METROPOLITAN COUNCIL

SOUTHWEST
Green Line LRT Extension

CIVIL CONSTRUCTION

VOLUME 11C
STATIONS

PLAN PACKAGE INDEX / DESCRIPTION	
CIVIL CONSTRUCTION	BID ALTERNATES
VOLUME 1 - EXISTING CONDITIONS & REMOVALS	VOLUME A - NOT USED
VOLUME 2A - CIVIL	VOLUME B - NOT USED
VOLUME 2B - CIVIL	VOLUME C - BID ALTERNATE 3 (LRCI 5) ▲
VOLUME 3A - TRACKWORK	VOLUME D - BID ALTERNATE 4 (LRCI 6) ▲
VOLUME 3B - TRACKWORK	VOLUME E - BID ALTERNATE 5 (LRCI 7) ▲
VOLUME 3C - TRACKWORK DETAILS	VOLUME F - BID ALTERNATE 6 (LRCI 8) ▲
VOLUME 4A - BRIDGES	VOLUME G - BID ALTERNATE 7 (LRCI 4) ▲
VOLUME 4B - BRIDGES	VOLUME H - BID ALTERNATE 8 (LRCI 10) ▲
VOLUME 4C - BRIDGES	VOLUME I - BID ALTERNATE 9 (LRCI 11) ▲
VOLUME 4D - BRIDGES	VOLUME J - BID ALTERNATE 10 (LRCI 12)
VOLUME 4E - BRIDGES	VOLUME K - BID ALTERNATE 11 (LRCI 13)
VOLUME 4F - BRIDGES	VOLUME L - BID ALTERNATE 12 (LRCI 14)
VOLUME 4G - BRIDGES	VOLUME M - BID ALTERNATE 13 (LRCI 26)
VOLUME 5 - TUNNELS	VOLUME N - BID ALTERNATE 14 (LRCI 27)
VOLUME 6 - RETAINING WALLS	VOLUME O - BID ALTERNATE 15 (LRCI 17)
VOLUME 7 - UTILITIES	VOLUME P - BID ALTERNATE 20 (LRCI 32)
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VOLUME 9 - URBAN DESIGN / LANDSCAPE	
VOLUME 10A - TRAFFIC	
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VOLUME 11A - STATIONS ▲	
VOLUME 11B - STATIONS	
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VOLUME 12 - SYSTEMS	

* TO BE SUBMITTED AT A LATER DATE
▲ SUBMITTED AT 75%, NOT INCLUDED IN 90%

THE PROPOSED SOUTHWEST LRT PROJECT IS NOT FINAL BUT IS STILL UNDER ENVIRONMENTAL REVIEW AND THE PROJECT IS SUBJECT TO CHANGE. THESE PLANS ARE NOT FINAL.

THE COUNCIL, THROUGH THE DEVELOPMENT OF THESE PLANS, DOES NOT INTEND THAT THEY WILL PREJUDICE OR COMPROMISE ANY STATE OR FEDERAL ENVIRONMENTAL REVIEW OR OTHER LEGAL REQUIREMENTS. THESE PLANS DO NOT LIMIT THE PROJECT DESIGN ALTERNATIVES OR MITIGATIVE MEASURES THAT THE COUNCIL MAY UNDERTAKE IF THE PROPOSED SWLRT PROJECT PROCEEDS TO CONSTRUCTION.

THE COUNCIL WILL NOT TAKE FINAL ACTION ON THIS MATTER UNLESS THE COUNCIL PROCEEDS WITH THE PROJECT AFTER THE FTA'S RECORD OF DECISION AND THE COUNCIL'S DETERMINATION OF ADEQUACY.

WARNING: THIS RECORD MAY CONTAIN SENSITIVE SECURITY INFORMATION THAT IS CONTROLLED UNDER 49 CFR PARTS 15 AND 1520. NO PART OF THIS RECORD MAY BE DISCLOSED TO PERSONS WITHOUT A "NEED TO KNOW", AS DEFINED IN 49 CFR PARTS 15 AND 1520, EXCEPT WITH THE WRITTEN PERMISSION OF THE ADMINISTRATOR OF THE TRANSPORTATION SECURITY ADMINISTRATION OR THE SECRETARY OF TRANSPORTATION. UNAUTHORIZED RELEASE MAY RESULT IN CIVIL PENALTY OR OTHER ACTION. FOR U.S. GOVERNMENT AGENCIES, PUBLIC DISCLOSURE IS GOVERNED BY 5 U.S.C. 552 AND 49 CFR PARTS 15 AND 1520.

90% SUBMISSION
DATE : 01/22/16

AECOM

CIVIL CONSTRUCTION

SHT #	SHEET NAME	SHEET DESCRIPTION	STATION	STATION	REV
		VOLUME 11C - STATIONS			
1	00-GEN-CVR-001	COVER SHEET			
2	00-GEN-IDX-001	VOLUME INDEX OF PLAN SHEETS SHEET 1			
3	00-GEN-IDX-002	VOLUME INDEX OF PLAN SHEETS SHEET 2			
4	00-GEN-IDX-003	VOLUME INDEX OF PLAN SHEETS SHEET 3			
5	W0-GEN-KEY-001	GENERAL KEY MAP SHEET 1			
6	E0-GEN-KEY-002	GENERAL KEY MAP SHEET 2			
7	00-GEN-NTS-001	GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS SHEET 1			
8	00-GEN-NTS-002	GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS SHEET 2			
9	E0-ARC-ABR-020	ARCHITECTURAL ABBREVIATIONS, SYMBOLS, AND DRAWING CODES			
10	E0-STR-GEN-001	STRUCTURAL GENERAL NOTES			
11	E0-PLM-GEN-001	PLUMBING SYMBOLS AND ABBREVIATIONS			
12	E0-PLM-SCH-001	PLUMBING SCHEDULES			
13	E0-MEC-GEN-001	MECHANICAL SYMBOLS AND ABBREVIATIONS			
14	E0-MEC-SCH-001	MECHANICAL SCHEDULES			
15	E0-MEC-SCH-003	MECHANICAL SCHEDULES FOR DRIVER AMENITIES			
16	E0-MEC-SCH-005	MECHANICAL CONTROL SEQUENCE			
		DOWNTOWN HOPKINS STATION			
17	E1-HOP-ARC-COD-010	CODE SUMMARY/ FINISH SCHEDULE			
18	E1-HOP-ARC-PLN-101	PLATFORM PLAN			
19	E1-HOP-ARC-PLN-110	WEST PARTIAL PLATFORM PLAN			
20	E1-HOP-ARC-PLN-111	MIDDLE PARTIAL PLATFORM PLAN			
21	E1-HOP-ARC-PLN-112	EAST PARTIAL PLATFORM PLAN			
22	E1-HOP-ARC-PLN-130	WEST PARTIAL PAVEMENT PLAN			
23	E1-HOP-ARC-PLN-131	MIDDLE PARTIAL PAVEMENT PLAN			
24	E1-HOP-ARC-PLN-132	EAST PARTIAL PAVEMENT PLAN			
25	E1-HOP-ARC-PLN-150	ROOF PLANS			
26	E1-HOP-ARC-RCP-180	REFLECTED CEILING PLANS			
27	E1-HOP-ARC-ELV-200	ELEVATIONS			
28	E1-HOP-ARC-ELV-210	WEST PARTIAL ELEVATIONS			
29	E1-HOP-ARC-ELV-211	MIDDLE PARTIAL ELEVATIONS			
30	E1-HOP-ARC-ELV-212	EAST PARTIAL ELEVATIONS			
31	E1-HOP-ARC-ELV-216	SIDE ELEVATIONS			
32	E1-HOP-ARC-SCT-300	TYPICAL PLATFORM SECTION			
33	E1-HOP-ARC-SCT-301	PLATFORM SECTION			
34	E1-HOP-ARC-SCT-302	PLATFORM SECTION			
35	E1-HOP-ARC-SGN-800	SIGNAGE PLANS AND ELEVATIONS			
36	E1-HOP-ARC-PLN-901	BIKE PARKING PLAN, ROOF PLAN			
37	E1-HOP-ARC-PLN-902	BIKE PARKING REFLECTED CEILING PLAN			
38	E1-HOP-ARC-ELV-903	BIKE PARKING ELEVATIONS			
39	E1-HOP-ARC-ELV-904	BIKE PARKING ELEVATIONS			
40	E1-HOP-ARC-SCT-905	BIKE PARKING SECTIONS			
41	E1-HOP-ARC-SCT-906	BIKE PARKING SECTIONS			
42	E1-HOP-STR-PLN-101	PLATFORM FOUNDATION PLAN			
43	E1-HOP-STR-SCH-102	STATION REFERENCE TABLE			
44	E1-HOP-STR-PLN-110	WEST PARTIAL FOUNDATION PLAN			
45	E1-HOP-STR-PLN-111	MIDDLE PARTIAL FOUNDATION PLAN			
46	E1-HOP-STR-PLN-112	EAST PARTIAL FOUNDATION PLAN			
47	E1-HOP-STR-PLN-140	INTERMEDIATE FRAMING PLAN			
48	E1-HOP-STR-PLN-150	LOWER ROOF FRAMING PLANS			
49	E1-HOP-STR-PLN-151	UPPER ROOF FRAMING PLANS			
50	E1-HOP-STR-ELV-201	ELEVATIONS – FRAMING			
51	E1-HOP-STR-ELV-210	WEST PARTIAL ELEVATIONS – FRAMING			
52	E1-HOP-STR-ELV-211	MIDDLE PARTIAL ELEVATIONS – FRAMING			
53	E1-HOP-STR-ELV-212	EAST PARTIAL ELEVATIONS – FRAMING			
54	E1-HOP-STR-SCT-300	TYPICAL PLATFORM SECTION			
55	E1-HOP-STR-SCT-301	TYPICAL PLATFORM SECTION			
56	E1-HOP-STR-SCT-302	TYPICAL PLATFORM SECTION			
57	E1-HOP-PLM-PLN-100	WEST AND MIDDLE PARTIAL UNDERFLOOR PLUMBING PLAN			
58	E1-HOP-PLM-PLN-101	EAST PARTIAL UNDERFLOOR PLUMBING PLAN			
59	E1-HOP-PLM-PLN-110	WEST AND MIDDLE PARTIAL PLUMBING PLAN			
60	E1-HOP-PLM-PLN-111	EAST PARTIAL PLUMBING PLAN AND RISER DIAGRAMS			
61	E1-HOP-PLM-PLN-120	ROOF PLUMBING PLAN			
62	E1-HOP-PLM-SCT-201	TYPICAL PLATFORM PLUMBING SECTION			
63	E1-HOP-PLM-PLN-250	DRIVER AMENITIES PLUMBING PLAN			
64	E1-HOP-MEC-PLN-250	DRIVER AMENITIES MECHANICAL PLAN			
65	E1-HOP-ELE-PLN-201	ELECTRICAL GROUNDING PLAN			
66	E1-HOP-ELE-ELV-202	ELECTRICAL GROUNDING ELEVATION			

CIVIL CONSTRUCTION

SHT #	SHEET NAME	SHEET DESCRIPTION	STATION	STATION	REV
67	E1-HOP-ELE-PLN-301	ELECTRICAL UNDERSLAB CONDUIT PLAN (1 OF 2)			
68	E1-HOP-ELE-PLN-302	ELECTRICAL UNDERSLAB CONDUIT PLAN (2 OF 2)			
69	E1-HOP-ELE-PLN-303	ELECTRICAL CANOPY PLAN			
70	E1-HOP-ELE-PLN-311	ELECTRICAL HEAT TRACE PLAN			
71	E1-HOP-ELE-ELV-321	ELECTRICAL HEAT TRACE ELEVATION			
72	E1-HOP-ELE-PLN-411	COMMUNICATIONS UNDERSLAB CONDUIT PLAN (1 OF 2)			
73	E1-HOP-ELE-PLN-412	COMMUNICATIONS UNDERSLAB CONDUIT PLAN (2 OF 2)			
74	E1-HOP-ELE-PLN-421	COMMUNICATIONS CANOPY PLAN			
75	E1-HOP-ELE-SCH-461	COMMUNICATIONS CONDUIT SCHEDULE (1 OF 2)			
76	E1-HOP-ELE-SCH-462	COMMUNICATIONS CONDUIT SCHEDULE (2 OF 2)			
77	E1-HOP-ELE-SCH-501	ELECTRICAL SCHEDULES			
78	E1-HOP-ELE-PLN-601	ELECTRICAL BUS OPERATOR RESTROOM FACILITY PLAN			
		BLAKE STATION			
79	E1-BLK-ARC-COD-010	CODE SUMMARY/ FINISH SCHEDULE			
80	E1-BLK-ARC-PLN-101	PLATFORM PLAN			
81	E1-BLK-ARC-PLN-110	WEST PARTIAL PLATFORM PLAN			
82	E1-BLK-ARC-PLN-111	MIDDLE PARTIAL PLATFORM PLAN			
83	E1-BLK-ARC-PLN-112	EAST PARTIAL PLATFORM PLAN			
84	E1-BLK-ARC-PLN-130	WEST PARTIAL PAVEMENT PLAN			
85	E1-BLK-ARC-PLN-131	MIDDLE PARTIAL PAVEMENT PLAN			
86	E1-BLK-ARC-PLN-132	EAST PARTIAL PAVEMENT PLAN			
87	E1-BLK-ARC-PLN-150	LOWER ROOF PLANS			
88	E1-BLK-ARC-PLN-151	UPPER ROOF PLANS			
89	E1-BLK-ARC-RCP-180	REFLECTED CEILING PLANS			
90	E1-BLK-ARC-RCP-181	REFLECTED CEILING PLANS			
91	E1-BLK-ARC-ELV-200	ELEVATIONS			
92	E1-BLK-ARC-ELV-210	WEST PARTIAL ELEVATIONS			
93	E1-BLK-ARC-ELV-211	MIDDLE PARTIAL ELEVATIONS			
94	E1-BLK-ARC-ELV-212	EAST PARTIAL ELEVATIONS			
95	E1-BLK-ARC-ELV-216	SIDE ELEVATIONS			
96	E1-BLK-ARC-SCT-300	TYPICAL PLATFORM SECTION			
97	E1-BLK-ARC-SCT-301	PLATFORM SECTION			
98	E1-BLK-ARC-SCT-302	PLATFORM SECTION			
99	E1-BLK-ARC-SGN-800	SIGNAGE PLANS AND ELEVATIONS			
100	E1-BLK-ARC-PLN-901	BUS OPERATOR RESTROOM FACILITY PLAN, ROOF PLAN, RCP			
101	E1-BLK-ARC-ELV-902	BUS OPERATOR RESTROOM FACILITY ELEVATIONS			
102	E1-BLK-ARC-SCT-903	BUS OPERATOR RESTROOM FACILITY SECTIONS			
103	E1-BLK-STR-PLN-101	PLATFORM FOUNDATION PLAN			
104	E1-BLK-STR-SCH-102	STATION REFERENCE TABLE			
105	E1-BLK-STR-PLN-110	WEST PARTIAL FOUNDATION PLAN			
106	E1-BLK-STR-PLN-111	MIDDLE PARTIAL FOUNDATION PLAN			
107	E1-BLK-STR-PLN-112	EAST PARTIAL FOUNDATION PLAN			
108	E1-BLK-STR-PLN-140	INTERMEDIATE FRAMING PLAN			
109	E1-BLK-STR-PLN-150	LOWER ROOF FRAMING PLANS			
110	E1-BLK-STR-PLN-151	UPPER ROOF FRAMING PLANS			
111	E1-BLK-STR-ELV-201	ELEVATIONS – FRAMING			
112	E1-BLK-STR-ELV-210	WEST PARTIAL ELEVATIONS – FRAMING			
113	E1-BLK-STR-ELV-211	MIDDLE PARTIAL ELEVATIONS – FRAMING			
114	E1-BLK-STR-ELV-212	EAST PARTIAL ELEVATIONS – FRAMING			
115	E1-BLK-STR-SCT-300	TYPICAL PLATFORM SECTION			
116	E1-BLK-STR-SCT-301	TYPICAL PLATFORM SECTION			
117	E1-BLK-STR-SCT-302	TYPICAL PLATFORM SECTION			
118	E1-BLK-PLM-PLN-100	WEST AND MIDDLE PARTIAL UNDERFLOOR PLUMBING PLAN			
119	E1-BLK-PLM-PLN-101	EAST PARTIAL UNDERFLOOR PLUMBING PLAN			
120	E1-BLK-PLM-PLN-110	WEST AND MIDDLE PARTIAL PLUMBING PLAN			
121	E1-BLK-PLM-PLN-111	EAST PARTIAL PLUMBING PLAN AND RISER DIAGRAMS			
122	E1-BLK-PLM-PLN-120	LOWER ROOF PLUMBING PLAN			
123	E1-BLK-PLM-SCT-201	TYPICAL PLATFORM PLUMBING SECTION			
124	E1-BLK-PLM-PLN-250	DRIVER AMENITIES PLUMBING PLAN			
125	E1-BLK-MEC-PLN-250	DRIVER AMENITIES MECHANICAL PLAN			
126	E1-BLK-ELE-PLN-201	ELECTRICAL GROUNDING PLAN			
127	E1-BLK-ELE-ELV-202	ELECTRICAL GROUNDING ELEVATION			
128	E1-BLK-ELE-PLN-301	ELECTRICAL UNDERSLAB CONDUIT PLAN (1 OF 2)			
129	E1-BLK-ELE-PLN-302	ELECTRICAL UNDERSLAB CONDUIT PLAN (2 OF 2)			
130	E1-BLK-ELE-PLN-303	ELECTRICAL CANOPY PLAN - TRACK 1 SIDE			
131	E1-BLK-ELE-PLN-304	ELECTRICAL CANOPY PLAN - TRACK 2 SIDE			
132	E2-BLK-ELE-PLN-311	ELECTRICAL HEAT TRACE PLAN			
133	E2-BLK-ELE-PLN-312	ELECTRICAL HEAT TRACE PLAN			

CIVIL CONSTRUCTION

SHT #	SHEET NAME	SHEET DESCRIPTION	STATION	STATION	REV
134	E2-BLK-ELE-ELV-321	ELECTRICAL HEAT TRACE ELEVATION			
135	E1-BLK-ELE-PLN-411	COMMUNICATIONS UNDERSLAB CONDUIT PLAN (1 OF 2)			
136	E1-BLK-ELE-PLN-412	COMMUNICATIONS UNDERSLAB CONDUIT PLAN (2 OF 2)			
137	E1-BLK-ELE-PLN-421	COMMUNICATIONS CANOPY PLAN - TRACK 1 SIDE			
138	E1-BLK-ELE-PLN-422	COMMUNICATIONS CANOPY PLAN - TRACK 2 SIDE			
139	E1-BLK-ELE-SCH-461	COMMUNICATIONS CONDUIT SCHEDULE (1 OF 2)			
140	E1-BLK-ELE-SCH-462	COMMUNICATIONS CONDUIT SCHEDULE (2 OF 2)			
141	E1-BLK-ELE-SCH-501	ELECTRICAL SCHEDULES			
142	E1-BLK-ELE-PLN-601	ELECTRICAL BUS OPERATOR RESTROOM FACILITY PLAN			
		LOUISIANA STATION			
143	E2-LOU-ARC-COD-010	CODE SUMMARY/ FINISH SCHEDULE			
144	E2-LOU-ARC-PLN-101	PLATFORM PLAN			
145	E2-LOU-ARC-PLN-110	WEST PARTIAL PLATFORM PLAN			
146	E2-LOU-ARC-PLN-111	MIDDLE PARTIAL PLATFORM PLAN			
147	E2-LOU-ARC-PLN-112	EAST PARTIAL PLATFORM PLAN			
148	E2-LOU-ARC-PLN-130	WEST PARTIAL PAVEMENT PLAN			
149	E2-LOU-ARC-PLN-131	MIDDLE PARTIAL PAVEMENT PLAN			
150	E2-LOU-ARC-PLN-132	EAST PARTIAL PAVEMENT PLAN			
151	E2-LOU-ARC-PLN-150	LOWER ROOF PLANS			
152	E2-LOU-ARC-PLN-151	UPPER ROOF PLANS			
153	E2-LOU-ARC-RCP-180	REFLECTED CEILING PLANS			
154	E2-LOU-ARC-RCP-181	REFLECTED CEILING PLANS			
155	E2-LOU-ARC-ELV-200	ELEVATIONS			
156	E2-LOU-ARC-ELV-210	WEST PARTIAL ELEVATIONS			
157	E2-LOU-ARC-ELV-211	MIDDLE PARTIAL ELEVATIONS			
158	E2-LOU-ARC-ELV-212	EAST PARTIAL ELEVATIONS			
159	E2-LOU-ARC-ELV-216	SIDE ELEVATIONS			
160	E2-LOU-ARC-SCT-300	TYPICAL PLATFORM SECTION			
161	E2-LOU-ARC-SCT-301	PLATFORM SECTION			
162	E2-LOU-ARC-SCT-302	PLATFORM SECTION			
163	E2-LOU-ARC-SGN-800	SIGNAGE PLANS AND ELEVATIONS			
164	E2-LOU-STR-PLN-101	PLATFORM FOUNDATION PLAN			
165	E2-LOU-STR-SCH-102	STATION REFERENCE TABLE			
166	E2-LOU-STR-PLN-110	WEST PARTIAL FOUNDATION PLAN			
167	E2-LOU-STR-PLN-111	MIDDLE PARTIAL FOUNDATION PLAN			
168	E2-LOU-STR-PLN-112	EAST PARTIAL FOUNDATION PLAN			
169	E2-LOU-STR-PLN-140	INTERMEDIATE FRAMING PLAN			
170	E2-LOU-STR-PLN-150	LOWER ROOF FRAMING PLANS			
171	E2-LOU-STR-PLN-151	UPPER ROOF FRAMING PLANS			
172	E2-LOU-STR-ELV-201	ELEVATIONS – FRAMING			
173	E2-LOU-STR-ELV-210	WEST PARTIAL ELEVATIONS -- FRAMING			
174	E2-LOU-STR-ELV-211	MIDDLE PARTIAL ELEVATIONS – FRAMING			
175	E2-LOU-STR-ELV-212	EAST PARTIAL ELEVATIONS – FRAMING			
176	E2-LOU-STR-SCT-300	TYPICAL PLATFORM SECTION			
177	E2-LOU-STR-SCT-301	TYPICAL PLATFORM SECTION			
178	E2-LOU-STR-SCT-302	TYPICAL PLATFORM SECTION			
179	E2-LOU-STR-SCT-303	TYPICAL PLATFORM SECTION			
180	E2-LOU-PLM-PLN-100	WEST AND MIDDLE PARTIAL UNDERFLOOR PLUMBING PLAN			
181	E2-LOU-PLM-PLN-101	EAST PARTIAL UNDERFLOOR PLUMBING PLAN			
182	E2-LOU-PLM-PLN-110	WEST AND MIDDLE PARTIAL PLUMBING PLAN			
183	E2-LOU-PLM-PLN-111	EAST PARTIAL PLUMBING PLAN AND RISER DIAGRAM			
184	E2-LOU-PLM-PLN-120	LOWER ROOF PLUMBING PLAN			
185	E2-LOU-PLM-SCT-201	TYPICAL PLATFORM PLUMBING SECTION			
186	E2-LOU-ELE-PLN-201	ELECTRICAL GROUNDING PLAN			
187	E2-LOU-ELE-ELV-202	ELECTRICAL GROUNDING ELEVATION			
188	E2-LOU-ELE-PLN-301	ELECTRICAL UNDERSLAB CONDUIT PLAN (1 OF 2)			
189	E2-LOU-ELE-PLN-302	ELECTRICAL UNDERSLAB CONDUIT PLAN (2 OF 2)			
190	E2-LOU-ELE-PLN-303	ELECTRICAL CANOPY PLAN - TRACK 1 SIDE			
191	E2-LOU-ELE-PLN-304	ELECTRICAL CANOPY PLAN - TRACK 2 SIDE			
192	E2-LOU-ELE-PLN-311	ELECTRICAL HEAT TRACE PLAN			
193	E2-LOU-ELE-PLN-312	ELECTRICAL HEAT TRACE PLAN			
194	E2-LOU-ELE-ELV-321	ELECTRICAL HEAT TRACE ELEVATION			
195	E2-LOU-ELE-PLN-411	COMMUNICATIONS UNDERSLAB CONDUIT PLAN (1 OF 2)			
196	E2-LOU-ELE-PLN-412	COMMUNICATIONS UNDERSLAB CONDUIT PLAN (2 OF 2)			
197	E2-LOU-ELE-PLN-421	COMMUNICATIONS CANOPY PLAN - TRACK 1 SIDE			
198	E2-LOU-ELE-PLN-422	COMMUNICATIONS CANOPY PLAN - TRACK 2 SIDE			
199	E2-LOU-ELE-SCH-461	COMMUNICATIONS CONDUIT SCHEDULE (1 OF 2)			

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C GENERAL VOLUME INDEX OF PLAN SHEETS SHEET 1

DISCIPLINE: GENERAL

SHEET NAME: 00-GEN-IDX-001

SHEET 2 OF 510

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CIVIL CONSTRUCTION						CIVIL CONSTRUCTION						CIVIL CONSTRUCTION					
SHT #	SHEET NAME	SHEET DESCRIPTION	STATION	STATION	REV	SHT #	SHEET NAME	SHEET DESCRIPTION	STATION	STATION	REV	SHT #	SHEET NAME	SHEET DESCRIPTION	STATION	STATION	REV
VOLUME 11C - STATIONS (cont'd)						265	E2-BLT-ARC-PLN-130	WEST PARTIAL PAVEMENT PLAN				331	E3-WST-ARC-PLN-128	VC TUNNEL EGRESS PLAN (EAST)			
200	E2-LOU-ELE-SCH-462	COMMUNICATIONS CONDUIT SCHEDULE (2 OF 2)				266	E2-BLT-ARC-PLN-131	MIDDLE PARTIAL PAVEMENT PLAN				332	E3-WST-ARC-PLN-130	WEST PARTIAL PAVEMENT PLAN			
201	E1-LOU-ELE-SCH-501	ELECTRICAL SCHEDULES				267	E2-BLT-ARC-PLN-132	EAST PARTIAL PAVEMENT PLAN				333	E3-WST-ARC-PLN-131	MIDDLE PARTIAL PAVEMENT PLAN			
WOODDALE STATION						268	E2-BLT-ARC-PLN-150	ROOF PLANS				334	E3-WST-ARC-PLN-132	EAST PARTIAL PAVEMENT PLAN			
						269	E2-BLT-ARC-RCP-180	REFLECTED CEILING PLANS				335	E3-WST-ARC-PLN-135	VC PAVEMENT PLANS (WEST)			
202	E2-WDL-ARC-COD-010	CODE SUMMARY/ FINISH SCHEDULE				270	E2-BLT-ARC-ELV-200	ELEVATIONS				336	E3-WST-ARC-PLN-136	VC PAVEMENT PLANS (WEST)			
203	E2-WDL-ARC-PLN-101	PLATFORM PLAN				271	E2-BLT-ARC-ELV-210	WEST PARTIAL ELEVATIONS				337	E3-WST-ARC-PLN-137	VC PAVEMENT PLANS (WEST)			
204	E2-WDL-ARC-PLN-110	WEST PARTIAL PLATFORM PLAN				272	E2-BLT-ARC-ELV-211	MIDDLE PARTIAL ELEVATIONS				338	E3-WST-ARC-PLN-138	VC PAVEMENT PLANS (EAST)			
205	E2-WDL-ARC-PLN-111	MIDDLE PARTIAL PLATFORM PLAN				273	E2-BLT-ARC-ELV-212	EAST PARTIAL ELEVATIONS				339	E3-WST-ARC-PLN-139	VC PAVEMENT PLANS (EAST)			
206	E2-WDL-ARC-PLN-112	EAST PARTIAL PLATFORM PLAN				274	E2-BLT-ARC-ELV-216	SIDE ELEVATIONS				340	E3-WST-ARC-PLN-140	VC ENLARGED PLANS			
207	E2-WDL-ARC-PLN-130	WEST PARTIAL PAVEMENT PLAN				275	E2-BLT-ARC-SCT-300	TYPICAL PLATFORM SECTION				341	E3-WST-ARC-PLN-141	VC ENLARGED PLANS			
208	E2-WDL-ARC-PLN-131	MIDDLE PARTIAL PAVEMENT PLAN				276	E2-BLT-ARC-SCT-301	PLATFORM SECTION				342	E3-WST-ARC-PLN-142	VC ENLARGED PLANS			
209	E2-WDL-ARC-PLN-132	EAST PARTIAL PAVEMENT PLAN				277	E2-BLT-ARC-SCT-302	PLATFORM SECTION				343	E3-WST-ARC-PLN-143	VC ENLARGED PLANS			
210	E2-WDL-ARC-PLN-150	LOWER ROOF PLANS				278	E2-BLT-ARC-SGN-800	SIGNAGE PLANS AND ELEVATIONS				344	E3-WST-ARC-PLN-150	ROOF PLANS			
211	E2-WDL-ARC-PLN-151	UPPER ROOF PLANS				279	E2-BLT-ARC-PLN-901	BUS OPERATOR RESTROOM FACILITY PLAN, ROOF PLAN, RCP				345	E3-WST-ARC-PLN-160	VC ROOF PLAN (WEST)			
212	E2-WDL-ARC-RCP-180	REFLECTED CEILING PLANS										346	E3-WST-ARC-PLN-161	VC ROOF PLAN (WEST)			
213	E2-WDL-ARC-RCP-181	REFLECTED CEILING PLANS				280	E2-BLT-ARC-ELV-902	BUS OPERATOR RESTROOM FACILITY ELEVATIONS				347	E3-WST-ARC-PLN-162	VC ROOF PLAN (EAST)			
214	E2-WDL-ARC-ELV-200	ELEVATIONS				281	E2-BLT-ARC-SCT-903	BUS OPERATOR RESTROOM FACILITY SECTIONS				348	E3-WST-ARC-RCP-180	REFLECTED CEILING PLANS			
215	E2-WDL-ARC-ELV-210	WEST PARTIAL ELEVATIONS				282	E2-BLT-STR-PLN-101	PLATFORM FOUNDATION PLAN				349	E3-WST-ARC-RCP-190	VC RCP PLATFORM LEVEL (WEST)			
216	E2-WDL-ARC-ELV-211	MIDDLE PARTIAL ELEVATIONS				283	E2-BLT-STR-SCH-102	STATION REFERENCE TABLE				350	E3-WST-ARC-RCP-191	VC RCP INTERMEDIATE LEVEL 015 (WEST)			
217	E2-WDL-ARC-ELV-212	EAST PARTIAL ELEVATIONS				284	E2-BLT-STR-PLN-110	WEST PARTIAL FOUNDATION PLAN				351	E3-WST-ARC-RCP-192	VC RCP INTERMEDIATE LEVEL 017 (WEST)			
218	E2-WDL-ARC-ELV-216	SIDE ELEVATIONS				285	E2-BLT-STR-PLN-111	MIDDLE PARTIAL FOUNDATION PLAN				352	E3-WST-ARC-RCP-193	VC RCP BRIDGE LEVEL (WEST)			
219	E2-WDL-ARC-SCT-300	TYPICAL PLATFORM SECTION				286	E2-BLT-STR-PLN-112	EAST PARTIAL FOUNDATION PLAN				353	E3-WST-ARC-RCP-194	VC RCP PLATFORM \ INTERMEDIATE LEVEL 017 (EAST)			
220	E2-WDL-ARC-SCT-301	PLATFORM SECTION				287	E2-BLT-STR-PLN-140	INTERMEDIATE FRAMING PLAN				354	E3-WST-ARC-RCP-195	VC RCP BRIDGE LEVEL (EAST)			
221	E2-WDL-ARC-SCT-302	PLATFORM SECTION				288	E2-BLT-STR-PLN-150	LOWER ROOF FRAMING PLANS				355	E3-WST-ARC-ELV-200	ELEVATIONS			
222	E2-WDL-ARC-SGN-800	SIGNAGE PLANS AND ELEVATIONS				289	E2-BLT-STR-PLN-151	UPPER ROOF FRAMING PLANS				356	E3-WST-ARC-ELV-201	VC ELEVATIONS			
223	E2-WDL-STR-PLN-101	PLATFORM FOUNDATION PLAN				290	E2-BLT-STR-ELV-201	ELEVATIONS – FRAMING				357	E3-WST-ARC-ELV-210	WEST PARTIAL ELEVATIONS			
224	E2-WDL-STR-SCH-102	STATION REFERENCE TABLE				291	E2-BLT-STR-ELV-210	WEST PARTIAL ELEVATIONS – FRAMING				358	E3-WST-ARC-ELV-211	MIDDLE PARTIAL ELEVATIONS			
225	E2-WDL-STR-PLN-110	WEST PARTIAL FOUNDATION PLAN				292	E2-BLT-STR-ELV-211	MIDDLE PARTIAL ELEVATIONS – FRAMING				359	E3-WST-ARC-ELV-212	EAST PARTIAL ELEVATIONS			
226	E2-WDL-STR-PLN-111	MIDDLE PARTIAL FOUNDATION PLAN				293	E2-BLT-STR-ELV-212	EAST PARTIAL ELEVATIONS – FRAMING				360	E3-WST-ARC-ELV-216	SIDE ELEVATIONS			
227	E2-WDL-STR-PLN-112	EAST PARTIAL FOUNDATION PLAN				294	E2-BLT-STR-SCT-300	TYPICAL PLATFORM SECTION				361	E3-WST-ARC-ELV-220	VC TRACK 1 - PARTIAL ELEVATION (WEST)			
228	E2-WDL-STR-PLN-140	INTERMEDIATE FRAMING PLAN				295	E2-BLT-STR-SCT-301	TYPICAL PLATFORM SECTION				362	E3-WST-ARC-ELV-221	VC TRACK 1 - PARTIAL ELEVATION (WEST)			
229	E2-WDL-STR-PLN-150	LOWER ROOF FRAMING PLANS				296	E2-BLT-STR-SCT-302	TYPICAL PLATFORM SECTION				363	E3-WST-ARC-ELV-222	VC TRACK 2 - PARTIAL ELEVATION (WEST)			
230	E2-WDL-STR-PLN-151	UPPER ROOF FRAMING PLANS				297	E2-BLT-PLM-PLN-100	WEST AND MIDDLE PARTIAL UNDERFLOOR PLUMBING PLAN				364	E3-WST-ARC-ELV-223	VC TRACK 2 - PARTIAL ELEVATION (WEST)			
231	E2-WDL-STR-ELV-201	ELEVATIONS – FRAMING										365	E3-WST-ARC-ELV-224	VC SIDE ELEVATIONS (WEST)			
232	E2-WDL-STR-ELV-210	WEST PARTIAL ELEVATIONS – FRAMING				298	E2-BLT-PLM-PLN-101	EAST PARTIAL UNDERFLOOR PLUMBING PLAN				366	E3-WST-ARC-ELV-225	VC TRACK 2 - PARTIAL ELEVATION (EAST)			
233	E2-WDL-STR-ELV-211	MIDDLE PARTIAL ELEVATIONS – FRAMING				299	E2-BLT-PLM-PLN-110	WEST AND MIDDLE PARTIAL PLUMBING PLAN				367	E3-WST-ARC-ELV-226	VC TRACK 1 - PARTIAL ELEVATION (EAST)			
234	E2-WDL-STR-ELV-212	EAST PARTIAL ELEVATIONS – FRAMING				300	E2-BLT-PLM-PLN-111	EAST PARTIAL PLUMBING PLAN AND RISER DIAGRAMS				368	E3-WST-ARC-ELV-227	VC TRACK 2 - PARTIAL ELEVATION (EAST)			
235	E2-WDL-STR-SCT-300	TYPICAL PLATFORM SECTION				301	E2-BLT-PLM-PLN-120	ROOF PLUMBING PLAN				369	E3-WST-ARC-ELV-228	VC SIDE ELEVATIONS (EAST)			
236	E2-WDL-STR-SCT-301	TYPICAL PLATFORM SECTION				302	E2-BLT-PLM-SCT-201	TYPICAL PLATFORM PLUMBING SECTION				370	E3-WST-ARC-ELV-229	VC TRACK 2 - PARTIAL ELEVATION (EAST)			
237	E2-WDL-STR-SCT-302	TYPICAL PLATFORM SECTION				303	E2-BLT-PLM-PLN-250	DRIVER AMENITIES PLUMBING PLAN				371	E3-WST-ARC-SCT-300	TYPICAL PLATFORM SECTION			
238	E2-WDL-PLM-PLN-100	WEST AND MIDDLE PARTIAL UNDERFLOOR PLUMBING PLAN				304	E2-BLT-MEC-PLN-250	DRIVER AMENITIES MECHANICAL PLAN				372	E3-WST-ARC-SCT-301	PLATFORM SECTION			
239	E2-WDL-PLM-PLN-101	EAST PARTIAL UNDERFLOOR PLUMBING PLAN				305	E2-BLT-ELE-PLN-201	ELECTRICAL GROUNDING PLAN				373	E3-WST-ARC-SCT-302	PLATFORM SECTION			
240	E2-WDL-PLM-PLN-110	WEST AND MIDDLE PARTIAL PLUMBING PLAN				306	E2-BLT-ELE-ELV-202	ELECTRICAL GROUNDING ELEVATION				374	E3-WST-ARC-SCT-310	VC LONGITUDINAL SECTION (WEST)			
241	E2-WDL-PLM-PLN-111	EAST PARTIAL PLUMBING PLAN AND RISER DIAGRAMS				307	E2-BLT-ELE-PLN-301	ELECTRICAL UNDERSLAB CONDUIT PLAN (1 OF 2)				375	E3-WST-ARC-SCT-311	VC LONGITUDINAL SECTION (WEST)			
242	E2-WDL-PLM-PLN-120	LOWER ROOF PLUMBING PLAN				308	E2-BLT-ELE-PLN-302	ELECTRICAL UNDERSLAB CONDUIT PLAN (2 OF 2)				376	E3-WST-ARC-SCT-312	VC SECTIONS (WEST)			
243	E2-WDL-PLM-SCT-201	TYPICAL PLATFORM PLUMBING SECTION				309	E2-BLT-ELE-PLN-303	ELECTRICAL CANOPY PLAN				377	E3-WST-ARC-SCT-313	VC SECTIONS (WEST)			
244	E2-WDL-ELE-PLN-201	ELECTRICAL GROUNDING PLAN				310	E2-BLT-ELE-PLN-311	ELECTRICAL HEAT TRACE PLAN				378	E3-WST-ARC-SCT-314	VC SECTIONS (WEST)			
245	E2-WDL-ELE-ELV-202	ELECTRICAL GROUNDING ELEVATION				311	E2-BLT-ELE-ELV-321	ELECTRICAL HEAT TRACE ELEVATION				379	E3-WST-ARC-SCT-316	VC LONGITUDINAL SECTION (EAST)			
246	E2-WDL-ELE-PLN-301	ELECTRICAL UNDERSLAB CONDUIT PLAN (1 OF 2)				312	E2-BLT-ELE-PLN-411	COMMUNICATIONS UNDERSLAB CONDUIT PLAN (1 OF 2)				380	E3-WST-ARC-SCT-317	VC LONGITUDINAL SECTION (EAST)			
247	E2-WDL-ELE-PLN-302	ELECTRICAL UNDERSLAB CONDUIT PLAN (2 OF 2)										381	E3-WST-ARC-SCT-318	VC SECTION (EAST)			
248	E2-WDL-ELE-PLN-303	ELECTRICAL CANOPY PLAN - TRACK 1 SIDE				313	E2-BLT-ELE-PLN-412	COMMUNICATIONS UNDERSLAB CONDUIT PLAN (2 OF 2)				382	E3-WST-ARC-SCT-319	VC SECTIONS			
249	E2-WDL-ELE-PLN-304	ELECTRICAL CANOPY PLAN - TRACK 2 SIDE				314	E2-BLT-ELE-PLN-421	COMMUNICATIONS CANOPY PLAN				383	E3-WST-ARC-SCT-320	VC SECTIONS			
250	E2-WDL-ELE-PLN-311	ELECTRICAL HEAT TRACE PLAN				315	E2-BLT-ELE-SCH-461	COMMUNICATIONS CONDUIT SCHEDULE (1 OF 2)				384	E3-WST-ARC-SCT-321	VC SECTIONS			
251	E2-WDL-ELE-PLN-312	ELECTRICAL HEAT TRACE PLAN				316	E2-BLT-ELE-SCH-462	COMMUNICATIONS CONDUIT SCHEDULE (2 OF 2)				385	E3-WST-ARC-DTL-570	ROOF DETAILS- BUS OPERATOR RESTROOM AND CANOPY			
252	E2-WDL-ELE-ELV-321	ELECTRICAL HEAT TRACE ELEVATION				317	E2-BLT-ELE-SCH-501	ELECTRICAL SCHEDULES				386	E3-WST-ARC-SCH-590	DOOR AND FRAME SCHEDULE			
253	E2-WDL-ELE-PLN-411	COMMUNICATIONS UNDERSLAB CONDUIT PLAN (1 OF 2)				318	E2-BLT-ELE-PLN-601	ELECTRICAL BUS OPERATOR RESTROOM FACILITY PLAN				387	E3-WST-ARC-DTL-592	VC WINDOW TYPES			
254	E2-WDL-ELE-PLN-412	COMMUNICATIONS UNDERSLAB CONDUIT PLAN (2 OF 2)				**WEST LAKE STATION**						388	E3-WST-ARC-DTL-593	VC WINDOW TYPES			
												389	E3-WST-ARC-DTL-594	VC WINDOW TYPES			
255	E2-WDL-ELE-PLN-421	COMMUNICATIONS CANOPY PLAN - TRACK 1 SIDE				319	E3-WST-ARC-COD-010	CODE SUMMARY/ FINISH SCHEDULE				390	E3-WST-ARC-DTL-595	VC WINDOW TYPES			
256	E2-WDL-ELE-PLN-422	COMMUNICATIONS CANOPY PLAN - TRACK 2 SIDE				320	E3-WST-ARC-PLN-101	PLATFORM PLAN				391	E3-WST-ARC-SCH-650	VC ARCHITECTURAL WOVEN METAL MESH SCHEDULES - 1			
257	E2-WDL-ELE-SCH-461	COMMUNICATIONS CONDUIT SCHEDULE (1 OF 2)				321	E3-WST-ARC-PLN-102	VERTICAL CIRCULATION PLAN				392	E3-WST-ARC-DTL-651	VC ARCHITECTURAL WOVEN METAL MESH TYPES			
258	E2-WDL-ELE-SCH-462	COMMUNICATIONS CONDUIT SCHEDULE (2 OF 2)				322	E3-WST-ARC-PLN-110	WEST PARTIAL PLATFORM PLAN				393	E3-WST-ARC-DTL-652	VC ARCHITECTURAL WOVEN METAL MESH TYPES			
259	E2-WDL-ELE-SCH-501	ELECTRICAL SCHEDULES				323	E3-WST-ARC-PLN-111	MIDDLE PARTIAL PLATFORM PLAN				394	E3-WST-ARC-DTL-653	VC ARCHITECTURAL WOVEN METAL MESH TYPES			
BELTLINE STATION						324	E3-WST-ARC-PLN-112	EAST PARTIAL PLATFORM PLAN				395	E3-WST-ARC-DTL-654	VC ARCHITECTURAL WOVEN METAL MESH TYPES			
						325	E3-WST-ARC-PLN-120	VC PLATFORM LEVEL PLAN (WEST)				396	E3-WST-ARC-ELV-700	INTERIOR ELEVATIONS			
260	E2-BLT-ARC-COD-010	CODE SUMMARY/ FINISH SCHEDULE				326	E3-WST-ARC-PLN-121	VC INTERMEDIATE LEVEL PLAN (WEST)				397	E3-WST-ARC-ELV-701	INTERIOR ELEVATIONS			
261	E2-BLT-ARC-PLN-101	PLATFORM PLAN				327	E3-WST-ARC-PLN-122	VC BRIDGE LEVEL PLAN (WEST)				398	E3-WST-ARC-ELV-702	ELEVATOR LOBBY ENLARGED ELEVATIONS			
262	E2-BLT-ARC-PLN-110	WEST PARTIAL PLATFORM PLAN				328	E3-WST-ARC-PLN-125	VC PLATFORM LEVEL PLAN (EAST)				399	E3-WST-ARC-DTL-710	STAIR DETAILS			
263	E2-BLT-ARC-PLN-111	MIDDLE PARTIAL PLATFORM PLAN				329	E3-WST-ARC-PLN-126	VC INTERMEDIATE LEVEL PLAN (EAST)				400	E3-WST-ARC-SGN-800	SIGNAGE PLANS AND ELEVATIONS			
264	E2-BLT-ARC-PLN-112	EAST PARTIAL PLATFORM PLAN				330	E3-WST-ARC-PLN-127	VC BRIDGE LEVEL PLAN (EAST)				401	E3-WST-STR-PLN-101	PLATFORM FOUNDATION PLAN			

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C GENERAL VOLUME INDEX OF PLAN SHEETS SHEET 2

DISCIPLINE: GENERAL

SHEET NAME: 00-GEN-IDX-002

SHEET 3 OF 510

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CIVIL CONSTRUCTION

SHT #	SHEET NAME	SHEET DESCRIPTION	STATION	STATION	REV
		VOLUME 11C - STATIONS (cont'd)			
402	E3-WST-STR-SCH-102	STATION REFERENCE TABLE			
403	E3-WST-STR-PLN-110	WEST PARTIAL FOUNDATION PLAN			
404	E3-WST-STR-PLN-111	MIDDLE PARTIAL FOUNDATION PLAN			
405	E3-WST-STR-PLN-112	EAST PARTIAL FOUNDATION PLAN			
406	E3-WST-STR-PLN-140	INTERMEDIATE FRAMING PLAN			
407	E3-WST-STR-PLN-150	LOWER ROOF FRAMING PLANS			
408	E3-WST-STR-PLN-151	UPPER ROOF FRAMING PLANS			
409	E3-WST-STR-ELV-201	ELEVATIONS – FRAMING			
410	E3-WST-STR-ELV-210	WEST PARTIAL ELEVATIONS – FRAMING			
411	E3-WST-STR-ELV-211	MIDDLE PARTIAL ELEVATIONS – FRAMING			
412	E3-WST-STR-ELV-212	EAST PARTIAL ELEVATIONS – FRAMING			
413	E3-WST-STR-SCT-300	TYPICAL PLATFORM SECTION			
414	E3-WST-STR-SCT-301	TYPICAL PLATFORM SECTION			
415	E3-WST-STR-SCT-302	TYPICAL PLATFORM SECTION			
416	E3-WST-STR-PLN-401	VC WEST FOUNDATION PLAN			
417	E3-WST-STR-PLN-402	VC EAST FOUNDATION PLAN			
418	E3-WST-STR-PLN-403	VC WEST PLATFORM PLAN			
419	E3-WST-STR-PLN-404	VC EAST PLATFORM PLAN			
420	E3-WST-STR-PLN-410	VC WEST INTERMEDIATE LEVEL FRAMING PLAN			
421	E3-WST-STR-PLN-411	VC EAST INTERMEDIATE LEVEL FRAMING PLAN			
422	E3-WST-STR-PLN-412	VC WEST BRIDGE LEVEL FRAMING PLAN			
423	E3-WST-STR-PLN-413	VC EAST BRIDGE LEVEL FRAMING PLAN			
424	E3-WST-STR-PLN-414	VC WEST PARTIAL ROOF FRAMING PLAN			
425	E3-WST-STR-PLN-415	VC WEST PARTIAL ROOF FRAMING PLAN			
426	E3-WST-STR-PLN-416	VC EAST PARTIAL ROOF FRAMING PLAN			
427	E3-WST-STR-PLN-417	VC WEST MAIN ROOF FRAMING PLAN			
428	E3-WST-STR-PLN-418	VC EAST MAIN ROOF FRAMING PLAN			
429	E3-WST-STR-PLN-419	VC EAST TUNNEL EGRESS PLAN			
430	E3-WST-STR-SCT-501	VC WEST TRACK 1 SECTION VIEW			
431	E3-WST-STR-SCT-502	VC WEST TRACK 1 SECTION VIEW			
432	E3-WST-STR-SCT-503	VC WEST SECTION VIEWS			
433	E3-WST-STR-SCT-504	VC EAST TRACK 1 SECTION VIEW			
434	E3-WST-STR-SCT-505	VC EAST SECTION VIEWS			
435	E3-WST-STR-SCT-506	VC EAST SECTION VIEWS			
436	E3-WST-STR-SCT-601	VC EAST TUNNEL EGRESS SECTION VIEW			
437	E3-WST-STR-SCT-602	VC EAST TUNNEL EGRESS DETAILS			
438	E3-WST-PLM-PLN-100	WEST AND MIDDLE PARTIAL UNDERFLOOR PLUMBING PLAN			
439	E3-WST-PLM-PLN-101	EAST PARTIAL UNDERFLOOR PLUMBING PLAN			
440	E3-WST-PLM-PLN-110	WEST AND MIDDLE PARTIAL PLUMBING PLAN			
441	E3-WST-PLM-PLN-111	EAST PARTIAL PLUMBING PLAN & RISER DIAGRAMS			
442	E2-WST-PLM-PLN-120	ROOF PLUMBING PLAN			
443	E3-WST-PLM-PLN-130	VC UNDERFLOOR WEST PLATFORM LEVEL PLUMBING PLAN			
444	E3-WST-PLM-PLN-131	VC WEST PLATFORM LEVEL PLUMBING PLAN			
445	E3-WST-PLM-PLN-132	VC WEST INTERMEDIATE LEVEL PLUMBING PLAN			
446	E3-WST-PLM-PLN-133	VC EAST ROOF PLUMBING PLAN			
447	E3-WST-PLM-PLN-134	VC UNDERFLOOR EAST PLATFORM LEVEL PLUMBING PLAN			
448	E3-WST-PLM-PLN-135	VC EAST PLATFORM LEVEL PLUMBING PLAN			
449	E3-WST-PLM-PLN-136	VC WEST BRIDGE LEVEL PLUMBING PLAN			
450	E3-WST-PLM-PLN-137	VC EAST BRIDGE LEVEL PLUMBING PLAN			
451	E3-WST-PLM-PLN-138	VC WEST ROOF PLUMBING PLAN			
452	E3-WST-PLM-PLN-139	VC EAST ROOF PLUMBING PLAN			
453	E2-WST-PLM-SCT-201	TYPICAL PLATFORM PLUMBING SECTION			
454	E2-WST-PLM-DTL-300	VC WEST STORM DRAINAGE RISER			
455	E2-WST-PLM-DTL-301	VC EAST STORM DRAINAGE RISER			
456	E3-WST-MEC-PLN-130	VC WEST PLATFORM LEVEL HVAC PLAN			
457	E3-WST-MEC-PLN-131	VC WEST INTERMEDIATE LEVEL HVAC PLAN			
458	E3-WST-MEC-PLN-132	VC WEST BRIDGE LEVEL HVAC PLAN			
459	E3-WST-MEC-PLN-133	VC EAST PLATFORM LEVEL HVAC PLAN			
460	E3-WST-MEC-PLN-134	VC EAST INTERMEDIATE LEVEL HVAC PLAN			
461	E3-WST-MEC-PLN-135	VC EAST BRIDGE LEVEL HVAC PLAN			
462	E3-WST-MEC-SCT-300	VC EAST MECHANICAL SECTION			
463	E3-WST-MEC-SCT-301	VC WEST MECHANICAL SECTION			
464	E3-WST-ELE-PLN-201	ELECTRICAL GROUNDING PLAN			
465	E3-WST-ELE-ELV-202	ELECTRICAL GROUNDING ELEVATION			
466	E3-WST-ELE-PLN-301	ELECTRICAL UNDERSLAB CONDUIT PLAN (1 OF 2)			
467	E3-WST-ELE-PLN-302	ELECTRICAL UNDERSLAB CONDUIT PLAN (2 OF 2)			
468	E3-WST-ELE-PLN-303	ELECTRICAL CANOPY PLAN			

CIVIL CONSTRUCTION

SHT #	SHEET NAME	SHEET DESCRIPTION	STATION	STATION	REV
469	E3-WST-ELE-PLN-304	ELECTRICAL LIGHTING PLAN VC PLATFORM LEVEL (WEST)			
470	E3-WST-ELE-PLN-305	ELECTRICAL LIGHTING PLAN VC INTERMEDIATE LEVEL (WEST)			
471	E3-WST-ELE-PLN-306	ELECTRICAL LIGHTING PLAN VC INTERMEDIATE LEVEL (WEST)			
472	E3-WST-ELE-PLN-307	ELECTRICAL LIGHTING PLAN VC INTERMEDIATE LEVEL (WEST)			
473	E3-WST-ELE-PLN-308	ELECTRICAL LIGHTING PLAN VC BRIDGE LEVEL (WEST)			
474	E3-WST-ELE-PLN-309	ELECTRICAL LIGHTING PLAN VC PLATFORM LEVEL (EAST)			
475	E3-WST-ELE-PLN-310	ELECTRICAL LIGHTING PLAN VC BRIDGE LEVEL (EAST)			
476	E3-WST-ELE-PLN-311	ELECTRICAL UNDERSLAB CONDUIT PLAN - VC PLATFORM LEVEL (WEST)			
477	E3-WST-ELE-PLN-312	ELECTRICAL PLAN - VC PLATFORM LEVEL (EAST)			
478	E3-WST-ELE-PLN-313	ELECTRICAL POWER PLAN - VC INTERMEDIATE LEVEL (WEST)			
479	E3-WST-ELE-PLN-314	ELECTRICAL POWER PLAN BRIDGE LEVEL (WEST)			
480	E3-WST-ELE-PLN-315	ELECTRICAL POWER PLAN PLATFORM/INTERMEDIATE LEVEL (EAST)			
481	E3-WST-ELE-PLN-316	ELECTRICAL POWER PLAN VC BRIDGE LEVEL (WEST)			
482	E3-WST-ELE-PLN-321	ELECTRICAL HEAT TRACE PLAN			
483	E3-WST-ELE-ELV-322	ELECTRICAL HEAT TRACE ELEVATION			
484	E3-WST-ELE-ELV-350	ELECTRICAL VC TRACK 1 - PARTIAL ELEVATION (WEST)			
485	E3-WST-ELE-ELV-351	ELECTRICAL VC TRACK 1 - PARTAIL ELEVATION (WEST)			
486	E3-WST-ELE-ELV-352	ELECTRICAL VC TRACK 2 - PARTIAL ELEVATION (WEST)			
487	E3-WST-ELE-ELV-353	ELECTRICAL VC TRACK 2 - PARTIAL ELEVATION (WEST)			
488	E3-WST-ELE-ELV-354	ELECTRICAL VC SIDE ELEVATIONS (WEST)			
489	E3-WST-ELE-ELV-355	ELECTRICAL VC TRACK 1 - PARTIAL ELEVATION (EAST)			
490	E3-WST-ELE-ELV-356	ELECTRICAL VC TRACK 2 - ELEVATION (EAST)			
491	E3-WST-ELE-ELV-357	ELECTRICAL VC TRACK 2 - ELEVATION (EAST)			
492	E3-WST-ELE-ELV-358	ELECTRICAL VC TRACK 2 - PARTIAL SIDE ELEVATIONS (EAST)			
493	E3-WST-ELE-PLN-411	COMMUNICATIONS UNDERSLAB CONDUIT PLAN (1 OF 2)			
494	E3-WST-ELE-PLN-412	COMMUNICATIONS UNDERSLAB CONDUIT PLAN (2 OF 2)			
495	E3-WST-ELE-PLN-421	COMMUNICATIONS CANOPY PLAN			
496	E3-WST-ELE-PLN-431	COMMUNICATIONS VC PLATFORM LEVEL PLAN (WEST)			
497	E3-WST-ELE-PLN-432	COMMUNICATIONS VC BRIDGE LEVEL PLAN (WEST)			
498	E3-WST-ELE-PLN-433	COMMUNICATIONS VC PLATFORM LEVEL PLAN (EAST)			
499	E3-WST-ELE-PLN-434	COMMUNICATIONS VC BRIDGE LEVEL PLAN (EAST)			
500	E3-WST-ELE-ELV-441	COMMUNICATIONS VC TRACK 1 ELEVATION (WEST) (1 OF 2)			
501	E3-WST-ELE-ELV-442	COMMUNICATIONS VC TRACK 1 ELEVATION (WEST) (2 OF 2)			
502	E3-WST-ELE-ELV-443	COMMUNICATIONS VC TRACK 2 ELEVATION (WEST) (1 OF 2)			
503	E3-WST-ELE-ELV-444	COMMUNICATIONS VC TRACK 2 ELEVATION (WEST) (2 OF 2)			
504	E3-WST-ELE-ELV-445	COMMUNICATIONS VC TRACK 1 ELEVATION (EAST)			
505	E3-WST-ELE-ELV-446	COMMUNICATIONS VC TRACK 2 ELEVATION (EAST)			
506	E3-WST-ELE-SCH-461	COMMUNICATIONS CONDUIT SCHEDULE (1 OF 2)			
507	E3-WST-ELE-SCH-462	COMMUNICATIONS CONDUIT SCHEDULE (2 OF 2)			
508	E3-WST-ELE-SCH-501	ELECTRICAL SCHEDULES (1 OF 3)			
509	E3-WST-ELE-SCH-502	ELECTRICAL SCHEDULES (2 OF 3)			
510	E3-WST-ELE-SCH-503	ELECTRICAL SCHEDULES (3 OF 3)			

CIVIL CONSTRUCTION

SHT #	SHEET NAME	SHEET DESCRIPTION	STATION	STATION	REV

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

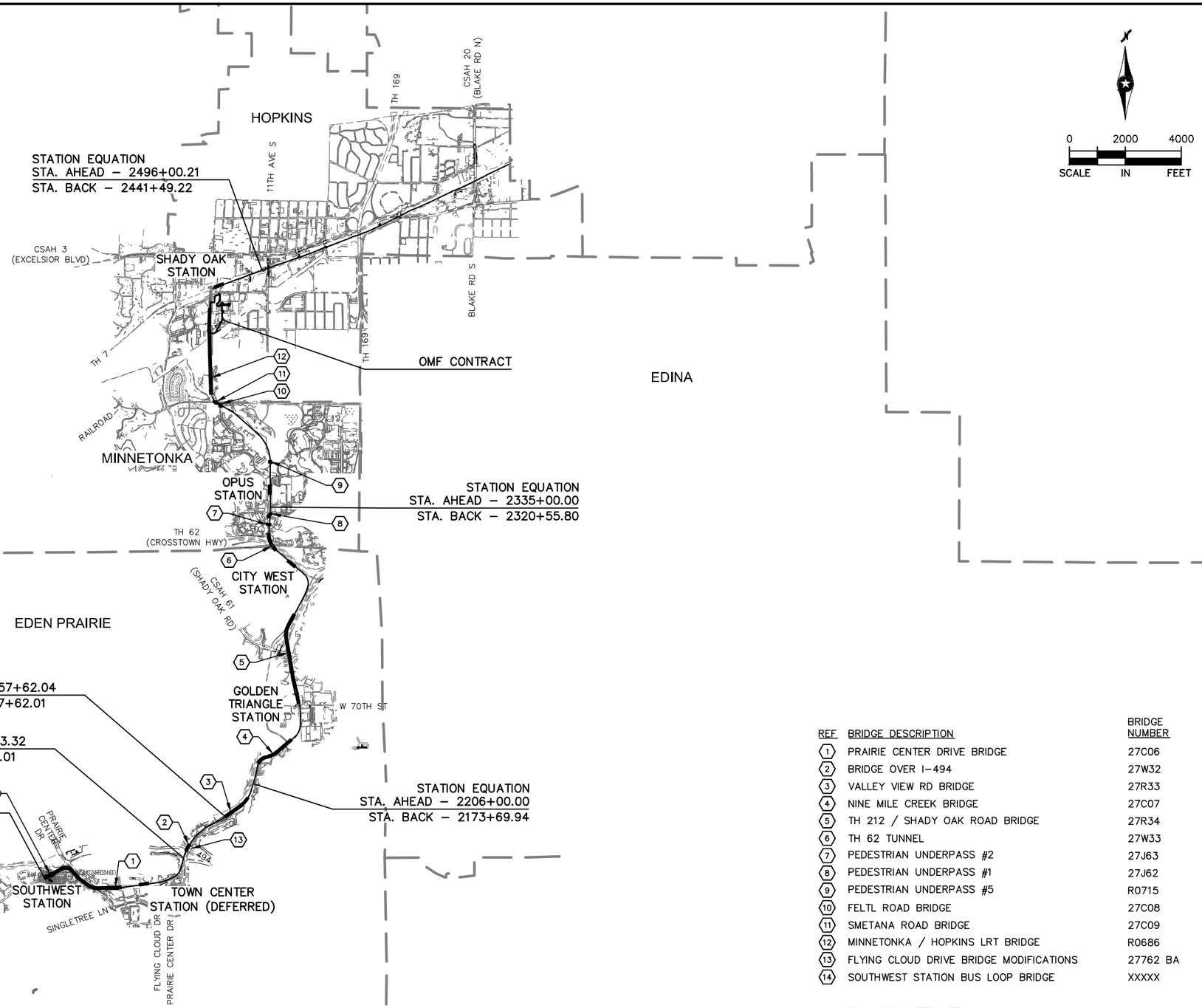
CIVIL - VOLUME 11C
GENERAL
VOLUME INDEX OF PLAN SHEETS
SHEET 3

DISCIPLINE: GENERAL

SHEET NAME: 00-GEN-IDX-003

SHEET 4 OF 510

Jan. 21 2016 07:30 pm V:\3400_ADC\CAD\CAD MANAGEMENT\DRAWING LIST\COVER SHEETS 90%\90% GEN-IDX_VOL_11.dwg By: v-krlewamr



REF	BRIDGE DESCRIPTION	BRIDGE NUMBER
1	PRAIRIE CENTER DRIVE BRIDGE	27C06
2	BRIDGE OVER I–494	27W32
3	VALLEY VIEW RD BRIDGE	27R33
4	NINE MILE CREEK BRIDGE	27C07
5	TH 212 / SHADY OAK ROAD BRIDGE	27R34
6	TH 62 TUNNEL	27W33
7	PEDESTRIAN UNDERPASS #2	27J63
8	PEDESTRIAN UNDERPASS #1	27J62
9	PEDESTRIAN UNDERPASS #5	R0715
10	FELTL ROAD BRIDGE	27C08
11	SMETANA ROAD BRIDGE	27C09
12	MINNETONKA / HOPKINS LRT BRIDGE	R0686
13	FLYING CLOUD DRIVE BRIDGE MODIFICATIONS	27762 BA
14	SOUTHWEST STATION BUS LOOP BRIDGE	XXXXX

BA – BID ALTERNATE

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SOUTHWEST Green Line LRT Extension

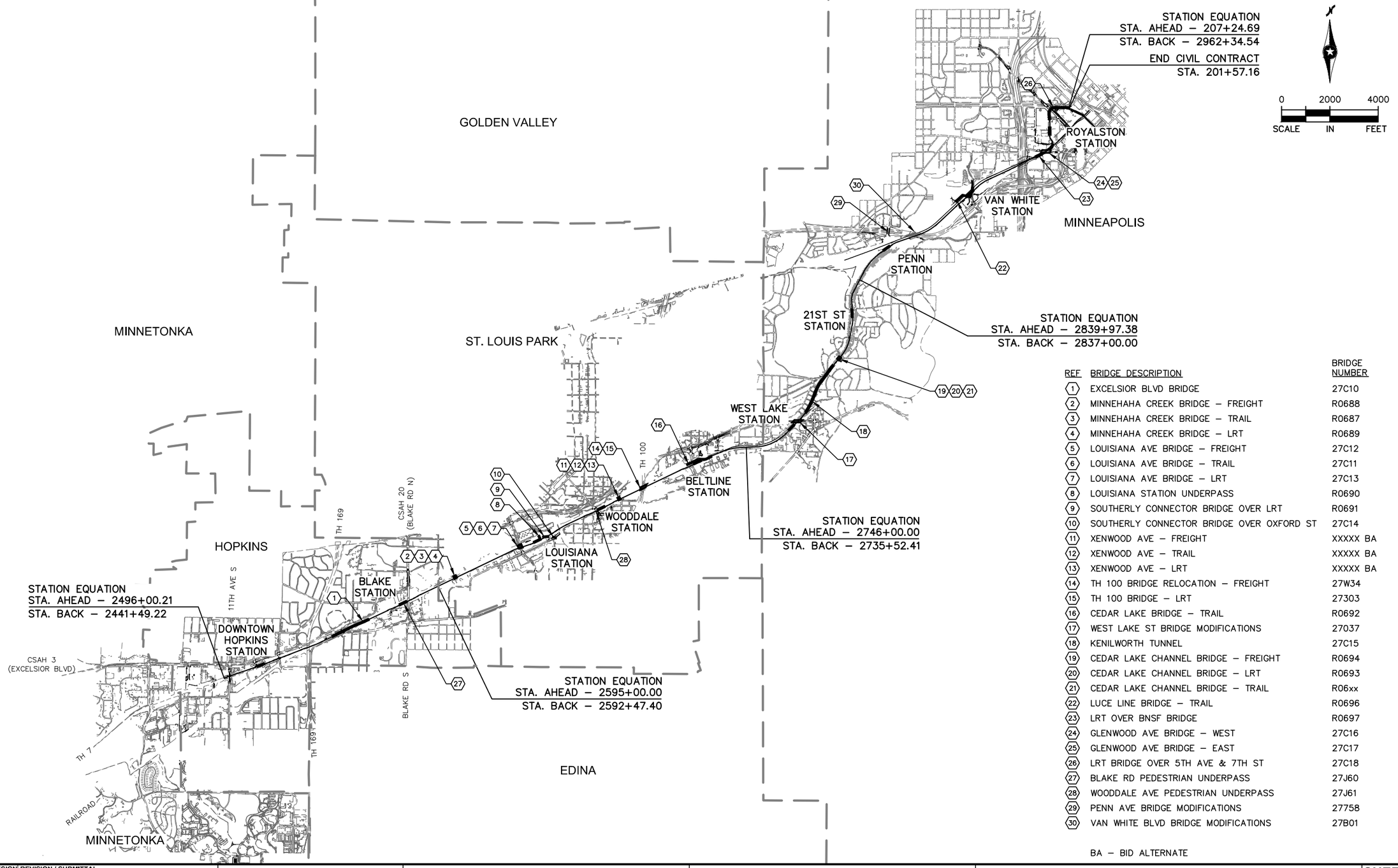
CIVIL - VOLUME 11C
GENERAL
KEY MAP
SHEET 1

DISCIPLINE: GENERAL

SHEET NAME: W0-GEN-KEY-001

SHEET 5 OF 510

Jan, 16 2016 04:40 pm V:\3400_ADC\CAD\CAD MANAGEMENT\DRAWING LIST\COVER SHEETS 90%\W0-GEN-KEY.dwg By: V-KriewaMR



REF	BRIDGE DESCRIPTION	BRIDGE NUMBER
1	EXCELSIOR BLVD BRIDGE	27C10
2	MINNEHAHA CREEK BRIDGE – FREIGHT	R0688
3	MINNEHAHA CREEK BRIDGE – TRAIL	R0687
4	MINNEHAHA CREEK BRIDGE – LRT	R0689
5	LOUISIANA AVE BRIDGE – FREIGHT	27C12
6	LOUISIANA AVE BRIDGE – TRAIL	27C11
7	LOUISIANA AVE BRIDGE – LRT	27C13
8	LOUISIANA STATION UNDERPASS	R0690
9	SOUTHERLY CONNECTOR BRIDGE OVER LRT	R0691
10	SOUTHERLY CONNECTOR BRIDGE OVER OXFORD ST	27C14
11	XENWOOD AVE – FREIGHT	XXXXX BA
12	XENWOOD AVE – TRAIL	XXXXX BA
13	XENWOOD AVE – LRT	XXXXX BA
14	TH 100 BRIDGE RELOCATION – FREIGHT	27W34
15	TH 100 BRIDGE – LRT	27303
16	CEDAR LAKE BRIDGE – TRAIL	R0692
17	WEST LAKE ST BRIDGE MODIFICATIONS	27037
18	KENILWORTH TUNNEL	27C15
19	CEDAR LAKE CHANNEL BRIDGE – FREIGHT	R0694
20	CEDAR LAKE CHANNEL BRIDGE – LRT	R0693
21	CEDAR LAKE CHANNEL BRIDGE – TRAIL	R06xx
22	LUCE LINE BRIDGE – TRAIL	R0696
23	LRT OVER BNSF BRIDGE	R0697
24	GLENWOOD AVE BRIDGE – WEST	27C16
25	GLENWOOD AVE BRIDGE – EAST	27C17
26	LRT BRIDGE OVER 5TH AVE & 7TH ST	27C18
27	BLAKE RD PEDESTRIAN UNDERPASS	27J60
28	WOODDALE AVE PEDESTRIAN UNDERPASS	27J61
29	PENN AVE BRIDGE MODIFICATIONS	27758
30	VAN WHITE BLVD BRIDGE MODIFICATIONS	27B01

BA – BID ALTERNATE

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
GENERAL
KEY MAP
SHEET 2

DISCIPLINE: GENERAL

SHEET NAME: E0-GEN-KEY-002

SHEET 6 OF 510

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SYMBOLS

- PROPOSED DIRECTIONAL LANE USE
- EXISTING DIRECTIONAL LANE USE
- FLASHER (FREIGHT & PEDESTRIAN)
- CROSSING GATE (FREIGHT & LRT)
- CANTILEVER SIGNAL
- RAIL TURNOUT
- RAIL CROSSOVER (DOUBLE)
- RAIL CROSSOVER (SINGLE)
- POINT OF SWITCH (PS)
- OCS POLE FOUNDATION
- RAIL LUBRICATOR
- POINT OF INTERSECTION (PI)
- W2–200 — RAILROAD CURVE NUMBER
- ACCESSIBLE PEDESTRIAN CURB RAMP (DESIGN VARIES)
- HANDICAP PARKING STALL
- TACTILE WARNING STRIP
- TPSS BUILDING (TPSS–SW###) – NIC
  TUNNEL SYSTEMS HOUSE (TSY–SW###) – NIC
- SIGNAL / COMMUNICATION HOUSE – NIC
- STORM SEWER MANHOLE
- STORM SEWER CATCH BASIN
- STORM SEWER FLARED END SECTION
- STORM SEWER CLEAN–OUT
- STORM SEWER PUMP STATION
- DTXX / INV XXX.XX — DRAINTILE ID
- XXXX – ST — STORM SEWER STRUCTURE ID
- C / E — BUS SHELTER
- ROADWAY / PEDESTRIAN LIGHT

LINETYPES

- ROADWAY ℄
- TRACK ℄ (LRT)
- TRACK ℄ (FRT)
- RETAINING WALL
- BALLAST CURB
- TUNNEL WALL
- FENCE
- EX ROW
- PROP ROW
- PROP TCE
- PROP PE
- FENCE / RAILING
- ID — ID — FREIGHT INTRUSION DETECTION
- CONCRETE CURB AND GUTTER
- TRAIL (WIDTH VARIES)
- SIDEWALK
- DRIVEWAY
- BRIDGE
- SAWCUT
- DELINEATED WETLAND
- BMP (NWL) WATER EDGE
- PROPOSED FLOODPLAIN MITIGATION AREA
- SILT FENCE
- BALE BARRIER
- STORM SEWER
- CASING PIPE
- PIPE REMOVAL
- STRUCTURE REMOVAL
- FLOATING SILT FENCE
- SUPER DUTY SILT FENCE
- CONSTRUCTION LIMITS
- ROCK WEEPER
- DIVERSION DITCH
- OVERLAND FLOW
- CROSSWALK
- STOP BAR
- MEDIAN NOSE
- EP-EP-18 — WETLAND ID

CONSTRUCTION PACKAGE NOTE

NOTE: THE SWLRT CONSTRUCTION IS BEING IMPLEMENTED THROUGH THREE MAIN CONSTRUCTION PACKAGES; CIVIL, SYSTEMS & TUNNEL FACILITIES (SYS), AND OPERATIONS & MAINTENANCE FACILITY (OMF). CERTAIN SYS AND OMF SYMBOLS ARE SHOWN ON THE CIVIL CONTRACT PLANS FOR INFORMATION ONLY AND CERTAIN FACILITIES ARE NOT PART OF THE CIVIL CONTRACT.

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
GENERAL
NOTES, ABBREVIATIONS, AND SYMBOLS
SHEET 1

DISCIPLINE: GENERAL

SHEET NAME: 00-GEN-NTS-001

SHEET 7 OF 510

ABBREVIATIONS

3-2 (EG)	SIGNAL HEAD NUMBER (PHASE 3, NO. 2)
AD	ALGEBRAIC DIFFERENCE
AVE	AVENUE
AWF	ADVANCE WARNING FLASHER
BA	BID ALTERNATE
BGN	BEGIN
BP	BEGINNING POINT
BVCE	BEGINNING VERTICAL CURVE ELEVATION
BVCS	BEGINNING VERTICAL CURVE STATION
BLVD	BOULEVARD
BMP	BEST MANAGEMENT PRACTICE
BNSF	BURLINGTON NORTHERN SANTA FE RAILWAY
C&G	CURB AND GUTTER
℄	CENTERLINE
CB	CATCH BASIN
CE	CLEARANCE ENVELOPE
CIR	CIRCLE
CO	DRAINTILE CLEANOUT STRUCTURE
CP	CANADIAN PACIFIC
CPRAIL	CANADIAN PACIFIC RAILWAY
CS	CURVE TO SPIRAL
CSAH	COUNTY STATE AID HIGHWAY
D&U	DRAINAGE AND UTILITY
DF	DIRECT FIXATION
DR	DRIVE
DT	DRAINTILE
DTL	DETAIL
DWY	DRIVEWAY
E	EAST
Ea	ACTUAL SUPERELEVATION (INCHES)
EB	EAST BOUND
EL or ELEV	ELEVATION
EP	ENDING POINT
ESMT	EASEMENT
Eu	UNBALANCED SUPERELEVATION (INCHES)
EVCE	ENDING VERTICAL CURVE ELEVATION
EVCS	ENDING VERTICAL CURVE STATION
EVP	EMERGENCY VEHICLE PRE-EMPTION
EX	EXISTING
FES	FLARED END SECTION
FYA	FLASHING YELLOW ARROW
GR RD	GROUND ROD
GRN	GREEN INDICATION
HCRRA	HENNEPIN COUNTY REGIONAL RAILROAD AUTHORITY
INL	BRIDGE DRAIN INLET
INS GR	INSULATED GROUND
IP	INPLACE
LED	LIGHT EMITTING DIODE
LH	LEFT HAND
LN	LANE
LRCI	LOCALLY REQUESTED CAPITAL INVESTMENT
LRT	LIGHT RAIL TRANSIT
LRV	LIGHT RAIL VEHICLE
LT	LEFT
LUM	LUMINAIRE
L_c	CURVE LENGTH (FEET)
L_s	SPIRAL LENGTH (FEET)
MIN	MINIMUM
MPH	MILES PER HOUR
MPLS	CITY OF MINNEAPOLIS
MPRB	MINNEAPOLIS PARK AND RECREATION BOARD
N	NORTH
NB	NORTH BOUND
NIC	NOT IN CONTRACT
NO	NUMBER
NWL	NORMAL WATER LINE
OCS	OUTLET CONTROL SYSTEM
OCS	OVERHEAD CONTACT SYSTEM
OMF	OPERATIONS AND MAINTENANCE FACILITY
OH	OVERHEAD
P1-1 (EG)	PEDESTRIAN HEAD (PHASE 1, NO. 1)
PB2-1 (EG)	PUSHBUTTON (PHASE 2, NO. 1)
PC	POINT OF CURVE
PE	PERMANENT EASEMENT
PED	PEDESTRIAN
PITO	POINT OF INTERSECTION OF TURNOUT
PKWY	PARKWAY
POB	POINT OF BEGINNING
POE	POINT OF ENDING
POT	POINT ON TANGENT
PROP	PROPOSED
PS	POINT OF SWITCH
PT	POINT OF TANGENT
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS (FEET)
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
RL	RAIL LUBRICATOR
r	RATE OF CHANGE VERTICAL CURVE
RH	RIGHT HAND
ROW	RIGHT OF WAY
RT	RIGHT
S	SOUTH
SB	SOUTH BOUND
SC	SPIRAL TO CURVE
SIG-COMM	SIGNAL COMMUNICATION
SOP	SOURCE OF POWER
ST	STREET
ST	SPIRAL TO TANGENT
ST	STORM MANHOLE STRUCTURE
STA	STATION
TCE	TEMPORARY CONSTRUCTION EASEMENT
TH	TRUNK HIGHWAY
THRU	THROUGH
TOR	TOP OF RAIL
TPSS	TRACTION POWER SUBSTATION
TRK	TRACK
TS	TANGENT TO SPIRAL
TYP	TYPICAL
UG	UNDERGROUND
V	DESIGN VELOCITY (MPH)
VC	VERTICAL CURVE
VDE	VEHICLE DYNAMIC ENVELOPE
W	WEST
WB	WEST BOUND
WLK	WALK INDICATION

TRAIL INDEX

ABBREVIATED NAME	FULL NAME / LOCATION
TRAIL 1	UNDER RED CIRCLE DR, LRT, AND YELLOW CIRCLE DR
TRAIL 2	FROM TRAIL 1 TO GREEN CIRCLE DR
TRAIL 3	OPUS STATION ACCESS FROM BREN RD E
TRAIL 4	FROM BREN RD W TO TRAIL 5
TRAIL 5	FROM OPUS STATION TO GREEN CIRCLE DR
TRAIL 6	FROM TRAIL 5 TO SMETANA RD
CEDAR LAKE TRAIL	CEDAR LAKE LRT REGIONAL TRAIL/FROM SHADY OAK STATION TO 11TH AVE
CEDAR LAKE TRAIL	CEDAR LAKE LRT REGIONAL TRAIL/WEST OF EXCELSIOR
CEDAR LAKE TRAIL	CEDAR LAKE LRT REGIONAL LRT TRAIL/BETWEEN EXCELSIOR AND KENILWORTH TRAIL CONNECTION
MIDTOWN GREENWAY	MIDTOWN GREENWAY/EAST OF KENILWORTH TRAIL CONNECTION
TRAIL A	KENILWORTH TRAIL (SECONDARY)/BETWEEN CEDAR-ISLES CHANNEL AND 21ST STREET STATION
TRAIL B	KENILWORTH TRAIL (SECONDARY)/BETWEEN 21ST STREET STATION AND PENN STATION
TRAIL B	CEDAR LAKE TRAIL (SECONDARY)/EAST OF PENN STATION
TRAIL C	10' CONNECTOR TRAIL FROM CEDAR LAKE LRT REGIONAL TRAIL TO TYLER AVE.
TRAIL D	10' CONNECTOR TRAIL/BELTLINE STATION TO CEDAR LAKE LRT REGIONAL TRAIL
KENILWORTH TRAIL	KENILWORTH TRAIL (MAIN)/W LAKE ST TO PENN STATION
CEDAR LAKE TRAIL	CEDAR LAKE TRAIL (MAIN)/PENN STATION TO TH 394
TRAIL E	KENILWORTH TRAIL (SECONDARY)/EAST OF W LAKE ST
TRAIL F	KENILWORTH TRAIL (SECONDARY)/WEST OF CEDAR LAKE PKWY
TRAIL G	NOT USED
TRAIL H	10' CONNECTOR TRAIL/EAST OF PENN STATION TO KENWOOD PKWY
TRAIL I	10' CONNECTOR TRAIL FROM CEDAR LAKE REGIONAL TRAIL TO CSAH 20 (BLAKE RD)
CEDAR LAKE TRAIL	CEDAR LAKE TRAIL (MAIN)/AT-GRADE CROSSING AT PENN STATION
TRAIL J	CEDAR LAKE TRAIL (SECONDARY)/NORTHWEST OF PENN STATION
TRAIL K	CEDAR LAKE TRAIL (SECONDARY)/NORTHWEST OF PENN STATION
TRAIL L	CEDAR LAKE TRAIL (SECONDARY)/EAST OF PENN STATION
TRAIL M	10' CONNECTOR TRAIL FROM CEDAR LAKE REGIONAL TRAIL TO CSAH 20 (BLAKE RD)
TRAIL N	8' CONNECTOR TRAIL FROM CEDAR LAKE TRAIL TO EDGEBROOOK DRIVE
TRAIL O	8' CONNECTOR TRAIL FROM CEDAR LAKE TRAIL TO W LAKE STREET
TRAIL P	8' CONNECTOR TRAIL FROM CEDAR LAKE TRAIL TO LOUISIANA AVE
TRAIL Q	10' CONNECTOR TRAIL FROM CEDAR LAKE TRAIL TO TH 7 SERVICE ROAD
TRAIL R	20' CONNECTOR TRAIL FROM VAN WHITE STATION TO CEDAR LAKE TRAIL
TRAIL S	10' CONNECTOR TRAIL FROM CEDAR LAKE REGIONAL TRAIL TO BELTLINE BLVD
TRAIL T	8' CONNECTOR TRAIL FROM VAN WHITE STATION TO VAN WHITE MEMORIAL BLVD
TRAIL U	10' TRAIL PARALLEL TO CEDAR LAKE PKWY
LUCE LINE TRAIL	LUCE LINE REGIONAL TRAIL/ON BRIDGE OVER LIGHT RAIL
TRAIL V	CONNECTOR TRAIL TO LUCE LINE REGIONAL TRAIL WEST OF LIGHT RAIL
TRAIL W	CONNECTOR TRAIL TO LUCE LINE REGIONAL TRAIL WEST OF LIGHT RAIL
TRAIL X	NOT USED
TRAIL Y	12' CONNECTOR TRAIL FROM CEDAR LAKE REGIONAL TRAIL TO WOODDALE AVE S
TRAIL Z	12' CONNECTOR TRAIL FROM CEDAR LAKE REGIONAL TRAIL TO WOODDALE AVE S
TRAIL AA	8' PEDESTRIAN CONNECTOR TRAIL FROM TRAIL B TO PENN STATION
TRAIL BB	8' PEDESTRIAN CONNECTOR TRAIL FROM TRAIL B TO PENN STATION
TRAIL CC	10' CONNECTOR TRAIL FROM KENILWORTH TRAIL (MAIN) TO PENN STATION

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
GENERAL
NOTES, ABBREVIATIONS, AND SYMBOLS
SHEET 2

DISCIPLINE: GENERAL

SHEET NAME: 00-GEN-NTS-002

SHEET 8 OF 510

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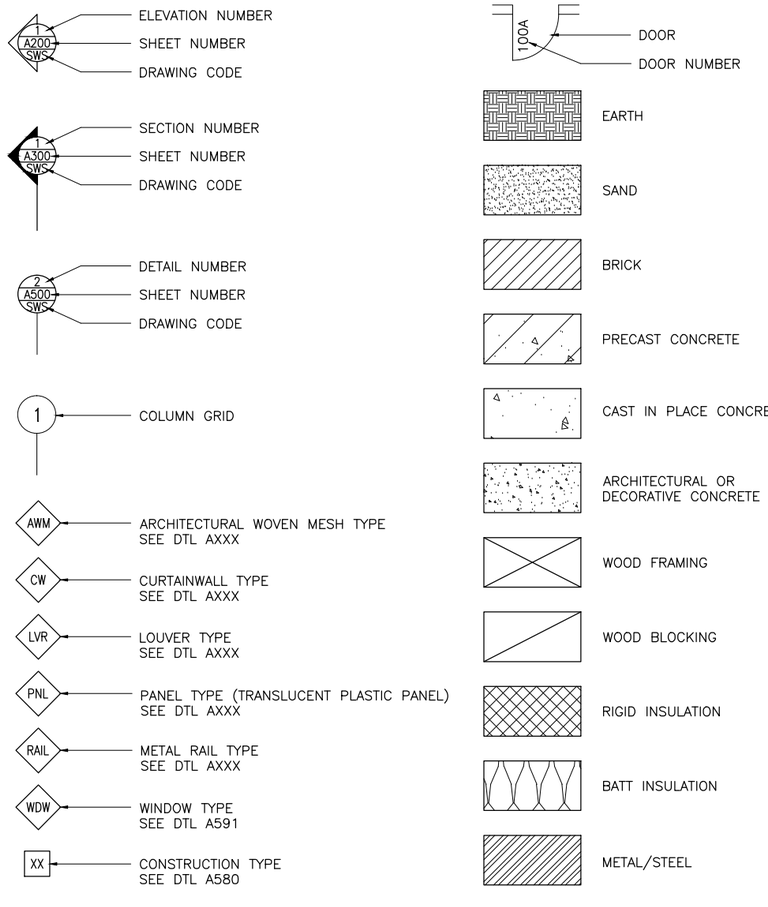
ABBREVIATIONS

@	AT
℄	BASELINE
℄	CENTERLINE
Ø	DIAMETER
ℙ	PLATE
#	POUND/ NUMBER
A/C	AIR CONDITIONING
ACS	ACCESS
AD	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
ADDL	ADDITIONAL
ADJ	ADJACENT
AESS	ARCHITECTURALLY EXPOSED STRUCT STL
AFF	ABOVE FINISH FLOOR
ALUM	ALUMINUM
ANC	ANCILLARY
ANOD	ANODIZED
ANT	ANTENNA(E)
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL)
ATS	AUTOMATIC TRANSFER SWITCH
AVE	AVENUE
AWM	ARCHITECTURAL WOVEN MESH
BATT	BATTERY
BD	BOARD
BL	BASELINE
BLDG	BUILDING
BLKG	BLOCK(ING)
BLVD	BOULEVARD
BM	BENCH MARK
BNDRY	BOUNDARY
B.O.	BASE OF/ BOTTOM OF
BRK	BRICK
BTW	BETWEEN
CAB	CABINET
CAR	COUNCIL AUTHORIZED REPRESENTATIVE
CCTV	CCTV CAMERA
CEM	CEMENT(ITIOUS)
CI	CAST IRON
CIP	CAST IN PLACE
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONARY UNIT
CO	COUNTY
COL	COLUMN
COMM	COMMUNICATION(S)
CONC	CONCRETE
CONST	CONSTANT
CONSTR JT	CONSTRUCTION JOINT
CONT	CONTINUE(OUS)
COORD	COORDINATE
CSK	COUNTERSUNK
CT	CERAMIC TILE
CTG	COATING
D	DEEP
DEC	DECORATIVE
DIA	DIAMETER
DIM(S)	DIMENSION(S)
DIP	DUCTILE IRON PIPE
DIR	DIRECTIVE
DISP	DISPLAY
DIV	DIVISION
DN	DOWN
DR	DOOR
DRN	DRAIN
DTL	DETAIL
DWG	DRAWING
E	EAST
EA	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR/ ELEVATION
EMR	ELEVATOR MACHINE ROOM
ENCL	ENCLOSURE
ENGR(ING)	ENGINEER(ING)
ENT	ENTRANCE/ ENTRY
EP	EDEN PRAIRIE
EQ	EQUAL
EQUIP	EQUIPMENT
ETL	EMERGENCY TELEPHONE
EXIST	EXISTING
EXT	EXTERIOR
FC	FACE
FCO	FLOOR CLEANOUT
FF	FINISHED FLOOR
FIN	FINISH
FIXT	FIXTURE
FL	FLOOR
FLASH	FLASHING
FLUOR	FLUORESCENT
FO	FACE/ FRONT OF
FRP	FIBERGLASS REINFORCED PANEL
FT	FOOT/ FEET
FTG	FOOTING
FUTR	FUTURE
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GL	GLASS/ GLAZING
GPM	GALLONS PER MINUTE
GR	GRADE
GS	GROUND SURFACE
GYP	GYPSUM
H	HIGH
HH	HAND HOLE
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
HDWR	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HIGH PERFORMANCE
HOP	HOPKINS
HR	HOUR
HTR	HEATER
HVAC	HEATING, VENTLATION AND AIR CONDITIONING
ID	IDENTIFICATION/INSIDE DIAMETER
IN	INCH(ES)
INCL	INCLUDING
INF	INFILL
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
J-BOX	JUNCTION BOX
JT	JOINT
LDR	LEADER
LG	LONG
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC	LOCATION
LVR(S)	LOUVER(S)
MACH	MACHINE
MAINT	MAINTENANCE
MAS	MASONRY
MAT	MATERIAL
MAX	MAXIMUM
MCP	METAL CEILING PANEL
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MFR	MANUFACTURER(ED)
MH	MANHOLE
MID	MIDDLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MN	MINNESOTA
MN/DOT	MINNESOTA DEPARTMENT OF TRANSPORTATION
MO	MASONRY OPENING
MPLS	MINNEAPOLIS
MT	METRO TRANSIT
MTD	MOUNT(ED)
MTKA	MINNETONKA
MTL	METAL
N/A	NOT APPLICABLE
N	NORTH
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OCS	OVERHEAD CONTACT SYSTEM
OH	OVERHEAD
OMF	OPERATIONS AND MAINTENANCE FACILITY
OPER	OPERABLE
OPNG	OPENING
OPP	OPPOSITE
PA	PUBLIC ADDRESS
PART	PARTIAL
PERP	PERPENDICULAR
PL	PLATE
PLBG	PLUMBING
PLWD	PLYWOOD
PNL(S)	PANEL(S)
PRCST/PC	PRECAST
PRE-FAB	PRE-FABRICATED
PSI	POUND PER SQUARE INCH
PT	POINT
PTD	PAINT(ED)
PVC	POLYVINYL CHLORIDE
PROP	PROPOSED/PROPERTY
QTY	QUANTITY(IES)
R	REVEAL
RAD	RADIUS
RD	ROOF DRAIN
REF	REFERENCE
REINF	REINFORCE(MENT)(ING)
REQD	REQUIRED
REQS	REQUIREMENTS
REV	REVISE (REVISION)
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT-OF-WAY
RSV	RAIL SMARTCARD VALIDATOR
RVS	REVERSE
RWL	RAIN WATER LEADER
S	SOUTH
SCHED	SCHEDULE
SCC	STATION COMMUNICATION CABINET
SEC	STATION ELECTRICAL CABINET
SF	SQUARE FEET
SHTHG	SHEATHING
SIG	SIGNAL
SIM	SIMILAR
SLP	ST. LOUIS PARK
SLNT	SEALANT
SHT	SHEET
SK	SKYLIGHT
SPEC	SPECIFICATION
SPKR	SPEAKER
SPO	SOUTHWEST PROJECT OFFICE
SQ	SQUARE
SS	STAINLESS STEEL
ST	STREET
STA	STATION
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURE(AL)
SUSP	SUSPENDED
SWLRT	SOUTHWEST CORRIDOR LIGHT RAIL TRANSIT
SYS	SYSTEM
T	TREAD
TEMP	TEMPORARY
T/E	TRACTION/ELECTRIC
TH	THICK(NESS)
THRES	THRESHOLD
THRU	THROUGH
T.O.	TOP OF
TOW	TOP OF WALL
TPSS	TRACTION POWER SUBSTATION
TUNN	TUNNEL
TVM	TICKET VENDING MACHINE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VMS	VARIABLE MESSAGE SIGN
VS	VENT SHAFT
W/	WITH
W/O	WITHOUT
W	WEST/WIDTH
WCO	WALL CLEANOUT
WP	WORKING POINT
WD	WOOD
WDW	WINDOW

DRAWING CODES

HOP	DOWNTOWN HOPKINS STATION
BLK	BLAKE STATION
LOU	LOUISIANA STATION
WDL	WOODDALE STATION
BLT	BELTLINE STATION
WST	WEST LAKE STATION
21S	21ST STREET STATION
PEN	PENN STATION
VWT	VAN WHITE STATION
ROY	ROYALSTON STATION
DTL	COMMON DETAILS IN VOLUME 11E

SYMBOLS



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
STATIONS
ARCHITECTURAL ABBREVIATIONS, SYMBOLS, AND DRAWING CODES

DISCIPLINE: ARCHITECTURE

SHEET NAME: E0-ARC-ABR-020

SHEET 9 OF 510

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1. CODES AND SPECIFICATIONS

1. 2015 MINNESOTA STATE BUILDING CODE.
2. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" (AISC-360-10).
3. AMERICAN CONCRETE INSTITUTE (ACI) "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318-11).
4. AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" ASCE 7-10.

2. GENERAL

1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, ELEVATIONS AND DIMENSIONS. CHANGES REQUIRED DUE TO EXISTING CONDITIONS SHALL BE SUBJECT TO A/E APPROVAL PRIOR TO ANY CONSTRUCTION.
2. CONTRACTOR SHALL SUBMIT ALL REQUIRED SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION OR DELIVERY OF MATERIALS TO THE SITE.
3. NOTES, TYPICAL DETAILS AND SCHEDULES APPLY TO ALL STRUCTURAL WORK UNLESS NOTED OTHERWISE. FOR CONDITIONS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS OF A SIMILAR NATURE. VERIFY APPLICABILITY BY SUBMITTING SHOP DRAWINGS.
4. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS, CIVIL, ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS. IF THERE IS A DISCREPANCY BETWEEN DRAWINGS AND SPECIFICATIONS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE C.A.R. PRIOR TO PERFORMING WORK.
5. AT ALL TIMES THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF PERSONS AND PROPERTY. THE ENGINEER'S PRESENCE OR REVIEW OF WORK DOES NOT INCLUDE THE ADEQUACY OF THE CONTRACTOR'S MEANS OR METHODS OF CONSTRUCTION.
6. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SUPPORT, BRACING, SHORING, ETC. OF BOTH EXISTING AND NEW CONSTRUCTION, INCLUDING UTILITIES, AS WILL BE REQUIRED FOR THE SAFE INSTALLATION OF NEW CONSTRUCTION AND THE COMPLETE PROTECTION OF PUBLIC, WORKMEN AND PROPERTY. TOTAL RESPONSIBILITY IN THIS REGARD SHALL REST WITH THE CONTRACTOR.

3. FOUNDATION

1. PLATFORMS AND VC STRUCTURES SHALL BE PLACED ON SELECT GRANULAR MATERIAL OR OTHER FOUNDATION SYSTEMS AS OUTLINED IN THE PROJECT GEOTECHNICAL REPORTS.
2. MINIMUM FROST DEPTH AND FOOTING DEPTH SHALL BE 5'-0" FEET BELOW FINISHED GRADE FOR UNHEATED STRUCTURES.
3. PILE SUPPORTED FOOTINGS SHALL BE SUPPORTED BY 12" CIP PILES OR MICROPILES AS SHOWN ON THE PLANS.

4. CONCRETE

1. ALL CONCRETE SHALL CONFORM TO CURRENT EDITION OF THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE ACI 318-11.
2. CONCRETE FOR FOOTINGS, PIERS, WALLS BEAMS AND SLAB ON GRADE SHALL BE STONE CONCRETE AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
3. CONSTRUCTION JOINTS SHALL BE PROVIDED AS INDICATED ON THE DRAWINGS OR AS APPROVED BY THE ENGINEER.
4. SIZE OF CONCRETE PLACEMENT SHALL NOT EXCEED THE FOLLOWING, UNLESS OTHERWISE NOTED: SLABS ON GRADE: PLACE IN LONG STRIPS AS SHOWN ON THE DRAWINGS. WALL SECTIONS: 40'-0" IN LENGTH BUT NOT FURTHER THAN 15 FEET FROM ANY CORNERS.
5. SURFACE OF ALL CONSTRUCTION JOINTS SHALL BE ROUGHENED BEFORE CONCRETE SETS. CONCRETE SURFACE SHALL BE PREPARED BEFORE A NEW POUR AS SPECIFIED IN THE "ACI MANUAL OF CONCRETE INSPECTION" SP-2.
6. SLEEVES, MECHANICAL OPENINGS, CONDUITS, PIPES, RECESSES, DEPRESSIONS, CURBS AND ALL EMBEDDED ITEMS SHALL BE PROVIDED FOR AS SHOWN ON THE ARCHITECTURAL AND MECHANICAL DRAWINGS AND AS REQUIRED BY EQUIPMENT MANUFACTURERS. MINIMUM CONCRETE BETWEEN SLEEVES SHALL BE 6 INCHES.
7. NOT ALL ITEMS EMBEDDED IN CONCRETE ARE INDICATED ON THE STRUCTURAL DRAWINGS. SEE ARCHITECTURAL WITH MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL EMBEDDED ITEMS.
8. CONCRETE FLOORS SHALL BE CONSTRUCTED TO THE FLATNESS TOLLERANCES INDICATED IN SPECIFICATIONS.

5. REINFORCING STEEL

1. ALL REINFORCING STEEL SHALL CONFORM TO THE CURRENT ASTM SPECIFICATIONS A615 GRADE 60 UNLESS OTHERWISE NOTED ON THE DRAWINGS. REINFORCING STEEL, EXCEPT FOR FOOTING REINFORCEMENT, SHALL BE EPOXY COATED.
2. REINFORCEMENT DETAILS SHALL CONFORM TO THE MANUAL OF STANDARDS FOR DETAILING OF CONCRETE REINFORCEMENT ACI 315.
3. REINFORCEMENT SHALL BE CONTINUOUS THROUGH ALL CONSTRUCTION JOINTS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
4. ALL BARS SHALL BE CONTINUOUS UNLESS NOTED OTHERWISE. BARS SHALL BE RUN CONTINUOUSLY AROUND CORNERS AND LAPPED IF NECESSARY AND HOOKED AT DISCONTINUOUS ENDS.
5. ALL STEEL WELDED FABRIC SHALL CONFORM TO ASTM A185, WITH MINIMUM ULTIMATE TENSILE STRENGTH OF 70,000 PSI.
6. REINFORCING BARS SHALL BE SECURELY HELD IN PROPER POSITION WHILE PLACING CONCRETE. REBAR SPLICE LENGTH SHALL CONFORM TO THE LATEST EDITION OF BUILDING CODE REQUIREMENTS, FOR REINFORCED CONCRETE, ACI 318. SPLICE ALL REBARS AWAY FROM THE TENSION ZONE. TOP BARS SHALL BE SPLICED AT MIDSPANS AND BOTTOM BARS OVER SUPPORTS U.O.N.
7. REINFORCEMENT IN ALL SLABS-ON-GRADE SHALL NOT BE CONTINUOUS THROUGH EXPANSION AND ISOLATION JOINTS. AT THE CONTRACTION OR CONSTRUCTION JOINTS ONLY ALTERNATE BARS SHALL BE CONTINUOUS.
8. ALL REINFORCEMENT INCLUDING WELDED WIRE MESH IN SLABS ON GRADE SHALL BE SUPPORTED TO PREVENT DISPLACEMENT BY CONSTRUCTION LOADS OR PLACING OF CONCRETE. SUPPORT REINFORCEMENT ON CONCRETE BLOCKS 4" SQUARE HAVING COMPRESSIVE STRENGTH EQUAL TO THAT OF THE SLAB. PROVIDE WELDED WIRE MESH IN FLAT SHEETS ONLY.
9. THE CONTRACTOR SHALL VERIFY THE DIMENSIONS AND LOCATIONS OF ALL OPENINGS, PIPE SLEEVES, ETC. AS REQUIRED BY ALL TRADES, BEFORE THE CONCRETE IS POURED, THE CONTRACTOR SHALL CONSULT MECHANICAL AND ELECTRICAL DRAWINGS, AS WELL AS THE STRUCTURAL DRAWINGS FOR THE LOCATION, NUMBER, AND SIZE OF ALL OPENINGS, SLEEVES, ETC. HOWEVER, OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS, SHALL BE INSTALLED ONLY AFTER APPROVAL BY THE STRUCTURAL ENGINEER IS OBTAINED.

6. STRUCTURAL STEEL

1. UNLESS OTHERWISE NOTED, STRUCTURAL STEEL SHAPES SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
   i. WIDE FLANGES, A.S.T.M. A992
   ii. CHANNELS, A.S.T.M. A36
   iii. STRUCTURAL TUBES, A.S.T.M. A500 (Gr. B)
   iv. PLATES, A.S.T.M. A36
2. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC SPECIFICATION FOR DESIGN.
3. ANCHOR RODS SHALL CONFORM TO A.S.T.M. A307.
4. TEMPLATES SHALL BE PROVIDED FOR ALL ANCHOR RODS CAST IN PLACE.
5. HIGH STRENGTH BOLTS SHALL CONFORM TO A.S.T.M. A325. NON-HIGH STRENGTH BOLTS SHALL CONFORM TO A.S.T.M. A307. WASHERS SHALL CONFORM TO A.S.T.M. F436 AND NUTS TO A.S.T.M. A583.
6. ALL AVAILABLE STRENGTHS FOR BOLTS SHALL BE THOSE GIVEN IN THE AISC SPECIFICATIONS.
7. STRUCTURAL STEEL CONNECTIONS SHALL BE AS SHOWN ON THE DRAWINGS.
8. ALL STEEL SURFACES NOT SHOP PRIMED SHALL BE FIELD PRIMED OR TOUCHED-UP PRIMED. EXCEPT AS MODIFIED BY THE SPECIFICATIONS.
9. GALVANIZING WHEN REQUIRED AS CALLED ON PLANS SHALL BE HOT-DIP GALVANIZNING IN ACCORDANCE WITH A.S.T.M. A123 & A155.
10. CONTRACTOR SHALL SUBMIT, FOR REVIEW, STRUCTURAL STEEL SHOP DRAWINGS PREPARED BY AN AISC CERTIFIED FABRICATOR.

7. WELDING

1. WELDING OF STRUCTURAL STEEL SHALL CONFORM TO THE STRUCTURAL WELDING CODE AWS D1.1. ELECTRODES SHALL BE E70XX, LOW HYDROGEN.
2. ALL FILLET WELD SIZES NOT SHOWN ON THE DRAWING SHALL NOT BE LESS THAN THE MINIMUM SIZE AS PER AISC SPECIFICATIONS.
3. ALL WELDING SHALL BE PERFORMED BY AN AWS CERTIFIED WELDER AND SHALL BE SUBJECT TO QUALITY CONTROL INSPECTION AS REQUIRED BY THE STATE OF MINNESOTA BUILDING CODE.

8. GROUT

1. UNLESS OTHERWISE NOTED ON THE DRAWINGS, GROUT SHALL BE CEMENTITIOUS GROUT CONFORMING TO SPECIFICATIONS.
2. FOR ANCHOR BOLTS AND DOWELS, USE EPOXY GROUT, SUCH AS MASTER BUILDERS, INC. BRUTEM AB OR EQUAL.
3. GROUT SHALL BE INSTALLED FOLLOWING MANUFACTURER'S INSTRUCTIONS.

9. DESIGN LOADS

1.

	STATION PLATFORMS		VIRTICAL CIRCULATION	
	PLATFORM	ROOF	LANDINGS	ROOF
LIVE LOAD (PSF)	125	35	100	20
SNOW LOAD (PSF)	–	35	–	42
STRUCTURE DEAD LOAD (PSF)	VARIES	S.W.	125	S.W.
SUPERIMPOSED DEAD LOAD (PSF)	–	10	5	10

NOTE: STEEL SELF WEIGHT WILL BE CALCULATED IN STRUCTURAL ANALYSIS PROGRAM

PLATFORMS

2. ROOF SNOW LOAD:
   GROUND SNOW LOAD: Pg = 50 PSF
   SNOW EXPOSURE FACTOR: Ce = 0.9
   SNOW IMPORTANCE FACTOR: I = 1.0
   THERMAL FACTOR: Ct = 1.2
   FLAT ROOF SNOW LOAD: Pf = 35 PSF
   SNOW DRIFT HAS BEEN CONSIDERED WHERE APPLICABLE.
3. WIND LOADS:
   RISK CATEGORY: II
   ULTIMATE DESIGN WIND SPEED: 115 MPH
   WIND EXPOSURE CATEGORY: B
   INTERNAL PRESSURE COEFFICIENT: 0.18
   COMPONENTS & CLADDING MINIMUM PRESSURE AS PER ASCE 7-10
4. SEISMIC LOADS:
   SEISMIC USE GROUP 1
   SPECTRAL RESPONSE COEFFICIENTS:
   S_{DS} = 0.064g, S_{D1} = .0438g
   SITE CLASS: D
   BASIC SEISMIC-FORCE-RESISTING SYSTEM:
   ORDINARY STEEL MOMENT FRAMES
   DESIGN BASE SHEAR: 0.018W
   SEISMIC DESIGN CATEGORY A
   MODIFICATION FACTOR, R = 3.5
5. DEFLECTION CRITERIA:
   ALLOWABLE DESIGN FLOOR DEFLECTIONS ARE AS FOLLOWS:
   DL+LL = L/240
   LL = L/360 TYPICAL
   LL+SDL = L/600 OR 3/8" CMU SUPPORTING SPANDREL BEAMS
6. BUILDING ALLOWABLE LATERAL DRIFT = L/400

VERTICAL CIRCULATION

2. ROOF SNOW LOAD:
   GROUND SNOW LOAD: Pg = 50 PSF
   SNOW EXPOSURE FACTOR: Ce = 1.0
   SNOW IMPORTANCE FACTOR: I = 1.0
   THERMAL FACTOR: Ct = 1.2
   FLAT ROOF SNOW LOAD: Pf = 42 PSF
   SNOW DRIFT HAS BEEN CONSIDERED WHERE APPLICABLE.
3. WIND LOADS:
   RISK CATEGORY: II
   BASIC DESIGN WIND SPEED: 115 MPH
   WIND EXPOSURE CATEGORY: C
   INTERNAL PRESSURE COEFFICIENT: 0.18
   COMPONENTS & CLADDING MINIMUM PRESSURE: 20 PSF
4. SEISMIC LOADS:
   SEISMIC USE GROUP 1
   SPECTRAL RESPONSE COEFFICIENTS:
   S_{DS} = 0.064g, S_{D1} = .0438g
   SITE CLASS: D
   BASIC SEISMIC-FORCE-RESISTING SYSTEM:
   ORDINARY STEEL MOMENT FRAMES
   DESIGN BASE SHEAR: 0.02W
   SEISMIC DESIGN CATEGORY A
   MODIFICATION FACTOR, R = 3.5
5. DEFLECTION CRITERIA:
   ALLOWABLE DESIGN FLOOR DEFLECTIONS ARE AS FOLLOWS:
   DL+LL = L/240
   LL = L/360 TYPICAL
   LL+SDL = L/600 OR 3/8" CMU SUPPORTING SPANDREL BEAMS
6. BUILDING ALLOWABLE LATERAL DRIFT = L/400

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
STATIONS
STRUCTURAL GENERAL NOTES

DISCIPLINE: STRUCTURES

SHEET NAME: E0-STR-GEN-001

SHEET 10 OF 510

Jan, 14 2016 11:33 am K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\OVERALL\PLAN SHEETS\STRUCTURES\E0-STR-GEN-001_VOL 11C.dwg By: jordanl

PIPING SYMBOLS

- F — FIRE PROTECTION WATER SERVICE
- FS — FIRE SPRINKLER
- SW — SANITARY WASTE (BELOW GRADE)
- SW — SANITARY WASTE (ABOVE GRADE)
- SD — STORM DRAIN (BELOW GRADE)
- RWL — RAINWATER CONDUCTOR/LEADER OR STORM DRAIN (ABOVE GRADE)
- CD — CONDENSATE DRAIN
- D — DRAIN
- PD — PUMPED DRAIN
- V — ABOVE FLOOR VENT
- V — VENT
- V — UNDERFLOOR VENT
- DW — DOMESTIC WATER
- CW — COLD WATER
- HW — HOT WATER
- RCW — RECIRCULATING HOT WATER
- TW — TEMPERED WATER
- RLL — REFRIGERANT LIQUID
- RSL — REFRIGERANT SUCTION
- RHG — REFRIGERANT HOT GAS

VALVES FITTINGS APPURTENANCES

- UNION
- SHUT OFF VALVE
- GATE VALVE
- OUTSIDE STEM YOKE VALVE
- CHECK VALVE
- BALANCING VALVE
- SOLENOID VALVE
- 2 WAY CONTROL VALVE
- 3 WAY CONTROL VALVE
- THERMOSTATIC MIXING VALVE
- PRESSURE REGULATING VALVE
- WATER REGULATING VALVE
- BALL VALVE
- BUTTERFLY VALVE
- TEMPERATURE PRESSURE RELIEF VALVE
- BACKFLOW PREVENTER
- REDUCED PRESSURE BACKFLOW PREVENTER
- PIPE ANCHOR
- PIPE GUIDE
- FLOW MEASURING STATION
- STRAINER
- FLEXIBLE PIPE CONNECTOR
- SHOCK ABSORBER

- PRESSURE GAUGE
- THERMOMETER
- FLOOR SINK
- AREA DRAIN, FLOOR DRAIN, ROOF DRAIN
- CD — CEILING WALL CLEANOUT
- CD — FLOOR CLEANOUT
- CAPPED PIPE
- DIRECTION OF FLOW
- TOP TAKE OFF
- RISER
- BOTTOM TAKE OFF
- PIPE DROP
- PIPE RISE
- TRENCH DRAIN

CODE MANUALS AND STANDARDS AS THEY APPLY

1. AMERICAN NATIONAL STANDARD INSTITUTE (ANSI);
2. AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS (ASHRAE);
3. AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME);
4. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) PUBLICATIONS;
5. CITY CODES;
6. COUNTY ORDINANCES;
7. INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC) STANDARDS;
8. INTERNATIONAL BUILDING CODE (IBC) PUBLICATIONS;
9. INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE), ADDITIONAL ELECTRICAL SAFETY CODE (NESC) STANDARDS;
10. INTERNATIONAL ORGANIZATION FOR STANDARDIZATION (ISO);
11. MINNESOTA STATE BUILDING CODE (MSBC);
12. MINNESOTA PLUMBING CODE 2012;
13. MINNESOTA MECHANICAL CODE 2015;
14. MINNESOTA ENERGY CODE 2015;
15. NATIONAL ELECTRICAL CODE (NEC);
16. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATIONS (NEMA) STANDARDS;
17. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) PUBLICATIONS

PLUMBING GENERAL NOTES:

1. NEW/RELOCATED, BURIED, PRESSURIZED FERROUS PIPING SYSTEMS REQUIRE CATHODIC PROTECTION.
2. ALL CATHODICALLY PROTECTED MAINS SHALL HAVE A DIELECTRIC EXTERNAL COATING SYSTEM MADE FOR BELOW GRADE APPLICATIONS.
3. POLYWRAP SHALL NOT BE USED ON CATHODICALLY PROTECTED MAINS.
4. ALL CASINGS SHALL BE ISOLATED FROM THE CARRIER PIPE.
5. ALL CATHODICALLY PROTECTED PIPE SHALL BE ELECTRICALLY ISOLATED FROM NON-CATHODICALLY PROTECTED MAINS AT ALL TIE-INS INCLUDING SERVICE CONNECTIONS.
6. ALL CATHODICALLY PROTECTED PIPE SHALL BE ELECTRICALLY ISOLATED FROM PIPING INSIDE NEW STRUCTURES BY INSTALLATION OF INSULATED FITTINGS INSIDE THE STRUCTURE AS CLOSE AS PRACTICAL TO THE POINT OF ENTRY OF THE PIPE INTO THE STRUCTURE.

ABBREVIATIONS

ABV	ABOVE	FRP	FIBERGLASS REINFORCED PIPE	S	SOUTH
AC	AIR CONDITIONING	FT	FOOT OR FEET	SP	SUMP PUMP
ACU	AIR CONDITIONING UNIT	FUT	FUTURE	SPLY	SUPPLY
AFC	ABOVE FINISHED CEILING	GA	GAUGE GAGE	SPEC	SPECIFICATION
AFF	ABOVE FINISHED FLOOR	GEN	GENERAL	SQ	SQUARE
AHU	AIR HANDLING UNIT	GFCI	GROUND-FAULT CIRCUIT INTERRUPTER	SS	STAINLESS STEEL
APPROX	APPROXIMATE	GPM	GALLONS PER MINUTE	ST	SUMP TANK
ARCH	ARCHITECT ARCHITECTURAL	GR	GRADE GROUND	STD	STANDARD
BFF	BELOW FINISHED FLOOR	H	HIGH, HEIGHT	SYS	SYSTEM
BFV	BUTTERFLY VALVE	HC	HEATING COIL	T	THERMOSTAT
BG	BELOW GRADE	HORIZ	HORIZONTAL	TD	TEMPERATURE DIFF AND TRENCH DRAIN
BHP	BRAKE HORSEPOWER	ID	INSIDE DIMENSION	TEMP	TEMPERATURE
BEL, BLW	BELOW	IBS	IN BEAM SPACE	XFR	TRANSFER
BOD	BOTTOM OF DUCT ELEVATION A F F	IJS	IN JOIST SPACE	THRU	THROUGH
BOP	BOTTOM OF PIPE ELEVATION A F F	I E	INVERT ELEVATION	TO	TAKE OFF, TOP OF
BOT	BOTTOM	L AV	LAVATORY	TOD	TOP OF DUCT ELEVATION A F F
CA	COMPRESSED AIR	L B	POUND	TOP	TOP OF PIPE ELEVATION A F F
CC	COOLING COIL	LF	LINEAL FEET	T & P	TEMPERATURE AND PRESSURE
CFH	CUBIC FEET PER HOUR	LG	LONG OR LENGTH	T STAT	THERMOSTAT
CFM	CUBIC FEET PER MINUTE	MAX	MAXIMUM	TYP	TYPICAL
CI	CAST IRON	MBH	1000 BTU PER HOUR	U F	UNDERFLOOR
CL	CENTER LINE	MFG	MANUFACTURER	UG	UNDERGROUND
CLG	CEILING	MIN	MINIMUM	UR	URINAL
CPRSR	COMPRESSOR	MS	MOP SINK	V	VENT
CO	CLEANOUT	MTR	MOTORIZED, MOTOR	VERT	VERTICAL
COND	CONDENSATE	N	NORTH	VFD	VARIABLE FREQUENCY DRIVE
CONN	CONNECTION	NO.	NUMBER	VTR	VENT THRU ROOF
CONSTR	CONSTRUCTION	NTS	NOT TO SCALE	W	WEST
CONT	CONTINUED, CONTINUOUS	OA	OUTSIDE AIR	WC	WATER CLOSET
CONTR	CONTRACTOR	O.C.	ON CENTER	WH	WALL HYDRANT
COOL	COOLING	OD	OUTSIDE DIMENSION	WT	WEIGHT
CU	CONDENSING UNIT	OPNG	OPENING	W/	WITH
CW	COLD WATER	ORD	OVERFLOW ROOF DRAIN	W /O	WITHOUT
DR	DRAIN	P	PUMP, PUMPED		
DT	DRIP TRAP	PD	PRESSURE DIFFERENCE		
DEMO	DEMOLITION	PRV	PRESSURE REGULATING VALVE		
D	DIAMETER	PSI	POUNDS PER SQUARE INCH		
DN	DOWN	PSIG	PSI GAUGE		
E	EAST	PVC	POLYVINYL CHLORIDE		
EA	EACH	RA	RETURN AIR		
ELEC	ELECTRIC	RAD	RADIATOR, RADIUS		
EL	ELEVATION	RCVR	RECEIVER		
ENCL	ENCLOSURE	RET	RETURN		
EWH	ELECTRIC WATER HEATER/ ELECTRIC WALL HEATER	RD	ROOF DRAIN		
		RECIRC	RECIRCULATING		
EXP T	EXPANSION TANK	REQD	REQUIRED		
EXP	EXPANSION	RHW	RECIRCULATING HOT WATER		
EXST	EXISTING	RL	REFRIGERANT LIQUID		
FD	FLOOR DRAIN	RND	ROUND		
F.F. EL	FINISHED FLOOR ELEVATION	RPM	REVOLUTIONS PER MINUTE		
FLR	FLOOR	RWL	RAIN WATER LEADER		
FPM	FEET PER MINUTE				

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
STATIONS
PLUMBING SYMBOLS AND ABBREVIATIONS

DISCIPLINE: PLUMBING

SHEET NAME: E0-PLM-GEN-001

SHEET 11 OF 510

DRAINAGE FIXTURE UNITS

	LAV	TOILET	MOP SINK	FD	URINAL
QUANTITY	1	1	1	1	1
D.F.U.	1	6	3	4	6
TOTAL D.F.U.	1	6	3	4	6
TOTAL DRAINAGE FIXTURE UNITS: 20 D.F.U.					

SUPPLY FIXTURE UNITS

	LAV	TOILET	MOP SINK	WH	URINAL
QUANTITY	1	1	1	1	1
FIXTURE UNIT	1.5 1.5	10	1.5 1.5	5	6
TOTAL FIXTURE UNITS	1	10	1	5	6
TOTAL DEMAND: CW = 23 F.U. ; HW = 3 F.U.					

ELECTRIC POINT OF USE WATER HEATER

UNIT NO.	LOCATION	MANUFACTURER MODEL NO.	WATTS	TANK GAL.	ELECTRICAL VOLTS	ELECTRICAL PH	FULL LOAD AMPS	REMARKS
EWH-1	RESTROOM	RHEEM, EGSP2	2000	6	120	1	16.7	5 GAL ACCEPTABLE
EWH-2	DRIVER AMENITIES RESTROOM	RHEEM, RTE9	9000	--	240	3	38	TANKLESS

AREA AND ROOF DRAIN SCHEDULE

TAG	DESCRIPTION	DRAIN SIZE	STRAINER MATERIAL	LOCATION	BASIS OF DESIGN	REMARKS
AD-1	FLOOR DRAIN	VARIES	NICKEL BRONZE	VARIOUS	JAY R SMITH MODEL 2010	ROUND STRAINER; HEEL PROOF; UNDER DECK CLAMP.
RD	ROOF DRAIN	VARIES	ROUGH BRONZE	ROOF	JAY R SMITH MODEL 1310	VANDAL PROOF.
ORD	OVERFLOW ROOF DRAIN	VARIES	ROUGH BRONZE	ROOF	JAY R SMITH MODEL 1310	VANDAL PROOF; 2-INCH WATER DAM.
SRD	SCUPPER ROOF DRAIN	VARIES	NICKEL BRONZE	ROOF	JAY R SMITH MODEL 1510T	ANGLE GRATE
SORD	SCUPPER OVERFLOW ROOF DRAIN	VARIES	NICKEL BRONZE	ROOF	JAY R SMITH MODEL 1510T	ANGLE GRATE
TD-1	TRENCH DRAIN	4"	STAINLESS STEEL	PLATFORM	JAY R SMITH MODEL 9814	6" WIDE, PRECAST POLYMER CONCRETE TRENCH. PROVIDE WITH HEEL PROOF GRATES.
PD-1	PROMENADE DECK DRAIN	4"	NICKEL BRONZE	PLATFORM	JAY R SMITH MODEL 1470	8-INCH SQUARE STRAINER; HEEL PROOF; UNDER DECK CLAMP.

PLUMBING FIXTURE SCHEDULE

TAG	TYPE	WASTE	VENT	CW	HW	BASIS OF DESIGN	REMARKS
WH-1	WALL HYDRANT	--	--	¾"	--	WOODFORD MODEL B65	
LAV-1	LAVATORY	11/2"	11/2"	¾"	¾"	AMERICAN STANDARD - LUCERNE	WALL HUNG; AMERICAN STANDARD RELIANT FAUCET
MS-1	MOP SINK	3"	11/2"	¾"	¾"	MUSTEE MODEL 62M	FLOOR MOUNT, 24x24x8 1/4"; CHICAGO FAUCET 835-CP
WC-1	WATER CLOSET	4"	2"	1 1/2"	--	AMERICAN STANDARD - AFWALL	WALL HUNG; SLOAN 110-111 FLUSHOMETER
UR-1	URINAL	2"	11/2"	¾"	--	AMERICAN STANDARD - TRIMBROOK	WALL HUNG; SLOAN ROYAL 186 FLUSHOMETER
FD-1	FLOOR DRAIN	3"	11/2"	--	--	JAY R SMITH 2010	ROUND NICKEL BRONZE STRAINER
--	TRAP PRIMER	--	--	--	--	JAY R SMITH 2699	INSTALL AT LAV CW SUPPLY
--	STANDPIPE	3"	11/2"	--	--		6" PIPE; 24" LONG CONNECTED TO 3" TRAP AND DRAIN
WC-2	WATER CLOSET	4"	2"	1 1/2"	--	AMERICAN STANDARD - MADERA 3043.001	FLOOR MNT; SLOAN 110-111 FLUSHOMETER

DIA. OF STORM DRAIN, INCHES	DRAINAGE AREA
3	822
4	1,880
5	3,340
6	5,350
8	11,500
10	20,700

SUMP TANK

ITEM NO.	LOCATION	SERVING	TYPE	BASIN MATERIAL	SIZE DIA. IN.	SIZE DEPTH IN.	INLETS NO.	INLETS SIZE IN.	INLETS ABV. BOT. IN.	OUTLETS NO.	OUTLETS SIZE IN.	OUTLETS ABV. BOT. IN.	COVER MATERIAL	REMARKS
ST-1	OUTSIDE ELEVATOR PIT	ELEV PIT DRAINAGE	PREFABRICATED	FIBERGLASS	24	90	1	4	30	1	2	48	NON-CORROSIVE	
ST-2	OUTSIDE ELEVATOR PIT	ELEV PIT DRAINAGE	PREFABRICATED	FIBERGLASS	24	90	1	4	30	1	2	48	NON-CORROSIVE	

SUMP PUMP

BASIS OF DESIGN: ZOELLER

ITEM NO.	LOCATION	SERVING	MODEL	TYPE	PUMP GPM EACH	PUMP DISCH. HD FT	PUMP DISCH. SIZE IN	MOTOR HP	MOTOR RPM	MOTOR ELECTRICAL CHARACTERISITCS	ACCESSORIES	REMARKS
SP-1	ELEVATOR SUMP	ELEV PIT DRAINAGE	F4186	SIMPLEX	50	25	2	1 1/2	3450	230/3/60	(3) 10-0743 FLOATS, HIGH WATER ALARM MODEL 10-1082 CONTROL PANEL	(1) ELECTRICAL CIRCUIT, SINGLE SEAL PUMP

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
STATIONS
PLUMBING SCHEDULES

DISCIPLINE: PLUMBING

SHEET NAME: E0-PLM-SCH-001

SHEET 12 OF 510

DUCTWORK SYMBOLS

- FD — FIRE DAMPER
- FSD — COMBINATION SMOKE FIRE DAMPER
- SUPPLY DUCT UP
- RETURN OR EXHAUST DUCT UP
- SUPPLY DUCT DOWN
- RETURN OR EXHAUST DUCT DOWN
- M — MOTORIZED DAMPER
- B — BACKDRAFT DAMPER
- OPPOSED BLADE
- PARALLEL BLADE
- VOLUME DAMPER
- SUPPLY AIR DIFFUSER
- RETURN OR EXHAUST AIR GRILLE
- 10ø — ROUND DUCT
- 10 12 — RECTANGULAR DUCT FIRST FIG IS SIDE SHOWN
- MANUAL BALANCING DAMPER
- FLEXIBLE DUCT CONNECTION
- AP — ACCESS PANEL SIZE AS REQUIRED
- SQUARE TURN DUCT ELBOW WITH TURNING VANES
- RADIUS DUCT ELBOW WITH RADIUS 1 5 X WIDTH OF SIDE SHOWN
- CONICAL BRANCH TAKE OFF CONNECTION
- 45 D ENTRY BRANCH TAKE OFF CONNECTION WITH FILLER PIECES AT CORNERS
- RIGID SHEET METAL BRANCH DUCT WITH FLEXIBLE AIR DUCT EXTENSION TO DIFFUSER
- TRANSITION 20 D MAXIMUM ANGLE
- ACOUSTICALLY LINED DUCT

DIFFUSER DESIGNATION CODE

D
24x24
1000

- INDICATES DIFFUSER OR GRILLE TYPE
- INDICATES NECK SIZE DIAMETER IN INCHES OR SQUARE DIFFUSER SIZE IN INCHES
- INDICATES CFM

GENERAL SYMBOLS

- 3 — NUMBERED NOTE
- KEY NOTE
- 103 — ROOM NUMBER
- 1 — REVISION NO 1
- ø — DIAMETER OR ROUND
- @ — AT
- ∠ — ANGLE

CONTROL SYMBOLS

- T — THERMOSTAT OR TEMPERATURE SENSOR
- H — HUMIDISTAT OR HUMIDITY SENSOR
- S — TEMPERATURE SENSOR
- CO — CARBON MONOXIDE SENSOR
- $ — TIMER SWITCH
- SP — STATIC PRESSURE SENSOR

CODE MANUALS AND STANDARDS AS THEY APPLY

1. AMERICAN NATIONAL STANDARD INSTITUTE (ANSI);
2. AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS (ASHRAE);
3. AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME);
4. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) PUBLICATIONS;
5. CITY CODES;
6. COUNTY ORDINANCES;
7. INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC) STANDARDS;
8. INTERNATIONAL BUILDING CODE (IBC) PUBLICATIONS;
9. INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE), ADDITIONAL ELECTRICAL SAFETY CODE (NESC) STANDARDS;
10. INTERNATIONAL ORGANIZATION FOR STANDARDIZATION (ISO);
11. MINNESOTA STATE BUILDING CODE (MSBC);
12. MINNESOTA PLUMBING CODE 2012;
13. MINNESOTA MECHANICAL CODE 2015;
14. MINNESOTA ENERGY CODE 2015;
15. NATIONAL ELECTRICAL CODE (NEC);
16. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATIONS (NEMA) STANDARDS;
17. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) PUBLICATIONS

DESIGN CONDITIONS

DESIGN AREA	DESIGN TEMPERATURE (DEGREE F)			
	SUMMER		WINTER	
	DB	WB	DB	WB
INDOOR	75	XX	68	XX
AMBIENT	108	88	-40	XX

ABBREVIATIONS

ABV	ABOVE
AC	AIR CONDITIONING
ACU	AIR CONDITIONING UNIT
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECT ARCHITECTURAL
AS	AIR SEPARATOR
BD	BLOWDOWN
BFF	BELOW FINISHED FLOOR
BFV	BUTTERFLY VALVE
BG	BELOW GRADE
BHP	BRAKE HORSEPOWER
BEL, BLW	BELOW
BOD	BOTTOM OF DUCT ELEVATION A F F
BOP	BOTTOM OF PIPE ELEVATION A F F
BOT	BOTTOM
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
CA	COMPRESSED AIR
CC	COOLING COIL
CLG DIFF	CEILING DIFFUSER
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CI	CAST IRON
CL	CENTER LINE
CLG	CEILING
CPRSR	COMPRESSOR
COND	CONDENSATE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUED, CONTINUOUS
CONTR	CONTRACTOR
COOL	COOLING
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
DIFF	DIFFUSER
DR	DRAIN
DT	DRIP TRAP
DEMO	DEMOLITION
D	DIAMETER
DMPR	DAMPER
DN	DOWN
E	EAST
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EF	EXHAUST FAN
ELEC	ELECTRIC
EL	ELEVATION
EUH	ELECTRIC UNIT HEATER
ENCL	ENCLOSURE
EXH RG	EXHAUST REGISTER
ESP	EXTERNAL STATIC PRESSURE
EXP T	EXPANSION TANK
EXH	EXHAUST
EXP	EXPANSION
EXST	EXISTING
FA	FREE AREA
FDMPR	FIRE DAMPER
F.F. EL	FINISHED FLOOR ELEVATION
FLR	FLOOR
FPM	FEET PER MINUTE
FRP	FIBERGLASS REINFORCED PIPE
FT	FOOT OR FEET
FUT	FUTURE
GA	GAUGE GAGE
GEN	GENERAL
GFCI	GROUND-FAULT CIRCUIT INTERRUPTER
GPM	GALLONS PER MINUTE
GR	GRADE GROUND
GRL	GRILLE
GV	GRAVITY VENT
H	HIGH, HEIGHT
HC	HEATING COIL
HD GR	HEAVY DUTY GRILLE
RHG	REFRIGERANT HOT GAS
HORIZ	HORIZONTAL
HTR	HEATER
H STAT	HUMIDISTAT
HVAC	HEAT VENTILLATION & AIR CONDITIONER
ID	INSIDE DIMENSION
IBS	IN BEAM SPACE
IJS	IN JOIST SPACE
I E	INVERT ELEVATION
RL	REFRIGERANT LIQUID
LAT	LEAVING AIR TEMPERATURE
L AV	LAVATORY
L B	POUND
L D	LINEAR DIFFUSER
LF	LINEAL FEET
LG	LONG OR LENGTH
LSD	LINEAR SLOT DIFFUSER
MAU	MAKE UP AIR UNIT
MAX	MAXIMUM
MBH	1000 BTU PER HOUR
MFG	MANUFACTURER
MIN	MINIMUM
MTR	MOTORIZED, MOTOR
N	NORTH
NO.	NUMBER
NTS	NOT TO SCALE
OA	OUTSIDE AIR
O.C.	ON CENTER
OD	OUTSIDE DIMENSION
OPNG	OPENING
ORD	OVERFLOW ROOF DRAIN
P	PUMP, PUMPED
PD	PRESSURE DIFFERENCE
PRV	POWER ROOF VENTILATOR
PRV	PRESSURE REGULATING VALVE
PSI	POUNDS PER SQUARE INCH
PSIG	PSI GAUGE
PVC	POLYVINYL CHLORIDE
RA	RETURN AIR
RAD	RADIATOR, RADIUS
RCP	REFLECTED CEILING PLAN
RCVR	RECEIVER
RET	RETURN
RD	ROOF DRAIN
RECIRC	RECIRCULATING
REQD	REQUIRED
RH	RELATIVE HUMIDITY
RHW	RECIRCULATING HOT WATER
RND	ROUND
RPM	REVOLUTIONS PER MINUTE
RTU	ROOFTOP UNIT
S	SOUTH
SA	SUPPLY AIR
SAD	SUPPLY AIR DUCT
SD	SLOT DIFFUSER
SF	SUPPLY FAN
SPLY	SUPPLY
SP	STATIC PRESSURE
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
SYS	SYSTEM
T	THERMOSTAT, TEMPERATURE DIFF
TD	TEMPERATURE DIFF
TEMP	TEMPERATURE
XFR	TRANSFER
THRU	THROUGH
TO	TAKE OFF, TOP OF
TOD	TOP OF DUCT ELEVATION A F F
TOP	TOP OF PIPE ELEVATION A F F
T & P	TEMPERATURE AND PRESSURE
T STAT	THERMOSTAT
TST PR	TOTAL STATIC PRESSURE
TYP	TYPICAL
U F	UNDERFLOOR
UH	UNIT HEATER
UG	UNDERGROUND
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
W	WEST
WT	WEIGHT
W/	WITH
W /O	WITHOUT

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
STATIONS
MECHANICAL SYMBOLS AND ABBREVIATIONS

DISCIPLINE: MECHANICAL

SHEET NAME: E0-MEC-GEN-001

SHEET 13 OF 510

BASIS OF DESIGN: TITUS

GRILLE, REGISTER & DIFFUSER SCHEDULE

MARK	MANUFACTURER	MODEL	TYPE	BORDER	SIZE	NECK SIZE	USE	REMARKS
A	TITUS	355R	GRILLE	TYPE 1	SEE DWG	SEE DWG	RETURN	
B	TITUS	355R	GRILLE	TYPE 1	SEE DWG	SEE DWG	RETURN	ALUMINUM
C	TITUS	TMS	DIFFUSER	N/A	SEE DWG	SEE DWG	SUPPLY	
D	TITUS	301RL	REGISTER	TYPE 1	SEE DWG	SEE DWG	SUPPLY	

BASIS OF DESIGN: CARRIER

AIR CONDITIONING UNIT

UNIT NO	SERVES	MFR.	MODEL NO	SUPPLY CFM	OUTSIDE AIR CFM	TSP. INCHES WG	ESP. INCHES WG	SUPPLY FAN		SUPPLY MOTOR		DX COOLING								WEIGHT (LB.)	NOTES:
								BHP	HP	ELECTRICAL	RPM	REFRIG. TYPE	TOTAL MBH	SENS. MBH	E.A.T. DB	E.A.T. WB	L.A.T. DB	L.A.T. WB	FILTERS		
ACU -1	HOISTWAY	CARRIER	42BHE162D4L61516DE	1500	N/A	.91	.5	.55	.75	208 V	1086	410A	62.85	35.13	75	67	53.6	53.3	MERV8	293	1,2,3
ACU -2	EMR	CARRIER	40GV018/38GVC018	471	N/A	N/A	.5	FRAC	FRAC	208 V	1400	410A	N/A	18	XX	XX	XX	XX	CLEANABLE	26.4	1,2,3
ACU -3	HOISTWAY	CARRIER	42BHE162D4L61516DE	1500	N/A	.91	.5	.55	.75	208 V	1086	410A	62.85	35.13	75	67	53.6	53.3	MERV8	293	1,2,3
ACU -4	EMR	CARRIER	40GV018/38GVC018	471	N/A	N/A	.5	FRAC	FRAC	208 V	1400	410A	N/A	18	XX	XX	XX	XX	CLEANABLE	26.4	1,2,3

NOTES:
1. HUNG FROM DECK WITH VIBRATION ISOLATION.
2. FUSED DISCONNECT BY DIV 16
3. FILTERS MUST BE EASILY ACCESSIBLE

BASIS OF DESIGN: CARRIER

AIR CONDITIONING CONDENSER

UNIT NO.	LOCATION	MFR/MODEL NO.	CAPACITY		REFRIGERANT TYPE	AMB. TEMP. °F	COND. FAN HP	MINIMUM CIRCUIT AMPACITY	ELECTRICAL		WEIGHT (LB.)	NOTES
			TOTAL MBH	NOM. TONS					VOLTS	PH		
CU -1	UNDER STAIR	CARRIER 24AHA448A005	48	4	R-410a	108	FRAC	XX	208	3	213	1,3,4
CU -2	HUNG UNDER STAIR	CARRIER 38GVC018	18	1.5	R-410a	108	FRAC	15	208	3	112.2	1,2,3
CU -3	UNDER STAIR	24AHA448A005	48	4	R-410a	108	FRAC	XX	208	3	213	1,3,4
CU -4	HUNG UNDER STAIR	CARRIER 38GVC018	18	1.5	R-410a	108	FRAC	15	208	3	112.2	1,2,3

NOTES:
1. STAND ALONE FUSED DISCONNECT BY DIVISION 16
2. MOUNT ABOVE TRANSFORMER.
3. HORIZONTAL CONFIGURATION
4. MOUNTED ON 4-INCH HOUSEKEEPING PAD

BASIS OF DESIGN: DIVERSITECH

CONDENSATE PUMPS

ITEM NO.	DESCRIPTION	LOCATION	MANUFACTURER	MODEL	FLUID	GPM EACH	TOTAL HD FT	MOTOR HP	RPM	TYPE	VOLTS/PH	WEIGHT (LB.)	REMARKS
CP-1	CLEAR VUE PUMP	LOBBY	DIVERSITECH	IQP120	WATER	1.6	< 1	FRAC	XX	XX	120/3	5.43	1,2,3
CP-2	CLEAR VUE PUMP	LOBBY	DIVERSITECH	IQP120	WATER	1.6	< 1	FRAC	XX	XX	120/3	5.43	1,2,3

NOTES:
1. VARIABLE SPEED.
2. SELF CLEANING
3. FLOATLESS

BASIS OF DESIGN:

ELECTRIC HEATERS

UNIT NO.	LOCATION	MANUF MODEL	TYPE	ELECTRICAL DATA				WEIGHT (LB.)	REMARKS
				VOLTS	PHASE	AMPS	KW		
EUH -1	ELEVATOR MECH RM	BERKO HUHAA320	UNIT HEATER	208	1	14.5	3	24	1,2,3
EUH -2	ELEVATOR MECH RM	BERKO HUHAA320	UNIT HEATER	208	1	14.5	3	24	1,2,3
EDH -1	AMENITY	INDEECO	DUCT HEATER	208	1	X	4	X	OPEN COIL
EBH -1	AMENITY	MARLEY OBD	BASEBOARD	208	1	VARIES	VARIES	VARIES	4
CUH -1	ELEVATOR PIT	INDEECO,922U12000U	CABINET UNIT HEATER	480	3	17.2	8-12	146	RECESSED

NOTES:
1. STAND ALONE FUSED DISCONNECT BY DIVISION 16
2. UNIT HEATER HUNG AT X FT AFF
3. HORIZONTAL CONFIGURATION
4. SEE MECHANICAL DRAWINGS FOR SIZES AND LOCATIONS.

BASIS OF DESIGN: LOREN COOK

EXHAUST FANS

FAN NO.	LOCATION	SERVES	MANUFACTURER MODEL NO	CFM	TOTAL STATIC PRESS	FAN RPM	OUTLET VELOCITY	TYPE	DRIVE	BHP	HP	ELECTRICAL			WEIGHT (LB.)	NOTES
												VOLTS	PH	FLA		
EF -1	BRIDGE LOBBY	BRIDGE LOBBY	COOK 60SQN-B	150	.5	1919	171	INLINE	BELT	0.12	1/4	115	1	5.8	50	1,2
EF -2	PLATFORM LOBBY	PLATFORM LOBBY	COOK 60SQN-B	100	.5	1625	XX	INLINE	BELT	0.08	1/4	115	1	5.8	50	1,2,3
EF -3	LOBBY-BRIDGE LVL	LOBBY-BRIDGE LVL	60SQN-B	150	.5	1919	171	INLINE	BELT	0.12	1/4	115	1	5.8	50	1,2
EF -4	LOBBY-PLTFM LVL	LOBBY-PLTFM LVL	60SQN-B	100	.5	1625	XX	INLINE	BELT	0.08	1/4	115	1	5.8	50	1,2,3

NOTES:
1. STAND ALONE FUSED DISCONNECT BY DIVISION 16
2. MOUNTED FROM DECK
3. MOUNTED ON BRACKET STAND.

BASIS OF DESIGN: RENEW AIRE

ENERGY RECOVERY VENTILATORS

UNIT NO.	LOCATION	SERVING	TYPE	MODEL NO. *	OUT. AIR TEMP. F°		EXH. AIR TEMP. F°		% EFFECTIVENESS			AIRFLOW CFM	PRESS. DROP " W.G.	NO. OF MOTORS	H.P. EACH	BLOWER DRIVE	ELECTRICAL		FILTER TYPE	WEIGHT (LB.)	ACCESSORIES	REMARKS
					ENT.	LVG.	ENT.	LVG.	SENSIBLE	WINTER ENTHALPIC	SUMMER ENTHALPIC						VOLTS	PH.				
ERV -1	DRIVER AMENITY	DRIVER AMENITY	STATIC PLATE	EV200	-40	43.5	68	X	77	72	58	180	.3	1	.1	X	120	1	MERV 8	70	BACKDRAFT DAMPER	FILTER: SPUN POLYESTER

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
STATIONS
MECHANICAL SCHEDULES

DISCIPLINE: MECHANICAL

SHEET NAME: E0-MEC-SCH-001

SHEET 14 OF 510

EXHAUST FANS

FAN NO.	LOCATION	SERVES	MANUFACTURER MODEL NO	CFM	TOTAL STATIC PRESS	FAN RPM	OUTLET VELOCITY	TYPE	DRIVE	BHP	HP	ELECTRICAL		WEIGHT (LB.)	NOTES
												VOLTS	PH		
EF -1	RESTROOM	RESTROOM	COOK 60SQN-B	150	.5	1919	XX	INLINE	BELT	XX	1/4	115	1	50	1,2

NOTES:

1. STAND ALONE FUSED DISCONNECT BY DIVISION 16.
2. MOUNTED FROM DECK.

ELECTRIC HEATERS

UNIT NO.	LOCATION	MANUF MODEL	TYPE	ELECTRICAL DATA				WEIGHT (LB.)	REMARKS
				VOLTS	PHASE	AMPS	KW		
EUH -1	ELEVATOR MECH RM	BERKO HUHAA320	UNIT HEATER	208	1	14.5	3	24	1,2,3

NOTES:

1. STAND ALONE FUSED DISCONNECT BY DIVISION 16.
2. UNIT HEATER.
3. HORIZONTAL CONFIGURATION
4. SEE MECHANICAL DRAWINGS FOR SIZES AND LOCATIONS.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
STATIONS
MECHANICAL SCHEDULES FOR DRIVER AMENITIES

DISCIPLINE: MECHANICAL

SHEET NAME: E0-MEC-SCH-003

SHEET 15 OF 510

HVAC CONTROL SEQUENCES

ELEVATOR LOBBY EXHAUST (EF)CONTROL SEQUENCE

EXHAUST FAN (EF–) IS CONTROLLED BY TEMPERATURE SENSOR LOCATED AT EXHAUST GRILL.

UPON SENSOR READING 800°F, THE EXHAUST FAN ENGAGES. WHEN THE TEMPERATURE SENSOR READS LESS THAN 800/F, THE EXHAUST FAN SHUTS OFF.

ELEVATOR HOISTWAY CONTROL SEQUENCE

THE AIR–CONDITIONING UNIT FAN IS CONTINUOUSLY ENGAGED.

AIR–CONDITIONING UNIT (ACU–) COOLING IS CONTROLLED BY A TEMPERATURE SENSOR IN THE HOISTWAY RETURN GRILL.

WHEN THE TEMPERATURE SENSOR SENSES A RETURN TEMPERATURE GREATER THAN 750°F, THE AIR–CONDITIONING UNIT ENGAGES THE DX COOLING. WHEN THE TEMPERATURE IS SATISFIED, THE DX COOLING STOPS AND THE ACU FAN STOPS.

THE ELEVATOR HOISTWAY HEATING IS PROVIDED BY ELECTRIC CABINET UNIT HEATER LOCATED IN THE ELEVATOR PIT. THE HEATING ENGAGES WHEN THE INTERNAL TEMPERATURE SENSOR SENSES TEMPERATURE OF 550°F OR LESS. WHEN THE TEMPERATURE IS SATISFIED, THE ELECTRIC CABINET UNIT HEATER WILL DISENGAGE.

THE ELECTRIC CABINET UNIT HEATER AND ACU–1 ARE INTERLOCKED TO PREVENT SIMULTANEOUS HEATING AND COOLING. WHEN ONE IS ENGAGED THE OTHER IS LOCKED OUT.

ELEVATOR MACHINE ROOM CONTROL SEQUENCE

WHEN THE INTERNAL SENSOR OF THE AIR–CONDITIONING UNIT (ACU–) IN THE ELEVATOR MACHINE ROOM SENSES 750°F OR GREATER, THE ACU DX COOLING AND FAN WILL ENGAGE. WHEN THE TEMPERATURE IS SATISFIED, THE DX COOLING AND FAN WILL ENGAGE. THE DX COOLING IS INTERLOCKED WITH THE ELECTRIC UNIT HEATER TO PREVENT SIMULTANEOUS HEATING AND COOLING. WHEN THE ELECTRIC HEAT OR COOLING IS ENGAGED THE OTHER IS LOCKED OUT.

WHEN THE ELECTRIC UNIT HEATER TEMPERATURE SENSOR SENSES TEMPERATURE LESS THAN 500°F, THE ELECTRIC UNIT HEATER WILL ENGAGE THE HEAT COIL AND THE FAN AND THE ACU WILL BE LOCKED OFF.

BREAKROOM EXHAUST AND ERV CONTROL SEQUENCE

THE EXHAUST FAN IN THE DRIVER AMENITY RESTROOM IN THE VERTICAL CIRCULATION IS CONTROLLED BY THE LIGHT SWITCH. WHEN THE LIGHT SWITCH FOR THE BREAKROOM IS ENGAGED, THE EERV WILL ENGAGE. THE EXHAUST MOTOR AND VENTILATION MOTOR WILL ENGAGE AND STAY ENGAGED UNTIL THE LIGHT SWITCH IS OFF. THE EXHAUST MOTOR AND VENTILATION MOTOR WITHIN THE ERV WILL REMAIN ENGAGED VIA A TIMER UNTIL 15 MINUTES AFTER THE LIGHTS DISENGAGE.

CONTROL SEQUENCE FOR STAND ALONE DRIVER AMENITY BUILDINGS

THE EXHAUST FAN ENGAGES WHEN THE LIGHTS SWITCH ON. THE EXHAUST FAN DISENGAGES WHEN A TIMER COMPLETES 15 MINUTES AFTER THE OVERHEAD LIGHTS SWITCH OFF.

THE BUILDINGS ARE HEATED WITH ELECTRIC BASEBOARD HEATERS CONTROLLED BY A TEMPERATURE SENSOR. WHEN THE TEMPERATURE SENSOR SENSES 550°F OR LESS, THE ELECTRIC BASEBOARD HEATERS WILL ENGAGE. WHEN THE TEMPERATURE IS SATISFIED, THE HEATERS WILL DISENGAGE.

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CIVIL - VOLUME 11C
STATIONS
MECHANICAL CONTROL SEQUENCE

DISCIPLINE: MECHANICAL

SHEET NAME: E0-MEC-SCH-005

SHEET 16 OF 510

CODE SUMMARY - CENTER PLATFORM
DOWNTOWN HOPKINS STATION

CODE REFERENCES

MINNESOTA STATE BUILDING CODE	2015
NFPA 130 – STANDARD FOR FIXED GUIDEWAY TRANSIT AND PASSENGER RAIL SYSTEMS	2014

IBC REVIEW

A. DESCRIPTION
LOCATION: HOPKINS, MN

THE LIGHT RAIL TRANSIT STATION IS A PARTIALLY CANOPIED PLATFORM AREA. IT CONSISTS OF A PLATFORM 270' LONG BY 21'–4" ACCESSED BY A SLOPED WALK AT EACH END OF PLATFORM. PLATFORM IS OPEN TO EXTERIOR ON ALL FOUR SIDES.

TYPICAL PLATFORM AREA: 5760 SQUARE FEET (GROSS AREA)
4264 SQUARE FEET (NET AREA AFTER STRUCTURAL ELEMENTS, FIXTURES AND PERMANENTLY INSTALLED FURNISHINGS ARE REMOVED)

CANOPY COVERAGE AREA AT PLATFORM: = 3904 SQUARE FEET
1952 SQUARE FEET (1 @ 96'–0" X 20'–4") WEST CANOPY
1952 SQUARE FEET (1 @ 96'–0" X 20'–4") EAST CANOPY

B. OCCUPANCY CLASSIFICATION (IBC 2015 SECTION 303.1)

WAITING AREAS IN TRANSPORTATION TERMINALS: GROUP 'A' DIVISION 3
(15 S.F. PER PERSON)

C. OCCUPANCY SEPARATIONS

NONE ARE REQUIRED

D. TYPE OF CONSTRUCTION (IBC 2015 TABLE 601)

TYPE IIB CONSTRUCTION

E. ALLOWABLE BUILDING AREA AND BUILDING HEIGHT (IBC 2015 TABLE 503)

2 STORIES AT 9,500 SQUARE FEET PER STORY

F. IBC EXITING SUMMARY

NO. OF OCCUPANTS = 4264 S.F. / 15 S.F./OCC = 285
REQUIRED EGRESS WIDTH = 285 X 0.2 = 57" (PER 1005.3.2)
WIDTH PROVIDED = 2 RAMPS AT 145" = 290"
2 MEANS OF EGRESS PROVIDED

PLATFORM COLOR AND FINISH SCHEDULE

PRODUCTS AND COLORS LISTED ARE THE BASIS OF DESIGN FOR AESTHETIC/ARCHITECTURAL INTENT. SEE SPECIFICATIONS FOR MATERIAL/PRODUCT REQUIREMENTS.

PLATFORM COLOR AND FINISH SCHEDULE

TYPE	STATION	STRUCTURAL STEEL PAINT COLOR	PLATFORM CONC COLOR	PLATFORM CONC FINISH	CONC WALL COLOR	CONC WALL FINISH	RAILING INFILL MATERIAL	ALUM WDW FRAME FINISH	EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA FINISH	ALUM COMP CANOPY SOFFIT AND FASCIA COLOR	TRANSLUCENT PLASTIC PANEL
CENTER	DOWNTOWN HOPKINS STATION	PPG 518–6 KNIGHT'S ARMOR	CEMSTONE SPLIT ROCK	LIGHT BROOM	CEMSTONE SPLIT ROCK	TBD	GALV STL CABLE	CLEAR ANODIZED	HUNTER DOUGLAS WOODWRIGHT 8434 GREY BARNWOOD CEDAR	ALUCOBOND NATURAL RUSTED METAL	3FORM KODA XT YELLOW Y–03

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

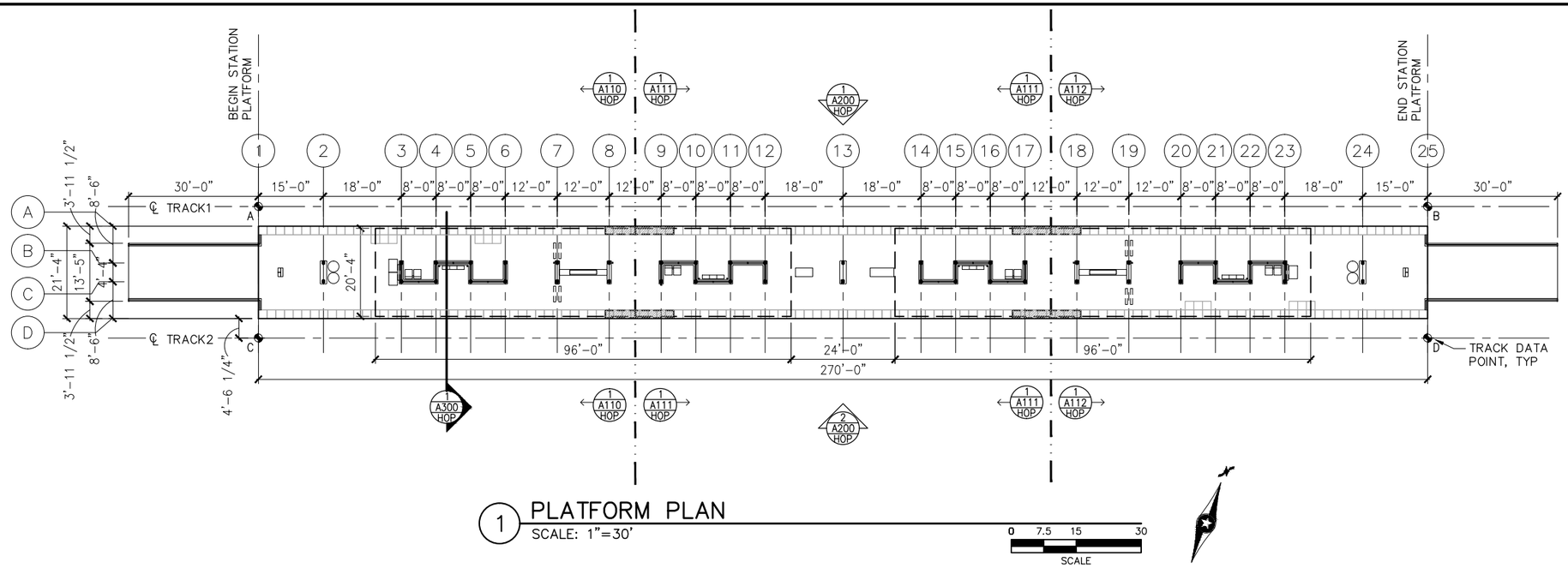
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
CODE SUMMARY / FINISH SCHEDULE

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-HOP-ARC-COD-010

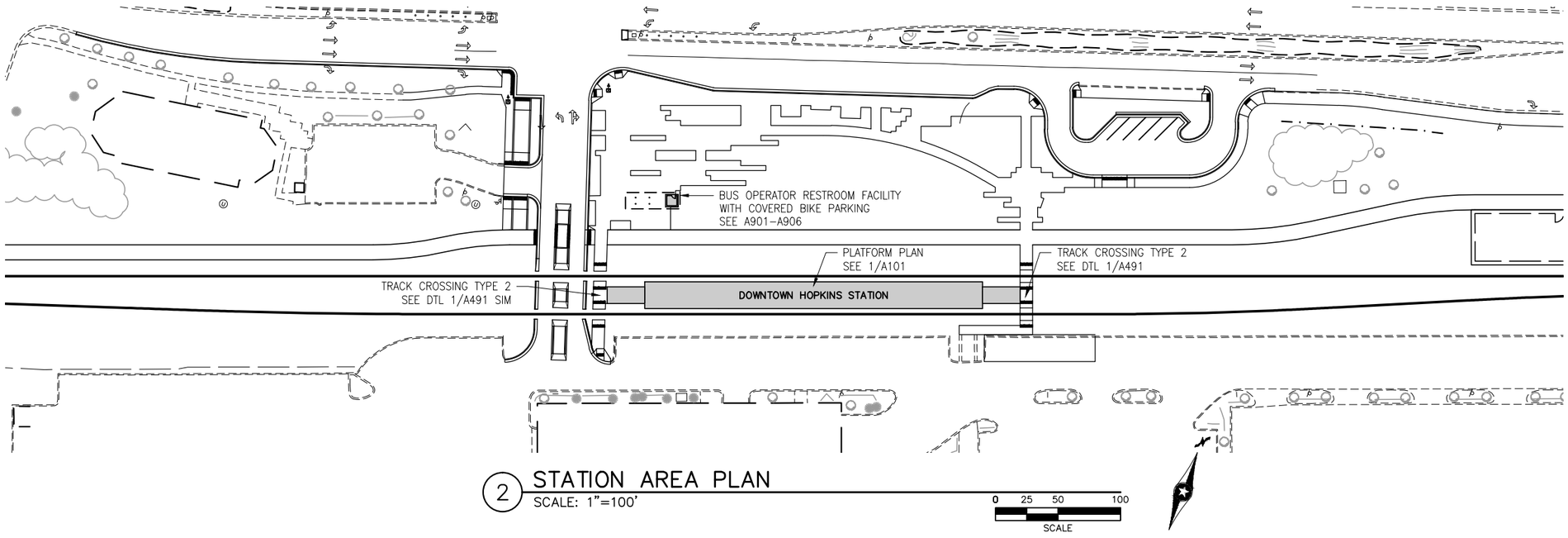
SHEET 17 OF 510

Jan. 18 2016 10:24 am V:\3400_ADC\CAD\segment e1\plan sheets\ARCH\downtown hopkins station\E1-HOP-ARC-COD-010.dwg By: MurphySP



1 PLATFORM PLAN
SCALE: 1"=30'

0 7.5 15 30
SCALE



2 STATION AREA PLAN
SCALE: 1"=100'

0 25 50 100
SCALE

TRACK DATA

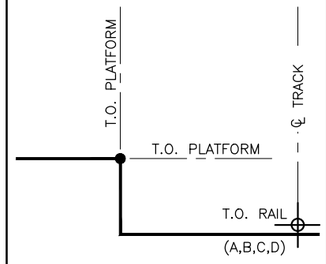
ELEV 100'-0" (LOCATION ON PLAN)

TRACK 1 EL 100'-0"= 923.82 (PT 'A')

POINT	T.O. RAIL ELEVATION	TRACK 1 STATIONING	
A	923.82	1510+77.19	
B	924.31	1513+47.19	

TRACK 2 EL 100'-0"= 923.82 (PT 'C')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING	
C	923.82	2510+77.19	
D	924.31	2513+47.19	



SECTION DIAGRAM AT PLATFORM EDGE
SEE DTL 1/A520
FOR DETAIL AND DIMENSIONS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

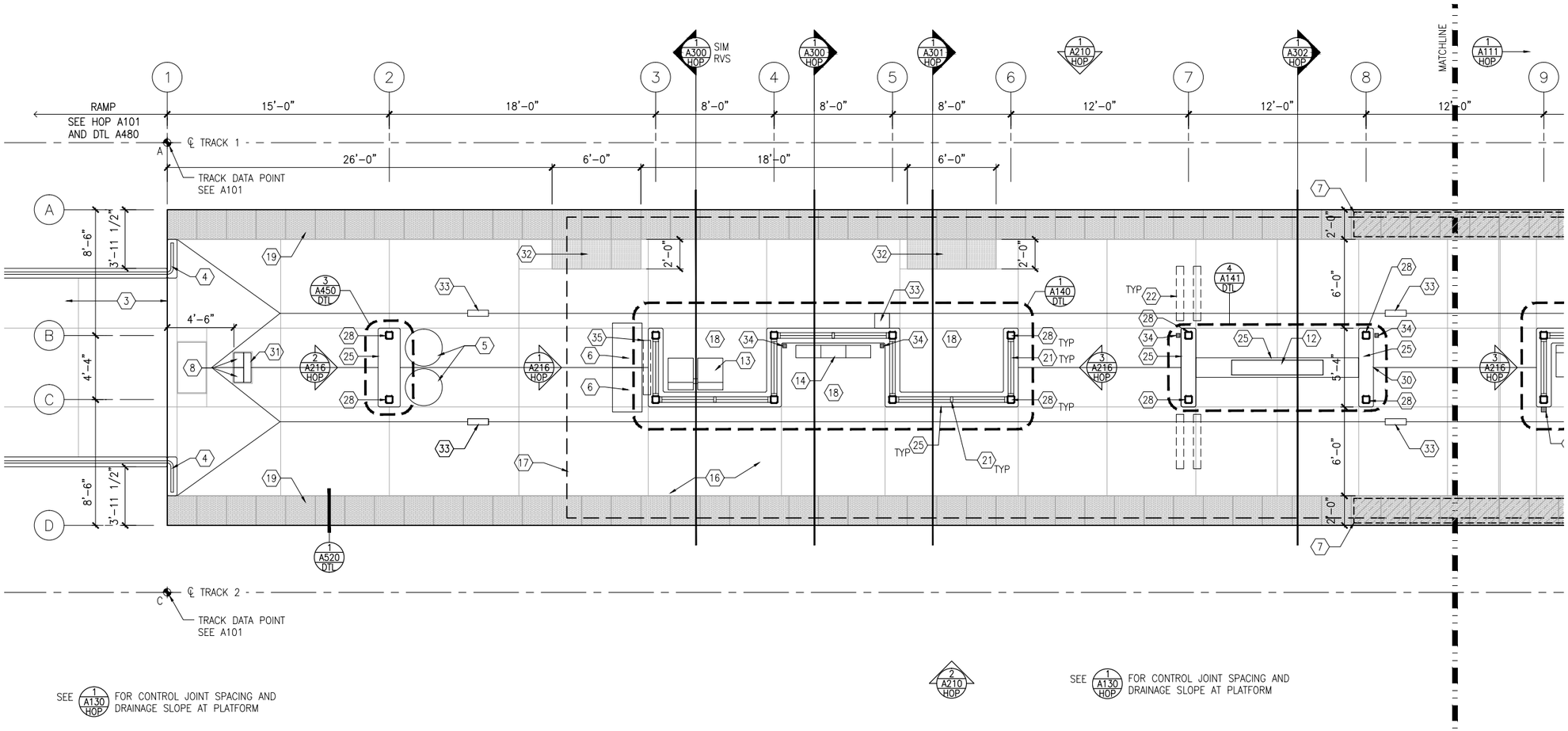
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-HOP-ARC-PLN-101

SHEET 18 OF 510

Jan. 18 2016 10:27 am V:\3400_ADC\CAD\segment e1\plan sheets\ARCH\downtown hopkins station\E1-HOP-ARC-PLN-101.dwg By: MurphySP



GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

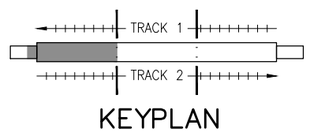
NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. ADA BETWEEN-CAR BARRIER
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE – SEE ELECTRICAL
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
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27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL

1 WEST PARTIAL PLATFORM PLAN

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



KEYPLAN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

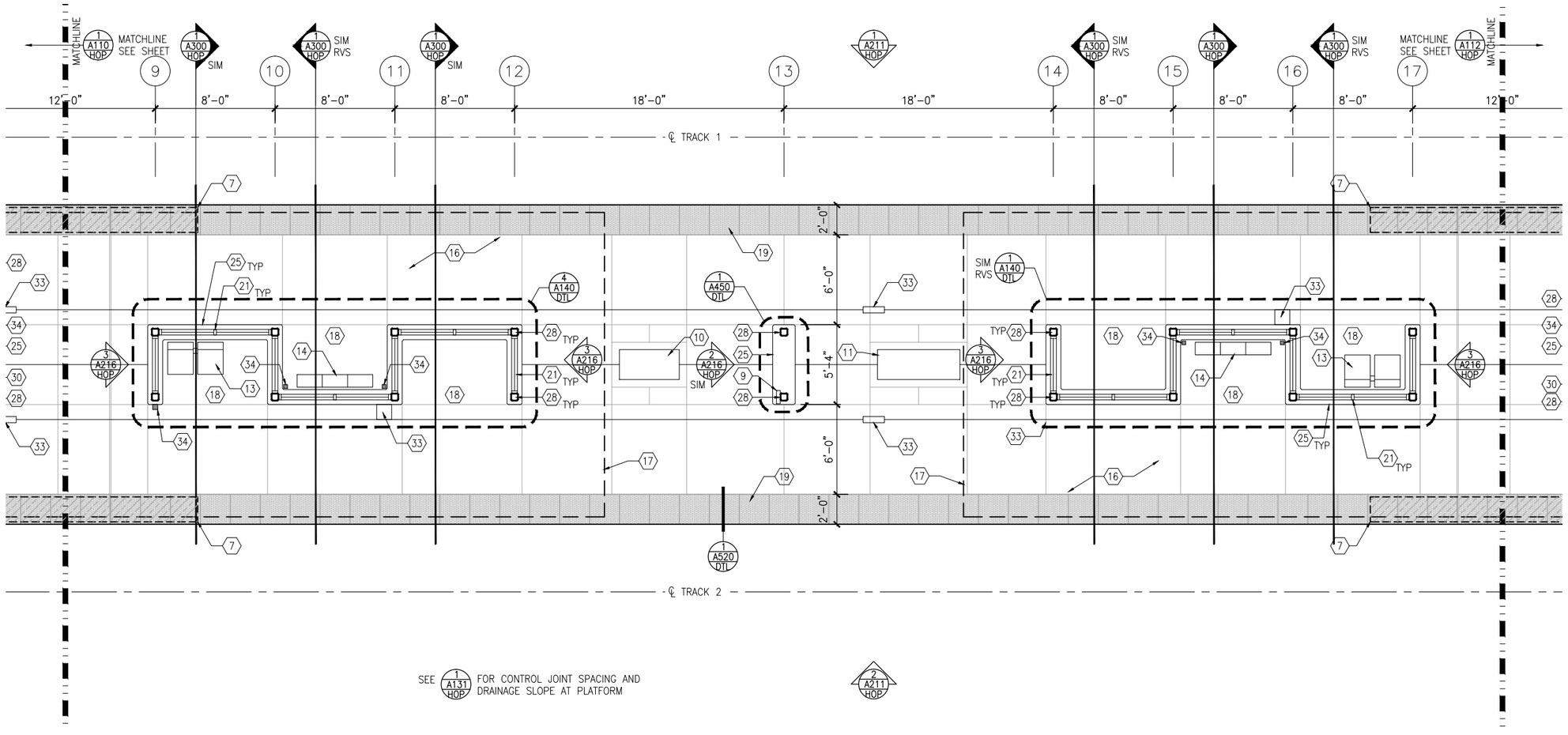
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
WEST PARTIAL PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-HOP-ARC-PLN-110

SHEET 19 OF 510

Jan, 18 2016 10:27 am V:\3400_ADC\CAD\segment e1\plan sheets\ARCH\downtown hopkins station\E1-HOP-ARC-PLN-110.dwg By: MurphySP

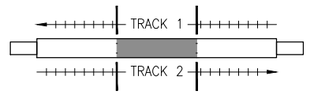


SEE 1/A131 HOP FOR CONTROL JOINT SPACING AND DRAINAGE SLOPE AT PLATFORM

1 MIDDLE PARTIAL PLATFORM PLAN

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



KEYPLAN

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

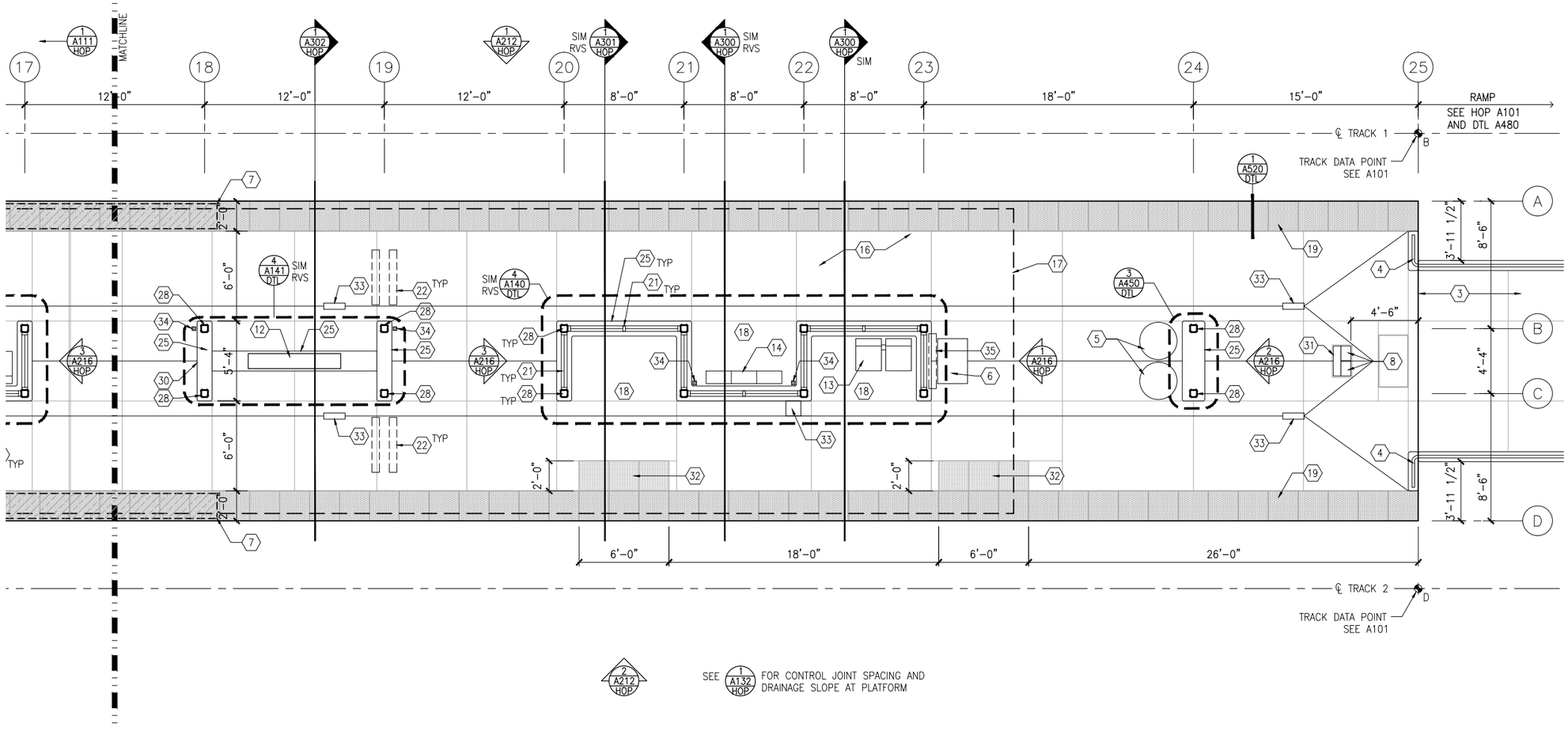
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
MIDDLE PARTIAL PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-HOP-ARC-PLN-111

SHEET 20 OF 510

Jan, 18 2016 10:28 am V:\3400_ADC\CAD\segment e1\plan sheets\ARCH\downtown hopkins station\E1-HOP-ARC-



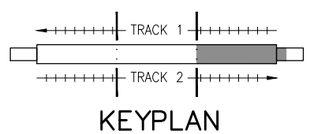
2 A212 HOP

SEE 1 A132 HOP FOR CONTROL JOINT SPACING AND DRAINAGE SLOPE AT PLATFORM

1 EAST PARTIAL PLATFORM PLAN

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



KEYPLAN

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

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35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
EAST PARTIAL PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-HOP-ARC-PLN-112

SHEET 21 OF 510

Jan, 18 2016 10:28 am V:\3400_ADC\CAD\segment e1\plan sheets\ARCH\downtown hopkins station\E1-HOP-ARC-PLN-112.dwg By: MurphySP

PAVEMENT NOTES

SLOPE TRANSITIONS ARE SHOWN FOR REFERENCE. BLEND/EASE TRANSITIONS TO DRAIN AND SO THAT NO ABRUPT CHANGE IN SLOPE IS VISIBLE ON PLATFORM SURFACE

LEGEND

- – – – – – SLOPES
- ——— CUT JOINTS

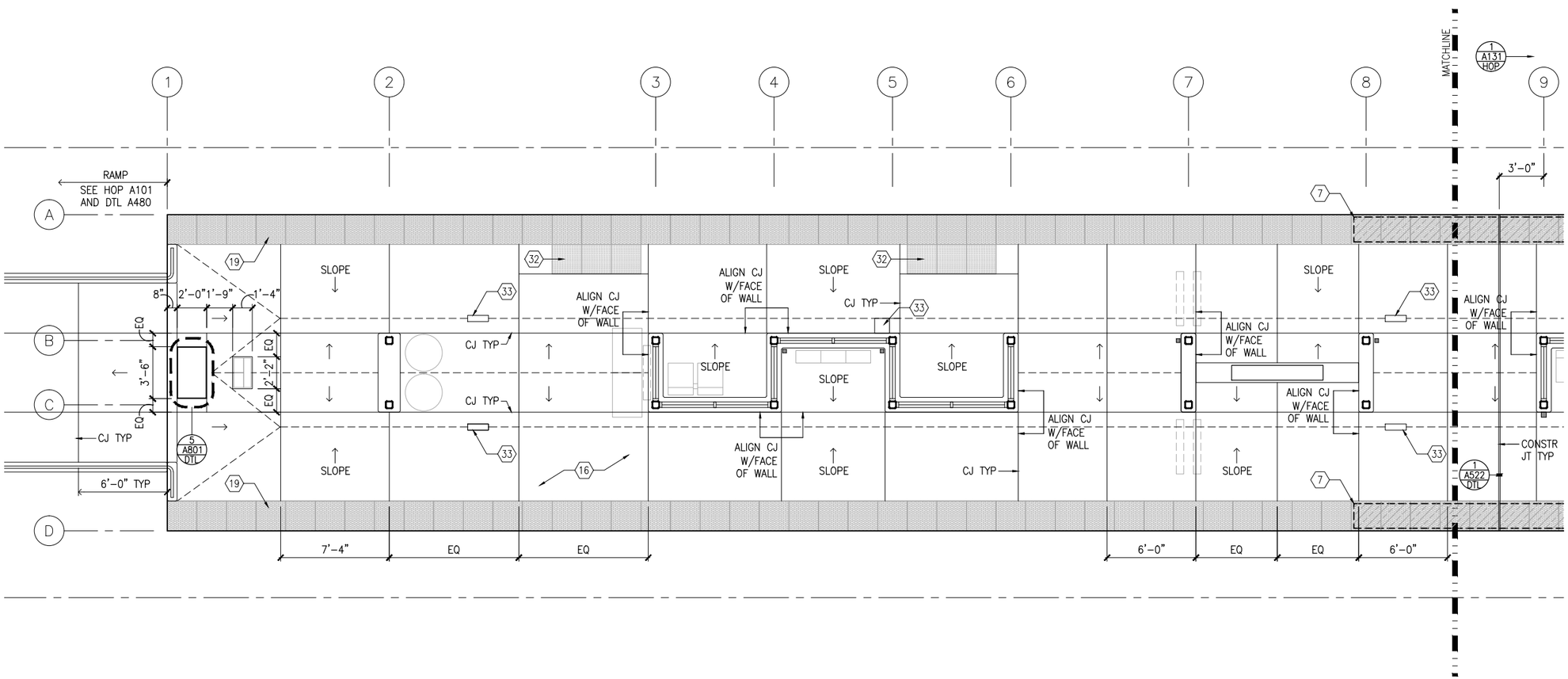
GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

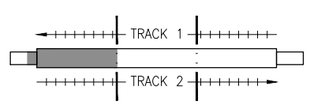
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35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL



1 WEST PARTIAL PLATFORM PLAN
SCALE: 1/8"=1'–0"

0 2 4 8
SCALE



KEYPLAN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
WEST PARTIAL PAVEMENT PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-HOP-ARC-PLN-130

SHEET 22 OF 510

Jan, 18 2016 10:29 am V:\3400_ADC\CAD\segment e1\plan sheets\ARCH\downtown hopkins station\E1-HOP-ARC-PLN-130.dwg By: MurphySP

PAVEMENT NOTES

SLOPE TRANSITIONS ARE SHOWN FOR REFERENCE. BLEND/EASE TRANSITIONS TO DRAIN AND SO THAT NO ABRUPT CHANGE IN SLOPE IS VISIBLE ON PLATFORM SURFACE

LEGEND

- – – – – – – SLOPES
- ———— CUT JOINTS

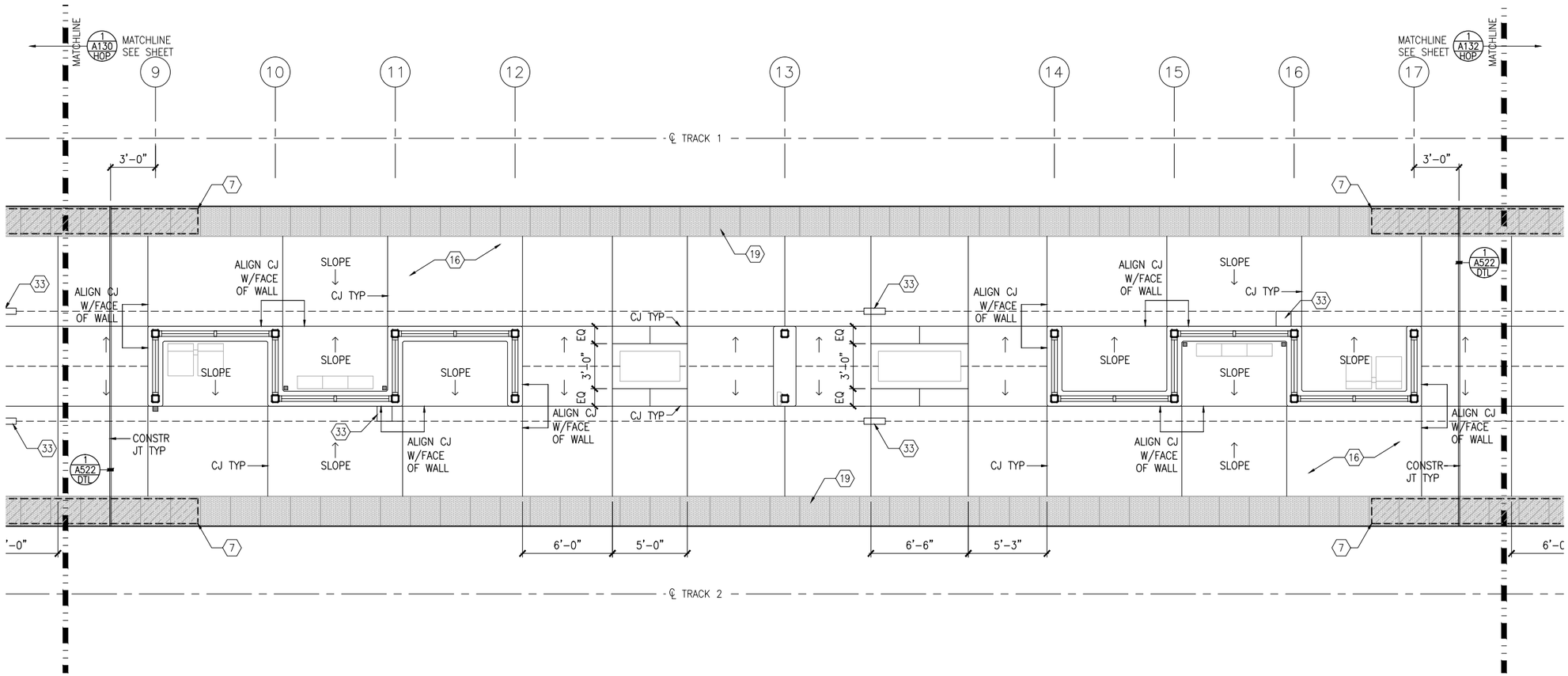
GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

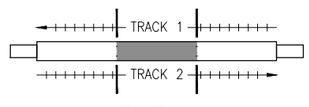
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34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL



1 MIDDLE PARTIAL PLATFORM PLAN

SCALE: 1/8"=1'–0"

0 2 4 8
SCALE



KEYPLAN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
MIDDLE PARTIAL PAVEMENT PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-HOP-ARC-PLN-131

SHEET 23 OF 510

Jan, 18 2016 10:29 am V:\3400_ADC\CAD\segment e1\plan sheets\ARCH\downtown hopkins station\E1-HOP-ARC-PLN-131.dwg By: MurphySP

PAVEMENT NOTES

SLOPE TRANSITIONS ARE SHOWN FOR REFERENCE. BLEND/EASE TRANSITIONS TO DRAIN AND SO THAT NO ABRUPT CHANGE IN SLOPE IS VISIBLE ON PLATFORM SURFACE

LEGEND

- – – – – – – SLOPES
- ———— CUT JOINTS

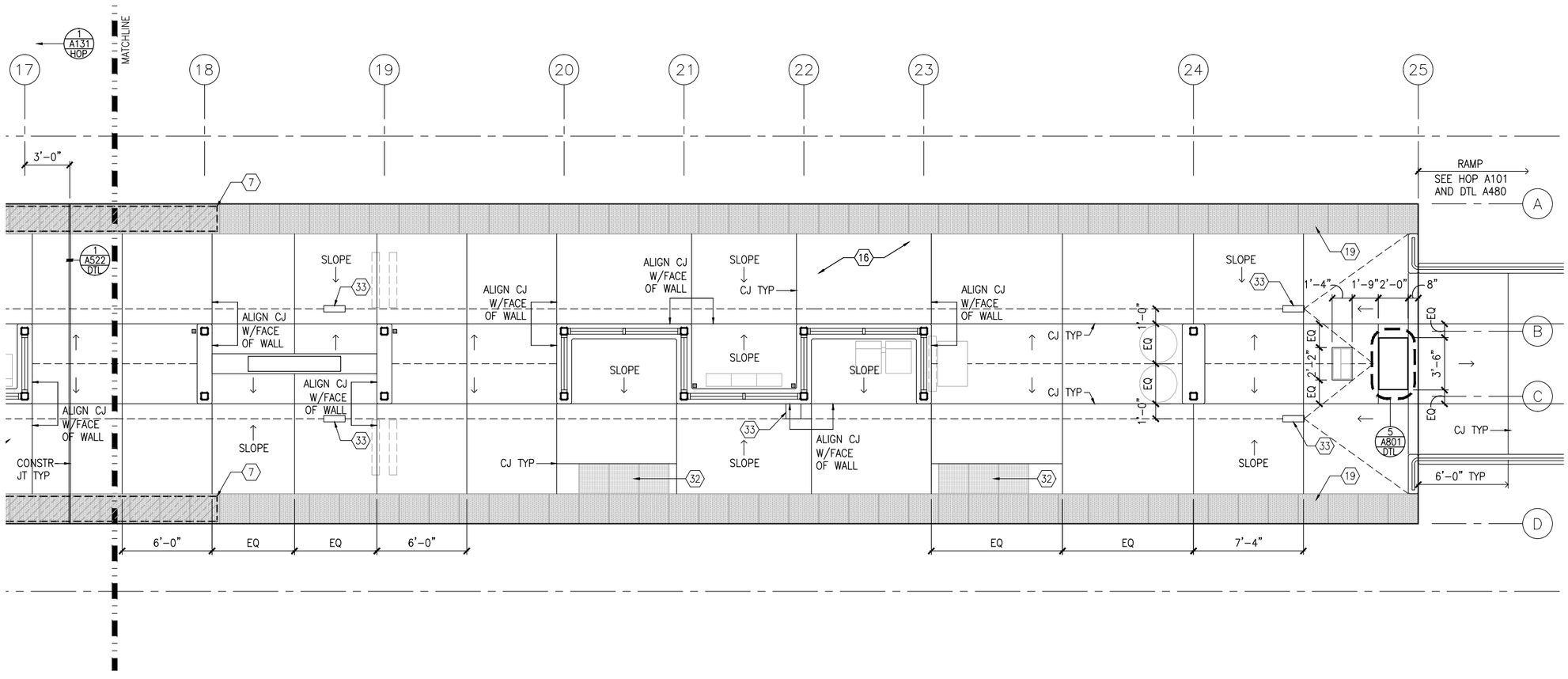
GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

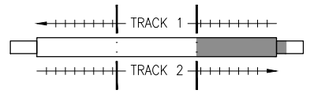
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16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE – SEE ELECTRICAL
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL



1 EAST PARTIAL PLATFORM PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



KEYPLAN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

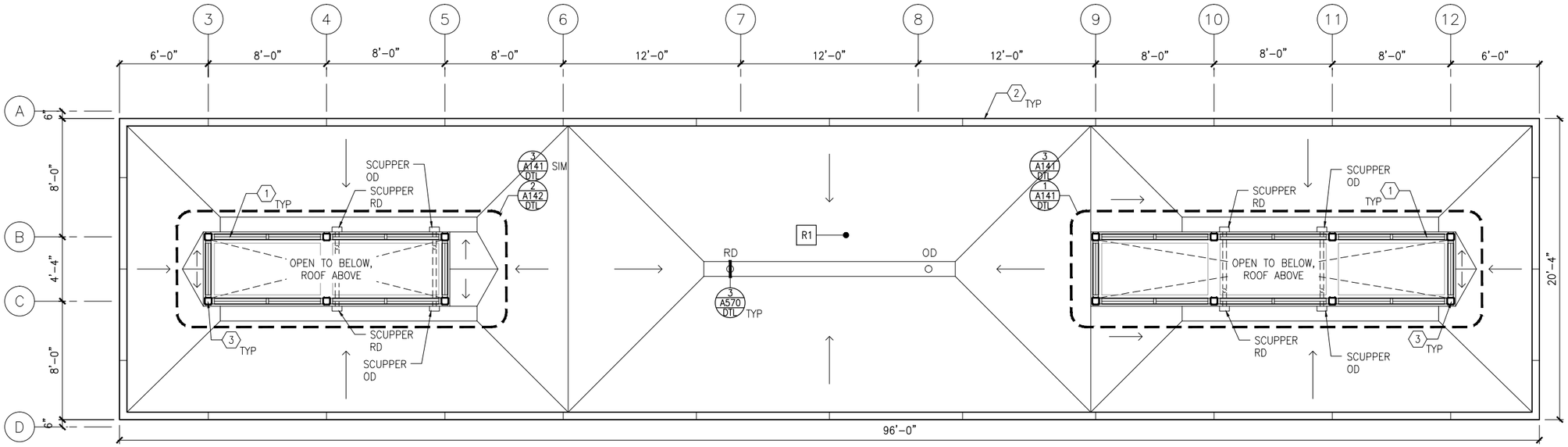
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
EAST PARTIAL PAVEMENT PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-HOP-ARC-PLN-132

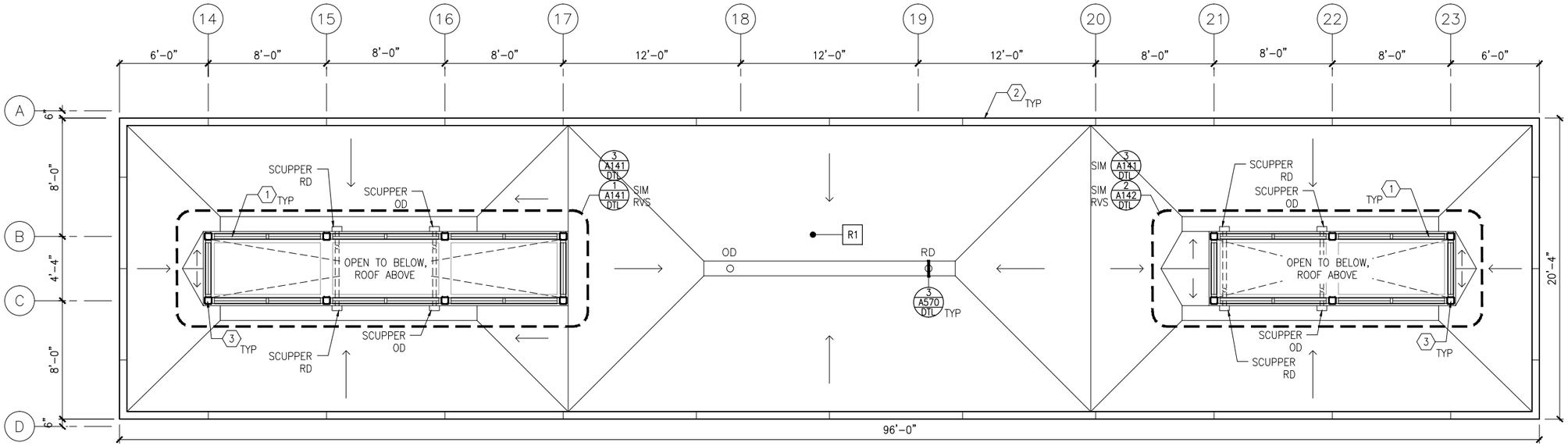
SHEET 24 OF 510

Jan, 18 2016 10:30 am V:\3400_ADC\CAD\segment e1\plan sheets\ARCH\downtown hopkins station\E1-HOP-ARC-PLN-132.dwg By: MurphySP



1 ROOF PLAN – WEST CANOPY
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 ROOF PLAN – EAST CANOPY
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. ROOF SLOPE IS 1/4" PER FT UNO
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ALUMINUM STOREFRONT AND TRANSLUCENT GLAZING SYSTEM
2. ALUMINUM COMPOSITE PANEL COPING
3. STEEL COLUMN – SEE STRUCTURAL
4. STEEL BEAM ABOVE – SEE STRUCTURAL
5. PREFINISHED METAL SCUPPER
6. PREFINISHED METAL GUTTER, SLOPE TO DOWNSPOUTS
7. ROOF BASE FLASHING
8. SUMP
9. CONCRETE SPLASH BLOCK
10. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
11. ROOF EXPANSION JOINT
12. BUILDING EXPANSION JOINT
13. VENT THROUGH ROOF – SEE PLUMB
14. INTEGRAL ROOF GUTTER – SLOPE TO DOWNSPOUTS BELOW
15. MECHANICAL EQUIP – SEE MECH

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- STEEL COLUMN
- OVERHEAD SUPPORT
- RD OD — ROOF DRAIN AND OVERFLOW ROOF DRAIN
- R1 — ROOF ASSEMBLY TYPE 1 BALLASTED EPDM
- R2 — ROOF ASSEMBLY TYPE 2 PRECAST PAVER OVER EPDM
- R3 — ROOF ASSEMBLY TYPE 3 SAME AS TYPE 2 WITH R_ INSULATION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

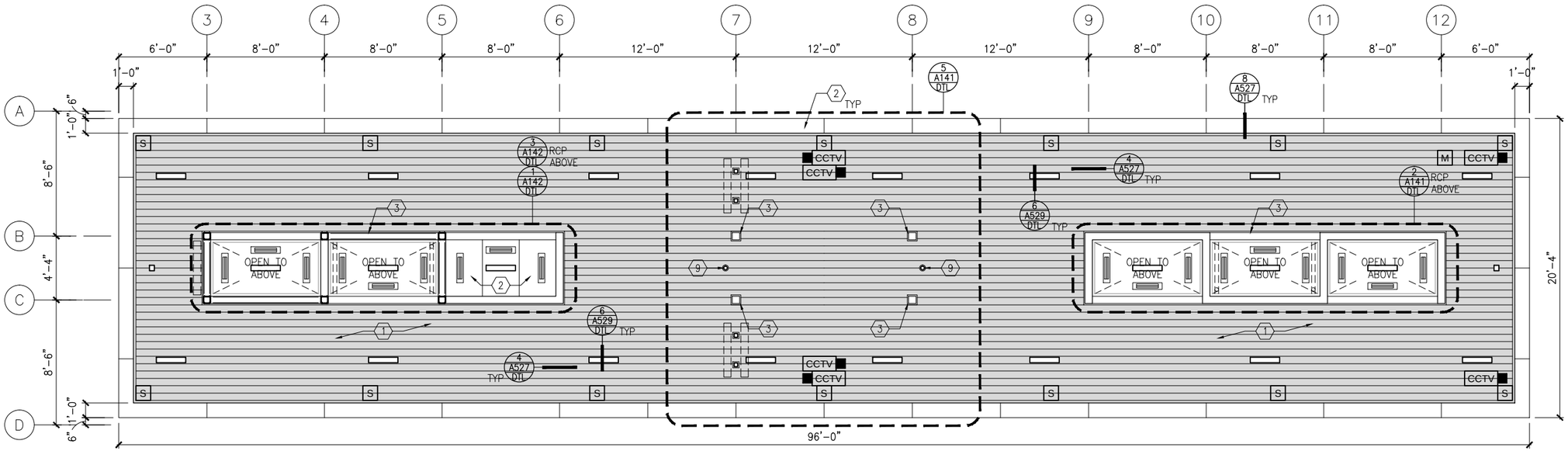
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
ROOF PLANS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-HOP-ARC-PLN-150

SHEET 25 OF 510

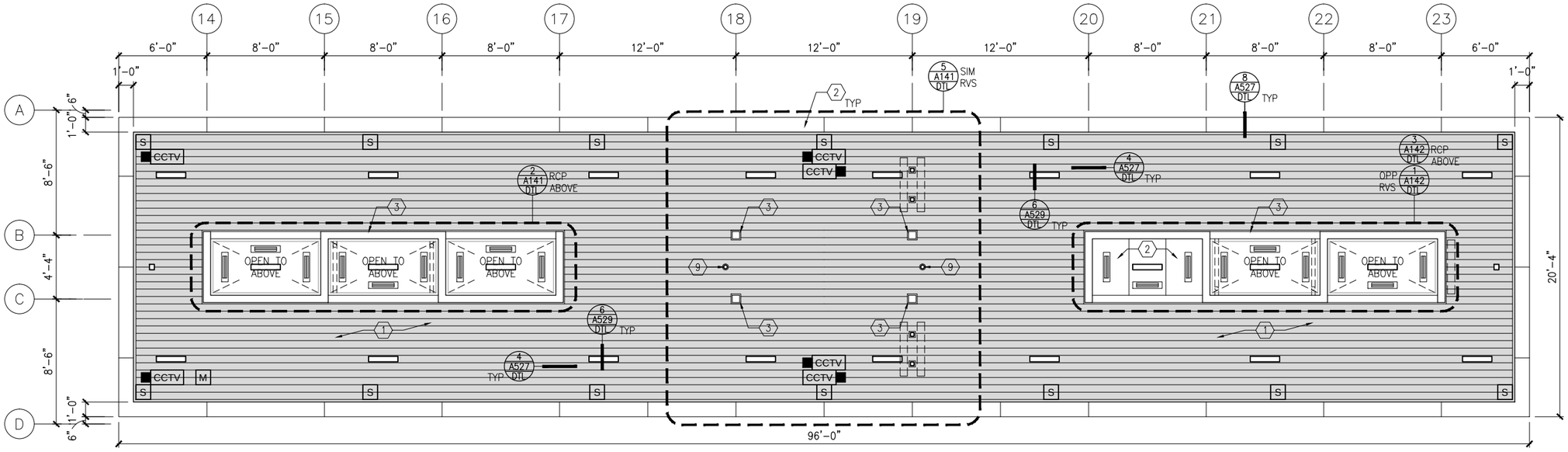
Jan, 18 2016 10:30 am V:\3400_ADC\CAD\segment e1\plan sheets\ARCH\downtown hopkins station\E1-HOP-ARC-PLN-150.dwg By: MurphySP



1 REFLECTED CEILING PLAN – WEST CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 REFLECTED CEILING PLAN – EAST CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. EXTERIOR LINEAR METAL CEILING SOFFIT IN SHADED AREA
2. ALUMINUM COMPOSITE PANEL SOFFIT
3. PROVIDE MATCHING CEILING TRIM AROUND STEEL COLUMN AND/OR SHELTERS
4. PC CONC WALKWAY – SEE STRUCT
5. PC CONC STAIR – SEE STRUCT
6. EXPOSED STRUCTURE – SEE STRUCTURAL
7. ACOUSTIC CEILING
8. ACCESS PANELS FOR EQUIPMENT ACCESS
9. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- S SPEAKER
- M MICROPHONE
- C SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN
- LAY-IN ACOUSTIC CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING
- LED LINEAR LIGHT FIXTURE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

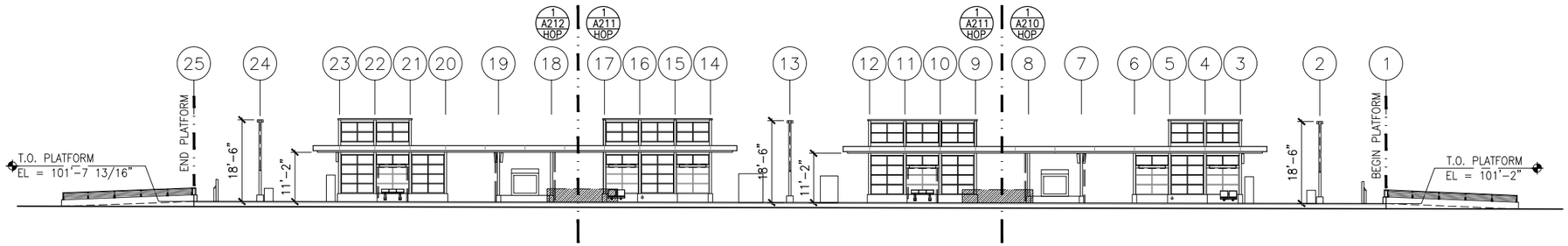
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
REFLECTED CEILING PLANS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-HOP-ARC-RCP-180

SHEET 26 OF 510

Jan. 18 2016 10:31 am V:\3400_ADC\CAD\segment e1\plan sheets\ARCH\downtown hopkins station\E1-HOP-ARC-RCP-180.dwg By: MurphySP



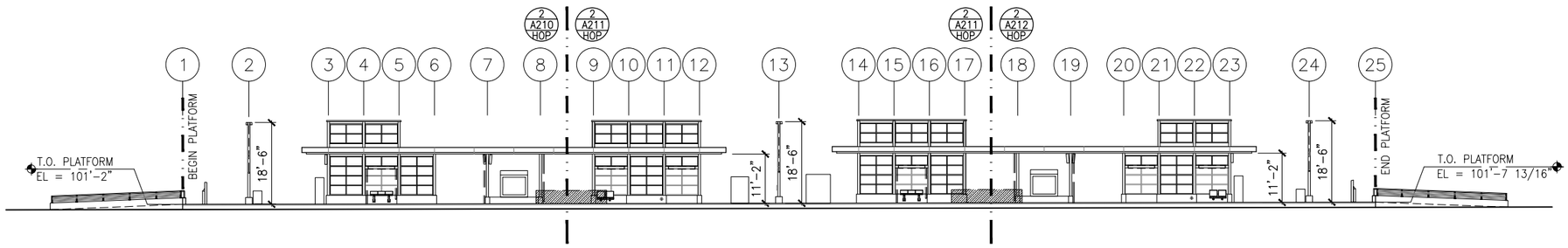
1 TRACK 1 ELEVATION

SCALE: 1"=30'

0 7.5 15 30

SCALE

(0.18% SLOPE)*



2 TRACK 2 ELEVATION

SCALE: 1"=30'

0 7.5 15 30

SCALE

(0.18% SLOPE)*

*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

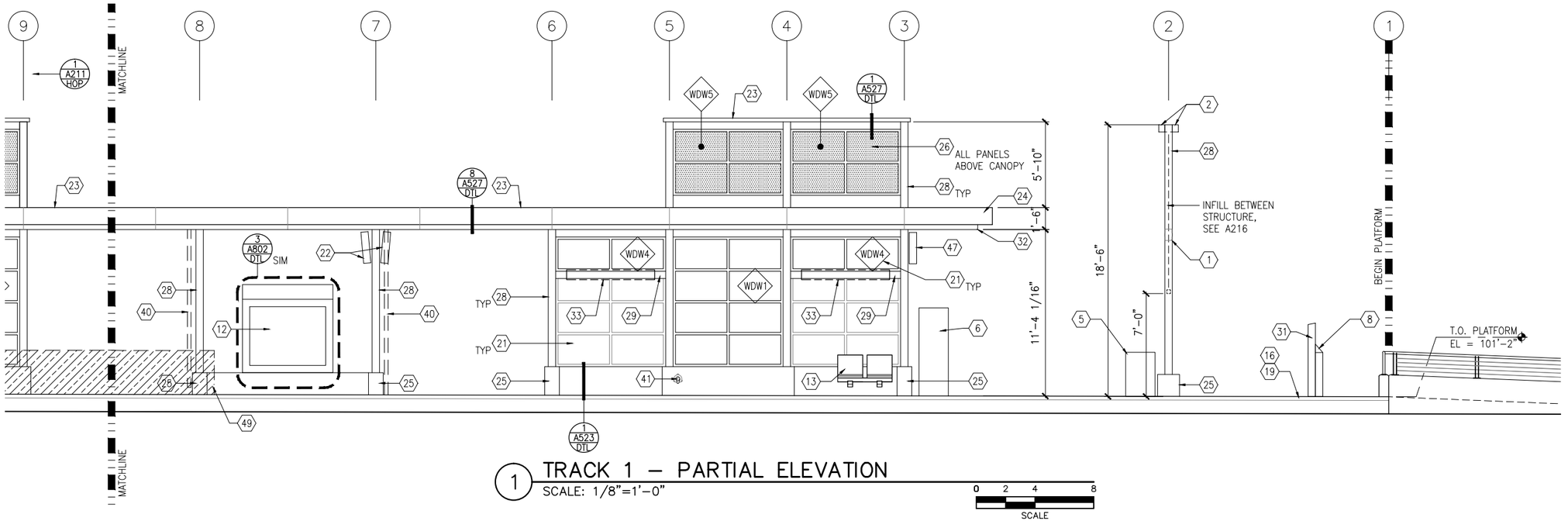
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-HOP-ARC-ELV-200

SHEET 27 OF 510

Jan, 18 2016 10:31 am V:\3400_ADC\CAD\segment e1\plan sheets\ARCH\downtown hopkins station\E1-HOP-ARC-ELV-200.DWG By: MurphySP

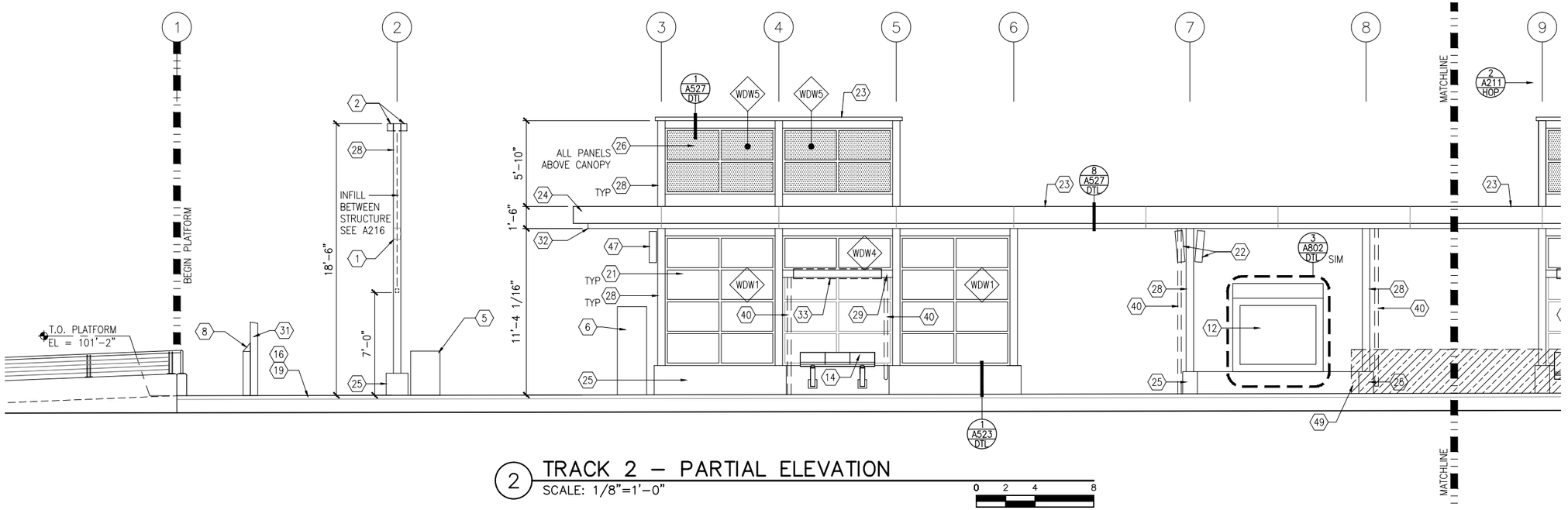


1 TRACK 1 – PARTIAL ELEVATION

SCALE: 1/8"=1'-0"

0 2 4 8

SCALE



2 TRACK 2 – PARTIAL ELEVATION

SCALE: 1/8"=1'-0"

0 2 4 8

SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. LIGHTNING ROD – SEE ELECTRICAL
35. PC CONC WALL PANEL
36. CAST IRON DOWNSPOUT – PAINT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
41. DOWNSPOUT NOZZLE – SEE PLUMBING
42. SECONDARY STEEL FRAMING – SEE STRUCTURAL
43. DOOR – SEE DOOR SCHEDULE
44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

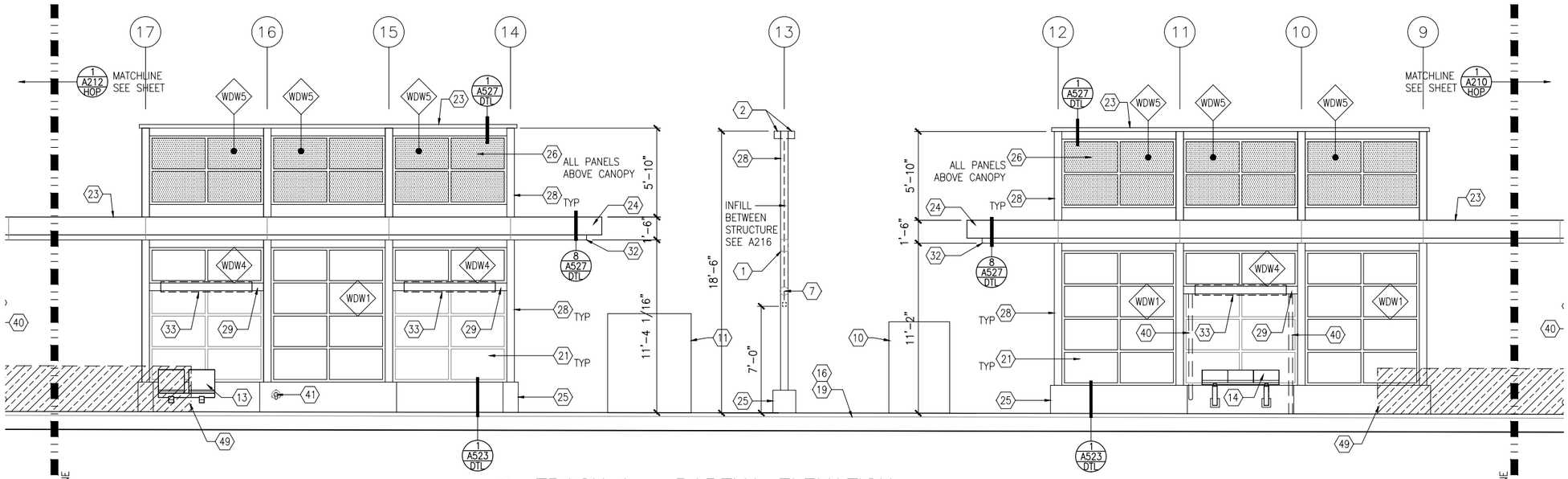
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
WEST PARTIAL ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-HOP-ARC-ELV-210

SHEET 28 OF 510

Jan, 18 2016 10:32 am V:\3400_ADC\CAD\segment e1\plan sheets\ARCH\downtown hopkins station\E1-HOP-ARC-ELV-210.dwg By: MurphySP

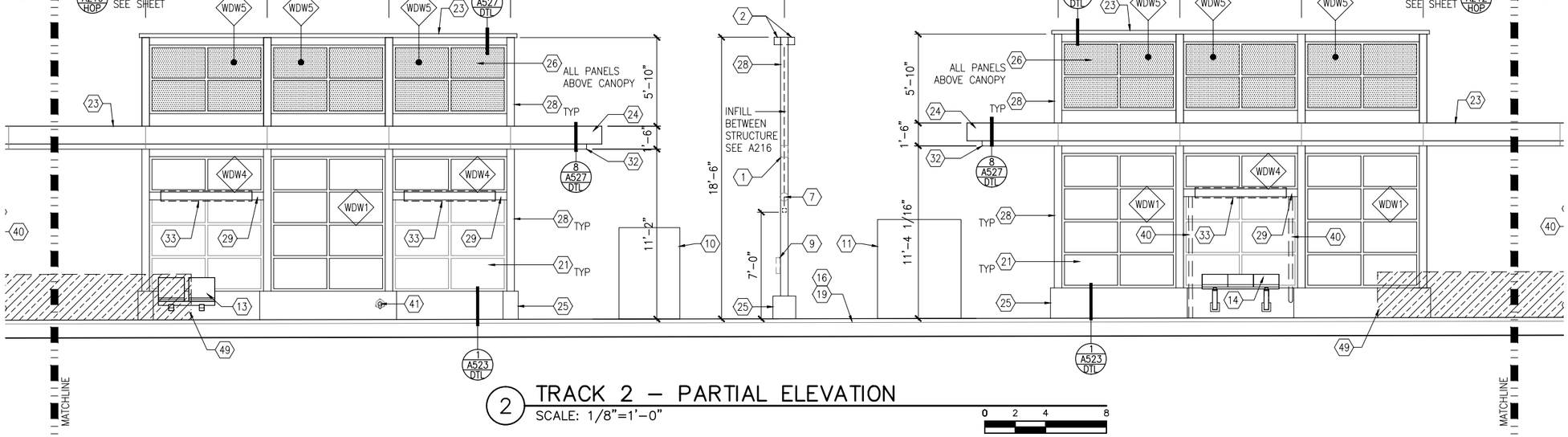


1 TRACK 1 – PARTIAL ELEVATION

SCALE: 1/8"=1'-0"

0 2 4 8

SCALE



2 TRACK 2 – PARTIAL ELEVATION

SCALE: 1/8"=1'-0"

0 2 4 8

SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. LIGHTNING ROD – SEE ELECTRICAL
35. PC CONC WALL PANEL
36. CAST IRON DOWNSPOUT – PAINT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
41. DOWNSPOUT NOZZLE – SEE PLUMBING
42. SECONDARY STEEL FRAMING – SEE STRUCTURAL
43. DOOR – SEE DOOR SCHEDULE
44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

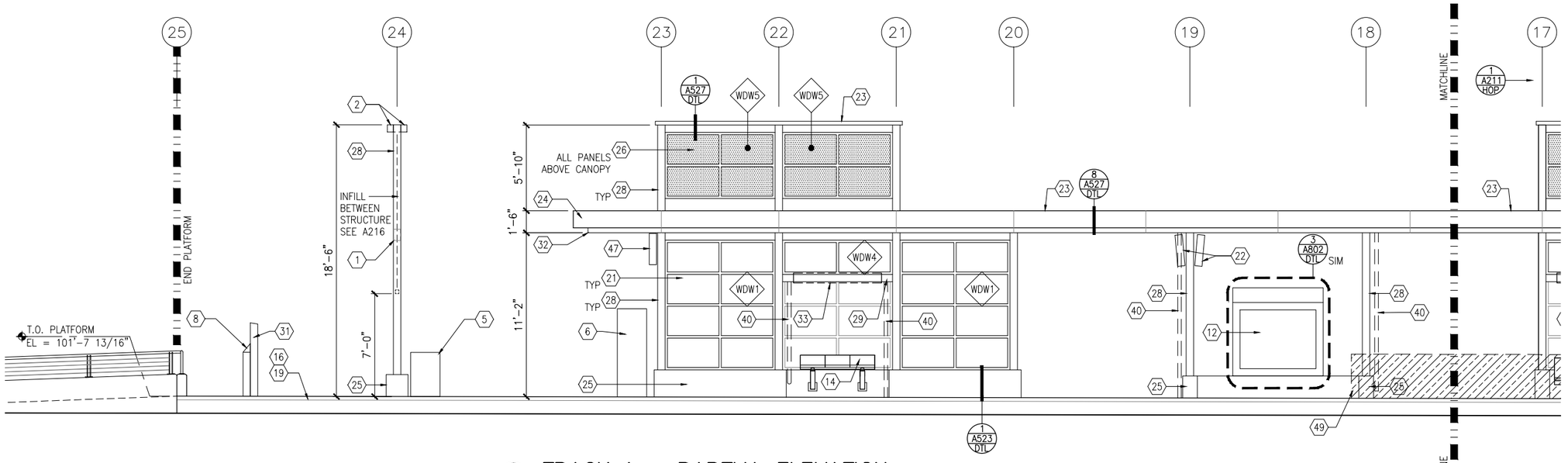
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
MIDDLE PARTIAL ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-HOP-ARC-ELV-211

SHEET 29 OF 510

Jan, 18 2016 10:32 am V:\3400_ADC\CAD\segment e1\plan sheets\ARCH\downtown hopkins station\E1-HOP-ARC-ELV-211.dwg By: MurphyS

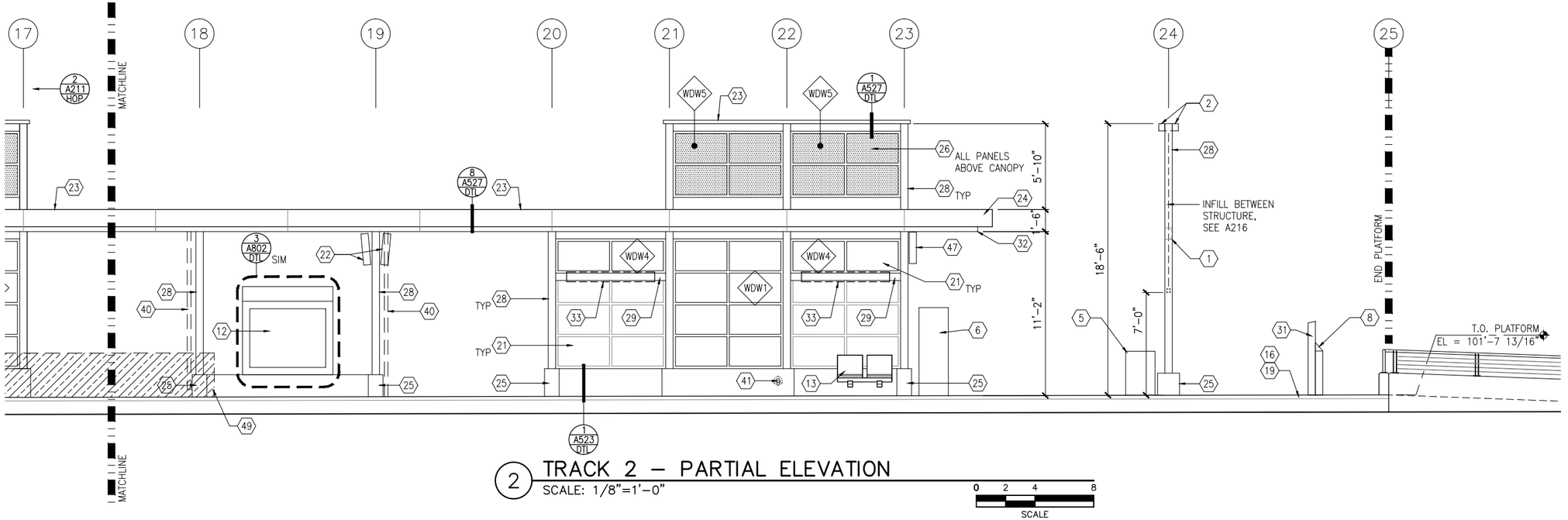


1 TRACK 1 – PARTIAL ELEVATION

SCALE: 1/8"=1'-0"

0 2 4 8

SCALE



2 TRACK 2 – PARTIAL ELEVATION

SCALE: 1/8"=1'-0"

0 2 4 8

SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. LIGHTNING ROD – SEE ELECTRICAL
35. PC CONC WALL PANEL
36. CAST IRON DOWNSPOUT – PAINT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
41. DOWNSPOUT NOZZLE – SEE PLUMBING
42. SECONDARY STEEL FRAMING – SEE STRUCTURAL
43. DOOR – SEE DOOR SCHEDULE
44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

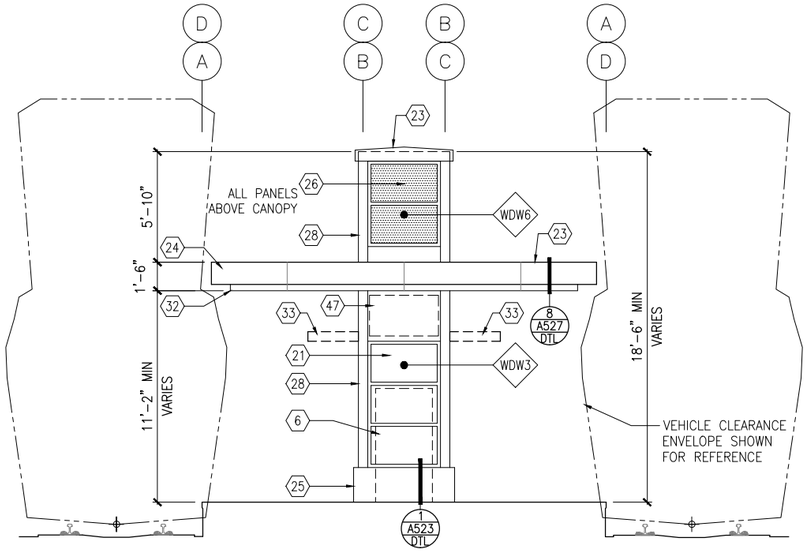
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
EAST PARTIAL ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-HOP-ARC-ELV-212

SHEET 30 OF 510

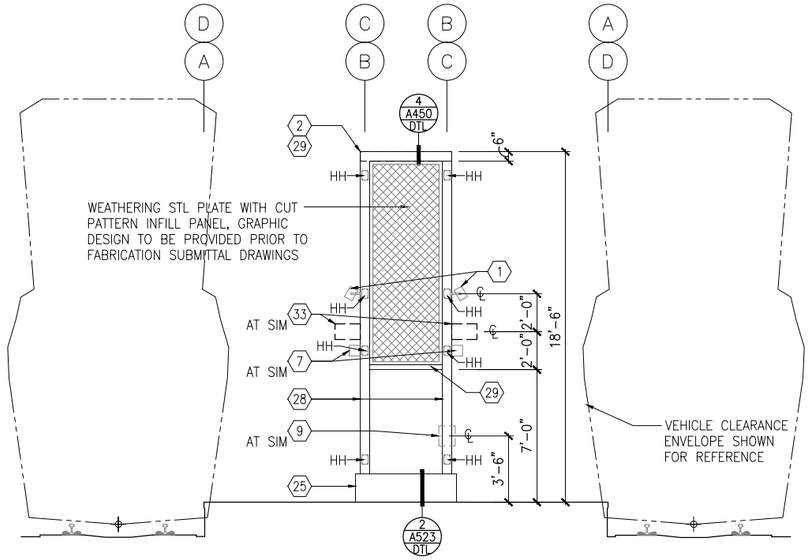
Jan. 18 2016 10:32 am V:\3400_ADC\CAD\segment e1\plan sheets\ARCH\downtown hopkins station\E1-HOP-ARC-ELV-212.dwg By: MurphySP



1 SIDE ELEVATION

SCALE: 1/8"=1'-0"

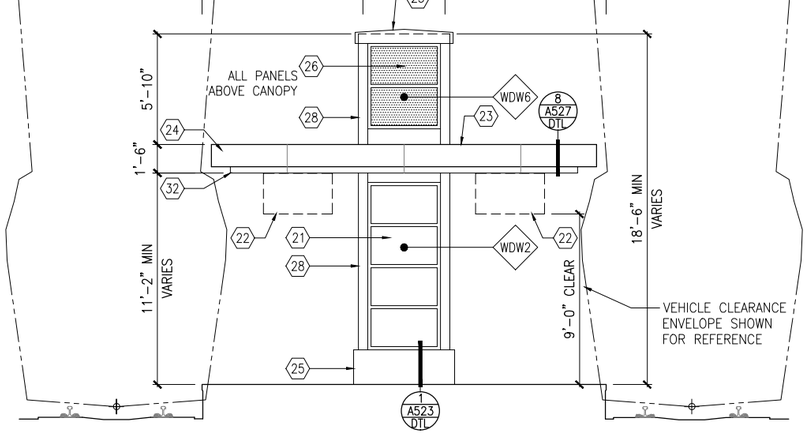
0 2 4 8
SCALE



2 SIDE ELEVATION

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



3 SIDE ELEVATION

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. LIGHTNING ROD – SEE ELECTRICAL
35. PC CONC WALL PANEL
36. CAST IRON DOWNSPOUT – PAINT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
41. DOWNSPOUT NOZZLE – SEE PLUMBING
42. SECONDARY STEEL FRAMING – SEE STRUCTURAL
43. DOOR – SEE DOOR SCHEDULE
44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

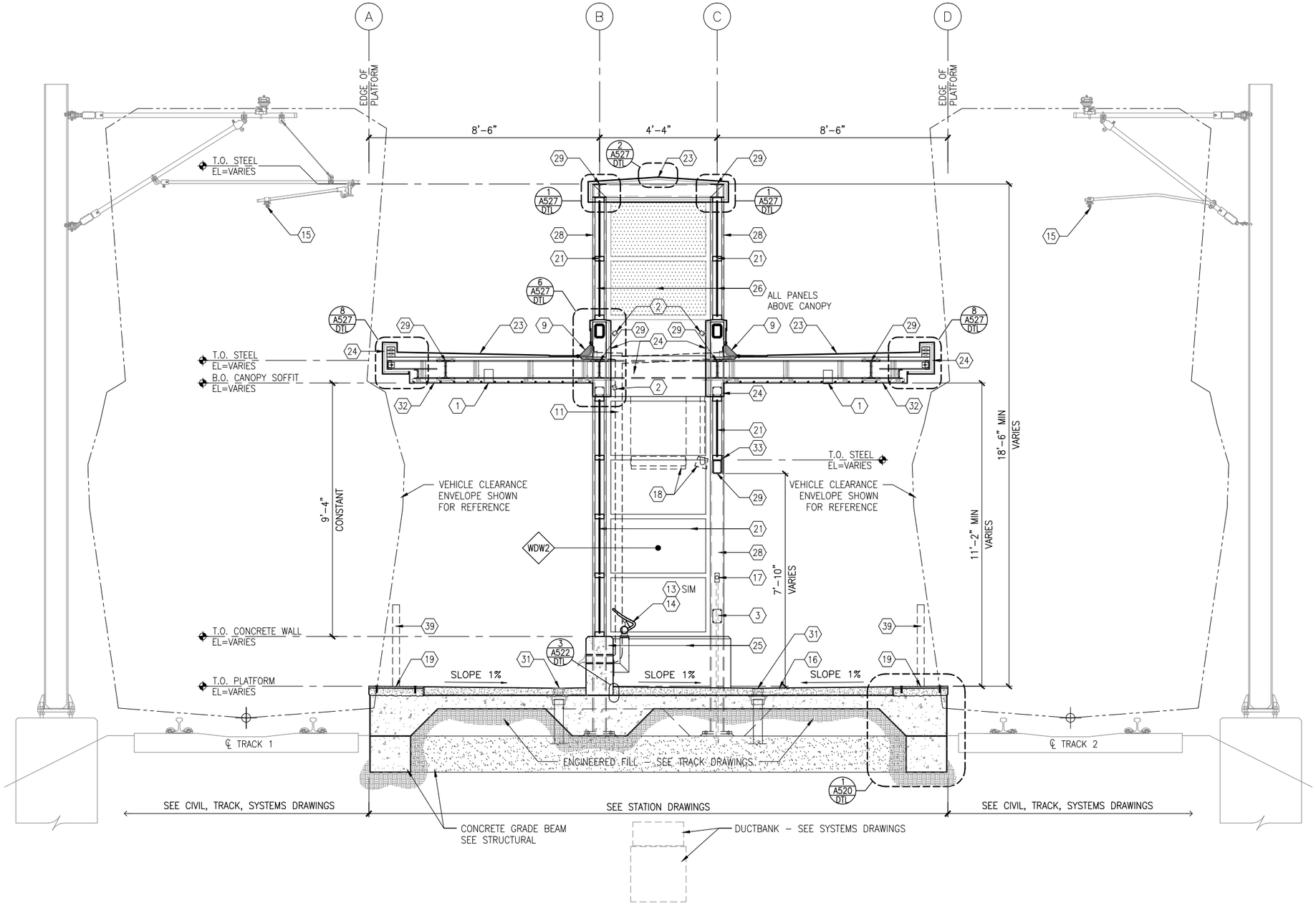
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
SIDE ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-HOP-ARC-ELV-216

SHEET 31 OF 510

Jan, 18 2016 10:33 am V:\3400_ADC\CAD\segment e1\plan sheets\ARCH\downtown hopkins station\E1-HOP-ARC-ELV-216.dwg By: MurphySP



1 TYPICAL PLATFORM SECTION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA – SEE ELEC
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. EMERGENCY TELEPHONE – SEE ELEC
9. ROOF DRAIN – SEE PLUMBING
10. PRE-FINISHED METAL GUTTER
11. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYSTEMS (NIC)
16. CONCRETE PLATFORM
17. HEATER CONTROL – SEE ELEC
18. INFRARED HEATER – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. AREA DRAIN – SEE PLUMBING
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. PC CONC WALKWAY – SEE STRUCT
35. PC CONC STAIR – SEE STRUCT
36. PC CONC WALL PANEL
37. SECONDARY STEEL FRAMING – SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R– ROOF TYPE – SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

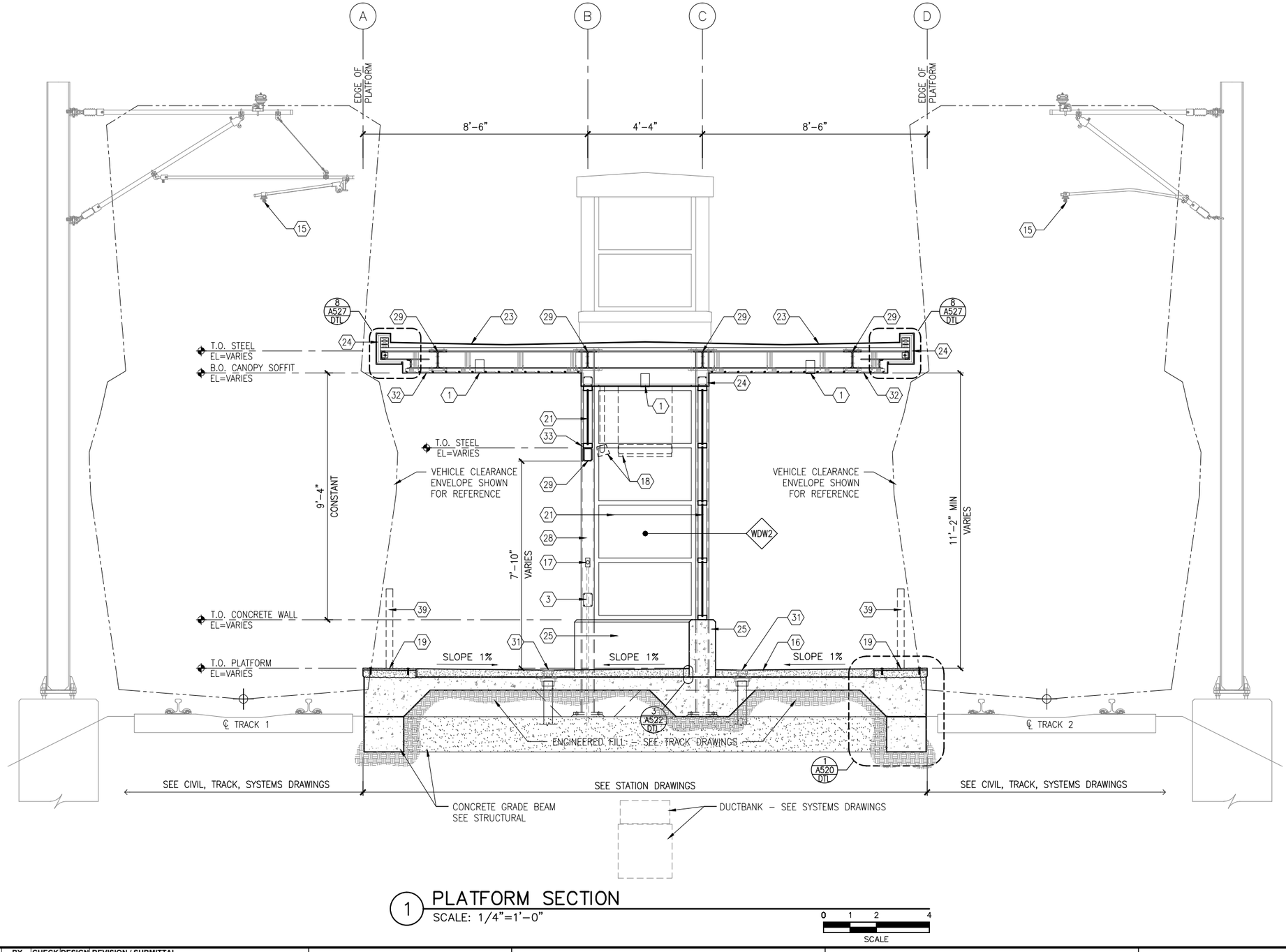
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
TYPICAL PLATFORM SECTION

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-HOP-ARC-SCT-300

SHEET 32 OF 510

Jan, 18 2016 10:34 am V:\3400_ADC\CAD\segment e1\plan sheets\ARCH\downtown hopkins station\E1-HOP-ARC-SCT-300.dwg By: MurphySP



1 PLATFORM SECTION

SCALE: 1/4"=1'-0"

0 1 2 4

SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA – SEE ELEC
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. EMERGENCY TELEPHONE – SEE ELEC
9. ROOF DRAIN – SEE PLUMBING
10. PRE-FINISHED METAL GUTTER
11. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYSTEMS (NIC)
16. CONCRETE PLATFORM
17. HEATER CONTROL – SEE ELEC
18. INFRARED HEATER – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. AREA DRAIN – SEE PLUMBING
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. PC CONC WALKWAY – SEE STRUCT
35. PC CONC STAIR – SEE STRUCT
36. PC CONC WALL PANEL
37. SECONDARY STEEL FRAMING – SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R– ROOF TYPE – SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

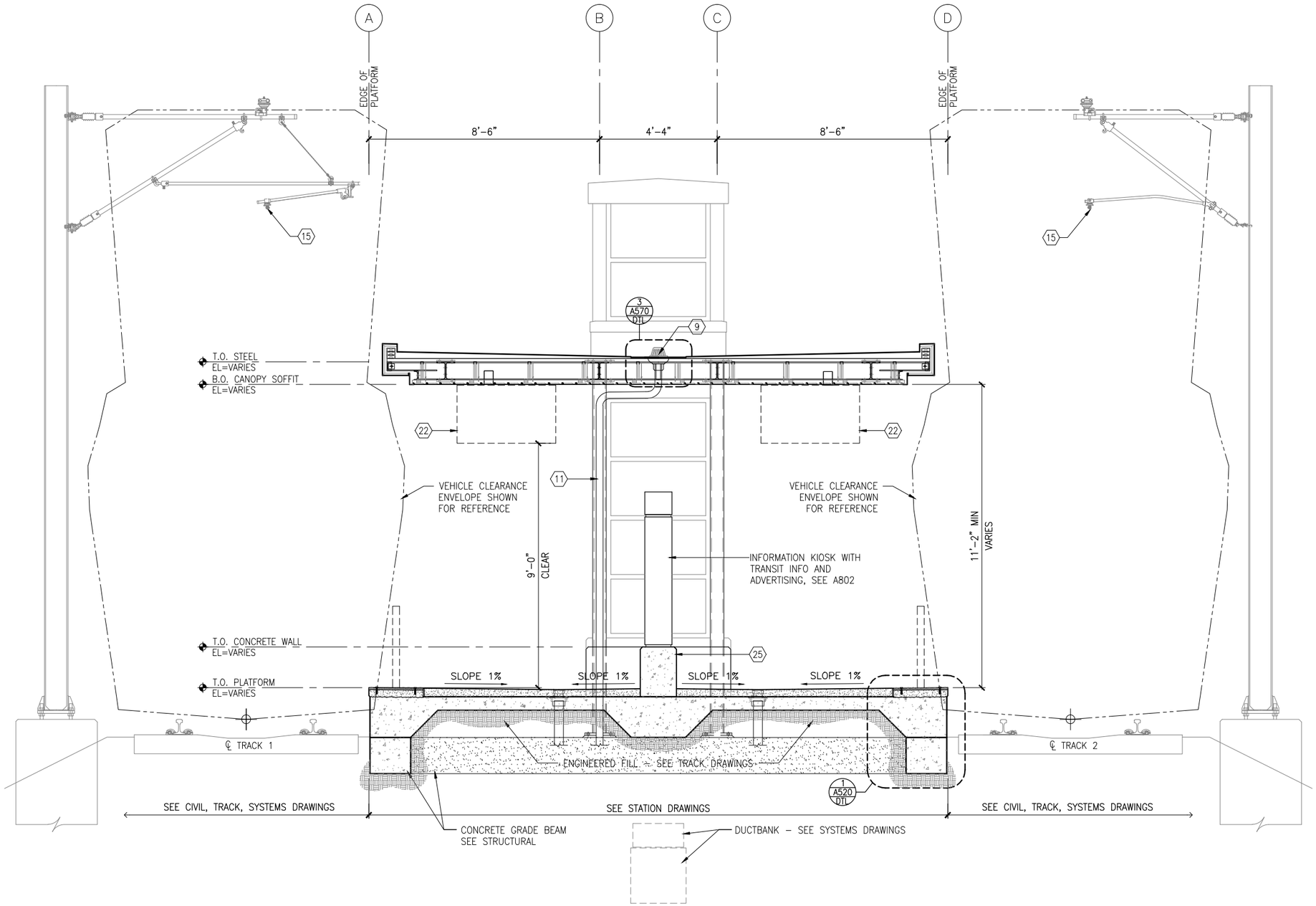
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
PLATFORM SECTION

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-HOP-ARC-SCT-301

SHEET 33 OF 510

Jan, 18 2016 10:34 am V:\3400_ADC\CAD\segment e1\plan sheets\ARCH\downtown hopkins station\E1-HOP-ARC-SCT-301.dwg By: MurphySP



1 PLATFORM SECTION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS
4. SEE A300 & A301 FOR SIM NOTES, DIMS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA – SEE ELEC
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. EMERGENCY TELEPHONE – SEE ELEC
9. ROOF DRAIN – SEE PLUMBING
10. PRE-FINISHED METAL GUTTER
11. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYSTEMS (NIC)
16. CONCRETE PLATFORM
17. HEATER CONTROL – SEE ELEC
18. INFRARED HEATER – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. AREA DRAIN – SEE PLUMBING
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. PC CONC WALKWAY – SEE STRUCT
35. PC CONC STAIR – SEE STRUCT
36. PC CONC WALL PANEL
37. SECONDARY STEEL FRAMING – SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R- ROOF TYPE – SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

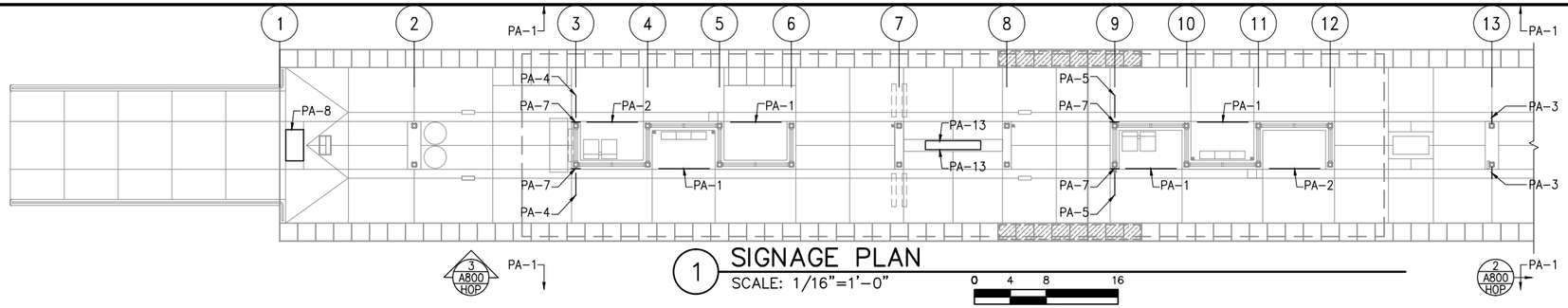
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
PLATFORM SECTION

DISCIPLINE: ARCHITECTURE

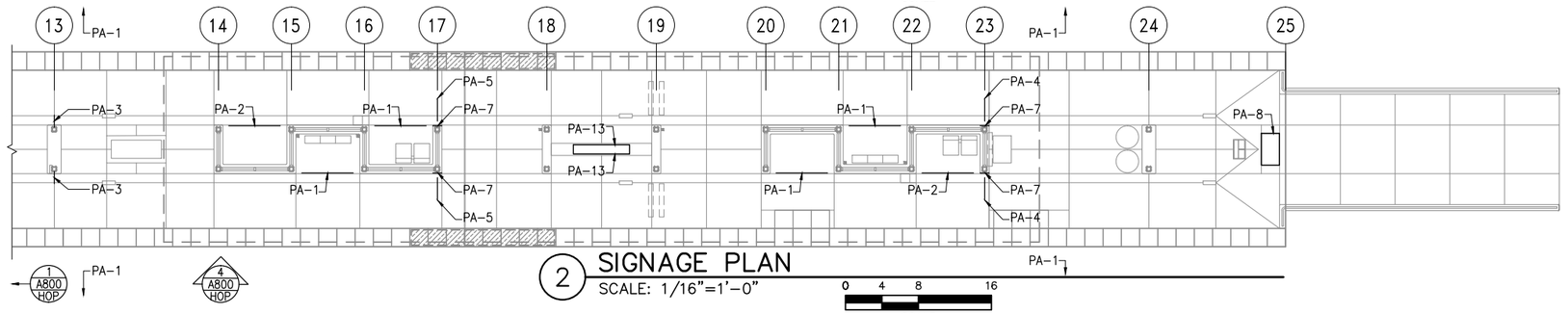
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SHEET 34 OF 510

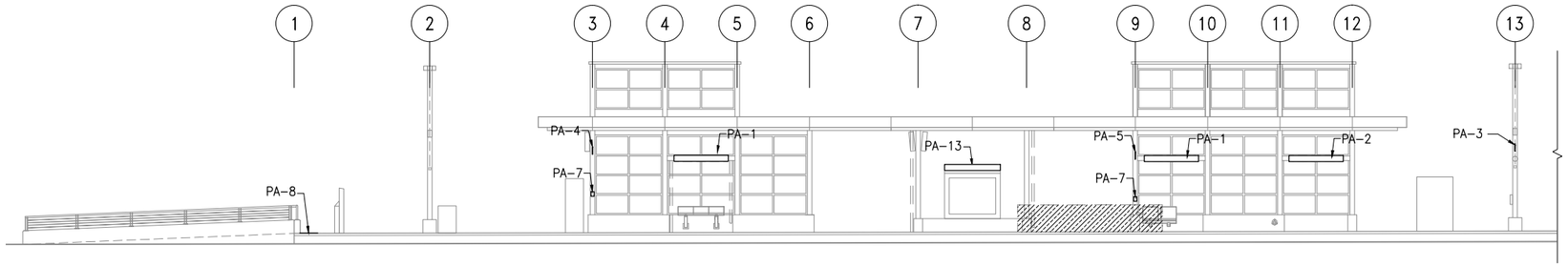
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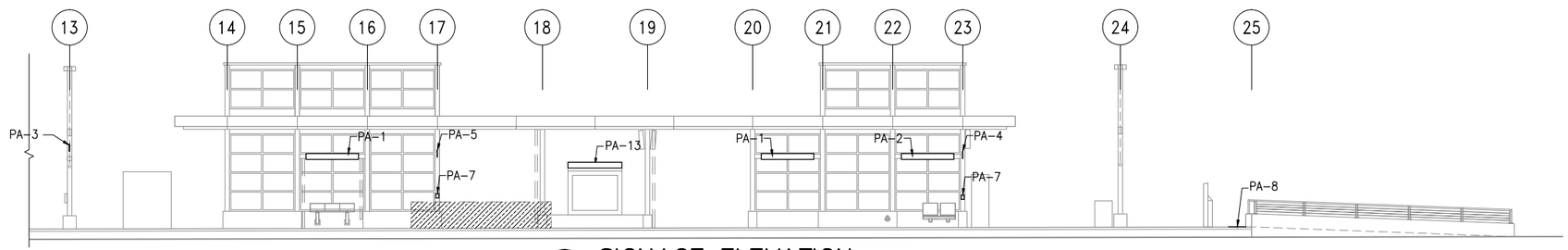
1 SIGNAGE PLAN
SCALE: 1/16"=1'-0"
0 4 8 16
SCALE



2 SIGNAGE PLAN
SCALE: 1/16"=1'-0"
0 4 8 16
SCALE



3 SIGNAGE ELEVATION
SCALE: 1/16"=1'-0"
0 4 8 16
SCALE



4 SIGNAGE ELEVATION
SCALE: 1/16"=1'-0"
0 4 8 16
SCALE

GENERAL SHEET NOTES

1. ALL SIGNAGE MOUNTING HEIGHTS ARE FROM CENTER LINE AT BOTTOM EDGE TO TOP OF PLATFORM
2. FOR SIGNS PA-1, PA-4, PA-5 SEE SHEET DTL A801 FOR MOUNTING
3. FOR SIGNS PA-6, PA-12, PA-13, PA-14, PA-15, PA-16 SEE KIOSK AND CABINET DETAILS FOR MOUNTING
4. SEE VOLUME 11E FOR COMMON DETAILS

SIGNAGE KEY

PA-1 PA-2	1 / A801 / DTL
PA-3 PA-4 PA-5	2 / A801 / DTL
PA-6	3 / A801 / DTL
PA-7	4 / A801 / DTL
PA-8	5 / A801 / DTL
PA-12	6 / A801 / DTL
PA-13 PA-14	7 / A801 / DTL
PA-15	3 / A803 / DTL
PA-16	2 / A803 / DTL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

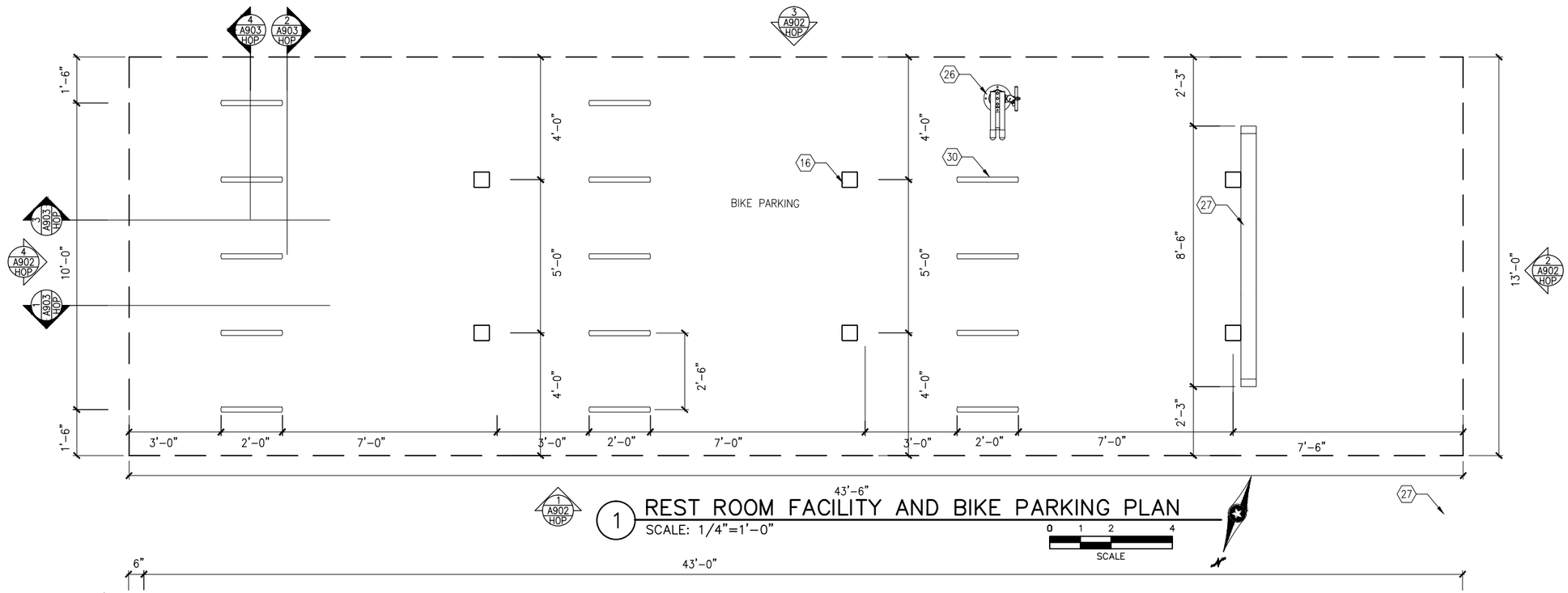
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
SIGNAGE PLANS AND ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-HOP-ARC-SGN-800

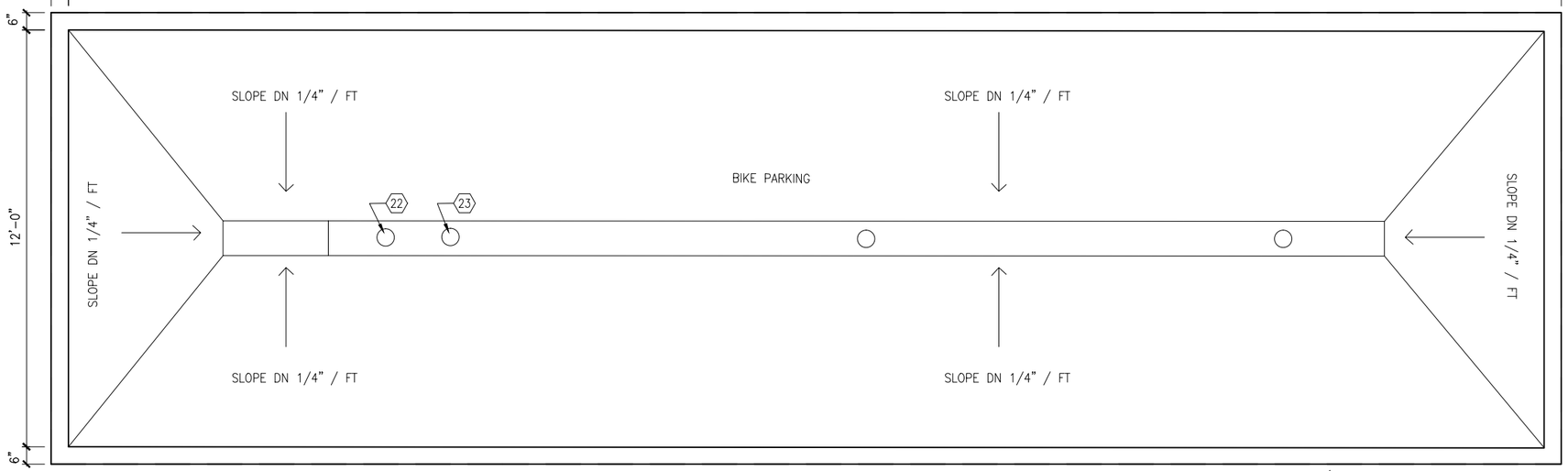
SHEET 35 OF 510

Jan, 18 2016 10:35 am V:\3400_ADC\CAD\segment e1\plan sheets\ARCH\downtown hopkins station\E1-HOP-ARC-SGN-800.dwg By: MurphySP



1 REST ROOM FACILITY AND BIKE PARKING PLAN
SCALE: 1/4"=1'-0"

SCALE 0 1 2 4



2 REST ROOM FACILITY AND BIKE PARKING ROOF PLAN
SCALE: 1/4"=1'-0"

SCALE 0 1 2 4

GENERAL SHEET NOTES

1. SEE SHEET Axxx FOR SPECIFIC FINISH/COLOR.
2. SEE SHEET A101 FOR SITE PLAN

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. HOLLOW METAL DOOR W/CLOSER
2. CONCRETE FLOORING W/EPOXY COATING
3. LAVATORY SINK WITH MIRROR
4. URINAL
5. TOILET (FLOOR MOUNTED)
6. TOILET PAPER DISPENSER
7. FLOOR DRAIN
8. PAPER TOWEL DISPENSER
9. ELECTRICAL PANEL – SEE ELEC
10. BASE BOARD UNIT – SEE MECH
11. ELECTRIC METER – SEE ELEC
12. WATER METER – SEE MECH
13. CONCRETE BLOCK WALL
14. METAL STUD WALL W/FIBER GLASS INSULATION
15. GYPSUM BOARD
16. 6X6 COLUMN – SEE STRUC
17. CONCRETE PAD – SEE URD
18. RAIN WATER LEADER – SEE PLUM
19. CANOPY ABOVE
20. LED LIGHT FIXTURE
21. LED WALL MOUNTED LIGHT FIXTURE W/CAGE
22. METAL ROOF DRAIN W/PVC LEADER
23. METAL OVERFLOW DRAIN W/PVC LEADER
24. ALUMINUM WINDOW FRAMING SYSTEM WITH GLAZING (AT CEILING HEIGHT)
25. NOT USED
26. BIKE FIX-IT STATION – SEE URD
27. WAY FINDING SIGNAGE
28. NOT USED
29. EXHAUST WALL CAP
30. BIKE LOOPS – SEE URD

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

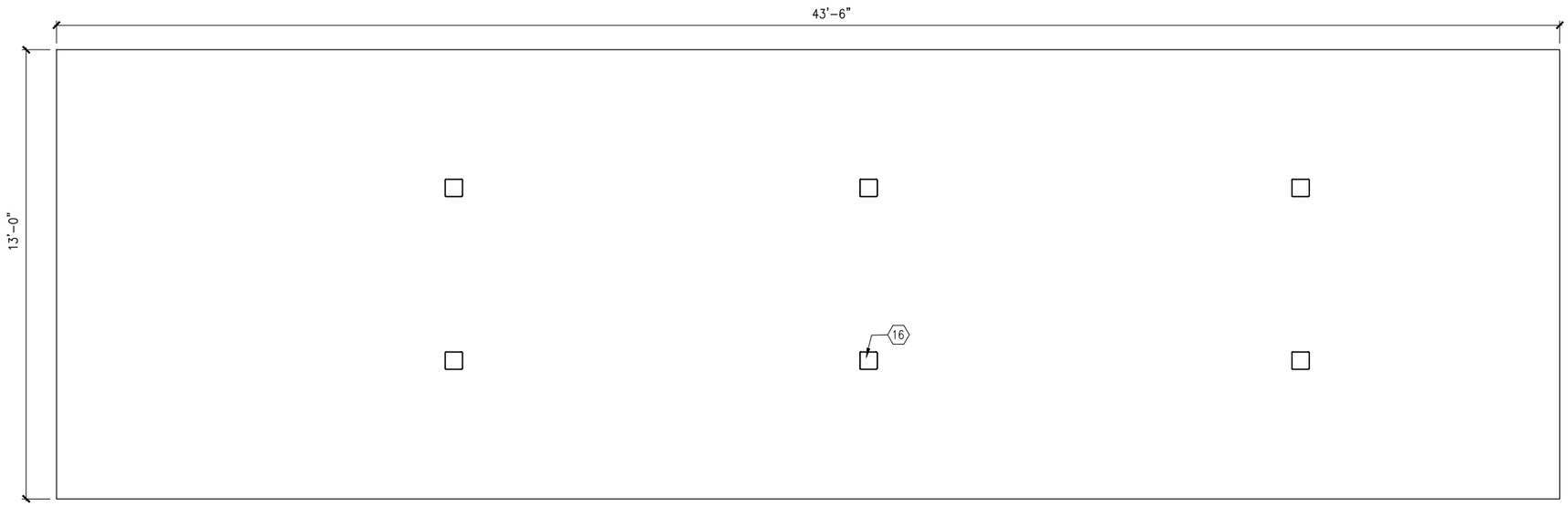
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
BIKE PARKING
PLAN, ROOF PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-HOP-ARC-PLN-901

SHEET 36 OF 510

Jan, 18 2016 10:36 am V:\3400_ADC\CAD\segment e1\plan sheets\ARCH\downtown hopkins station\E1-HOP-ARC-PLN-901.dwg By: MurphySP



1 REST ROOM FACILITY AND BIKE PARKING RCP
SCALE: 1/4"=1'-0"

SCALE 0 1 2 4

GENERAL SHEET NOTES

1. SEE SHEET Axxx FOR SPECIFIC FINISH/COLOR.
2. SEE SHEET A101 FOR SITE PLAN

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. HOLLOW METAL DOOR W/CLOSER
2. CONCRETE FLOORING W/EPOXY COATING
3. LAVATORY SINK WITH MIRROR
4. URINAL
5. TOILET (FLOOR MOUNTED)
6. TOILET PAPER DISPENSER
7. FLOOR DRAIN
8. PAPER TOWEL DISPENSER
9. ELECTRICAL PANEL – SEE ELEC
10. BASE BOARD UNIT – SEE MECH
11. ELECTRIC METER – SEE ELEC
12. WATER METER – SEE MECH
13. CONCRETE BLOCK WALL
14. METAL STUD WALL W/FIBER GLASS INSULATION
15. GYPSUM BOARD
16. 6X6 COLUMN – SEE STRUC
17. CONCRETE PAD – SEE URD
18. RAIN WATER LEADER – SEE PLUM
19. CANOPY ABOVE
20. LED LIGHT FIXTURE
21. LED WALL MOUNTED LIGHT FIXTURE W/CAGE
22. METAL ROOF DRAIN W/PVC LEADER
23. METAL OVERFLOW DRAIN W/PVC LEADER
24. ALUMINUM WINDOW FRAMING SYSTEM WITH GLAZING (AT CEILING HEIGHT)
25. NOT USED
26. BIKE FIX-IT STATION – SEE URD
27. WAY FINDING SIGNAGE
28. NOT USED
29. EXHAUST WALL CAP
30. BIKE LOOPS – SEE URD

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
BIKE PARKING

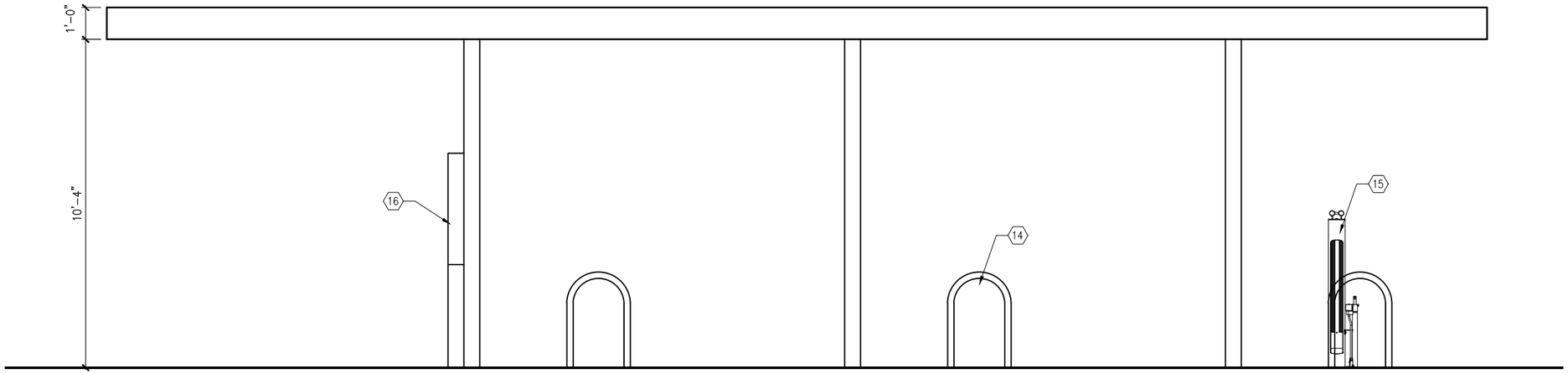
REFLECTED CEILING PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-HOP-ARC-PLN-902

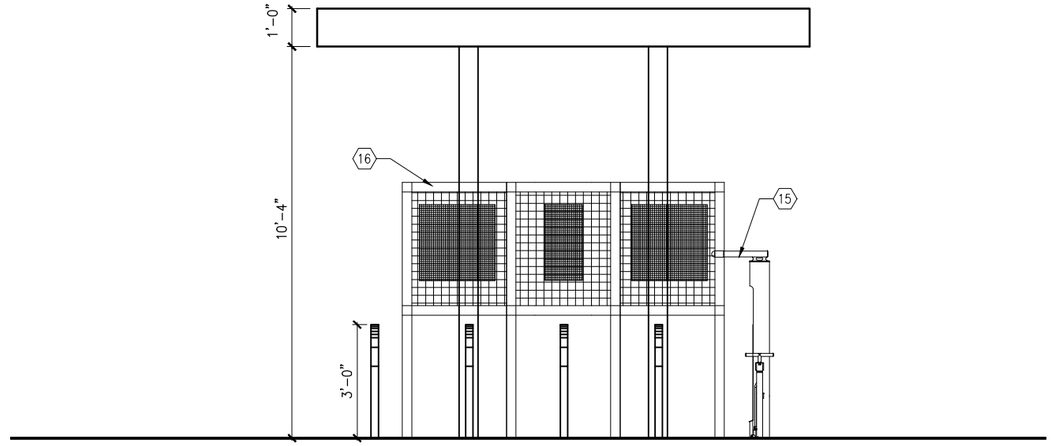
SHEET 37 OF 510

Jan, 18 2016 10:36 am V:\3400_ADC\CAD\segment e1\plan sheets\ARCH\downtown hopkins station\E1-HOP-ARC-PLN-902.dwg By: MurphySP



1 REST ROOM FACILITY – NORTH ELEVATION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE



2 REST ROOM FACILITY – WEST ELEVATION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

GENERAL SHEET NOTES

1. SEE SHEET Axxx FOR SPECIFIC FINISH/COLOR.

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ROOF/FASCIA
2. ELEC METER – SEE ELEC
3. STEEL COLUMN – SEE STRUC
4. ALUMINUM GLASS WINDOW SYSTEM
5. SOLID METAL DOOR W/METAL FRAME
6. BURNSIHED BLOCK ACCENT BAND
7. RFID CARD READER
8. BURNISHED BLOCK ACCENT COURSE
9. COLUMNS – SEE STRUC
10. CONCRETE BURNISHED BLOCK WALL
11. WALL LIGHT
12. LOCK FOR C-KEY
13. DISPLAY "VACANT / OCCUPIED"
14. BIKE PARKING LOOPS – SEE URD
15. BIKE FIX IT STATION – SEE URD
16. WAYFINDING SIGNAGE
17. NOT USED
18. EXHAUST WALL CAP

0 2 4 8
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

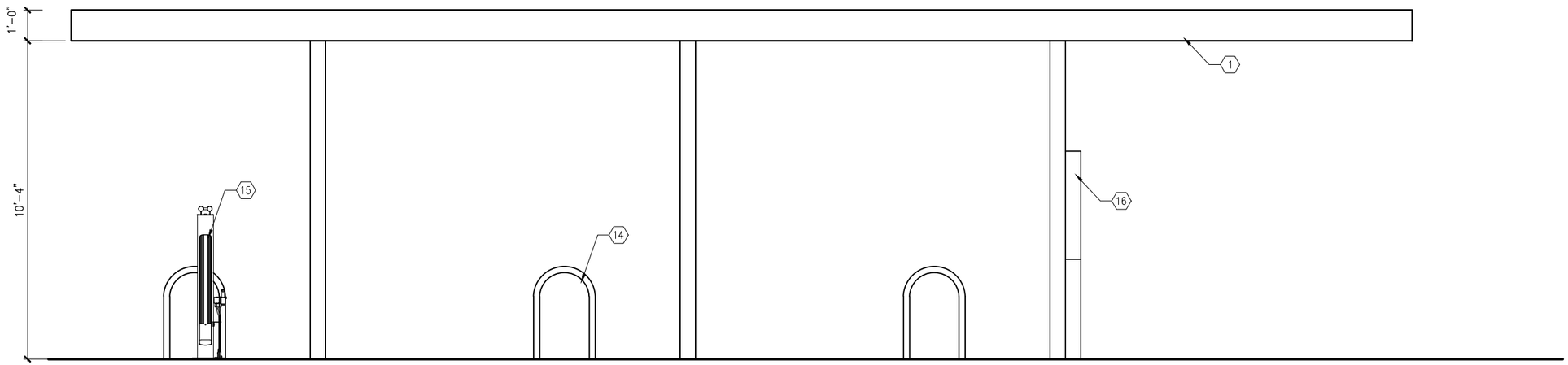
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
BIKE PARKING
ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-HOP-ARC-ELV-903

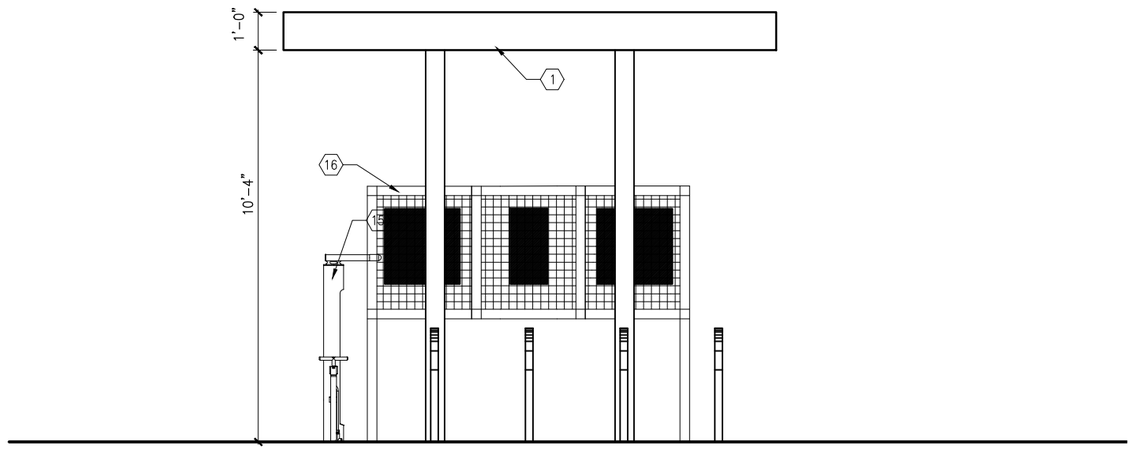
SHEET 38 OF 510

Jan, 18 2016 10:37 am V:\3400_ADC\CAD\segment e1\plan sheets\ARCH\downtown hopkins station\E1-HOP-ARC-ELV-903.dwg By: MurphySP



3 REST ROOM FACILITY – SOUTH ELEVATION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE



4 REST ROOM FACILITY –EAST ELEVATION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

GENERAL SHEET NOTES

1. SEE SHEET Axxx FOR SPECIFIC FINISH/COLOR.

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ROOF/FASCIA
2. ELEC METER – SEE ELEC
3. STEEL COLUMN – SEE STRUC
4. ALUMINUM GLASS WINDOW SYSTEM
5. SOLID METAL DOOR W/METAL FRAME
6. BURNSIHED BLOCK ACCENT BAND
7. RFID CARD READER
8. BURNISHED BLOCK ACCENT COURSE
9. COLUMNS – SEE STRUC
10. CONCRETE BURNISHED BLOCK WALL
11. WALL LIGHT
12. LOCK FOR C-KEY
13. DISPLAY "VACANT / OCCUPIED"
14. BIKE PARKING LOOPS – SEE URD
15. BIKE FIX IT STATION – SEE URD
16. WAYFINDING SIGNAGE
17. NOT USED
18. EXHAUST WALL CAP

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

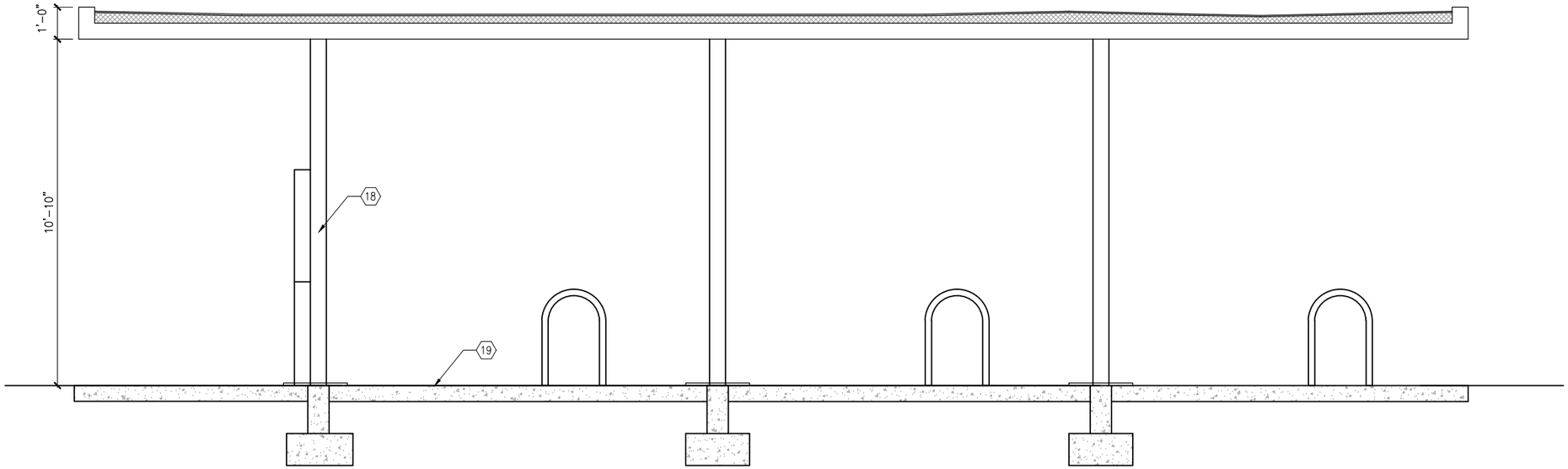
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
BIKE PARKING
ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-HOP-ARC-ELV-904

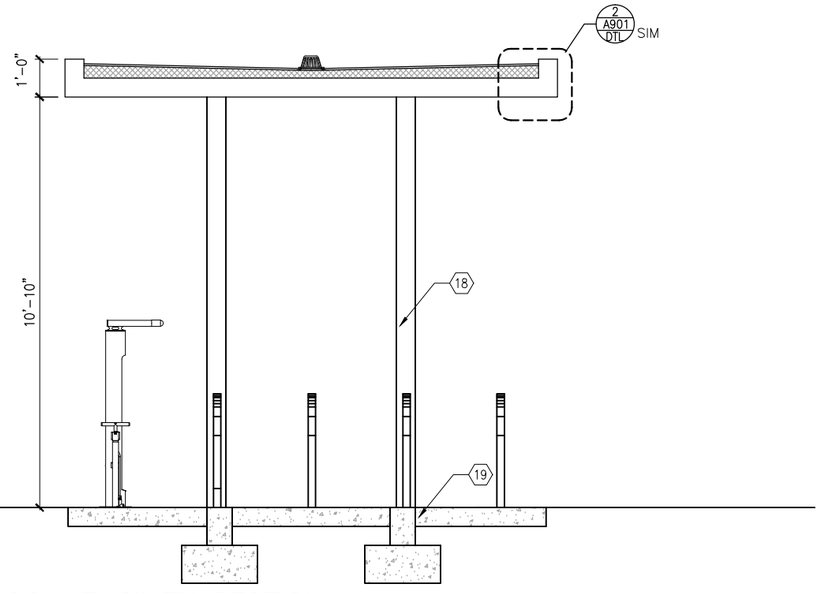
SHEET 39 OF 510

Jan, 18 2016 10:37 am v:\3400_ADC\CAD\segment e1\plan sheets\ARCH\downtown hopkins station\E1-HOP-ARC-ELV-904.dwg By: MurphySP



1 REST ROOM FACILITY SECTION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE



2 REST ROOM FACILITY SECTION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

GENERAL SHEET NOTES

1. SEE SHEET Axxx FOR SPECIFIC FINISH/COLOR.

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT FIXTURE
2. BURNISHED CONCRETE BLOCKS
3. 3" EPS
4. GYPSUM BOARD
5. 1/2" BURNISHED BLOCK ACCENT COURSE
6. HOLLOW METAL DOOR WITH CLOSER
7. ALUMINUM WINDOW FRAMING SYSTEM
8. INTERNAL LOCK WITH VACANT/OCCUPIED DISPLAY
9. COAT/BAG HOOK
10. SHEATHING
11. FINISHED CONCRETE FLOORING WITH EPOXY COATING
12. METAL DECK
13. METAL STUDS W/BATT INSULATION
14. NOT USED
15. ROOF INSULATION (EPS)
16. ROOFING SYSTEM
17. CONCRETE SLAB AND FOOTING – SEE STRUC
18. 6X6 COLUMN – SEE STRUC
19. CONCRETE PAVING – SEE URD
20. STAINLESS STEEL SUPPORT BAR

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

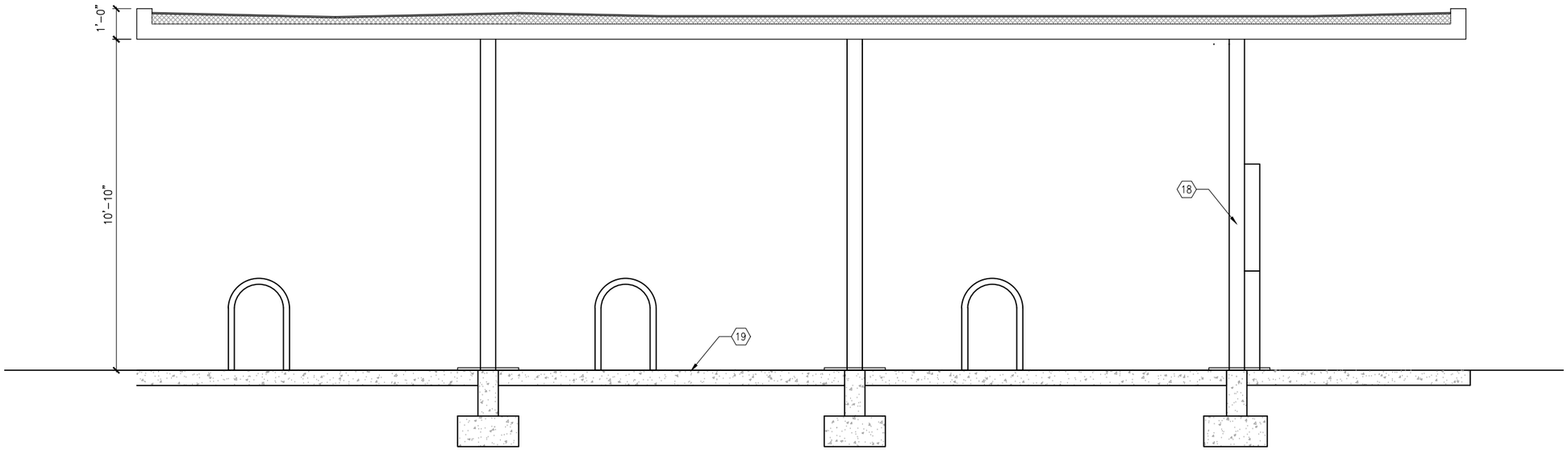
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
BIKE PARKING
SECTIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-HOP-ARC-SCT-905

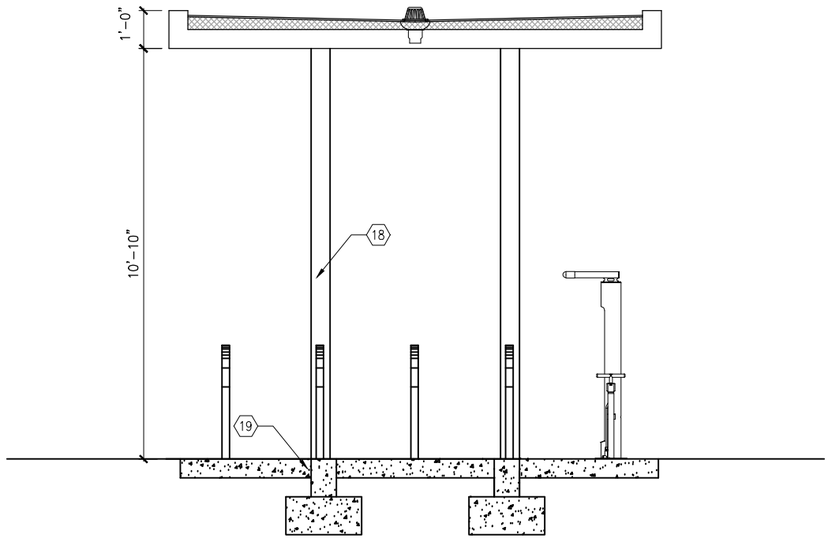
SHEET 40 OF 510

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3 REST ROOM FACILITY SECTION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE



4 REST ROOM FACILITY SECTION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

GENERAL SHEET NOTES

1. SEE SHEET Axxx FOR SPECIFIC FINISH/COLOR.

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT FIXTURE
2. BURNISHED CONCRETE BLOCKS
3. 3" EPS
4. GYPSUM BOARD
5. 1/2" BURNISHED BLOCK ACCENT COURSE
6. HOLLOW METAL DOOR WITH CLOSER
7. ALUMINUM WINDOW FRAMING SYSTEM
8. INTERNAL LOCK WITH VACANT/OCCUPIED DISPLAY
9. COAT/BAG HOOK
10. SHEATHING
11. FINISHED CONCRETE FLOORING WITH EPOXY COATING
12. METAL DECK
13. METAL STUDS W/BATT INSULATION
14. NOT USED
15. ROOF INSULATION (EPS)
16. ROOFING SYSTEM
17. CONCRETE SLAB AND FOOTING – SEE STRUC
18. 6X6 COLUMN – SEE STRUC
19. CONCRETE PAVING – SEE URD
20. STAINLESS STEEL SUPPORT BAR

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

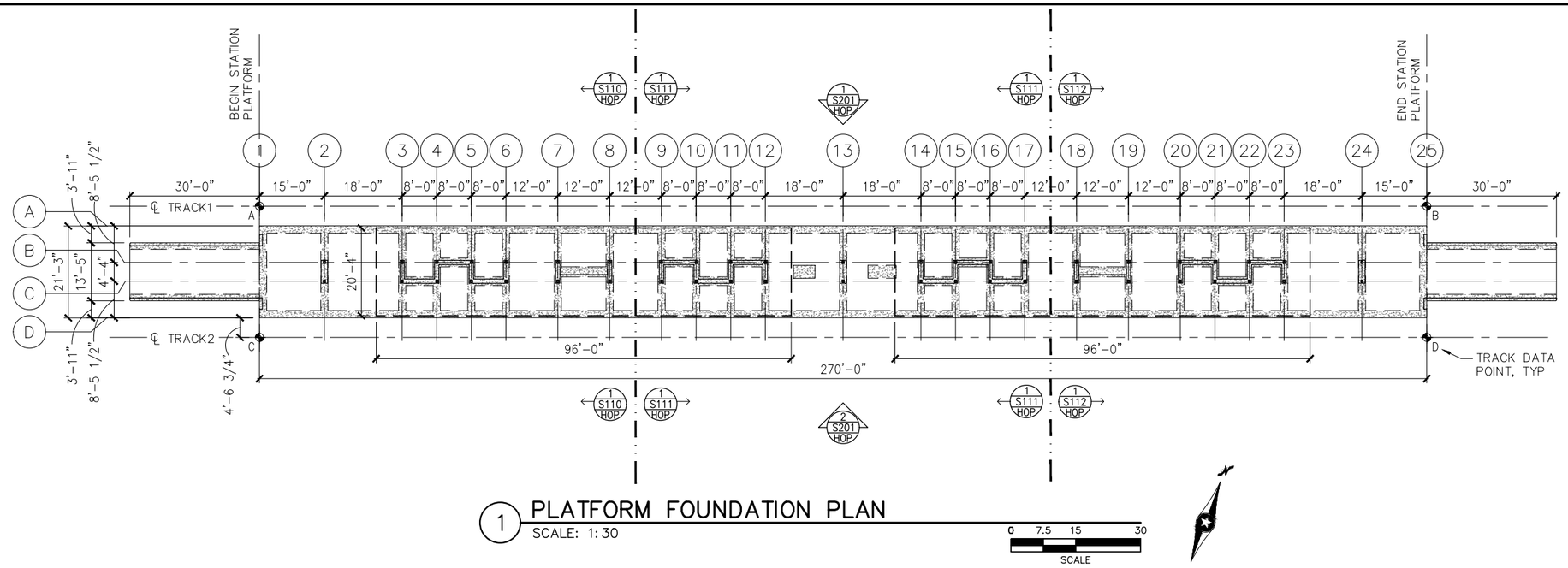
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
BIKE PARKING
SECTIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-HOP-ARC-SCT-906

SHEET 41 OF 510

Jan, 18 2016 10:38 am v:\3400_ADC\CAD\segment e1\plan sheets\ARCH\downtown hopkins station\E1-HOP-ARC-SCT-906.dwg By: MurphySP



1 PLATFORM FOUNDATION PLAN

SCALE: 1:30

SCALE 0 7.5 15 30

TRACK DATA

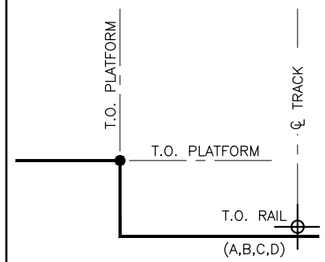
℄ ELEV 100'-0" (LOCATION ON PLAN)

TRACK 1 EL 100'-0"= 923.82 (PT 'A')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING	
A	923.82	1510+77.19	
B	924.31	1513+47.19	

TRACK 2 EL 100'-0"= 923.82 (PT 'C')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING	
C	923.82	2510+77.19	
D	924.31	2513+47.19	



SECTION DIAGRAM AT PLATFORM EDGE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
PLATFORM FOUNDATION PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E1-HOP-STR-PLN-101

SHEET 42 OF 510

Jan. 14 2016 02:45 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E1\PLAN SHEETS\STRUCTURES\DOWNTOWN HOPKINS STATION\E1-HOP-STR-PLN-101.dwg By: jordanl

DOWNTOWN HOPKINS

DOWNTOWN HOPKINS STATION PLATFORM

REFERENCE GRID	DISTANCE FROM BEGIN PLATFORM (FT)	T.O. TOPPING ELEVATION	T.O. STR. SLAB ELEVATION	T.O. TOPPING ELEVATION AT "L7"	B.O. BASEPLATE ELEVATION	T.O. WALL ELEVATION	T.O. LOWER HSS4X6 ELEVATION	T.O. UPPER HSS4X6 ELEVATION	T.O. W8X31 ELEVATION	T.O. W6X15 ELEVATION	T.O. HSS6X6X1/2 ELEVATION	H1 (T.O. SLAB TO T.O. WALL) (FT)
1	0	924.99	924.65	924.92								
2	15	925.01	924.68	924.94	923.26	926.51					943.51	1.83
3	33	925.05	924.71	924.98	923.30	927.04	933.54	938.71	937.21	943.71	943.71	2.33
4	41	925.06	924.73	924.99	923.31	927.04	933.54	938.71	937.21	943.71	943.71	2.31
5	49	925.07	924.74	925.00	923.32	927.04	933.54	938.71	937.21	943.71	943.71	2.30
6	57	925.09	924.76	925.02	923.34	927.04	933.54		937.21			2.28
7	**69**	**925.11**	**924.78**	**925.04**	**923.36**	**926.63**			**937.21**			**1.85**
8	**81**	**925.13**	**924.80**	**925.06**	**923.38**	**926.63**			**937.21**			**1.83**
9	93	925.15	924.82	925.08	923.40	927.04	933.54	938.71	937.21	943.71	943.71	2.22
10	101	925.17	924.84	925.10	923.42	927.04	933.54	938.71	937.21	943.71	943.71	2.20
11	109	925.18	924.85	925.11	923.43	927.04	933.54	938.71	937.21	943.71	943.71	2.19
12	117	925.20	924.86	925.13	923.45	927.04	933.54	938.71	937.21	943.71	943.71	2.18
13	135	925.23	924.90	925.16	923.48	926.73					943.73	1.83
14	153	925.26	924.93	925.19	923.51	927.26	933.76	938.92	937.42	943.92	943.92	2.33
15	161	925.28	924.94	925.21	923.53	927.26	933.76	938.92	937.42	943.92	943.92	2.31
16	169	925.29	924.96	925.22	923.54	927.26	933.76	938.92	937.42	943.92	943.92	2.30
17	177	925.31	924.97	925.24	923.56	927.26	933.76	938.92	937.42	943.92	943.92	2.28
18	**189**	**925.33**	**924.99**	**925.26**	**923.58**	**926.85**			**937.42**			**1.85**
19	**201**	**925.35**	**925.02**	**925.28**	**923.60**	**926.85**			**937.42**			**1.83**
20	213	925.37	925.04	925.30	923.62	927.26	933.76		937.42			2.22
21	221	925.38	925.05	925.31	923.63	927.26	933.76	938.92	937.42	943.92	943.92	2.20
22	229	925.40	925.07	925.33	923.65	927.26	933.76	938.92	937.42	943.92	943.92	2.19
23	237	925.41	925.08	925.34	923.66	927.26	933.76	938.92	937.42	943.92	943.92	2.18
24	255	925.45	925.11	925.38	923.70	926.95					943.95	1.83
25	270	925.47	925.14	925.40								

GENERAL NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.

REFERENCE TABLE NOTES

1. TOP OF PLATFORM ELEVATION (TOPPING SLAB) SHALL BE 4"(±) ABOVE TOP OF STRUCTURAL SLAB ELEVATION AS INDICATED IN TABLE.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

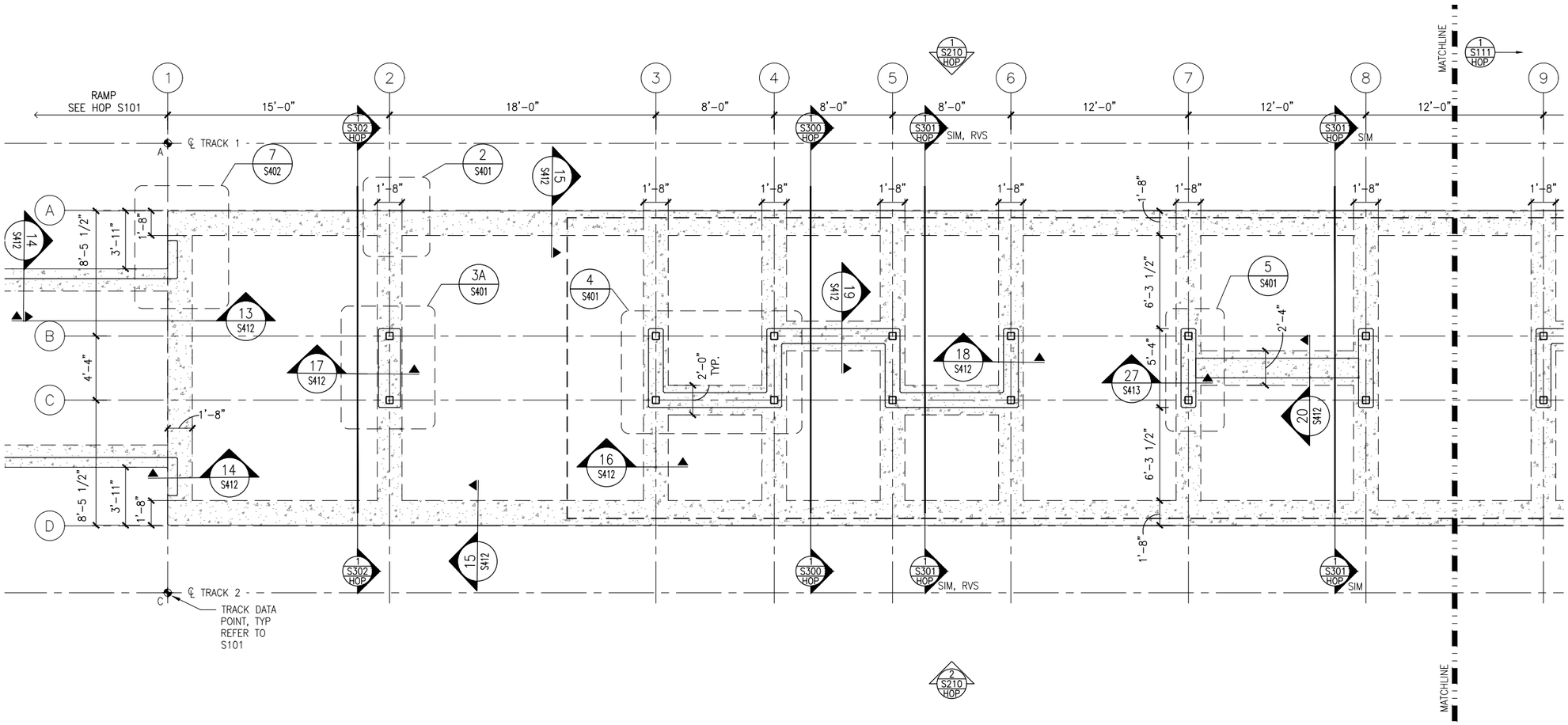
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
STATION REFERENCE TABLE

DISCIPLINE: STRUCTURES

SHEET NAME: E1-HOP-STR-SCH-102

SHEET 43 OF 510

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1 WEST PARTIAL FOUNDATION PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.
3. SEE VOLUME 11E FOR COMMON DETAILS.

FLOOR PLAN NOTES

1. FOR HEIGHTS AND LOCATIONS OF KNEE WALLS, SEE ARCH. DWGS.
2. FOR TYPICAL COLUMN BASE PLATE DETAILS SEE DWG. XXXXXX.
3. "GB-X" INDICATES GRADE BEAM MARK.
4. SLAB ON GRADE SHALL BEAR ON ENGINEERED FILL, REINF. W/ 4x4-W4.0xW4.0 W.W.F. TOP, W/ 1" CLR. COVER.

SCHEDULES or LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

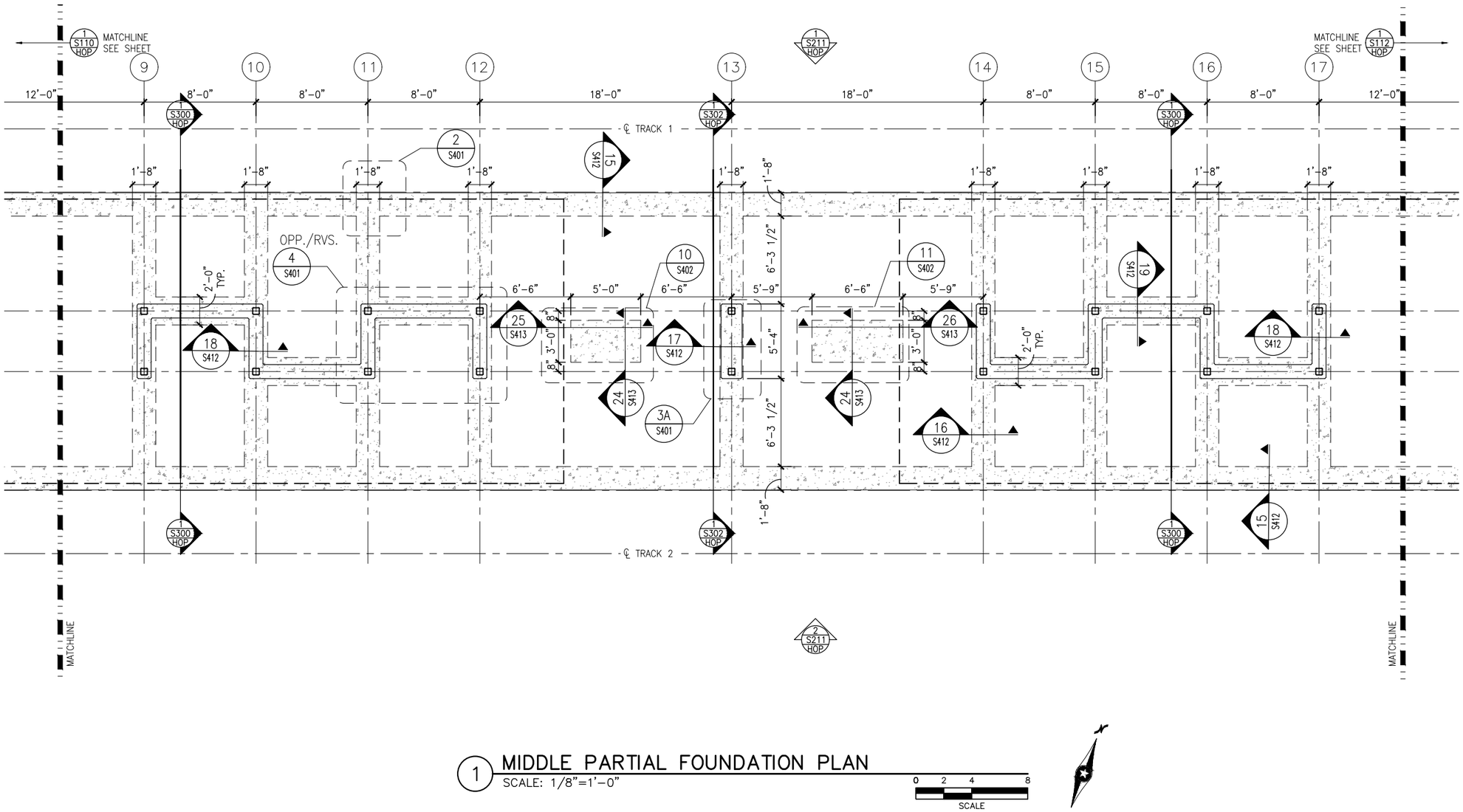
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
WEST PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E1-HOP-STR-PLN-110

SHEET 44 OF 510

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1 MIDDLE PARTIAL FOUNDATION PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.
3. SEE VOLUME 11E FOR COMMON DETAILS.

FLOOR PLAN NOTES

1. FOR HEIGHTS AND LOCATIONS OF KNEE WALLS, SEE ARCH. DWGS.
2. FOR TYPICAL COLUMN BASE PLATE DETAILS SEE DWG. XXXXXX.
3. "GB-X" INDICATES GRADE BEAM MARK.
4. SLAB ON GRADE SHALL BEAR ON ENGINEERED FILL, REINF. W/ 4x4-W4.0xW4.0 W.W.F. TOP, W/ 1" CLR. COVER.

SCHEDULES or LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

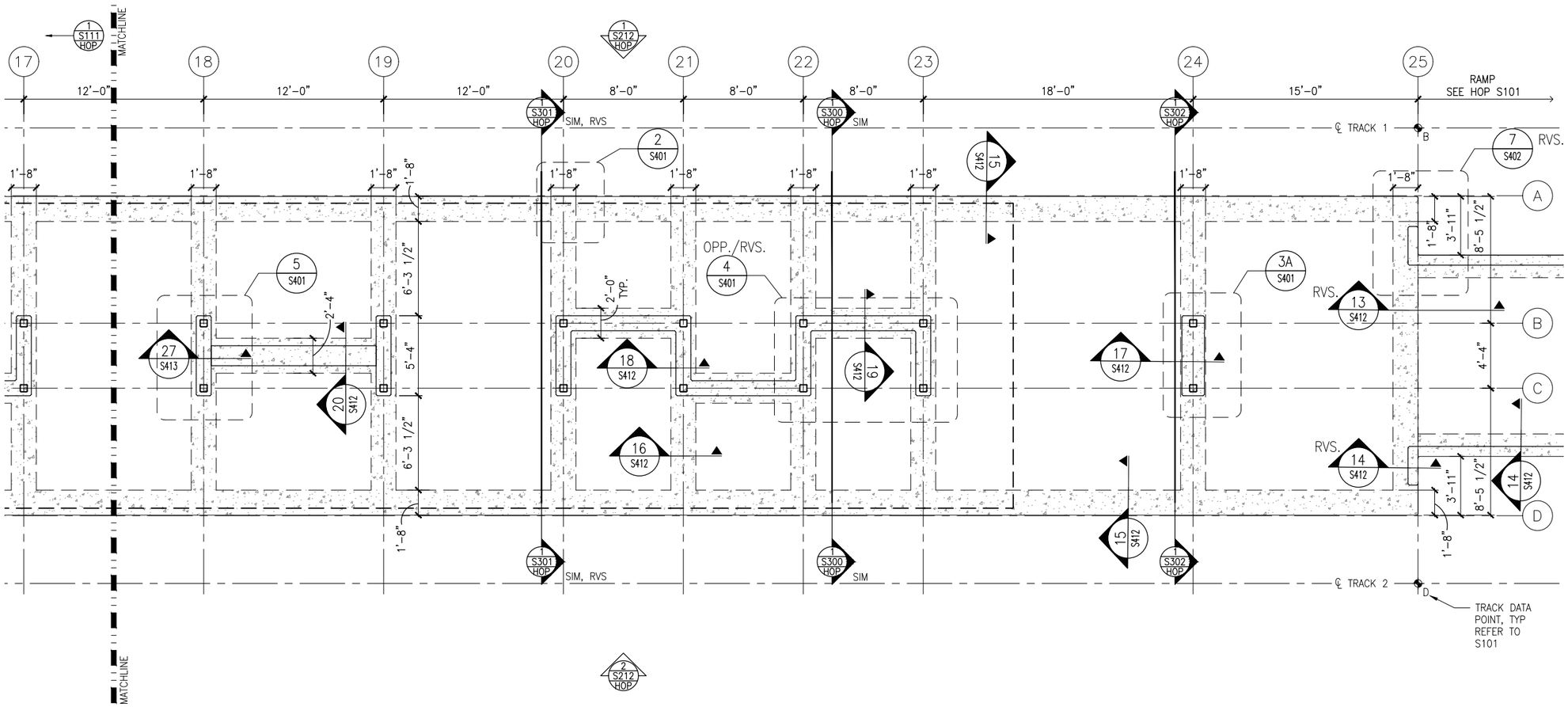
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
MIDDLE PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E1-HOP-STR-PLN-111

SHEET 45 OF 510

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1 EAST PARTIAL FOUNDATION PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.
3. SEE VOLUME 11E FOR COMMON DETAILS.

FLOOR PLAN NOTES

1. FOR HEIGHTS AND LOCATIONS OF KNEE WALLS, SEE ARCH. DWGS.
2. FOR TYPICAL COLUMN BASE PLATE DETAILS SEE DWG. XXXXXX.
3. "GB-X" INDICATES GRADE BEAM MARK.
4. SLAB ON GRADE SHALL BEAR ON ENGINEERED FILL, REINF. W/ 4x4-W4.0xW4.0 W.W.F. TOP, W/ 1" CLR. COVER.

SCHEDULES or LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

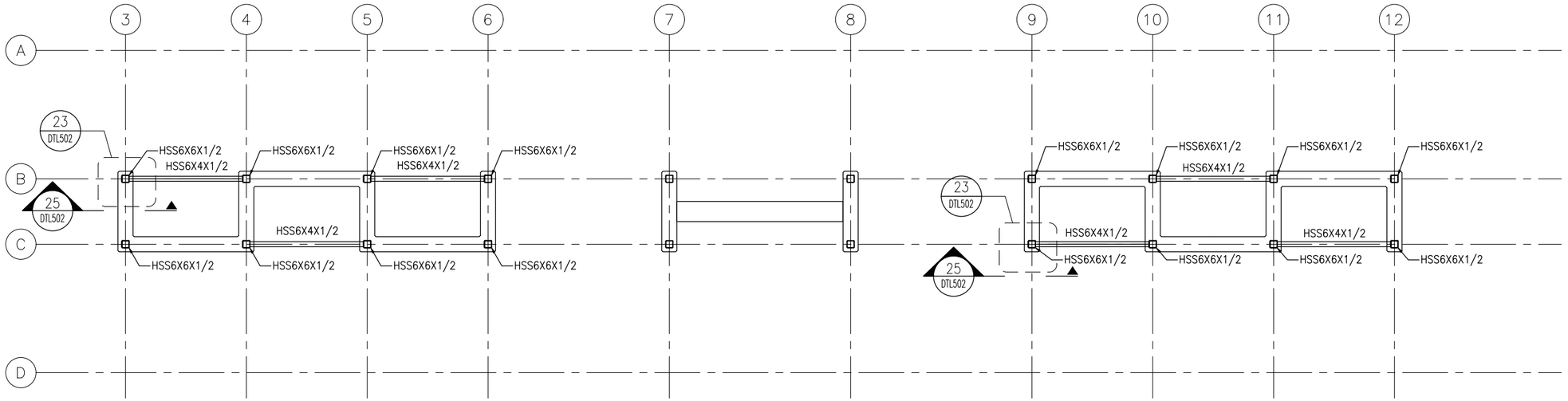
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
EAST PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E1-HOP-STR-PLN-112

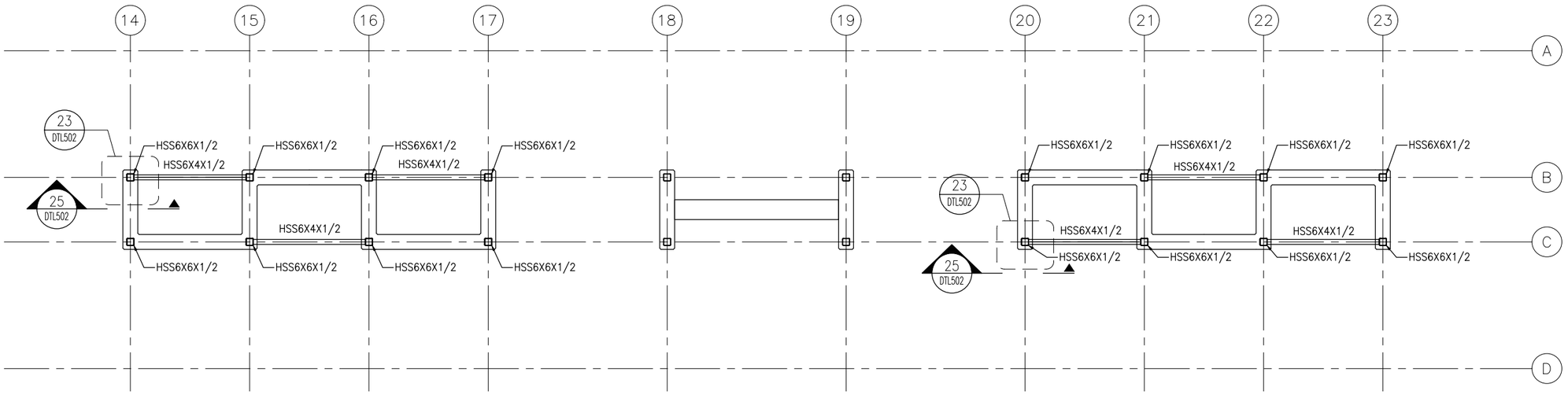
SHEET 46 OF 510

Jan, 14 2016 02:48 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E1\PLAN SHEETS\S



1 INTERMEDIATE FRAMING PLAN – WEST CANOPY
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 INTERMEDIATE FRAMING PLAN – EAST CANOPY
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

SHEET NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.
3. SEE VOLUME 11E FOR COMMON DETAILS.

KEY NOTES

1. [ ] INDICATES SPAN DIRECTION OF ROOF METAL DECK. SEE ARCH. DWGS.
2. [ ] DENOTES PREQUALIFIED SHOP OR FIELD WELDED CONNECTION.
3. BC DENOTES BOLTED CONNECTION, FOR TYPICAL BEAM TO BEAM BOLTED CONNECTIONS AND SIMILAR DETAILS SEE DWG. XXXXXXX & XXXXXXX

LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

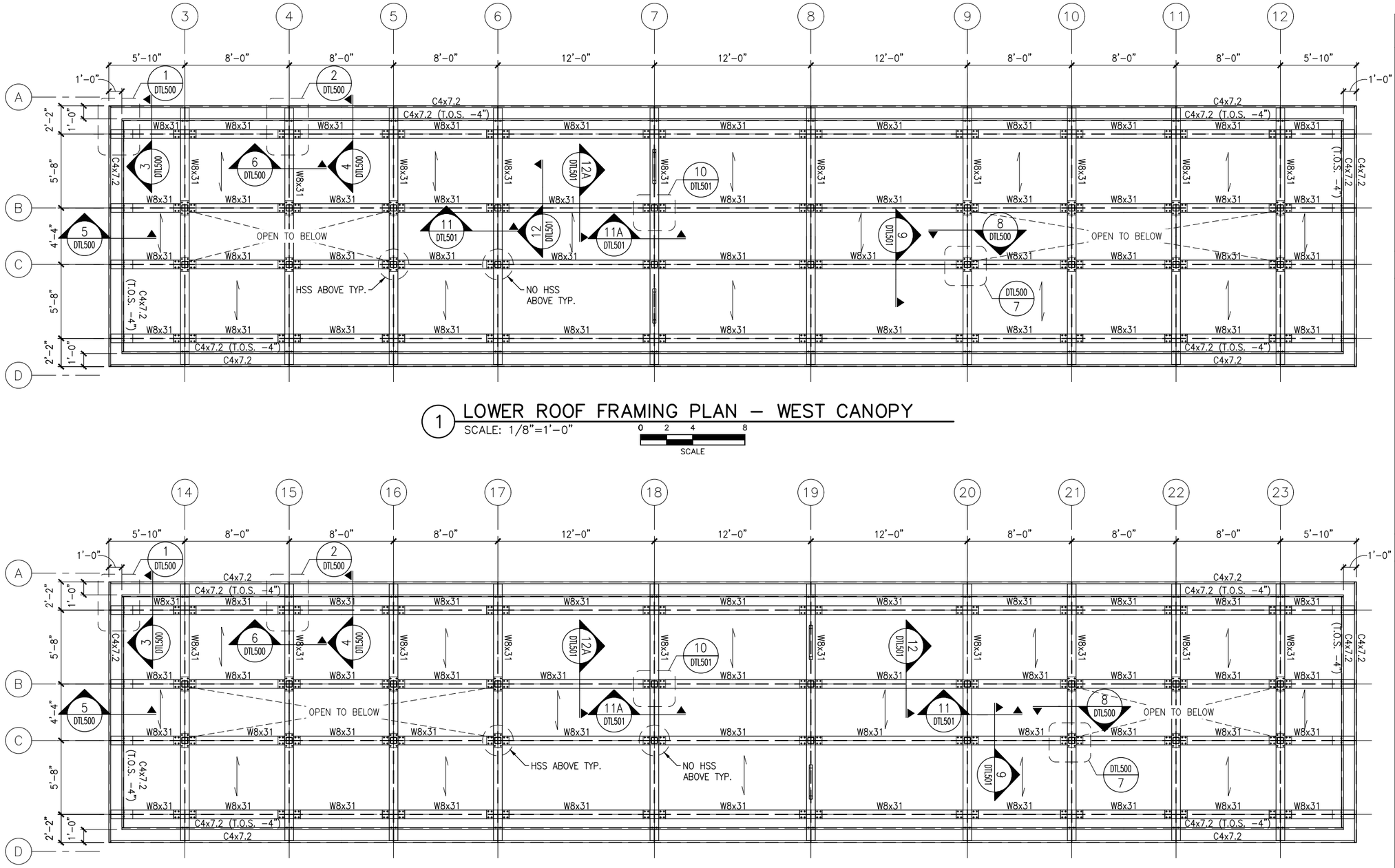
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
INTERMEDIATE FRAMING PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E1-HOP-STR-PLN-140

SHEET 47 OF 510

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1 LOWER ROOF FRAMING PLAN – WEST CANOPY
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

2 LOWER ROOF FRAMING PLAN – EAST CANOPY
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

SHEET NOTES

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2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.
3. SEE VOLUME 11E FOR COMMON DETAILS.

KEY NOTES

1. [ ] INDICATES SPAN DIRECTION OF ROOF METAL DECK. SEE ARCH. DWGS.
2. [ ] DENOTES PREQUALIFIED SHOP OR FIELD WELDED CONNECTION.
3. BC DENOTES BOLTED CONNECTION, FOR TYPICAL BEAM TO BEAM BOLTED CONNECTIONS AND SIMILAR DETAILS SEE DWG. XXXXXXX & XXXXXXX

LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

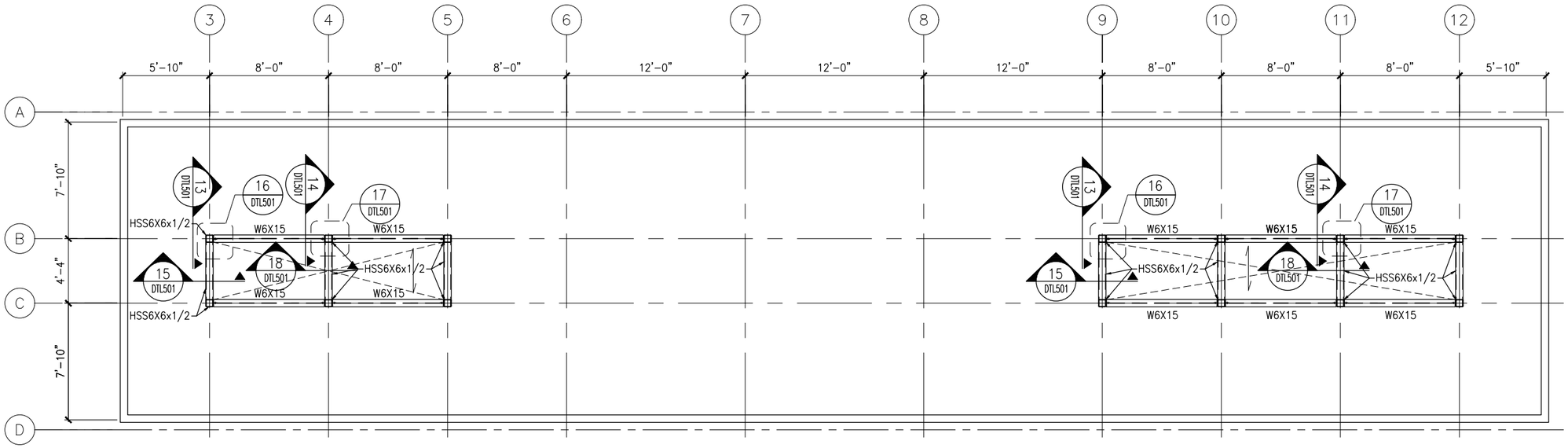
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
LOWER ROOF FRAMING PLANS

DISCIPLINE: STRUCTURES

SHEET NAME: E1-HOP-STR-PLN-150

SHEET 48 OF 510

Jan, 14 2016 02:48 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E1\PLAN SHEETS\STR

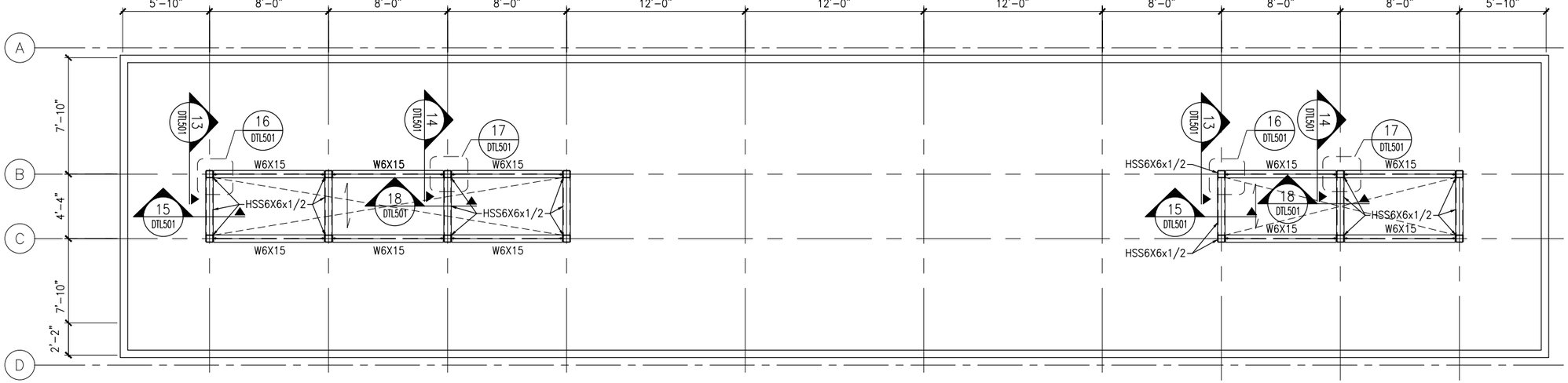


1 UPPER ROOF FRAMING PLAN – WEST CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8

SCALE



2 UPPER ROOF FRAMING PLAN – EAST CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8

SCALE

SHEET NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.
3. SEE VOLUME 11E FOR COMMON DETAILS.

KEY NOTES

1. [ ] INDICATES SPAN DIRECTION OF ROOF METAL DECK. SEE ARCH. DWGS.
2. [ ] DENOTES PREQUALIFIED SHOP OR FIELD WELDED CONNECTION.
3. BC DENOTES BOLTED CONNECTION, FOR TYPICAL BEAM TO BEAM BOLTED CONNECTIONS AND SIMILAR DETAILS SEE DWG. XXXXXXX & XXXXXXX

LEGEND

STEEL COLUMN

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SOUTHWEST Green Line LRT Extension

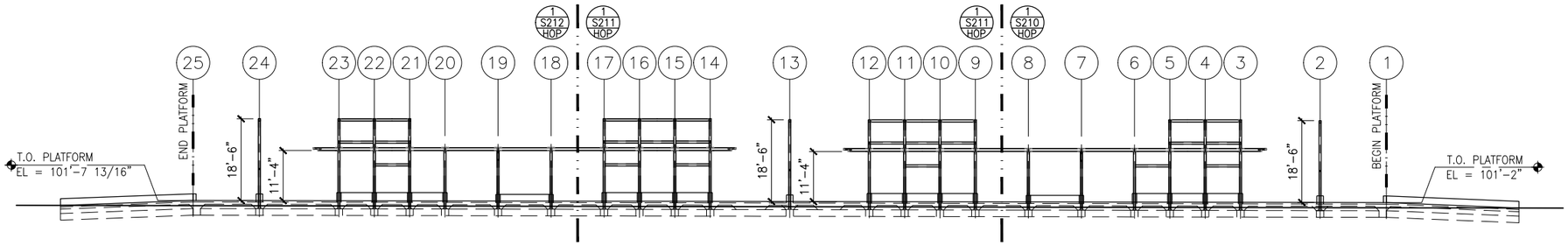
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
UPPER ROOF FRAMING PLANS

DISCIPLINE: STRUCTURES

SHEET NAME: E1-HOP-STR-PLN-151

SHEET 49 OF 510

Jan, 14 2016 02:49 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E1\PLAN SHEETS\STRUCTURES\DOWNTOWN HOPKINS STATION\E1-HOP-STR-PLN-151.dwg By: jordanl

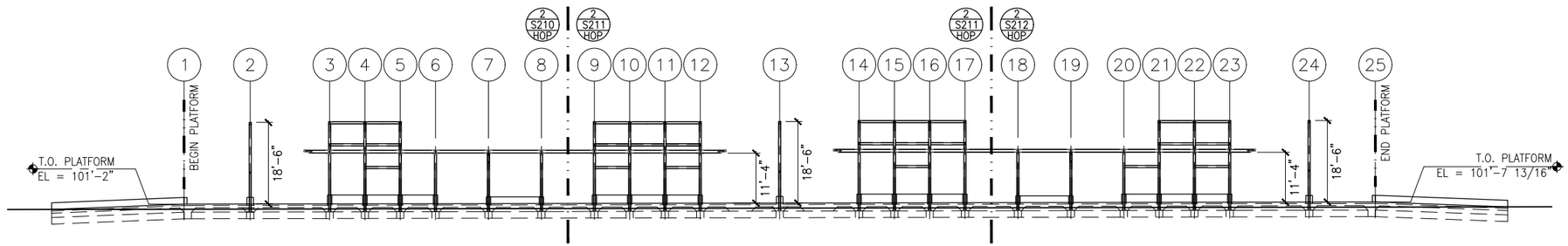


1 TRACK 1 ELEVATION – FRAMING

SCALE: 1:30 (0.18% SLOPE)*

0 7.5 15 30

SCALE



2 TRACK 2 ELEVATION – FRAMING

SCALE: 1:30 (0.18% SLOPE)*

0 7.5 15 30

SCALE

*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

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SOUTHWEST Green Line LRT Extension

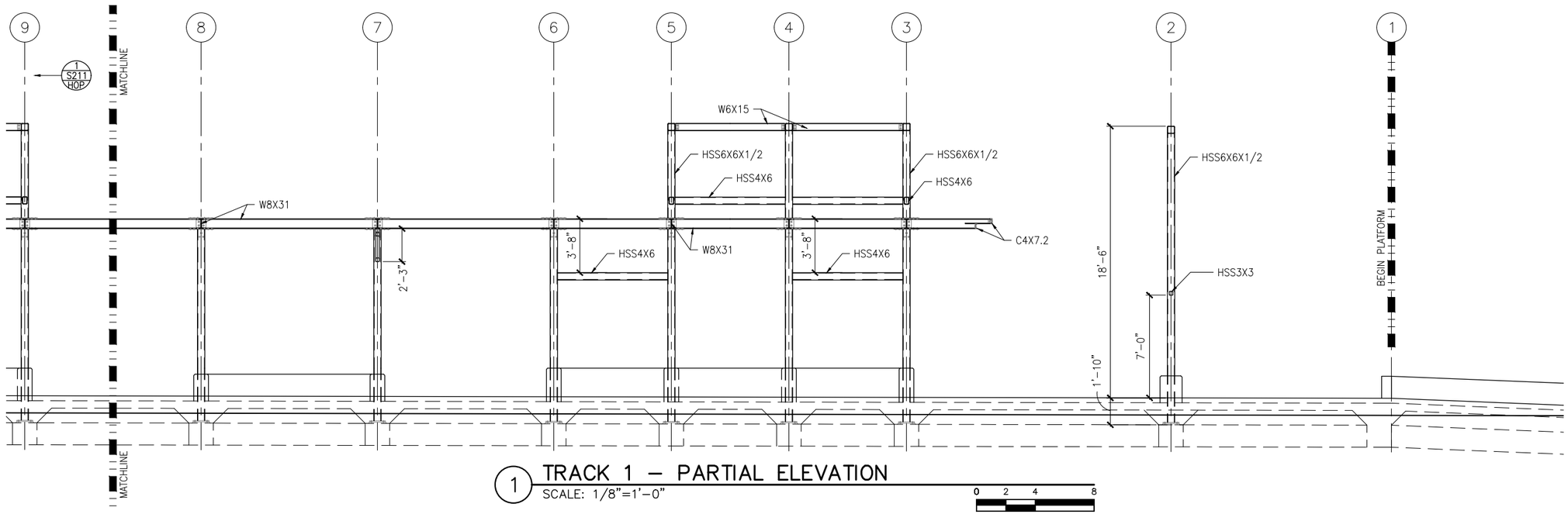
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
ELEVATIONS -- FRAMING

DISCIPLINE: STRUCTURES

SHEET NAME: E1-HOP-STR-ELV-201

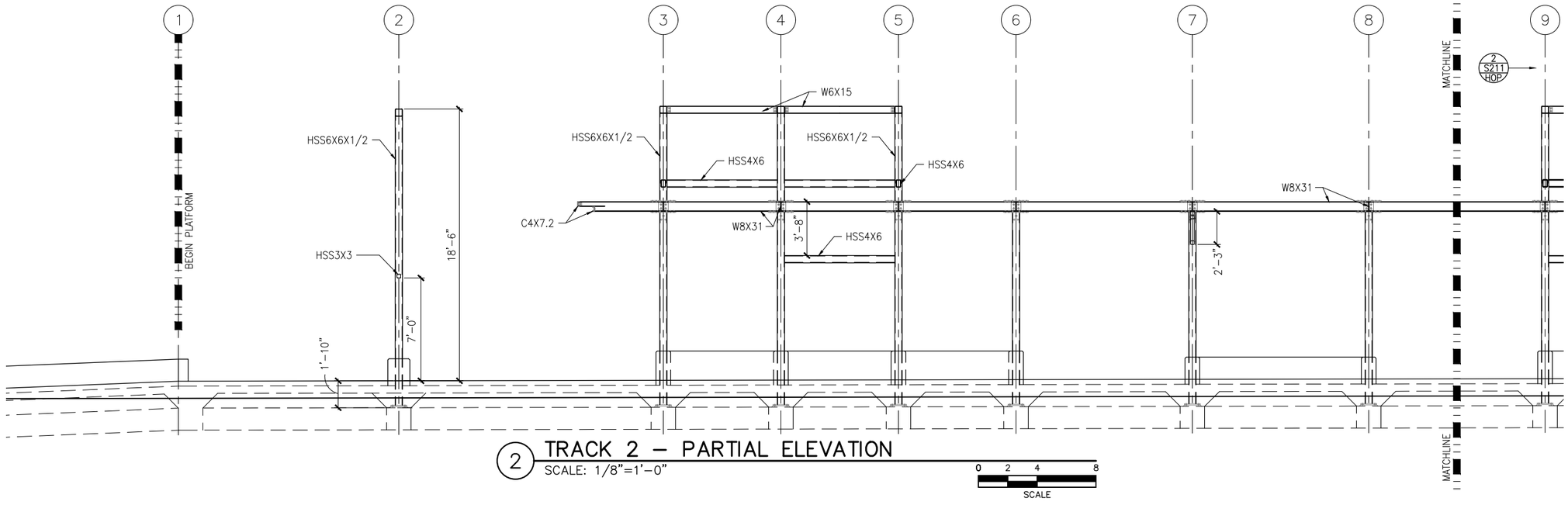
SHEET 50 OF 510

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1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

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SOUTHWEST Green Line LRT Extension

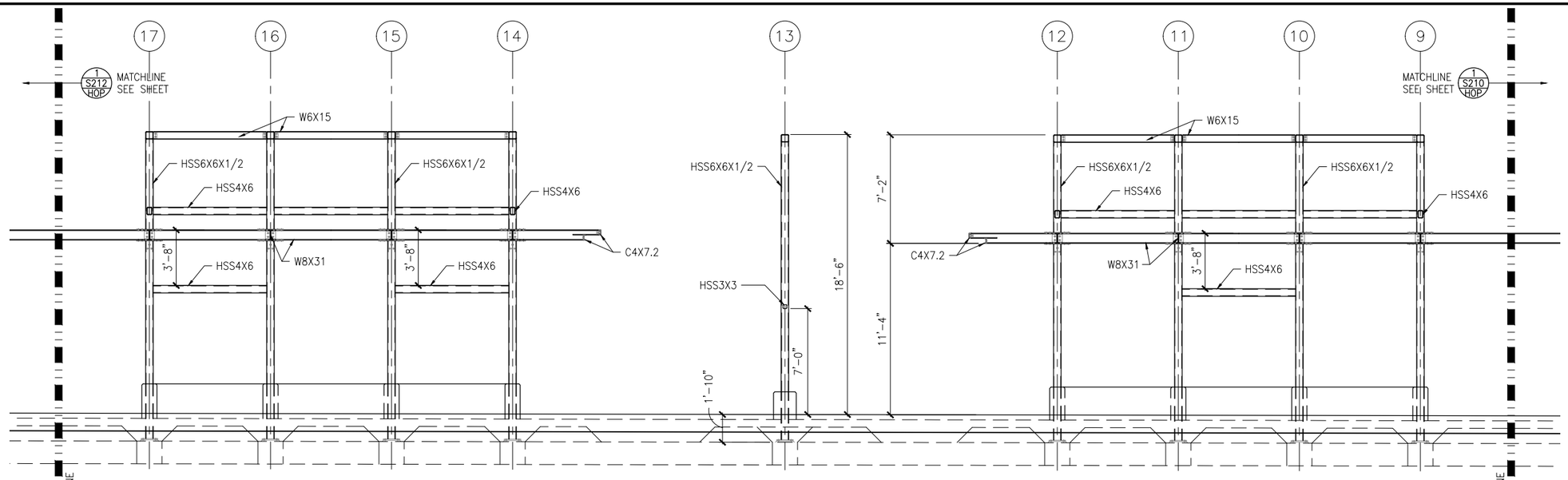
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
WEST PARTIAL ELEVATIONS -- FRAMING

DISCIPLINE: STRUCTURES

SHEET NAME: E1-HOP-STR-ELV-210

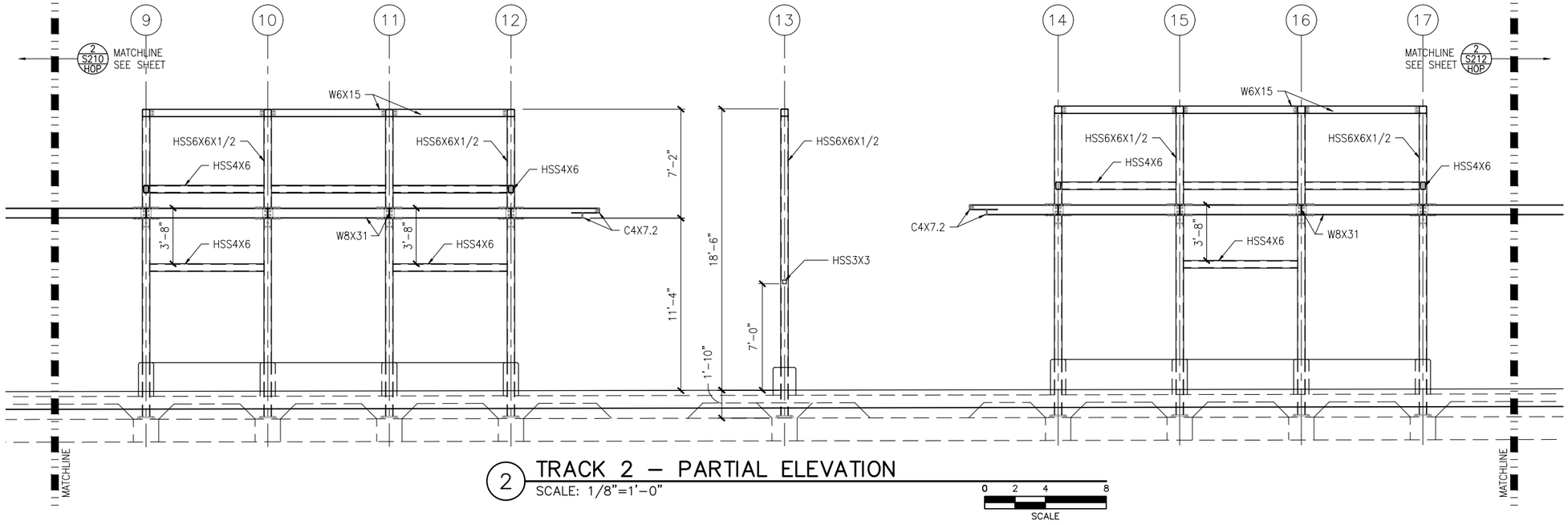
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1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

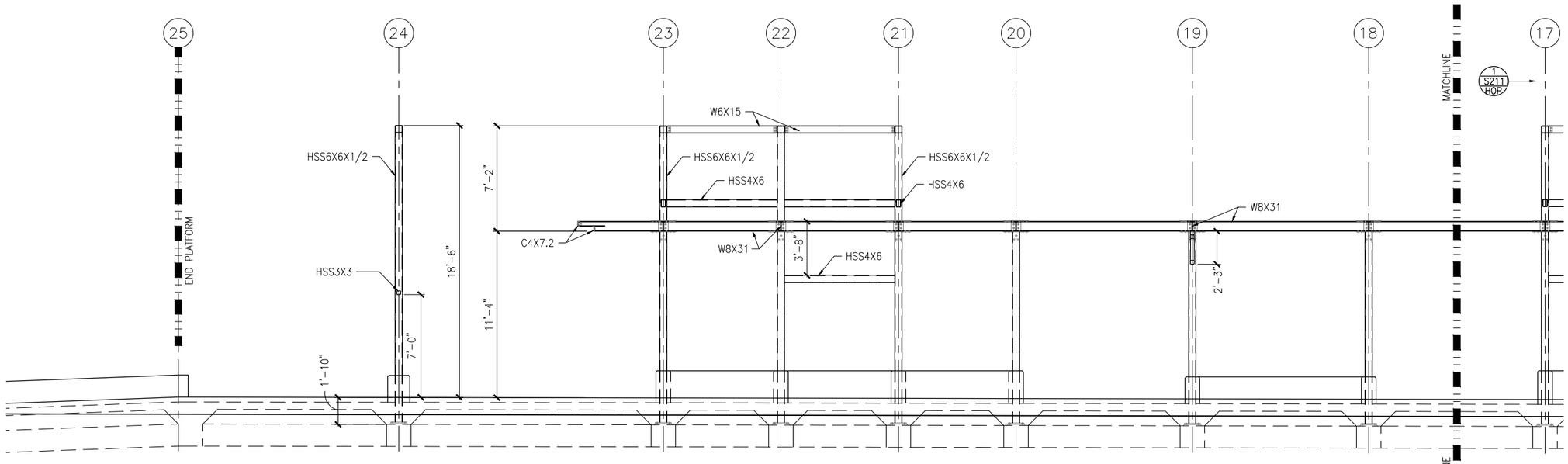
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
MIDDLE PARTIAL ELEVATIONS -- FRAMING

DISCIPLINE: STRUCTURES

SHEET NAME: E1-HOP-STR-ELV-211

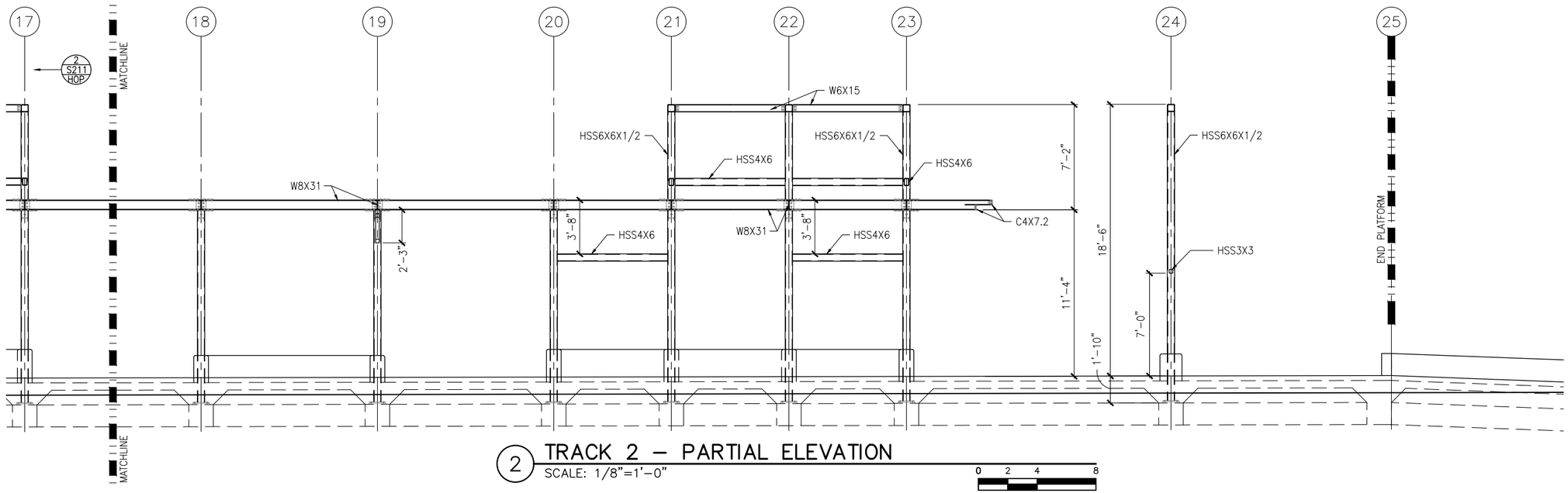
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1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

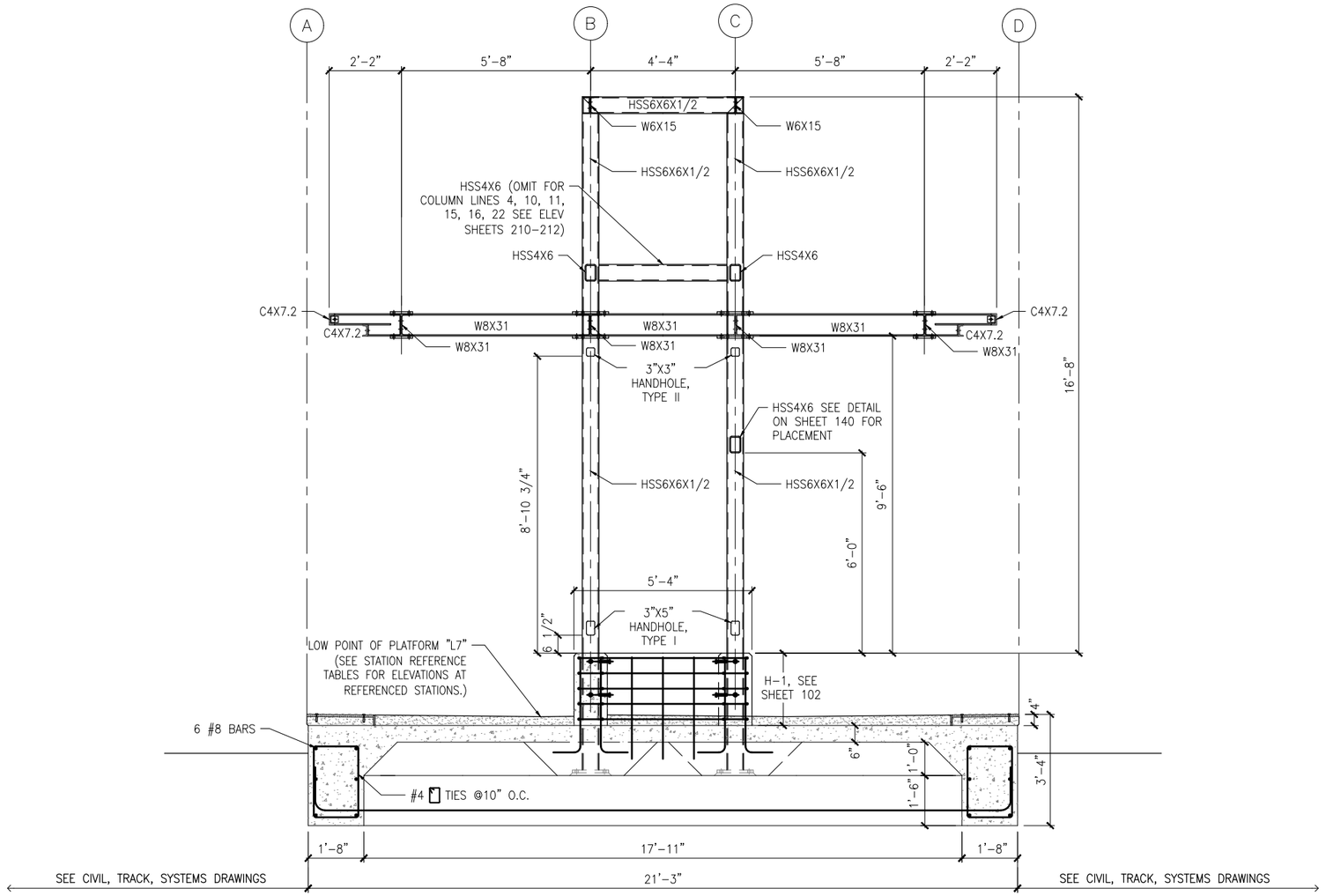
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
EAST PARTIAL ELEVATIONS -- FRAMING

DISCIPLINE: STRUCTURES

SHEET NAME: E1-HOP-STR-ELV-212

SHEET 53 OF 510

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1 TYPICAL PLATFORM SECTION

SCALE:1/4"=1'-0"

0 1 2 4
SCALE

TYPICAL AT COL. LINES 3, 4, 5, 9, 10, 11, 12, 14, 15, 16, 17, 21, 22, 23
HSS4X6 LOCATED ON COL. LINE B BETWEEN COLUMNS 3-4, 5-6, 10-11, 14-15, 16-17, 21-22
HSS4X6 LOCATED ON COL. LINE C BETWEEN COLUMNS 4-5, 9-10, 11-12, 15-16, 20-21, 22-23
SEE PLN FOR LOCATION OF CONC FDN WALL

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SOUTHWEST Green Line LRT Extension

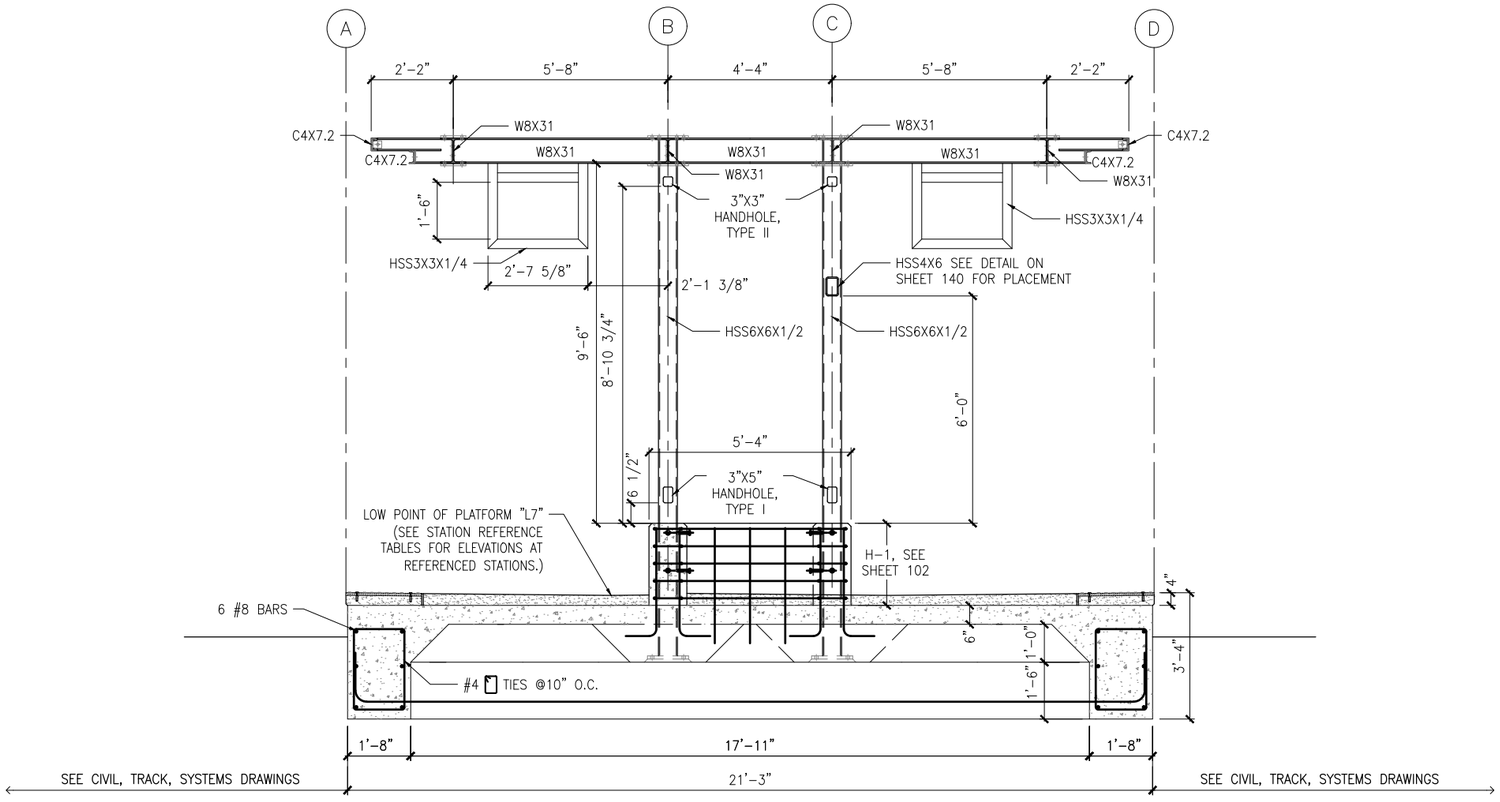
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
TYPICAL PLATFORM SECTION

DISCIPLINE: STRUCTURES

SHEET NAME: E1-HOP-STR-SCT-300

SHEET 54 OF 510

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1 TYPICAL PLATFORM SECTION

SCALE:1/4"=1'-0"

0 1 2 4
SCALE

TYPICAL AT COL. LINES 6, 7, 8, 18, 19, 20
HSS4X6 LOCATED ON COL. LINE B BETWEEN COLUMNS 3-4, 5-6, 10-11, 14-15, 16-17, 21-22
HSS4X6 LOCATED ON COL. LINE C BETWEEN COLUMNS 4-5, 9-10, 11-12, 15-16, 20-21, 22-23
HSS4X6 NOT INSTALLED AT COL. LINES 7, 8, 18, 19
SEE PLN FOR LOCATION OF CONC FDN WALL
VMS SUPPORTS AT COL. LINES 7 & 19

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SOUTHWEST Green Line LRT Extension

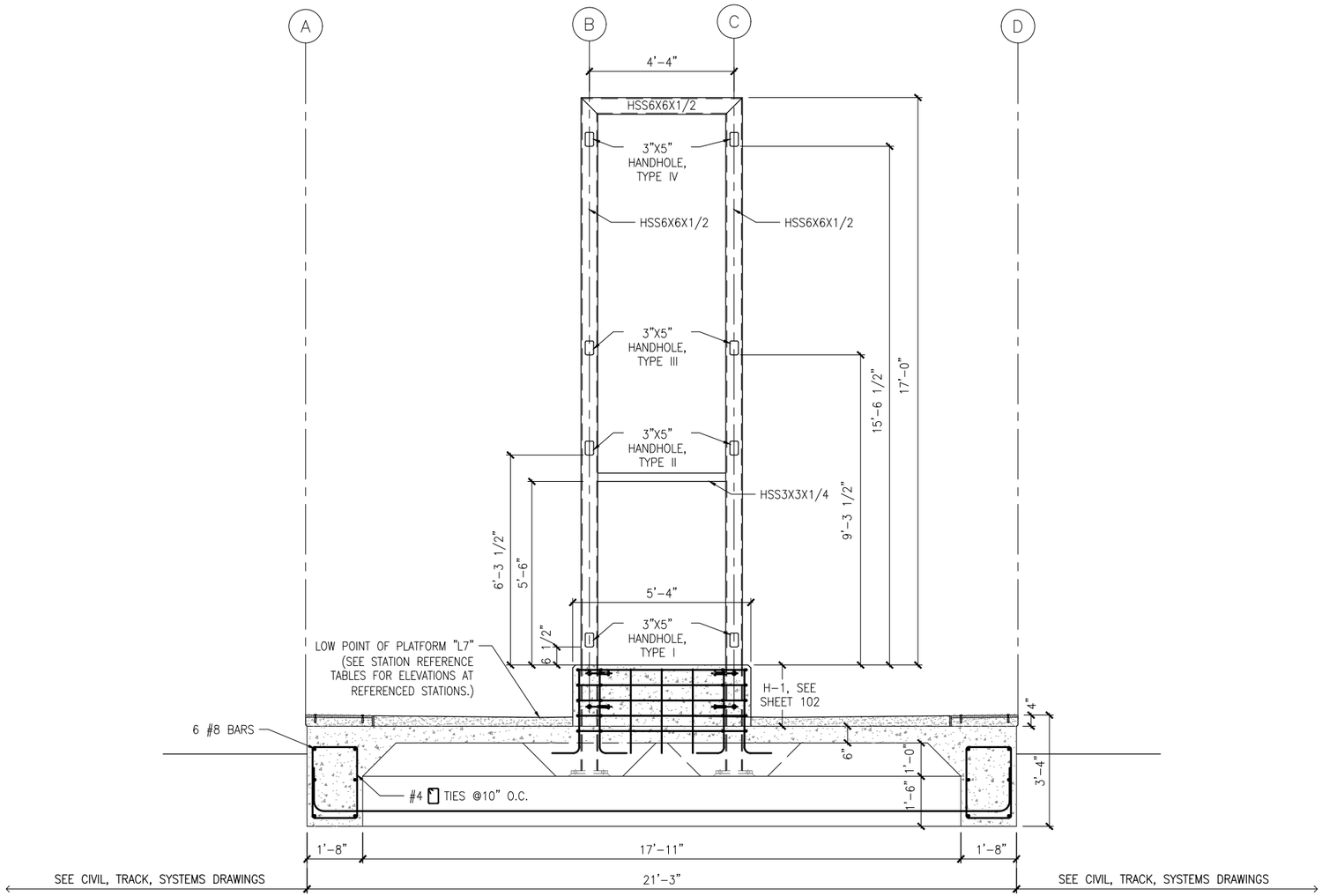
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
TYPICAL PLATFORM SECTION

DISCIPLINE: STRUCTURES

SHEET NAME: E1-HOP-STR-SCT-301

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1 TYPICAL PLATFORM SECTION AT WICKET

SCALE:1/4"=1'-0"
TYPICAL AT COL. LINES 2,13,24

0 1 2 4
SCALE

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SOUTHWEST Green Line LRT Extension

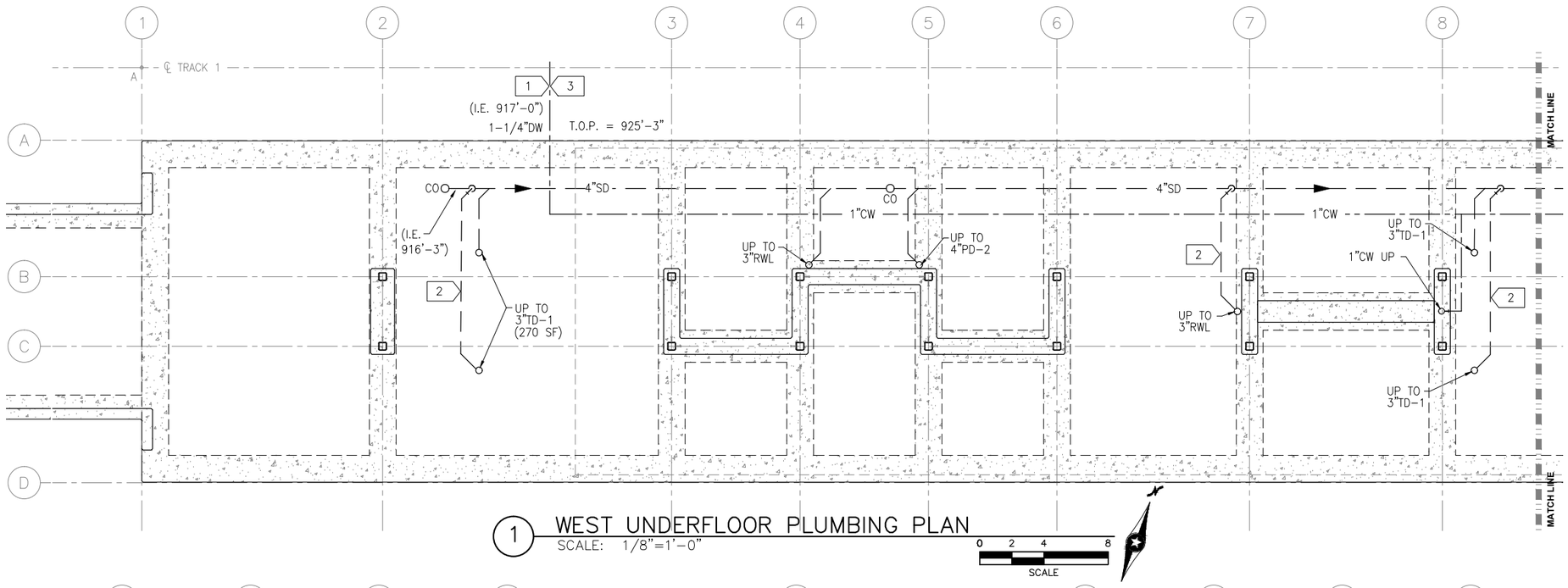
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
TYPICAL PLATFORM SECTION

DISCIPLINE: STRUCTURES

SHEET NAME: E1-HOP-STR-SCT-302

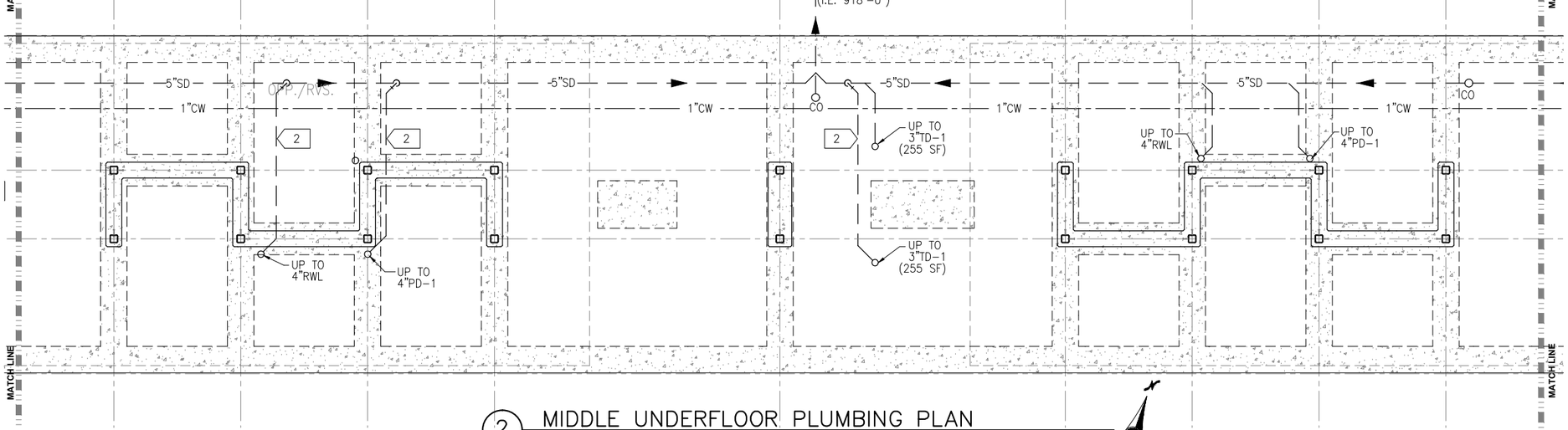
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1 WEST UNDERFLOOR PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 MIDDLE UNDERFLOOR PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
C. MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
D. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF HEIGHTS AND LAYOUT.
E. REFER TO PLUMBING DETAIL XXX AND VOLUME 7 FOR WATER METER LOCATION AND ENCLOSURE REQUIREMENTS.
F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES:

1 EXTEND WATER AND STORM OUTSIDE GUIDEWAY. CONNECTION BY OUTDOOR UTILITY CONTRACTOR.

2 ROUTE PIPING ABOVE DUCT BANK. DROP DOWN TO CONNECT TO MAIN.

3 1-1/4" COLD WATER PIPED FROM DRIVER AMENTITY.

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SOUTHWEST Green Line LRT Extension

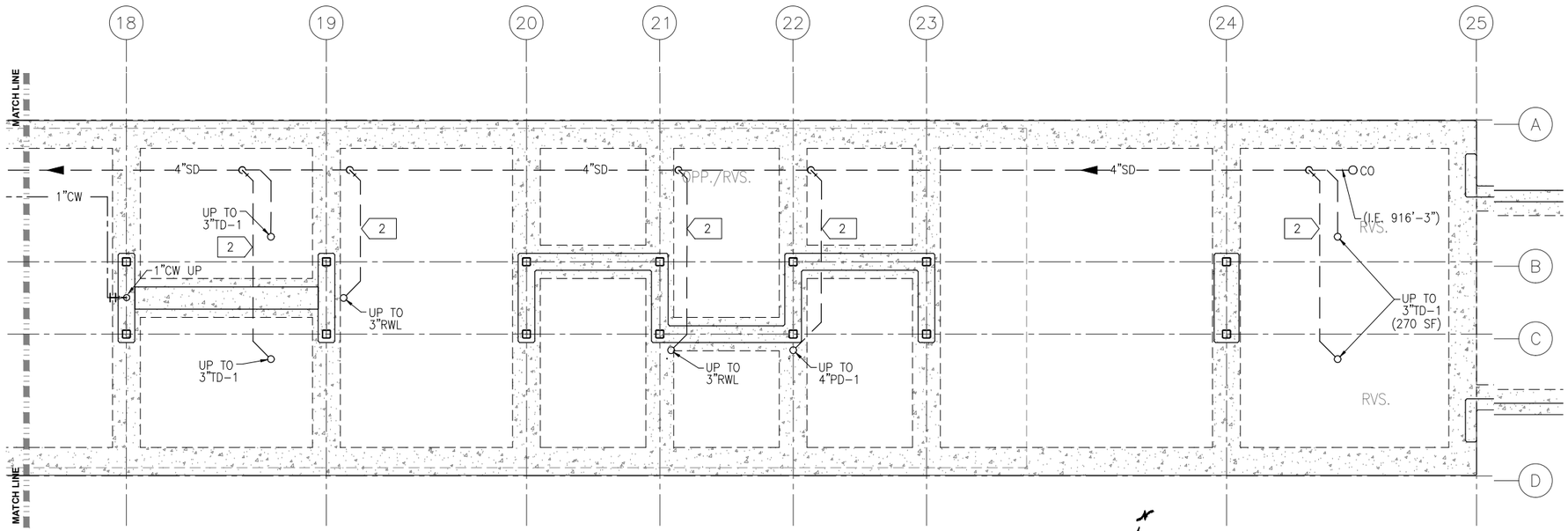
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
WEST AND MIDDLE PARTIAL
UNDERFLOOR PLUMBING PLAN

DISCIPLINE: PLUMBING

SHEET NAME: E1-HOP-PLM-PLN-100

SHEET 57 OF 510

Jan, 16 2016 02:59 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\MECHANICAL\HOPKINS\E1-HOP-PLM-PLN-100.dwg By: craig



1 EAST UNDERFLOOR PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

N

PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
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E. REFER TO PLUMBING DETAIL XXX AND VOLUME 7 FOR WATER METER LOCATION AND ENCLOSURE REQUIREMENTS.
F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS NOTED OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES:

1 EXTEND WATER AND STORM OUTSIDE GUIDEWAY. CONNECTION BY OUTDOOR UTILITY CONTRACTOR.

2 ROUTE PIPING ABOVE DUCT BANK. DROP DOWN TO CONNECT TO MAIN.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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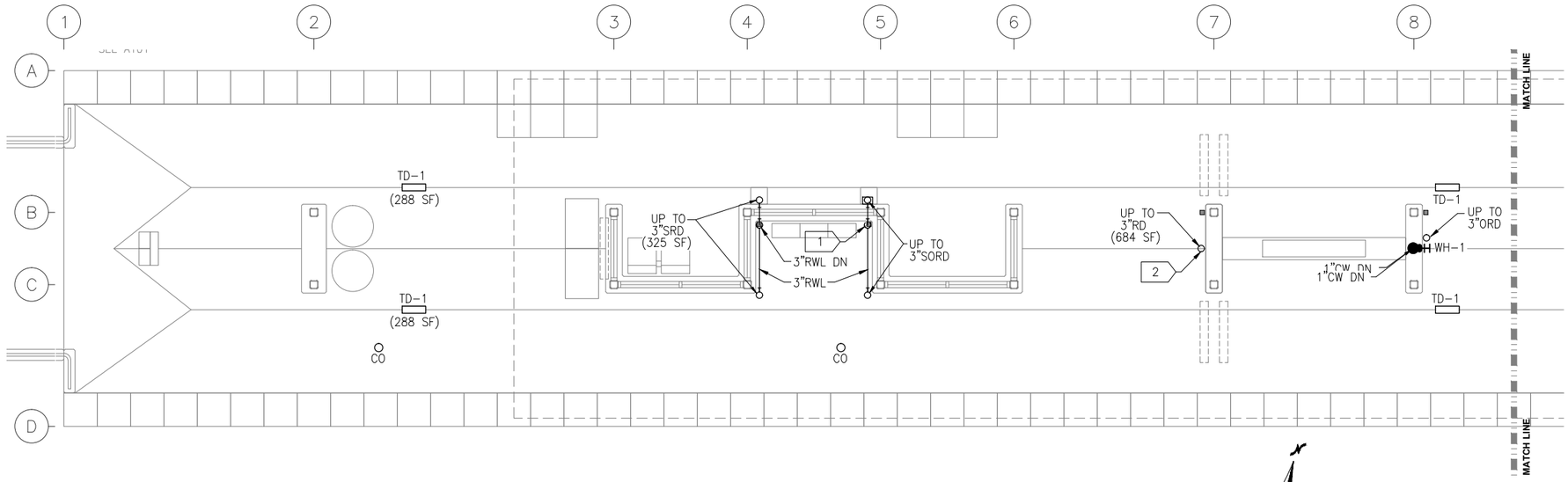
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
EAST PARTIAL UNDERFLOOR PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E1-HOP-PLM-PLN-101

SHEET 58 OF 510

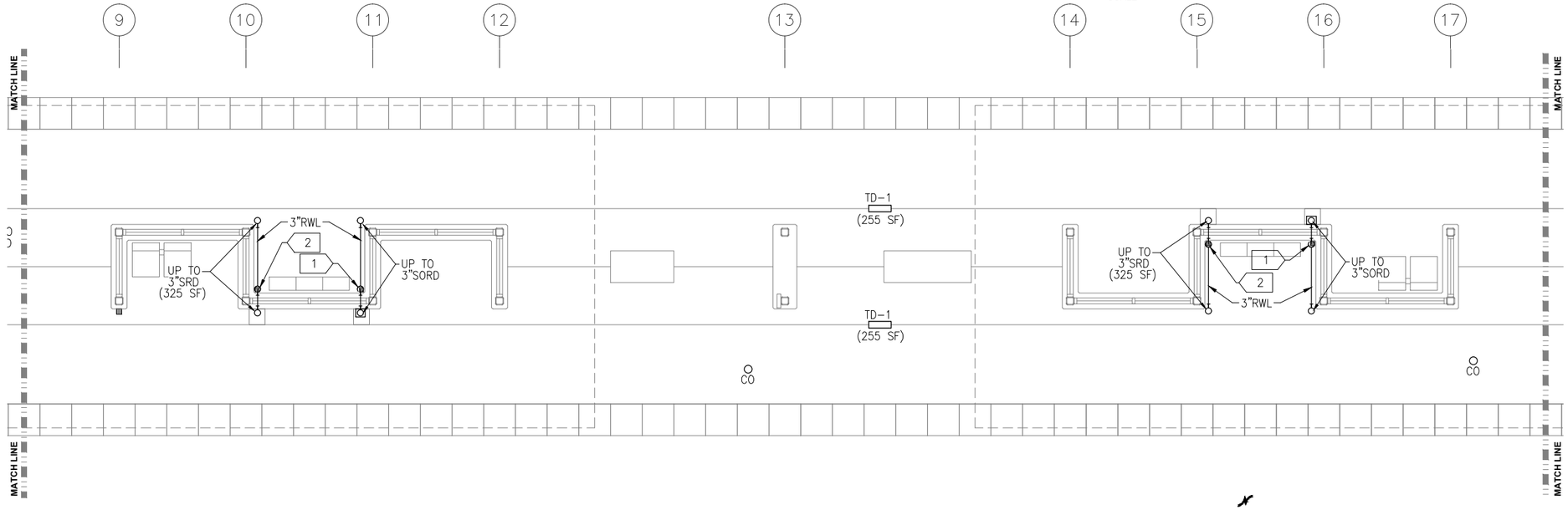
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1 WEST PLATFORM PLUMBING PLAN

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



2 MIDDLE PLATFORM PLUMBING PLAN

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
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C. MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
D. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF HEIGHTS AND LAYOUT.
E. REFER TO PLUMBING DETAIL XXX AND VOLUME 7 FOR WATER METER LOCATION AND ENCLOSURE REQUIREMENTS.
F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES

1 3"ø RWL DOWN TO DISCHARGE NOZZLE DIRECTLY ABOVE 4" PD-2.

2 3"ø RWL DOWN TO BELOW PLATFORM.

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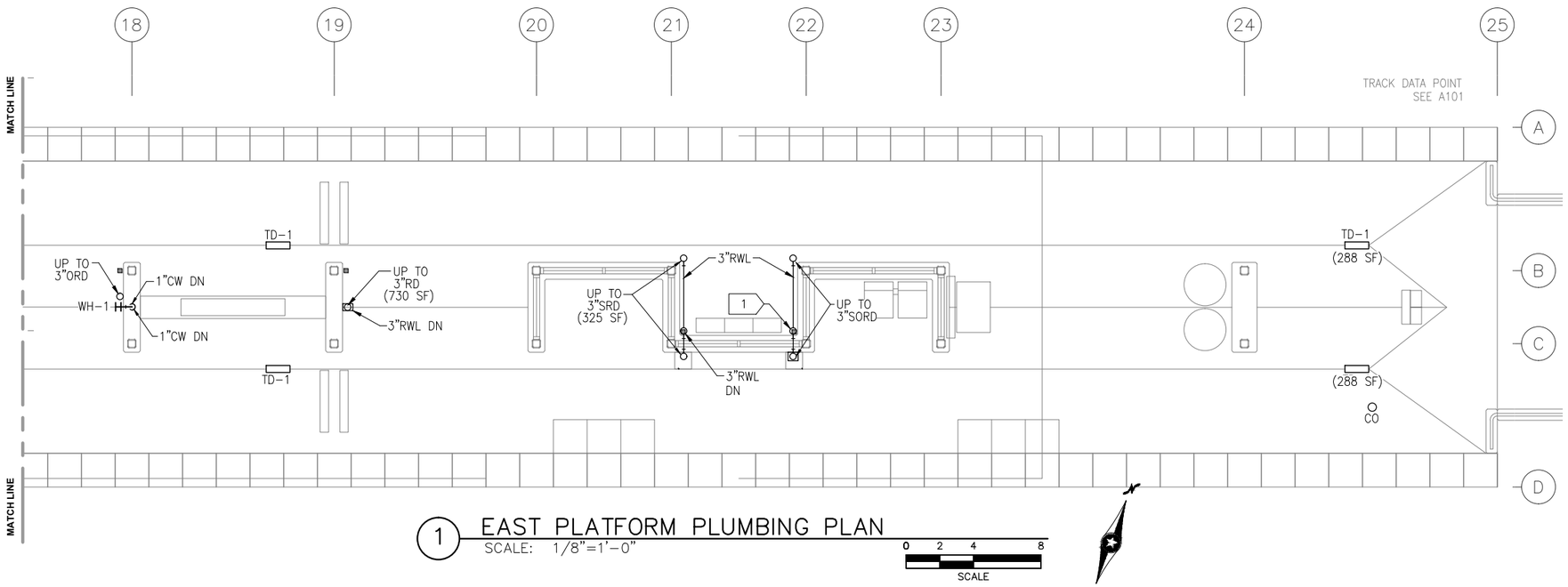
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
WEST AND MIDDLE PARTIAL
PLUMBING PLAN

DISCIPLINE: PLUMBING

SHEET NAME: E1-HOP-PLM-PLN-110

SHEET 59 OF 510

Jan, 16 2016 02:59 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\MECHANICAL\HOPKINS\E1-HOP-PLM-PLN-110.dwg By: craig



1 EAST PLATFORM PLUMBING PLAN

SCALE: 1/8"=1'-0"

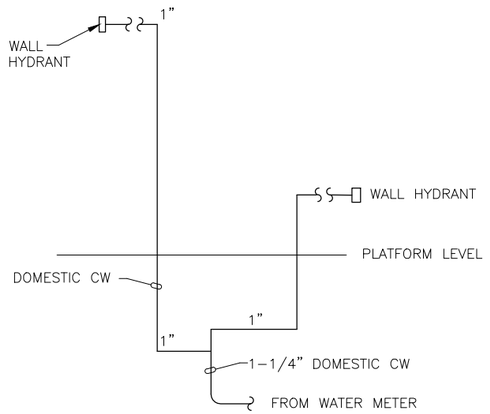
SCALE 0 2 4 8

PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
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H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

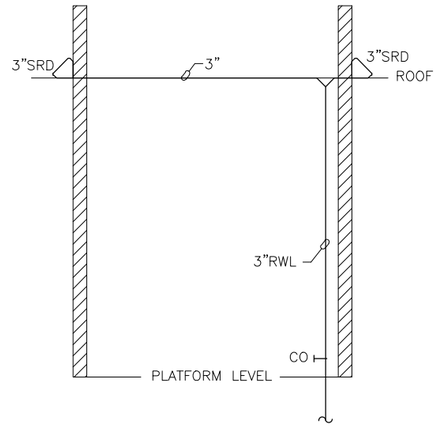
PLUMBING KEY NOTES

1 3"ø RWL DOWN TO DISCHARGE NOZZLE DIRECTLY ABOVE 4" PD-1.



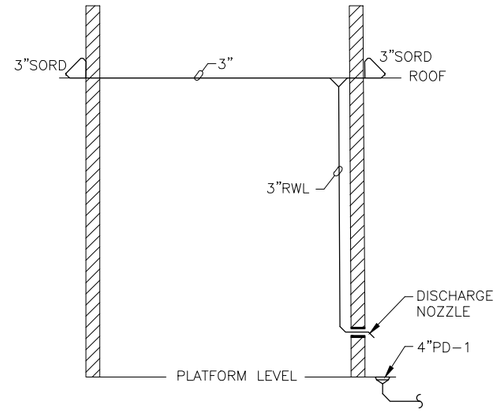
2/111 DOMESTIC WATER RISER DIAGRAM

NO SCALE



1/111 TYPICAL ROOF DRAIN DIAGRAM

NO SCALE



2/111 TYPICAL OVERFLOW ROOF DRAIN DIAGRAM

NO SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

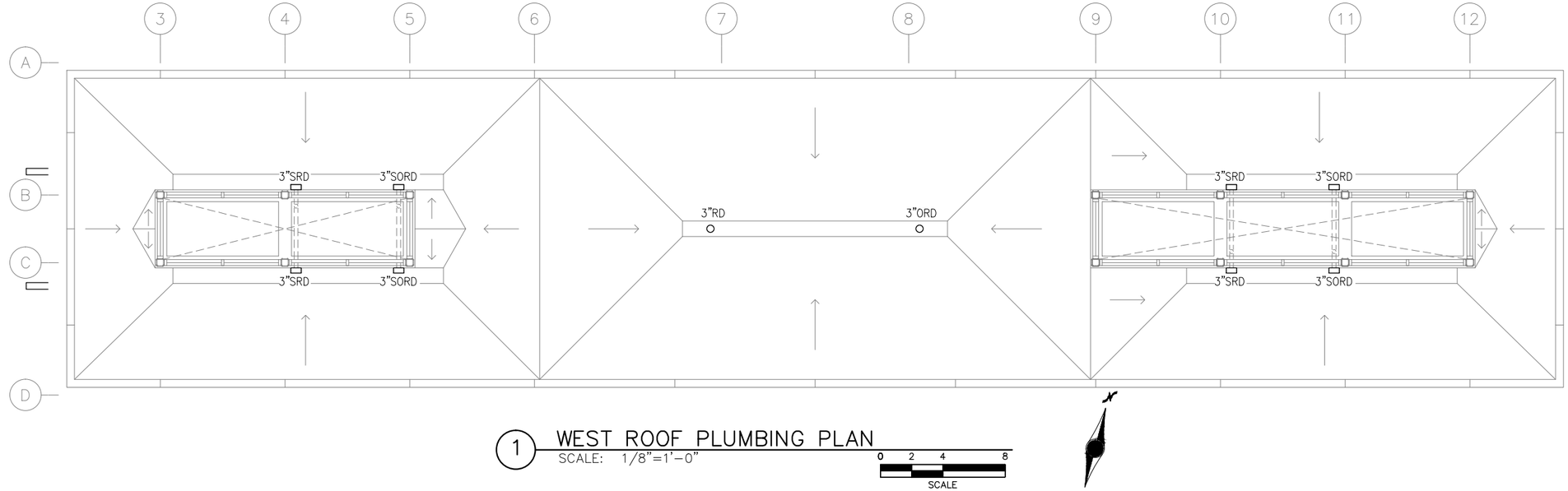
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
EAST PARTIAL PLUMBING PLAN AND RISER DIAGRAMS

DISCIPLINE: PLUMBING

SHEET NAME: E1-HOP-PLM-PLN-111

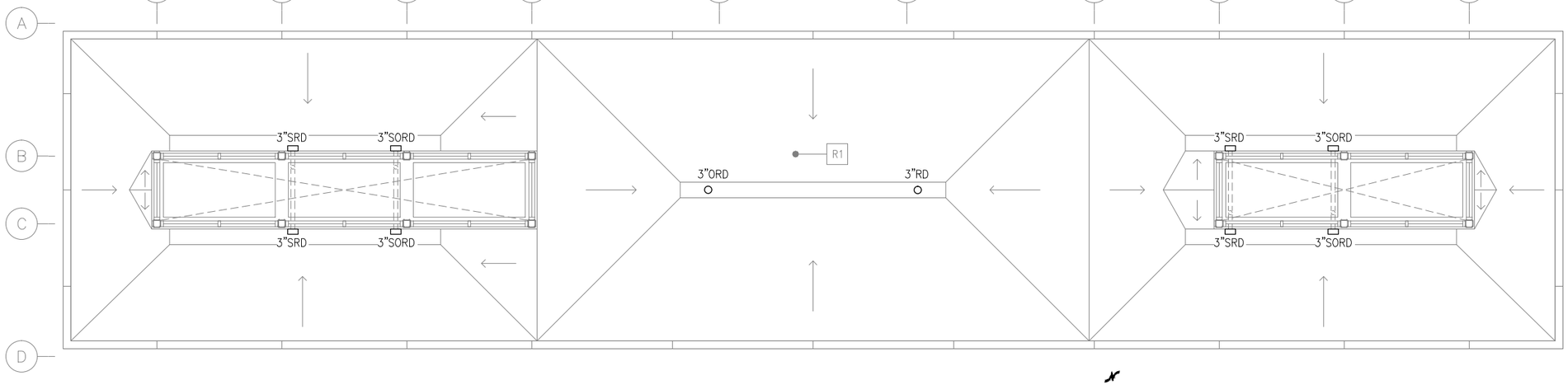
SHEET 60 OF 510

Jan, 16 2016 02:59 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\MECHANICAL\HOPKINS\E1-HOP-PLM-PLN-111.dwg By: craig



1 WEST ROOF PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 EAST ROOF PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
C. MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
D. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF HEIGHTS AND LAYOUT.
E. REFER TO PLUMBING DETAIL XXX AND VOLUME 7 FOR WATER METER LOCATION AND ENCLOSURE REQUIREMENTS.
F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

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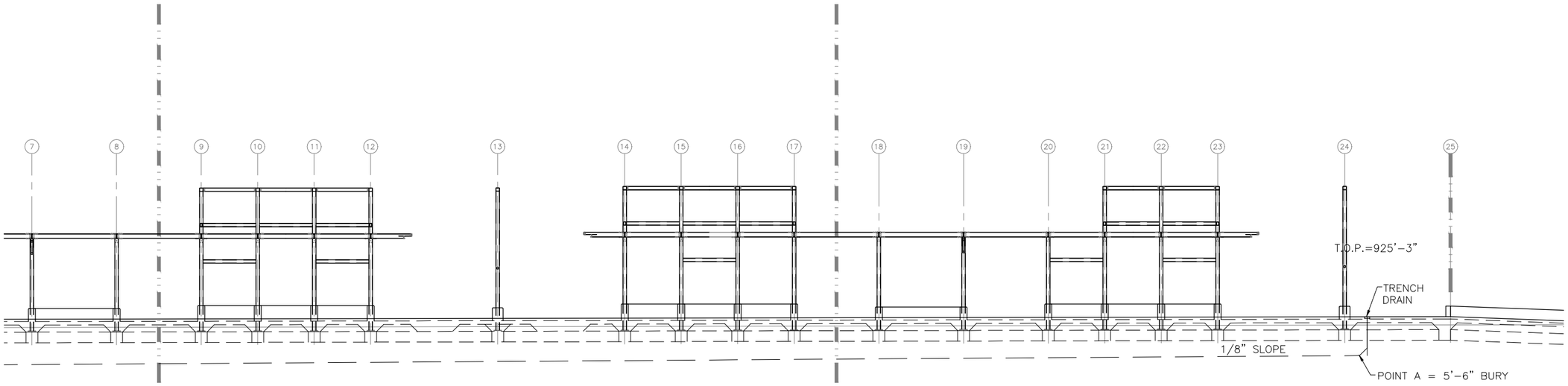
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
ROOF PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E1-HOP-PLM-PLN-120

SHEET 61 OF 510

Jan. 16 2016 02:59 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\MECHANICAL\HOPKINS\E1-HOP-PLM-PLN-120.dwg By: craig



1 PLATFORM PLUMBING SECTION
SCALE: 3/64"=1'-0"

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

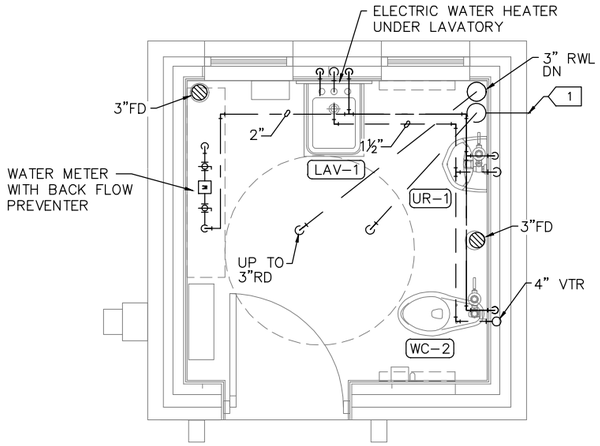
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
TYPICAL PLATFORM PLUMBING SECTION

DISCIPLINE: PLUMBING

SHEET NAME: E1-HOP-PLM-SCT-201

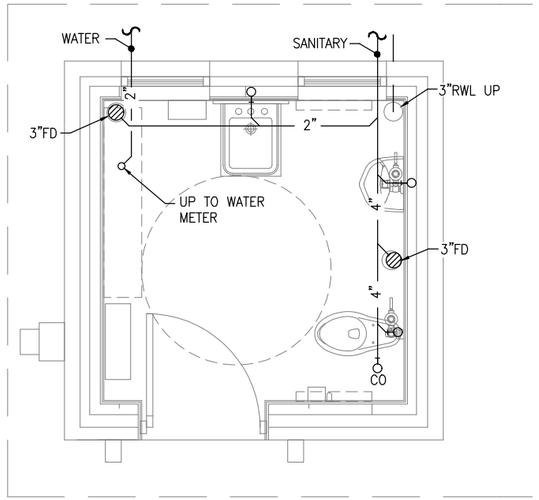
SHEET 62 OF 510

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1 ABOVE FLOOR PLUMBING PLAN
SCALE: 1/4"=1'-0"

0 2 4 8
SCALE



2 UNDERFLOOR PLUMBING PLAN
SCALE: 1/4"=1'-0"

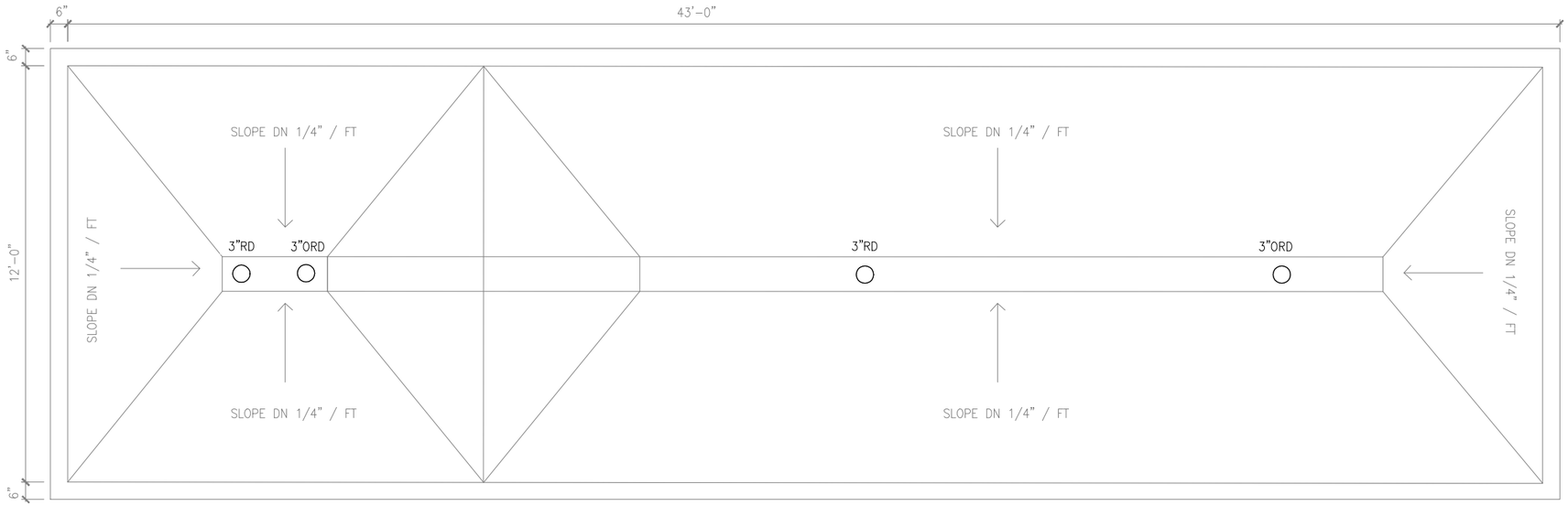
0 2 4 8
SCALE

PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
C. MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
D. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF HEIGHTS AND LAYOUT.
E. REFER TO PLUMBING DETAIL XXX AND VOLUME 7 FOR WATER METER LOCATION AND ENCLOSURE REQUIREMENTS.
F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES

1 3"ø RWL DOWN TO DISCHARGE NOZZLE.



3 ROOF PLUMBING PLAN
SCALE: 1/4"=1'-0"

0 2 4 8
SCALE

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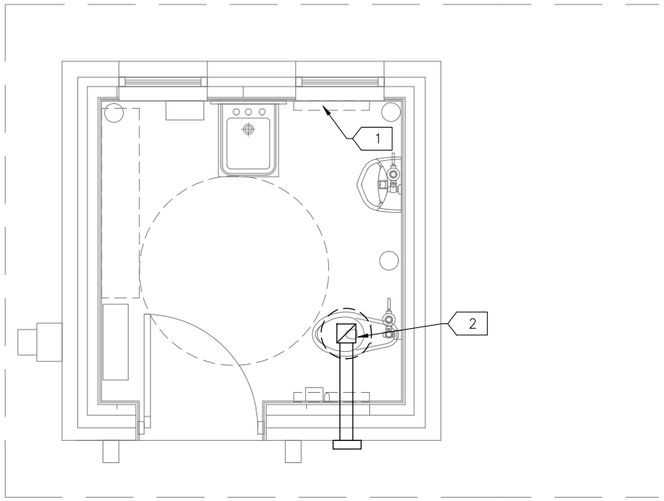
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
DRIVER AMENITIES PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E1-HOP-PLM-PLN-250

SHEET 63 OF 510

Jan, 16 2016 02:59 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\MECHANICAL\HOPKINS\E1-HOP-PLM-PLN-250.dwg By: craig



1 MECHANICAL PLAN
SCALE: 1/4"=1'-0"

0 2 4 8
SCALE

MECHANICAL GENERAL NOTES:

A. SECURELY SUSPEND HVAC EQUIPMENT FROM STRUCTURE AND PROVIDE VIBRATION ISOLATION. REFER TO STRUCTURAL DRAWINGS FOR LIMITATIONS.
B. PROVIDE MANUAL BALANCING DAMPERS FOR ALL SUPPLY AIR OUTLETS AND WHERE INDICATED ON BRANCH DUCTWORK.
C. PROVIDE DUCT ACCESS PANELS AT LOCATIONS OF ALL MOTORIZED DAMPERS AND FIRE DAMPERS.
D. PROVIDE FLEXIBLE DUCT CONNECTIONS AT ALL DUCTWORK TO MECHANICAL EQUIPMENT CONNECTIONS.
E. MAINTAIN REQUIRED CLEARANCES DIRECTLY OVER AND IN FRONT OF ALL ELECTRICAL EQUIPMENT.
F. MAINTAIN REQUIRED CLEARANCES AT ALL MECHANICAL EQUIPMENT.
G. RUN DUCTWORK AS HIGH AS POSSIBLE.
H. INLET VENTILATION AIR DUCTWORK SHALL BE INSULATED FULL LENGTH.
I. PROVIDE CEILING ACCESS PANELS AT MANUAL VOLUME DAMPERS AND FAN ACCESS.
J. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION FOR GRILLES, REGISTERS, AND DIFFUSERS.

MECHANICAL KEY NOTES:

1 ELECTRIC WALL HEATER EUH-3.

2 CEILIING MOUNTED EXHAUST FAN WITH 4"ø DISCHARGE TO WALL CAP. INTERLOCK EXHAUST FAN WITH OVERHEAD LIGHT. TIME DELAY EXHAUST FAN SHUT-OFF.

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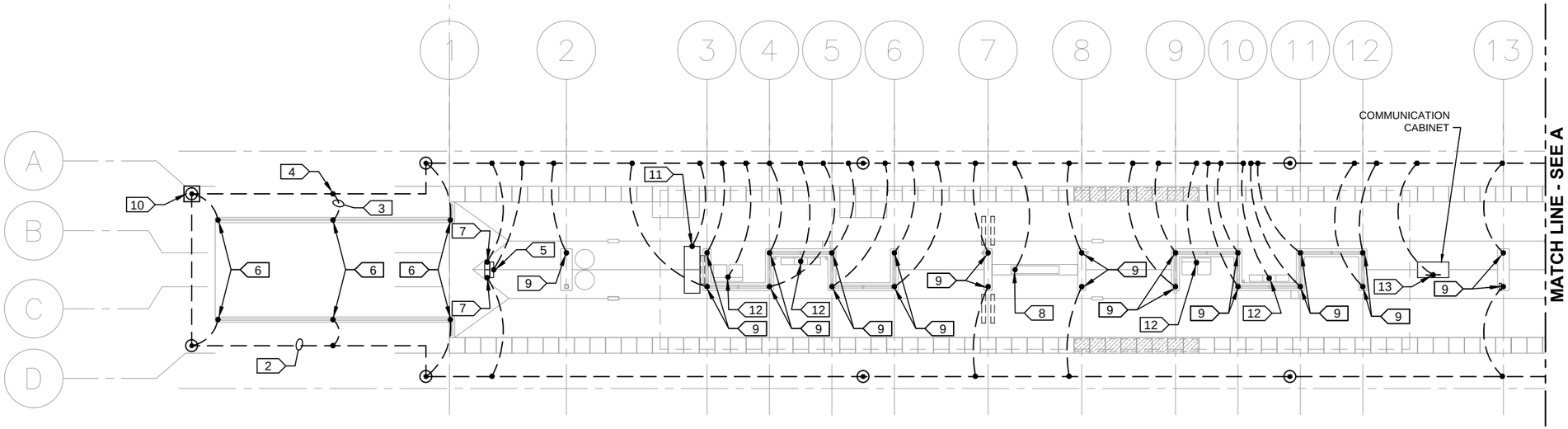
METROPOLITAN COUNCIL SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
DRIVER AMENITIES MECHANICAL PLAN

DISCIPLINE: MECHANICAL
SHEET NAME: E1-HOP-MEC-PLN-250

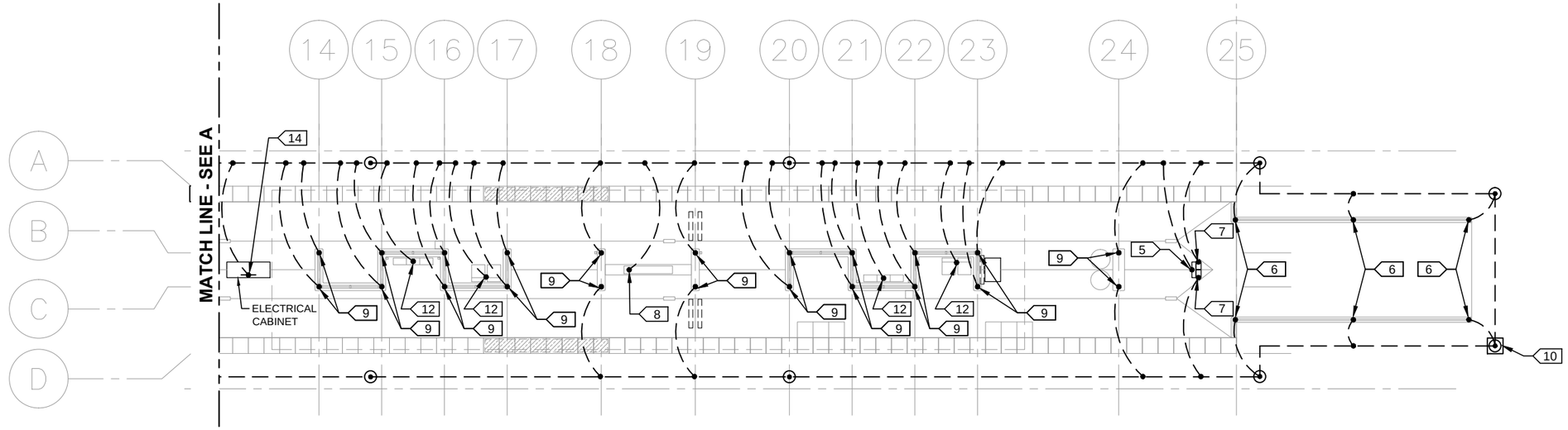
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1 PARTIAL PLATFORM PLAN

SCALE: 1/16"=1'-0"



2 PARTIAL PLATFORM PLAN

SCALE: 1/16"=1'-0"

KEYNOTES:

1. GROUND ROD, TYPICAL.
2. GROUND LOOP, TYPICAL.
3. GEC, TYPICAL.
4. EXOTHERMIC WELD, TYPICAL.
5. GEC CONNECTION TO RIDER ALERT PANEL.
6. GEC CONNECTION TO RAILING POST.
7. GEC CONNECTION TO RSV.
8. GEC CONNECTION TO KIOSK.
9. GEC CONNECTION TO COLUMN.
10. GROUND TEST WELL.
11. GEC CONNECTION TO TVM.
12. GEC CONNECTION TO SEAT OR LEAN RAIL.
13. GEC CONNECTION TO COMMUNICATIONS CABINET GROUND BUS.
14. #3/0 GEC CONNECTION TO ELECTRICAL ENCLOSURE GROUND BUS.

GENERAL NOTES:

1. ALL METALLIC OBJECTS SHALL BE GROUNDED AND THE GROUNDING PLAN IS INTENDED TO DEMONSTRATE THE GROUNDING OF THE PLATFORM, GUIDEWAY AND EQUIPMENT WITHIN THE VICINITY. OBJECTS NOT SHOWN GROUNDED DOES RELIEVE THE CONTRACTOR FROM THE DESIGN INTENT.
2. GROUND LOOP SHALL BE #3/0 BARE COPPER. LOOP SHALL BE INSTALLED 48" BELOW GRADE OR 6" BELOW THE FROST LINE, WHICHEVER IS GREATER. GROUND LOOP IS SHOWN DIAGRAMMATICALLY. INSTALL GROUND LOOP UNDER PLATFORM PERIMETER TO PROTECT FROM WORK PERFORMED OUTSIDE THE PLATFORM LIMITS BY OTHER TRADES. GROUND TEST WELLS SHALL REMAIN ACCESSIBLE AS SHOWN.
3. GROUNDING ELECTRODE CONDUCTORS (GEC) SHALL BE #2/0 BARE COPPER UNLESS NOTED OTHERWISE.
4. ALL EXOTHERMIC WELDS TO COLUMNS, TVM'S, RSV'S, SEATS, LEAN RAILS AND EQUIPMENT CABINETS SHALL BE ABOVE GRADE AND VISIBLE. PAINT WELDS TO MATCH SURFACE COLOR. VERIFY COLOR WITH CAR.
5. INSTALL GROUND ROD SO THAT 8-FT IS BELOW THE FROST LINE.
6. IF RAILING HAS AN ISOLATION GAP, JUMPER BETWEEN GAPS WITH GEC.

0 4 8 16

HORIZONTAL SCALE IN FEET

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METROPOLITAN COUNCIL

SOUTHWEST
Green Line LRT Extension

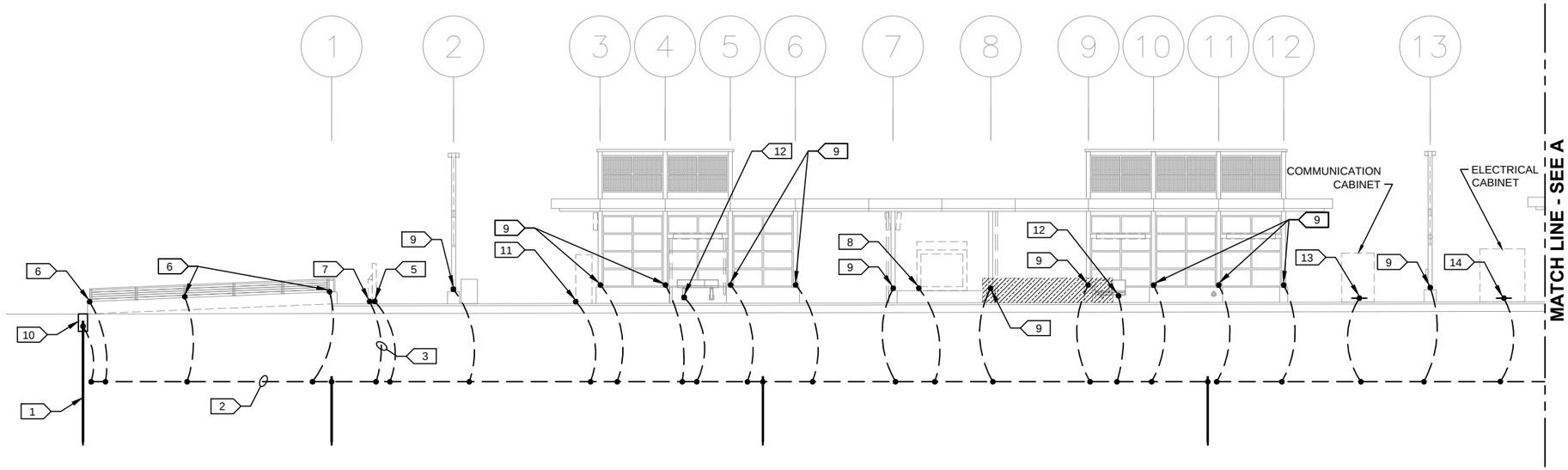
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
ELECTRICAL
GROUNDING PLAN

DISCIPLINE: ELECTRICAL

SHEET NAME: E1-HOP-ELE-PLN-201

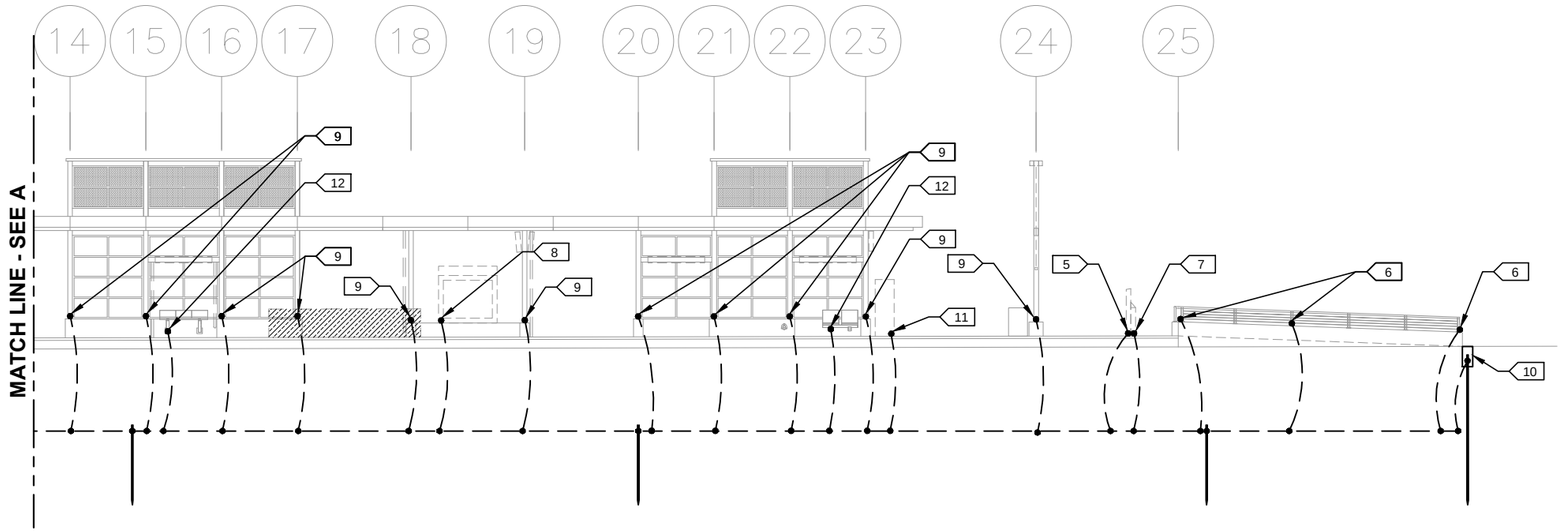
SHEET 65 OF 510

Jan, 18 2016 10:38 am V:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-HOP-ELE-PLN-201.dwg By: FergTK



1 PARTIAL PLATFORM ELEVATION

SCALE: 1/16"=1'-0"



2 PARTIAL PLATFORM ELEVATION

SCALE: 1/16"=1'-0"

KEYNOTES:

1. GROUND ROD, TYPICAL.
2. GROUND LOOP, TYPICAL.
3. GEC, TYPICAL.
4. EXOTHERMIC WELD, TYPICAL.
5. GEC CONNECTION TO RIDER ALERT PANEL.
6. GEC CONNECTION TO RAILING POST.
7. GEC CONNECTION TO RSV.
8. GEC CONNECTION TO KIOSK.
9. GEC CONNECTION TO COLUMN.
10. GROUND TEST WELL.
11. GEC CONNECTION TO TVM.
12. GEC CONNECTION TO SEAT OR LEAN RAIL.
13. GEC CONNECTION TO COMMUNICATIONS CABINET GROUND BUS.
14. #3/0 GEC CONNECTION TO ELECTRICAL ENCLOSURE GROUND BUS.

GENERAL NOTES:

1. ALL METALLIC OBJECTS SHALL BE GROUNDED AND THE GROUNDING PLAN IS INTENDED TO DEMONSTRATE THE GROUNDING OF THE PLATFORM, GUIDEWAY AND EQUIPMENT WITHIN THE VICINITY. OBJECTS NOT SHOWN GROUNDED DOES RELIEVE THE CONTRACTOR FROM THE DESIGN INTENT.
2. GROUND LOOP SHALL BE #3/0 BARE COPPER. LOOP SHALL BE INSTALLED 48" BELOW GRADE OR 6" BELOW THE FROST LINE, WHICHEVER IS GREATER. GROUND LOOP IS SHOWN DIAGRAMMATICALLY. INSTALL GROUND LOOP UNDER PLATFORM PERIMETER TO PROTECT FROM WORK PERFORMED OUTSIDE THE PLATFORM LIMITS BY OTHER TRADES. GROUND TEST WELLS SHALL REMAIN ACCESSIBLE AS SHOWN.
3. GROUNDING ELECTRODE CONDUCTORS (GEC) SHALL BE #2/0 BARE COPPER UNLESS NOTED OTHERWISE.
4. ALL EXOTHERMIC WELDS TO COLUMNS, TVM'S, RSV'S, SEATS, LEAN RAILS AND EQUIPMENT CABINETS SHALL BE ABOVE GRADE AND VISIBLE. PAINT WELDS TO MATCH SURFACE COLOR. VERIFY COLOR WITH CAR.
5. INSTALL GROUND ROD SO THAT 8-FT IS BELOW THE FROST LINE.
6. IF RAILING HAS AN ISOLATION GAP, JUMPER BETWEEN GAPS WITH GEC.

0 4 8 16

HORIZONTAL SCALE IN FEET

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SOUTHWEST
Green Line LRT Extension

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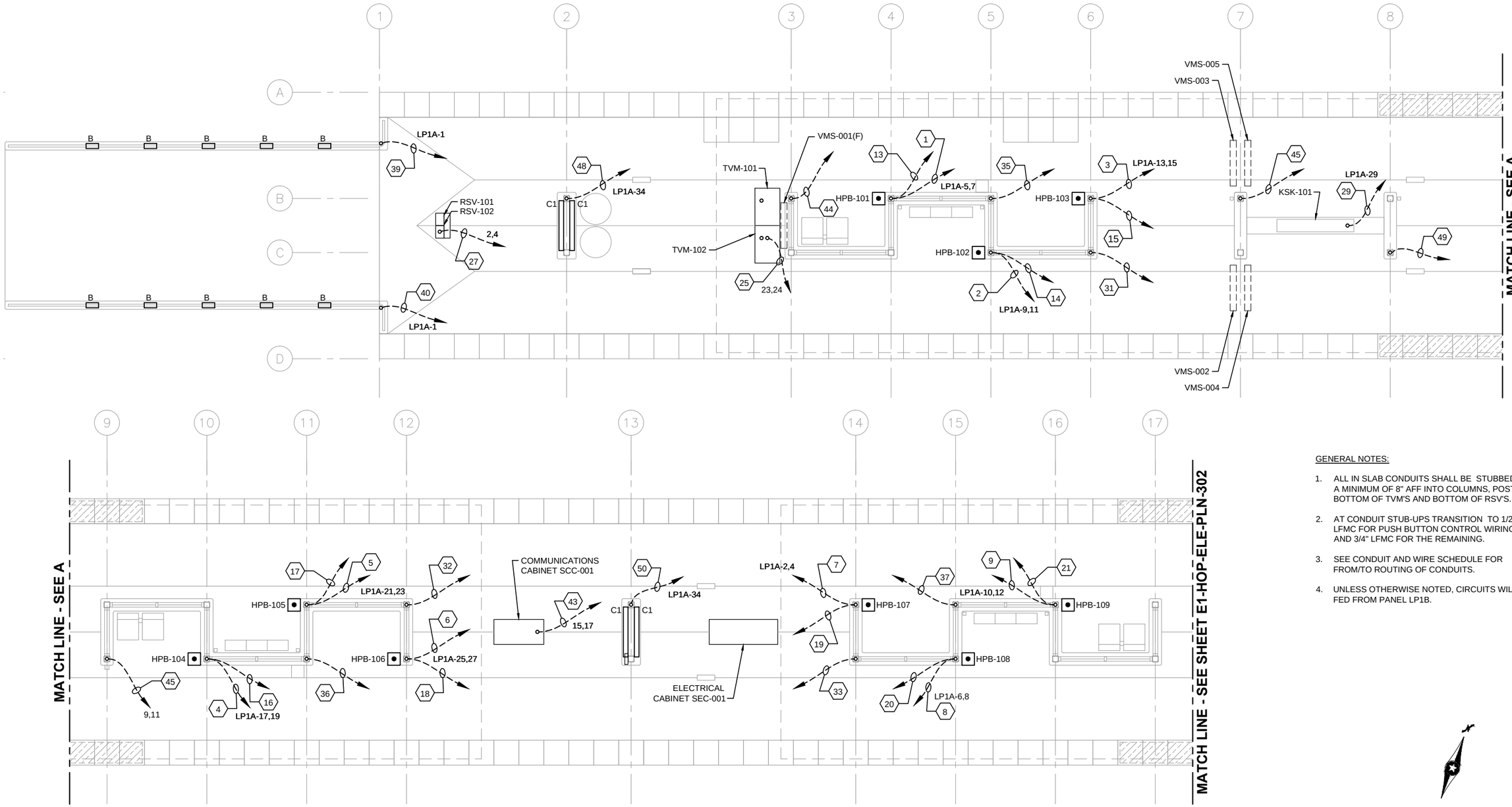
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
ELECTRICAL
GROUNDING ELEVATION

DISCIPLINE: ELECTRICAL

SHEET NAME: E1-HOP-ELE-ELV-202

SHEET 66 OF 510

Jan. 18 2016 10:38 am v:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-HOP-ELE-ELV-202.dwg By: FergTK



1 PLATFORM PLAN

SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. ALL IN SLAB CONDUITS SHALL BE STUBBED UP A MINIMUM OF 8" AFF INTO COLUMNS, POSTS, BOTTOM OF TVM'S AND BOTTOM OF RSV'S.
2. AT CONDUIT STUB-UPS TRANSITION TO 1/2" LFMC FOR PUSH BUTTON CONTROL WIRING AND 3/4" LFMC FOR THE REMAINING.
3. SEE CONDUIT AND WIRE SCHEDULE FOR FROM/TO ROUTING OF CONDUITS.
4. UNLESS OTHERWISE NOTED, CIRCUITS WILL BE FED FROM PANEL LP1B.

0 2 4 8

HORIZONTAL SCALE IN FEET

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

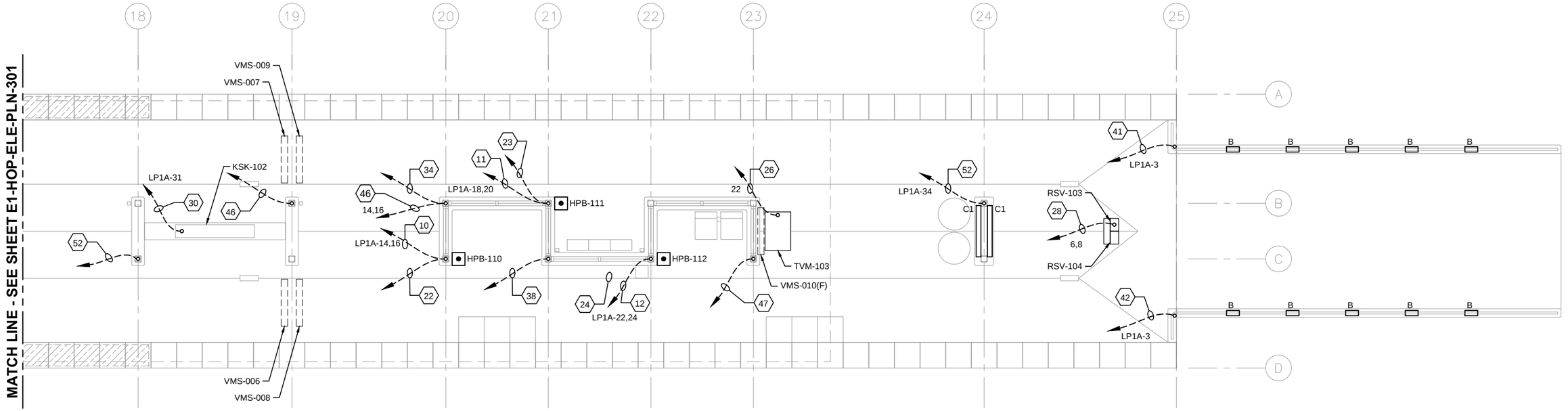
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
ELECTRICAL
UNDERSLAB CONDUIT PLAN (1 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E1-HOP-ELE-PLN-301

SHEET 67 OF 510

Jan, 18 2016 10:39 am V:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-HOP-ELE-PLN-301.dwg By: FergTK

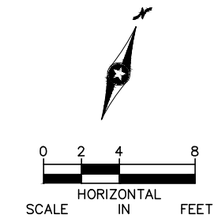


1 PLATFORM PLAN

SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. ALL IN SLAB CONDUITS SHALL BE STUBBED UP A MINIMUM OF 8" AFF INTO COLUMNS, POSTS, BOTTOM OF TVM'S AND BOTTOM OF RSV'S.
2. AT CONDUIT STUB-UPS TRANSITION TO 1/2" LFMC FOR PUSH BUTTON CONTROL WIRING AND 3/4" LFMC FOR THE REMAINING.
3. SEE CONDUIT AND WIRE SCHEDULE FOR FROM/TO ROUTING OF CONDUITS.
4. UNLESS OTHERWISE NOTED, CIRCUITS WILL BE FED FROM PANEL LP1B.



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METROPOLITAN COUNCIL

SOUTHWEST
Green Line LRT Extension

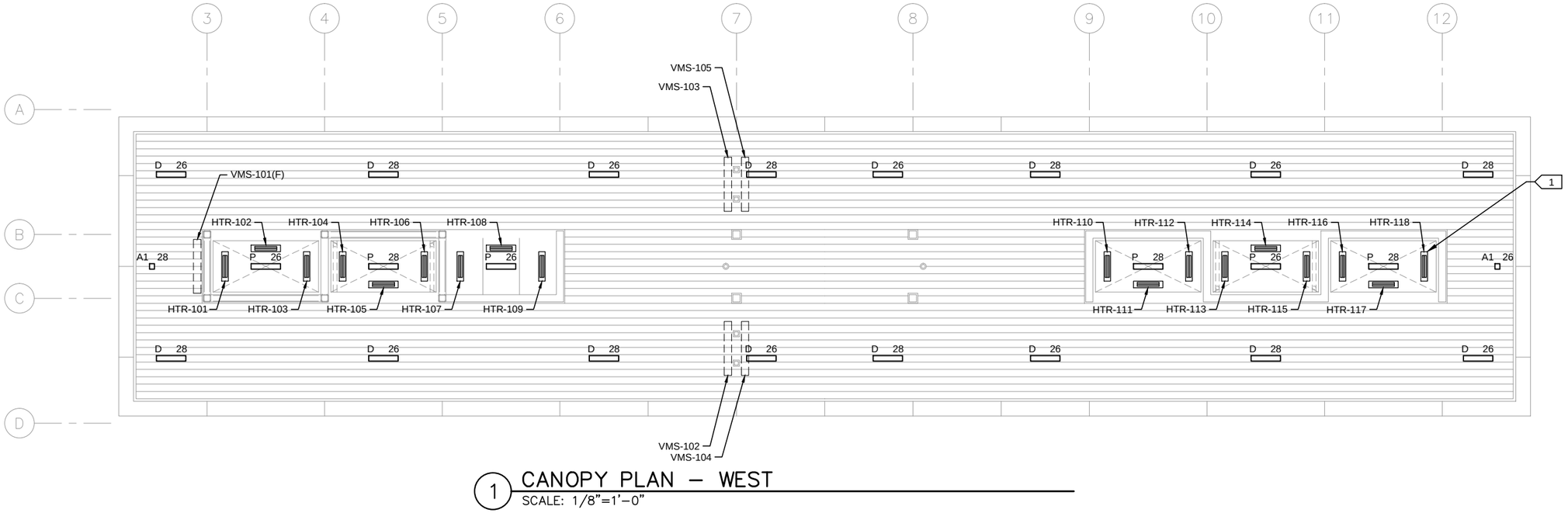
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
ELECTRICAL
UNDERSLAB CONDUIT PLAN (2 OF 2)

DISCIPLINE: ELECTRICAL

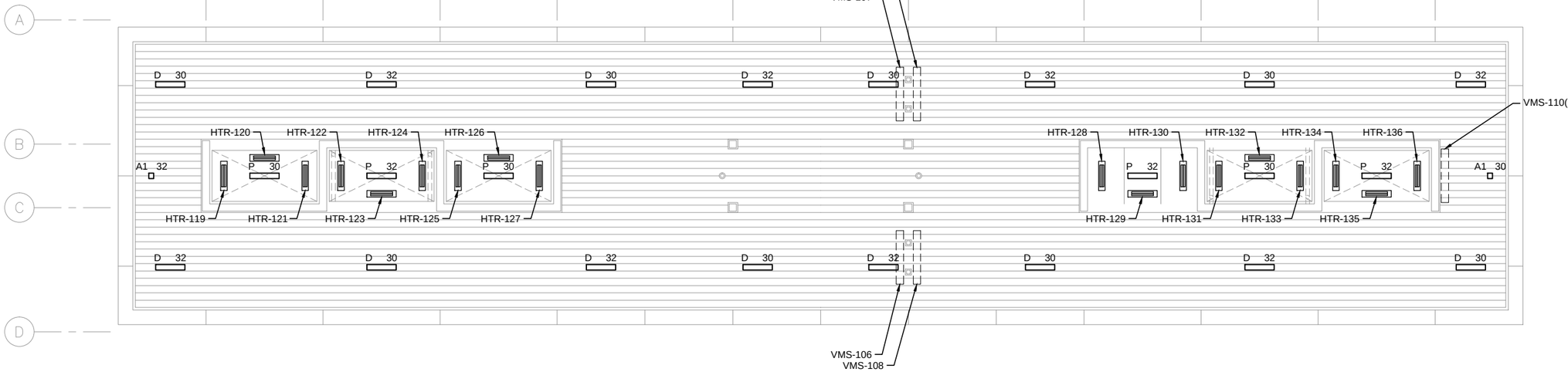
SHEET NAME: E1-HOP-ELE-PLN-302

SHEET 68 OF 510

Jan. 18 2016 10:39 am V:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-HOP-ELE-PLN-302.dwg By: FergTK



1 CANOPY PLAN – WEST
SCALE: 1/8"=1'–0"



2 CANOPY PLAN – EAST
SCALE: 1/8"=1'–0"

GENERAL NOTES:

1. ALL LIGHTING SHOWN ON THIS SHEET SHALL BE RECESSED MOUNTED IN SOFFIT. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING DETAILS.
2. ALL CONDUIT FOR LIGHT AND TO VMS'S SHALL BE RUN CONCEALED WITHIN SOFFIT AREA.

KEYNOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR HEATER MOUNTING DETAILS.

0 2 4 8
HORIZONTAL
SCALE IN FEET

Jan. 18 2016 10:40 am v:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-HOP-ELE-PLN-303.dwg By: FergTK

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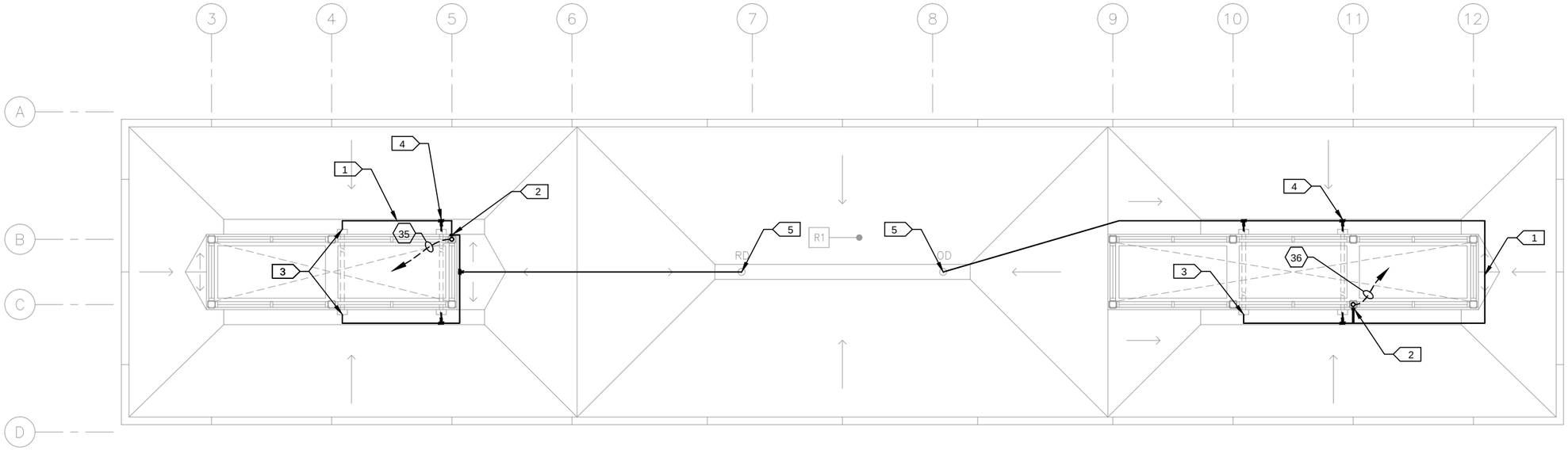
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METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
ELECTRICAL
CANOPY PLAN

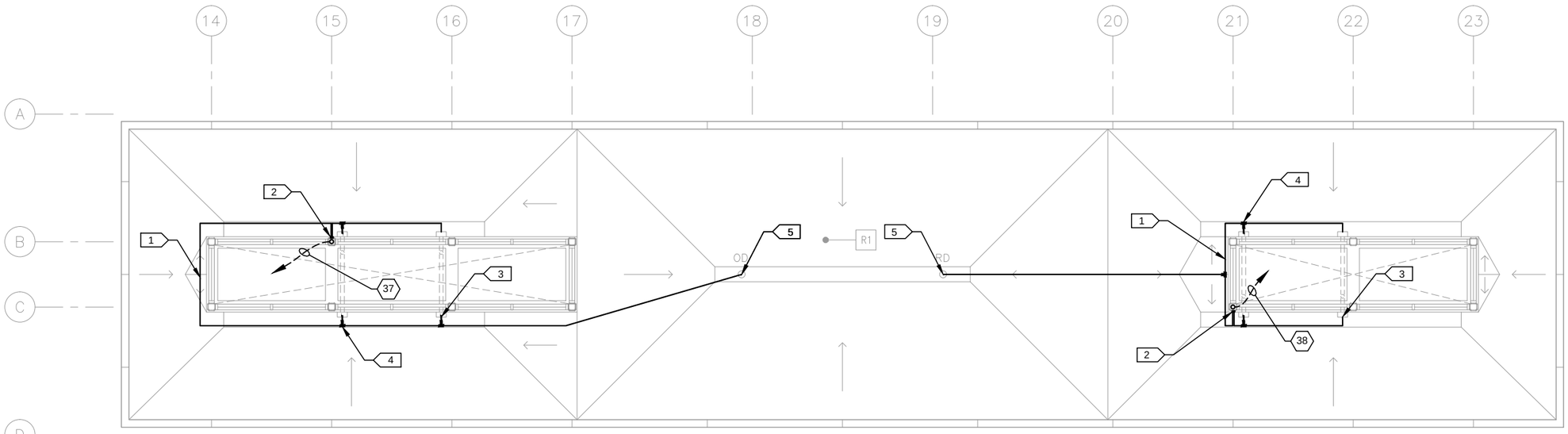
DISCIPLINE: ELECTRICAL
SHEET NAME: E1-HOP-ELE-PLN-303

SHEET 69 OF 510



1 ROOF PLAN – WEST CANOPY
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 ROOF PLAN – EAST CANOPY
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL NOTES:

1. HEAT TRACE CONTROL PANEL LOCATED IN SEC-001.

KEYNOTES:

1. SELF REGULATING HEAT TRACE CABLE. ATTACH CABLE TO ROOF WITH CLIPS. COORDINATE CLIP REQUIREMENTS WITH ROOFING CONTRACTOR.
2. POWER CONNECTION KIT WITH DOUBLE HEAT TRACE CABLE CONNECTION. COORDINATE MOUNTING REQUIREMENTS WITH STRUCTURAL STEEL CONTRACTOR.
3. RUN HEAT TRACE DOWN RAIN WATER LEADER 6' BELOW FINISHED FLOOR, PROVIDE CABLE PROTECTION WHERE CABLE ENTERS SCUPPER DRAIN.
4. HEAT TRACE TEE SPLICE KIT.
5. RUN HEAT TRACE DOWN RAIN WATER LEADER 6' BELOW FINISHED FLOOR, PROVIDE CABLE PROTECTION WHERE CABLE ENTERS DRAIN STRAINER.

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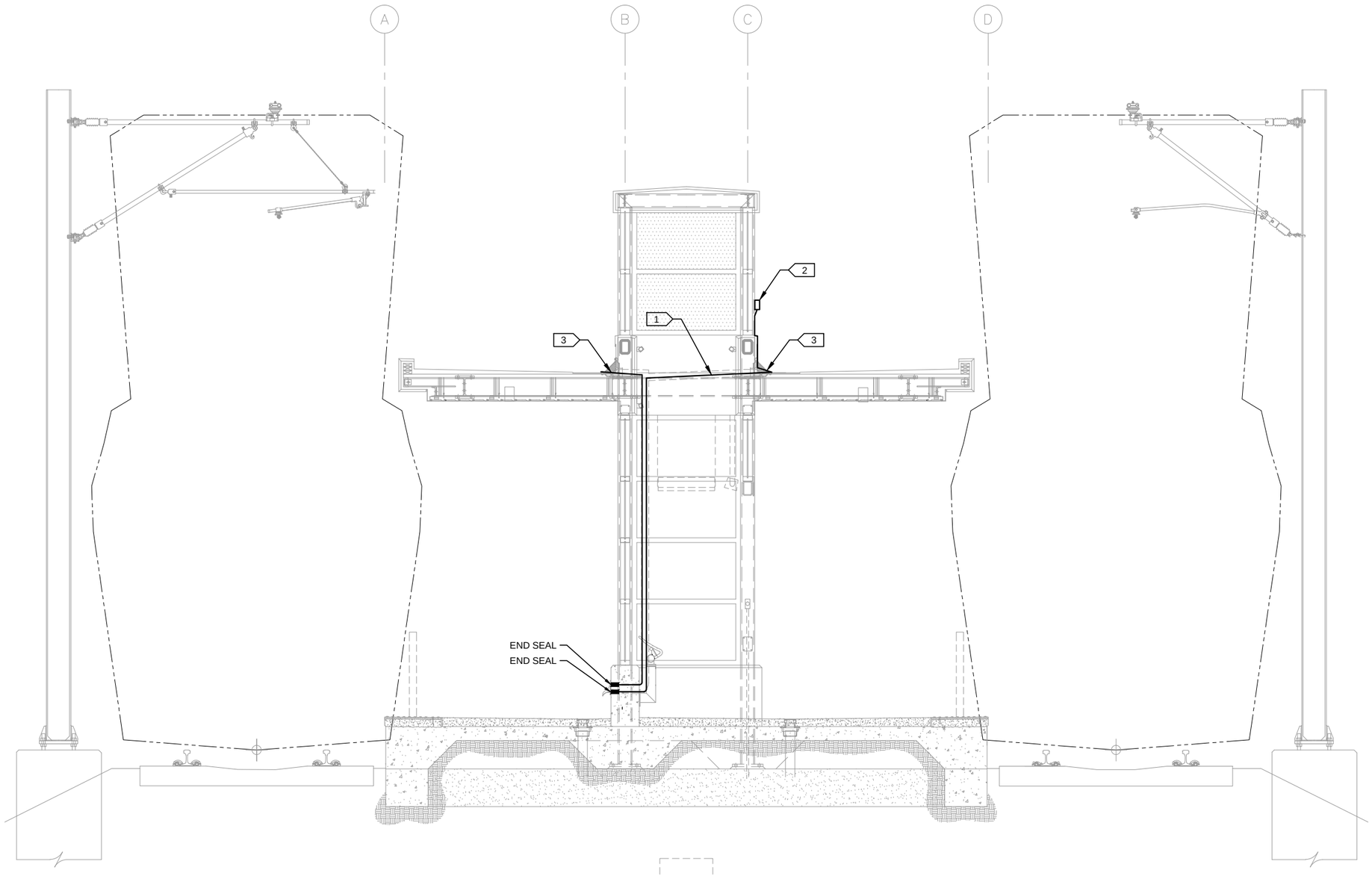
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
ELECTRICAL
HEAT TRACE PLAN

DISCIPLINE: ELECTRICAL
SHEET NAME: E1-HOP-ELE-PLN-311

SHEET 70 OF 510

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1 TYPICAL PLATFORM SECTION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

GENERAL NOTES:

1. HEAT TRACE CONTROL PANEL LOCATED IN SEC-001.
2. SEE HEAT TRACE PLAN FOR HEAT TRACE AT ROOFS.

KEYNOTES:

1. SELF REGULATING HEAT TRACE CABLE. ATTACH CABLE TO ROOF WITH CLIPS. COORDINATE CLIP REQUIREMENTS WITH ROOFING CONTRACTOR.
2. POWER CONNECTION KIT WITH DOUBLE HEAT TRACE CABLE CONNECTION, AS REQUIRED. COORDINATE MOUNTING REQUIREMENTS WITH STRUCTURAL STEEL CONTRACTOR.
3. PROVIDE CABLE PROTECTION WHERE CABLE ENTERS ROOF DRAIN STRAINERS.
4. RUN HEAT TRACE DOWN RAIN LEADER, ADD END SEALS AT DOWNSPOUT.

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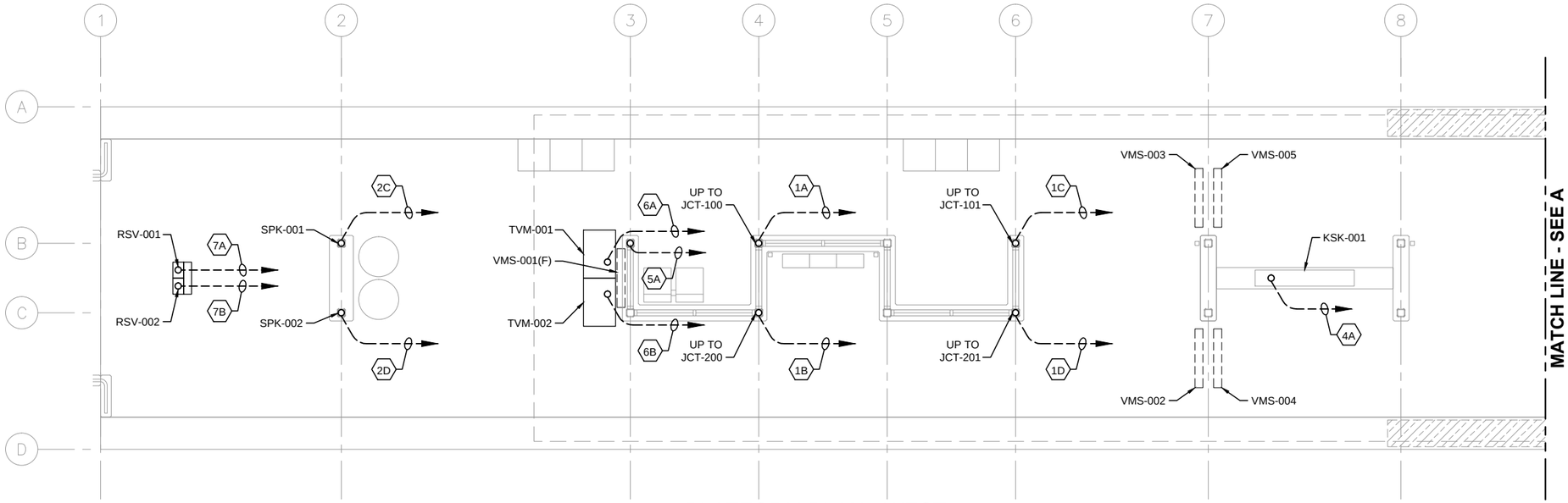
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
ELECTRICAL
HEAT TRACE ELEVATION

DISCIPLINE: ELECTRICAL
SHEET NAME: E1-HOP-ELE-PLN-321

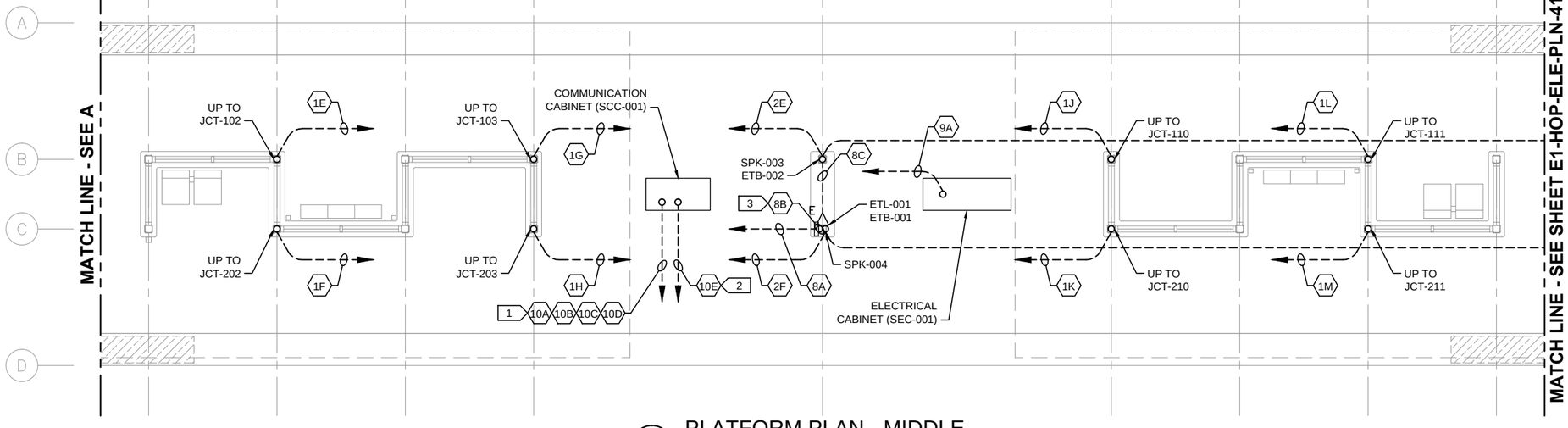
SHEET 71 OF 510

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1 PLATFORM PLAN - WEST

SCALE: 1/8"=1'-0"



2 PLATFORM PLAN - MIDDLE

SCALE: 1/8"=1'-0"

0 2 4 8

HORIZONTAL SCALE IN FEET

GENERAL NOTES:

1. DASHED LINES WITH AN ARROWHEAD DENOTE HOMERUN TO SCC-001, UNLESS OTHERWISE NOTED.
2. FOR CONDUITS AND DEVICES MOUNTED TO CANOPY, SEE COMMUNICATIONS CANOPY PLAN.
3. SEE SHEETS E1-HOP-ELE-SCH-461 AND E1-HOP-ELE-SCH-462 FOR CONDUIT SCHEDULES.
4. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
5. ALL UNDERSLAB CONDUIT SHALL BE PVC, ALL CONDUIT ABOVE PLATFORM SURFACE SHALL BE GRS.
6. CONDUIT ROUTING SHOWN DIAGRAMMATICALLY.
7. TVMs, RSVs, SPEAKERS, ETEL AND COMMUNICATION CABINET TO BE PROVIDED BY OTHERS; SHOWN FOR REFERENCE ONLY.

KEYNOTES:

1. COMMUNICATIONS CONDUITS TO/FROM STATION SIGNAL-COMMUNICATIONS HOUSE, VIA MH-XXXX.
2. CONDUIT TO/FROM STATION-COMMUNICATIONS HOUSE FOR UPS POWER FEED TO SCC-001.
3. CONDUIT AND CABLE FOR ETEL BEACON LIGHT SHALL BE INSTALLED ENTIRELY WITHIN COLUMN.

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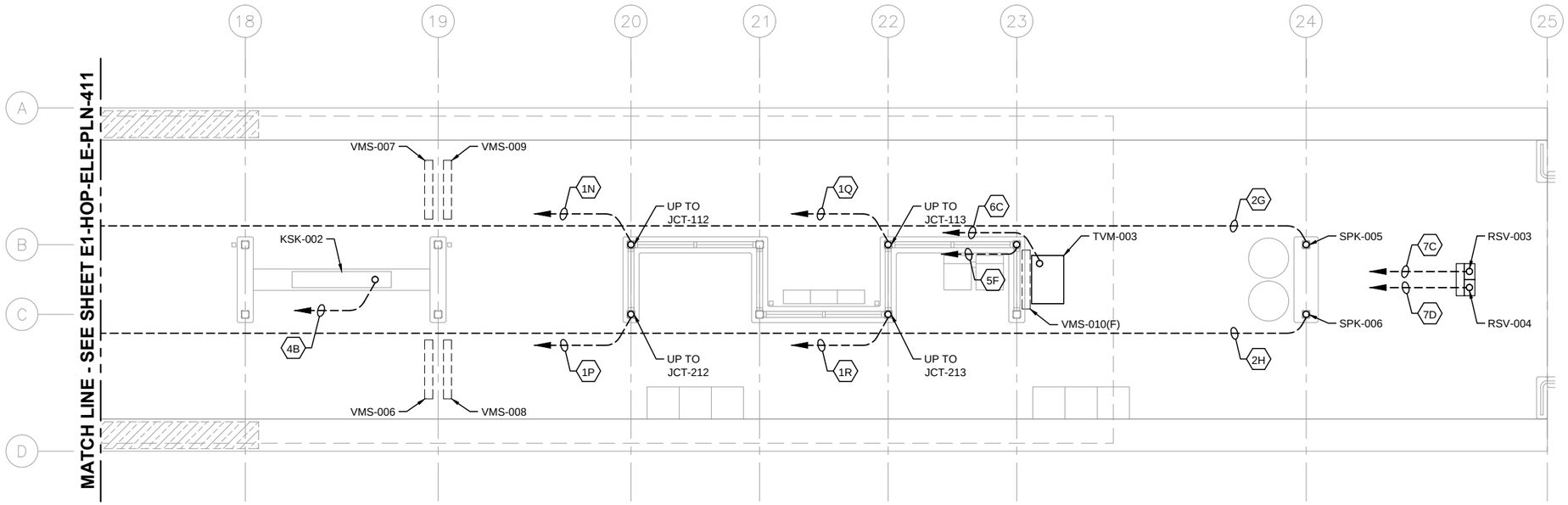
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION COMMUNICATIONS
UNDERSLAB CONDUIT PLAN (1 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E1-HOP-ELE-PLN-411

SHEET 72 OF 510

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1 PLATFORM PLAN - EAST

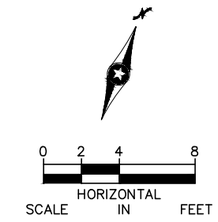
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. DASHED LINES WITH AN ARROWHEAD DENOTE HOMERUN TO SCC-001, UNLESS OTHERWISE NOTED.
2. FOR CONDUITS AND DEVICES MOUNTED TO CANOPY, SEE COMMUNICATIONS CANOPY PLAN.
3. SEE SHEETS E1-HOP-ELE-SCH-461 AND E1-HOP-ELE-SCH-462 FOR CONDUIT SCHEDULES.
4. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
5. ALL UNDERSLAB CONDUIT SHALL BE PVC, ALL CONDUIT ABOVE PLATFORM SURFACE SHALL BE GRS.
6. CONDUIT ROUTING SHOWN DIAGRAMMATICALLY.
7. TVMs, RSVs, SPEAKERS, ETEL AND COMMUNICATION CABINET TO BE PROVIDED BY OTHERS; SHOWN FOR REFERENCE ONLY.

KEYNOTES:

1.



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SOUTHWEST
Green Line LRT Extension

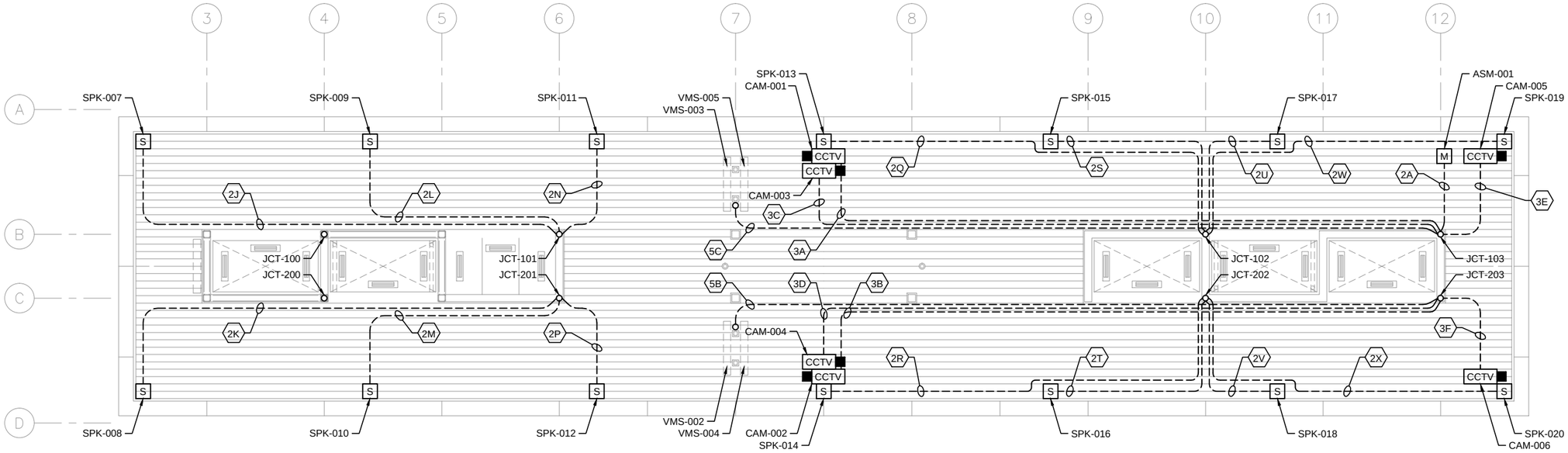
CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
COMMUNICATIONS
UNDERSLAB CONDUIT PLAN (2 OF 2)

DISCIPLINE: ELECTRICAL

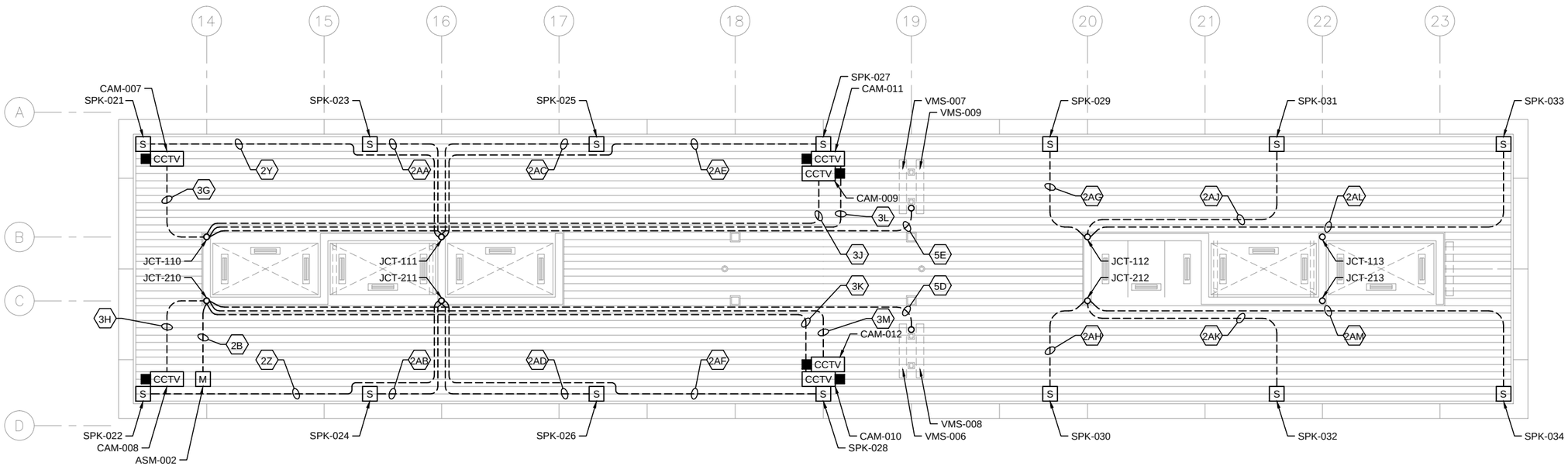
SHEET NAME: E1-HOP-ELE-PLN-412

SHEET 73 OF 510

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1 CANOPY PLAN – WEST
SCALE: 1/8"=1'–0"



2 CANOPY PLAN – EAST
SCALE: 1/8"=1'–0"

GENERAL NOTES:

1. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
2. SEE SHEETS E1-HOP-ELE-SCH-461 AND E1-HOP-ELE-SCH-462 FOR CONDUIT SCHEDULES.
3. ALL CONDUIT SHOWN SHALL BE GRS.
4. CONDUIT ROUTING SHOWN DIAGRAMMATICALLY.

KEYNOTES:

1.

HORIZONTAL SCALE IN FEET
0 2 4 8

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SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
COMMUNICATIONS
CANOPY PLAN

DISCIPLINE: ELECTRICAL
SHEET NAME: E1-HOP-ELE-PLN-421

SHEET 74 OF 510

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GENERAL NOTES:

1. CONDUIT NUMBERS CORRELATE TO ⬡ NUMBERS ON PLAN SHEETS AND ELEVATIONS.
2. SEE PLAN AND ELEVATION SHEETS FOR LOCATIONS OF CONDUITS.

DOWNTOWN HOPKINS STATION COMMUNICATION CONDUIT AND CABLE SCHEDULE

CONDUIT NO.	DEVICE ID	DESCRIPTION/USE	FROM	TO	CONDUIT SIZE
10A	HOP -CON-0001	S/C HOUSE TO SCC-001	S/C MANHOLE	HOP -SCC-001	3"
10B	HOP -CON-0002	S/C HOUSE TO SCC-001	S/C MANHOLE	HOP -SCC-001	3"
10C	HOP -CON-0003	S/C HOUSE TO SCC-001	S/C MANHOLE	HOP -SCC-001	3"
10D	HOP -CON-0004	S/C HOUSE TO SCC-001	S/C MANHOLE	HOP -SCC-001	3"
10E	HOP -CON-0005	UPS POWER FEED: SCH TO SCC	HOP -SCH-001	HOP -SCC-001	3"
1A	HOP -CON-0101	SCC TO JUNCTION 100	HOP -SCC-001	HOP -JCT-100	2"
1B	HOP -CON-0102	SCC TO JUNCTION 200	HOP -SCC-001	HOP -JCT-200	2"
1C	HOP -CON-0103	SCC TO JUNCTION 101	HOP -SCC-001	HOP -JCT-101	2"
1D	HOP -CON-0104	SCC TO JUNCTION 201	HOP -SCC-001	HOP -JCT-201	2"
1E	HOP -CON-0105	SCC TO JUNCTION 102	HOP -SCC-001	HOP -JCT-102	2"
1F	HOP -CON-0106	SCC TO JUNCTION 202	HOP -SCC-001	HOP -JCT-202	2"
1G	HOP -CON-0107	SCC TO JUNCTION 103	HOP -SCC-001	HOP -JCT-103	2"
1H	HOP -CON-0108	SCC TO JUNCTION 203	HOP -SCC-001	HOP -JCT-203	2"
1J	HOP -CON-0109	SCC TO JUNCTION 110	HOP -SCC-001	HOP -JCT-110	2"
1K	HOP -CON-0110	SCC TO JUNCTION 210	HOP -SCC-001	HOP -JCT-210	2"
1L	HOP -CON-0111	SCC TO JUNCTION 111	HOP -SCC-001	HOP -JCT-111	2"
1M	HOP -CON-0112	SCC TO JUNCTION 211	HOP -SCC-001	HOP -JCT-211	2"
1N	HOP -CON-0113	SCC TO JUNCTION 112	HOP -SCC-001	HOP -JCT-112	2"
1P	HOP -CON-0114	SCC TO JUNCTION 212	HOP -SCC-001	HOP -JCT-212	2"
1Q	HOP -CON-0115	SCC TO JUNCTION 113	HOP -SCC-001	HOP -JCT-113	2"
1R	HOP -CON-0116	SCC TO JUNCTION 213	HOP -SCC-001	HOP -JCT-213	2"
2A	HOP -CON-0201	MICROPHONE 1 - NOISE SENSING	HOP -JCT-103	HOP -ASM-001	1"
2B	HOP -CON-0202	MICROPHONE 2 - NOISE SENSING	HOP -JCT-210	HOP -ASM-002	1"
2C	HOP -CON-0203	SPEAKER 1 - POLE	HOP -SCC-001	HOP -SPK-001	1-1/2"
2D	HOP -CON-0204	SPEAKER 2 - POLE	HOP -SCC-001	HOP -SPK-002	1-1/2"
2E	HOP -CON-0205	SPEAKER 3 - POLE	HOP -SCC-001	HOP -SPK-003	1-1/2"
2F	HOP -CON-0206	SPEAKER 4 - POLE	HOP -SCC-001	HOP -SPK-004	1-1/2"
2G	HOP -CON-0207	SPEAKER 5 - POLE	HOP -SPK-003	HOP -SPK-005	1-1/2"
2H	HOP -CON-0208	SPEAKER 6 - POLE	HOP -SPK-004	HOP -SPK-006	1-1/2"
2J	HOP -CON-0209	SPEAKER 7 - CANOPY	HOP -JCT-101	HOP -SPK-007	1"
2K	HOP -CON-0210	SPEAKER 8 - CANOPY	HOP -JCT-201	HOP -SPK-008	1"
2L	HOP -CON-0211	SPEAKER 9 - CANOPY	HOP -JCT-101	HOP -SPK-009	1"
2M	HOP -CON-0212	SPEAKER 10 - CANOPY	HOP -JCT-201	HOP -SPK-010	1"
2N	HOP -CON-0213	SPEAKER 11 - CANOPY	HOP -JCT-101	HOP -SPK-011	1"
2P	HOP -CON-0214	SPEAKER 12 - CANOPY	HOP -JCT-201	HOP -SPK-012	1"
2Q	HOP -CON-0215	SPEAKER 13 - CANOPY	HOP -JCT-102	HOP -SPK-013	1"
2R	HOP -CON-0216	SPEAKER 14 - CANOPY	HOP -JCT-202	HOP -SPK-014	1"
2S	HOP -CON-0217	SPEAKER 15 - CANOPY	HOP -JCT-102	HOP -SPK-015	1"
2T	HOP -CON-0218	SPEAKER 16 - CANOPY	HOP -JCT-202	HOP -SPK-016	1"
2U	HOP -CON-0219	SPEAKER 17 - CANOPY	HOP -JCT-102	HOP -SPK-017	1"
2V	HOP -CON-0220	SPEAKER 18 - CANOPY	HOP -JCT-202	HOP -SPK-018	1"
2W	HOP -CON-0221	SPEAKER 19 - CANOPY	HOP -JCT-102	HOP -SPK-019	1"
2X	HOP -CON-0222	SPEAKER 20 - CANOPY	HOP -JCT-202	HOP -SPK-020	1"
2Y	HOP -CON-0223	SPEAKER 21 - CANOPY	HOP -JCT-111	HOP -SPK-021	1"
2Z	HOP -CON-0224	SPEAKER 22 - CANOPY	HOP -JCT-211	HOP -SPK-022	1"
2AA	HOP -CON-0225	SPEAKER 23 - CANOPY	HOP -JCT-111	HOP -SPK-023	1"
2AB	HOP -CON-0226	SPEAKER 24 - CANOPY	HOP -JCT-211	HOP -SPK-024	1"
2AC	HOP -CON-0227	SPEAKER 25 - CANOPY	HOP -JCT-111	HOP -SPK-025	1"
2AD	HOP -CON-0228	SPEAKER 26 - CANOPY	HOP -JCT-211	HOP -SPK-026	1"
2AE	HOP -CON-0229	SPEAKER 27 - CANOPY	HOP -JCT-111	HOP -SPK-027	1"
2AF	HOP -CON-0230	SPEAKER 28 - CANOPY	HOP -JCT-211	HOP -SPK-028	1"
2AG	HOP -CON-0231	SPEAKER 29 - CANOPY	HOP -JCT-112	HOP -SPK-029	1"
2AH	HOP -CON-0232	SPEAKER 30 - CANOPY	HOP -JCT-212	HOP -SPK-030	1"
2AJ	HOP -CON-0233	SPEAKER 31 - CANOPY	HOP -JCT-112	HOP -SPK-031	1"
2AK	HOP -CON-0234	SPEAKER 32 - CANOPY	HOP -JCT-212	HOP -SPK-032	1"
2AL	HOP -CON-0235	SPEAKER 33 - CANOPY	HOP -JCT-112	HOP -SPK-033	1"
2AM	HOP -CON-0236	SPEAKER 34 - CANOPY	HOP -JCT-212	HOP -SPK-034	1"

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION COMMUNICATIONS
CONDUIT SCHEDULE (1 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E1-HOP-ELE-SCH-461

DOWNTOWN HOPKINS STATION COMMUNICATION CONDUIT AND CABLE SCHEDULE					
CONDUIT NO.	DEVICE ID	DESCRIPTION/USE	FROM	TO	CONDUIT SIZE
3A	HOP -CON-0301	CAMERA 1	HOP -JCT-103	HOP CAM-001	1"
3B	HOP -CON-0302	CAMERA 2	HOP -JCT-203	HOP CAM-002	1"
3C	HOP -CON-0303	CAMERA 3	HOP -JCT-103	HOP CAM-003	1"
3D	HOP -CON-0304	CAMERA 4	HOP -JCT-203	HOP CAM-004	1"
3E	HOP -CON-0305	CAMERA 5	HOP -JCT-103	HOP CAM-005	1"
3F	HOP -CON-0306	CAMERA 6	HOP -JCT-203	HOP CAM-006	1"
3G	HOP -CON-0307	CAMERA 7	HOP -JCT-110	HOP CAM-007	1"
3H	HOP -CON-0308	CAMERA 8	HOP -JCT-210	HOP CAM-008	1"
3J	HOP -CON-0309	CAMERA 9	HOP -JCT-110	HOP CAM-009	1"
3K	HOP -CON-0310	CAMERA 10	HOP -JCT-210	HOP CAM-010	1"
3L	HOP -CON-0311	CAMERA 11	HOP -JCT-110	HOP CAM-011	1"
3M	HOP -CON-0312	CAMERA 12	HOP -JCT-210	HOP CAM-012	1"
4A	HOP -CON-0401	KIOSK 1 (F)	HOP -SCC-001	HOP -KSK-001	2"
4B	HOP -CON-0402	KIOSK 2 (F)	HOP -SCC-001	HOP -KSK-002	2"
5A	HOP -CON-0501	VMS 1 (F)	HOP -SCC-001	HOP -VMS-001	1"
5B	HOP -CON-0502	VMS 2, VMS 3	HOP -SCC-001	HOP -VMS-002, -VMS-003	1-1/2"
5C	HOP -CON-0503	VMS 4, VMS 5	HOP -SCC-001	HOP -VMS-004, -VMS-005	1-1/2"
5D	HOP -CON-0504	VMS 6, VMS 7	HOP -SCC-001	HOP -VMS-006, -VMS-007	1-1/2"
5E	HOP -CON-0505	VMS 8, VMS 9	HOP -SCC-001	HOP -VMS-008, -VMS-009	1-1/2"
5F	HOP -CON-0506	VMS 10 (F)	HOP -SCC-001	HOP -VMS-010	1"
6A	HOP -CON-0601	TVM 1	HOP -SCC-001	HOP -TVM-001	2"
6B	HOP -CON-0602	TVM 2	HOP -SCC-001	HOP -TVM-002	2"
7A	HOP -CON-0701	VALIDATOR 1	HOP -SCC-001	HOP -RSV-001	1-1/2"
7B	HOP -CON-0702	VALIDATOR 2	HOP -SCC-001	HOP -RSV-002	1-1/2"
7C	HOP -CON-0703	VALIDATOR 3	HOP -SCC-001	HOP -RSV-003	1-1/2"
7D	HOP -CON-0704	VALIDATOR 4	HOP -SCC-001	HOP -RSV-004	1-1/2"
8A	HOP -CON-0801	EMERGENCY TELEPHONE 1 - PHONE	HOP -SCC-001	HOP -ETL-001	1-1/2"
8B	HOP -CON-0802	EMERGENCY TELEPHONE 1 - BEACON LIGHT 1	HOP -ETL-001	HOP -ETB-001	1"
8C	HOP -CON-0803	EMERGENCY TELEPHONE 1 - BEACON LIGHT 2	HOP -ETL-001	HOP -ETB-002	1"
9A	HOP -CON-0901	STATION ELECTRICAL CABINET	HOP -SCC-001	HOP -SEC-001	2"

GENERAL NOTES:

1. CONDUIT NUMBERS CORRELATE TO ⬡ NUMBERS ON PLAN SHEETS AND ELEVATIONS.
2. SEE PLAN AND ELEVATION SHEETS FOR LOCATIONS OF CONDUITS.

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
COMMUNICATIONS
CONDUIT SCHEDULE (2 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E1-HOP-ELE-SCH-462

SHEET 76 OF 510

DOWNTOWN HOPKINS CONDUIT AND WIRE SCHEDULE

CONDUIT NUMBER	SIZE	WIRE	FROM	TO	REMARKS	NOTES
1	1"	2#8, 1#10G	HEATERS HTR-101, 102, 103	PANELBOARD LP1A	POWER TO HEATERS	
2	1"	2#8, 1#10G	HEATERS HTR-104, 105, 106	PANELBOARD LP1A	POWER TO HEATERS	
3	1"	2#8, 1#10G	HEATERS HTR-107, 108, 109	PANELBOARD LP1A	POWER TO HEATERS	
4	1"	2#8, 1#10G	HEATERS HTR-110, 111, 112	PANELBOARD LP1A	POWER TO HEATERS	
5	1"	2#8, 1#10G	HEATERS HTR-113, 114, 115	PANELBOARD LP1A	POWER TO HEATERS	
6	1"	2#8, 1#10G	HEATERS HTR-116, 117, 118	PANELBOARD LP1A	POWER TO HEATERS	
7	1"	2#8, 1#10G	HEATERS HTR-119, 120, 121	PANELBOARD LP1A	POWER TO HEATERS	
8	1"	2#8, 1#10G	HEATERS HTR-122, 123, 124	PANELBOARD LP1A	POWER TO HEATERS	
9	1"	2#8, 1#10G	HEATERS HTR-125, 126, 127	PANELBOARD LP1A	POWER TO HEATERS	
10	1"	2#8, 1#10G	HEATERS HTR-128, 129, 130	PANELBOARD LP1A	POWER TO HEATERS	
11	1"	2#8, 1#10G	HEATERS HTR-131, 132, 133	PANELBOARD LP1A	POWER TO HEATERS	
12	1"	2#8, 1#10G	HEATERS HTR-134, 135, 136	PANELBOARD LP1A	POWER TO HEATERS	
13	1"	2#14, 1#14G	HPB-101	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
14	1"	2#14, 1#14G	HPB-102	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
15	1"	2#14, 1#14G	HPB-103	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
16	1"	2#14, 1#14G	HPB-104	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
17	1"	2#14, 1#14G	HPB-105	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
18	1"	2#14, 1#14G	HPB-106	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
19	1"	2#14, 1#14G	HPB-107	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
20	1"	2#14, 1#14G	HPB-108	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
21	1"	2#14, 1#14G	HPB-109	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
22	1"	2#14, 1#14G	HPB-110	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
23	1"	2#14, 1#14G	HPB-111	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
24	1"	2#14, 1#14G	HPB-112	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
25	1"	2#10, 1#10G	TVM-101	PANELBOARD LP1B	POWER TO TVM	
26	1"	4#10, 2#10G	TVM-102, TVM-103	PANELBOARD LP1B	POWER TO TVMs	
27	1"	4#12, 2#12G	RSV-101, RSV-102	PANELBOARD LP1B	POWER TO RSVs	
28	1"	4#12, 2#12G	RSV-103, RSV-104	PANELBOARD LP1B	POWER TO RSVs	
29	1"	2#12, 1#12G	KSK-101	PANELBOARD LP1A	POWER TO KIOSK	
30	1"	2#12, 1#12G	KSK-102	PANELBOARD LP1A	POWER TO KIOSK	
31	1"	2#12, 1#12G	CANOPY LUMINAIRES	PANELBOARD LP1A	POWER TO LUMINAIRES	
32	1"	2#12, 1#12G	CANOPY LUMINAIRES	PANELBOARD LP1A	POWER TO LUMINAIRES	
33	1"	2#12, 1#12G	CANOPY LUMINAIRES	PANELBOARD LP1A	POWER TO LUMINAIRES	
34	1"	2#12, 1#12G	CANOPY LUMINAIRES	PANELBOARD LP1A	POWER TO LUMINAIRES	
35	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2
36	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2
37	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2
38	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2
39	1"	2#10, 1#10G	RAMP LIGHTING	PANELBOARD LP1A	POWER TO RAMP LIGHTING	
40	1"	2#10, 1#10G	RAMP LIGHTING	PANELBOARD LP1A	POWER TO RAMP LIGHTING	
41	1"	2#10, 1#10G	RAMP LIGHTING	PANELBOARD LP1A	POWER TO RAMP LIGHTING	
42	1"	2#10, 1#10G	RAMP LIGHTING	PANELBOARD LP1A	POWER TO RAMP LIGHTING	
43	1"	4#10, 1#10G	COMMUNICATIONS CABINET SCC-001	PANELBOARD LP1B	POWER TO COMMUNICATIONS CABINET	
44	1"	EMPTY W/ PULL CORD	VMS-001 (F)	PANELBOARD LP1B	POWER TO VMS (F)	
45	1"	4#10, 2#10G	VMS-002, VMS-003	PANELBOARD LP1B	POWER TO VMS	
46	1"	4#10, 2#10G	VMS-008, VMS-009	PANELBOARD LP1B	POWER TO VMS	
47	1"	EMPTY W/ PULL CORD	VMS-010 (F)	PANELBOARD LP1B	POWER TO VMS (F)	
48	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
49	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
50	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
51	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
52	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
53						
54						
55						

ELECTRICAL NOTES
1. NOT USED
2. 3/C#18 CABLE FOR AMBIENT AIR TEMPERATURE SENSOR IS ALSO RUN IN THE CONDUIT.

PANELBOARD SCHEDULE HOP-LP1A

400 AMP BUS RATING, 120/208 VOLTS MLO, 3 PHASE 4 WIRE 60Hz, 42 POLES SURFACE MOUNTED LOCATION

DESCRIPTION	kVA	AMPS/POLES	CKT	AØ	BØ	CØ	CKT	AMPS/POLES	kVA	DESCRIPTION
RAMP LIGHTING	0.4	20/1	1	X			2	30/2	2.4	HTR-119, 120, 121
RAMP LIGHTING	0.4	20/1	3		X		4		2.4	
HTR-101, 102, 103	2.4	30/2	5			X	6	30/2	2.4	HTR-122, 123, 124
	2.4		7	X			8		2.4	
HTR-104, 105, 106	2.4	30/2	9		X		10	30/2	2.4	HTR-125, 126, 127
	2.4		11			X	12		2.4	
HTR-107, 108, 109	2.4	30/2	13	X			14	30/2	2.4	HTR-128, 129, 130
	2.4		15		X		16		2.4	
HTR-110, 111 112	2.4	30/2	17			X	18	30/2	2.4	HTR-131, 132, 133
	2.4		19	X			20		2.4	
HTR-113, 114, 115	2.4	30/2	21		X		22	30/2	2.4	HTR-134, 135, 136
	2.4		23			X	24		2.4	
HTR-116, 117, 118	2.4	30/2	25	X			26	20/1	0.18	SHELTER LUMINAIRES
	2.4		27		X		28	20/1	0.18	SHELTER LUMINAIRES
KSK-101	0.3	20/1	29			X	30	20/1	0.18	SHELTER LUMINAIRES
KSK-102	0.3	20/1	31	X			32	20/1	0.18	SHELTER LUMINAIRES
HTRCP-101	1.0	30/2	33		X		34	20/1	1.0	POLE LUMINAIRES
	1.0		35			X	36	20/1		SPARE
HTRCP-102	1.0	30/2	37	X			38	20/1		SPARE
	1.0		39		X		40			SPACE
SPACE			41			X	42			SPACE
		kVA		26.6	28.0	26.7	kVA		5.3	
		AMPS		221.3	233.2	222.3	AMPS		5.2	
									6.0	FEED THROUGH LUGS LP1B

PANELBOARD SCHEDULE HOP-LP1B

400 AMP BUS RATING, 120/208 VOLTS, 400 MLO, 3 PHASE 4 WIRE 60Hz, 30 POLES SURFACE MOUNTED LOCATION

DESCRIPTION	kVA	AMPS/POLES	CKT	AØ	BØ	CØ	CKT	AMPS/POLES	kVA	DESCRIPTION
SPD		60/2	1	X			2	20/1	0.3	RSV-101
			3		X		4	20/1	0.3	RSV-102
SEC-001	0.5	20/1	5			X	6	20/1	0.3	RSV-103
VMS-001 (FUTURE)	1.0	20/1	7	X			8	20/1	0.3	RSV-104
VMS-002	1.0	20/1	9		X		10	20/1		SPARE
VMS-003	1.0	20/1	11			X	12	20/1		SPARE
SCC-001	2.7	30/2	13	X			14	20/1	1.0	VMS-008
	2.7		15		X		16	20/1	1.0	VMS-009
SPARE		20/1	17			X	18	20/1	1.0	VMS-010 (FUTURE)
SPARE		20/1	19	X			20	30/1		SPARE
HTG AND LTG CONTROL SYSTEM	0.2	15/1	21		X		22	30/1		SPARE
TVM-101	1.6	30/1	23			X	24	30/1	1.6	TVM-102
SPACE			25	X			26			SPACE
SPACE			27		X		28			SPACE
SPACE			29			X	30			SPACE
		kVA		5.3	5.2	6.0	kVA			
		AMPS		44.2	43.3	50.0	AMPS			

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METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
ELECTRICAL
SCHEDULES

DISCIPLINE: ELECTRICAL
SHEET NAME: E1-HOP-ELE-SCH-501

SHEET 77 OF 510

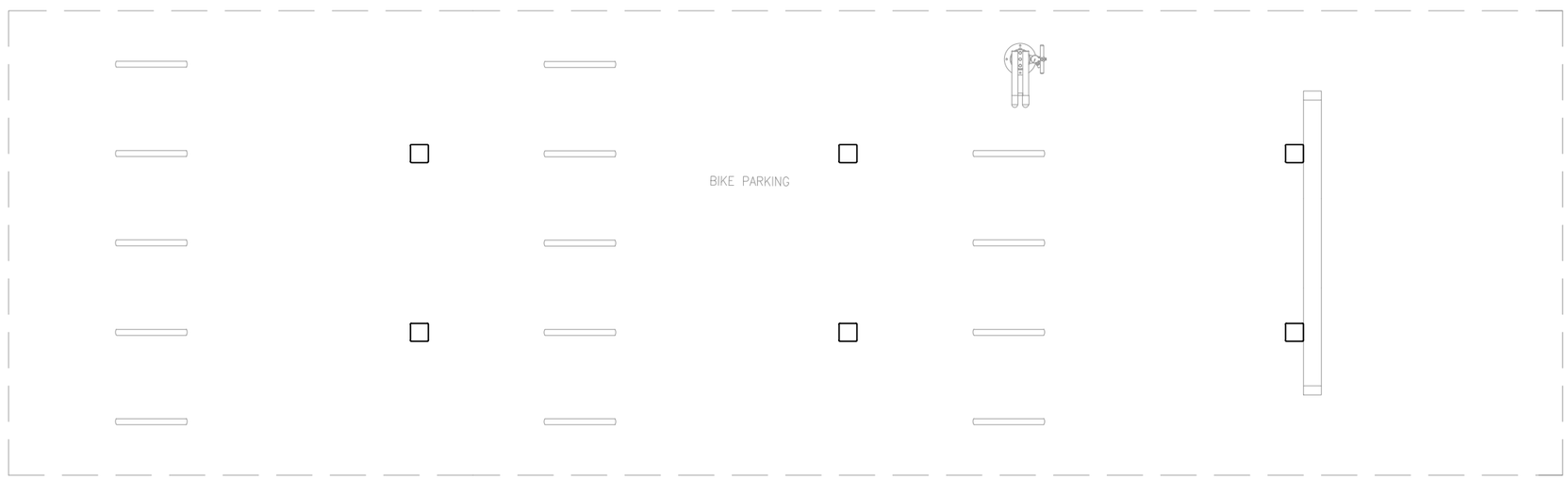
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GENERAL NOTES:

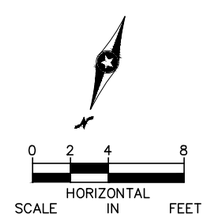
1. XXXXX

KEYNOTES:

1. XXXXX



1 REST ROOM FACILITY AND BIKE PARKING POWER PLAN
SCALE: 1/4"=1'-0"



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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
DOWNTOWN HOPKINS STATION
ELECTRICAL
BUS OPERATOR RESTROOM FACILITY PLAN

DISCIPLINE: ELECTRICAL

SHEET NAME: E1-HOP-ELE-PLN-601

SHEET 78 OF 510

Jan, 18 2016 10:43 am V:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-HOP-ELE-PLN-601.dwg By: FergTK

CODE SUMMARY - CENTER PLATFORM
BLAKE STATION

CODE REFERENCES

MINNESOTA STATE BUILDING CODE	2015
NFPA 130 – STANDARD FOR FIXED GUIDEWAY TRANSIT AND PASSENGER RAIL SYSTEMS	2014

IBC REVIEW

A. DESCRIPTION
LOCATION: HOPKINS, MN

THE LIGHT RAIL TRANSIT STATION IS A PARTIALLY CANOPIED PLATFORM AREA. IT CONSISTS OF A PLATFORM 270' LONG BY 21'–4" ACCESSED BY A SLOPED WALK AT EACH END OF PLATFORM. PLATFORM IS OPEN TO EXTERIOR ON ALL FOUR SIDES.

TYPICAL PLATFORM AREA: 5760 SQUARE FEET (GROSS AREA)
4264 SQUARE FEET (NET AREA AFTER STRUCTURAL ELEMENTS, DETECTABLE WARNINGS, FIXTURES AND PERMANENTLY INSTALLED FURNISHINGS ARE DEDUCTED)

CANOPY COVERAGE AREA AT PLATFORM: = 3169 SQUARE FEET
731 SQUARE FEET (LOWER @ 36'–8" X 13'–8" AND UPPER @ 34'–6" X 6'–8") WEST CANOPY
1707 SQUARE FEET (LOWER @ 84'–8" X 13'–8" AND UPPER @ 82'–6" X 6'–8") MIDDLE CANOPY
731 SQUARE FEET (LOWER @ 36'–8" X 13'–8" AND UPPER @ 34'–6" X 6'–8") EAST CANOPY

B. OCCUPANCY CLASSIFICATION (IBC 2015 SECTION 303.1)

WAITING AREAS IN TRANSPORTATION TERMINALS: GROUP 'A' DIVISION 3
(15 S.F. PER PERSON)

C. OCCUPANCY SEPARATIONS

NONE ARE REQUIRED

D. TYPE OF CONSTRUCTION (IBC 2015 TABLE 601)

TYPE IIB CONSTRUCTION

E. ALLOWABLE BUILDING AREA AND BUILDING HEIGHT (IBC 2015 TABLE 503)

2 STORIES AT 9,500 SQUARE FEET PER STORY

F. IBC EXITING SUMMARY

NO. OF OCCUPANTS = 4264 S.F. / 15 S.F./OCC = 285
REQUIRED EGRESS WIDTH = 285 X 0.2 = 57" (PER 1005.3.2)
WIDTH PROVIDED = 2 RAMPS AT 145" = 290"
2 MEANS OF EGRESS PROVIDED

PLATFORM COLOR AND FINISH SCHEDULE

PRODUCTS AND COLORS LISTED ARE THE BASIS OF DESIGN FOR AESTHETIC/ARCHITECTURAL INTENT. SEE SPECIFICATIONS FOR MATERIAL/PRODUCT REQUIREMENTS.

PLATFORM COLOR AND FINISH SCHEDULE

TYPE	STATION	STRUCTURAL STEEL PAINT COLOR	PLATFORM CONC COLOR	PLATFORM CONC FINISH	CONC WALL COLOR	CONC WALL FINISH	RAILING INFILL MATERIAL	ALUM WDW FRAME FINISH	EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA FINISH	ALUM COMP CANOPY SOFFIT AND FASCIA COLOR
CENTER	BLAKE STATION	PPG 518–6 KNIGHT'S ARMOR	CEMSTONE SPLIT ROCK	LIGHT BROOM	CEMSTONE SPLIT ROCK	TBD	GALV STL CABLE	CLEAR ANODIZED	HUNTER DOUGLAS WOODWRIGHT 8436 GOLDEN DOUGLAS FIR	ALUCOBOND MERCEDES DEEP BLUE

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SOUTHWEST Green Line LRT Extension

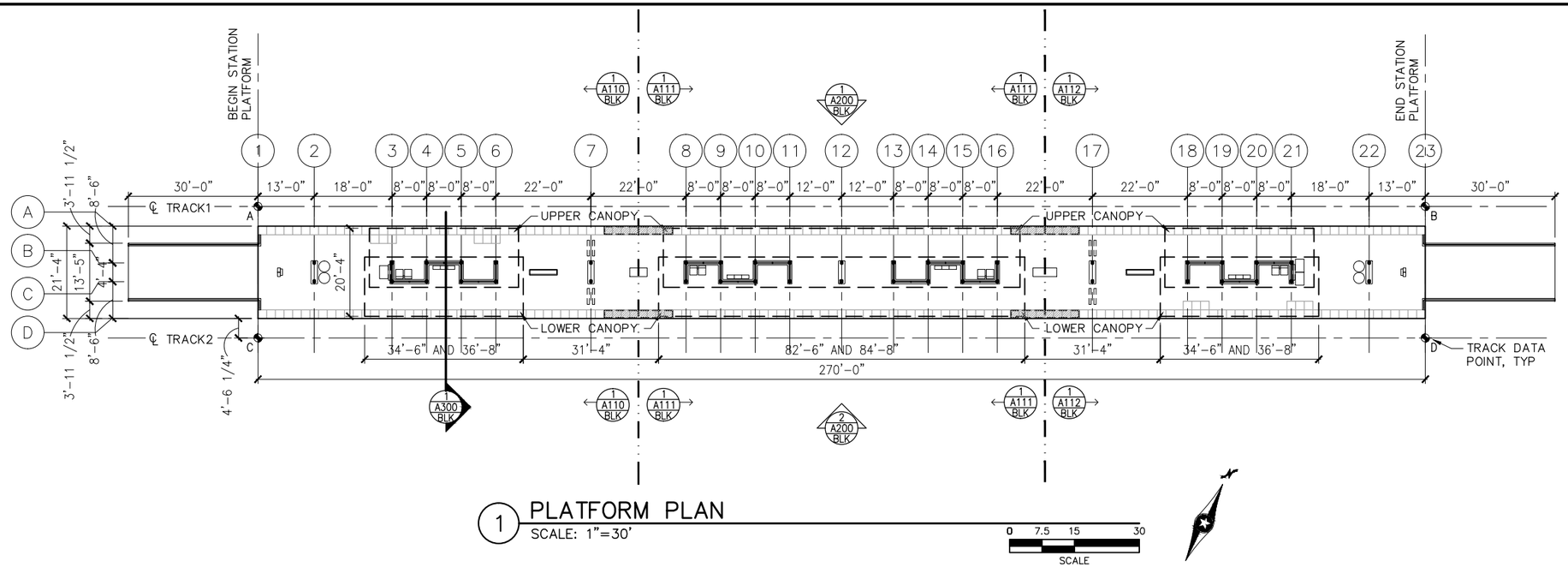
CIVIL - VOLUME 11C
BLAKE STATION
CODE SUMMARY / FINISH SCHEDULE

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-BLK-ARC-COD-010

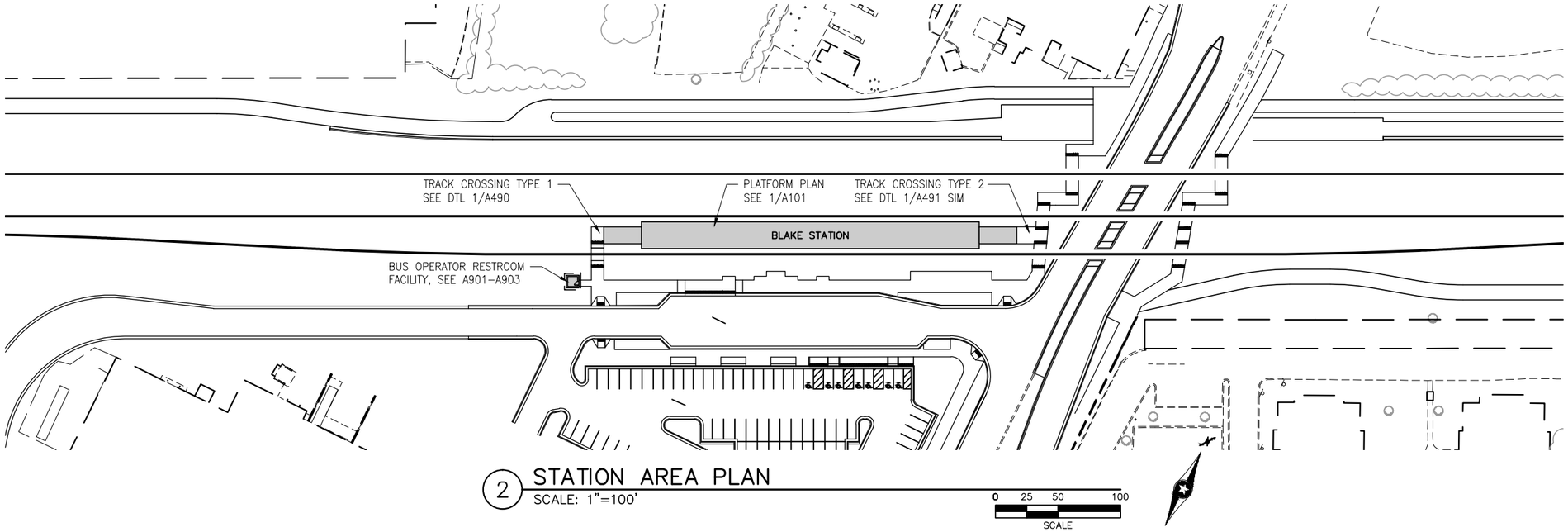
SHEET 79 OF 510

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1 PLATFORM PLAN
SCALE: 1"=30'

0 7.5 15 30
SCALE



2 STATION AREA PLAN
SCALE: 1"=100'

0 25 50 100
SCALE

TRACK DATA

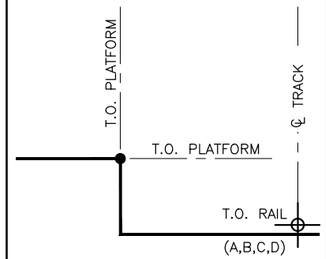
℄ ELEV 100'–0" (LOCATION ON PLAN)

TRACK 1 EL 100'–0"= 920.83 (PT 'B')

POINT	T.O. RAIL ELEVATION	TRACK 1 STATIONING	
A	922.11	1575+08.90	
B	920.83	1577+78.90	

TRACK 2 EL 100'–0"= 920.83 (PT 'D')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING	
C	922.11	2575+08.90	
D	920.83	2577+78.90	



SECTION DIAGRAM AT PLATFORM EDGE
SEE DTL 1/A520
FOR DETAIL AND DIMENSIONS

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SOUTHWEST Green Line LRT Extension

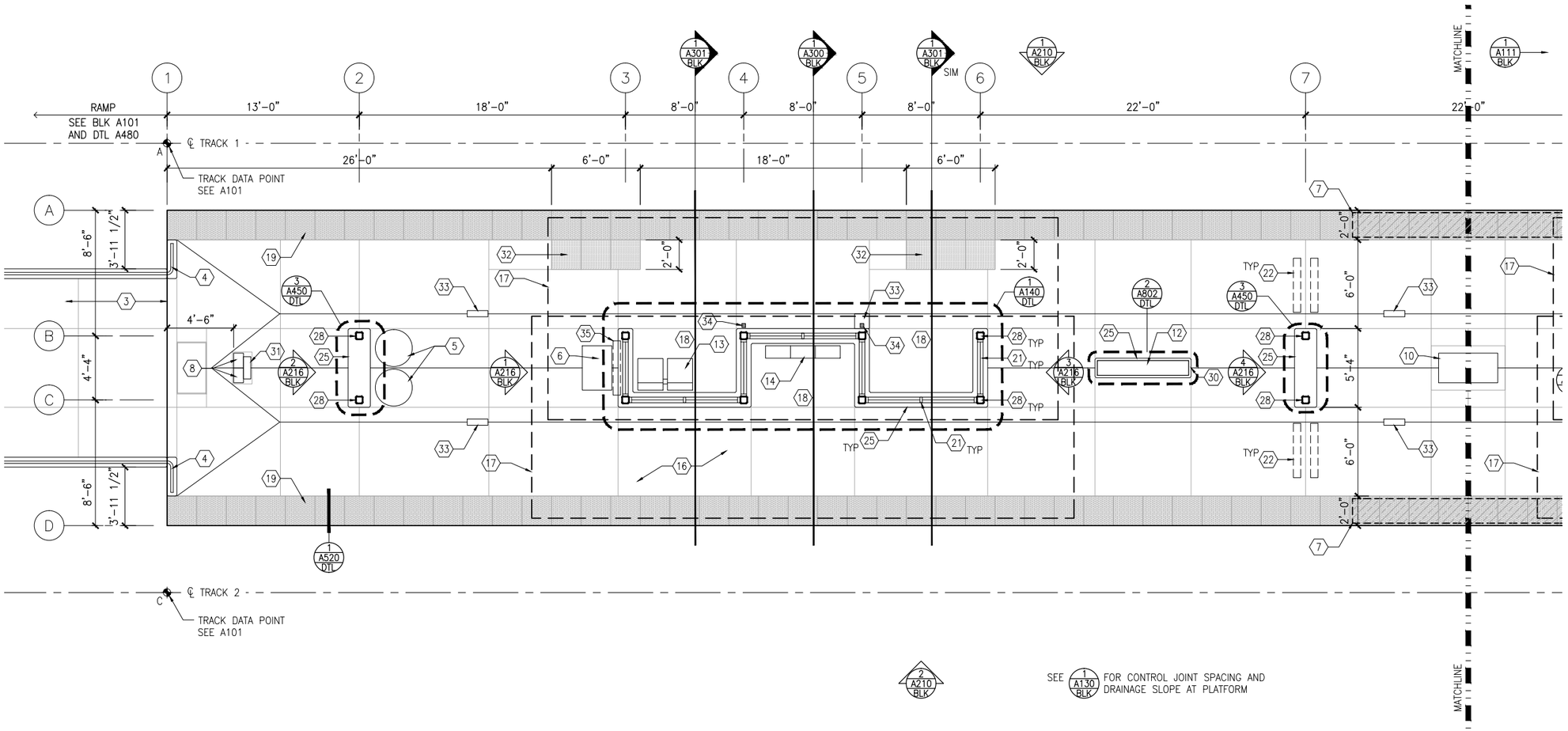
CIVIL - VOLUME 11C
BLAKE STATION
PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-BLK-ARC-PLN-101

SHEET 80 OF 510

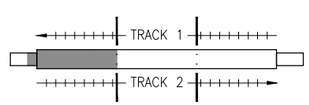
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1 WEST PARTIAL PLATFORM PLAN

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



KEYPLAN

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. ADA BETWEEN-CAR BARRIER
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE – SEE ELECTRICAL
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

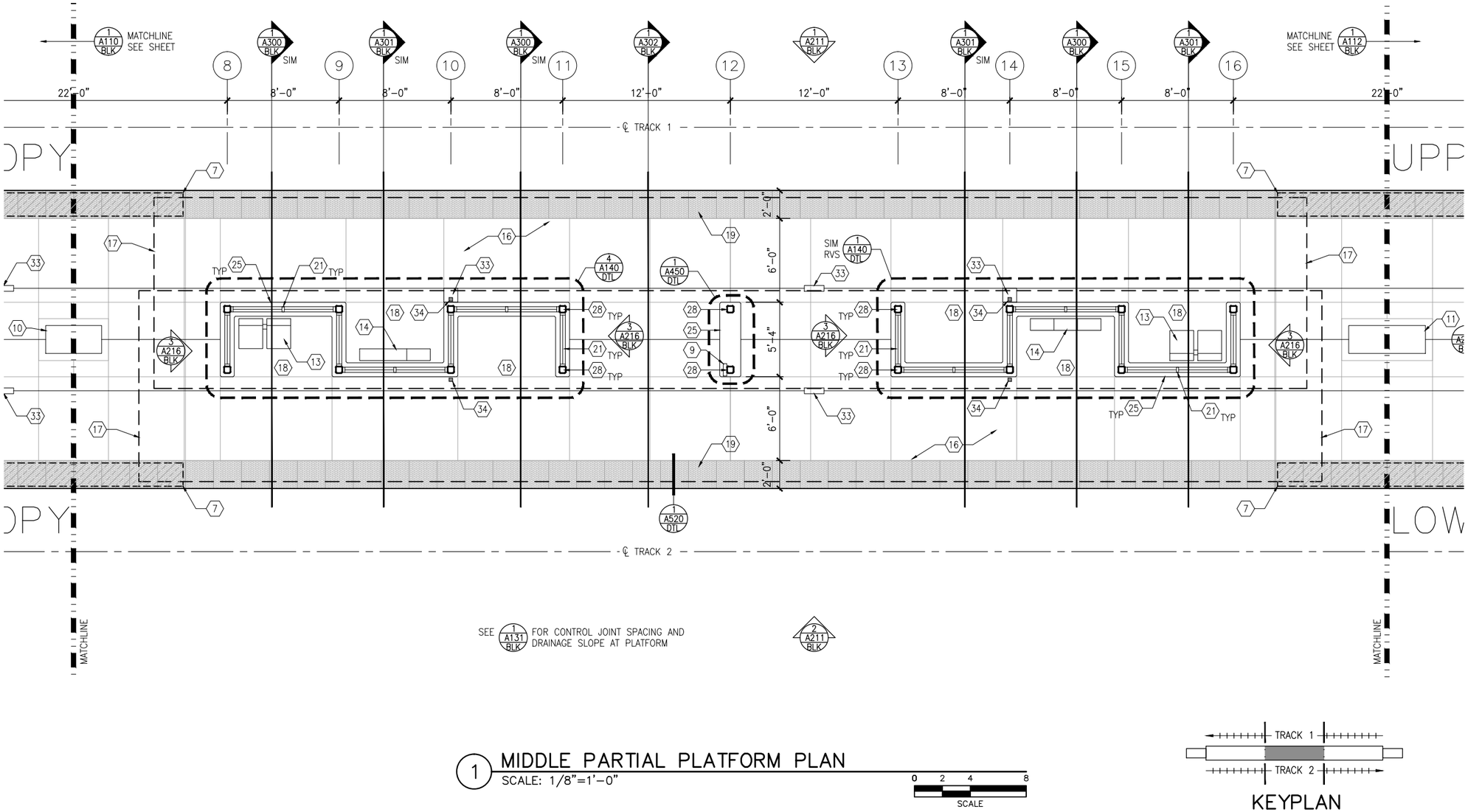
CIVIL - VOLUME 11C
BLAKE STATION
WEST PARTIAL PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-BLK-ARC-PLN-110

SHEET 81 OF 510

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SEE A131 BLK FOR CONTROL JOINT SPACING AND DRAINAGE SLOPE AT PLATFORM

SEE A211 BLK

1 MIDDLE PARTIAL PLATFORM PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

KEYPLAN

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. ADA BETWEEN-CAR BARRIER
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE – SEE ELECTRICAL
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL

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SOUTHWEST Green Line LRT Extension

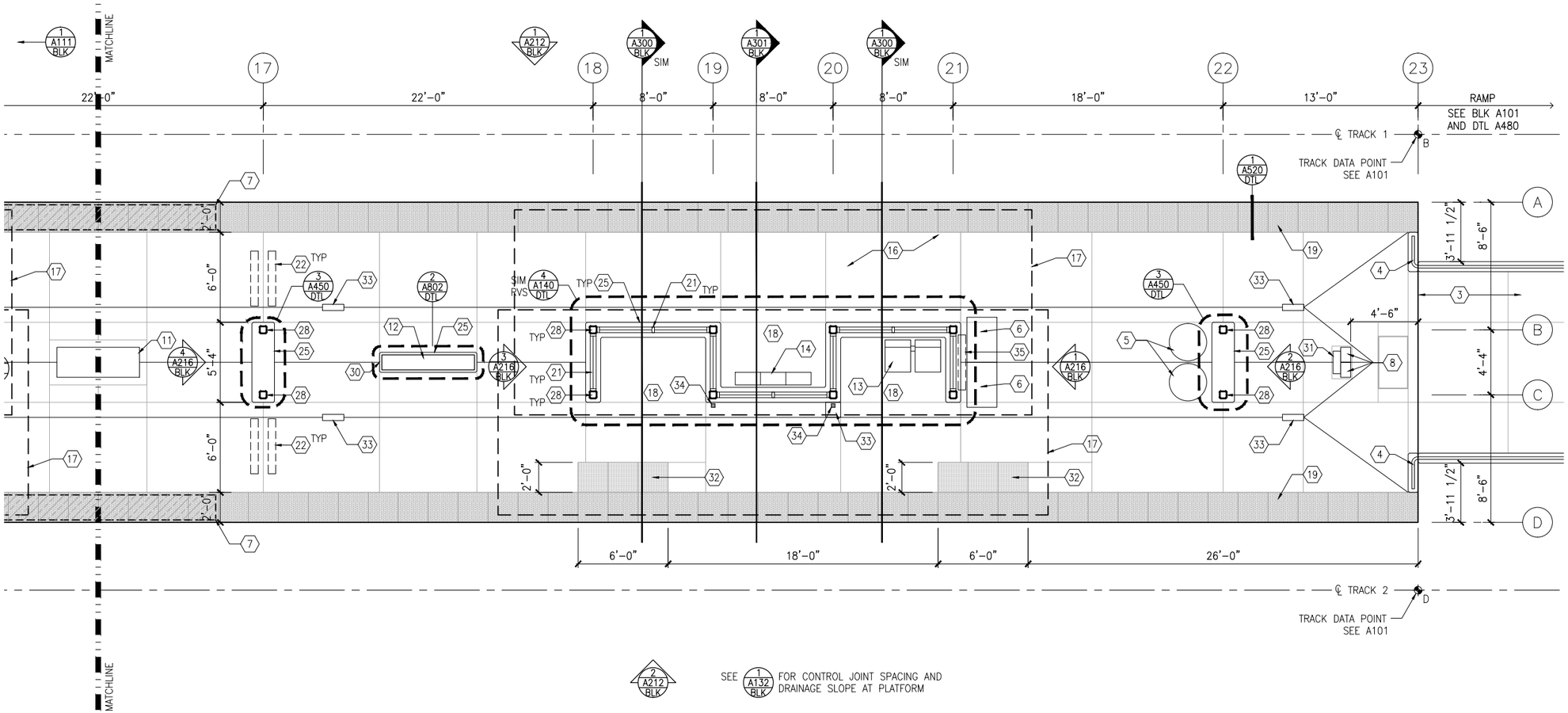
CIVIL - VOLUME 11C
BLAKE STATION
MIDDLE PARTIAL PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-BLK-ARC-PLN-111

SHEET 82 OF 510

Jan, 18 2016 10:45 am V:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-PLN-111.dwg By: MurphySP

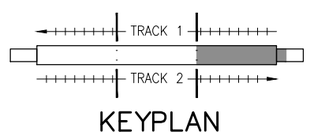


SEE (2/A212 BLK) FOR CONTROL JOINT SPACING AND DRAINAGE SLOPE AT PLATFORM

1 EAST PARTIAL PLATFORM PLAN

SCALE: 1/8"=1'–0"

0 2 4 8
SCALE



KEYPLAN

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. ADA BETWEEN–CAR BARRIER
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE – SEE ELECTRICAL
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BLAKE STATION
EAST PARTIAL PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-BLK-ARC-PLN-112

SHEET 83 OF 510

Jan, 18 2016 10:45 am V:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-PLN-112.dwg By: MurphySP

PAVEMENT NOTES

SLOPE TRANSITIONS ARE SHOWN FOR REFERENCE. BLEND/EASE TRANSITIONS TO DRAIN AND SO THAT NO ABRUPT CHANGE IN SLOPE IS VISIBLE ON PLATFORM SURFACE

LEGEND

– – – – – – SLOPES

———— CUT JOINTS

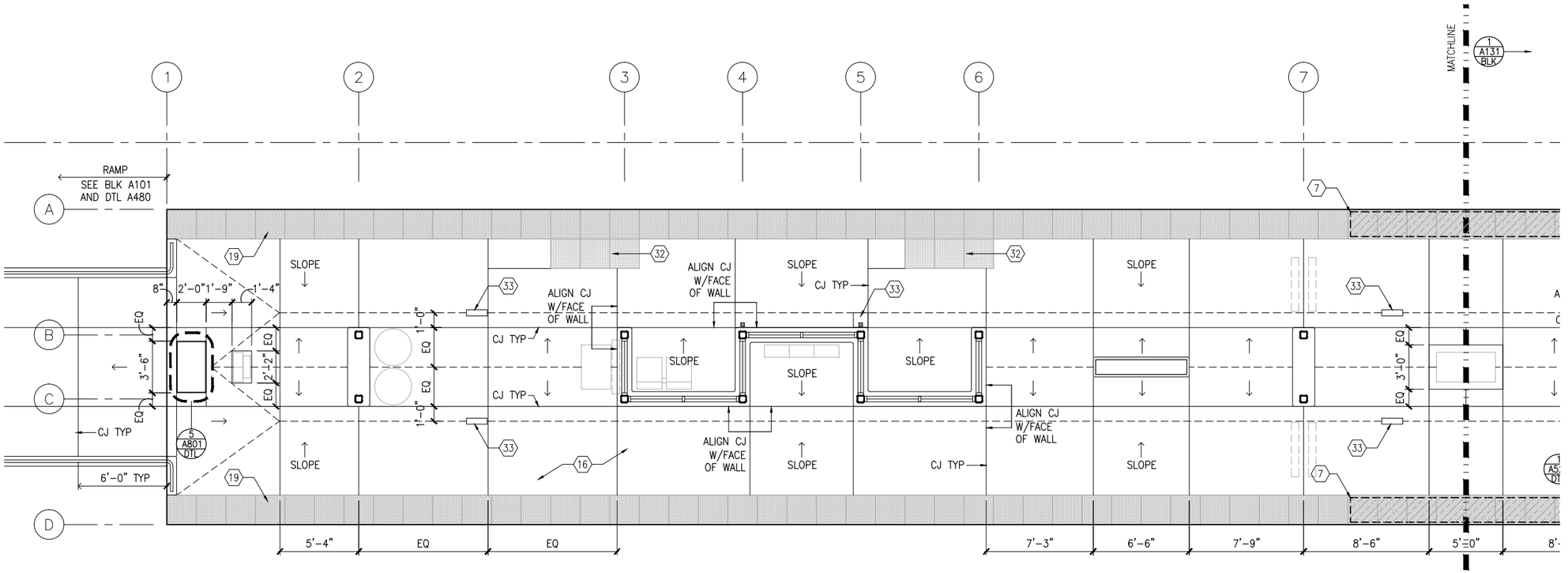
GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

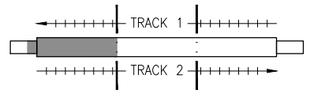
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33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL



1 WEST PARTIAL PAVEMENT PLAN
SCALE: 1/8"=1'–0"

0 2 4 8
SCALE



KEYPLAN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BLAKE STATION
WEST PARTIAL PAVEMENT PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-BLK-ARC-PLN-130

SHEET 84 OF 510

Jan. 18 2016 10:46 am V:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-PLN-130.dwg By: MurphySP

PAVEMENT NOTES

SLOPE TRANSITIONS ARE SHOWN FOR REFERENCE. BLEND/EASE TRANSITIONS TO DRAIN AND SO THAT NO ABRUPT CHANGE IN SLOPE IS VISIBLE ON PLATFORM SURFACE

LEGEND

- – – – – – SLOPES
- ——— CUT JOINTS

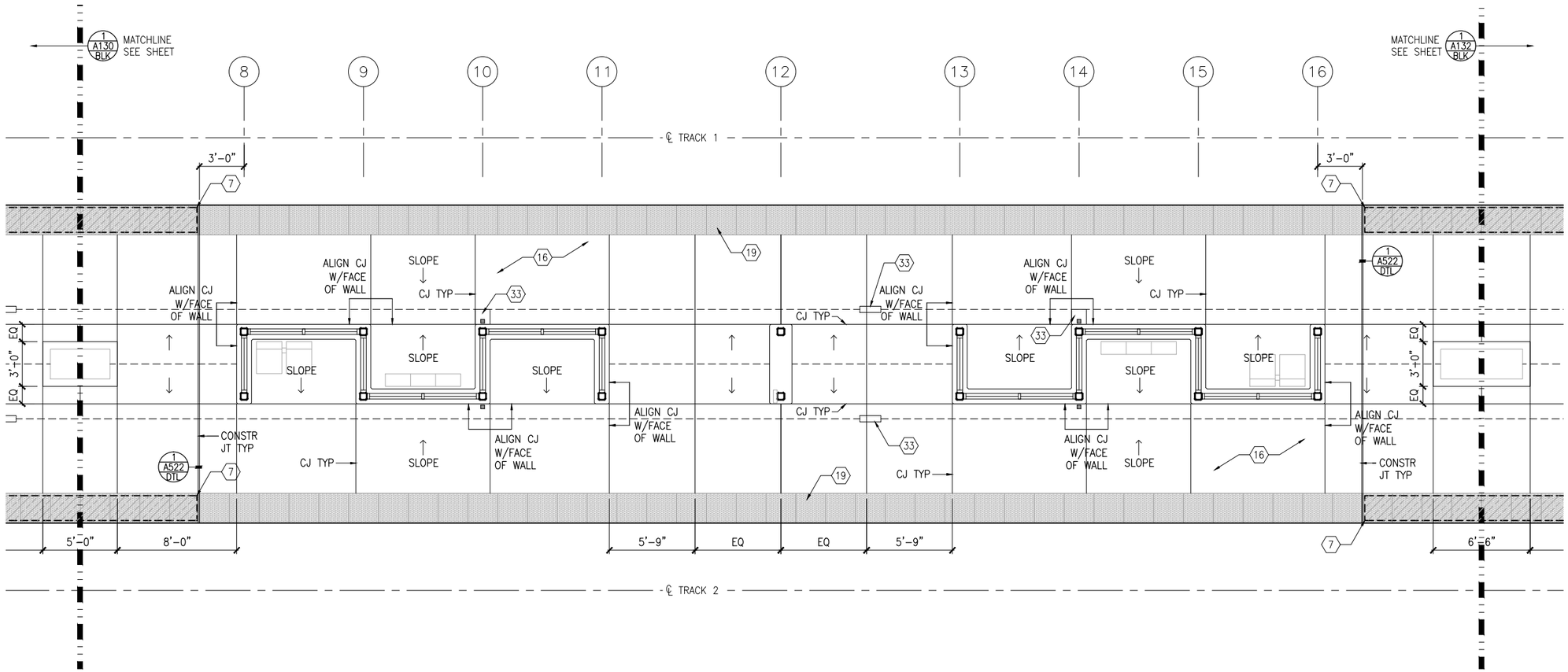
GENERAL SHEET NOTES

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2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

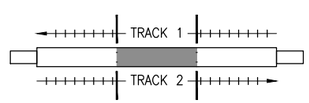
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34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL



1 MIDDLE PARTIAL PAVEMENT PLAN
SCALE: 1/8"=1'–0"

0 2 4 8
SCALE



KEYPLAN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BLAKE STATION
MIDDLE PARTIAL PAVEMENT PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-BLK-ARC-PLN-131

SHEET 85 OF 510

Jan, 18 2016 10:46 am V:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-PLN-131.dwg By: MurphySP

PAVEMENT NOTES

SLOPE TRANSITIONS ARE SHOWN FOR REFERENCE. BLEND/EASE TRANSITIONS TO DRAIN AND SO THAT NO ABRUPT CHANGE IN SLOPE IS VISIBLE ON PLATFORM SURFACE

LEGEND

- – – – – – – SLOPES
- ——————— CUT JOINTS

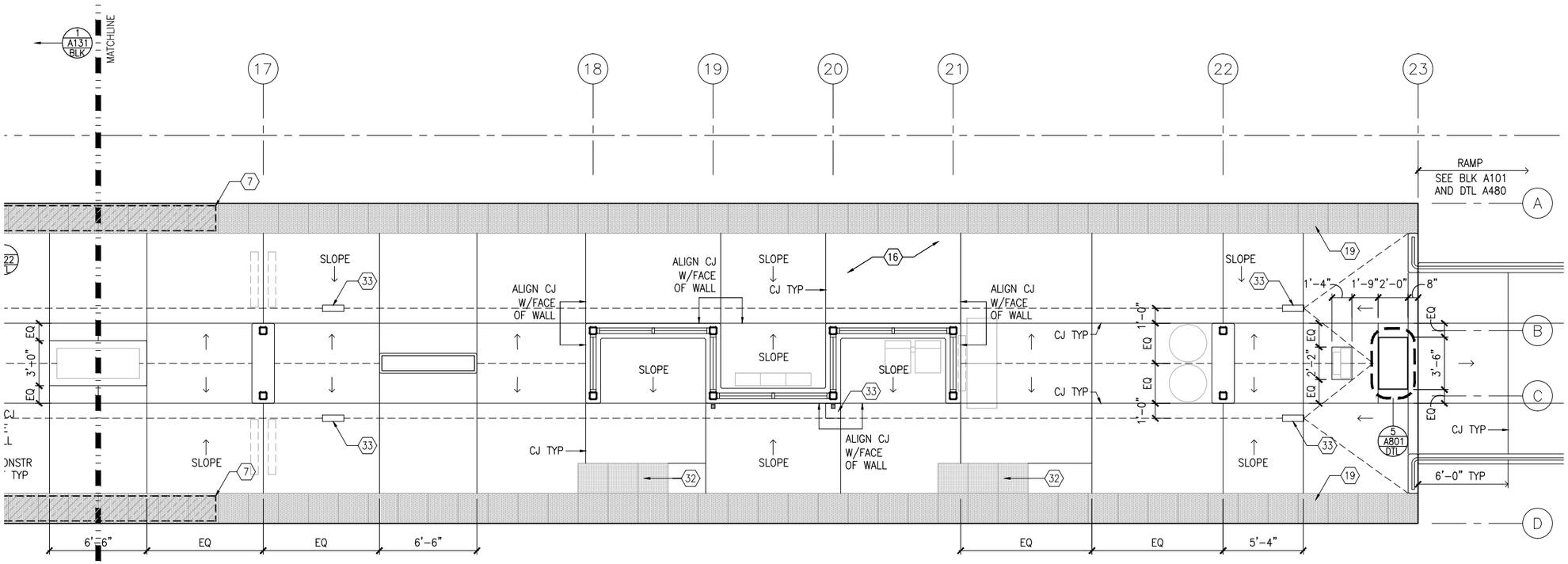
GENERAL SHEET NOTES

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2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

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32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL



1 EAST PARTIAL PAVEMENT PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



KEYPLAN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

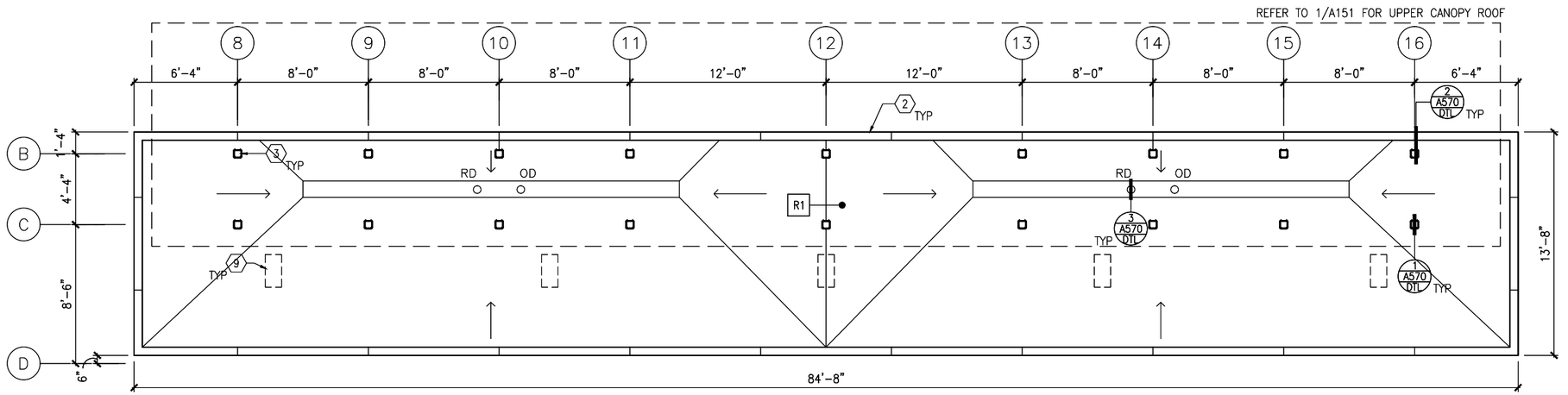
CIVIL - VOLUME 11C
BLAKE STATION
EAST PARTIAL PAVEMENT PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-BLK-ARC-PLN-132

SHEET 86 OF 510

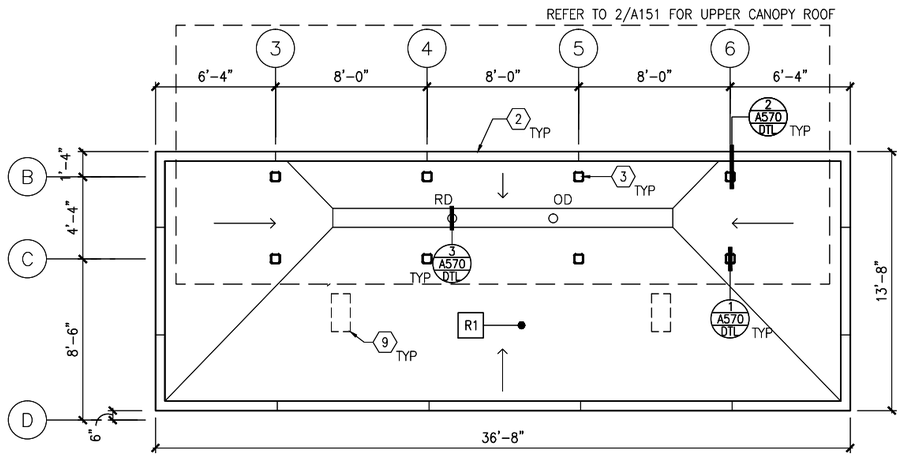
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1 ALTERNATE ROOF PLAN – MIDDLE LOWER CANOPY

SCALE: 1/8"=1'-0"

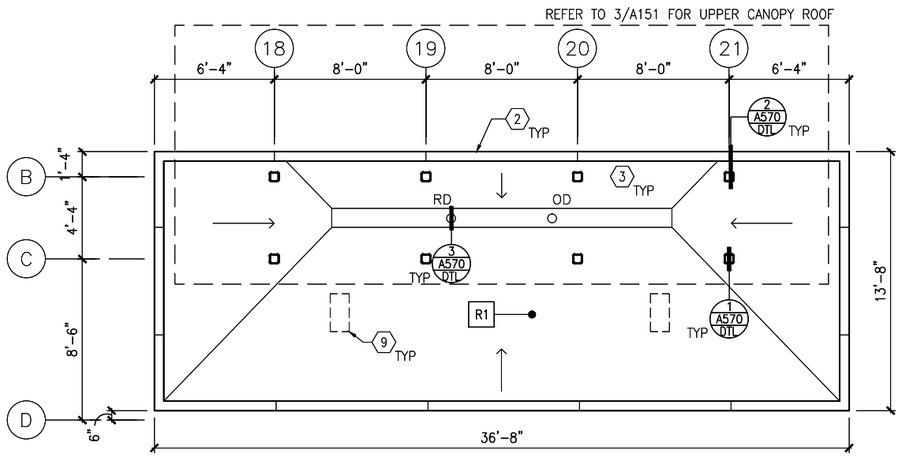
0 2 4 8
SCALE



2 ALTERNATE ROOF PLAN – WEST LOWER CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



3 ALTERNATE ROOF PLAN – EAST LOWER CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. ROOF SLOPE IS 1/4" PER FT UNO
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ALUMINUM STOREFRONT AND TRANSLUCENT GLAZING SYSTEM
2. ALUMINUM COMPOSITE PANEL COPING
3. STEEL COLUMN – SEE STRUCTURAL
4. STEEL BEAM ABOVE – SEE STRUCTURAL
5. PREFINISHED METAL SCUPPER
6. PREFINISHED METAL GUTTER, SLOPE TO DOWNSPOUTS
7. ROOF BASE FLASHING
8. SUMP
9. CONCRETE SPLASH BLOCK
10. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
11. ROOF EXPANSION JOINT
12. BUILDING EXPANSION JOINT
13. VENT THROUGH ROOF – SEE PLUMB
14. INTEGRAL ROOF GUTTER – SLOPE TO DOWNSPOUTS BELOW
15. MECHANICAL EQUIP – SEE MECH

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- STEEL COLUMN
- OVERHEAD SUPPORT
- RD OD — ROOF DRAIN AND OVERFLOW ROOF DRAIN
- R1 — ROOF ASSEMBLY TYPE 1 BALLASTED EPDM
- R2 — ROOF ASSEMBLY TYPE 2 PRECAST PAVER OVER EPDM
- R3 — ROOF ASSEMBLY TYPE 3 SAME AS TYPE 2 WITH R_ INSULATION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

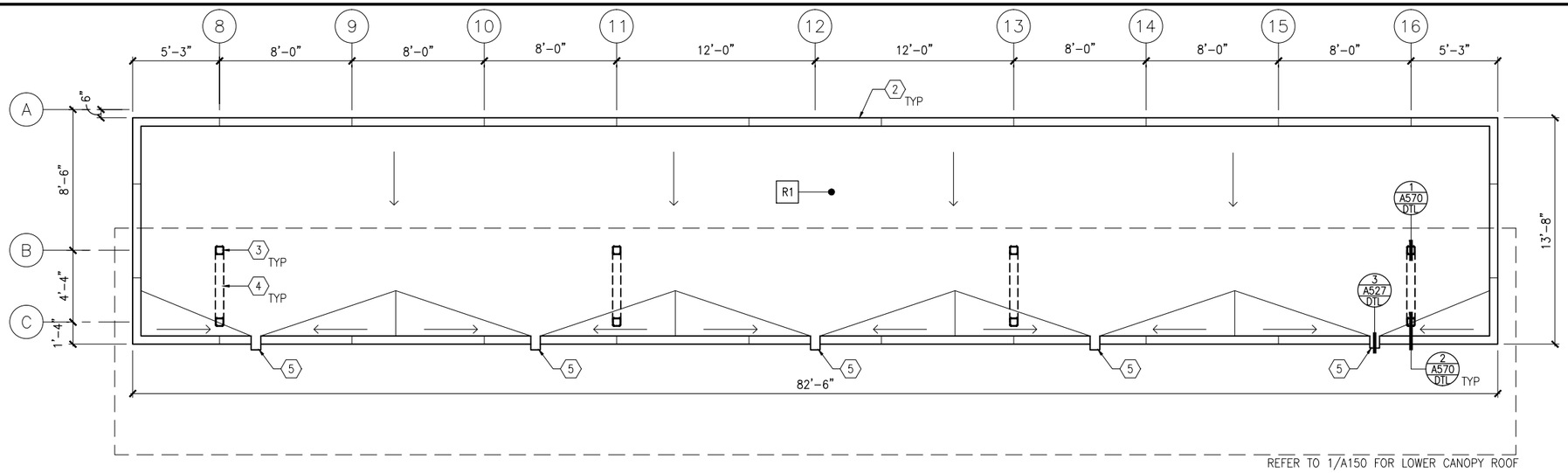
CIVIL - VOLUME 11C
BLAKE STATION
LOWER ROOF PLANS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-BLK-ARC-PLN-150

SHEET 87 OF 510

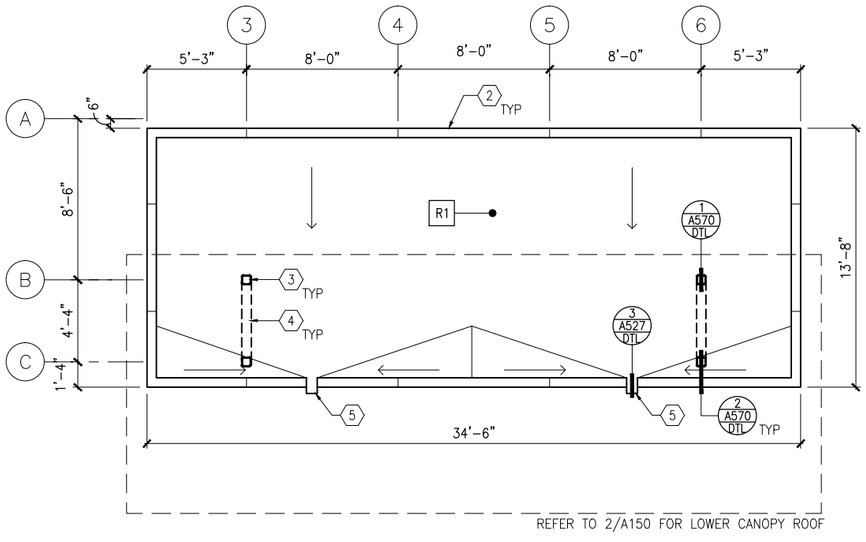
Jan, 18 2016 10:47 am V:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-PLN-150.dwg By: MurphySP



1 ROOF PLAN – MIDDLE UPPER CANOPY

SCALE: 1/8"=1'-0"

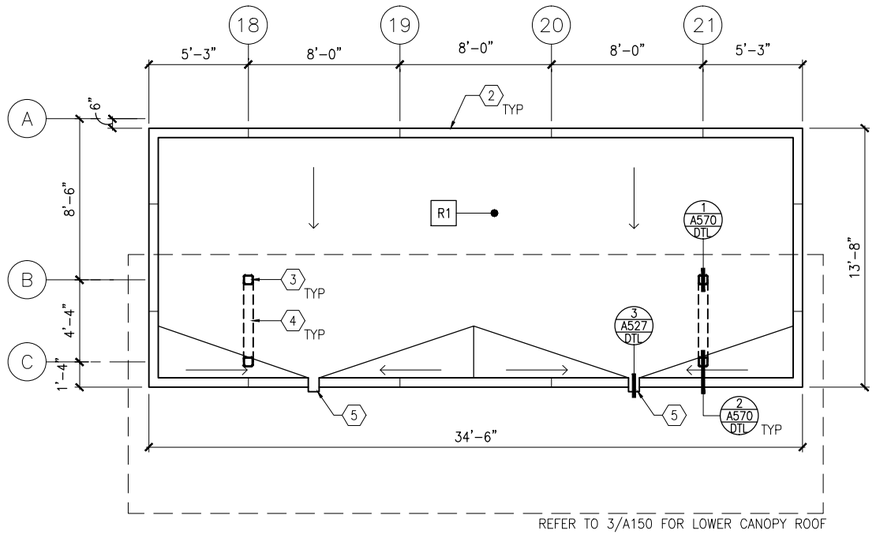
0 2 4 8
SCALE



2 ROOF PLAN – WEST UPPER CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



3 ROOF PLAN – EAST UPPER CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. ROOF SLOPE IS 1/4" PER FT UNO
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

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6. PREFINISHED METAL GUTTER, SLOPE TO DOWNSPOUTS
7. ROOF BASE FLASHING
8. SUMP
9. CONCRETE SPLASH BLOCK
10. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
11. ROOF EXPANSION JOINT
12. BUILDING EXPANSION JOINT
13. VENT THROUGH ROOF – SEE PLUMB
14. INTEGRAL ROOF GUTTER – SLOPE TO DOWNSPOUTS BELOW
15. MECHANICAL EQUIP – SEE MECH

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

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- OVERHEAD SUPPORT
- RD OD — ROOF DRAIN AND OVERFLOW ROOF DRAIN
- R1 — ROOF ASSEMBLY TYPE 1 BALLASTED EPDM
- R2 — ROOF ASSEMBLY TYPE 2 PRECAST PAVER OVER EPDM
- R3 — ROOF ASSEMBLY TYPE 3 SAME AS TYPE 2 WITH R_ INSULATION

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

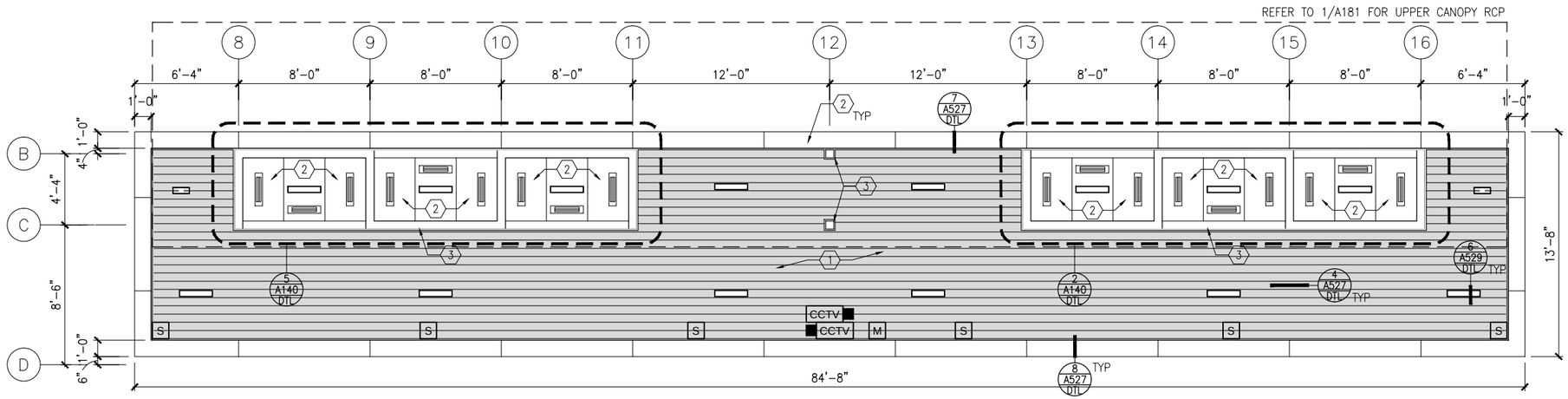
CIVIL - VOLUME 11C
BLAKE STATION
UPPER ROOF PLANS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-BLK-ARC-PLN-151

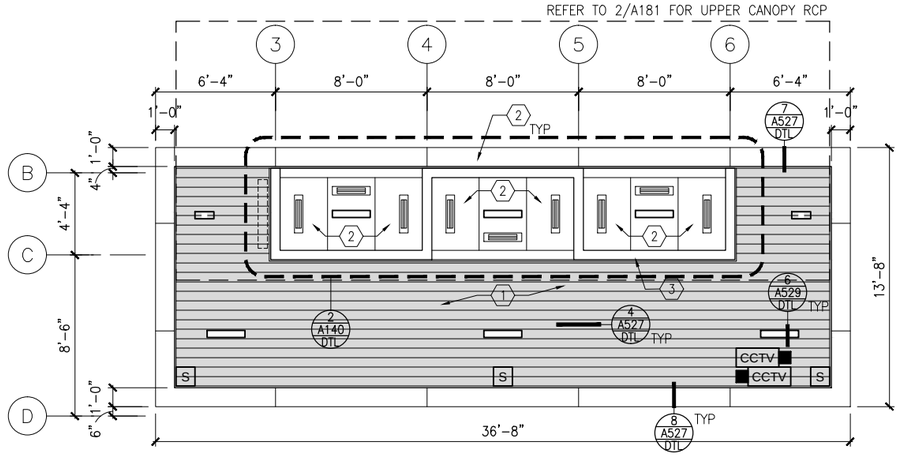
SHEET 88 OF 510

Jan, 18 2016 10:47 am V:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-PLN-151.dwg By: MurphySP



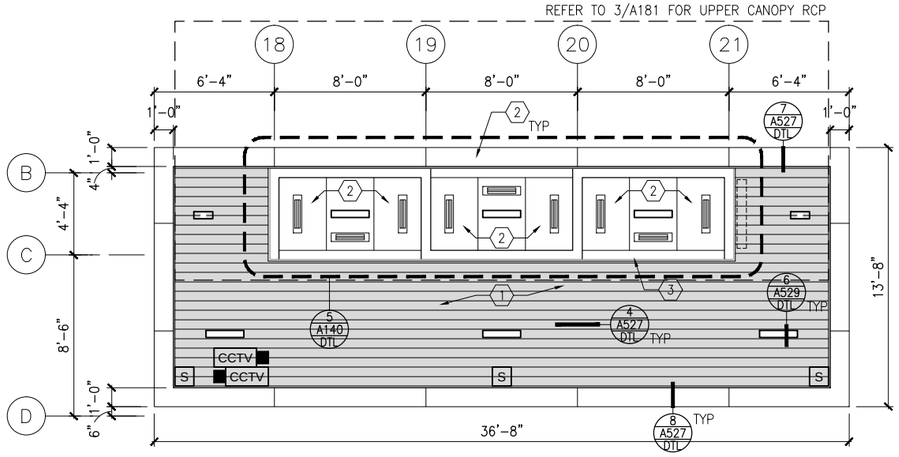
1 REFLECTED CEILING PLAN – MIDDLE LOWER CANOPY
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 REFLECTED CEILING PLAN – WEST LOWER CANOPY
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



3 REFLECTED CEILING PLAN – EAST LOWER CANOPY
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

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3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. EXTERIOR LINEAR METAL CEILING SOFFIT IN SHADED AREA
2. ALUMINUM COMPOSITE PANEL SOFFIT
3. PROVIDE MATCHING CEILING TRIM AROUND STEEL COLUMN AND/OR SHELTERS
4. PC CONC WALKWAY – SEE STRUCT
5. PC CONC STAIR – SEE STRUCT
6. EXPOSED STRUCTURE – SEE STRUCTURAL
7. ACOUSTIC CEILING
8. ACCESS PANELS FOR EQUIPMENT ACCESS
9. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- S SPEAKER
- M MICROPHONE
- C SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN
- LAY-IN ACOUSTIC CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING
- LED LINEAR LIGHT FIXTURE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

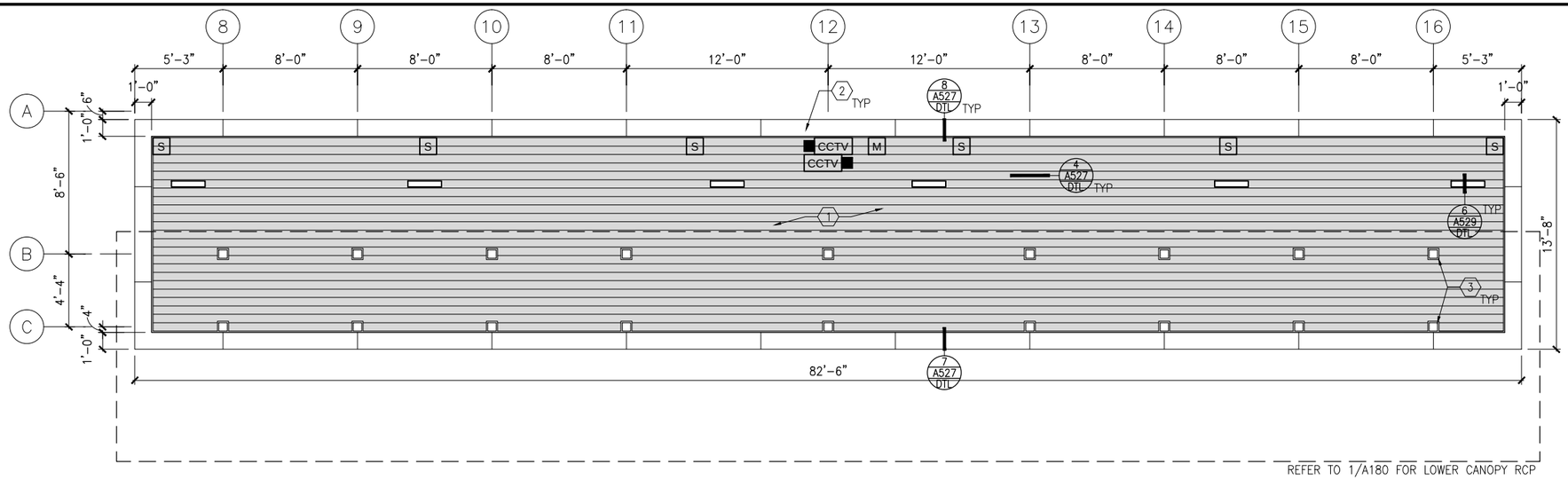
CIVIL - VOLUME 11C
BLAKE STATION
REFLECTED CEILING PLANS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-BLK-ARC-RCP-180

SHEET 89 OF 510

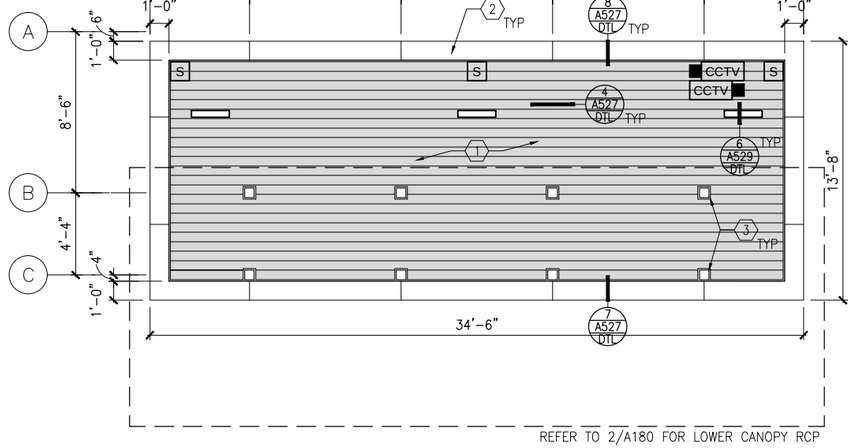
Jan, 18 2016 10:48 am V:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-RCP-180.dwg By: MurphySP



1 REFLECTED CEILING PLAN – MIDDLE UPPER CANOPY

SCALE: 1/8"=1'-0"

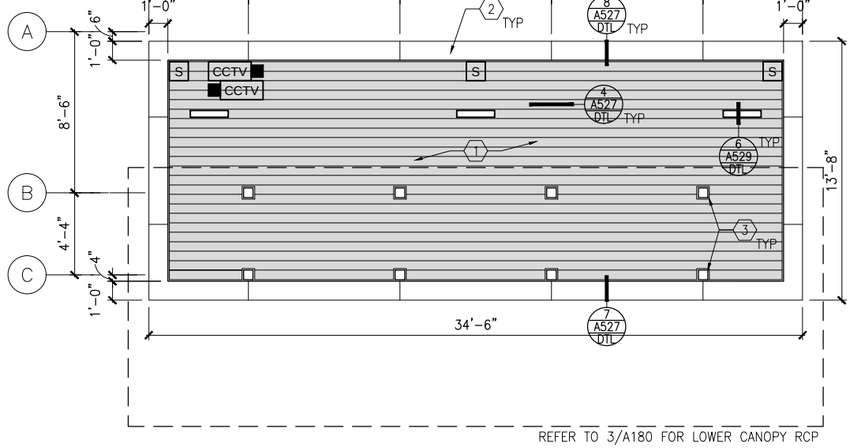
0 2 4 8
SCALE



2 REFLECTED CEILING PLAN – WEST UPPER CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



3 REFLECTED CEILING PLAN – EAST UPPER CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. EXTERIOR LINEAR METAL CEILING SOFFIT IN SHADED AREA
2. ALUMINUM COMPOSITE PANEL SOFFIT
3. PROVIDE MATCHING CEILING TRIM AROUND STEEL COLUMN AND/OR SHELTERS
4. PC CONC WALKWAY – SEE STRUCT
5. PC CONC STAIR – SEE STRUCT
6. EXPOSED STRUCTURE – SEE STRUCTURAL
7. ACOUSTIC CEILING
8. ACCESS PANELS FOR EQUIPMENT ACCESS
9. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- S SPEAKER
- M MICROPHONE
- C SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN
- LAY-IN ACOUSTIC CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING
- LED LINEAR LIGHT FIXTURE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

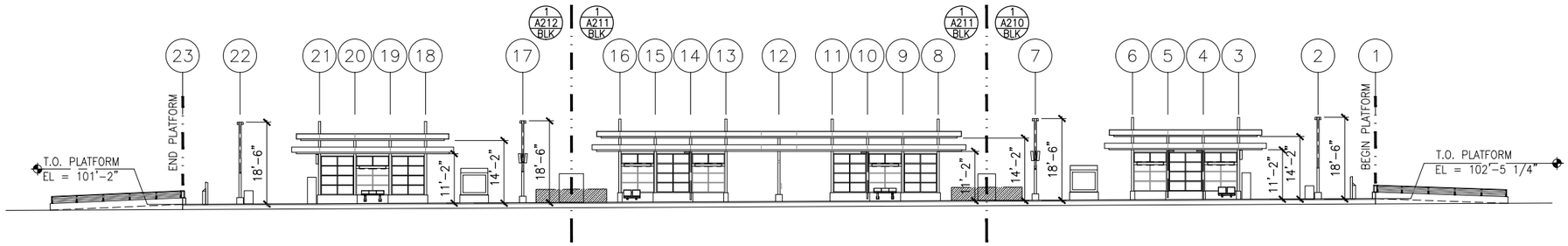
CIVIL - VOLUME 11C
BLAKE STATION
REFLECTED CEILING PLANS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-BLK-ARC-RCP-181

SHEET 90 OF 510

Jan, 18 2016 10:49 am v:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-RCP-181.dwg By: MurphySP



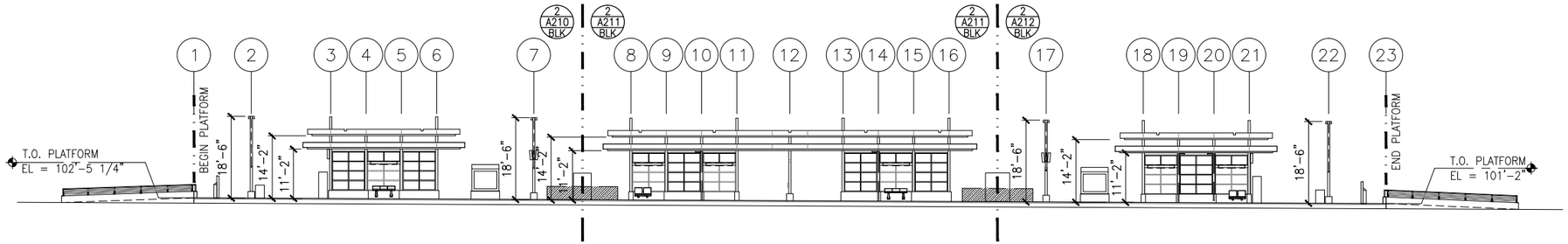
1 TRACK 1 ELEVATION

SCALE: 1"=30'

0 7.5 15 30

SCALE

(-0.47% SLOPE)*



2 TRACK 2 ELEVATION

SCALE: 1"=30'

0 7.5 15 30

SCALE

(-0.47% SLOPE)*

*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

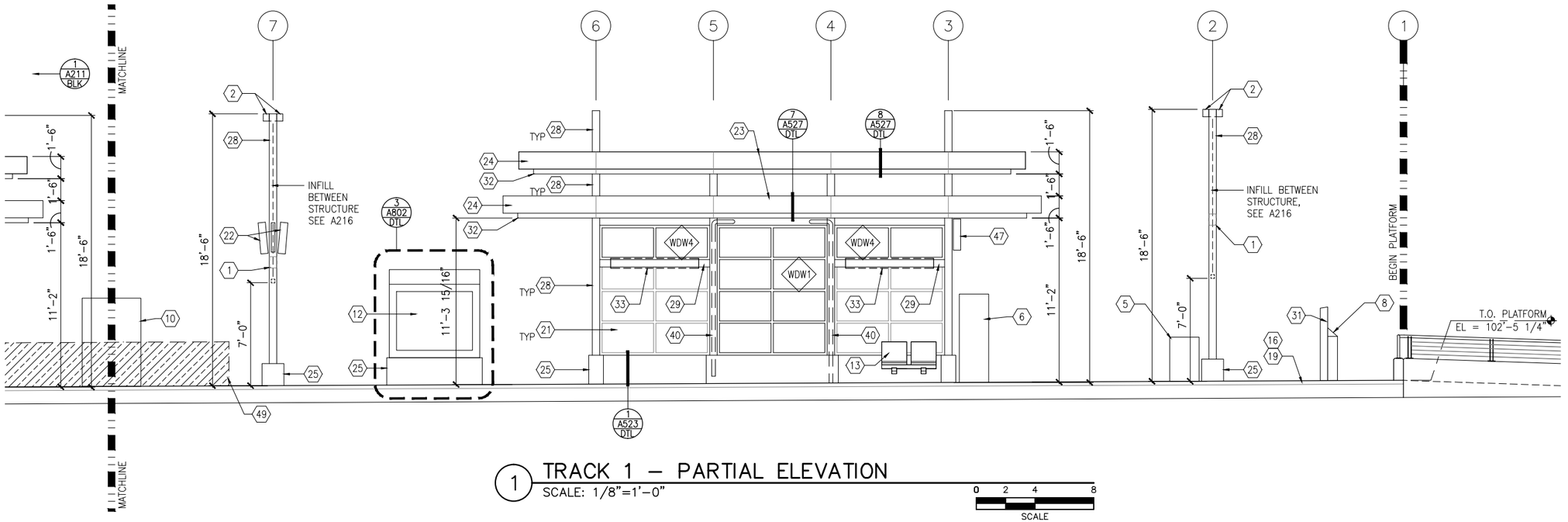
CIVIL - VOLUME 11C
BLAKE STATION
ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-BLK-ARC-ELV-200

SHEET 91 OF 510

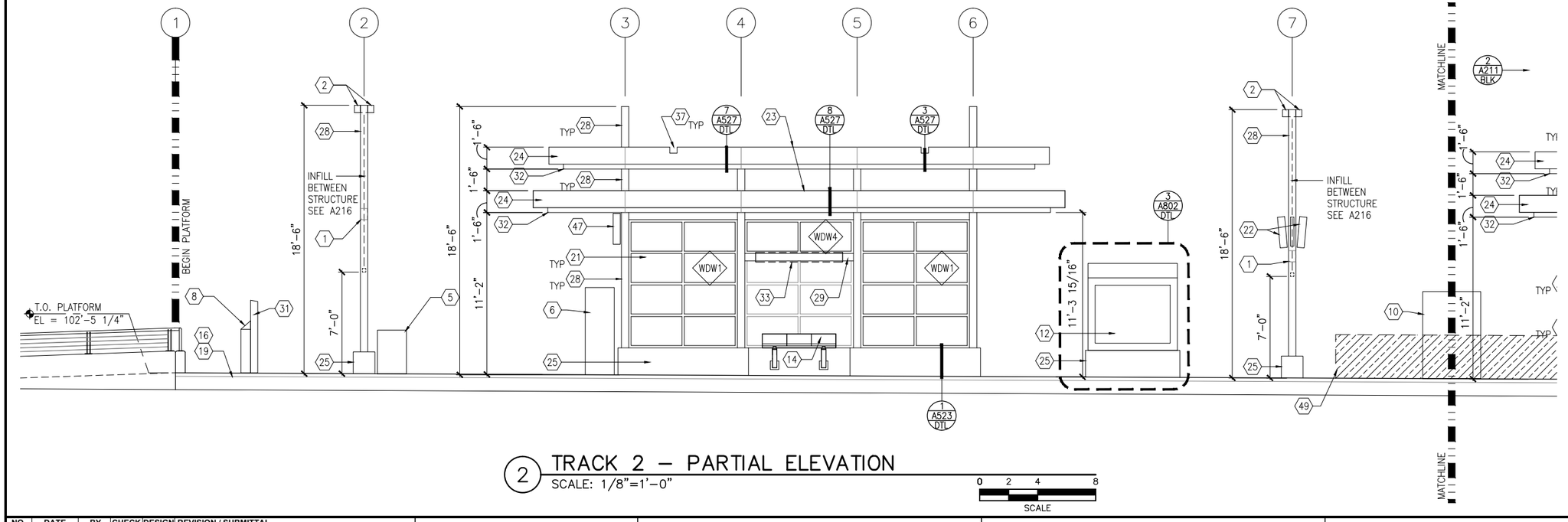
Jan, 18 2016 10:49 am V:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-ELV-200.DWG By: MurphySP



1 TRACK 1 – PARTIAL ELEVATION

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



2 TRACK 2 – PARTIAL ELEVATION

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. LIGHTNING ROD – SEE ELECTRICAL
35. PC CONC WALL PANEL
36. CAST IRON DOWNSPOUT – PAINT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
41. DOWNSPOUT NOZZLE – SEE PLUMBING
42. SECONDARY STEEL FRAMING – SEE STRUCTURAL
43. DOOR – SEE DOOR SCHEDULE
44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

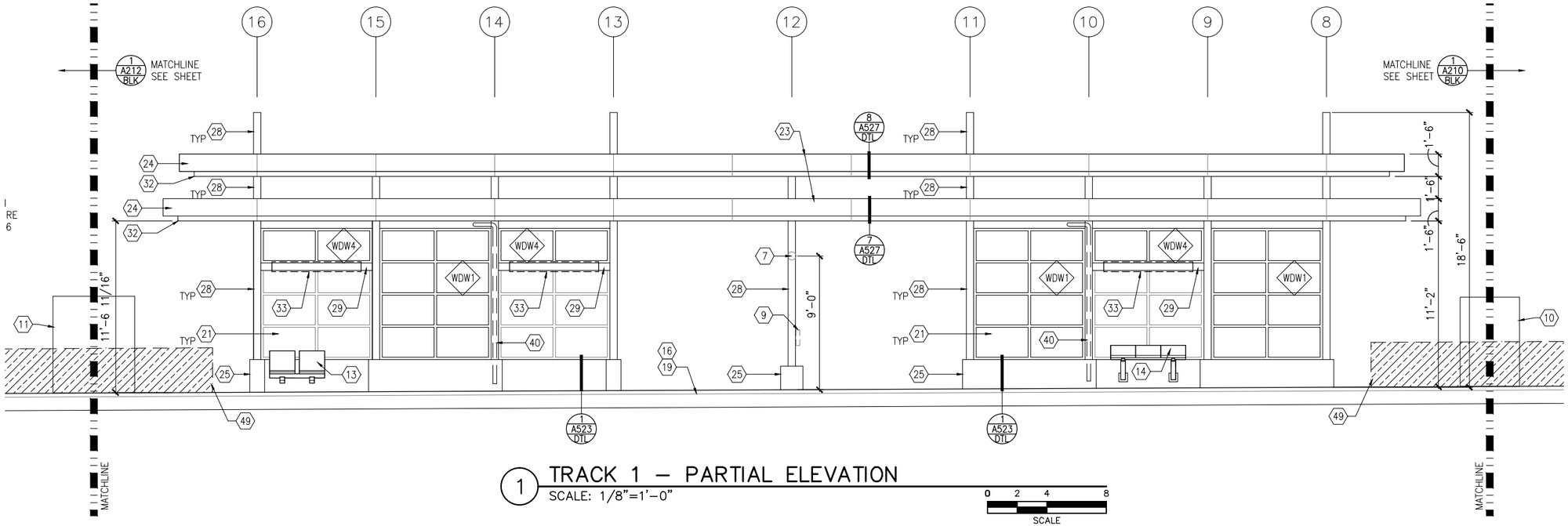
CIVIL - VOLUME 11C
BLAKE STATION
WEST PARTIAL ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-BLK-ARC-ELV-210

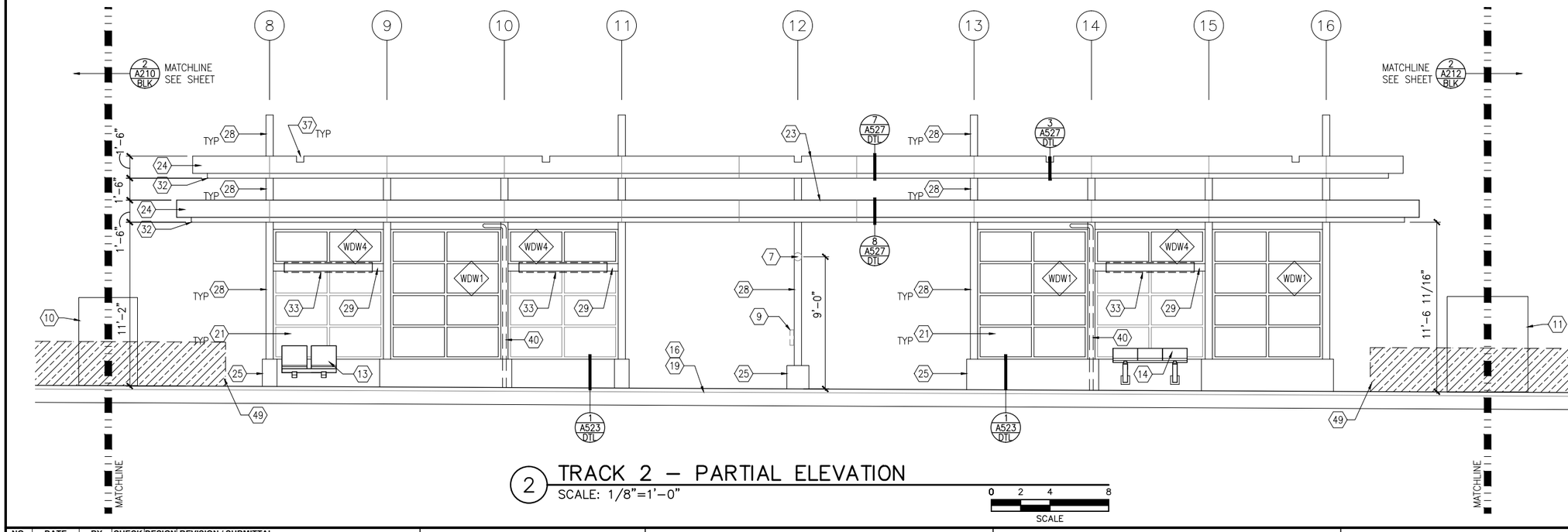
SHEET 92 OF 510

Jan, 18 2016 10:50 am V:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-ELV-210.dwg By: MurphySP



1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. LIGHTNING ROD – SEE ELECTRICAL
35. PC CONC WALL PANEL
36. CAST IRON DOWNSPOUT – PAINT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
41. DOWNSPOUT NOZZLE – SEE PLUMBING
42. SECONDARY STEEL FRAMING – SEE STRUCTURAL
43. DOOR – SEE DOOR SCHEDULE
44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

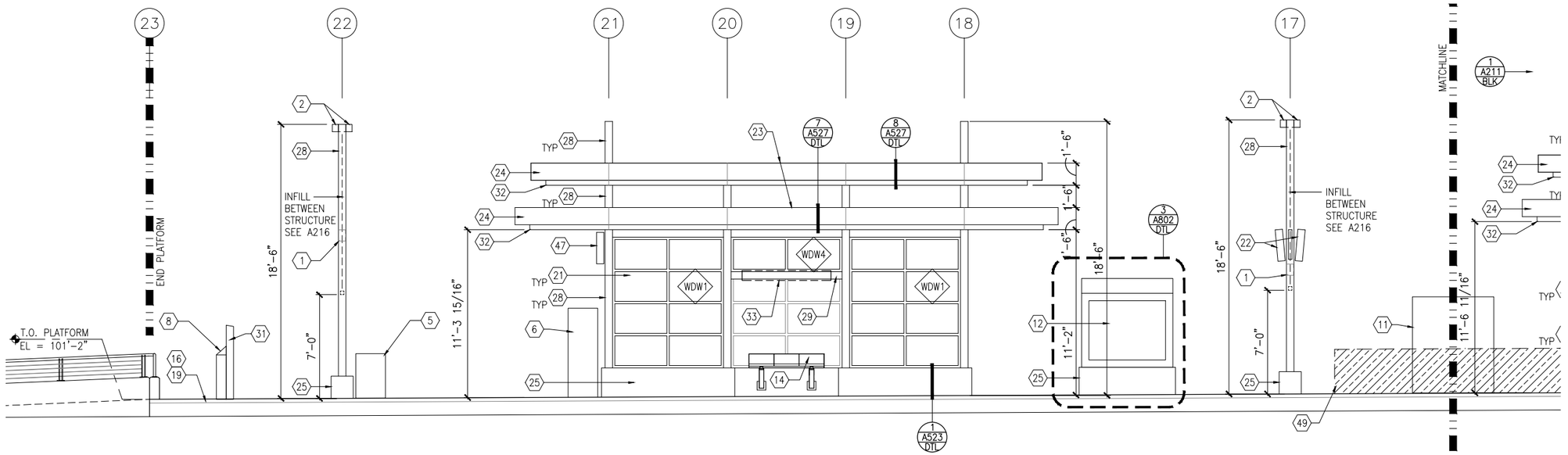
CIVIL - VOLUME 11C
BLAKE STATION
MIDDLE PARTIAL ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-BLK-ARC-ELV-211

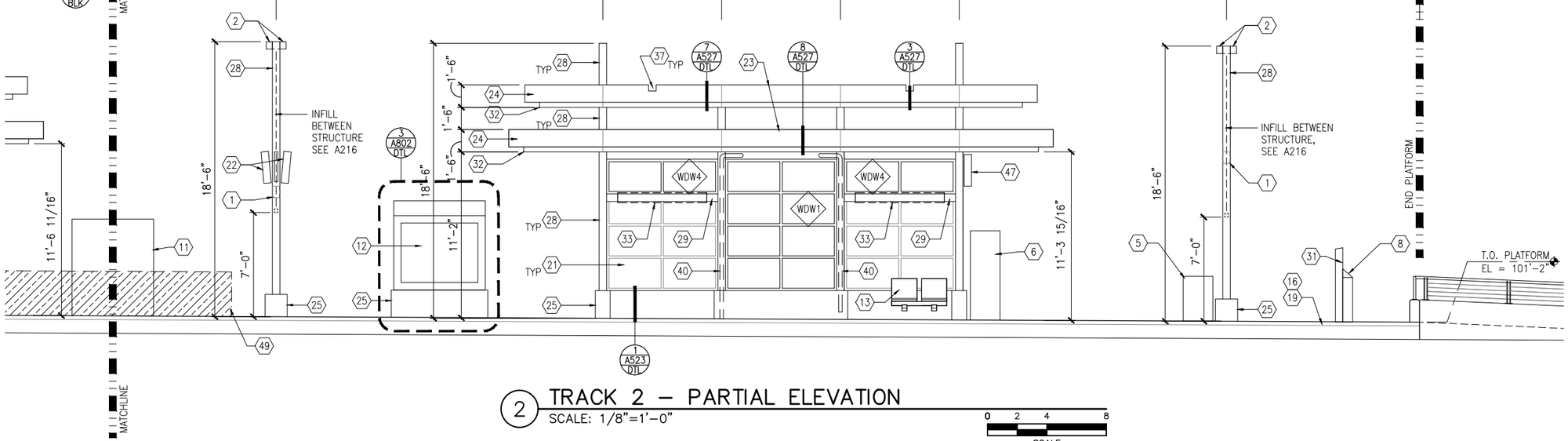
SHEET 93 OF 510

Jan, 18 2016 10:50 am v:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-ELV-211.dwg By: MurphySP



1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
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39. LOUVER WITH MOTORIZED DAMPER
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43. DOOR – SEE DOOR SCHEDULE
44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

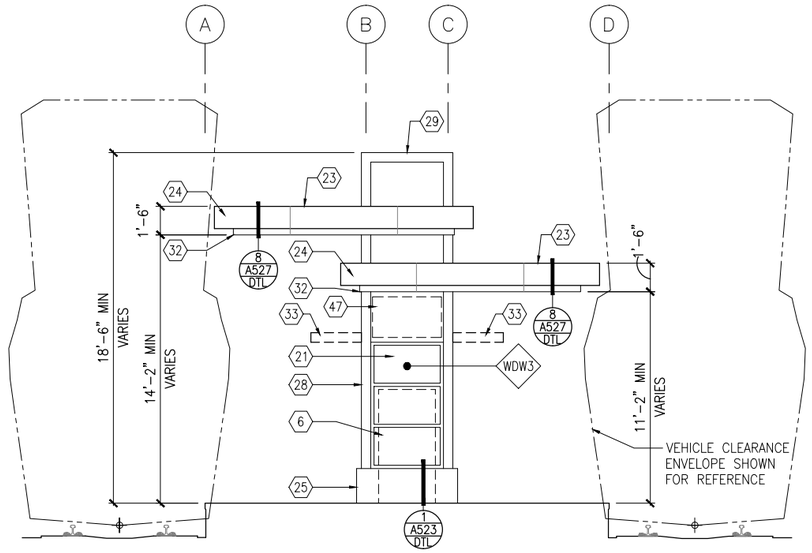
CIVIL - VOLUME 11C
BLAKE STATION
EAST PARTIAL ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-BLK-ARC-ELV-212

SHEET 94 OF 510

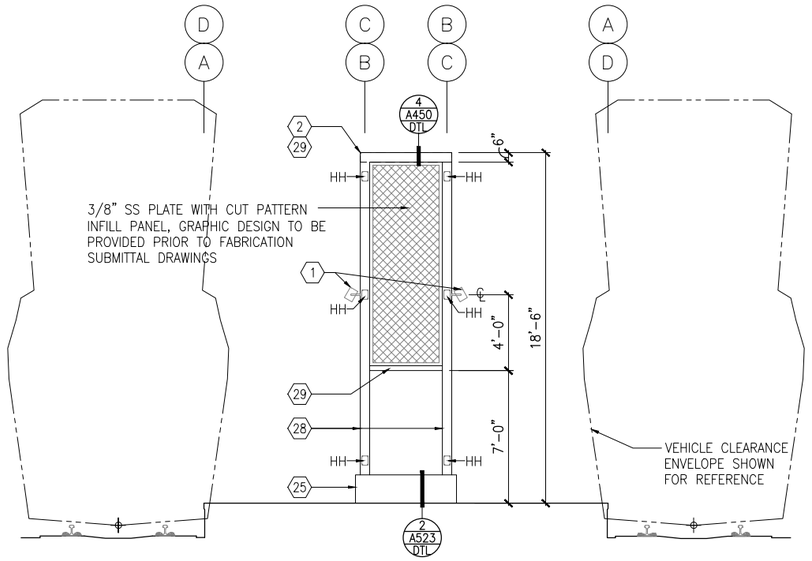
Jan, 18 2016 10:51 am V:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-ELV-212.dwg By: MurphySP



1 SIDE ELEVATION

SCALE: 1/8"=1'-0"

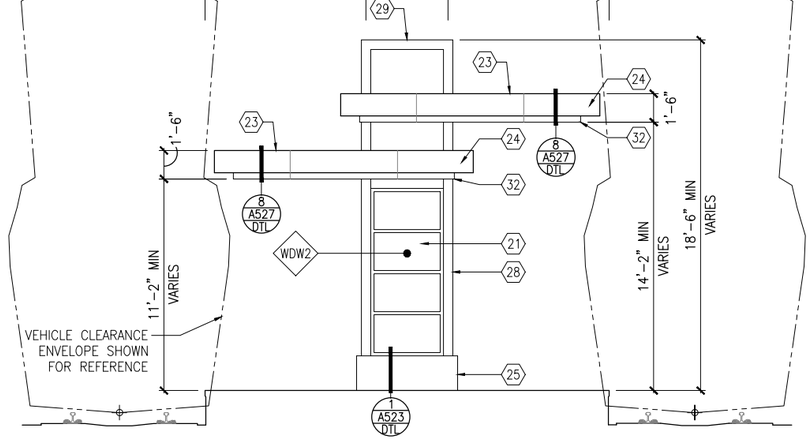
0 2 4 8
SCALE



2 SIDE ELEVATION

SCALE: 1/8"=1'-0"

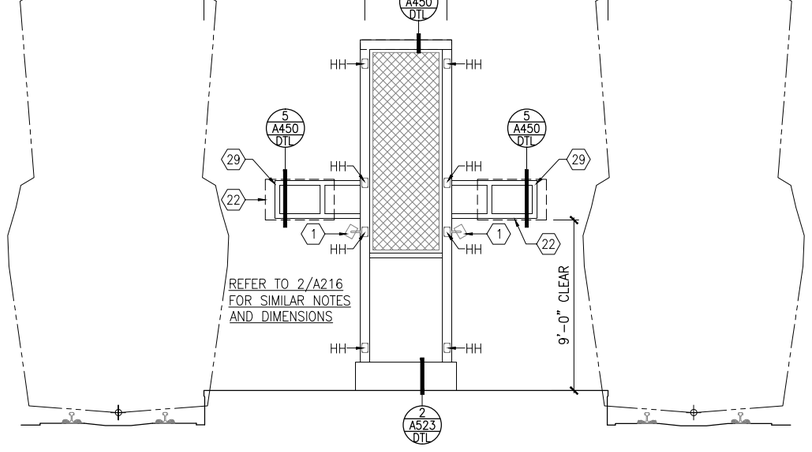
0 2 4 8
SCALE



3 SIDE ELEVATION

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



4 SIDE ELEVATION

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
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22. VARIABLE MESSAGE SIGN – SEE ELEC
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24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
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29. STEEL BEAM – SEE STRUCTURAL
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38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
41. DOWNSPOUT NOZZLE – SEE PLUMBING
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43. DOOR – SEE DOOR SCHEDULE
44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

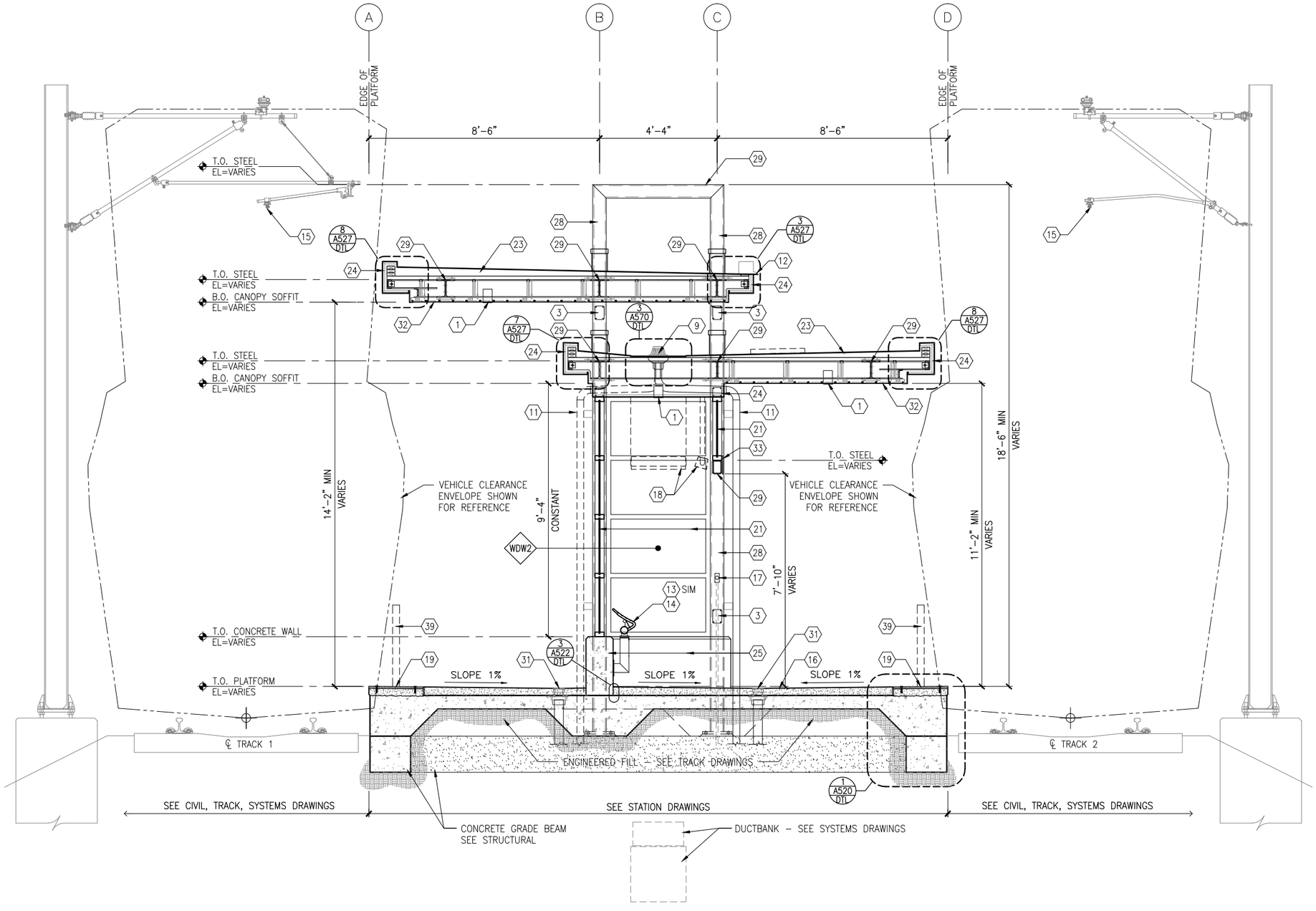
CIVIL - VOLUME 11C
BLAKE STATION
SIDE ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-BLK-ARC-ELV-216

SHEET 95 OF 510

Jan, 18 2016 10:51 am V:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-ELV-216.dwg By: MurphySP



1 TYPICAL PLATFORM SECTION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA – SEE ELEC
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. EMERGENCY TELEPHONE – SEE ELEC
9. ROOF DRAIN – SEE PLUMBING
10. PRE-FINISHED METAL GUTTER
11. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYSTEMS (NIC)
16. CONCRETE PLATFORM
17. HEATER CONTROL – SEE ELEC
18. INFRARED HEATER – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. AREA DRAIN – SEE PLUMBING
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. PC CONC WALKWAY – SEE STRUCT
35. PC CONC STAIR – SEE STRUCT
36. PC CONC WALL PANEL
37. SECONDARY STEEL FRAMING – SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R– ROOF TYPE – SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

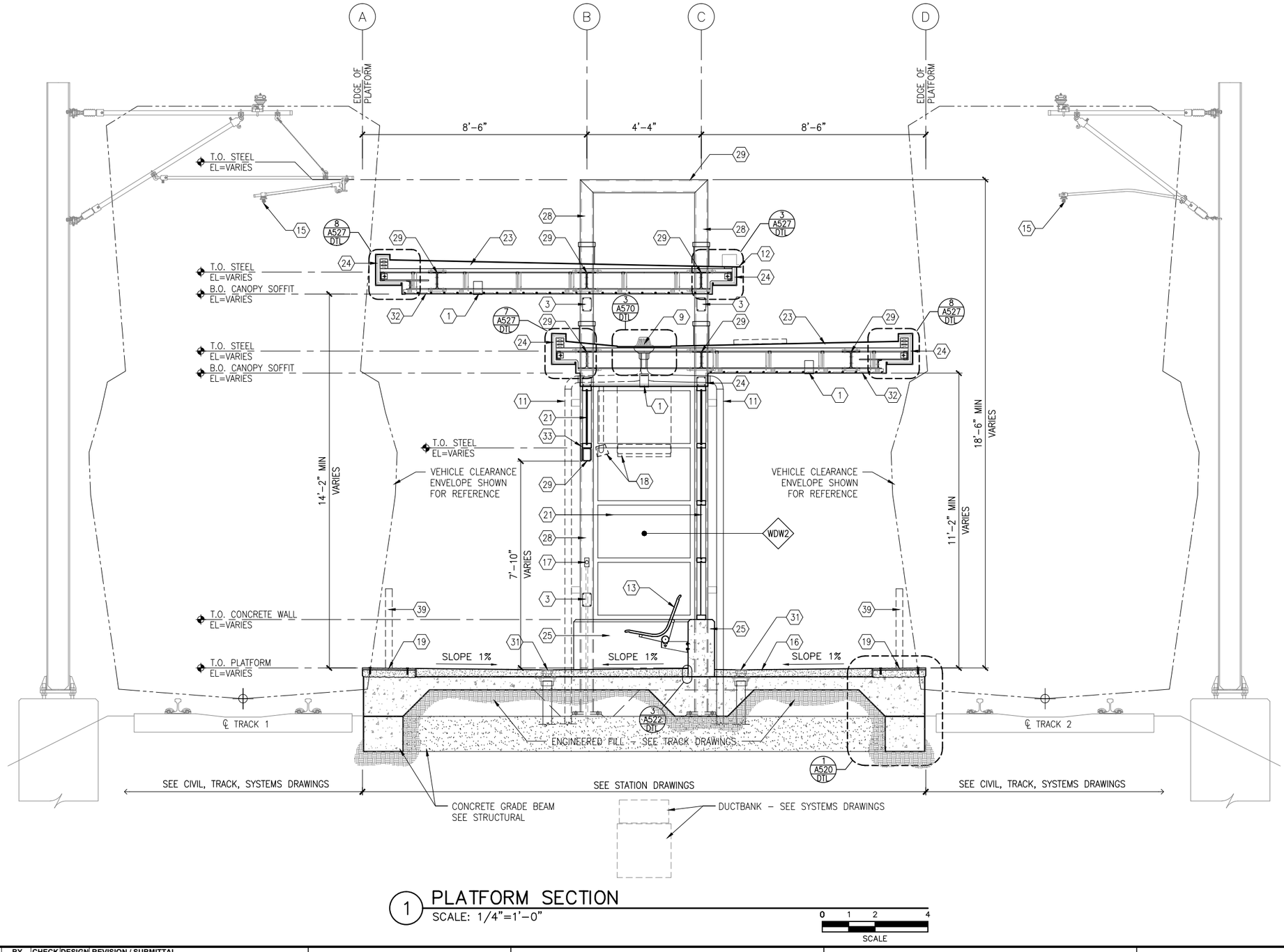
CIVIL - VOLUME 11C
BLAKE STATION
TYPICAL PLATFORM SECTION

SHEET 96 OF 510

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-BLK-ARC-SCT-300

Jan. 18 2016 10:52 am v:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-SCT-300.dwg By: MurphySP



1 PLATFORM SECTION

SCALE: 1/4"=1'-0"

0 1 2 4

SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA – SEE ELEC
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. EMERGENCY TELEPHONE – SEE ELEC
9. ROOF DRAIN – SEE PLUMBING
10. PRE-FINISHED METAL GUTTER
11. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYSTEMS (NIC)
16. CONCRETE PLATFORM
17. HEATER CONTROL – SEE ELEC
18. INFRARED HEATER – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. AREA DRAIN – SEE PLUMBING
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. PC CONC WALKWAY – SEE STRUCT
35. PC CONC STAIR – SEE STRUCT
36. PC CONC WALL PANEL
37. SECONDARY STEEL FRAMING – SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R- ROOF TYPE – SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

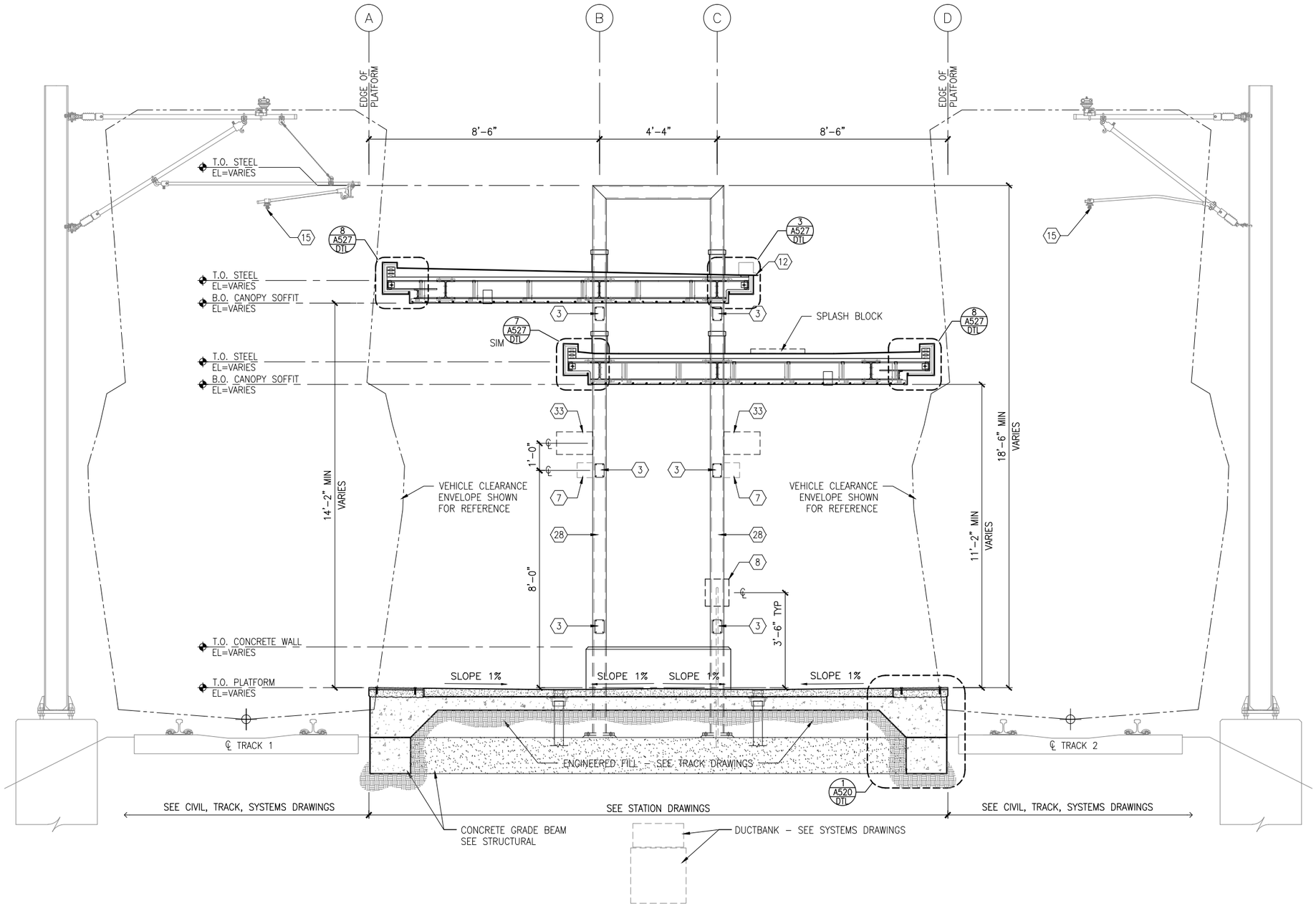
CIVIL - VOLUME 11C
BLAKE STATION
PLATFORM SECTION

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-BLK-ARC-SCT-301

SHEET 97 OF 510

Jan, 18 2016 10:53 am v:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-SCT-301.dwg By: MurphySP



1 PLATFORM SECTION

SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS
4. SEE A300 & A301 FOR SIM NOTES, DIMS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA – SEE ELEC
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. EMERGENCY TELEPHONE – SEE ELEC
9. ROOF DRAIN – SEE PLUMBING
10. PRE-FINISHED METAL GUTTER
11. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYSTEMS (NIC)
16. CONCRETE PLATFORM
17. HEATER CONTROL – SEE ELEC
18. INFRARED HEATER – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. AREA DRAIN – SEE PLUMBING
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. PC CONC WALKWAY – SEE STRUCT
35. PC CONC STAIR – SEE STRUCT
36. PC CONC WALL PANEL
37. SECONDARY STEEL FRAMING – SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R- ROOF TYPE – SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

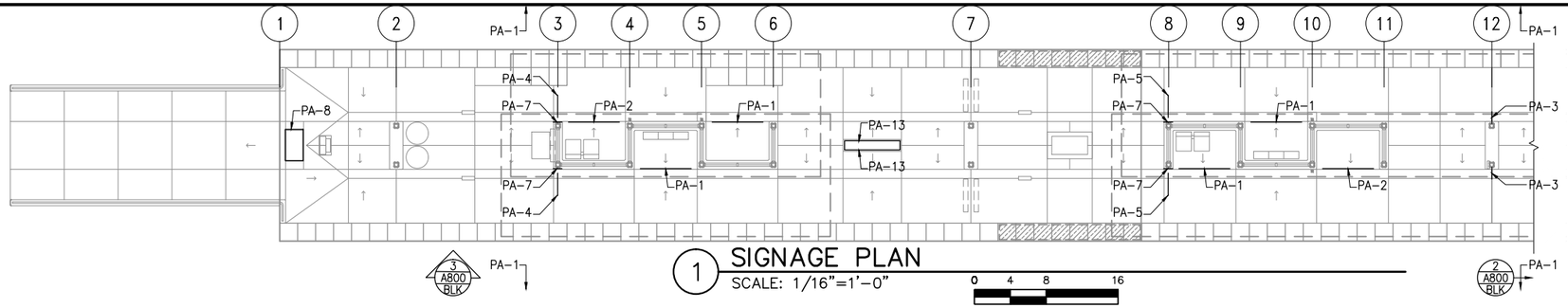
CIVIL - VOLUME 11C
BLAKE STATION
PLATFORM SECTION

SHEET 98 OF 510

DISCIPLINE: ARCHITECTURE

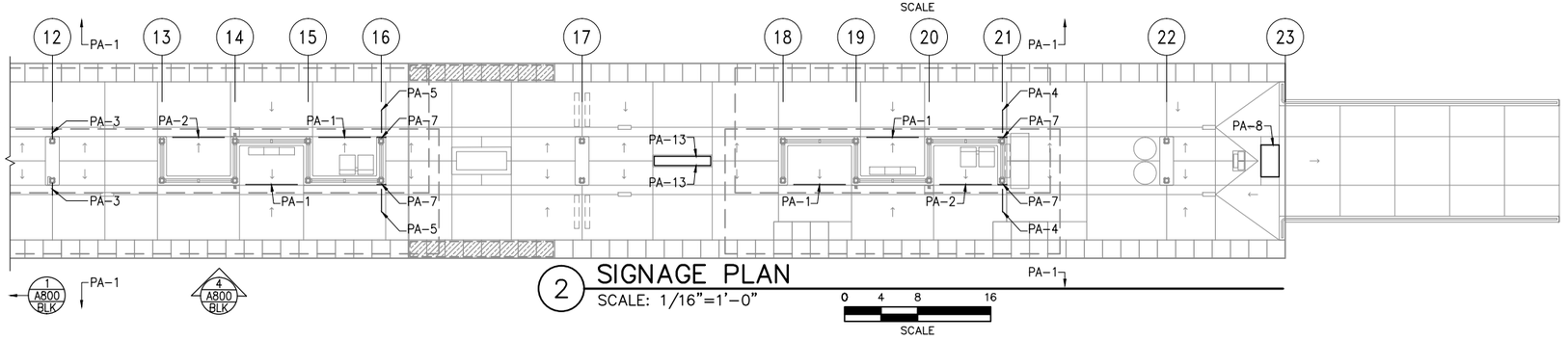
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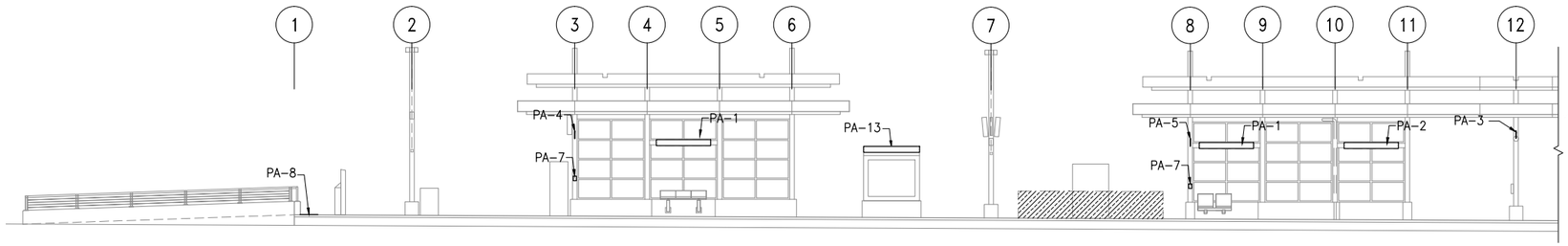
1 SIGNAGE PLAN
SCALE: 1/16"=1'-0"

SCALE 0 4 8 16



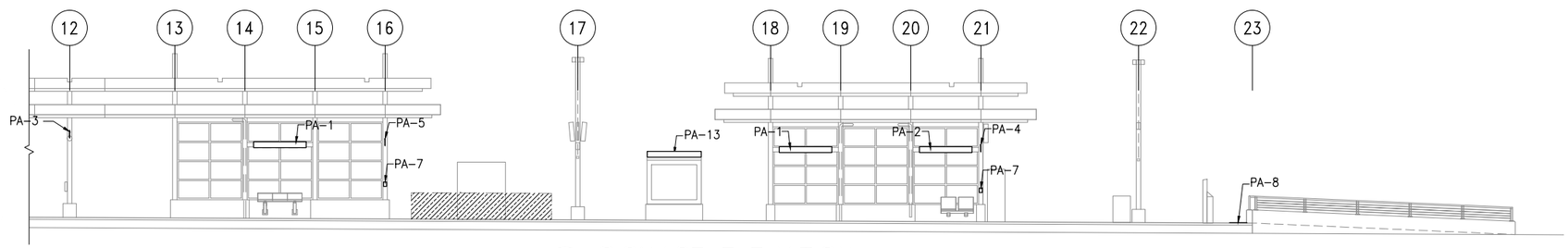
2 SIGNAGE PLAN
SCALE: 1/16"=1'-0"

SCALE 0 4 8 16



3 SIGNAGE ELEVATION
SCALE: 1/16"=1'-0"

SCALE 0 4 8 16



4 SIGNAGE ELEVATION
SCALE: 1/16"=1'-0"

SCALE 0 4 8 16

GENERAL SHEET NOTES

1. ALL SIGNAGE MOUNTING HEIGHTS ARE FROM CENTER LINE AT BOTTOM EDGE TO TOP OF PLATFORM
2. FOR SIGNS PA-1, PA-4, PA-5 SEE SHEET DTL A801 FOR MOUNTING
3. FOR SIGNS PA-6, PA-12, PA-13, PA-14, PA-15, PA-16 SEE KIOSK AND CABINET DETAILS FOR MOUNTING
4. SEE VOLUME 11E FOR COMMON DETAILS

SIGNAGE KEY

PA-1 PA-2	1 / A801 / DTL
PA-3 PA-4 PA-5	2 / A801 / DTL
PA-6	3 / A801 / DTL
PA-7	4 / A801 / DTL
PA-8	5 / A801 / DTL
PA-12	6 / A801 / DTL
PA-13 PA-14	7 / A801 / DTL
PA-15	3 / A803 / DTL
PA-16	2 / A803 / DTL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

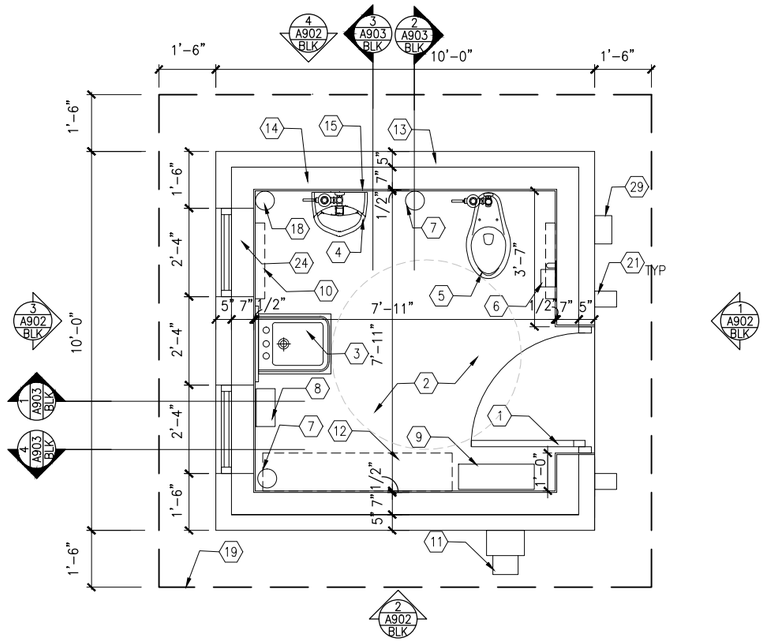
CIVIL - VOLUME 11C
BLAKE STATION
SIGNAGE PLANS AND ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-BLK-ARC-SGN-800

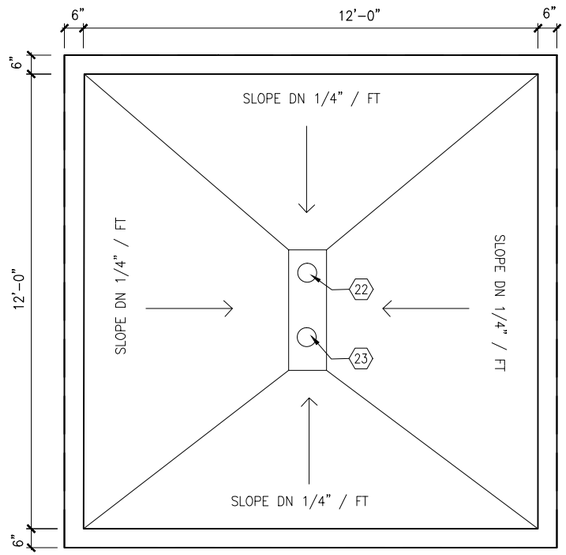
SHEET 99 OF 510

Jan, 18 2016 10:54 am V:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-SGN-800.dwg By: MurphySP



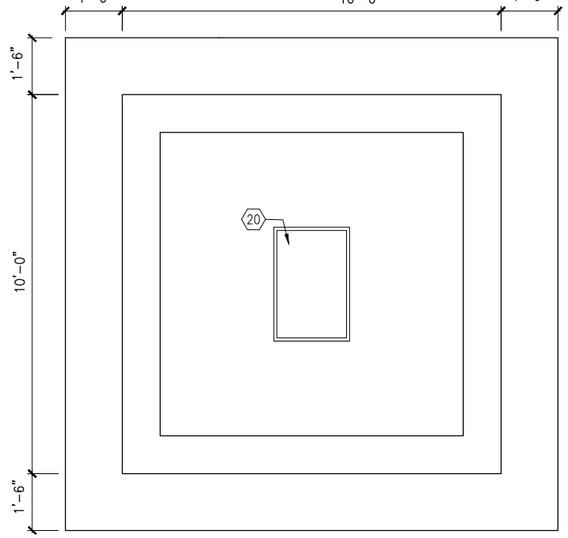
1 REST ROOM FACILITY PLAN
SCALE: 1/4"=1'-0"

SCALE 0 1 2 4



2 REST ROOM FACILITY ROOF PLAN
SCALE: 1/4"=1'-0"

SCALE 0 1 2 4



3 REST ROOM FACILITY REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"

SCALE 0 1 2 4

GENERAL SHEET NOTES

1. SEE SHEET Axxx FOR SPECIFIC FINISH/COLOR.
2. SEE SHEET A101 FOR SITE PLAN

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. HOLLOW METAL DOOR W/CLOSER
2. CONCRETE FLOORING W/EPOXY COATING
3. LAVATORY SINK WITH MIRROR
4. URINAL
5. TOILET (FLOOR MOUNTED)
6. TOILET PAPER DISPENSER
7. FLOOR DRAIN
8. PAPER TOWEL DISPENSER
9. ELECTRICAL PANEL – SEE ELEC
10. BASE BOARD UNIT – SEE MECH
11. ELECTRIC METER – SEE ELEC
12. WATER METER – SEE MECH
13. CONCRETE BLOCK WALL
14. METAL STUD WALL W/FIBER GLASS INSULATION
15. GYPSUM BOARD
16. 6X6 COLUMN – SEE STRUC
17. CONCRETE PAD – SEE URD
18. RAIN WATER LEADER – SEE PLUM
19. CANOPY ABOVE
20. LED LIGHT FIXTURE
21. LED WALL MOUNTED LIGHT FIXTURE W/CAGE
22. METAL ROOF DRAIN W/PVC LEADER
23. METAL OVERFLOW DRAIN W/PVC LEADER
24. ALUMINUM WINDOW FRAMING SYSTEM WITH GLAZING (AT CEILING HEIGHT)
25. NOT USED
26. BIKE FIX-IT STATION – SEE URD
27. WAY FINDING SIGNAGE
28. NOT USED
29. EXHAUST WALL CAP
30. BIKE LOOPS – SEE URD

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

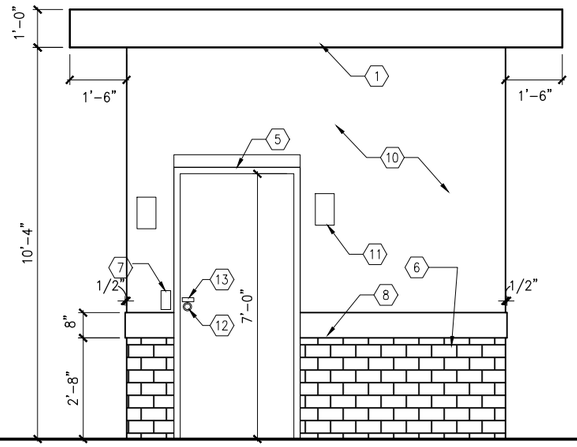
CIVIL - VOLUME 11C
BLAKE STATION
BUS OPERATOR RESTROOM FACILITY
PLAN, ROOF PLAN, RCP

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-BLK-ARC-PLN-901

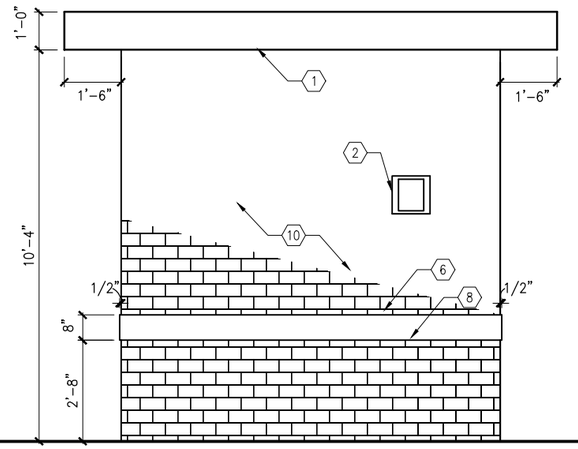
SHEET 100 OF 510

Jan, 18 2016 10:55 am V:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-PLN-901.dwg By: MurphySP



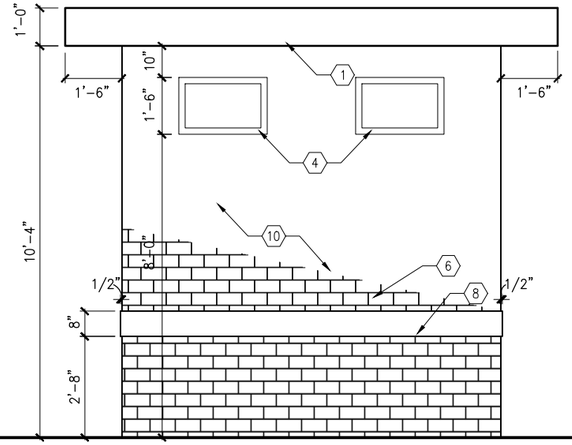
1 REST ROOM FACILITY – EAST ELEVATION
SCALE: 1/4"=1'-0"

SCALE 0 2 4 8



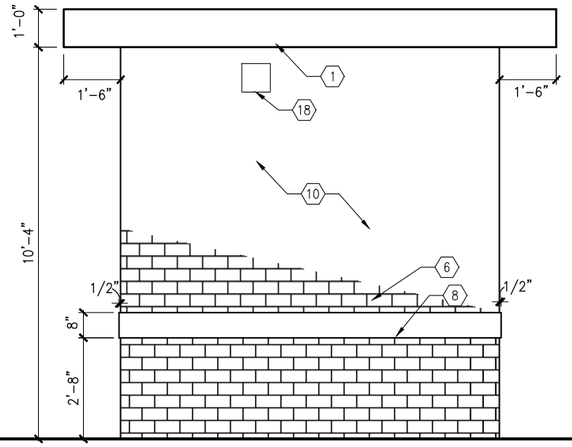
2 REST ROOM FACILITY – SOUTH ELEVATION
SCALE: 1/4"=1'-0"

SCALE 0 2 4 8



3 REST ROOM FACILITY – WEST ELEVATION
SCALE: 1/4"=1'-0"

SCALE 0 2 4 8



4 REST ROOM FACILITY – NORTH ELEVATION
SCALE: 1/4"=1'-0"

SCALE 0 2 4 8

GENERAL SHEET NOTES

1. SEE SHEET Axxx FOR SPECIFIC FINISH/COLOR.

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ROOF/FASCIA
2. ELEC METER – SEE ELEC
3. STEEL COLUMN – SEE STRUC
4. ALUMINUM GLASS WINDOW SYSTEM
5. SOLID METAL DOOR W/METAL FRAME
6. BURNSIHED BLOCK ACCENT BAND
7. RFID CARD READER
8. BURNISHED BLOCK ACCENT COURSE
9. COLUMNS – SEE STRUC
10. CONCRETE BURNISHED BLOCK WALL
11. WALL LIGHT
12. LOCK FOR C-KEY
13. DISPLAY "VACANT / OCCUPIED"
14. BIKE PARKING LOOPS – SEE URD
15. BIKE FIX IT STATION – SEE URD
16. WAYFINDING SIGNAGE
17. NOT USED
18. EXHAUST WALL CAP

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

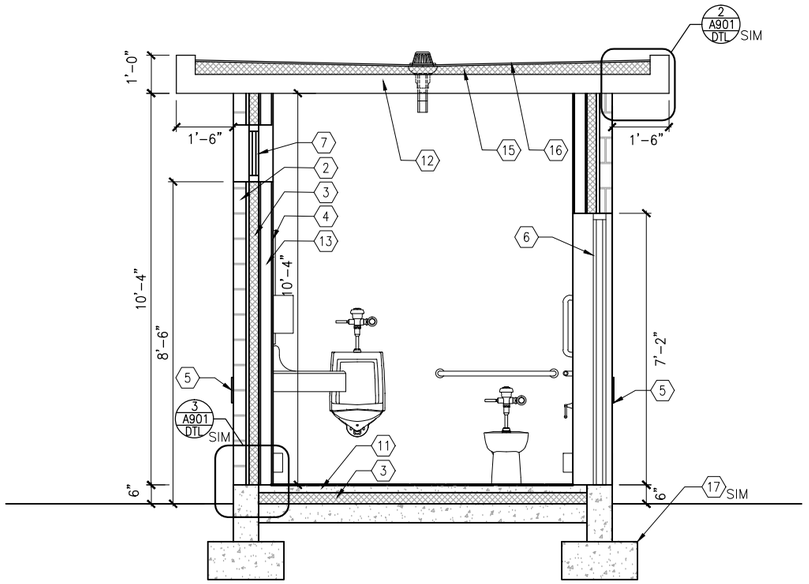
CIVIL - VOLUME 11C
BLAKE STATION
BUS OPERATOR RESTROOM FACILITY
ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-BLK-ARC-ELV-902

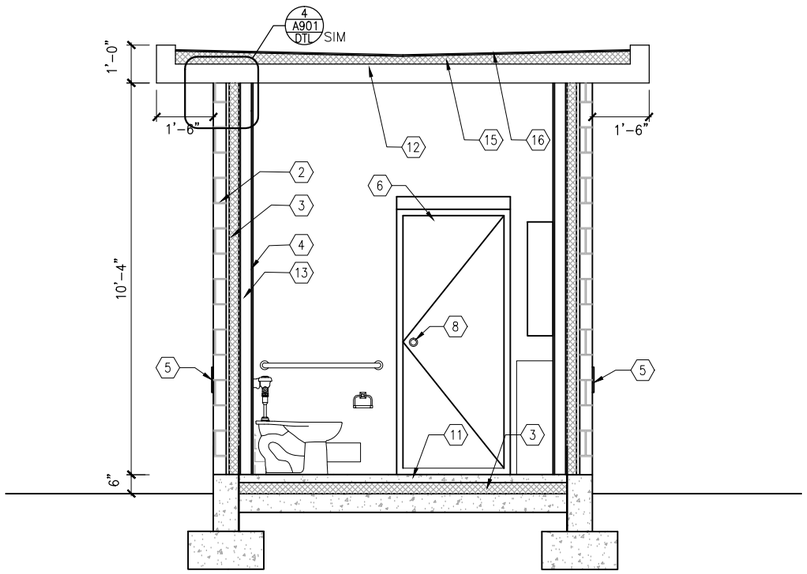
SHEET 101 OF 510

Jan. 18 2016 10:55 am V:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-ELV-902.dwg By: MurphySP



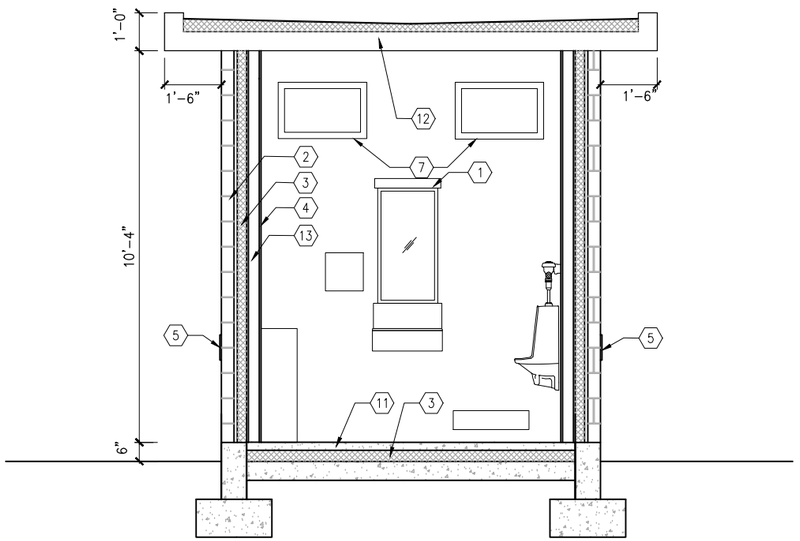
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0 1 2 4
SCALE



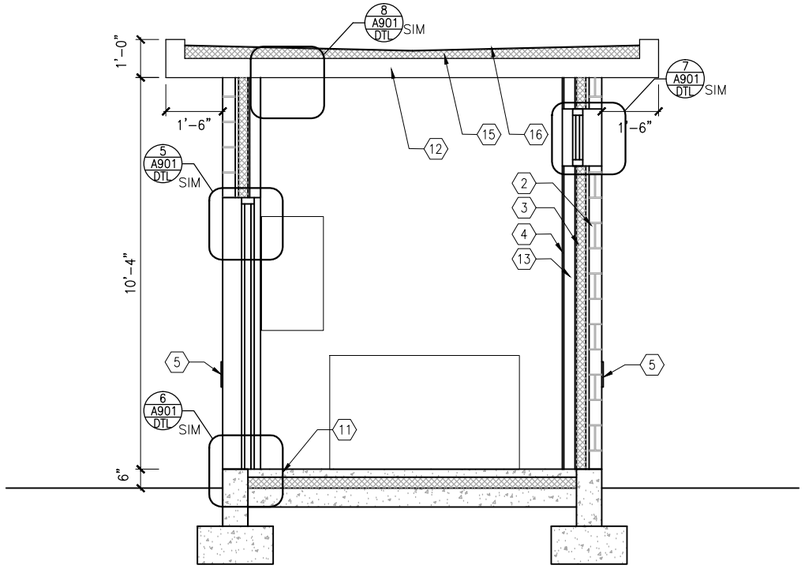
2 REST ROOM FACILITY SECTION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE



3 REST ROOM FACILITY SECTION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE



4 REST ROOM FACILITY SECTION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

GENERAL SHEET NOTES

1. SEE SHEET Axxx FOR SPECIFIC FINISH/COLOR.

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT FIXTURE
2. BURNISHED CONCRETE BLOCKS
3. 3" EPS
4. GYPSUM BOARD
5. 1/2" BURNISHED BLOCK ACCENT COURSE
6. HOLLOW METAL DOOR WITH CLOSER
7. ALUMINUM WINDOW FRAMING SYSTEM
8. INTERNAL LOCK WITH VACANT/OCCUPIED DISPLAY
9. COAT/BAG HOOK
10. SHEATHING
11. FINISHED CONCRETE FLOORING WITH EPOXY COATING
12. METAL DECK
13. METAL STUDS W/BATT INSULATION
14. NOT USED
15. ROOF INSULATION (EPS)
16. ROOFING SYSTEM
17. CONCRETE SLAB AND FOOTING – SEE STRUC
18. 6X6 COLUMN – SEE STRUC
19. CONCRETE PAVING – SEE URD
20. STAINLESS STEEL SUPPORT BAR

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

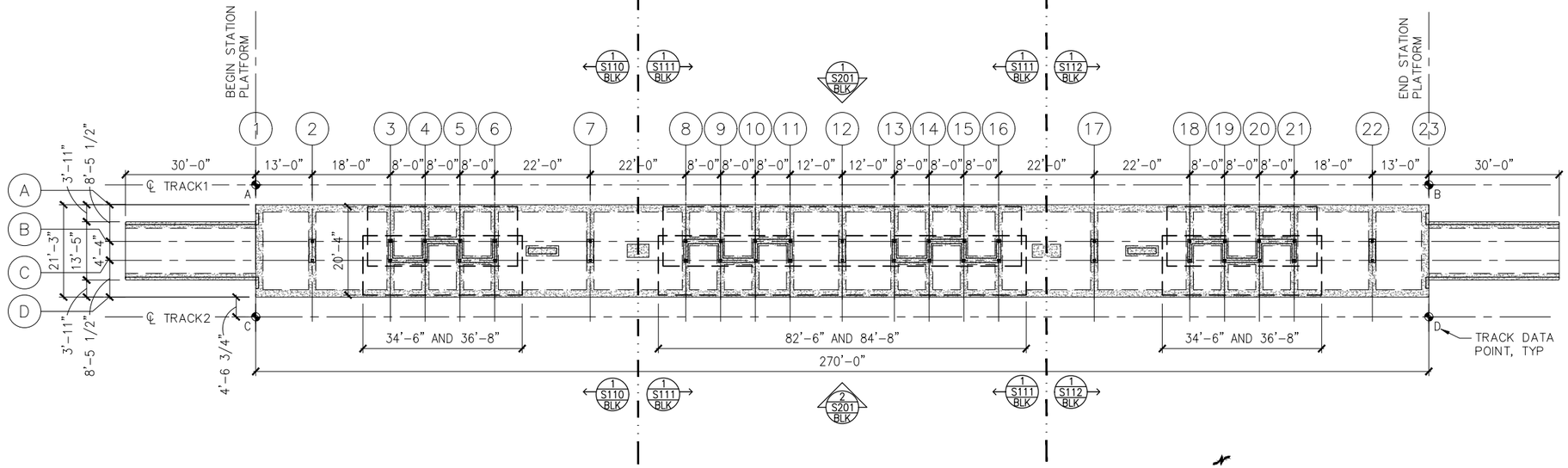
CIVIL - VOLUME 11C
BLAKE STATION
BUS OPERATOR RESTROOM FACILITY
SECTIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-BLK-ARC-SCT-903

SHEET 102 OF 510

Jan. 18 2016 10:56 am v:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-SCT-903.dwg By: MurphySP



1 PLATFORM FOUNDATION PLAN

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SCALE 0 7.5 15 30

TRACK DATA

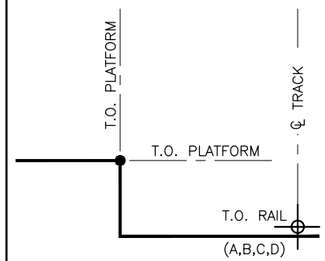
℄ ELEV 100'-0" (LOCATION ON PLAN)

TRACK 1 EL 100'-0"= 920.83 (PT 'B')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING	
A	922.11	1575+08.90	
B	920.83	1577+78.90	

TRACK 2 EL 100'-0"= 920.83 (PT 'D')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING	
C	922.11	2575+08.90	
D	920.83	2577+78.90	



SECTION DIAGRAM AT PLATFORM EDGE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BLAKE STATION
PLATFORM FOUNDATION PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E1-BLK-STR-PLN-101

SHEET 103 OF 510

Jan, 14 2016 03:15 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E1\PLAN SHEETS\STRUCTURES\BLAKE STATION\E1-BLK-STR-PLN-101.dwg By: jordanl

BLAKE

BLAKE STATION PLATFORM

REFERENCE GRID	DISTANCE FROM BEGIN PLATFORM (FT)	T.O. TOPPING ELEVATION	T.O. STR. SLAB ELEVATION	T.O. TOPPING ELEVATION AT "L7"	B.O. BASEPLATE ELEVATION	T.O. WALL ELEVATION	T.O. HSS4X6 ELEVATION	T.O. LOWER W8X31 ELEVATION	T.O. UPPER W8X31 ELEVATION	T.O. HSS6X6X1/2 ELEVATION	H1 (T.O. SLAB TO T.O. WALL) (FT)
1	0	923.27	922.93	923.20							
2	13	923.20	922.87	923.13	921.45	924.70				941.70	1.83
3	31	923.12	922.79	923.05	921.37	924.98	931.48	935.14	938.14	941.64	2.19
4	39	923.08	922.75	923.01	921.33	924.98	931.48	935.14	938.14		2.23
5	47	923.04	922.71	922.97	921.29	924.98	931.48	935.14	938.14		2.27
6	55	923.01	922.67	922.94	921.26	924.98	931.48	935.14	938.14	941.64	2.30
WALL TRANSITION POINT 1	**62.75**	**922.97**	**922.64**	**922.90**		**924.80**					**2.17**
WALL TRANSITION POINT 2	**69.25**	**922.94**	**922.61**	**922.87**		**924.80**					**2.20**
7	77	922.90	922.57	922.83	921.15	924.40				941.40	1.83
8	99	922.80	922.47	922.73	921.05	924.66	931.16	934.82	937.82	941.32	2.19
9	107	922.76	922.43	922.69	921.01	924.66	931.16	934.82	937.82		2.23
10	115	922.73	922.39	922.66	920.98	924.66	931.16	934.82	937.82		2.27
11	123	922.69	922.35	922.62	920.94	924.66	931.16	934.82	937.82	941.32	2.30
12	135	922.63	922.30	922.56	920.88	924.13		934.82	937.82		1.83
13	147	922.57	922.24	922.50	920.82	924.66	931.16	934.82	937.82	941.32	2.42
14	155	922.54	922.20	922.47	920.79	924.66	931.16	934.82	937.82		2.45
15	163	922.50	922.17	922.43	920.75	924.66	931.16	934.82	937.82		2.49
16	171	922.46	922.13	922.39	920.71	924.66	931.16	934.82	937.82	941.32	2.53
17	193	922.36	922.03	922.29	920.61	923.86				940.86	1.83
WALL TRANSITION POINT 3	**200.75**	**922.32**	**921.99**	**922.25**		**924.16**					**2.17**
WALL TRANSITION POINT 4	**207.25**	**922.29**	**921.96**	**922.22**		**924.16**					**2.20**
18	215	922.26	921.92	922.19	920.51	924.11	930.61	934.28	937.28	940.78	2.19
19	223	922.22	921.88	922.15	920.47	924.11	930.61	934.28	937.28		2.23
20	231	922.18	921.85	922.11	920.43	924.11	930.61	934.28	937.28		2.27
21	239	922.14	921.81	922.07	920.39	924.11	930.61	934.28	937.28	940.78	2.30
22	257	922.06	921.72	921.99	920.31	923.56				940.56	1.83
23	270	922.00	921.66	921.93							

GENERAL NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.

REFERENCE TABLE NOTES

1. TOP OF PLATFORM ELEVATION (TOPPING SLAB) SHALL BE 4"(±) ABOVE TOP OF STRUCTURAL SLAB ELEVATION AS INDICATED IN TABLE.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

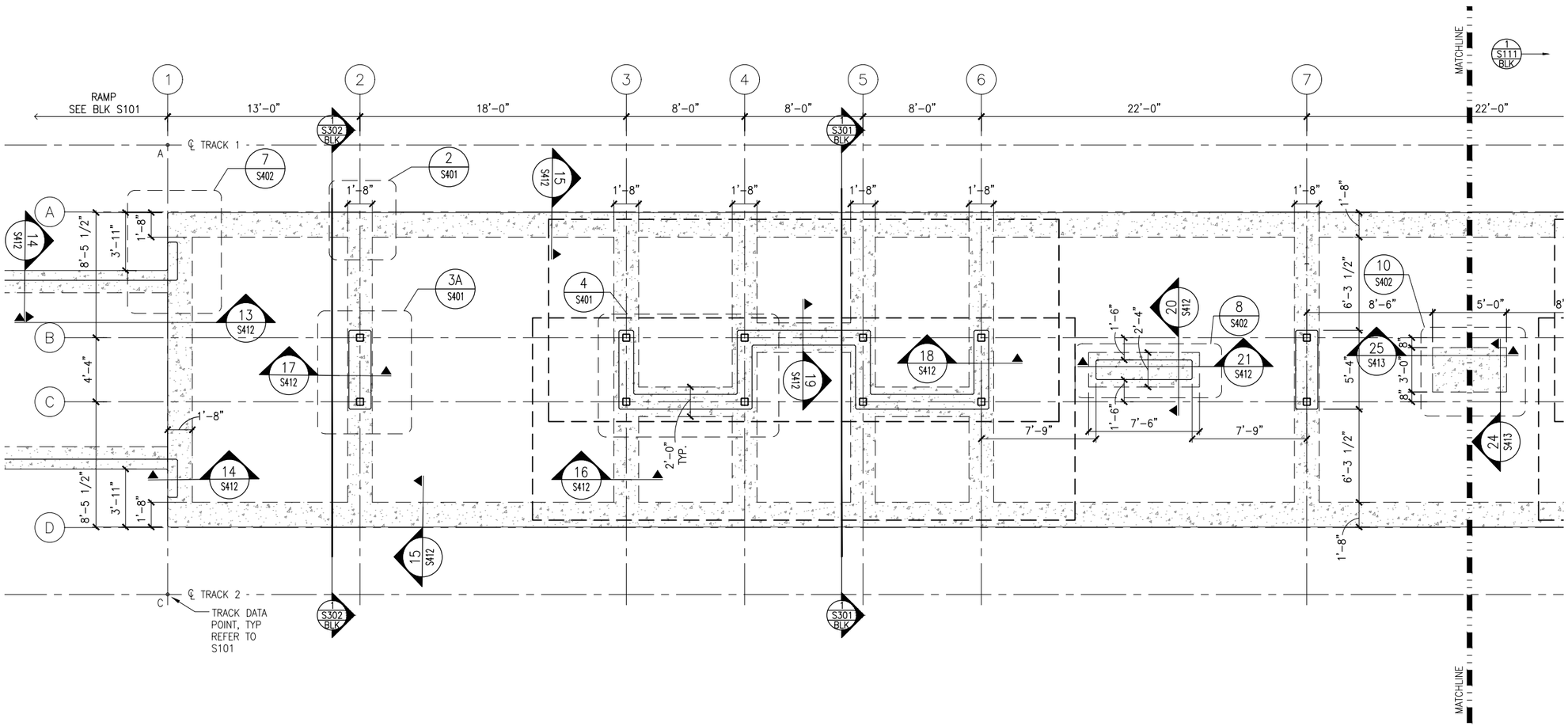
CIVIL - VOLUME 11C
BLAKE STATION
STATION REFERENCE TABLE

DISCIPLINE: STRUCTURES

SHEET NAME: E1-BLK-STR-SCH-102

SHEET 104 OF 510

Jan, 14 2016 03:19 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E1\PLAN SHEETS\STRUCTURES\BLAKE STATION\E1-BLK-STR-SCH-102.dwg By: jordanl



1 WEST PARTIAL FOUNDATION PLAN
SCALE: 1/8"=1'–0"

0 2 4 8
SCALE

GENERAL NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.
3. SEE VOLUME 11E FOR COMMON DETAILS.

FLOOR PLAN NOTES

1. FOR HEIGHTS AND LOCATIONS OF KNEE WALLS, SEE ARCH. DWGS.
2. FOR TYPICAL COLUMN BASE PLATE DETAILS SEE DWG. XXXXXX.
3. "GB–X" INDICATES GRADE BEAM MARK.
4. SLAB ON GRADE SHALL BEAR ON ENGINEERED FILL, REINF. W/ 4x4–W4.0xW4.0 W.W.F. TOP, W/ 1" CLR. COVER.

SCHEDULES or LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

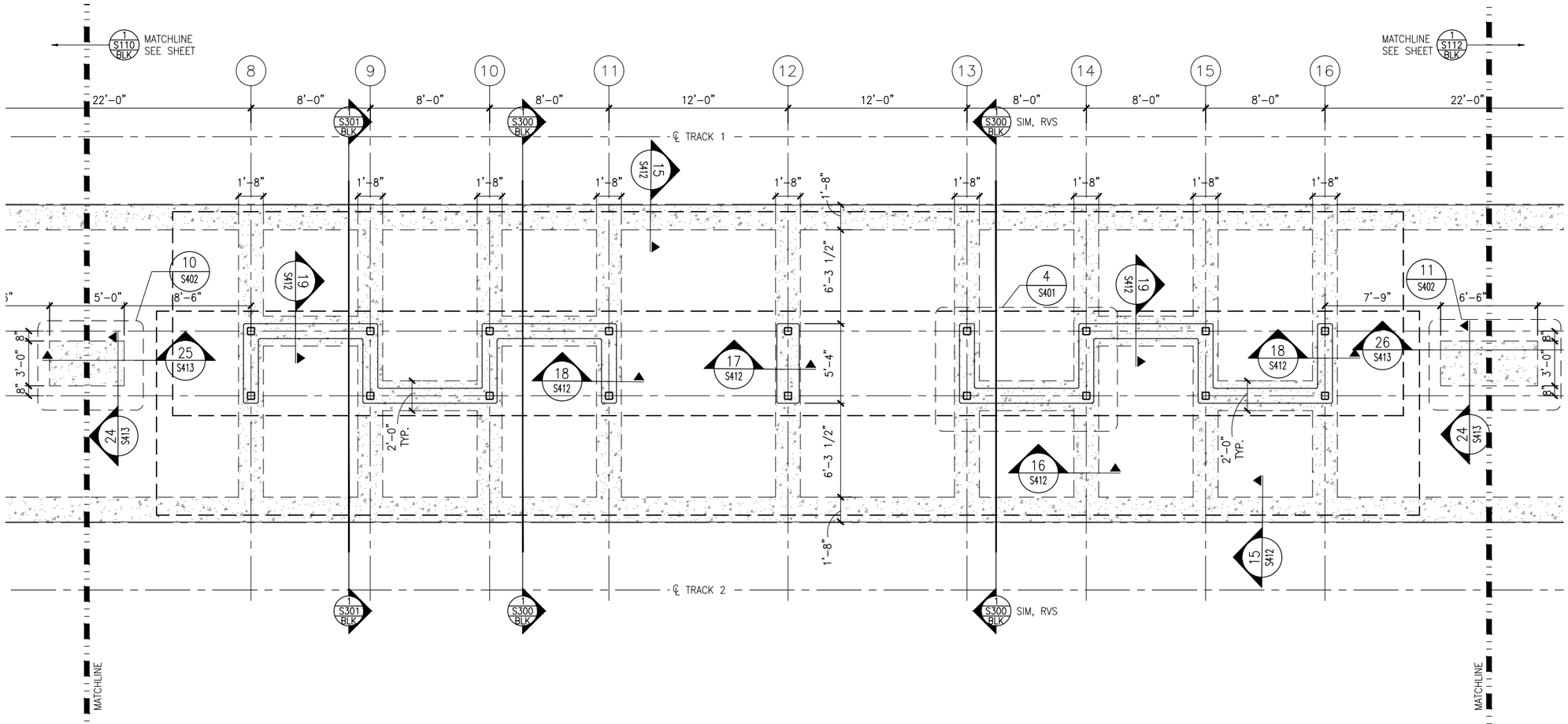
CIVIL - VOLUME 11C
BLAKE STATION
WEST PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E1-BLK-STR-PLN-110

SHEET 105 OF 510

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1 MIDDLE PARTIAL FOUNDATION PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.
3. SEE VOLUME 11E FOR COMMON DETAILS.

FLOOR PLAN NOTES

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2. FOR TYPICAL COLUMN BASE PLATE DETAILS SEE DWG. XXXXXX.
3. "GB-X" INDICATES GRADE BEAM MARK.
4. SLAB ON GRADE SHALL BEAR ON ENGINEERED FILL, REINF. W/ 4x4-W4.0xW4.0 W.W.F. TOP, W/ 1" CLR. COVER.

SCHEDULES or LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

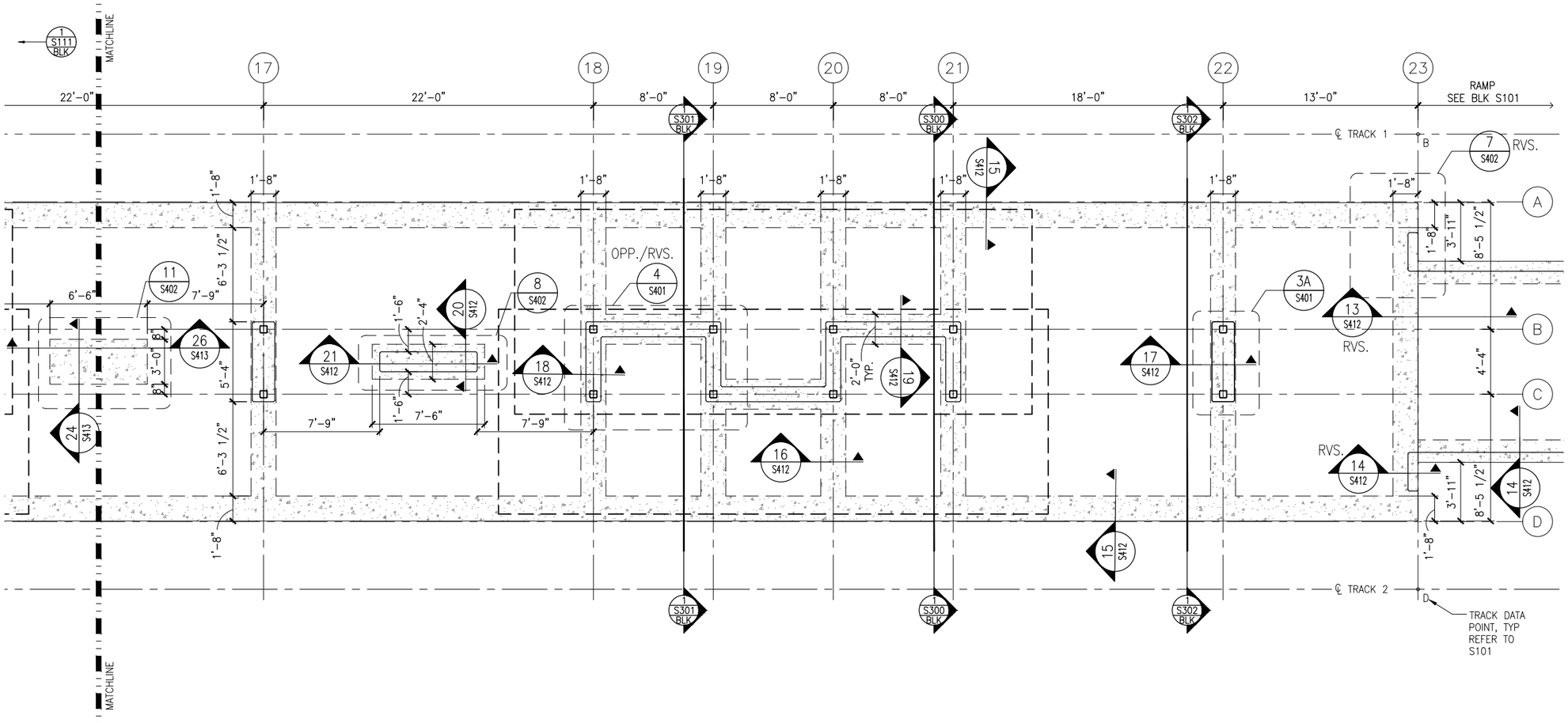
CIVIL - VOLUME 11C
BLAKE STATION
MIDDLE PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E1-BLK-STR-PLN-111

SHEET 106 OF 510

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1 EAST PARTIAL FOUNDATION PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
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3. SEE VOLUME 11E FOR COMMON DETAILS.

FLOOR PLAN NOTES

1. FOR HEIGHTS AND LOCATIONS OF KNEE WALLS, SEE ARCH. DWGS.
2. FOR TYPICAL COLUMN BASE PLATE DETAILS SEE DWG. XXXXXX.
3. "GB-X" INDICATES GRADE BEAM MARK.
4. SLAB ON GRADE SHALL BEAR ON ENGINEERED FILL, REINF. W/ 4x4-W4.0xW4.0 W.W.F. TOP, W/ 1" CLR. COVER.

SCHEDULES or LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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SOUTHWEST Green Line LRT Extension

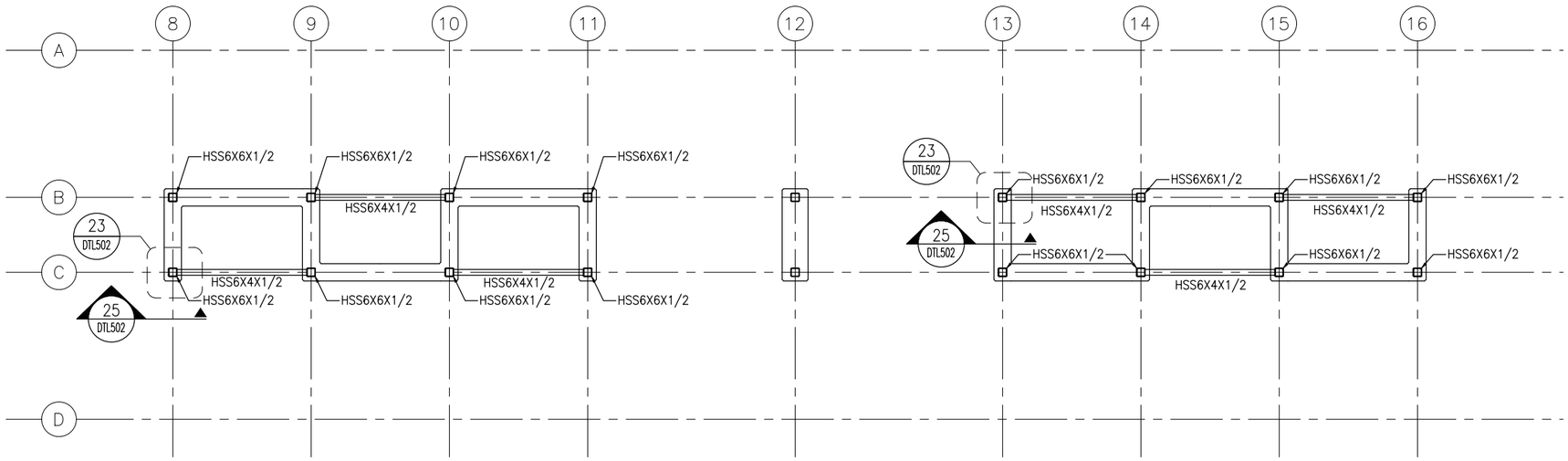
CIVIL - VOLUME 11C
BLAKE STATION
EAST PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES

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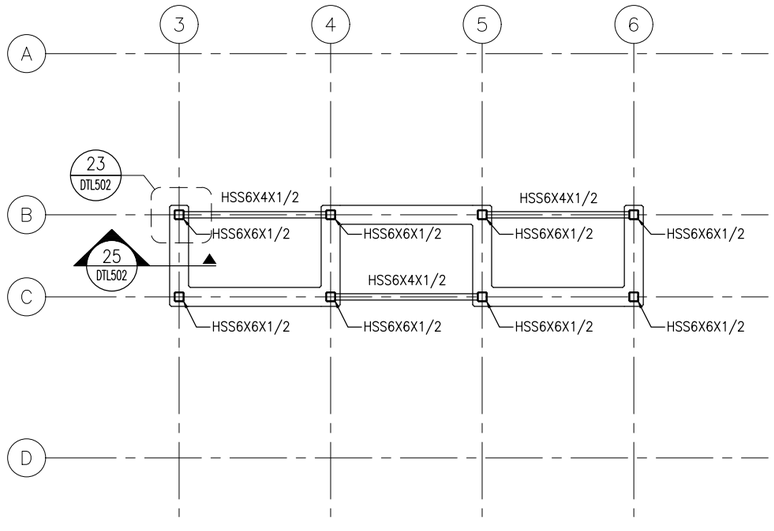
SHEET 107 OF 510

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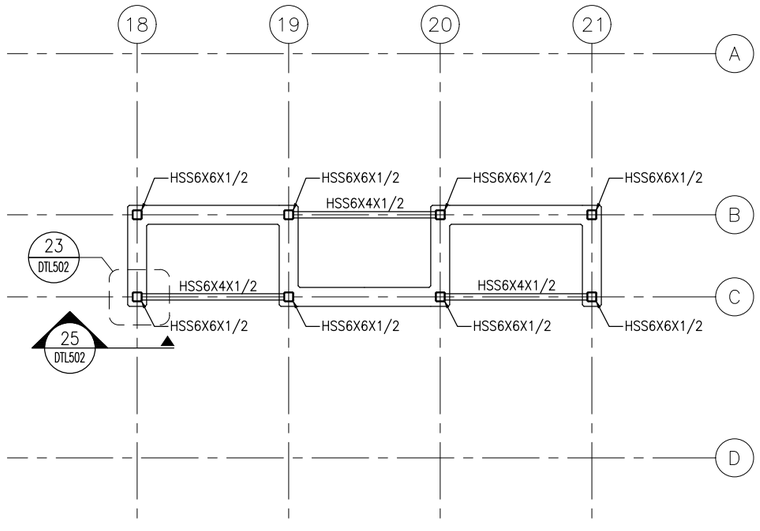
1 INTERMEDIATE FRAMING PLAN – MIDDLE CANOPY
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 INTERMEDIATE FRAMING PLAN – WEST CANOPY
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



3 INTERMEDIATE FRAMING PLAN – EAST CANOPY
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

SHEET NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
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3. SEE VOLUME 11E FOR COMMON DETAILS.

KEY NOTES

1. [ ] INDICATES SPAN DIRECTION OF ROOF METAL DECK. SEE ARCH. DWGS.
2. [ ] DENOTES PREQUALIFIED SHOP OR FIELD WELDED CONNECTION.
3. BC DENOTES BOLTED CONNECTION, FOR TYPICAL BEAM TO BEAM BOLTED CONNECTIONS AND SIMILAR DETAILS SEE DWG. XXXXXXX & XXXXXXX

LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

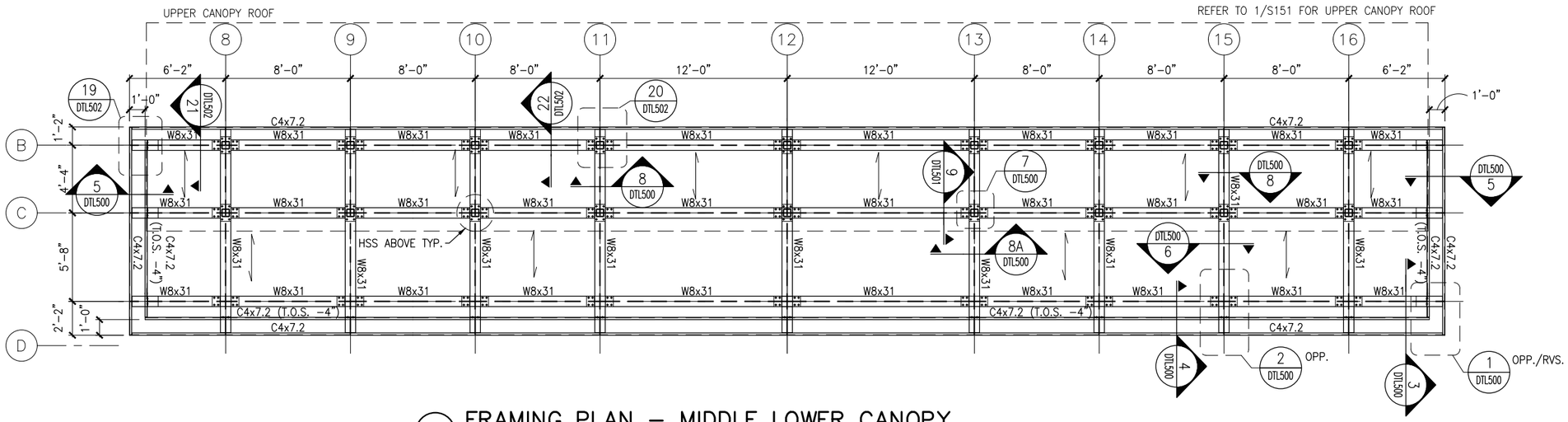
CIVIL - VOLUME 11C
BLAKE STATION
INTERMEDIATE FRAMING PLAN

DISCIPLINE: STRUCTURES

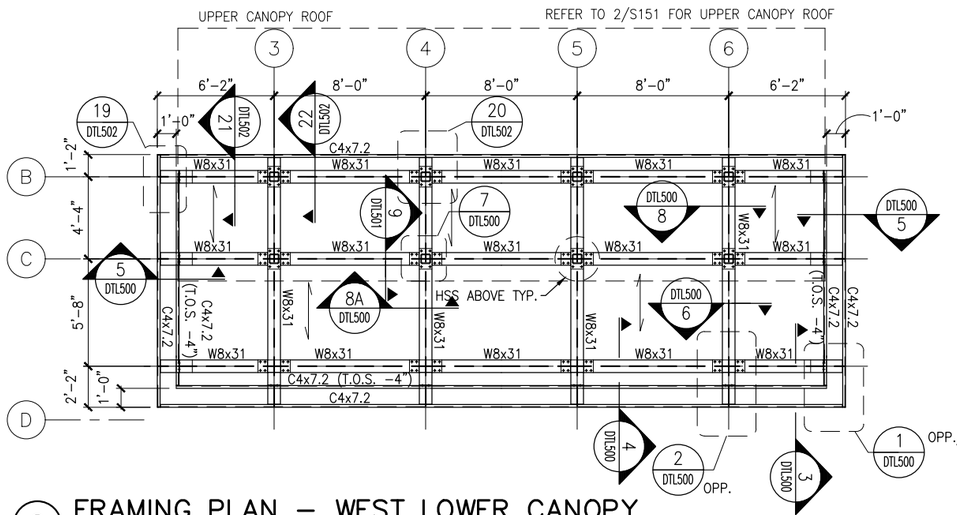
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SHEET 108 OF 510

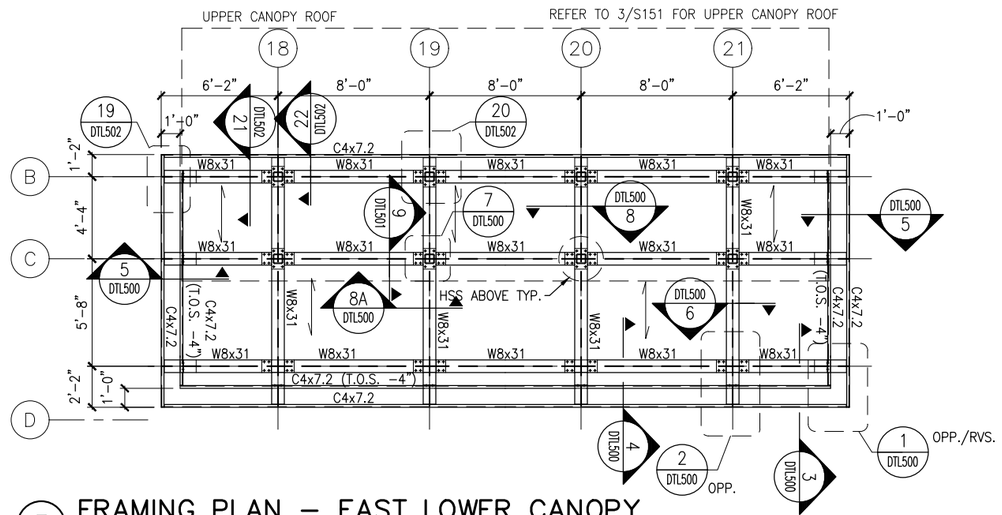
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1 FRAMING PLAN – MIDDLE LOWER CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE



2 FRAMING PLAN – WEST LOWER CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE



3 FRAMING PLAN – EAST LOWER CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE

SHEET NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
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3. SEE VOLUME 11E FOR COMMON DETAILS.

KEY NOTES

1. [ ] INDICATES SPAN DIRECTION OF ROOF METAL DECK. SEE ARCH. DWGS.
2. [ ] DENOTES PREQUALIFIED SHOP OR FIELD WELDED CONNECTION.
3. BC DENOTES BOLTED CONNECTION, FOR TYPICAL BEAM TO BEAM BOLTED CONNECTIONS AND SIMILAR DETAILS SEE DWG. XXXXXXX & XXXXXXX

LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

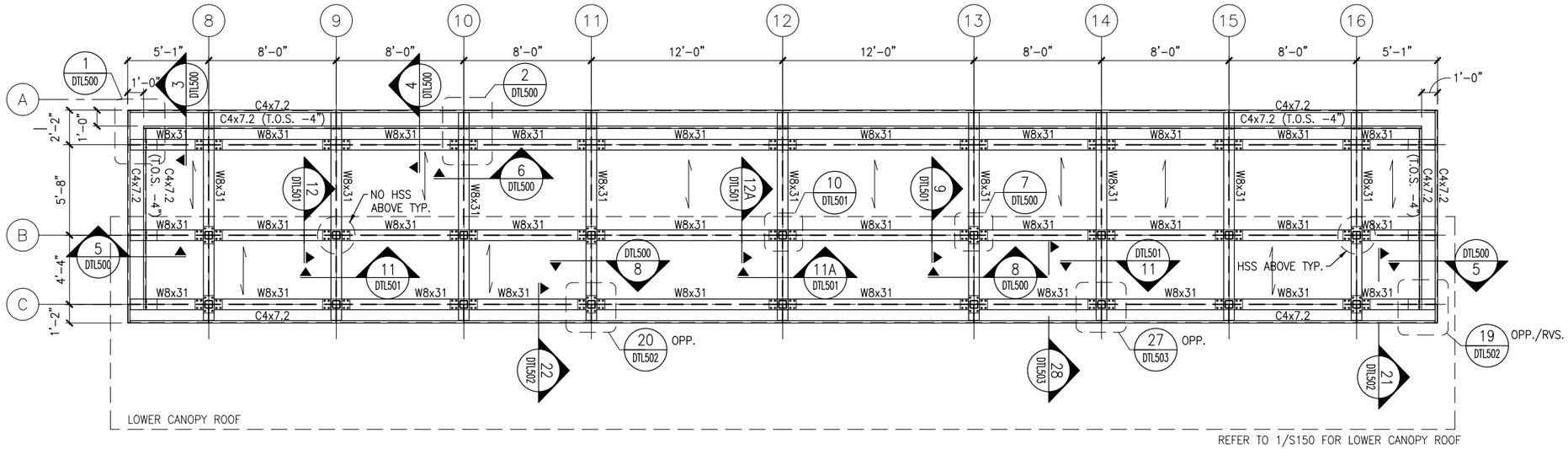
CIVIL - VOLUME 11C
BLAKE STATION
LOWER ROOF FRAMING PLANS

DISCIPLINE: STRUCTURES

SHEET NAME: E1-BLK-STR-PLN-150

SHEET 109 OF 510

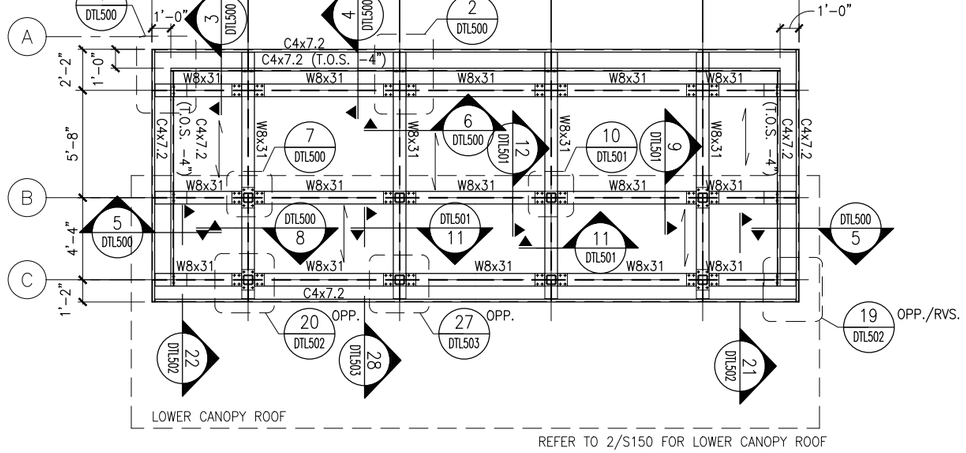
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1 FRAMING PLAN – MIDDLE UPPER CANOPY

SCALE: 1/8"=1'-0"

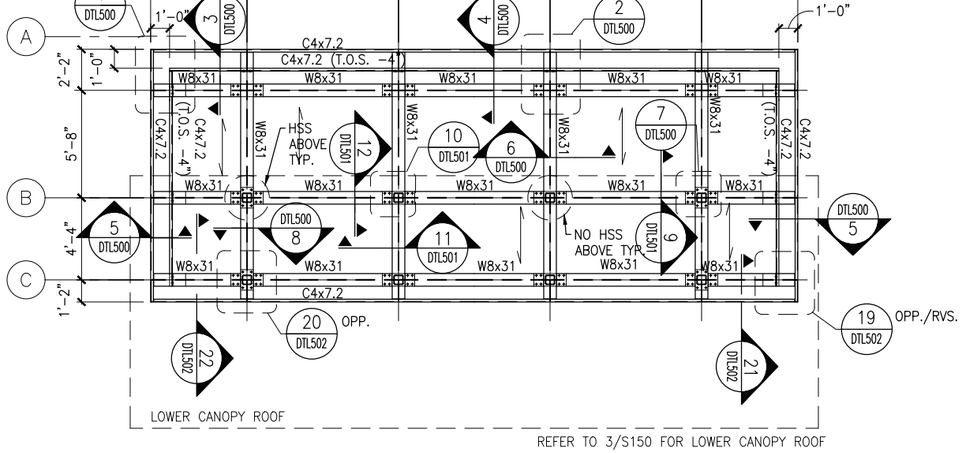
SCALE 0 2 4 8



2 FRAMING PLAN – WEST UPPER CANOPY

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



3 FRAMING PLAN – EAST UPPER CANOPY

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

SHEET NOTES

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3. SEE VOLUME 11E FOR COMMON DETAILS.

KEY NOTES

1. [ ] INDICATES SPAN DIRECTION OF ROOF METAL DECK. SEE ARCH. DWGS.
2. [ ] DENOTES PREQUALIFIED SHOP OR FIELD WELDED CONNECTION.
3. BC DENOTES BOLTED CONNECTION, FOR TYPICAL BEAM TO BEAM BOLTED CONNECTIONS AND SIMILAR DETAILS SEE DWG. XXXXXXX & XXXXXXX

LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

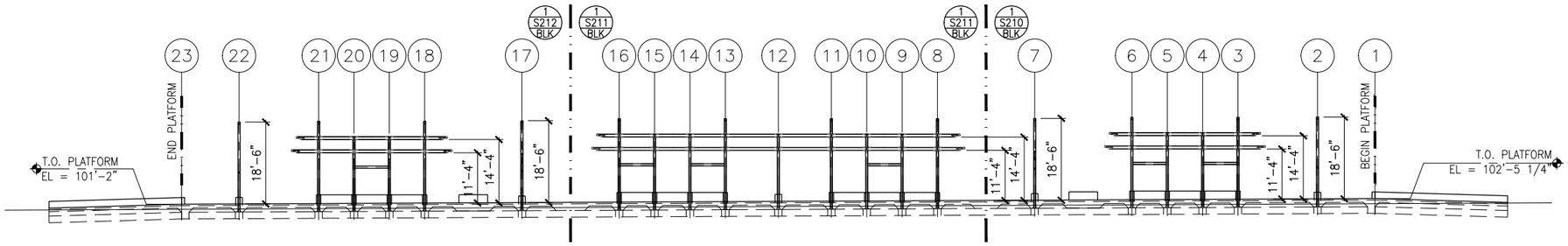
CIVIL - VOLUME 11C
BLAKE STATION
UPPER ROOF FRAMING PLANS

DISCIPLINE: STRUCTURES

SHEET NAME: E1-BLK-STR-PLN-151

SHEET 110 OF 510

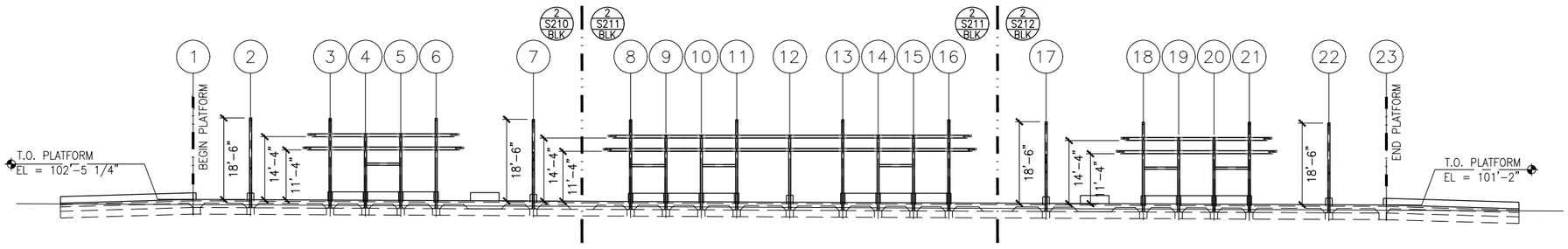
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1 TRACK 1 ELEVATION – FRAMING

SCALE: 1:30 (–0.47% SLOPE)*

0 7.5 15 30
SCALE



2 TRACK 2 ELEVATION – FRAMING

SCALE: 1:30 (–0.47% SLOPE)*

0 7.5 15 30
SCALE

*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

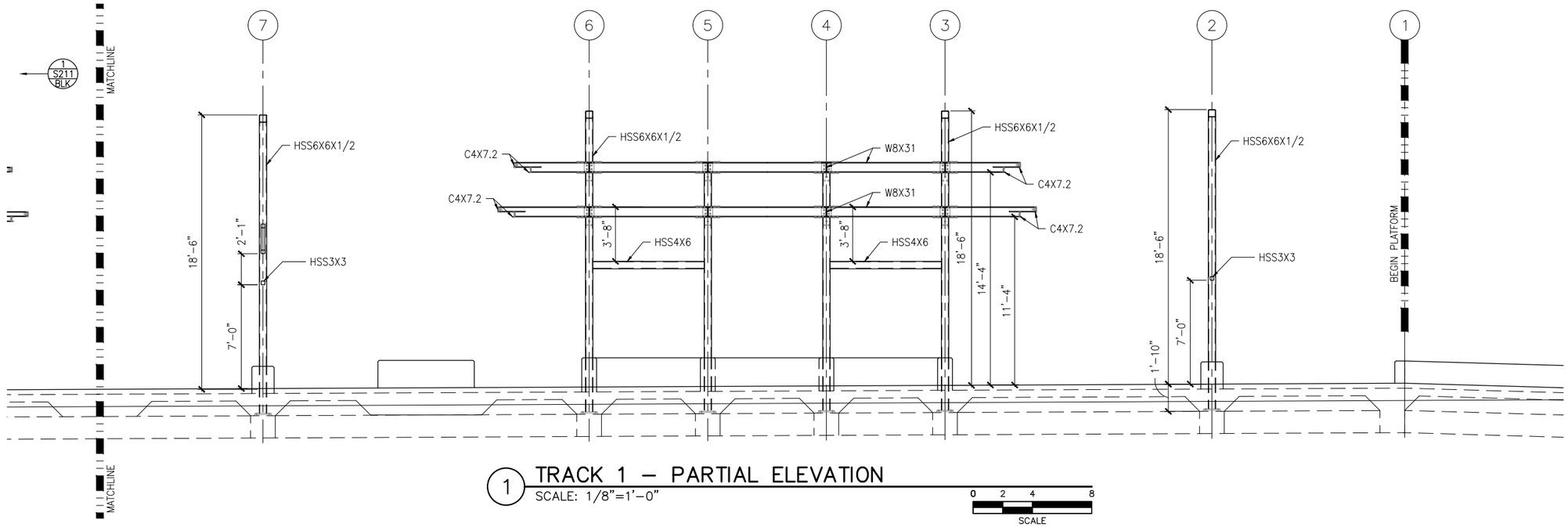
CIVIL - VOLUME 11C
BLAKE STATION
ELEVATIONS -- FRAMING

DISCIPLINE: STRUCTURES

SHEET NAME: E1-BLK-STR-ELV-201

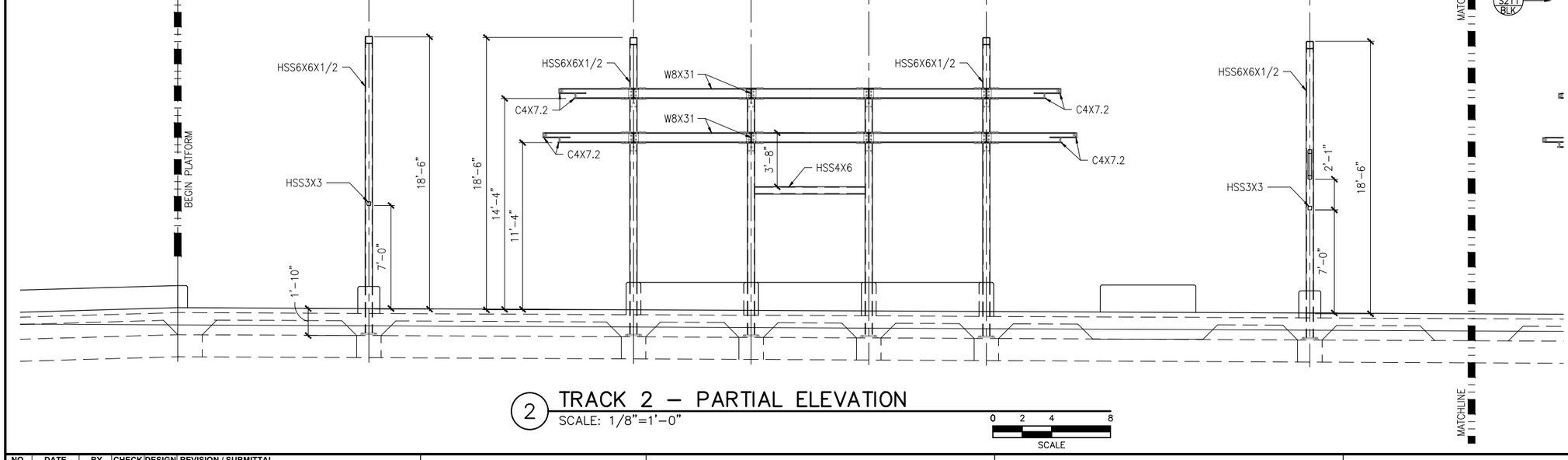
SHEET 111 OF 510

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1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

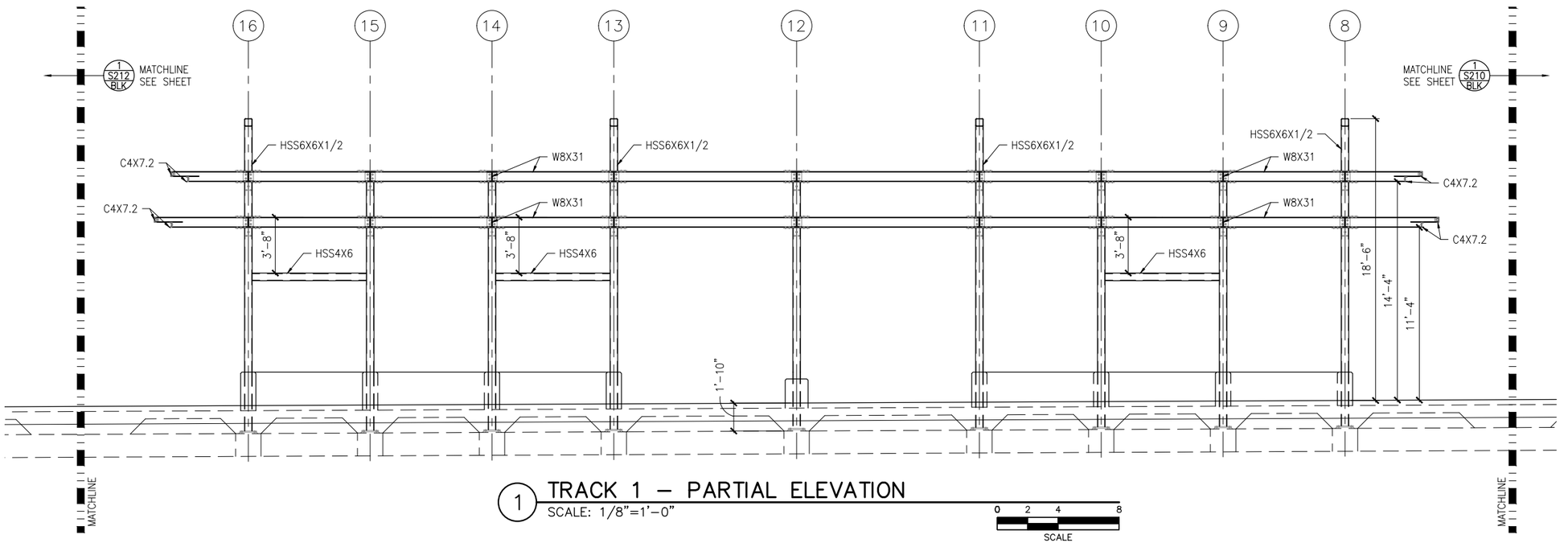
CIVIL - VOLUME 11C
BLAKE STATION
WEST PARTIAL ELEVATIONS -- FRAMING

SHEET 112 OF 510

DISCIPLINE: STRUCTURES

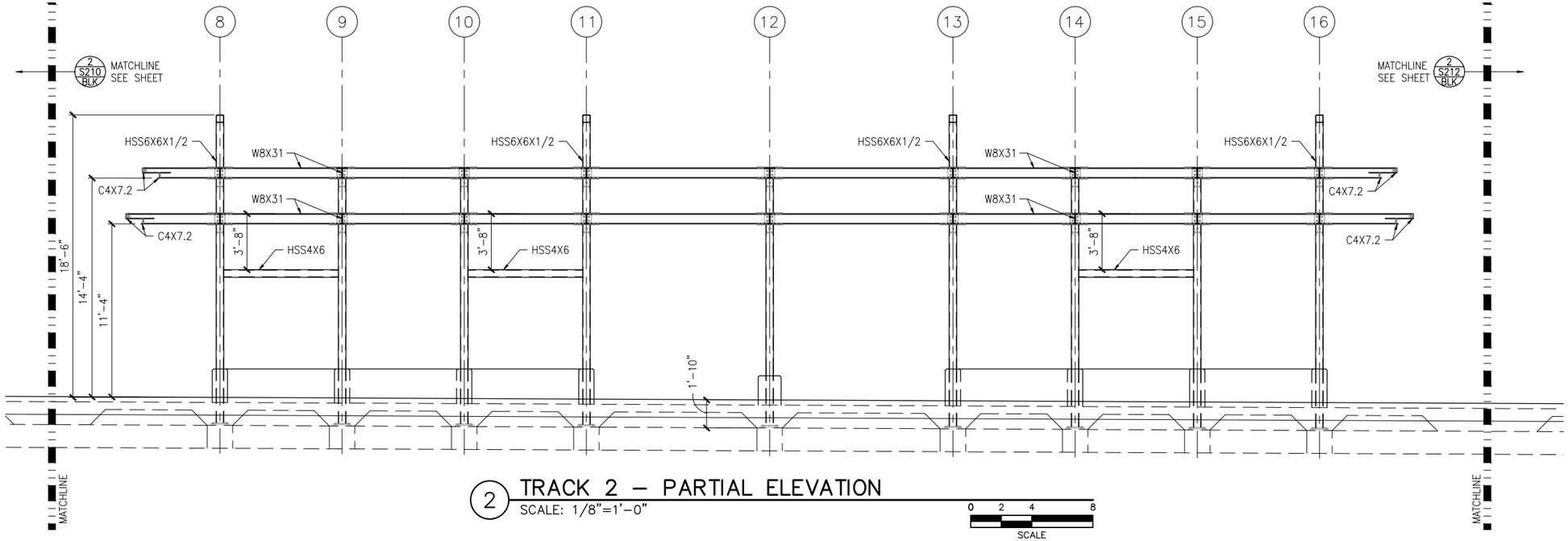
SHEET NAME: E1-BLK-STR-ELV-210

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1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

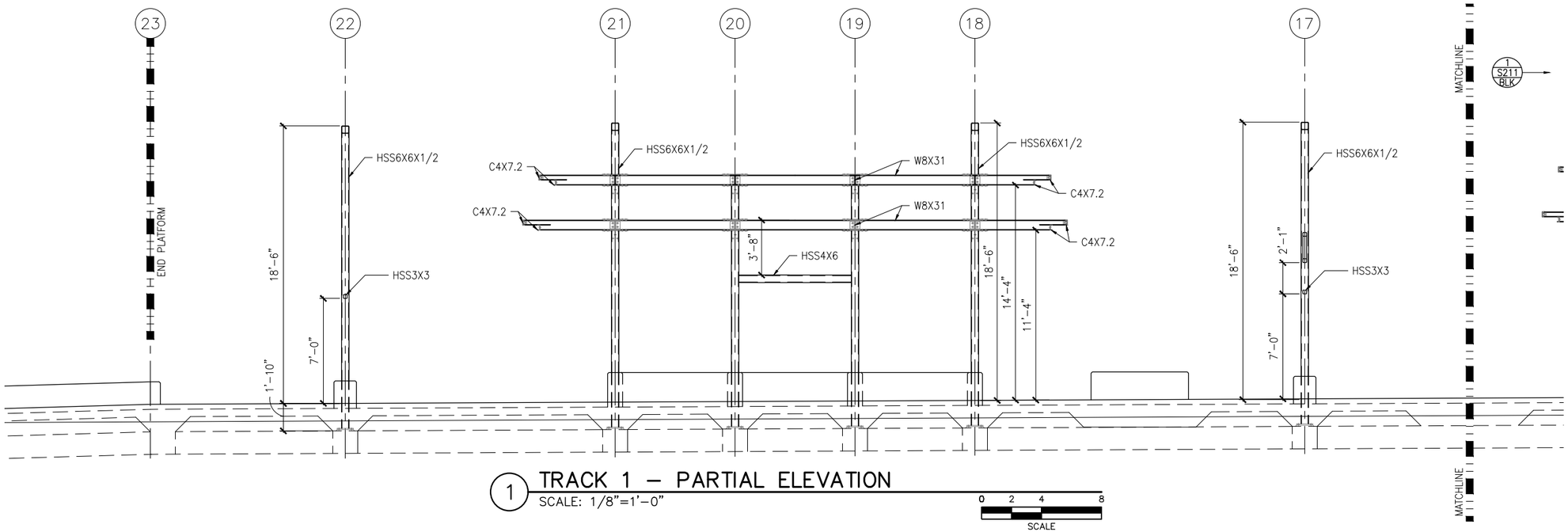
CIVIL - VOLUME 11C
BLAKE STATION
MIDDLE PARTIAL ELEVATIONS -- FRAMING

SHEET 113 OF 510

DISCIPLINE: STRUCTURES

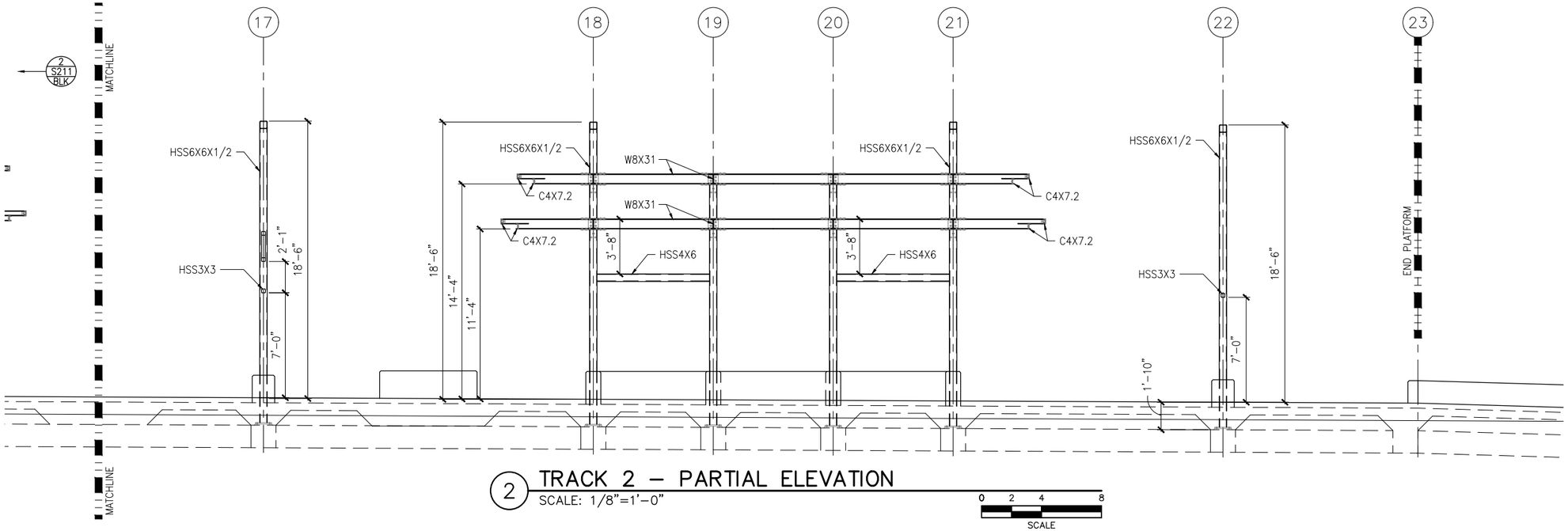
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1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

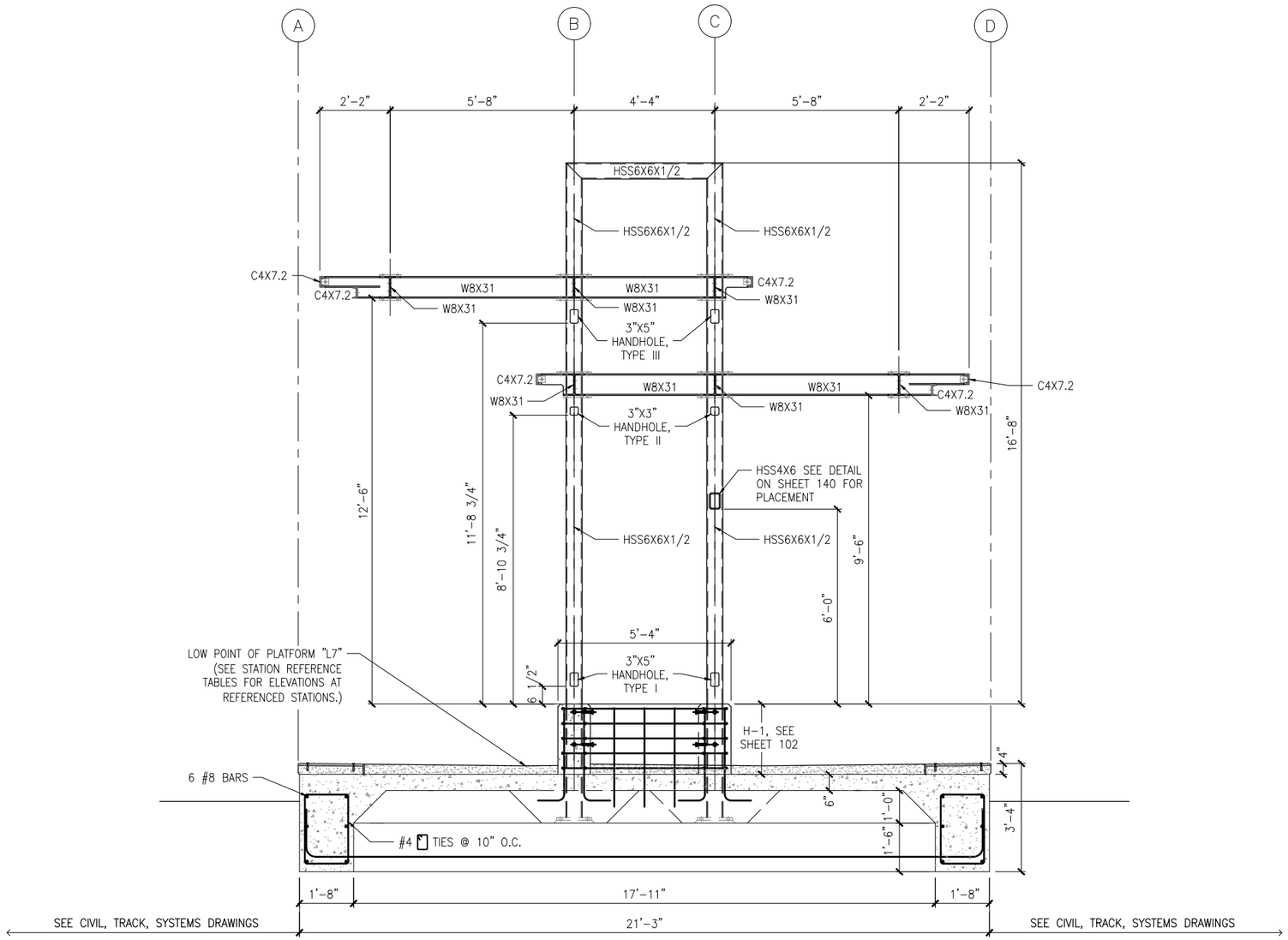
CIVIL - VOLUME 11C
BLAKE STATION
EAST PARTIAL ELEVATIONS -- FRAMING

DISCIPLINE: STRUCTURES

SHEET NAME: E1-BLK-STR-ELV-212

SHEET 114 OF 510

Jan, 14 2016 03:22 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E1\PLAN SHEETS\STRUCTURES\BLAKE STATION\E1-BLK-STR-ELV-212.dwg By: jordanl



1 TYPICAL PLATFORM SECTION

SCALE:1/4"=1'-0"

0 1 2 4
SCALE

TYPICAL AT COL. LINES 3, 6, 8, 11, 13, 16, 18, 21
HSS4X6 LOCATED ON COL. LINE B BETWEEN COLUMNS 3-4, 5-6, 9-10, 13-14, 15-16, 19-20
HSS4X6 LOCATED ON COL. LINE C BETWEEN COLUMNS 4-5, 8-9, 10-11, 14-15, 18-19, 20-21
SEE PLN FOR LOCATION OF CONC FDN WALL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

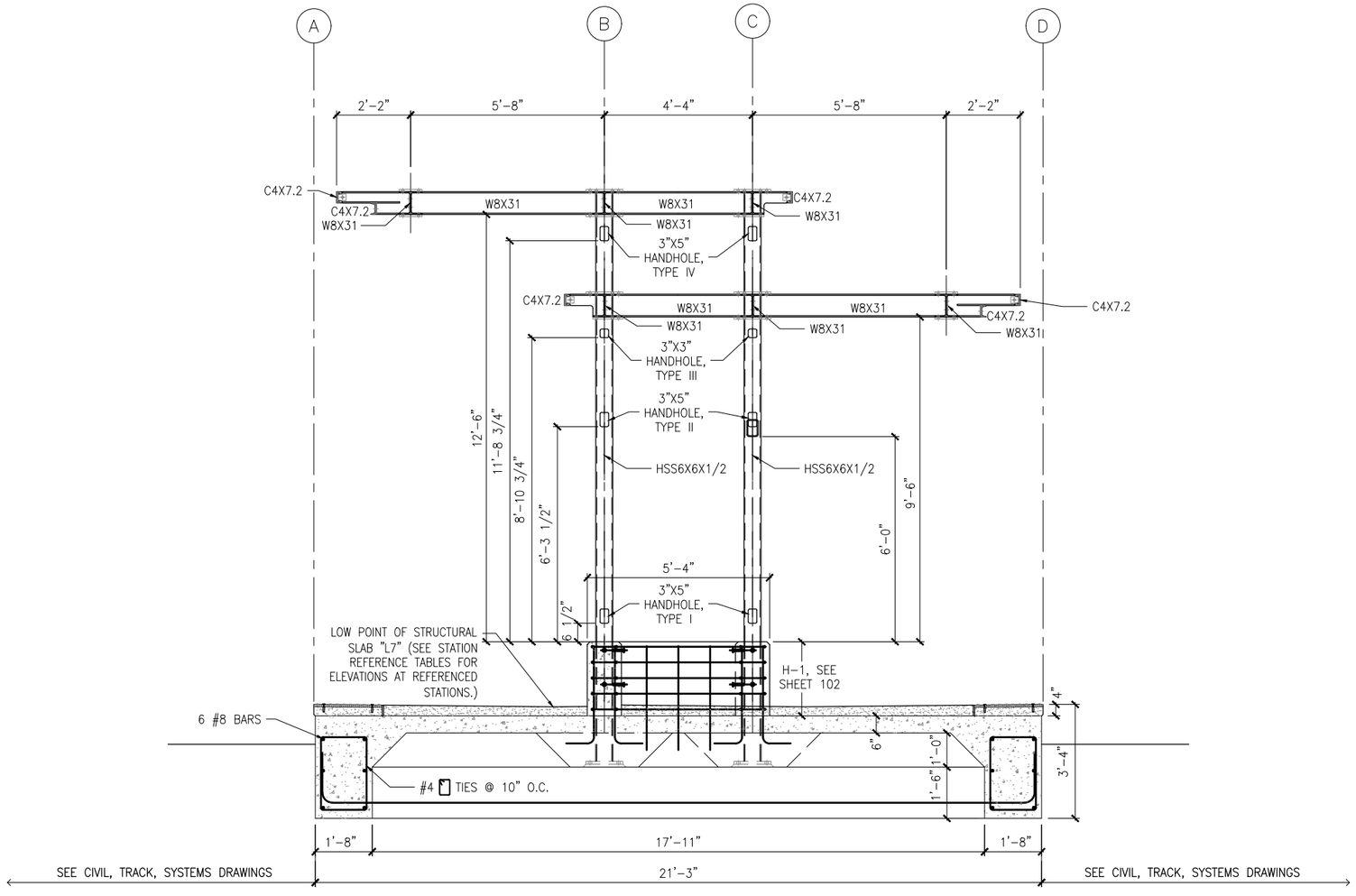
CIVIL - VOLUME 11C
BLAKE STATION
TYPICAL PLATFORM SECTION

DISCIPLINE: STRUCTURES

SHEET NAME: E1-BLK-STR-SCT-300

SHEET 115 OF 510

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1 TYPICAL PLATFORM SECTION

SCALE:1/4"=1'-0"

0 1 2 4 SCALE

TYPICAL AT COL. LINES 4, 5, 9, 10, 12, 14, 15, 19, 20
HSS4X6 LOCATED ON COL. LINE B BETWEEN COLUMNS 3-4, 5-6, 9-10, 13-14, 15-16, 19-20
HSS4X6 LOCATED ON COL. LINE C BETWEEN COLUMNS 4-5, 8-9, 10-11, 14-15, 18-19, 20-21
HSS4X6 NOT INSTALLED AT COL. LINE 12
SEE PLN FOR LOCATION OF CONC FDN WALL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

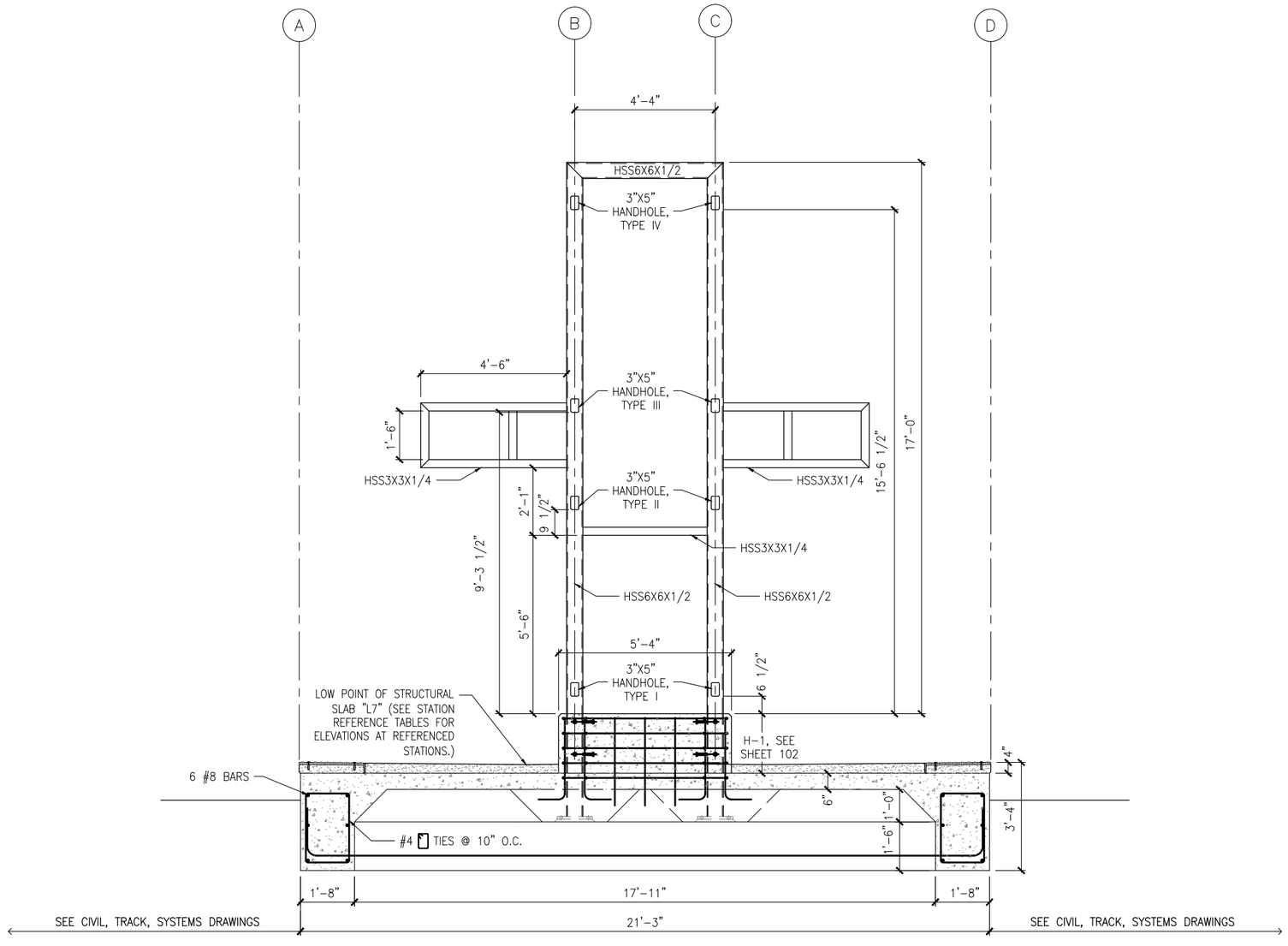
CIVIL - VOLUME 11C
BLAKE STATION
TYPICAL PLATFORM SECTION

DISCIPLINE: STRUCTURES

SHEET NAME: E1-BLK-STR-SCT-301

SHEET 116 OF 510

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1 TYPICAL PLATFORM SECTION AT WICKET

SCALE:1/4"=1'-0"
TYPICAL AT COL. LINES 2,7,17,22
VMS SUPPORTS AT COL. LINES 7 & 17

0 1 2 4
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST
Green Line LRT Extension

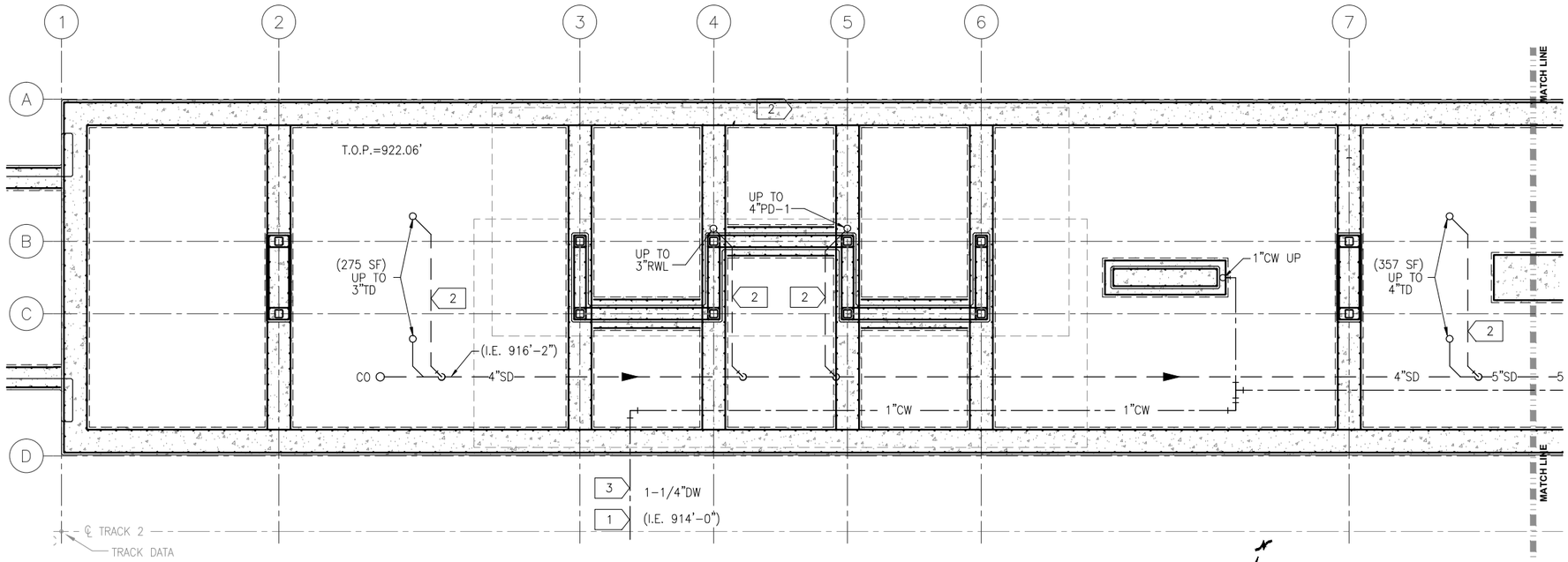
CIVIL - VOLUME 11C
BLAKE STATION
TYPICAL PLATFORM SECTION

SHEET 117 OF 510

DISCIPLINE: STRUCTURES

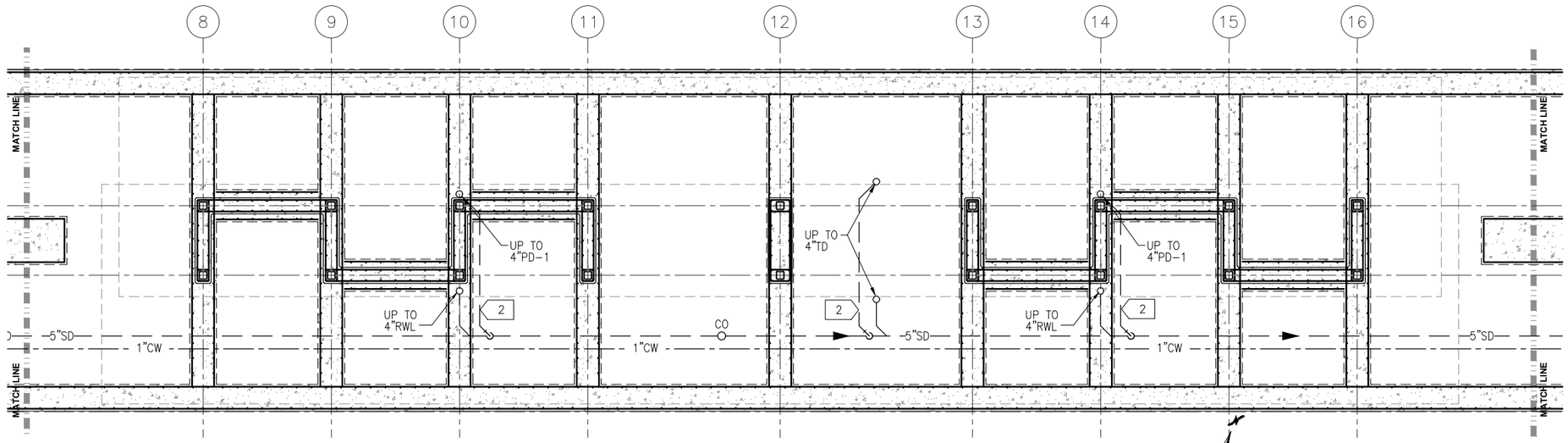
SHEET NAME: E1-BLK-STR-SCT-302

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1 WEST UNDERFLOOR PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 MIDDLE UNDERFLOOR PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
C. MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
D. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF HEIGHTS AND LAYOUT.
E. REFER TO PLUMBING DETAIL XXX AND VOLUME 7 FOR WATER METER LOCATION AND ENCLOSURE REQUIREMENTS.
F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES:

1 EXTEND WATER AND STORM OUTSIDE GUIDEWAY. CONNECTION BY OUTDOOR UTILITY CONTRACTOR.

2 ROUTE PIPING ABOVE DUCT BANK. DROP DOWN TO CONNECT TO MAIN.

3 1-1/4" COLD WATER PIPED FROM DRIVER AMENTITY.

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90% SUBMISSION - 01/22/16

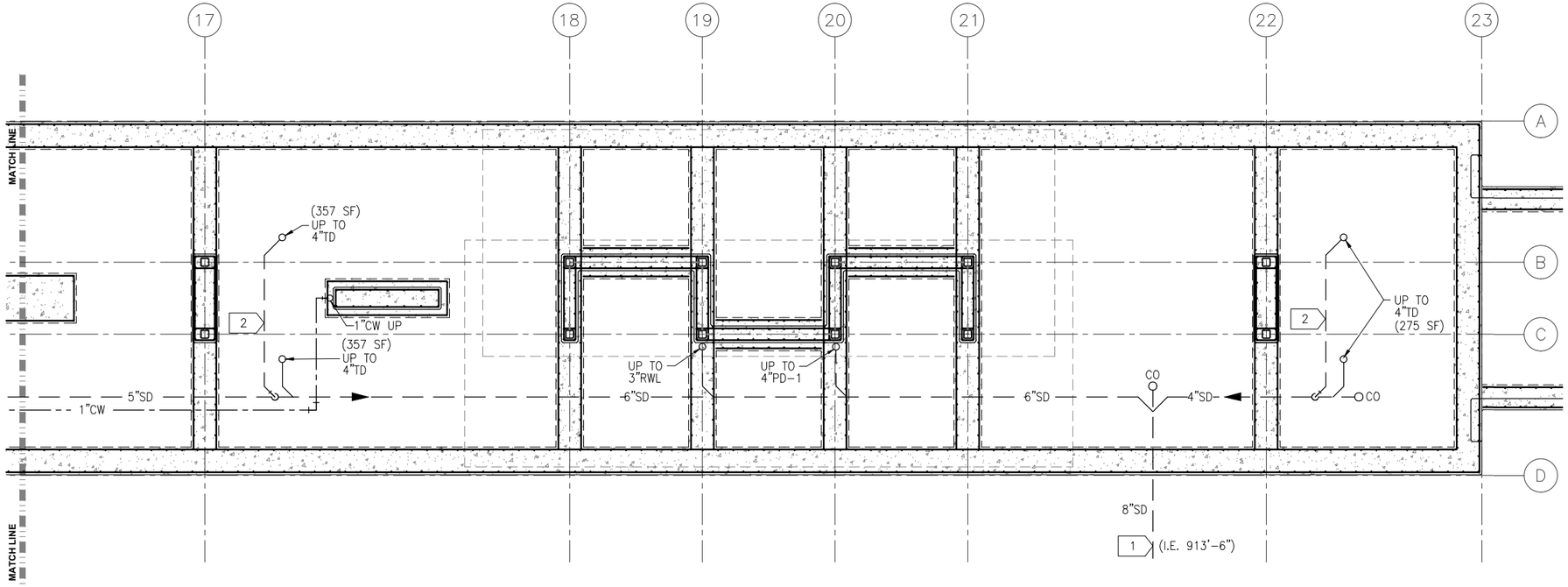
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BLAKE STATION
WEST AND MIDDLE PARTIAL UNDERFLOOR PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E1-BLK-PLM-PLN-100

SHEET 118 OF 510

Jan, 16 2016 02:58 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\MECHANICAL\BLAKE STATION\E1-BLK-PLM-PLN-100.dwg By: craig



1 EAST UNDERFLOOR PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
C. MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
D. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF HEIGHTS AND LAYOUT.
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G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES:

1 EXTEND WATER AND STORM OUTSIDE GUIDEWAY. CONNECTION BY OUTDOOR UTILITY CONTRACTOR.

2 ROUTE PIPING ABOVE DUCT BANK. DROP DOWN TO CONNECT TO MAIN.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM
LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

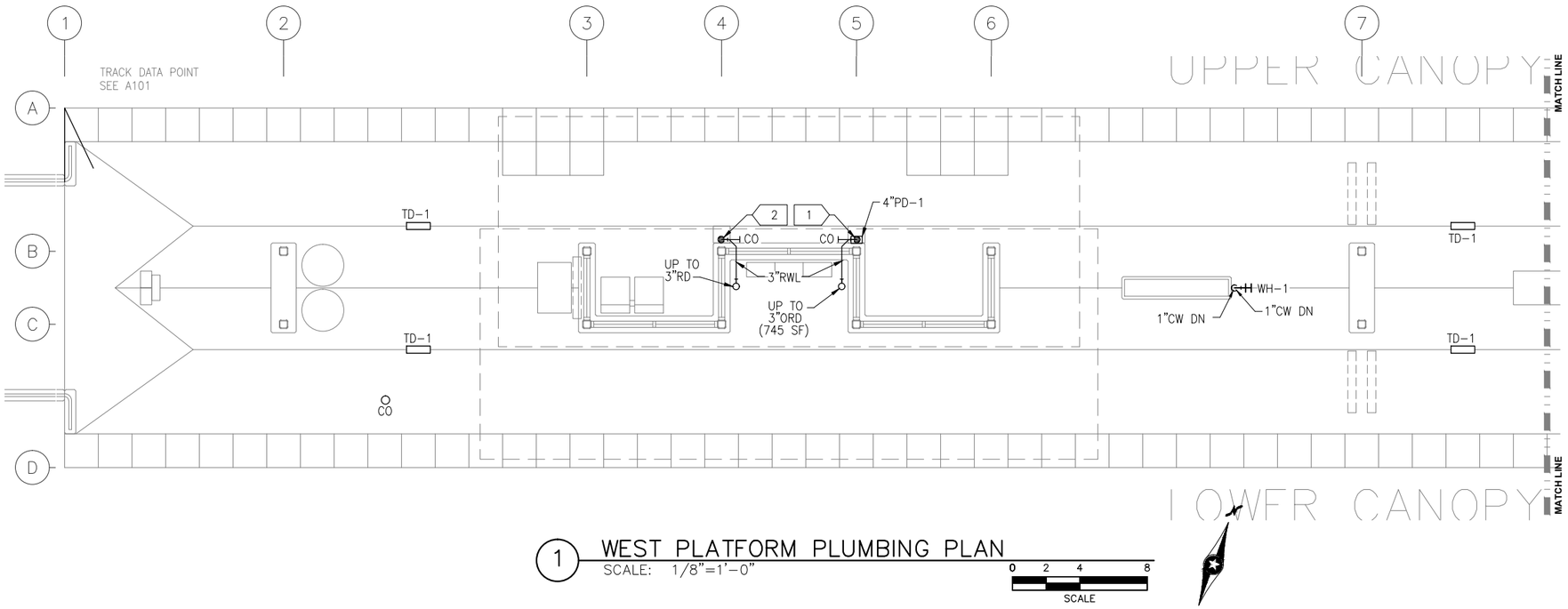
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METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BLAKE STATION
EAST PARTIAL UNDERFLOOR PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E1-BLK-PLM-PLN-101

SHEET 119 OF 510



1 WEST PLATFORM PLUMBING PLAN

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

2 MIDDLE PLATFORM PLUMBING PLAN

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
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D. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF HEIGHTS AND LAYOUT.
E. REFER TO PLUMBING DETAIL XXX AND VOLUME 7 FOR WATER METER LOCATION AND ENCLOSURE REQUIREMENTS.
F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES

1 3"ORD RWL'S DOWN TO 4"PD-1.

2 3"ø RWL DOWN TO BELOW PLATFORM.

3 4"ø RWL DOWN TO BELOW PLATFORM.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

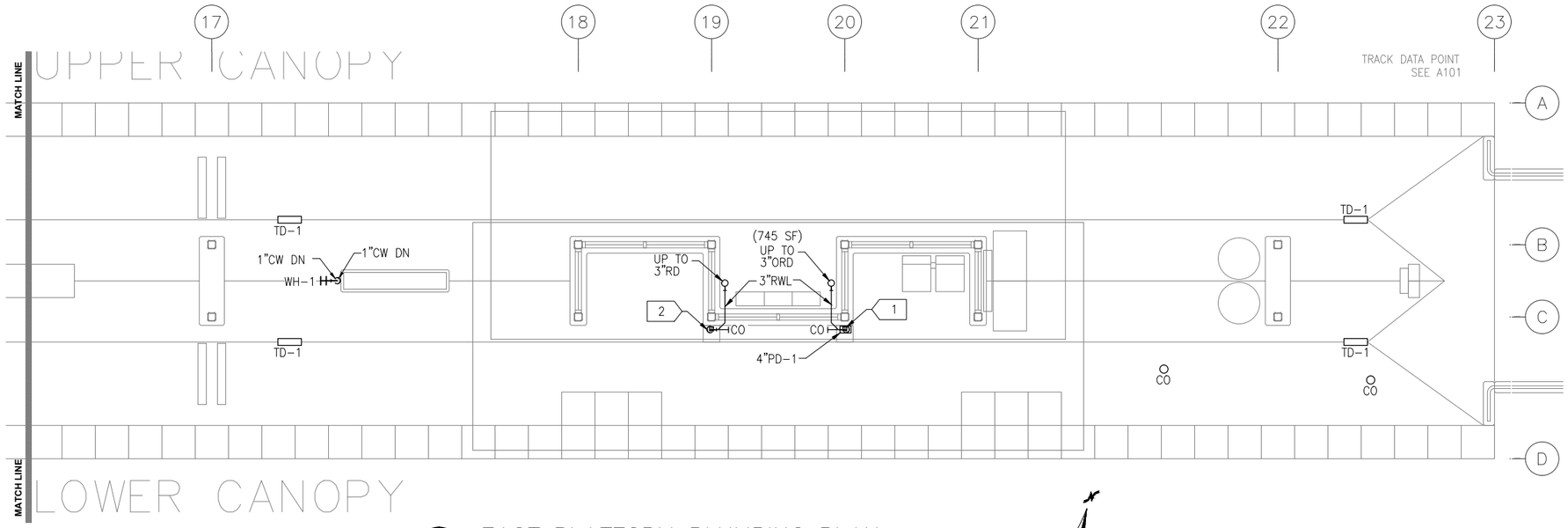
CIVIL - VOLUME 11C
BLAKE STATION
WEST AND MIDDLE PARTIAL PLUMBING PLAN

DISCIPLINE: PLUMBING

SHEET NAME: E1-BLK-PLM-PLN-110

SHEET 120 OF 510

Jan, 16 2016 02:58 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\MECHANICAL\BLAKE



1 EAST PLATFORM PLUMBING PLAN

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

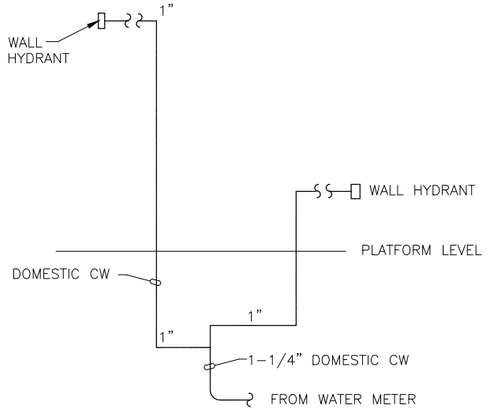
PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
C. MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
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E. REFER TO PLUMBING DETAIL XXX AND VOLUME 7 FOR WATER METER LOCATION AND ENCLOSURE REQUIREMENTS.
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G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES

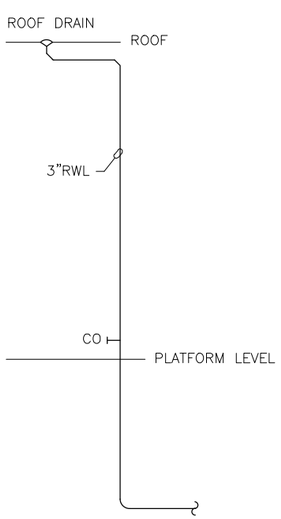
1 3"ORD RWL'S DOWN TO 4"PD-1.

2 3"ø RWL DOWN TO BELOW PLATFORM.



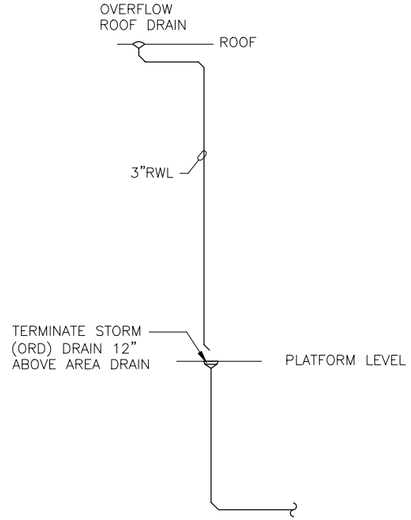
2/111 DOMESTIC WATER RISER DIAGRAM

NO SCALE



1/111 TYPICAL ROOF DRAIN DIAGRAM

NO SCALE



2/111 TYPICAL OVERFLOW ROOF DRAIN DIAGRAM

NO SCALE

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LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

90% SUBMISSION - 01/22/16

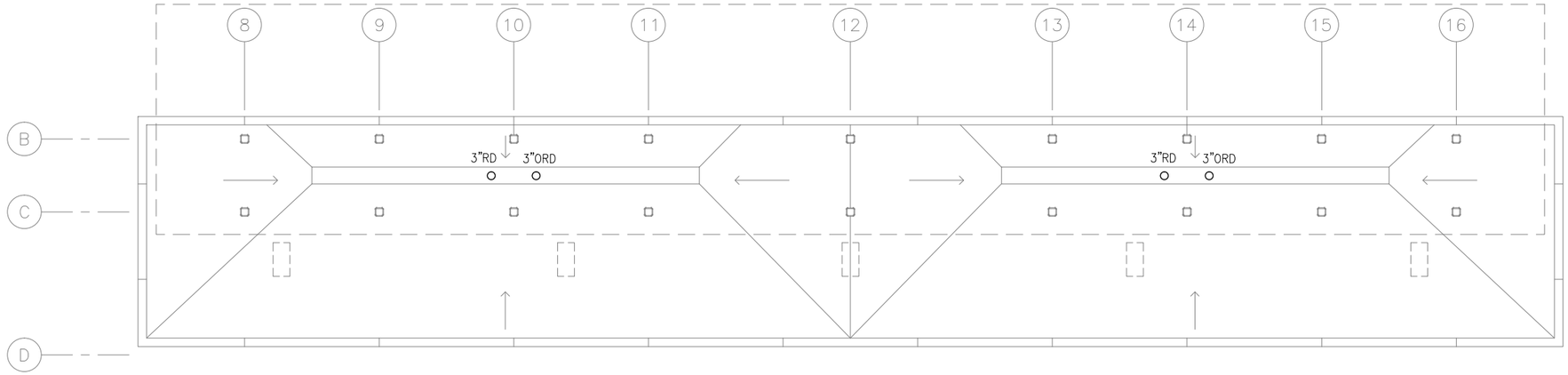
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BLAKE STATION
EAST PARTIAL PLUMBING PLAN AND RISER DIAGRAMS

DISCIPLINE: PLUMBING
SHEET NAME: E1-BLK-PLM-PLN-111

SHEET 121 OF 510

Jan, 16 2016 02:58 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\MECHANICAL\BLAKE STATION\E1-BLK-PLM-PLN-111.dwg By: craig

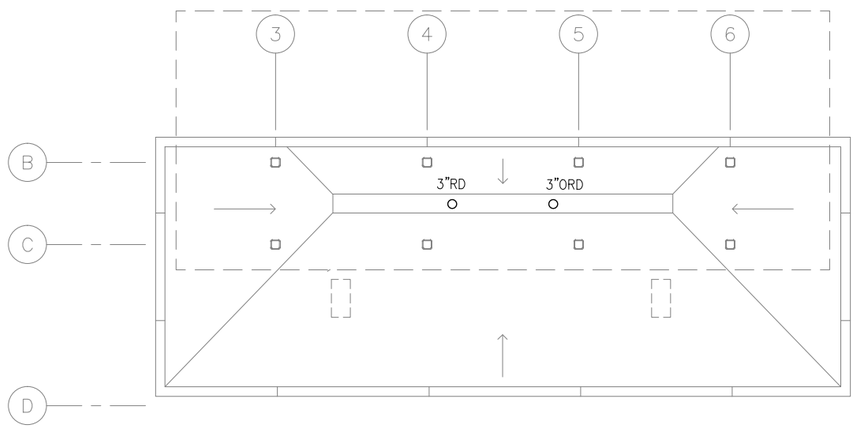


1 MIDDLE ROOF PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

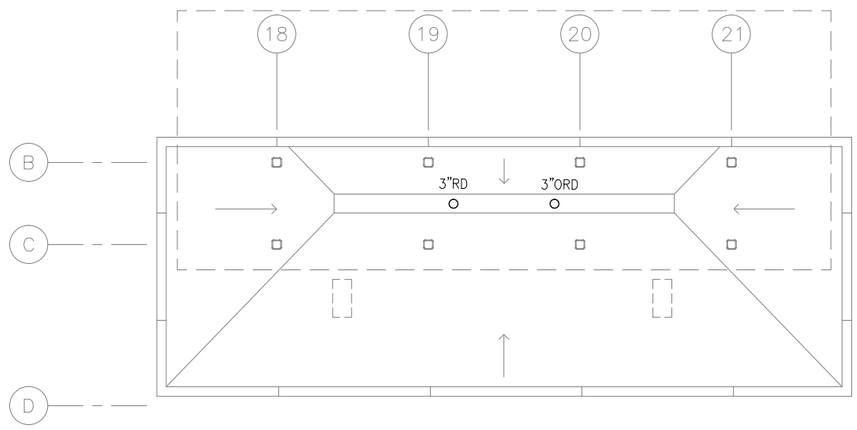
PLUMBING GENERAL NOTES

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B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
C. MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
D. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF HEIGHTS AND LAYOUT.
E. REFER TO PLUMBING DETAIL XXX AND VOLUME 7 FOR WATER METER LOCATION AND ENCLOSURE REQUIREMENTS.
F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.



2 WEST ROOF PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



3 EAST ROOF PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

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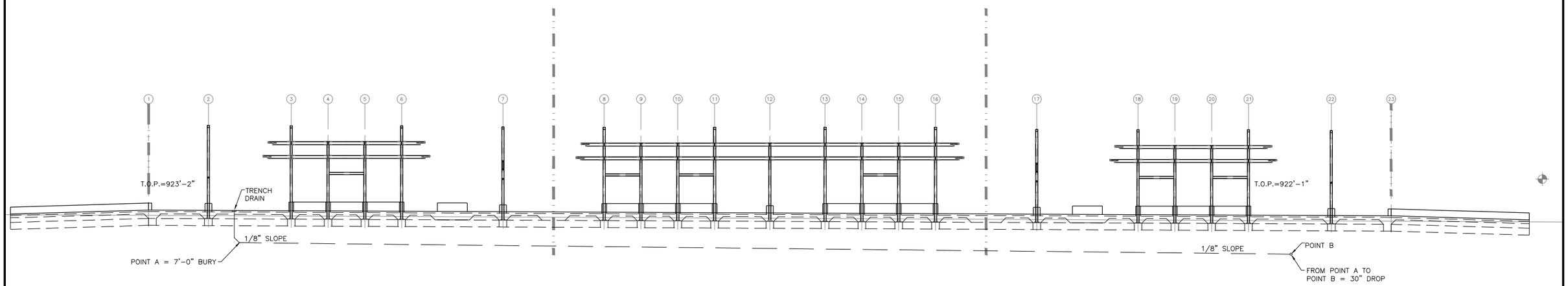
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BLAKE STATION
LOWER ROOF PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E1-BLK-PLM-PLN-120

SHEET 122 OF 510

Jan, 16 2016 02:58 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\MECHANICAL\BLAKE STATION\E1-BLK-PLM-PLN-120.dwg By: craig



1 PLUMBING SECTION
SCALE: 3/64"=1'-0"

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

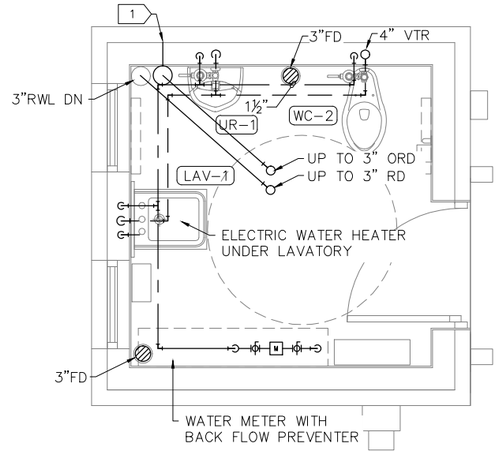
CIVIL - VOLUME 11C
BLAKE STATION
TYPICAL PLATFORM PLUMBING SECTION

DISCIPLINE: PLUMBING

SHEET NAME: E1-BLK-PLM-SCT-201

SHEET 123 OF 510

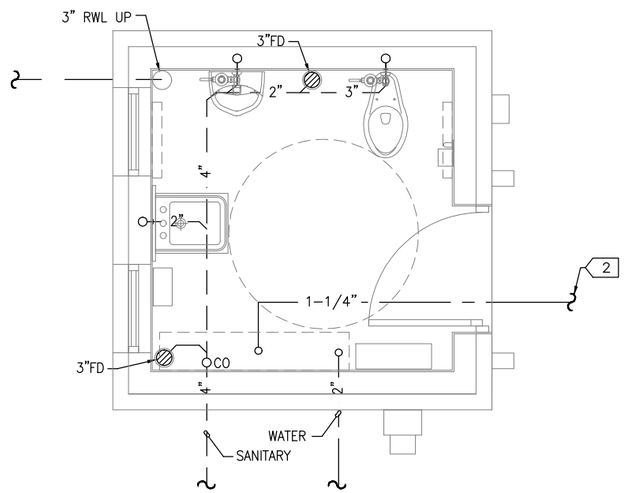
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1 ABOVE FLOOR PLUMBING PLAN

SCALE: 1/4"=1'-0"

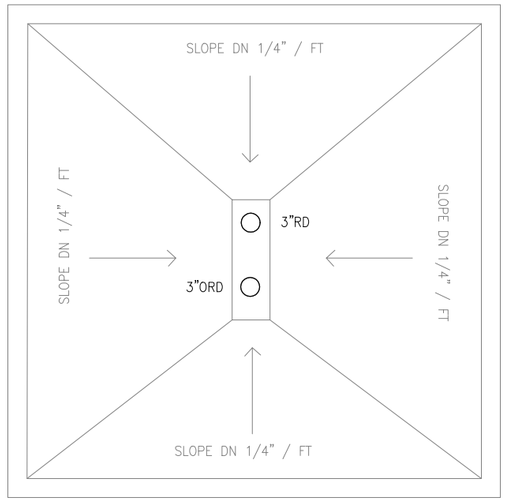
0 2 4 8
SCALE



2 UNDERFLOOR PLUMBING PLAN

SCALE: 1/4"=1'-0"

0 2 4 8
SCALE



3 ROOF PLUMBING PLAN

SCALE: 1/4"=1'-0"

0 2 4 8
SCALE

PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
C. MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
D. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF HEIGHTS AND LAYOUT.
E. REFER TO PLUMBING DETAIL XXX AND VOLUME 7 FOR WATER METER LOCATION AND ENCLOSURE REQUIREMENTS.
F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES

1 3"ø RWL DOWN TO DISCHARGE NOZZLE.

2 1-1/4" COLD WATER TO PLATFORM 8'-0" BURY.

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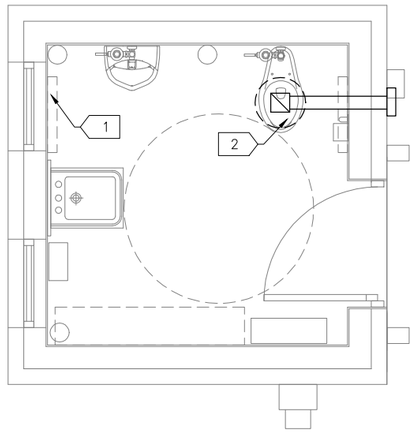
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BLAKE STATION
DRIVER AMENITIES PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E1-BLK-PLM-PLN-250

SHEET 124 OF 510

Jan, 16 2016 02:59 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\MECHANICAL\BLAKE STATION\E1-BLK-PLM-PLN-250.dwg By: craig



1 MECHANICAL PLAN
SCALE: 1/4"=1'-0"

0 2 4 8
SCALE

MECHANICAL GENERAL NOTES

A. SECURELY SUSPEND HVAC EQUIPMENT FROM STRUCTURE AND PROVIDE VIBRATION ISOLATION. REFER TO STRUCTURAL DRAWINGS FOR LIMITATIONS.
B. PROVIDE MANUAL BALANCING DAMPERS FOR ALL SUPPLY AIR OUTLETS AND WHERE INDICATED ON BRANCH DUCTWORK.
C. PROVIDE DUCT ACCESS PANELS AT LOCATIONS OF ALL MOTORIZED DAMPERS AND FIRE DAMPERS.
D. PROVIDE FLEXIBLE DUCT CONNECTIONS AT ALL DUCTWORK TO MECHANICAL EQUIPMENT CONNECTIONS.
E. MAINTAIN REQUIRED CLEARANCES DIRECTLY OVER AND IN FRONT OF ALL ELECTRICAL EQUIPMENT.
F. MAINTAIN REQUIRED CLEARANCES AT ALL MECHANICAL EQUIPMENT.
G. RUN DUCTWORK AS HIGH AS POSSIBLE.
H. INLET VENTILATION AIR DUCTWORK SHALL BE INSULATED FULL LENGTH.
I. PROVIDE CEILING ACCESS PANELS AT MANUAL VOLUME DAMPERS AND FAN ACCESS.
J. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION FOR GRILLES, REGISTERS, AND DIFFUSERS.

MECHANICAL KEY NOTES:

1 ELECTRIC WALL HEATER EUH-3.

2 CEILIING MOUNTED EXHAUST FAN WITH 4"ø DISCHARGE TO WALL CAP. INTERLOCK EXHAUST FAN WITH OVERHEAD LIGHT. TIME DELAY EXHAUST FAN SHUT-OFF.

Jan. 16 2016 02:58 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\MECHANICAL\BLAKE STATION\E1-BLK-MEC-PLN-250.dwg By: craig

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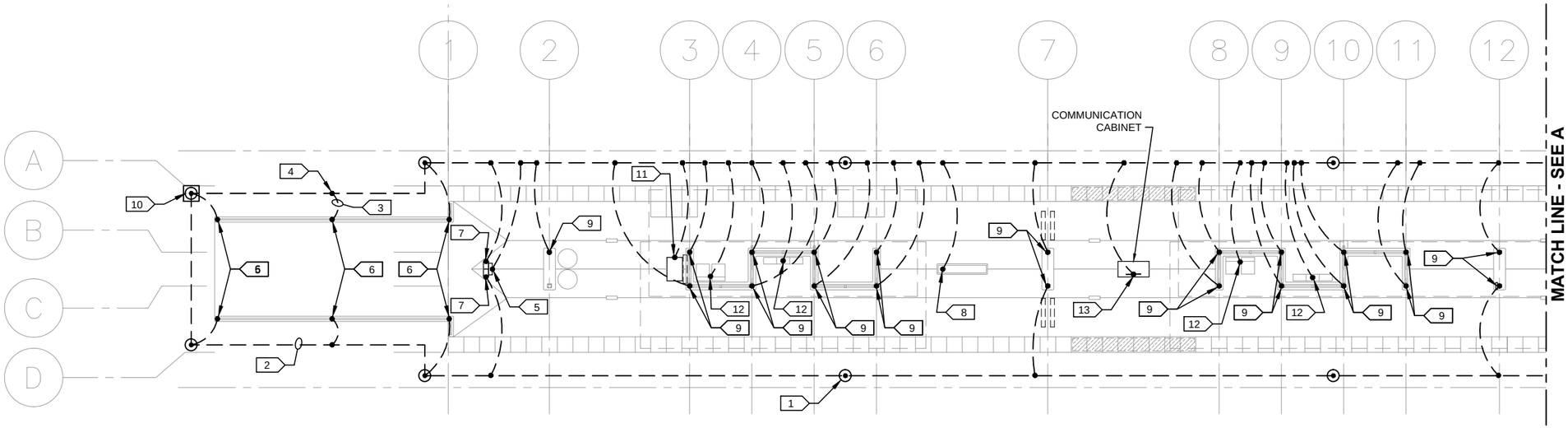
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BLAKE STATION
DRIVER AMENITIES MECHANICAL PLAN

DISCIPLINE: MECHANICAL

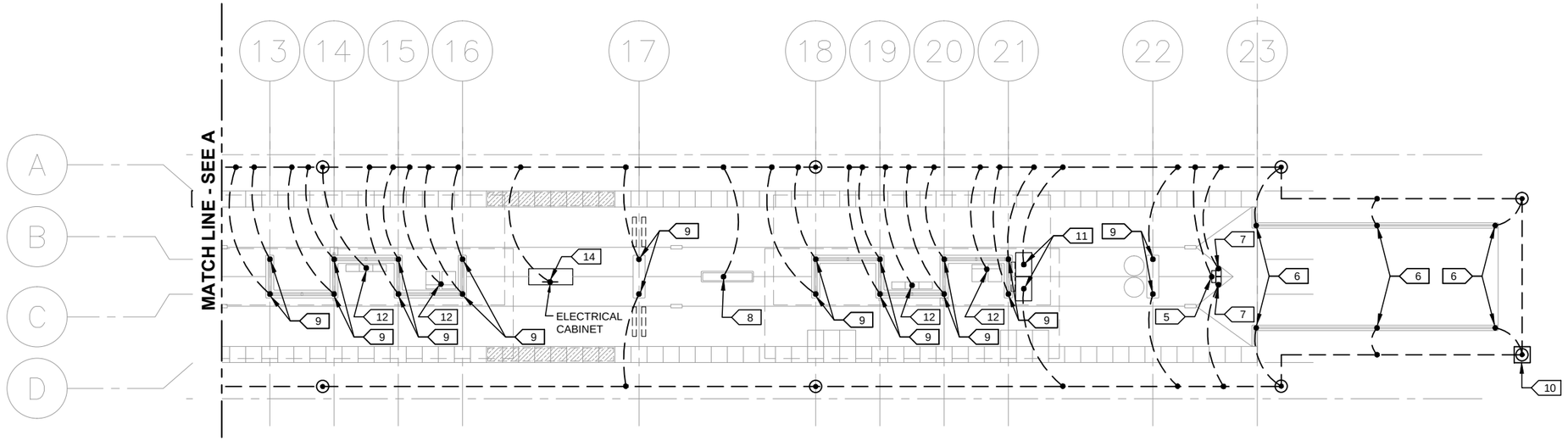
SHEET NAME: E1-BLK-MEC-PLN-250

SHEET 125 OF 510



1 PARTIAL PLATFORM PLAN

SCALE: 1/16"=1'-0"



2 PARTIAL PLATFORM PLAN

SCALE: 1/16"=1'-0"

KEYNOTES:

1. GROUND ROD, TYPICAL.
2. GROUND LOOP, TYPICAL.
3. GEC, TYPICAL.
4. EXOTHERMIC WELD, TYPICAL.
5. GEC CONNECTION TO RIDER ALERT PANEL.
6. GEC CONNECTION TO RAILING POST.
7. GEC CONNECTION TO RSV.
8. GEC CONNECTION TO KIOSK.
9. GEC CONNECTION TO COLUMN.
10. GROUND TEST WELL.
11. GEC CONNECTION TO TVM.
12. GEC CONNECTION TO SEAT OR LEAN RAIL.
13. GEC CONNECTION TO COMMUNICATIONS CABINET GROUND BUS.
14. #3/0 GEC CONNECTION TO ELECTRICAL ENCLOSURE GROUND BUS.

GENERAL NOTES:

1. ALL METALLIC OBJECTS SHALL BE GROUNDED AND THE GROUNDING PLAN IS INTENDED TO DEMONSTRATE THE GROUNDING OF THE PLATFORM, GUIDEWAY AND EQUIPMENT WITHIN THE VICINITY. OBJECTS NOT SHOWN GROUNDED DOES RELIEVE THE CONTRACTOR FROM THE DESIGN INTENT.
2. GROUND LOOP SHALL BE #3/0 BARE COPPER. LOOP SHALL BE INSTALLED 48" BELOW GRADE OR 6" BELOW THE FROST LINE, WHICHEVER IS GREATER. GROUND LOOP IS SHOWN DIAGRAMMATICALLY. INSTALL GROUND LOOP UNDER PLATFORM PERIMETER TO PROTECT FROM WORK PERFORMED OUTSIDE THE PLATFORM LIMITS BY OTHER TRADES. GROUND TEST WELLS SHALL REMAIN ACCESSIBLE AS SHOWN.
3. GROUNDING ELECTRODE CONDUCTORS (GEC) SHALL BE #2/0 BARE COPPER UNLESS NOTED OTHERWISE.
4. ALL EXOTHERMIC WELDS TO COLUMNS, TVM'S, RSV'S, SEATS, LEAN RAILS AND EQUIPMENT CABINETS SHALL BE ABOVE GRADE AND VISIBLE. PAINT WELDS TO MATCH SURFACE COLOR. VERIFY COLOR WITH CAR.
5. INSTALL GROUND ROD SO THAT 8-FT IS BELOW THE FROST LINE.
6. IF RAILING HAS AN ISOLATION GAP, JUMPER BETWEEN GAPS WITH GEC.

0 4 8 16

HORIZONTAL SCALE IN FEET

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Green Line LRT Extension

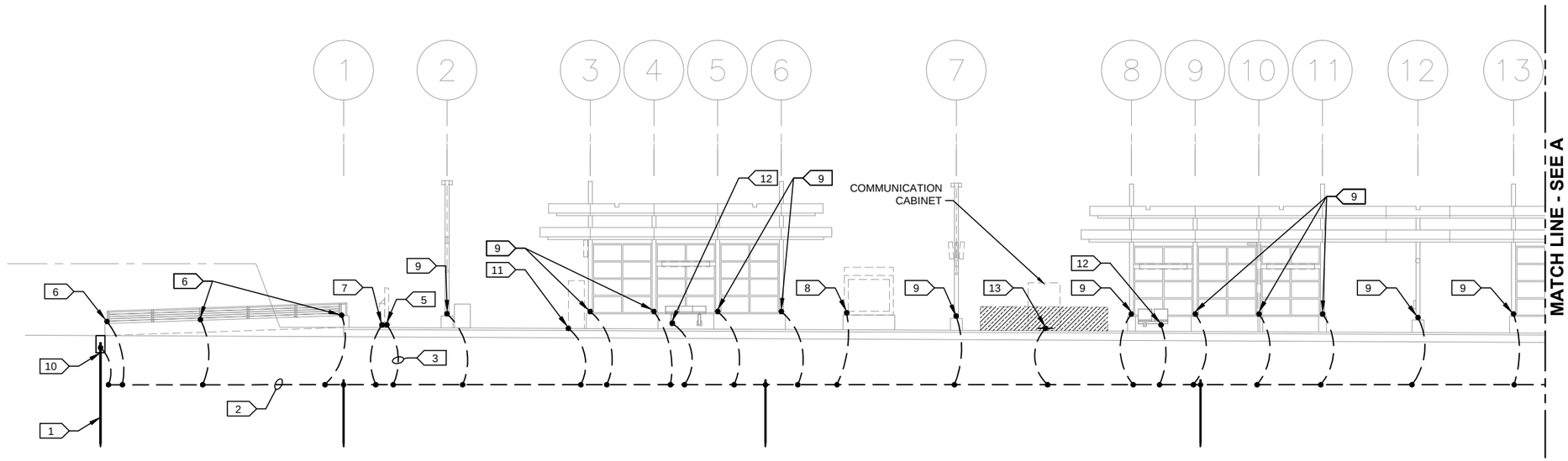
CIVIL - VOLUME 11C
BLAKE STATION
ELECTRICAL
GROUNDING PLAN

DISCIPLINE: ELECTRICAL

SHEET NAME: E1-BLK-ELE-PLN-201

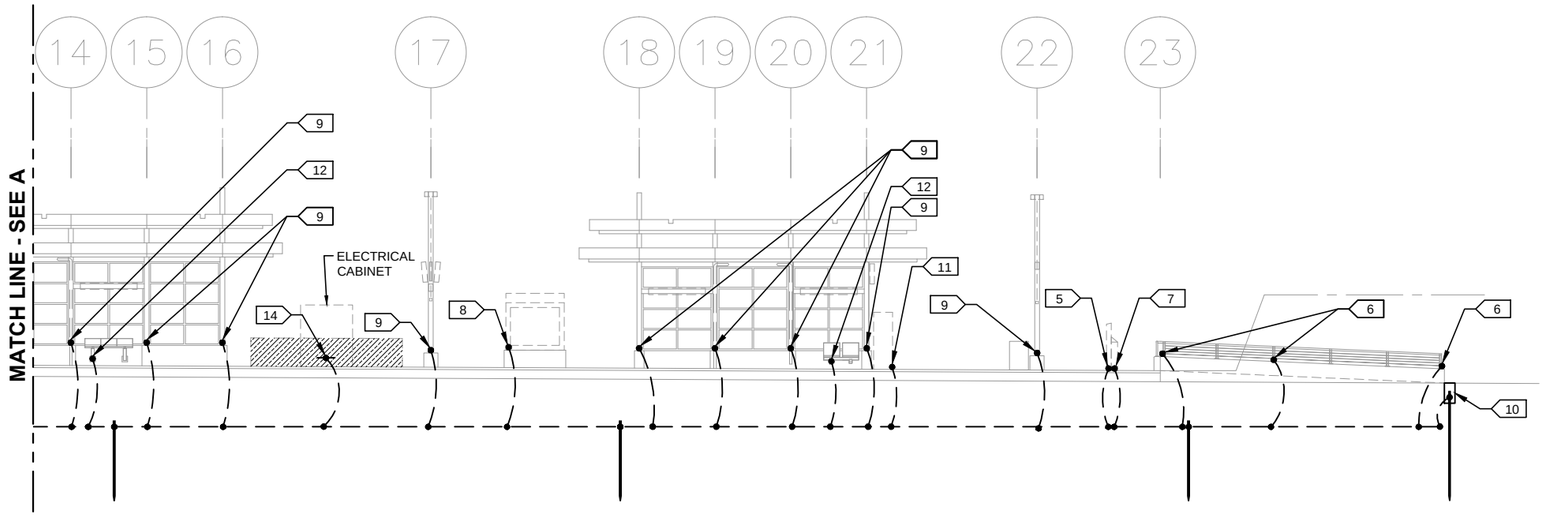
SHEET 126 OF 510

Jan, 18 2016 10:45 am V:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-BLK-ELE-PLN-201.dwg By: FergTK



1 PARTIAL PLATFORM ELEVATION

SCALE: 1/16"=1'-0"



2 PARTIAL PLATFORM ELEVATION

SCALE: 1/16"=1'-0"

KEYNOTES:

1. GROUND ROD, TYPICAL.
2. GROUND LOOP, TYPICAL.
3. GEC, TYPICAL.
4. EXOTHERMIC WELD, TYPICAL.
5. GEC CONNECTION TO RIDER ALERT PANEL.
6. GEC CONNECTION TO RAILING POST.
7. GEC CONNECTION TO RSV.
8. GEC CONNECTION TO KIOSK.
9. GEC CONNECTION TO COLUMN.
10. GROUND TEST WELL.
11. GEC CONNECTION TO TVM.
12. GEC CONNECTION TO SEAT OR LEAN RAIL.
13. GEC CONNECTION TO COMMUNICATIONS CABINET GROUND BUS.
14. #3/0 GEC CONNECTION TO ELECTRICAL ENCLOSURE GROUND BUS.

GENERAL NOTES:

1. ALL METALLIC OBJECTS SHALL BE GROUNDED AND THE GROUNDING PLAN IS INTENDED TO DEMONSTRATE THE GROUNDING OF THE PLATFORM, GUIDEWAY AND EQUIPMENT WITHIN THE VICINITY. OBJECTS NOT SHOWN GROUNDED DOES RELIEVE THE CONTRACTOR FROM THE DESIGN INTENT.
2. GROUND LOOP SHALL BE #3/0 BARE COPPER. LOOP SHALL BE INSTALLED 48" BELOW GRADE OR 6" BELOW THE FROST LINE, WHICHEVER IS GREATER. GROUND LOOP IS SHOWN DIAGRAMMATICALLY. INSTALL GROUND LOOP UNDER PLATFORM PERIMETER TO PROTECT FROM WORK PERFORMED OUTSIDE THE PLATFORM LIMITS BY OTHER TRADES. GROUND TEST WELLS SHALL REMAIN ACCESSIBLE AS SHOWN.
3. GROUNDING ELECTRODE CONDUCTORS (GEC) SHALL BE #2/0 BARE COPPER UNLESS NOTED OTHERWISE.
4. ALL EXOTHERMIC WELDS TO COLUMNS, TVM'S, RSV'S, SEATS, LEAN RAILS AND EQUIPMENT CABINETS SHALL BE ABOVE GRADE AND VISIBLE. PAINT WELDS TO MATCH SURFACE COLOR. VERIFY COLOR WITH CAR.
5. INSTALL GROUND ROD SO THAT 8-FT IS BELOW THE FROST LINE.
6. IF RAILING HAS AN ISOLATION GAP, JUMPER BETWEEN GAPS WITH GEC.

0 4 8 16

HORIZONTAL SCALE IN FEET

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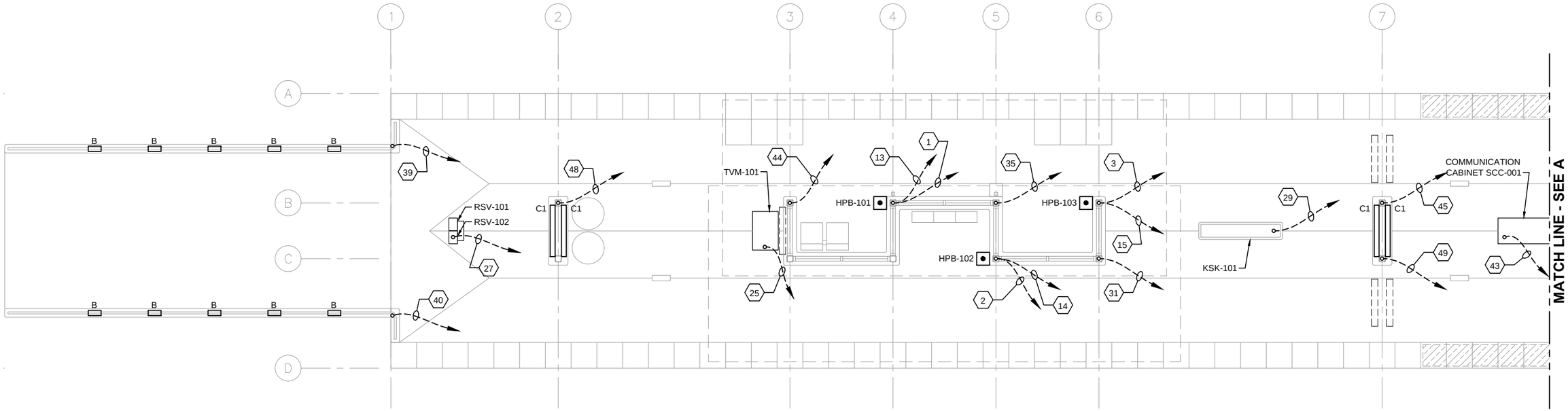
CIVIL - VOLUME 11C
BLAKE STATION
ELECTRICAL
GROUNDING ELEVATION

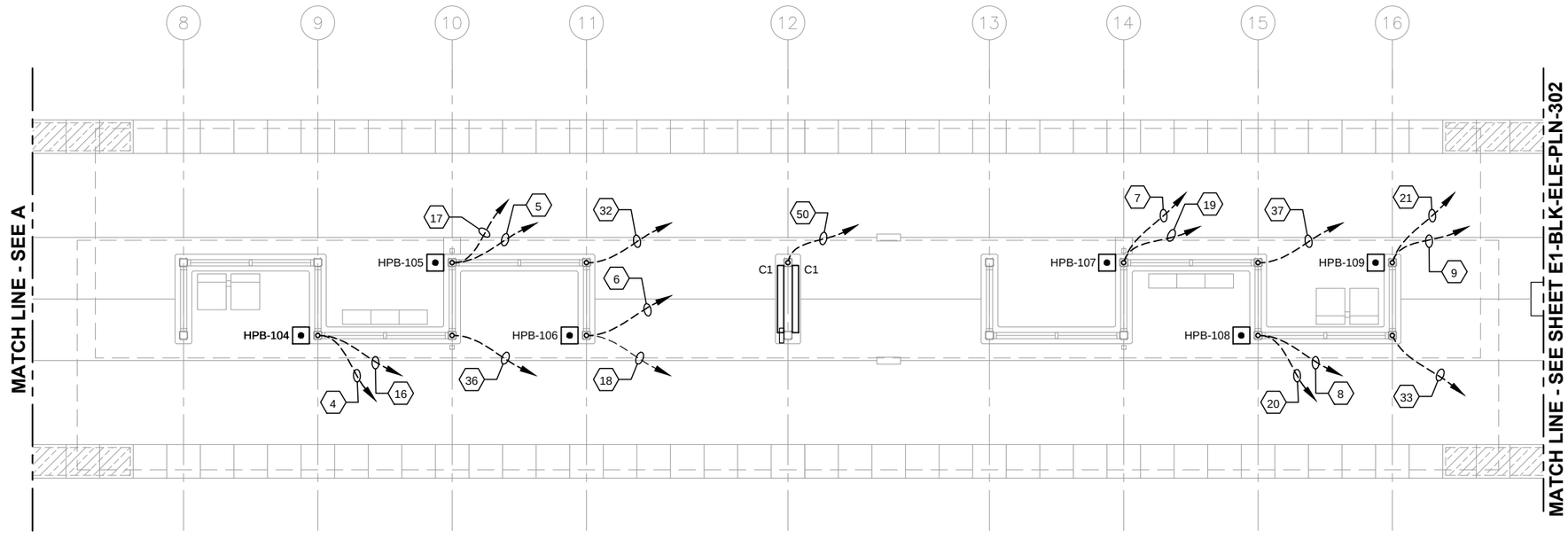
DISCIPLINE: ELECTRICAL

SHEET NAME: E1-BLK-ELE-ELV-202

SHEET 127 OF 510

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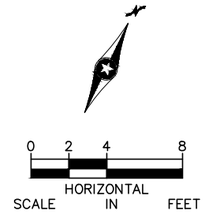


1 PLATFORM PLAN

SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. ALL IN SLAB CONDUITS SHALL BE STUBBED UP A MINIMUM OF 8" AFF INTO COLUMNS, POSTS, BOTTOM OF TVM'S AND BOTTOM OF RSV'S.
2. AT CONDUIT STUB-UPS TRANSITION TO 1/2" LFMC FOR PUSH BUTTON CONTROL WIRING AND 3/4" LFMC FOR THE REMAINING.
3. SEE CONDUIT AND WIRE SCHEDULE FOR FROM/TO ROUTING OF CONDUITS.



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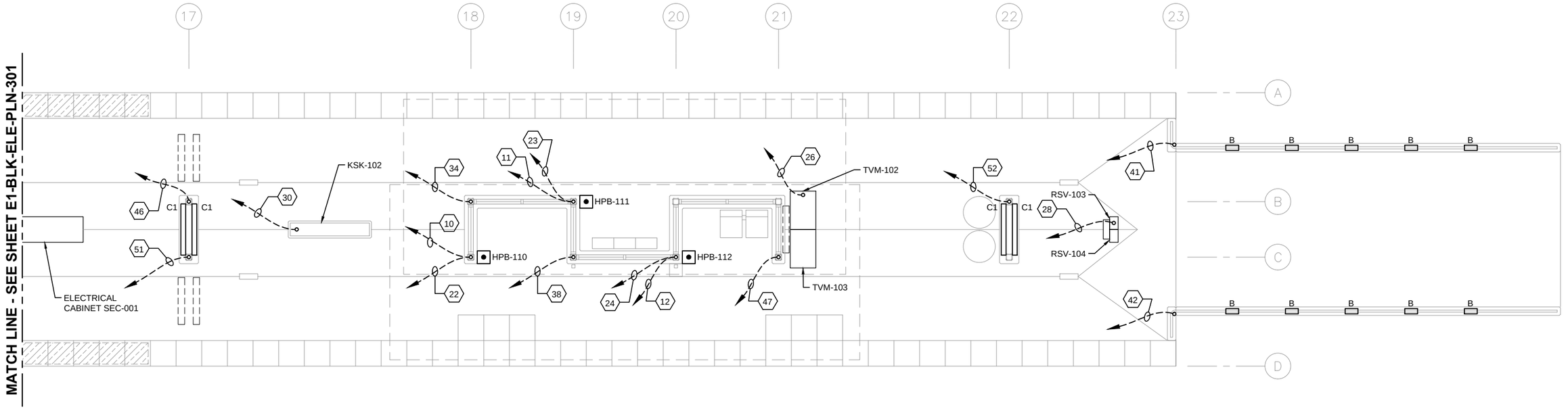
CIVIL - VOLUME 11C
BLAKE STATION
ELECTRICAL
UNDERSLAB CONDUIT PLAN (1 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E1-BLK-ELE-PLN-301

SHEET 128 OF 510

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1 PLATFORM PLAN

SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. ALL IN SLAB CONDUITS SHALL BE STUBBED UP A MINIMUM OF 8" AFF INTO COLUMNS, POSTS, BOTTOM OF TVM'S AND BOTTOM OF RSV'S.
2. AT CONDUIT STUB-UPS TRANSITION TO 1/2" LFMC FOR PUSH BUTTON CONTROL WIRING AND 3/4" LFMC FOR THE REMAINING.
3. SEE CONDUIT AND WIRE SCHEDULE FOR FROM/TO ROUTING OF CONDUITS.

0 2 4 8
HORIZONTAL SCALE IN FEET

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SOUTHWEST Green Line LRT Extension

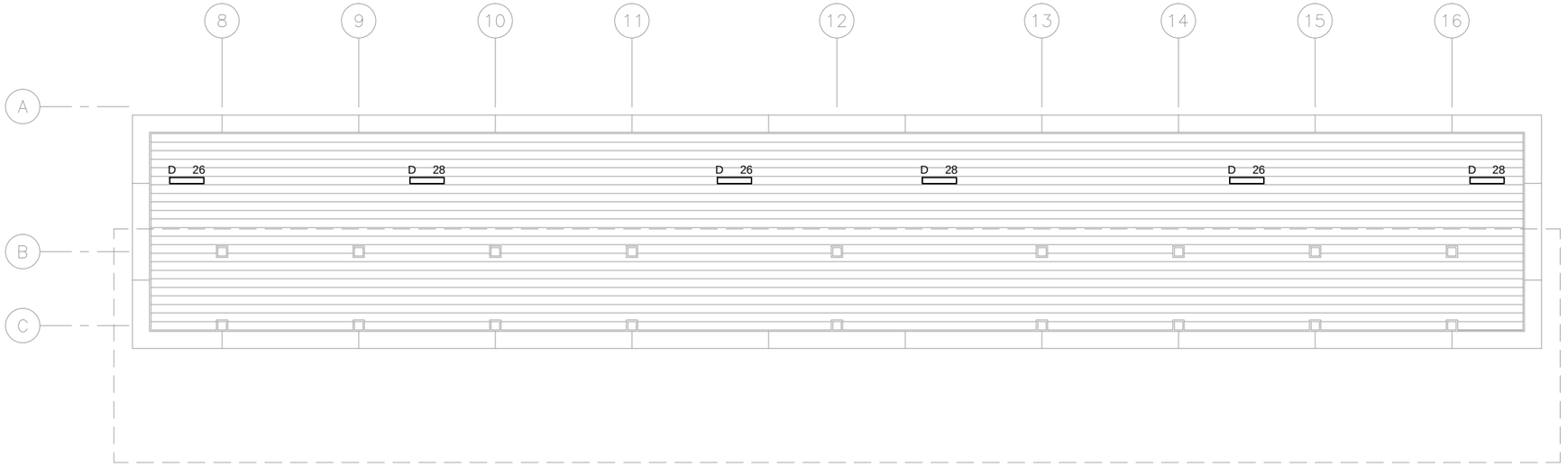
CIVIL - VOLUME 11C
BLAKE STATION
ELECTRICAL
UNDERSLAB CONDUIT PLAN (2 OF 2)

DISCIPLINE: ELECTRICAL

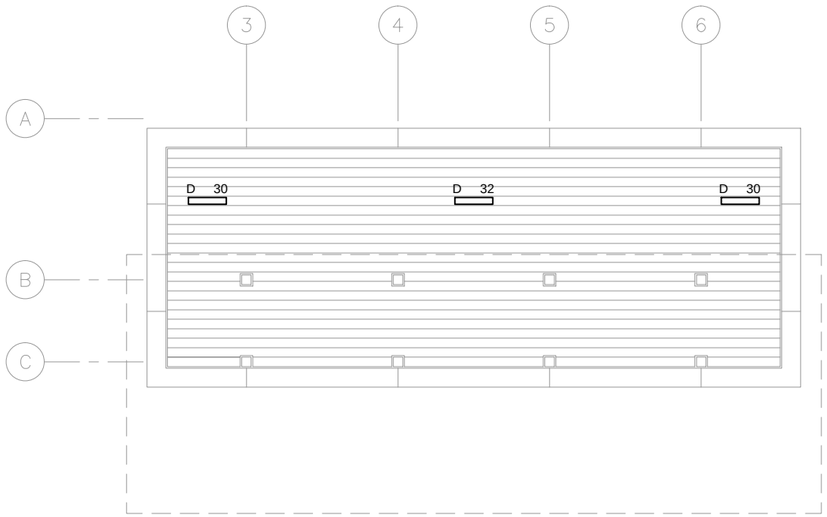
SHEET NAME: E1-BLK-ELE-PLN-302

SHEET 129 OF 510

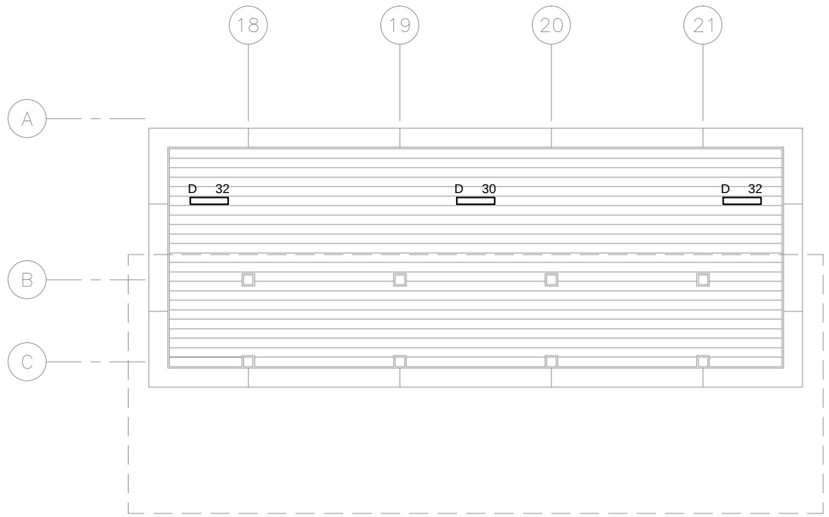
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1 TRACK 1 SIDE CANOPY PLAN – MIDDLE
SCALE: 1/8"=1'–0"



2 TRACK 1 SIDE CANOPY PLAN – WEST END
SCALE: 1/8"=1'–0"



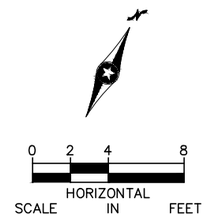
3 TRACK 1 SIDE CANOPY PLAN – EAST END
SCALE: 1/8"=1'–0"

GENERAL NOTES:

1. ALL LIGHTING SHOWN ON THIS SHEET SHALL BE RECESSED MOUNTED IN SOFFIT. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING DETAILS.
2. ALL CONDUIT FOR LIGHT AND TO VMS'S SHALL BE RUN CONCEALED WITHIN SOFFIT AREA.

KEYNOTES:

1.



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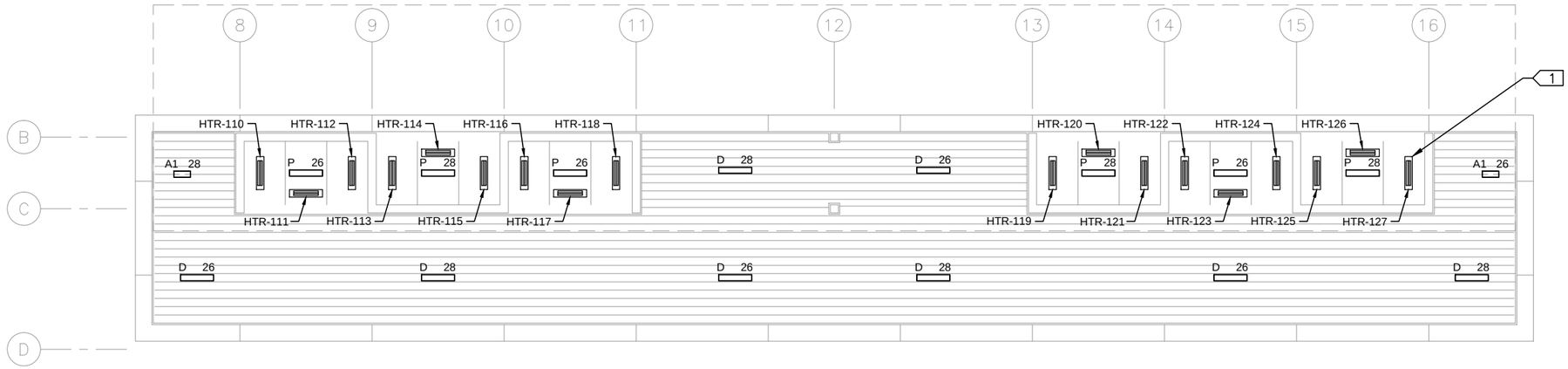
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BLAKE STATION
ELECTRICAL
CANOPY PLAN - TRACK 1 SIDE

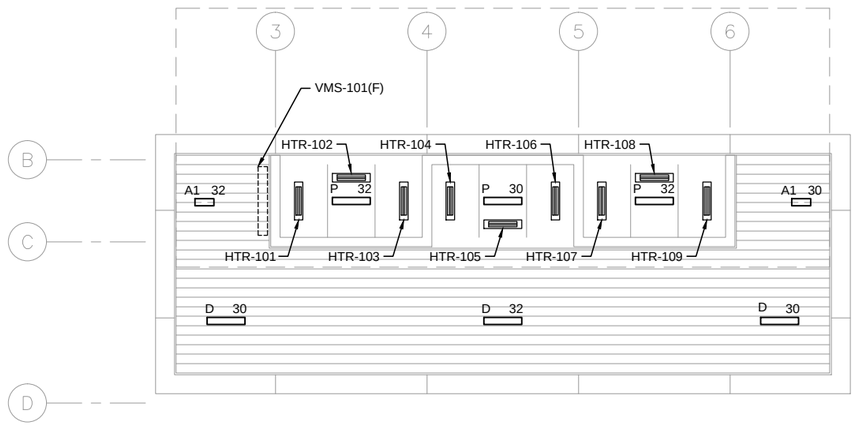
DISCIPLINE: ELECTRICAL
SHEET NAME: E1-BLK-ELE-PLN-303

SHEET 130 OF 510

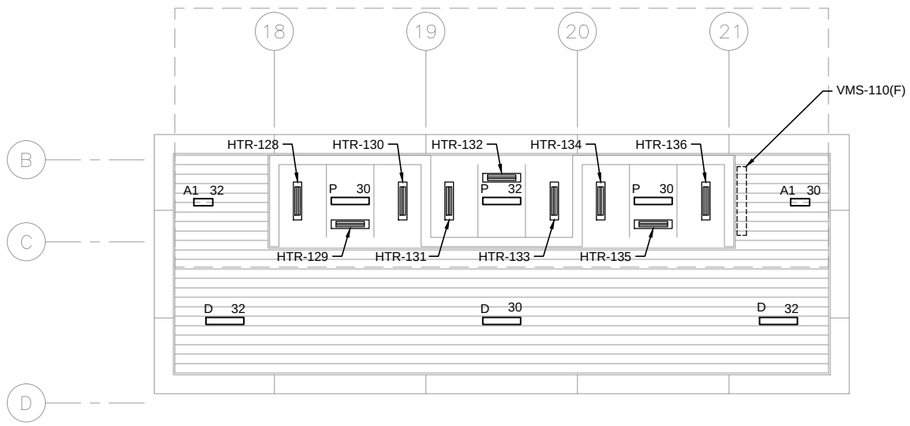
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1 TRACK 2 SIDE CANOPY PLAN – MIDDLE
SCALE: 1/8"=1'–0"



2 TRACK 2 SIDE CANOPY PLAN – WEST END
SCALE: 1/8"=1'–0"



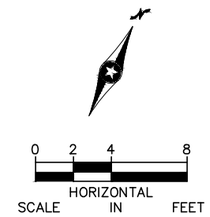
3 TRACK 2 SIDE CANOPY PLAN – EAST END
SCALE: 1/8"=1'–0"

GENERAL NOTES:

1. ALL LIGHTING SHOWN ON THIS SHEET SHALL BE RECESSED MOUNTED IN SOFFIT. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING DETAILS.
2. ALL CONDUIT FOR LIGHT AND TO VMS'S SHALL BE RUN CONCEALED WITHIN SOFFIT AREA.

KEYNOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR HEATER MOUNTING DETAILS.



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METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BLAKE STATION
ELECTRICAL
CANOPY PLAN - TRACK 2 SIDE

DISCIPLINE: ELECTRICAL
SHEET NAME: E1-BLK-ELE-PLN-304

SHEET 131 OF 510

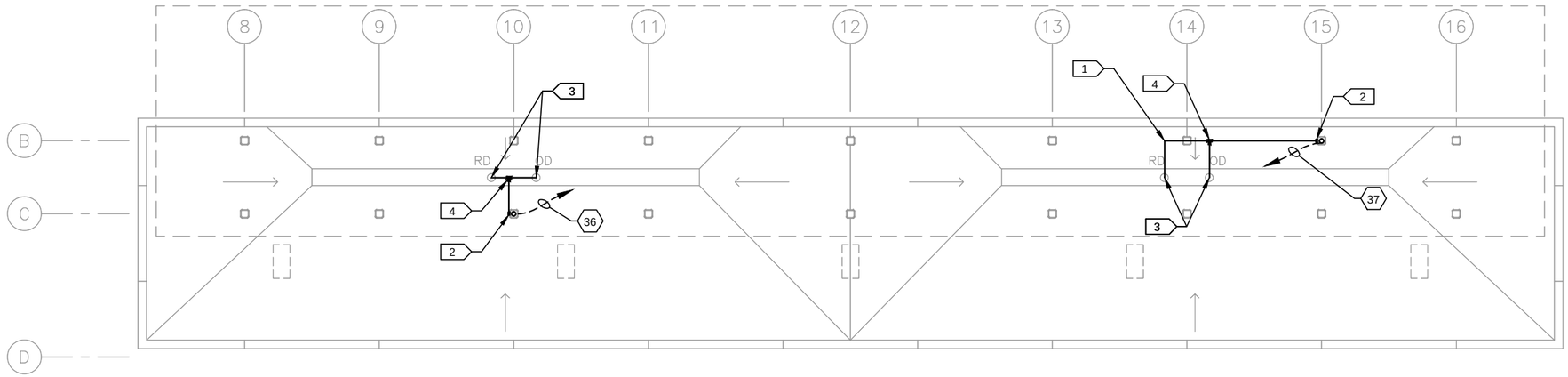
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GENERAL NOTES:

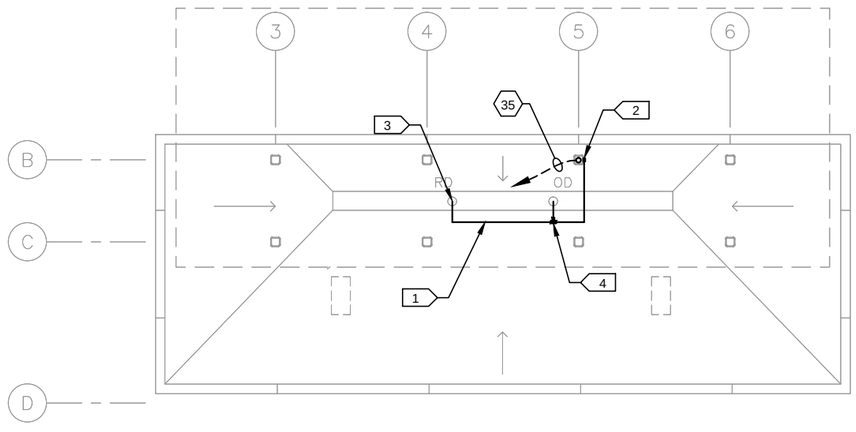
1. HEAT TRACE CONTROL PANEL LOCATED IN SEC-001.

KEYNOTES:

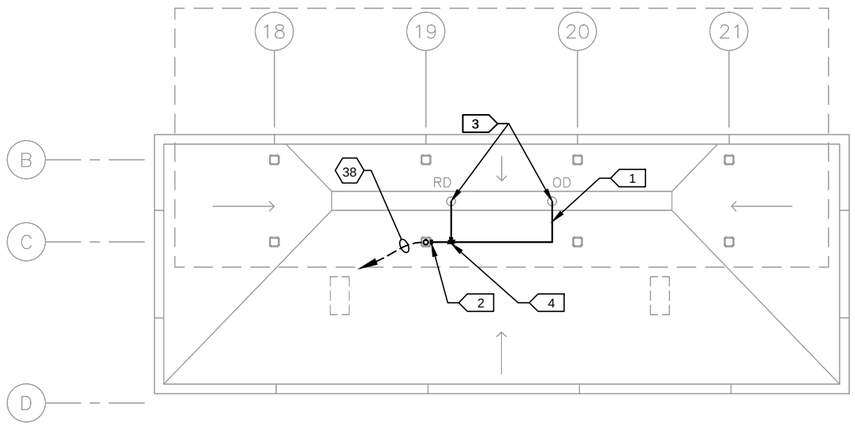
1. SELF REGULATING HEAT TRACE CABLE. ATTACH CABLE TO ROOF WITH CLIPS. COORDINATE CLIP REQUIREMENTS WITH ROOFING CONTRACTOR.
2. POWER CONNECTION KIT WITH DOUBLE HEAT TRACE CABLE CONNECTION. COORDINATE MOUNTING REQUIREMENTS WITH STRUCTURAL STEEL CONTRACTOR.
3. RUN HEAT TRACE DOWN RAIN WATER LEADER 6' BELOW FINISHED FLOOR, PROVIDE CABLE PROTECTION WHERE CABLE ENTERS DRAIN STRAINER.
4. HEAT TRACE SPLICE KIT.



1 ALTERNATE ROOF PLAN – MIDDLE LOWER CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE



2 ALTERNATE ROOF PLAN – WEST LOWER CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE



3 ALTERNATE ROOF PLAN – EAST LOWER CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE

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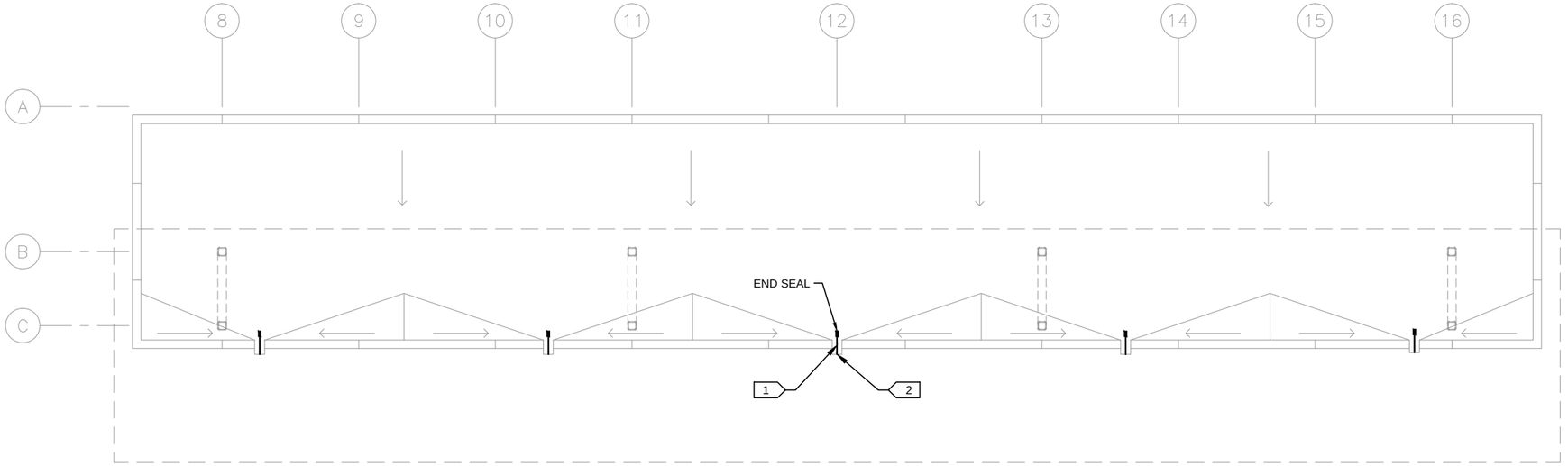
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BLAKE STATION
ELECTRICAL
HEAT TRACE PLAN

DISCIPLINE: ELECTRICAL
SHEET NAME: E1-BLK-ELE-PLN-311

SHEET 132 OF 510

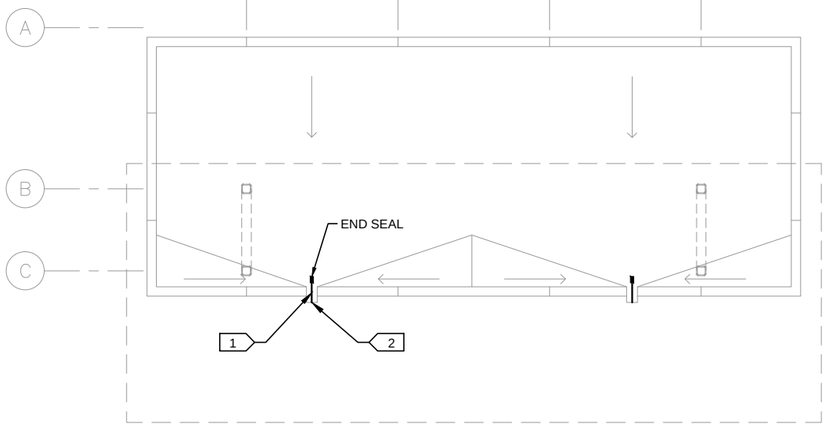
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1 ROOF PLAN – MIDDLE UPPER CANOPY

SCALE: 1/8"=1'-0"

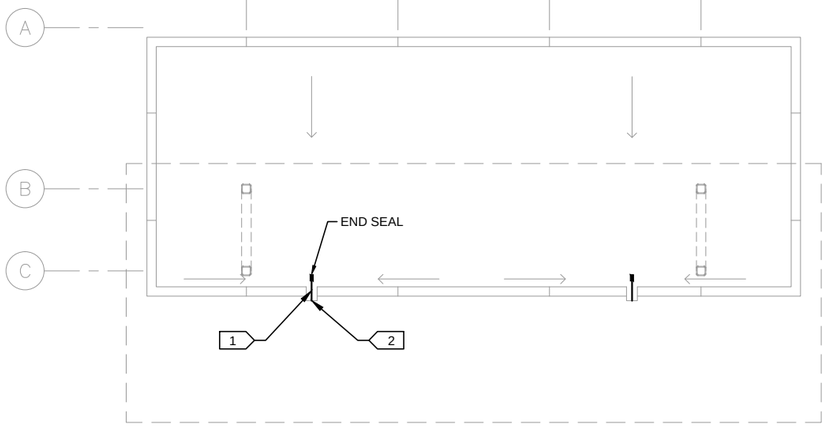
0 2 4 8
SCALE



2 ROOF PLAN – WEST UPPER CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



3 ROOF PLAN – EAST UPPER CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL NOTES:

1. HEAT TRACE CONTROL PANEL LOCATED IN SEC-001.

KEYNOTES:

1. SELF REGULATING HEAT TRACE CABLE. ATTACH CABLE TO ROOF WITH CLIPS. COORDINATE CLIP REQUIREMENTS WITH ROOFING CONTRACTOR.
2. RUN HEAT TRACE POWER CONNECTION BOX ABOVE LOWER CANOPY SCUPPER AT UPPER CANOPY. PROVIDE CABLE PROTECTION WHERE CABLE ENTERS SCUPPER.

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SOUTHWEST
Green Line LRT Extension

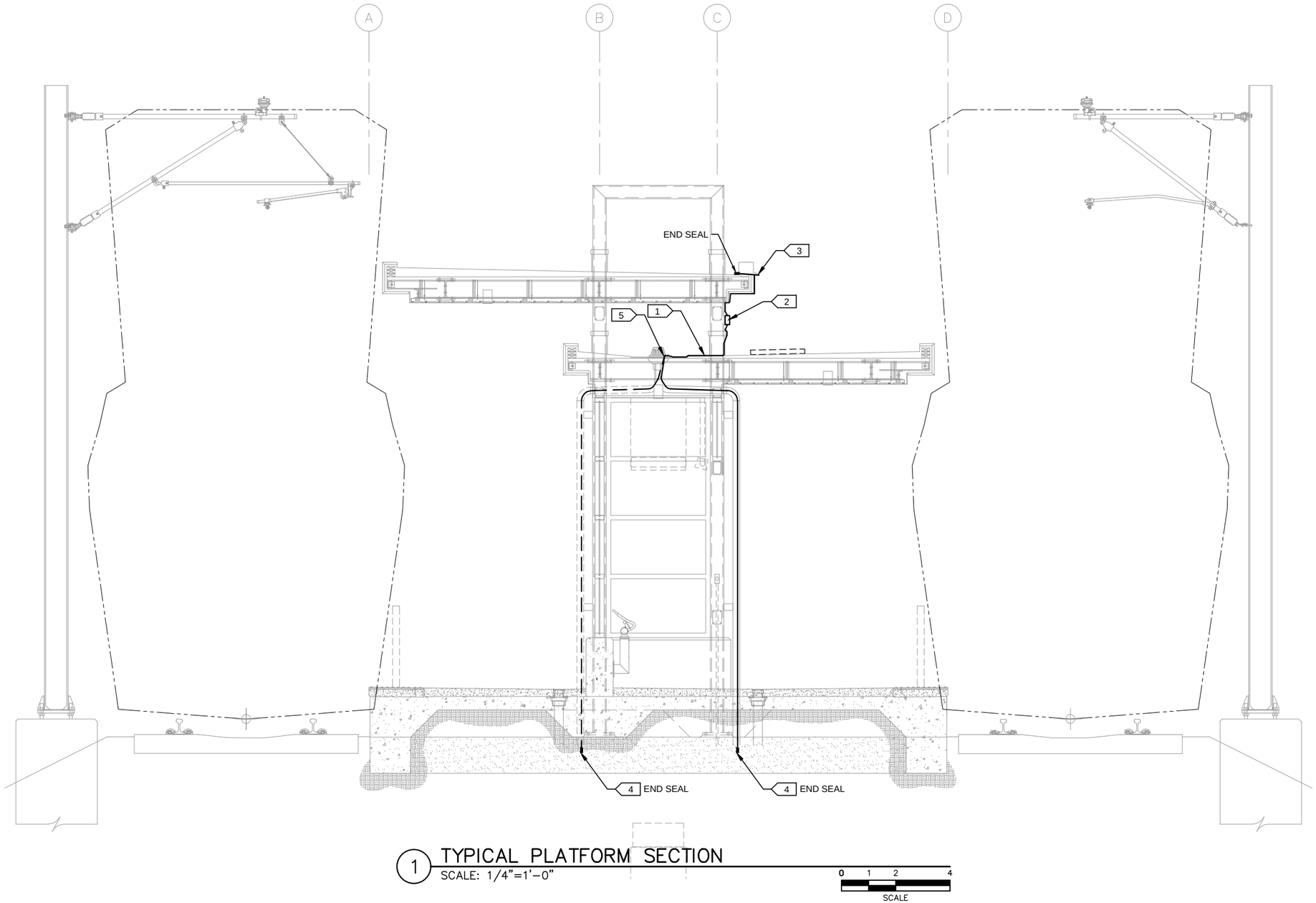
CIVIL - VOLUME 11C
BLAKE STATION
ELECTRICAL
HEAT TRACE PLAN

DISCIPLINE: ELECTRICAL

SHEET NAME: E1-BLK-ELE-PLN-312

SHEET 133 OF 510

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1 TYPICAL PLATFORM SECTION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

GENERAL NOTES:

1. HEAT TRACE CONTROL PANEL LOCATED IN SEC-001.
2. SEE HEAT TRACE PLAN FOR HEAT TRACE AT UPPER AND LOWER ROOFS.

KEYNOTES:

1. SELF REGULATING HEAT TRACE CABLE. ATTACH CABLE TO ROOF WITH CLIPS. COORDINATE CLIP REQUIREMENTS WITH ROOFING CONTRACTOR.
2. POWER CONNECTION KIT WITH DOUBLE HEAT TRACE CABLE CONNECTION, AS REQUIRED. COORDINATE MOUNTING REQUIREMENTS WITH STRUCTURAL STEEL CONTRACTOR.
3. RUN HEAT TRACE TO SCUPPER AT HIGH ROOF. PROVIDE CABLE PROTECTION WHERE CABLE ENTERS SCUPPER.
4. RUN HEAT TRACE DOWN RAIN WATER LEADER 6' BELOW FINISHED FLOOR.
5. PROVIDE CABLE PROTECTION WHERE CABLE ENTERS ROOF DRAIN STRAINERS.

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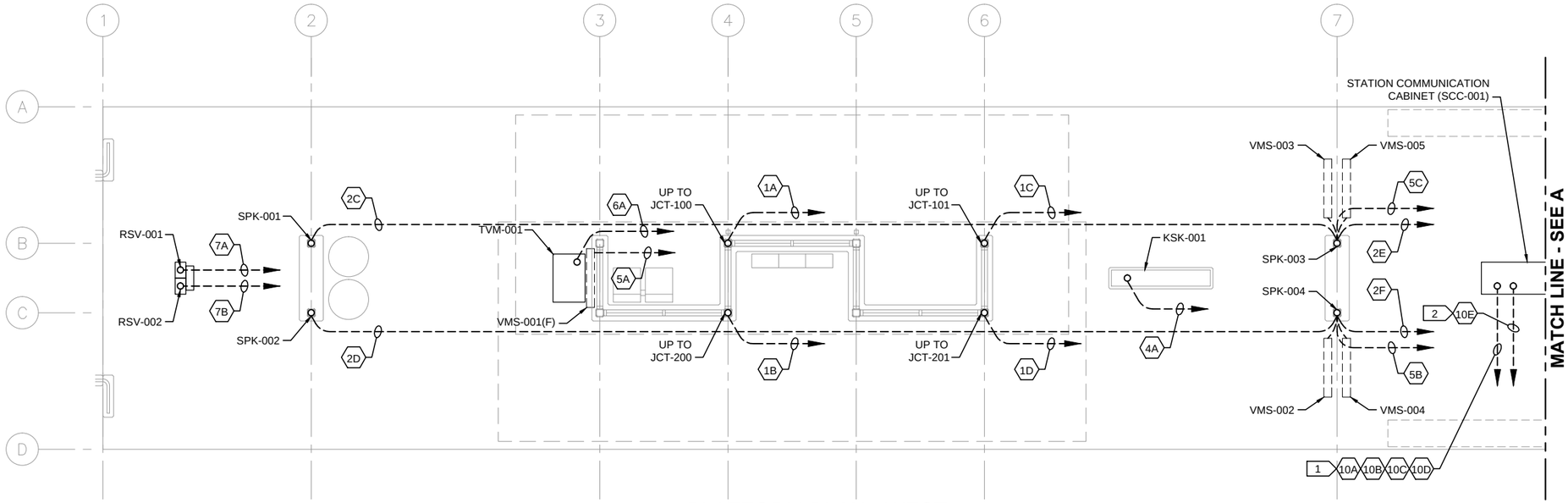
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BLAKE STATION
ELECTRICAL
HEAT TRACE ELEVATION

DISCIPLINE: ELECTRICAL
SHEET NAME: E1-BLK-ELE-ELV-321

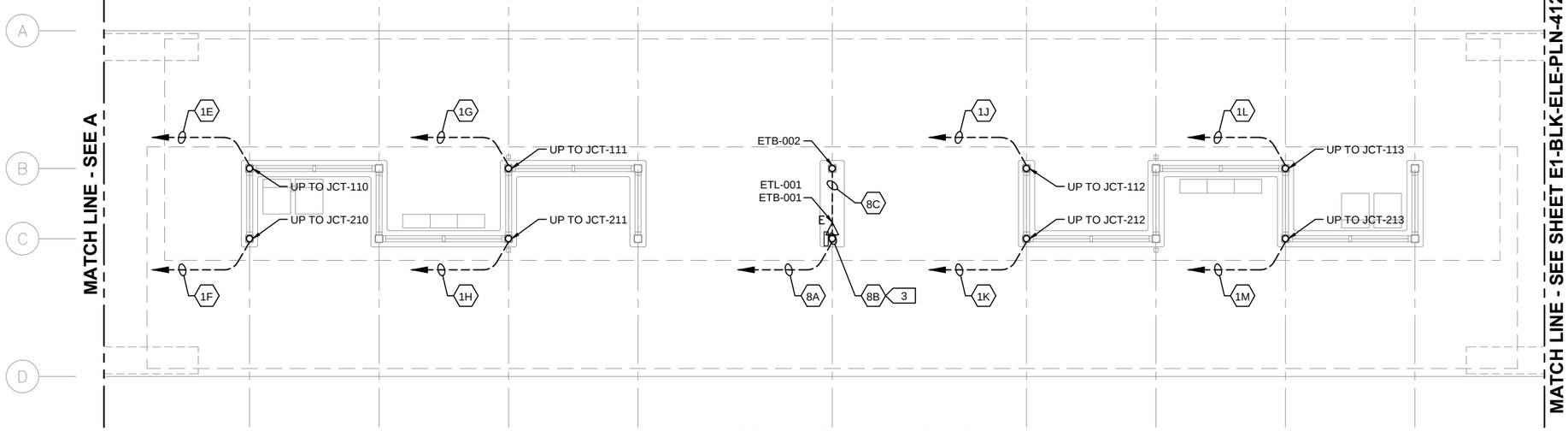
SHEET 134 OF 510

Jan, 18 2016 10:49 am V:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-BLK-ELE-ELV-321.dwg By: FergTK



1 PLATFORM PLAN - WEST

SCALE: 1/8"=1'-0"



2 PLATFORM PLAN - MIDDLE

SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. DASHED LINES WITH AN ARROWHEAD DENOTE HOMERUN TO SCC-001, UNLESS OTHERWISE NOTED.
2. FOR CONDUITS AND DEVICES MOUNTED TO CANOPY, SEE COMMUNICATIONS CANOPY PLAN.
3. SEE SHEETS E1-BLK-ELE-SCH-461 AND E1-BLK-ELE-SCH-462 FOR CONDUIT SCHEDULES.
4. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
5. ALL UNDERSLAB CONDUIT SHALL BE PVC, ALL CONDUIT ABOVE PLATFORM SURFACE SHALL BE GRS.
6. CONDUIT ROUTING SHOWN DIAGRAMMATICALLY.
7. TVMs, RSVs, SPEAKERS, ETEL AND COMMUNICATION CABINET TO BE PROVIDED BY OTHERS; SHOWN FOR REFERENCE ONLY.

KEYNOTES:

1. COMMUNICATIONS CONDUITS TO/FROM STATION SIGNAL-COMMUNICATIONS HOUSE VIA MH-XXXX.
2. CONDUIT TO/FROM STATION-COMMUNICATIONS HOUSE FOR UPS POWER FEED TO SCC-001.
3. CONDUIT AND CABLE FOR ETEL BEACON LIGHT SHALL BE INSTALLED ENTIRELY WITHIN COLUMN.

0 2 4 8

HORIZONTAL SCALE IN FEET

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Green Line LRT Extension

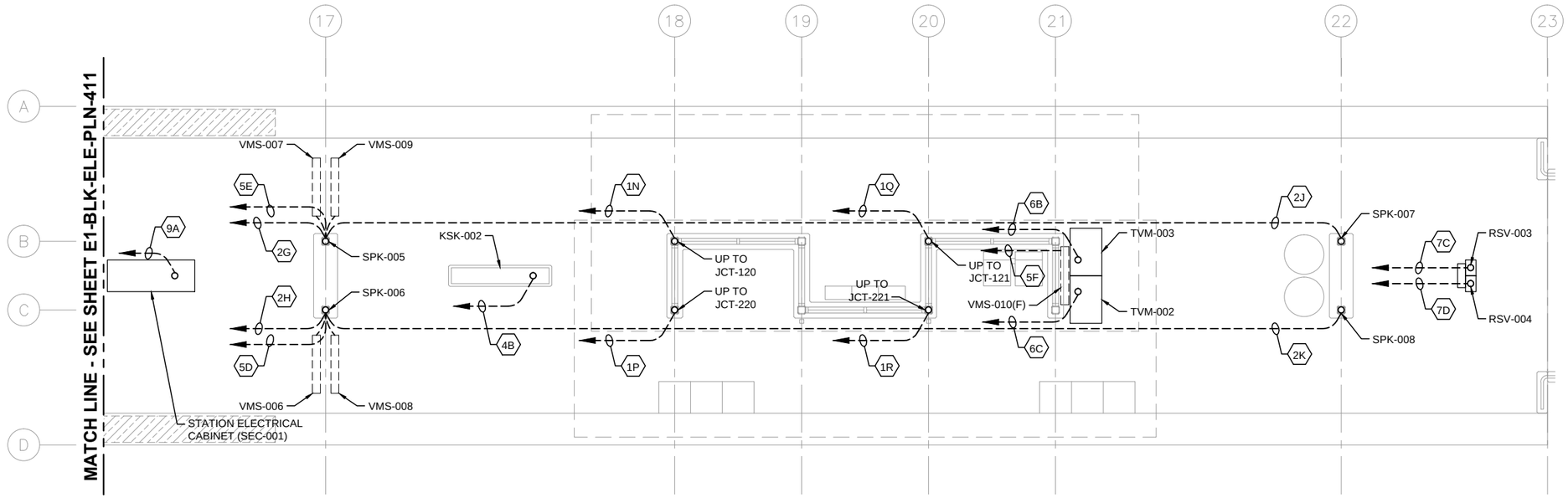
CIVIL - VOLUME 11C
BLAKE STATION
COMMUNICATIONS
UNDERSLAB CONDUIT PLAN (1 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E1-BLK-ELE-PLN-411

SHEET 135 OF 510

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1 PLATFORM PLAN - EAST

SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. DASHED LINES WITH AN ARROWHEAD DENOTE HOMERUN TO SCC-001, UNLESS OTHERWISE NOTED.
2. FOR CONDUITS AND DEVICES MOUNTED TO CANOPY, SEE COMMUNICATIONS CANOPY PLAN.
3. SEE SHEETS E1-BLK-ELE-SCH-461 AND E1-BLK-ELE-SCH-462 FOR CONDUIT SCHEDULES.
4. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
5. ALL UNDERSLAB CONDUIT SHALL BE PVC, ALL CONDUIT ABOVE PLATFORM SURFACE SHALL BE GRS.
6. CONDUIT ROUTING SHOWN DIAGRAMMATICALLY.
7. TVMs, RSVs, SPEAKERS, ETEL AND COMMUNICATION CABINET TO BE PROVIDED BY OTHERS; SHOWN FOR REFERENCE ONLY.

KEYNOTES:

1.

0 2 4 8

HORIZONTAL SCALE IN FEET

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SOUTHWEST Green Line LRT Extension

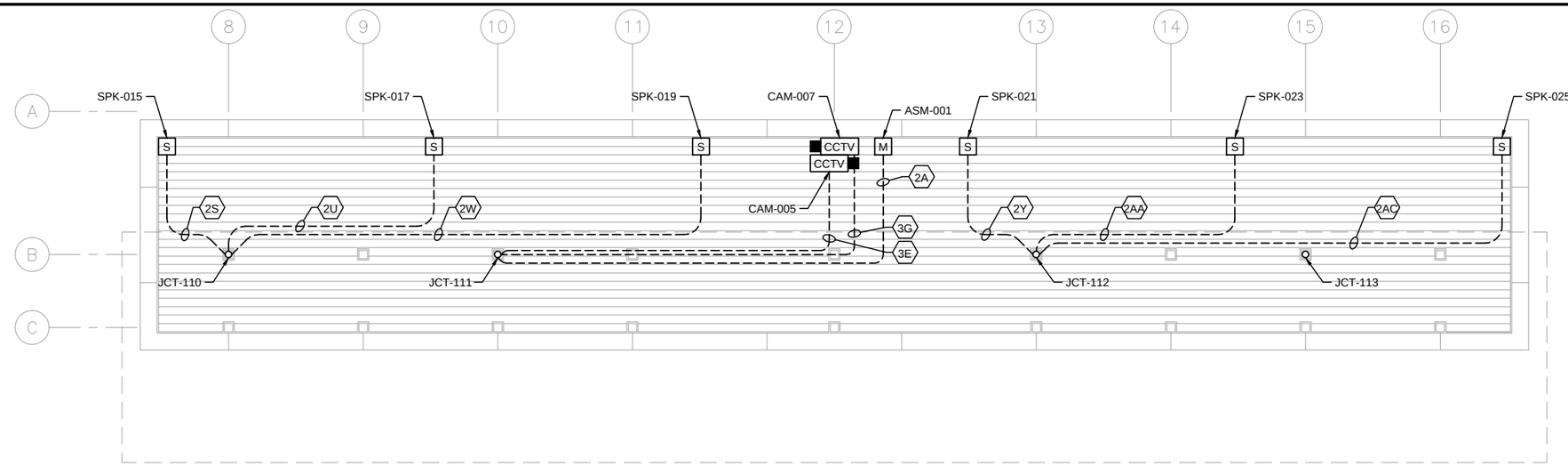
CIVIL - VOLUME 11C
BLAKE STATION
COMMUNICATIONS
UNDERSLAB CONDUIT PLAN (2 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E1-BLK-ELE-PLN-412

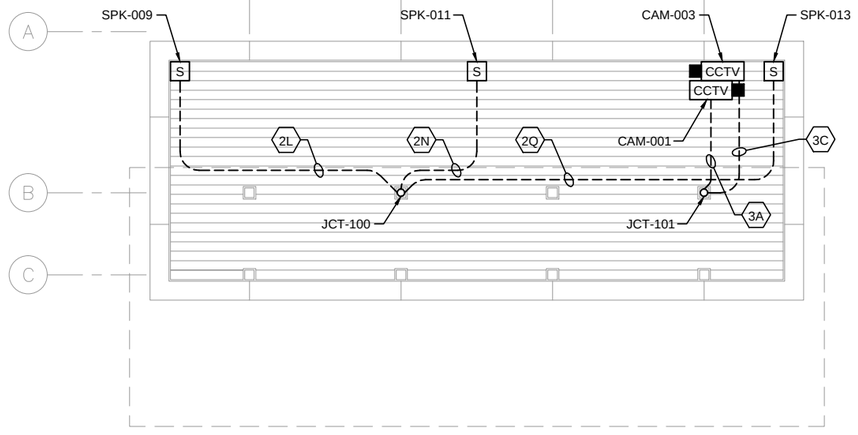
SHEET 136 OF 510

Jan, 18 2016 10:50 am V:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-BLK-ELE-PLN-412.dwg By: FergTK



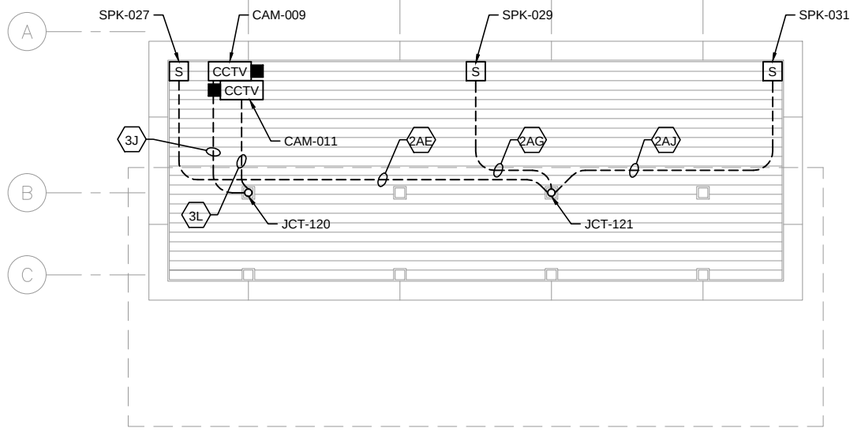
1 TRACK 1 SIDE CANOPY PLAN – MIDDLE

SCALE: 1/8"=1'–0"



2 TRACK 1 SIDE CANOPY PLAN – WEST END

SCALE: 1/8"=1'–0"



3 TRACK 1 SIDE CANOPY PLAN – EAST END

SCALE: 1/8"=1'–0"

GENERAL NOTES:

1. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
2. SEE SHEETS E1-BLK-ELE-SCH-461 AND E1-BLK-ELE-SCH-462 FOR CONDUIT SCHEDULES.
3. ALL CONDUIT SHOWN SHALL BE GRS.
4. CONDUIT SHOWN DIAGRAMMATICALLY.
5. CCTV CAMERAS AND MICROPHONE SHOWN FOR REFERENCE ONLY; WILL BE PROVIDED BY OTHERS.

KEYNOTES:

1.

0 2 4 8
HORIZONTAL SCALE IN FEET

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SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BLAKE STATION
COMMUNICATIONS
CANOPY PLAN - TRACK 1 SIDE

DISCIPLINE: ELECTRICAL
SHEET NAME: E1-BLK-ELE-PLN-421

SHEET 137 OF 510

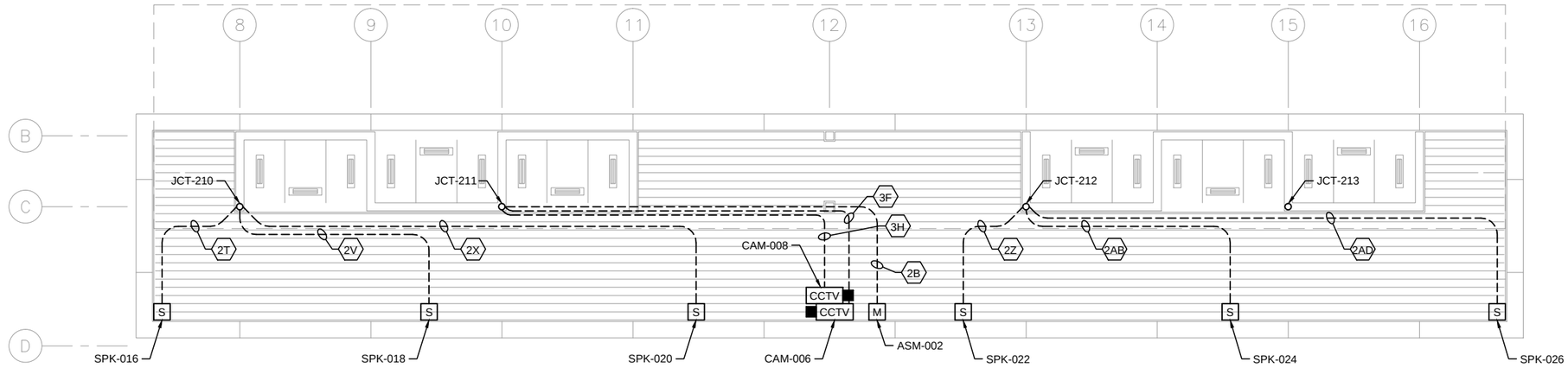
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GENERAL NOTES:

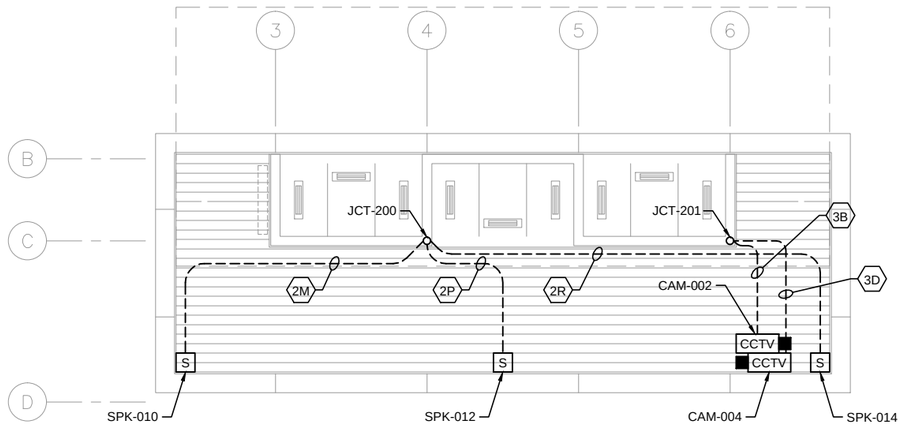
1. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
2. SEE SHEETS E1-BLK-ELE-SCH-461 AND E1-BLK-ELE-SCH-462 FOR CONDUIT SCHEDULES.
3. ALL CONDUIT SHOWN SHALL BE GRS.
4. CONDUIT SHOWN DIAGRAMMATICALLY.
5. CCTV CAMERAS AND MICROPHONE SHOWN FOR REFERENCE ONLY; WILL BE PROVIDED BY OTHERS.

KEYNOTES:

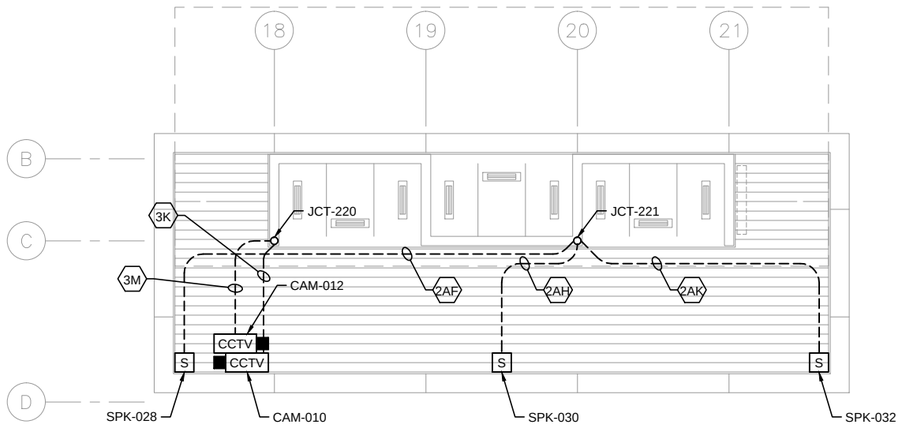
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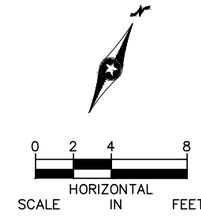
1 TRACK 2 SIDE CANOPY PLAN – MIDDLE
SCALE: 1/8"=1'–0"



2 TRACK 2 SIDE CANOPY PLAN – WEST END
SCALE: 1/8"=1'–0"



3 TRACK 2 SIDE CANOPY PLAN – EAST END
SCALE: 1/8"=1'–0"



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SOUTHWEST
Green Line LRT Extension

CIVIL - VOLUME 11C
BLAKE STATION
COMMUNICATIONS
CANOPY PLAN - TRACK 2 SIDE

DISCIPLINE: ELECTRICAL
SHEET NAME: E1-BLK-ELE-PLN-422

SHEET 138 OF 510

Jan, 18 2016 10:51 am V:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-BLK-ELE-PLN-422.dwg By: FergTK

GENERAL NOTES:

1. CONDUIT NUMBERS CORRELATE TO ⬡ NUMBERS ON PLAN SHEETS AND ELEVATIONS.
2. SEE PLAN AND ELEVATION SHEETS FOR LOCATIONS OF CONDUITS.

BLAKE STATION COMMUNICATION CONDUIT AND CABLE SCHEDULE

CONDUIT NO.	DEVICE ID	DESCRIPTION/USE	FROM	TO	CONDUIT SIZE
10A	BLK -CON-0001	S/C HOUSE TO SCC-001	S/C MANHOLE	BLK -SCC-001	3"
10B	BLK -CON-0002	S/C HOUSE TO SCC-001	S/C MANHOLE	BLK -SCC-001	3"
10C	BLK -CON-0003	S/C HOUSE TO SCC-001	S/C MANHOLE	BLK -SCC-001	3"
10D	BLK -CON-0004	S/C HOUSE TO SCC-001	S/C MANHOLE	BLK -SCC-001	3"
10E	BLK -CON-0005	UPS POWER FEED: SCH TO SCC	BLK -SCH-001	BLK -SCC-001	3"
1A	BLK -CON-0101	SCC TO JUNCTION 100	BLK -SCC-001	BLK -JCT-100	2"
1B	BLK -CON-0102	SCC TO JUNCTION 200	BLK -SCC-001	BLK -JCT-200	2"
1C	BLK -CON-0103	SCC TO JUNCTION 101	BLK -SCC-001	BLK -JCT-101	2"
1D	BLK -CON-0104	SCC TO JUNCTION 201	BLK -SCC-001	BLK -JCT-201	2"
1E	BLK -CON-0105	SCC TO JUNCTION 110	BLK -SCC-001	BLK -JCT-110	2"
1F	BLK -CON-0106	SCC TO JUNCTION 210	BLK -SCC-001	BLK -JCT-210	2"
1G	BLK -CON-0107	SCC TO JUNCTION 111	BLK -SCC-001	BLK -JCT-111	2"
1H	BLK -CON-0108	SCC TO JUNCTION 211	BLK -SCC-001	BLK -JCT-211	2"
1J	BLK -CON-0109	SCC TO JUNCTION 112	BLK -SCC-001	BLK -JCT-112	2"
1K	BLK -CON-0110	SCC TO JUNCTION 212	BLK -SCC-001	BLK -JCT-212	2"
1L	BLK -CON-0111	SCC TO JUNCTION 113	BLK -SCC-001	BLK -JCT-113	2"
1M	BLK -CON-0112	SCC TO JUNCTION 213	BLK -SCC-001	BLK -JCT-213	2"
1N	BLK -CON-0113	SCC TO JUNCTION 120	BLK -SCC-001	BLK -JCT-120	2"
1P	BLK -CON-0114	SCC TO JUNCTION 220	BLK -SCC-001	BLK -JCT-220	2"
1Q	BLK -CON-0115	SCC TO JUNCTION 121	BLK -SCC-001	BLK -JCT-121	2"
1R	BLK -CON-0116	SCC TO JUNCTION 221	BLK -SCC-001	BLK -JCT-221	2"
2A	BLK -CON-0201	MICROPHONE 1 - NOISE SENSING	BLK -JCT-111	BLK -ASM-001	1"
2B	BLK -CON-0202	MICROPHONE 2 - NOISE SENSING	BLK -JCT-211	BLK -ASM-002	1"
2C	BLK -CON-0203	SPEAKER 1 - POLE	BLK -SPK-003	BLK -SPK-001	1-1/2"
2D	BLK -CON-0204	SPEAKER 2 - POLE	BLK -SPK-004	BLK -SPK-002	1-1/2"
2E	BLK -CON-0205	SPEAKER 3 - POLE	BLK -SCC-001	BLK -SPK-003	1-1/2"
2F	BLK -CON-0206	SPEAKER 4 - POLE	BLK -SCC-001	BLK -SPK-004	1-1/2"
2G	BLK -CON-0207	SPEAKER 5 - POLE	BLK -SCC-001	BLK -SPK-005	1-1/2"
2H	BLK -CON-0208	SPEAKER 6 - POLE	BLK -SCC-001	BLK -SPK-006	1-1/2"
2J	BLK -CON-0209	SPEAKER 7 - POLE	BLK -SPK-005	BLK -SPK-007	1-1/2"
2K	BLK -CON-0210	SPEAKER 8 - POLE	BLK -SPK-006	BLK -SPK-008	1-1/2"
2L	BLK -CON-0211	SPEAKER 9 - CANOPY	BLK -JCT-100	BLK -SPK-009	1"
2M	BLK -CON-0212	SPEAKER 10 - CANOPY	BLK -JCT-200	BLK -SPK-010	1"
2N	BLK -CON-0213	SPEAKER 11 - CANOPY	BLK -JCT-100	BLK -SPK-011	1"
2P	BLK -CON-0214	SPEAKER 12 - CANOPY	BLK -JCT-200	BLK -SPK-012	1"
2Q	BLK -CON-0215	SPEAKER 13 - CANOPY	BLK -JCT-100	BLK -SPK-013	1"
2R	BLK -CON-0216	SPEAKER 14 - CANOPY	BLK -JCT-200	BLK -SPK-014	1"
2S	BLK -CON-0217	SPEAKER 15 - CANOPY	BLK -JCT-110	BLK -SPK-015	1"
2T	BLK -CON-0218	SPEAKER 16 - CANOPY	BLK -JCT-210	BLK -SPK-016	1"
2U	BLK -CON-0219	SPEAKER 17 - CANOPY	BLK -JCT-110	BLK -SPK-017	1"
2V	BLK -CON-0220	SPEAKER 18 - CANOPY	BLK -JCT-210	BLK -SPK-018	1"
2W	BLK -CON-0221	SPEAKER 19 - CANOPY	BLK -JCT-110	BLK -SPK-019	1"
2X	BLK -CON-0222	SPEAKER 20 - CANOPY	BLK -JCT-210	BLK -SPK-020	1"
2Y	BLK -CON-0223	SPEAKER 21 - CANOPY	BLK -JCT-112	BLK -SPK-021	1"
2Z	BLK -CON-0224	SPEAKER 22 - CANOPY	BLK -JCT-212	BLK -SPK-022	1"
2AA	BLK -CON-0225	SPEAKER 23 - CANOPY	BLK -JCT-112	BLK -SPK-023	1"
2AB	BLK -CON-0226	SPEAKER 24 - CANOPY	BLK -JCT-212	BLK -SPK-024	1"
2AC	BLK -CON-0227	SPEAKER 25 - CANOPY	BLK -JCT-112	BLK -SPK-025	1"
2AD	BLK -CON-0228	SPEAKER 26 - CANOPY	BLK -JCT-212	BLK -SPK-026	1"
2AE	BLK -CON-0229	SPEAKER 27 - CANOPY	BLK -JCT-121	BLK -SPK-027	1"
2AF	BLK -CON-0230	SPEAKER 28 - CANOPY	BLK -JCT-221	BLK -SPK-028	1"
2AG	BLK -CON-0231	SPEAKER 29 - CANOPY	BLK -JCT-121	BLK -SPK-029	1"
2AH	BLK -CON-0232	SPEAKER 30 - CANOPY	BLK -JCT-221	BLK -SPK-030	1"
2AJ	BLK -CON-0233	SPEAKER 31 - CANOPY	BLK -JCT-121	BLK -SPK-031	1"
2AK	BLK -CON-0234	SPEAKER 32 - CANOPY	BLK -JCT-221	BLK -SPK-032	1"

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BLAKE STATION
COMMUNICATIONS
CONDUIT SCHEDULE (1 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E1-BLK-ELE-SCH-461

SHEET 139 OF 510

Jan, 18 2016 10:51 am V:\3400_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-BLK-ELE-SCH-461.dwg By: FergTK

BLAKE STATION COMMUNICATION CONDUIT AND CABLE SCHEDULE					
CONDUIT NO.	**DEVICE ID**	**DESCRIPTION/USE**	**FROM**	**TO**	**CONDUIT SIZE**
3A	BLK -CON-0301	CAMERA 1	BLK -JCT-101	BLK CAM-001	1"
3B	BLK -CON-0302	CAMERA 2	BLK -JCT-201	BLK CAM-002	1"
3C	BLK -CON-0303	CAMERA 3	BLK -JCT-101	BLK CAM-003	1"
3D	BLK -CON-0304	CAMERA 4	BLK -JCT-201	BLK CAM-004	1"
3E	BLK -CON-0305	CAMERA 5	BLK -JCT-111	BLK CAM-005	1"
3F	BLK -CON-0306	CAMERA 6	BLK -JCT-211	BLK CAM-006	1"
3G	BLK -CON-0307	CAMERA 7	BLK -JCT-111	BLK CAM-007	1"
3H	BLK -CON-0308	CAMERA 8	BLK -JCT-211	BLK CAM-008	1"
3J	BLK -CON-0309	CAMERA 9	BLK -JCT-120	BLK CAM-009	1"
3K	BLK -CON-0310	CAMERA 10	BLK -JCT-220	BLK CAM-010	1"
3L	BLK -CON-0311	CAMERA 11	BLK -JCT-120	BLK CAM-011	1"
3M	BLK -CON-0312	CAMERA 12	BLK -JCT-220	BLK CAM-012	1"
4A	BLK -CON-0401	KIOSK 1 (F)	BLK -SCC-001	BLK -KSK-001	2"
4B	BLK -CON-0402	KIOSK 2 (F)	BLK -SCC-001	BLK -KSK-002	2"
5A	BLK -CON-0501	VMS 1 (F)	BLK -SCC-001	BLK -VMS-001	1"
5B	BLK -CON-0502	VMS 2, VMS 3	BLK -SCC-001	BLK -VMS-002, -VMS-003	1-1/2"
5C	BLK -CON-0503	VMS 4, VMS 5	BLK -SCC-001	BLK -VMS-004, -VMS-005	1-1/2"
5D	BLK -CON-0504	VMS 6, VMS 7	BLK -SCC-001	BLK -VMS-006, -VMS-007	1-1/2"
5E	BLK -CON-0505	VMS 8, VMS 9	BLK -SCC-001	BLK -VMS-008, -VMS-009	1-1/2"
5F	BLK -CON-0506	VMS 10 (F)	BLK -SCC-001	BLK -VMS-010	1"
6A	BLK -CON-0601	TVM 1	BLK -SCC-001	BLK -TVM-001	2"
6B	BLK -CON-0602	TVM 2	BLK -SCC-001	BLK -TVM-002	2"
7A	BLK -CON-0701	VALIDATOR 1	BLK -SCC-001	BLK -RSV-001	1-1/2"
7B	BLK -CON-0702	VALIDATOR 2	BLK -SCC-001	BLK -RSV-002	1-1/2"
7C	BLK -CON-0703	VALIDATOR 3	BLK -SCC-001	BLK -RSV-003	1-1/2"
7D	BLK -CON-0704	VALIDATOR 4	BLK -SCC-001	BLK -RSV-004	1-1/2"
8A	BLK -CON-0801	EMERGENCY TELEPHONE 1 - PHONE	BLK -SCC-001	BLK -ETL-001	1-1/2"
8B	BLK -CON-0802	EMERGENCY TELEPHONE 1 - BEACON LIGHT 1	BLK -ETL-001	BLK -ETB-001	1"
8C	BLK -CON-0803	EMERGENCY TELEPHONE 1 - BEACON LIGHT 2	BLK -ETL-001	BLK -ETB-002	1"
9A	BLK -CON-0901	STATION ELECTRICAL CABINET	BLK -SCC-001	BLK -SEC-001	2"

GENERAL NOTES:

1. CONDUIT NUMBERS CORRELATE TO ⬡ NUMBERS ON PLAN SHEETS AND ELEVATIONS.
2. SEE PLAN AND ELEVATION SHEETS FOR LOCATIONS OF CONDUITS.

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BLAKE STATION
COMMUNICATIONS
CONDUIT SCHEDULE (2 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E1-BLK-ELE-SCH-462

SHEET 140 OF 510

BLAKE CONDUIT AND WIRE SCHEDULE

CONDUIT NUMBER	SIZE	WIRE	FROM	TO	REMARKS	NOTES
1	1"	2#8, 1#10G	HEATERS HTR-101, 102, 103	PANELBOARD LP1A	POWER TO HEATERS	
2	1"	2#8, 1#10G	HEATERS HTR-104, 105, 106	PANELBOARD LP1A	POWER TO HEATERS	
3	1"	2#8, 1#10G	HEATERS HTR-107, 108, 109	PANELBOARD LP1A	POWER TO HEATERS	
4	1"	2#8, 1#10G	HEATERS HTR-110, 111, 112	PANELBOARD LP1A	POWER TO HEATERS	
5	1"	2#8, 1#10G	HEATERS HTR-113, 114, 115	PANELBOARD LP1A	POWER TO HEATERS	
6	1"	2#8, 1#10G	HEATERS HTR-116, 117, 118	PANELBOARD LP1A	POWER TO HEATERS	
7	1"	2#8, 1#10G	HEATERS HTR-119, 120, 121	PANELBOARD LP1A	POWER TO HEATERS	
8	1"	2#8, 1#10G	HEATERS HTR-122, 123, 124	PANELBOARD LP1A	POWER TO HEATERS	
9	1"	2#8, 1#10G	HEATERS HTR-125, 126, 127	PANELBOARD LP1A	POWER TO HEATERS	
10	1"	2#8, 1#10G	HEATERS HTR-128, 129, 130	PANELBOARD LP1A	POWER TO HEATERS	
11	1"	2#8, 1#10G	HEATERS HTR-131, 132, 133	PANELBOARD LP1A	POWER TO HEATERS	
12	1"	2#8, 1#10G	HEATERS HTR-134, 135, 136	PANELBOARD LP1A	POWER TO HEATERS	
13	1"	2#14, 1#14G	HPB-101	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
14	1"	2#14, 1#14G	HPB-102	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
15	1"	2#14, 1#14G	HPB-103	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
16	1"	2#14, 1#14G	HPB-104	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
17	1"	2#14, 1#14G	HPB-105	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
18	1"	2#14, 1#14G	HPB-106	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
19	1"	2#14, 1#14G	HPB-107	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
20	1"	2#14, 1#14G	HPB-108	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
21	1"	2#14, 1#14G	HPB-109	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
22	1"	2#14, 1#14G	HPB-110	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
23	1"	2#14, 1#14G	HPB-111	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
24	1"	2#14, 1#14G	HPB-112	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
25	1"	2#10, 1#10G	TVM-101	PANELBOARD LP1B	POWER TO TVM	
26	1"	4#10, 2#10G	TVM-102, TVM-103	PANELBOARD LP1B	POWER TO TVMs	
27	1"	4#12, 2#12G	RSV-101, RSV-102	PANELBOARD LP1B	POWER TO RSVs	
28	1"	4#12, 2#12G	RSV-103, RSV-104	PANELBOARD LP1B	POWER TO RSVs	
29	1"	2#12, 1#12G	KSK-101	PANELBOARD LP1A	POWER TO KIOSK	
30	1"	2#12, 1#12G	KSK-102	PANELBOARD LP1A	POWER TO KIOSK	
31	1"	2#12, 1#12G	CANOPY LUMINAIRES	PANELBOARD LP1A	POWER TO LUMINAIRES	
32	1"	2#12, 1#12G	CANOPY LUMINAIRES	PANELBOARD LP1A	POWER TO LUMINAIRES	
33	1"	2#12, 1#12G	CANOPY LUMINAIRES	PANELBOARD LP1A	POWER TO LUMINAIRES	
34	1"	2#12, 1#12G	CANOPY LUMINAIRES	PANELBOARD LP1A	POWER TO LUMINAIRES	
35	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2
36	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2
37	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2
38	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2
39	1"	2#10, 1#10G	RAMP LIGHTING	PANELBOARD LP1A	POWER TO RAMP LIGHTING	
40	1"	2#10, 1#10G	RAMP LIGHTING	PANELBOARD LP1A	POWER TO RAMP LIGHTING	
41	1"	2#10, 1#10G	RAMP LIGHTING	PANELBOARD LP1A	POWER TO RAMP LIGHTING	
42	1"	2#10, 1#10G	RAMP LIGHTING	PANELBOARD LP1A	POWER TO RAMP LIGHTING	
43	1"	4#10, 1#10G	COMMUNICATIONS CABINET SCC-001	PANELBOARD LP1B	POWER TO COMMUNICATIONS CABINET	
44	1"	EMPTY W/ PULL CORD	VMS-001 (F)	PANELBOARD LP1B	POWER TO VMS (F)	
45	1"	4#10, 2#10G	VMS-002, VMS-003	PANELBOARD LP1B	POWER TO VMS	
46	1"	4#10, 2#10G	VMS-008, VMS-009	PANELBOARD LP1B	POWER TO VMS	
47	1"	EMPTY W/ PULL CORD	VMS-010 (F)	PANELBOARD LP1B	POWER TO VMS (F)	
48	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
49	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
50	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
51	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
52	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
53						
54						
55						

ELECTRICAL NOTES
1. NOT USED
2. 3/C#18 CABLE FOR AMBIENT AIR TEMPERATURE SENSOR IS ALSO RUN IN THE CONDUIT.

PANELBOARD SCHEDULE BLK-LP1A

400 AMP BUS RATING, 120/208 VOLTS, MLO; 3 PHASE, 4 WIRE 60Hz; 42 POLES, SURFACE MOUNTED, LOCATION

DESCRIPTION	kVA	AMPS/POLES	CKT	AØ	BØ	CØ	CKT	AMPS/POLES	kVA	DESCRIPTION
RAMP LIGHTING	0.4	20/1	1	X			2	30/2	2.4	HTR-119, 120, 121
RAMP LIGHTING	0.4	20/1	3		X		4		2.4	
HTR-101, 102, 103	2.4	30/2	5			X	6	30/2	2.4	HTR-122, 123, 124
	2.4		7	X			8		2.4	
HTR-104, 105, 106	2.4	30/2	9		X		10	30/2	2.4	HTR-125, 126, 127
	2.4		11			X	12		2.4	
HTR-107, 108, 109	2.4	30/2	13	X			14	30/2	2.4	HTR-128, 129, 130
	2.4		15		X		16		2.4	
HTR-110, 111 112	2.4	30/2	17			X	18	30/2	2.4	HTR-131, 132, 133
	2.4		19	X			20		2.4	
HTR-113, 114, 115	2.4	30/2	21		X		22	30/2	2.4	HTR-134, 135, 136
	2.4		23			X	24		2.4	
HTR-116, 117, 118	2.4	30/2	25	X			26	20/1	0.16	SHELTER LUMINAIRES
	2.4		27		X		28	20/1	0.16	SHELTER LUMINAIRES
KSK-101	0.3	20/1	29			X	30	20/1	0.17	SHELTER LUMINAIRES
KSK-102	0.3	20/1	31	X			32	20/1	0.17	SHELTER LUMINAIRES
HTRCP-101	1.0	30/2	33		X		34	20/1	1.0	POLE LUMINAIRES
	1.0		35			X	36	20/1		SPARE
HTRCP-102	1.0	30/2	37	X			38	20/1		SPARE
	1.0		39		X		40			SPACE
SPACE			41			X	42			SPACE
		kVA		26.5	28.0	26.7	kVA		5.3	
		AMPS		221.1	233.0	222.3	AMPS		5.2	
									6.0	FEED THROUGH LUGS LP1B

PANELBOARD SCHEDULE BLK-LP1B

400 AMP BUS RATING, 120/208 VOLTS, 400 MLO; 3 PHASE, 4 WIRE 60Hz; 30 POLES, SURFACE LOCATION, MOUNTED

DESCRIPTION	kVA	AMPS/POLES	CKT	AØ	BØ	CØ	CKT	AMPS/POLES	kVA	DESCRIPTION
SPD		60/2	1	X			2	20/1	0.3	RSV-101
			3		X		4	20/1	0.3	RSV-102
SEC-001	0.5	20/1	5			X	6	20/1	0.3	RSV-103
VMS-001 (FUTURE)	1.0	20/1	7	X			8	20/1	0.3	RSV-104
VMS-002	1.0	20/1	9		X		10	20/1		SPARE
VMS-003	1.0	20/1	11			X	12	20/1		SPARE
SCC-001	2.7	30/2	13	X			14	20/1	1.0	VMS-008
	2.7		15		X		16	20/1	1.0	VMS-009
SPARE		20/1	17			X	18	20/1	1.0	VMS-010 (FUTURE)
SPARE		20/1	19	X			20	30/1		SPARE
HTG AND LTG CONTROL SYSTEM	0.2	15/1	21		X		22	30/1		SPARE
TVM-101	1.6	30/1	23			X	24	30/1	1.6	TVM-102
SPACE			25	X			26			SPACE
SPACE			27		X		28			SPACE
SPACE			29			X	30			SPACE
		kVA		5.3	5.2	6.0	kVA			
		AMPS		44.2	43.3	50.0	AMPS			

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METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BLAKE STATION
ELECTRICAL SCHEDULES

DISCIPLINE: ELECTRICAL
SHEET NAME: E1-BLK-ELE-SCH-501

SHEET 141 OF 510

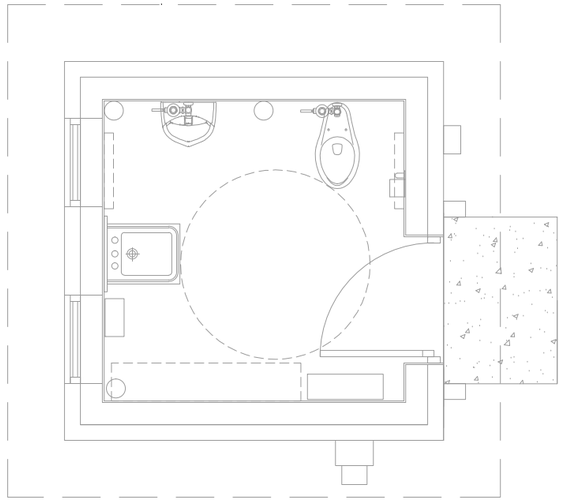
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GENERAL NOTES:

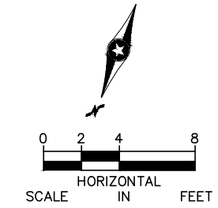
1. XXXXX

KEYNOTES:

1. XXXXX



1 REST ROOM FACILITY POWER PLAN
SCALE: 1/4"=1'-0"



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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BLAKE STATION
ELECTRICAL
BUS OPERATOR RESTROOM FACILITY PLAN

DISCIPLINE: ELECTRICAL

SHEET NAME: E1-BLK-ELE-PLN-601

SHEET 142 OF 510

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CODE SUMMARY - CENTER PLATFORM
LOUISIANA STATION

CODE REFERENCES

MINNESOTA STATE BUILDING CODE	2015
NFPA 130 – STANDARD FOR FIXED GUIDEWAY TRANSIT AND PASSENGER RAIL SYSTEMS	2014

IBC REVIEW

A. DESCRIPTION
LOCATION: ST. LOUIS PARK, MN

THE LIGHT RAIL TRANSIT STATION IS A PARTIALLY CANOPIED PLATFORM AREA. IT CONSISTS OF A PLATFORM 270' LONG BY 21'–4" ACCESSED BY A SLOPED WALK AT EACH END OF PLATFORM. PLATFORM IS OPEN TO EXTERIOR ON ALL FOUR SIDES.

TYPICAL PLATFORM AREA: 5760 SQUARE FEET (GROSS AREA)
4264 SQUARE FEET (NET AREA AFTER STRUCTURAL ELEMENTS, FIXTURES AND PERMANENTLY INSTALLED FURNISHINGS ARE DEDUCTED)

CANOPY COVERAGE AREA AT PLATFORM: = 3169 SQUARE FEET
731 SQUARE FEET (LOWER @ 36'–8" X 13'–8" AND UPPER @ 34'–6" X 6'–8") WEST CANOPY
1707 SQUARE FEET (LOWER @ 84'–8" X 13'–8" AND UPPER @ 82'–6" X 6'–8") MIDDLE CANOPY
731 SQUARE FEET (LOWER @ 36'–8" X 13'–8" AND UPPER @ 34'–6" X 6'–8") EAST CANOPY

B. OCCUPANCY CLASSIFICATION (IBC 2015 SECTION 303.1)

WAITING AREAS IN TRANSPORTATION TERMINALS: GROUP 'A' DIVISION 3
(15 S.F. PER PERSON)

C. OCCUPANCY SEPARATIONS

NONE ARE REQUIRED

D. TYPE OF CONSTRUCTION (IBC 2015 TABLE 601)

TYPE IIB CONSTRUCTION

E. ALLOWABLE BUILDING AREA AND BUILDING HEIGHT (IBC 2015 TABLE 503)

2 STORIES AT 9,500 SQUARE FEET PER STORY

F. IBC EXITING SUMMARY

NO. OF OCCUPANTS = 4264 S.F. / 15 S.F./OCC = 285
REQUIRED EGRESS WIDTH = 285 X 0.2 = 57" (PER 1005.3.2)
WIDTH PROVIDED = 2 RAMPS AT 145" = 290"
2 MEANS OF EGRESS PROVIDED

PLATFORM COLOR AND FINISH SCHEDULE

PRODUCTS AND COLORS LISTED ARE THE BASIS OF DESIGN FOR AESTHETIC/ARCHITECTURAL INTENT. SEE SPECIFICATIONS FOR MATERIAL/PRODUCT REQUIREMENTS.

PLATFORM COLOR AND FINISH SCHEDULE

TYPE	STATION	STRUCTURAL STEEL PAINT COLOR	PLATFORM CONC COLOR	PLATFORM CONC FINISH	CONC WALL COLOR	CONC WALL FINISH	RAILING INFILL MATERIAL	ALUM WDW FRAME FINISH	EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA FINISH	ALUM COMP CANOPY SOFFIT AND FASCIA COLOR	TRANSLUCENT PLASTIC PANEL
CENTER	LOUISIANA STATION	PPG 518–6 KNIGHT'S ARMOR	CEMSTONE SPLIT ROCK	LIGHT BROOM	CEMSTONE SPLIT ROCK	TBD	GALV STL CABLE	CLEAR ANODIZED	HUNTER DOUGLAS WOODWRIGHT 8446 CLIPPER TEAK	ALUCOBOND CARAMEL LATTE COOL	3FORM KODA XT W/ LAMINATED GRAPHIC

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SOUTHWEST Green Line LRT Extension

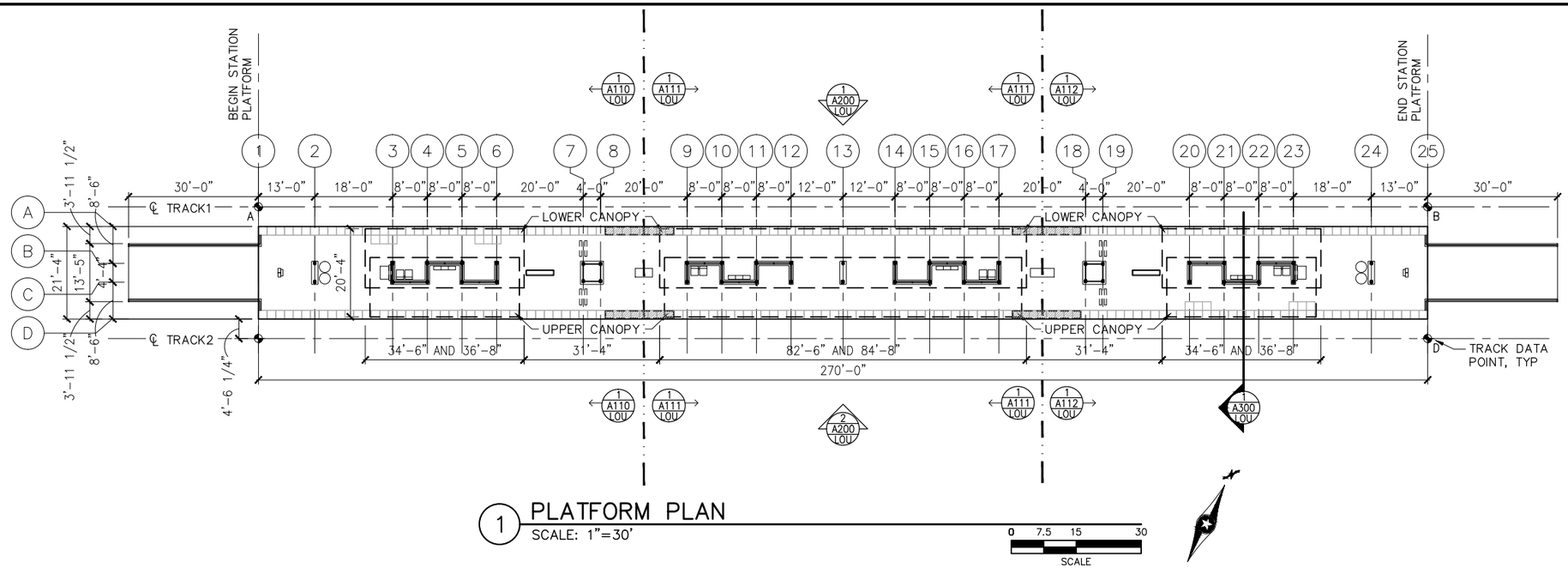
CIVIL - VOLUME 11C
LOUISIANA STATION
CODE SUMMARY / FINISH SCHEDULE

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-LOU-ARC-COD-010

SHEET 143 OF 510

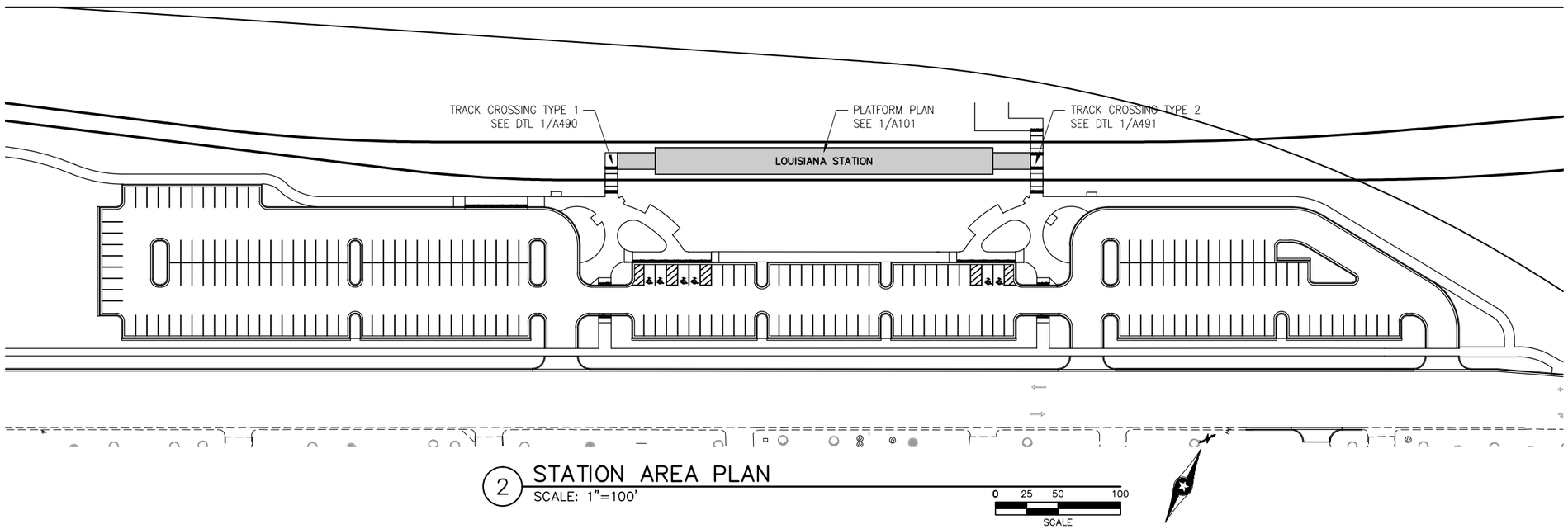
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1 PLATFORM PLAN

SCALE: 1"=30'

SCALE 0 7.5 15 30



2 STATION AREA PLAN

SCALE: 1"=100'

SCALE 0 25 50 100

TRACK DATA

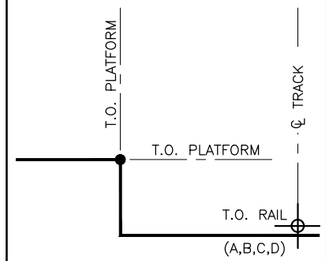
ELEV 100'-0" (LOCATION ON PLAN)

TRACK 1 EL 100'-0"= 894.70 (PT 'B')

POINT	T.O. RAIL ELEVATION	TRACK 1 STATIONING	
A	895.54	1638+94.35	
B	894.70	1641+64.35	

TRACK 2 EL 100'-0"= 894.70 (PT 'D')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING	
C	895.54	2638+94.35	
D	894.70	2641+64.35	



SECTION DIAGRAM AT PLATFORM EDGE
SEE DTL 1/A520
FOR DETAIL AND DIMENSIONS

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SOUTHWEST Green Line LRT Extension

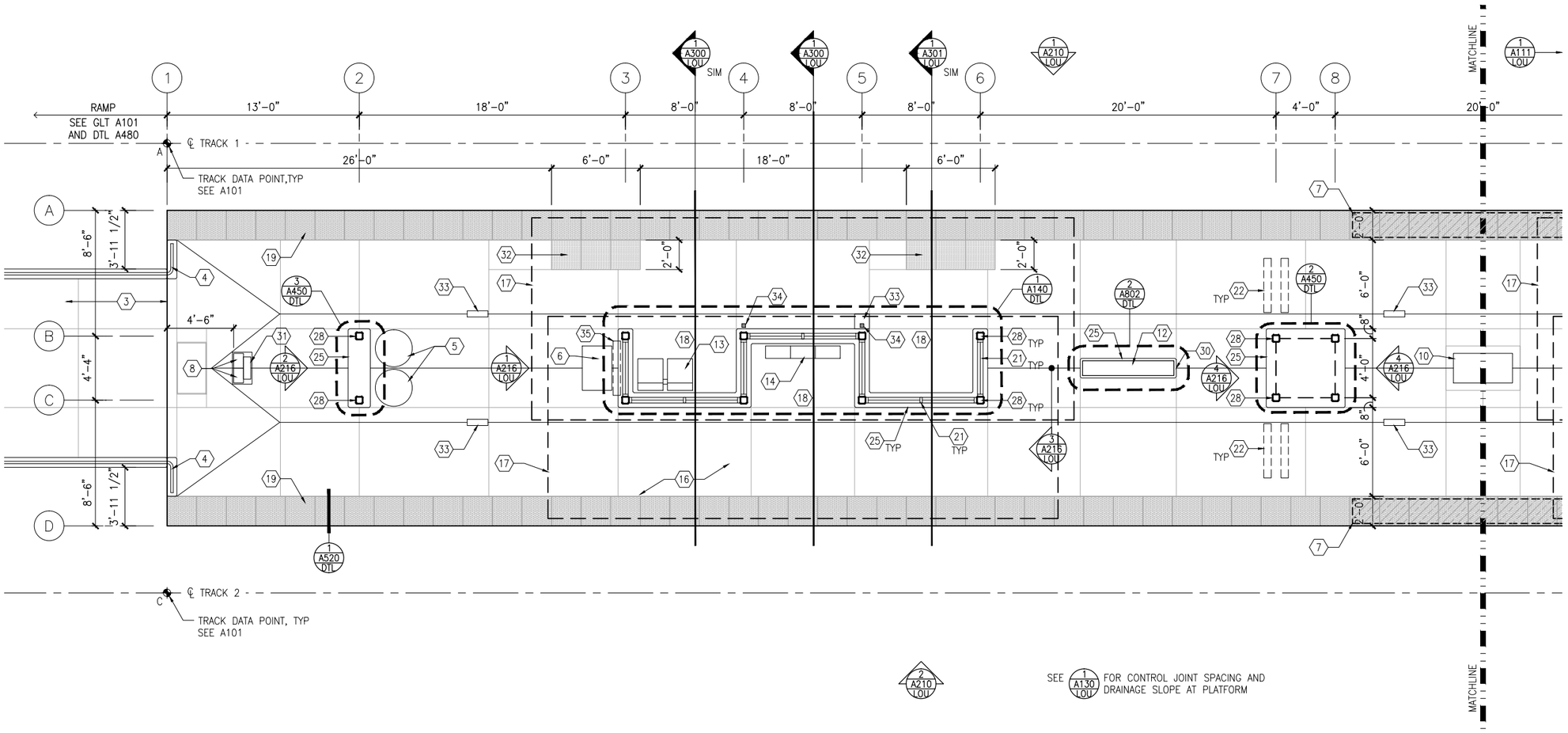
CIVIL - VOLUME 11C
LOUISIANA STATION
PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

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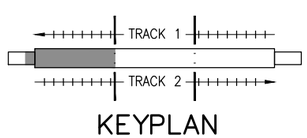
SHEET 144 OF 510

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1 WEST PARTIAL PLATFORM PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



KEYPLAN

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. ADA BETWEEN–CAR BARRIER
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE – SEE ELECTRICAL
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

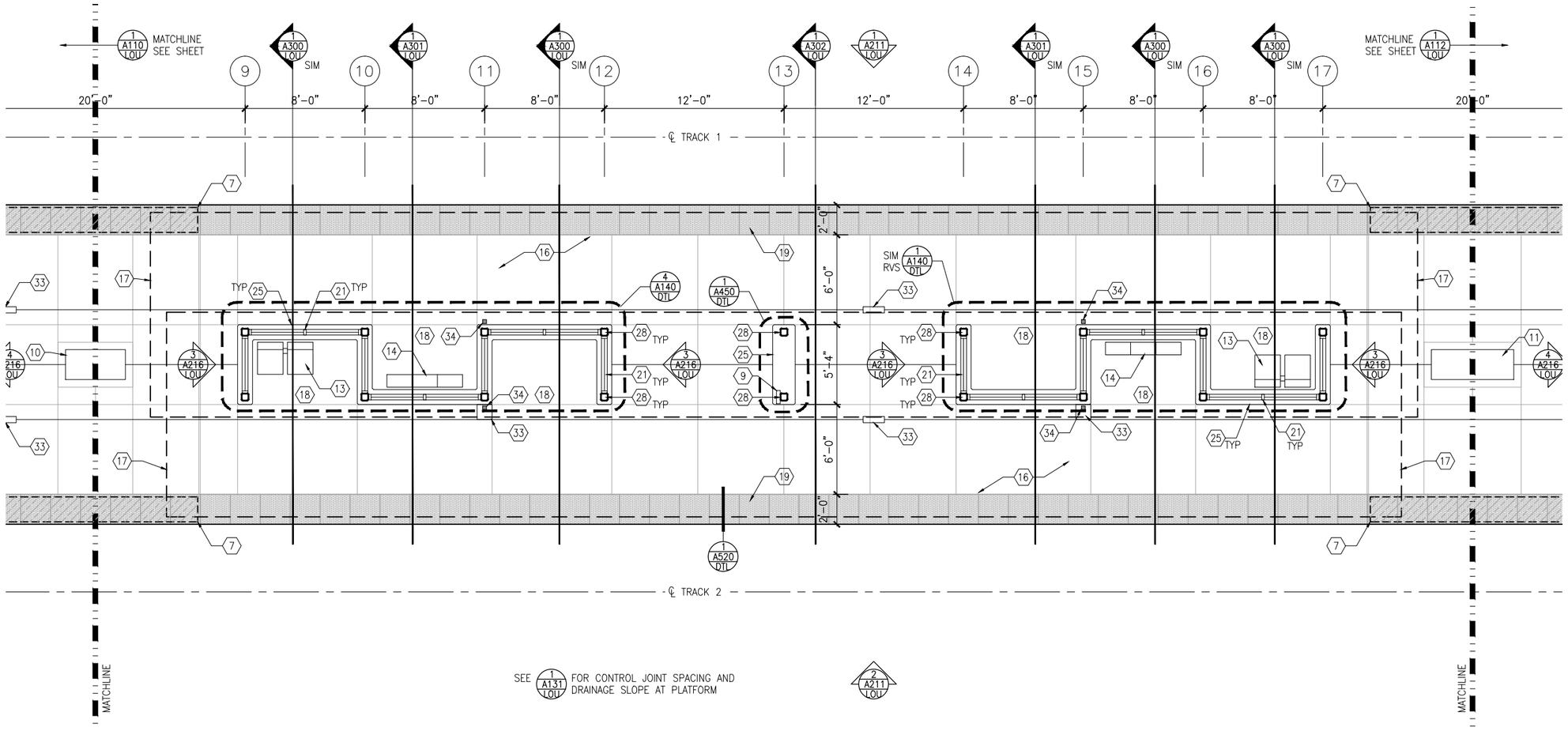
CIVIL - VOLUME 11C
LOUISIANA STATION
WEST PARTIAL PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-LOU-ARC-PLN-110

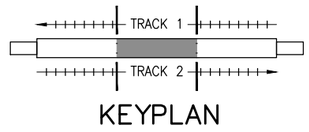
SHEET 145 OF 510

Jan, 18 2016 11:18 am v:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-PLN-110.dwg By: MurphySP



1 MIDDLE PARTIAL PLATFORM PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



KEYPLAN

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. ADA BETWEEN-CAR BARRIER
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE – SEE ELECTRICAL
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

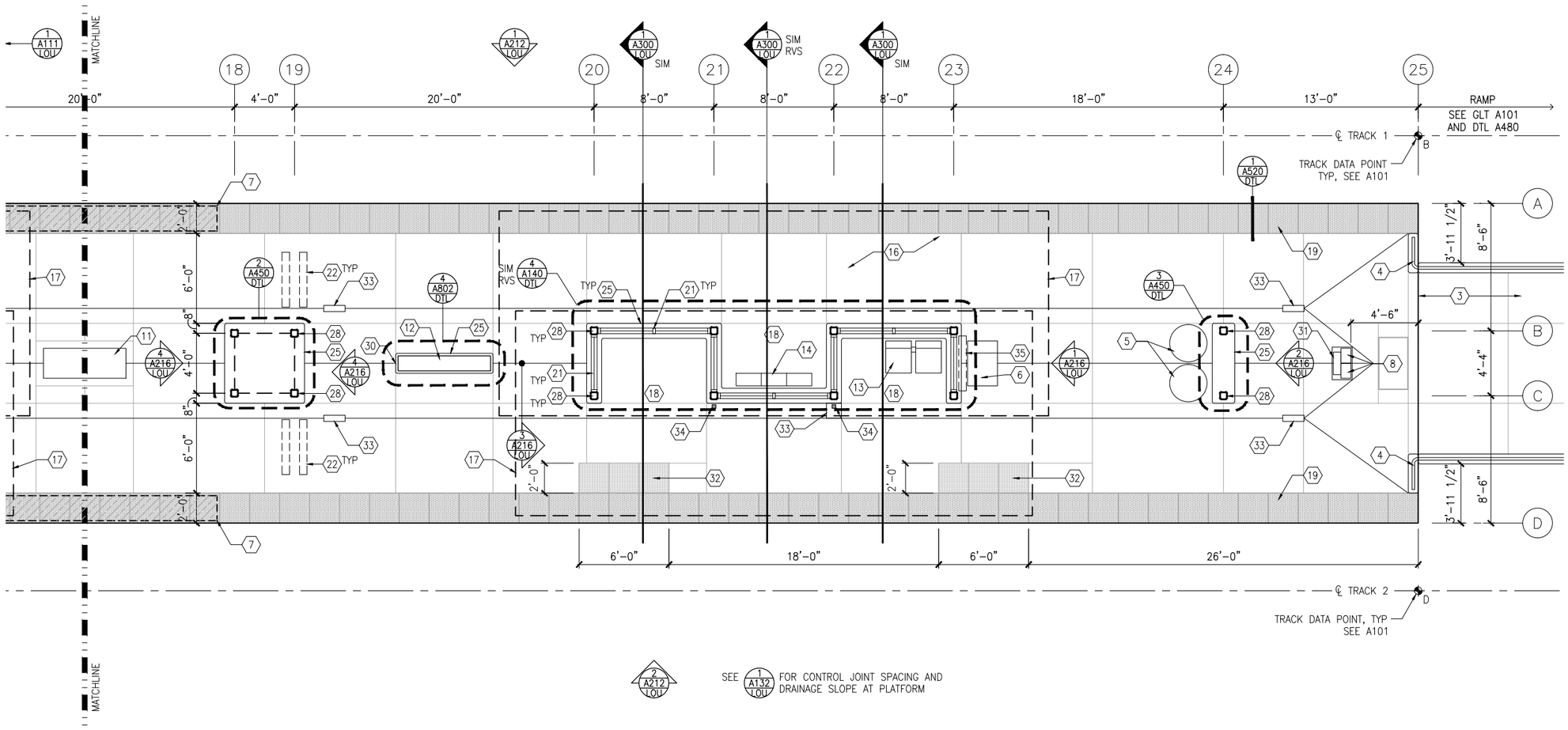
CIVIL - VOLUME 11C
LOUISIANA STATION
MIDDLE PARTIAL PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-LOU-ARC-PLN-111

SHEET 146 OF 510

Jan, 18 2016 11:19 am v:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-PLN-111.dwg By: MurphySP

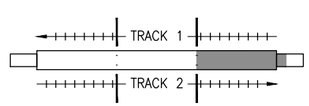


SEE (1 / A132 / 1OU) FOR CONTROL JOINT SPACING AND DRAINAGE SLOPE AT PLATFORM

1 EAST PARTIAL PLATFORM PLAN

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



KEYPLAN

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
LOUISIANA STATION
EAST PARTIAL PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-LOU-ARC-PLN-112

SHEET 147 OF 510

Jan. 18 2016 11:19 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-PLN-112.dwg By: MurphySP

PAVEMENT NOTES

SLOPE TRANSITIONS ARE SHOWN FOR REFERENCE. BLEND/EASE TRANSITIONS TO DRAIN AND SO THAT NO ABRUPT CHANGE IN SLOPE IS VISIBLE ON PLATFORM SURFACE

LEGEND

- – – – – – SLOPES
- ——————— CUT JOINTS

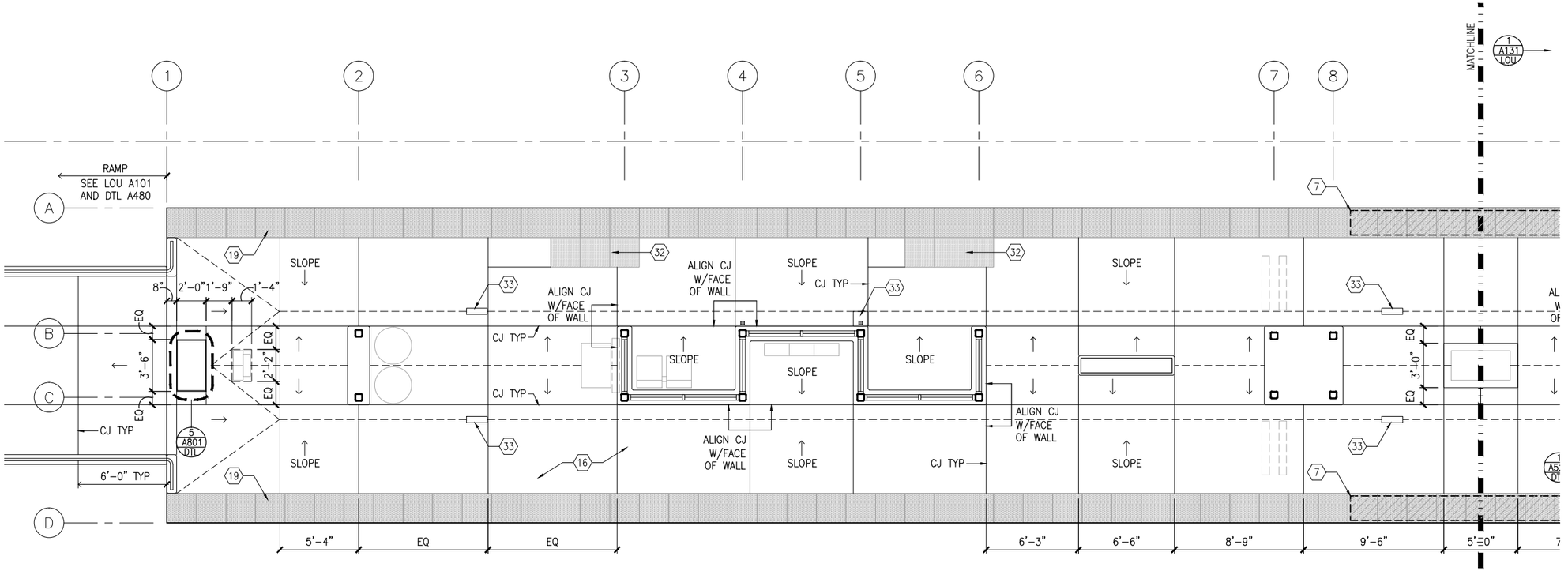
GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

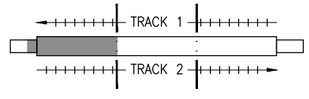
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35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL



1 WEST PARTIAL PAVEMENT PLAN
SCALE: 1/8"=1'–0"

0 2 4 8
SCALE



KEYPLAN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
LOUISIANA STATION
WEST PARTIAL PAVEMENT PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-LOU-ARC-PLN-130

SHEET 148 OF 510

Jan, 18 2016 11:20 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-PLN-130.dwg By: MurphySP

PAVEMENT NOTES

SLOPE TRANSITIONS ARE SHOWN FOR REFERENCE. BLEND/EASE TRANSITIONS TO DRAIN AND SO THAT NO ABRUPT CHANGE IN SLOPE IS VISIBLE ON PLATFORM SURFACE

LEGEND

- – – – – – SLOPES
- ——— CUT JOINTS

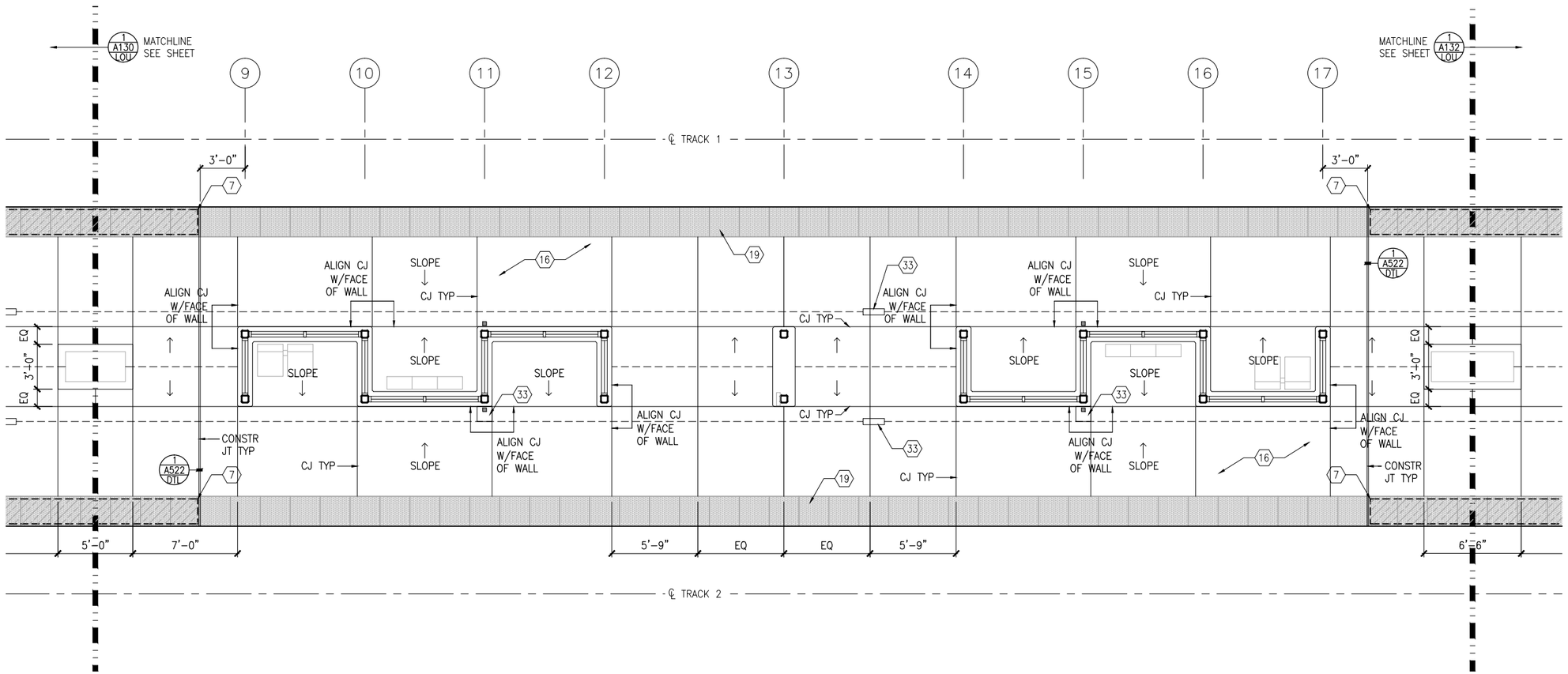
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3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

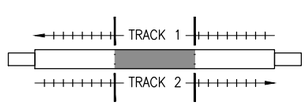
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35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL



1 MIDDLE PARTIAL PAVEMENT PLAN
SCALE: 1/8"=1'–0"

0 2 4 8
SCALE



KEYPLAN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
LOUISIANA STATION
MIDDLE PARTIAL PAVEMENT PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-LOU-ARC-PLN-131

SHEET 149 OF 510

Jan, 18 2016 11:20 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-PLN-131.dwg By: MurphySP

PAVEMENT NOTES

SLOPE TRANSITIONS ARE SHOWN FOR REFERENCE. BLEND/EASE TRANSITIONS TO DRAIN AND SO THAT NO ABRUPT CHANGE IN SLOPE IS VISIBLE ON PLATFORM SURFACE

LEGEND

- – – – – – SLOPES
- ——— CUT JOINTS

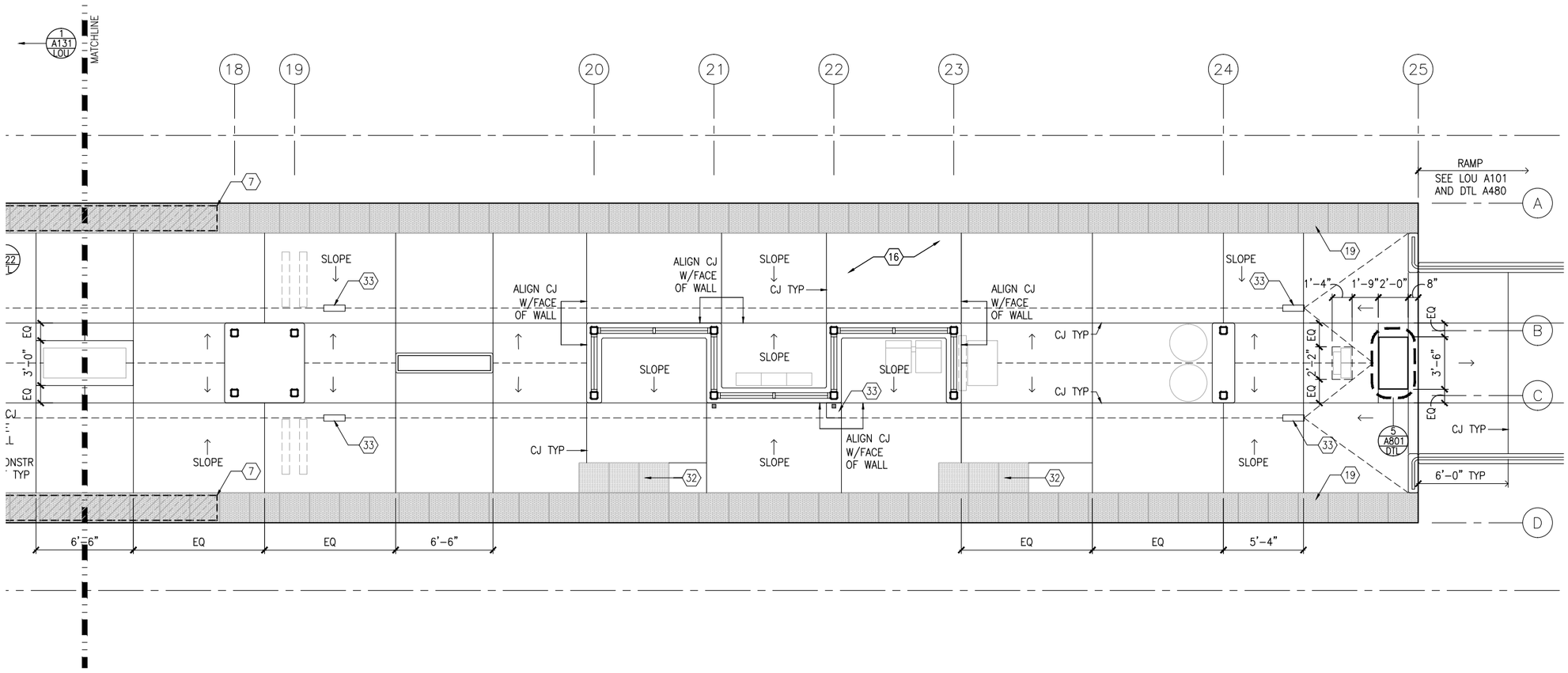
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3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

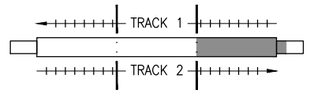
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32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL



1 EAST PARTIAL PAVEMENT PLAN
SCALE: 1/8"=1'–0"

0 2 4 8
SCALE



KEYPLAN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

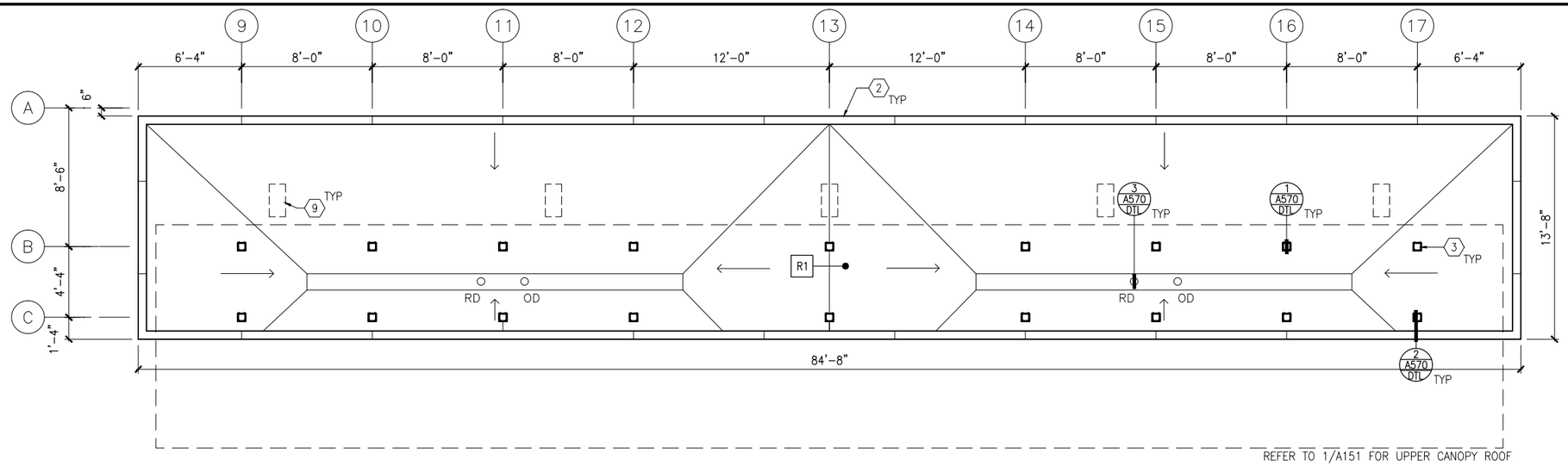
CIVIL - VOLUME 11C
LOUISIANA STATION
EAST PARTIAL PAVEMENT PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-LOU-ARC-PLN-132

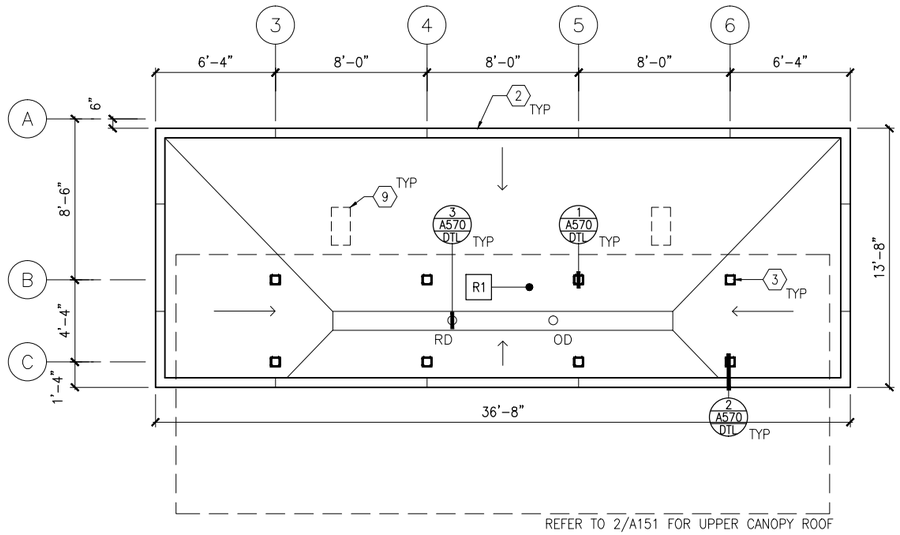
SHEET 150 OF 510

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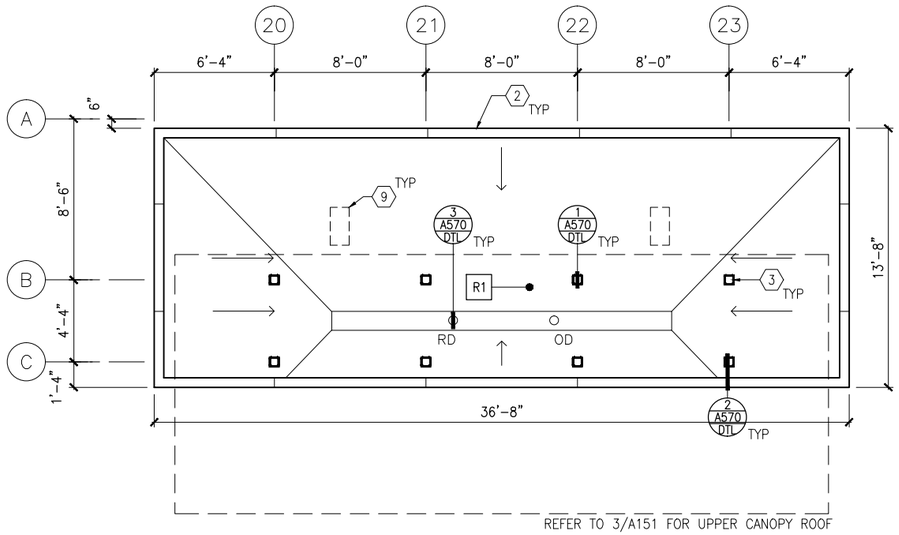
1 ALTERNATE ROOF PLAN – MIDDLE LOWER CANOPY
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 ALTERNATE ROOF PLAN – WEST LOWER CANOPY
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



3 ALTERNATE ROOF PLAN – EAST LOWER CANOPY
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. ROOF SLOPE IS 1/4" PER FT UNO
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ALUMINUM STOREFRONT AND TRANSLUCENT GLAZING SYSTEM
2. ALUMINUM COMPOSITE PANEL COPING
3. STEEL COLUMN – SEE STRUCTURAL
4. STEEL BEAM ABOVE – SEE STRUCTURAL
5. PREFINISHED METAL SCUPPER
6. PREFINISHED METAL GUTTER, SLOPE TO DOWNSPOUTS
7. ROOF BASE FLASHING
8. SUMP
9. CONCRETE SPLASH BLOCK
10. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
11. ROOF EXPANSION JOINT
12. BUILDING EXPANSION JOINT
13. VENT THROUGH ROOF – SEE PLUMB
14. INTEGRAL ROOF GUTTER – SLOPE TO DOWNSPOUTS BELOW
15. MECHANICAL EQUIP – SEE MECH

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- STEEL COLUMN
- OVERHEAD SUPPORT
- RD OD — ROOF DRAIN AND OVERFLOW ROOF DRAIN
- R1 — ROOF ASSEMBLY TYPE 1 BALLASTED EPDM
- R2 — ROOF ASSEMBLY TYPE 2 PRECAST PAVER OVER EPDM
- R3 — ROOF ASSEMBLY TYPE 3 SAME AS TYPE 2 WITH R_ INSULATION

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

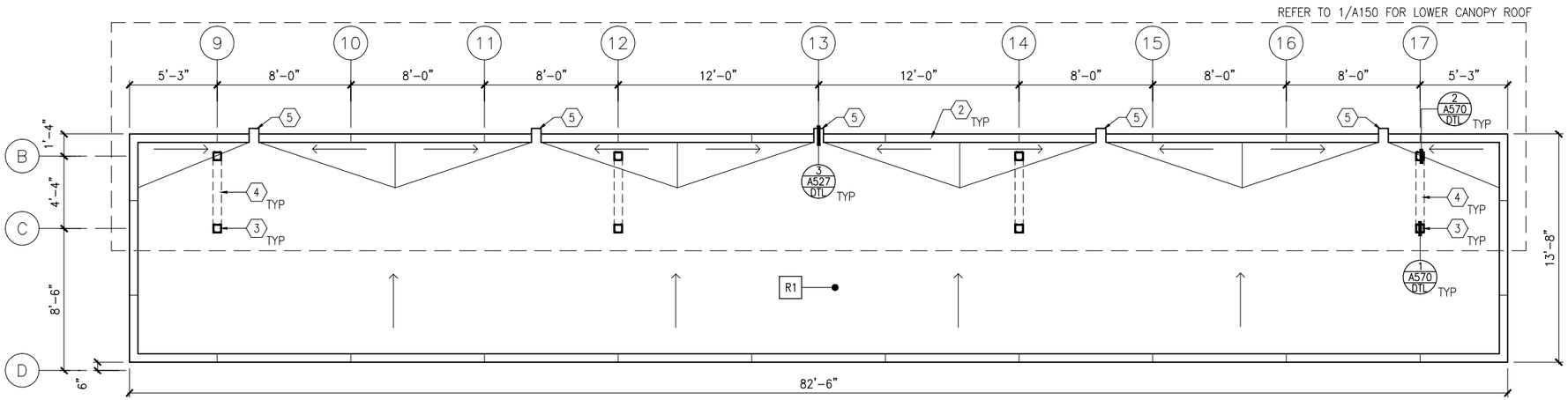
CIVIL - VOLUME 11C
LOUISIANA STATION
LOWER ROOF PLANS

DISCIPLINE: ARCHITECTURE

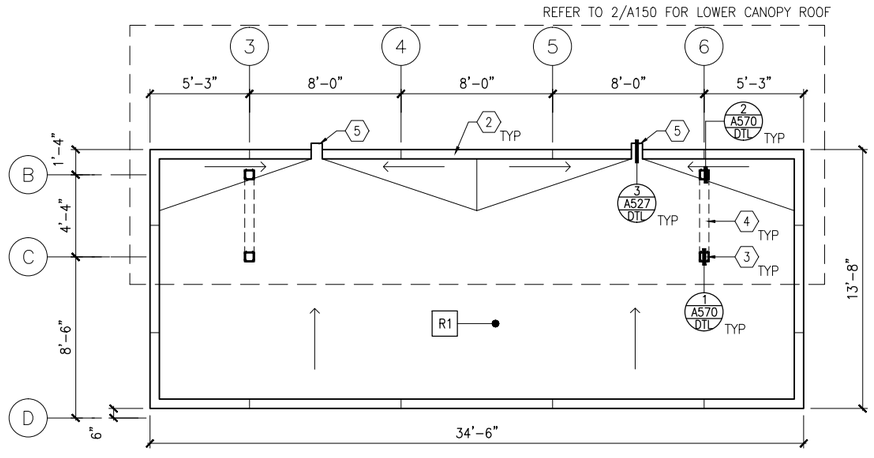
SHEET NAME: E2-LOU-ARC-PLN-150

SHEET 151 OF 510

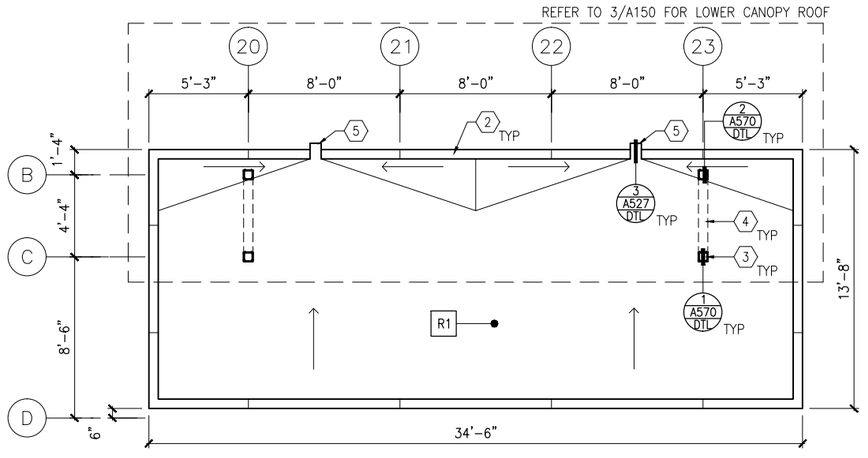
Jan, 18 2016 11:21 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-PLN-150.dwg By: MurphySP



1 ROOF PLAN – MIDDLE UPPER CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE



2 ROOF PLAN – WEST UPPER CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE



3 ROOF PLAN – EAST UPPER CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE

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7. ROOF BASE FLASHING
8. SUMP
9. CONCRETE SPLASH BLOCK
10. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
11. ROOF EXPANSION JOINT
12. BUILDING EXPANSION JOINT
13. VENT THROUGH ROOF – SEE PLUMB
14. INTEGRAL ROOF GUTTER – SLOPE TO DOWNSPOUTS BELOW
15. MECHANICAL EQUIP – SEE MECH

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- STEEL COLUMN
- OVERHEAD SUPPORT
- RD OD — ROOF DRAIN AND OVERFLOW ROOF DRAIN
- R1 — ROOF ASSEMBLY TYPE 1 BALLASTED EPDM
- R2 — ROOF ASSEMBLY TYPE 2 PRECAST PAVER OVER EPDM
- R3 — ROOF ASSEMBLY TYPE 3 SAME AS TYPE 2 WITH R_ INSULATION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

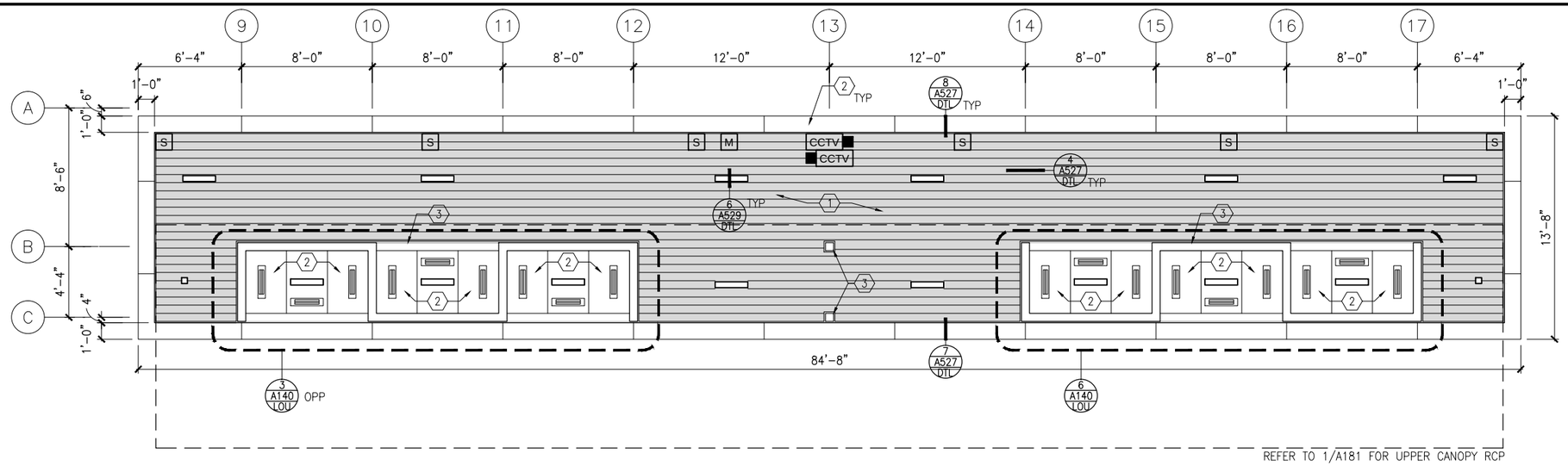
CIVIL - VOLUME 11C
LOUISIANA STATION
UPPER ROOF PLANS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-LOU-ARC-PLN-151

SHEET 152 OF 510

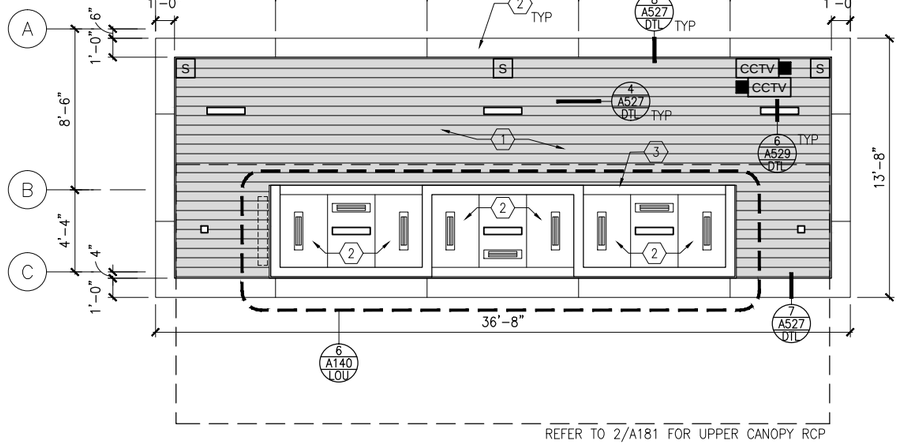
Jan, 18 2016 11:22 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-PLN-151.dwg By: MurphySP



1 REFLECTED CEILING PLAN – MIDDLE LOWER CANOPY

SCALE: 1/8"=1'-0"

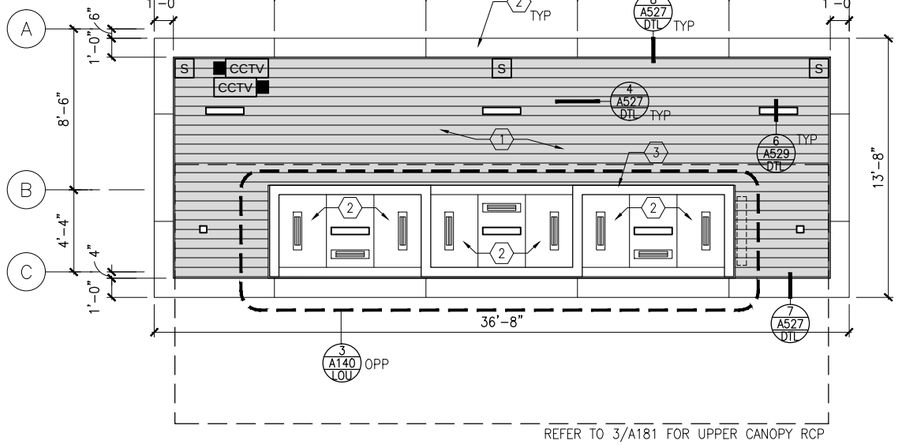
SCALE 0 2 4 8



2 REFLECTED CEILING PLAN – WEST LOWER CANOPY

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



3 REFLECTED CEILING PLAN – EAST LOWER CANOPY

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. EXTERIOR LINEAR METAL CEILING SOFFIT IN SHADED AREA
2. ALUMINUM COMPOSITE PANEL SOFFIT
3. PROVIDE MATCHING CEILING TRIM AROUND STEEL COLUMN AND/OR SHELTERS
4. PC CONC WALKWAY – SEE STRUCT
5. PC CONC STAIR – SEE STRUCT
6. EXPOSED STRUCTURE – SEE STRUCTURAL
7. ACOUSTIC CEILING
8. ACCESS PANELS FOR EQUIPMENT ACCESS
9. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- S SPEAKER
- M MICROPHONE
- C SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN
- LAY-IN ACOUSTIC CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING
- LED LINEAR LIGHT FIXTURE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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SOUTHWEST Green Line LRT Extension

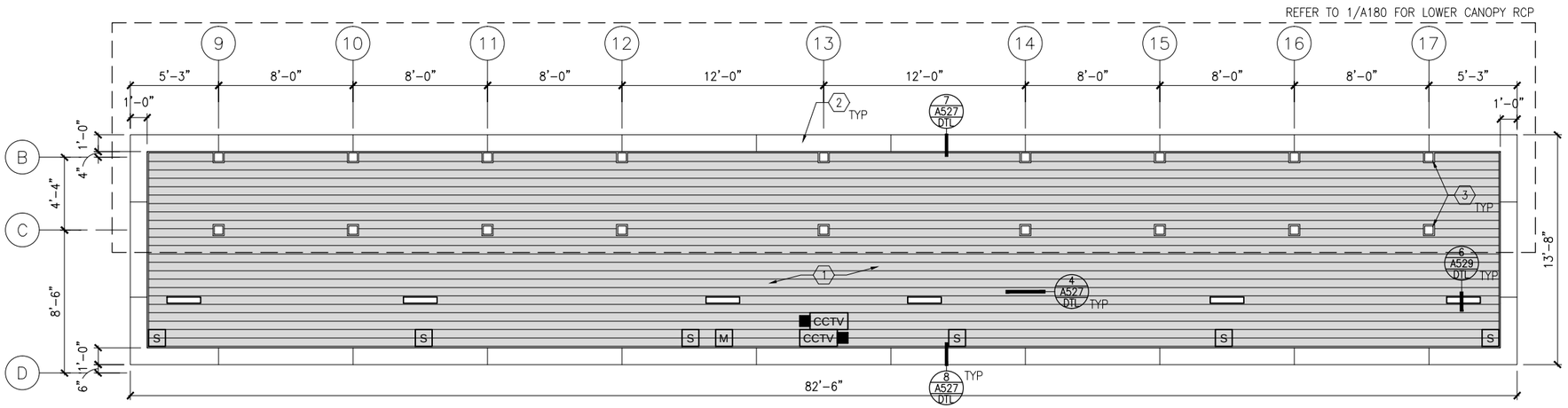
CIVIL - VOLUME 11C
LOUISIANA STATION
REFLECTED CEILING PLANS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-LOU-ARC-RCP-180

SHEET 153 OF 510

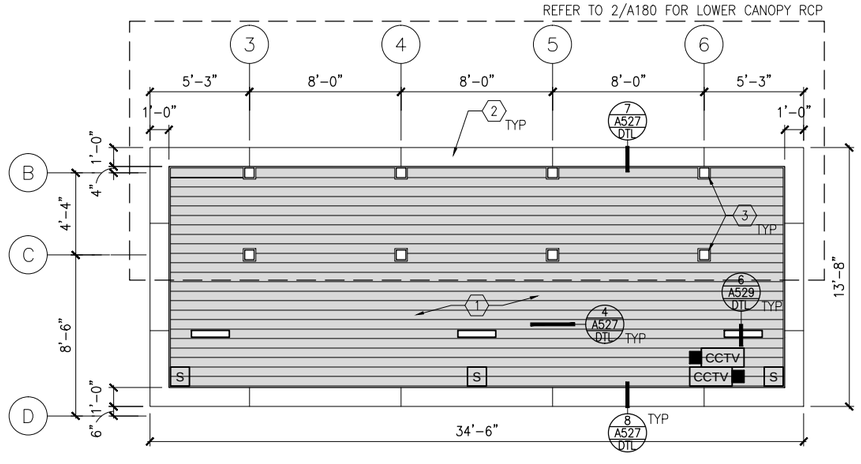
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1 REFLECTED CEILING PLAN – MIDDLE UPPER CANOPY

SCALE: 1/8"=1'-0"

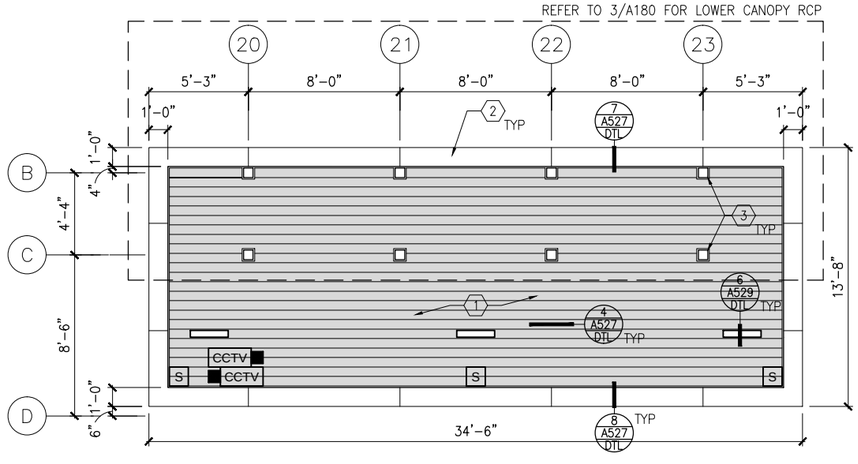
0 2 4 8
SCALE



2 REFLECTED CEILING PLAN – WEST UPPER CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



3 REFLECTED CEILING PLAN – EAST UPPER CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. EXTERIOR LINEAR METAL CEILING SOFFIT IN SHADED AREA
2. ALUMINUM COMPOSITE PANEL SOFFIT
3. PROVIDE MATCHING CEILING TRIM AROUND STEEL COLUMN AND/OR SHELTERS
4. PC CONC WALKWAY – SEE STRUCT
5. PC CONC STAIR – SEE STRUCT
6. EXPOSED STRUCTURE – SEE STRUCTURAL
7. ACOUSTIC CEILING
8. ACCESS PANELS FOR EQUIPMENT ACCESS
9. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- S SPEAKER
- M MICROPHONE
- C SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN
- LAY-IN ACOUSTIC CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING
- LED LINEAR LIGHT FIXTURE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

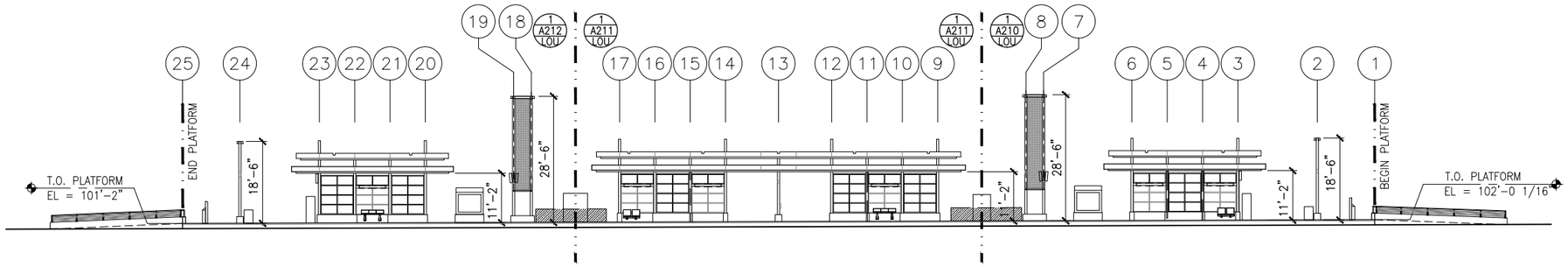
CIVIL - VOLUME 11C
LOUISIANA STATION
REFLECTED CEILING PLANS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-LOU-ARC-RCP-181

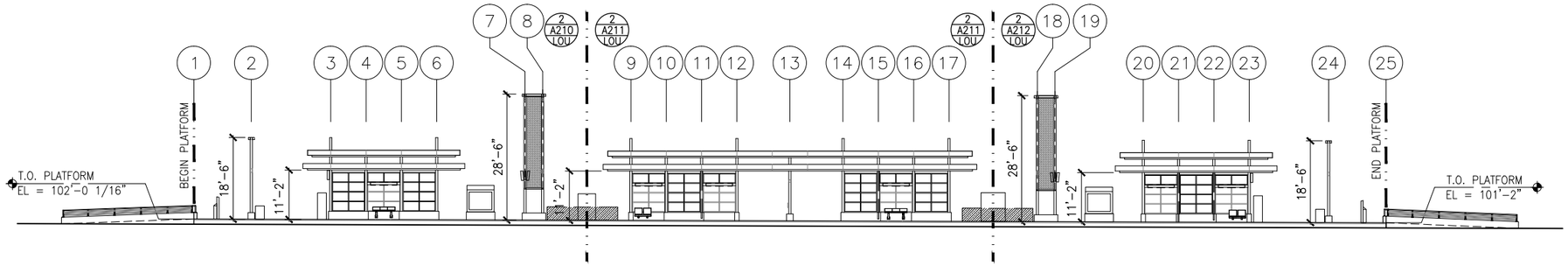
SHEET 154 OF 510

Jan, 18 2016 11:23 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-RCP-181.dwg By: MurphySP



1 TRACK 1 ELEVATION

SCALE: 1"=30' 0 7.5 15 30 SCALE (-0.31% SLOPE)*



2 TRACK 2 ELEVATION

SCALE: 1"=30' 0 7.5 15 30 SCALE (-0.31% SLOPE)*

*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

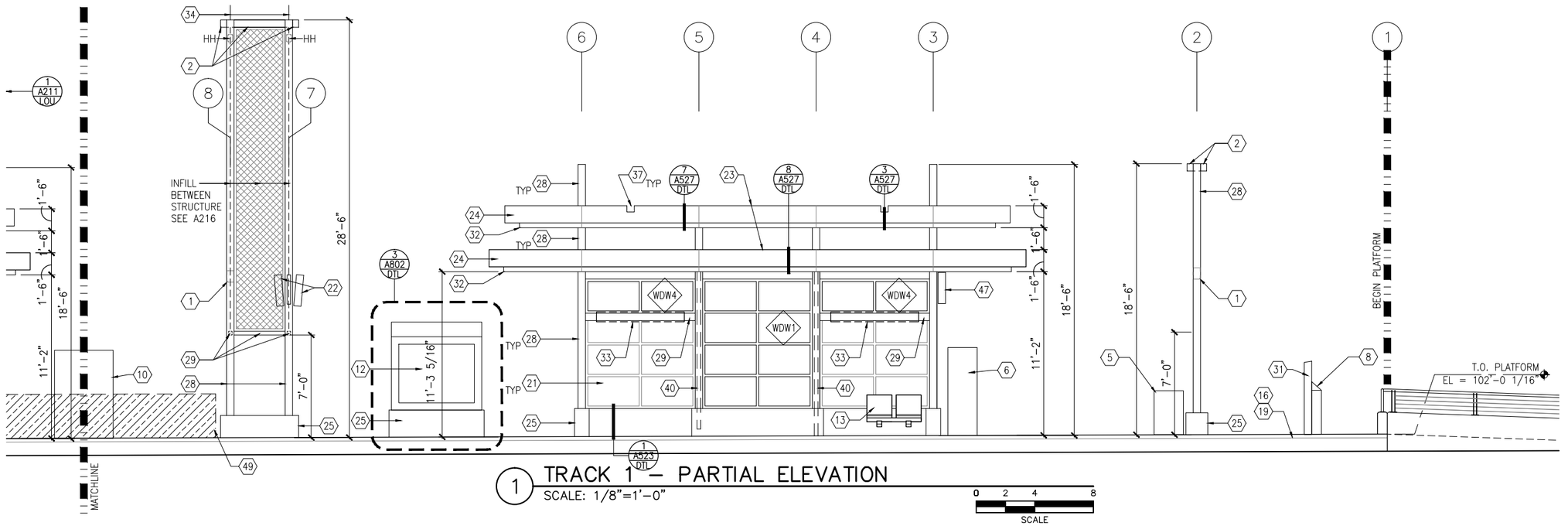
CIVIL - VOLUME 11C
LOUISIANA STATION
ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-LOU-ARC-ELV-200

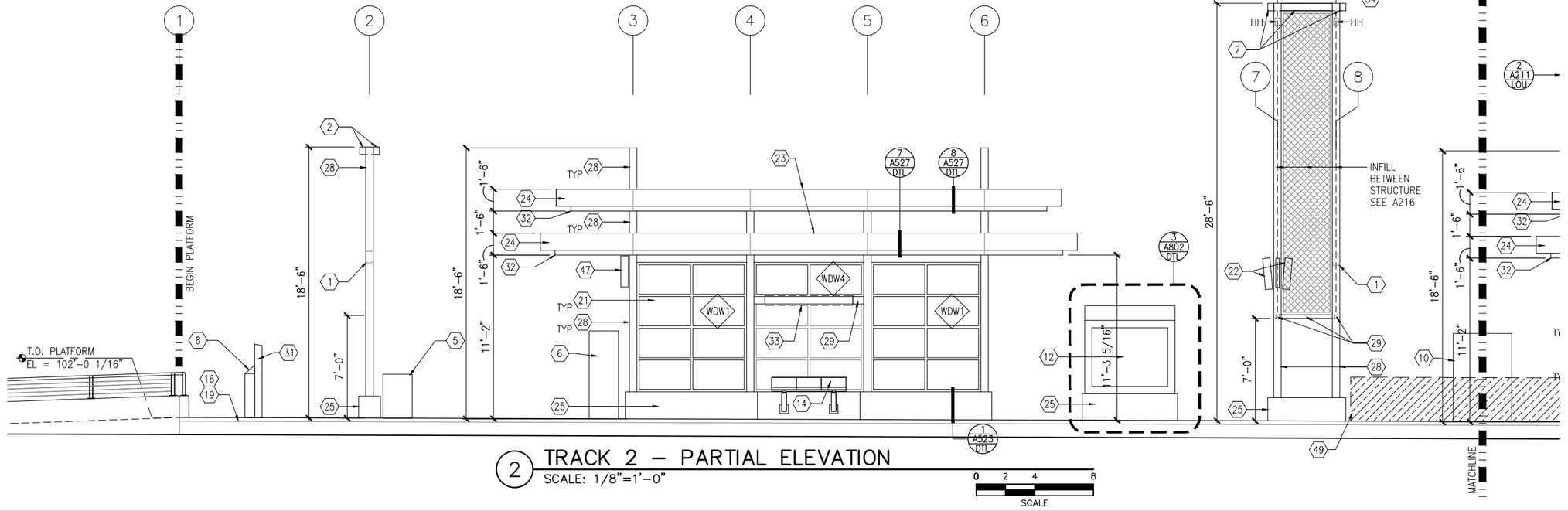
SHEET 155 OF 510

Jan, 18 2016 11:23 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-ELV-200.dwg By: MurphySP



1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. LIGHTNING ROD – SEE ELECTRICAL
35. PC CONC WALL PANEL
36. CAST IRON DOWNSPOUT – PAINT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
41. DOWNSPOUT NOZZLE – SEE PLUMBING
42. SECONDARY STEEL FRAMING – SEE STRUCTURAL
43. DOOR – SEE DOOR SCHEDULE
44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

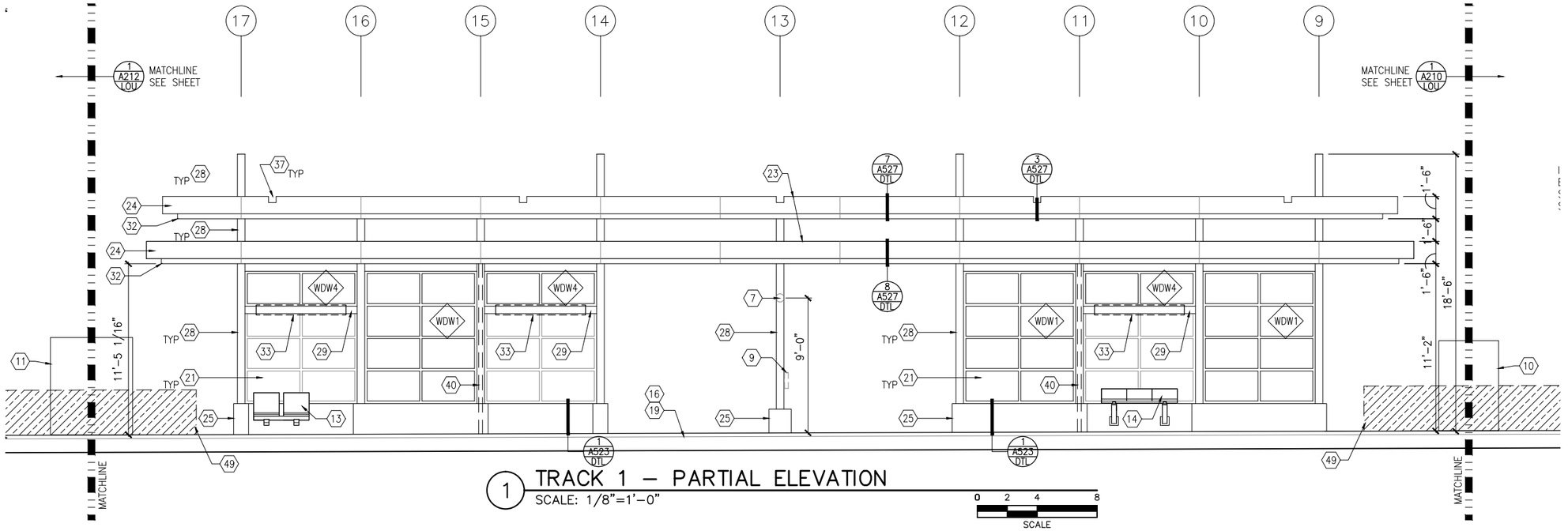
CIVIL - VOLUME 11C
LOUISIANA STATION
WEST PARTIAL ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-LOU-ARC-ELV-210

SHEET 156 OF 510

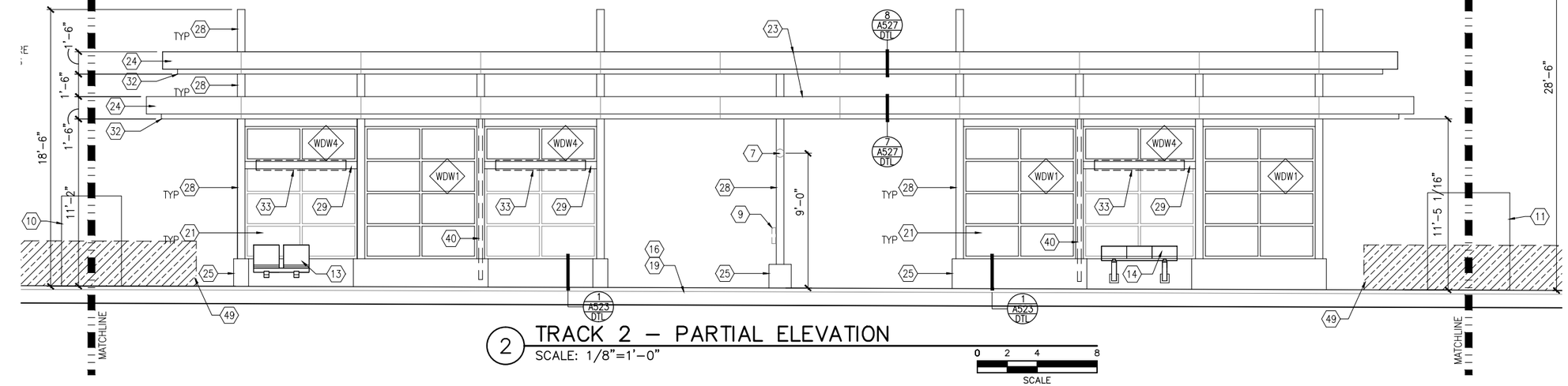
Jan, 18 2016 11:24 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-ELV-210.dwg By: MurphySP



1 TRACK 1 – PARTIAL ELEVATION

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



2 TRACK 2 – PARTIAL ELEVATION

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. LIGHTNING ROD – SEE ELECTRICAL
35. PC CONC WALL PANEL
36. CAST IRON DOWNSPOUT – PAINT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
41. DOWNSPOUT NOZZLE – SEE PLUMBING
42. SECONDARY STEEL FRAMING – SEE STRUCTURAL
43. DOOR – SEE DOOR SCHEDULE
44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

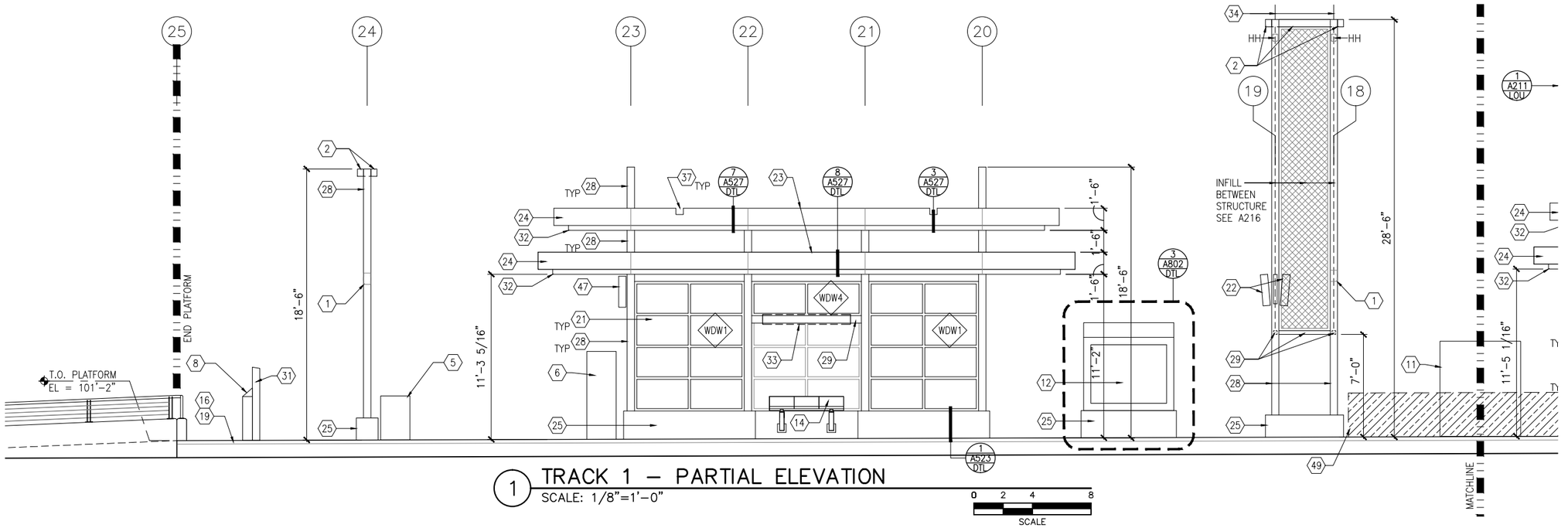
CIVIL - VOLUME 11C
LOUISIANA STATION
MIDDLE PARTIAL ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-LOU-ARC-ELV-211

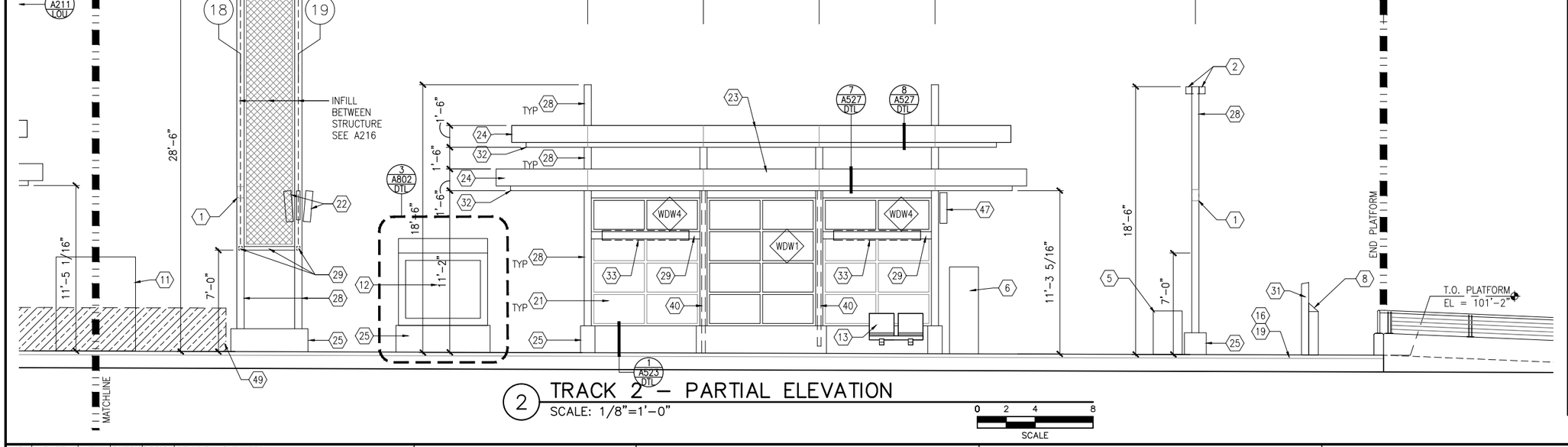
SHEET 157 OF 510

Jan, 18 2016 11:24 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-ELV-211.dwg By: MurphySP



1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
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39. LOUVER WITH MOTORIZED DAMPER
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44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

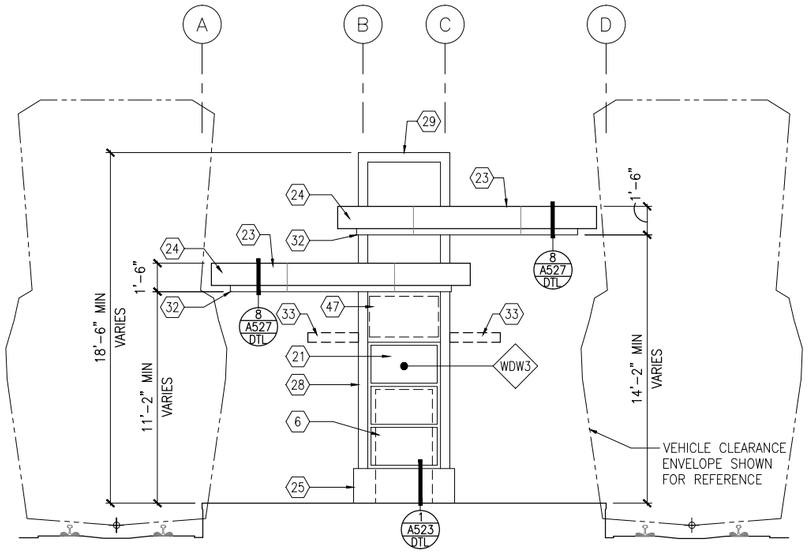
CIVIL - VOLUME 11C
LOUISIANA STATION
EAST PARTIAL ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E1-LOU-ARC-ELV-212

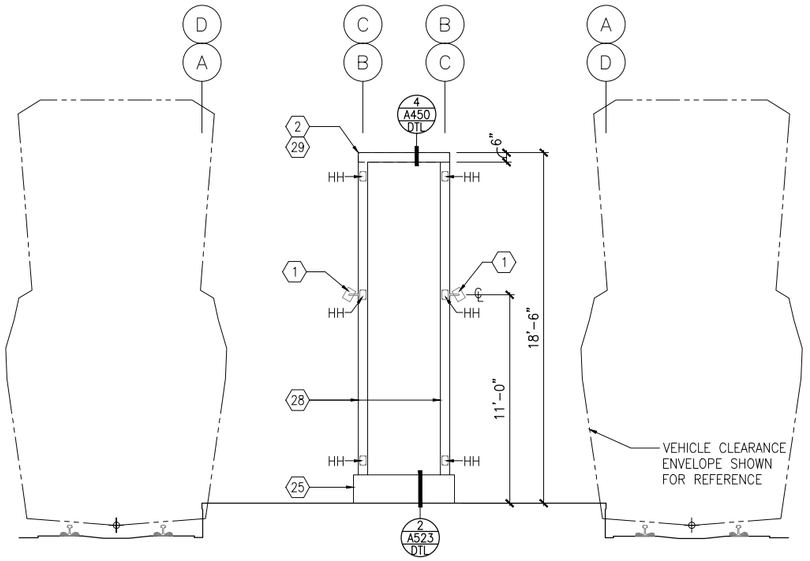
SHEET 158 OF 510

Jan, 18 2016 11:25 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-ELV-212.dwg By: MurphySP



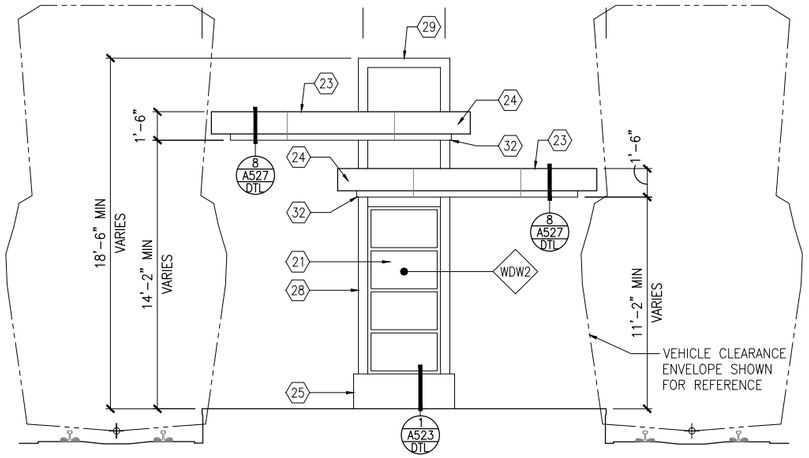
1 SIDE ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



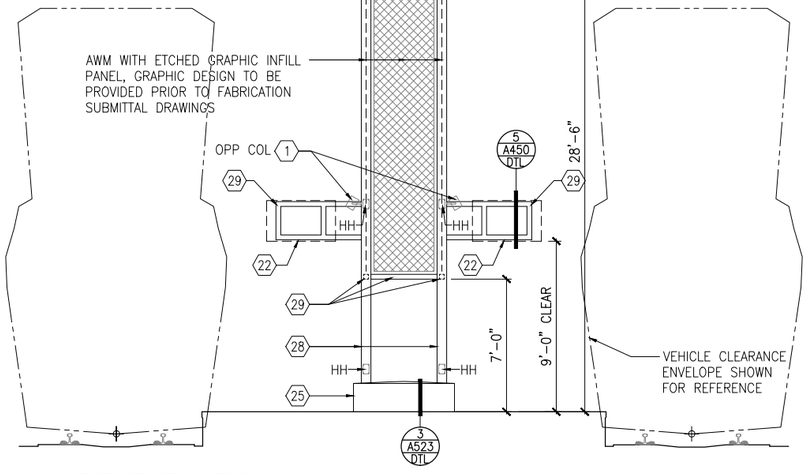
2 SIDE ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



3 SIDE ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



4 SIDE ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. LIGHTNING ROD – SEE ELECTRICAL
35. PC CONC WALL PANEL
36. CAST IRON DOWNSPOUT – PAINT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
41. DOWNSPOUT NOZZLE – SEE PLUMBING
42. SECONDARY STEEL FRAMING – SEE STRUCTURAL
43. DOOR – SEE DOOR SCHEDULE
44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

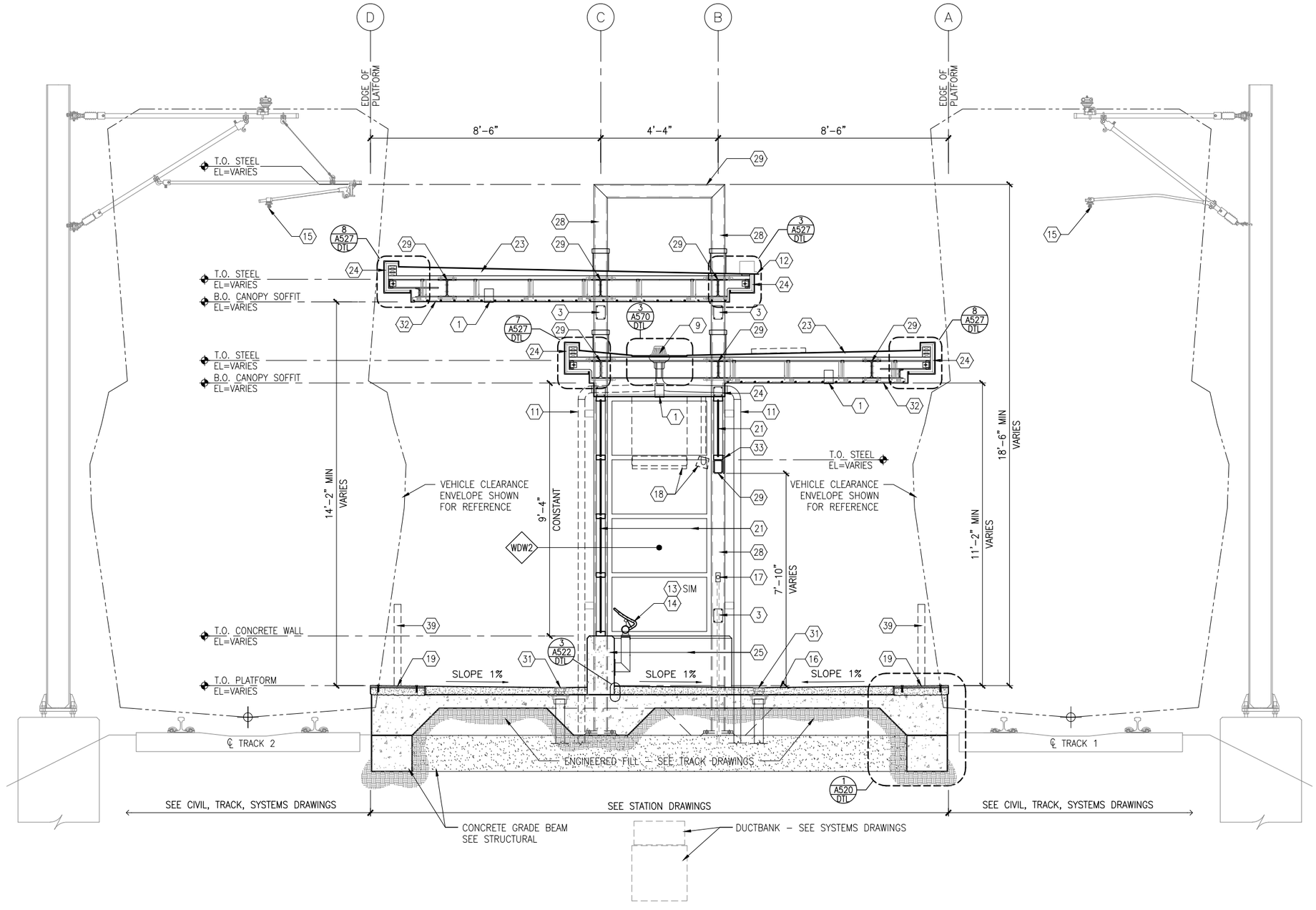
CIVIL - VOLUME 11C
LOUISIANA STATION
SIDE ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-LOU-ARC-ELV-216

SHEET 159 OF 510

Jan. 18 2016 11:25 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-ELV-216.dwg By: MurphySP



1 TYPICAL PLATFORM SECTION

SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA – SEE ELEC
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. EMERGENCY TELEPHONE – SEE ELEC
9. ROOF DRAIN – SEE PLUMBING
10. PRE-FINISHED METAL GUTTER
11. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYSTEMS (NIC)
16. CONCRETE PLATFORM
17. HEATER CONTROL – SEE ELEC
18. INFRARED HEATER – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. AREA DRAIN – SEE PLUMBING
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. PC CONC WALKWAY – SEE STRUCT
35. PC CONC STAIR – SEE STRUCT
36. PC CONC WALL PANEL
37. SECONDARY STEEL FRAMING – SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R- ROOF TYPE – SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

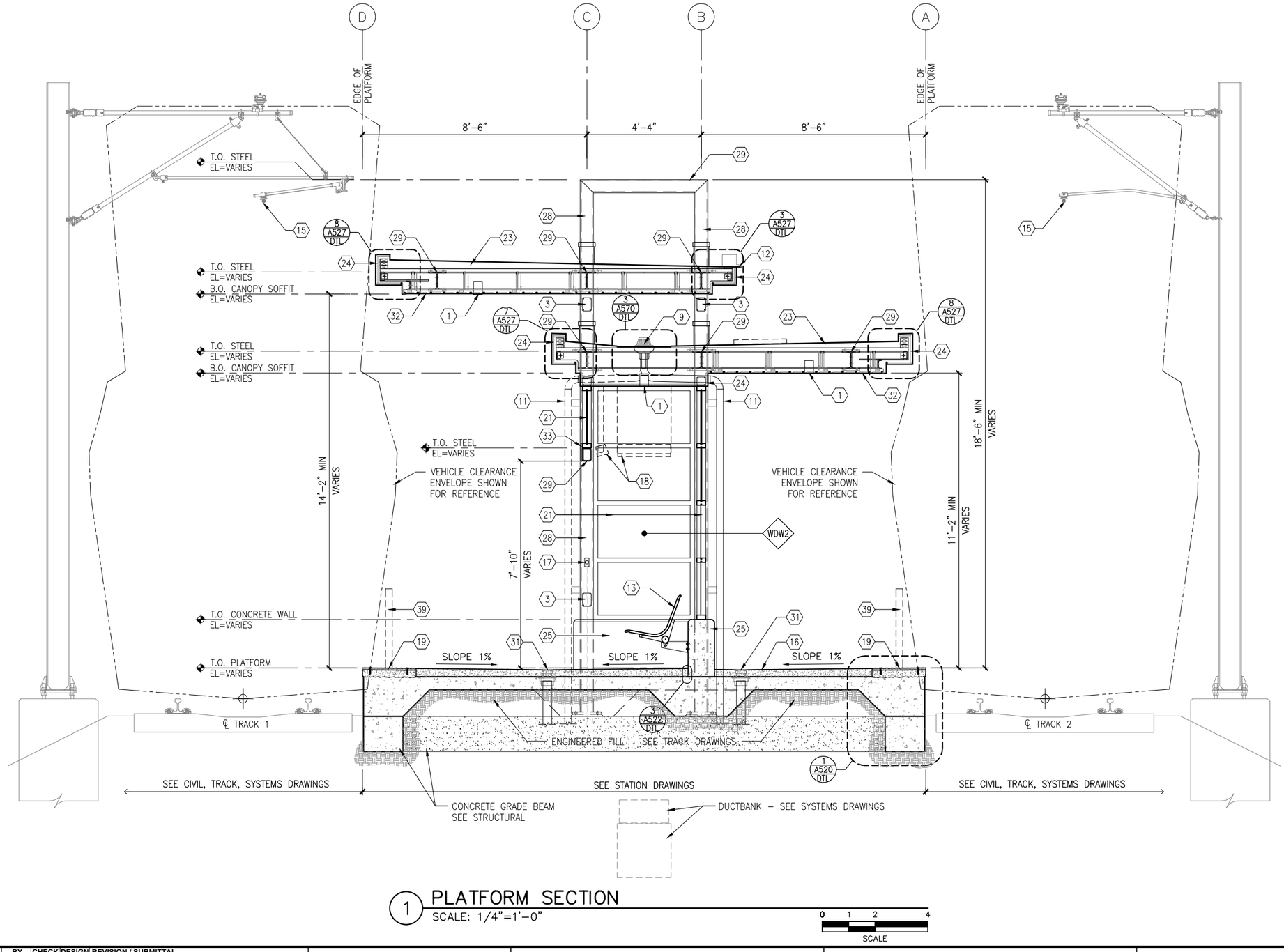
CIVIL - VOLUME 11C
LOUISIANA STATION
TYPICAL PLATFORM SECTION

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-LOU-ARC-SCT-300

SHEET 160 OF 510

Jan, 18 2016 11:26 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-SCT-300.dwg By: MurphySP



1 PLATFORM SECTION

SCALE: 1/4"=1'-0"

0 1 2 4

SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA – SEE ELEC
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. EMERGENCY TELEPHONE – SEE ELEC
9. ROOF DRAIN – SEE PLUMBING
10. PRE-FINISHED METAL GUTTER
11. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYSTEMS (NIC)
16. CONCRETE PLATFORM
17. HEATER CONTROL – SEE ELEC
18. INFRARED HEATER – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. AREA DRAIN – SEE PLUMBING
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. PC CONC WALKWAY – SEE STRUCT
35. PC CONC STAIR – SEE STRUCT
36. PC CONC WALL PANEL
37. SECONDARY STEEL FRAMING – SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R- ROOF TYPE – SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

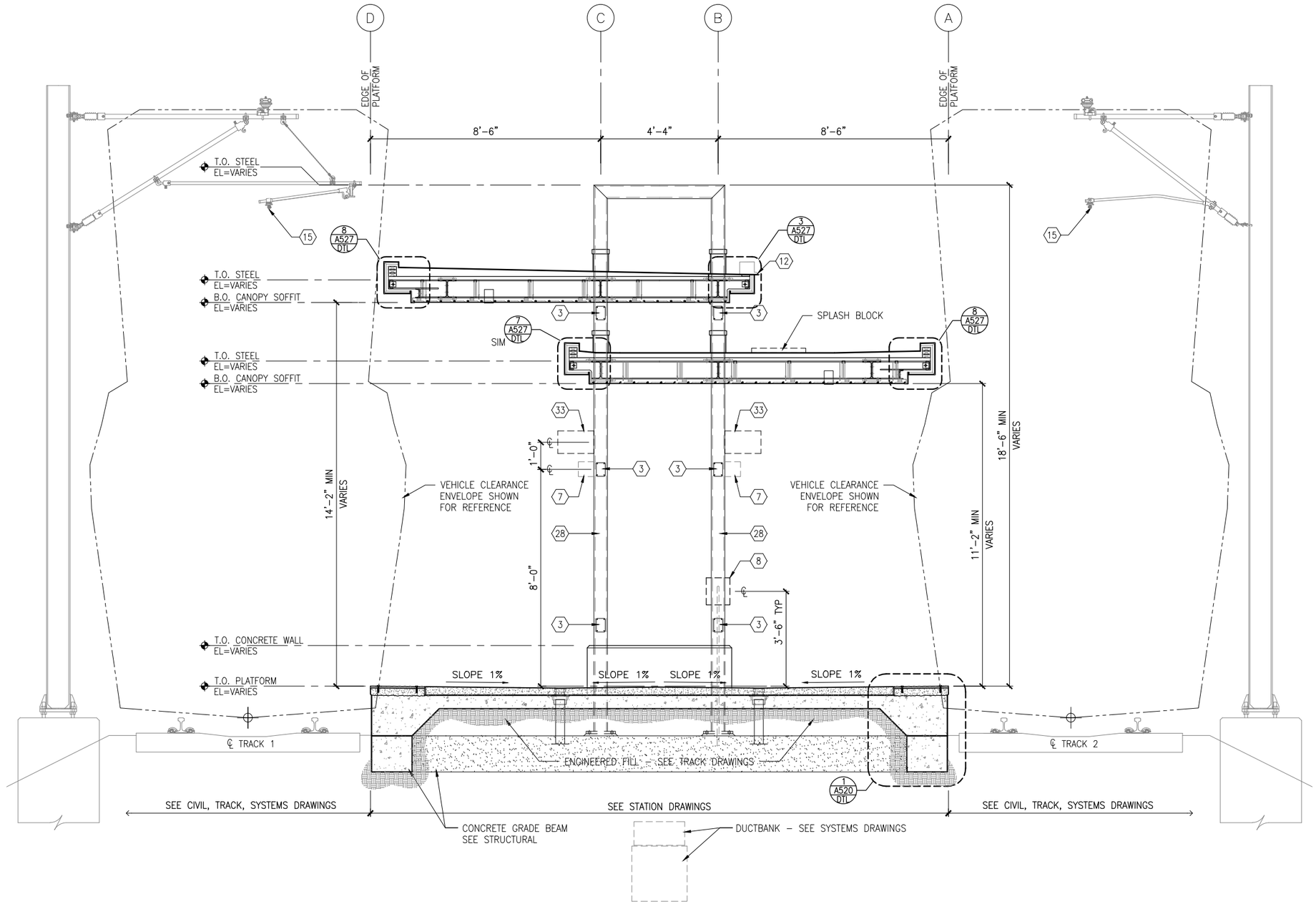
CIVIL - VOLUME 11C
LOUISIANA STATION
PLATFORM SECTION

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-LOU-ARC-SCT-301

SHEET 161 OF 510

Jan, 18 2016 11:26 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-SCT-301.dwg By: MurphySP



1 PLATFORM SECTION

SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS
4. SEE A300 & A301 FOR SIM NOTES, DIMS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA – SEE ELEC
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. EMERGENCY TELEPHONE – SEE ELEC
9. ROOF DRAIN – SEE PLUMBING
10. PRE-FINISHED METAL GUTTER
11. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYSTEMS (NIC)
16. CONCRETE PLATFORM
17. HEATER CONTROL – SEE ELEC
18. INFRARED HEATER – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. AREA DRAIN – SEE PLUMBING
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. PC CONC WALKWAY – SEE STRUCT
35. PC CONC STAIR – SEE STRUCT
36. PC CONC WALL PANEL
37. SECONDARY STEEL FRAMING – SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R- ROOF TYPE – SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

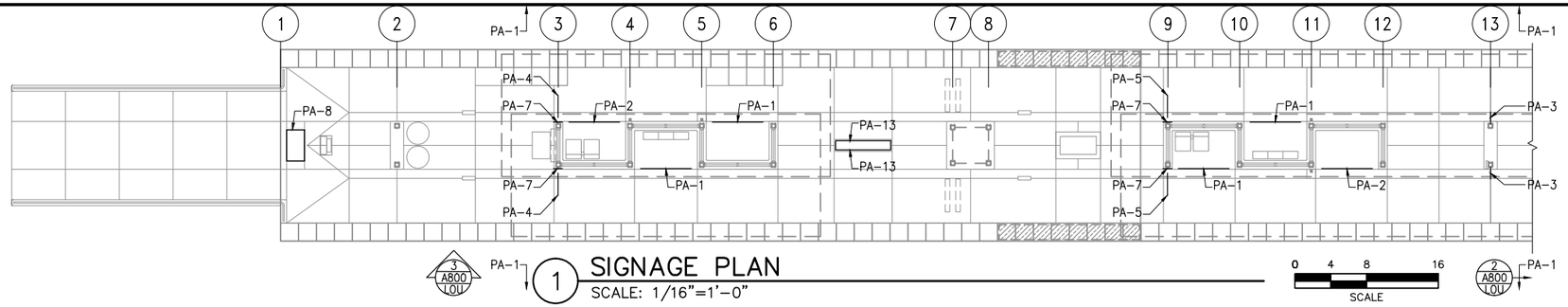
CIVIL - VOLUME 11C
LOUISIANA STATION
PLATFORM SECTION

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-LOU-ARC-SCT-302

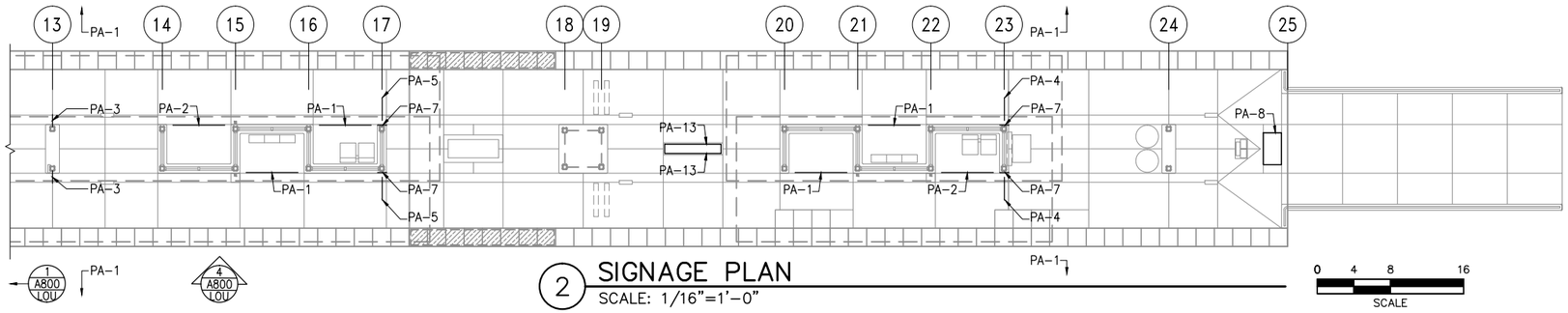
SHEET 162 OF 510

Jan. 18 2016 11:27 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-SCT-302.dwg By: MurphySP



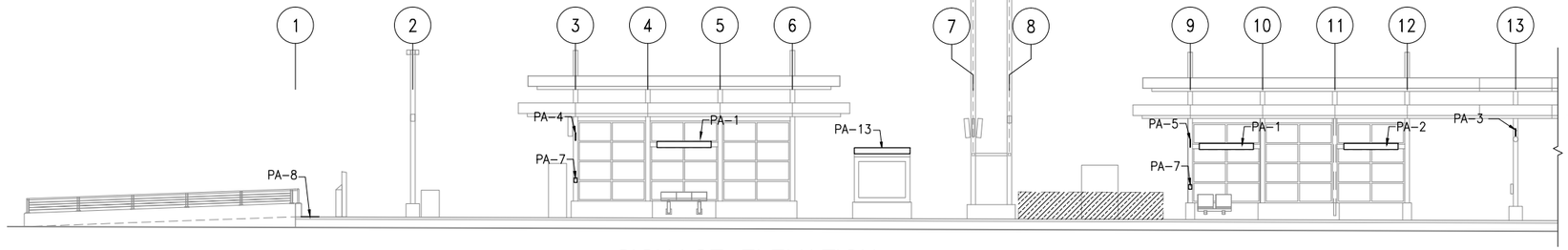
1 SIGNAGE PLAN
SCALE: 1/16"=1'-0"

0 4 8 16
SCALE



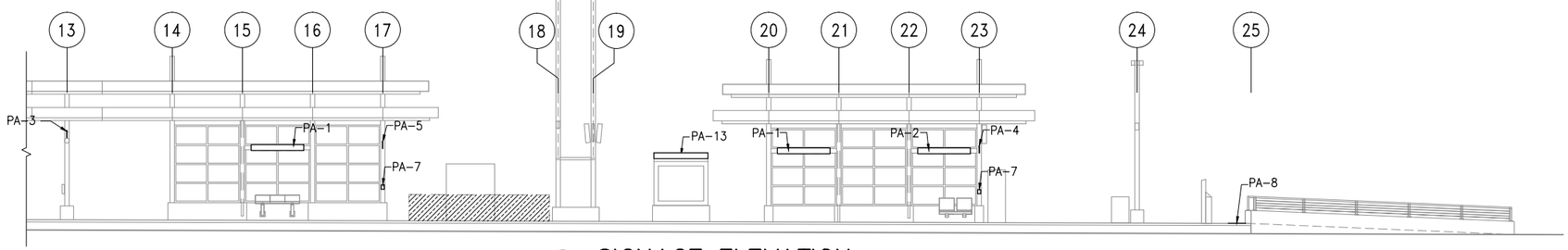
2 SIGNAGE PLAN
SCALE: 1/16"=1'-0"

0 4 8 16
SCALE



3 SIGNAGE ELEVATION
SCALE: 1/16"=1'-0"

0 4 8 16
SCALE



4 SIGNAGE ELEVATION
SCALE: 1/16"=1'-0"

0 4 8 16
SCALE

GENERAL SHEET NOTES

1. ALL SIGNAGE MOUNTING HEIGHTS ARE FROM CENTER LINE AT BOTTOM EDGE TO TOP OF PLATFORM
2. FOR SIGNS PA-1, PA-4, PA-5 SEE SHEET DTL A801 FOR MOUNTING
3. FOR SIGNS PA-6, PA-12, PA-13, PA-14, PA-15, PA-16 SEE KIOSK AND CABINET DETAILS FOR MOUNTING
4. SEE VOLUME 11E FOR COMMON DETAILS

SIGNAGE KEY

PA-1 PA-2	1 A801 DTL
PA-3 PA-4 PA-5	2 A801 DTL
PA-6	3 A801 DTL
PA-7	4 A801 DTL
PA-8	5 A801 DTL
PA-12	6 A801 DTL
PA-13 PA-14	7 A801 DTL
PA-15	3 A803 DTL
PA-16	2 A803 DTL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

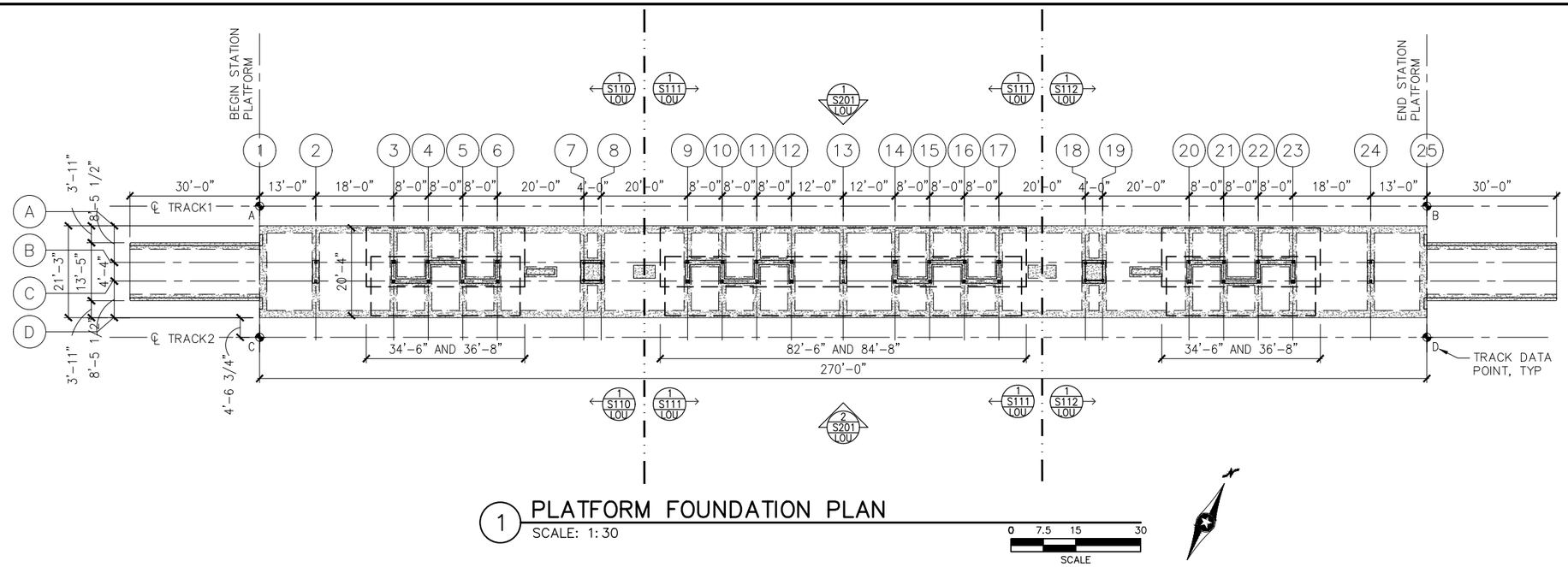
CIVIL - VOLUME 11C
LOUISIANA STATION
SIGNAGE PLANS AND ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-LOU-ARC-SGN-800

SHEET 163 OF 510

Jan, 18 2016 11:28 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-SGN-800.dwg By: MurphySP



1 PLATFORM FOUNDATION PLAN

SCALE: 1:30

0 7.5 15 30
SCALE

TRACK DATA

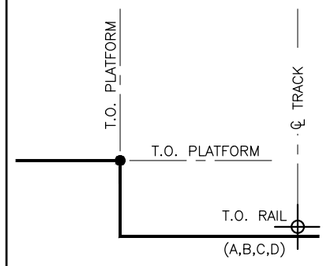
℄ ELEV 100'-0" (LOCATION ON PLAN)

TRACK 1 EL 100'-0"= 894.70 (PT 'B')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING	
A	895.54	1638+94.35	
B	894.70	1641+64.35	

TRACK 2 EL 100'-0"= 894.70 (PT 'D')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING	
C	895.54	2638+94.35	
D	894.70	2641+64.35	



SECTION DIAGRAM AT PLATFORM EDGE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
LOUISIANA STATION
PLATFORM FOUNDATION PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E2-LOU-STR-PLN-101

SHEET 164 OF 510

Jan, 14 2016 03:38 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E2\PLAN SHEETS\STRUCTURES\LOUISIANA STATION\E2-LOU-STR-PLN-101.dwg By: jordanl

LOUISIANA

LOUISIANA STATION PLATFORM

REFERENCE GRID	DISTANCE FROM BEGIN PLATFORM (FT)	T.O. TOPPING ELEVATION	T.O. STR. SLAB ELEVATION	T.O. TOPPING ELEVATION AT "L7"	B.O. BASEPLATE ELEVATION	T.O. WALL ELEVATION	T.O. HSS4X6 ELEVATION	T.O. LOWER W8X31 ELEVATION	T.O. UPPER W8X31 ELEVATION	T.O. HSS6X6X1/2 ELEVATION	H1 (T.O. SLAB TO T.O. WALL) (FT)
1	0	896.70	896.37	896.63							
2	13	896.66	896.33	896.59	894.91	898.16				915.16	1.83
3	31	896.61	896.27	896.54	894.86	898.46	904.96	908.62	911.62	915.12	2.18
4	39	896.58	896.25	896.51	894.83	898.46	904.96	908.62	911.62		2.21
5	47	896.56	896.22	896.49	894.81	898.46	904.96	908.62	911.62		2.23
6	55	896.53	896.20	896.46	894.78	898.46	904.96	908.62	911.62	915.12	2.26
WALL TRANSITION POINT 1	**61.75**	**896.51**	**896.18**	**896.44**		**898.35**					**2.17**
WALL TRANSITION POINT 2	**68.25**	**896.49**	**896.16**	**896.42**		**898.35**					**2.19**
7	75	896.47	896.14	896.40	894.72	897.97				924.97	1.83
8	79	896.46	896.13	896.39	894.71	897.97				924.97	1.85
9	99	896.40	896.06	896.33	894.65	898.25	904.75	908.41	911.41	914.91	2.18
10	107	896.37	896.04	896.30	894.62	898.25	904.75	908.41	911.41		2.21
11	115	896.35	896.01	896.28	894.60	898.25	904.75	908.41	911.41		2.23
12	123	896.32	895.99	896.25	894.57	898.25	904.75	908.41	911.41	914.91	2.26
13	135	896.29	895.95	896.22	894.54	898.12		908.41	911.41		2.17
14	147	896.25	895.91	896.18	894.50	898.25	904.75	908.41	911.41	914.91	2.33
15	155	896.22	895.89	896.15	894.47	898.25	904.75	908.41	911.41		2.36
16	163	896.20	895.87	896.13	894.45	898.25	904.75	908.41	911.41		2.38
17	171	896.17	895.84	896.10	894.42	898.25	904.75	908.41	911.41	914.91	2.41
18	191	896.11	895.78	896.04	894.36	897.61				924.61	1.83
19	195	896.10	895.77	896.03	894.35	897.61				924.61	1.85
WALL TRANSITION POINT 3	**201.75**	**896.08**	**895.74**	**896.01**		**897.91**					**2.17**
WALL TRANSITION POINT 4	**208.25**	**896.06**	**895.72**	**895.99**		**897.91**					**2.19**
20	215	896.04	895.70	895.97	894.29	897.89	904.39	908.05	911.05	914.55	2.18
21	223	896.01	895.68	895.94	894.26	897.89	904.39	908.05	911.05		2.21
22	231	895.99	895.65	895.92	894.24	897.89	904.39	908.05	911.05		2.23
23	239	895.96	895.63	895.89	894.21	897.89	904.39	908.05	911.05	914.55	2.26
24	257	895.91	895.57	895.84	894.16	897.41				914.41	1.83
25	270	895.87	895.53	895.80							

GENERAL NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.

REFERENCE TABLE NOTES

1. TOP OF PLATFORM ELEVATION (TOPPING SLAB) SHALL BE 4"(±) ABOVE TOP OF STRUCTURAL SLAB ELEVATION AS INDICATED IN TABLE.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

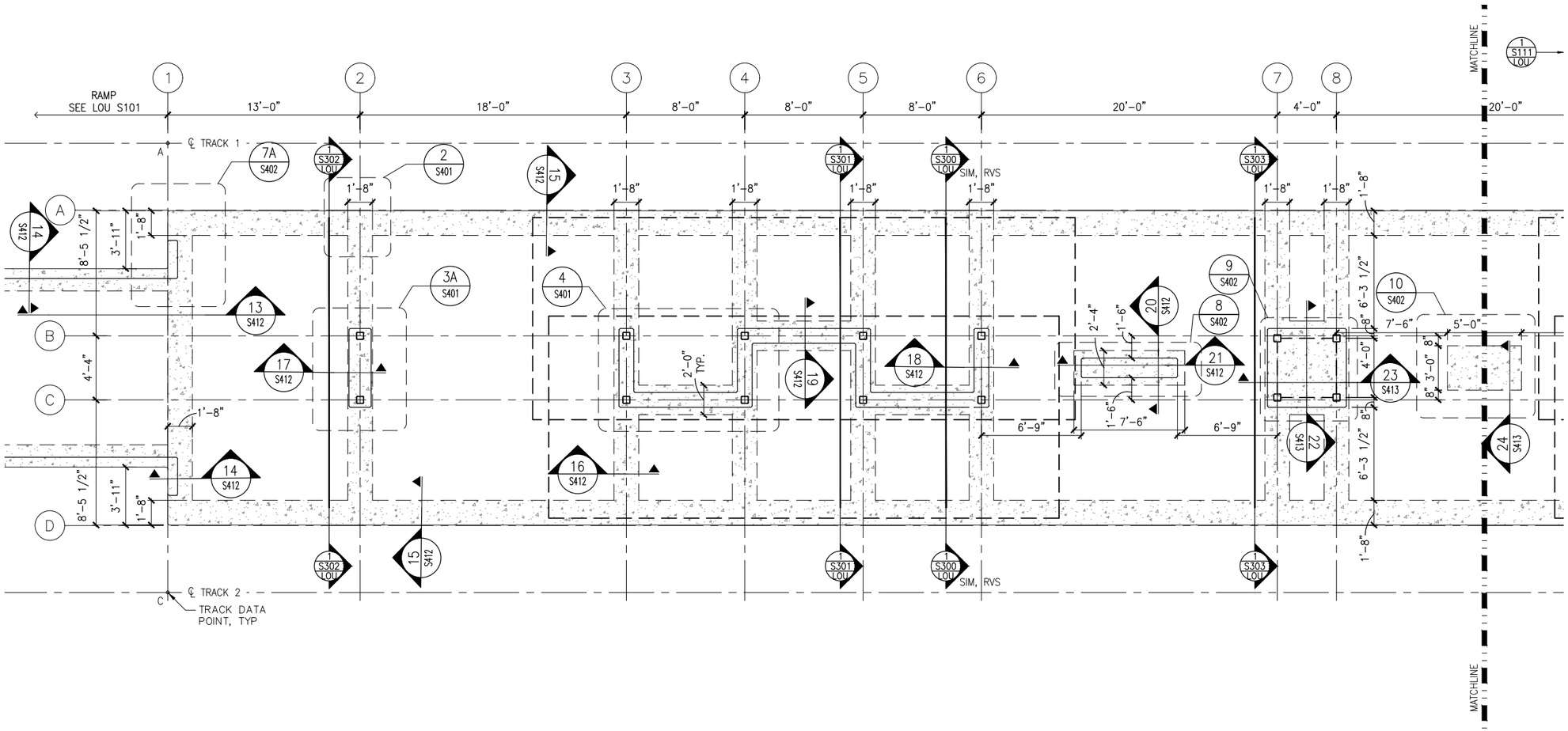
CIVIL - VOLUME 11C
LOUISIANA STATION
STATION REFERENCE TABLE

DISCIPLINE: STRUCTURES

SHEET NAME: E2-LOU-STR-SCH-102

SHEET 165 OF 510

Jan. 14 2016 03:40 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E2\PLAN SHEETS\STRUCTURES\LOUISIANA STATION\E2-LOU-STR-SCH-102.dwg By: jordanl



1 WEST PARTIAL FOUNDATION PLAN
SCALE: 1/8"=1'–0"

0 2 4 8
SCALE

GENERAL NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.
3. SEE VOLUME 11E FOR COMMON DETAILS.

FLOOR PLAN NOTES

1. FOR HEIGHTS AND LOCATIONS OF KNEE WALLS, SEE ARCH. DWGS.
2. FOR TYPICAL COLUMN BASE PLATE DETAILS SEE DWG. XXXXXX.
3. "GB–X" INDICATES GRADE BEAM MARK.
4. SLAB ON GRADE SHALL BEAR ON ENGINEERED FILL, REINF. W/ 4x4–W4.0xW4.0 W.W.F. TOP, W/ 1" CLR. COVER.

SCHEDULES or LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

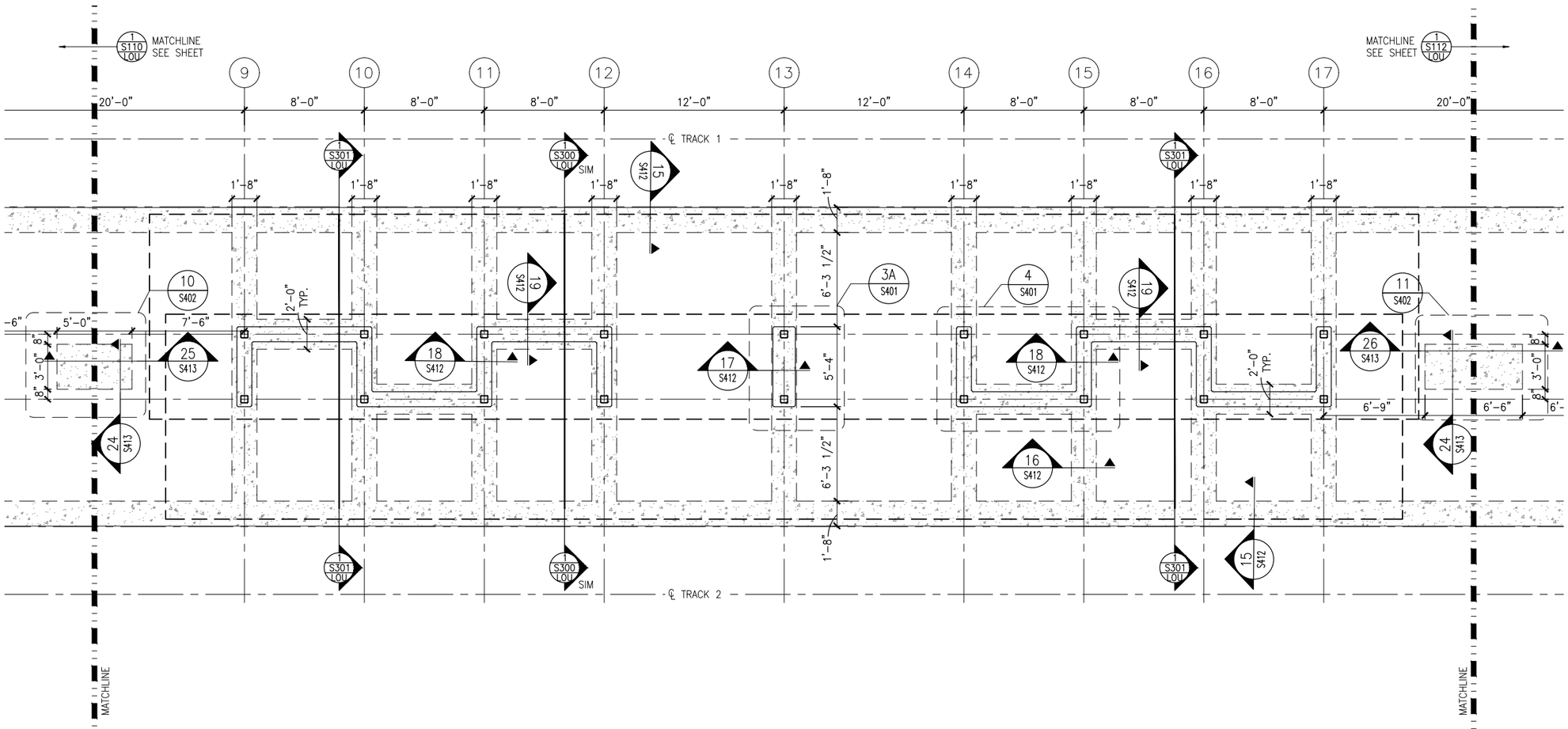
CIVIL - VOLUME 11C
LOUISIANA STATION
WEST PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E2-LOU-STR-PLN-110

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Jan, 14 2016 03:41 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E2\PLAN SHEETS\STRUCTURES\LOUISIANA STATION\E2-LOU-STR-PLN-110.dwg By: jordanl



1 MIDDLE PARTIAL FOUNDATION PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
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3. SEE VOLUME 11E FOR COMMON DETAILS.

FLOOR PLAN NOTES

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2. FOR TYPICAL COLUMN BASE PLATE DETAILS SEE DWG. XXXXXX.
3. "GB-X" INDICATES GRADE BEAM MARK.
4. SLAB ON GRADE SHALL BEAR ON ENGINEERED FILL, REINF. W/ 4x4-W4.0xW4.0 W.W.F. TOP, W/ 1" CLR. COVER.

SCHEDULES or LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

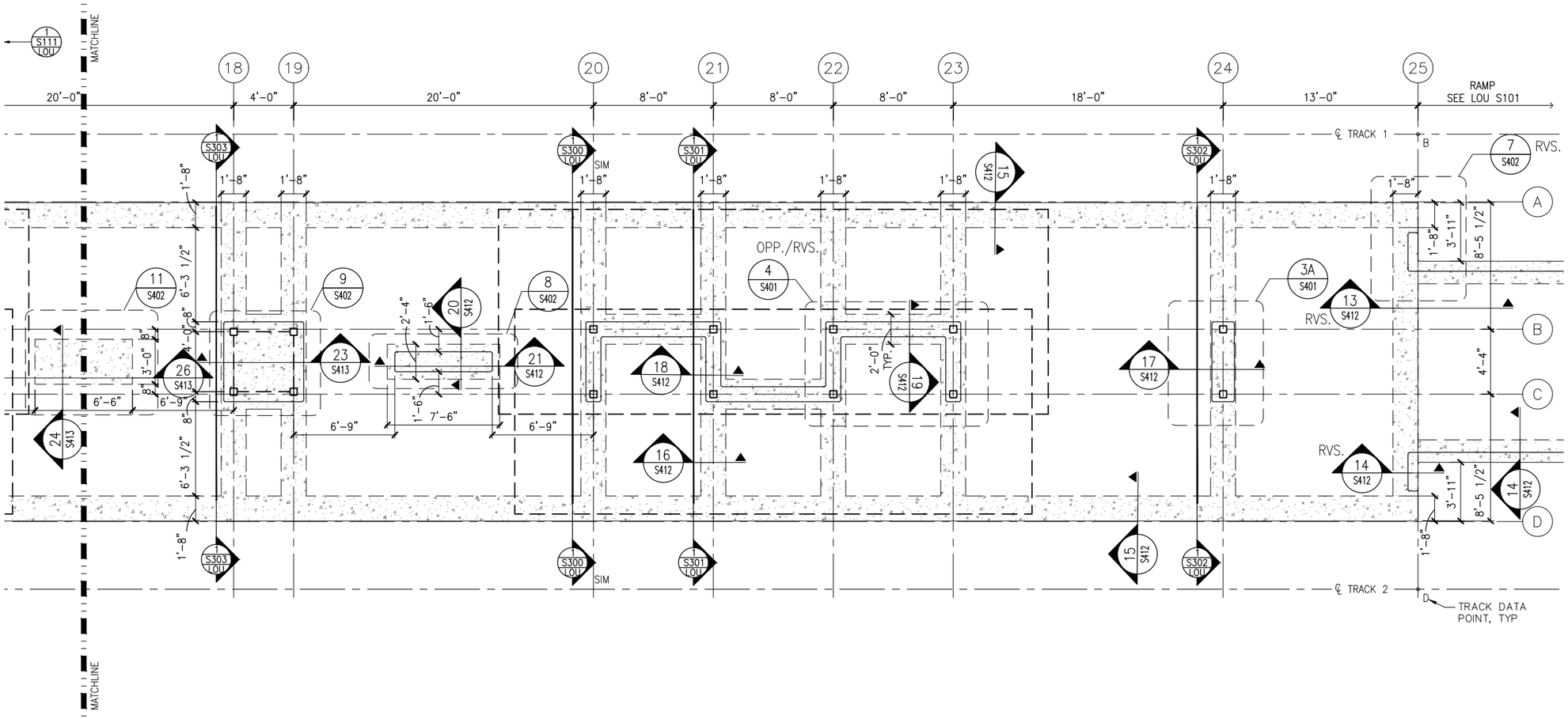
CIVIL - VOLUME 11C
LOUISIANA STATION
MIDDLE PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E2-LOU-STR-PLN-111

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1 EAST PARTIAL FOUNDATION PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
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FLOOR PLAN NOTES

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4. SLAB ON GRADE SHALL BEAR ON ENGINEERED FILL, REINF. W/ 4x4-W4.0xW4.0 W.W.F. TOP, W/ 1" CLR. COVER.

SCHEDULES or LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

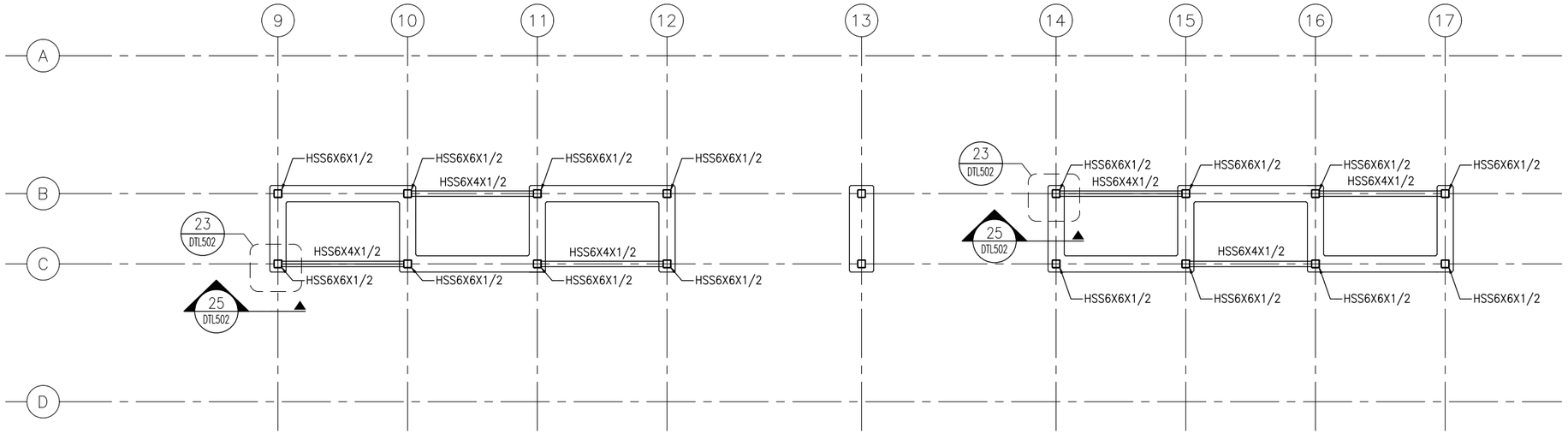
CIVIL - VOLUME 11C
LOUISIANA STATION
EAST PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES

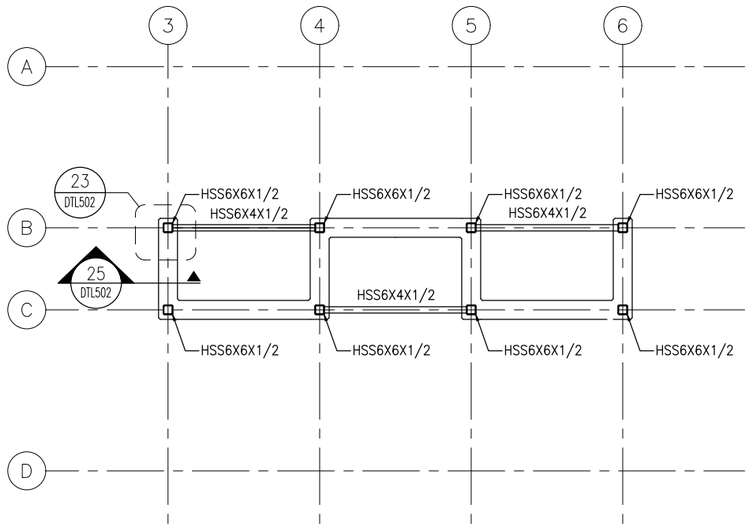
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SHEET 168 OF 510

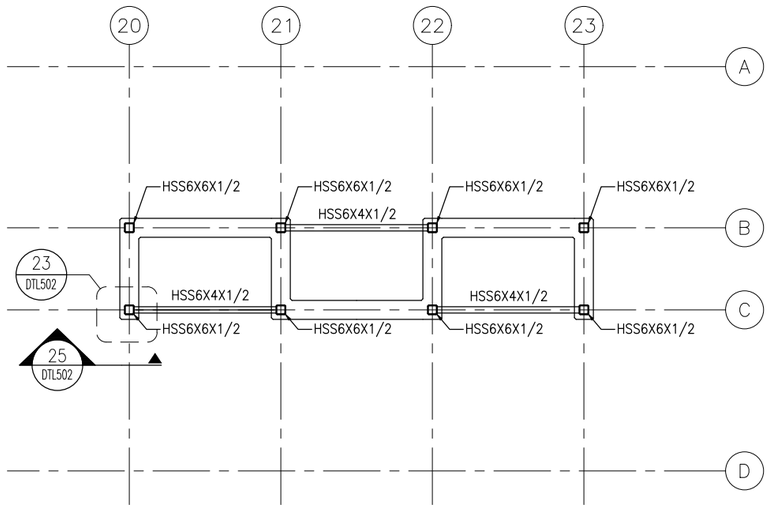
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1 INTERMEDIATE FRAMING PLAN – MIDDLE CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE



2 INTERMEDIATE FRAMING PLAN – WEST CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE



3 INTERMEDIATE FRAMING PLAN – EAST CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE

SHEET NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
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3. SEE VOLUME 11E FOR COMMON DETAILS.

KEY NOTES

1. [ ] INDICATES SPAN DIRECTION OF ROOF METAL DECK. SEE ARCH. DWGS.
2. [ ] DENOTES PREQUALIFIED SHOP OR FIELD WELDED CONNECTION.
3. BC DENOTES BOLTED CONNECTION, FOR TYPICAL BEAM TO BEAM BOLTED CONNECTIONS AND SIMILAR DETAILS SEE DWG. XXXXXXX & XXXXXXX

LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

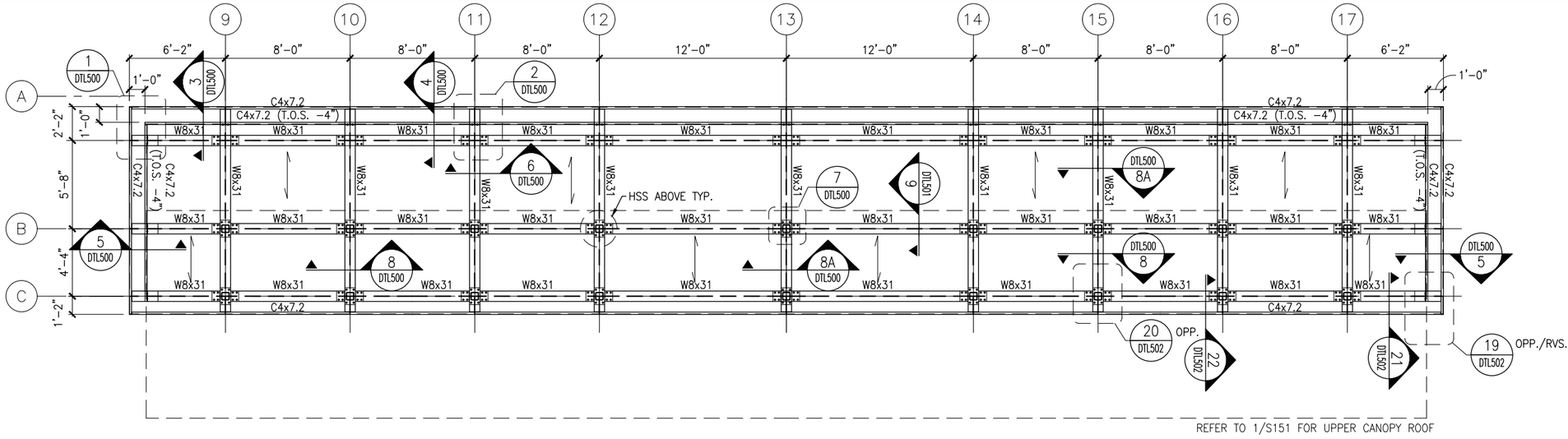
CIVIL - VOLUME 11C
LOUISIANA STATION
INTERMEDIATE FRAMING PLAN

DISCIPLINE: STRUCTURES

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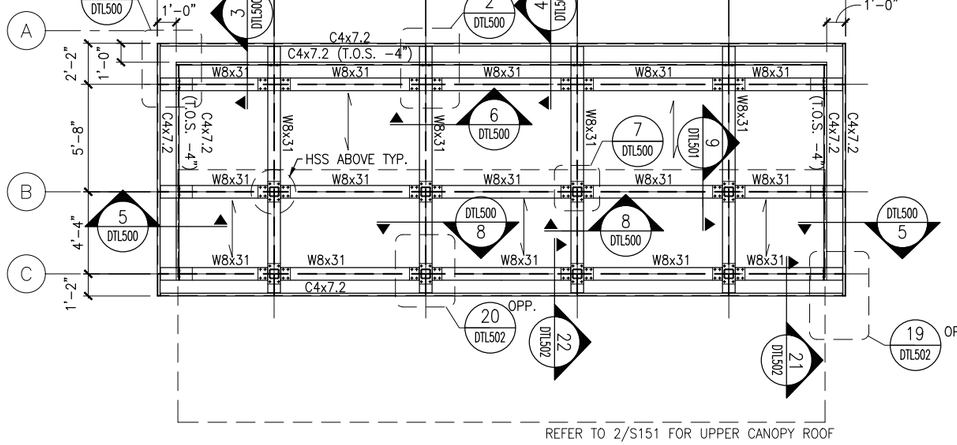
SHEET 169 OF 510

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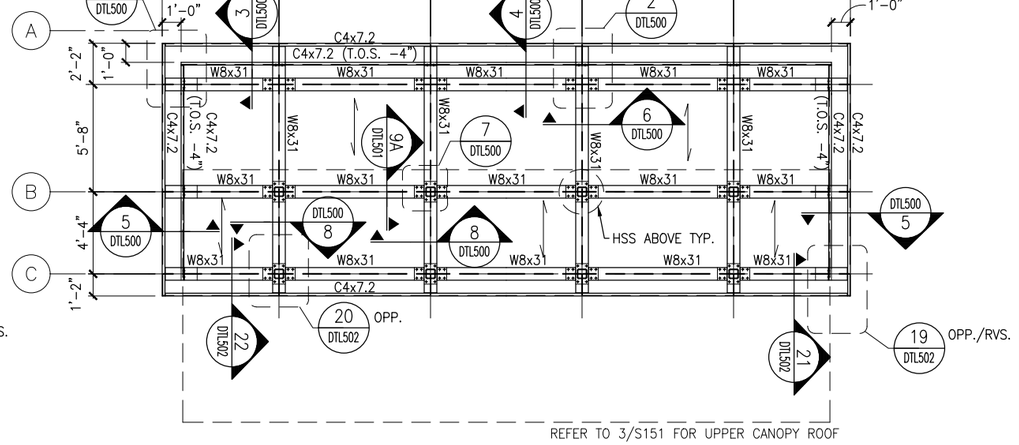
1 FRAMING PLAN – MIDDLE LOWER CANOPY
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



2 FRAMING PLAN – WEST LOWER CANOPY
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



3 FRAMING PLAN – EAST LOWER CANOPY
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

SHEET NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
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3. SEE VOLUME 11E FOR COMMON DETAILS.

KEY NOTES

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LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

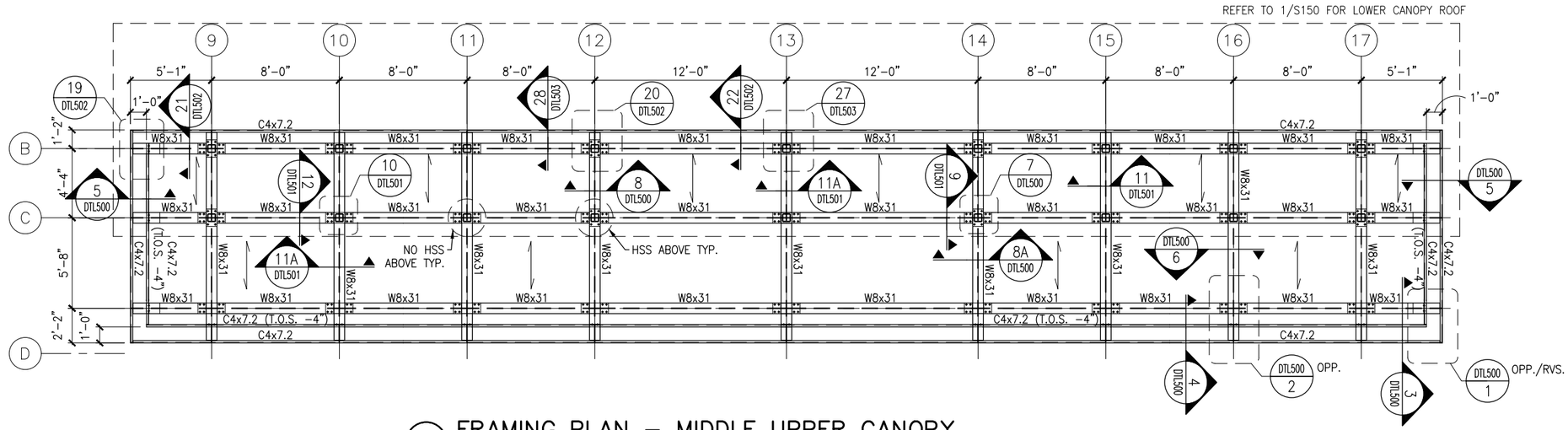
CIVIL - VOLUME 11C
LOUISIANA STATION
LOWER ROOF FRAMING PLANS

SHEET 170 OF 510

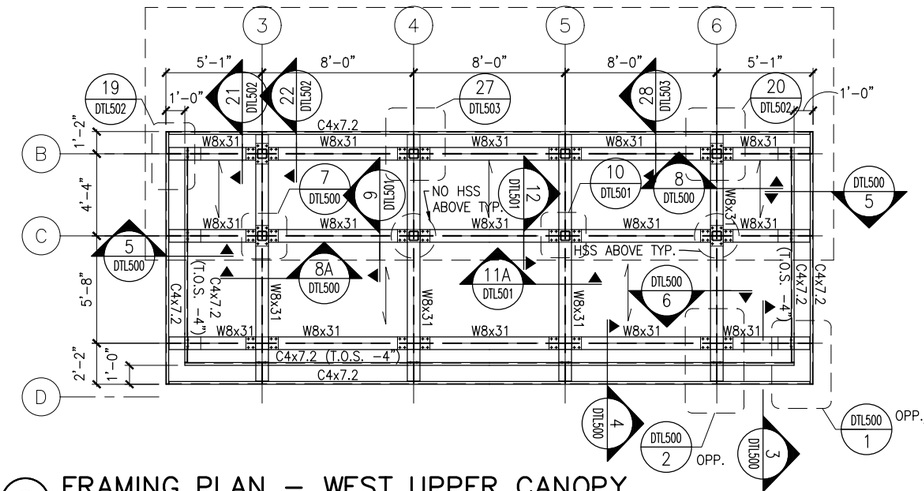
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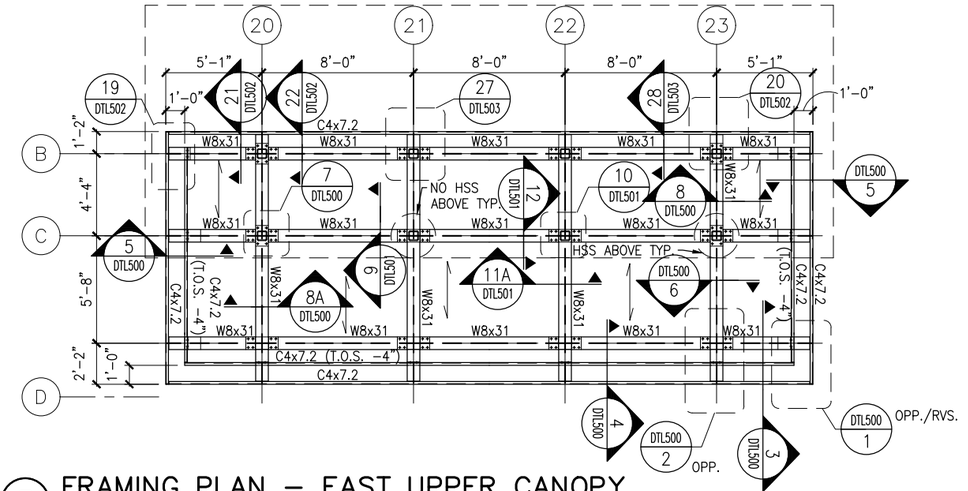
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1 FRAMING PLAN – MIDDLE UPPER CANOPY
SCALE: 1/8"=1'-0"
SCALE 0 2 4 8



2 FRAMING PLAN – WEST UPPER CANOPY
SCALE: 1/8"=1'-0"
SCALE 0 2 4 8



3 FRAMING PLAN – EAST UPPER CANOPY
SCALE: 1/8"=1'-0"
SCALE 0 2 4 8

SHEET NOTES

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3. SEE VOLUME 11E FOR COMMON DETAILS.

KEY NOTES

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2. [ ] DENOTES PREQUALIFIED SHOP OR FIELD WELDED CONNECTION.
3. BC DENOTES BOLTED CONNECTION, FOR TYPICAL BEAM TO BEAM BOLTED CONNECTIONS AND SIMILAR DETAILS SEE DWG. XXXXXXX & XXXXXXX

LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

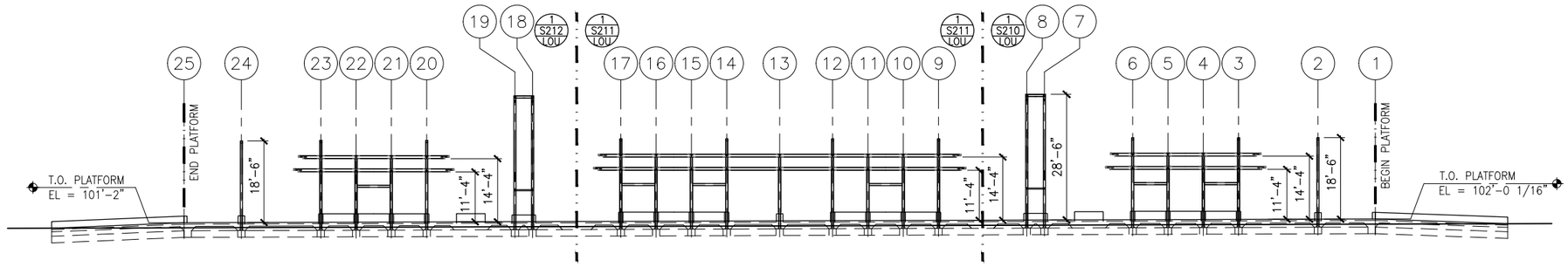
CIVIL - VOLUME 11C
LOUISIANA STATION
UPPER ROOF FRAMING PLANS

DISCIPLINE: STRUCTURES

SHEET NAME: E2-LOU-STR-PLN-151

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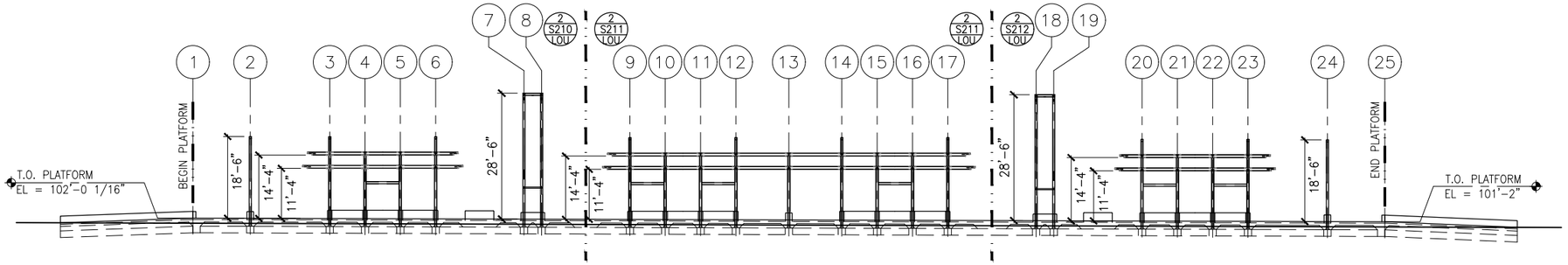


1 TRACK 1 ELEVATION – FRAMING

SCALE: 1:30 (–0.31% SLOPE)*

0 7.5 15 30

SCALE



2 TRACK 2 ELEVATION– FRAMING

SCALE: 1:30 (–0.31% SLOPE)*

0 7.5 15 30

SCALE

*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

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SOUTHWEST Green Line LRT Extension

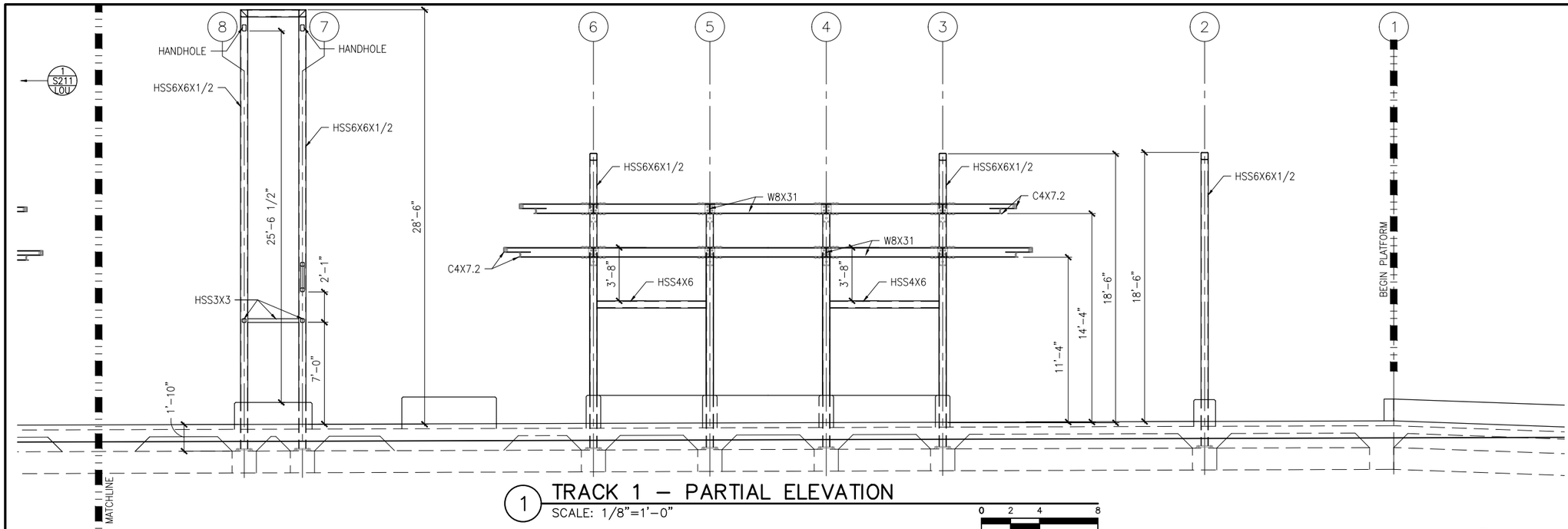
CIVIL - VOLUME 11C
LOUISIANA STATION
ELEVATIONS -- FRAMING

DISCIPLINE: STRUCTURES

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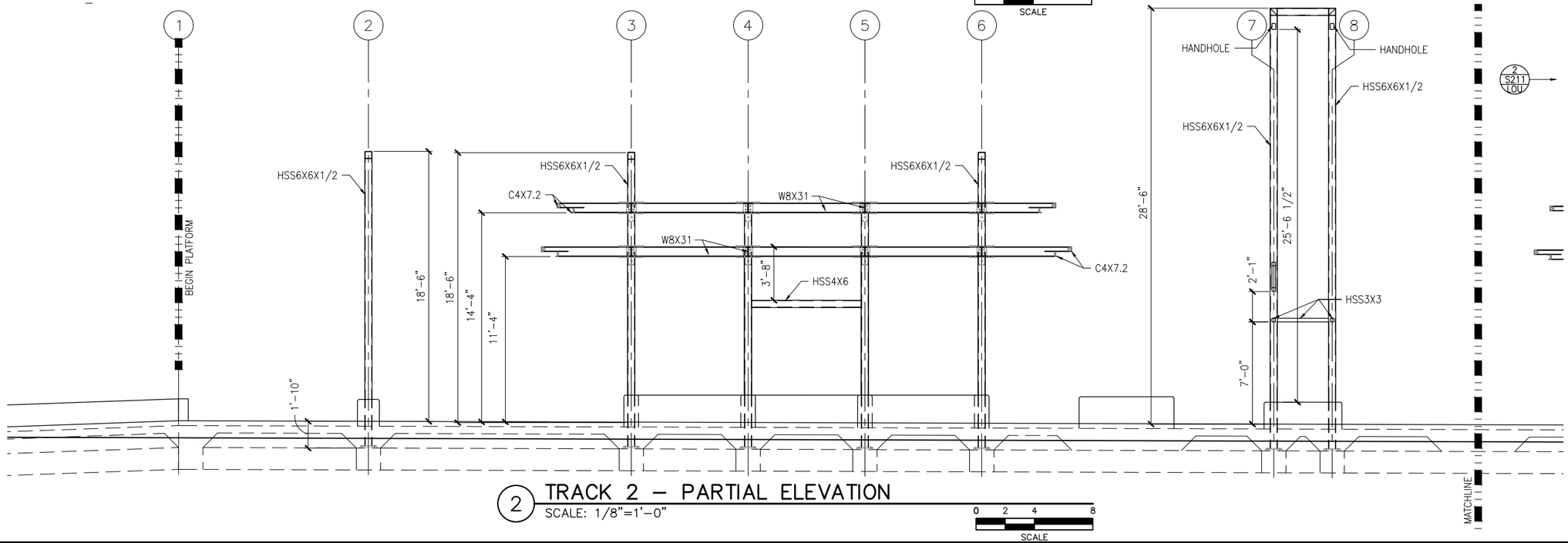
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1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
LOUISIANA STATION
WEST PARTIAL ELEVATIONS -- FRAMING

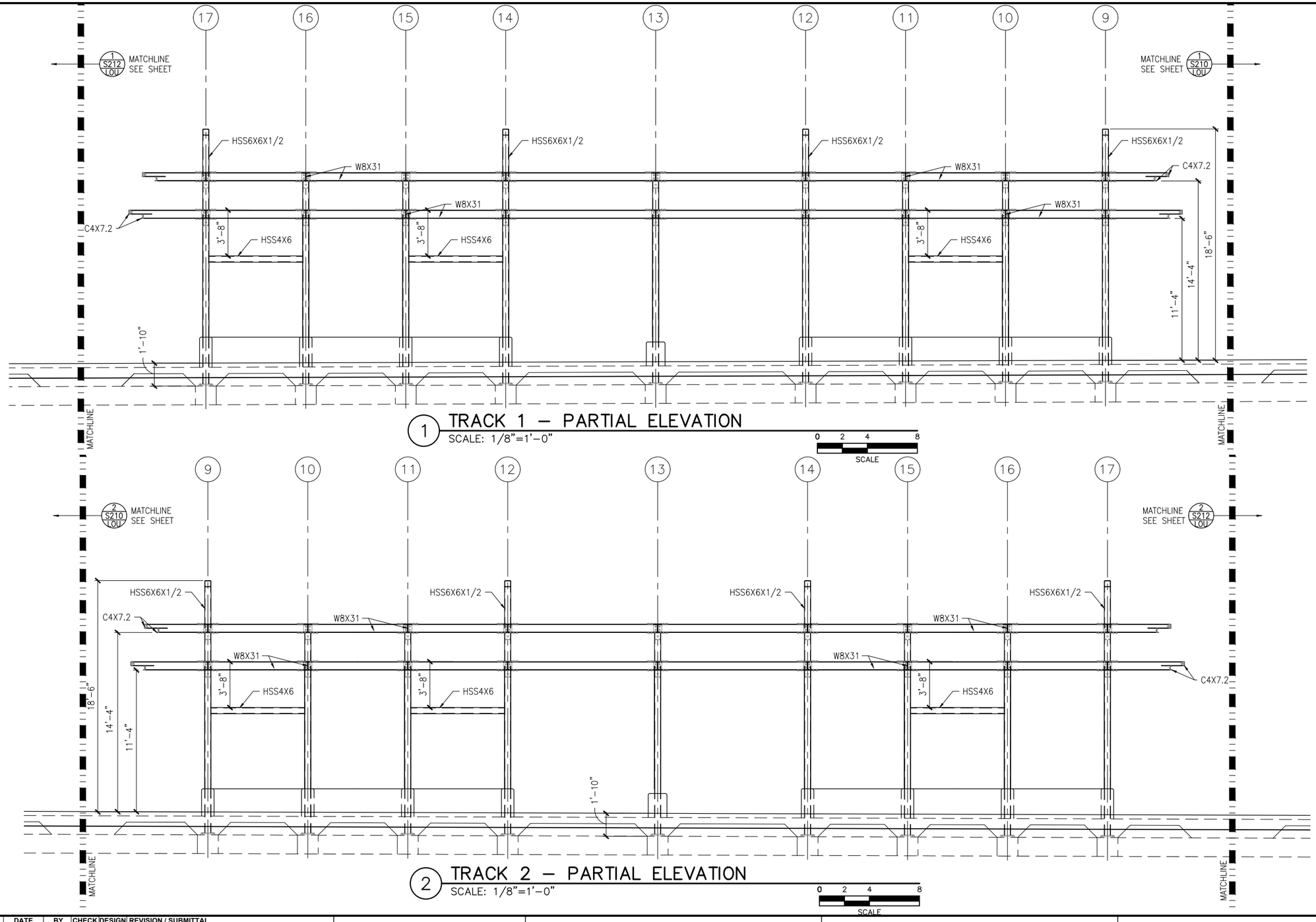
DISCIPLINE: STRUCTURES

SHEET NAME: E2-LOU-STR-ELV-210

SHEET 173 OF 510

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

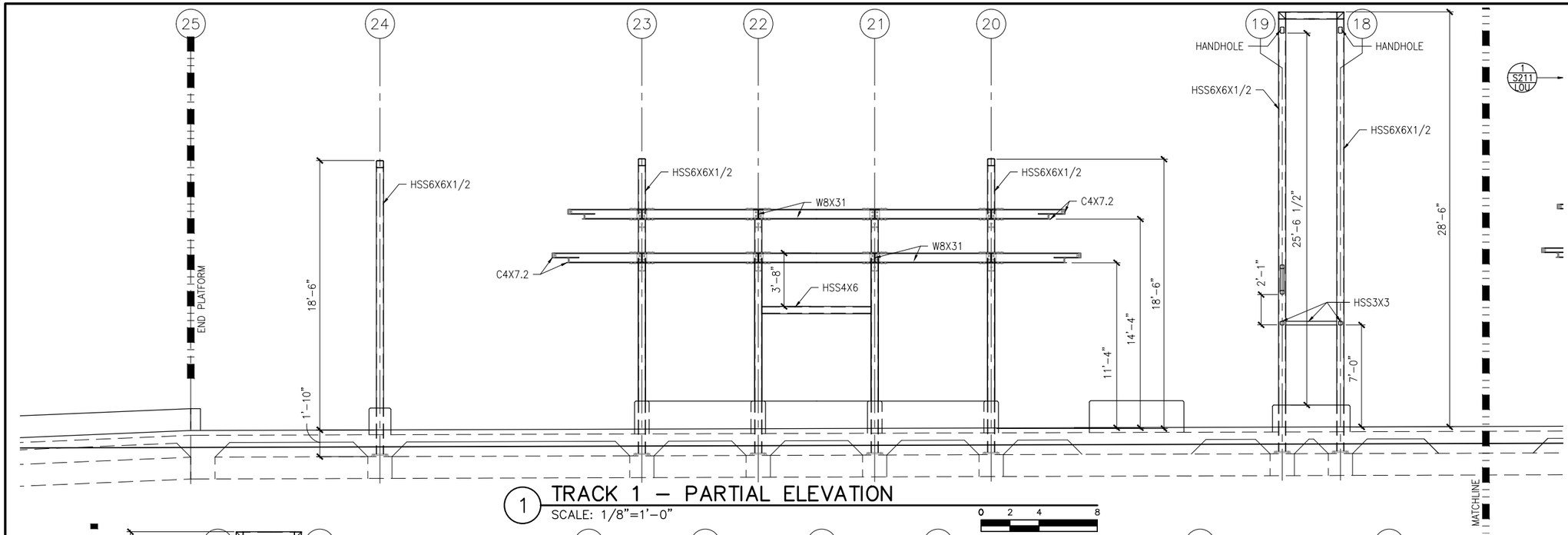
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
LOUISIANA STATION
MIDDLE PARTIAL ELEVATIONS -- FRAMING

DISCIPLINE: STRUCTURES

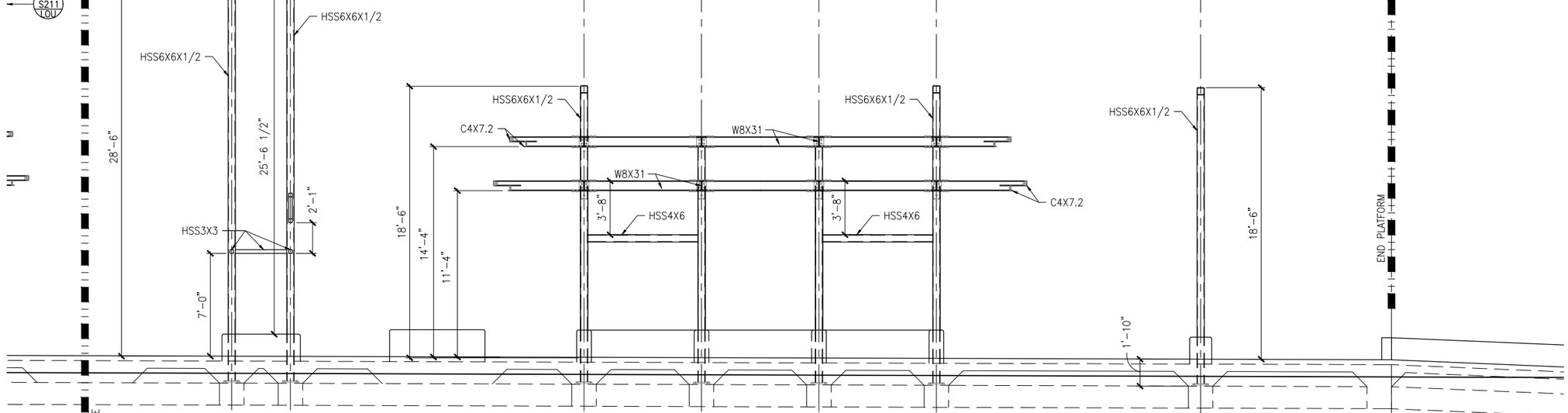
SHEET NAME: E2-LOU-STR-ELV-211

SHEET 174 OF 510



1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

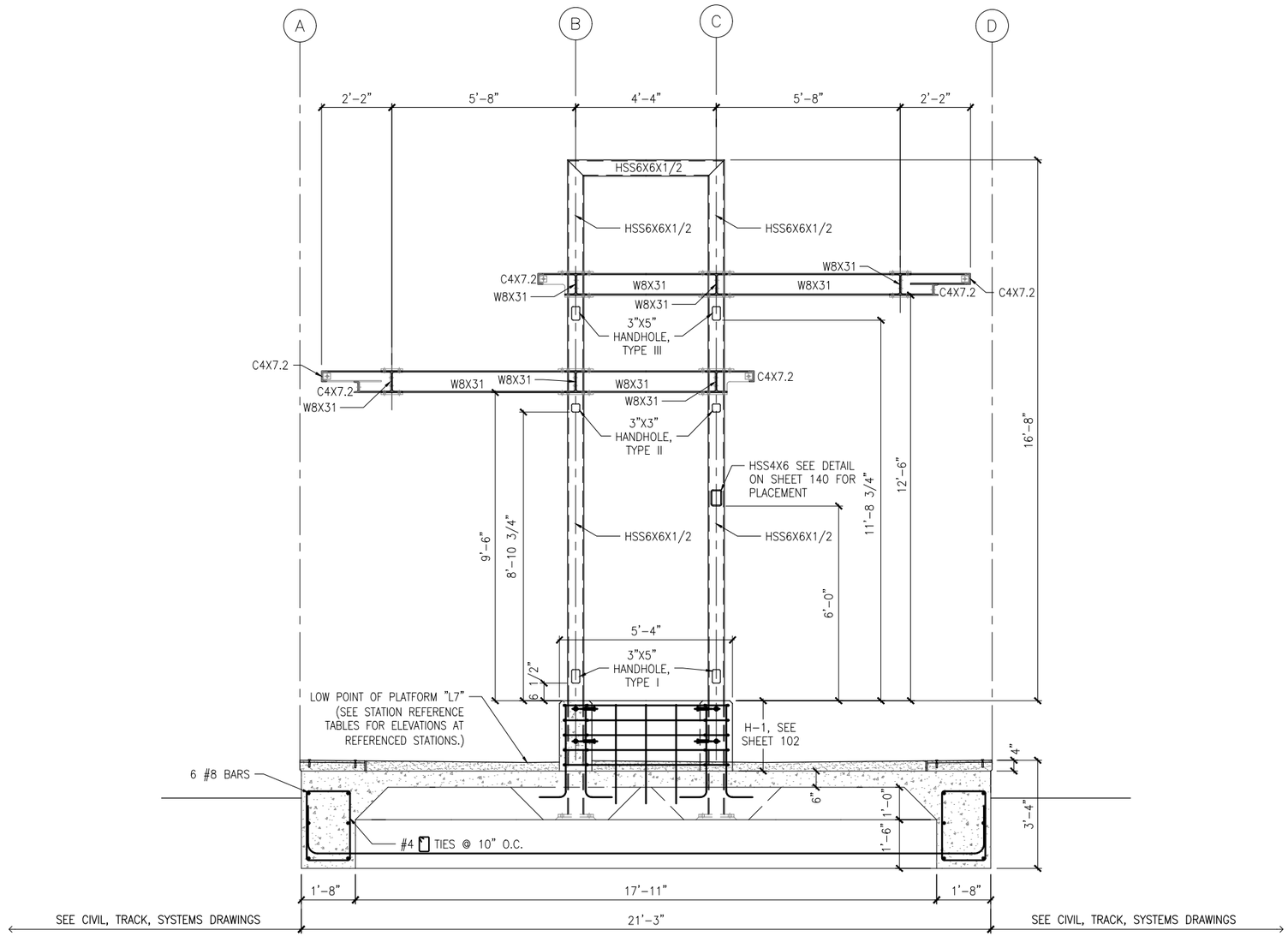
CIVIL - VOLUME 11C
LOUISIANA STATION
EAST PARTIAL ELEVATIONS -- FRAMING

SHEET 175 OF 510

DISCIPLINE: STRUCTURES

SHEET NAME: E2-LOU-STR-ELV-212

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1 TYPICAL PLATFORM SECTION

SCALE:1/4"=1'-0"

0 1 2 4
SCALE

TYPICAL AT COL. LINES 3, 6, 9, 12, 14, 17, 20, 23
HSS4X6 LOCATED ON COL. LINE B BETWEEN COLUMNS 3-4, 5-6, 10-11, 14-15, 16-17, 21-22
HSS4X6 LOCATED ON COL. LINE C BETWEEN COLUMNS 4-5, 9-10, 11-12, 15-16, 20-21, 22-23
SEE PLN FOR LOCATION OF CONC FDN WALL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

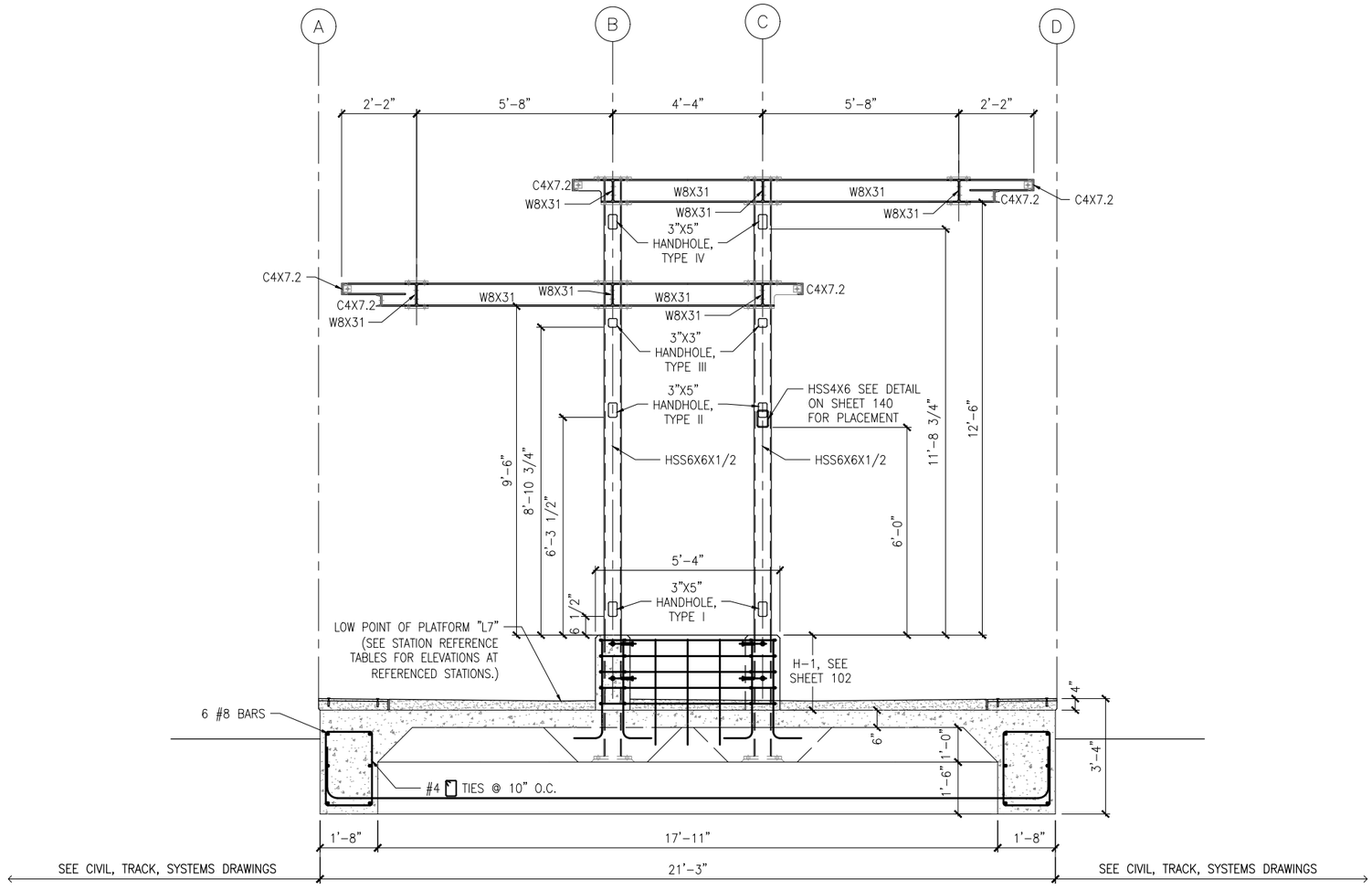
CIVIL - VOLUME 11C
LOUISIANA STATION
TYPICAL PLATFORM SECTION

DISCIPLINE: STRUCTURES

SHEET NAME: E2-LOU-STR-SCT-300

SHEET 176 OF 510

Jan. 14 2016 03:44 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E2\PLAN SHEETS\STRUCTURES\LOUISIANA STATION\E2-LOU-STR-SCT-300.dwg By: jordanl



1 TYPICAL PLATFORM SECTION

SCALE:1/4"=1'-0"

0 1 2 4
SCALE

TYPICAL AT COL. LINES 4, 5, 10, 11, 13, 15, 16, 21, 22
HSS4X6 LOCATED ON COL. LINE B BETWEEN COLUMNS 3-4, 5-6, 10-11, 14-15, 16-17, 21-22
HSS4X6 LOCATED ON COL. LINE C BETWEEN COLUMNS 4-5, 9-10, 11-12, 15-16, 20-21, 22-23
HSS4X6 NOT INSTALLED AT COL. LINE 13
SEE PLN FOR LOCATION OF CONC FDN WALL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

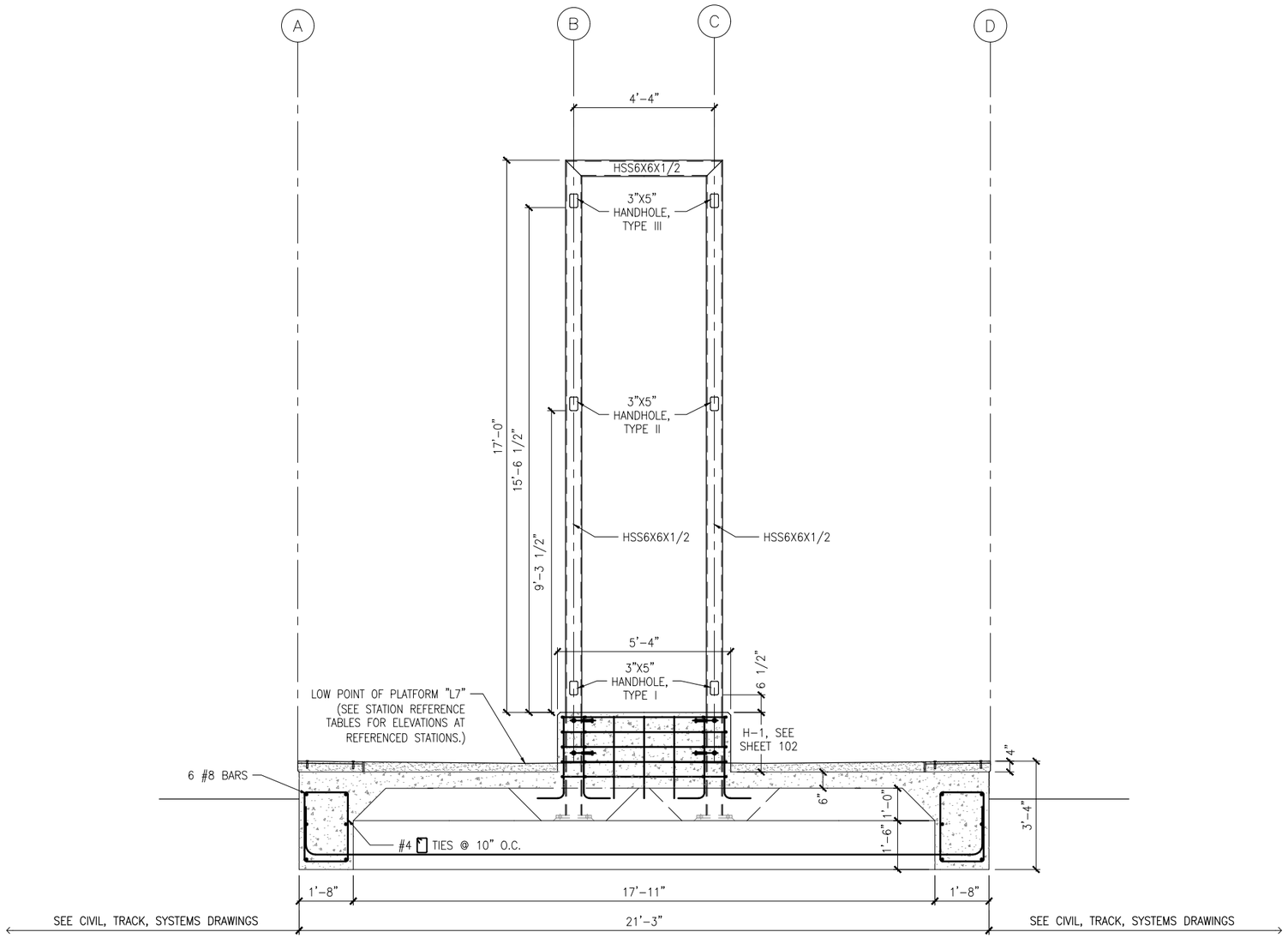
CIVIL - VOLUME 11C
LOUISIANA STATION
TYPICAL PLATFORM SECTION

DISCIPLINE: STRUCTURES

SHEET NAME: E2-LOU-STR-SCT-301

SHEET 177 OF 510

Jan. 14 2016 03:45 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E2\PLAN SHEETS\STRUCTURES\LOUISIANA STATION\E2-LOU-STR-SCT-301.dwg By: jordanl



1 TYPICAL PLATFORM SECTION AT WICKET

SCALE:1/4"=1'-0"

TYPICAL AT COL. LINES 2,24

0 1 2 4

SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

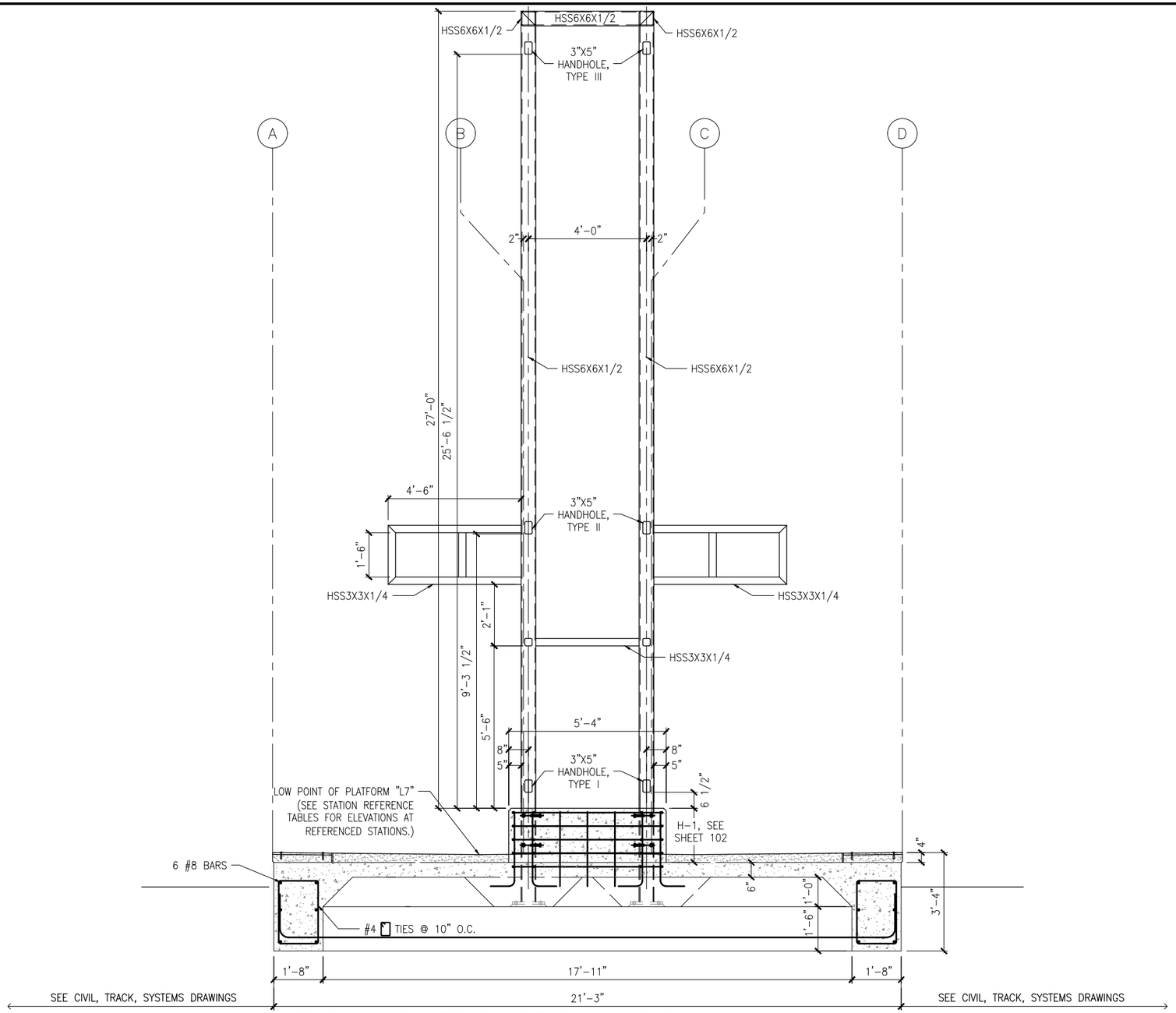
CIVIL - VOLUME 11C
LOUISIANA STATION
TYPICAL PLATFORM SECTION

DISCIPLINE: STRUCTURES

SHEET NAME: E2-LOU-STR-SCT-302

SHEET 178 OF 510

Jan, 14 2016 03:45 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E2\PLAN SHEETS\STRUCTURES\LOUISIANA STATION\E2-LOU-STR-SCT-302.dwg By: jordanl



1 TYPICAL PLATFORM SECTION AT PYLON

SCALE:1/4"=1'-0"
TYPICAL AT COL. LINES 7,8,18,19
VMS SUPPORTS AT COL. LINES 7 & 19

0 1 2 4
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

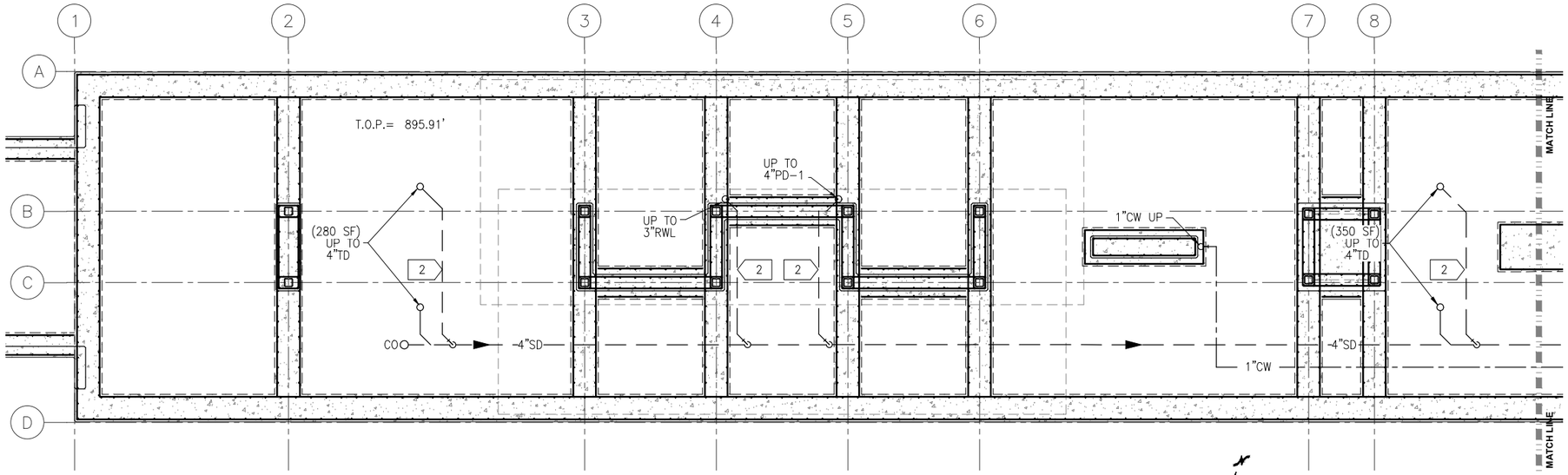
CIVIL - VOLUME 11C
LOUISIANA STATION
TYPICAL PLATFORM SECTION

SHEET 179 OF 510

DISCIPLINE: STRUCTURES

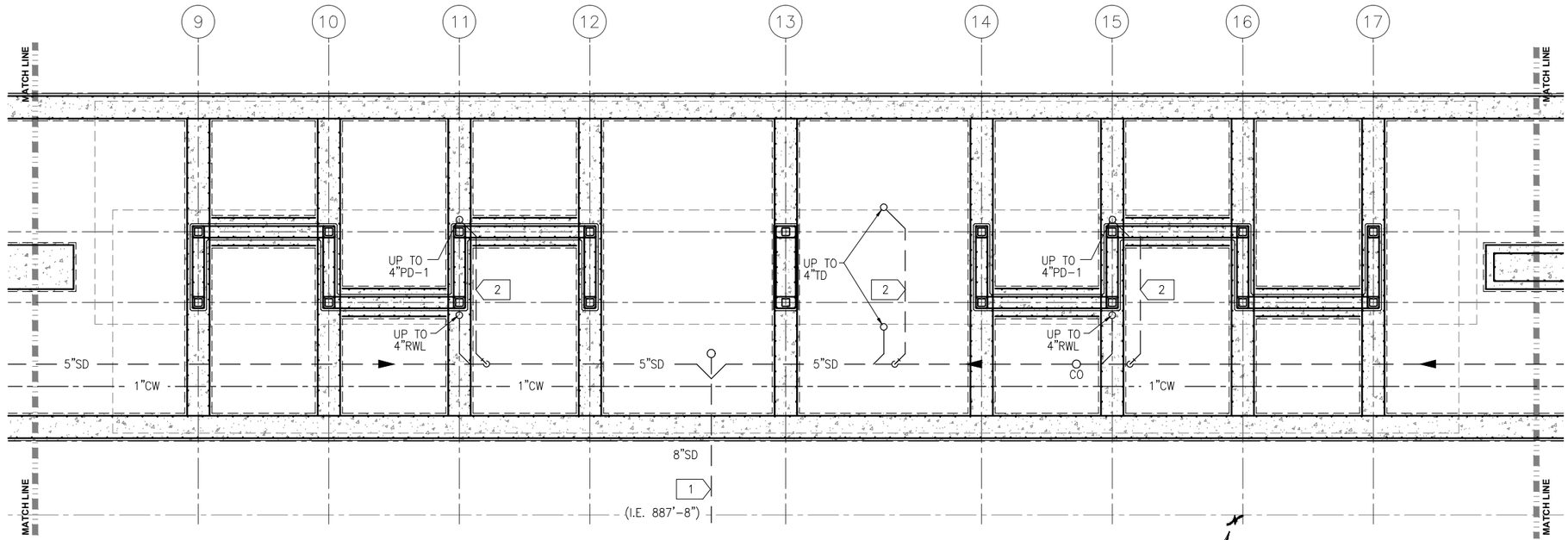
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1 WEST UNDERFLOOR PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 MIDDLE UNDERFLOOR PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
C. MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
D. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF HEIGHTS AND LAYOUT.
E. REFER TO PLUMBING DETAIL XXX AND VOLUME 7 FOR WATER METER LOCATION AND ENCLOSURE REQUIREMENTS.
F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES:

1 EXTEND WATER AND STORM OUTSIDE GUIDEWAY. CONNECTION BY OUTDOOR UTILITY CONTRACTOR.

2 ROUTE PIPING ABOVE DUCT BANK. DROP DOWN TO CONNECT TO MAIN.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM
LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE
90% SUBMISSION - 01/22/16

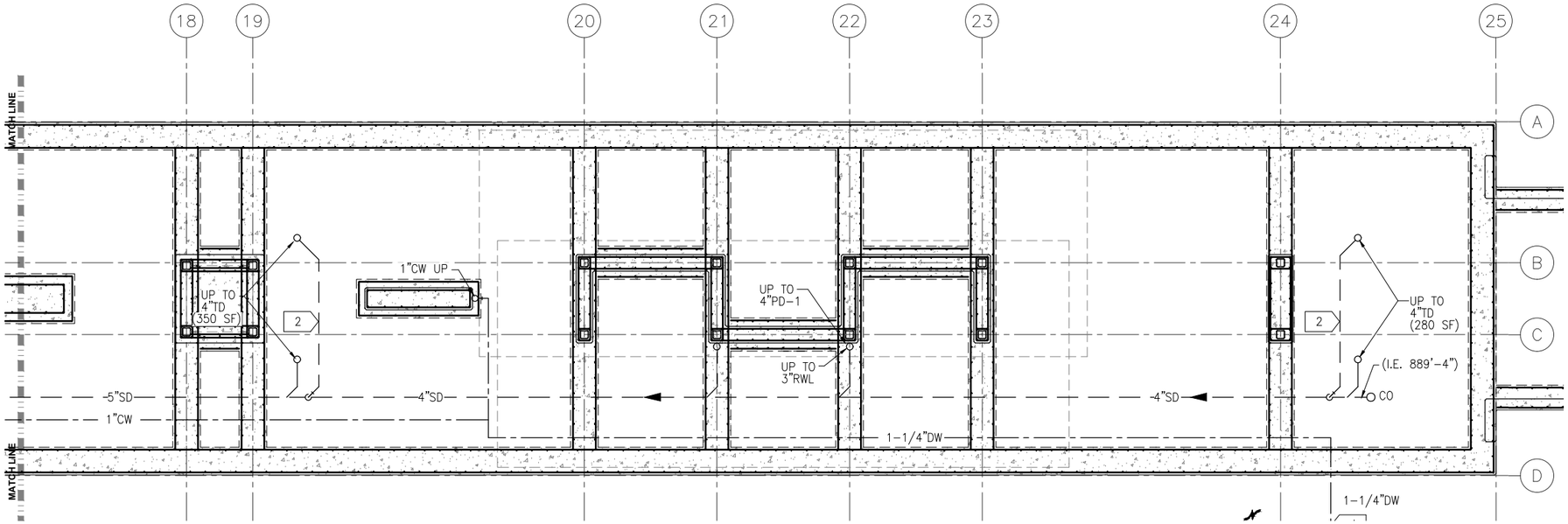
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
LOUISIANA STATION
WEST AND MIDDLE UNDERFLOOR PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E2-LOU-PLM-PLN-100

SHEET 180 OF 510

Jan, 16 2016 03:00 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\LOUISIANA STA



1 EAST UNDERFLOOR PLUMBING PLAN

SCALE: 1/8"=1'-0"

0 2 4 8

SCALE

PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
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2 ROUTE PIPING ABOVE DUCT BANK. DROP DOWN TO CONNECT TO MAIN.

Jan, 16 2016 03:00 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\LOUISIANA

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AECOM ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

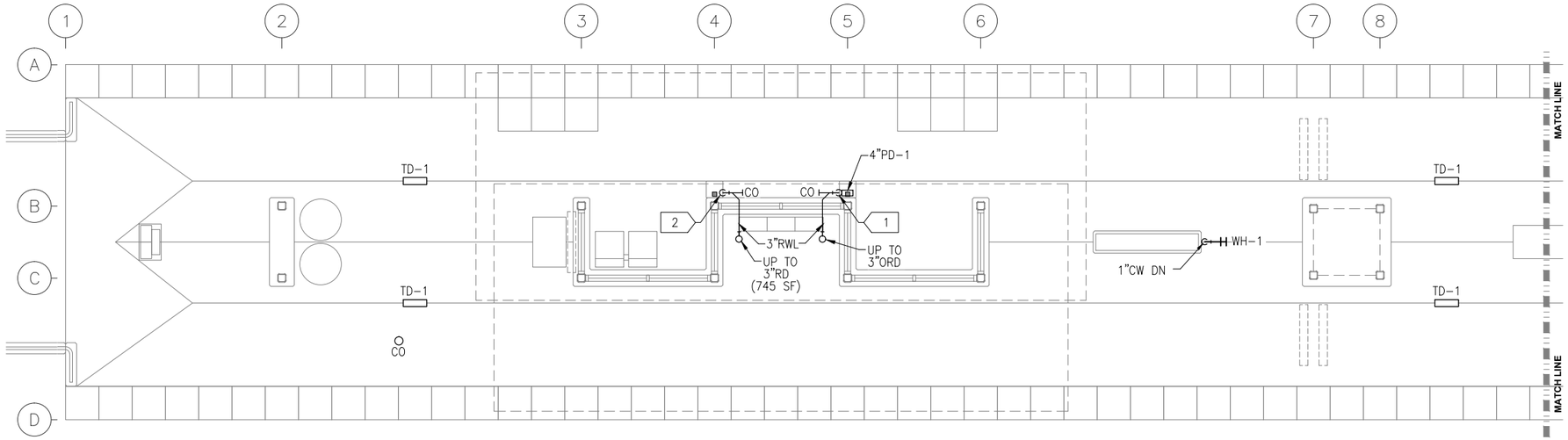
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
LOUISIANA STATION
EAST PARTIAL UNDERFLOOR PLUMBING PLAN

DISCIPLINE: PLUMBING

SHEET NAME: E2-LOU-PLM-PLN-101

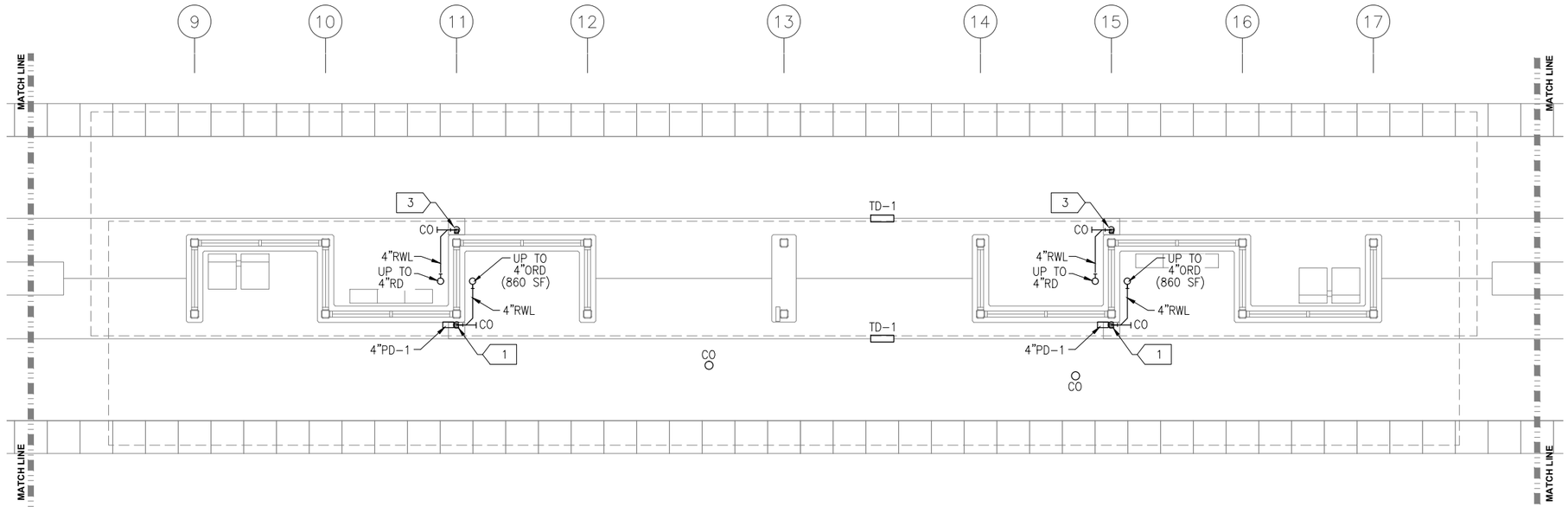
SHEET 181 OF 510



1 WEST PLATFORM PLUMBING PLAN

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



2 MIDDLE PLATFORM PLUMBING PLAN

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

PLUMBING GENERAL NOTES

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F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES

1 3"ORD RWL'S DOWN TO 4"PD-1.

2 3"ø RWL DOWN TO BELOW PLATFORM.

3 4"ø RWL DOWN TO BELOW PLATFORM.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

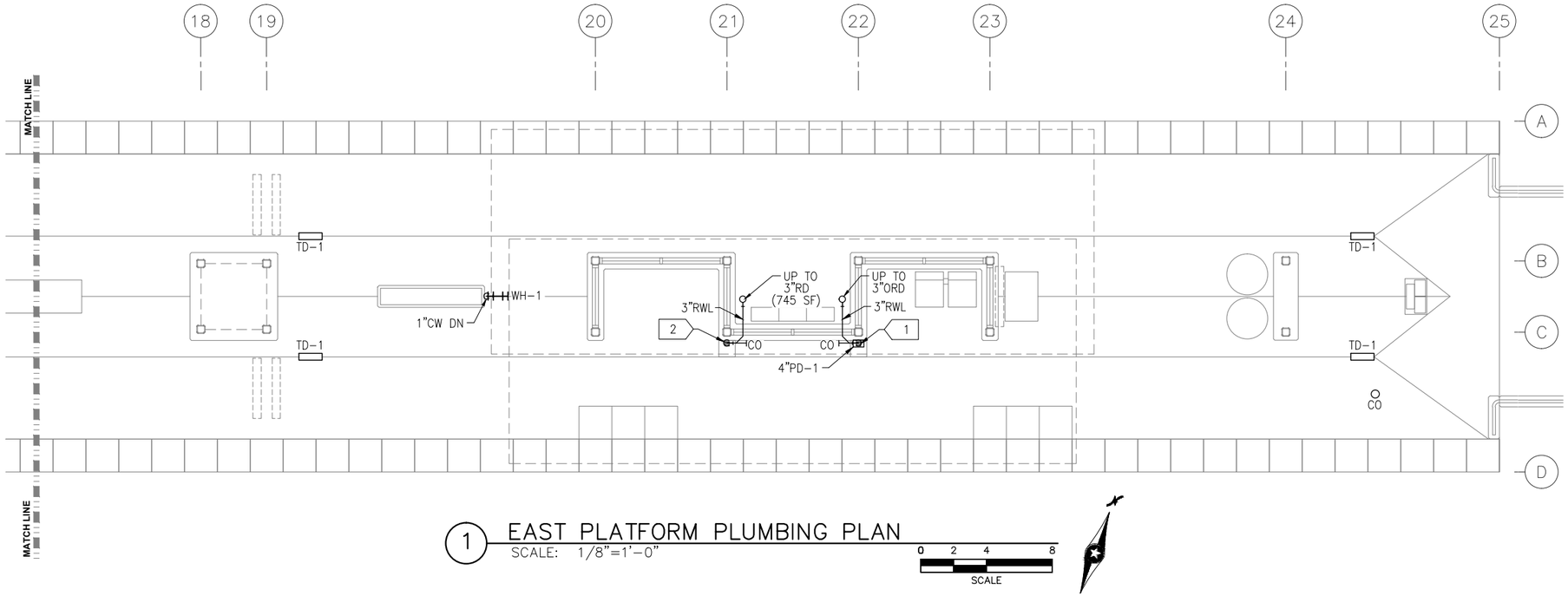
CIVIL - VOLUME 11C
LOUISIANA STATION
WEST AND MIDDLE PARTIAL
PLUMBING PLAN

DISCIPLINE: PLUMBING

SHEET NAME: E2-LOU-PLM-PLN-110

SHEET 182 OF 510

Jan, 16 2016 03:00 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\LOUISIANA STATION\E2-LOU-PLM-PLN-110.dwg By: craig



1 EAST PLATFORM PLUMBING PLAN

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

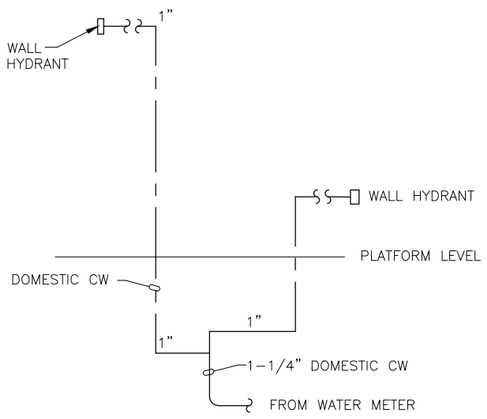
PLUMBING GENERAL NOTES

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H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES

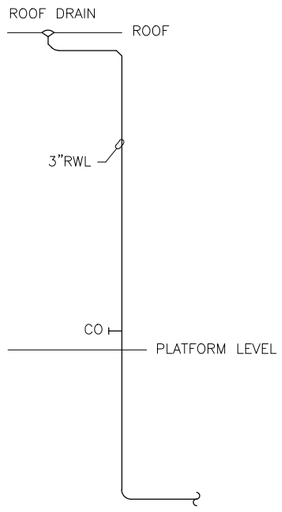
1 3"ORD RWL'S DOWN TO 4"PD-1.

2 3"ø RWL DOWN TO BELOW PLATFORM.



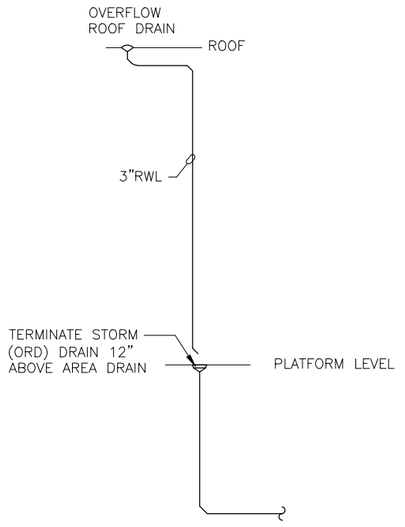
2/111 DOMESTIC WATER RISER DIAGRAM

NO SCALE



1/111 TYPICAL ROOF DRAIN DIAGRAM

NO SCALE



2/111 TYPICAL OVERFLOW ROOF DRAIN DIAGRAM

NO SCALE

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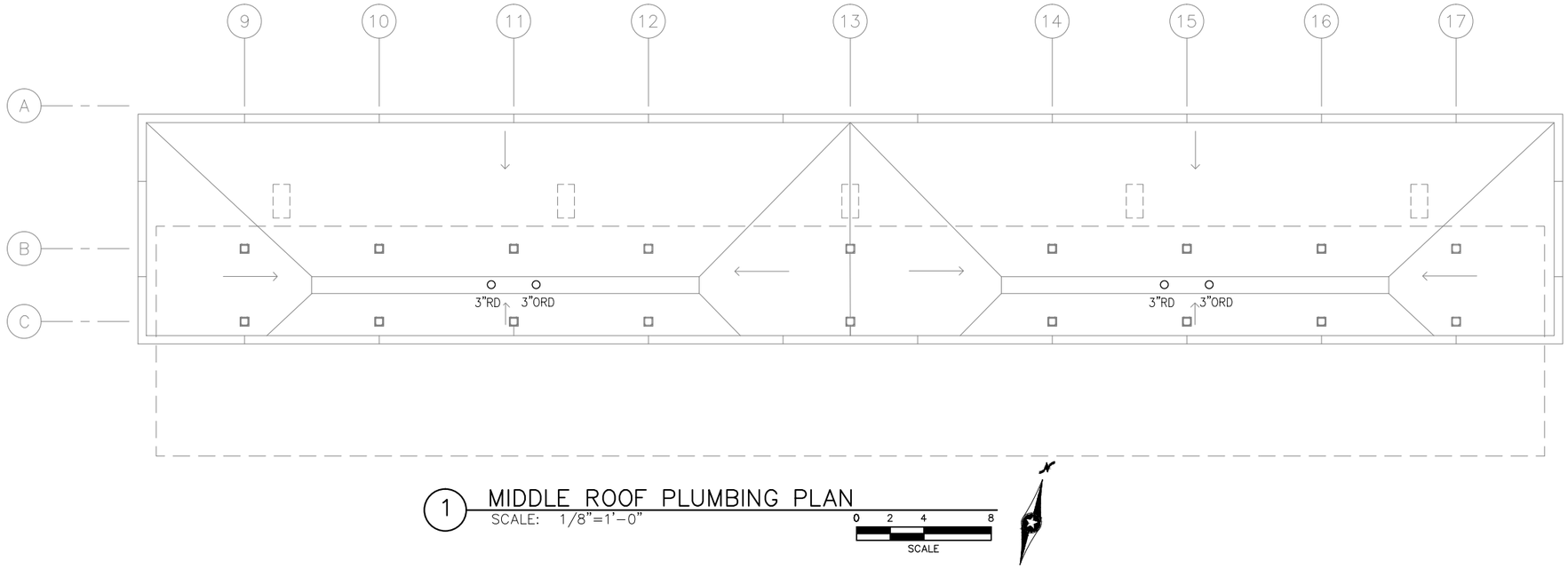
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
LOUISIANA STATION
EAST PARTIAL PLUMBING PLAN AND RISER DIAGRAM

DISCIPLINE: PLUMBING
SHEET NAME: E2-LOU-PLM-PLN-111

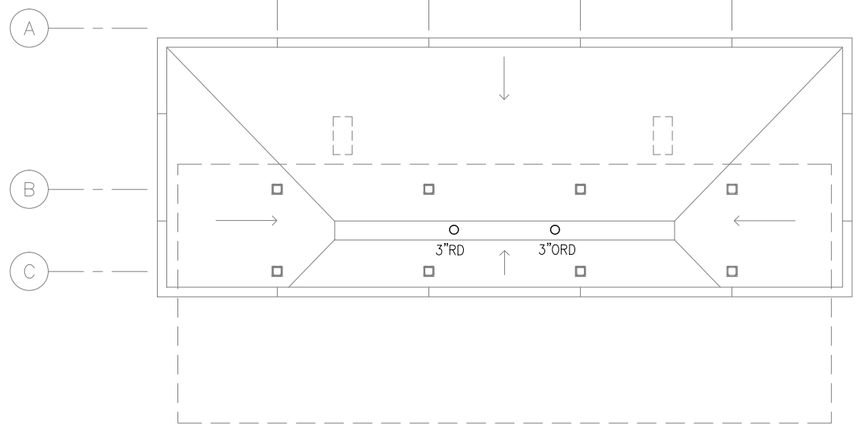
SHEET 183 OF 510

Jan. 16 2016 03:00 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\LOUISIANA STATION\E2-LOU-PLM-PLN-111.dwg By: craig



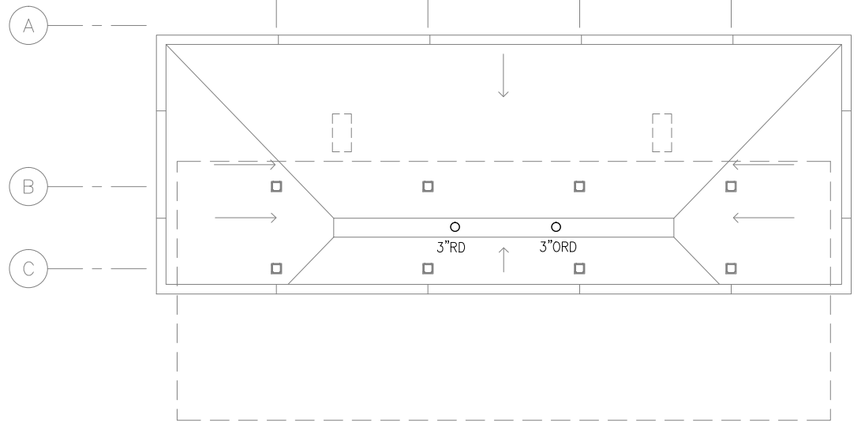
1 MIDDLE ROOF PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 WEST ROOF PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



3 EAST ROOF PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

PLUMBING GENERAL NOTES

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H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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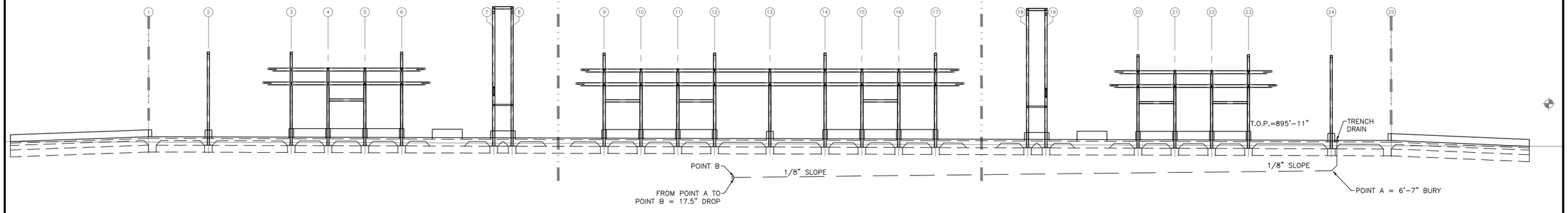
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
LOUISIANA STATION
LOWER ROOF PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E2-LOU-PLM-PLN-120

SHEET 184 OF 510

Jan. 16 2016 03:00 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\LOUISIANA STATION\E2-LOU-PLM-PLN-120.dwg By: craig



1 PLUMBING SECTION
SCALE: 3/64"=1'-0"

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

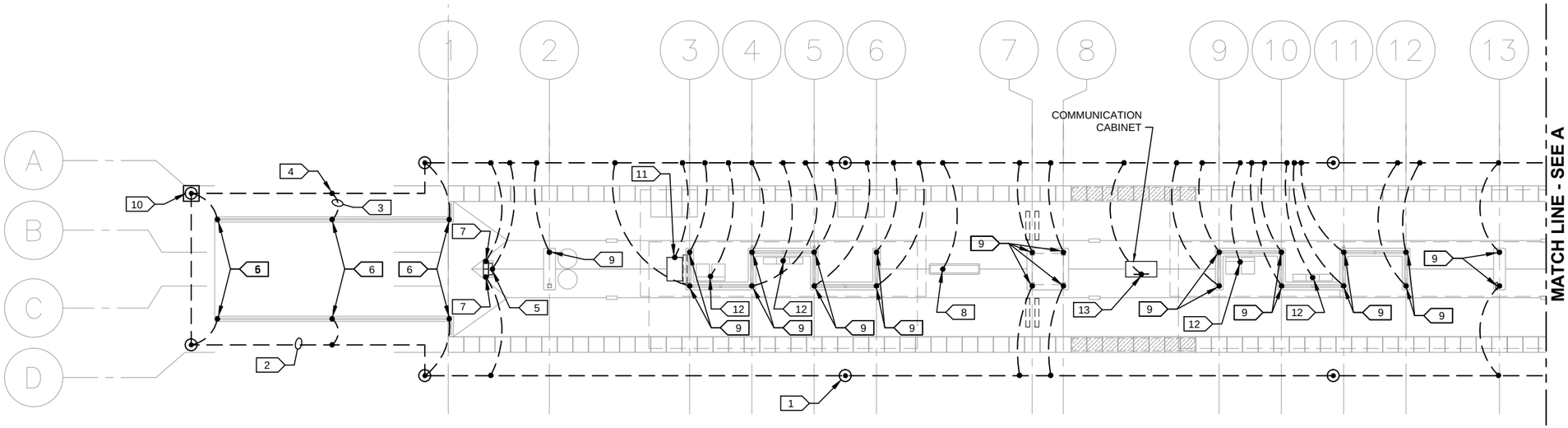
CIVIL - VOLUME 11C
LOUISIANA STATION
TYPICAL PLATFORM PLUMBING SECTION

DISCIPLINE: PLUMBING

SHEET NAME: E2-LOU-PLM-SCT-201

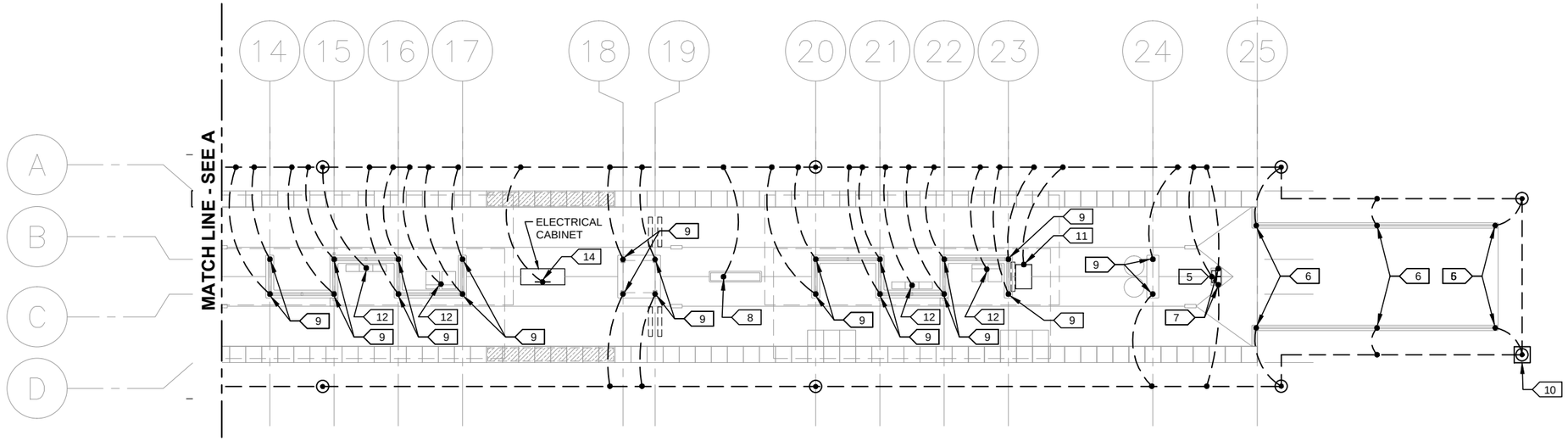
SHEET 185 OF 510

Jan, 16 2016 03:01 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\LOUISIANA E2-LOU-PLM-SCT-201.dwg By: craig



1 PARTIAL PLATFORM PLAN

SCALE: 1/16"=1'-0"



2 PARTIAL PLATFORM PLAN

SCALE: 1/16"=1'-0"

KEYNOTES:

1. GROUND ROD, TYPICAL.
2. GROUND LOOP, TYPICAL.
3. GEC, TYPICAL.
4. EXOTHERMIC WELD, TYPICAL.
5. GEC CONNECTION TO RIDER ALERT PANEL.
6. GEC CONNECTION TO RAILING POST.
7. GEC CONNECTION TO RSV.
8. GEC CONNECTION TO KIOSK.
9. GEC CONNECTION TO COLUMN.
10. GROUND TEST WELL.
11. GEC CONNECTION TO TVM.
12. GEC CONNECTION TO SEAT OR LEAN RAIL.
13. GEC CONNECTION TO COMMUNICATIONS CABINET GROUND BUS.
14. #3/0 GEC CONNECTION TO ELECTRICAL ENCLOSURE GROUND BUS.

GENERAL NOTES:

1. ALL METALLIC OBJECTS SHALL BE GROUNDED AND THE GROUNDING PLAN IS INTENDED TO DEMONSTRATE THE GROUNDING OF THE PLATFORM, GUIDEWAY AND EQUIPMENT WITHIN THE VICINITY. OBJECTS NOT SHOWN GROUNDED DOES RELIEVE THE CONTRACTOR FROM THE DESIGN INTENT.
2. GROUND LOOP SHALL BE #3/0 BARE COPPER. LOOP SHALL BE INSTALLED 48" BELOW GRADE OR 6" BELOW THE FROST LINE, WHICHEVER IS GREATER. GROUND LOOP IS SHOWN DIAGRAMMATICALLY. INSTALL GROUND LOOP UNDER PLATFORM PERIMETER TO PROTECT FROM WORK PERFORMED OUTSIDE THE PLATFORM LIMITS BY OTHER TRADES. GROUND TEST WELLS SHALL REMAIN ACCESSIBLE AS SHOWN.
3. GROUNDING ELECTRODE CONDUCTORS (GEC) SHALL BE #2/0 BARE COPPER UNLESS NOTED OTHERWISE.
4. ALL EXOTHERMIC WELDS TO COLUMNS, TVM'S, RSV'S, SEATS, LEAN RAILS AND EQUIPMENT CABINETS SHALL BE ABOVE GRADE AND VISIBLE. PAINT WELDS TO MATCH SURFACE COLOR. VERIFY COLOR WITH CAR.
5. INSTALL GROUND ROD SO THAT 8-FT IS BELOW THE FROST LINE.
6. IF RAILING HAS AN ISOLATION GAP, JUMPER BETWEEN GAPS WITH GEC.

0 4 8 16

HORIZONTAL SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

M-P Consultants
CONSULTING ENGINEERING
MINNEAPOLIS • MINNESOTA

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST
Green Line LRT Extension

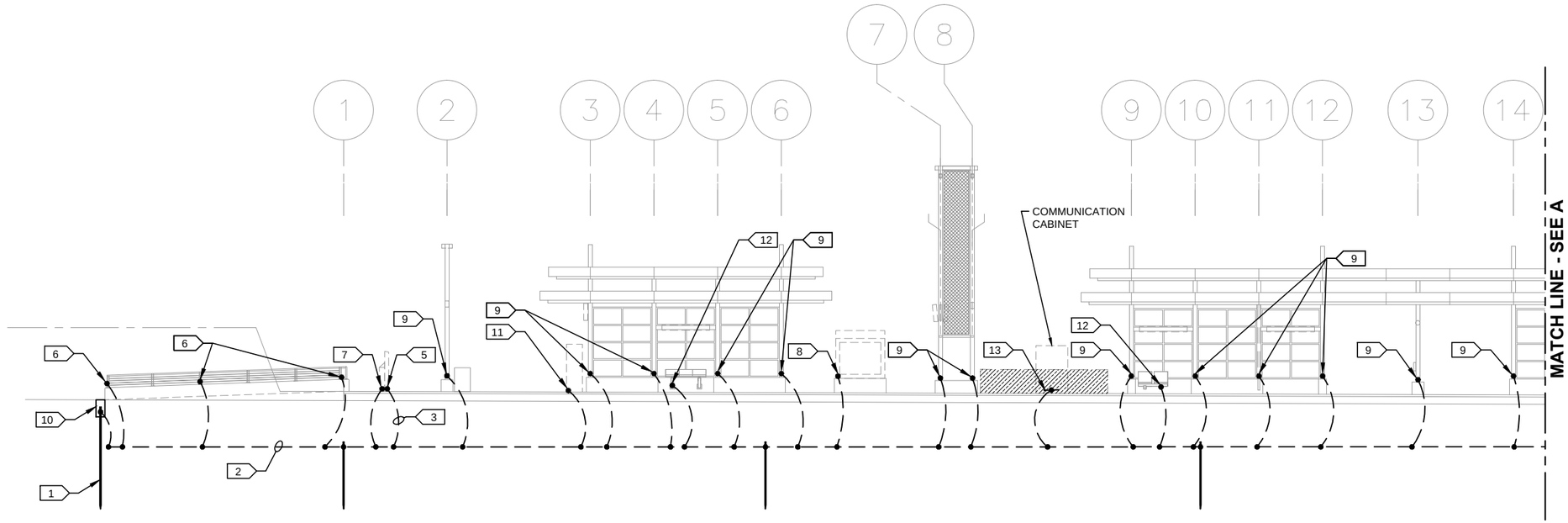
CIVIL - VOLUME 11C
LOUISIANA STATION
ELECTRICAL
GROUNDING PLAN

DISCIPLINE: ELECTRICAL

SHEET NAME: E2-LOU-ELE-PLN-201

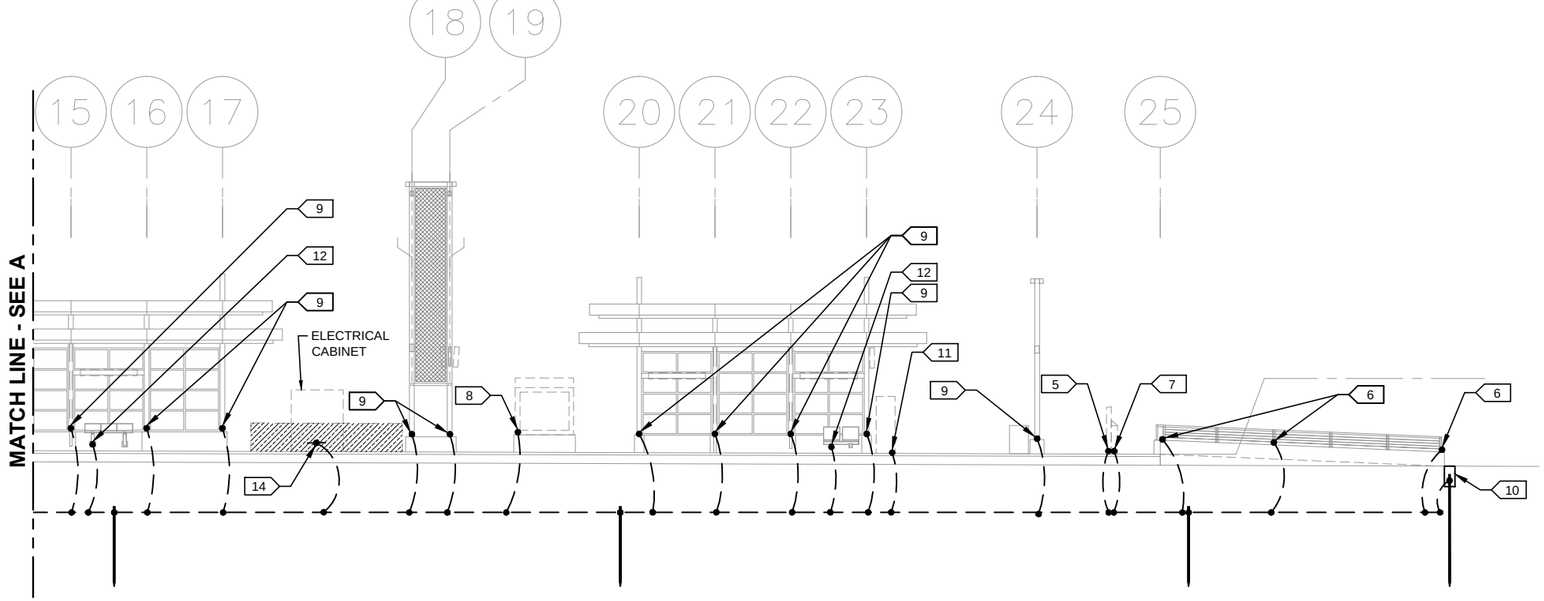
SHEET 186 OF 510

Jan, 18 2016 10:55 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-LOU-ELE-PLN-201.dwg By: FergTK



1 PARTIAL PLATFORM ELEVATION

SCALE: 1/16"=1'-0"



2 PARTIAL PLATFORM ELEVATION

SCALE: 1/16"=1'-0"

KEYNOTES:

1. GROUND ROD, TYPICAL.
2. GROUND LOOP, TYPICAL.
3. GEC, TYPICAL.
4. EXOTHERMIC WELD, TYPICAL.
5. GEC CONNECTION TO RIDER ALERT PANEL.
6. GEC CONNECTION TO RAILING POST.
7. GEC CONNECTION TO RSV.
8. GEC CONNECTION TO KIOSK.
9. GEC CONNECTION TO COLUMN.
10. GROUND TEST WELL.
11. GEC CONNECTION TO TVM.
12. GEC CONNECTION TO SEAT OR LEAN RAIL.
13. GEC CONNECTION TO COMMUNICATIONS CABINET GROUND BUS.
14. #3/0 GEC CONNECTION TO ELECTRICAL ENCLOSURE GROUND BUS.

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5. INSTALL GROUND ROD SO THAT 8-FT IS BELOW THE FROST LINE.
6. IF RAILING HAS AN ISOLATION GAP, JUMPER BETWEEN GAPS WITH GEC.

0 4 8 16

HORIZONTAL SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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CONSULTING ENGINEERING
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METROPOLITAN COUNCIL

SOUTHWEST
Green Line LRT Extension

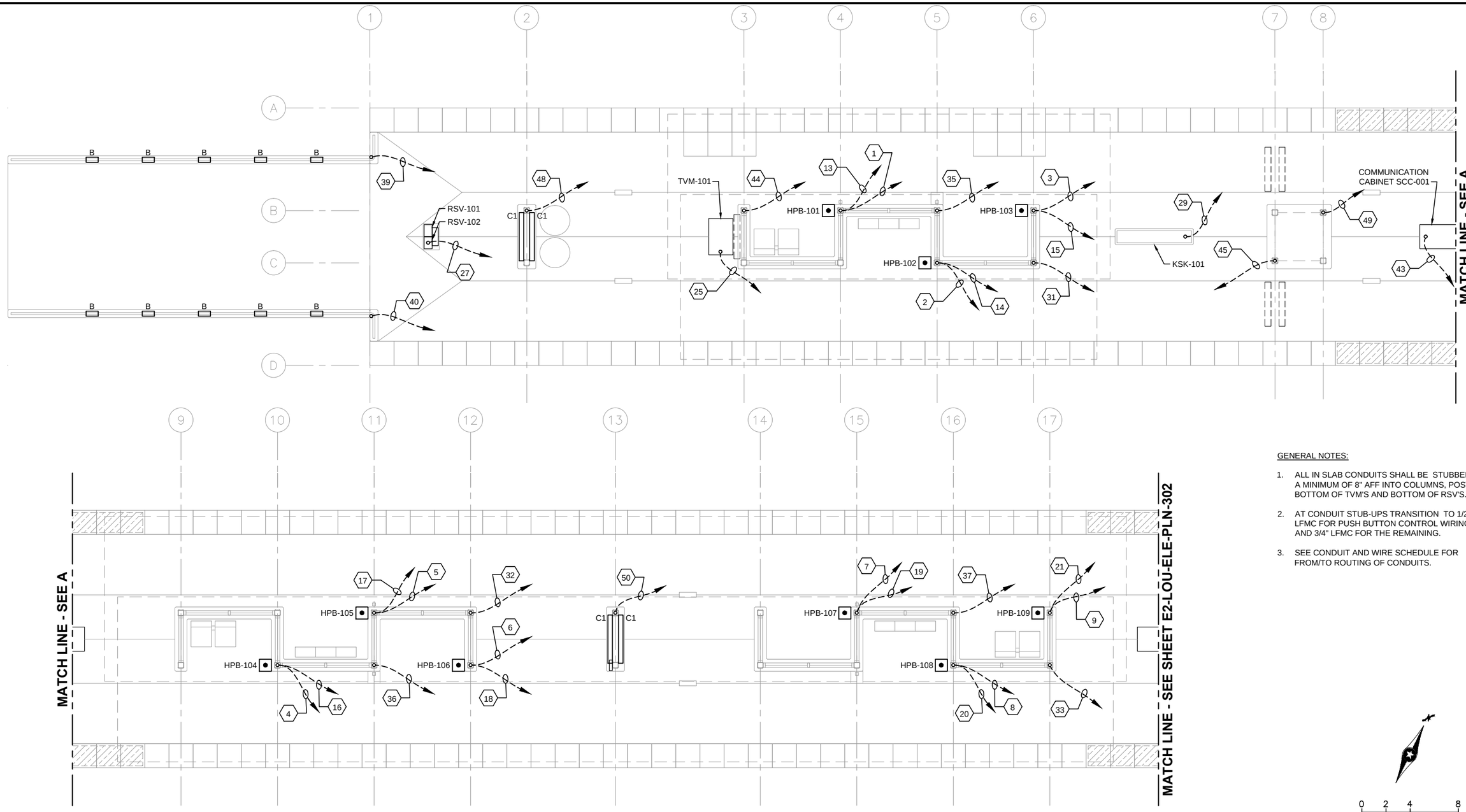
CIVIL - VOLUME 11C
LOUISIANA STATION
ELECTRICAL
GROUNDING ELEVATION

DISCIPLINE: ELECTRICAL

SHEET NAME: E2-LOU-ELE-ELV-202

SHEET 187 OF 510

Jan. 18 2016 10:55 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-LOU-ELE-ELV-202.dwg By: FergTK



1 PLATFORM PLAN

SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. ALL IN SLAB CONDUITS SHALL BE STUBBED UP A MINIMUM OF 8" AFF INTO COLUMNS, POSTS, BOTTOM OF TVM'S AND BOTTOM OF RSV'S.
2. AT CONDUIT STUB-UPS TRANSITION TO 1/2" LFMC FOR PUSH BUTTON CONTROL WIRING AND 3/4" LFMC FOR THE REMAINING.
3. SEE CONDUIT AND WIRE SCHEDULE FOR FROM/TO ROUTING OF CONDUITS.

0 2 4 8

HORIZONTAL SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

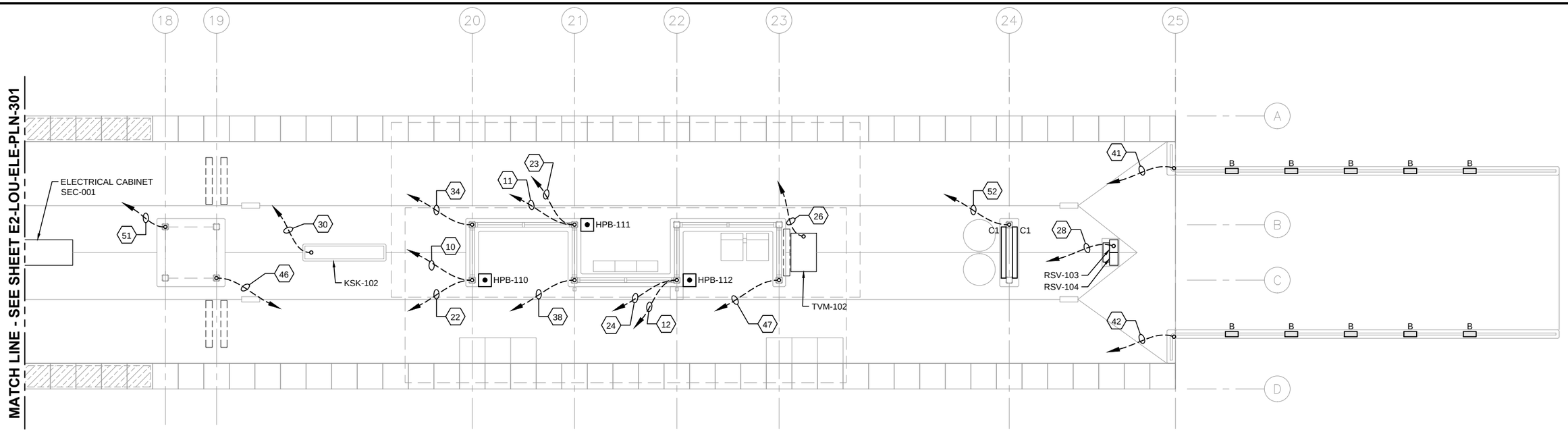
CIVIL - VOLUME 11C
LOUISIANA STATION
ELECTRICAL
UNDERSLAB CONDUIT PLAN (1 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E2-LOU-ELE-PLN-301

SHEET 188 OF 510

Jan, 18 2016 10:56 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-LOU-ELE-PLN-301.dwg By: FergTK



1 PLATFORM PLAN

SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. ALL IN SLAB CONDUITS SHALL BE STUBBED UP A MINIMUM OF 8" AFF INTO COLUMNS, POSTS, BOTTOM OF TVM'S AND BOTTOM OF RSV'S.
2. AT CONDUIT STUB-UPS TRANSITION TO 1/2" LFMC FOR PUSH BUTTON CONTROL WIRING AND 3/4" LFMC FOR THE REMAINING.
3. SEE CONDUIT AND WIRE SCHEDULE FOR FROM/TO ROUTING OF CONDUITS.

0 2 4 8

HORIZONTAL SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

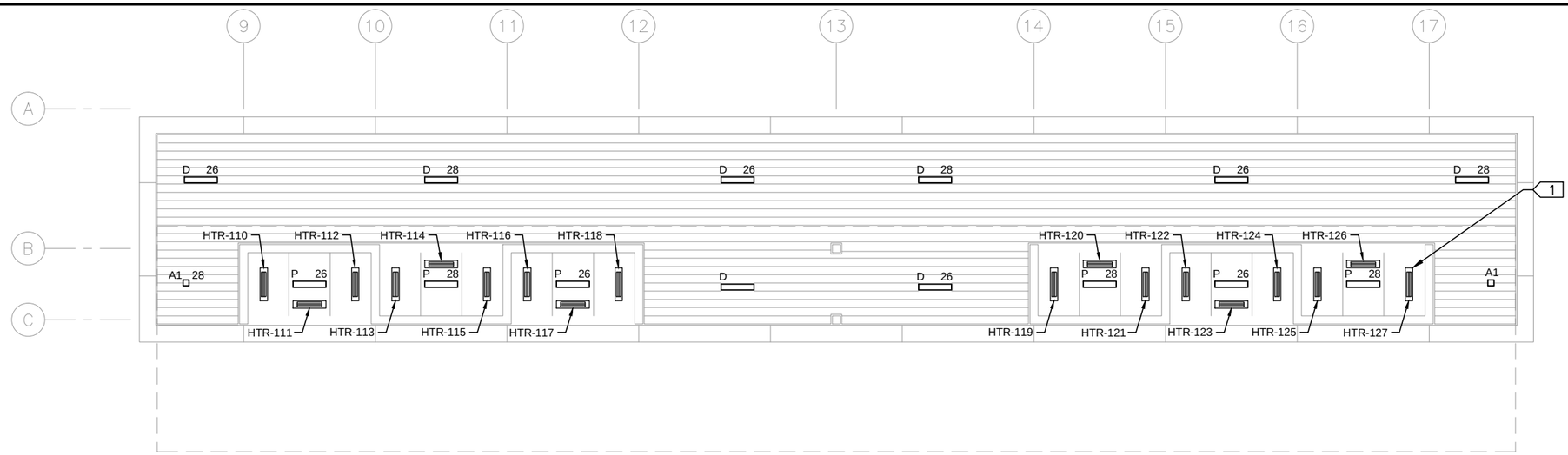
CIVIL - VOLUME 11C
LOUISIANA STATION
ELECTRICAL
UNDERSLAB CONDUIT PLAN (2 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E2-LOU-ELE-PLN-302

SHEET 189 OF 510

Jan, 18 2016 10:56 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-LOU-ELE-PLN-302.dwg By: FergTK



1 TRACK 1 SIDE CANOPY PLAN – MIDDLE

SCALE: 1/8"=1'–0"

2 TRACK 1 SIDE CANOPY PLAN – WEST END

SCALE: 1/8"=1'–0"

3 TRACK 1 SIDE CANOPY PLAN – EAST END

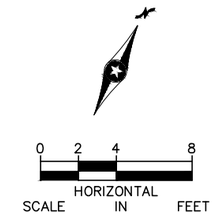
SCALE: 1/8"=1'–0"

GENERAL NOTES:

1. ALL LIGHTING SHOWN ON THIS SHEET SHALL BE RECESSED MOUNTED IN SOFFIT. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING DETAILS.
2. ALL CONDUIT FOR LIGHT AND TO VMS'S SHALL BE RUN CONCEALED WITHIN SOFFIT AREA.

KEYNOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR HEATER MOUNTING DETAILS.



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Green Line LRT Extension

CIVIL - VOLUME 11C
LOUISIANA STATION
ELECTRICAL
CANOPY PLAN - TRACK 1 SIDE

DISCIPLINE: ELECTRICAL

SHEET NAME: E2-LOU-ELE-PLN-303

SHEET 190 OF 510

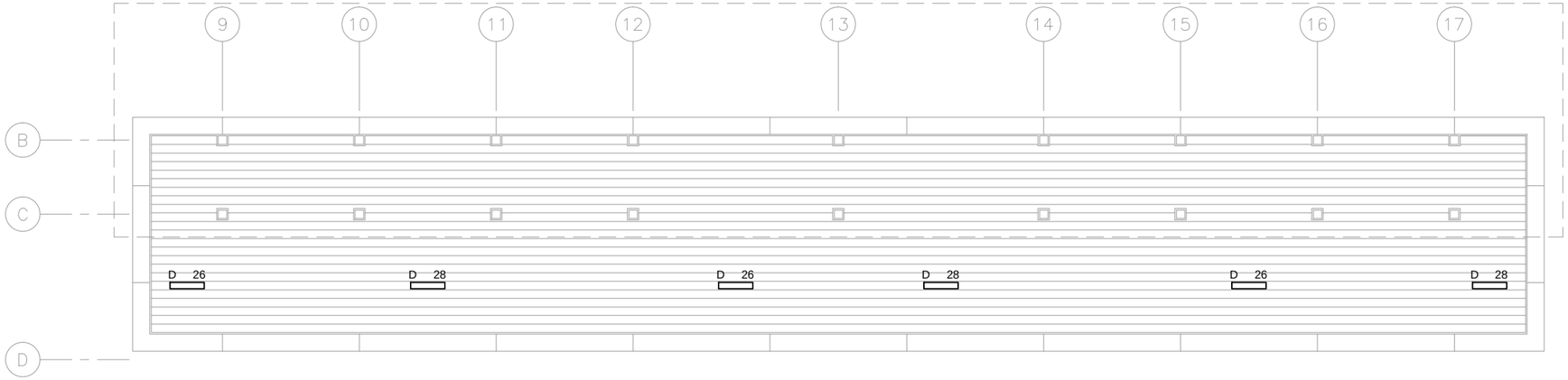
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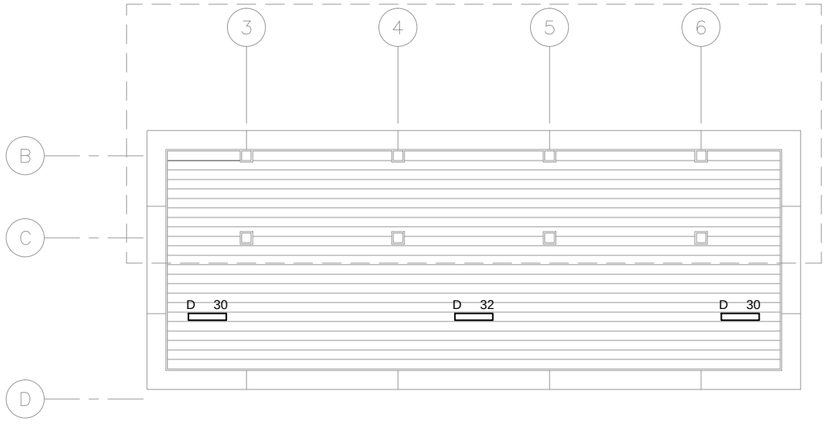
1. ALL LIGHTING SHOWN ON THIS SHEET SHALL BE RECESSED MOUNTED IN SOFFIT. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING DETAILS.
2. ALL CONDUIT FOR LIGHT AND TO VMS'S SHALL BE RUN CONCEALED WITHIN SOFFIT AREA.

KEYNOTES:

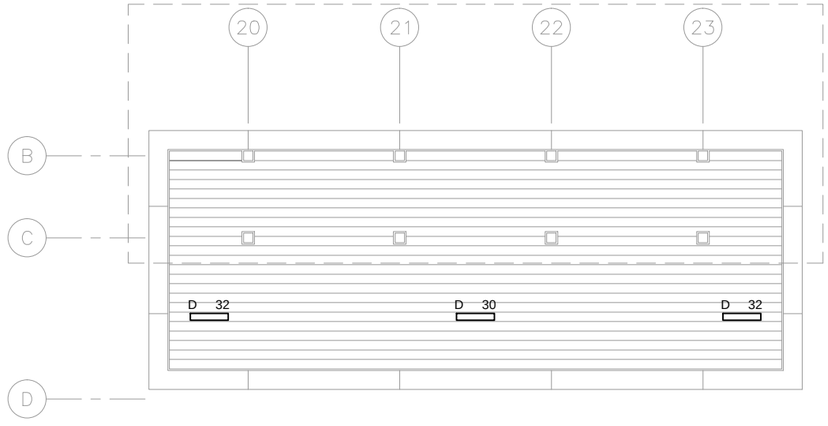
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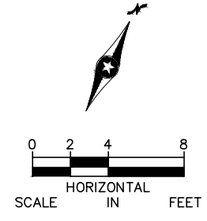
1 TRACK 2 SIDE CANOPY PLAN – MIDDLE
SCALE: 1/8"=1'–0"



2 TRACK 2 SIDE CANOPY PLAN – WEST END
SCALE: 1/8"=1'–0"



3 TRACK 2 SIDE CANOPY PLAN – EAST END
SCALE: 1/8"=1'–0"



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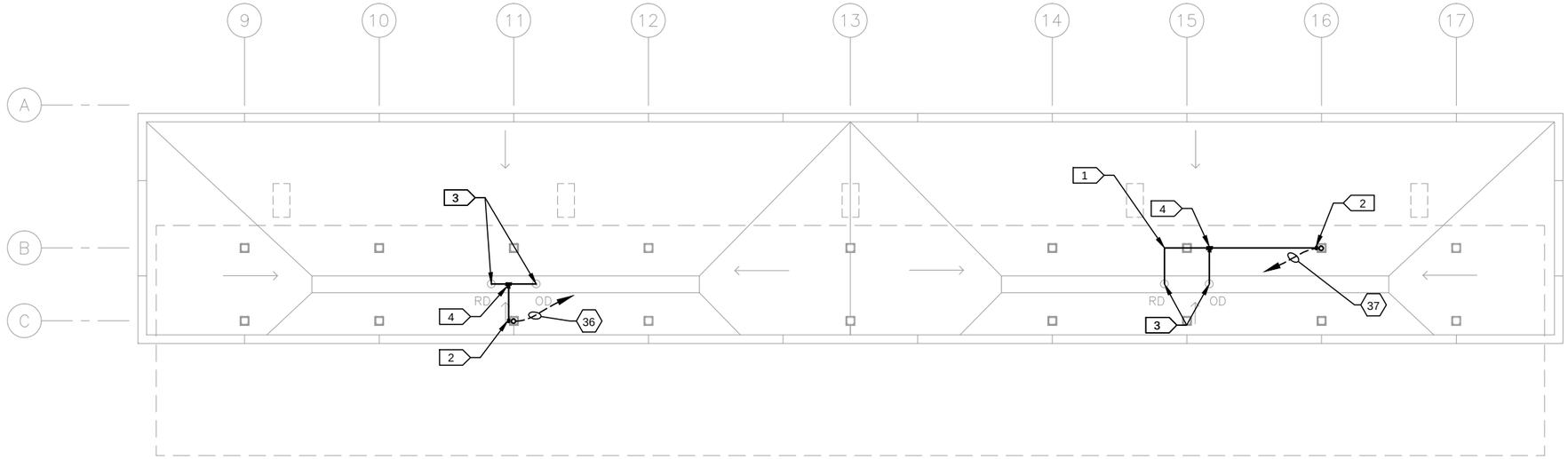
METROPOLITAN COUNCIL
SOUTHWEST
Green Line LRT Extension

CIVIL - VOLUME 11C
LOUISIANA STATION
ELECTRICAL
CANOPY PLAN - TRACK 2 SIDE

DISCIPLINE: ELECTRICAL
SHEET NAME: E2-LOU-ELE-PLN-304

SHEET 191 OF 510

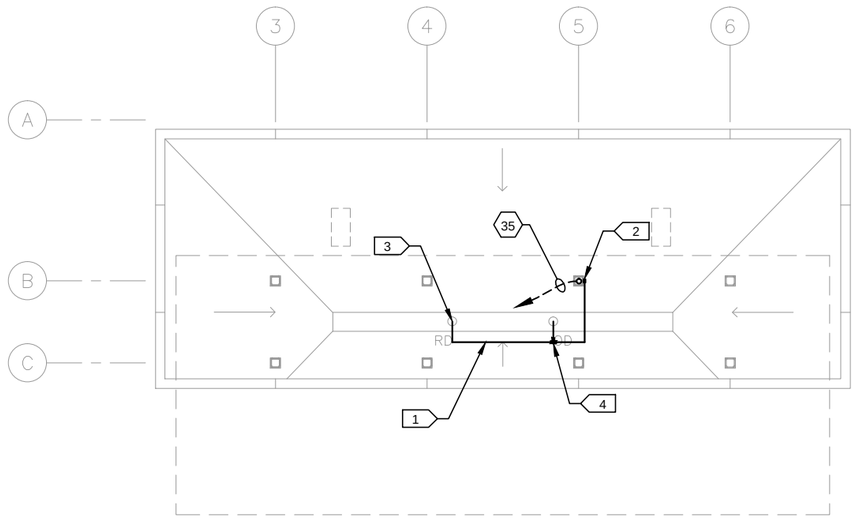
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1 ALTERNATE ROOF PLAN – MIDDLE LOWER CANOPY

SCALE: 1/8"=1'–0"

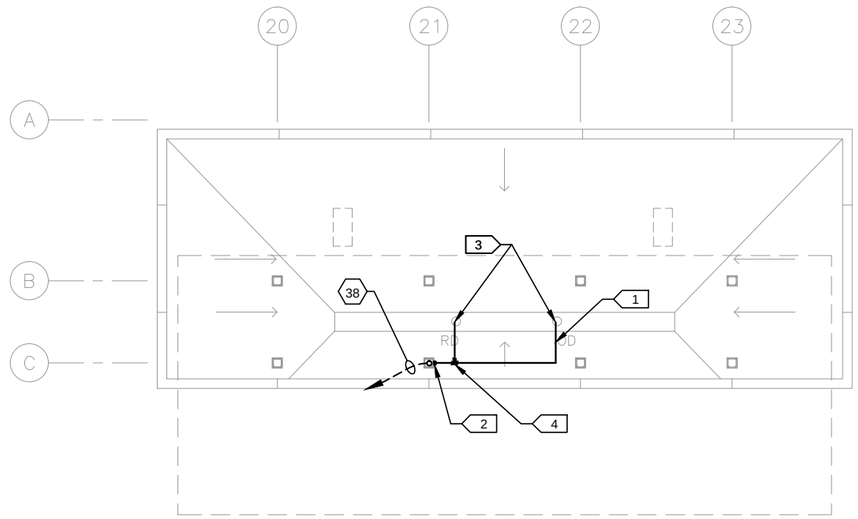
0 2 4 8
SCALE



2 ALTERNATE ROOF PLAN – WEST LOWER CANOPY

SCALE: 1/8"=1'–0"

0 2 4 8
SCALE



3 ALTERNATE ROOF PLAN – EAST LOWER CANOPY

SCALE: 1/8"=1'–0"

0 2 4 8
SCALE

GENERAL NOTES:

1. HEAT TRACE CONTROL PANEL LOCATED IN SEC-001.

KEYNOTES:

1. SELF REGULATING HEAT TRACE CABLE. ATTACH CABLE TO ROOF WITH CLIPS. COORDINATE CLIP REQUIREMENTS WITH ROOFING CONTRACTOR.
2. POWER CONNECTION KIT WITH DOUBLE HEAT TRACE CABLE CONNECTION. COORDINATE MOUNTING REQUIREMENTS WITH STRUCTURAL STEEL CONTRACTOR.
3. RUN HEAT TRACE DOWN RAIN WATER LEADER 6' BELOW FINISHED FLOOR, PROVIDE CABLE PROTECTION WHERE CABLE ENTERS DRAIN STRAINER.
4. HEAT TRACE SPLICE KIT.

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SOUTHWEST
Green Line LRT Extension

CIVIL - VOLUME 11C
LOUISIANA STATION
ELECTRICAL
HEAT TRACE PLAN

DISCIPLINE: ELECTRICAL
SHEET NAME: E2-LOU-ELE-PLN-311

SHEET 192 OF 510

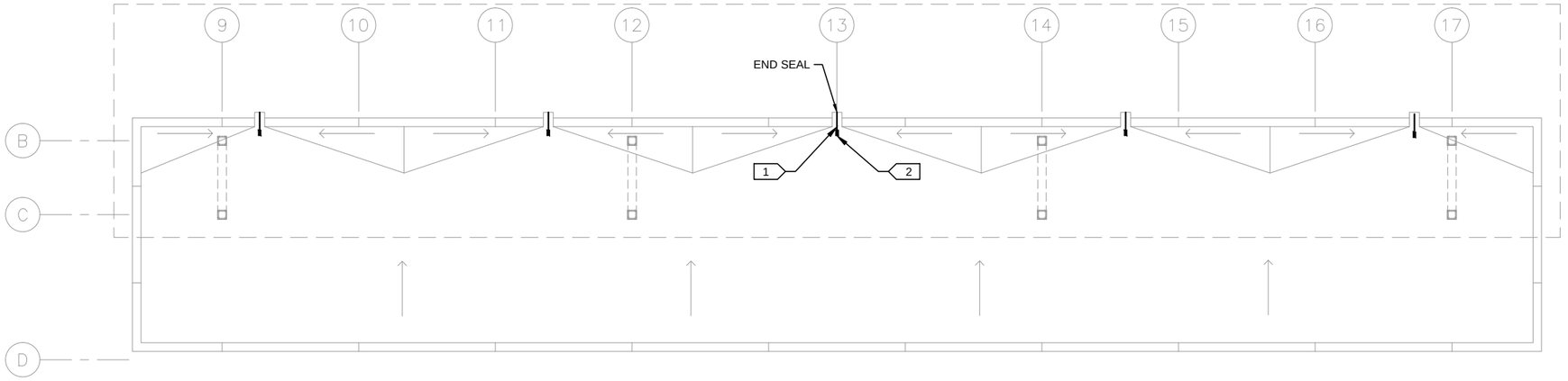
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GENERAL NOTES:

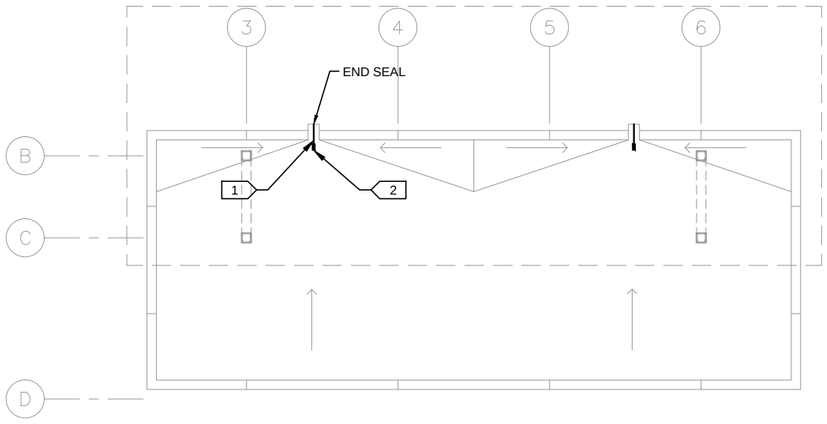
1. HEAT TRACE CONTROL PANEL LOCATED IN SEC-001.

KEYNOTES:

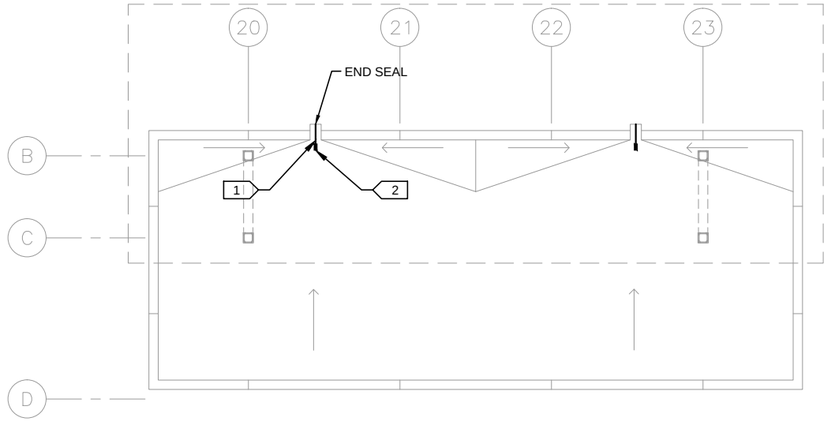
1. SELF REGULATING HEAT TRACE CABLE. ATTACH CABLE TO ROOF WITH CLIPS. COORDINATE CLIP REQUIREMENTS WITH ROOFING CONTRACTOR.
2. RUN HEAT TRACE POWER CONNECTION BOX ABOVE LOWER CANOPY SCUPPER AT UPPER CANOPY. PROVIDE CABLE PROTECTION WHERE CABLE ENTERS SCUPPER.



1 ROOF PLAN – MIDDLE UPPER CANOPY
SCALE: 1/8"=1'–0"
0 2 4 8
SCALE



2 ROOF PLAN – WEST UPPER CANOPY
SCALE: 1/8"=1'–0"
0 2 4 8
SCALE



3 ROOF PLAN – EAST UPPER CANOPY
SCALE: 1/8"=1'–0"
0 2 4 8
SCALE

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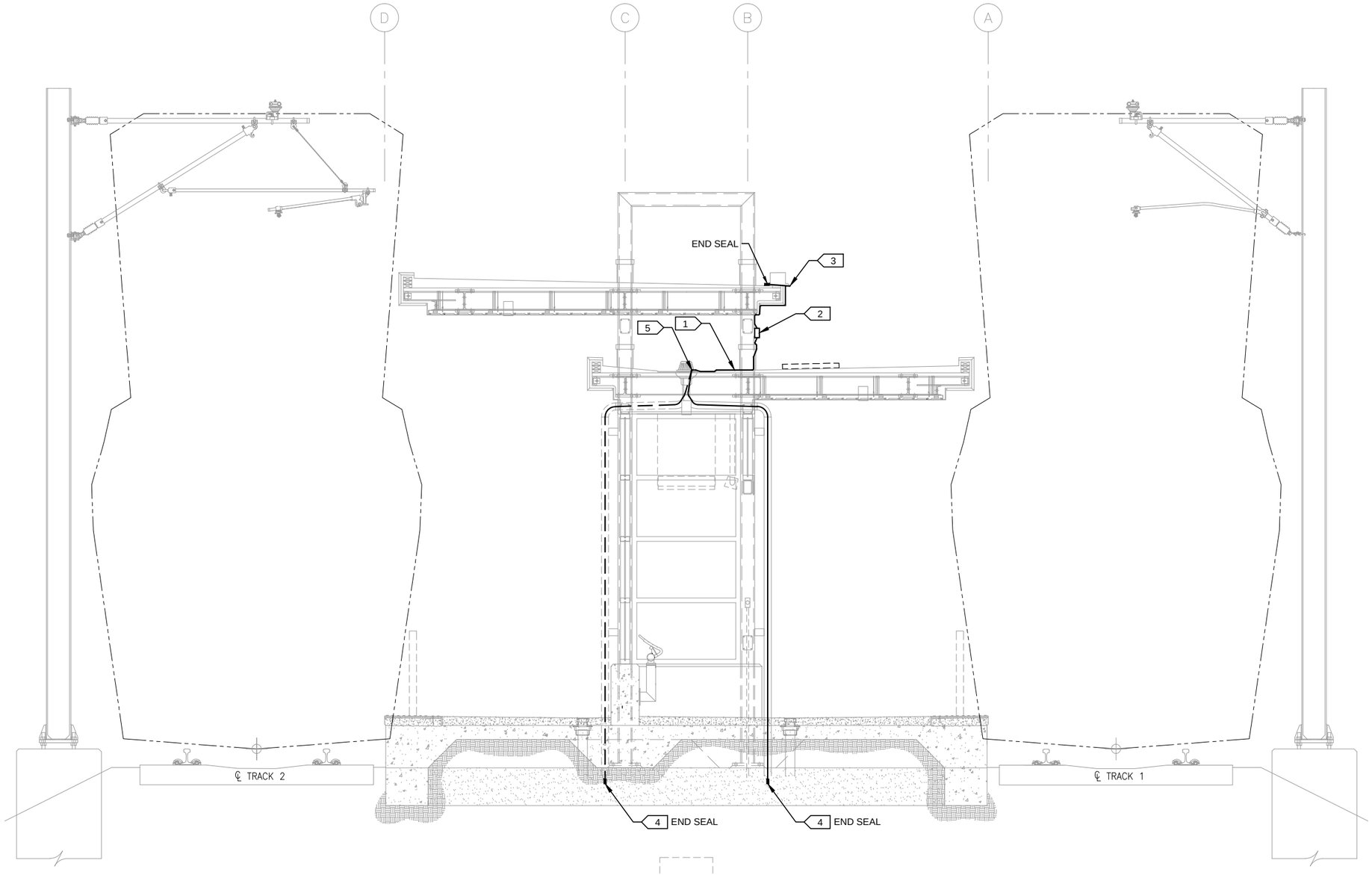
METROPOLITAN COUNCIL
SOUTHWEST
Green Line LRT Extension

CIVIL - VOLUME 11C
LOUISIANA STATION
ELECTRICAL
HEAT TRACE PLAN

DISCIPLINE: ELECTRICAL
SHEET NAME: E2-LOU-ELE-PLN-312

SHEET 193 OF 510

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1 TYPICAL PLATFORM SECTION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

GENERAL NOTES:

1. HEAT TRACE CONTROL PANEL LOCATED IN SEC-001.
2. SEE HEAT TRACE PLAN FOR HEAT TRACE AT UPPER AND LOWER ROOFS.

KEYNOTES:

1. SELF REGULATING HEAT TRACE CABLE. ATTACH CABLE TO ROOF WITH CLIPS. COORDINATE CLIP REQUIREMENTS WITH ROOFING CONTRACTOR.
2. POWER CONNECTION KIT WITH DOUBLE HEAT TRACE CABLE CONNECTION, AS REQUIRED. COORDINATE MOUNTING REQUIREMENTS WITH STRUCTURAL STEEL CONTRACTOR.
3. RUN HEAT TRACE TO SCUPPER AT HIGH ROOF. PROVIDE CABLE PROTECTION WHERE CABLE ENTERS SCUPPER.
4. RUN HEAT TRACE DOWN RAIN WATER LEADER 6' BELOW FINISHED FLOOR.
5. PROVIDE CABLE PROTECTION WHERE CABLE ENTERS ROOF DRAIN STRAINERS.

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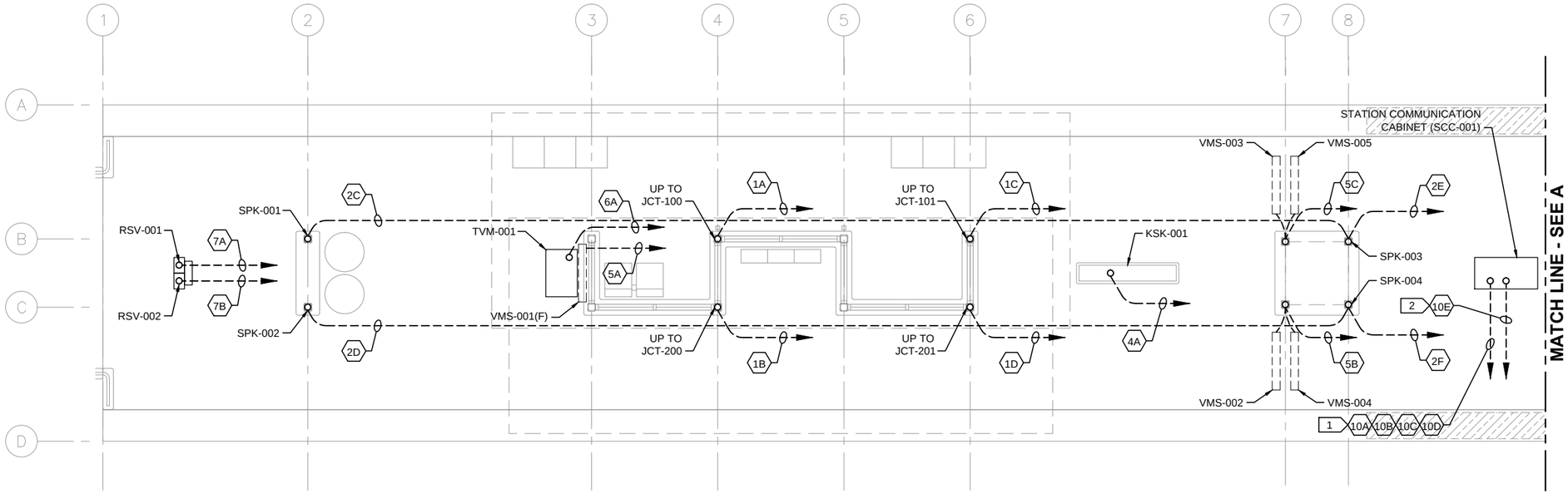
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
LOUISIANA STATION
ELECTRICAL
HEAT TRACE ELEVATION

DISCIPLINE: ELECTRICAL
SHEET NAME: E2-LOU-ELE-ELV-321

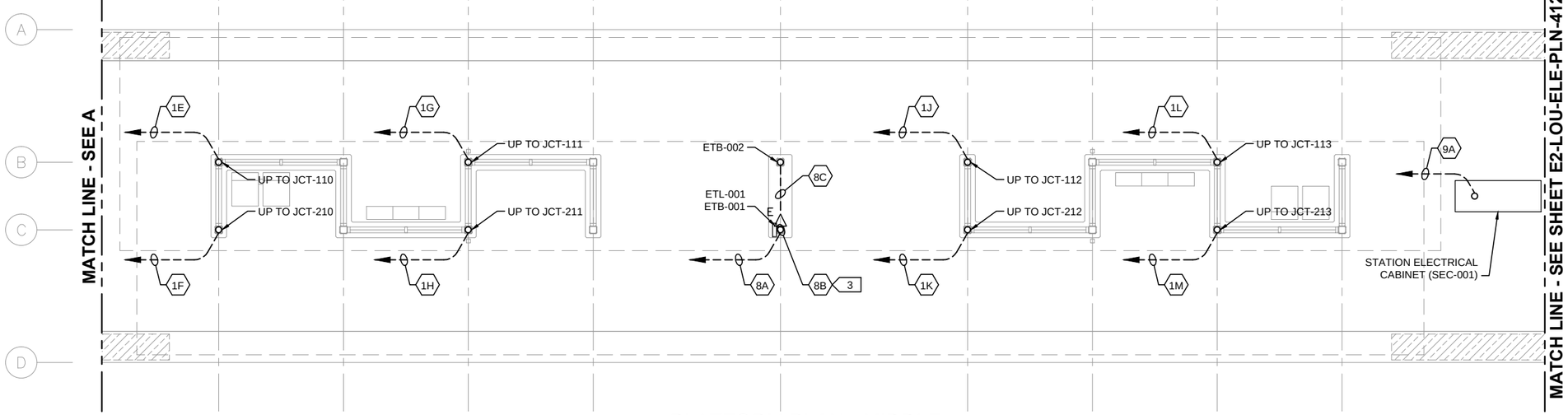
SHEET 194 OF 510

Jan, 18 2016 10:58 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-LOU-ELE-ELV-321.dwg By: FergTK



1 PLATFORM PLAN - WEST

SCALE: 1/8"=1'-0"



2 PLATFORM PLAN - MIDDLE

SCALE: 1/8"=1'-0"

0 2 4 8

HORIZONTAL SCALE IN FEET

GENERAL NOTES:

1. DASHED LINES WITH AN ARROWHEAD DENOTE HOMERUN TO SCC-001, UNLESS OTHERWISE NOTED.
2. FOR CONDUITS AND DEVICES MOUNTED TO CANOPY, SEE COMMUNICATIONS CANOPY PLAN.
3. SEE SHEETS E2-LOU-ELE-SCH-461 AND E2-LOU-ELE-SCH-462 FOR CONDUIT SCHEDULES.
4. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
5. ALL UNDERSLAB CONDUIT SHALL BE PVC, ALL CONDUIT ABOVE PLATFORM SURFACE SHALL BE GRS.
6. CONDUIT ROUTING SHOWN DIAGRAMMATICALLY.
7. TVMs, RSVs, SPEAKERS, ETEL AND COMMUNICATION CABINET TO BE PROVIDED BY OTHERS; SHOWN FOR REFERENCE ONLY.

KEYNOTES:

1. COMMUNICATIONS CONDUITS TO/FROM STATION SIGNAL-COMMUNICATIONS HOUSE VIA MH-XXXX.
2. CONDUIT TO/FROM STATION-COMMUNICATIONS HOUSE FOR UPS POWER FEED TO SCC-001.
3. CONDUIT AND CABLE FOR ETEL BEACON LIGHT SHALL BE INSTALLED ENTIRELY WITHIN COLUMN.

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SOUTHWEST Green Line LRT Extension

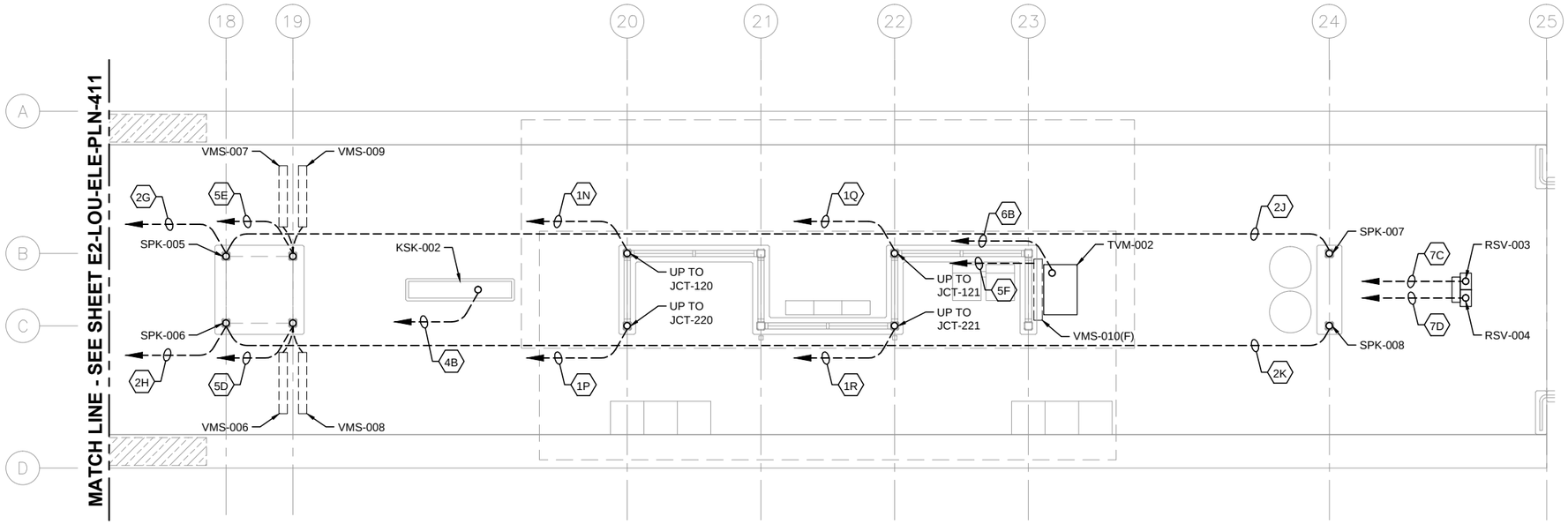
CIVIL - VOLUME 11C
LOUISIANA STATION COMMUNICATIONS UNDERSLAB CONDUIT PLAN (1 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E2-LOU-ELE-PLN-411

SHEET 195 OF 510

Jan, 18 2016 10:59 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-LOU-ELE-PLN-411.dwg By: FergTK



1 PLATFORM PLAN - EAST

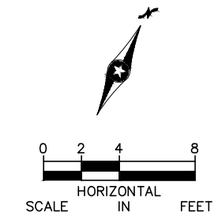
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. DASHED LINES WITH AN ARROWHEAD DENOTE HOMERUN TO SCC-001, UNLESS OTHERWISE NOTED.
2. FOR CONDUITS AND DEVICES MOUNTED TO CANOPY, SEE COMMUNICATIONS CANOPY PLAN.
3. SEE SHEETS E2-LOU-ELE-SCH-461 AND E2-LOU-ELE-SCH-462 FOR CONDUIT SCHEDULES.
4. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
5. ALL UNDERSLAB CONDUIT SHALL BE PVC, ALL CONDUIT ABOVE PLATFORM SURFACE SHALL BE GRS.
6. CONDUIT ROUTING SHOWN DIAGRAMMATICALLY.
7. TVMs, RSVs, SPEAKERS, ETEL AND COMMUNICATION CABINET TO BE PROVIDED BY OTHERS; SHOWN FOR REFERENCE ONLY.

KEYNOTES:

1.



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METROPOLITAN COUNCIL

SOUTHWEST
Green Line LRT Extension

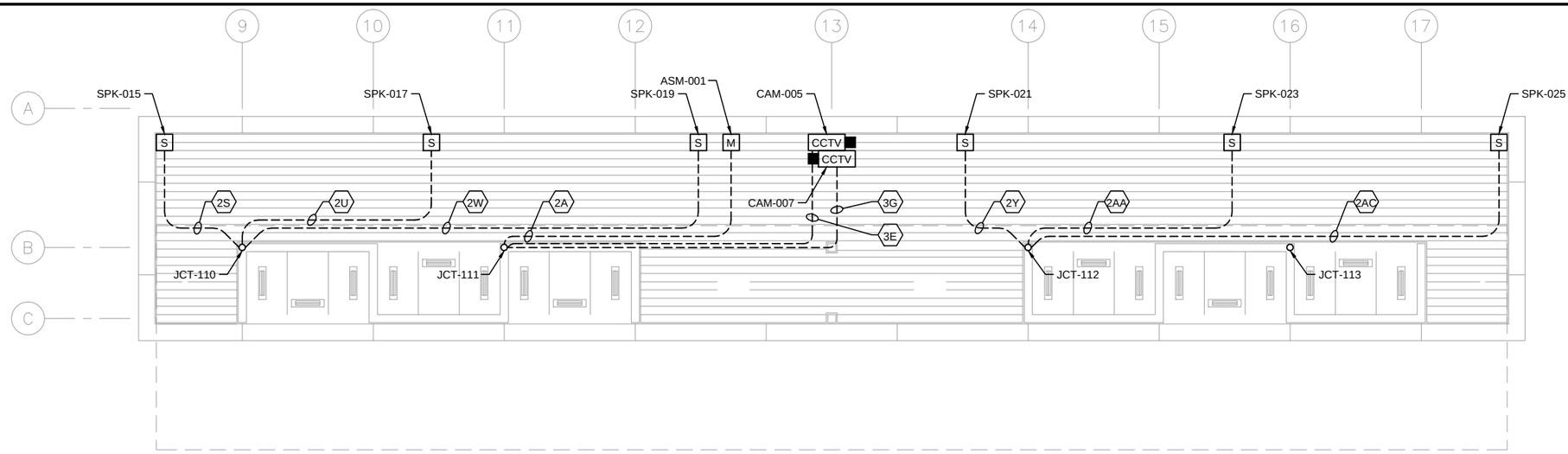
CIVIL - VOLUME 11C
LOUISIANA STATION
COMMUNICATIONS
UNDERSLAB CONDUIT PLAN (2 OF 2)

DISCIPLINE: ELECTRICAL

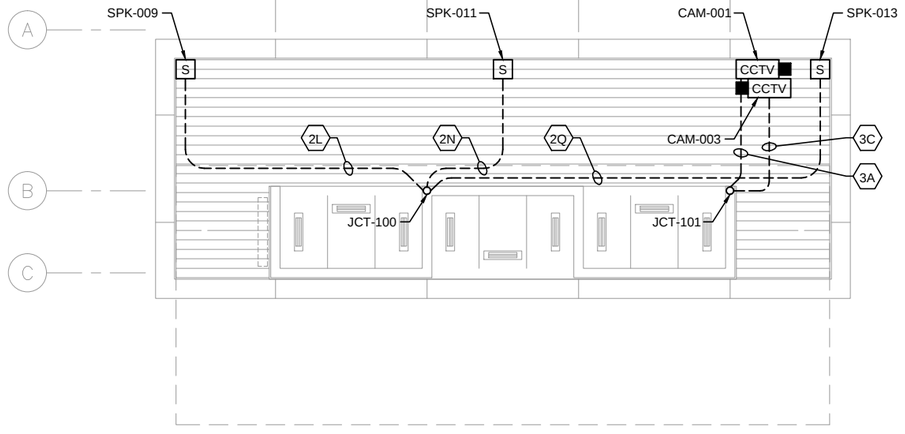
SHEET NAME: E2-LOU-ELE-PLN-412

SHEET 196 OF 510

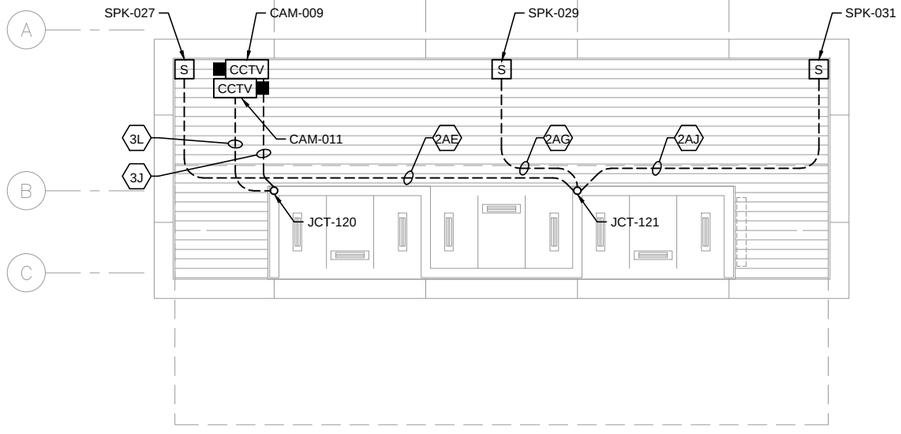
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1 TRACK 1 SIDE CANOPY PLAN – MIDDLE
SCALE: 1/8"=1'–0"



2 TRACK 1 SIDE CANOPY PLAN – WEST END
SCALE: 1/8"=1'–0"



3 TRACK 1 SIDE CANOPY PLAN – EAST END
SCALE: 1/8"=1'–0"

GENERAL NOTES:

1. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
2. SEE SHEETS E2-LOU-ELE-SCH-461 AND E2-LOU-ELE-SCH-462 FOR CONDUIT SCHEDULES.
3. ALL CONDUIT SHOWN SHALL BE GRS.
4. CONDUIT SHOWN DIAGRAMMATICALLY.
5. CCTV CAMERAS AND MICROPHONE SHOWN FOR REFERENCE ONLY; WILL BE PROVIDED BY OTHERS.

KEYNOTES:

1.

0 2 4 8
HORIZONTAL SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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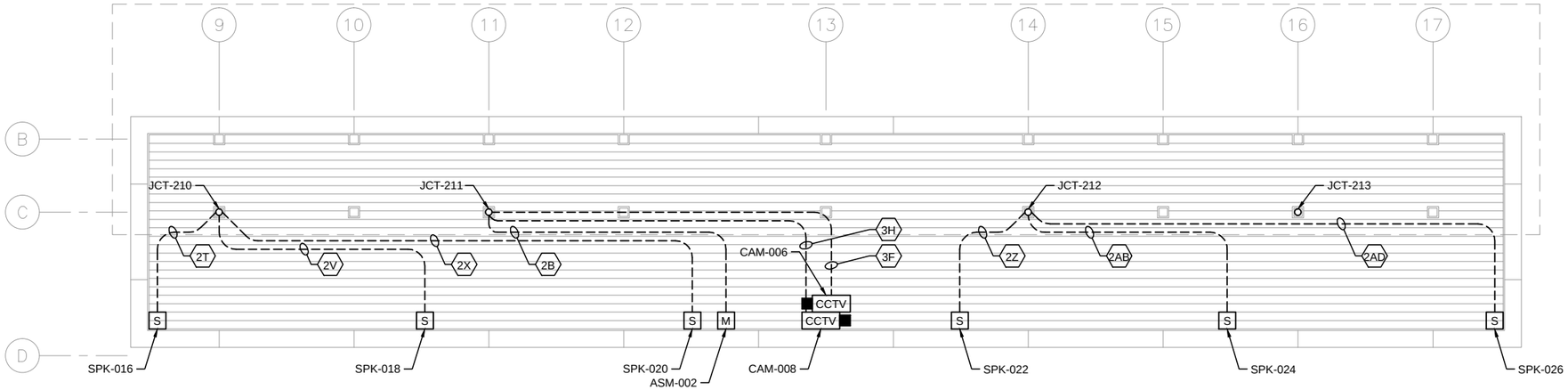
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
LOUISIANA STATION
COMMUNICATIONS
CANOPY PLAN - TRACK 1 SIDE

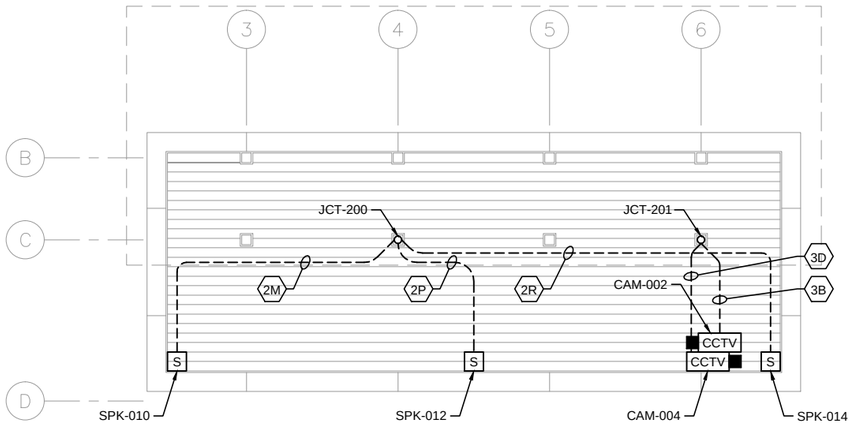
DISCIPLINE: ELECTRICAL
SHEET NAME: E2-LOU-ELE-PLN-421

SHEET 197 OF 510

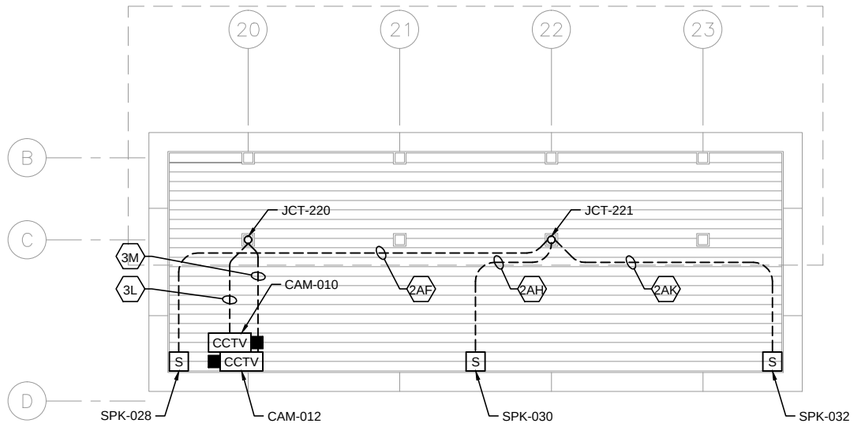
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1 TRACK 2 SIDE CANOPY PLAN – MIDDLE
SCALE: 1/8"=1'–0"



2 TRACK 2 SIDE CANOPY PLAN – WEST END
SCALE: 1/8"=1'–0"



3 TRACK 2 SIDE CANOPY PLAN – EAST END
SCALE: 1/8"=1'–0"

GENERAL NOTES:

1. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
2. SEE SHEETS E2-LOU-ELE-SCH-461 AND E2-LOU-ELE-SCH-462 FOR CONDUIT SCHEDULES.
3. ALL CONDUIT SHOWN SHALL BE GRS.
4. CONDUIT SHOWN DIAGRAMMATICALLY.
5. CCTV CAMERAS AND MICROPHONE SHOWN FOR REFERENCE ONLY; WILL BE PROVIDED BY OTHERS.

KEYNOTES:

1.

0 2 4 8
HORIZONTAL SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
LOUISIANA STATION
COMMUNICATIONS
CANOPY PLAN - TRACK 2 SIDE

DISCIPLINE: ELECTRICAL
SHEET NAME: E2-LOU-ELE-PLN-422

SHEET 198 OF 510

Jan, 18 2016 11:00 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-LOU-ELE-PLN-422.dwg By: FergTK

GENERAL NOTES:

1. CONDUIT NUMBERS CORRELATE TO ⬡ NUMBERS ON PLAN SHEETS AND ELEVATIONS.
2. SEE PLAN AND ELEVATION SHEETS FOR LOCATIONS OF CONDUITS.

LOUISIANA STATION COMMUNICATION CONDUIT AND CABLE SCHEDULE

CONDUIT NO.	DEVICE ID	DESCRIPTION/USE	FROM	TO	CONDUIT SIZE
10A	LOU -CON-0001	S/C HOUSE TO SCC-001	S/C MANHOLE	LOU -SCC-001	3"
10B	LOU -CON-0002	S/C HOUSE TO SCC-001	S/C MANHOLE	LOU -SCC-001	3"
10C	LOU -CON-0003	S/C HOUSE TO SCC-001	S/C MANHOLE	LOU -SCC-001	3"
10D	LOU -CON-0004	S/C HOUSE TO SCC-001	S/C MANHOLE	LOU -SCC-001	3"
10E	LOU -CON-0005	UPS POWER FEED: SCH TO SCC	LOU -SCH-001	LOU -SCC-001	3"
1A	LOU -CON-0101	SCC TO JUNCTION 100	LOU -SCC-001	LOU -JCT-100	2"
1B	LOU -CON-0102	SCC TO JUNCTION 200	LOU -SCC-001	LOU -JCT-200	2"
1C	LOU -CON-0103	SCC TO JUNCTION 101	LOU -SCC-001	LOU -JCT-101	2"
1D	LOU -CON-0104	SCC TO JUNCTION 201	LOU -SCC-001	LOU -JCT-201	2"
1E	LOU -CON-0105	SCC TO JUNCTION 110	LOU -SCC-001	LOU -JCT-110	2"
1F	LOU -CON-0106	SCC TO JUNCTION 210	LOU -SCC-001	LOU -JCT-210	2"
1G	LOU -CON-0107	SCC TO JUNCTION 111	LOU -SCC-001	LOU -JCT-111	2"
1H	LOU -CON-0108	SCC TO JUNCTION 211	LOU -SCC-001	LOU -JCT-211	2"
1J	LOU -CON-0109	SCC TO JUNCTION 112	LOU -SCC-001	LOU -JCT-112	2"
1K	LOU -CON-0110	SCC TO JUNCTION 212	LOU -SCC-001	LOU -JCT-212	2"
1L	LOU -CON-0111	SCC TO JUNCTION 113	LOU -SCC-001	LOU -JCT-113	2"
1M	LOU -CON-0112	SCC TO JUNCTION 213	LOU -SCC-001	LOU -JCT-213	2"
1N	LOU -CON-0113	SCC TO JUNCTION 120	LOU -SCC-001	LOU -JCT-120	2"
1P	LOU -CON-0114	SCC TO JUNCTION 220	LOU -SCC-001	LOU -JCT-220	2"
1Q	LOU -CON-0115	SCC TO JUNCTION 121	LOU -SCC-001	LOU -JCT-121	2"
1R	LOU -CON-0116	SCC TO JUNCTION 221	LOU -SCC-001	LOU -JCT-221	2"
2A	LOU -CON-0201	MICROPHONE 1 - NOISE SENSING	LOU -JCT-111	LOU -ASM-001	1"
2B	LOU -CON-0202	MICROPHONE 2 - NOISE SENSING	LOU -JCT-211	LOU -ASM-002	1"
2C	LOU -CON-0203	SPEAKER 1 - POLE	LOU -SPK-003	LOU -SPK-001	1-1/2"
2D	LOU -CON-0204	SPEAKER 2 - POLE	LOU -SPK-004	LOU -SPK-002	1-1/2"
2E	LOU -CON-0205	SPEAKER 3 - POLE	LOU -SCC-001	LOU -SPK-003	1-1/2"
2F	LOU -CON-0206	SPEAKER 4 - POLE	LOU -SCC-001	LOU -SPK-004	1-1/2"
2G	LOU -CON-0207	SPEAKER 5 - POLE	LOU -SCC-001	LOU -SPK-005	1-1/2"
2H	LOU -CON-0208	SPEAKER 6 - POLE	LOU -SCC-001	LOU -SPK-006	1-1/2"
2J	LOU -CON-0209	SPEAKER 7 - POLE	LOU -SPK-005	LOU -SPK-007	1-1/2"
2K	LOU -CON-0210	SPEAKER 8 - POLE	LOU -SPK-006	LOU -SPK-008	1-1/2"
2L	LOU -CON-0211	SPEAKER 9 - CANOPY	LOU -JCT-100	LOU -SPK-009	1"
2M	LOU -CON-0212	SPEAKER 10 - CANOPY	LOU -JCT-200	LOU -SPK-010	1"
2N	LOU -CON-0213	SPEAKER 11 - CANOPY	LOU -JCT-100	LOU -SPK-011	1"
2P	LOU -CON-0214	SPEAKER 12 - CANOPY	LOU -JCT-200	LOU -SPK-012	1"
2Q	LOU -CON-0215	SPEAKER 13 - CANOPY	LOU -JCT-100	LOU -SPK-013	1"
2R	LOU -CON-0216	SPEAKER 14 - CANOPY	LOU -JCT-200	LOU -SPK-014	1"
2S	LOU -CON-0217	SPEAKER 15 - CANOPY	LOU -JCT-110	LOU -SPK-015	1"
2T	LOU -CON-0218	SPEAKER 16 - CANOPY	LOU -JCT-210	LOU -SPK-016	1"
2U	LOU -CON-0219	SPEAKER 17 - CANOPY	LOU -JCT-110	LOU -SPK-017	1"
2V	LOU -CON-0220	SPEAKER 18 - CANOPY	LOU -JCT-210	LOU -SPK-018	1"
2W	LOU -CON-0221	SPEAKER 19 - CANOPY	LOU -JCT-110	LOU -SPK-019	1"
2X	LOU -CON-0222	SPEAKER 20 - CANOPY	LOU -JCT-210	LOU -SPK-020	1"
2Y	LOU -CON-0223	SPEAKER 21 - CANOPY	LOU -JCT-112	LOU -SPK-021	1"
2Z	LOU -CON-0224	SPEAKER 22 - CANOPY	LOU -JCT-212	LOU -SPK-022	1"
2AA	LOU -CON-0225	SPEAKER 23 - CANOPY	LOU -JCT-112	LOU -SPK-023	1"
2AB	LOU -CON-0226	SPEAKER 24 - CANOPY	LOU -JCT-212	LOU -SPK-024	1"
2AC	LOU -CON-0227	SPEAKER 25 - CANOPY	LOU -JCT-112	LOU -SPK-025	1"
2AD	LOU -CON-0228	SPEAKER 26 - CANOPY	LOU -JCT-212	LOU -SPK-026	1"
2AE	LOU -CON-0229	SPEAKER 27 - CANOPY	LOU -JCT-121	LOU -SPK-027	1"
2AF	LOU -CON-0230	SPEAKER 28 - CANOPY	LOU -JCT-221	LOU -SPK-028	1"
2AG	LOU -CON-0231	SPEAKER 29 - CANOPY	LOU -JCT-121	LOU -SPK-029	1"
2AH	LOU -CON-0232	SPEAKER 30 - CANOPY	LOU -JCT-221	LOU -SPK-030	1"
2AJ	LOU -CON-0233	SPEAKER 31 - CANOPY	LOU -JCT-121	LOU -SPK-031	1"
2AK	LOU -CON-0234	SPEAKER 32 - CANOPY	LOU -JCT-221	LOU -SPK-032	1"

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
LOUISIANA STATION COMMUNICATIONS CONDUIT SCHEDULE (1 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E2-LOU-ELE-SCH-461

SHEET 199 OF 510

LOUISIANA STATION COMMUNICATION CONDUIT AND CABLE SCHEDULE					
CONDUIT NO.	DEVICE ID	DESCRIPTION/USE	FROM	TO	CONDUIT SIZE
3A	LOU -CON-0301	CAMERA 1	LOU -JCT-101	LOU CAM-001	1"
3B	LOU -CON-0302	CAMERA 2	LOU -JCT-201	LOU CAM-002	1"
3C	LOU -CON-0303	CAMERA 3	LOU -JCT-101	LOU CAM-003	1"
3D	LOU -CON-0304	CAMERA 4	LOU -JCT-201	LOU CAM-004	1"
3E	LOU -CON-0305	CAMERA 5	LOU -JCT-111	LOU CAM-005	1"
3F	LOU -CON-0306	CAMERA 6	LOU -JCT-211	LOU CAM-006	1"
3G	LOU -CON-0307	CAMERA 7	LOU -JCT-111	LOU CAM-007	1"
3H	LOU -CON-0308	CAMERA 8	LOU -JCT-211	LOU CAM-008	1"
3J	LOU -CON-0309	CAMERA 9	LOU -JCT-120	LOU CAM-009	1"
3K	LOU -CON-0310	CAMERA 10	LOU -JCT-220	LOU CAM-010	1"
3L	LOU -CON-0311	CAMERA 11	LOU -JCT-120	LOU CAM-011	1"
3M	LOU -CON-0312	CAMERA 12	LOU -JCT-220	LOU CAM-012	1"
4A	LOU -CON-0401	KIOSK 1 (F)	LOU -SCC-001	LOU -KSK-001	2"
4B	LOU -CON-0402	KIOSK 2 (F)	LOU -SCC-001	LOU -KSK-002	2"
5A	LOU -CON-0501	VMS 1 (F)	LOU -SCC-001	LOU -VMS-001	1"
5B	LOU -CON-0502	VMS 2, VMS 3	LOU -SCC-001	LOU -VMS-002, -VMS-003	1-1/2"
5C	LOU -CON-0503	VMS 4, VMS 5	LOU -SCC-001	LOU -VMS-004, -VMS-005	1-1/2"
5D	LOU -CON-0504	VMS 6, VMS 7	LOU -SCC-001	LOU -VMS-006, -VMS-007	1-1/2"
5E	LOU -CON-0505	VMS 8, VMS 9	LOU -SCC-001	LOU -VMS-008, -VMS-009	1-1/2"
5F	LOU -CON-0506	VMS 10 (F)	LOU -SCC-001	LOU -VMS-010	1"
6A	LOU -CON-0601	TVM 1	LOU -SCC-001	LOU -TVM-001	2"
6B	LOU -CON-0602	TVM 2	LOU -SCC-001	LOU -TVM-002	2"
7A	LOU -CON-0701	VALIDATOR 1	LOU -SCC-001	LOU -RSV-001	1-1/2"
7B	LOU -CON-0702	VALIDATOR 2	LOU -SCC-001	LOU -RSV-002	1-1/2"
7C	LOU -CON-0703	VALIDATOR 3	LOU -SCC-001	LOU -RSV-003	1-1/2"
7D	LOU -CON-0704	VALIDATOR 4	LOU -SCC-001	LOU -RSV-004	1-1/2"
8A	LOU -CON-0801	EMERGENCY TELEPHONE 1 - PHONE	LOU -SCC-001	LOU -ETL-001	1-1/2"
8B	LOU -CON-0802	EMERGENCY TELEPHONE 1 - BEACON LIGHT 1	LOU -ETL-001	LOU -ETB-001	1"
8C	LOU -CON-0803	EMERGENCY TELEPHONE 1 - BEACON LIGHT 2	LOU -ETL-001	LOU -ETB-002	1"
9A	LOU -CON-0901	STATION ELECTRICAL CABINET	LOU -SCC-001	LOU -SEC-001	2"

GENERAL NOTES:

1. CONDUIT NUMBERS CORRELATE TO ⬡ NUMBERS ON PLAN SHEETS AND ELEVATIONS.
2. SEE PLAN AND ELEVATION SHEETS FOR LOCATIONS OF CONDUITS.

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
LOUISIANA STATION
COMMUNICATIONS
CONDUIT SCHEDULE (2 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E2-LOU-ELE-SCH-462

SHEET 200 OF 510

LOUISIANA CONDUIT AND WIRE SCHEDULE

CONDUIT NUMBER	SIZE	WIRE	FROM	TO	REMARKS	NOTES
1	1"	2#8, 1#10G	HEATERS HTR-101, 102, 103	PANELBOARD LP1A	POWER TO HEATERS	
2	1"	2#8, 1#10G	HEATERS HTR-104, 105, 106	PANELBOARD LP1A	POWER TO HEATERS	
3	1"	2#8, 1#10G	HEATERS HTR-107, 108, 109	PANELBOARD LP1A	POWER TO HEATERS	
4	1"	2#8, 1#10G	HEATERS HTR-110, 111, 112	PANELBOARD LP1A	POWER TO HEATERS	
5	1"	2#8, 1#10G	HEATERS HTR-113, 114, 115	PANELBOARD LP1A	POWER TO HEATERS	
6	1"	2#8, 1#10G	HEATERS HTR-116, 117, 118	PANELBOARD LP1A	POWER TO HEATERS	
7	1"	2#8, 1#10G	HEATERS HTR-119, 120, 121	PANELBOARD LP1A	POWER TO HEATERS	
8	1"	2#8, 1#10G	HEATERS HTR-122, 123, 124	PANELBOARD LP1A	POWER TO HEATERS	
9	1"	2#8, 1#10G	HEATERS HTR-125, 126, 127	PANELBOARD LP1A	POWER TO HEATERS	
10	1"	2#8, 1#10G	HEATERS HTR-128, 129, 130	PANELBOARD LP1A	POWER TO HEATERS	
11	1"	2#8, 1#10G	HEATERS HTR-131, 132, 133	PANELBOARD LP1A	POWER TO HEATERS	
12	1"	2#8, 1#10G	HEATERS HTR-134, 135, 136	PANELBOARD LP1A	POWER TO HEATERS	
13	1"	2#14, 1#14G	HPB-101	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
14	1"	2#14, 1#14G	HPB-102	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
15	1"	2#14, 1#14G	HPB-103	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
16	1"	2#14, 1#14G	HPB-104	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
17	1"	2#14, 1#14G	HPB-105	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
18	1"	2#14, 1#14G	HPB-106	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
19	1"	2#14, 1#14G	HPB-107	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
20	1"	2#14, 1#14G	HPB-108	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
21	1"	2#14, 1#14G	HPB-109	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
22	1"	2#14, 1#14G	HPB-110	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
23	1"	2#14, 1#14G	HPB-111	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
24	1"	2#14, 1#14G	HPB-112	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
25	1"	2#10, 1#10G	TVM-101	PANELBOARD LP1B	POWER TO TVM	
26	1"	2#10, 1#10G	TVM-102	PANELBOARD LP1B	POWER TO TVM	
27	1"	4#12, 2#12G	RSV-101, RSV-102	PANELBOARD LP1B	POWER TO RSVs	
28	1"	4#12, 2#12G	RSV-103, RSV-104	PANELBOARD LP1B	POWER TO RSVs	
29	1"	2#12, 1#12G	KSK-101	PANELBOARD LP1A	POWER TO KIOSK	
30	1"	2#12, 1#12G	KSK-102	PANELBOARD LP1A	POWER TO KIOSK	
31	1"	2#12, 1#12G	CANOPY LUMINAIRES	PANELBOARD LP1A	POWER TO LUMINAIRES	
32	1"	2#12, 1#12G	CANOPY LUMINAIRES	PANELBOARD LP1A	POWER TO LUMINAIRES	
33	1"	2#12, 1#12G	CANOPY LUMINAIRES	PANELBOARD LP1A	POWER TO LUMINAIRES	
34	1"	2#12, 1#12G	CANOPY LUMINAIRES	PANELBOARD LP1A	POWER TO LUMINAIRES	
35	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2
36	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2
37	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2
38	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2
39	1"	2#10, 1#10G	RAMP LIGHTING	PANELBOARD LP1A	POWER TO RAMP LIGHTING	
40	1"	2#10, 1#10G	RAMP LIGHTING	PANELBOARD LP1A	POWER TO RAMP LIGHTING	
41	1"	2#10, 1#10G	RAMP LIGHTING	PANELBOARD LP1A	POWER TO RAMP LIGHTING	
42	1"	2#10, 1#10G	RAMP LIGHTING	PANELBOARD LP1A	POWER TO RAMP LIGHTING	
43	1"	4#10, 1#10G	COMMUNICATIONS CABINET SCC-001	PANELBOARD LP1B	POWER TO COMMUNICATIONS CABINET	
44	1"	EMPTY W/ PULL CORD	VMS-001 (F)	PANELBOARD LP1B	POWER TO VMS (F)	
45	1"	4#10, 2#10G	VMS-002, VMS-003	PANELBOARD LP1B	POWER TO VMS	
46	1"	4#10, 2#10G	VMS-008, VMS-009	PANELBOARD LP1B	POWER TO VMS	
47	1"	EMPTY W/ PULL CORD	VMS-010 (F)	PANELBOARD LP1B	POWER TO VMS (F)	
48	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
49	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
50	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
51	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
52	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
53						
54						
55						

ELECTRICAL NOTES
1. NOT USED
2. 3/C#18 CABLE FOR AMBIENT AIR TEMPERATURE SENSOR IS ALSO RUN IN THE CONDUIT.

PANELBOARD SCHEDULE LOU-LP1A

400 AMP BUS RATING, 120/208 VOLTS MLO, 3 PHASE 4 WIRE 60Hz, 42 POLES SURFACE MOUNTED LOCATION

DESCRIPTION	kVA	AMPS/POLES	CKT	AØ	BØ	CØ	CKT	AMPS/POLES	kVA	DESCRIPTION
RAMP LIGHTING	0.4	20/1	1	X			2	30/2	2.4	HTR-119, 120, 121
RAMP LIGHTING	0.4	20/1	3		X		4		2.4	
HTR-101, 102, 103	2.4	30/2	5			X	6	30/2	2.4	HTR-122, 123, 124
	2.4		7	X			8		2.4	
HTR-104, 105, 106	2.4	30/2	9		X		10	30/2	2.4	HTR-125, 126, 127
	2.4		11			X	12		2.4	
HTR-107, 108, 109	2.4	30/2	13	X			14	30/2	2.4	HTR-128, 129, 130
	2.4		15		X		16		2.4	
HTR-110, 111 112	2.4	30/2	17			X	18	30/2	2.4	HTR-131, 132, 133
	2.4		19	X			20		2.4	
HTR-113, 114, 115	2.4	30/2	21		X		22	30/2	2.4	HTR-134, 135, 136
	2.4		23			X	24		2.4	
HTR-116, 117, 118	2.4	30/2	25	X			26	20/1	0.16	SHELTER LUMINAIRES
	2.4		27		X		28	20/1	0.16	SHELTER LUMINAIRES
KSK-101	0.3	20/1	29			X	30	20/1	0.17	SHELTER LUMINAIRES
KSK-102	0.3	20/1	31	X			32	20/1	0.17	SHELTER LUMINAIRES
HTRCP-101	1.0	30/2	33		X		34	20/1	1.0	POLE LUMINAIRES
	1.0		35			X	36	20/1		SPARE
HTRCP-102	1.0	30/2	37	X			38	20/1		SPARE
	1.0		39		X		40			SPACE
SPACE			41			X	42			SPACE
		kVA		26.5	28.0	26.7	kVA		5.3	
		AMPS		221.1	233.0	222.3	AMPS		5.2	
									6.0	FEED THROUGH LUGS LP1B

PANELBOARD SCHEDULE LOU-LP1B

400 AMP BUS RATING, 120/208 VOLTS 400 MLO, 3 PHASE 4 WIRE 60Hz, 30 POLES SURFACE MOUNTED LOCATION

DESCRIPTION	kVA	AMPS/POLES	CKT	AØ	BØ	CØ	CKT	AMPS/POLES	kVA	DESCRIPTION
SPD		60/2	1	X			2	20/1	0.3	RSV-101
			3		X		4	20/1	0.3	RSV-102
SEC-001	0.5	20/1	5			X	6	20/1	0.3	RSV-103
VMS-001 (FUTURE)	1.0	20/1	7	X			8	20/1	0.3	RSV-104
VMS-002	1.0	20/1	9		X		10	20/1		SPARE
VMS-003	1.0	20/1	11			X	12	20/1		SPARE
SCC-001	2.7	30/2	13	X			14	20/1	1.0	VMS-008
	2.7		15		X		16	20/1	1.0	VMS-009
SPARE		20/1	17			X	18	20/1	1.0	VMS-010 (FUTURE)
SPARE		20/1	19	X			20	30/1		SPARE
HTG AND LTG CONTROL SYSTEM	0.2	15/1	21		X		22	30/1		SPARE
TVM-101	1.6	30/1	23			X	24	30/1	1.6	TVM-102
SPACE			25	X			26			SPACE
SPACE			27		X		28			SPACE
SPACE			29			X	30			SPACE
		kVA		5.3	5.2	6.0	kVA			
		AMPS		44.2	43.3	50.0	AMPS			

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
LOUISIANA STATION
ELECTRICAL
SCHEDULES

DISCIPLINE: ELECTRICAL
SHEET NAME: E2-LOU-ELE-SCH-501

SHEET 201 OF 510

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CODE SUMMARY - CENTER PLATFORM
WOODDALE STATION

CODE REFERENCES

MINNESOTA STATE BUILDING CODE	2015
NFPA 130 – STANDARD FOR FIXED GUIDEWAY TRANSIT AND PASSENGER RAIL SYSTEMS	2014

IBC REVIEW

A. DESCRIPTION
LOCATION: ST. LOUIS PARK, MN

THE LIGHT RAIL TRANSIT STATION IS A PARTIALLY CANOPIED PLATFORM AREA. IT CONSISTS OF A PLATFORM 270' LONG BY 21'–4" ACCESSED BY A SLOPED WALK AT EACH END OF PLATFORM. PLATFORM IS OPEN TO EXTERIOR ON ALL FOUR SIDES.

TYPICAL PLATFORM AREA: 5760 SQUARE FEET (GROSS AREA)
4264 SQUARE FEET (NET AREA AFTER STRUCTURAL ELEMENTS, FIXTURES AND PERMANENTLY INSTALLED FURNISHINGS ARE DEDUCTED)

CANOPY COVERAGE AREA AT PLATFORM: = 3169 SQUARE FEET
731 SQUARE FEET (LOWER @ 36'–8" X 13'–8" AND UPPER @ 34'–6" X 6'–8") WEST CANOPY
1707 SQUARE FEET (LOWER @ 84'–8" X 13'–8" AND UPPER @ 82'–6" X 6'–8") MIDDLE CANOPY
731 SQUARE FEET (LOWER @ 36'–8" X 13'–8" AND UPPER @ 34'–6" X 6'–8") EAST CANOPY

B. OCCUPANCY CLASSIFICATION (IBC 2015 SECTION 303.1)

WAITING AREAS IN TRANSPORTATION TERMINALS: GROUP 'A' DIVISION 3
(15 S.F. PER PERSON)

C. OCCUPANCY SEPARATIONS

NONE ARE REQUIRED

D. TYPE OF CONSTRUCTION (IBC 2015 TABLE 601)

TYPE IIB CONSTRUCTION

E. ALLOWABLE BUILDING AREA AND BUILDING HEIGHT (IBC 2015 TABLE 503)

2 STORIES AT 9,500 SQUARE FEET PER STORY

F. IBC EXITING SUMMARY

NO. OF OCCUPANTS = 4264 S.F. / 15 S.F./OCC = 285
REQUIRED EGRESS WIDTH = 285 X 0.2 = 57" (PER 1005.3.2)
WIDTH PROVIDED = 2 RAMPS AT 145" = 290"
2 MEANS OF EGRESS PROVIDED

PLATFORM COLOR AND FINISH SCHEDULE

PRODUCTS AND COLORS LISTED ARE THE BASIS OF DESIGN FOR AESTHETIC/ARCHITECTURAL INTENT. SEE SPECIFICATIONS FOR MATERIAL/PRODUCT REQUIREMENTS.

PLATFORM COLOR AND FINISH SCHEDULE

TYPE	STATION	STRUCTURAL STEEL PAINT COLOR	PLATFORM CONC COLOR	PLATFORM CONC FINISH	CONC WALL COLOR	CONC WALL FINISH	RAILING INFILL MATERIAL	ALUM WDW FRAME FINISH	EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA FINISH	ALUM COMP CANOPY SOFFIT AND FASCIA COLOR	ARCH WOVEN MESH
CENTER	WOODDALE STATION	PPG 518–6 KNIGHT'S ARMOR	CEMSTONE MENDOTA BUFF	LIGHT BROOM	CEMSTONE MENDOTA BUFF	TBD	GALV STL CABLE	CLEAR ANODIZED	HUNTER DOUGLAS WOODWRIGHT 8449 WINDJAMMER TEAK	ALUCOBOND NATURAL ZINC	TBD

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

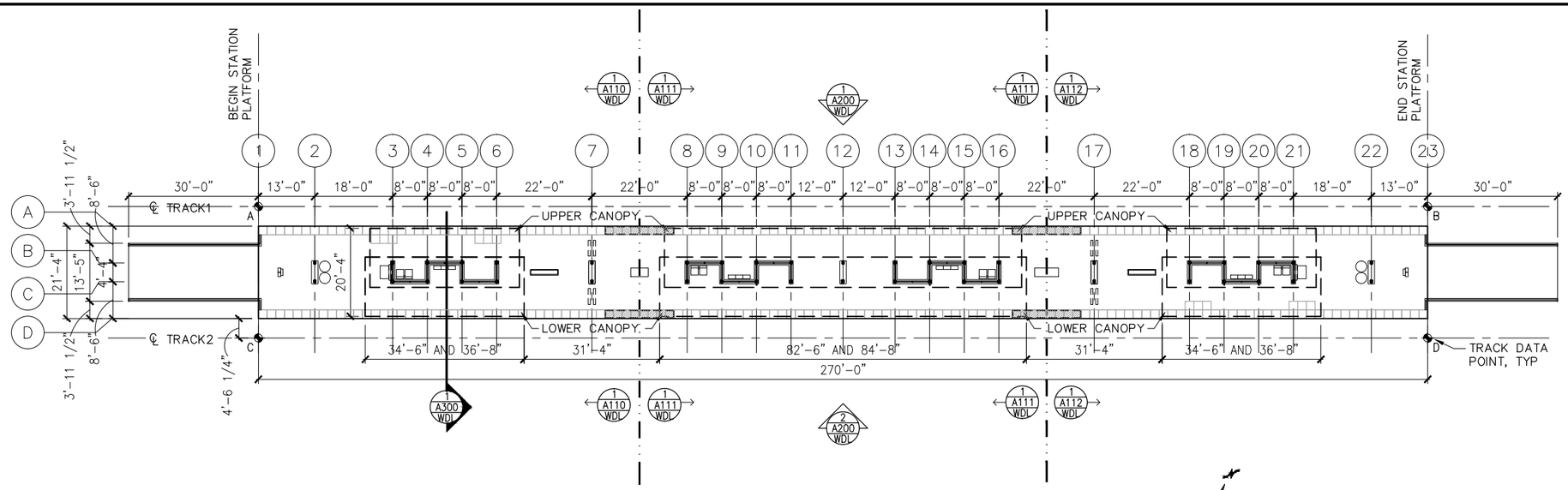
CIVIL - VOLUME 11C
WOODDALE STATION
CODE SUMMARY / FINISH SCHEDULE

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-WDL-ARC-COD-010

SHEET 202 OF 510

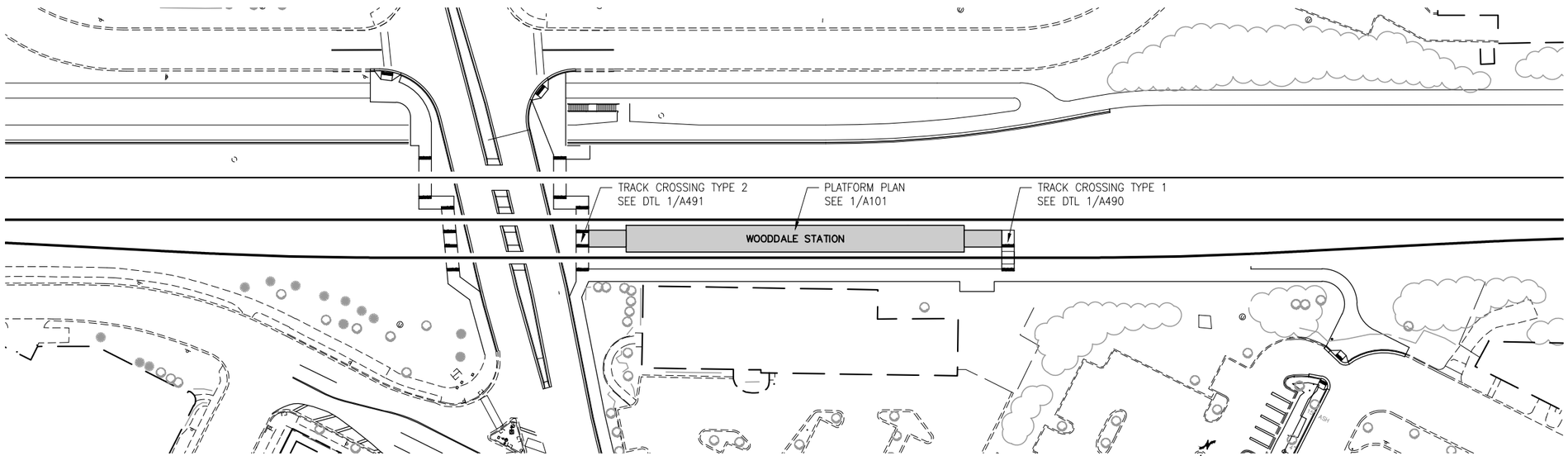
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1 PLATFORM PLAN

SCALE: 1"=30'

0 7.5 15 30
SCALE



2 STATION AREA PLAN

SCALE: 1"=100'

0 25 50 100
SCALE

TRACK DATA

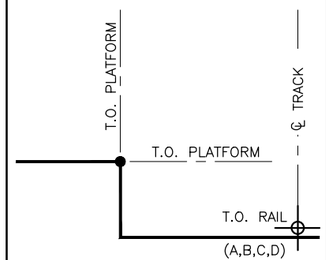
℄ ELEV 100'-0" (LOCATION ON PLAN)

TRACK 1 EL 100'-0"= 916.61 (PT 'B')

POINT	T.O. RAIL ELEVATION	TRACK 1 STATIONING	
A	917.02	1668+71.60	
B	916.61	1671+41.60	

TRACK 2 EL 100'-0"= 916.61 (PT 'D')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING	
C	917.02	2668+71.60	
D	916.61	2671+41.60	



SECTION DIAGRAM AT PLATFORM EDGE
SEE DTL 1/A520
FOR DETAIL AND DIMENSIONS

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

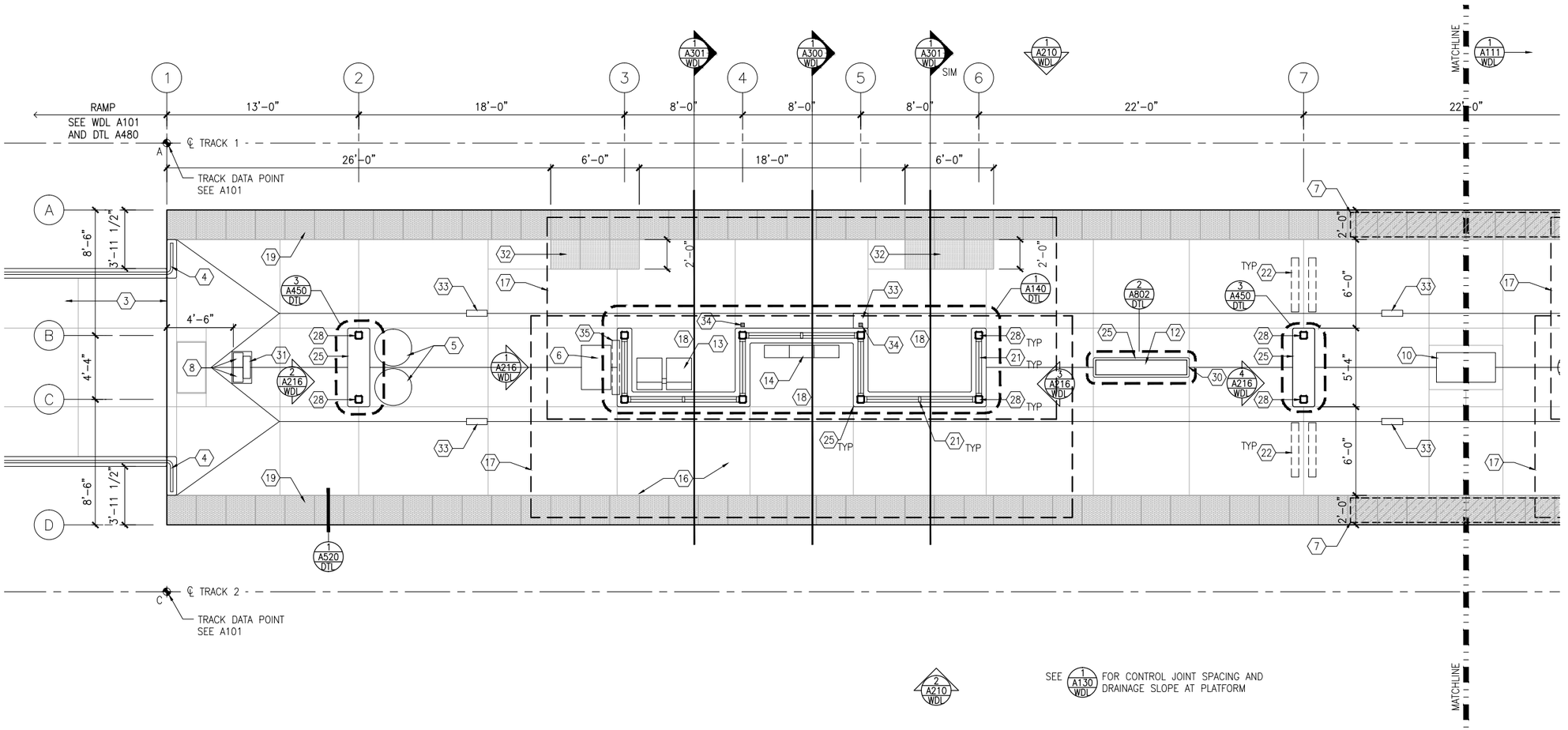
CIVIL - VOLUME 11C
WOODDALE STATION
PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-WDL-ARC-PLN-101

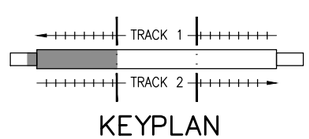
SHEET 203 OF 510

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1 WEST PARTIAL PLATFORM PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



KEYPLAN

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. ADA BETWEEN-CAR BARRIER
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE – SEE ELECTRICAL
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

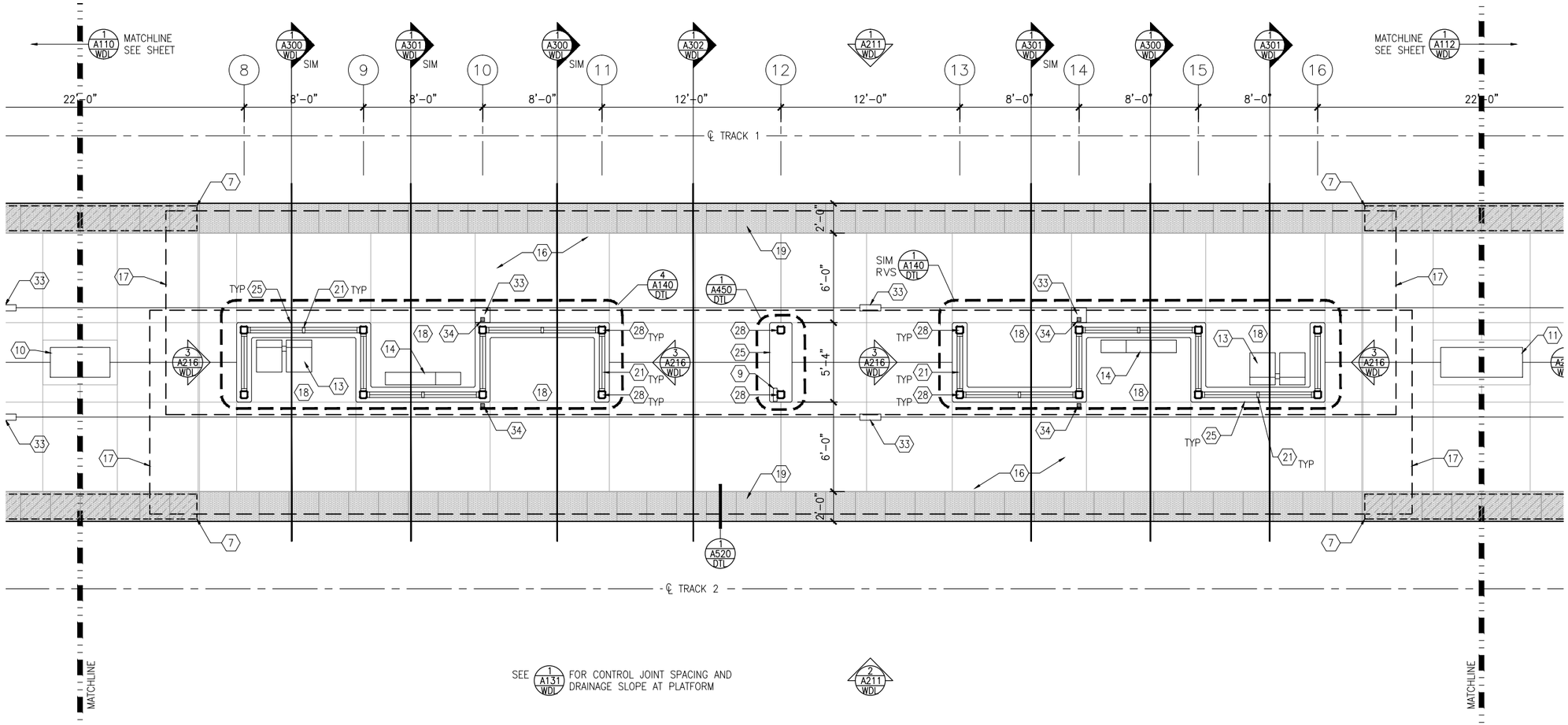
CIVIL - VOLUME 11C
WOODDALE STATION
WEST PARTIAL PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-WDL-ARC-PLN-110

SHEET 204 OF 510

Jan, 18 2016 11:02 am v:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-PLN-110.dwg By: MurphySP



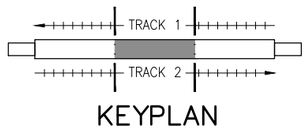
SEE 1/A131 WDL FOR CONTROL JOINT SPACING AND DRAINAGE SLOPE AT PLATFORM

2/A211 WDL

1 MIDDLE PARTIAL PLATFORM PLAN

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



KEYPLAN

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
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4. HAND RAIL
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33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

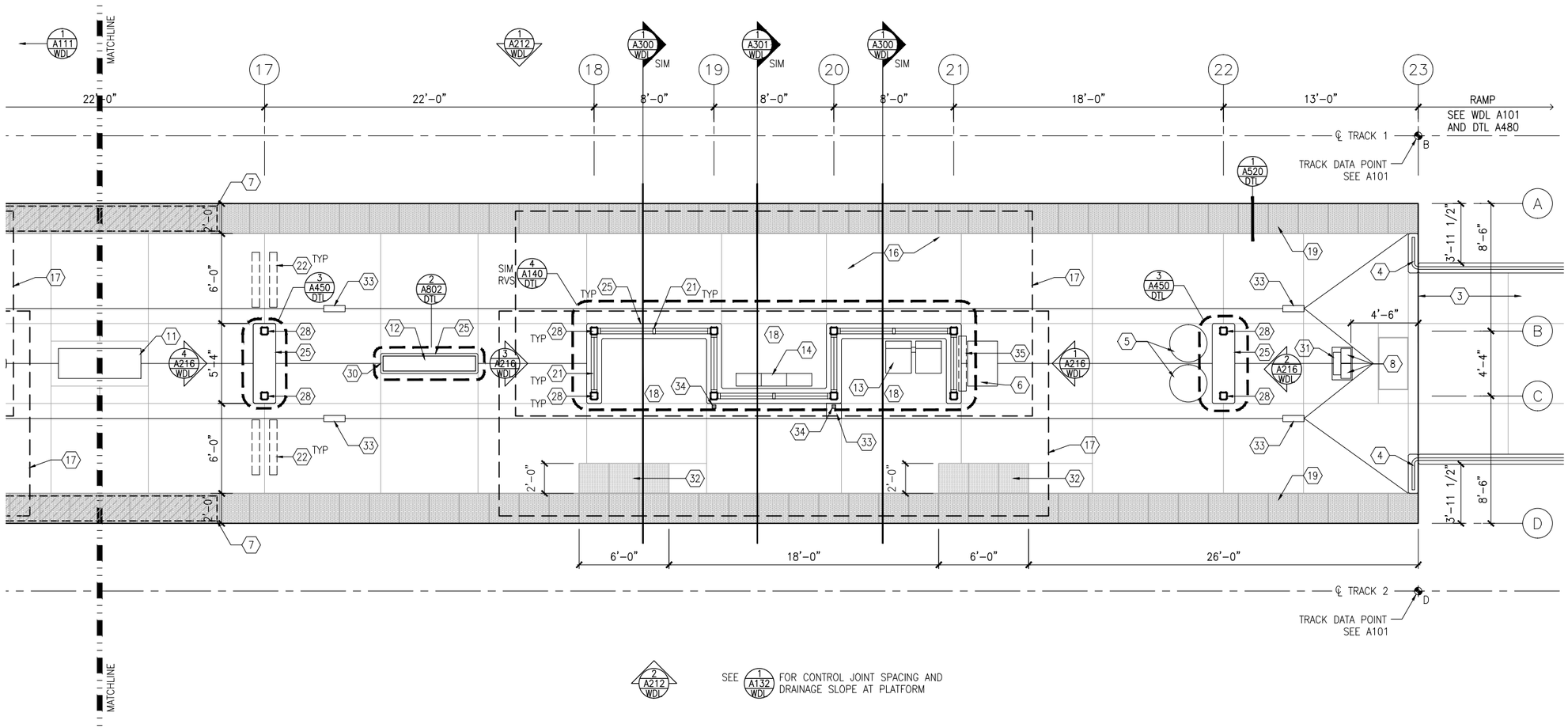
CIVIL - VOLUME 11C
WOODDALE STATION
MIDDLE PARTIAL PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-WDL-ARC-PLN-111

SHEET 205 OF 510

Jan, 18 2016 11:02 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-PLN-111.dwg By: MurphySP

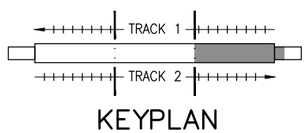


SEE (2/A212 WDL) FOR CONTROL JOINT SPACING AND DRAINAGE SLOPE AT PLATFORM

1 EAST PARTIAL PLATFORM PLAN

SCALE: 1/8"=1'–0"

0 2 4 8
SCALE



KEYPLAN

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

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34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WOODDALE STATION
EAST PARTIAL PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-WDL-ARC-PLN-112

SHEET 206 OF 510

Jan, 18 2016 11:03 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-PLN-112.dwg By: MurphySP

PAVEMENT NOTES

SLOPE TRANSITIONS ARE SHOWN FOR REFERENCE. BLEND/EASE TRANSITIONS TO DRAIN AND SO THAT NO ABRUPT CHANGE IN SLOPE IS VISIBLE ON PLATFORM SURFACE

LEGEND

- – – – – – SLOPES
- ——— CUT JOINTS

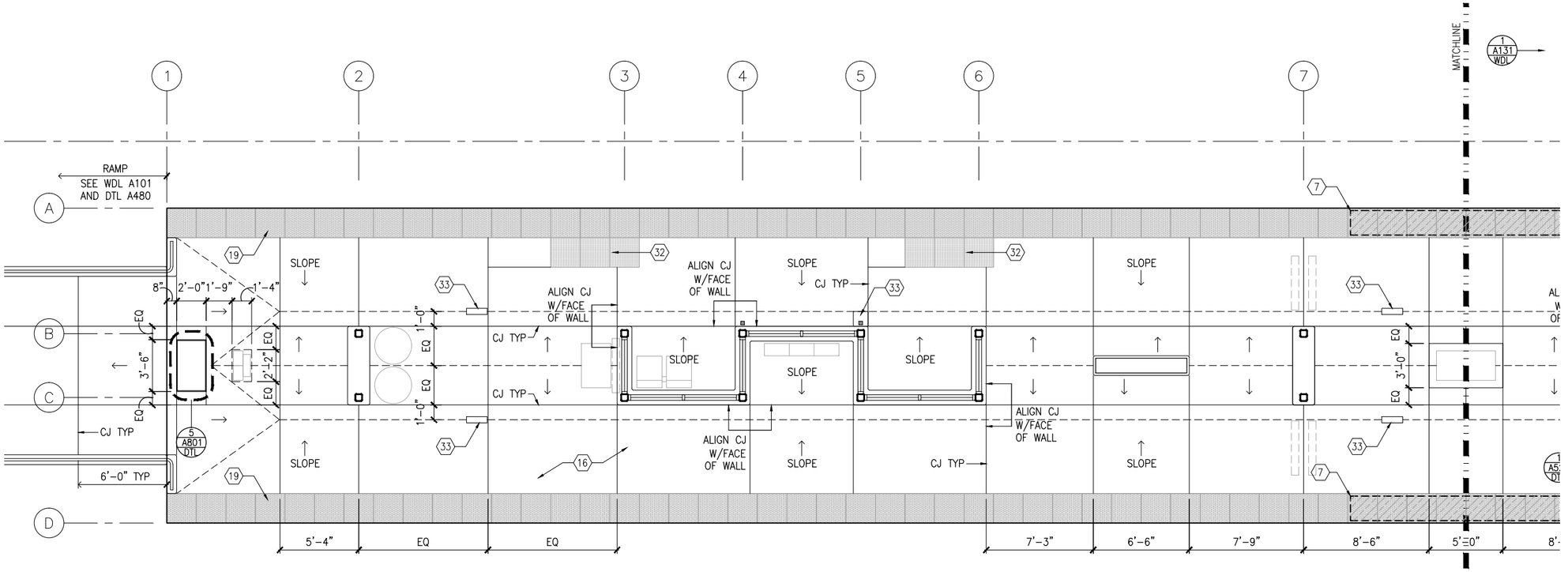
GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

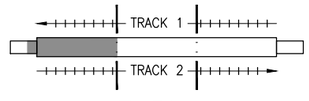
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35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL



1 WEST PARTIAL PAVEMENT PLAN
SCALE: 1/8"=1'–0"

0 2 4 8
SCALE



KEYPLAN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WOODDALE STATION
WEST PARTIAL PAVEMENT PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-WDL-ARC-PLN-130

SHEET 207 OF 510

Jan. 18 2016 11:03 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-PLN-130.dwg By: MurphySP

PAVEMENT NOTES

SLOPE TRANSITIONS ARE SHOWN FOR REFERENCE. BLEND/EASE TRANSITIONS TO DRAIN AND SO THAT NO ABRUPT CHANGE IN SLOPE IS VISIBLE ON PLATFORM SURFACE

LEGEND

- – – – – – – SLOPES
- ——————— CUT JOINTS

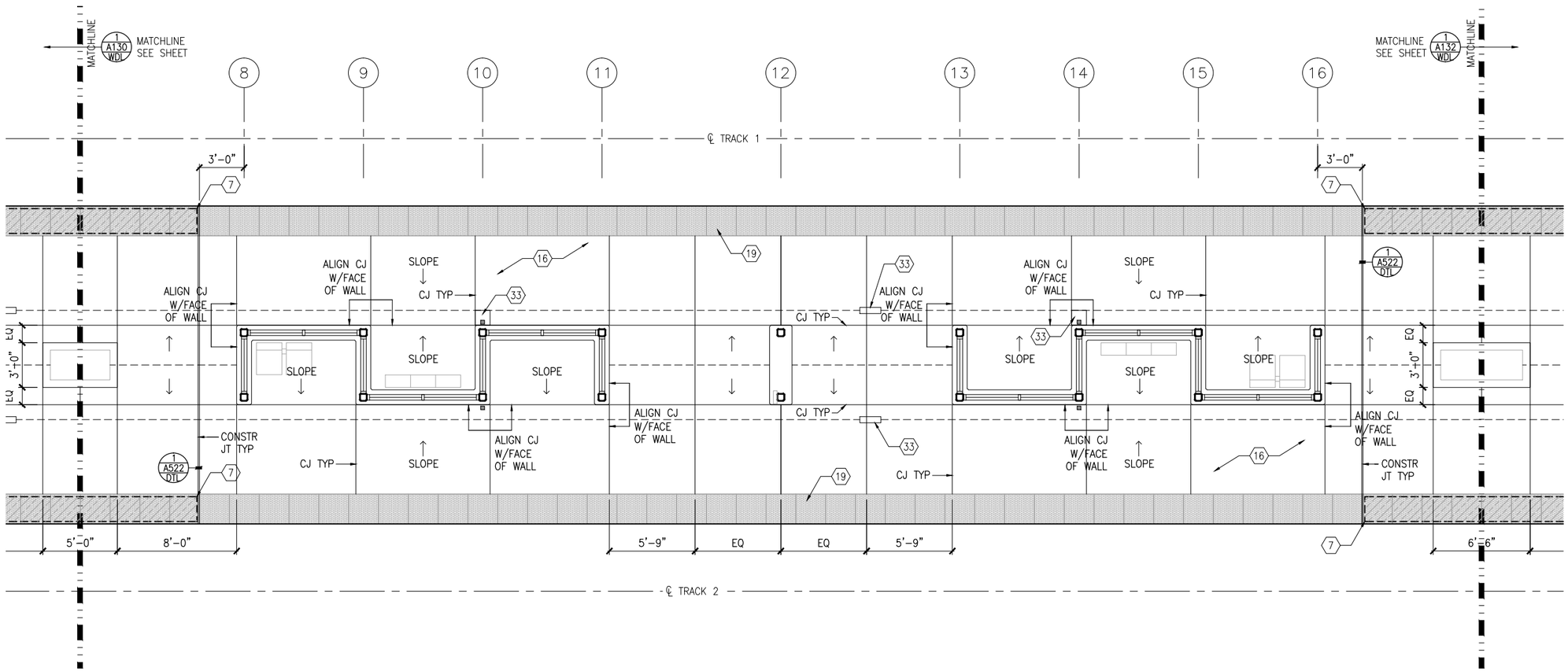
GENERAL SHEET NOTES

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3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

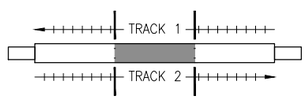
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32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL



1 MIDDLE PARTIAL PAVEMENT PLAN
SCALE: 1/8"=1'–0"

0 2 4 8
SCALE



KEYPLAN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WOODDALE STATION
MIDDLE PARTIAL PAVEMENT PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-WDL-ARC-PLN-131

SHEET 208 OF 510

Jan, 18 2016 11:04 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-PLN-131.dwg By: MurphySP

PAVEMENT NOTES

SLOPE TRANSITIONS ARE SHOWN FOR REFERENCE. BLEND/EASE TRANSITIONS TO DRAIN AND SO THAT NO ABRUPT CHANGE IN SLOPE IS VISIBLE ON PLATFORM SURFACE

LEGEND

- – – – – – SLOPES
- ——— CUT JOINTS

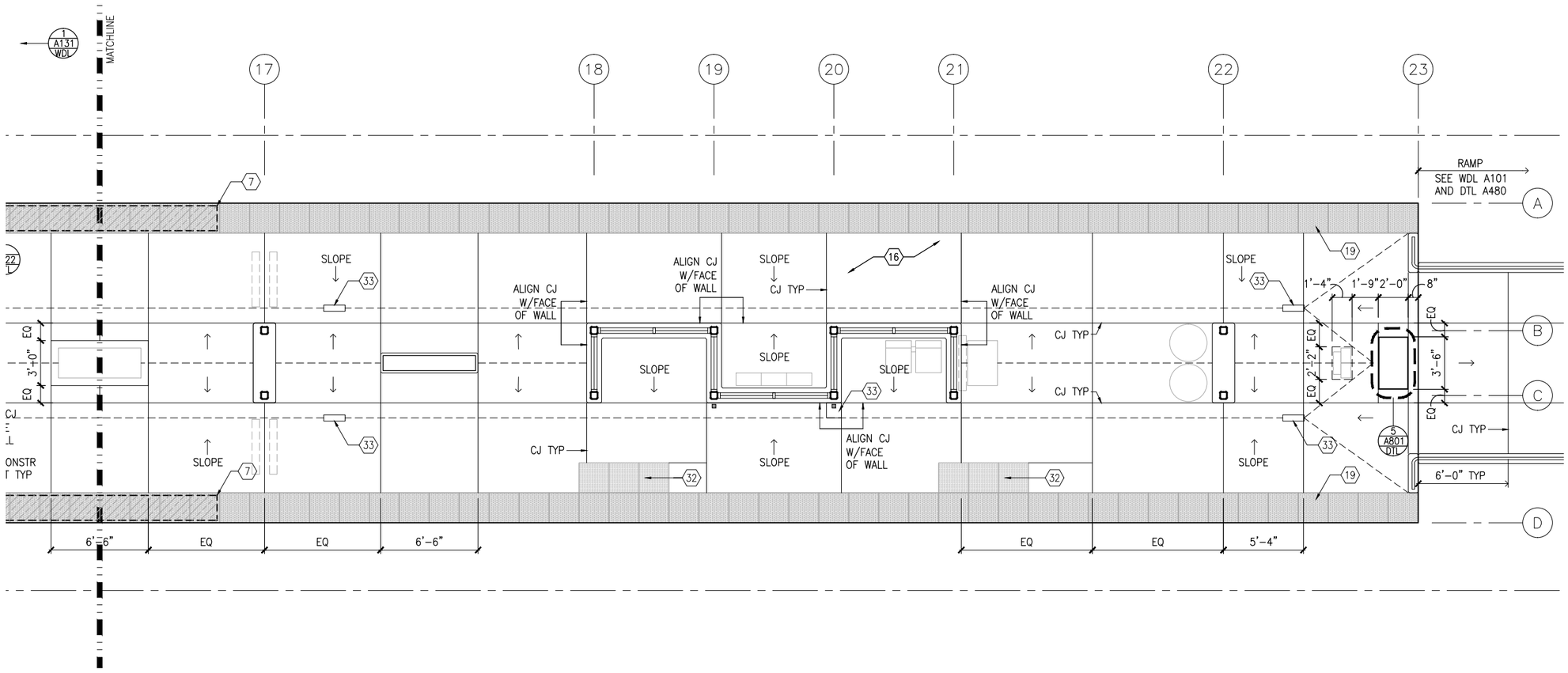
GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

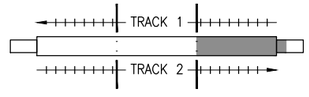
NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. ADA BETWEEN–CAR BARRIER
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE – SEE ELECTRICAL
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL



1 EAST PARTIAL PAVEMENT PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



KEYPLAN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

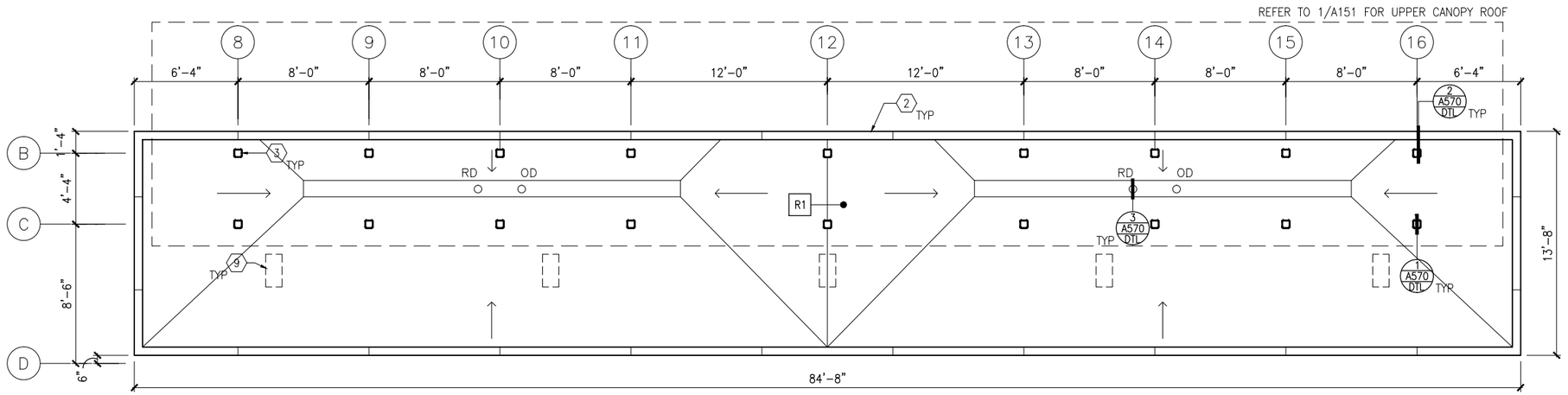
CIVIL - VOLUME 11C
WOODDALE STATION
EAST PARTIAL PAVEMENT PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-WDL-ARC-PLN-132

SHEET 209 OF 510

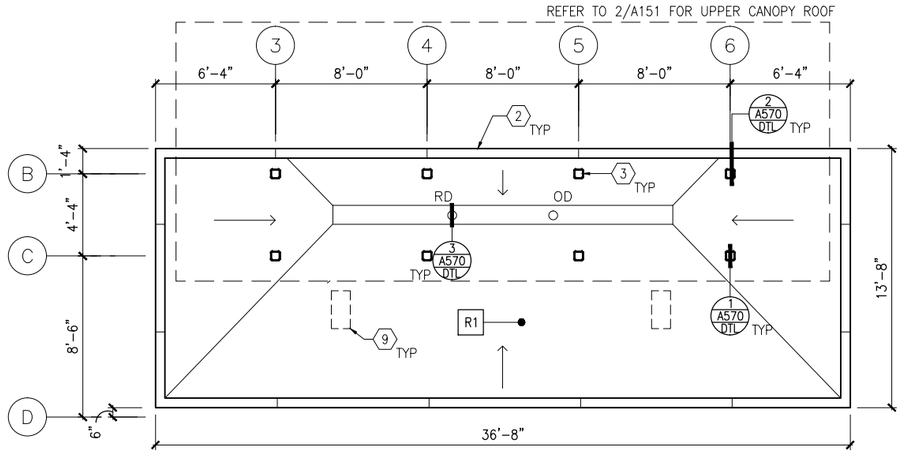
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1 ALTERNATE ROOF PLAN – MIDDLE LOWER CANOPY

SCALE: 1/8"=1'-0"

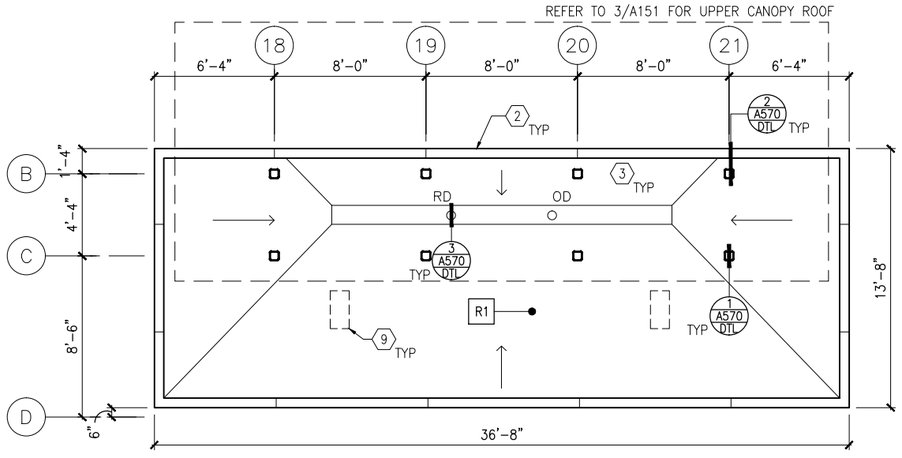
0 2 4 8
SCALE



2 ALTERNATE ROOF PLAN – WEST LOWER CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



3 ALTERNATE ROOF PLAN – EAST LOWER CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. ROOF SLOPE IS 1/4" PER FT UNO
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ALUMINUM STOREFRONT AND TRANSLUCENT GLAZING SYSTEM
2. ALUMINUM COMPOSITE PANEL COPING
3. STEEL COLUMN – SEE STRUCTURAL
4. STEEL BEAM ABOVE – SEE STRUCTURAL
5. PREFINISHED METAL SCUPPER
6. PREFINISHED METAL GUTTER, SLOPE TO DOWNSPOUTS
7. ROOF BASE FLASHING
8. SUMP
9. CONCRETE SPLASH BLOCK
10. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
11. ROOF EXPANSION JOINT
12. BUILDING EXPANSION JOINT
13. VENT THROUGH ROOF – SEE PLUMB
14. INTEGRAL ROOF GUTTER – SLOPE TO DOWNSPOUTS BELOW
15. MECHANICAL EQUIP – SEE MECH

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- STEEL COLUMN
- OVERHEAD SUPPORT
- RD OD ROOF DRAIN AND OVERFLOW ROOF DRAIN
- R1 ROOF ASSEMBLY TYPE 1 BALLASTED EPDM
- R2 ROOF ASSEMBLY TYPE 2 PRECAST PAVER OVER EPDM
- R3 ROOF ASSEMBLY TYPE 3 SAME AS TYPE 2 WITH R_ INSULATION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

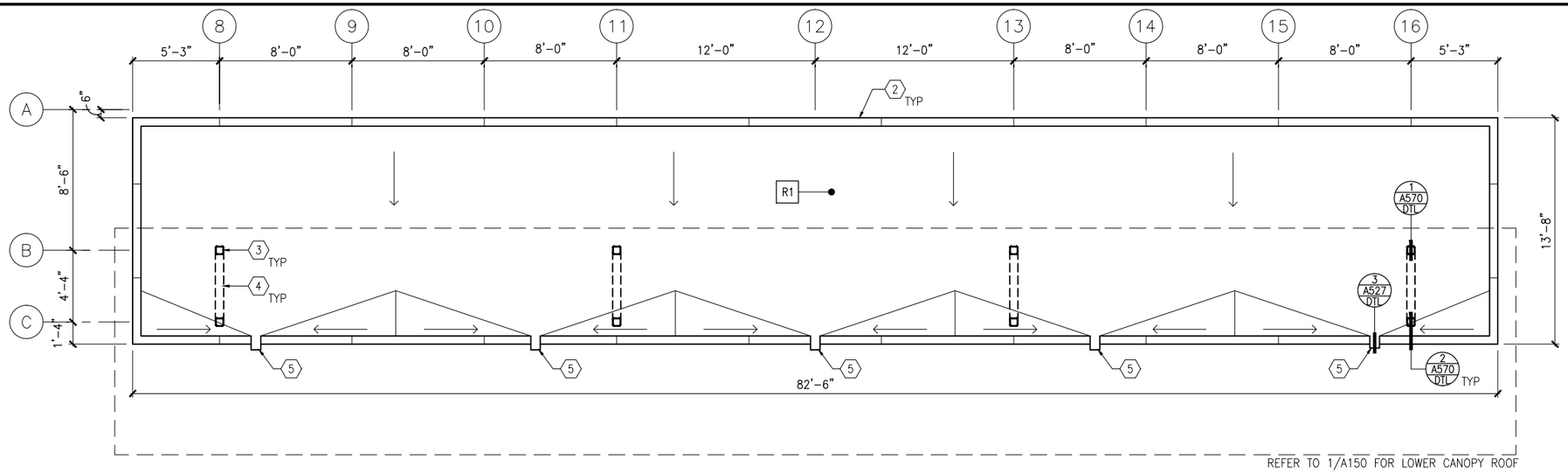
CIVIL - VOLUME 11C
WOODDALE STATION
LOWER ROOF PLANS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-WDL-ARC-PLN-150

SHEET 210 OF 510

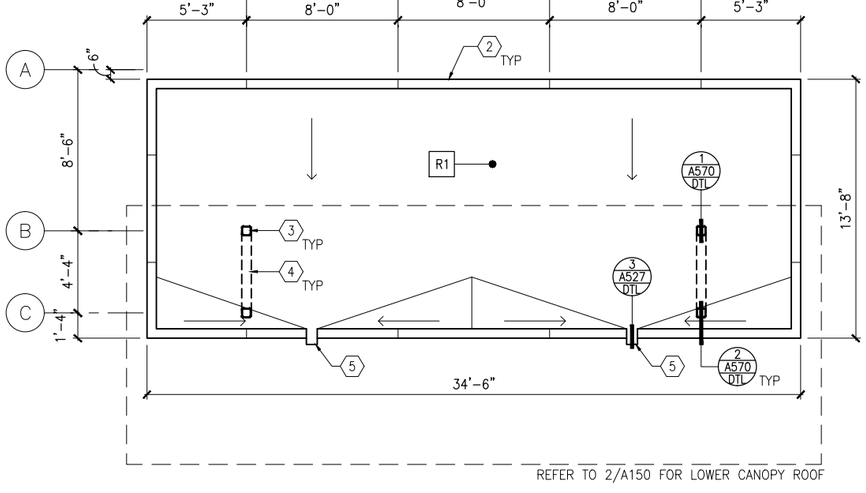
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1 ROOF PLAN – MIDDLE UPPER CANOPY

SCALE: 1/8"=1'-0"

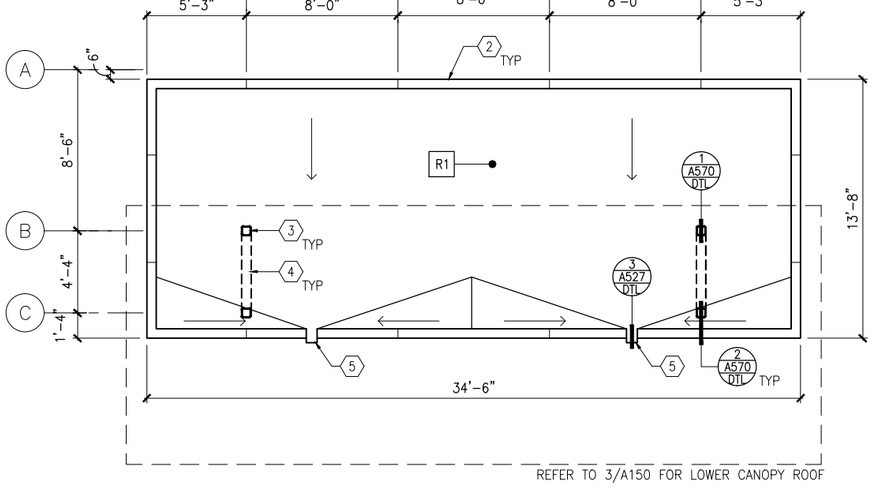
SCALE 0 2 4 8



2 ROOF PLAN – WEST UPPER CANOPY

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



3 ROOF PLAN – EAST UPPER CANOPY

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. ROOF SLOPE IS 1/4" PER FT UNO
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ALUMINUM STOREFRONT AND TRANSLUCENT GLAZING SYSTEM
2. ALUMINUM COMPOSITE PANEL COPING
3. STEEL COLUMN – SEE STRUCTURAL
4. STEEL BEAM ABOVE – SEE STRUCTURAL
5. PREFINISHED METAL SCUPPER
6. PREFINISHED METAL GUTTER, SLOPE TO DOWNSPOUTS
7. ROOF BASE FLASHING
8. SUMP
9. CONCRETE SPLASH BLOCK
10. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
11. ROOF EXPANSION JOINT
12. BUILDING EXPANSION JOINT
13. VENT THROUGH ROOF – SEE PLUMB
14. INTEGRAL ROOF GUTTER – SLOPE TO DOWNSPOUTS BELOW
15. MECHANICAL EQUIP – SEE MECH

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- STEEL COLUMN
- OVERHEAD SUPPORT
- RD OD — ROOF DRAIN AND OVERFLOW ROOF DRAIN
- R1 — ROOF ASSEMBLY TYPE 1 BALLASTED EPDM
- R2 — ROOF ASSEMBLY TYPE 2 PRECAST PAVER OVER EPDM
- R3 — ROOF ASSEMBLY TYPE 3 SAME AS TYPE 2 WITH R_ INSULATION

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SOUTHWEST Green Line LRT Extension

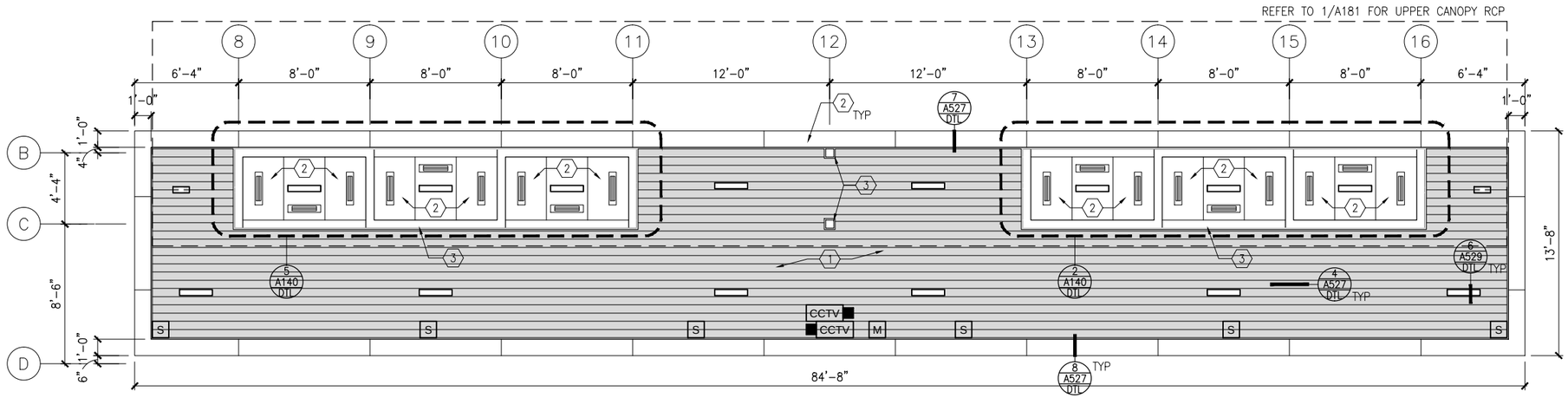
CIVIL - VOLUME 11C
WOODDALE STATION
UPPER ROOF PLANS

DISCIPLINE: ARCHITECTURE

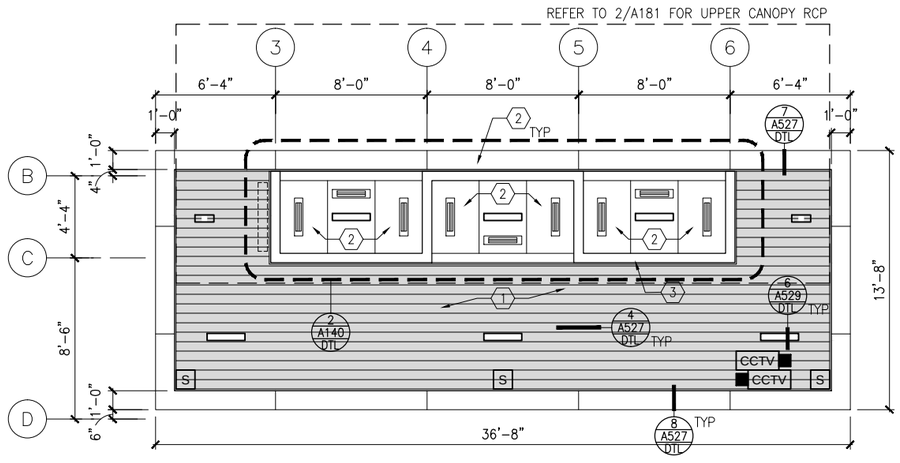
SHEET NAME: E2-WDL-ARC-PLN-151

SHEET 211 OF 510

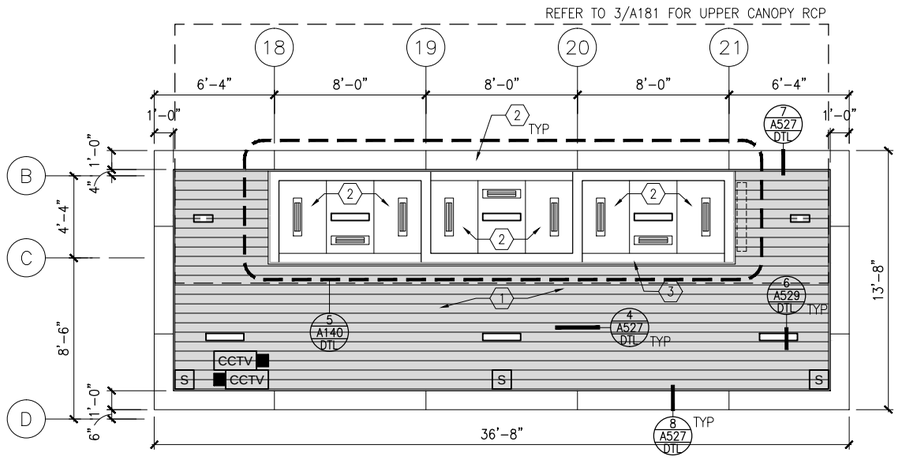
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1 REFLECTED CEILING PLAN – MIDDLE LOWER CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE



2 REFLECTED CEILING PLAN – WEST LOWER CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE



3 REFLECTED CEILING PLAN – EAST LOWER CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. EXTERIOR LINEAR METAL CEILING SOFFIT IN SHADED AREA
2. ALUMINUM COMPOSITE PANEL SOFFIT
3. PROVIDE MATCHING CEILING TRIM AROUND STEEL COLUMN AND/OR SHELTERS
4. PC CONC WALKWAY – SEE STRUCT
5. PC CONC STAIR – SEE STRUCT
6. EXPOSED STRUCTURE – SEE STRUCTURAL
7. ACOUSTIC CEILING
8. ACCESS PANELS FOR EQUIPMENT ACCESS
9. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- S SPEAKER
- M MICROPHONE
- C SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN
- LAY-IN ACOUSTIC CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING
- LED LINEAR LIGHT FIXTURE

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SOUTHWEST Green Line LRT Extension

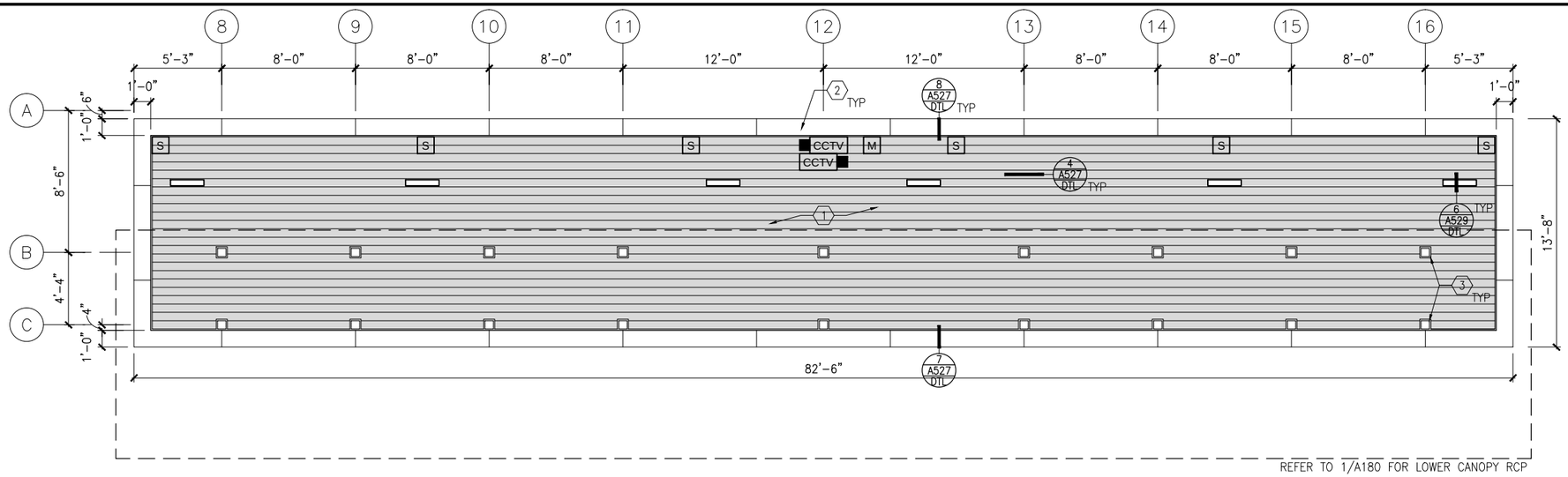
CIVIL - VOLUME 11C
WOODDALE STATION
REFLECTED CEILING PLANS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-WDL-ARC-RCP-180

SHEET 212 OF 510

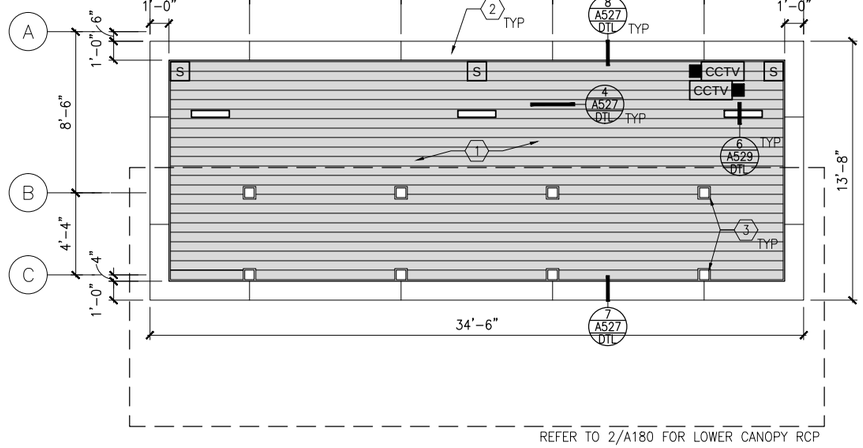
Jan. 18 2016 11:06 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-RCP-180.dwg By: MurphySP



1 REFLECTED CEILING PLAN – MIDDLE UPPER CANOPY

SCALE: 1/8"=1'-0"

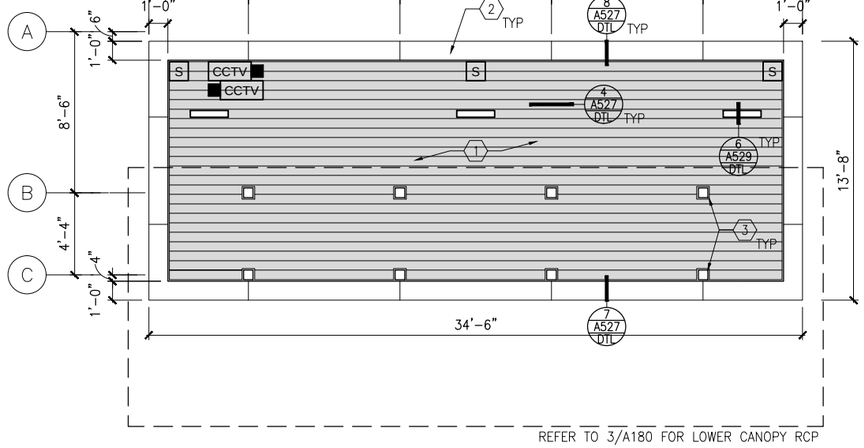
0 2 4 8
SCALE



2 REFLECTED CEILING PLAN – WEST UPPER CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



3 REFLECTED CEILING PLAN – EAST UPPER CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. EXTERIOR LINEAR METAL CEILING SOFFIT IN SHADED AREA
2. ALUMINUM COMPOSITE PANEL SOFFIT
3. PROVIDE MATCHING CEILING TRIM AROUND STEEL COLUMN AND/OR SHELTERS
4. PC CONC WALKWAY – SEE STRUCT
5. PC CONC STAIR – SEE STRUCT
6. EXPOSED STRUCTURE – SEE STRUCTURAL
7. ACOUSTIC CEILING
8. ACCESS PANELS FOR EQUIPMENT ACCESS
9. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- S SPEAKER
- M MICROPHONE
- C SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN
- LAY-IN ACOUSTIC CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING
- LED LINEAR LIGHT FIXTURE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

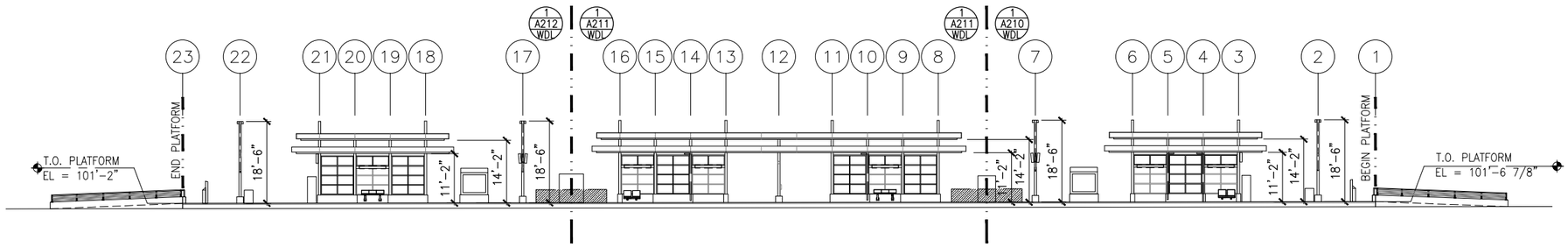
CIVIL - VOLUME 11C
WOODDALE STATION
REFLECTED CEILING PLANS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-WDL-ARC-RCP-181

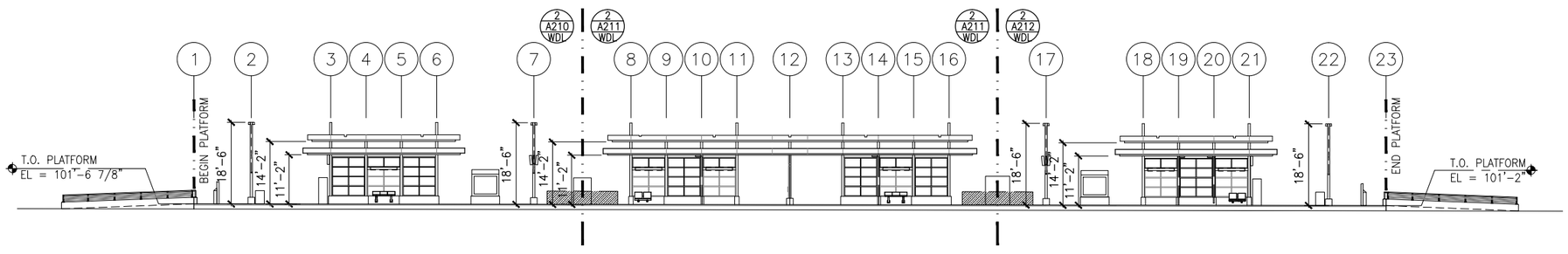
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1 TRACK 1 ELEVATION

SCALE: 1"=30' 0 7.5 15 30 SCALE (-0.15% SLOPE)*



2 TRACK 2 ELEVATION

SCALE: 1"=30' 0 7.5 15 30 SCALE (-0.15% SLOPE)*

*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

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SOUTHWEST Green Line LRT Extension

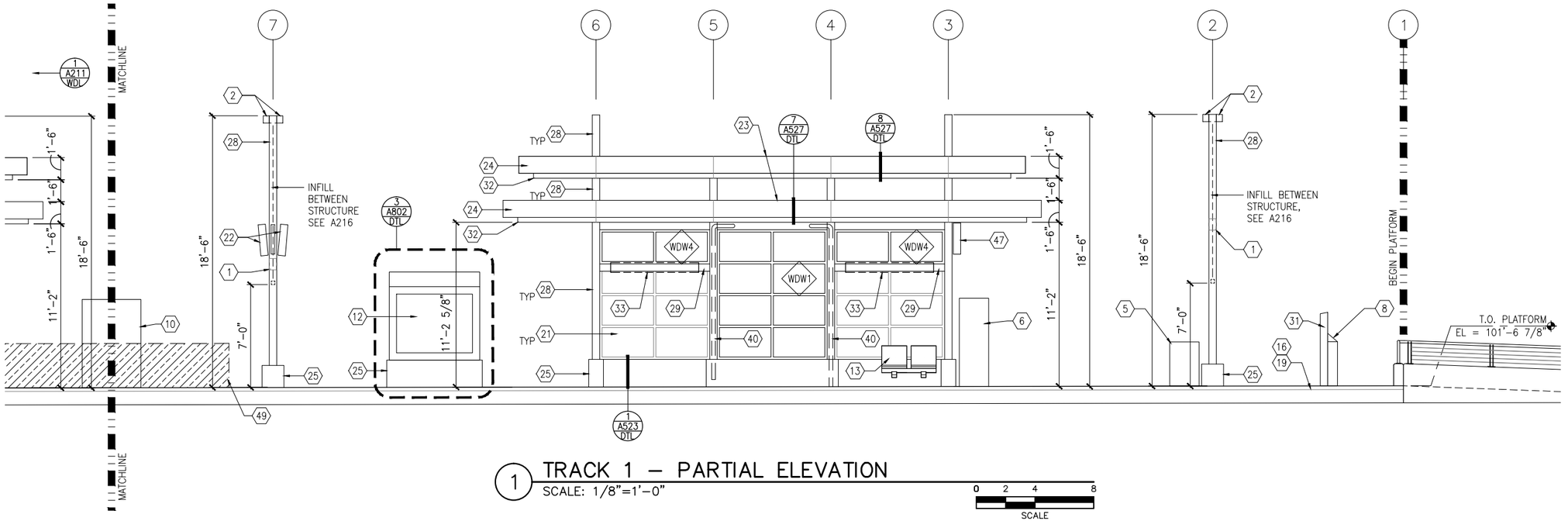
CIVIL - VOLUME 11C
WOODDALE STATION
ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-WDL-ARC-ELV-200

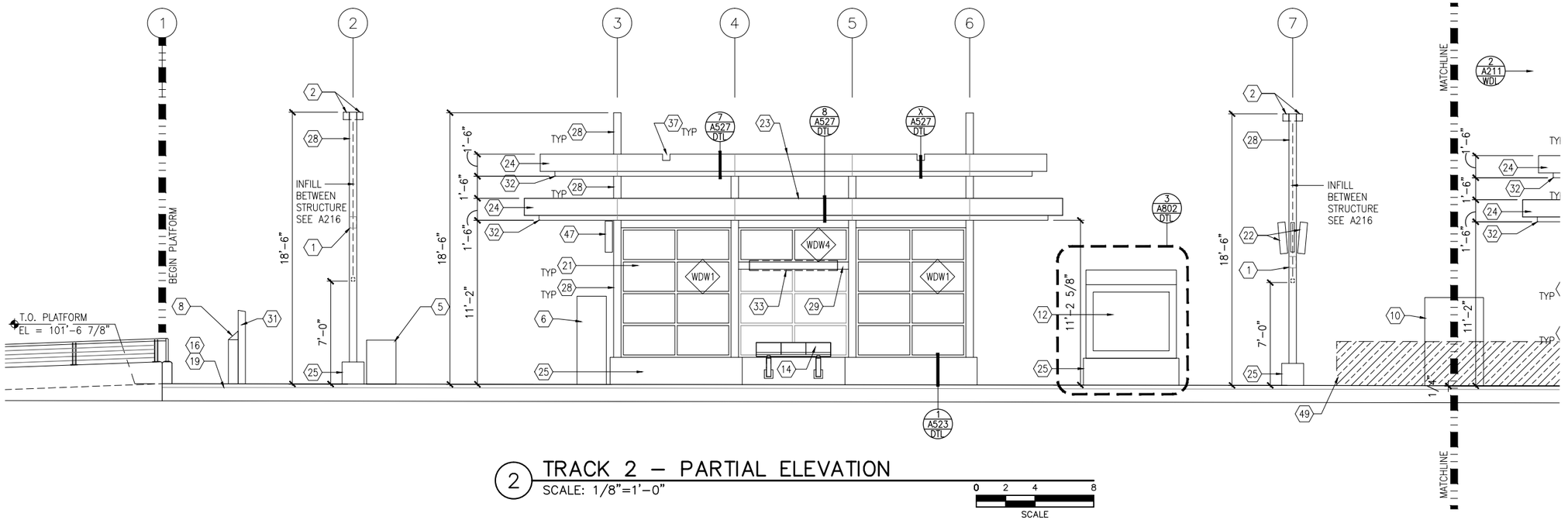
SHEET 214 OF 510

Jan, 18 2016 11:07 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-ELV-200.DWG By: MurphySP



1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. LIGHTNING ROD – SEE ELECTRICAL
35. PC CONC WALL PANEL
36. CAST IRON DOWNSPOUT – PAINT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
41. DOWNSPOUT NOZZLE – SEE PLUMBING
42. SECONDARY STEEL FRAMING – SEE STRUCTURAL
43. DOOR – SEE DOOR SCHEDULE
44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

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SOUTHWEST Green Line LRT Extension

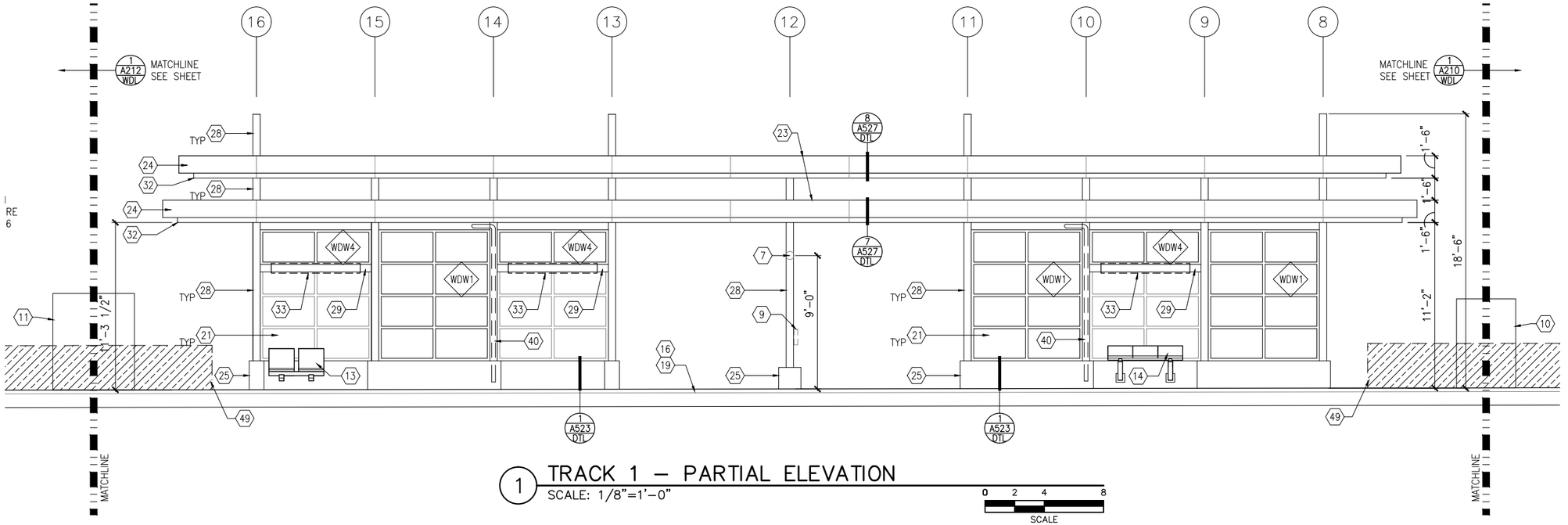
CIVIL - VOLUME 11C
WOODDALE STATION
WEST PARTIAL ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-WDL-ARC-ELV-210

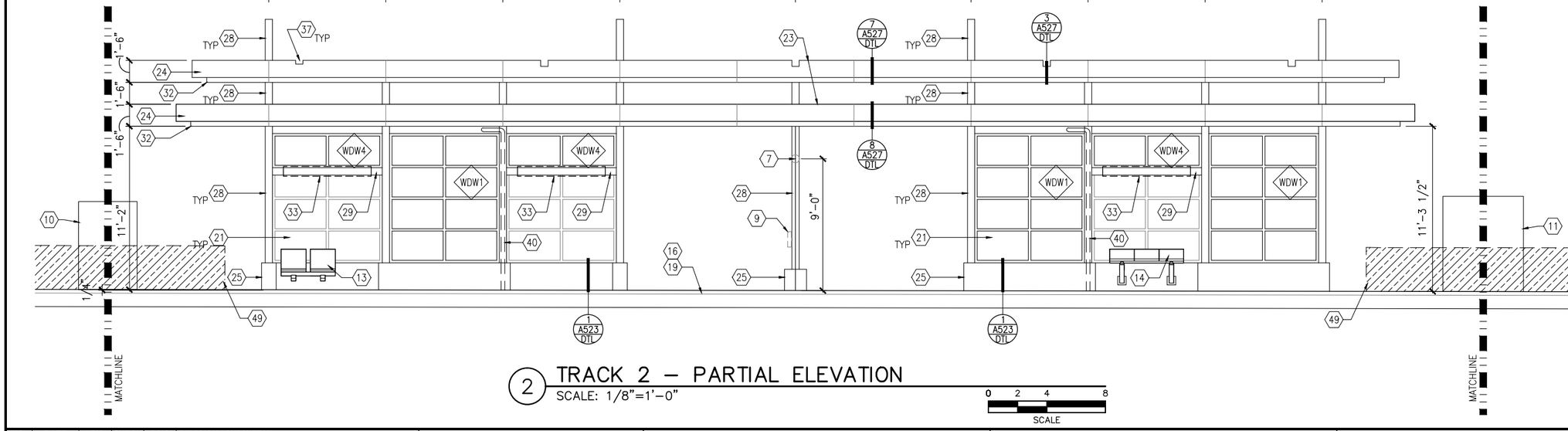
SHEET 215 OF 510

Jan, 18 2016 11:07 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-ELV-210.dwg By: MurphySP



1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. LIGHTNING ROD – SEE ELECTRICAL
35. PC CONC WALL PANEL
36. CAST IRON DOWNSPOUT – PAINT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
41. DOWNSPOUT NOZZLE – SEE PLUMBING
42. SECONDARY STEEL FRAMING – SEE STRUCTURAL
43. DOOR – SEE DOOR SCHEDULE
44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

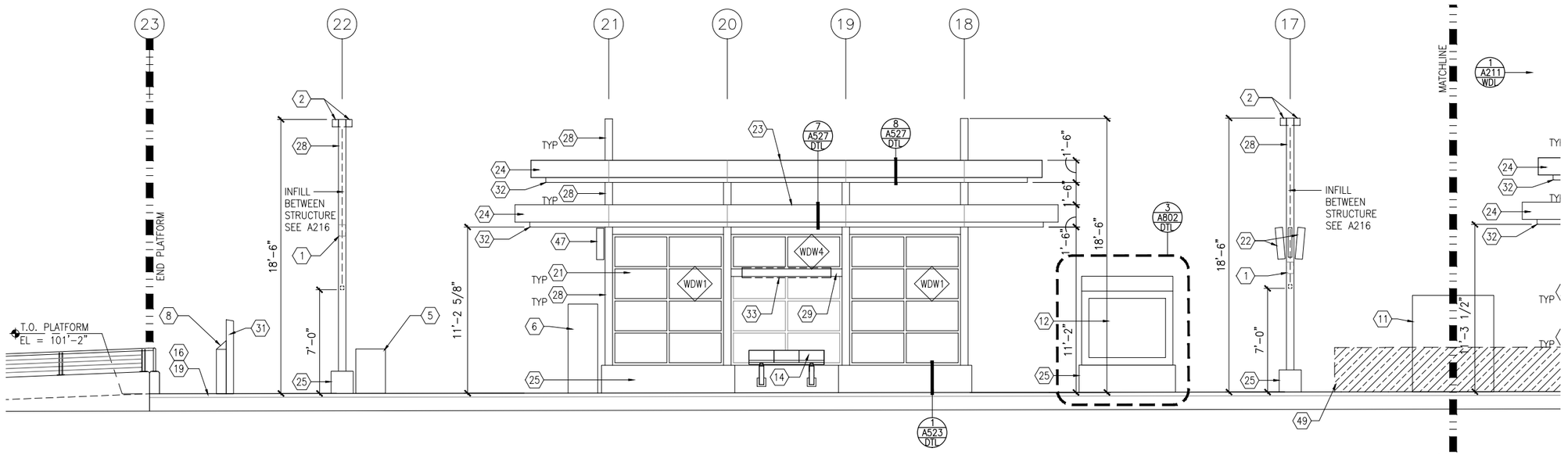
CIVIL - VOLUME 11C
WOODDALE STATION
MIDDLE PARTIAL ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-WDL-ARC-ELV-211

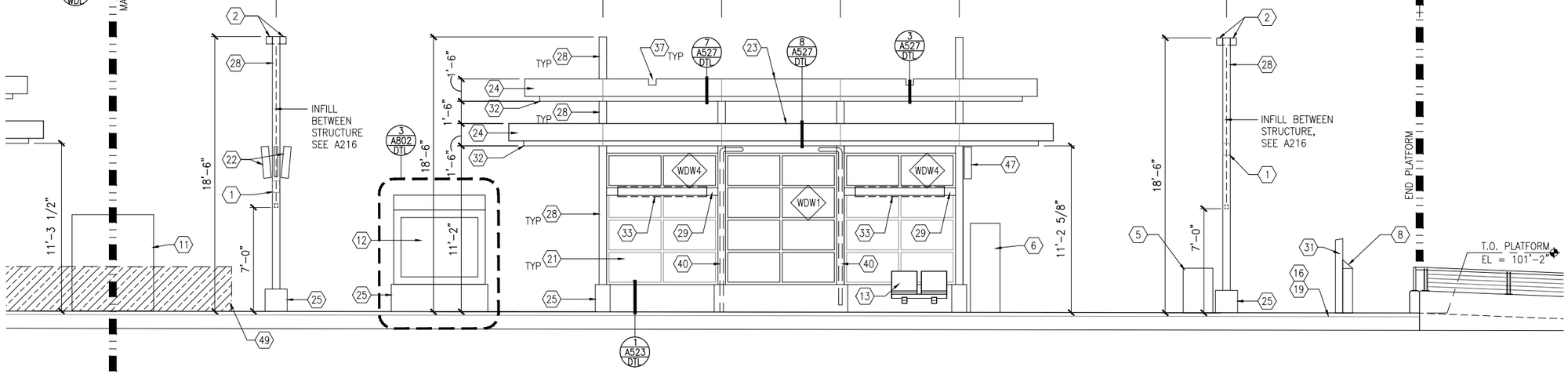
SHEET 216 OF 510

Jan, 18 2016 11:08 am v:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-ELV-211.dwg By: MurphySP



1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. LIGHTNING ROD – SEE ELECTRICAL
35. PC CONC WALL PANEL
36. CAST IRON DOWNSPOUT – PAINT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
41. DOWNSPOUT NOZZLE – SEE PLUMBING
42. SECONDARY STEEL FRAMING – SEE STRUCTURAL
43. DOOR – SEE DOOR SCHEDULE
44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

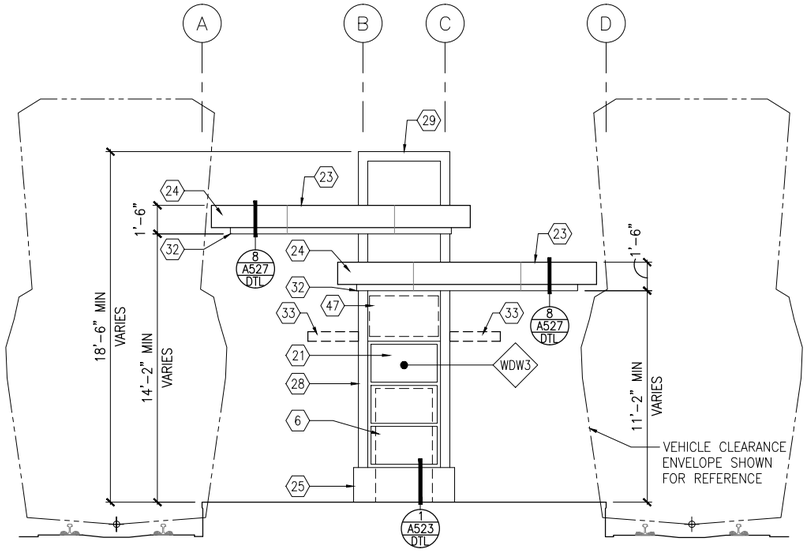
CIVIL - VOLUME 11C
WOODDALE STATION
EAST PARTIAL ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-WDL-ARC-ELV-212

SHEET 217 OF 510

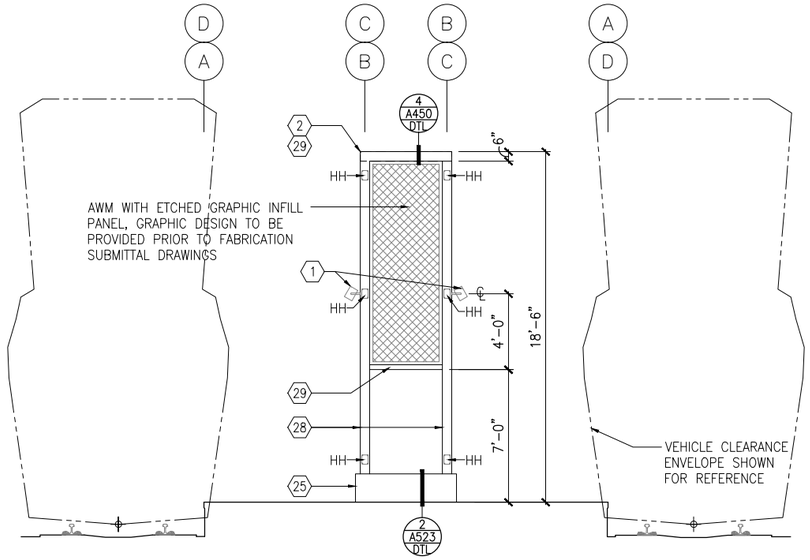
Jan, 18 2016 11:09 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-ELV-212.dwg By: MurphySP



1 SIDE ELEVATION

SCALE: 1/8"=1'-0"

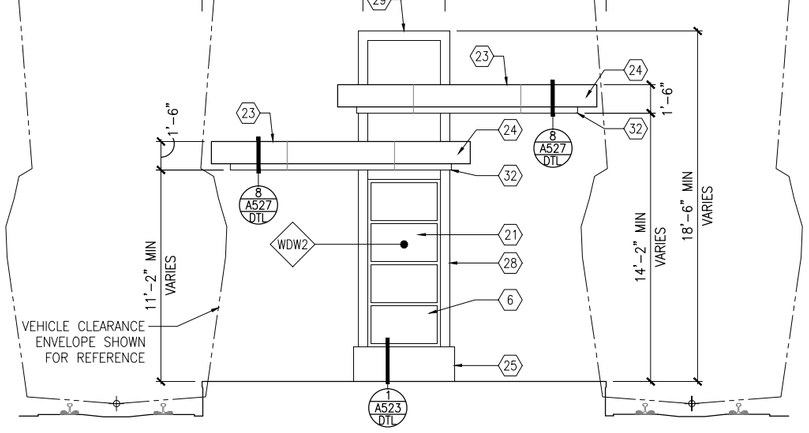
0 2 4 8
SCALE



2 SIDE ELEVATION

SCALE: 1/8"=1'-0"

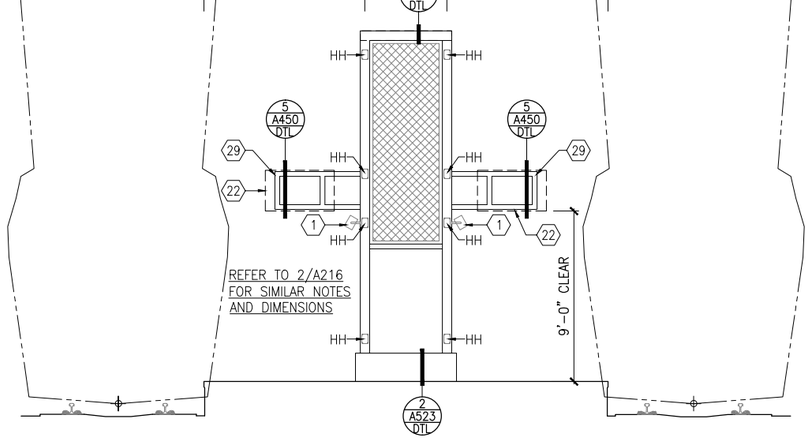
0 2 4 8
SCALE



3 SIDE ELEVATION

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



4 SIDE ELEVATION

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. LIGHTNING ROD – SEE ELECTRICAL
35. PC CONC WALL PANEL
36. CAST IRON DOWNSPOUT – PAINT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
41. DOWNSPOUT NOZZLE – SEE PLUMBING
42. SECONDARY STEEL FRAMING – SEE STRUCTURAL
43. DOOR – SEE DOOR SCHEDULE
44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

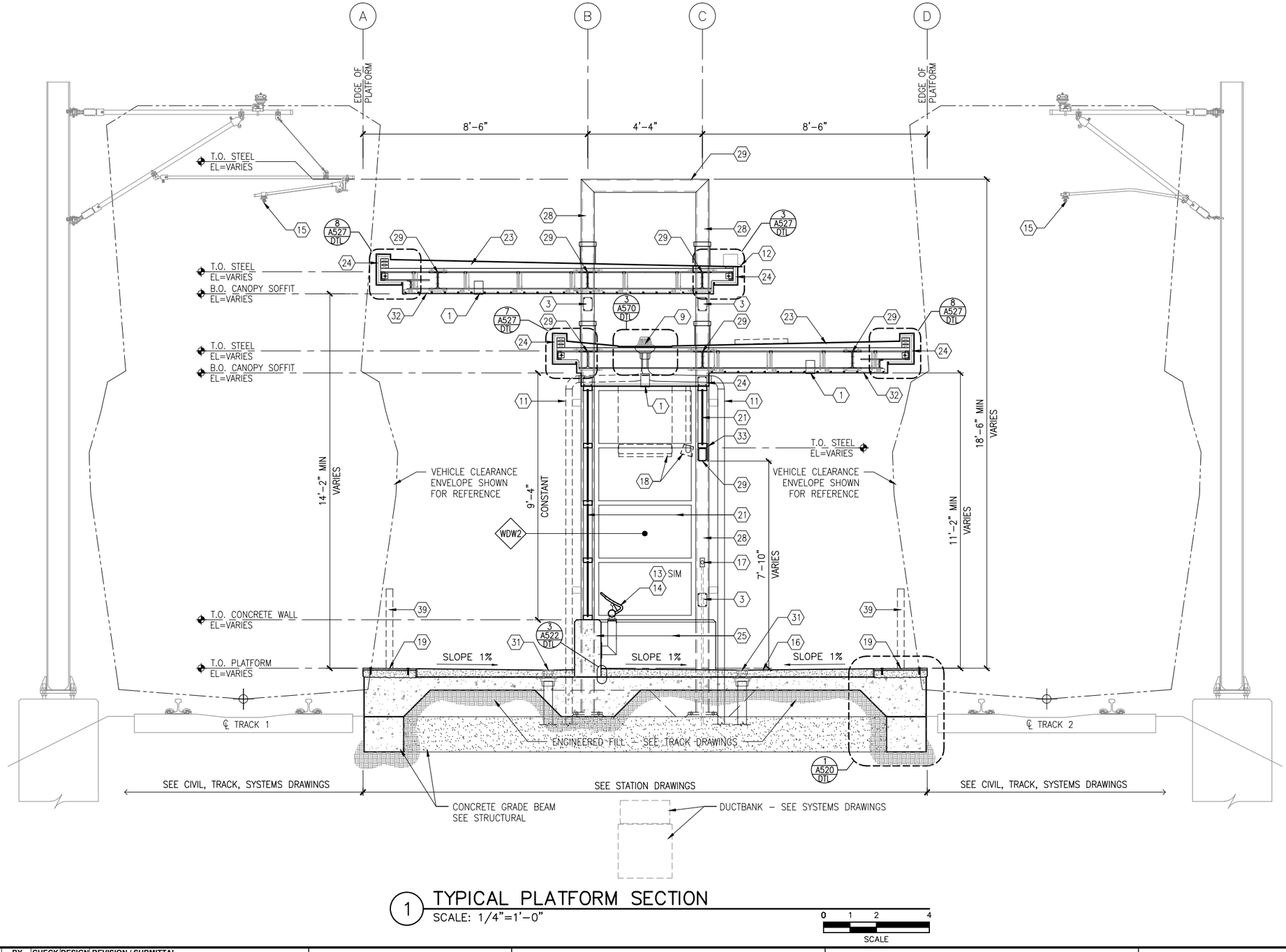
CIVIL - VOLUME 11C
WOODDALE STATION
SIDE ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-WDL-ARC-ELV-216

SHEET 218 OF 510

Jan, 18 2016 11:09 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-ELV-216.dwg By: MurphySP



1 TYPICAL PLATFORM SECTION

SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA – SEE ELEC
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. EMERGENCY TELEPHONE – SEE ELEC
9. ROOF DRAIN – SEE PLUMBING
10. PRE-FINISHED METAL GUTTER
11. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYSTEMS (NIC)
16. CONCRETE PLATFORM
17. HEATER CONTROL – SEE ELEC
18. INFRARED HEATER – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. AREA DRAIN – SEE PLUMBING
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. PC CONC WALKWAY – SEE STRUCT
35. PC CONC STAIR – SEE STRUCT
36. PC CONC WALL PANEL
37. SECONDARY STEEL FRAMING – SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R– ROOF TYPE – SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

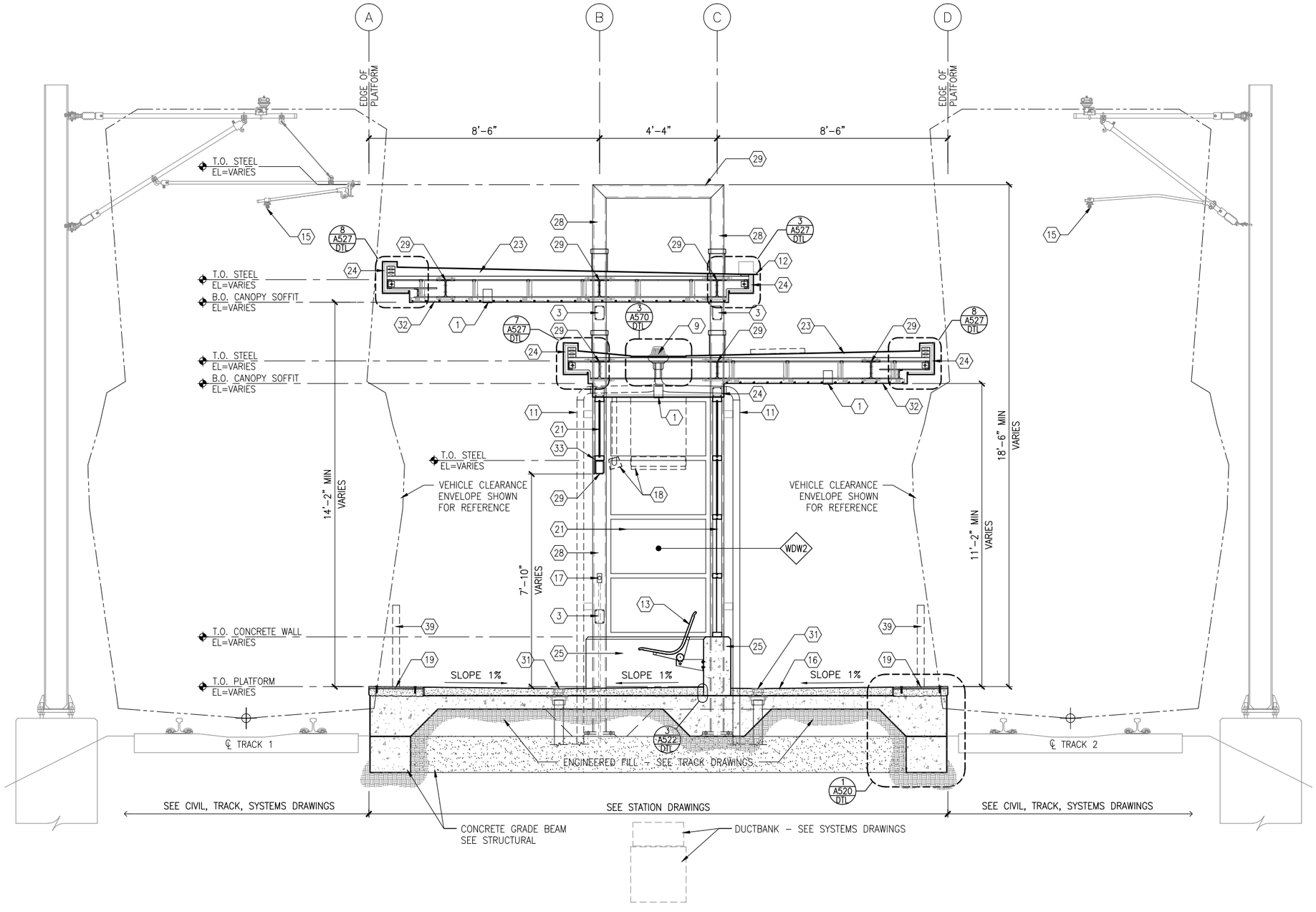
CIVIL - VOLUME 11C
WOODDALE STATION
TYPICAL PLATFORM SECTION

SHEET 219 OF 510

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-WDL-ARC-SCT-300

Jan. 18 2016 11:10 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-SCT-300.dwg By: MurphySP



1 PLATFORM SECTION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA – SEE ELEC
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. EMERGENCY TELEPHONE – SEE ELEC
9. ROOF DRAIN – SEE PLUMBING
10. PRE-FINISHED METAL GUTTER
11. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYSTEMS (NIC)
16. CONCRETE PLATFORM
17. HEATER CONTROL – SEE ELEC
18. INFRARED HEATER – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. AREA DRAIN – SEE PLUMBING
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. PC CONC WALKWAY – SEE STRUCT
35. PC CONC STAIR – SEE STRUCT
36. PC CONC WALL PANEL
37. SECONDARY STEEL FRAMING – SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R– ROOF TYPE – SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

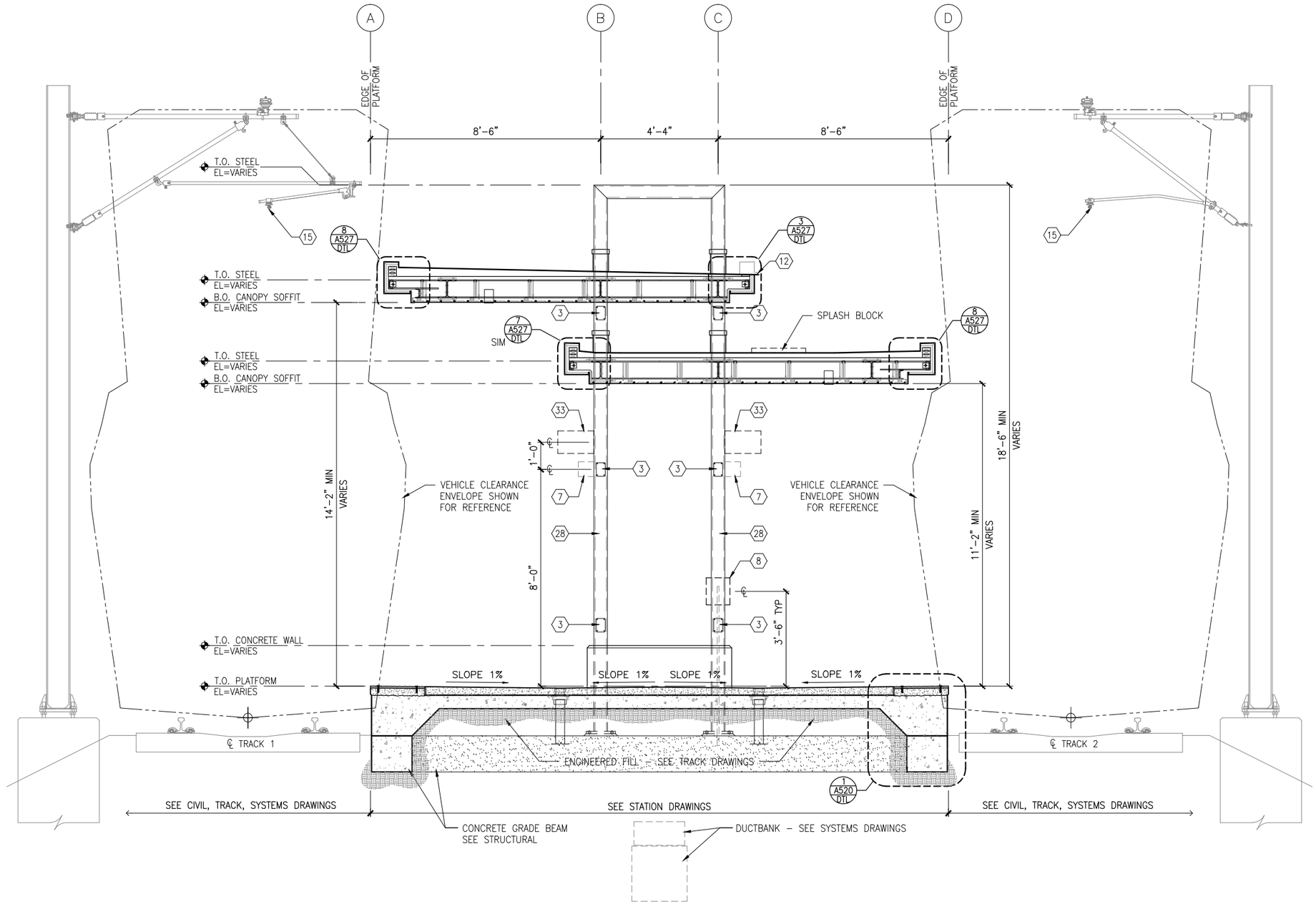
CIVIL - VOLUME 11C
WOODDALE STATION
PLATFORM SECTION

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-WDL-ARC-SCT-301

SHEET 220 OF 510

Jan, 18 2016 11:11 am v:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-SCT-301.dwg By: MurphySP



1 PLATFORM SECTION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS
4. SEE A300 & A301 FOR SIM NOTES, DIMS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA – SEE ELEC
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. EMERGENCY TELEPHONE – SEE ELEC
9. ROOF DRAIN – SEE PLUMBING
10. PRE-FINISHED METAL GUTTER
11. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYSTEMS (NIC)
16. CONCRETE PLATFORM
17. HEATER CONTROL – SEE ELEC
18. INFRARED HEATER – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. AREA DRAIN – SEE PLUMBING
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. PC CONC WALKWAY – SEE STRUCT
35. PC CONC STAIR – SEE STRUCT
36. PC CONC WALL PANEL
37. SECONDARY STEEL FRAMING – SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R- ROOF TYPE – SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

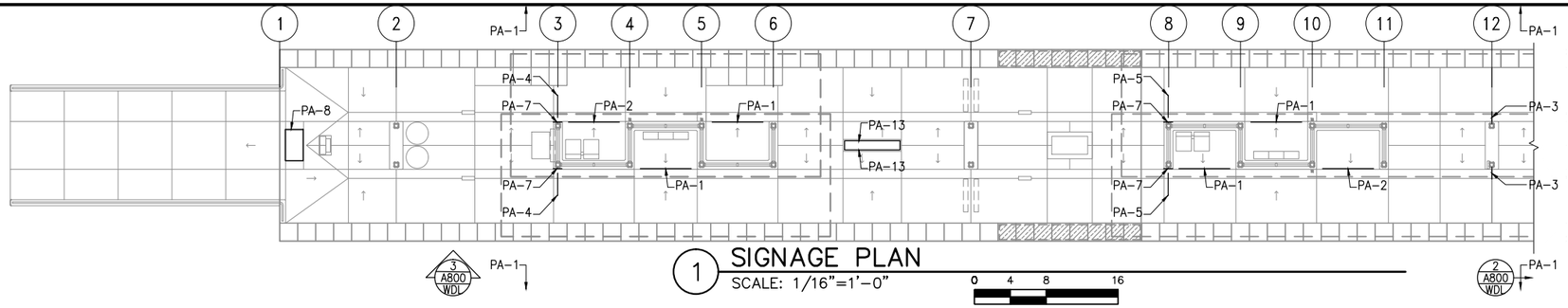
CIVIL - VOLUME 11C
WOODDALE STATION
PLATFORM SECTION

SHEET 221 OF 510

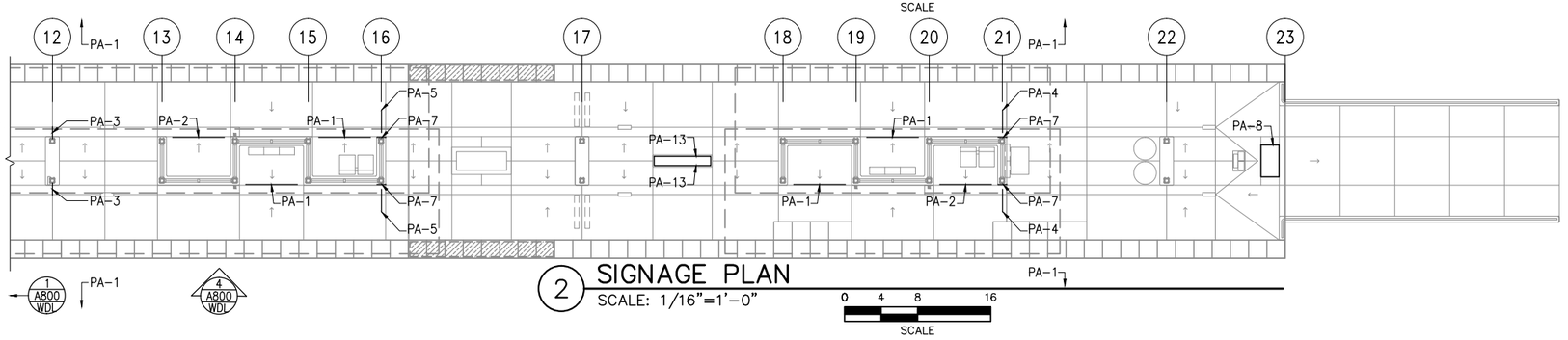
DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-WDL-ARC-SCT-302

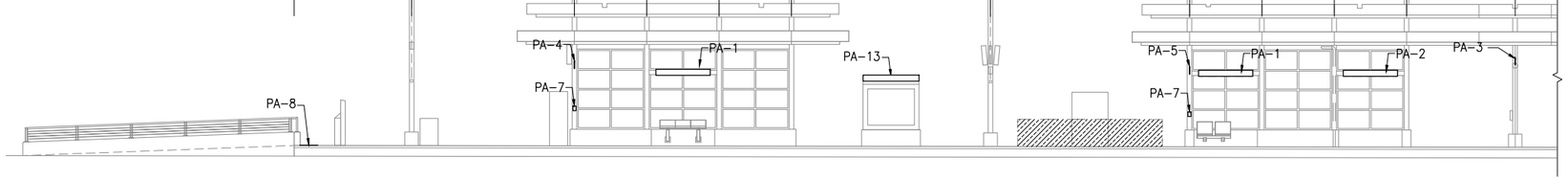
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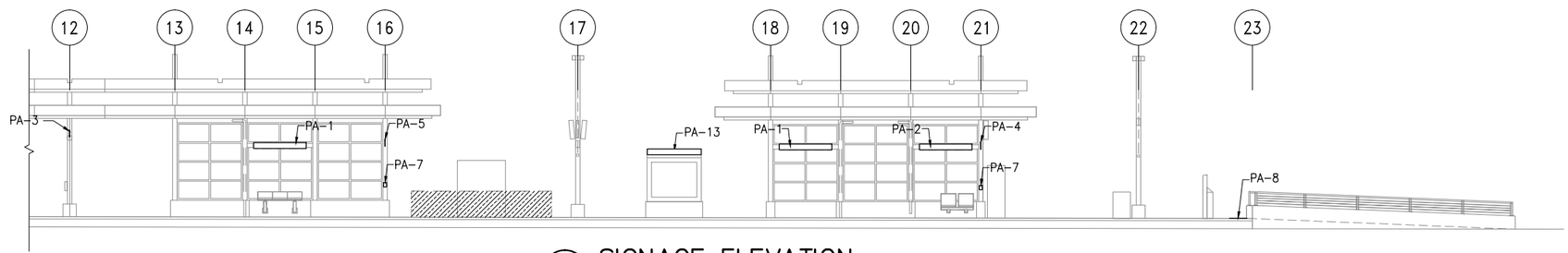
1 SIGNAGE PLAN
SCALE: 1/16"=1'-0"
0 4 8 16
SCALE



2 SIGNAGE PLAN
SCALE: 1/16"=1'-0"
0 4 8 16
SCALE



3 SIGNAGE ELEVATION
SCALE: 1/16"=1'-0"
0 4 8 16
SCALE



4 SIGNAGE ELEVATION
SCALE: 1/16"=1'-0"
0 4 8 16
SCALE

GENERAL SHEET NOTES

1. ALL SIGNAGE MOUNTING HEIGHTS ARE FROM CENTER LINE AT BOTTOM EDGE TO TOP OF PLATFORM
2. FOR SIGNS PA-1, PA-4, PA-5 SEE SHEET DTL A801 FOR MOUNTING
3. FOR SIGNS PA-6, PA-12, PA-13, PA-14, PA-15, PA-16 SEE KIOSK AND CABINET DETAILS FOR MOUNTING
4. SEE VOLUME 11E FOR COMMON DETAILS

SIGNAGE KEY

PA-1 PA-2	1 A801 DTL
PA-3 PA-4 PA-5	2 A801 DTL
PA-6	3 A801 DTL
PA-7	4 A801 DTL
PA-8	5 A801 DTL
PA-12	6 A801 DTL
PA-13 PA-14	7 A801 DTL
PA-15	3 A803 DTL
PA-16	2 A803 DTL

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SOUTHWEST Green Line LRT Extension

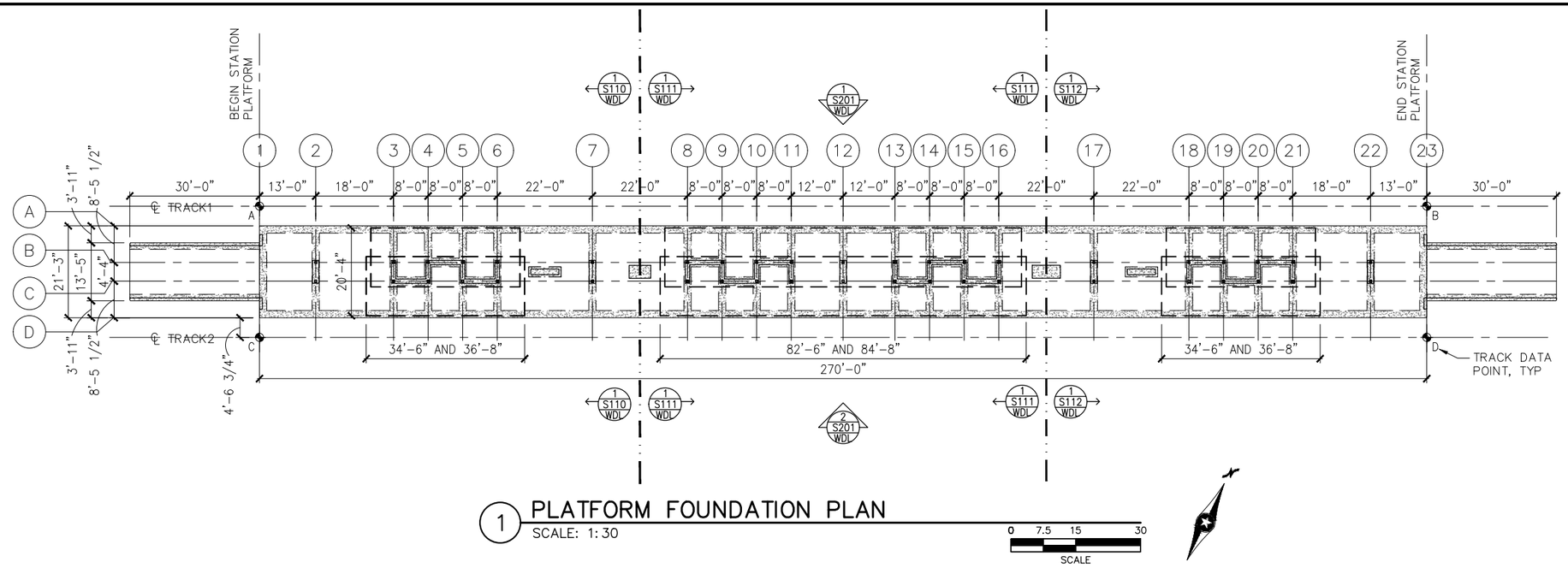
CIVIL - VOLUME 11C
WOODDALE STATION
SIGNAGE PLANS AND ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-WDL-ARC-SGN-800

SHEET 222 OF 510

Jan, 18 2016 11:12 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-SGN-800.dwg By: MurphySP



1 PLATFORM FOUNDATION PLAN

SCALE: 1:30

0 7.5 15 30
SCALE

TRACK DATA

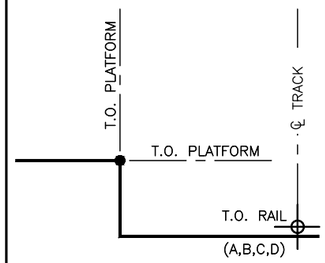
ELEV 100'-0" (LOCATION ON PLAN)

TRACK 1 EL 100'-0"= 916.61 (PT 'B')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING	
A	917.02	1668+71.60	
B	916.61	1671+41.60	

TRACK 2 EL 100'-0"= 916.61 (PT 'D')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING	
C	917.02	2668+71.60	
D	916.61	2671+41.60	



SECTION DIAGRAM AT PLATFORM EDGE

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CIVIL - VOLUME 11C
WOODDALE STATION
PLATFORM FOUNDATION PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E2-WDL-STR-PLN-101

SHEET 223 OF 510

Jan. 14 2016 04:10 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E2\PLAN SHEETS\STRUCTURES\WOODDALE STATION\E2-WDL-STR-PLN-101.dwg By: jordanl

WOODDALE

WOODDALE STATION PLATFORM

REFERENCE GRID	DISTANCE FROM BEGIN PLATFORM (FT)	T.O. TOPPING ELEVATION	T.O. STR. SLAB ELEVATION	T.O. TOPPING ELEVATION AT "L7"	B.O. BASEPLATE ELEVATION	T.O. WALL ELEVATION	T.O. HSS4X6 ELEVATION	T.O. LOWER W8X31 ELEVATION	T.O. UPPER W8X31 ELEVATION	T.O. HSS6X6X1/2 ELEVATION	H1 (T.O. SLAB TO T.O. WALL) (FT)
1	0	918.18	917.85	918.11							
2	13	918.16	917.83	918.09	916.41	919.66				936.66	1.83
3	31	918.14	917.80	918.07	916.39	919.98	926.48	930.14	933.14	936.64	2.17
4	39	918.12	917.79	918.05	916.37	919.98	926.48	930.14	933.14		2.19
5	47	918.11	917.78	918.04	916.36	919.98	926.48	930.14	933.14		2.20
6	55	918.10	917.77	918.03	916.35	919.98	926.48	930.14	933.14	936.64	2.21
WALL TRANSITION POINT 1	**62.75**	**918.09**	**917.75**	**918.02**		**919.92**					**2.17**
WALL TRANSITION POINT 2	**69.25**	**918.08**	**917.74**	**918.01**		**919.92**					**2.18**
7	77	918.07	917.73	918.00	916.32	919.57				936.57	1.83
8	99	918.03	917.70	917.96	916.28	919.87	926.37	930.04	933.04	936.54	2.17
9	107	918.02	917.69	917.95	916.27	919.87	926.37	930.04	933.04		2.19
10	115	918.01	917.68	917.94	916.26	919.87	926.37	930.04	933.04		2.20
11	123	918.00	917.66	917.93	916.25	919.87	926.37	930.04	933.04	936.54	2.21
12	135	917.98	917.65	917.91	916.23	919.48		930.04	933.04		1.83
13	147	917.96	917.63	917.89	916.21	919.87	926.37	930.04	933.04	936.54	2.25
14	155	917.95	917.62	917.88	916.20	919.87	926.37	930.04	933.04		2.26
15	163	917.94	917.60	917.87	916.19	919.87	926.37	930.04	933.04		2.27
16	171	917.93	917.59	917.86	916.18	919.87	926.37	930.04	933.04	936.54	2.28
17	193	917.89	917.56	917.82	916.14	919.39				936.39	1.83
WALL TRANSITION POINT 3	**200.75**	**917.88**	**917.55**	**917.81**		**919.71**					**2.17**
WALL TRANSITION POINT 4	**207.25**	**917.87**	**917.54**	**917.80**		**919.71**					**2.18**
18	215	917.86	917.53	917.79	916.11	919.70	926.20	929.87	932.87	936.37	2.17
19	223	917.85	917.51	917.78	916.10	919.70	926.20	929.87	932.87		2.19
20	231	917.84	917.50	917.77	916.09	919.70	926.20	929.87	932.87		2.20
21	239	917.82	917.49	917.75	916.07	919.70	926.20	929.87	932.87	936.37	2.21
22	257	917.80	917.46	917.73	916.05	919.30				936.30	1.83
23	270	917.78	917.44	917.71							

GENERAL NOTES

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2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.

REFERENCE TABLE NOTES

1. TOP OF PLATFORM ELEVATION (TOPPING SLAB) SHALL BE 4"(±) ABOVE TOP OF STRUCTURAL SLAB ELEVATION AS INDICATED IN TABLE.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

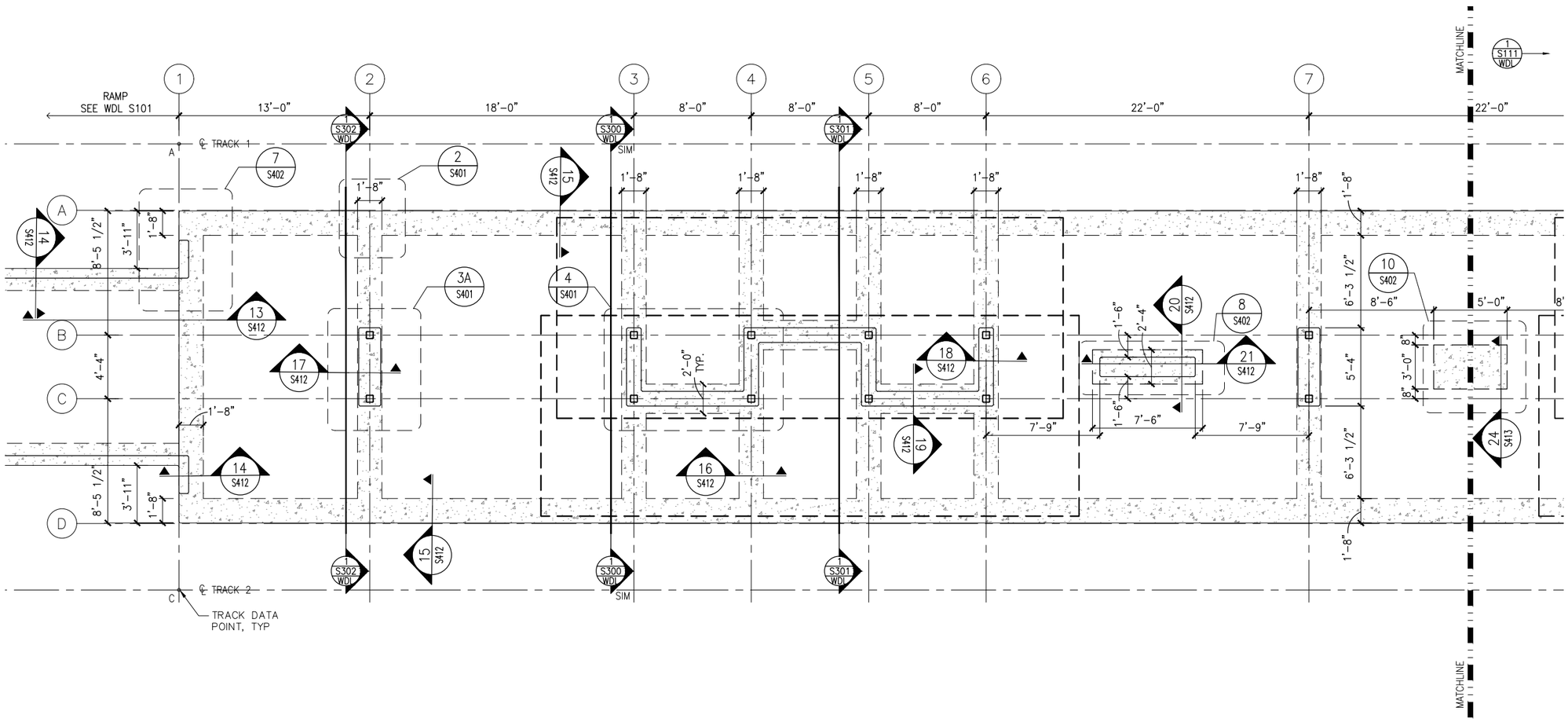
CIVIL - VOLUME 11C
WOODDALE STATION
STATION REFERENCE TABLE

DISCIPLINE: STRUCTURES

SHEET NAME: E2-WDL-STR-SCH-102

SHEET 224 OF 510

Jan. 14 2016 04:13 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E2\PLAN SHEETS\STRUCTURES\WOODDALE STATION\E2-WDL-STR-SCH-102.dwg By: jordanl



1 WEST PARTIAL FOUNDATION PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL NOTES

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3. SEE VOLUME 11E FOR COMMON DETAILS.

FLOOR PLAN NOTES

1. FOR HEIGHTS AND LOCATIONS OF KNEE WALLS, SEE ARCH. DWGS.
2. FOR TYPICAL COLUMN BASE PLATE DETAILS SEE DWG. XXXXXX.
3. "GB-X" INDICATES GRADE BEAM MARK.
4. SLAB ON GRADE SHALL BEAR ON ENGINEERED FILL, REINF. W/ 4x4-W4.0xW4.0 W.W.F. TOP, W/ 1" CLR. COVER.

SCHEDULES or LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

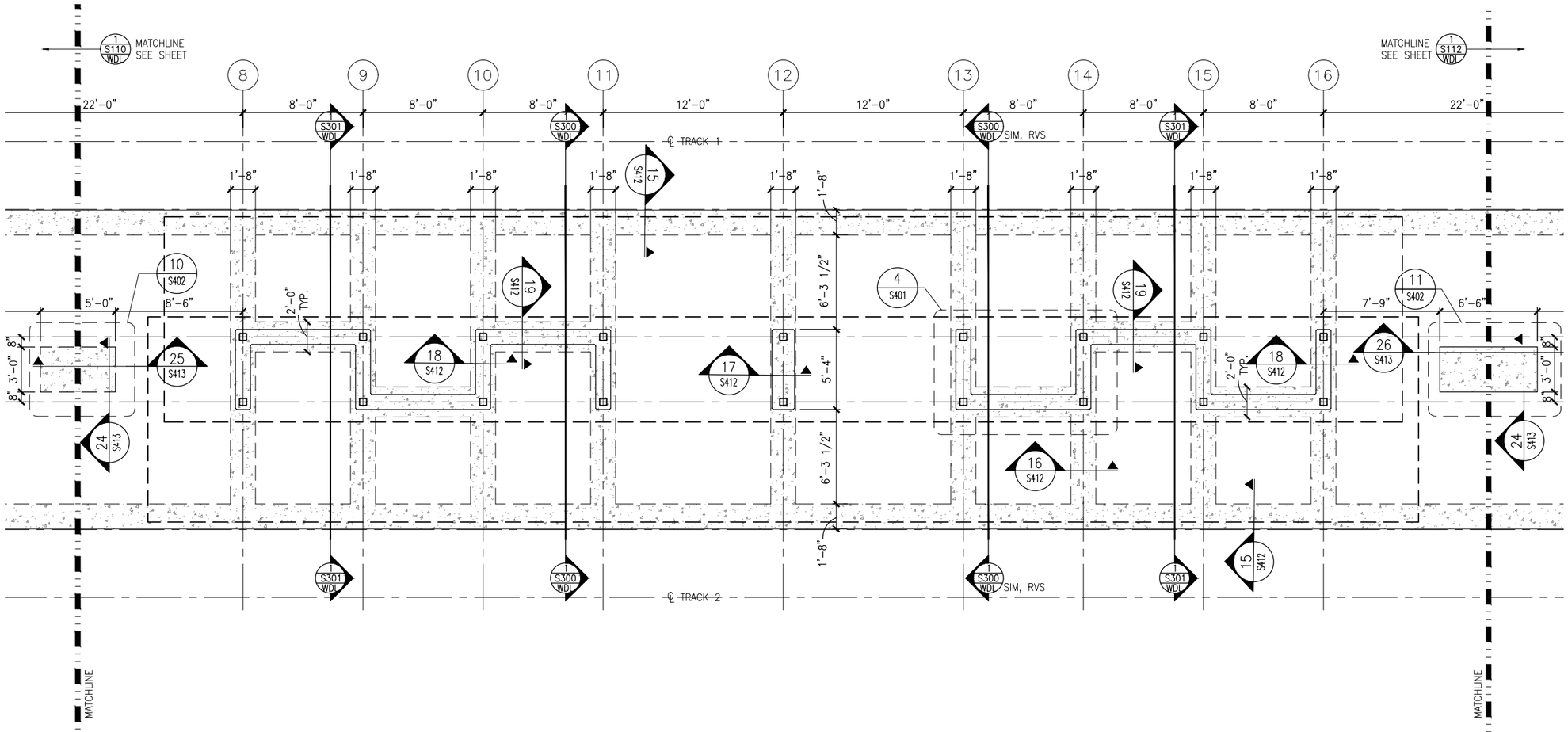
CIVIL - VOLUME 11C
WOODDALE STATION
WEST PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E2-WDL-STR-PLN-110

SHEET 225 OF 510

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1 MIDDLE PARTIAL FOUNDATION PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL NOTES

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3. SEE VOLUME 11E FOR COMMON DETAILS.

FLOOR PLAN NOTES

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2. FOR TYPICAL COLUMN BASE PLATE DETAILS SEE DWG. XXXXXX.
3. "GB-X" INDICATES GRADE BEAM MARK.
4. SLAB ON GRADE SHALL BEAR ON ENGINEERED FILL, REINF. W/ 4x4-W4.0xW4.0 W.W.F. TOP, W/ 1" CLR. COVER.

SCHEDULES or LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

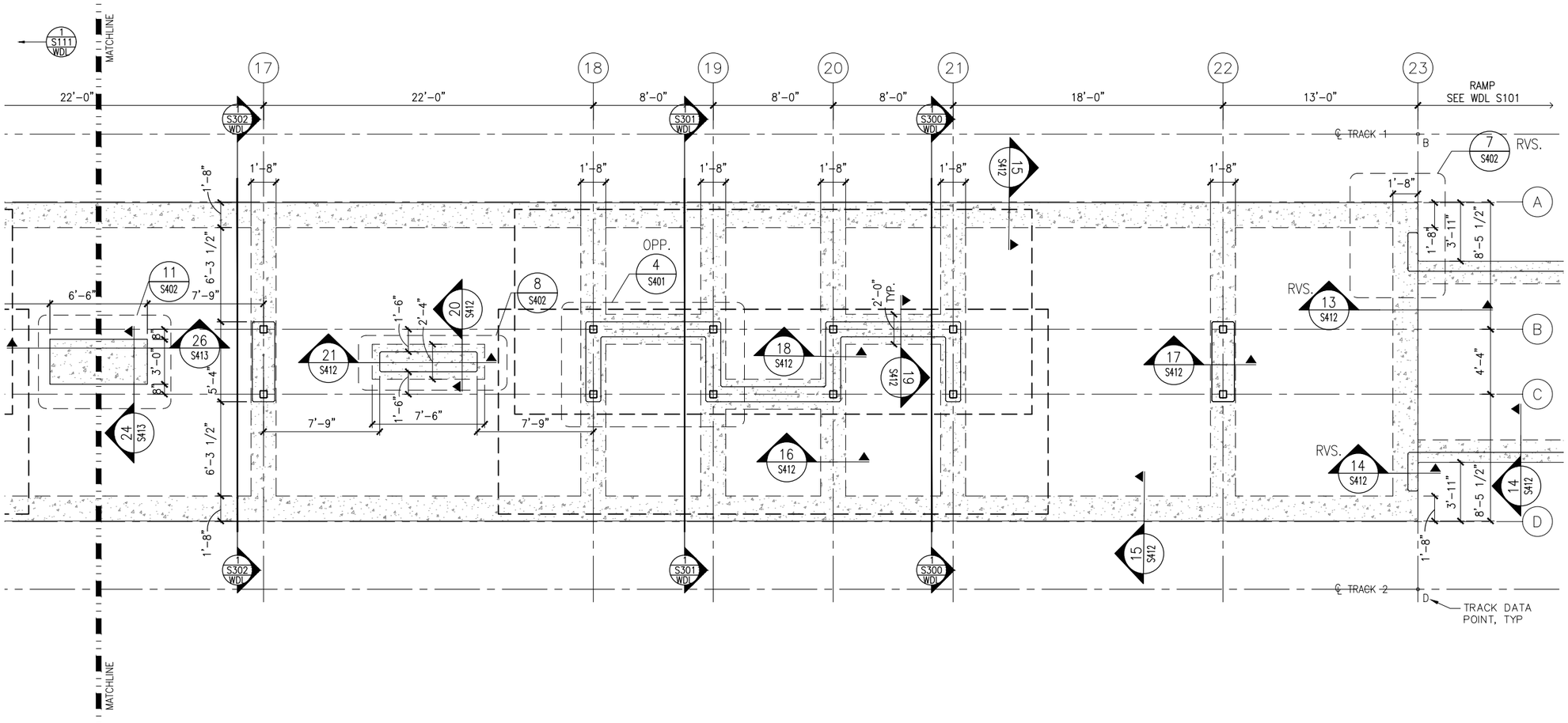
CIVIL - VOLUME 11C
WOODDALE STATION
MIDDLE PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E2-WDL-STR-PLN-111

SHEET 226 OF 510

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1 EAST PARTIAL FOUNDATION PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
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3. SEE VOLUME 11E FOR COMMON DETAILS.

FLOOR PLAN NOTES

1. FOR HEIGHTS AND LOCATIONS OF KNEE WALLS, SEE ARCH. DWGS.
2. FOR TYPICAL COLUMN BASE PLATE DETAILS SEE DWG. XXXXXX.
3. "GB-X" INDICATES GRADE BEAM MARK.
4. SLAB ON GRADE SHALL BEAR ON ENGINEERED FILL, REINF. W/ 4x4-W4.0xW4.0 W.W.F. TOP, W/ 1" CLR. COVER.

SCHEDULES or LEGEND

STEEL COLUMN

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SOUTHWEST Green Line LRT Extension

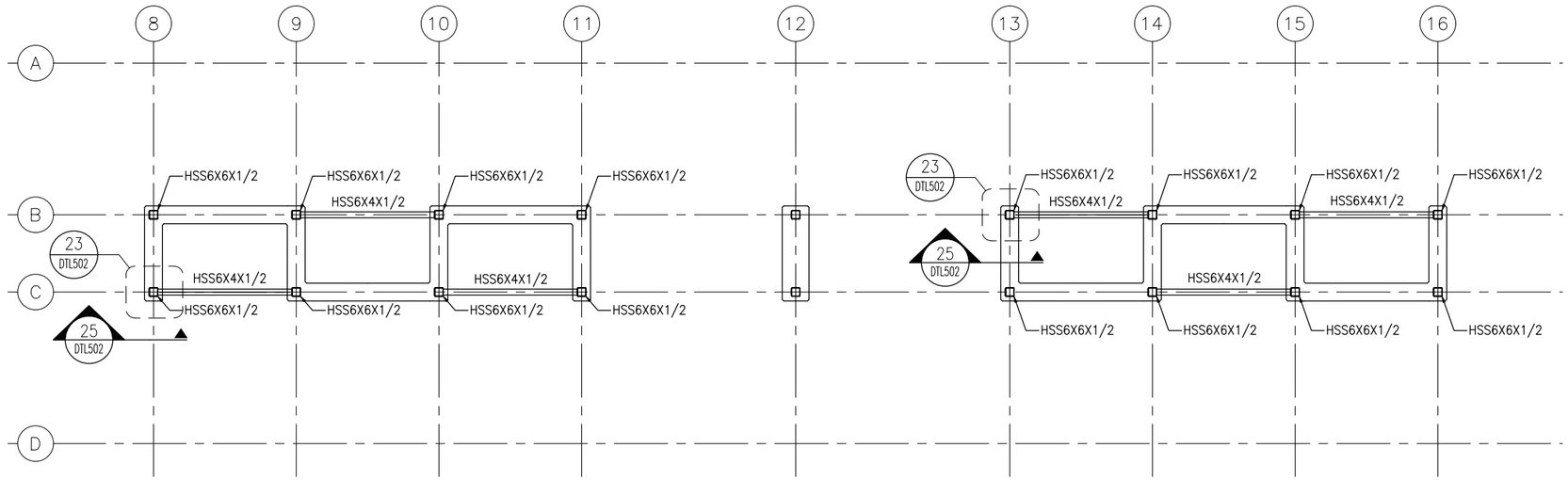
CIVIL - VOLUME 11C
WOODDALE STATION
EAST PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES

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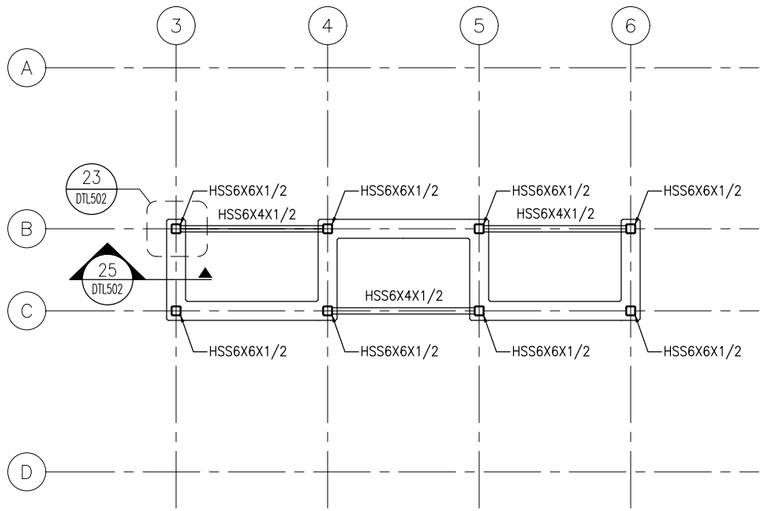
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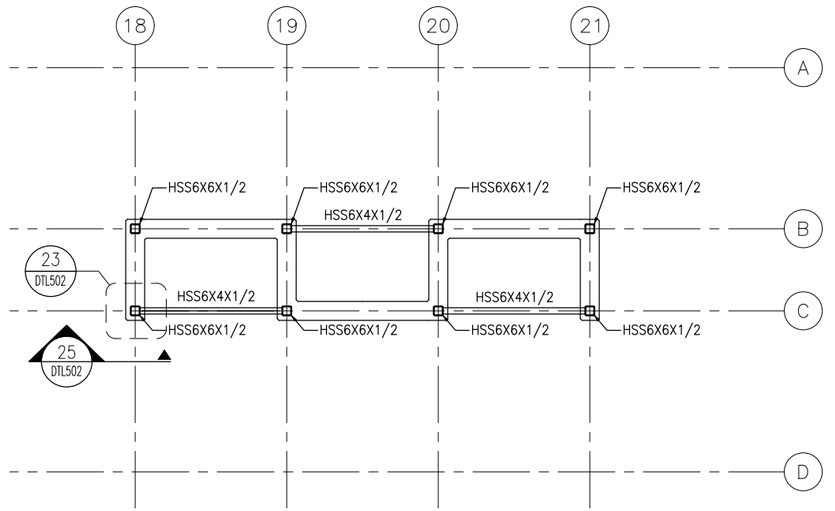
1 INTERMEDIATE FRAMING PLAN – MIDDLE LOWER CANOPY
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



2 INTERMEDIATE FRAMING PLAN – WEST LOWER CANOPY
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



3 INTERMEDIATE FRAMING PLAN – EAST LOWER CANOPY
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

SHEET NOTES

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3. SEE VOLUME 11E FOR COMMON DETAILS.

KEY NOTES

1. [ ] INDICATES SPAN DIRECTION OF ROOF METAL DECK. SEE ARCH. DWGS.
2. [ ] DENOTES PREQUALIFIED SHOP OR FIELD WELDED CONNECTION.
3. BC DENOTES BOLTED CONNECTION, FOR TYPICAL BEAM TO BEAM BOLTED CONNECTIONS AND SIMILAR DETAILS SEE DWG. XXXXXXX & XXXXXXX

LEGEND

STEEL COLUMN

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SOUTHWEST Green Line LRT Extension

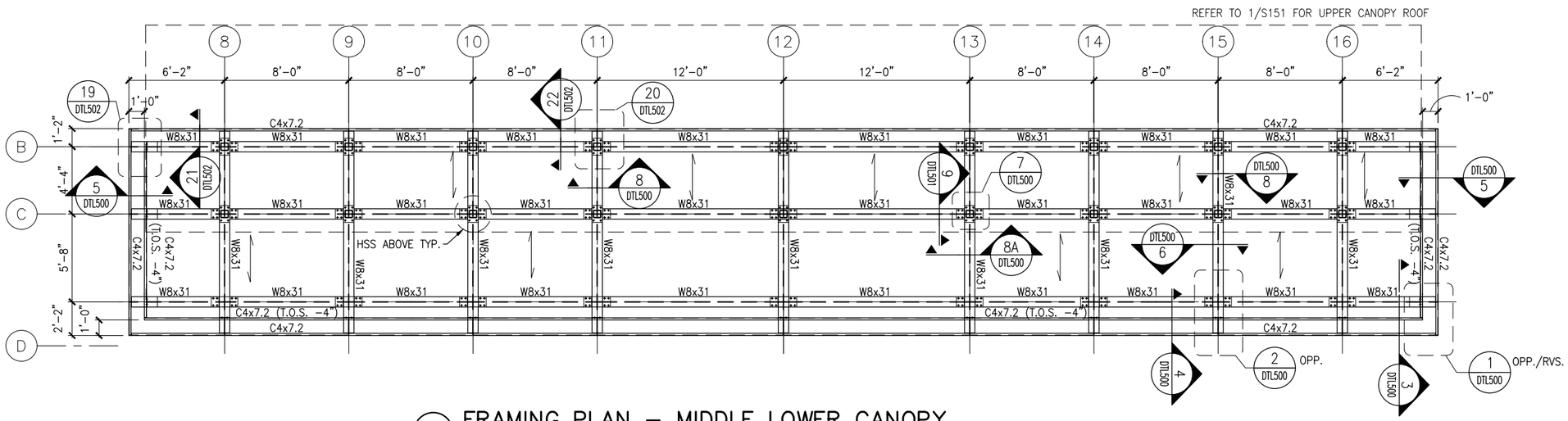
CIVIL - VOLUME 11C
WOODDALE STATION
INTERMEDIATE FRAMING PLAN

SHEET 228 OF 510

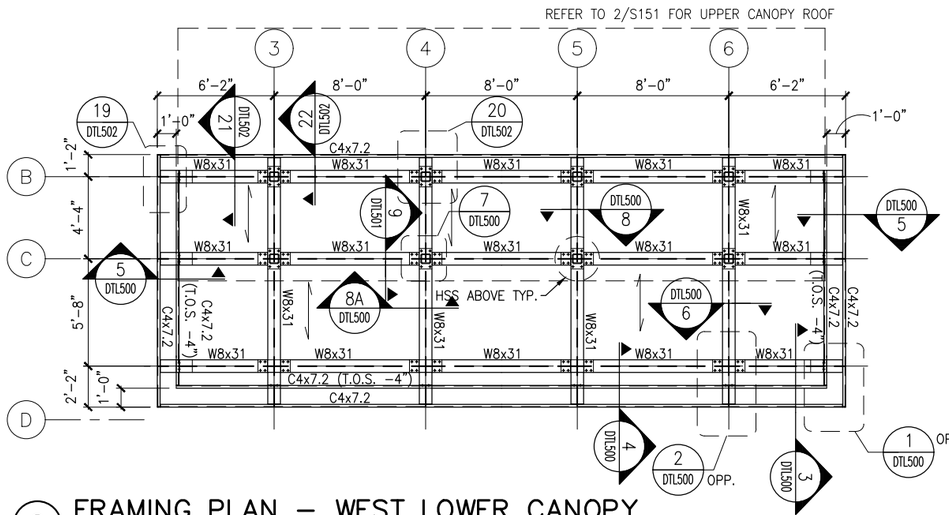
DISCIPLINE: STRUCTURES

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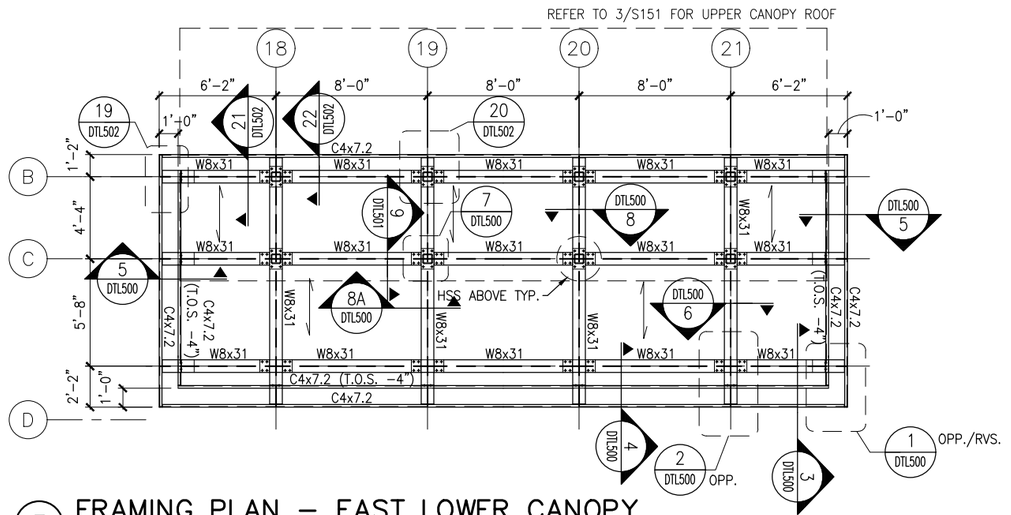
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1 FRAMING PLAN – MIDDLE LOWER CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE



2 FRAMING PLAN – WEST LOWER CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE



3 FRAMING PLAN – EAST LOWER CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE

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LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

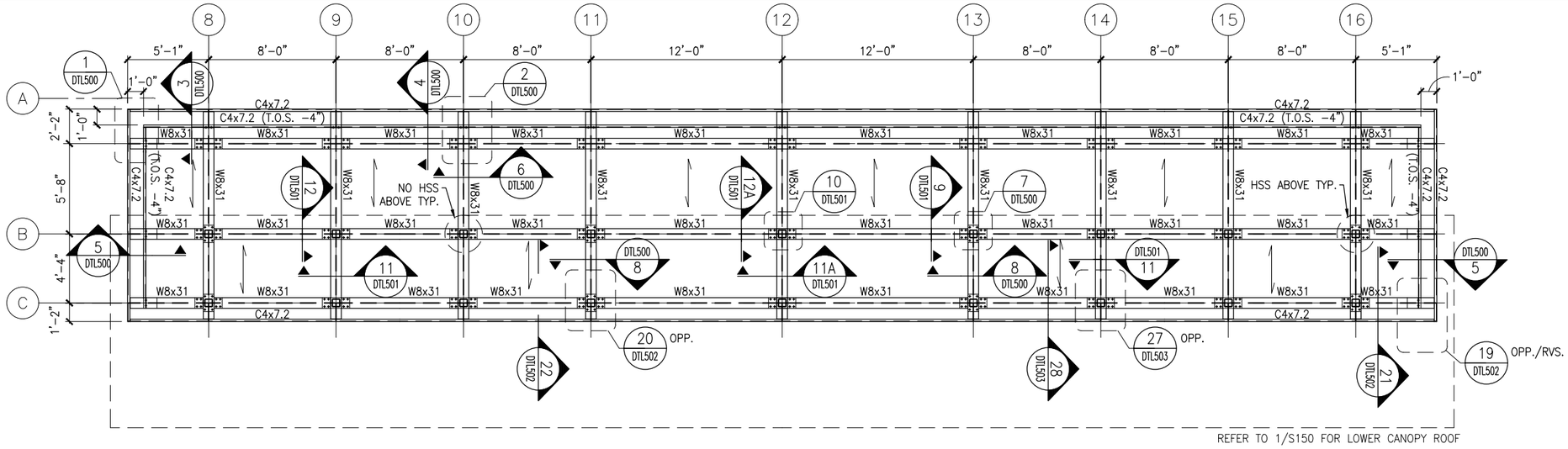
CIVIL - VOLUME 11C
WOODDALE STATION
LOWER ROOF FRAMING PLANS

DISCIPLINE: STRUCTURES

SHEET NAME: E2-WDL-STR-PLN-150

SHEET 229 OF 510

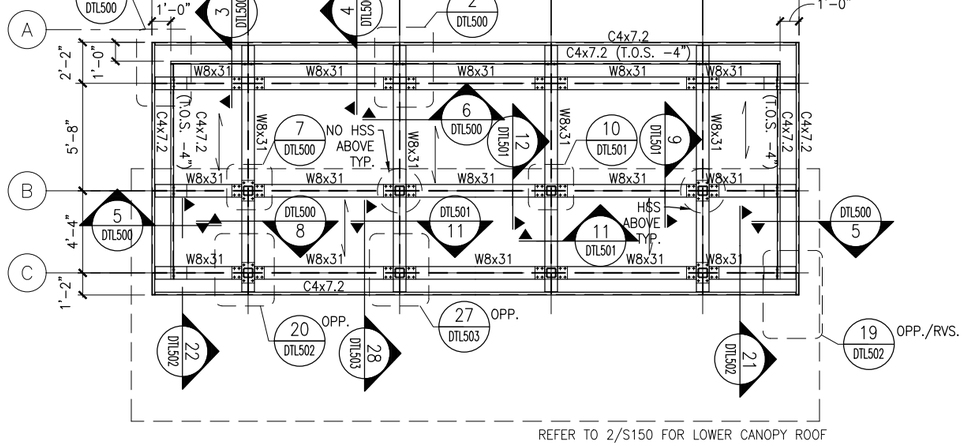
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1 FRAMING PLAN – MIDDLE UPPER CANOPY

SCALE: 1/8"=1'-0"

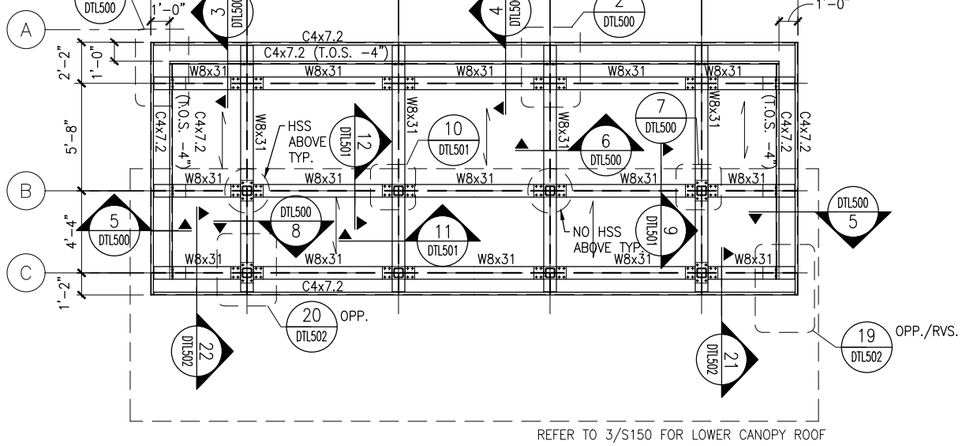
0 2 4 8
SCALE



2 FRAMING PLAN – WEST UPPER CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



3 FRAMING PLAN – EAST UPPER CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

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LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

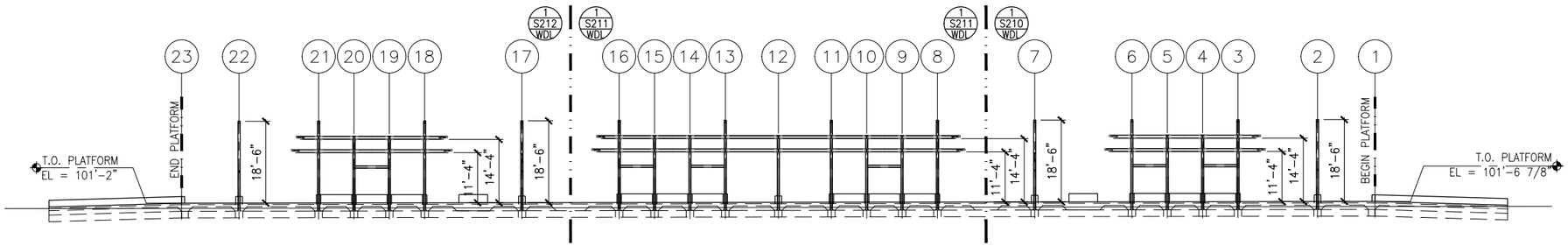
CIVIL - VOLUME 11C
WOODDALE STATION
UPPER ROOF FRAMING PLANS

SHEET 230 OF 510

DISCIPLINE: STRUCTURES

SHEET NAME: E2-WDL-STR-PLN-151

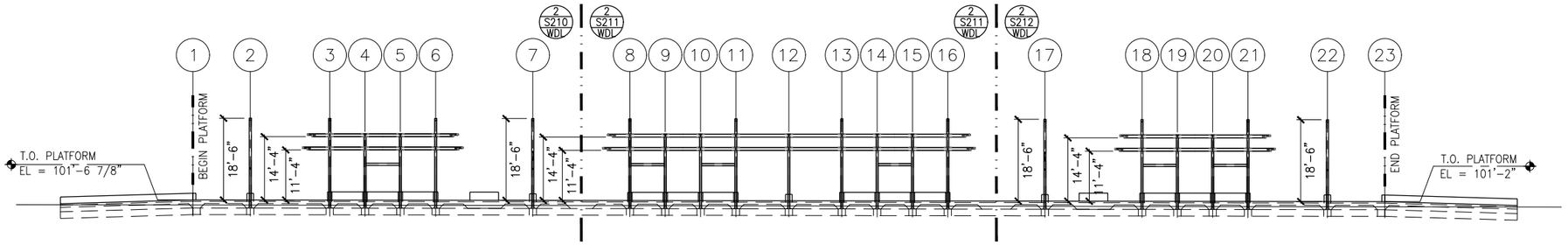
Jan, 14 2016 04:15 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E2\PLAN SHEETS\STRUCTURES\WOODDALE STATION\E2-WDL-STR-PLN-151.dwg By: jordanl



1 TRACK 1 ELEVATION – FRAMING

SCALE: 1:30 (–0.15% SLOPE)*

0 7.5 15 30 SCALE



2 TRACK 2 ELEVATION – FRAMING

SCALE: 1:30 (–0.15% SLOPE)*

0 7.5 15 30 SCALE

*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

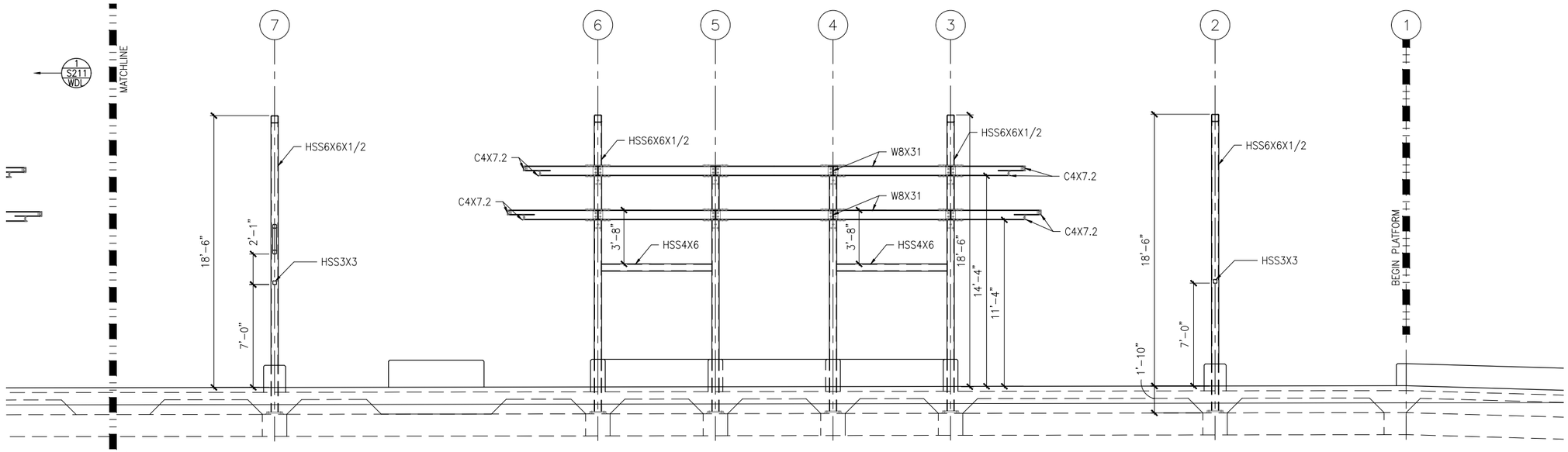
CIVIL - VOLUME 11C
WOODDALE STATION
ELEVATIONS -- FRAMING

DISCIPLINE: STRUCTURES

SHEET NAME: E2-WDL-STR-ELV-201

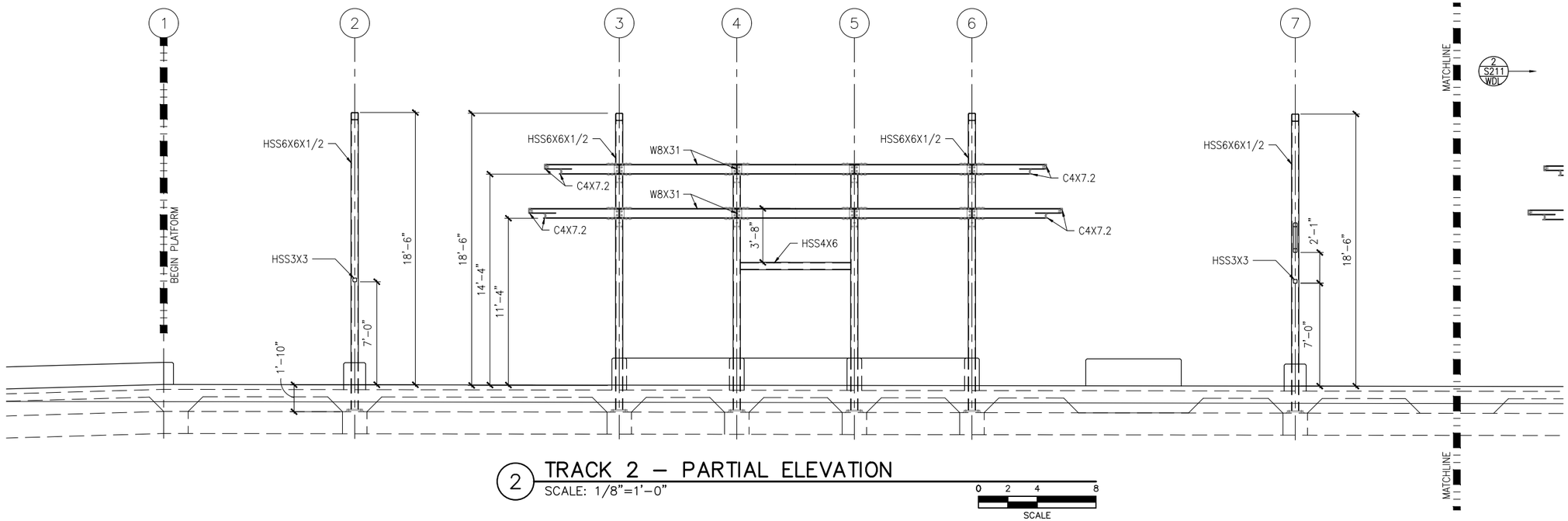
SHEET 231 OF 510

Jan, 14 2016 04:16 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E2\PLAN SHEETS\STRUCTURES\WOODDALE STATION\E2-WDL-STR-ELV-201.DWG By: jordanl



1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

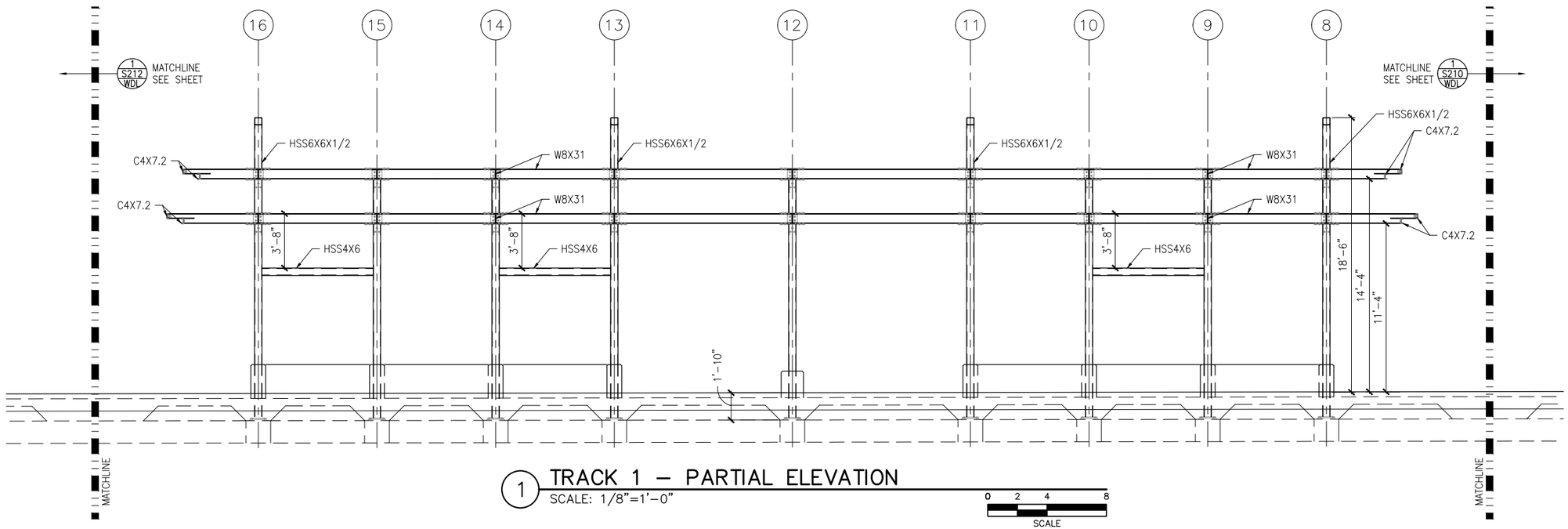
CIVIL - VOLUME 11C
WOODDALE STATION
WEST PARTIAL ELEVATIONS -- FRAMING

SHEET 232 OF 510

DISCIPLINE: STRUCTURES

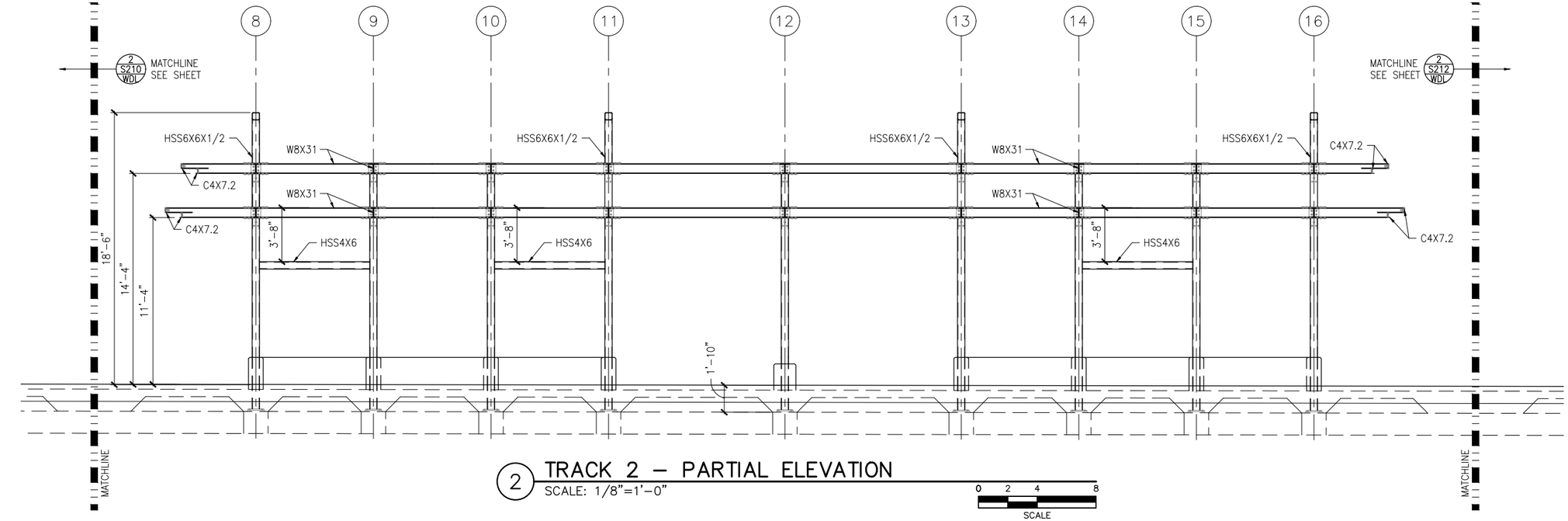
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1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

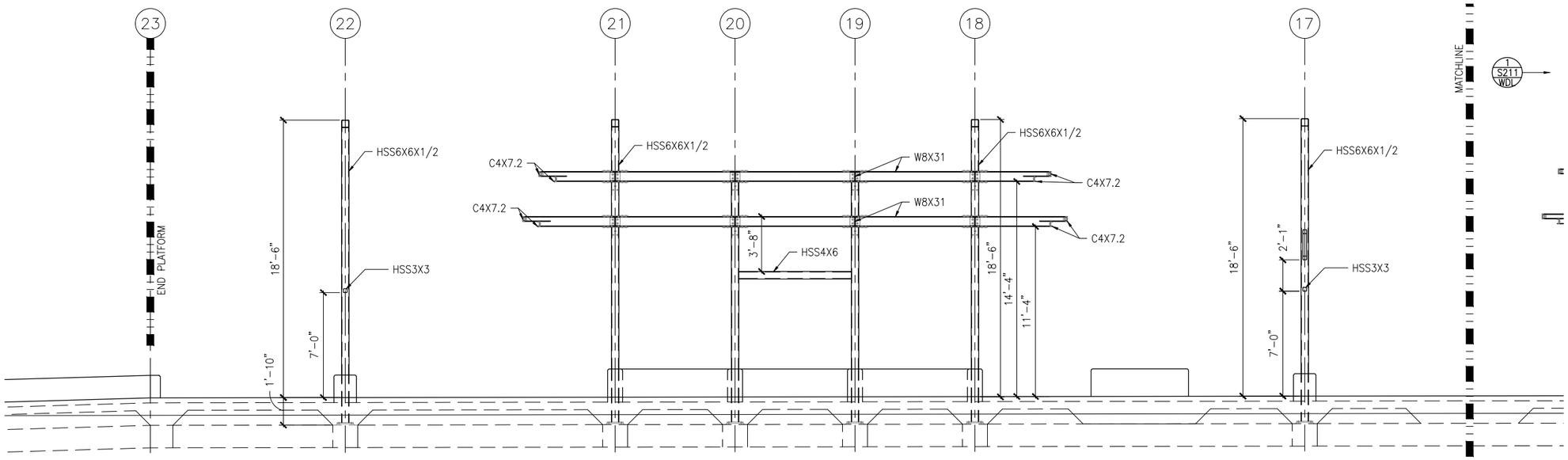
CIVIL - VOLUME 11C
WOODDALE STATION
MIDDLE PARTIAL ELEVATIONS -- FRAMING

DISCIPLINE: STRUCTURES

SHEET NAME: E2-WDL-STR-ELV-211

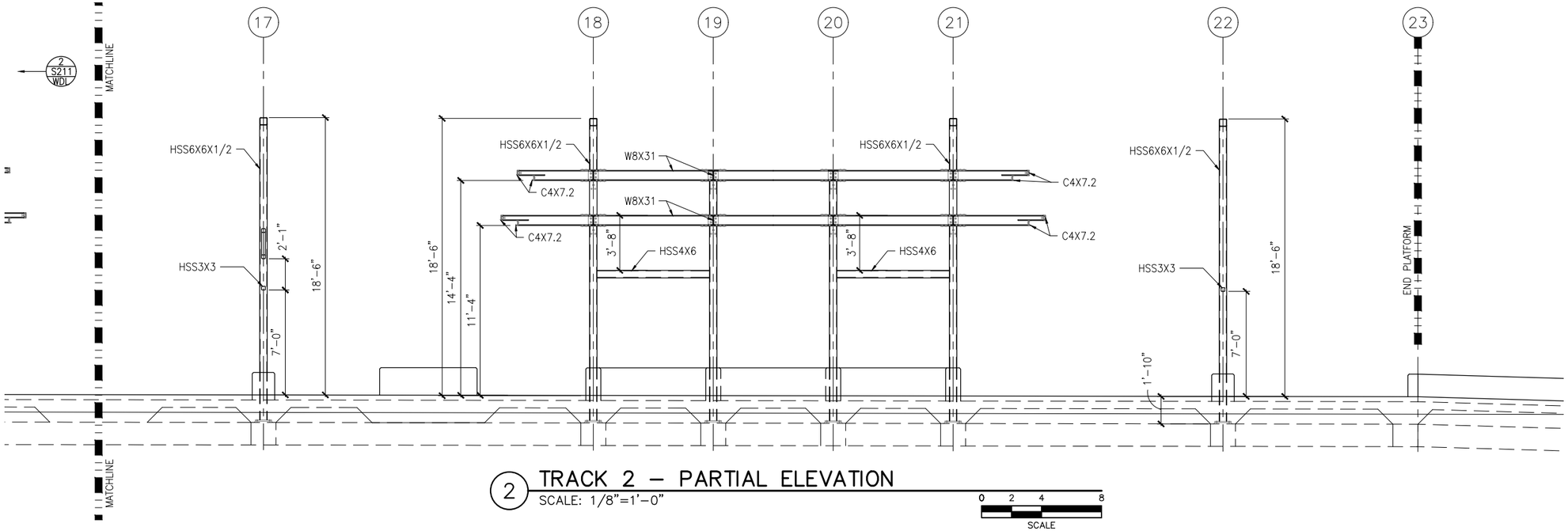
SHEET 233 OF 510

Jan, 14 2016 04:17 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E2\PLAN SHEETS\STRUCTURES\WDL-STR-ELV-211.dwg By: jordanl



1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

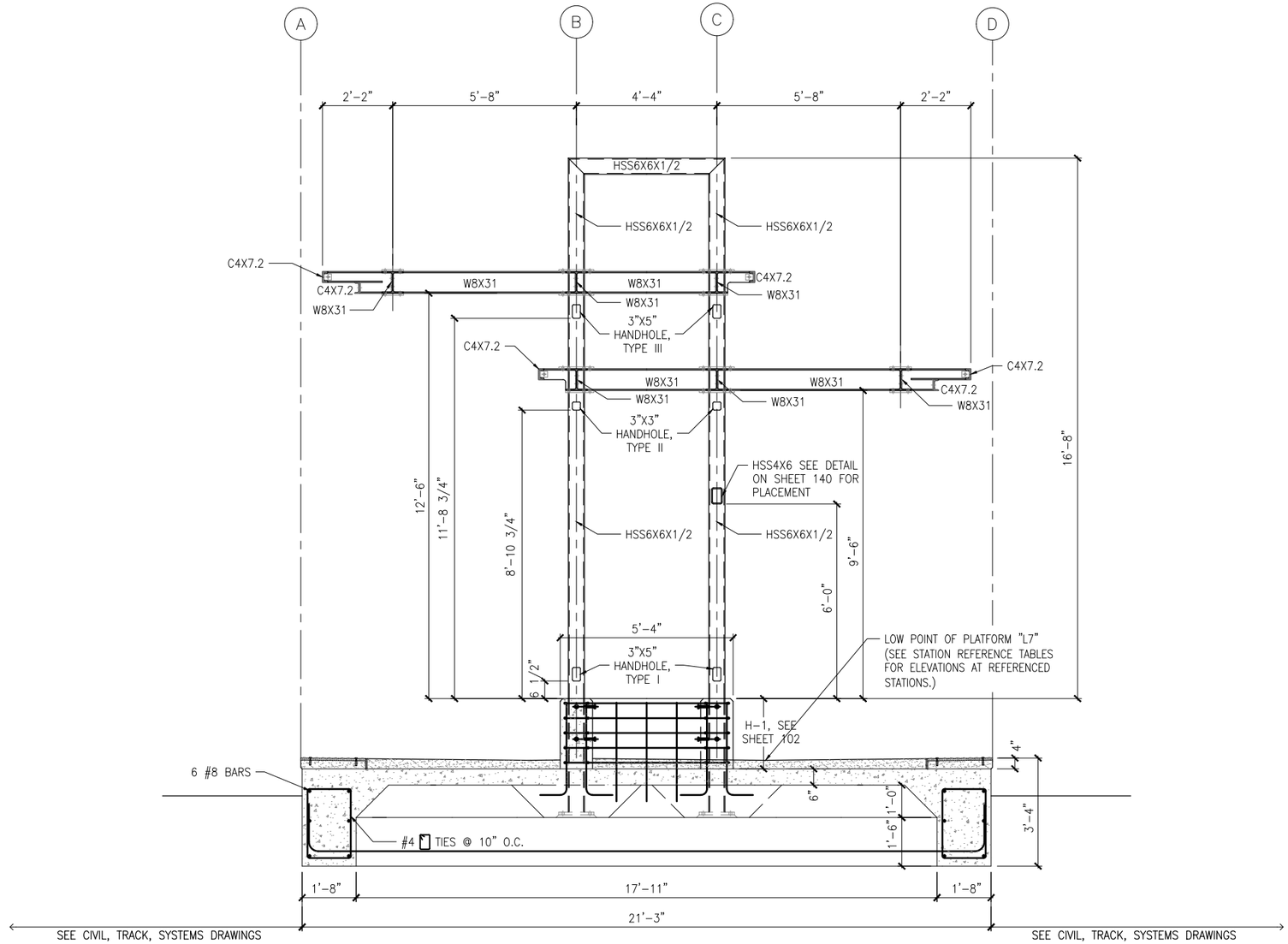
CIVIL - VOLUME 11C
WOODDALE STATION
EAST PARTIAL ELEVATIONS -- FRAMING

SHEET 234 OF 510

DISCIPLINE: STRUCTURES

SHEET NAME: E2-WDL-STR-ELV-212

Jan, 14 2016 04:17 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E2\PLAN SHEETS\STRUCTURES\WDL-STR-ELV-212.dwg By: jordanl



1 TYPICAL PLATFORM SECTION

SCALE:1/4"=1'-0"

0 1 2 4
SCALE

TYPICAL AT COL. LINES 3, 6, 8, 11, 13, 16, 18, 21
HSS4X6 LOCATED ON COL. LINE B BETWEEN COLUMNS 3-4, 5-6, 9-10, 13-14, 15-16, 19-20
HSS4X6 LOCATED ON COL. LINE C BETWEEN COLUMNS 4-5, 8-9, 10-11, 14-15, 18-19, 20-21
SEE PLN FOR LOCATION OF CONC FDN WALL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

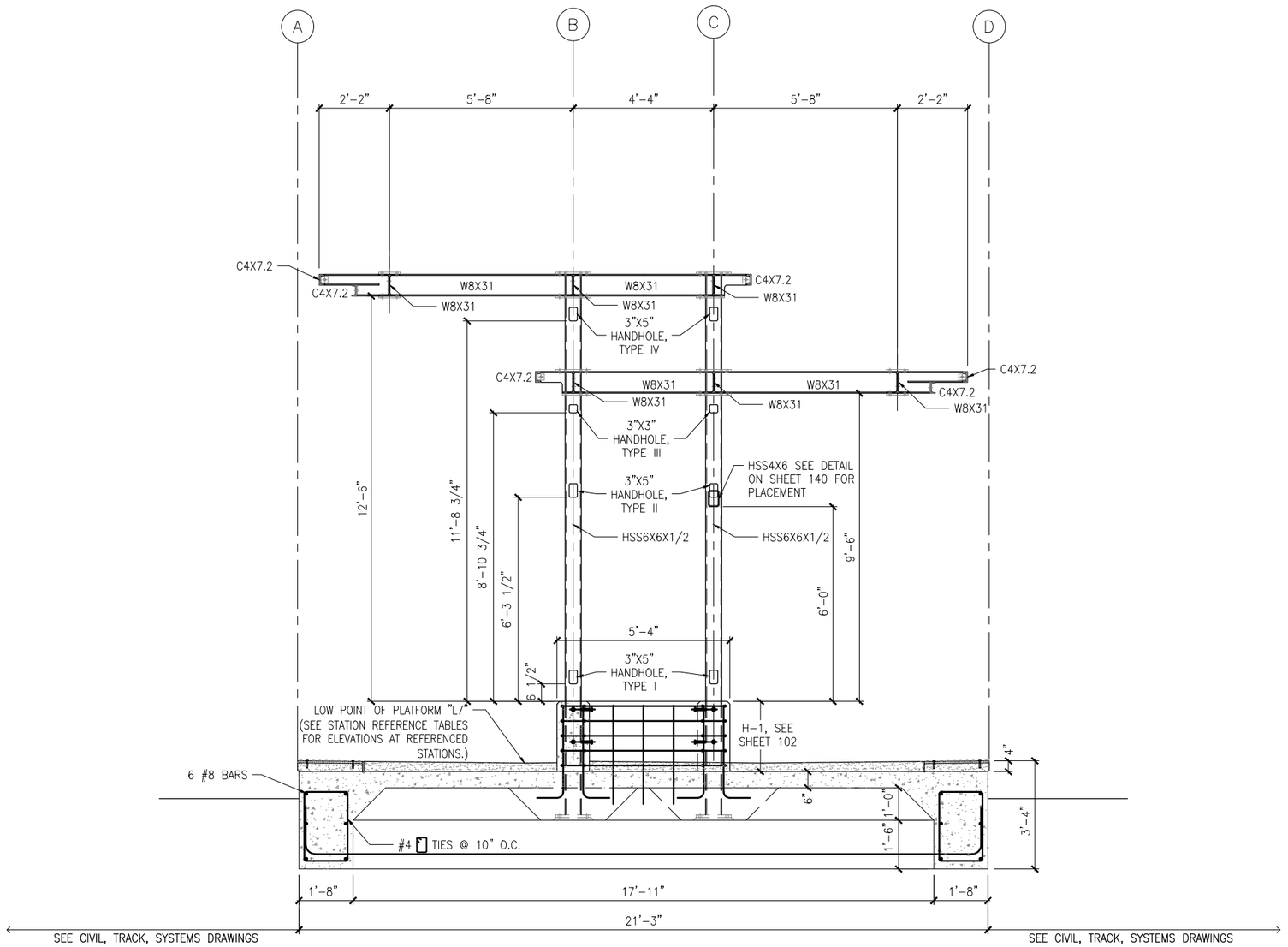
CIVIL - VOLUME 11C
WOODDALE STATION
TYPICAL PLATFORM SECTION

DISCIPLINE: STRUCTURES

SHEET NAME: E2-WDL-STR-SCT-300

SHEET 235 OF 510

Jan, 14 2016 04:17 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E2\PLAN SHEETS\STRUCTURES\WOODDALE STATION\E2-WDL-STR-SCT-300.dwg By: jordanl



1 TYPICAL PLATFORM SECTION

SCALE:1/4"=1'-0"

0 1 2 4
SCALE

TYPICAL AT COL. LINES 4, 5, 9, 10, 12, 14, 15, 19, 20
HSS4X6 LOCATED ON COL. LINE B BETWEEN COLUMNS 3-4, 5-6, 9-10, 13-14, 15-16, 19,20
HSS4X6 LOCATED ON COL. LINE C BETWEEN COLUMNS 4-5, 8-9, 10-11, 14-15, 18-19, 20-21
HSS4X6 NOT INSTALLED AT COL. LINE 12
SEE PLN FOR LOCATION OF CONC FDN WALL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

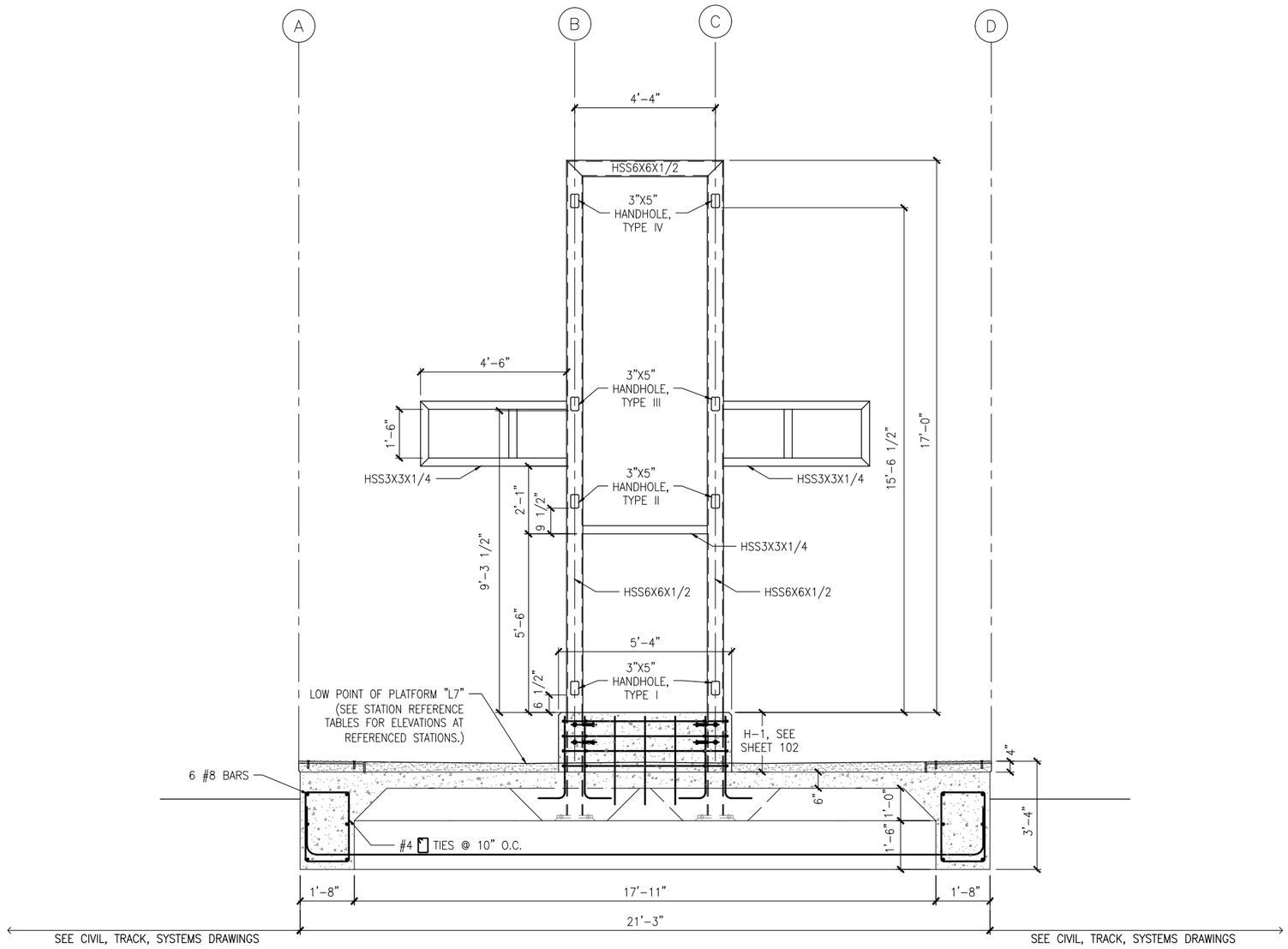
CIVIL - VOLUME 11C
WOODDALE STATION
TYPICAL PLATFORM SECTION

DISCIPLINE: STRUCTURES

SHEET NAME: E2-WDL-STR-SCT-301

SHEET 236 OF 510

Jan, 14 2016 04:18 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E2\PLAN SHEETS\STRUCTURES\WOODDALE STATION\E2-WDL-STR-SCT-301.dwg By: jordanl



1 TYPICAL PLATFORM SECTION

SCALE:1/4"=1'-0"
TYPICAL AT COL. LINES 2,7,17,22
VMS SUPPORTS AT COL. LINES 7 & 17

0 1 2 4
SCALE

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

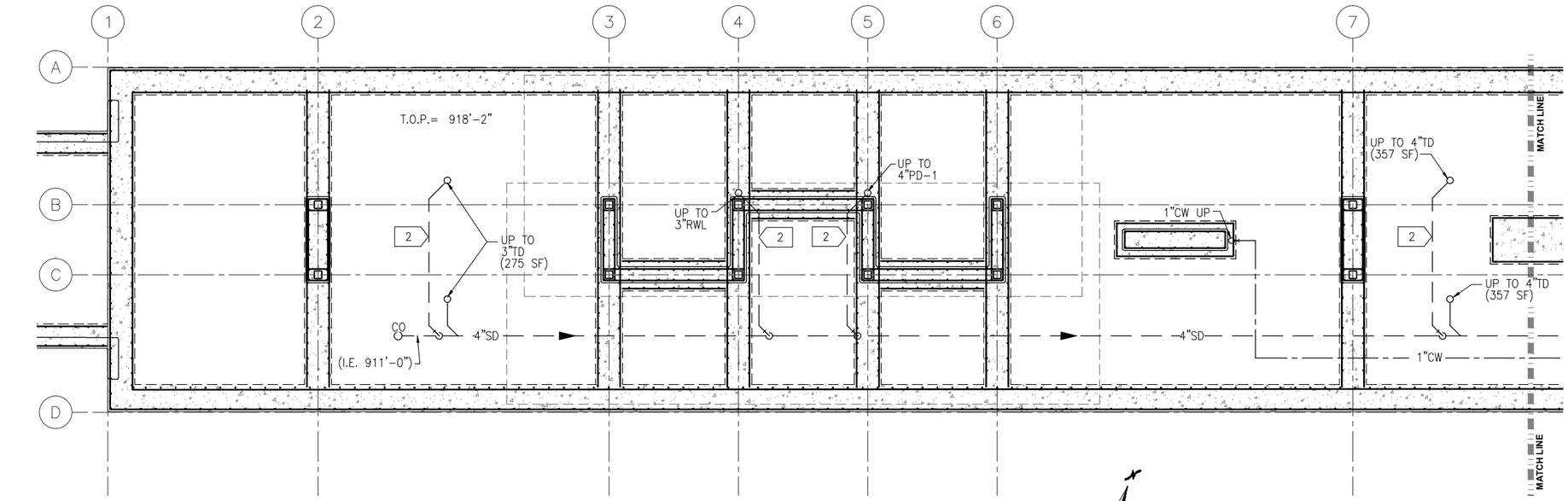
CIVIL - VOLUME 11C
WOODDALE STATION
TYPICAL PLATFORM SECTION

SHEET 237 OF 510

DISCIPLINE: STRUCTURES

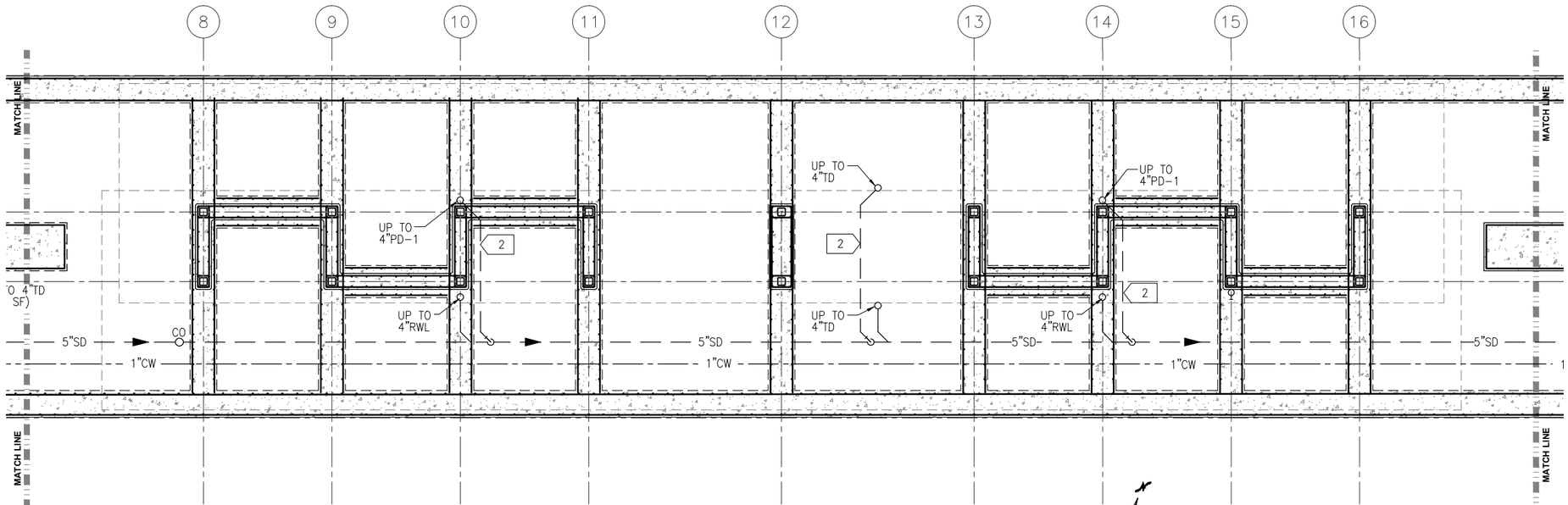
SHEET NAME: E2-WDL-STR-SCT-302

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1 WEST UNDERFLOOR PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 MIDDLE UNDERFLOOR PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
C. MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
D. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF HEIGHTS AND LAYOUT.
E. REFER TO PLUMBING DETAIL XXX AND VOLUME 7 FOR WATER METER LOCATION AND ENCLOSURE REQUIREMENTS.
F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES:

1 EXTEND WATER AND STORM OUTSIDE GUIDEWAY. CONNECTION BY OUTDOOR UTILITY CONTRACTOR.

2 ROUTE PIPING ABOVE DUCT BANK. DROP DOWN TO CONNECT TO MAIN.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

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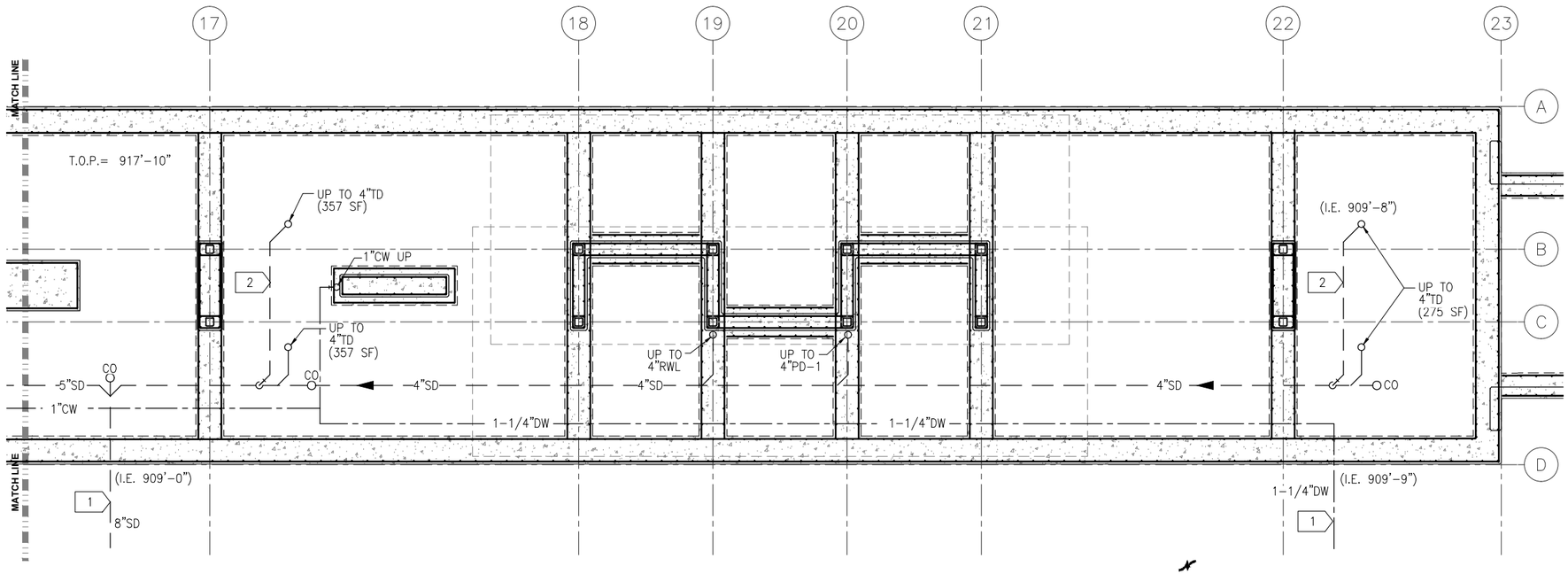
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WOODDALE STATION
WEST AND MIDDLE PARTIAL
UNDERFLOOR PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E2-WDL-PLM-PLN-100

SHEET 238 OF 510

Jan, 16 2016 03:01 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\WOODDALE STATION\E2-WDL-PLM-PLN-100.dwg By: craig



1 EAST UNDERFLOOR PLUMBING PLAN

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
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PLUMBING KEY NOTES:

1 EXTEND WATER AND STORM OUTSIDE GUIDEWAY. CONNECTION BY OUTDOOR UTILITY CONTRACTOR.

2 ROUTE PIPING ABOVE DUCT BANK. DROP DOWN TO CONNECT TO MAIN.

Jan, 16 2016 03:01 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\WOODDALE STATION\E2-WDL-PLM-PLN-101.dwg By: craig

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METROPOLITAN COUNCIL

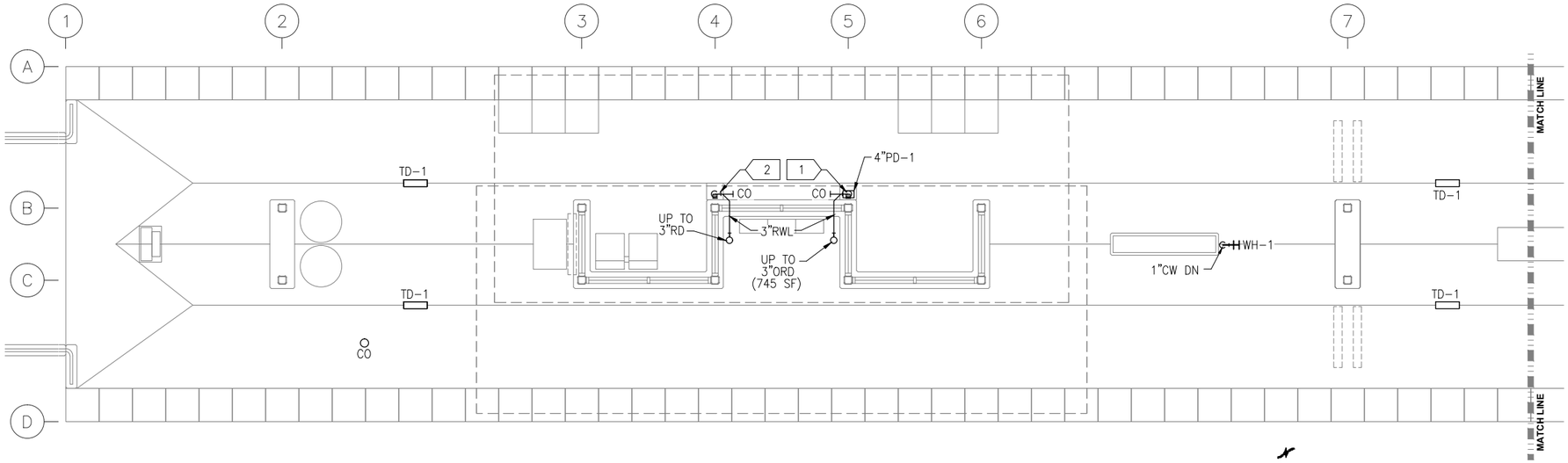
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WOODDALE STATION
EAST PARTIAL UNDERFLOOR PLUMBING PLAN

DISCIPLINE: PLUMBING

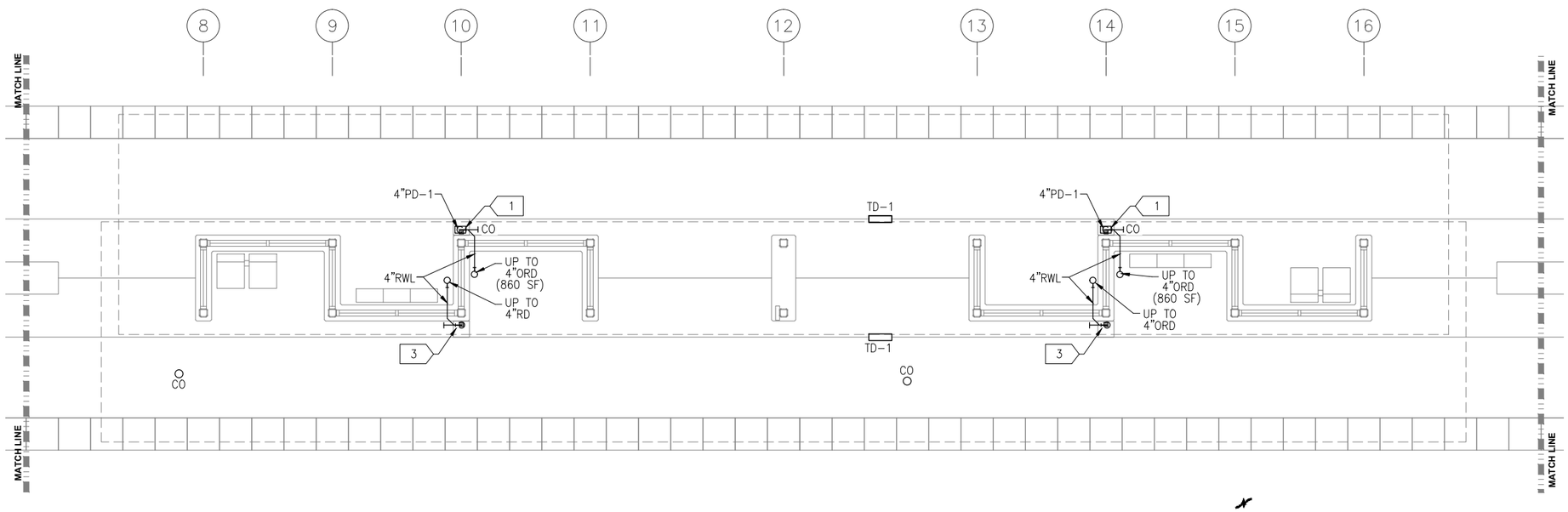
SHEET NAME: E2-WDL-PLM-PLN-101

SHEET 239 OF 510



1 WEST PLATFORM PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 MIDDLE PLATFORM PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
C. MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
D. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF HEIGHTS AND LAYOUT.
E. REFER TO PLUMBING DETAIL XXX AND VOLUME 7 FOR WATER METER LOCATION AND ENCLOSURE REQUIREMENTS.
F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES

1 3" ORD RWL'S DOWN TO 4" PD-1.
2 3"ø RWL DOWN TO BELOW PLATFORM.
3 4"ø RWL DOWN TO BELOW PLATFORM.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

90% SUBMISSION - 01/22/16

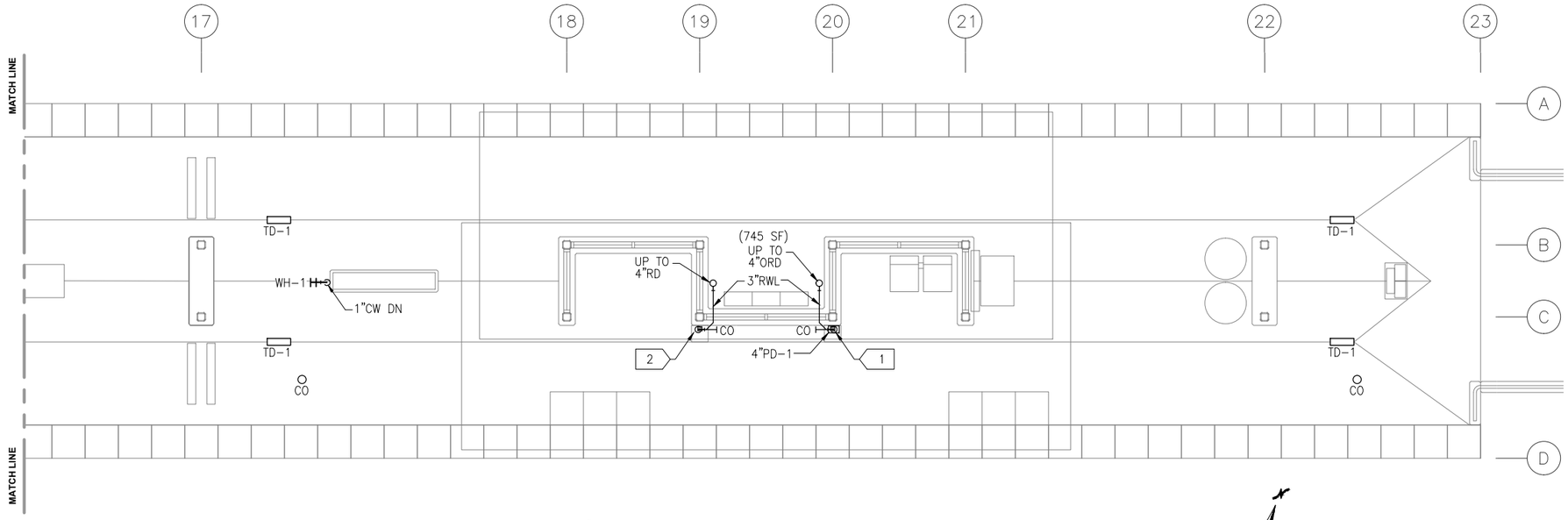
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WOODDALE STATION
WEST AND MIDDLE PARTIAL PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E2-WDL-PLM-PLN-110

SHEET 240 OF 510

Jan, 16 2016 03:01 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\WOODDALE STATION\E2-WDL-PLM-PLN-110.dwg By: craig



1 EAST PLATFORM PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

N

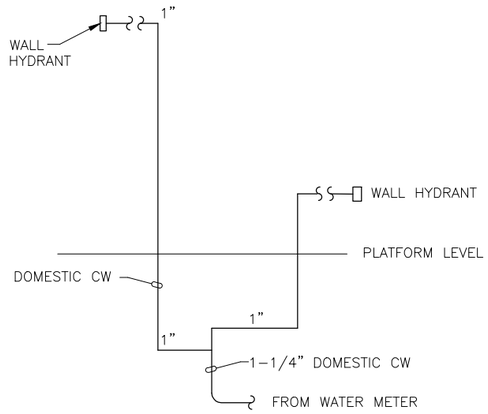
PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
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C. MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
D. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF HEIGHTS AND LAYOUT.
E. REFER TO PLUMBING DETAIL XXX AND VOLUME 7 FOR WATER METER LOCATION AND ENCLOSURE REQUIREMENTS.
F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

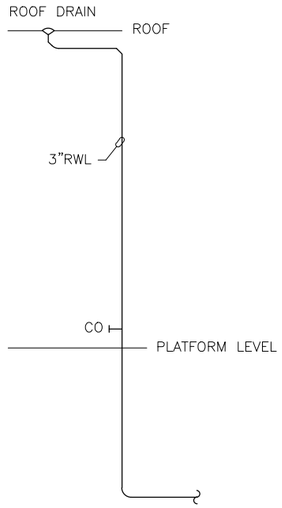
PLUMBING KEY NOTES

1 3" ORD RWL'S DOWN TO 4" PD-1.

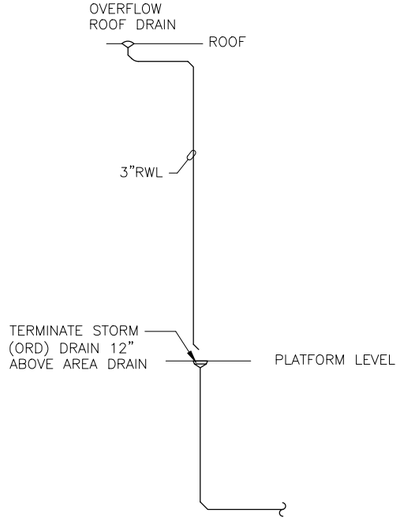
2 3"ø RWL DOWN TO BELOW PLATFORM.



2/111 DOMESTIC WATER RISER DIAGRAM
NO SCALE



1/111 TYPICAL ROOF DRAIN DIAGRAM
NO SCALE



2/111 TYPICAL OVERFLOW ROOF DRAIN DIAGRAM
NO SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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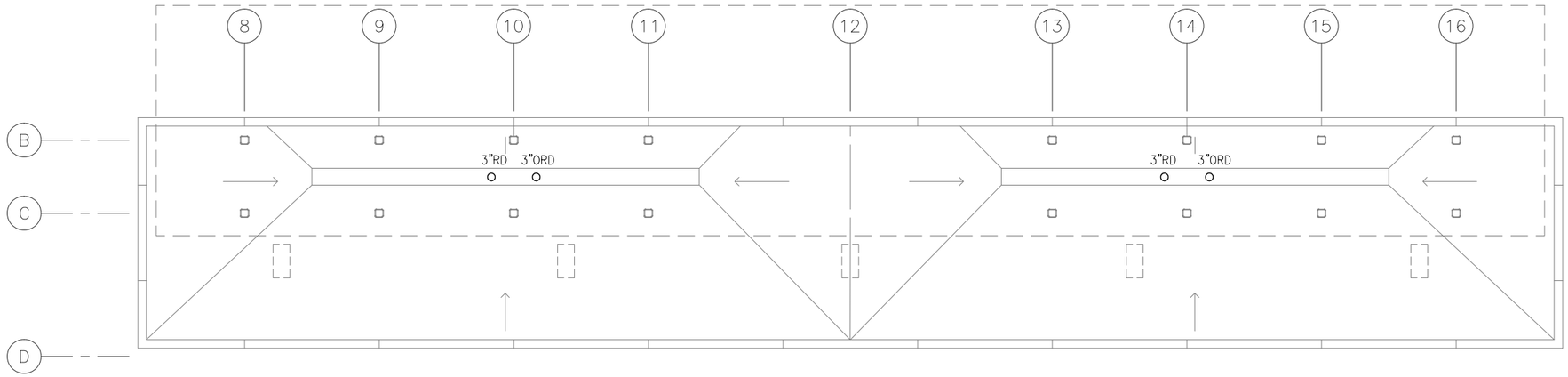
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WOODDALE STATION
EAST PARTIAL PLUMBING PLAN AND RISER DIAGRAMS

DISCIPLINE: PLUMBING
SHEET NAME: E2-WDL-PLM-PLN-111

SHEET 241 OF 510

Jan, 16 2016 03:01 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\WOODDALE STATION\E2-WDL-PLM-PLN-111.dwg By: craig

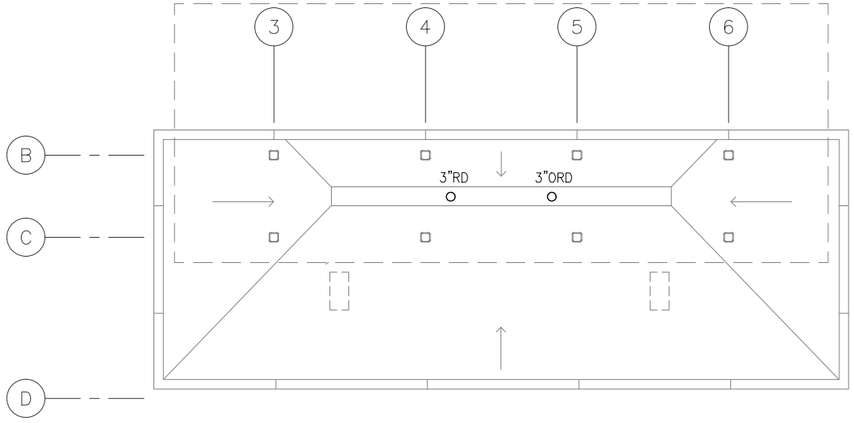


1 MIDDLE ROOF PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

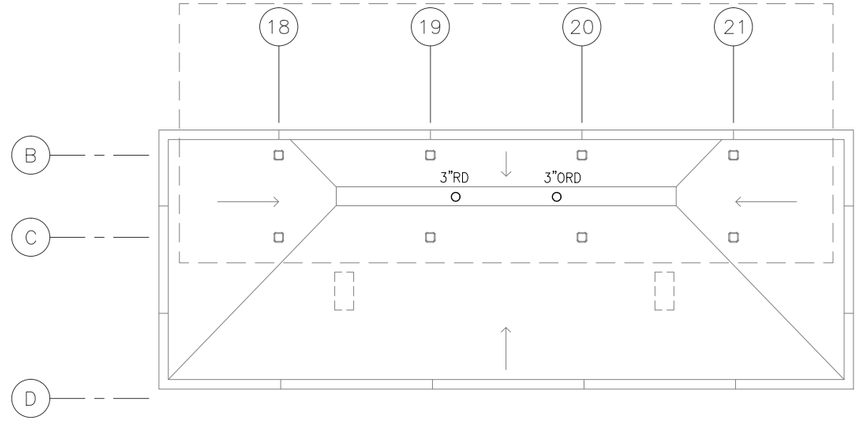
PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
C. MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
D. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF HEIGHTS AND LAYOUT.
E. REFER TO PLUMBING DETAIL XXX AND VOLUME 7 FOR WATER METER LOCATION AND ENCLOSURE REQUIREMENTS.
F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.



2 WEST ROOF PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



3 EAST ROOF PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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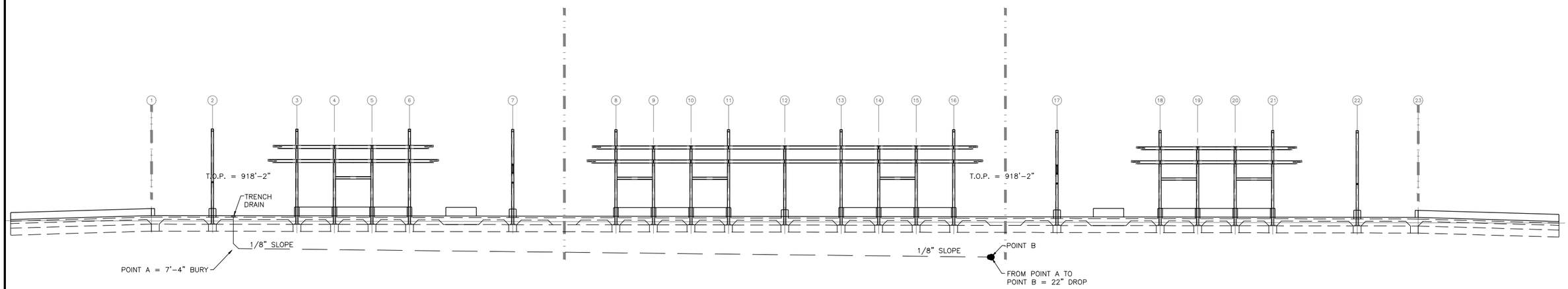
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WOODDALE STATION
LOWER ROOF PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E2-WDL-PLM-PLN-120

SHEET 242 OF 510

Jan, 16 2016 03:01 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\WOODDALE STATION\E2-WDL-PLM-PLN-120.dwg By: craig



1 PLUMBING SECTION
SCALE: 3/64"=1'-0"

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SOUTHWEST Green Line LRT Extension

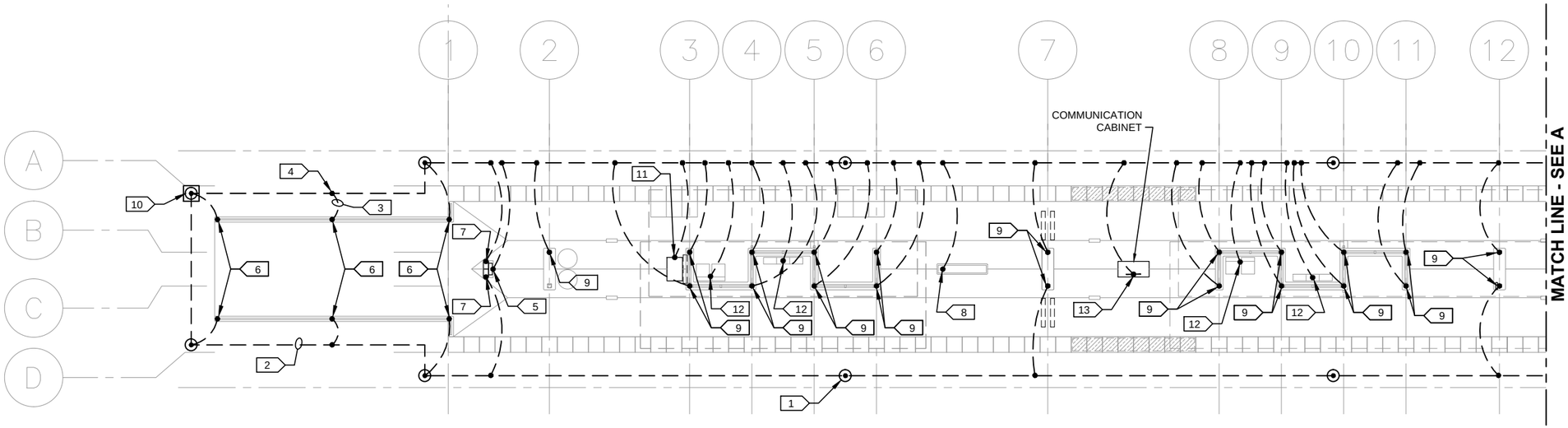
CIVIL - VOLUME 11C
WOODDALE STATION
TYPICAL PLATFORM PLUMBING SECTION

DISCIPLINE: PLUMBING

SHEET NAME: E2-WDL-PLM-SCT-201

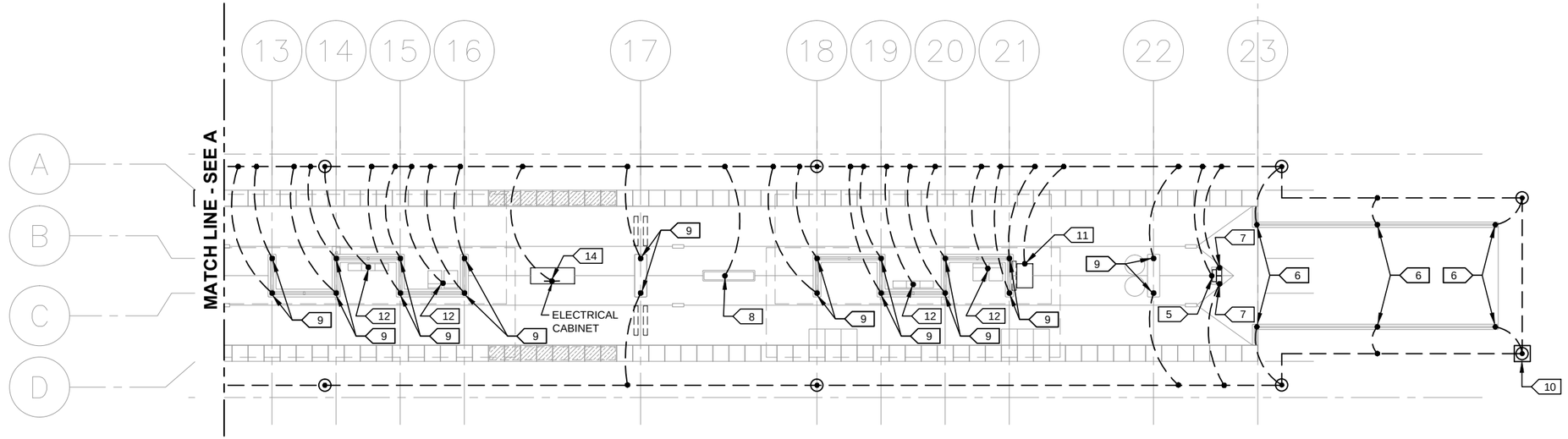
SHEET 243 OF 510

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1 PARTIAL PLATFORM PLAN

SCALE: 1/16"=1'-0"



2 PARTIAL PLATFORM PLAN

SCALE: 1/16"=1'-0"

KEYNOTES:

1. GROUND ROD, TYPICAL.
2. GROUND LOOP, TYPICAL.
3. GEC, TYPICAL.
4. EXOTHERMIC WELD, TYPICAL.
5. GEC CONNECTION TO RIDER ALERT PANEL.
6. GEC CONNECTION TO RAILING POST.
7. GEC CONNECTION TO RSV.
8. GEC CONNECTION TO KIOSK.
9. GEC CONNECTION TO COLUMN.
10. GROUND TEST WELL.
11. GEC CONNECTION TO TVM.
12. GEC CONNECTION TO SEAT OR LEAN RAIL.
13. GEC CONNECTION TO COMMUNICATIONS CABINET GROUND BUS.
14. #3/0 GEC CONNECTION TO ELECTRICAL ENCLOSURE GROUND BUS.

GENERAL NOTES:

1. ALL METALLIC OBJECTS SHALL BE GROUNDED AND THE GROUNDING PLAN IS INTENDED TO DEMONSTRATE THE GROUNDING OF THE PLATFORM, GUIDEWAY AND EQUIPMENT WITHIN THE VICINITY. OBJECTS NOT SHOWN GROUNDED DOES RELIEVE THE CONTRACTOR FROM THE DESIGN INTENT.
2. GROUND LOOP SHALL BE #3/0 BARE COPPER. LOOP SHALL BE INSTALLED 48" BELOW GRADE OR 6" BELOW THE FROST LINE, WHICHEVER IS GREATER. GROUND LOOP IS SHOWN DIAGRAMMATICALLY. INSTALL GROUND LOOP UNDER PLATFORM PERIMETER TO PROTECT FROM WORK PERFORMED OUTSIDE THE PLATFORM LIMITS BY OTHER TRADES. GROUND TEST WELLS SHALL REMAIN ACCESSIBLE AS SHOWN.
3. GROUNDING ELECTRODE CONDUCTORS (GEC) SHALL BE #2/0 BARE COPPER UNLESS NOTED OTHERWISE.
4. ALL EXOTHERMIC WELDS TO COLUMNS, TVM'S, RSV'S, SEATS, LEAN RAILS AND EQUIPMENT CABINETS SHALL BE ABOVE GRADE AND VISIBLE. PAINT WELDS TO MATCH SURFACE COLOR. VERIFY COLOR WITH CAR.
5. INSTALL GROUND ROD SO THAT 8-FT IS BELOW THE FROST LINE.
6. IF RAILING HAS AN ISOLATION GAP, JUMPER BETWEEN GAPS WITH GEC.

0 4 8 16

HORIZONTAL SCALE IN FEET

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SOUTHWEST
Green Line LRT Extension

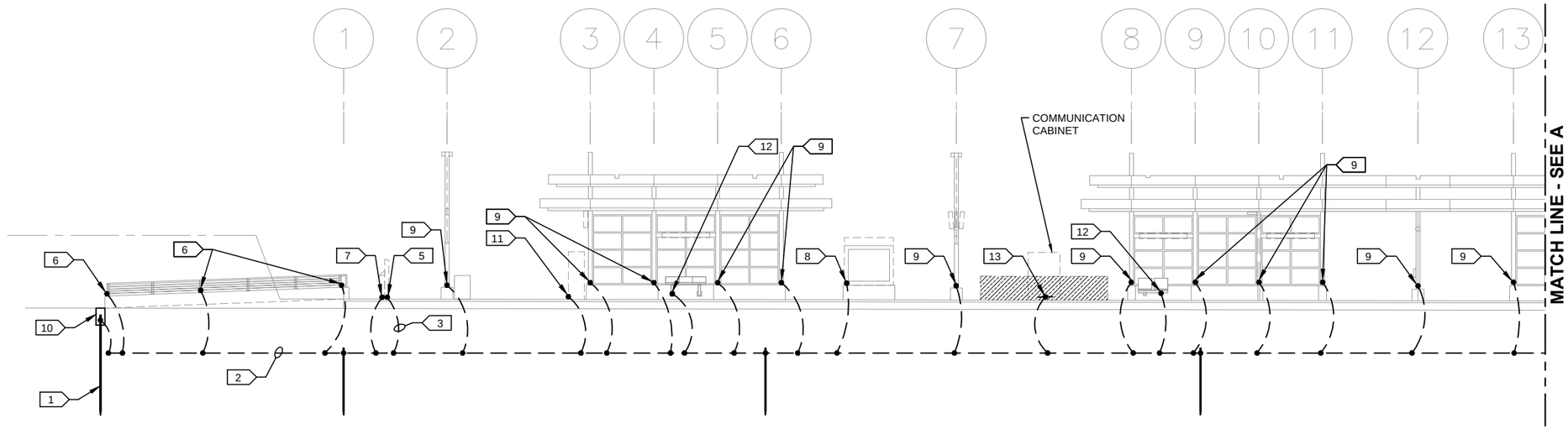
CIVIL - VOLUME 11C
WOODDALE STATION
ELECTRICAL
GROUNDING PLAN

DISCIPLINE: ELECTRICAL

SHEET NAME: E2-WDL-ELE-PLN-201

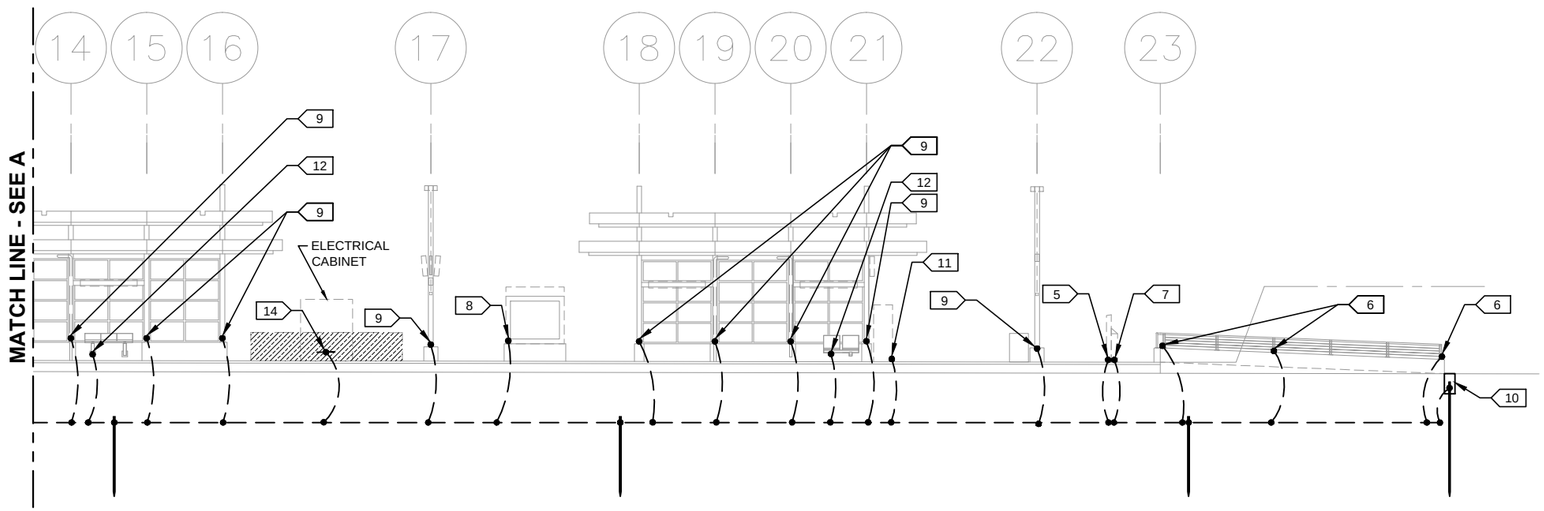
SHEET 244 OF 510

Jan, 18 2016 11:10 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-WDL-ELE-PLN-201.dwg By: FergTK



1 PARTIAL PLATFORM ELEVATION

SCALE: 1/16"=1'-0"



2 PARTIAL PLATFORM ELEVATION

SCALE: 1/16"=1'-0"

KEYNOTES:

1. GROUND ROD, TYPICAL.
2. GROUND LOOP, TYPICAL.
3. GEC, TYPICAL.
4. EXOTHERMIC WELD, TYPICAL.
5. GEC CONNECTION TO RIDER ALERT PANEL.
6. GEC CONNECTION TO RAILING POST.
7. GEC CONNECTION TO RSV.
8. GEC CONNECTION TO KIOSK.
9. GEC CONNECTION TO COLUMN.
10. GROUND TEST WELL.
11. GEC CONNECTION TO TVM.
12. GEC CONNECTION TO SEAT OR LEAN RAIL.
13. GEC CONNECTION TO COMMUNICATIONS CABINET GROUND BUS.
14. #3/0 GEC CONNECTION TO ELECTRICAL ENCLOSURE GROUND BUS.

GENERAL NOTES:

1. ALL METALLIC OBJECTS SHALL BE GROUNDED AND THE GROUNDING PLAN IS INTENDED TO DEMONSTRATE THE GROUNDING OF THE PLATFORM, GUIDEWAY AND EQUIPMENT WITHIN THE VICINITY. OBJECTS NOT SHOWN GROUNDED DOES RELIEVE THE CONTRACTOR FROM THE DESIGN INTENT.
2. GROUND LOOP SHALL BE #3/0 BARE COPPER. LOOP SHALL BE INSTALLED 48" BELOW GRADE OR 6" BELOW THE FROST LINE, WHICHEVER IS GREATER. GROUND LOOP IS SHOWN DIAGRAMMATICALLY. INSTALL GROUND LOOP UNDER PLATFORM PERIMETER TO PROTECT FROM WORK PERFORMED OUTSIDE THE PLATFORM LIMITS BY OTHER TRADES. GROUND TEST WELLS SHALL REMAIN ACCESSIBLE AS SHOWN.
3. GROUNDING ELECTRODE CONDUCTORS (GEC) SHALL BE #2/0 BARE COPPER UNLESS NOTED OTHERWISE.
4. ALL EXOTHERMIC WELDS TO COLUMNS, TVM'S, RSV'S, SEATS, LEAN RAILS AND EQUIPMENT CABINETS SHALL BE ABOVE GRADE AND VISIBLE. PAINT WELDS TO MATCH SURFACE COLOR. VERIFY COLOR WITH CAR.
5. INSTALL GROUND ROD SO THAT 8-FT IS BELOW THE FROST LINE.
6. IF RAILING HAS AN ISOLATION GAP, JUMPER BETWEEN GAPS WITH GEC.

0 4 8 16

HORIZONTAL SCALE IN FEET

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SOUTHWEST Green Line LRT Extension

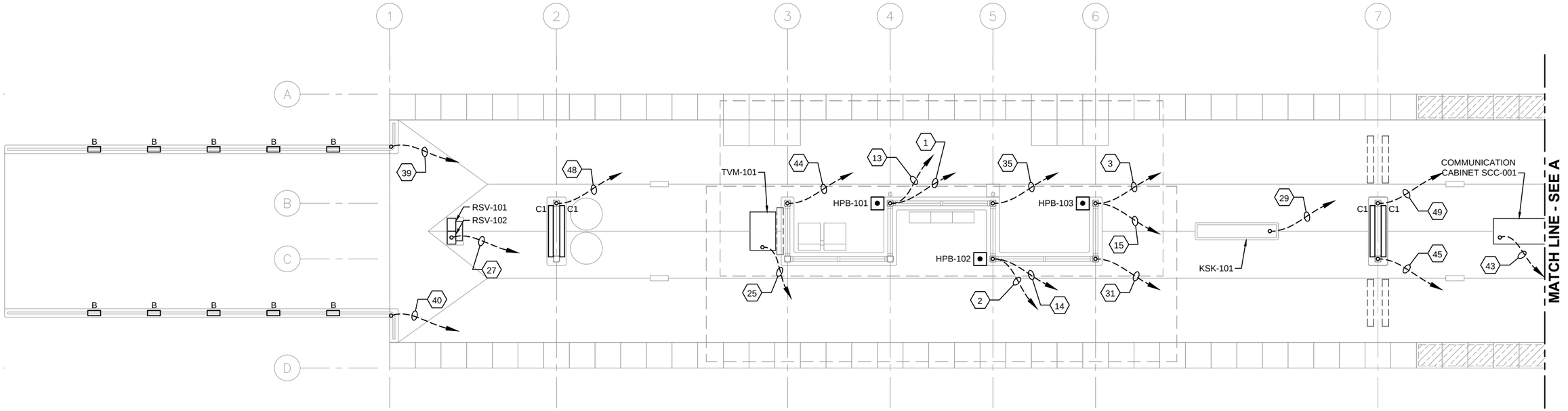
CIVIL - VOLUME 11C
WOODDALE STATION
ELECTRICAL
GROUNDING ELEVATION

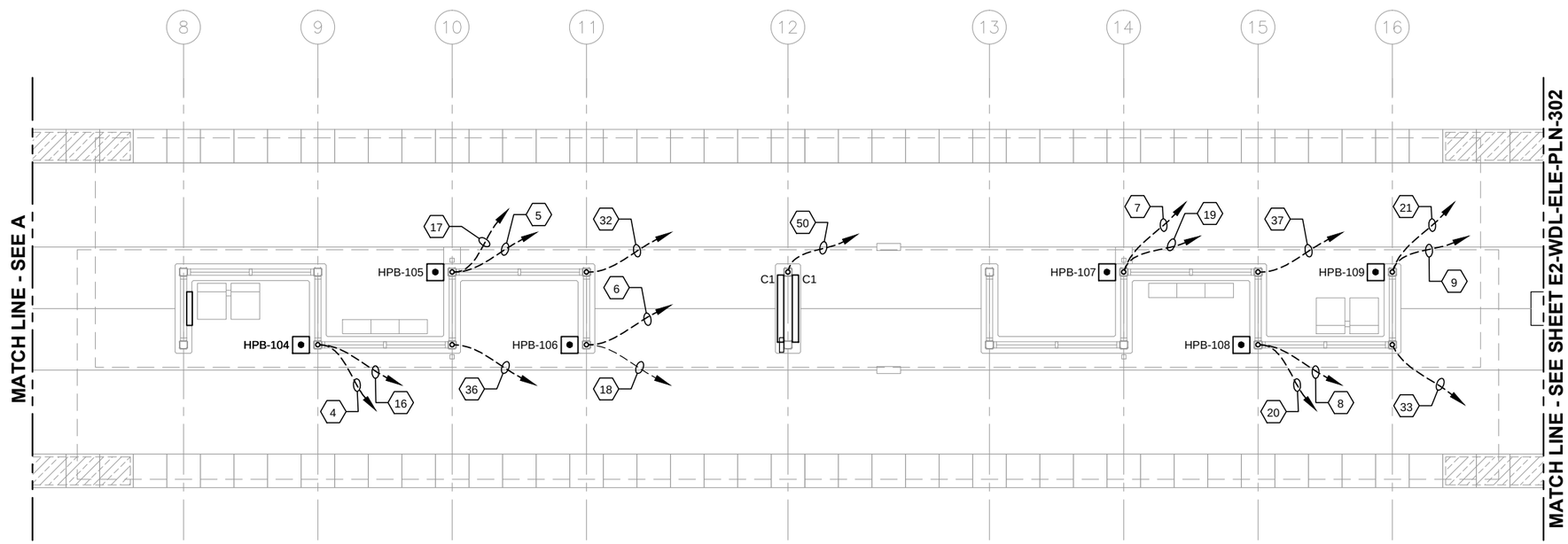
DISCIPLINE: ELECTRICAL

SHEET NAME: E2-WDL-ELE-ELV-202

SHEET 245 OF 510

Jan, 18 2016 11:11 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-WDL-ELE-ELV-202.dwg By: FergTK





GENERAL NOTES:

1. ALL IN SLAB CONDUITS SHALL BE STUBBED UP A MINIMUM OF 8" AFF INTO COLUMNS, POSTS, BOTTOM OF TVM'S AND BOTTOM OF RSV'S.
2. AT CONDUIT STUB-UPS TRANSITION TO 1/2" LFMC FOR PUSH BUTTON CONTROL WIRING AND 3/4" LFMC FOR THE REMAINING.
3. SEE CONDUIT AND WIRE SCHEDULE FOR FROM/TO ROUTING OF CONDUITS.

0 2 4 8
HORIZONTAL
SCALE IN FEET

1 PLATFORM PLAN
SCALE: 1/8"=1'-0"

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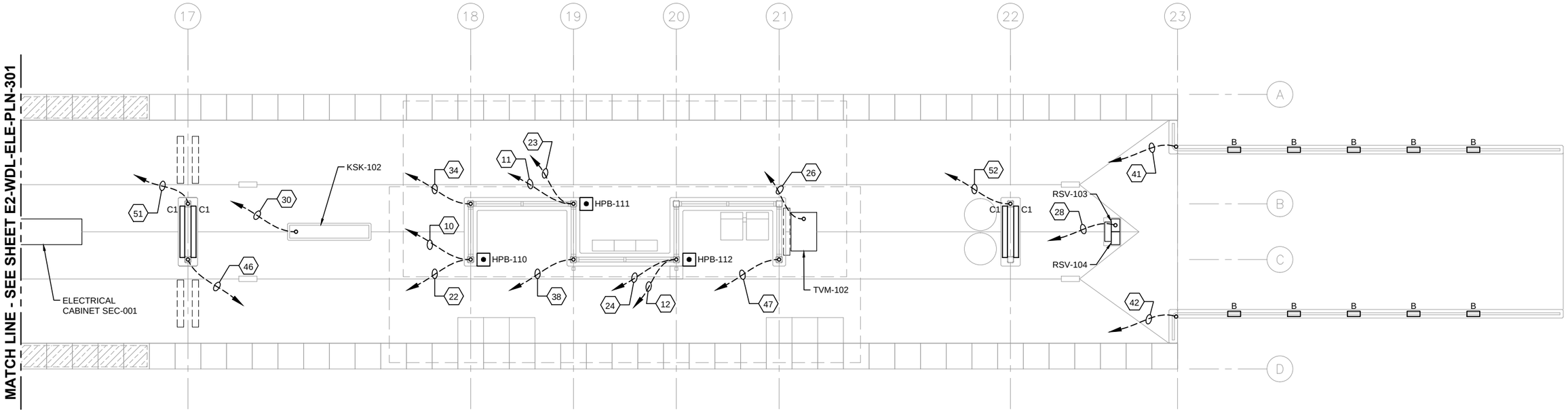
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WOODDALE STATION
ELECTRICAL
UNDERSLAB CONDUIT PLAN (1 OF 2)

DISCIPLINE: ELECTRICAL
SHEET NAME: E2-WDL-ELE-PLN-301

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Jan, 18 2016 11:11 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-WDL-ELE-PLN-301.dwg By: FergTK



1 PLATFORM PLAN

SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. ALL IN SLAB CONDUITS SHALL BE STUBBED UP A MINIMUM OF 8" AFF INTO COLUMNS, POSTS, BOTTOM OF TVM'S AND BOTTOM OF RSV'S.
2. AT CONDUIT STUB-UPS TRANSITION TO 1/2" LFMC FOR PUSH BUTTON CONTROL WIRING AND 3/4" LFMC FOR THE REMAINING.
3. SEE CONDUIT AND WIRE SCHEDULE FOR FROM/TO ROUTING OF CONDUITS.

0 2 4 8
HORIZONTAL SCALE IN FEET

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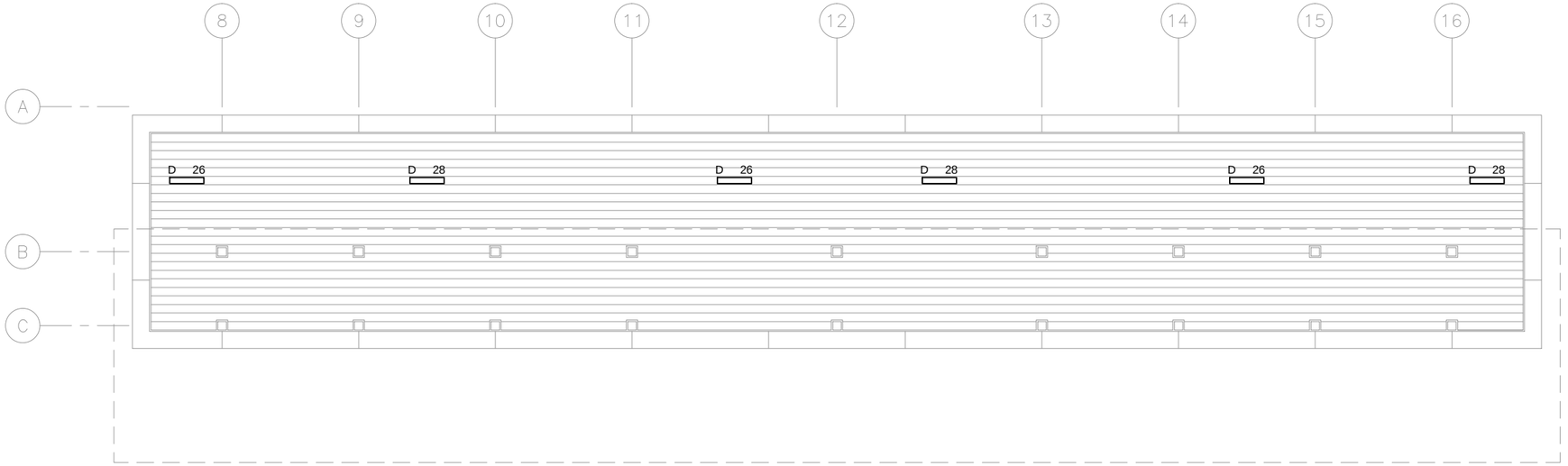
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WOODDALE STATION
ELECTRICAL
UNDERSLAB CONDUIT PLAN (2 OF 2)

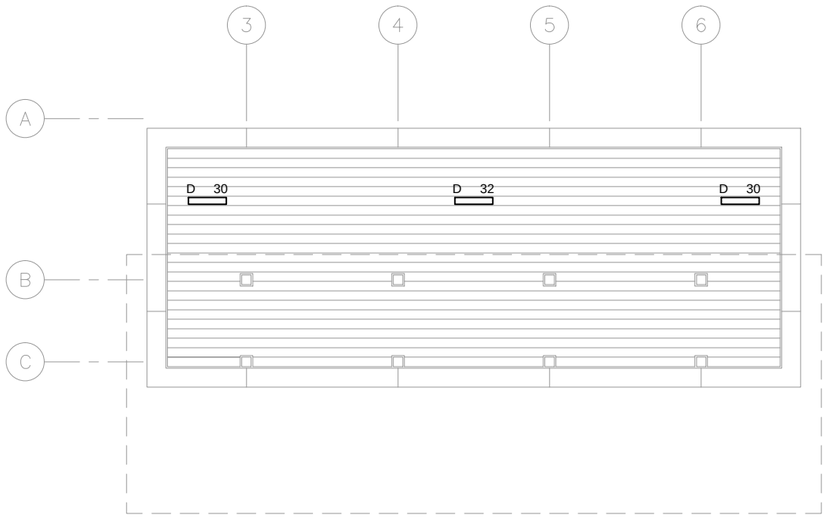
DISCIPLINE: ELECTRICAL
SHEET NAME: E2-WDL-ELE-PLN-302

SHEET 247 OF 510

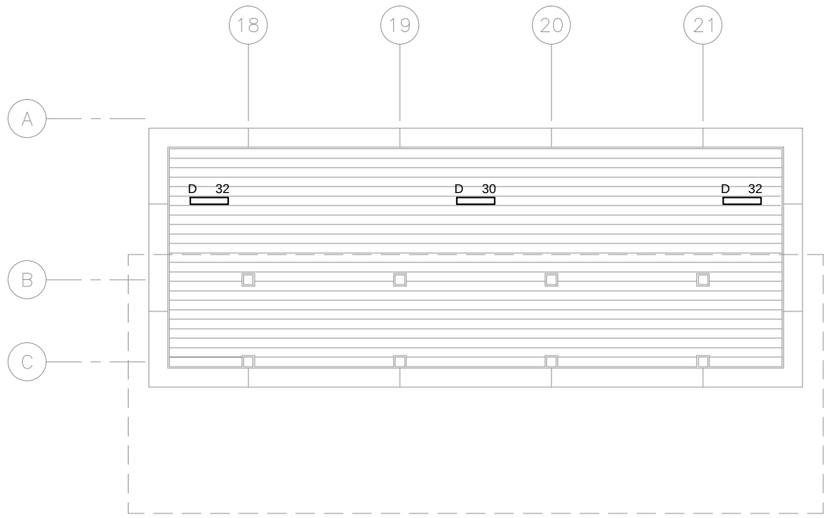
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1 TRACK 1 SIDE CANOPY PLAN – MIDDLE
SCALE: 1/8"=1'–0"



2 TRACK 1 SIDE CANOPY PLAN – WEST END
SCALE: 1/8"=1'–0"



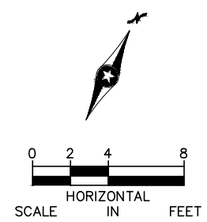
3 TRACK 1 SIDE CANOPY PLAN – EAST END
SCALE: 1/8"=1'–0"

GENERAL NOTES:

1. ALL LIGHTING SHOWN ON THIS SHEET SHALL BE RECESSED MOUNTED IN SOFFIT. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING DETAILS.
2. ALL CONDUIT FOR LIGHT AND TO VMS'S SHALL BE RUN CONCEALED WITHIN SOFFIT AREA.

KEYNOTES:

1.



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SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WOODDALE STATION
ELECTRICAL
CANOPY PLAN - TRACK 1 SIDE

DISCIPLINE: ELECTRICAL
SHEET NAME: E2-WDL-ELE-PLN-303

SHEET 248 OF 510

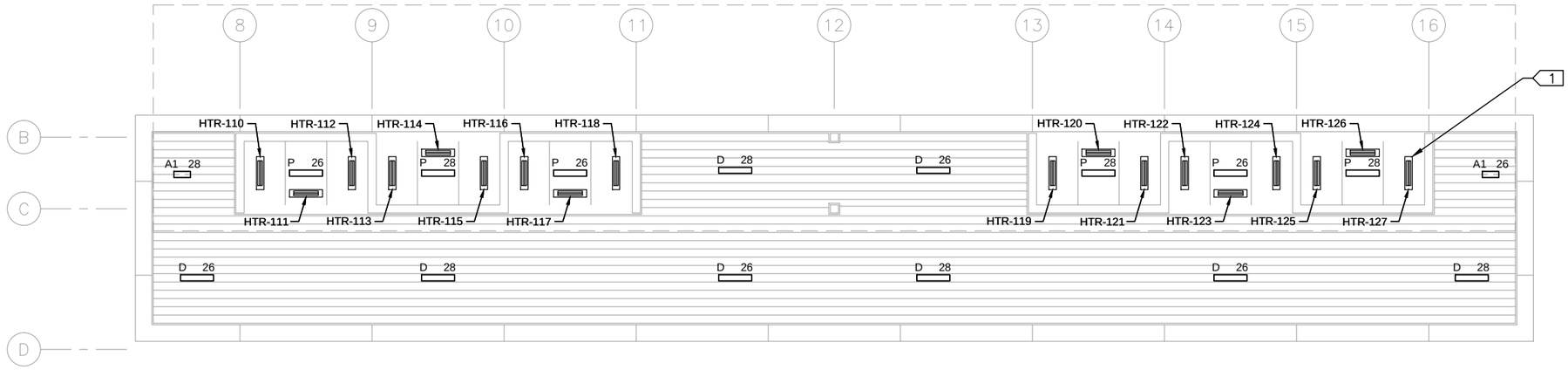
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GENERAL NOTES:

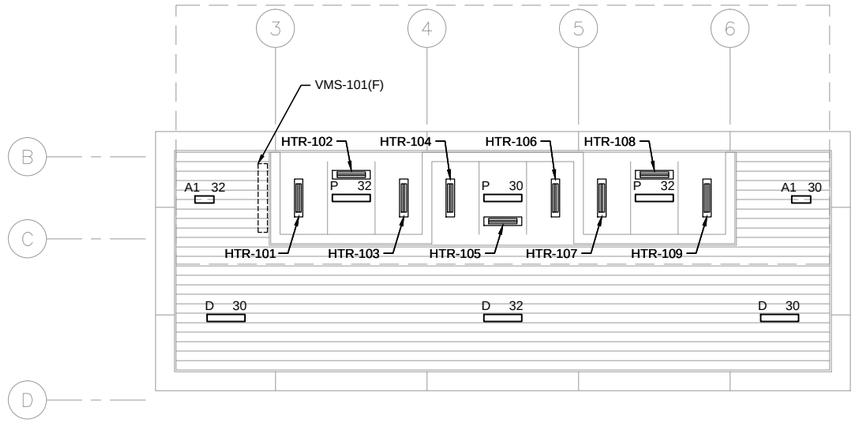
1. ALL LIGHTING SHOWN ON THIS SHEET SHALL BE RECESSED MOUNTED IN SOFFIT. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING DETAILS.
2. ALL CONDUIT FOR LIGHT AND TO VMS'S SHALL BE RUN CONCEALED WITHIN SOFFIT AREA.

KEYNOTES:

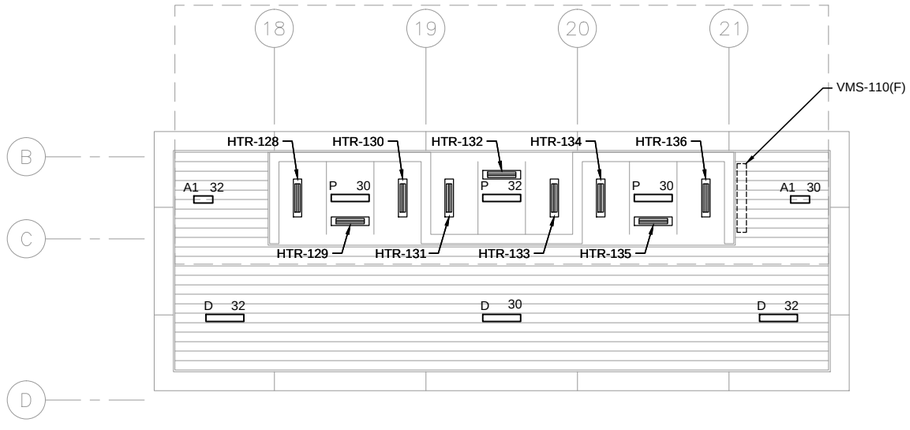
1. REFER TO ARCHITECTURAL DRAWINGS FOR HEATER MOUNTING DETAILS.



1 TRACK 2 SIDE CANOPY PLAN – MIDDLE
SCALE: 1/8"=1'–0"



2 TRACK 2 SIDE CANOPY PLAN – WEST END
SCALE: 1/8"=1'–0"



3 TRACK 2 SIDE CANOPY PLAN – EAST END
SCALE: 1/8"=1'–0"

0 2 4 8
HORIZONTAL SCALE IN FEET

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CIVIL - VOLUME 11C
WOODDALE STATION
ELECTRICAL
CANOPY PLAN - TRACK 2 SIDE

DISCIPLINE: ELECTRICAL
SHEET NAME: E2-WDL-ELE-PLN-304

SHEET 249 OF 510

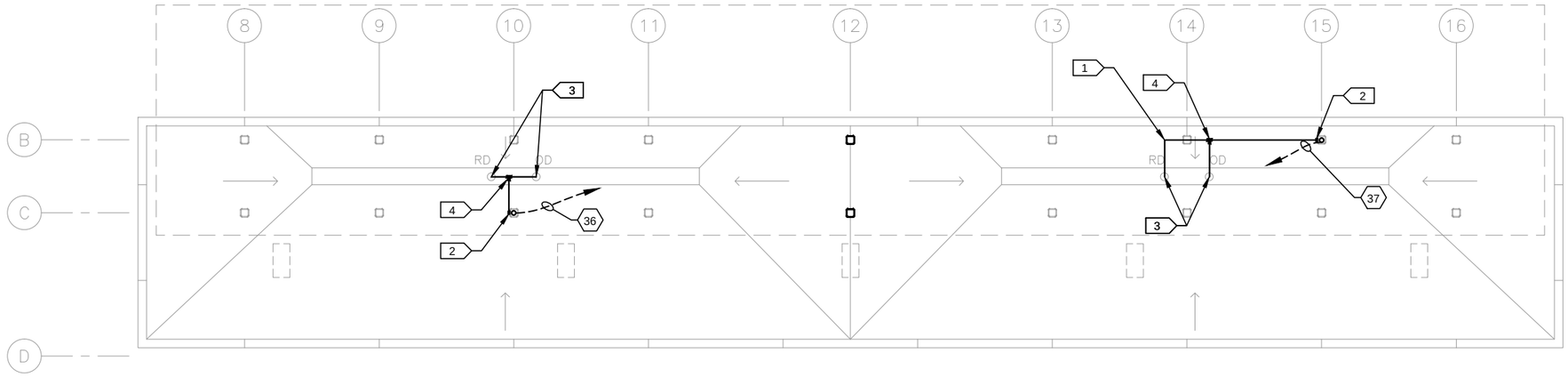
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GENERAL NOTES:

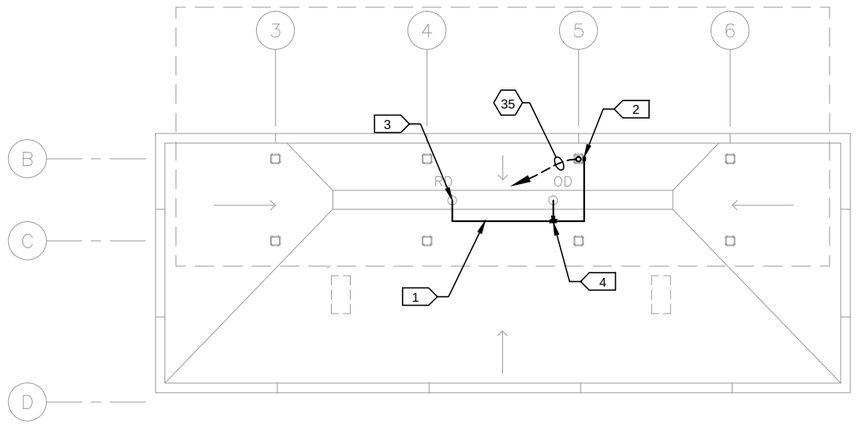
1. HEAT TRACE CONTROL PANEL LOCATED IN SEC-001.

KEYNOTES:

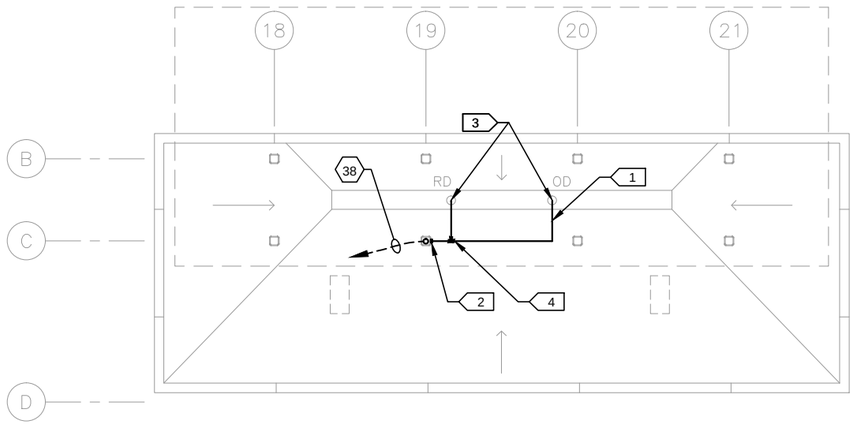
1. SELF REGULATING HEAT TRACE CABLE. ATTACH CABLE TO ROOF WITH CLIPS. COORDINATE CLIP REQUIREMENTS WITH ROOFING CONTRACTOR.
2. POWER CONNECTION KIT WITH DOUBLE HEAT TRACE CABLE CONNECTION. COORDINATE MOUNTING REQUIREMENTS WITH STRUCTURAL STEEL CONTRACTOR.
3. RUN HEAT TRACE DOWN RAIN WATER LEADER 6' BELOW FINISHED FLOOR, PROVIDE CABLE PROTECTION WHERE CABLE ENTERS DRAIN STRAINER.
4. HEAT TRACE SPLICE KIT.



1 ROOF PLAN – MIDDLE LOWER CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE



2 ROOF PLAN – WEST LOWER CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE



3 ROOF PLAN – EAST LOWER CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE

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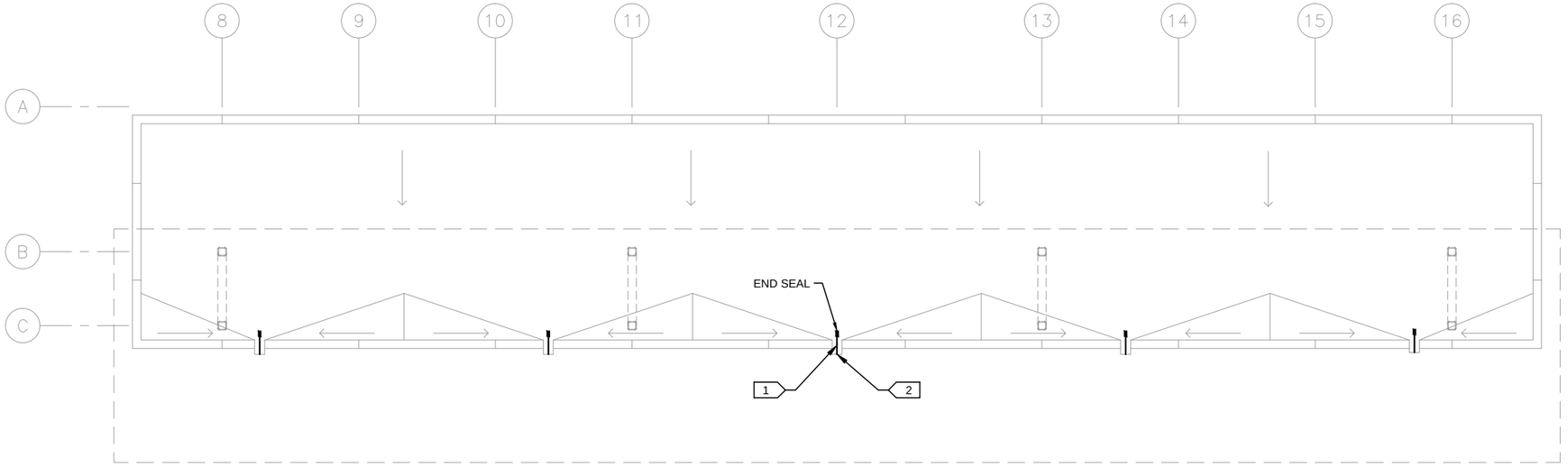
METROPOLITAN COUNCIL
SOUTHWEST
Green Line LRT Extension

CIVIL - VOLUME 11C
WOODDALE STATION
ELECTRICAL
HEAT TRACE PLAN

DISCIPLINE: ELECTRICAL
SHEET NAME: E2-WDL-ELE-PLN-311

SHEET 250 OF 510

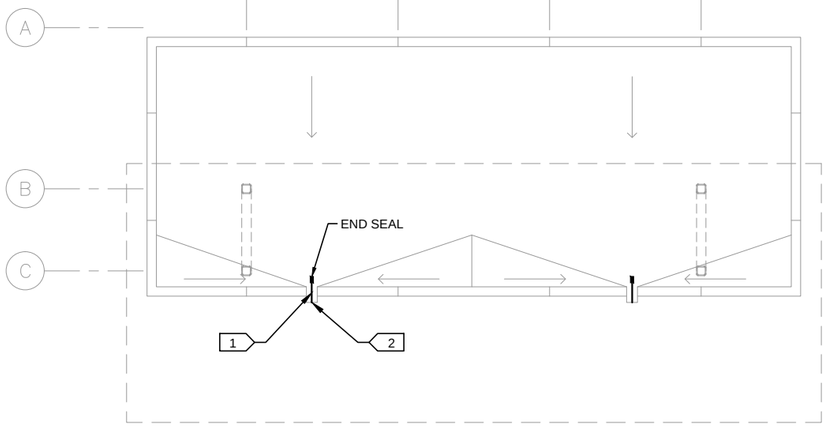
Jan. 18 2016 11:13 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-WDL-ELE-PLN-311.dwg By: FergTK



1 ROOF PLAN – MIDDLE UPPER CANOPY

SCALE: 1/8"=1'-0"

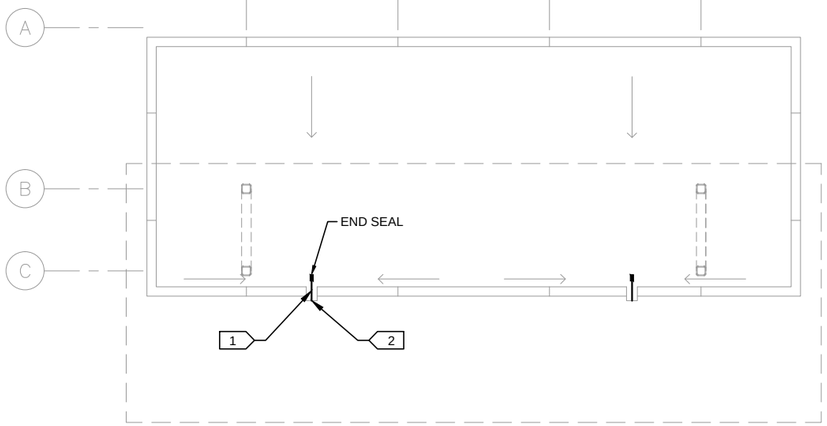
0 2 4 8
SCALE



2 ROOF PLAN – WEST UPPER CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



3 ROOF PLAN – EAST UPPER CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL NOTES:

1. HEAT TRACE CONTROL PANEL LOCATED IN SEC-001.

KEYNOTES:

1. SELF REGULATING HEAT TRACE CABLE. ATTACH CABLE TO ROOF WITH CLIPS. COORDINATE CLIP REQUIREMENTS WITH ROOFING CONTRACTOR.
2. RUN HEAT TRACE POWER CONNECTION BOX ABOVE LOWER CANOPY SCUPPER AT UPPER CANOPY. PROVIDE CABLE PROTECTION WHERE CABLE ENTERS SCUPPER.

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SOUTHWEST
Green Line LRT Extension

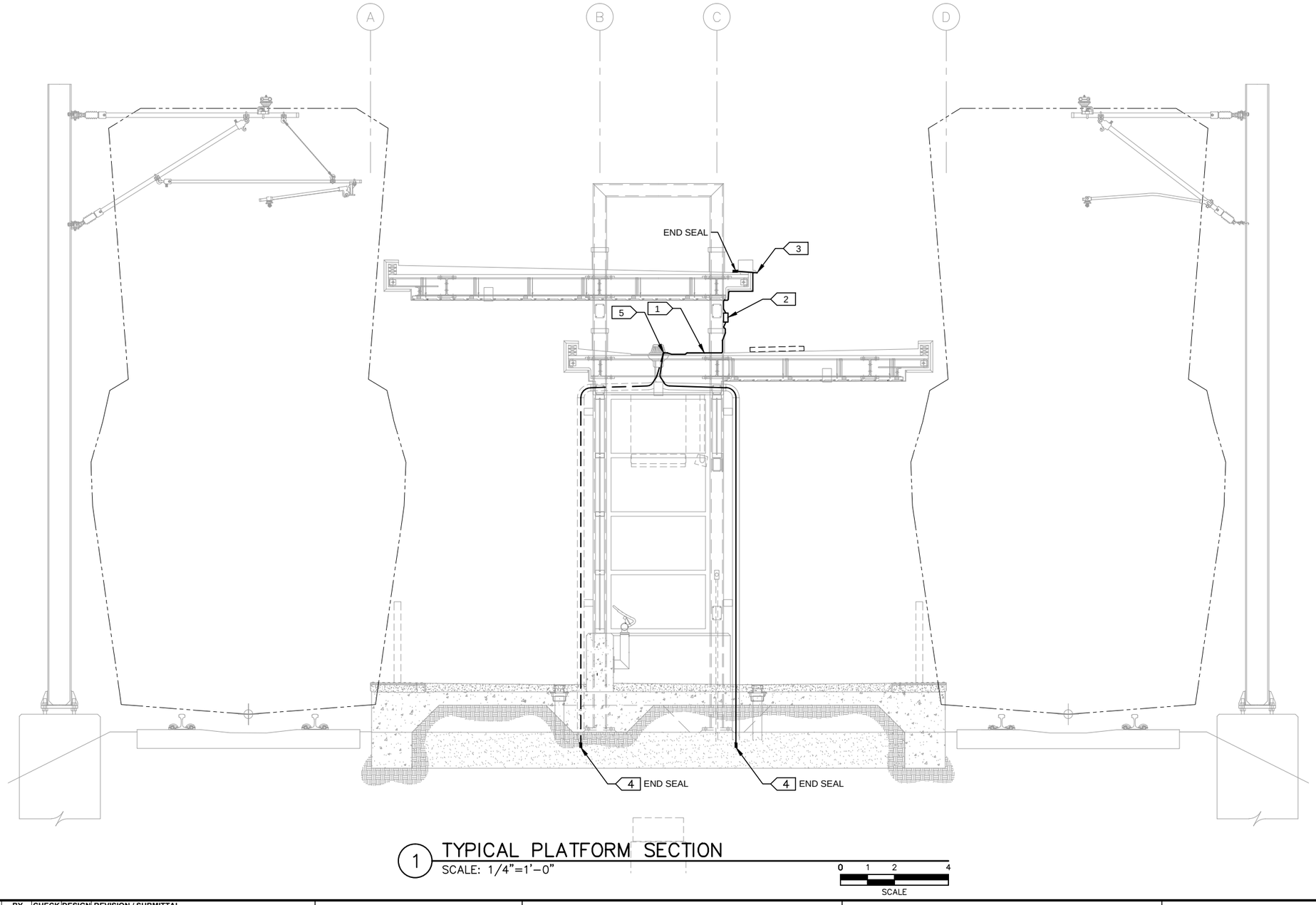
CIVIL - VOLUME 11C
WOODDALE STATION
ELECTRICAL
HEAT TRACE PLAN

DISCIPLINE: ELECTRICAL

SHEET NAME: E2-WDL-ELE-PLN-312

SHEET 251 OF 510

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1 TYPICAL PLATFORM SECTION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

GENERAL NOTES:

1. HEAT TRACE CONTROL PANEL LOCATED IN SEC-001.
2. SEE HEAT TRACE PLAN FOR HEAT TRACE AT ROOFS.

KEYNOTES:

1. SELF REGULATING HEAT TRACE CABLE. ATTACH CABLE TO ROOF WITH CLIPS. COORDINATE CLIP REQUIREMENTS WITH ROOFING CONTRACTOR.
2. POWER CONNECTION KIT WITH DOUBLE HEAT TRACE CABLE CONNECTION, AS REQUIRED. COORDINATE MOUNTING REQUIREMENTS WITH STRUCTURAL STEEL CONTRACTOR.
3. RUN HEAT TRACE TO SCUPPER AT HIGH ROOF. PROVIDE CABLE PROTECTION WHERE CABLE ENTERS SCUPPER.
4. RUN HEAT TRACE DOWN RAIN WATER LEADER 6' BELOW FINISHED FLOOR.
5. PROVIDE CABLE PROTECTION WHERE CABLE ENTERS ROOF DRAIN STRAINERS.

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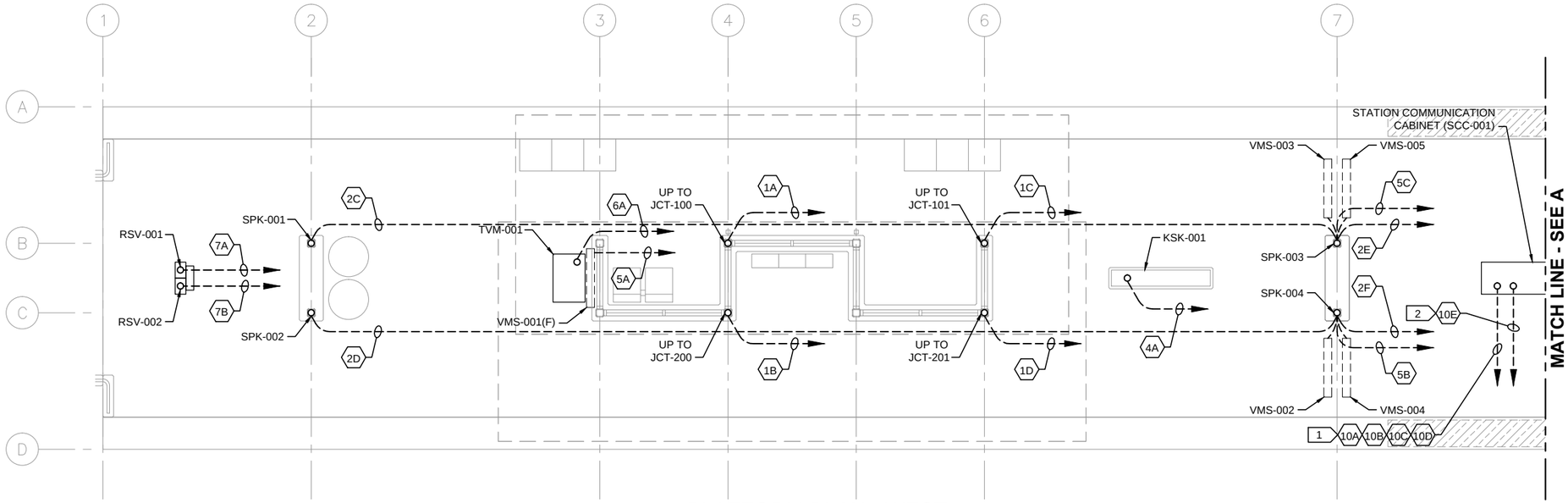
METROPOLITAN COUNCIL
SOUTHWEST
Green Line LRT Extension

CIVIL - VOLUME 11C
WOODDALE STATION
ELECTRICAL
HEAT TRACE ELEVATION

DISCIPLINE: ELECTRICAL
SHEET NAME: E2-WDL-ELE-ELV-321

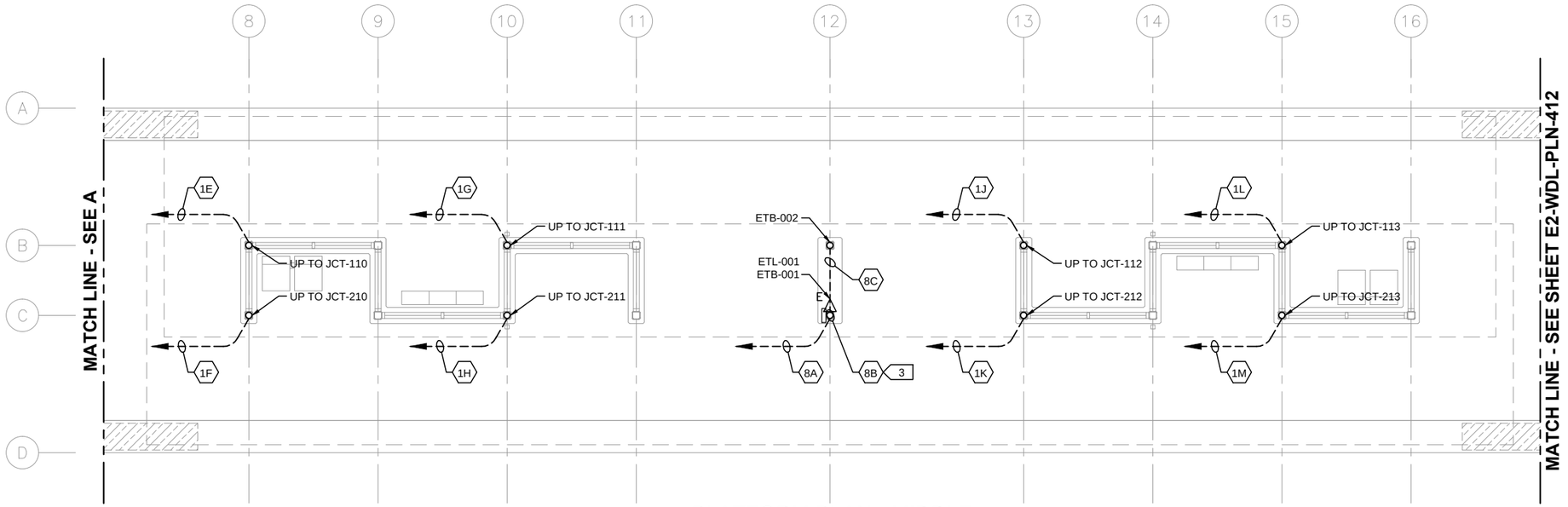
SHEET 252 OF 510

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1 PLATFORM PLAN - WEST

SCALE: 1/8"=1'-0"



2 PLATFORM PLAN - MIDDLE

SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. DASHED LINES WITH AN ARROWHEAD DENOTE HOMERUN TO SCC-001, UNLESS OTHERWISE NOTED.
2. FOR CONDUITS AND DEVICES MOUNTED TO CANOPY, SEE COMMUNICATIONS CANOPY PLAN.
3. SEE SHEETS E2-WDL-ELE-SCH-461 AND E2-WDL-ELE-SCH-462 FOR CONDUIT SCHEDULES.
4. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
5. ALL UNDERSLAB CONDUIT SHALL BE PVC, ALL CONDUIT ABOVE PLATFORM SURFACE SHALL BE GRS.
6. CONDUIT ROUTING SHOWN DIAGRAMMATICALLY.
7. TVMs, RSVs, SPEAKERS, ETEL AND COMMUNICATION CABINET TO BE PROVIDED BY OTHERS; SHOWN FOR REFERENCE ONLY.

KEYNOTES:

1. COMMUNICATIONS CONDUITS TO/FROM STATION SIGNAL-COMMUNICATIONS HOUSE VIA MH-XXXX.
2. CONDUIT TO/FROM STATION-COMMUNICATIONS HOUSE FOR UPS POWER FEED TO SCC-001.
3. CONDUIT AND CABLE FOR ETEL BEACON LIGHT SHALL BE INSTALLED ENTIRELY WITHIN COLUMN.

0 2 4 8

HORIZONTAL SCALE IN FEET

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Green Line LRT Extension

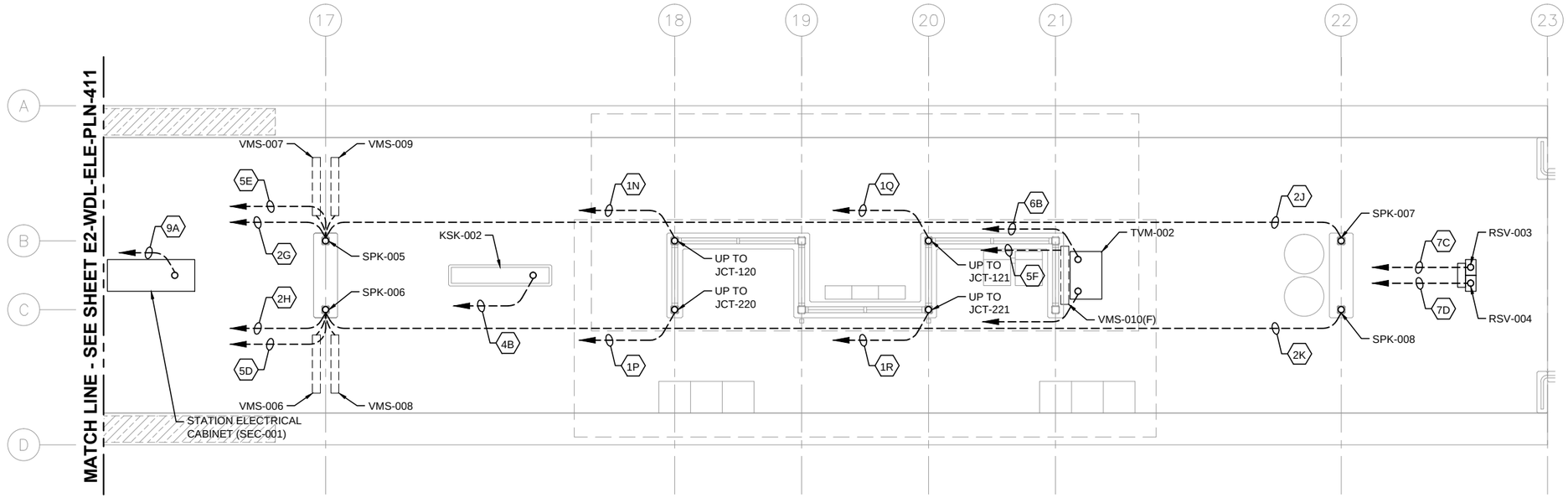
CIVIL - VOLUME 11C
WOODDALE STATION
COMMUNICATIONS
UNDERSLAB CONDUIT PLAN (1 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E2-WDL-ELE-PLN-411

SHEET 253 OF 510

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1 PLATFORM PLAN - EAST

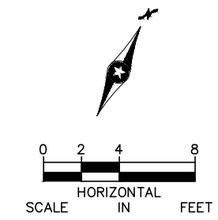
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. DASHED LINES WITH AN ARROWHEAD DENOTE HOMERUN TO SCC-001, UNLESS OTHERWISE NOTED.
2. FOR CONDUITS AND DEVICES MOUNTED TO CANOPY, SEE COMMUNICATIONS CANOPY PLAN.
3. SEE SHEETS E2-WDL-ELE-SCH-461 AND E2-WDL-ELE-SCH-462 FOR CONDUIT SCHEDULES.
4. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
5. ALL UNDERSLAB CONDUIT SHALL BE PVC, ALL CONDUIT ABOVE PLATFORM SURFACE SHALL BE GRS.
6. CONDUIT ROUTING SHOWN DIAGRAMMATICALLY.
7. TVMs, RSVs, SPEAKERS, ETEL AND COMMUNICATION CABINET TO BE PROVIDED BY OTHERS; SHOWN FOR REFERENCE ONLY.

KEYNOTES:

1.



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SOUTHWEST
Green Line LRT Extension

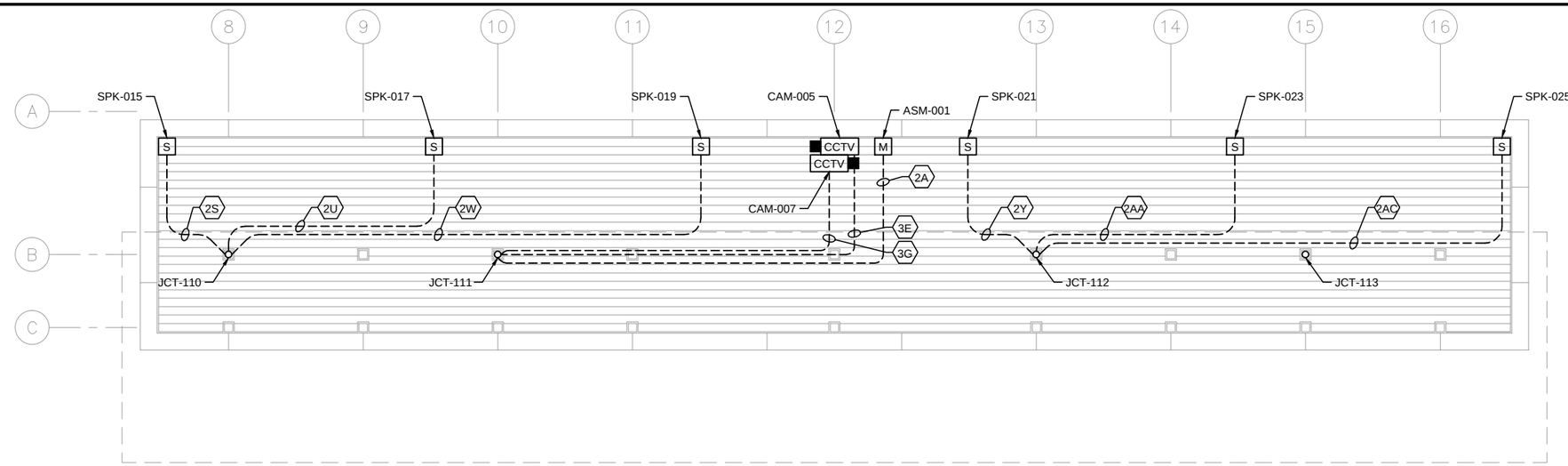
CIVIL - VOLUME 11C
WOODDALE STATION
COMMUNICATIONS
UNDERSLAB CONDUIT PLAN (2 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E2-WDL-ELE-PLN-412

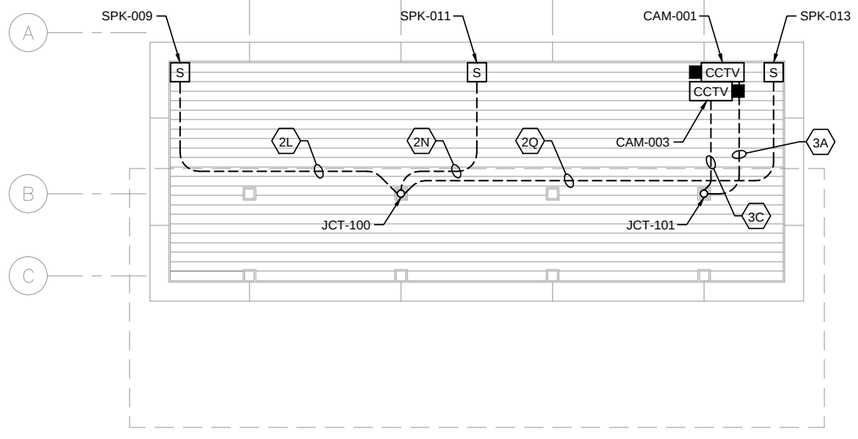
SHEET 254 OF 510

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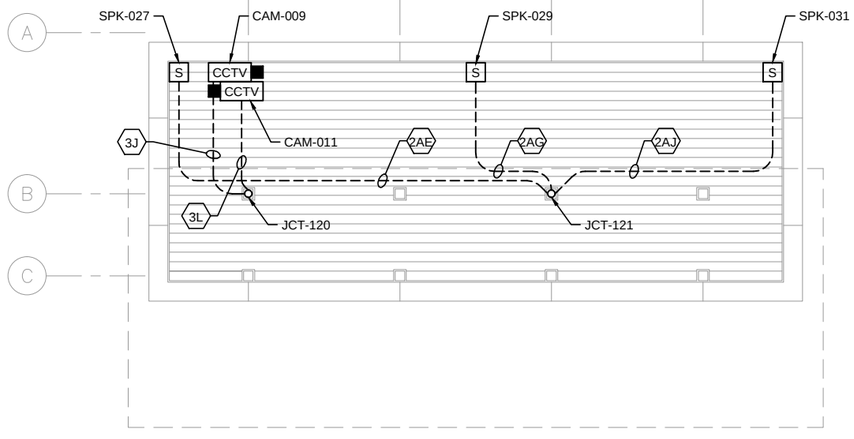
1 TRACK 1 SIDE CANOPY PLAN – MIDDLE

SCALE: 1/8"=1'–0"



2 TRACK 1 SIDE CANOPY PLAN – WEST END

SCALE: 1/8"=1'–0"



3 TRACK 1 SIDE CANOPY PLAN – EAST END

SCALE: 1/8"=1'–0"

GENERAL NOTES:

1. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
2. SEE SHEETS E2-WDL-ELE-SCH-461 AND E2-WDL-ELE-SCH-462 FOR CONDUIT SCHEDULES.
3. ALL CONDUIT SHOWN SHALL BE GRS.
4. CONDUIT SHOWN DIAGRAMMATICALLY.
5. CCTV CAMERAS AND MICROPHONE SHOWN FOR REFERENCE ONLY; WILL BE PROVIDED BY OTHERS.

KEYNOTES:

1.

0 2 4 8
HORIZONTAL SCALE IN FEET

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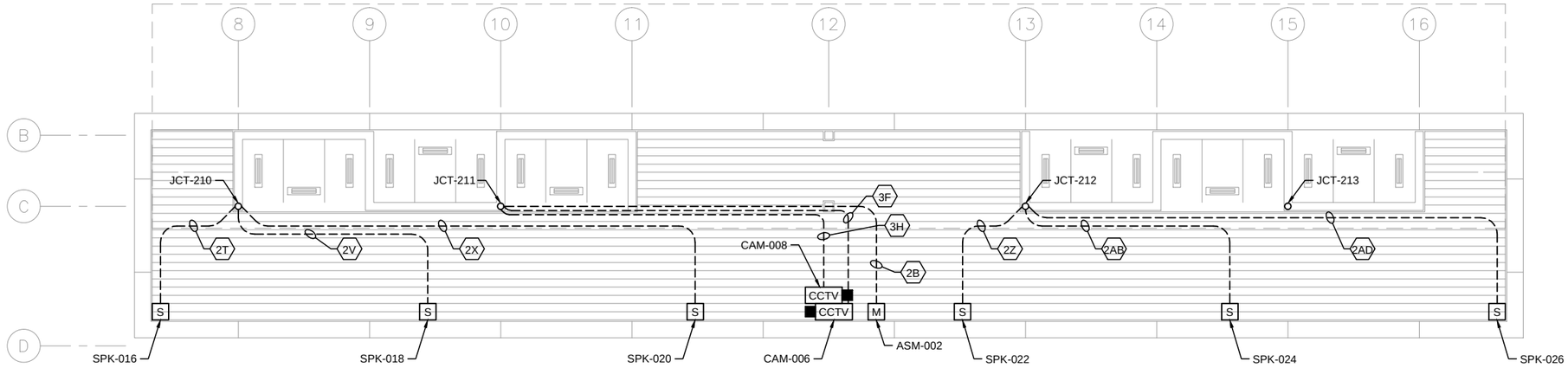
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WOODDALE STATION
COMMUNICATIONS
CANOPY PLAN - TRACK 1 SIDE

DISCIPLINE: ELECTRICAL
SHEET NAME: E2-WDL-ELE-PLN-421

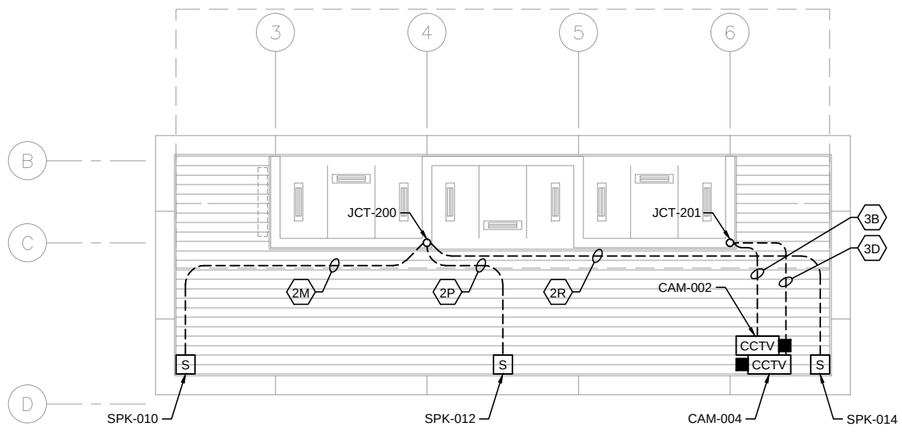
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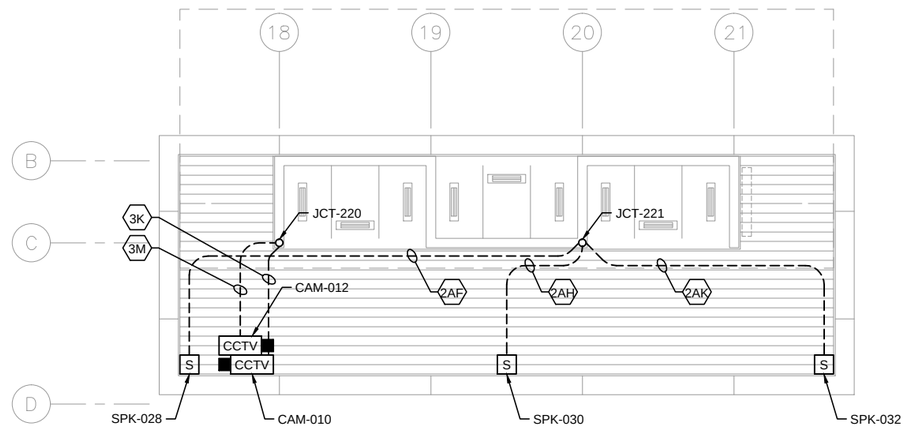
1 TRACK 2 SIDE CANOPY PLAN – MIDDLE

SCALE: 1/8"=1'–0"



2 TRACK 2 SIDE CANOPY PLAN – WEST END

SCALE: 1/8"=1'–0"



3 TRACK 2 SIDE CANOPY PLAN – EAST END

SCALE: 1/8"=1'–0"

GENERAL NOTES:

1. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
2. SEE SHEETS E2-WDL-ELE-SCH-461 AND E2-WDL-ELE-SCH-462 FOR CONDUIT SCHEDULES.
3. ALL CONDUIT SHOWN SHALL BE GRS.
4. CONDUIT SHOWN DIAGRAMMATICALLY.
5. CCTV CAMERAS AND MICROPHONE SHOWN FOR REFERENCE ONLY; WILL BE PROVIDED BY OTHERS.

KEYNOTES:

1.

0 2 4 8
HORIZONTAL SCALE IN FEET

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SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WOODDALE STATION
COMMUNICATIONS
CANOPY PLAN - TRACK 2 SIDE

DISCIPLINE: ELECTRICAL
SHEET NAME: E2-WDL-ELE-PLN-422

SHEET 256 OF 510

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GENERAL NOTES:

1. CONDUIT NUMBERS CORRELATE TO ⬡ NUMBERS ON PLAN SHEETS AND ELEVATIONS.
2. SEE PLAN AND ELEVATION SHEETS FOR LOCATIONS OF CONDUITS.

WOODDALE STATION COMMUNICATION CONDUIT AND CABLE SCHEDULE

CONDUIT NO.	DEVICE ID	DESCRIPTION/USE	FROM	TO	CONDUIT SIZE
10A	WDL -CON-0001	S/C HOUSE TO SCC-001	S/C MANHOLE	WDL -SCC-001	3"
10B	WDL -CON-0002	S/C HOUSE TO SCC-001	S/C MANHOLE	WDL -SCC-001	3"
10C	WDL -CON-0003	S/C HOUSE TO SCC-001	S/C MANHOLE	WDL -SCC-001	3"
10D	WDL -CON-0004	S/C HOUSE TO SCC-001	S/C MANHOLE	WDL -SCC-001	3"
10E	WDL -CON-0005	UPS POWER FEED: SCH TO SCC	WDL -SCH-001	WDL -SCC-001	3"
1A	WDL -CON-0101	SCC TO JUNCTION 100	WDL -SCC-001	WDL -JCT-100	2"
1B	WDL -CON-0102	SCC TO JUNCTION 200	WDL -SCC-001	WDL -JCT-200	2"
1C	WDL -CON-0103	SCC TO JUNCTION 101	WDL -SCC-001	WDL -JCT-101	2"
1D	WDL -CON-0104	SCC TO JUNCTION 201	WDL -SCC-001	WDL -JCT-201	2"
1E	WDL -CON-0105	SCC TO JUNCTION 110	WDL -SCC-001	WDL -JCT-110	2"
1F	WDL -CON-0106	SCC TO JUNCTION 210	WDL -SCC-001	WDL -JCT-210	2"
1G	WDL -CON-0107	SCC TO JUNCTION 111	WDL -SCC-001	WDL -JCT-111	2"
1H	WDL -CON-0108	SCC TO JUNCTION 211	WDL -SCC-001	WDL -JCT-211	2"
1J	WDL -CON-0109	SCC TO JUNCTION 112	WDL -SCC-001	WDL -JCT-112	2"
1K	WDL -CON-0110	SCC TO JUNCTION 212	WDL -SCC-001	WDL -JCT-212	2"
1L	WDL -CON-0111	SCC TO JUNCTION 113	WDL -SCC-001	WDL -JCT-113	2"
1M	WDL -CON-0112	SCC TO JUNCTION 213	WDL -SCC-001	WDL -JCT-213	2"
1N	WDL -CON-0113	SCC TO JUNCTION 120	WDL -SCC-001	WDL -JCT-120	2"
1P	WDL -CON-0114	SCC TO JUNCTION 220	WDL -SCC-001	WDL -JCT-220	2"
1Q	WDL -CON-0115	SCC TO JUNCTION 121	WDL -SCC-001	WDL -JCT-121	2"
1R	WDL -CON-0116	SCC TO JUNCTION 221	WDL -SCC-001	WDL -JCT-221	2"
2A	WDL -CON-0201	MICROPHONE 1 - NOISE SENSING	WDL -JCT-111	WDL -ASM-001	1"
2B	WDL -CON-0202	MICROPHONE 2 - NOISE SENSING	WDL -JCT-211	WDL -ASM-002	1"
2C	WDL -CON-0203	SPEAKER 1 - POLE	WDL -SPK-003	WDL -SPK-001	1-1/2"
2D	WDL -CON-0204	SPEAKER 2 - POLE	WDL -SPK-004	WDL -SPK-002	1-1/2"
2E	WDL -CON-0205	SPEAKER 3 - POLE	WDL -SCC-001	WDL -SPK-003	1-1/2"
2F	WDL -CON-0206	SPEAKER 4 - POLE	WDL -SCC-001	WDL -SPK-004	1-1/2"
2G	WDL -CON-0207	SPEAKER 5 - POLE	WDL -SCC-001	WDL -SPK-005	1-1/2"
2H	WDL -CON-0208	SPEAKER 6 - POLE	WDL -SCC-001	WDL -SPK-006	1-1/2"
2J	WDL -CON-0209	SPEAKER 7 - POLE	WDL -SPK-005	WDL -SPK-007	1-1/2"
2K	WDL -CON-0210	SPEAKER 8 - POLE	WDL -SPK-006	WDL -SPK-008	1-1/2"
2L	WDL -CON-0211	SPEAKER 9 - CANOPY	WDL -JCT-100	WDL -SPK-009	1"
2M	WDL -CON-0212	SPEAKER 10 - CANOPY	WDL -JCT-200	WDL -SPK-010	1"
2N	WDL -CON-0213	SPEAKER 11 - CANOPY	WDL -JCT-100	WDL -SPK-011	1"
2P	WDL -CON-0214	SPEAKER 12 - CANOPY	WDL -JCT-200	WDL -SPK-012	1"
2Q	WDL -CON-0215	SPEAKER 13 - CANOPY	WDL -JCT-100	WDL -SPK-013	1"
2R	WDL -CON-0216	SPEAKER 14 - CANOPY	WDL -JCT-200	WDL -SPK-014	1"
2S	WDL -CON-0217	SPEAKER 15 - CANOPY	WDL -JCT-110	WDL -SPK-015	1"
2T	WDL -CON-0218	SPEAKER 16 - CANOPY	WDL -JCT-210	WDL -SPK-016	1"
2U	WDL -CON-0219	SPEAKER 17 - CANOPY	WDL -JCT-110	WDL -SPK-017	1"
2V	WDL -CON-0220	SPEAKER 18 - CANOPY	WDL -JCT-210	WDL -SPK-018	1"
2W	WDL -CON-0221	SPEAKER 19 - CANOPY	WDL -JCT-110	WDL -SPK-019	1"
2X	WDL -CON-0222	SPEAKER 20 - CANOPY	WDL -JCT-210	WDL -SPK-020	1"
2Y	WDL -CON-0223	SPEAKER 21 - CANOPY	WDL -JCT-112	WDL -SPK-021	1"
2Z	WDL -CON-0224	SPEAKER 22 - CANOPY	WDL -JCT-212	WDL -SPK-022	1"
2AA	WDL -CON-0225	SPEAKER 23 - CANOPY	WDL -JCT-112	WDL -SPK-023	1"
2AB	WDL -CON-0226	SPEAKER 24 - CANOPY	WDL -JCT-212	WDL -SPK-024	1"
2AC	WDL -CON-0227	SPEAKER 25 - CANOPY	WDL -JCT-112	WDL -SPK-025	1"
2AD	WDL -CON-0228	SPEAKER 26 - CANOPY	WDL -JCT-212	WDL -SPK-026	1"
2AE	WDL -CON-0229	SPEAKER 27 - CANOPY	WDL -JCT-121	WDL -SPK-027	1"
2AF	WDL -CON-0230	SPEAKER 28 - CANOPY	WDL -JCT-221	WDL -SPK-028	1"
2AG	WDL -CON-0231	SPEAKER 29 - CANOPY	WDL -JCT-121	WDL -SPK-029	1"
2AH	WDL -CON-0232	SPEAKER 30 - CANOPY	WDL -JCT-221	WDL -SPK-030	1"
2AJ	WDL -CON-0233	SPEAKER 31 - CANOPY	WDL -JCT-121	WDL -SPK-031	1"
2AK	WDL -CON-0234	SPEAKER 32 - CANOPY	WDL -JCT-221	WDL -SPK-032	1"

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METROPOLITAN COUNCIL SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WOODDALE STATION
COMMUNICATIONS
CONDUIT SCHEDULE (1 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E2-WDL-ELE-SCH-461

WOODDALE STATION COMMUNICATION CONDUIT AND CABLE SCHEDULE					
CONDUIT NO.	DEVICE ID	DESCRIPTION/USE	FROM	TO	CONDUIT SIZE
3A	WDL -CON-0301	CAMERA 1	WDL -JCT-101	WDL CAM-001	1"
3B	WDL -CON-0302	CAMERA 2	WDL -JCT-201	WDL CAM-002	1"
3C	WDL -CON-0303	CAMERA 3	WDL -JCT-101	WDL CAM-003	1"
3D	WDL -CON-0304	CAMERA 4	WDL -JCT-201	WDL CAM-004	1"
3E	WDL -CON-0305	CAMERA 5	WDL -JCT-111	WDL CAM-005	1"
3F	WDL -CON-0306	CAMERA 6	WDL -JCT-211	WDL CAM-006	1"
3G	WDL -CON-0307	CAMERA 7	WDL -JCT-111	WDL CAM-007	1"
3H	WDL -CON-0308	CAMERA 8	WDL -JCT-211	WDL CAM-008	1"
3J	WDL -CON-0309	CAMERA 9	WDL -JCT-120	WDL CAM-009	1"
3K	WDL -CON-0310	CAMERA 10	WDL -JCT-220	WDL CAM-010	1"
3L	WDL -CON-0311	CAMERA 11	WDL -JCT-120	WDL CAM-011	1"
3M	WDL -CON-0312	CAMERA 12	WDL -JCT-220	WDL CAM-012	1"
4A	WDL -CON-0401	KIOSK 1 (F)	WDL -SCC-001	WDL -KSK-001	2"
4B	WDL -CON-0402	KIOSK 2 (F)	WDL -SCC-001	WDL -KSK-002	2"
5A	WDL -CON-0501	VMS 1 (F)	WDL -SCC-001	WDL -VMS-001	1"
5B	WDL -CON-0502	VMS 2, VMS 3	WDL -SCC-001	WDL -VMS-002, -VMS-003	1-1/2"
5C	WDL -CON-0503	VMS 4, VMS 5	WDL -SCC-001	WDL -VMS-004, -VMS-005	1-1/2"
5D	WDL -CON-0504	VMS 6, VMS 7	WDL -SCC-001	WDL -VMS-006, -VMS-007	1-1/2"
5E	WDL -CON-0505	VMS 8, VMS 9	WDL -SCC-001	WDL -VMS-008, -VMS-009	1-1/2"
5F	WDL -CON-0506	VMS 10 (F)	WDL -SCC-001	WDL -VMS-010	1"
6A	WDL -CON-0601	TVM 1	WDL -SCC-001	WDL -TVM-001	2"
6B	WDL -CON-0602	TVM 2	WDL -SCC-001	WDL -TVM-002	2"
7A	WDL -CON-0701	VALIDATOR 1	WDL -SCC-001	WDL -RSV-001	1-1/2"
7B	WDL -CON-0702	VALIDATOR 2	WDL -SCC-001	WDL -RSV-002	1-1/2"
7C	WDL -CON-0703	VALIDATOR 3	WDL -SCC-001	WDL -RSV-003	1-1/2"
7D	WDL -CON-0704	VALIDATOR 4	WDL -SCC-001	WDL -RSV-004	1-1/2"
8A	WDL -CON-0801	EMERGENCY TELEPHONE 1 - PHONE	WDL -SCC-001	WDL -ETL-001	1-1/2"
8B	WDL -CON-0802	EMERGENCY TELEPHONE 1 - BEACON LIGHT 1	WDL -ETL-001	WDL -ETB-001	1"
8C	WDL -CON-0803	EMERGENCY TELEPHONE 1 - BEACON LIGHT 2	WDL -ETL-001	WDL -ETB-002	1"
9A	WDL -CON-0901	STATION ELECTRICAL CABINET	WDL -SCC-001	WDL -SEC-001	2"

GENERAL NOTES:

1. CONDUIT NUMBERS CORRELATE TO ⬡ NUMBERS ON PLAN SHEETS AND ELEVATIONS.
2. SEE PLAN AND ELEVATION SHEETS FOR LOCATIONS OF CONDUITS.

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WOODDALE STATION
COMMUNICATIONS
CONDUIT SCHEDULE (2 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E2-WDL-ELE-SCH-462

SHEET 258 OF 510

WOODDALE CONDUIT AND WIRE SCHEDULE

CONDUIT NUMBER	SIZE	WIRE	FROM	TO	REMARKS	NOTES
1	1"	2#8, 1#10G	HEATERS HTR-101, 102, 103	PANELBOARD LP1A	POWER TO HEATERS	
2	1"	2#8, 1#10G	HEATERS HTR-104, 105, 106	PANELBOARD LP1A	POWER TO HEATERS	
3	1"	2#8, 1#10G	HEATERS HTR-107, 108, 109	PANELBOARD LP1A	POWER TO HEATERS	
4	1"	2#8, 1#10G	HEATERS HTR-110, 111, 112	PANELBOARD LP1A	POWER TO HEATERS	
5	1"	2#8, 1#10G	HEATERS HTR-113, 114, 115	PANELBOARD LP1A	POWER TO HEATERS	
6	1"	2#8, 1#10G	HEATERS HTR-116, 117, 118	PANELBOARD LP1A	POWER TO HEATERS	
7	1"	2#8, 1#10G	HEATERS HTR-119, 120, 121	PANELBOARD LP1A	POWER TO HEATERS	
8	1"	2#8, 1#10G	HEATERS HTR-122, 123, 124	PANELBOARD LP1A	POWER TO HEATERS	
9	1"	2#8, 1#10G	HEATERS HTR-125, 126, 127	PANELBOARD LP1A	POWER TO HEATERS	
10	1"	2#8, 1#10G	HEATERS HTR-128, 129, 130	PANELBOARD LP1A	POWER TO HEATERS	
11	1"	2#8, 1#10G	HEATERS HTR-131, 132, 133	PANELBOARD LP1A	POWER TO HEATERS	
12	1"	2#8, 1#10G	HEATERS HTR-134, 135, 136	PANELBOARD LP1A	POWER TO HEATERS	
13	1"	2#14, 1#14G	HPB-101	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
14	1"	2#14, 1#14G	HPB-102	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
15	1"	2#14, 1#14G	HPB-103	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
16	1"	2#14, 1#14G	HPB-104	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
17	1"	2#14, 1#14G	HPB-105	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
18	1"	2#14, 1#14G	HPB-106	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
19	1"	2#14, 1#14G	HPB-107	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
20	1"	2#14, 1#14G	HPB-108	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
21	1"	2#14, 1#14G	HPB-109	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
22	1"	2#14, 1#14G	HPB-110	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
23	1"	2#14, 1#14G	HPB-111	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
24	1"	2#14, 1#14G	HPB-112	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
25	1"	2#10, 1#10G	TVM-101	PANELBOARD LP1B	POWER TO TVM	
26	1"	2#10, 1#10G	TVM-102	PANELBOARD LP1B	POWER TO TVM	
27	1"	4#12, 2#12G	RSV-101, RSV-102	PANELBOARD LP1B	POWER TO RSVs	
28	1"	4#12, 2#12G	RSV-103, RSV-104	PANELBOARD LP1B	POWER TO RSVs	
29	1"	2#12, 1#12G	KSK-101	PANELBOARD LP1A	POWER TO KIOSK	
30	1"	2#12, 1#12G	KSK-102	PANELBOARD LP1A	POWER TO KIOSK	
31	1"	2#12, 1#12G	CANOPY LUMINAIRES	PANELBOARD LP1A	POWER TO LUMINAIRES	
32	1"	2#12, 1#12G	CANOPY LUMINAIRES	PANELBOARD LP1A	POWER TO LUMINAIRES	
33	1"	2#12, 1#12G	CANOPY LUMINAIRES	PANELBOARD LP1A	POWER TO LUMINAIRES	
34	1"	2#12, 1#12G	CANOPY LUMINAIRES	PANELBOARD LP1A	POWER TO LUMINAIRES	
35	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2
36	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2
37	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2
38	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2
39	1"	2#10, 1#10G	RAMP LIGHTING	PANELBOARD LP1A	POWER TO RAMP LIGHTING	
40	1"	2#10, 1#10G	RAMP LIGHTING	PANELBOARD LP1A	POWER TO RAMP LIGHTING	
41	1"	2#10, 1#10G	RAMP LIGHTING	PANELBOARD LP1A	POWER TO RAMP LIGHTING	
42	1"	2#10, 1#10G	RAMP LIGHTING	PANELBOARD LP1A	POWER TO RAMP LIGHTING	
43	1"	4#10, 1#10G	COMMUNICATIONS CABINET SCC-001	PANELBOARD LP1B	POWER TO COMMUNICATIONS CABINET	
44	1"	EMPTY W/ PULL CORD	VMS-001 (F)	PANELBOARD LP1B	POWER TO VMS (F)	
45	1"	4#10, 2#10G	VMS-002, VMS-003	PANELBOARD LP1B	POWER TO VMS	
46	1"	4#10, 2#10G	VMS-008, VMS-009	PANELBOARD LP1B	POWER TO VMS	
47	1"	EMPTY W/ PULL CORD	VMS-010 (F)	PANELBOARD LP1B	POWER TO VMS (F)	
48	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
49	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
50	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
51	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
52	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
53						
54						
55						

ELECTRICAL NOTES
1. NOT USED
2. 3/C#18 CABLE FOR AMBIENT AIR TEMPERATURE SENSOR IS ALSO RUN IN THE CONDUIT.

4. SCHEDULE 40 PVC CONDUIT

PANELBOARD SCHEDULE WDL-LP1A

400 AMP BUS RATING
120/208 VOLTS
MLO
3 PHASE
4 WIRE 60Hz
42 POLES
SURFACE MOUNTED
LOCATION

DESCRIPTION	kVA	AMPS/POLES	CKT	AØ	BØ	CØ	CKT	AMPS/POLES	kVA	DESCRIPTION
RAMP LIGHTING	0.4	20/1	1	X			2	30/2	2.4	HTR-119, 120, 121
RAMP LIGHTING	0.4	20/1	3		X		4		2.4	
HTR-101, 102, 103	2.4	30/2	5			X	6	30/2	2.4	HTR-122, 123, 124
	2.4		7	X			8		2.4	
HTR-104, 105, 106	2.4	30/2	9		X		10	30/2	2.4	HTR-125, 126, 127
	2.4		11			X	12		2.4	
HTR-107, 108, 109	2.4	30/2	13	X			14	30/2	2.4	HTR-128, 129, 130
	2.4		15		X		16		2.4	
HTR-110, 111 112	2.4	30/2	17			X	18	30/2	2.4	HTR-131, 132, 133
	2.4		19	X			20		2.4	
HTR-113, 114, 115	2.4	30/2	21		X		22	30/2	2.4	HTR-134, 135, 136
	2.4		23			X	24		2.4	
HTR-116, 117, 118	2.4	30/2	25	X			26	20/1	0.16	SHELTER LUMINAIRES
	2.4		27		X		28	20/1	0.16	SHELTER LUMINAIRES
KSK-101	0.3	20/1	29			X	30	20/1	0.17	SHELTER LUMINAIRES
KSK-102	0.3	20/1	31	X			32	20/1	0.17	SHELTER LUMINAIRES
HTRCP-101	1.0	30/2	33		X		34	20/1	1.0	POLE LUMINAIRES
	1.0		35			X	36	20/1		SPARE
HTRCP-102	1.0	30/2	37	X			38	20/1		SPARE
	1.0		39		X		40			SPACE
SPACE			41			X	42			SPACE
		kVA		26.5	28.0	26.7	kVA		5.3	
		AMPS		221.1	233.0	222.3	AMPS		5.2	
									6.0	FEED THROUGH LUGS LP1B

PANELBOARD SCHEDULE WDL-LP1B

400 AMP BUS RATING
120/208 VOLTS
400 MLO
3 PHASE
4 WIRE 60Hz
30 POLES
SURFACE MOUNTED
LOCATION

DESCRIPTION	kVA	AMPS/POLES	CKT	AØ	BØ	CØ	CKT	AMPS/POLES	kVA	DESCRIPTION
SPD		60/2	1	X			2	20/1	0.3	RSV-101
			3		X		4	20/1	0.3	RSV-102
SEC-001	0.5	20/1	5			X	6	20/1	0.3	RSV-103
VMS-001 (FUTURE)	1.0	20/1	7	X			8	20/1	0.3	RSV-104
VMS-002	1.0	20/1	9		X		10	20/1		SPARE
VMS-003	1.0	20/1	11			X	12	20/1		SPARE
SCC-001	2.7	30/2	13	X			14	20/1	1.0	VMS-008
	2.7		15		X		16	20/1	1.0	VMS-009
SPARE		20/1	17			X	18	20/1	1.0	VMS-010 (FUTURE)
SPARE		20/1	19	X			20	30/1		SPARE
HTG AND LTG CONTROL SYSTEM	0.2	15/1	21		X		22	30/1		SPARE
TVM-101	1.6	30/1	23			X	24	30/1	1.6	TVM-102
SPACE			25	X			26			SPACE
SPACE			27		X		28			SPACE
SPACE			29			X	30			SPACE
		kVA		5.3	5.2	6.0	kVA			
		AMPS		44.2	43.3	50.0	AMPS			

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL
SOUTHWEST
Green Line LRT Extension

CIVIL - VOLUME 11C
WOODDALE STATION
ELECTRICAL
SCHEDULES

DISCIPLINE: ELECTRICAL
SHEET NAME: E2-WDL-ELE-SCH-501

SHEET 259 OF 510

Jan, 18 2016 11:17 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-WDL-ELE-SCH-501.dwg By: FergTK

CODE SUMMARY - CENTER PLATFORM
BELTLINE STATION

CODE REFERENCES

MINNESOTA STATE BUILDING CODE	2015
NFPA 130 – STANDARD FOR FIXED GUIDEWAY TRANSIT AND PASSENGER RAIL SYSTEMS	2014

IBC REVIEW

A. DESCRIPTION
LOCATION: ST. LOUIS PARK, MN

THE LIGHT RAIL TRANSIT STATION IS A PARTIALLY CANOPIED PLATFORM AREA. IT CONSISTS OF A PLATFORM 270' LONG BY 21'–4" ACCESSED BY A SLOPED WALK AT EACH END OF PLATFORM. PLATFORM IS OPEN TO EXTERIOR ON ALL FOUR SIDES.

TYPICAL PLATFORM AREA: 5760 SQUARE FEET (GROSS AREA)
4264 SQUARE FEET (NET AREA AFTER STRUCTURAL ELEMENTS, FIXTURES AND PERMANENTLY INSTALLED FURNISHINGS ARE DEDUCTED)

CANOPY COVERAGE AREA AT PLATFORM: = 3904 SQUARE FEET
1952 SQUARE FEET (1 @ 96'–0" X 20'–4") WEST CANOPY
1952 SQUARE FEET (1 @ 96'–0" X 20'–4") EAST CANOPY

B. OCCUPANCY CLASSIFICATION (IBC 2015 SECTION 303.1)

WAITING AREAS IN TRANSPORTATION TERMINALS: GROUP 'A' DIVISION 3
(15 S.F. PER PERSON)

C. OCCUPANCY SEPARATIONS

NONE ARE REQUIRED

D. TYPE OF CONSTRUCTION (IBC 2015 TABLE 601)

TYPE IIB CONSTRUCTION

E. ALLOWABLE BUILDING AREA AND BUILDING HEIGHT (IBC 2015 TABLE 503)

2 STORIES AT 9,500 SQUARE FEET PER STORY

F. IBC EXITING SUMMARY

NO. OF OCCUPANTS = 4264 S.F. / 15 S.F./OCC = 285
REQUIRED EGRESS WIDTH = 285 X 0.2 = 57" (PER 1005.3.2)
WIDTH PROVIDED = 2 RAMPS AT 145" = 290"
2 MEANS OF EGRESS PROVIDED

PLATFORM COLOR AND FINISH SCHEDULE

PRODUCTS AND COLORS LISTED ARE THE BASIS OF DESIGN FOR AESTHETIC/ARCHITECTURAL INTENT. SEE SPECIFICATIONS FOR MATERIAL/PRODUCT REQUIREMENTS.

PLATFORM COLOR AND FINISH SCHEDULE

TYPE	STATION	STRUCTURAL STEEL PAINT COLOR	PLATFORM CONC COLOR	PLATFORM CONC FINISH	CONC WALL COLOR	CONC WALL FINISH	RAILING INFILL MATERIAL	ALUM WDW FRAME FINISH	EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA FINISH	ALUM COMP CANOPY SOFFIT AND FASCIA COLOR	TRANSLUCENT PLASTIC PANEL
CENTER	BELTLINE STATION	PPG 209–6 ASPARAGUS	CEMSTONE SPLIT ROCK	LIGHT BROOM	CEMSTONE SPLIT ROCK	TBD	GALV STL CABLE	CLEAR ANODIZED	HUNTER DOUGLAS WOODWRIGHT 8449 WINDJAMMER TEAK	ALUCOBOND CHERRY SMITH SILVER MICA COOL	3FORM KODA XT NATURAL N–03

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

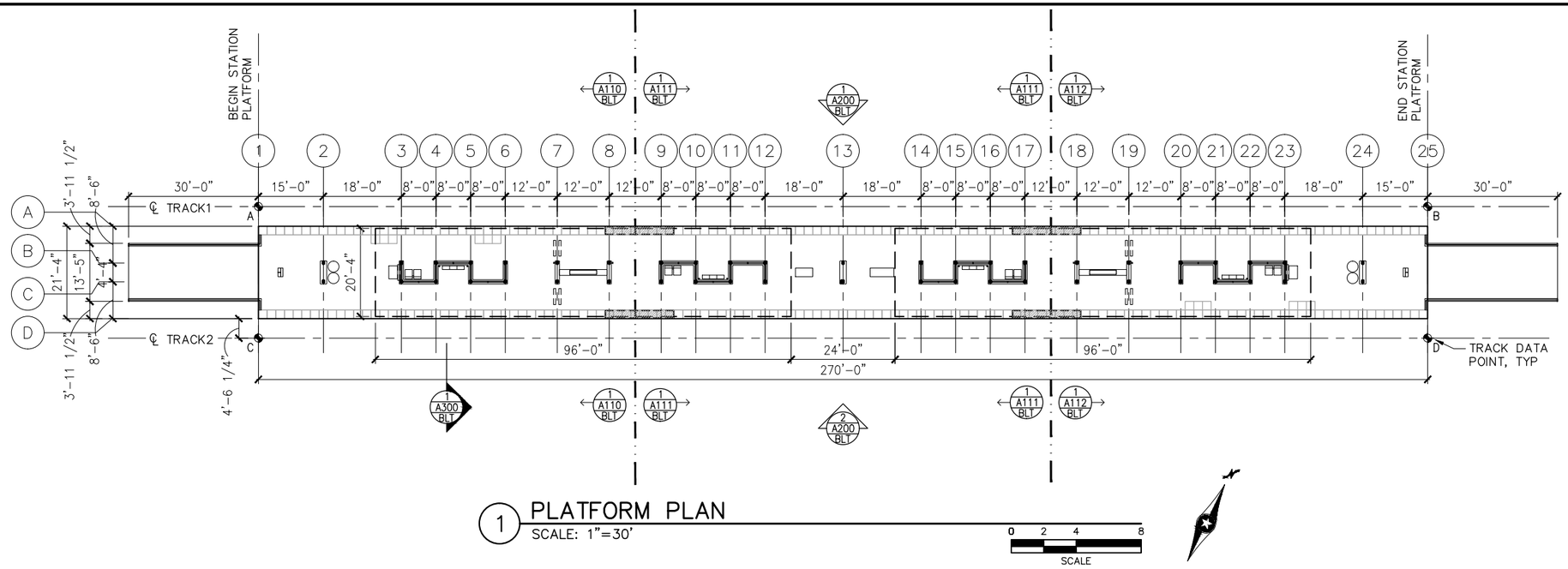
CIVIL - VOLUME 11C
BELTLINE STATION
CODE SUMMARY / FINISH SCHEDULE

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-BLT-ARC-COD-010

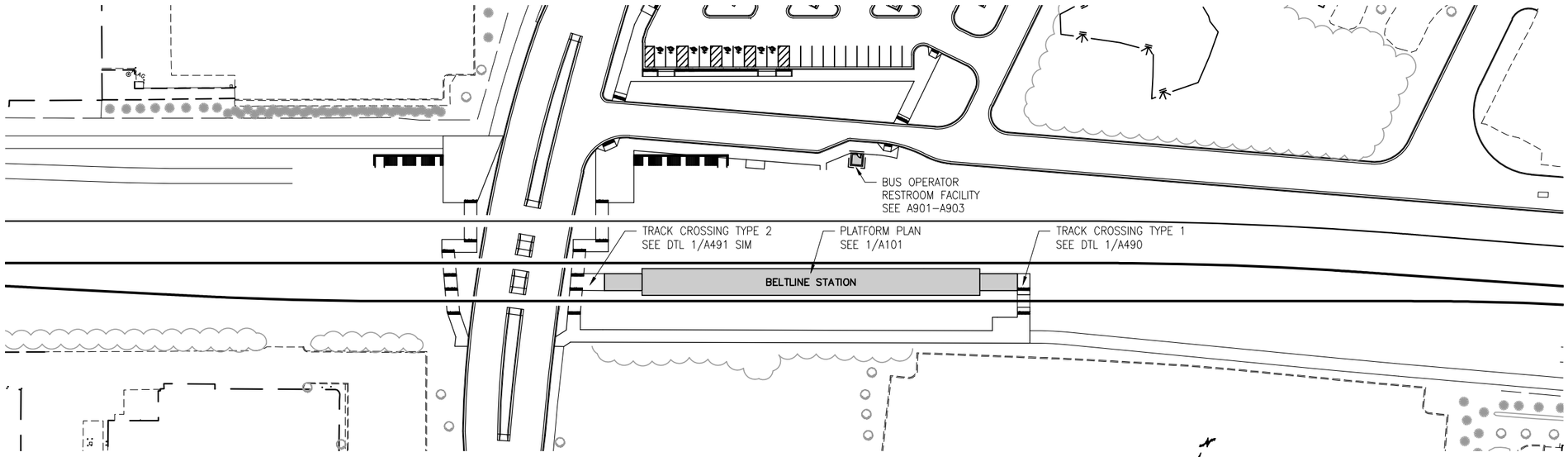
SHEET 260 OF 510

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1 PLATFORM PLAN
SCALE: 1"=30'

0 2 4 8
SCALE



2 STATION AREA PLAN
SCALE: 1"=100'

0 2 4 8
SCALE

TRACK DATA

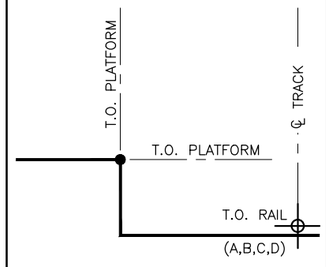
ELEV 100'-0" (LOCATION ON PLAN)

TRACK 1 EL 100'-0"= 886.10 (PT 'B')

POINT	T.O. RAIL ELEVATION	TRACK 1 STATIONING	
A	888.09	1712+80.77	
B	886.10	1715+50.77	

TRACK 2 EL 100'-0"= 886.10 (PT 'D')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING	
C	888.09	2712+80.77	
D	886.10	2715+50.77	



SECTION DIAGRAM AT PLATFORM EDGE
SEE DTL 1/A520
FOR DETAIL AND DIMENSIONS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

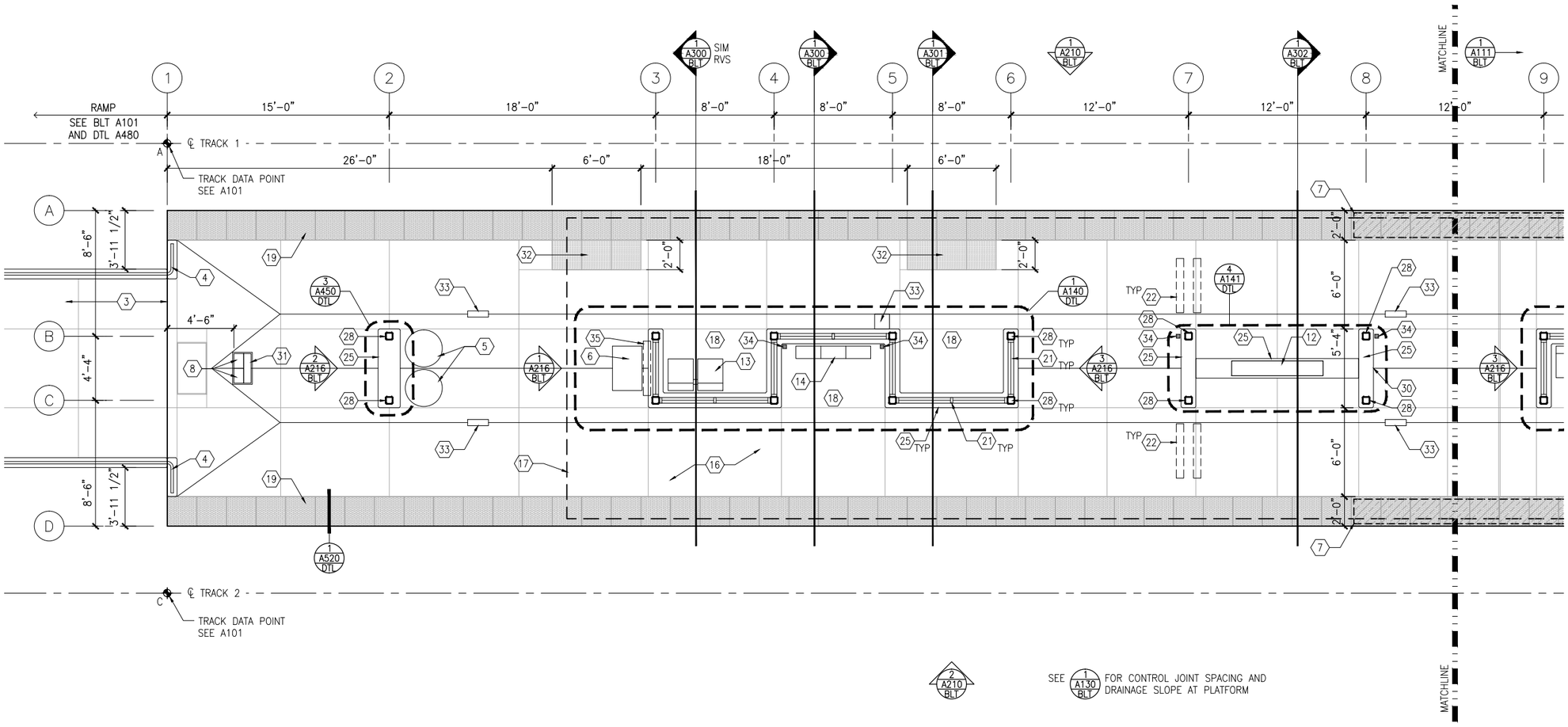
CIVIL - VOLUME 11C
BELTLINE STATION
PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-BLT-ARC-PLN-101

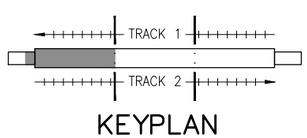
SHEET 261 OF 510

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1 WEST PARTIAL PLATFORM PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



KEYPLAN

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. ADA BETWEEN-CAR BARRIER
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE – SEE ELECTRICAL
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

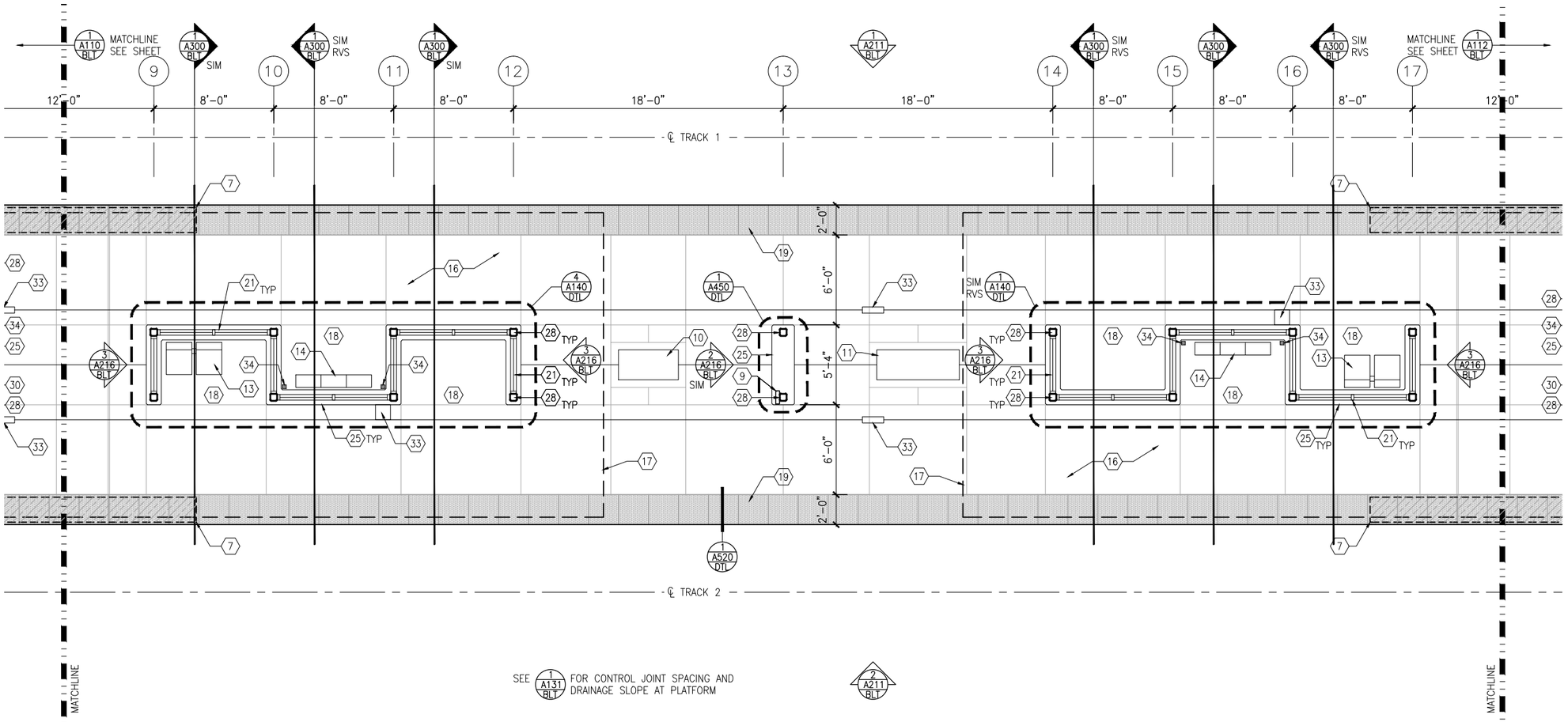
CIVIL - VOLUME 11C
BELTLINE STATION
WEST PARTIAL PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-BLT-ARC-PLN-110

SHEET 262 OF 510

Jan, 18 2016 11:45 am v:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-PLN-110.dwg By: MurphySP



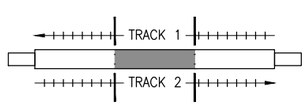
SEE (1 A131 BLT) FOR CONTROL JOINT SPACING AND DRAINAGE SLOPE AT PLATFORM

(2 A211 BLT)

1 MIDDLE PARTIAL PLATFORM PLAN

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



KEYPLAN

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. ADA BETWEEN–CAR BARRIER
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE – SEE ELECTRICAL
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

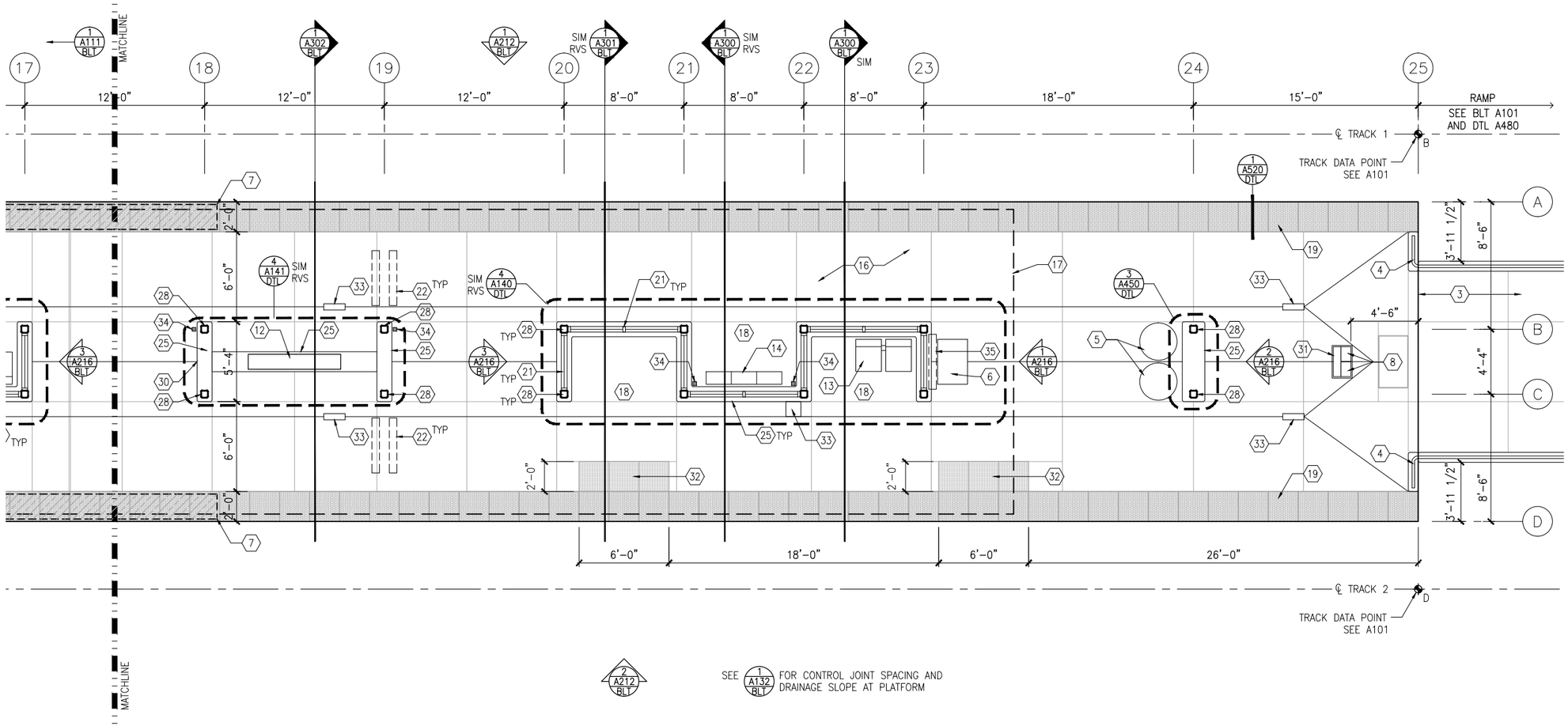
CIVIL - VOLUME 11C
BELTLINE STATION
MIDDLE PARTIAL PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-BLT-ARC-PLN-111

SHEET 263 OF 510

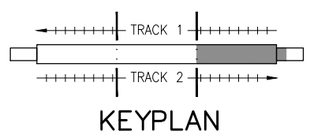
Jan, 18 2016 11:45 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-PLN-111.dwg By: MurphySP



1 EAST PARTIAL PLATFORM PLAN

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



KEYPLAN

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. ADA BETWEEN-CAR BARRIER
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE – SEE ELECTRICAL
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BELTLINE STATION
EAST PARTIAL PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-BLT-ARC-PLN-112

SHEET 264 OF 510

Jan, 18 2016 11:46 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-PLN-112.dwg By: MurphySP

PAVEMENT NOTES

SLOPE TRANSITIONS ARE SHOWN FOR REFERENCE. BLEND/EASE TRANSITIONS TO DRAIN AND SO THAT NO ABRUPT CHANGE IN SLOPE IS VISIBLE ON PLATFORM SURFACE

LEGEND

- – – – – – – SLOPES
- ———— CUT JOINTS

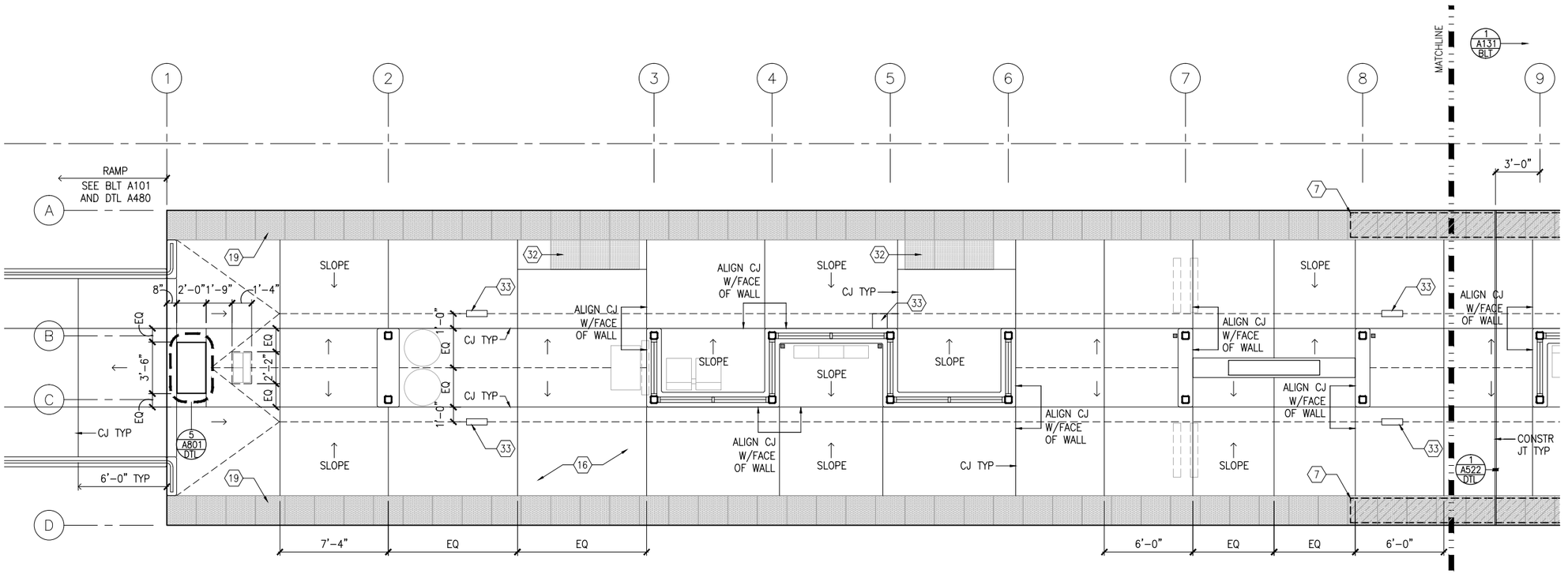
GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

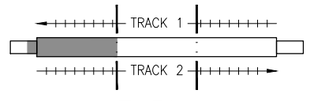
NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
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31. RIDER ALERT PANEL
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33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL



1 WEST PARTIAL PAVEMENT PLAN
SCALE: 1/8"=1'–0"

0 2 4 8
SCALE



KEYPLAN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BELTLINE STATION
WEST PARTIAL PAVEMENT PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-BLT-ARC-PLN-130

SHEET 265 OF 510

Jan. 18 2016 11:46 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-PLN-130.dwg By: MurphySP

PAVEMENT NOTES

SLOPE TRANSITIONS ARE SHOWN FOR REFERENCE. BLEND/EASE TRANSITIONS TO DRAIN AND SO THAT NO ABRUPT CHANGE IN SLOPE IS VISIBLE ON PLATFORM SURFACE

LEGEND

- – – – – – SLOPES
- ——————— CUT JOINTS

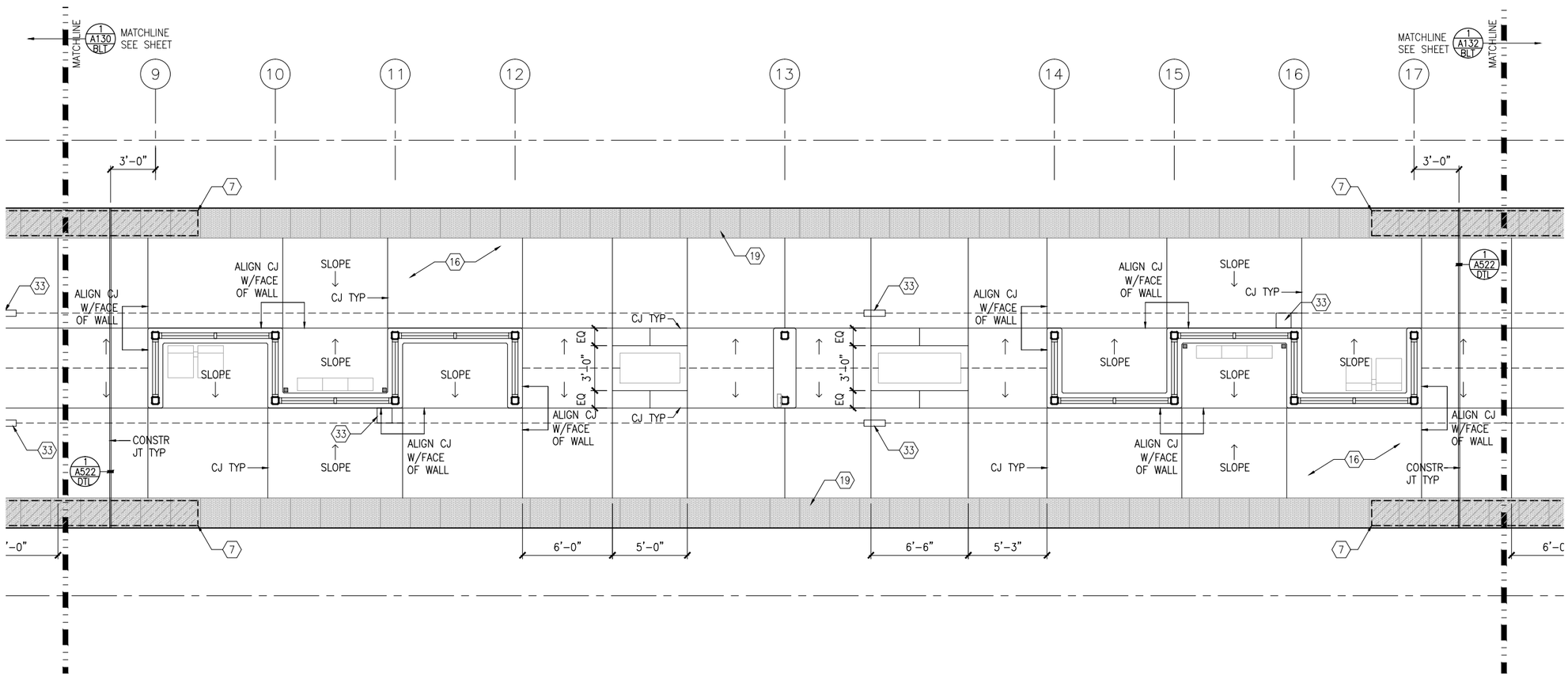
GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

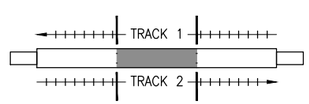
NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
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3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
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31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL



1 MIDDLE PARTIAL PAVEMENT PLAN
SCALE: 1/8"=1'–0"

0 2 4 8
SCALE



KEYPLAN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BELTLINE STATION
MIDDLE PARTIAL PAVEMENT PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-BLT-ARC-PLN-131

SHEET 266 OF 510

Jan, 18 2016 11:47 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-PLN-131.dwg By: MurphySP

PAVEMENT NOTES

SLOPE TRANSITIONS ARE SHOWN FOR REFERENCE. BLEND/EASE TRANSITIONS TO DRAIN AND SO THAT NO ABRUPT CHANGE IN SLOPE IS VISIBLE ON PLATFORM SURFACE

LEGEND

- – – – – – – SLOPES
- ———— CUT JOINTS

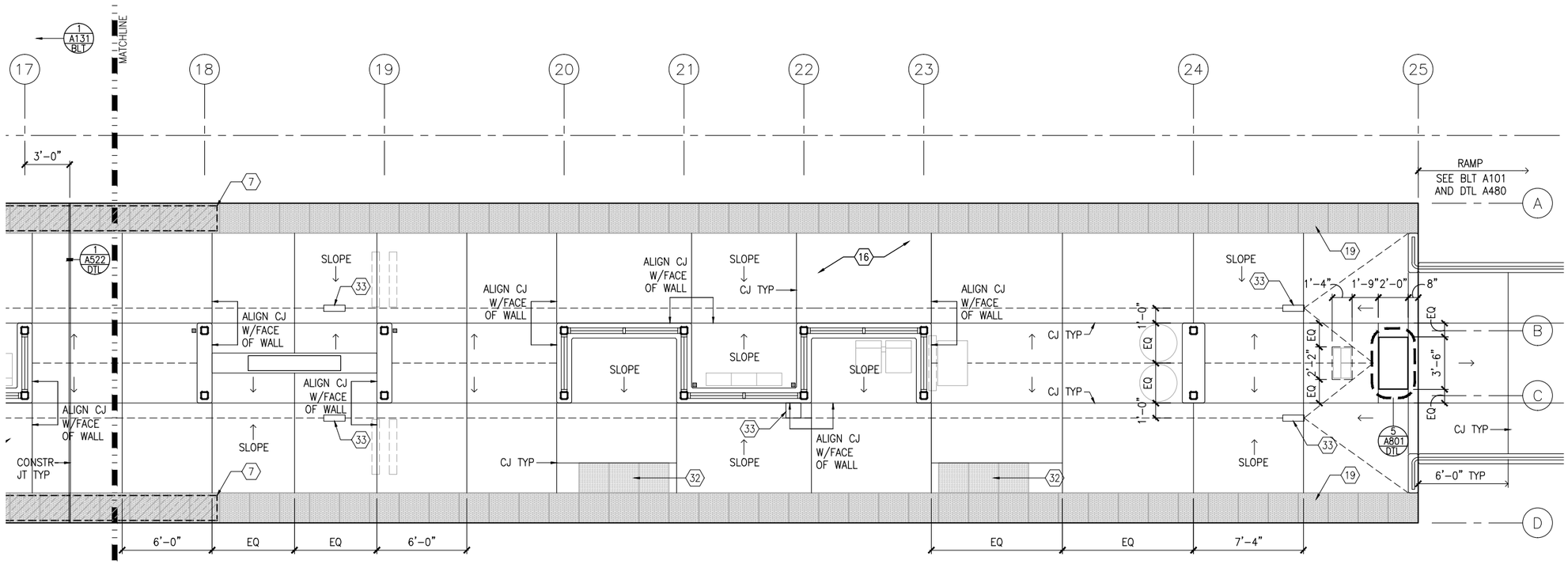
GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

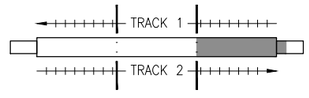
NOTE: ALL KEYNOTES MAY NOT BE USED

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33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL



1 EAST PARTIAL PAVEMENT PLAN
SCALE: 1/8"=1'–0"

0 2 4 8
SCALE



KEYPLAN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

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SOUTHWEST Green Line LRT Extension

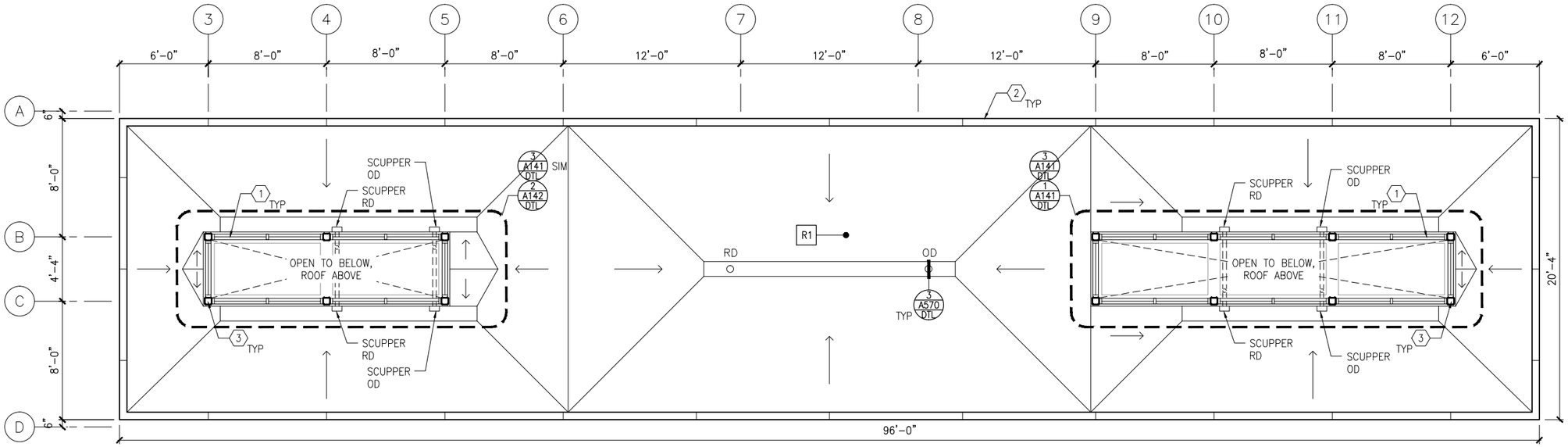
CIVIL - VOLUME 11C
BELTLINE STATION
EAST PARTIAL PAVEMENT PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-BLT-ARC-PLN-132

SHEET 267 OF 510

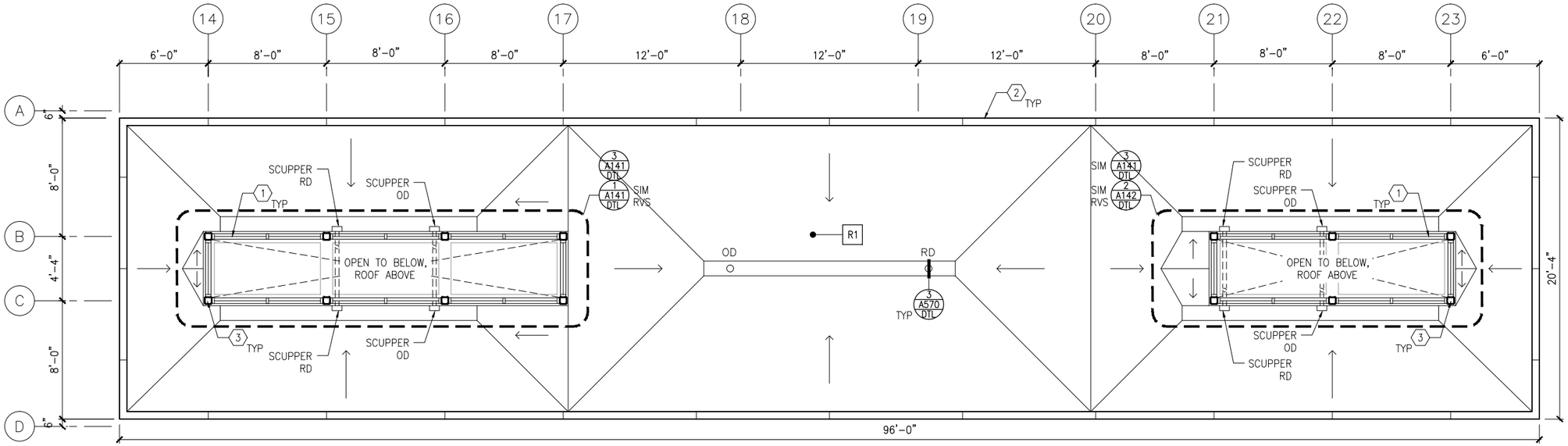
Jan. 18 2016 11:47 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-PLN-132.dwg By: MurphySP



1 ROOF PLAN – WEST CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 ROOF PLAN – EAST CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. ROOF SLOPE IS 1/4" PER FT UNO
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ALUMINUM STOREFRONT AND TRANSLUCENT GLAZING SYSTEM
2. ALUMINUM COMPOSITE PANEL COPING
3. STEEL COLUMN – SEE STRUCTURAL
4. STEEL BEAM ABOVE – SEE STRUCTURAL
5. PREFINISHED METAL SCUPPER
6. PREFINISHED METAL GUTTER, SLOPE TO DOWNSPOUTS
7. ROOF BASE FLASHING
8. SUMP
9. CONCRETE SPLASH BLOCK
10. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
11. ROOF EXPANSION JOINT
12. BUILDING EXPANSION JOINT
13. VENT THROUGH ROOF – SEE PLUMB
14. INTEGRAL ROOF GUTTER – SLOPE TO DOWNSPOUTS BELOW
15. MECHANICAL EQUIP – SEE MECH

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- STEEL COLUMN
- OVERHEAD SUPPORT
- RD OD — ROOF DRAIN AND OVERFLOW ROOF DRAIN
- R1 — ROOF ASSEMBLY TYPE 1 BALLASTED EPDM
- R2 — ROOF ASSEMBLY TYPE 2 PRECAST PAVER OVER EPDM
- R3 — ROOF ASSEMBLY TYPE 3 SAME AS TYPE 2 WITH R_ INSULATION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

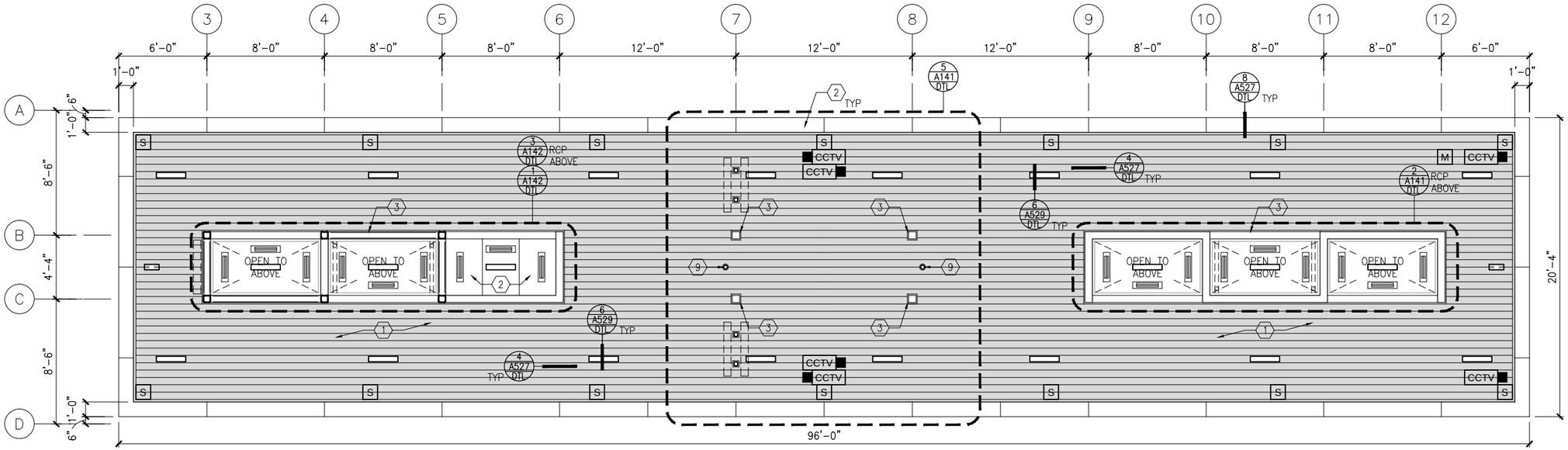
CIVIL - VOLUME 11C
BELTLINE STATION
ROOF PLANS

DISCIPLINE: ARCHITECTURE

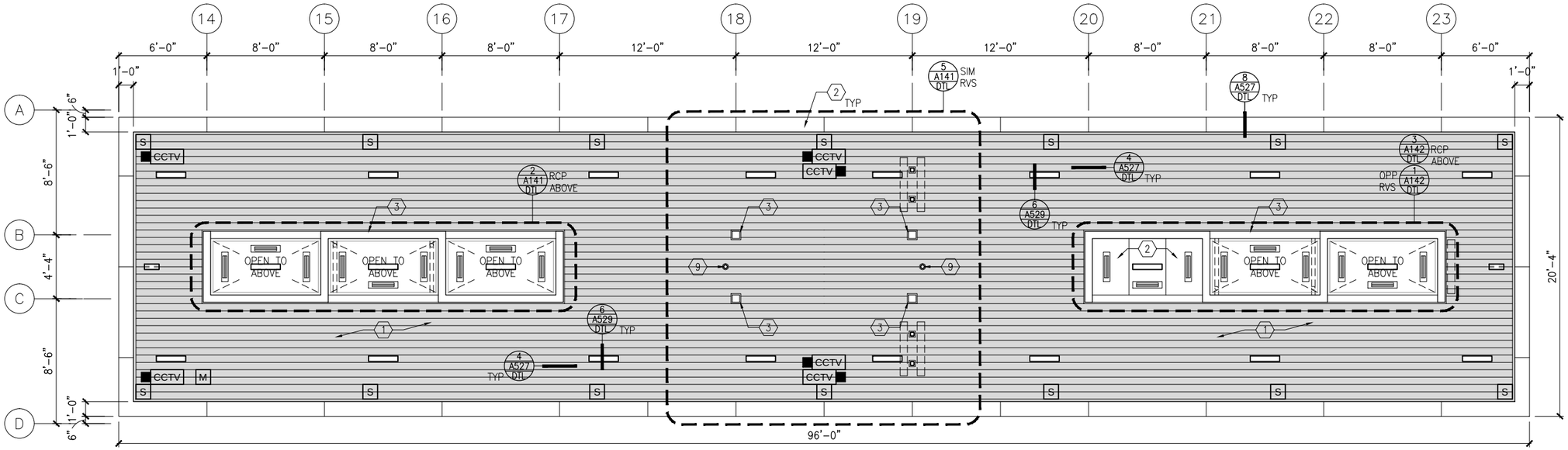
SHEET NAME: E2-BLT-ARC-PLN-150

SHEET 268 OF 510

Jan, 18 2016 11:48 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-PLN-150.dwg By: MurphySP



1 REFLECTED CEILING PLAN – WEST CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE



2 REFLECTED CEILING PLAN – EAST CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. EXTERIOR LINEAR METAL CEILING SOFFIT IN SHADED AREA
2. ALUMINUM COMPOSITE PANEL SOFFIT
3. PROVIDE MATCHING CEILING TRIM AROUND STEEL COLUMN AND/OR SHELTERS
4. PC CONC WALKWAY – SEE STRUCT
5. PC CONC STAIR – SEE STRUCT
6. EXPOSED STRUCTURE – SEE STRUCTURAL
7. ACOUSTIC CEILING
8. ACCESS PANELS FOR EQUIPMENT ACCESS
9. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- S SPEAKER
- M MICROPHONE
- C SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN
- LAY-IN ACOUSTIC CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING
- LED LINEAR LIGHT FIXTURE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

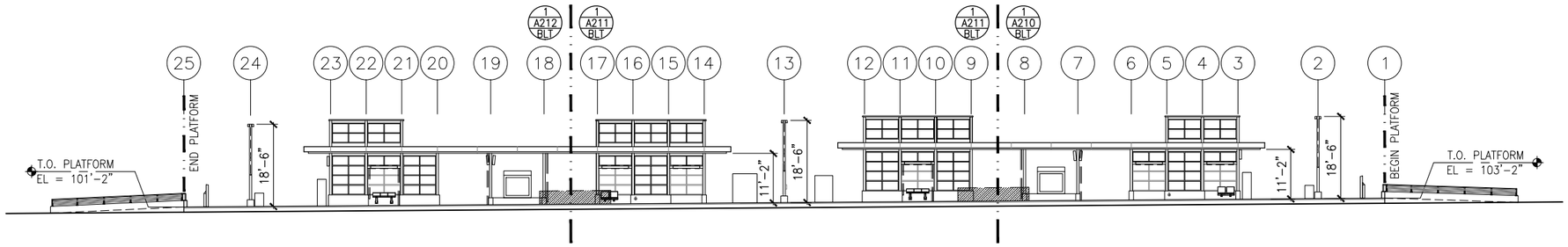
CIVIL - VOLUME 11C
BELTLINE STATION
REFLECTED CEILING PLANS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-BLT-ARC-RCP-180

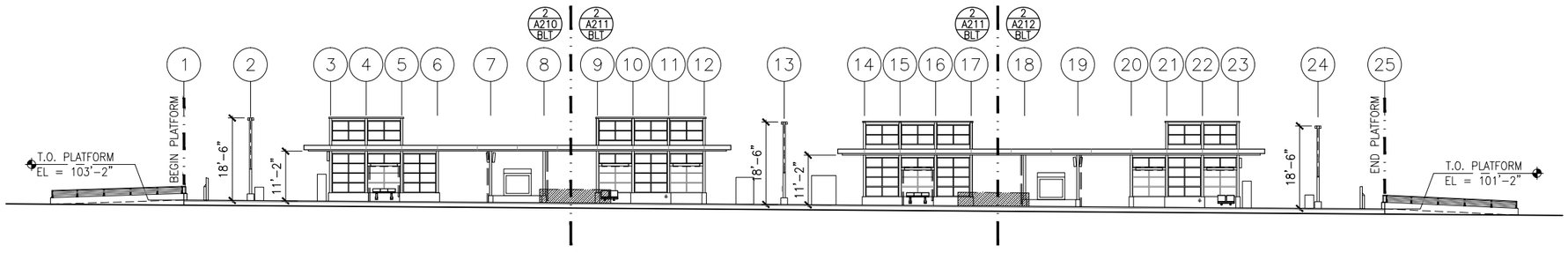
SHEET 269 OF 510

Jan, 18 2016 11:48 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-RCP-180.dwg By: MurphySP



1 TRACK 1 ELEVATION
SCALE: 1"=30' (−0.74% SLOPE)*

0 7.5 15 30
SCALE



2 TRACK 2 ELEVATION
SCALE: 1"=30' (−0.74% SLOPE)*

0 7.5 15 30
SCALE

*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

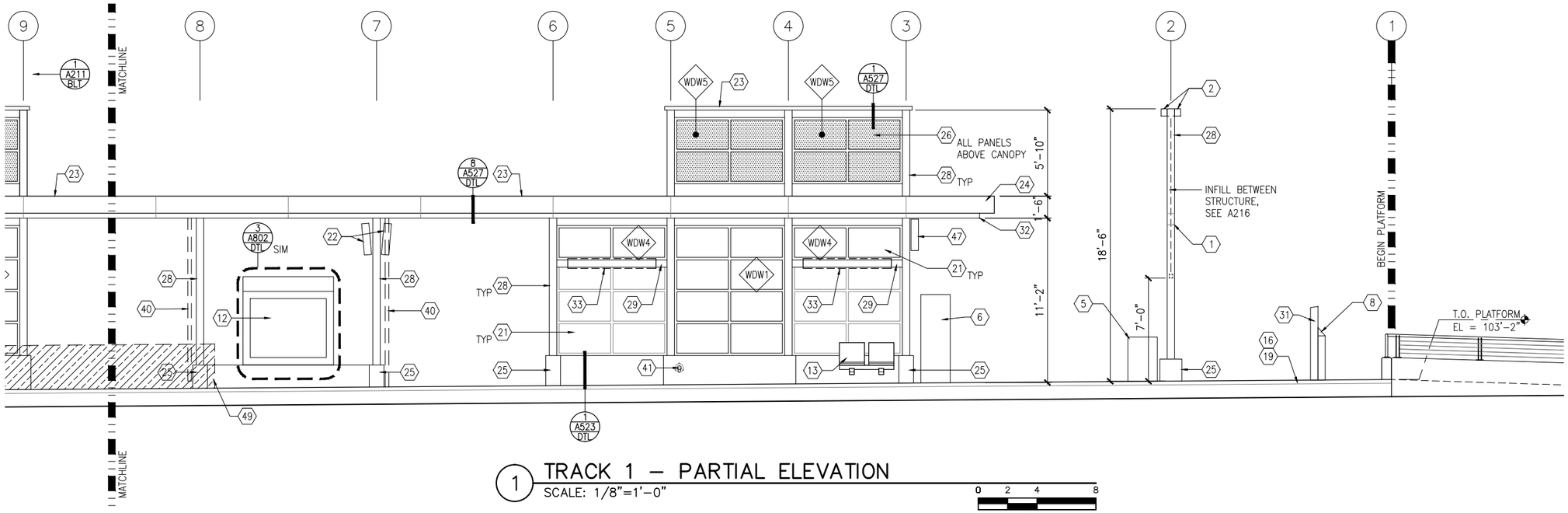
CIVIL - VOLUME 11C
BELTLINE STATION ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-BLT-ARC-ELV-200

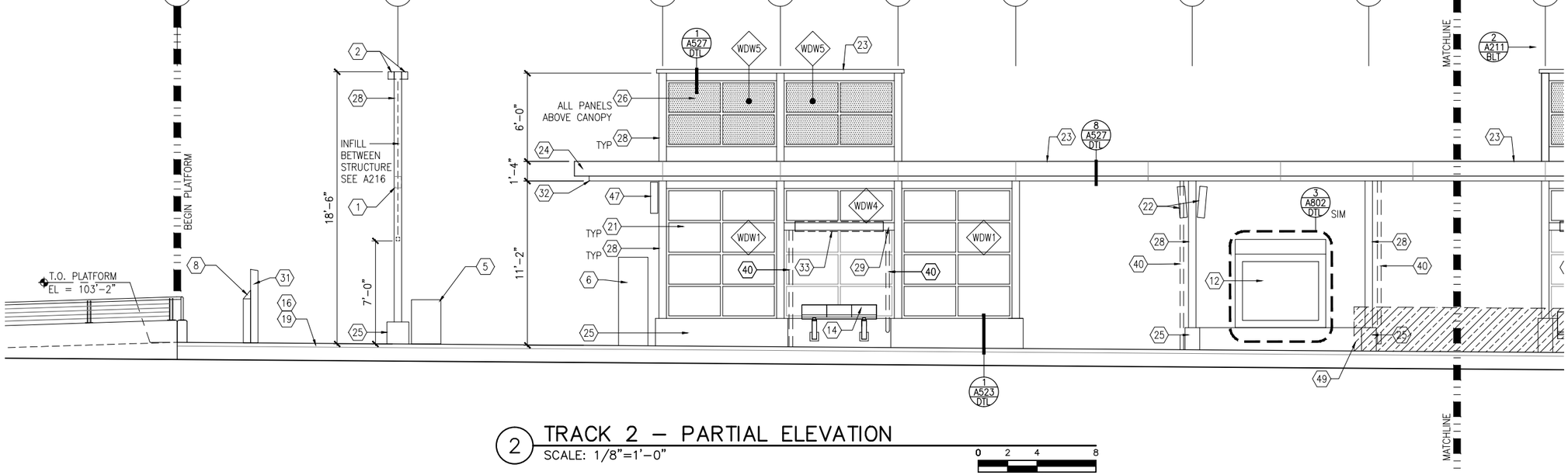
SHEET 270 OF 510

Jan. 18 2016 11:49 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-ELV-200.DWG By: MurphySP



1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
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19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. LIGHTNING ROD – SEE ELECTRICAL
35. PC CONC WALL PANEL
36. CAST IRON DOWNSPOUT – PAINT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
41. DOWNSPOUT NOZZLE – SEE PLUMBING
42. SECONDARY STEEL FRAMING – SEE STRUCTURAL
43. DOOR – SEE DOOR SCHEDULE
44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

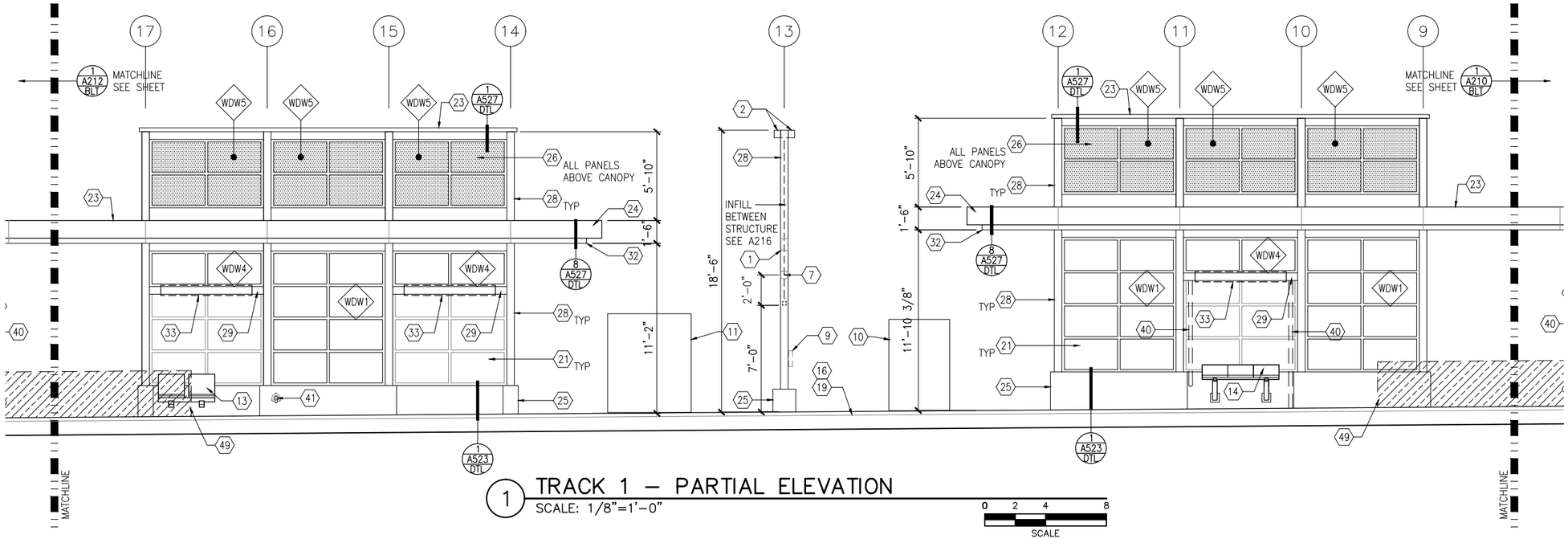
CIVIL - VOLUME 11C
BELTLINE STATION
WEST PARTIAL ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-BLT-ARC-ELV-210

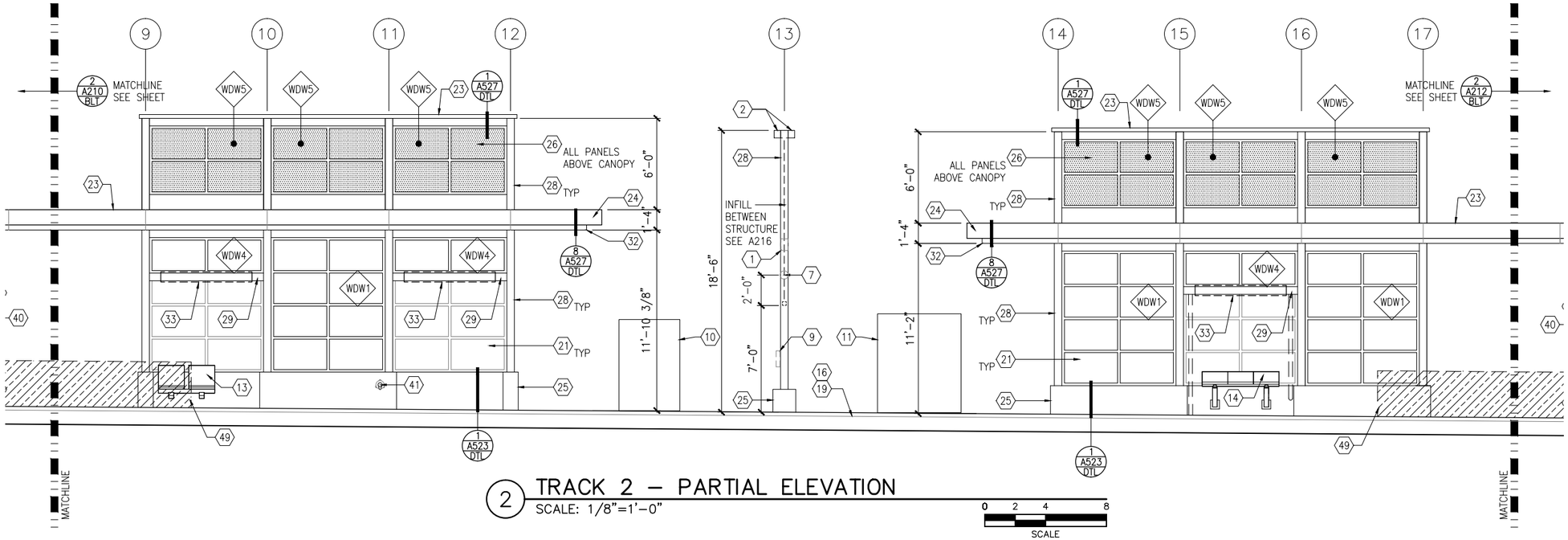
SHEET 271 OF 510

Jan. 18 2016 11:49 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-ELV-210.dwg By: MurphySP



1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. LIGHTNING ROD – SEE ELECTRICAL
35. PC CONC WALL PANEL
36. CAST IRON DOWNSPOUT – PAINT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
41. DOWNSPOUT NOZZLE – SEE PLUMBING
42. SECONDARY STEEL FRAMING – SEE STRUCTURAL
43. DOOR – SEE DOOR SCHEDULE
44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

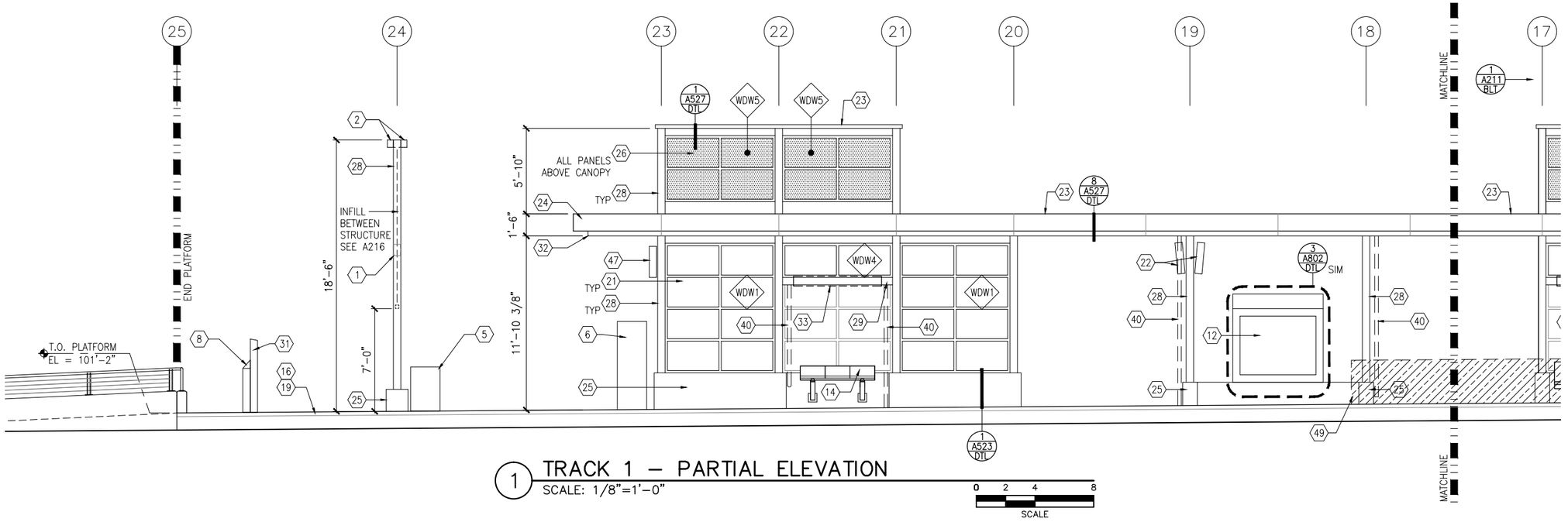
CIVIL - VOLUME 11C
BELTLINE STATION
MIDDLE PARTIAL ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-BLT-ARC-ELV-211

SHEET 272 OF 510

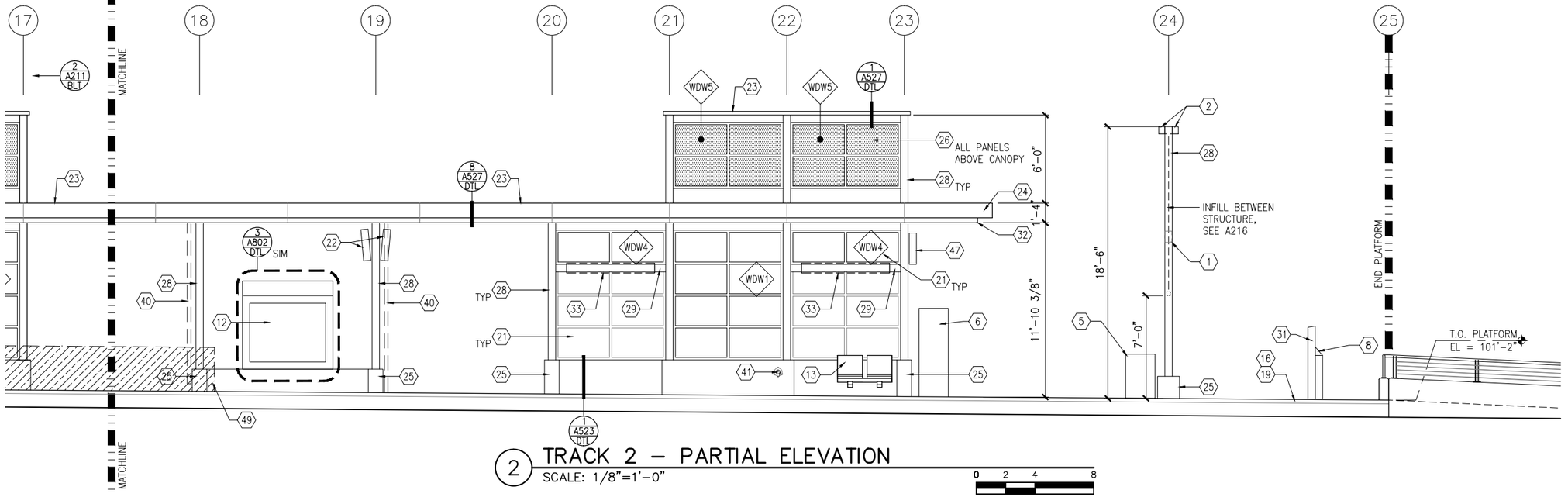
Jan, 18 2016 11:50 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-ELV-211.dwg By: MurphySP



1 TRACK 1 – PARTIAL ELEVATION

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



2 TRACK 2 – PARTIAL ELEVATION

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. LIGHTNING ROD – SEE ELECTRICAL
35. PC CONC WALL PANEL
36. CAST IRON DOWNSPOUT – PAINT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
41. DOWNSPOUT NOZZLE – SEE PLUMBING
42. SECONDARY STEEL FRAMING – SEE STRUCTURAL
43. DOOR – SEE DOOR SCHEDULE
44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

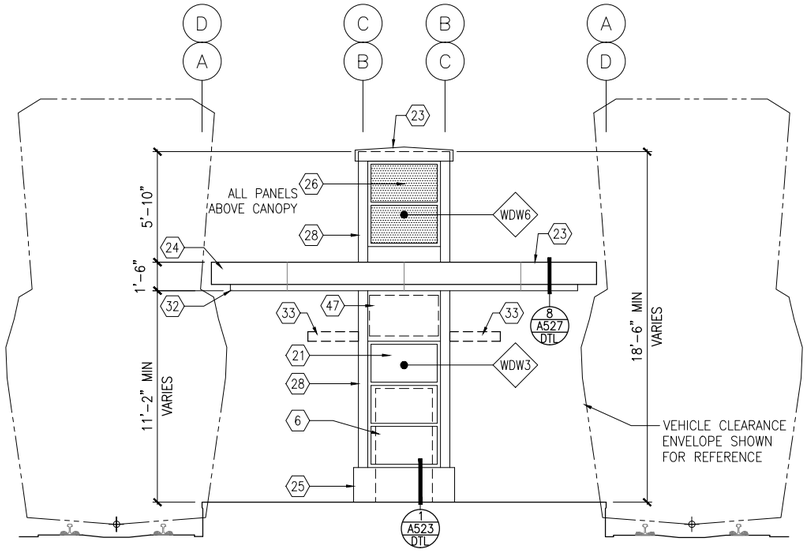
CIVIL - VOLUME 11C
BELTLINE STATION
EAST PARTIAL ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-BLT-ARC-ELV-212

SHEET 273 OF 510

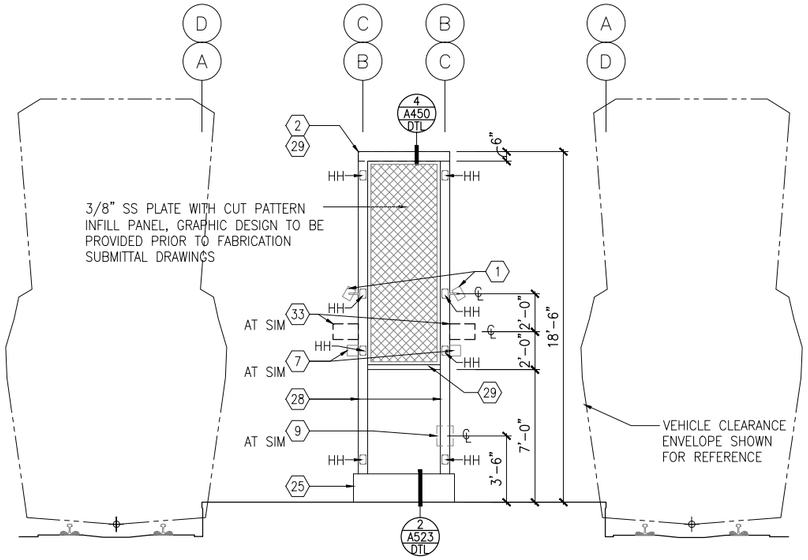
Jan, 18 2016 11:50 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-ELV-212.dwg By: MurphySP



1 SIDE ELEVATION

SCALE: 1/8"=1'-0"

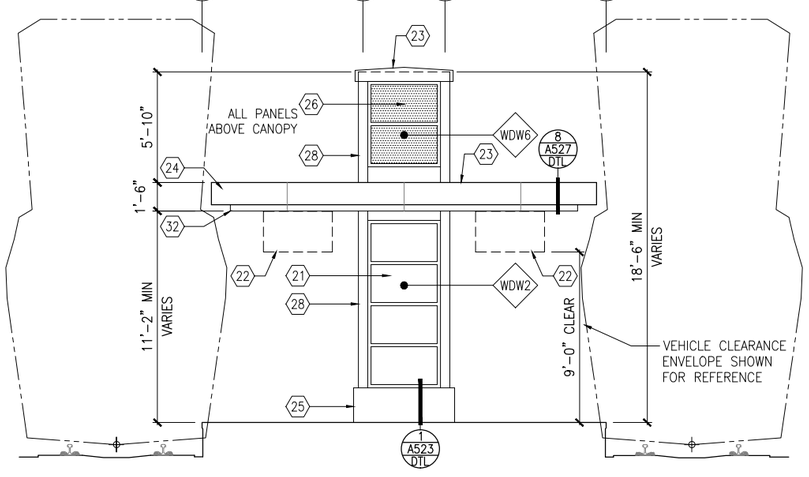
0 2 4 8
SCALE



2 SIDE ELEVATION

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



3 SIDE ELEVATION

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. LIGHTNING ROD – SEE ELECTRICAL
35. PC CONC WALL PANEL
36. CAST IRON DOWNSPOUT – PAINT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
41. DOWNSPOUT NOZZLE – SEE PLUMBING
42. SECONDARY STEEL FRAMING – SEE STRUCTURAL
43. DOOR – SEE DOOR SCHEDULE
44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

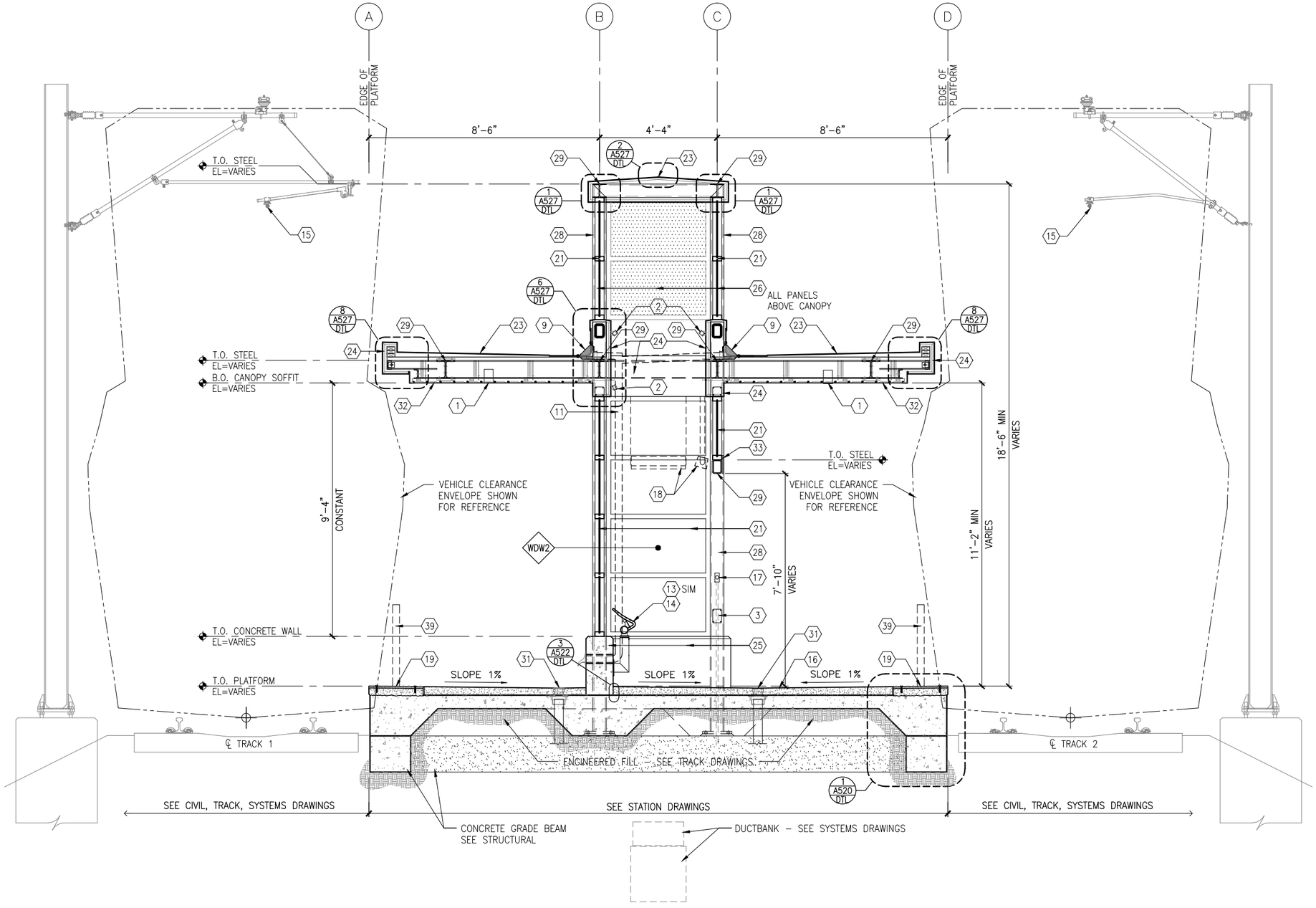
CIVIL - VOLUME 11C
BELTLINE STATION
SIDE ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-BLT-ARC-ELV-216

SHEET 274 OF 510

Jan. 18 2016 11:51 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-ELV-216.dwg By: MurphySP



1 TYPICAL PLATFORM SECTION

SCALE: 1/4"=1'-0"

0 1 2 4

SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA – SEE ELEC
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. EMERGENCY TELEPHONE – SEE ELEC
9. ROOF DRAIN – SEE PLUMBING
10. PRE-FINISHED METAL GUTTER
11. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYSTEMS (NIC)
16. CONCRETE PLATFORM
17. HEATER CONTROL – SEE ELEC
18. INFRARED HEATER – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. AREA DRAIN – SEE PLUMBING
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. PC CONC WALKWAY – SEE STRUCT
35. PC CONC STAIR – SEE STRUCT
36. PC CONC WALL PANEL
37. SECONDARY STEEL FRAMING – SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R– ROOF TYPE – SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

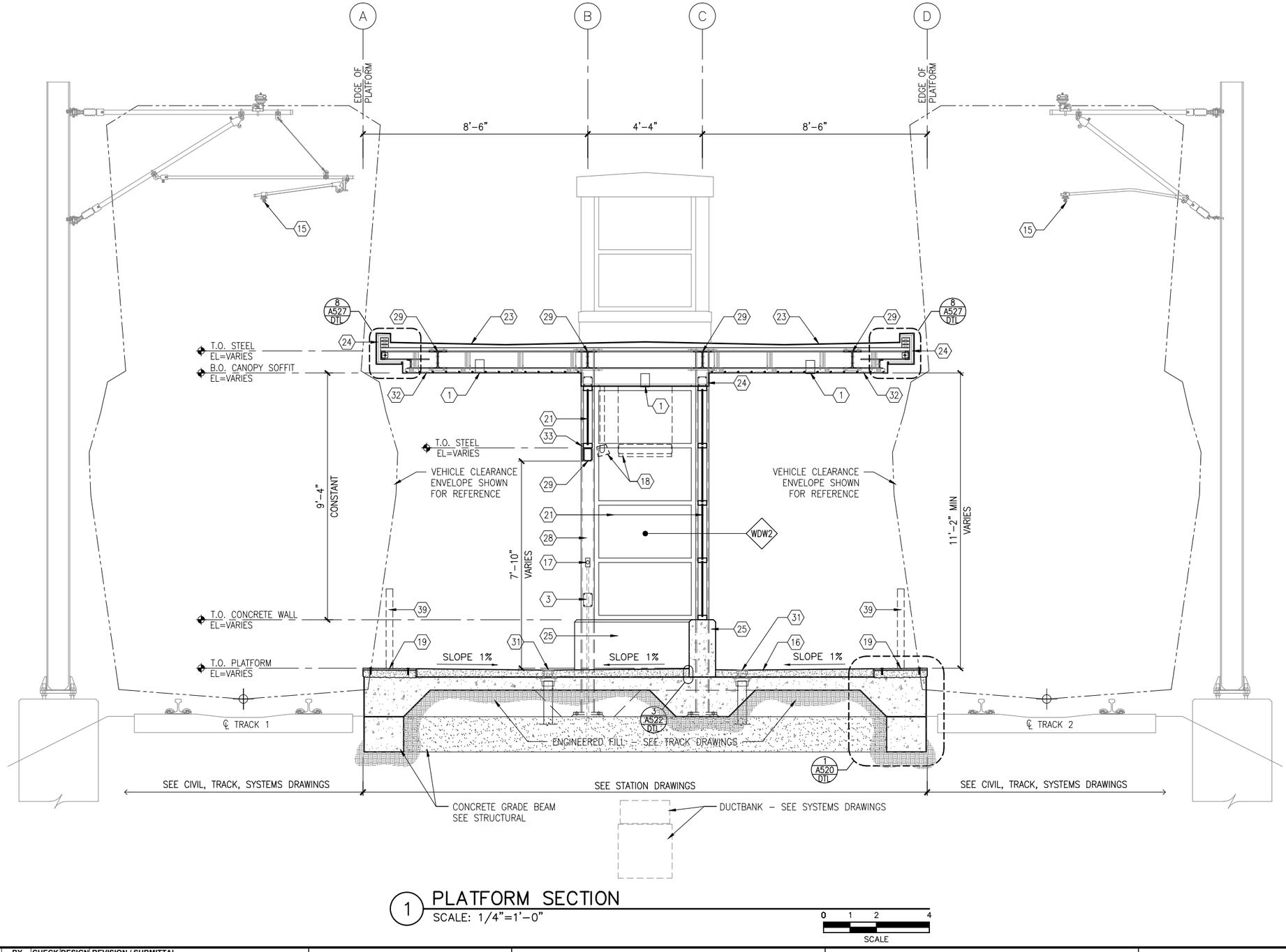
CIVIL - VOLUME 11C
BELTLINE STATION
TYPICAL PLATFORM SECTION

SHEET 275 OF 510

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-BLT-ARC-SCT-300

Jan. 18 2016 11:51 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-SCT-300.dwg By: MurphySP



1 PLATFORM SECTION

SCALE: 1/4"=1'-0"

0 1 2 4

SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA – SEE ELEC
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. EMERGENCY TELEPHONE – SEE ELEC
9. ROOF DRAIN – SEE PLUMBING
10. PRE-FINISHED METAL GUTTER
11. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYSTEMS (NIC)
16. CONCRETE PLATFORM
17. HEATER CONTROL – SEE ELEC
18. INFRARED HEATER – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. AREA DRAIN – SEE PLUMBING
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. PC CONC WALKWAY – SEE STRUCT
35. PC CONC STAIR – SEE STRUCT
36. PC CONC WALL PANEL
37. SECONDARY STEEL FRAMING – SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R– ROOF TYPE – SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

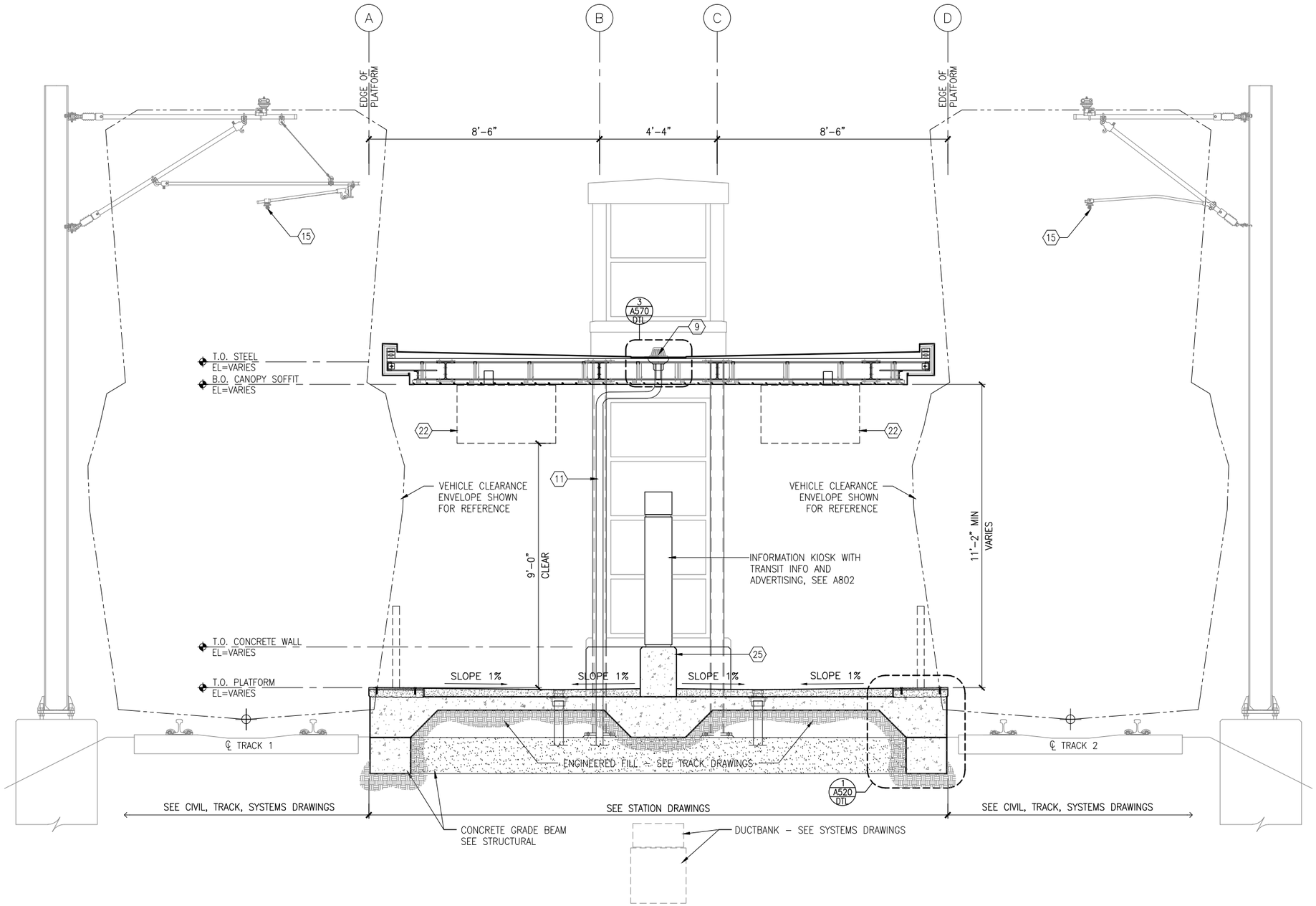
CIVIL - VOLUME 11C
BELTLINE STATION
PLATFORM SECTION

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-BLT-ARC-SCT-301

SHEET 276 OF 510

Jan. 18 2016 11:52 am V: \3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-SCT-301.dwg By: MurphySP



1 PLATFORM SECTION

SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS
4. SEE A300 & A301 FOR SIM NOTES, DIMS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA – SEE ELEC
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. EMERGENCY TELEPHONE – SEE ELEC
9. ROOF DRAIN – SEE PLUMBING
10. PRE-FINISHED METAL GUTTER
11. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYSTEMS (NIC)
16. CONCRETE PLATFORM
17. HEATER CONTROL – SEE ELEC
18. INFRARED HEATER – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. AREA DRAIN – SEE PLUMBING
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. PC CONC WALKWAY – SEE STRUCT
35. PC CONC STAIR – SEE STRUCT
36. PC CONC WALL PANEL
37. SECONDARY STEEL FRAMING – SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R– ROOF TYPE – SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

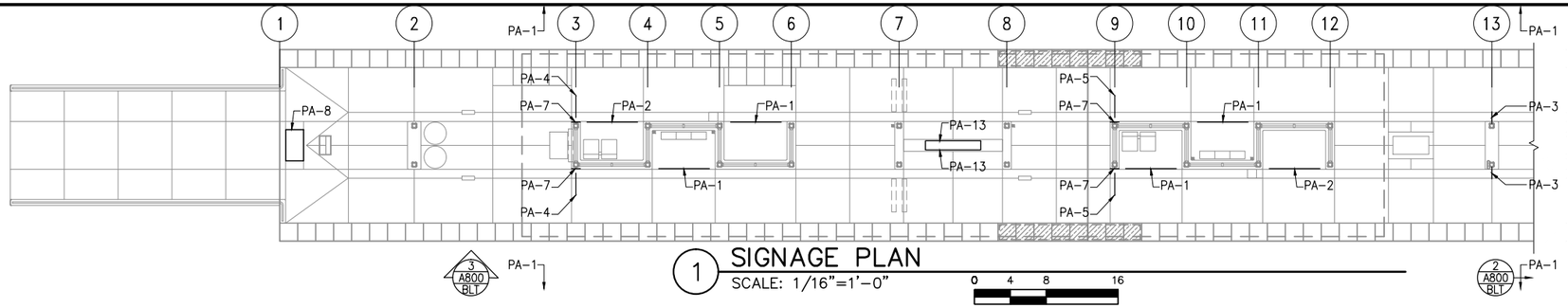
CIVIL - VOLUME 11C
BELTLINE STATION
PLATFORM SECTION

DISCIPLINE: ARCHITECTURE

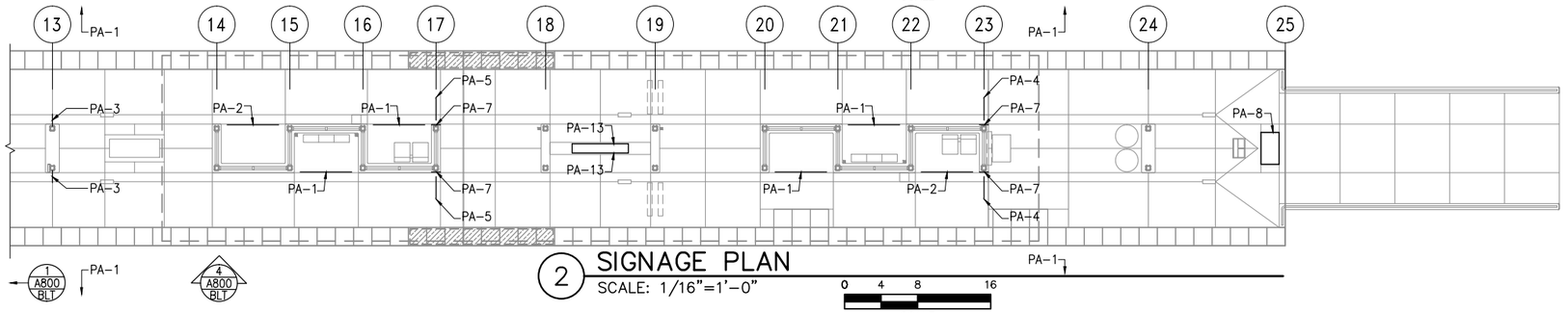
SHEET NAME: E2-BLT-ARC-SCT-302

SHEET 277 OF 510

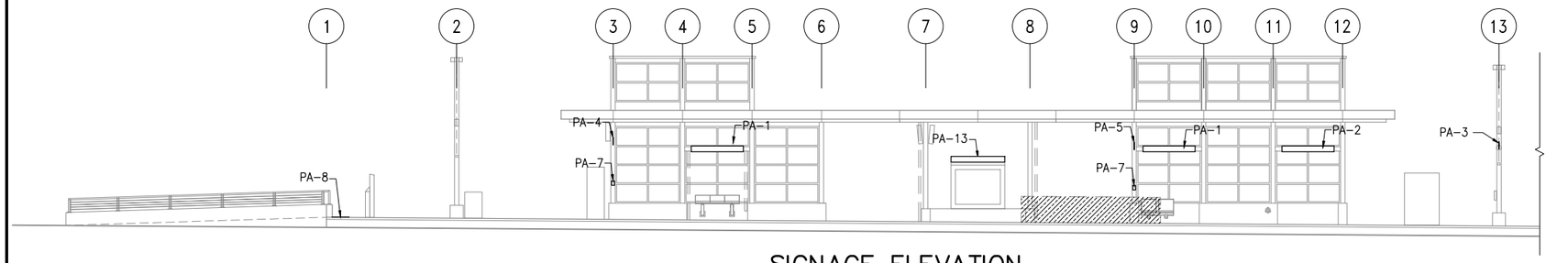
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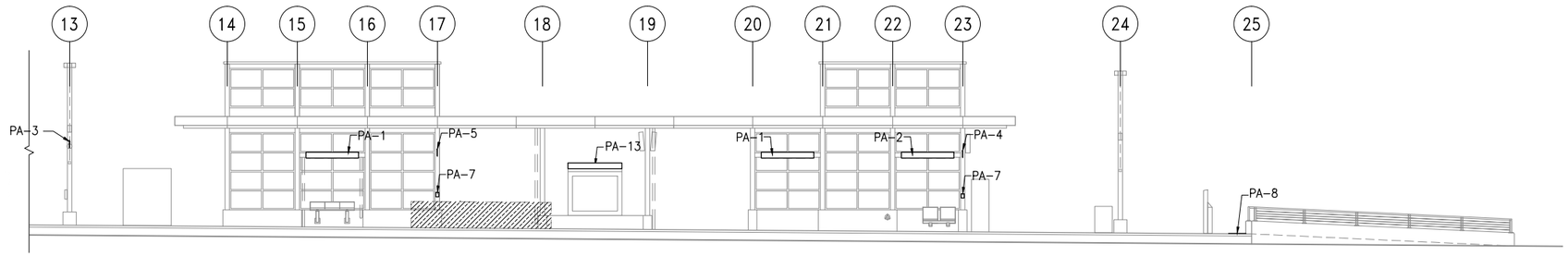
1 SIGNAGE PLAN
SCALE: 1/16"=1'-0"



2 SIGNAGE PLAN
SCALE: 1/16"=1'-0"



3 SIGNAGE ELEVATION
SCALE: 1/16"=1'-0"



4 SIGNAGE ELEVATION
SCALE: 1/16"=1'-0"

GENERAL SHEET NOTES

1. ALL SIGNAGE MOUNTING HEIGHTS ARE FROM CENTER LINE AT BOTTOM EDGE TO TOP OF PLATFORM
2. FOR SIGNS PA-1, PA-4, PA-5 SEE SHEET DTL A801 FOR MOUNTING
3. FOR SIGNS PA-6, PA-12, PA-13, PA-14, PA-15, PA-16 SEE KIOSK AND CABINET DETAILS FOR MOUNTING
4. SEE VOLUME 11E FOR COMMON DETAILS

SIGNAGE KEY

PA-1 PA-2	1 A801 DTL
PA-3 PA-4 PA-5	2 A801 DTL
PA-6	3 A801 DTL
PA-7	4 A801 DTL
PA-8	5 A801 DTL
PA-12	6 A801 DTL
PA-13 PA-14	7 A801 DTL
PA-15	3 A803 DTL
PA-16	2 A803 DTL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

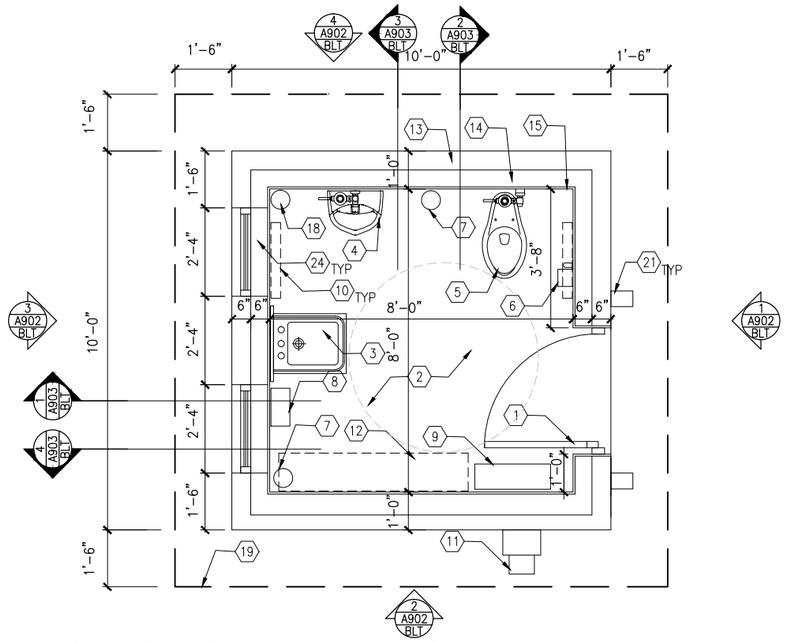
CIVIL - VOLUME 11C
BELTLINE STATION
SIGNAGE PLANS AND ELEVATIONS

DISCIPLINE: ARCHITECTURE

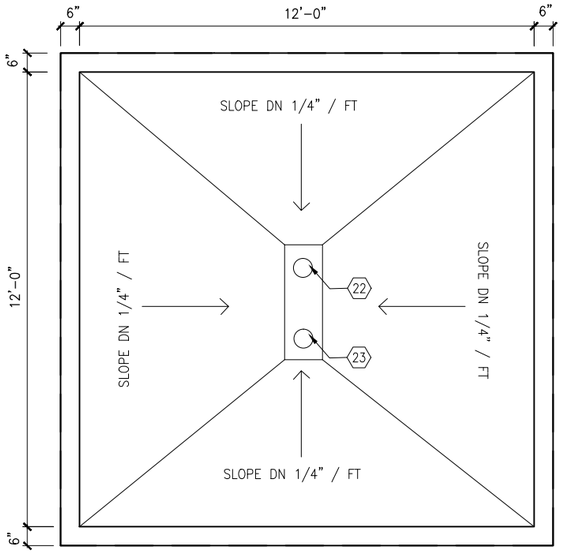
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SHEET 278 OF 510

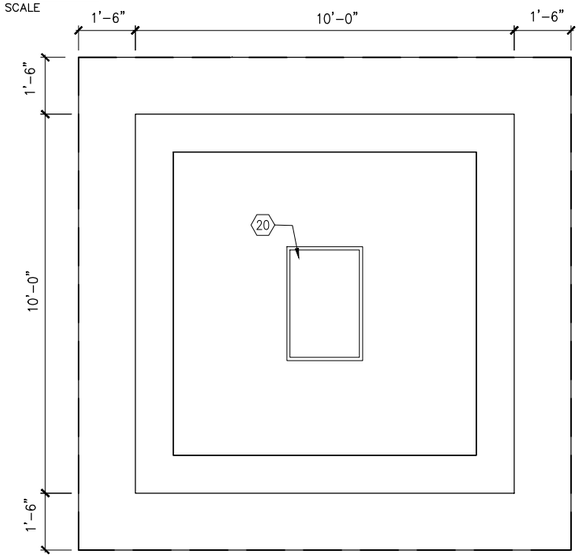
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1 REST ROOM FACILITY PLAN
SCALE: 1/4"=1'-0"



2 REST ROOM FACILITY ROOF PLAN
SCALE: 1/4"=1'-0"



3 REST ROOM FACILITY REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

GENERAL SHEET NOTES

1. SEE SHEET Axxx FOR SPECIFIC FINISH/COLOR.
2. SEE SHEET A101 FOR SITE PLAN

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. HOLLOW METAL DOOR W/CLOSER
2. CONCRETE FLOORING W/EPOXY COATING
3. LAVATORY SINK WITH MIRROR
4. URINAL
5. TOILET (FLOOR MOUNTED)
6. TOILET PAPER DISPENSER
7. FLOOR DRAIN
8. PAPER TOWEL DISPENSER
9. ELECTRICAL PANEL – SEE ELEC
10. BASE BOARD UNIT – SEE MECH
11. ELECTRIC METER – SEE ELEC
12. WATER METER – SEE MECH
13. CONCRETE BLOCK WALL
14. METAL STUD WALL W/FIBER GLASS INSULATION
15. GYPSUM BOARD
16. 6X6 COLUMN – SEE STRUC
17. CONCRETE PAD – SEE URD
18. RAIN WATER LEADER – SEE PLUM
19. CANOPY ABOVE
20. LED LIGHT FIXTURE
21. LED WALL MOUNTED LIGHT FIXTURE W/CAGE
22. METAL ROOF DRAIN W/PVC LEADER
23. METAL OVERFLOW DRAIN W/PVC LEADER
24. ALUMINUM WINDOW FRAMING SYSTEM WITH GLAZING (AT CEILING HEIGHT)
25. NOT USED
26. BIKE FIX-IT STATION – SEE URD
27. WAY FINDING SIGNAGE
28. NOT USED
29. EXHAUST WALL CAP
30. BIKE LOOPS – SEE URD

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

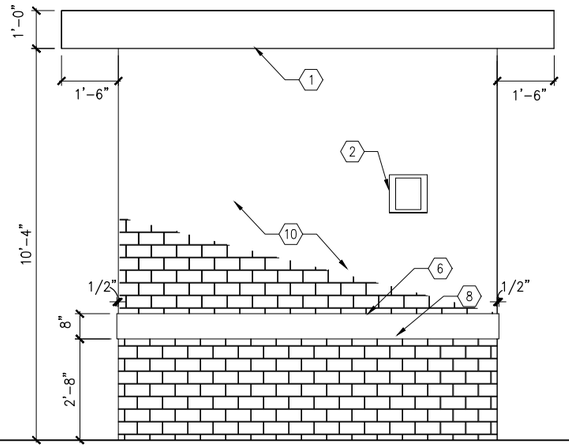
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BELTLINE STATION
BUS OPERATOR RESTROOM FACILITY
PLAN, ROOF PLAN, RCP

DISCIPLINE: ARCHITECTURE
SHEET NAME: E2-BLT-ARC-PLN-901

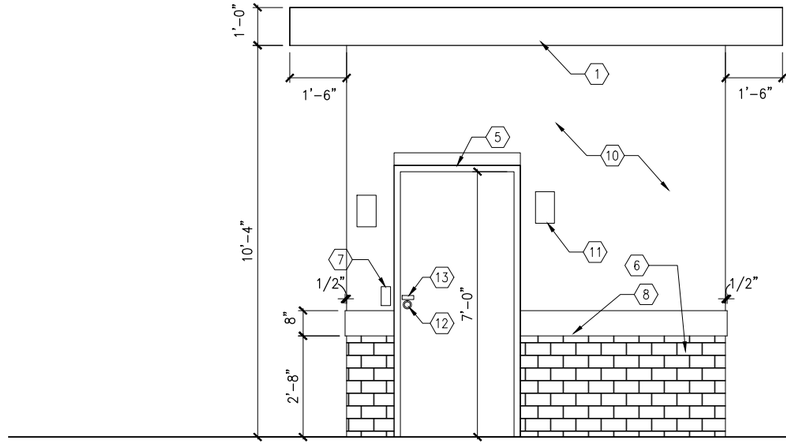
SHEET 279 OF 510

Jan, 18 2016 11:54 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-PLN-901.dwg By: MurphySP



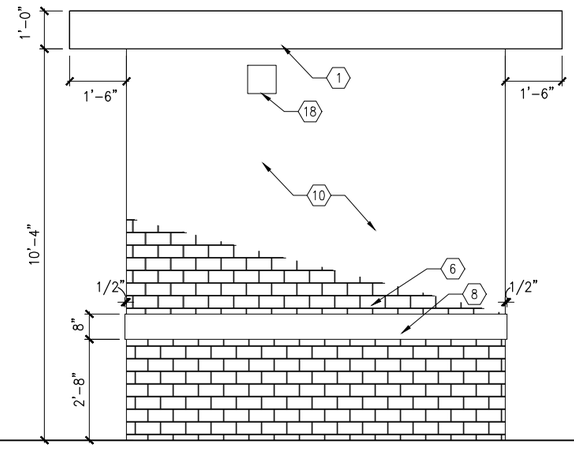
1 REST ROOM FACILITY – EAST ELEVATION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE



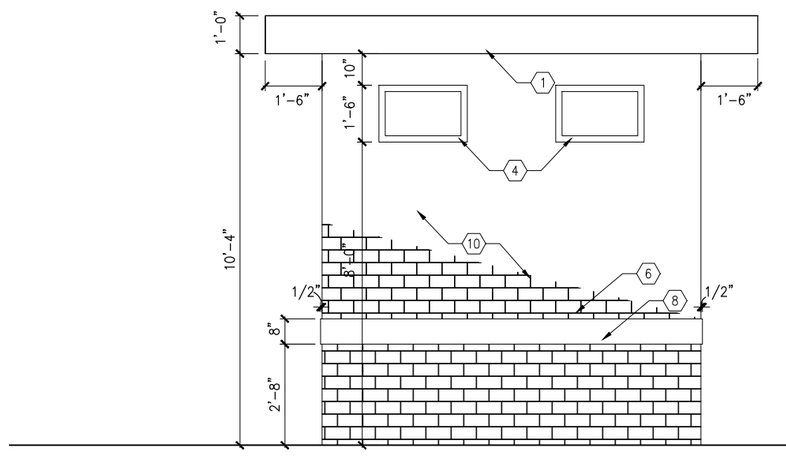
2 REST ROOM FACILITY – NORTH ELEVATION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE



3 REST ROOM FACILITY – WEST ELEVATION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE



4 REST ROOM FACILITY – SOUTH ELEVATION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

GENERAL SHEET NOTES

1. SEE SHEET Axxx FOR SPECIFIC FINISH/COLOR.

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ROOF/FASCIA
2. ELEC METER – SEE ELEC
3. STEEL COLUMN – SEE STRUC
4. ALUMINUM GLASS WINDOW SYSTEM
5. SOLID METAL DOOR W/METAL FRAME
6. BURNSIHED BLOCK ACCENT BAND
7. RFID CARD READER
8. BURNISHED BLOCK ACCENT COURSE
9. COLUMNS – SEE STRUC
10. CONCRETE BURNISHED BLOCK WALL
11. WALL LIGHT
12. LOCK FOR C-KEY
13. DISPLAY "VACANT / OCCUPIED"
14. BIKE PARKING LOOPS – SEE URD
15. BIKE FIX IT STATION – SEE URD
16. WAYFINDING SIGNAGE
17. NOT USED
18. EXHAUST WALL CAP

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

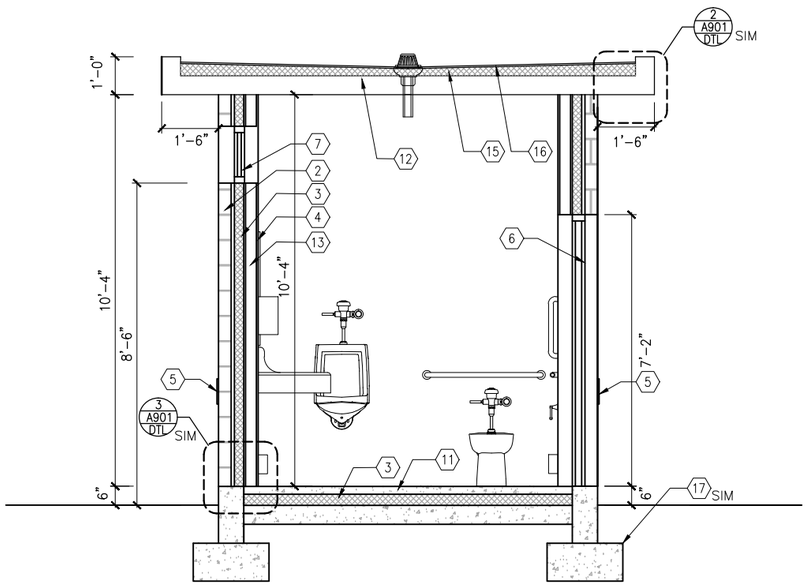
CIVIL - VOLUME 11C
BELTLINE STATION
BUS OPERATOR RESTROOM FACILITY
ELEVATIONS

DISCIPLINE: ARCHITECTURE

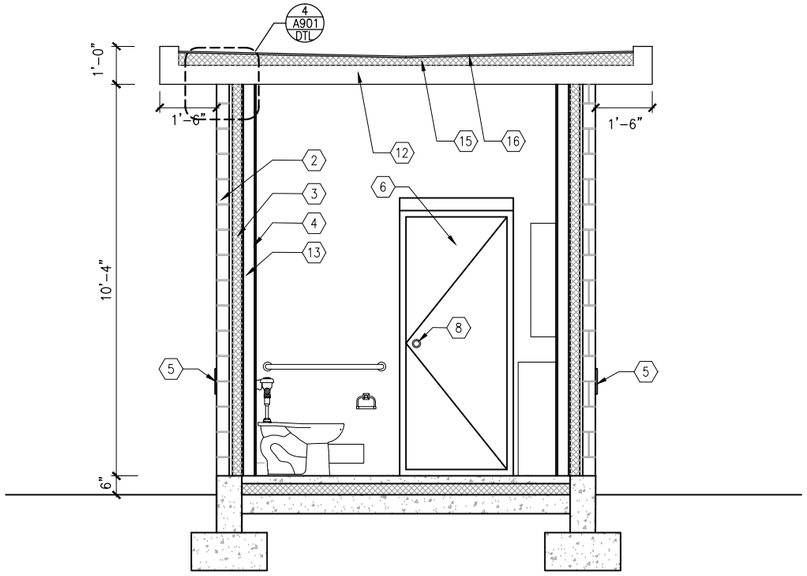
SHEET NAME: E2-BLT-ARC-ELV-902

SHEET 280 OF 510

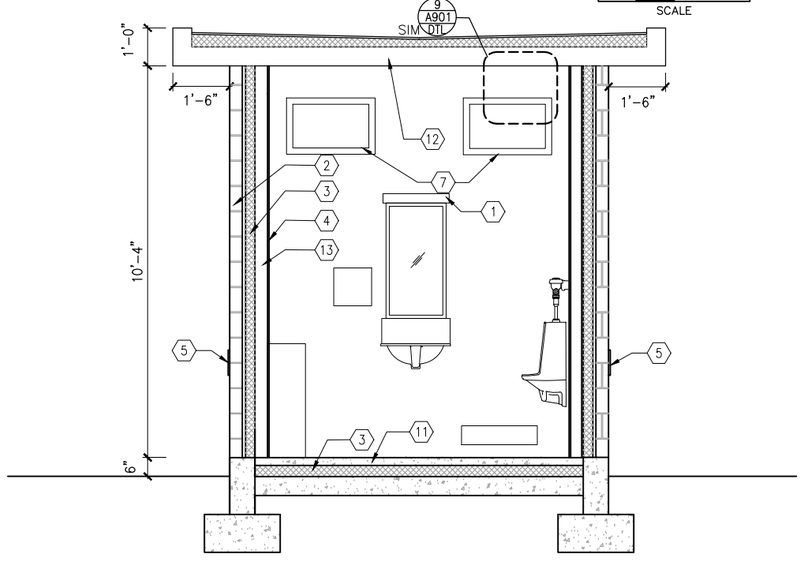
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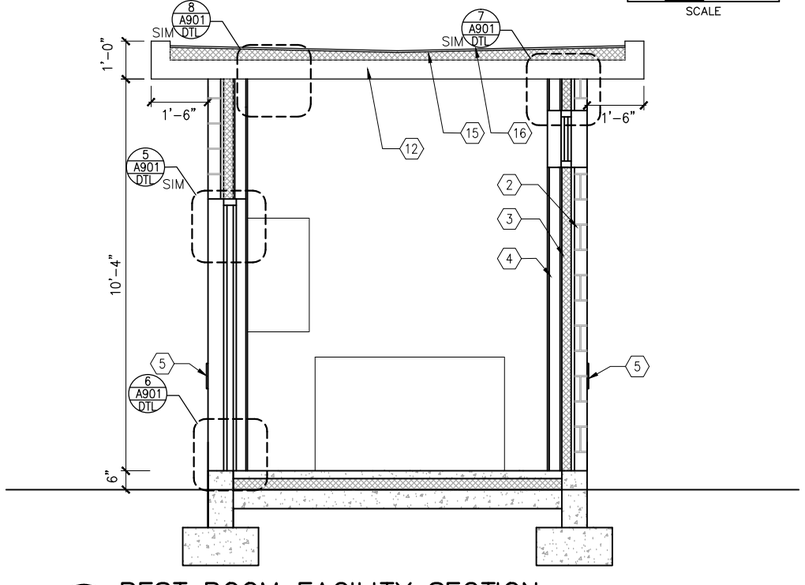
1 REST ROOM FACILITY SECTION
SCALE: 1/4"=1'-0"



2 REST ROOM FACILITY SECTION
SCALE: 1/4"=1'-0"



3 REST ROOM FACILITY SECTION
SCALE: 1/4"=1'-0"



4 REST ROOM FACILITY SECTION
SCALE: 1/4"=1'-0"

GENERAL SHEET NOTES

1. SEE SHEET Axxx FOR SPECIFIC FINISH/COLOR.

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT FIXTURE
2. BURNISHED CONCRETE BLOCKS
3. 3" EPS
4. GYPSUM BOARD
5. 1/2" BURNISHED BLOCK ACCENT COURSE
6. HOLLOW METAL DOOR WITH CLOSER
7. ALUMINUM WINDOW FRAMING SYSTEM
8. INTERNAL LOCK WITH VACANT/OCCUPIED DISPLAY
9. COAT/BAG HOOK
10. SHEATHING
11. FINISHED CONCRETE FLOORING WITH EPOXY COATING
12. METAL DECK
13. METAL STUDS W/BATT INSULATION
14. NOT USED
15. ROOF INSULATION (EPS)
16. ROOFING SYSTEM
17. CONCRETE SLAB AND FOOTING – SEE STRUC
18. 6X6 COLUMN – SEE STRUC
19. CONCRETE PAVING – SEE URD
20. STAINLESS STEEL SUPPORT BAR

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

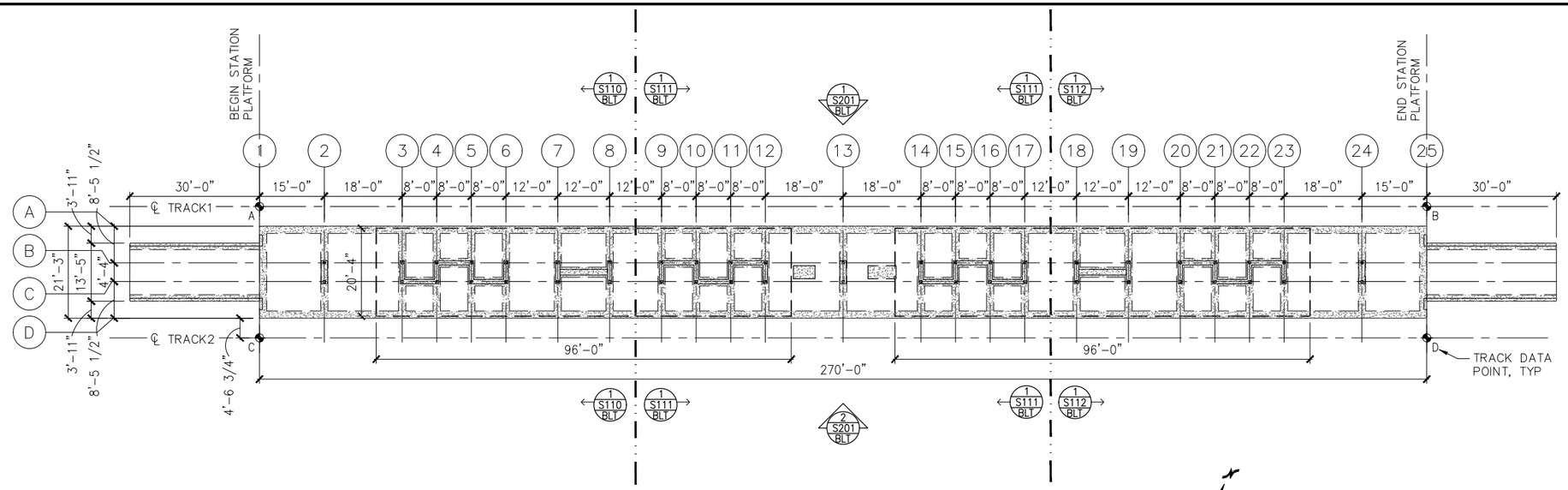
CIVIL - VOLUME 11C
BELTLINE STATION
BUS OPERATOR RESTROOM FACILITY
SECTIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E2-BLT-ARC-SCT-903

SHEET 281 OF 510

Jan, 18 2016 11:55 am v:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-SCT-903.dwg By: MurphySP



1 PLATFORM FOUNDATION PLAN

SCALE: 1:30

SCALE 0 2 4 8

TRACK DATA

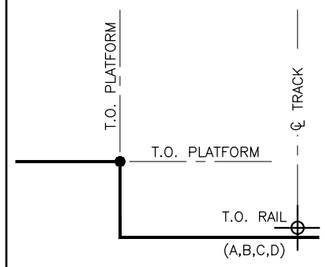
℄ ELEV 100'-0" (LOCATION ON PLAN)

TRACK 1 EL 100'-0"= 886.10 (PT 'B')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING	
A	888.09	1712+80.77	
B	886.10	1715+50.77	

TRACK 2 EL 100'-0"= 886.10 (PT 'D')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING	
C	888.09	2712+80.77	
D	886.10	2715+50.77	



SECTION DIAGRAM AT PLATFORM EDGE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BELTLINE STATION
PLATFORM FOUNDATION PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E2-BLT-STR-PLN-101

SHEET 282 OF 510

Jan, 14 2016 04:37 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E2\PLAN SHEETS\STRUCTURES\BELTLINE STATION\E2-BLT-STR-PLN-101.dwg By: jordanl

BELTLINE

BELTLINE STATION PLATFORM

REFERENCE GRID	DISTANCE FROM BEGIN PLATFORM (FT)	T.O. TOPPING ELEVATION	T.O. STR. SLAB ELEVATION	T.O. TOPPING ELEVATION AT "L7"	B.O. BASEPLATE ELEVATION	T.O. WALL ELEVATION	T.O. LOWER HSS4X6 ELEVATION	T.O. UPPER HSS4X6 ELEVATION	T.O. W8X31 ELEVATION	T.O. W6X15 ELEVATION	T.O. HSS6X6X1/2 ELEVATION	H1 (T.O. SLAB TO T.O. WALL) (FT)
1	0	889.26	888.93	889.19								
2	15	889.15	888.82	889.08	887.40	890.65					907.65	1.83
3	33	889.02	888.69	888.95	887.27	890.89	897.39	902.56	901.06	907.56	907.56	2.20
4	41	888.96	888.63	888.89	887.21	890.89	897.39	902.56	901.06	907.56	907.56	2.26
5	49	888.90	888.57	888.83	887.15	890.89	897.39	902.56	901.06	907.56	907.56	2.32
6	57	888.84	888.51	888.77	887.09	890.89	897.39		901.06			2.38
7	**69**	**888.75**	**888.42**	**888.68**	**887.00**	**890.25**			**901.06**			**1.83**
8	**81**	**888.67**	**888.33**	**888.60**	**886.92**	**890.25**			**901.06**			**1.92**
9	93	888.58	888.24	888.51	886.83	890.89	897.39	902.56	901.06	907.56	907.56	2.65
10	101	888.52	888.18	888.45	886.77	890.89	897.39	902.56	901.06	907.56	907.56	2.71
11	109	888.46	888.12	888.39	886.71	890.89	897.39	902.56	901.06	907.56	907.56	2.77
12	117	888.40	888.07	888.33	886.65	890.89	897.39	902.56	901.06	907.56	907.56	2.83
13	135	888.27	887.93	888.20	886.52	889.77					906.77	1.83
14	153	888.13	887.80	888.06	886.38	890.00	896.50	901.67	900.17	906.67	906.67	2.20
15	161	888.07	887.74	888.00	886.32	890.00	896.50	901.67	900.17	906.67	906.67	2.26
16	169	888.01	887.68	887.94	886.26	890.00	896.50	901.67	900.17	906.67	906.67	2.32
17	177	887.95	887.62	887.88	886.20	890.00	896.50	901.67	900.17	906.67	906.67	2.38
18	**189**	**887.87**	**887.53**	**887.80**	**886.12**	**889.37**			**900.17**			**1.83**
19	**201**	**887.78**	**887.44**	**887.71**	**886.03**	**889.37**			**900.17**			**1.92**
20	213	887.69	887.36	887.62	885.94	890.00	896.50		900.17			2.65
21	221	887.63	887.30	887.56	885.88	890.00	896.50	901.67	900.17	906.67	906.67	2.71
22	229	887.57	887.24	887.50	885.82	890.00	896.50	901.67	900.17	906.67	906.67	2.77
23	237	887.51	887.18	887.44	885.76	890.00	896.50	901.67	900.17	906.67	906.67	2.83
24	255	887.38	887.04	887.31	885.63	888.88					905.88	1.83
25	270	887.27	886.93	887.20								

GENERAL NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.

REFERENCE TABLE NOTES

1. TOP OF PLATFORM ELEVATION (TOPPING SLAB) SHALL BE 4"(±) ABOVE TOP OF STRUCTURAL SLAB ELEVATION AS INDICATED IN TABLE.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

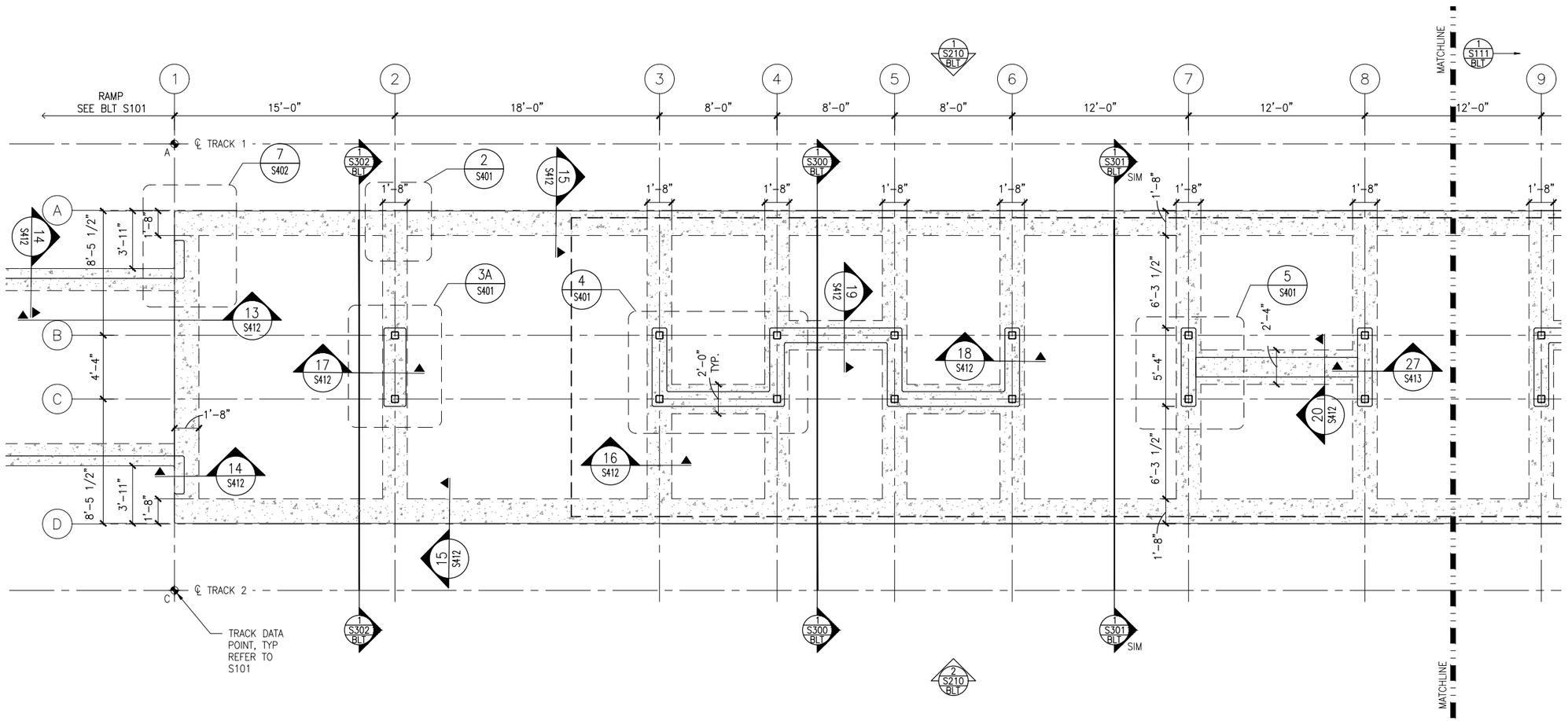
CIVIL - VOLUME 11C
BELTLINE STATION
STATION REFERENCE TABLE

DISCIPLINE: STRUCTURES

SHEET NAME: E2-BLT-STR-SCH-102

SHEET 283 OF 510

Jan. 14 2016 04:40 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E2\PLAN SHEETS\STRUCTURES\BELTLINE STATION\E2-BLT-STR-SCH-102.dwg By: jordanl



1 WEST PARTIAL FOUNDATION PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.
3. SEE VOLUME 11E FOR COMMON DETAILS.

FLOOR PLAN NOTES

1. FOR HEIGHTS AND LOCATIONS OF KNEE WALLS, SEE ARCH. DWGS.
2. FOR TYPICAL COLUMN BASE PLATE DETAILS SEE DWG. XXXXXX.
3. "GB-X" INDICATES GRADE BEAM MARK.
4. SLAB ON GRADE SHALL BEAR ON ENGINEERED FILL, REINF. W/ 4x4-W4.0xW4.0 W.W.F. TOP, W/ 1" CLR. COVER.

SCHEDULES or LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

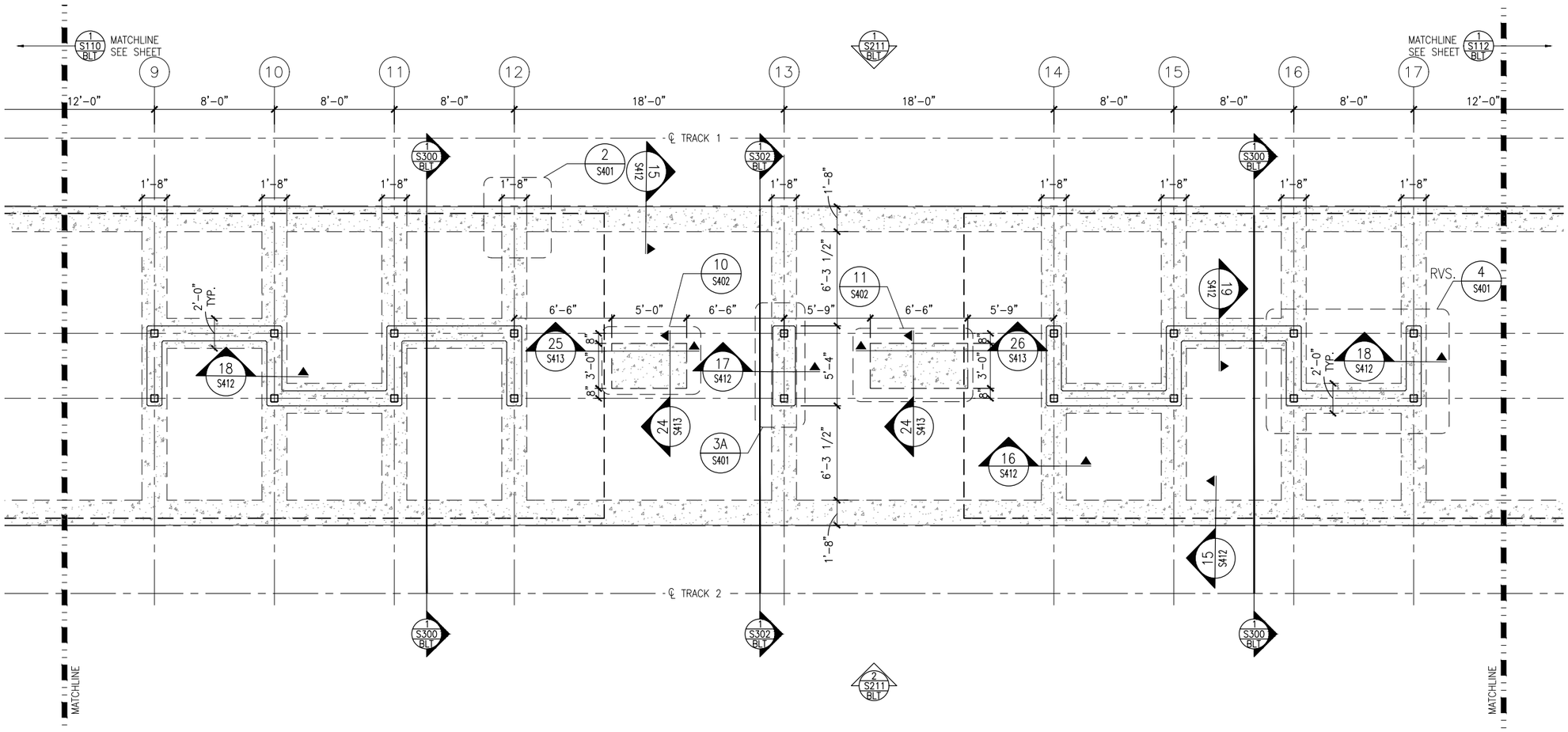
CIVIL - VOLUME 11C
BELTLINE STATION
WEST PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E2-BLT-STR-PLN-110

SHEET 284 OF 510

Jan, 14 2016 04:41 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E2\PLAN SHEETS\STRUCTURES\BELTLINE STATION\E2-BLT-STR-PLN-110.dwg By: jordanl



1 MIDDLE PARTIAL FOUNDATION PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.
3. SEE VOLUME 11E FOR COMMON DETAILS.

FLOOR PLAN NOTES

1. FOR HEIGHTS AND LOCATIONS OF KNEE WALLS, SEE ARCH. DWGS.
2. FOR TYPICAL COLUMN BASE PLATE DETAILS SEE DWG. XXXXXX.
3. "GB–X" INDICATES GRADE BEAM MARK.
4. SLAB ON GRADE SHALL BEAR ON ENGINEERED FILL, REINF. W/ 4x4–W4.0xW4.0 W.W.F. TOP, W/ 1" CLR. COVER.

SCHEDULES or LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

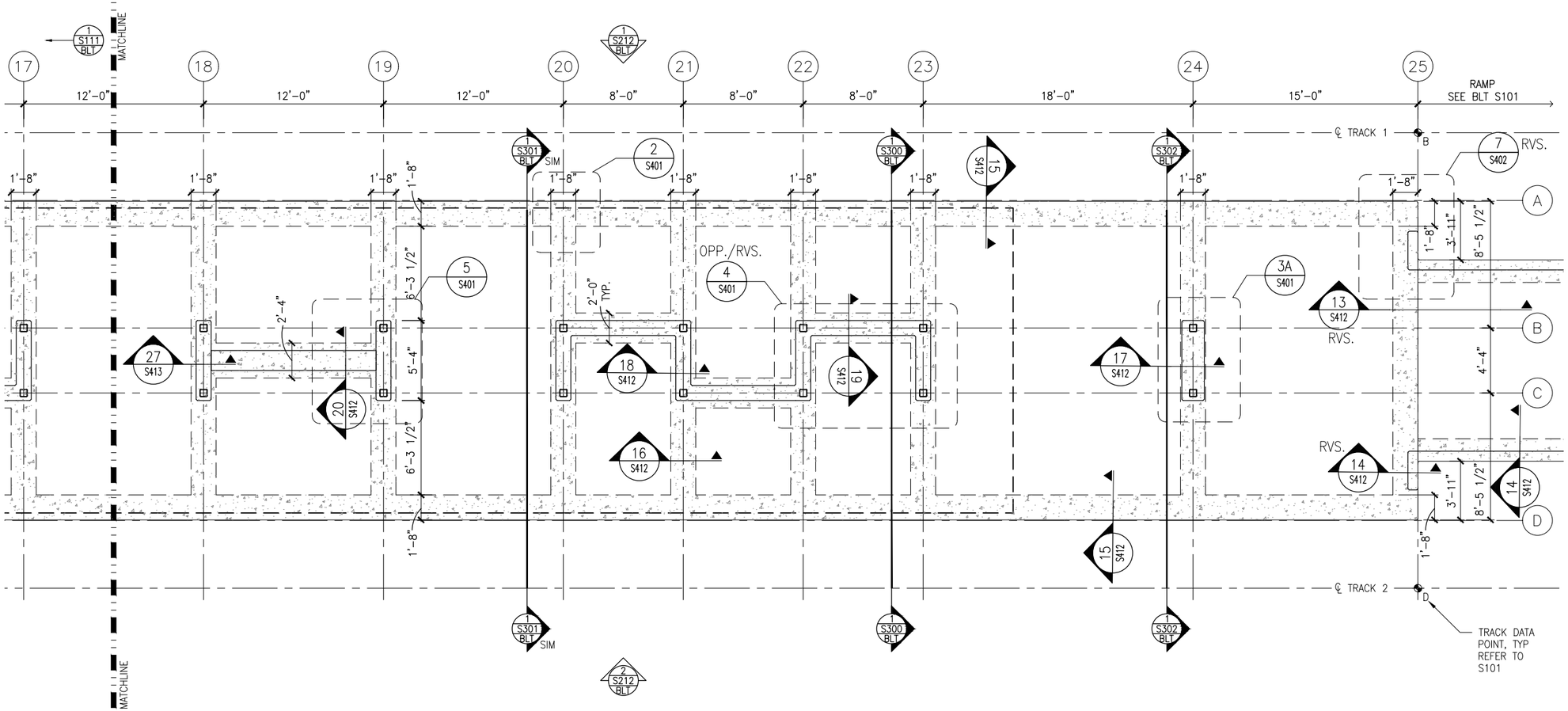
CIVIL - VOLUME 11C
BELTLINE STATION
MIDDLE PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E2-BLT-STR-PLN-111

SHEET 285 OF 510

Jan, 14 2016 04:41 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E2\PLAN SHEETS\STRUCTURES\BELTLINE STATION\E2-BLT-STR-PLN-111.dwg By: jordanl



1 EAST PARTIAL FOUNDATION PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.
3. SEE VOLUME 11E FOR COMMON DETAILS.

FLOOR PLAN NOTES

1. FOR HEIGHTS AND LOCATIONS OF KNEE WALLS, SEE ARCH. DWGS.
2. FOR TYPICAL COLUMN BASE PLATE DETAILS SEE DWG. XXXXXX.
3. "GB-X" INDICATES GRADE BEAM MARK.
4. SLAB ON GRADE SHALL BEAR ON ENGINEERED FILL, REINF. W/ 4x4-W4.0xW4.0 W.W.F. TOP, W/ 1" CLR. COVER.

SCHEDULES or LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

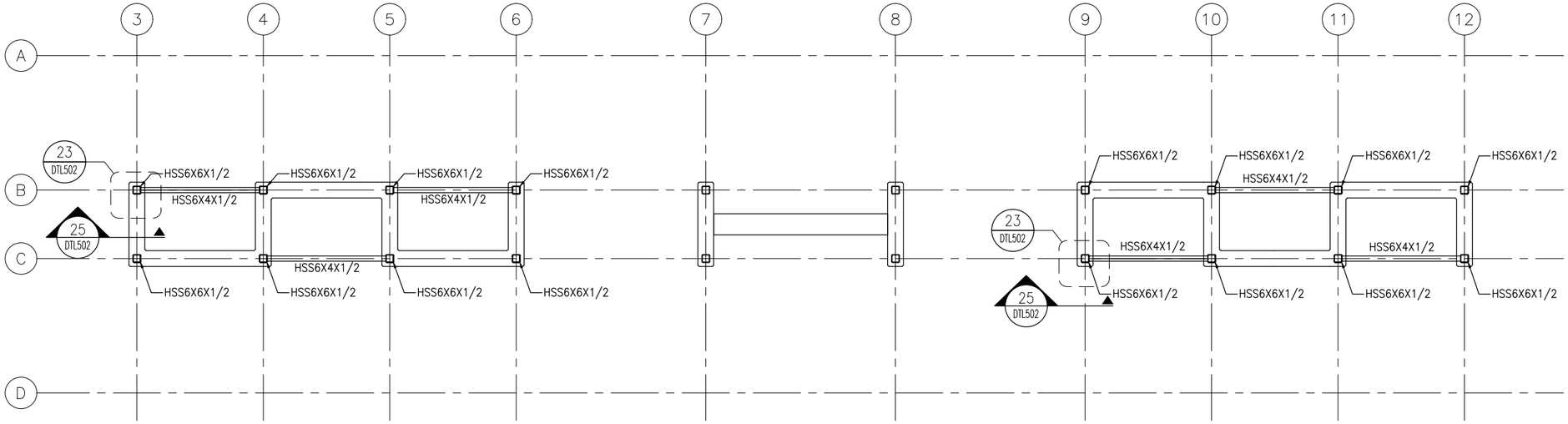
CIVIL - VOLUME 11C
BELTLINE STATION
EAST PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES

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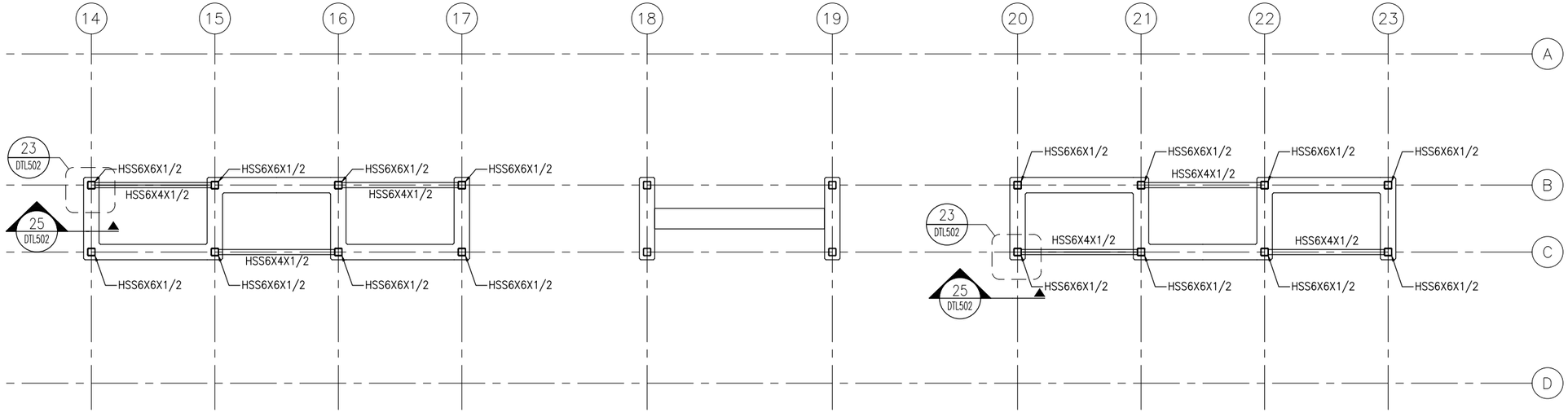
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1 INTERMEDIATE FRAMING PLAN – WEST CANOPY
SCALE: 1/8"=1'–0"

SCALE 0 2 4 8



2 INTERMEDIATE FRAMING PLAN – EAST CANOPY
SCALE: 1/8"=1'–0"

SCALE 0 2 4 8

SHEET NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.
3. SEE VOLUME 11E FOR COMMON DETAILS.

KEY NOTES

1. [ ] INDICATES SPAN DIRECTION OF ROOF METAL DECK. SEE ARCH. DWGS.
2. [ ] DENOTES PREQUALIFIED SHOP OR FIELD WELDED CONNECTION.
3. BC DENOTES BOLTED CONNECTION, FOR TYPICAL BEAM TO BEAM BOLTED CONNECTIONS AND SIMILAR DETAILS SEE DWG. XXXXXXX & XXXXXXX

LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

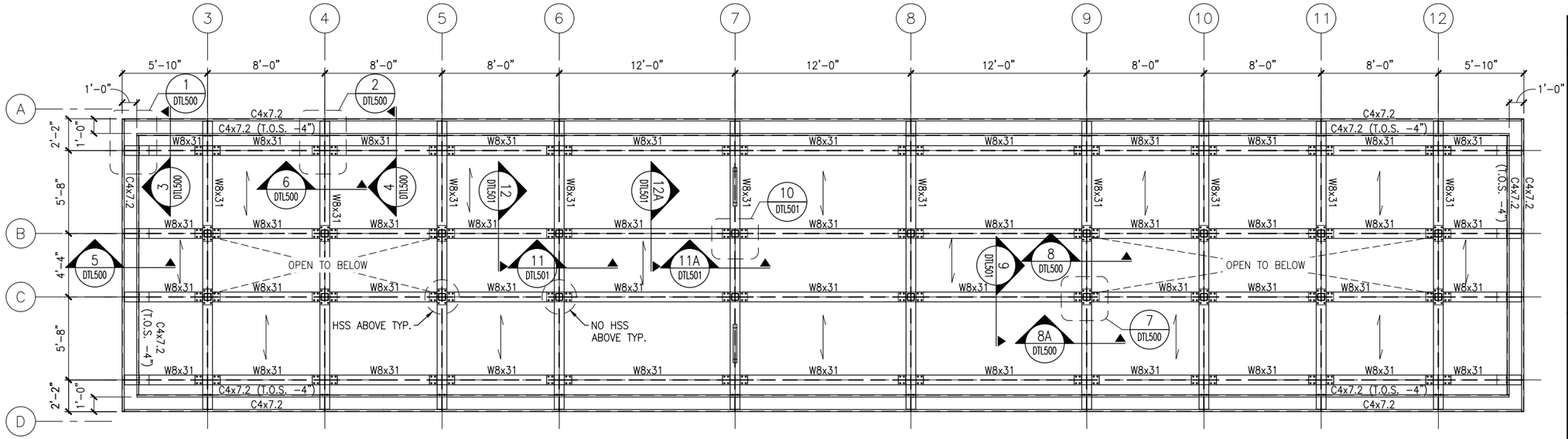
CIVIL - VOLUME 11C
BELTLINE STATION
INTERMEDIATE FRAMING PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E2-BLT-STR-PLN-140

SHEET 287 OF 510

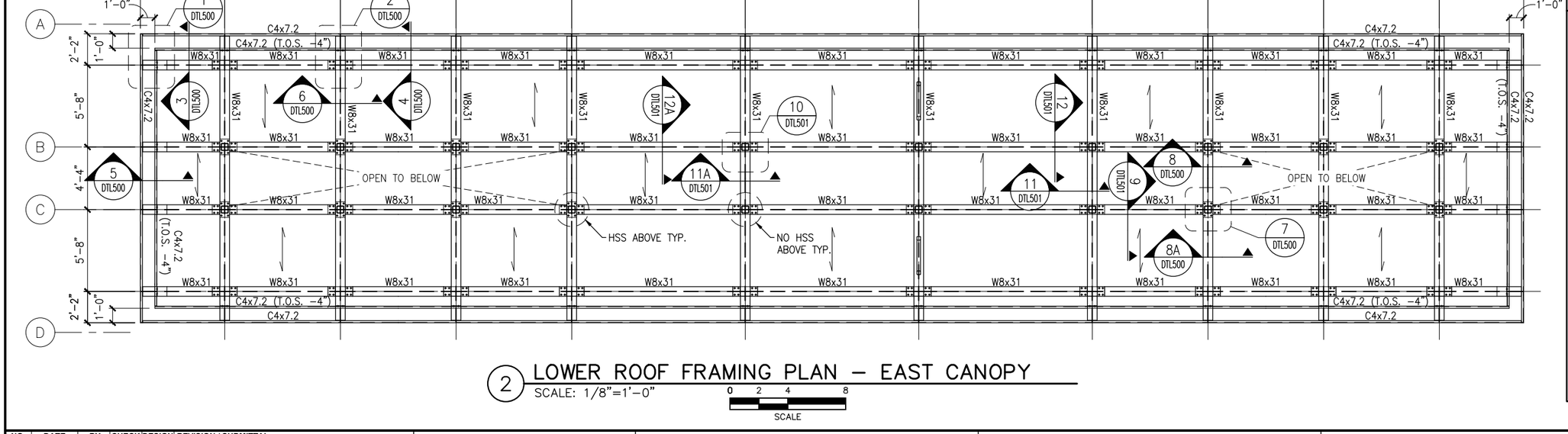
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1 LOWER ROOF FRAMING PLAN – WEST CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 LOWER ROOF FRAMING PLAN – EAST CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

SHEET NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.
3. SEE VOLUME 11E FOR COMMON DETAILS.

KEY NOTES

1. [ ] INDICATES SPAN DIRECTION OF ROOF METAL DECK. SEE ARCH. DWGS.
2. [ ] DENOTES PREQUALIFIED SHOP OR FIELD WELDED CONNECTION.
3. BC DENOTES BOLTED CONNECTION, FOR TYPICAL BEAM TO BEAM BOLTED CONNECTIONS AND SIMILAR DETAILS SEE DWG. XXXXXXX & XXXXXXX

LEGEND

STEEL COLUMN

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SOUTHWEST Green Line LRT Extension

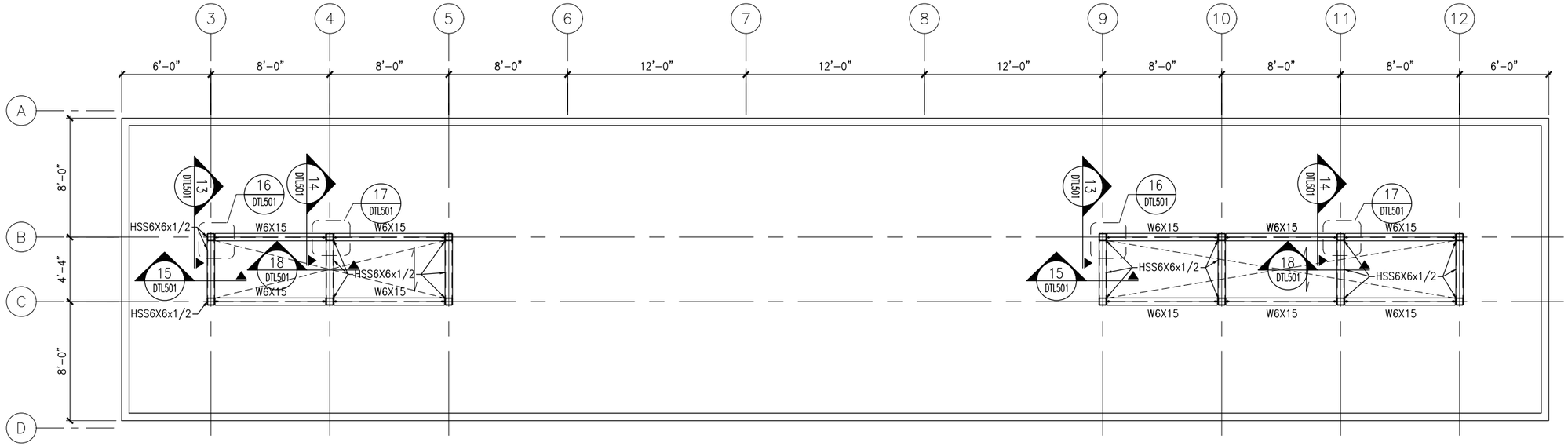
CIVIL - VOLUME 11C
BELTLINE STATION
LOWER ROOF FRAMING PLANS

SHEET 288 OF 510

DISCIPLINE: STRUCTURES

SHEET NAME: E2-BLT-STR-PLN-150

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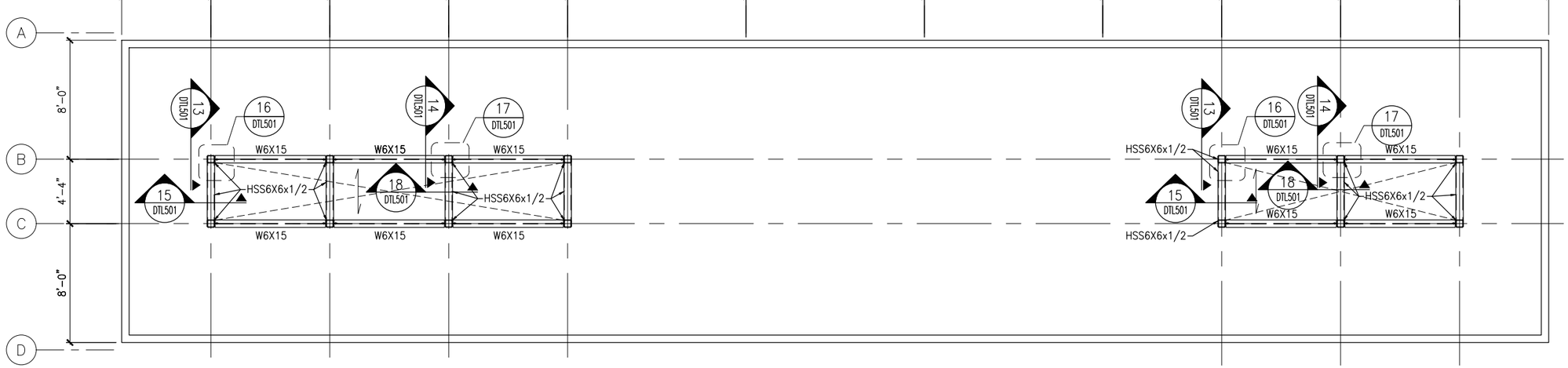


1 UPPER ROOF FRAMING PLAN – WEST CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8

SCALE



2 UPPER ROOF FRAMING PLAN – EAST CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8

SCALE

SHEET NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.
3. SEE VOLUME 11E FOR COMMON DETAILS.

KEY NOTES

1. [ ] INDICATES SPAN DIRECTION OF ROOF METAL DECK. SEE ARCH. DWGS.
2. [ ] DENOTES PREQUALIFIED SHOP OR FIELD WELDED CONNECTION.
3. BC DENOTES BOLTED CONNECTION, FOR TYPICAL BEAM TO BEAM BOLTED CONNECTIONS AND SIMILAR DETAILS SEE DWG. XXXXXXX & XXXXXXX

LEGEND

STEEL COLUMN

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SOUTHWEST Green Line LRT Extension

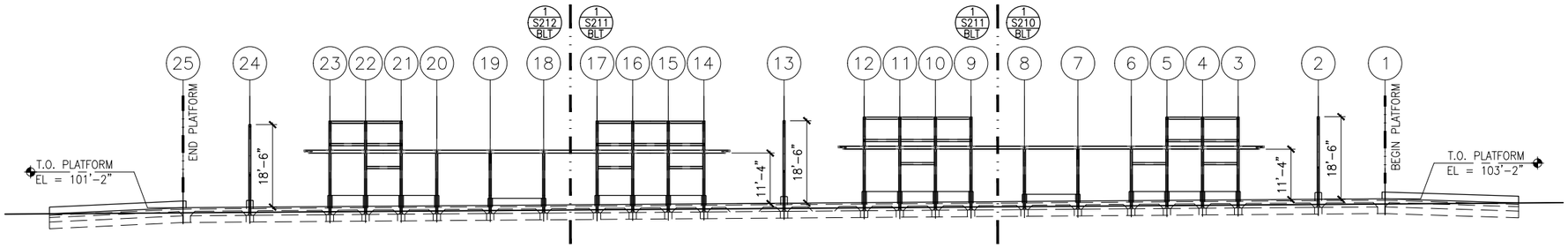
CIVIL - VOLUME 11C
BELTLINE STATION
UPPER ROOF FRAMING PLANS

DISCIPLINE: STRUCTURES

SHEET NAME: E2-BLT-STR-PLN-151

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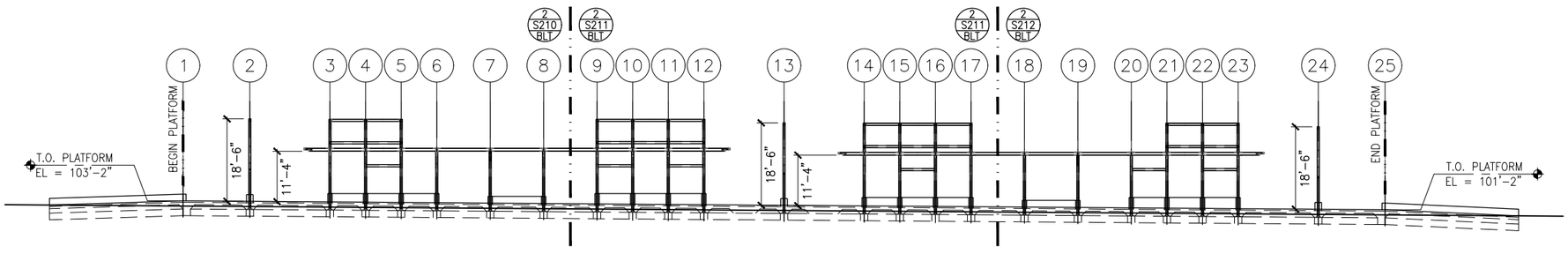


1 TRACK 1 ELEVATION – FRAMING

SCALE: 1:30 (–0.74% SLOPE)*

0 7.5 15 30

SCALE



2 TRACK 2 ELEVATION – FRAMING

SCALE: 1:30 (–0.74% SLOPE)*

0 7.5 15 30

SCALE

*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

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SOUTHWEST Green Line LRT Extension

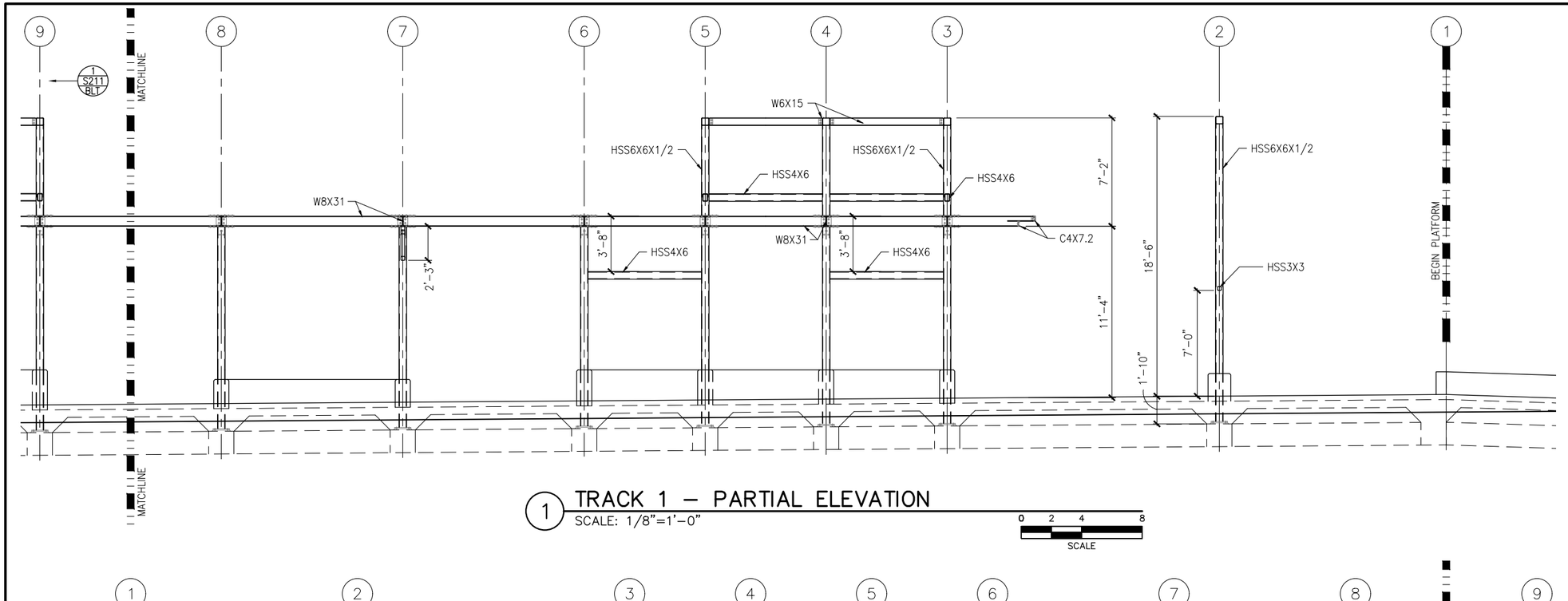
CIVIL - VOLUME 11C
BELTLINE STATION
ELEVATIONS -- FRAMING

DISCIPLINE: STRUCTURES

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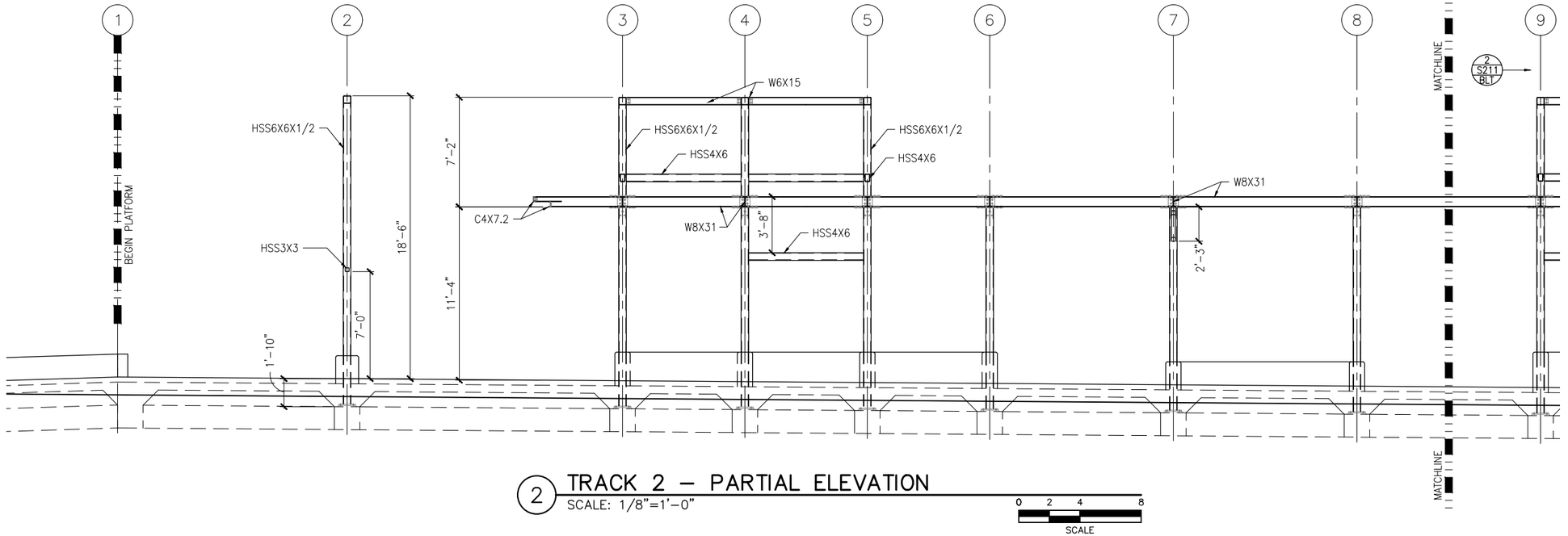
SHEET 290 OF 510

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1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

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SOUTHWEST Green Line LRT Extension

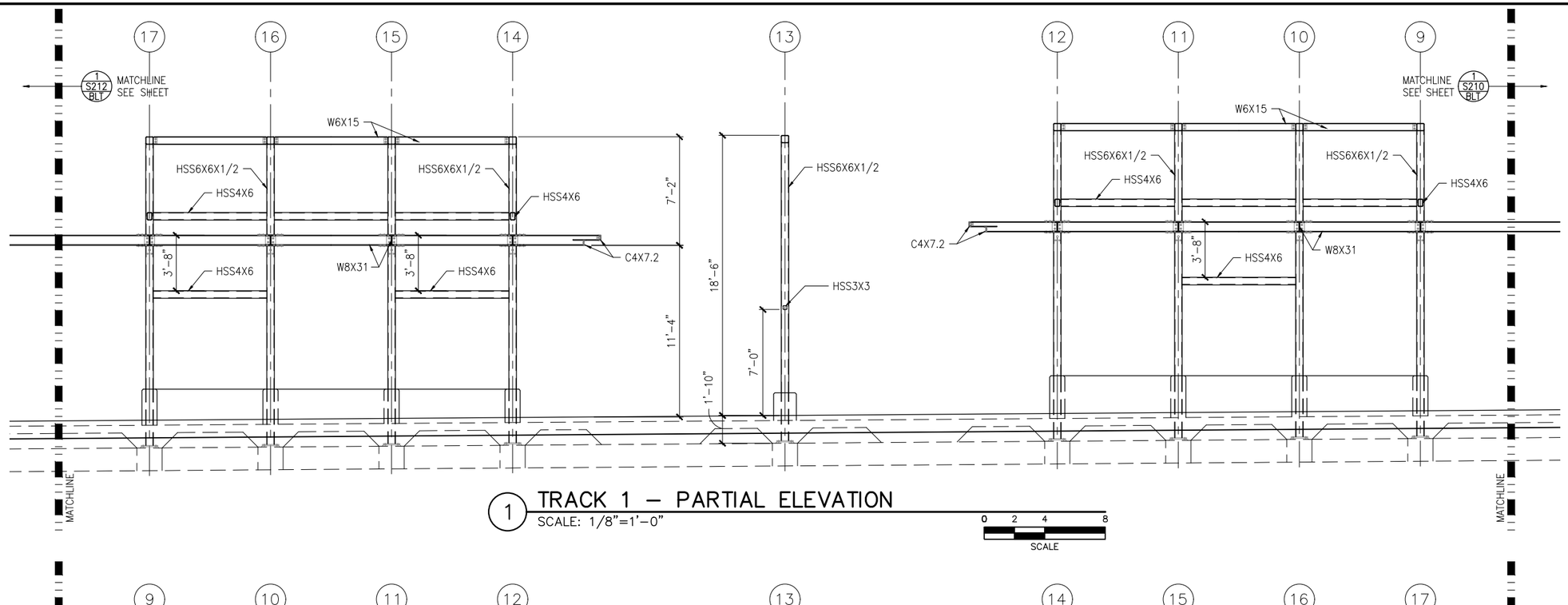
CIVIL - VOLUME 11C
BELTLINE STATION
WEST PARTIAL ELEVATIONS -- FRAMING

SHEET 291 OF 510

DISCIPLINE: STRUCTURES

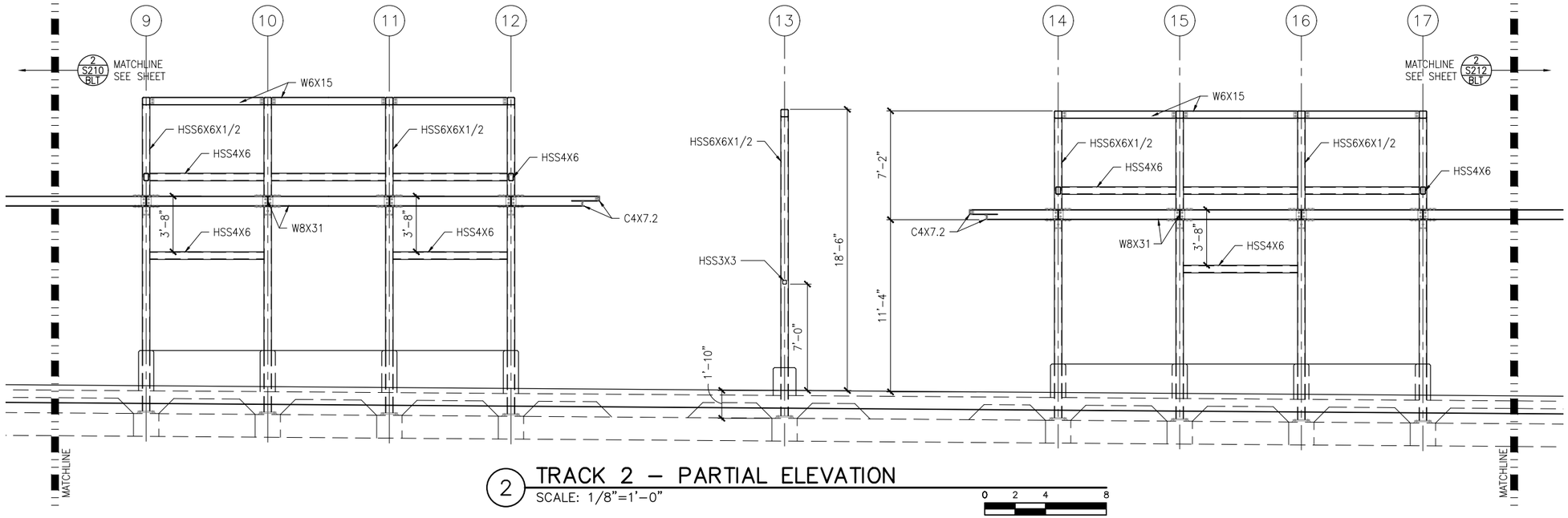
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1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

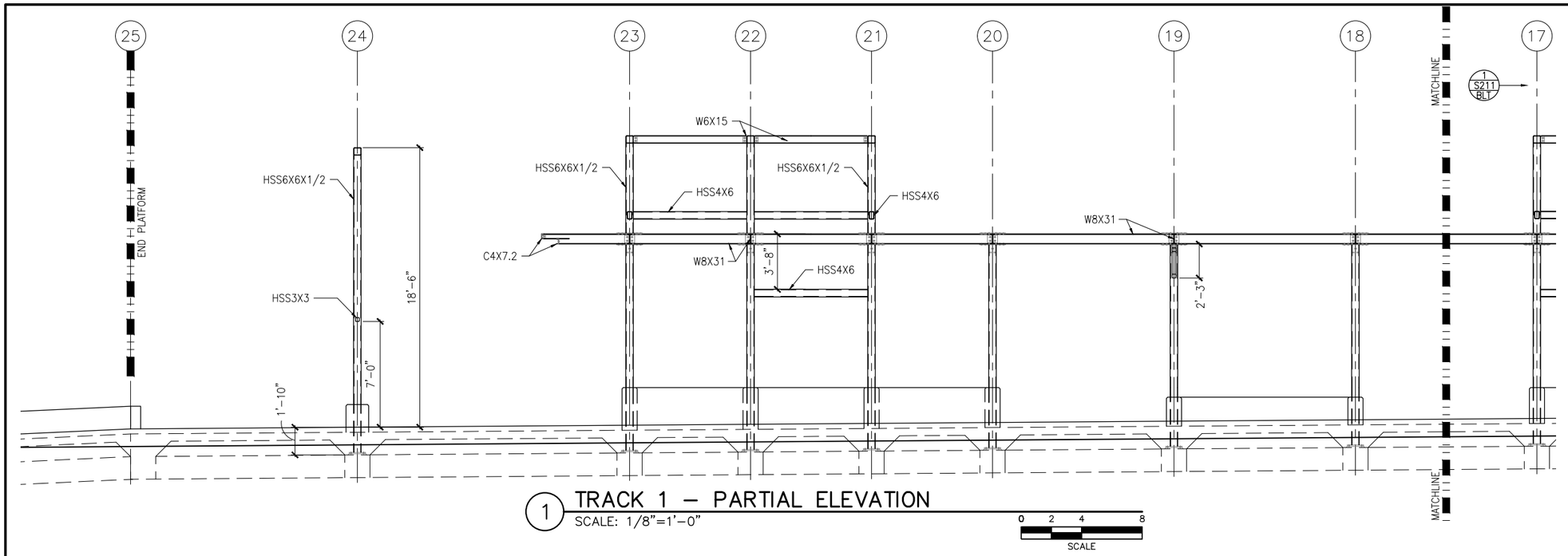
CIVIL - VOLUME 11C
BELTLINE STATION
MIDDLE PARTIAL ELEVATIONS -- FRAMING

SHEET 292 OF 510

DISCIPLINE: STRUCTURES

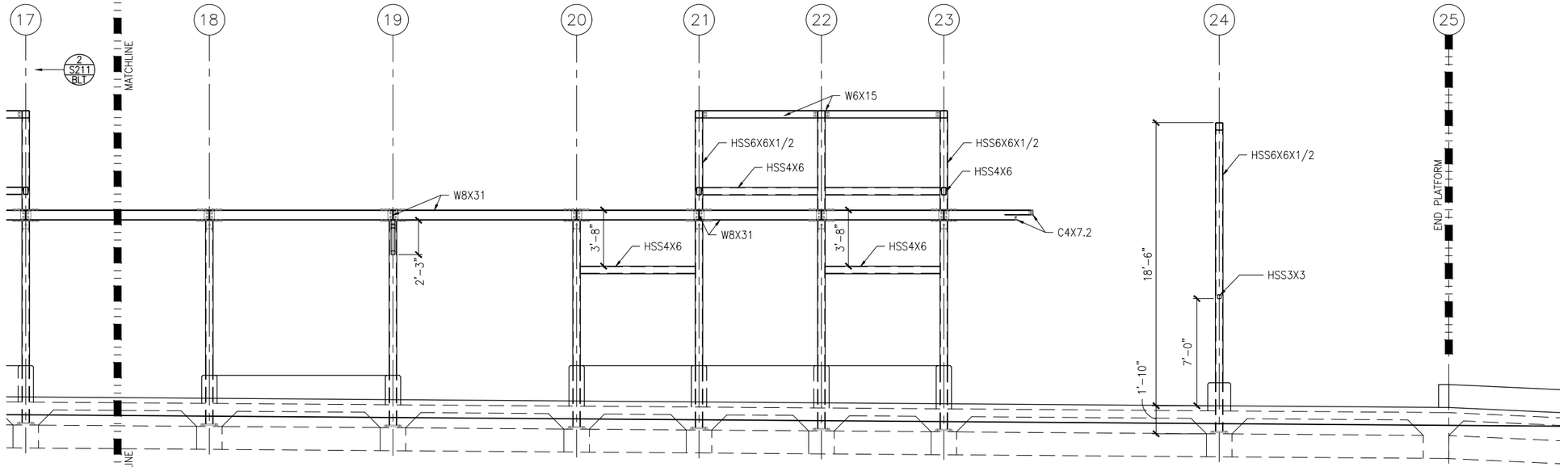
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1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

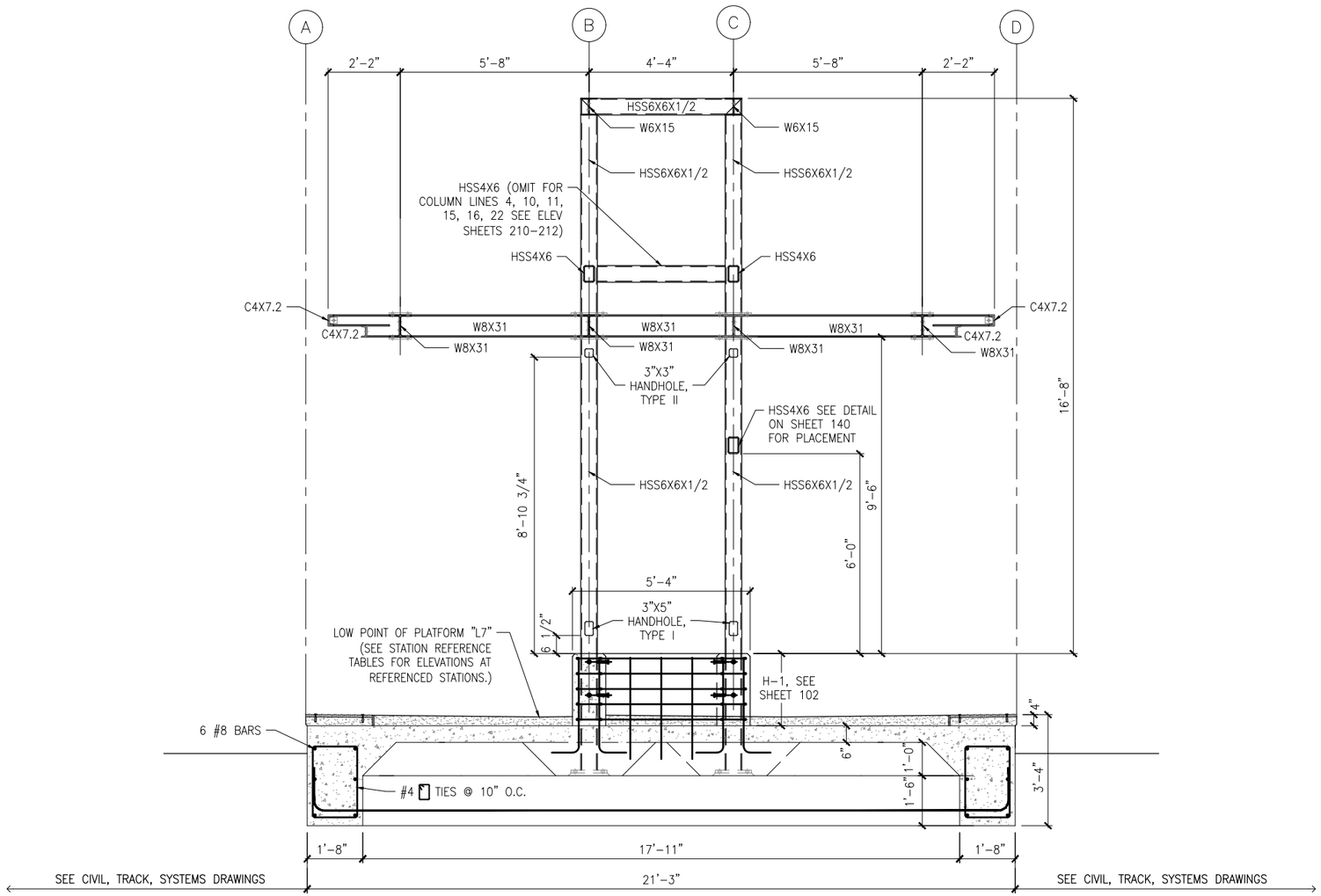
CIVIL - VOLUME 11C
BELTLINE STATION
EAST PARTIAL ELEVATIONS -- FRAMING

SHEET 293 OF 510

DISCIPLINE: STRUCTURES

SHEET NAME: E2-BLT-STR-ELV-212

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1 TYPICAL PLATFORM SECTION

SCALE:1/4"=1'-0"

0 1 2 4
SCALE

TYPICAL AT COL. LINES 3, 4, 5, 9, 10, 11, 12, 14, 15, 16, 17, 21, 22, 23
HSS4X6 LOCATED ON COL. LINE B BETWEEN COLUMNS 3-4, 5-6, 10-11, 14-15, 16-17, 21-22
HSS4X6 LOCATED ON COL. LINE C BETWEEN COLUMNS 4-5, 9-10, 11-12, 15-16, 20-21, 22-23
SEE PLN FOR LOCATION OF CONC FDN WALL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

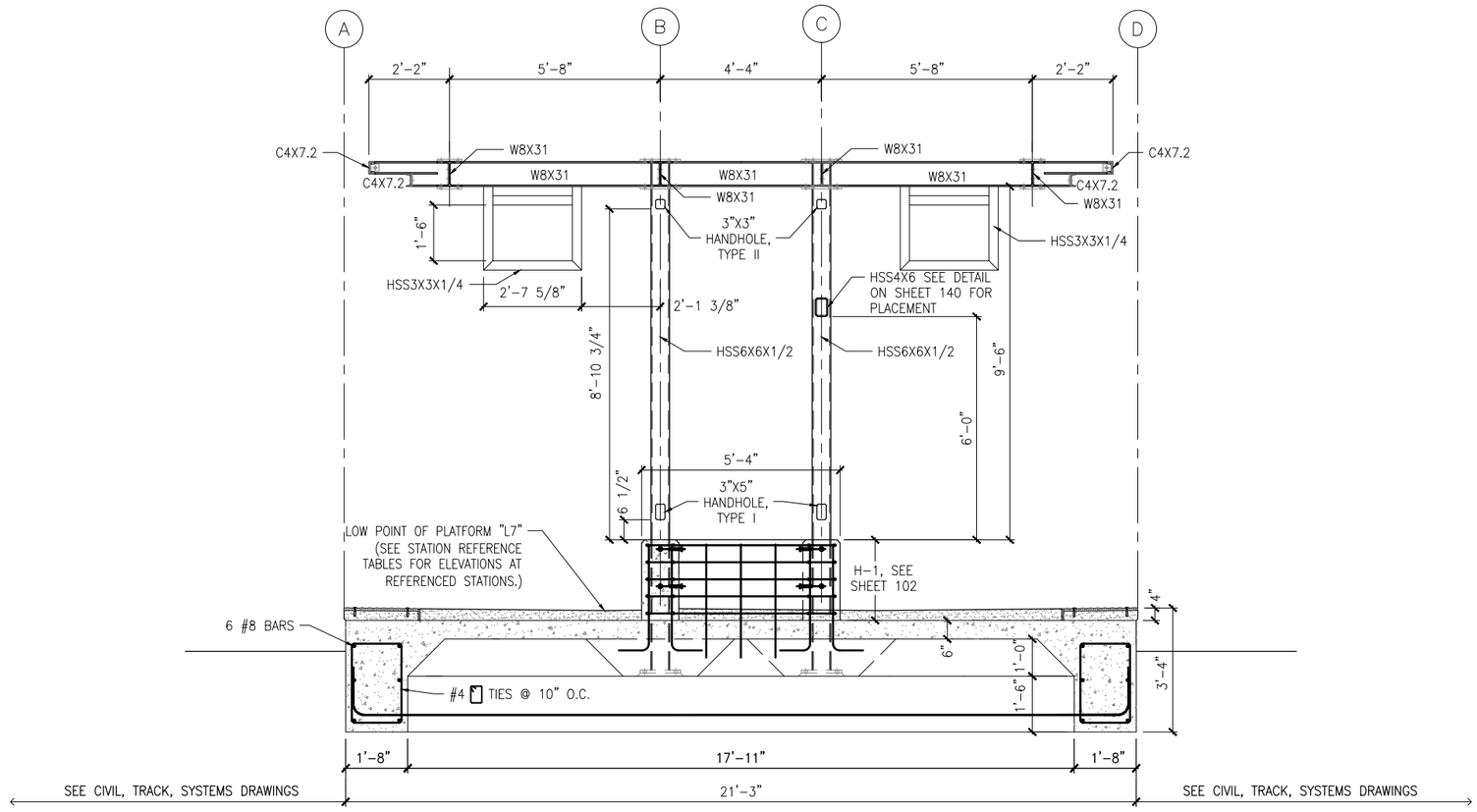
CIVIL - VOLUME 11C
BELTLINE STATION
TYPICAL PLATFORM SECTION

SHEET 294 OF 510

DISCIPLINE: STRUCTURES

SHEET NAME: E2-BLT-STR-SCT-300

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1 TYPICAL PLATFORM SECTION

SCALE:1/4"=1'-0"

0 1 2 4
SCALE

TYPICAL AT COL. LINES 6, 7, 8, 18, 19, 20
HSS4X6 LOCATED ON COL. LINE B BETWEEN COLUMNS 3-4, 5-6, 10-11, 14-15, 16-17, 21-22
HSS4X6 LOCATED ON COL. LINE C BETWEEN COLUMNS 4-5, 9-10, 11-12, 15-16, 20-21, 22-23
HSS4X6 NOT INSTALLED AT COL. LINES 7, 8, 18, 19
SEE PLN FOR LOCATION OF CONC FDN WALL
VMS SUPPORTS AT COL. LINES 7 & 19

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

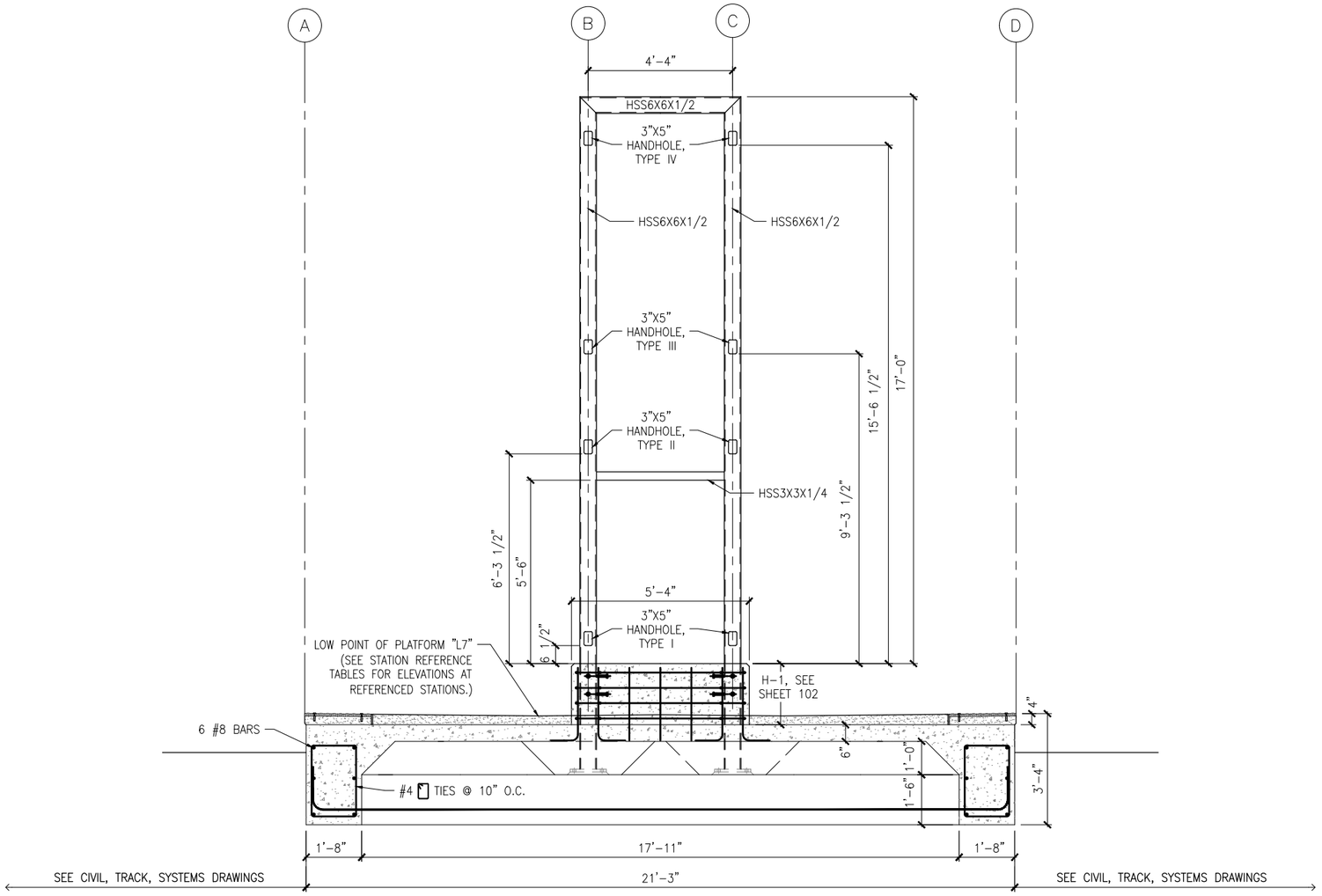
CIVIL - VOLUME 11C
BELTLINE STATION
TYPICAL PLATFORM SECTION

DISCIPLINE: STRUCTURES

SHEET NAME: E2-BLT-STR-SCT-301

SHEET 295 OF 510

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1 TYPICAL PLATFORM SECTION AT WICKET

SCALE:1/4"=1'-0"
TYPICAL AT COL. LINES 2,13,24

0 1 2 4
SCALE

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METROPOLITAN COUNCIL

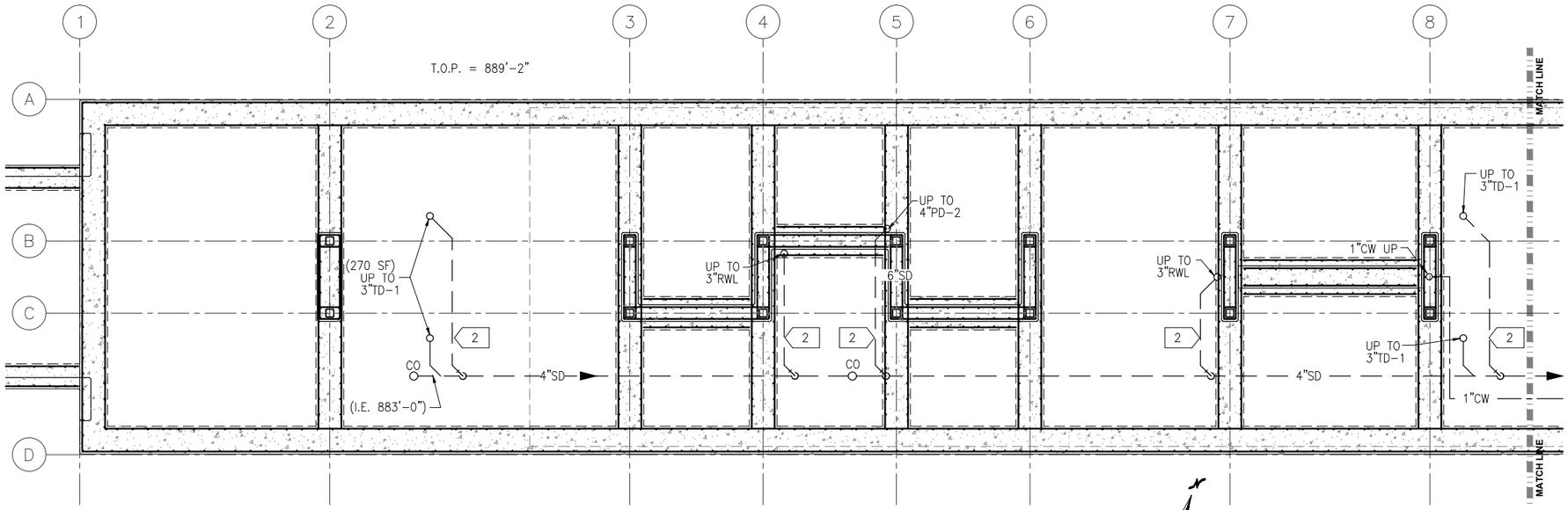
SOUTHWEST
Green Line LRT Extension

CIVIL - VOLUME 11C
BELTLINE STATION
TYPICAL PLATFORM SECTION

DISCIPLINE: STRUCTURES
SHEET NAME: E2-BLT-STR-SCT-302

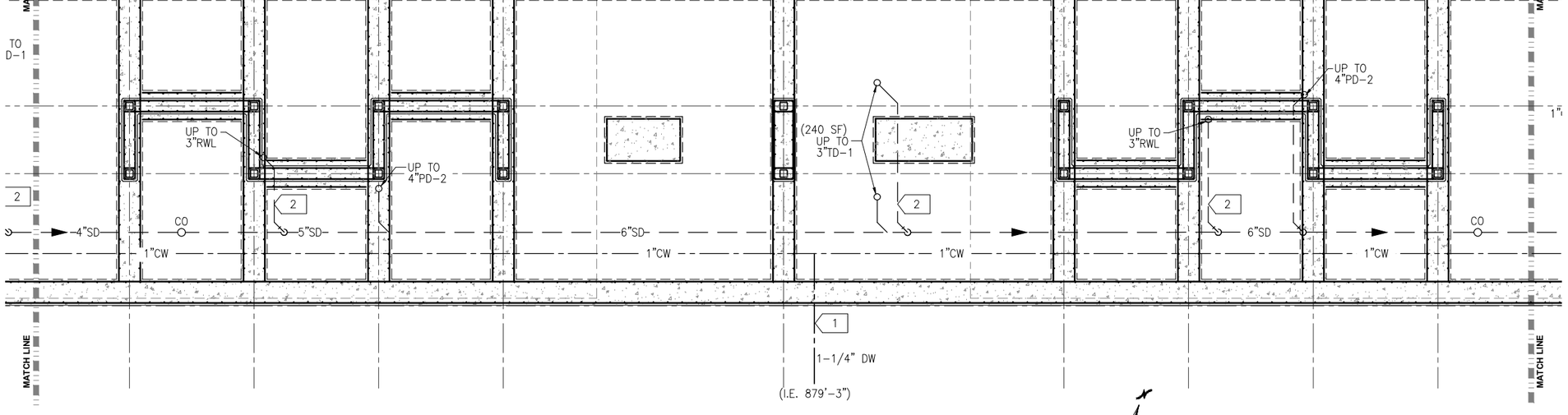
SHEET 296 OF 510

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1 WEST UNDERFLOOR PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 MIDDLE UNDERFLOOR PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
C. MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
D. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF HEIGHTS AND LAYOUT.
E. REFER TO PLUMBING DETAIL XXX AND VOLUME 7 FOR WATER METER LOCATION AND ENCLOSURE REQUIREMENTS.
F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES:

1 EXTEND WATER AND STORM OUTSIDE GUIDEWAY. CONNECTION BY OUTDOOR UTILITY CONTRACTOR.

2 ROUTE PIPING ABOVE DUCT BANK. DROP DOWN TO CONNECT TO MAIN.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

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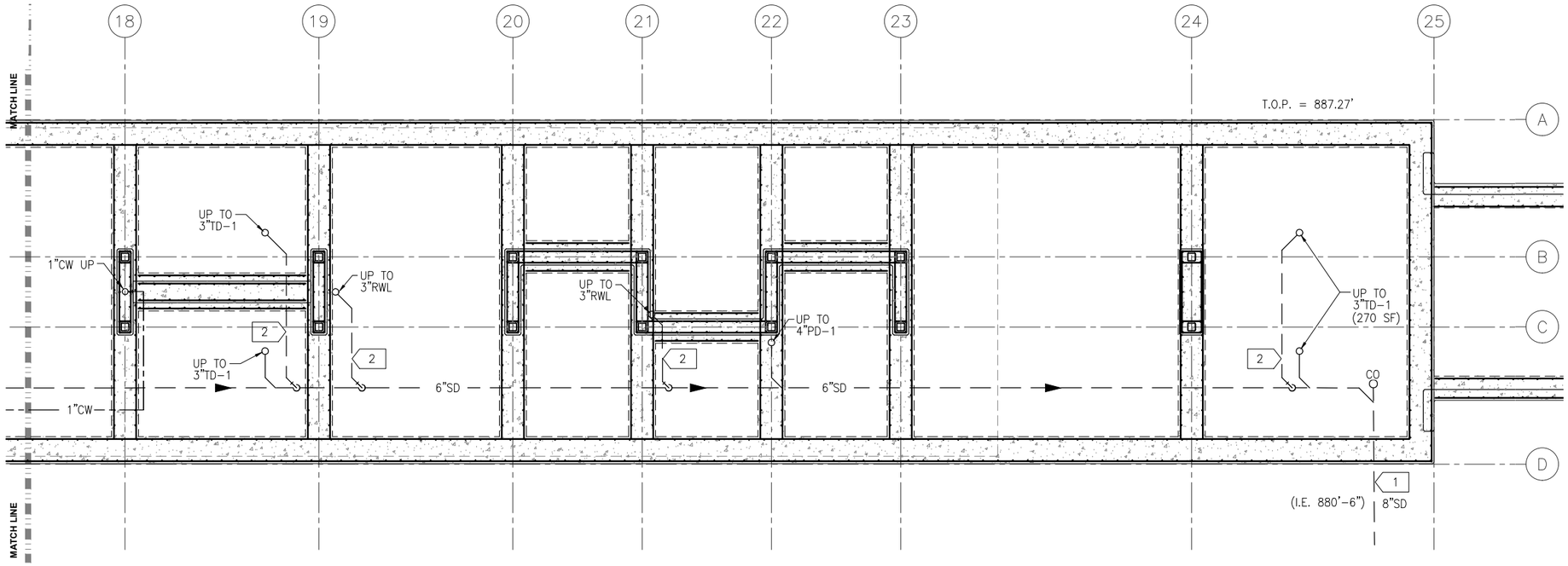
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BELTLINE STATION
WEST AND MIDDLE PARTIAL
UNDERFLOOR PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E2-BLT-PLM-PLN-100

SHEET 297 OF 510

Jan, 16 2016 02:59 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\BELTLINE STATION\E2-BLT-PLM-PLN-100.dwg By: craig



1 EAST UNDERFLOOR PLUMBING PLAN

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
C. MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
D. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF HEIGHTS AND LAYOUT.
E. REFER TO PLUMBING DETAIL XXX AND VOLUME 7 FOR WATER METER LOCATION AND ENCLOSURE REQUIREMENTS.
F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES:

1 EXTEND WATER AND STORM OUTSIDE GUIDEWAY. CONNECTION BY OUTDOOR UTILITY CONTRACTOR.

2 ROUTE PIPING ABOVE DUCT BANK. DROP DOWN TO CONNECT TO MAIN.

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AECOM LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL SOUTHWEST Green Line LRT Extension

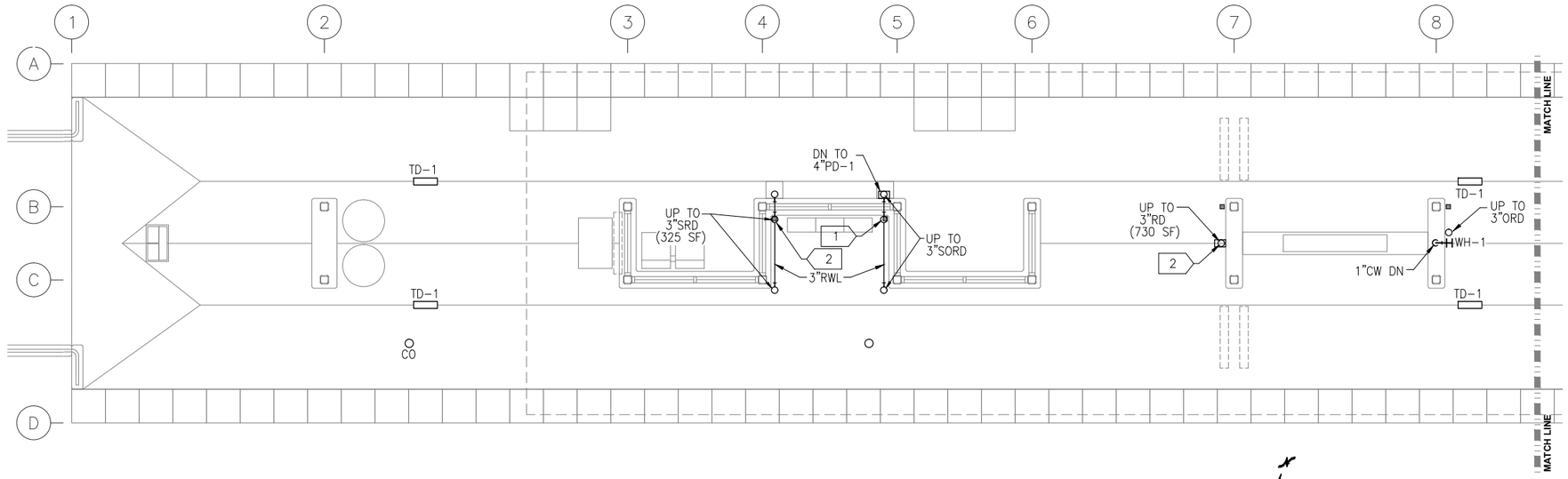
CIVIL - VOLUME 11C
BELTLINE STATION
EAST PARTIAL UNDERFLOOR PLUMBING PLAN

DISCIPLINE: PLUMBING

SHEET NAME: E2-BLT-PLM-PLN-101

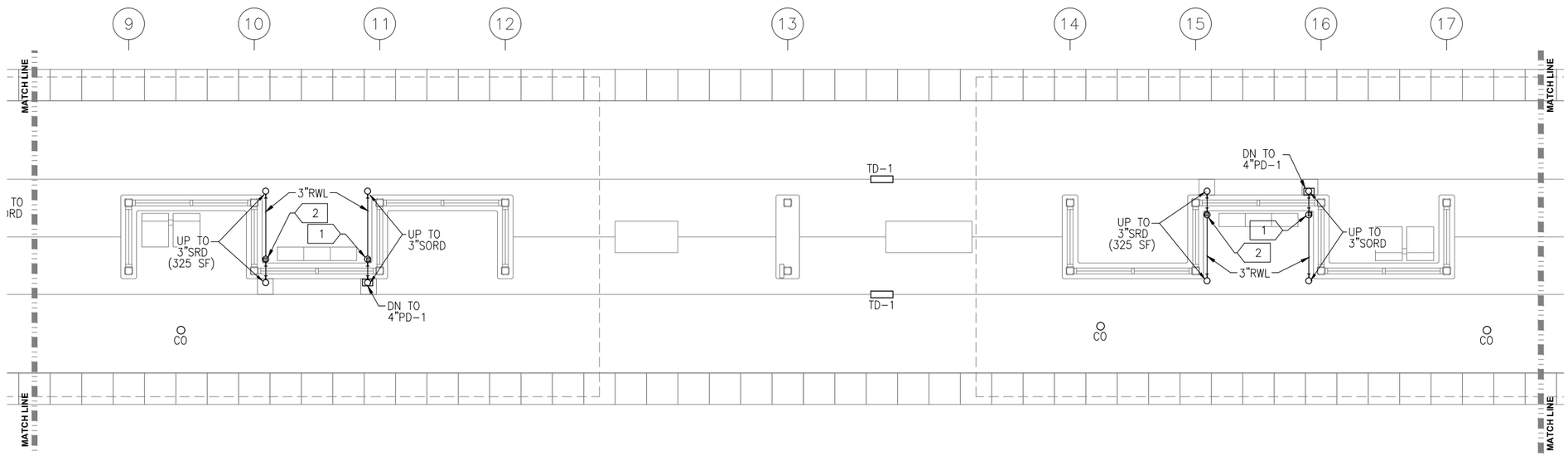
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Jan, 16 2016 02:59 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\BELTLINE STATION\E2-BLT-PLM-PLN-101.dwg By: craig



1 EAST PLATFORM PLUMBING PLAN
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



2 MIDDLE PLATFORM PLUMBING PLAN
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
C. MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
D. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF HEIGHTS AND LAYOUT.
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F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES

1 3"ø RWL DOWN TO DISCHARGE NOZZLE DIRECTLY ABOVE 4" PD-1.

2 3"ø RWL DOWN TO BELOW PLATFORM.

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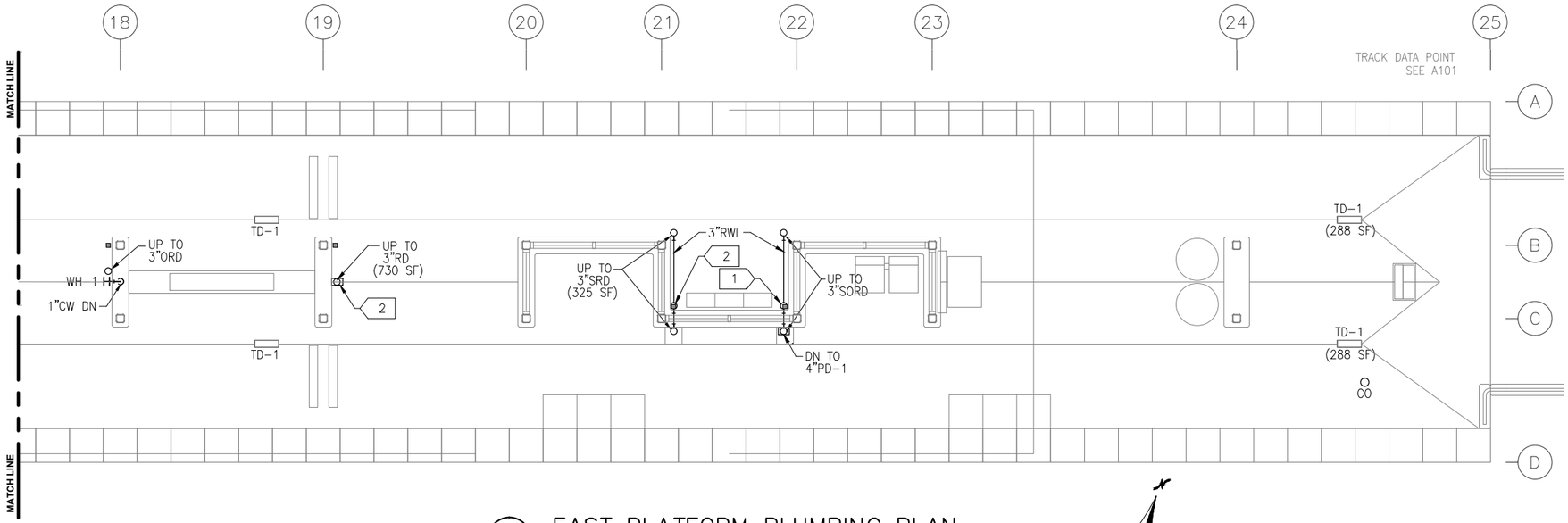
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BELTLINE STATION
WEST AND MIDDLE PARTIAL
PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E2-BLT-PLM-PLN-110

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Jan, 16 2016 03:00 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\BELTLINE



1 EAST PLATFORM PLUMBING PLAN

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

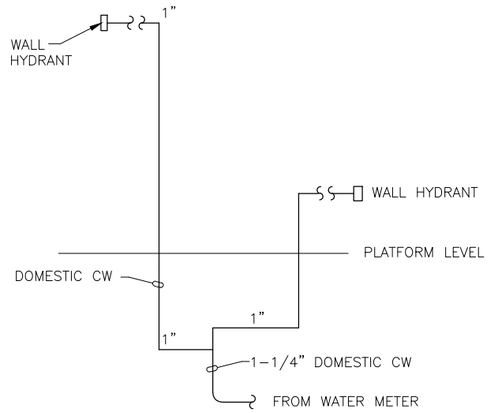
PLUMBING GENERAL NOTES

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PLUMBING KEY NOTES

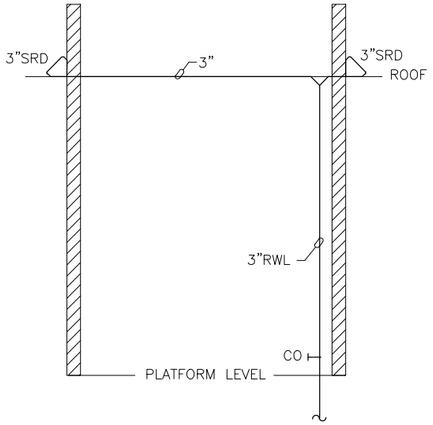
1 3"ø RWL DOWN TO DISCHARGE NOZZLE DIRECTLY ABOVE 4" PD-1.

2 3"ø RWL DOWN TO BELOW.



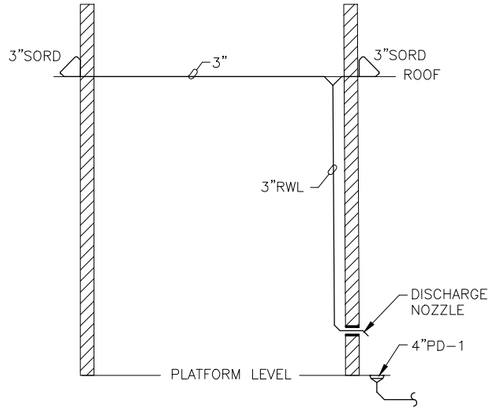
2/111 DOMESTIC WATER RISER DIAGRAM

NO SCALE



1/111 TYPICAL ROOF DRAIN DIAGRAM

NO SCALE



2/111 TYPICAL OVERFLOW ROOF DRAIN DIAGRAM

NO SCALE

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LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

90% SUBMISSION - 01/22/16

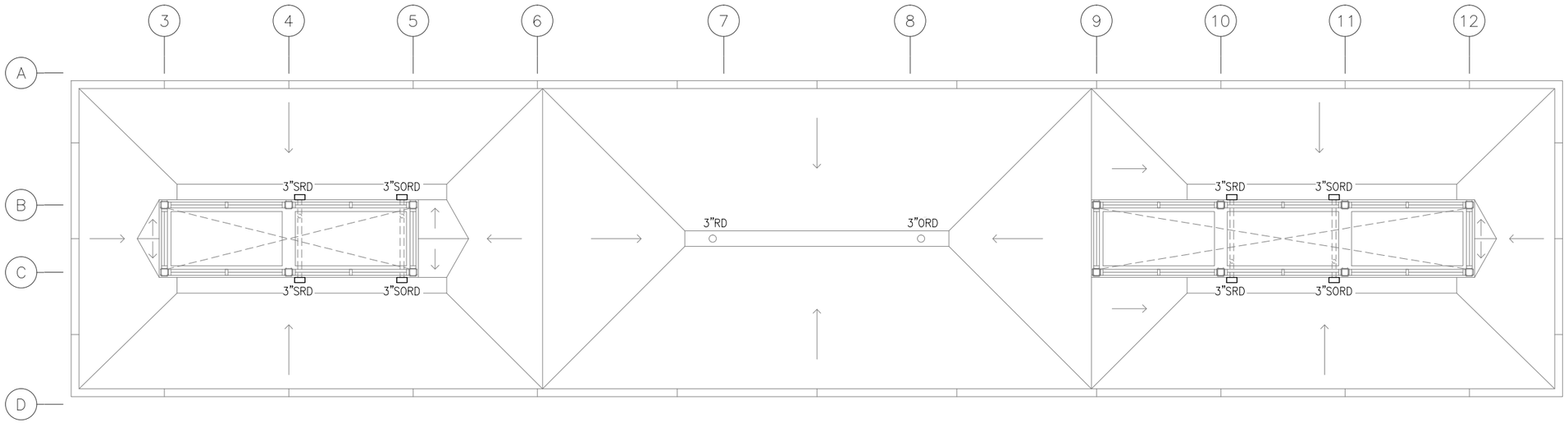
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BELTLINE STATION
EAST PARTIAL PLUMBING PLAN AND RISER DIAGRAMS

DISCIPLINE: PLUMBING
SHEET NAME: E2-BLT-PLM-PLN-111

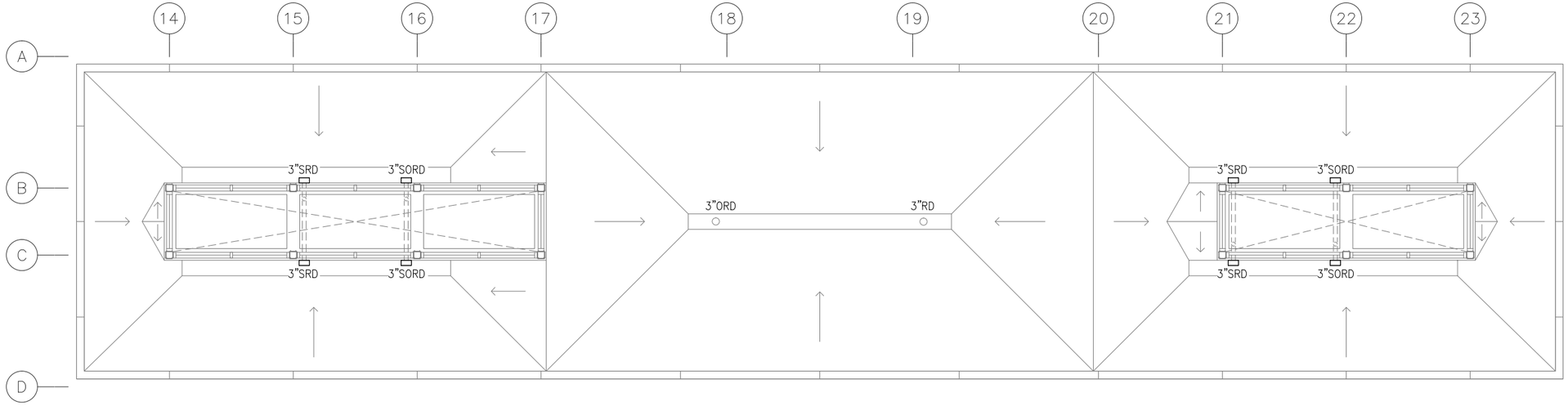
SHEET 300 OF 510

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1 WEST ROOF PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 EAST ROOF PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

PLUMBING GENERAL NOTES

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F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

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90% SUBMISSION - 01/22/16

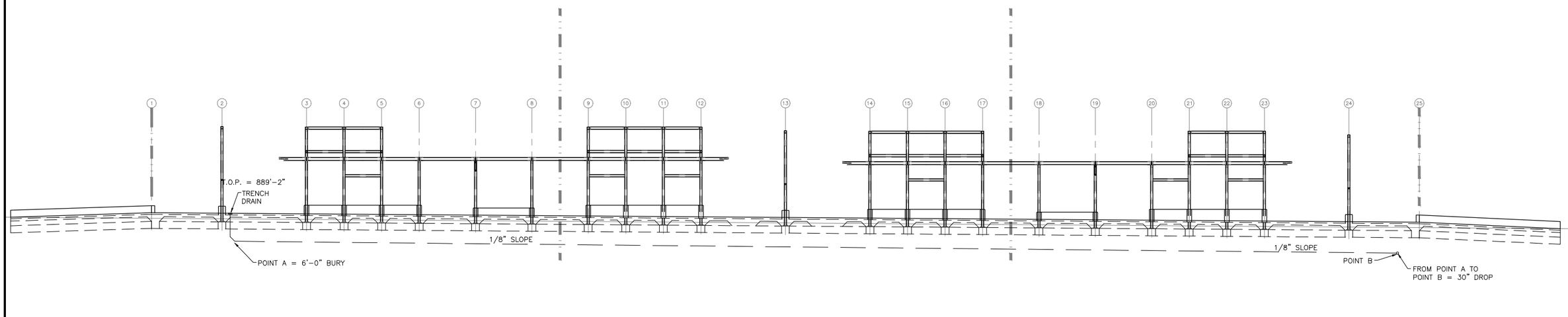
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BELTLINE STATION
ROOF PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E2-BLT-PLM-PLN-120

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Jan, 16 2016 03:00 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\BELTLINE STATION\E2-BLT-PLM-PLN-120.dwg By: craig



1 PLUMBING SECTION
SCALE: 3/64"=1'-0"

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

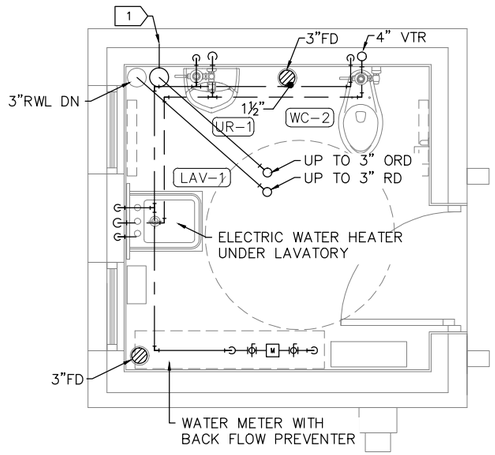
CIVIL - VOLUME 11C
BELTLINE STATION
TYPICAL PLATFORM PLUMBING SECTION

DISCIPLINE: PLUMBING

SHEET NAME: E2-BLT-PLM-SCT-201

SHEET 302 OF 510

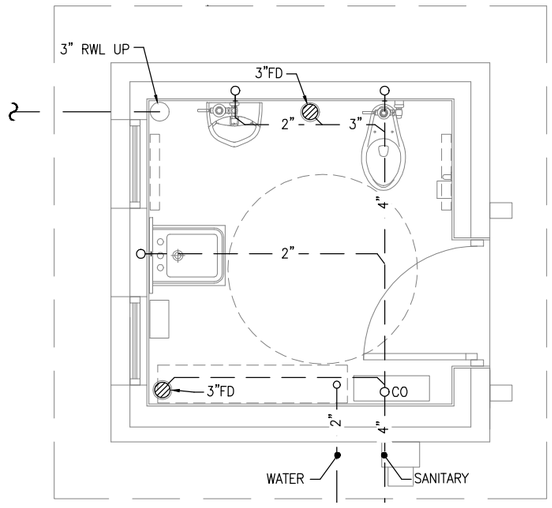
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1 ABOVE FLOOR PLUMBING PLAN

SCALE: 1/4"=1'-0"

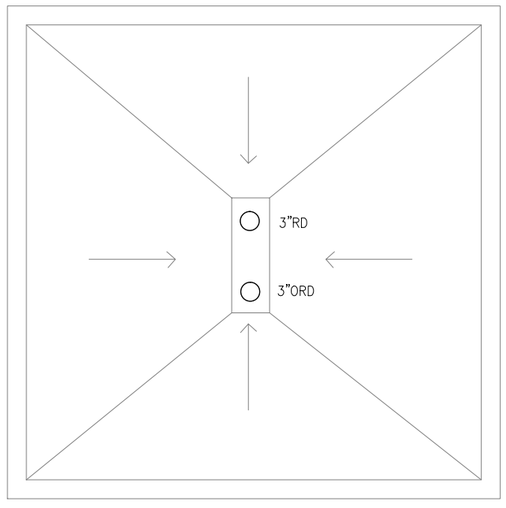
0 2 4 8
SCALE



2 UNDERFLOOR PLUMBING PLAN

SCALE: 1/4"=1'-0"

0 2 4 8
SCALE



3 ROOF PLUMBING PLAN

SCALE: 1/4"=1'-0"

0 2 4 8
SCALE

PLUMBING GENERAL NOTES

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B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
C. MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
D. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF HEIGHTS AND LAYOUT.
E. REFER TO PLUMBING DETAIL XXX AND VOLUME 7 FOR WATER METER LOCATION AND ENCLOSURE REQUIREMENTS.
F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES

1 3"ø RWL DOWN TO DISCHARGE NOZZLE.

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LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

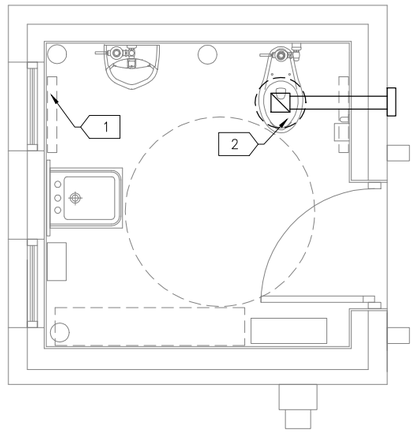
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CIVIL - VOLUME 11C
BELTLINE STATION
DRIVER AMENITIES PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E2-BLT-PLM-PLN-250

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Jan. 16 2016 03:00 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\BELTLINE STATION\E2-BLT-PLM-PLN-250.dwg By: craig



1 MECHANICAL PLAN
SCALE: 1/4"=1'-0"

0 2 4 8
SCALE

MECHANICAL GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPENCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
C. MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
D. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS AND LAYOUT.
E. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR STORM DOWNSPOUT MATERIAL.

MECHANICAL KEY NOTES:

1 ELECTRIC WALL HEATER EUH-3.

2 CEILIING MOUNTED EXHAUST FAN WITH 4"ø DISCHARGE TO WALL CAP. INTERLOCK EXHAUST FAN WITH OVERHEAD LIGHT. TIME DELAY EXHAUST FAN SHUT-OFF.

Jan, 16 2016 03:00 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\BELTLINE STATION\E2-BLT-MEC-PLN-250.dwg By: craig

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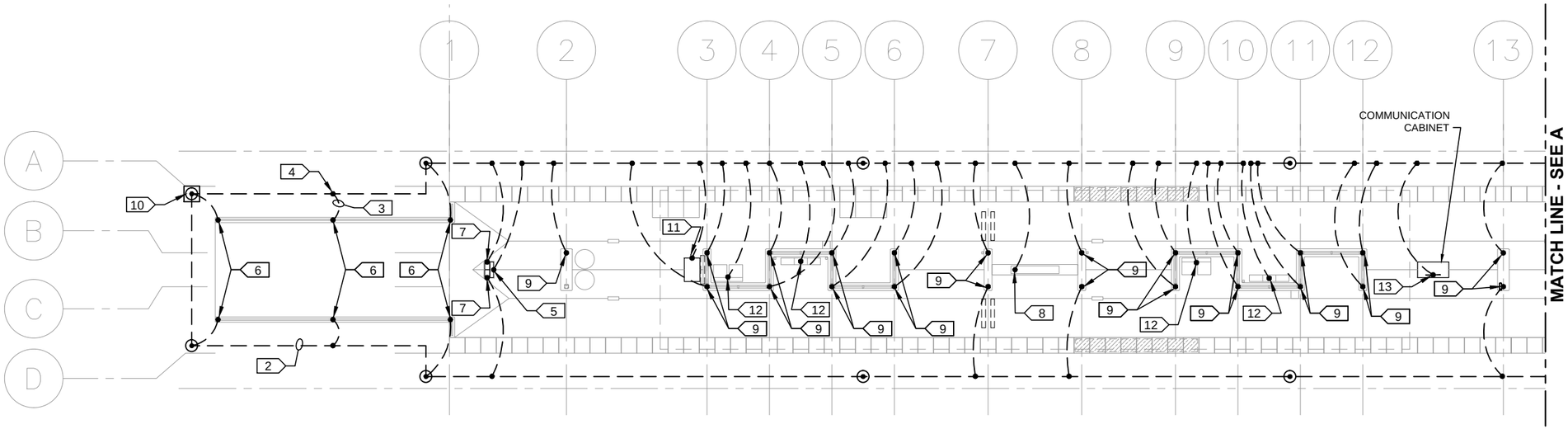
METROPOLITAN COUNCIL SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BELTLINE STATION
DRIVER AMENITIES MECHANICAL PLAN

DISCIPLINE: MECHANICAL

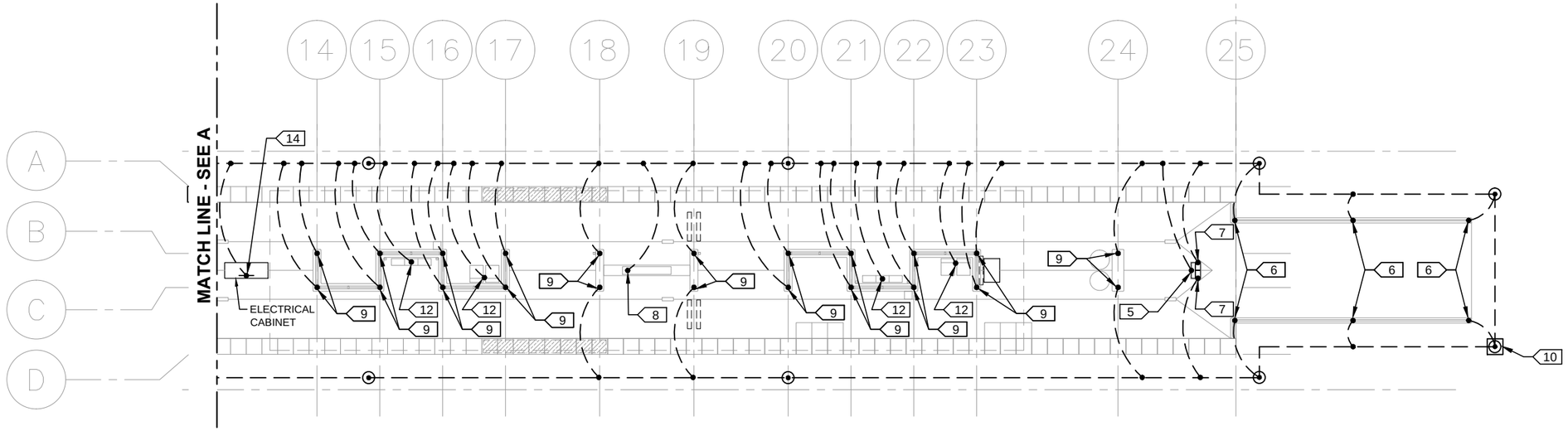
SHEET NAME: E2-BLT-MEC-PLN-250

SHEET 304 OF 510



1 PARTIAL PLATFORM PLAN

SCALE: 1/16"=1'-0"



2 PARTIAL PLATFORM PLAN

SCALE: 1/16"=1'-0"

KEYNOTES:

1. GROUND ROD, TYPICAL.
2. GROUND LOOP, TYPICAL.
3. GEC, TYPICAL.
4. EXOTHERMIC WELD, TYPICAL.
5. GEC CONNECTION TO RIDER ALERT PANEL.
6. GEC CONNECTION TO RAILING POST.
7. GEC CONNECTION TO RSV.
8. GEC CONNECTION TO KIOSK.
9. GEC CONNECTION TO COLUMN.
10. GROUND TEST WELL.
11. GEC CONNECTION TO TVM.
12. GEC CONNECTION TO SEAT OR LEAN RAIL.
13. GEC CONNECTION TO COMMUNICATIONS CABINET GROUND BUS.
14. #3/0 GEC CONNECTION TO ELECTRICAL ENCLOSURE GROUND BUS.

GENERAL NOTES:

1. ALL METALLIC OBJECTS SHALL BE GROUNDED AND THE GROUNDING PLAN IS INTENDED TO DEMONSTRATE THE GROUNDING OF THE PLATFORM, GUIDEWAY AND EQUIPMENT WITHIN THE VICINITY. OBJECTS NOT SHOWN GROUNDED DOES RELIEVE THE CONTRACTOR FROM THE DESIGN INTENT.
2. GROUND LOOP SHALL BE #3/0 BARE COPPER. LOOP SHALL BE INSTALLED 48" BELOW GRADE OR 6" BELOW THE FROST LINE, WHICHEVER IS GREATER. GROUND LOOP IS SHOWN DIAGRAMMATICALLY. INSTALL GROUND LOOP UNDER PLATFORM PERIMETER TO PROTECT FROM WORK PERFORMED OUTSIDE THE PLATFORM LIMITS BY OTHER TRADES. GROUND TEST WELLS SHALL REMAIN ACCESSIBLE AS SHOWN.
3. GROUNDING ELECTRODE CONDUCTORS (GEC) SHALL BE #2/0 BARE COPPER UNLESS NOTED OTHERWISE.
4. ALL EXOTHERMIC WELDS TO COLUMNS, TVM'S, RSV'S, SEATS, LEAN RAILS AND EQUIPMENT CABINETS SHALL BE ABOVE GRADE AND VISIBLE. PAINT WELDS TO MATCH SURFACE COLOR. VERIFY COLOR WITH CAR.
5. INSTALL GROUND ROD SO THAT 8-FT IS BELOW THE FROST LINE.
6. IF RAILING HAS AN ISOLATION GAP, JUMPER BETWEEN GAPS WITH GEC.

0 4 8 16

HORIZONTAL SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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M-P Consultants CONSULTING ENGINEERING MINNEAPOLIS • MINNESOTA

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

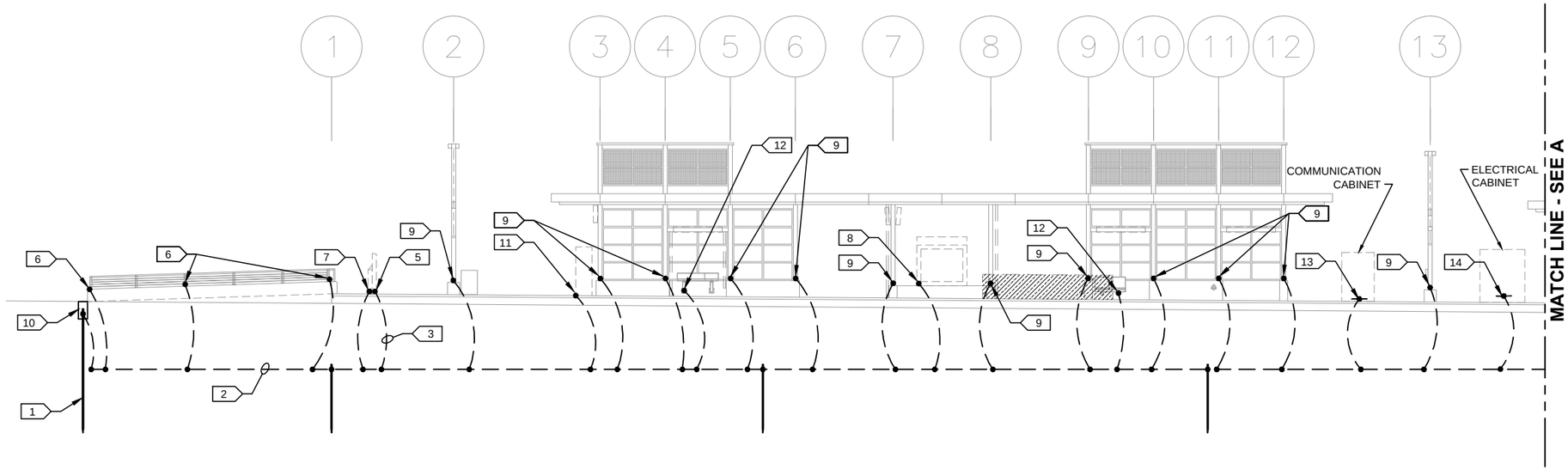
CIVIL - VOLUME 11C BELTLINE STATION ELECTRICAL GROUNDING PLAN

DISCIPLINE: ELECTRICAL

SHEET NAME: E2-BLT-ELE-PLN-201

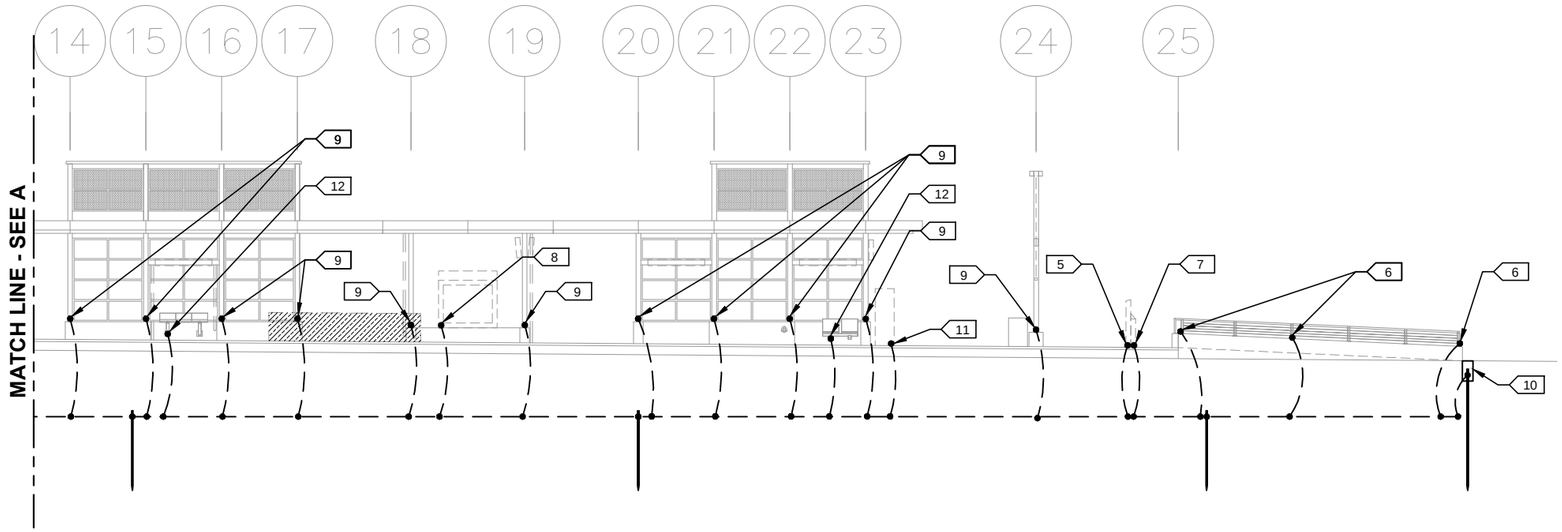
SHEET 305 OF 510

Jan, 18 2016 11:19 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-BLT-ELE-PLN-201.dwg By: FergTK



1 PARTIAL PLATFORM ELEVATION

SCALE: 1/16"=1'-0"



2 PARTIAL PLATFORM ELEVATION

SCALE: 1/16"=1'-0"

KEYNOTES:

1. GROUND ROD, TYPICAL.
2. GROUND LOOP, TYPICAL.
3. GEC, TYPICAL.
4. EXOTHERMIC WELD, TYPICAL.
5. GEC CONNECTION TO RIDER ALERT PANEL.
6. GEC CONNECTION TO RAILING POST.
7. GEC CONNECTION TO RSV.
8. GEC CONNECTION TO KIOSK.
9. GEC CONNECTION TO COLUMN.
10. GROUND TEST WELL.
11. GEC CONNECTION TO TVM.
12. GEC CONNECTION TO SEAT OR LEAN RAIL.
13. GEC CONNECTION TO COMMUNICATIONS CABINET GROUND BUS.
14. #3/0 GEC CONNECTION TO ELECTRICAL ENCLOSURE GROUND BUS.

GENERAL NOTES:

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5. INSTALL GROUND ROD SO THAT 8-FT IS BELOW THE FROST LINE.
6. IF RAILING HAS AN ISOLATION GAP, JUMPER BETWEEN GAPS WITH GEC.

0 4 8 16

HORIZONTAL SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MP Consultants
CONSULTING ENGINEERING
MINNEAPOLIS • MINNESOTA

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST
Green Line LRT Extension

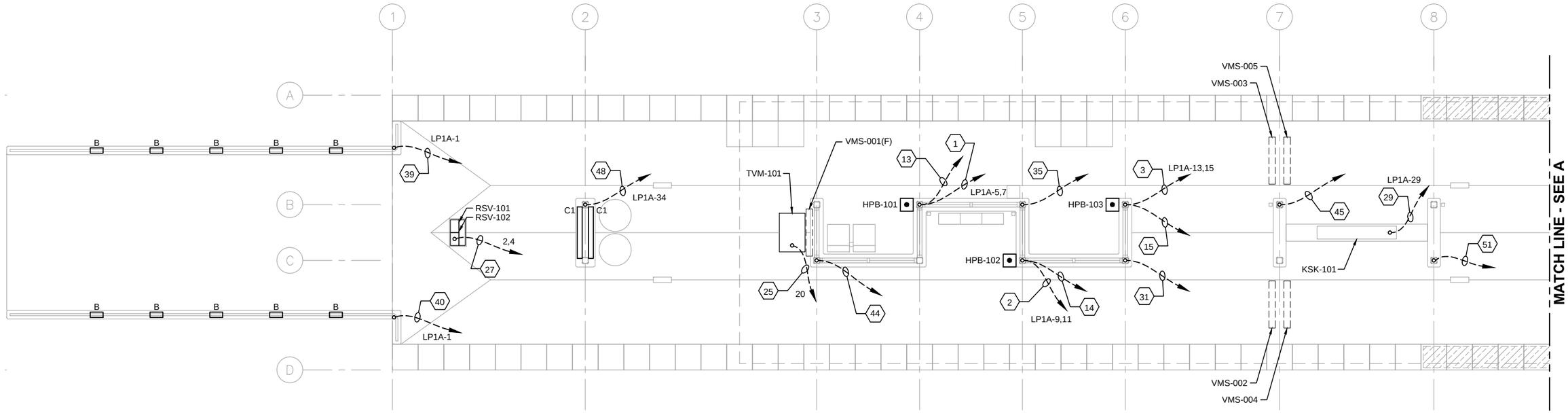
CIVIL - VOLUME 11C
BELTLINE STATION
ELECTRICAL
GROUNDING ELEVATION

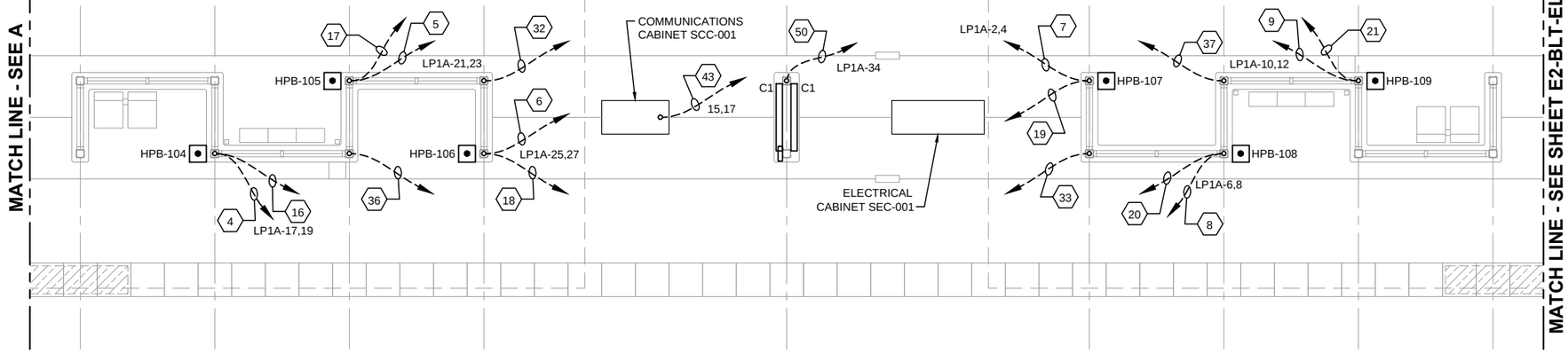
DISCIPLINE: ELECTRICAL

SHEET NAME: E2-BLT-ELE-ELV-202

SHEET 306 OF 510

Jan. 18 2016 11:19 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-BLT-ELE-ELV-202.dwg By: FergTK





1 PLATFORM PLAN

SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. ALL IN SLAB CONDUITS SHALL BE STUBBED UP A MINIMUM OF 8" AFF INTO COLUMNS, POSTS, BOTTOM OF TVM'S AND BOTTOM OF RSV'S.
2. AT CONDUIT STUB-UPS TRANSITION TO 1/2" LFMC FOR PUSH BUTTON CONTROL WIRING AND 3/4" LFMC FOR THE REMAINING.
3. SEE CONDUIT AND WIRE SCHEDULE FOR FROM/TO ROUTING OF CONDUITS.
4. UNLESS OTHERWISE NOTED, CIRCUITS WILL BE FED FROM PANEL LP1B.

0 2 4 8

HORIZONTAL SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST
Green Line LRT Extension

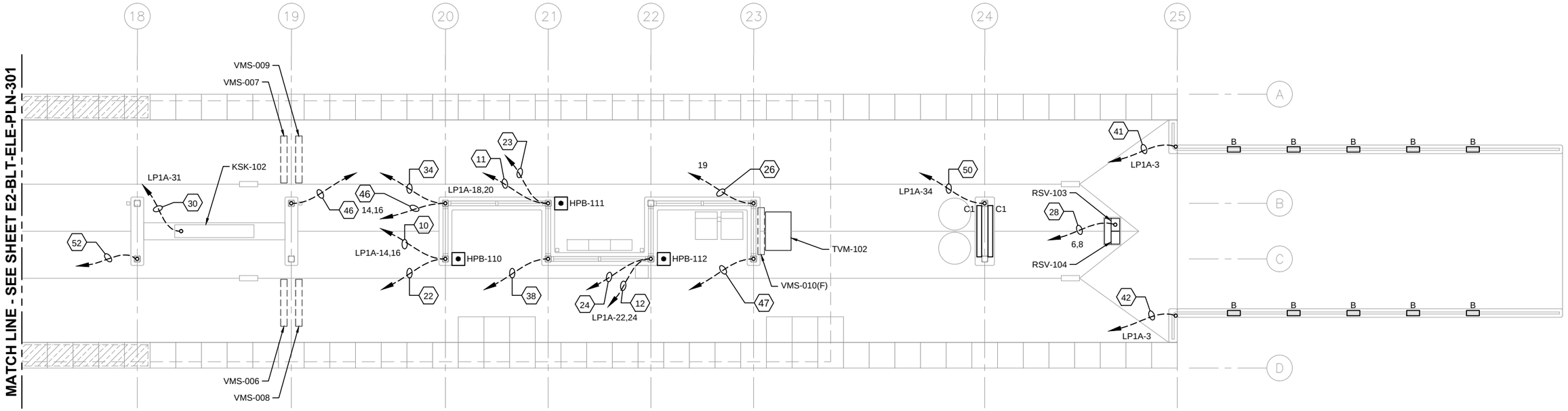
CIVIL - VOLUME 11C
BELTLINE STATION
ELECTRICAL
UNDERSLAB CONDUIT PLAN (1 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E2-BLT-ELE-PLN-301

SHEET 307 OF 510

Jan, 18 2016 11:20 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-BLT-ELE-PLN-301.dwg By: FergTK



1 PLATFORM PLAN

SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. ALL IN SLAB CONDUITS SHALL BE STUBBED UP A MINIMUM OF 8" AFF INTO COLUMNS, POSTS, BOTTOM OF TVM'S AND BOTTOM OF RSV'S.
2. AT CONDUIT STUB-UPS TRANSITION TO 1/2" LFMC FOR PUSH BUTTON CONTROL WIRING AND 3/4" LFMC FOR THE REMAINING.
3. SEE CONDUIT AND WIRE SCHEDULE FOR FROM/TO ROUTING OF CONDUITS.
4. UNLESS OTHERWISE NOTED, CIRCUITS WILL BE FED FROM PANEL LP1B.

0 2 4 8

HORIZONTAL SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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Green Line LRT Extension

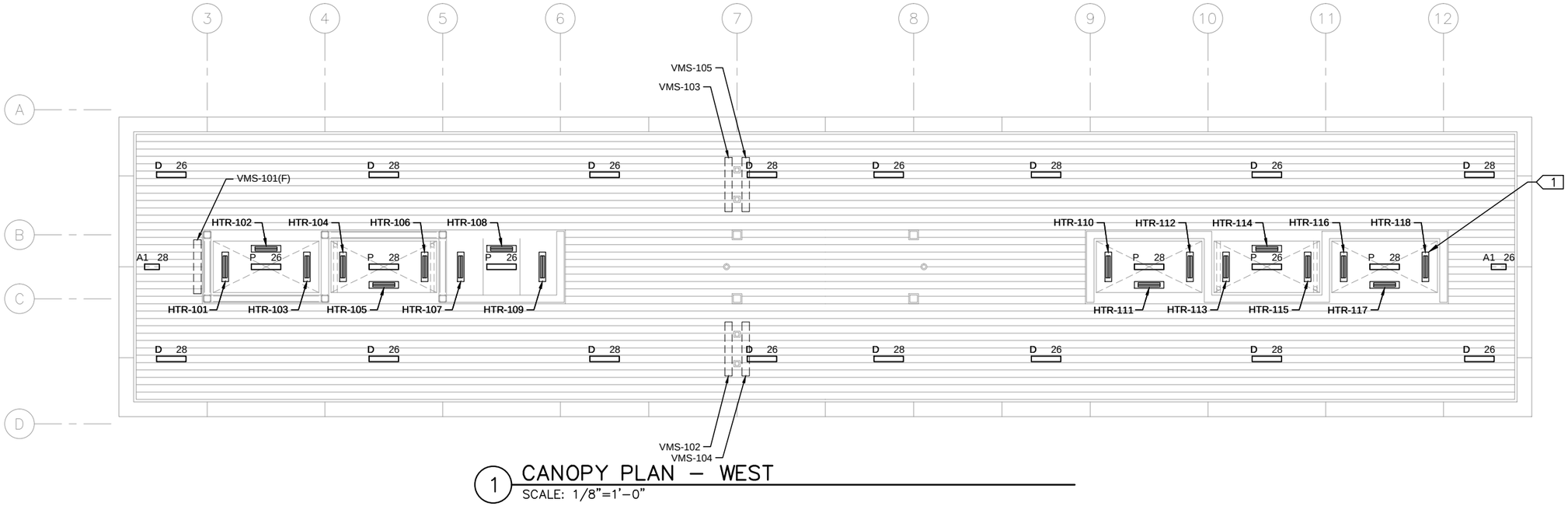
CIVIL - VOLUME 11C
BELTLINE STATION
ELECTRICAL
UNDERSLAB CONDUIT PLAN (2 OF 2)

DISCIPLINE: ELECTRICAL

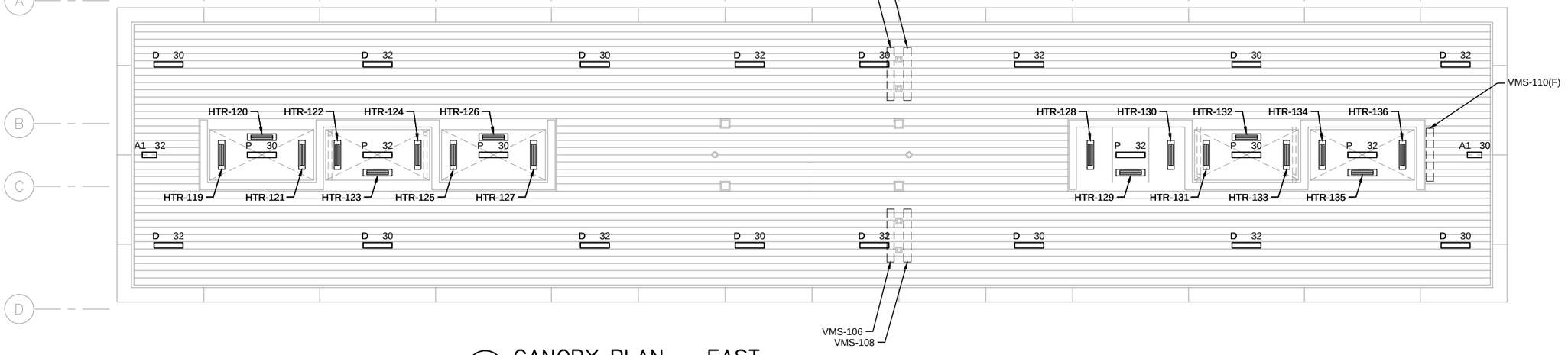
SHEET NAME: E2-BLT-ELE-PLN-302

SHEET 308 OF 510

Jan, 18 2016 11:20 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-BLT-ELE-PLN-302.dwg By: FergTK



1 CANOPY PLAN – WEST
SCALE: 1/8"=1'-0"



2 CANOPY PLAN – EAST
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. ALL LIGHTING SHOWN ON THIS SHEET SHALL BE RECESSED MOUNTED IN SOFFIT. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING DETAILS.
2. ALL CONDUIT FOR LIGHT AND TO VMS'S SHALL BE RUN CONCEALED WITHIN SOFFIT AREA.

KEYNOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR HEATER MOUNTING DETAILS.

0 2 4 8
HORIZONTAL SCALE IN FEET

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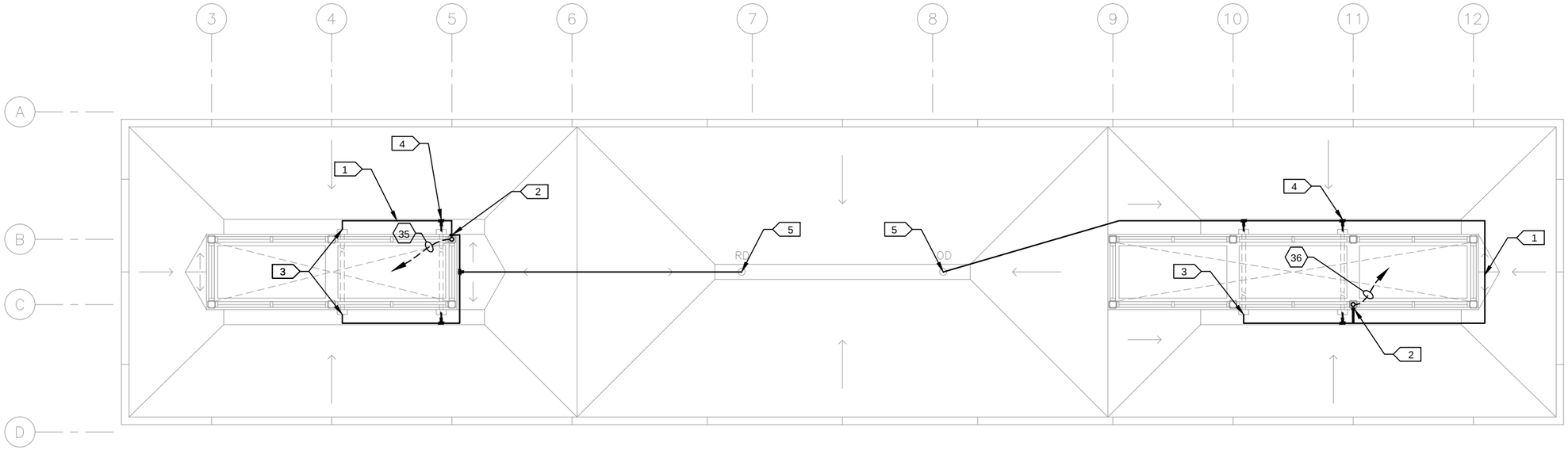
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BELTLINE STATION
ELECTRICAL
CANOPY PLAN

DISCIPLINE: ELECTRICAL
SHEET NAME: E2-BLT-ELE-PLN-303

SHEET 309 OF 510

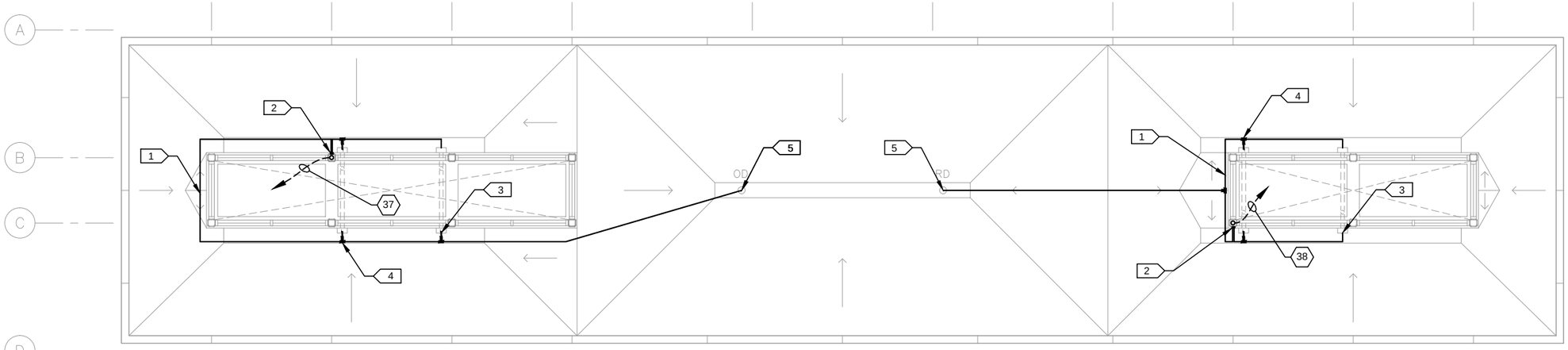
Jan, 18 2016 11:21 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-BLT-ELE-PLN-303.dwg By: FergTK



1 ROOF PLAN – WEST CANOPY

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



2 ROOF PLAN – EAST CANOPY

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

GENERAL NOTES:

1. HEAT TRACE CONTROL PANEL LOCATED IN SEC-001.

KEYNOTES:

1. SELF REGULATING HEAT TRACE CABLE. ATTACH CABLE TO ROOF WITH CLIPS. COORDINATE CLIP REQUIREMENTS WITH ROOFING CONTRACTOR.
2. POWER CONNECTION KIT WITH DOUBLE HEAT TRACE CABLE CONNECTION. COORDINATE MOUNTING REQUIREMENTS WITH STRUCTURAL STEEL CONTRACTOR.
3. RUN HEAT TRACE DOWN RAIN WATER LEADER 6' BELOW FINISHED FLOOR, PROVIDE CABLE PROTECTION WHERE CABLE ENTERS SCUPPER DRAIN.
4. HEAT TRACE TEE SPLICE KIT.
5. RUN HEAT TRACE DOWN RAIN WATER LEADER 6' BELOW FINISHED FLOOR, PROVIDE CABLE PROTECTION WHERE CABLE ENTERS DRAIN STRAINER.

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Green Line LRT Extension

CIVIL - VOLUME 11C
BELTLINE STATION
ELECTRICAL
HEAT TRACE PLAN

DISCIPLINE: ELECTRICAL

SHEET NAME: E2-BLT-ELE-PLN-311

SHEET 310 OF 510

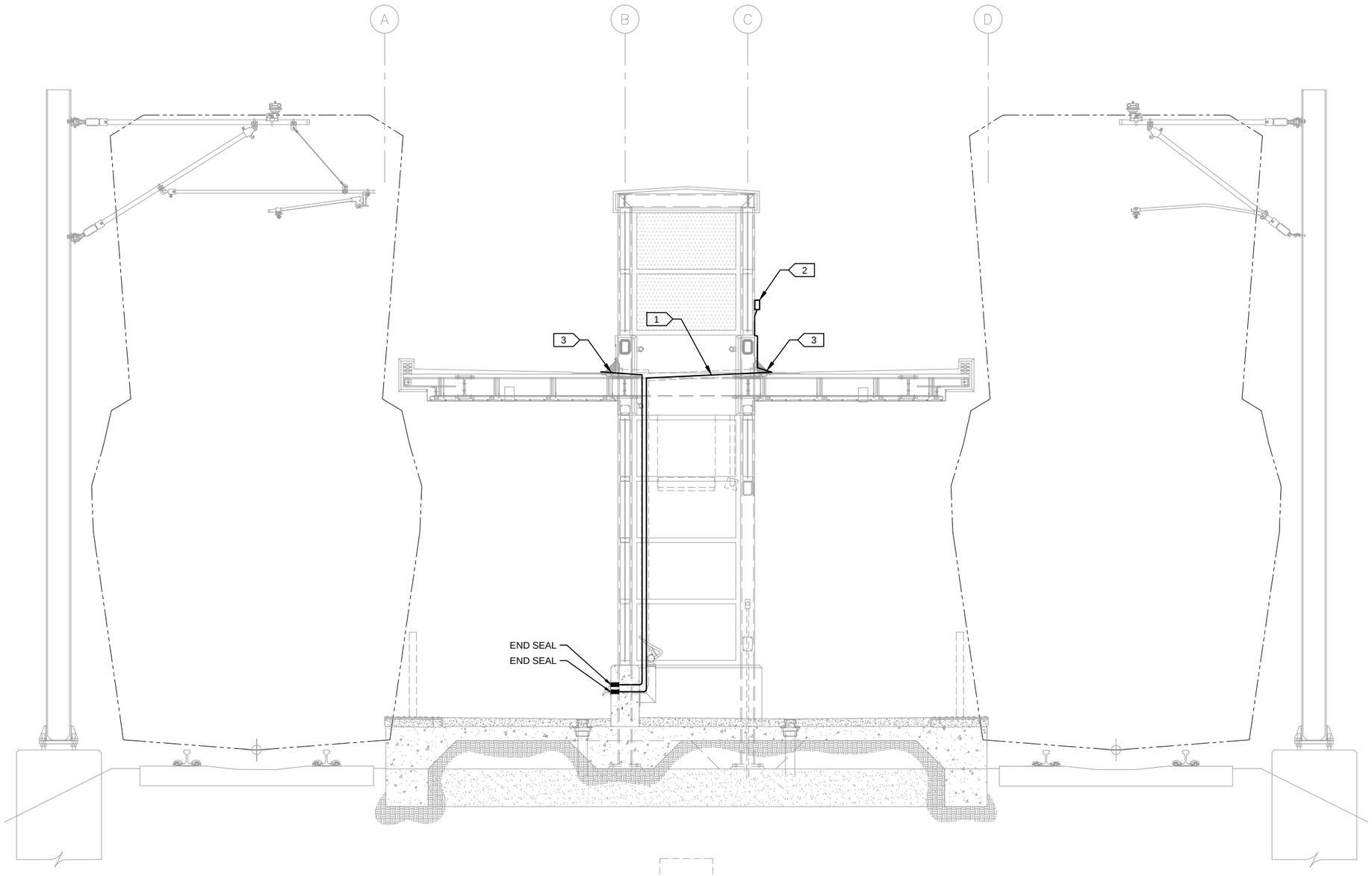
Jan. 18 2016 11:21 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-BLT-ELE-PLN-311.dwg By: FergTK

GENERAL NOTES:

1. HEAT TRACE CONTROL PANEL LOCATED IN SEC-001.
2. SEE HEAT TRACE PLAN FOR HEAT TRACE AT CANOPY ROOFS.

KEYNOTES:

1. SELF REGULATING HEAT TRACE CABLE. ATTACH CABLE TO ROOF WITH CLIPS. COORDINATE CLIP REQUIREMENTS WITH ROOFING CONTRACTOR.
2. POWER CONNECTION KIT WITH DOUBLE HEAT TRACE CABLE CONNECTION, AS REQUIRED. COORDINATE MOUNTING REQUIREMENTS WITH STRUCTURAL STEEL CONTRACTOR.
3. PROVIDE CABLE PROTECTION WHERE CABLE ENTERS ROOF DRAIN STRAINERS.
4. RUN HEAT TRACE DOWN RAIN LEADER, ADD END SEALS AT DOWNSPOUT.



1 TYPICAL PLATFORM SECTION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

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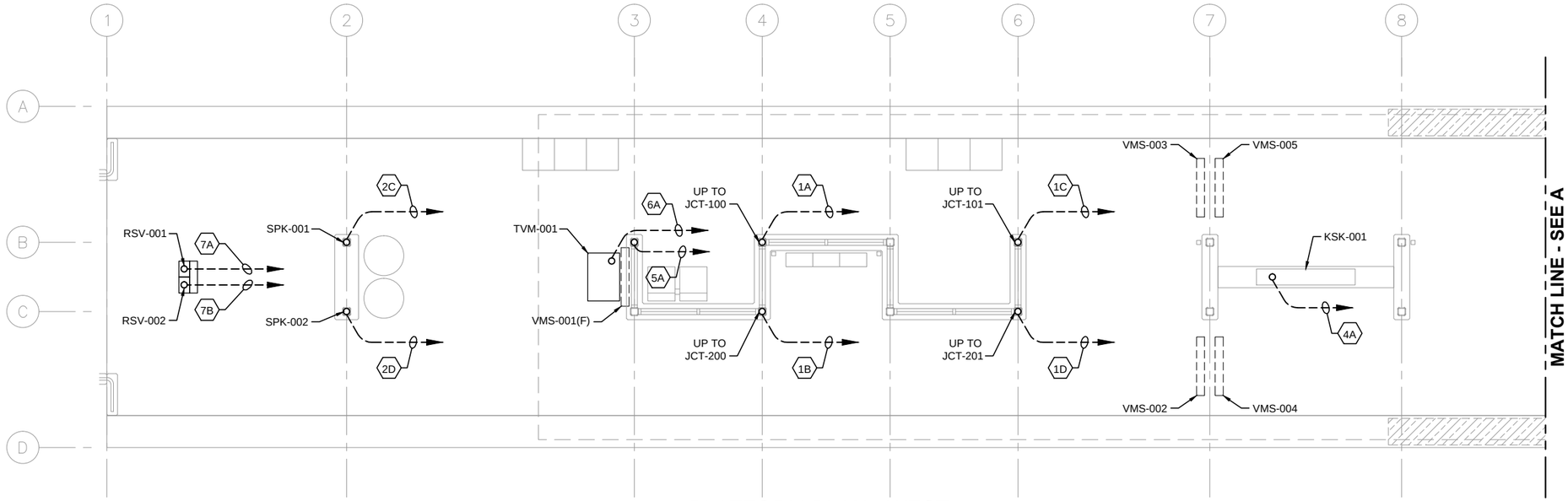
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BELTLINE STATION
ELECTRICAL
HEAT TRACE ELEVATION

DISCIPLINE: ELECTRICAL
SHEET NAME: E2-BLT-ELE-ELV-321

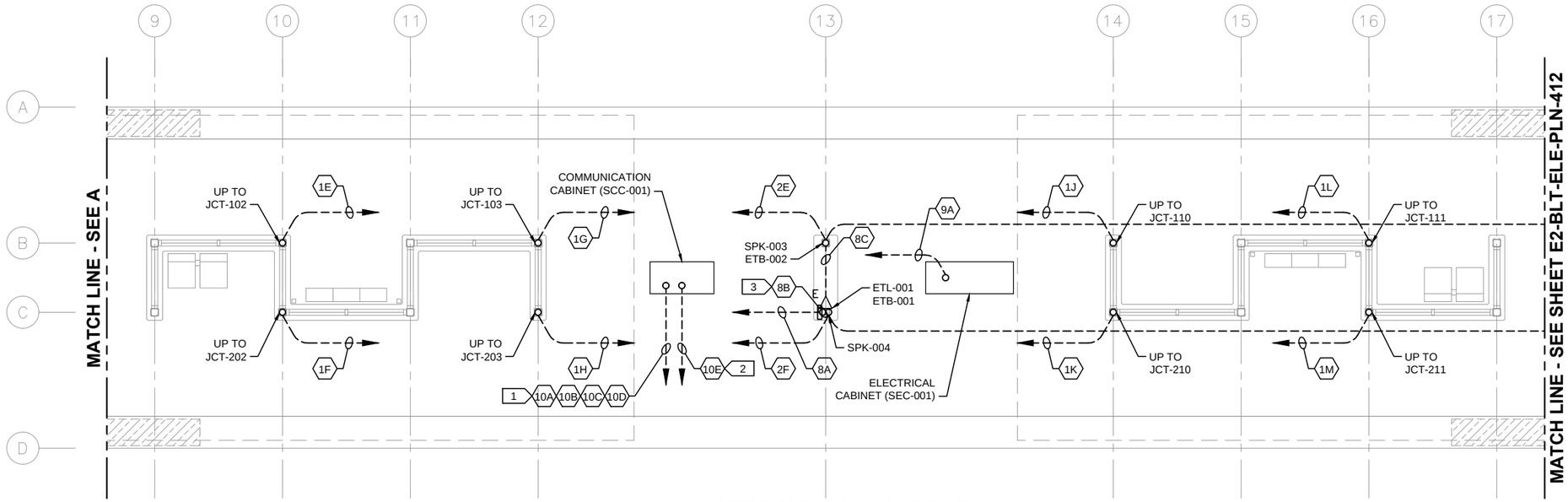
SHEET 311 OF 510

Jan. 18 2016 11:21 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-BLT-ELE-ELV-321.dwg By: FergTK



1 PLATFORM PLAN - WEST

SCALE: 1/8"=1'-0"



2 PLATFORM PLAN - MIDDLE

SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. DASHED LINES WITH AN ARROWHEAD DENOTE HOMERUN TO SCC-001, UNLESS OTHERWISE NOTED.
2. FOR CONDUITS AND DEVICES MOUNTED TO CANOPY, SEE COMMUNICATIONS CANOPY PLAN.
3. SEE SHEETS E2-BLT-ELE-SCH-461 AND E2-BLT-ELE-SCH-462 FOR CONDUIT SCHEDULES.
4. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
5. ALL UNDERSLAB CONDUIT SHALL BE PVC, ALL CONDUIT ABOVE PLATFORM SURFACE SHALL BE GRS.
6. CONDUIT ROUTING SHOWN DIAGRAMMATICALLY.
7. TVMs, RSVs, SPEAKERS, ETEL AND COMMUNICATION CABINET TO BE PROVIDED BY OTHERS; SHOWN FOR REFERENCE ONLY.

KEYNOTES:

1. COMMUNICATIONS CONDUITS TO/FROM STATION SIGNAL-COMMUNICATIONS HOUSE, VIA MH-XXXX.
2. CONDUIT TO/FROM STATION-COMMUNICATIONS HOUSE FOR UPS POWER FEED TO SCC-001.
3. CONDUIT AND CABLE FOR ETEL BEACON LIGHT SHALL BE INSTALLED ENTIRELY WITHIN COLUMN.

0 2 4 8

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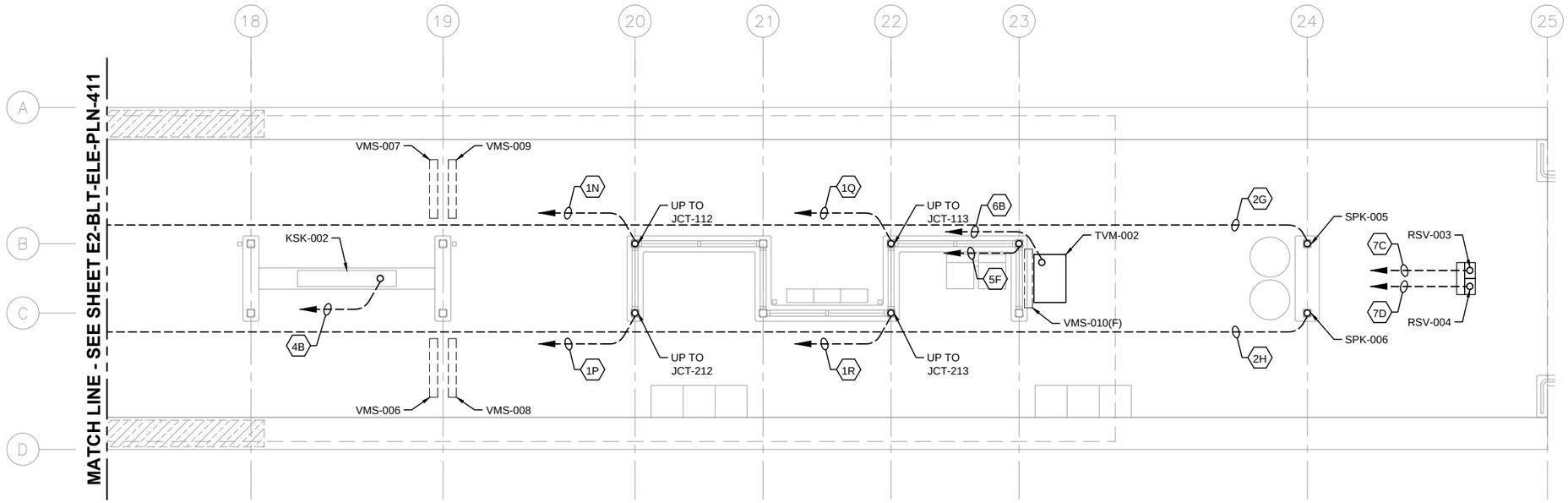
CIVIL - VOLUME 11C
BELTLINE STATION
COMMUNICATIONS
UNDERSLAB CONDUIT PLAN (1 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E2-BLT-ELE-PLN-411

SHEET 312 OF 510

Jan, 18 2016 11:22 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-BLT-ELE-PLN-411.dwg By: FergTK



1 PLATFORM PLAN - EAST

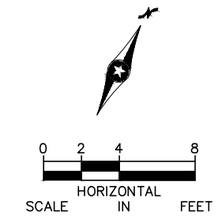
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. DASHED LINES WITH AN ARROWHEAD DENOTE HOMERUN TO SCC-001, UNLESS OTHERWISE NOTED.
2. FOR CONDUITS AND DEVICES MOUNTED TO CANOPY, SEE COMMUNICATIONS CANOPY PLAN.
3. SEE SHEETS E2-BLT-ELE-SCH-461 AND E2-BLT-ELE-SCH-462 FOR CONDUIT SCHEDULES.
4. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
5. ALL UNDERSLAB CONDUIT SHALL BE PVC, ALL CONDUIT ABOVE PLATFORM SURFACE SHALL BE GRS.
6. CONDUIT ROUTING SHOWN DIAGRAMMATICALLY.
7. TVMs, RSVs, SPEAKERS, ETEL AND COMMUNICATION CABINET TO BE PROVIDED BY OTHERS; SHOWN FOR REFERENCE ONLY.

KEYNOTES:

1.



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SOUTHWEST
Green Line LRT Extension

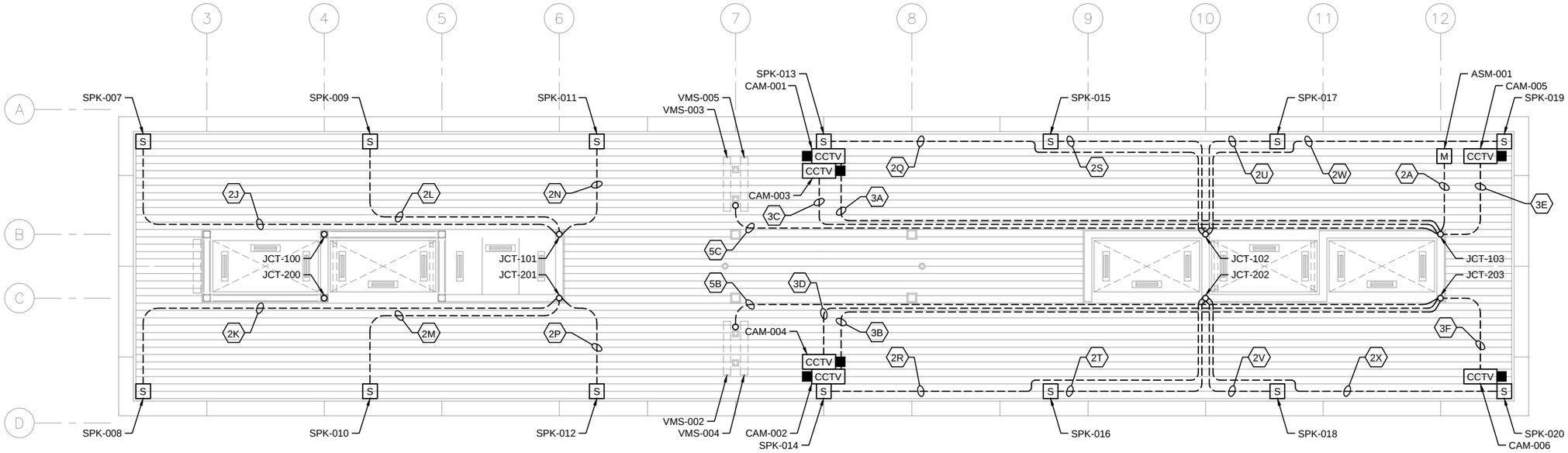
CIVIL - VOLUME 11C
BELTLINE STATION
COMMUNICATIONS
UNDERSLAB CONDUIT PLAN (2 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E2-BLT-ELE-PLN-412

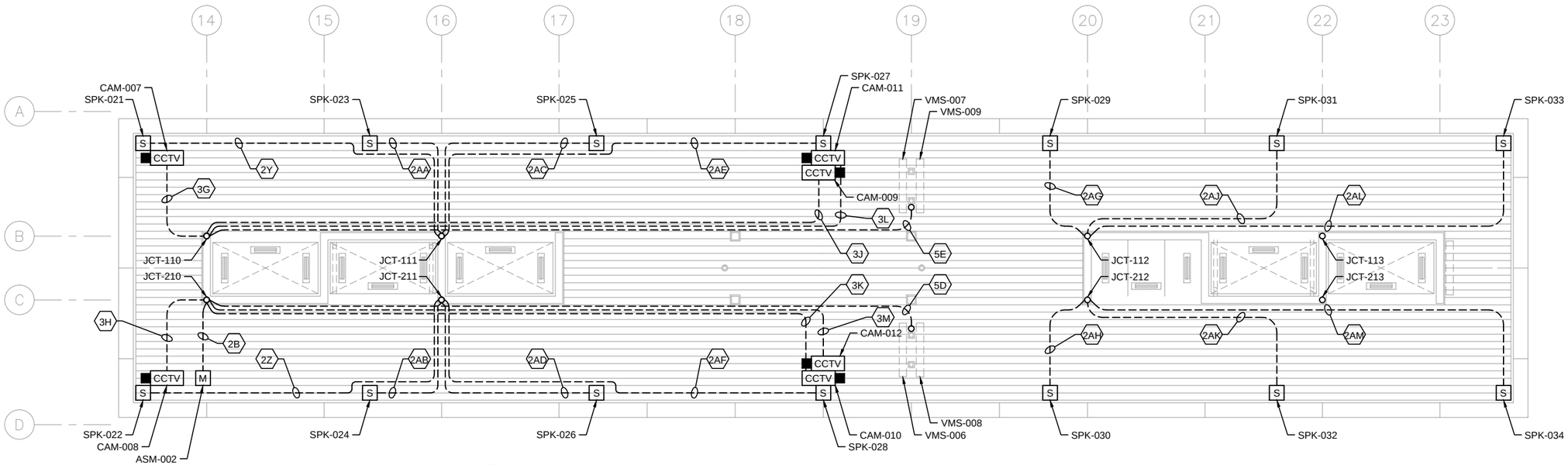
SHEET 313 OF 510

Jan, 18 2016 11:22 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-BLT-ELE-PLN-412.dwg By: FergTK



1 CANOPY PLAN – WEST

SCALE: 1/8"=1'–0"



2 CANOPY PLAN – EAST

SCALE: 1/8"=1'–0"

GENERAL NOTES:

1. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
2. SEE SHEETS E2-BLT-ELE-SCH-461 AND E2-BLT-ELE-SCH-462 FOR CONDUIT SCHEDULES.
3. ALL CONDUIT SHOWN SHALL BE GRS.
4. CONDUIT ROUTING SHOWN DIAGRAMMATICALLY.
5. CCTV CAMERAS AND MICROPHONE SHOWN FOR REFERENCE ONLY; WILL BE PROVIDED BY OTHERS.

KEYNOTES:

1.

0 2 4 8

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SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C BELTLINE STATION COMMUNICATIONS CANOPY PLAN

DISCIPLINE: ELECTRICAL

SHEET NAME: E2-BLT-ELE-PLN-421

SHEET 314 OF 510

Jan, 18 2016 11:23 am V:\3400_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-BLT-ELE-PLN-421.dwg By: FergTK

GENERAL NOTES:

1. CONDUIT NUMBERS CORRELATE TO ⬡ NUMBERS ON PLAN SHEETS AND ELEVATIONS.
2. SEE PLAN AND ELEVATION SHEETS FOR LOCATIONS OF CONDUITS.

BELTLINE STATION COMMUNICATION CONDUIT AND CABLE SCHEDULE

CONDUIT NO.	DEVICE ID	DESCRIPTION/USE	FROM	TO	CONDUIT SIZE
10A	BLT -CON-0001	S/C HOUSE TO SCC-001	S/C MANHOLE	BLT -SCC-001	3"
10B	BLT -CON-0002	S/C HOUSE TO SCC-001	S/C MANHOLE	BLT -SCC-001	3"
10C	BLT -CON-0003	S/C HOUSE TO SCC-001	S/C MANHOLE	BLT -SCC-001	3"
10D	BLT -CON-0004	S/C HOUSE TO SCC-001	S/C MANHOLE	BLT -SCC-001	3"
10E	BLT -CON-0005	UPS POWER FEED: SCH TO SCC	BLT -SCH-001	BLT -SCC-001	3"
1A	BLT -CON-0101	SCC TO JUNCTION 100	BLT -SCC-001	BLT -JCT-100	2"
1B	BLT -CON-0102	SCC TO JUNCTION 200	BLT -SCC-001	BLT -JCT-200	2"
1C	BLT -CON-0103	SCC TO JUNCTION 101	BLT -SCC-001	BLT -JCT-101	2"
1D	BLT -CON-0104	SCC TO JUNCTION 201	BLT -SCC-001	BLT -JCT-201	2"
1E	BLT -CON-0105	SCC TO JUNCTION 102	BLT -SCC-001	BLT -JCT-102	2"
1F	BLT -CON-0106	SCC TO JUNCTION 202	BLT -SCC-001	BLT -JCT-202	2"
1G	BLT -CON-0107	SCC TO JUNCTION 103	BLT -SCC-001	BLT -JCT-103	2"
1H	BLT -CON-0108	SCC TO JUNCTION 203	BLT -SCC-001	BLT -JCT-203	2"
1J	BLT -CON-0109	SCC TO JUNCTION 110	BLT -SCC-001	BLT -JCT-110	2"
1K	BLT -CON-0110	SCC TO JUNCTION 210	BLT -SCC-001	BLT -JCT-210	2"
1L	BLT -CON-0111	SCC TO JUNCTION 111	BLT -SCC-001	BLT -JCT-111	2"
1M	BLT -CON-0112	SCC TO JUNCTION 211	BLT -SCC-001	BLT -JCT-211	2"
1N	BLT -CON-0113	SCC TO JUNCTION 112	BLT -SCC-001	BLT -JCT-112	2"
1P	BLT -CON-0114	SCC TO JUNCTION 212	BLT -SCC-001	BLT -JCT-212	2"
1Q	BLT -CON-0115	SCC TO JUNCTION 113	BLT -SCC-001	BLT -JCT-113	2"
1R	BLT -CON-0116	SCC TO JUNCTION 213	BLT -SCC-001	BLT -JCT-213	2"
2A	BLT -CON-0201	MICROPHONE 1 - NOISE SENSING	BLT -JCT-103	BLT -ASM-001	1"
2B	BLT -CON-0202	MICROPHONE 2 - NOISE SENSING	BLT -JCT-210	BLT -ASM-002	1"
2C	BLT -CON-0203	SPEAKER 1 - POLE	BLT -SCC-001	BLT -SPK-001	1-1/2"
2D	BLT -CON-0204	SPEAKER 2 - POLE	BLT -SCC-001	BLT -SPK-002	1-1/2"
2E	BLT -CON-0205	SPEAKER 3 - POLE	BLT -SCC-001	BLT -SPK-003	1-1/2"
2F	BLT -CON-0206	SPEAKER 4 - POLE	BLT -SCC-001	BLT -SPK-004	1-1/2"
2G	BLT -CON-0207	SPEAKER 5 - POLE	BLT -SPK-003	BLT -SPK-005	1-1/2"
2H	BLT -CON-0208	SPEAKER 6 - POLE	BLT -SPK-004	BLT -SPK-006	1-1/2"
2J	BLT -CON-0209	SPEAKER 7 - CANOPY	BLT -JCT-101	BLT -SPK-007	1"
2K	BLT -CON-0210	SPEAKER 8 - CANOPY	BLT -JCT-201	BLT -SPK-008	1"
2L	BLT -CON-0211	SPEAKER 9 - CANOPY	BLT -JCT-101	BLT -SPK-009	1"
2M	BLT -CON-0212	SPEAKER 10 - CANOPY	BLT -JCT-201	BLT -SPK-010	1"
2N	BLT -CON-0213	SPEAKER 11 - CANOPY	BLT -JCT-101	BLT -SPK-011	1"
2P	BLT -CON-0214	SPEAKER 12 - CANOPY	BLT -JCT-201	BLT -SPK-012	1"
2Q	BLT -CON-0215	SPEAKER 13 - CANOPY	BLT -JCT-102	BLT -SPK-013	1"
2R	BLT -CON-0216	SPEAKER 14 - CANOPY	BLT -JCT-202	BLT -SPK-014	1"
2S	BLT -CON-0217	SPEAKER 15 - CANOPY	BLT -JCT-102	BLT -SPK-015	1"
2T	BLT -CON-0218	SPEAKER 16 - CANOPY	BLT -JCT-202	BLT -SPK-016	1"
2U	BLT -CON-0219	SPEAKER 17 - CANOPY	BLT -JCT-102	BLT -SPK-017	1"
2V	BLT -CON-0220	SPEAKER 18 - CANOPY	BLT -JCT-202	BLT -SPK-018	1"
2W	BLT -CON-0221	SPEAKER 19 - CANOPY	BLT -JCT-102	BLT -SPK-019	1"
2X	BLT -CON-0222	SPEAKER 20 - CANOPY	BLT -JCT-202	BLT -SPK-020	1"
2Y	BLT -CON-0223	SPEAKER 21 - CANOPY	BLT -JCT-111	BLT -SPK-021	1"
2Z	BLT -CON-0224	SPEAKER 22 - CANOPY	BLT -JCT-211	BLT -SPK-022	1"
2AA	BLT -CON-0225	SPEAKER 23 - CANOPY	BLT -JCT-111	BLT -SPK-023	1"
2AB	BLT -CON-0226	SPEAKER 24 - CANOPY	BLT -JCT-211	BLT -SPK-024	1"
2AC	BLT -CON-0227	SPEAKER 25 - CANOPY	BLT -JCT-111	BLT -SPK-025	1"
2AD	BLT -CON-0228	SPEAKER 26 - CANOPY	BLT -JCT-211	BLT -SPK-026	1"
2AE	BLT -CON-0229	SPEAKER 27 - CANOPY	BLT -JCT-111	BLT -SPK-027	1"
2AF	BLT -CON-0230	SPEAKER 28 - CANOPY	BLT -JCT-211	BLT -SPK-028	1"
2AG	BLT -CON-0231	SPEAKER 29 - CANOPY	BLT -JCT-112	BLT -SPK-029	1"
2AH	BLT -CON-0232	SPEAKER 30 - CANOPY	BLT -JCT-212	BLT -SPK-030	1"
2AJ	BLT -CON-0233	SPEAKER 31 - CANOPY	BLT -JCT-112	BLT -SPK-031	1"
2AK	BLT -CON-0234	SPEAKER 32 - CANOPY	BLT -JCT-212	BLT -SPK-032	1"
2AL	BLT -CON-0235	SPEAKER 33 - CANOPY	BLT -JCT-112	BLT -SPK-033	1"
2AM	BLT -CON-0236	SPEAKER 34 - CANOPY	BLT -JCT-212	BLT -SPK-034	1"

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METROPOLITAN COUNCIL SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BELTLINE STATION
COMMUNICATIONS
CONDUIT SCHEDULE (1 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E2-BLT-ELE-SCH-461

SHEET 315 OF 510

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BELTLINE STATION COMMUNICATION CONDUIT AND CABLE SCHEDULE

CONDUIT NO.	DEVICE ID	DESCRIPTION/USE	FROM	TO	CONDUIT SIZE
3A	BLT -CON-0301	CAMERA 1	BLT -JCT-103	BLT CAM-001	1"
3B	BLT -CON-0302	CAMERA 2	BLT -JCT-203	BLT CAM-002	1"
3C	BLT -CON-0303	CAMERA 3	BLT -JCT-103	BLT CAM-003	1"
3D	BLT -CON-0304	CAMERA 4	BLT -JCT-203	BLT CAM-004	1"
3E	BLT -CON-0305	CAMERA 5	BLT -JCT-103	BLT CAM-005	1"
3F	BLT -CON-0306	CAMERA 6	BLT -JCT-203	BLT CAM-006	1"
3G	BLT -CON-0307	CAMERA 7	BLT -JCT-110	BLT CAM-007	1"
3H	BLT -CON-0308	CAMERA 8	BLT -JCT-210	BLT CAM-008	1"
3J	BLT -CON-0309	CAMERA 9	BLT -JCT-110	BLT CAM-009	1"
3K	BLT -CON-0310	CAMERA 10	BLT -JCT-210	BLT CAM-010	1"
3L	BLT -CON-0311	CAMERA 11	BLT -JCT-110	BLT CAM-011	1"
3M	BLT -CON-0312	CAMERA 12	BLT -JCT-210	BLT CAM-012	1"
4A	BLT -CON-0401	KIOSK 1 (F)	BLT -SCC-001	BLT -KSK-001	2"
4B	BLT -CON-0402	KIOSK 2 (F)	BLT -SCC-001	BLT -KSK-002	2"
5A	BLT -CON-0501	VMS 1 (F)	BLT -SCC-001	BLT -VMS-001	1"
5B	BLT -CON-0502	VMS 2, VMS 3	BLT -SCC-001	BLT -VMS-002, -VMS-003	1-1/2"
5C	BLT -CON-0503	VMS 4, VMS 5	BLT -SCC-001	BLT -VMS-004, -VMS-005	1-1/2"
5D	BLT -CON-0504	VMS 6, VMS 7	BLT -SCC-001	BLT -VMS-006, -VMS-007	1-1/2"
5E	BLT -CON-0505	VMS 8, VMS 9	BLT -SCC-001	BLT -VMS-008, -VMS-009	1-1/2"
5F	BLT -CON-0506	VMS 10 (F)	BLT -SCC-001	BLT -VMS-010	1"
6A	BLT -CON-0601	TVM 1	BLT -SCC-001	BLT -TVM-001	2"
6B	BLT -CON-0602	TVM 2	BLT -SCC-001	BLT -TVM-002	2"
7A	BLT -CON-0701	VALIDATOR 1	BLT -SCC-001	BLT -RSV-001	1-1/2"
7B	BLT -CON-0702	VALIDATOR 2	BLT -SCC-001	BLT -RSV-002	1-1/2"
7C	BLT -CON-0703	VALIDATOR 3	BLT -SCC-001	BLT -RSV-003	1-1/2"
7D	BLT -CON-0704	VALIDATOR 4	BLT -SCC-001	BLT -RSV-004	1-1/2"
8A	BLT -CON-0801	EMERGENCY TELEPHONE 1 - PHONE	BLT -SCC-001	BLT -ETL-001	1-1/2"
8B	BLT -CON-0802	EMERGENCY TELEPHONE 1 - BEACON LIGHT 1	BLT -ETL-001	BLT -ETB-001	1"
8C	BLT -CON-0803	EMERGENCY TELEPHONE 1 - BEACON LIGHT 2	BLT -ETL-001	BLT -ETB-002	1"
9A	BLT -CON-0901	STATION ELECTRICAL CABINET	BLT -SCC-001	BLT -SEC-001	2"

GENERAL NOTES:

1. CONDUIT NUMBERS CORRELATE TO ⬡ NUMBERS ON PLAN SHEETS AND ELEVATIONS.
2. SEE PLAN AND ELEVATION SHEETS FOR LOCATIONS OF CONDUITS.

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BELTLINE STATION
COMMUNICATIONS
CONDUIT SCHEDULE (2 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E2-BLT-ELE-SCH-462

SHEET 316 OF 510

BELTLINE CONDUIT AND WIRE SCHEDULE

CONDUIT NUMBER	SIZE	WIRE	FROM	TO	REMARKS	NOTES
1	1"	2#8, 1#10G	HEATERS HTR-101, 102, 103	PANELBOARD LP1A	POWER TO HEATERS	
2	1"	2#8, 1#10G	HEATERS HTR-104, 105, 106	PANELBOARD LP1A	POWER TO HEATERS	
3	1"	2#8, 1#10G	HEATERS HTR-107, 108, 109	PANELBOARD LP1A	POWER TO HEATERS	
4	1"	2#8, 1#10G	HEATERS HTR-110, 111, 112	PANELBOARD LP1A	POWER TO HEATERS	
5	1"	2#8, 1#10G	HEATERS HTR-113, 114, 115	PANELBOARD LP1A	POWER TO HEATERS	
6	1"	2#8, 1#10G	HEATERS HTR-116, 117, 118	PANELBOARD LP1A	POWER TO HEATERS	
7	1"	2#8, 1#10G	HEATERS HTR-119, 120, 121	PANELBOARD LP1A	POWER TO HEATERS	
8	1"	2#8, 1#10G	HEATERS HTR-122, 123, 124	PANELBOARD LP1A	POWER TO HEATERS	
9	1"	2#8, 1#10G	HEATERS HTR-125, 126, 127	PANELBOARD LP1A	POWER TO HEATERS	
10	1"	2#8, 1#10G	HEATERS HTR-128, 129, 130	PANELBOARD LP1A	POWER TO HEATERS	
11	1"	2#8, 1#10G	HEATERS HTR-131, 132, 133	PANELBOARD LP1A	POWER TO HEATERS	
12	1"	2#8, 1#10G	HEATERS HTR-134, 135, 136	PANELBOARD LP1A	POWER TO HEATERS	
13	1"	2#14, 1#14G	HPB-101	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
14	1"	2#14, 1#14G	HPB-102	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
15	1"	2#14, 1#14G	HPB-103	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
16	1"	2#14, 1#14G	HPB-104	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
17	1"	2#14, 1#14G	HPB-105	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
18	1"	2#14, 1#14G	HPB-106	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
19	1"	2#14, 1#14G	HPB-107	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
20	1"	2#14, 1#14G	HPB-108	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
21	1"	2#14, 1#14G	HPB-109	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
22	1"	2#14, 1#14G	HPB-110	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
23	1"	2#14, 1#14G	HPB-111	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
24	1"	2#14, 1#14G	HPB-112	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
25	1"	2#10, 1#10G	TVM-101	PANELBOARD LP1B	POWER TO TVMs	
26	1"	2#10, 1#10G	TVM-102	PANELBOARD LP1B	POWER TO TVM	
27	1"	4#12, 2#12G	RSV-101, RSV-102	PANELBOARD LP1B	POWER TO RSVs	
28	1"	4#12, 2#12G	RSV-103, RSV-104	PANELBOARD LP1B	POWER TO RSVs	
29	1"	2#12, 1#12G	KSK-101	PANELBOARD LP1A	POWER TO KIOSK	
30	1"	2#12, 1#12G	KSK-102	PANELBOARD LP1A	POWER TO KIOSK	
31	1"	2#12, 1#12G	CANOPY LUMINAIRES	PANELBOARD LP1A	POWER TO LUMINAIRES	
32	1"	2#12, 1#12G	CANOPY LUMINAIRES	PANELBOARD LP1A	POWER TO LUMINAIRES	
33	1"	2#12, 1#12G	CANOPY LUMINAIRES	PANELBOARD LP1A	POWER TO LUMINAIRES	
34	1"	2#12, 1#12G	CANOPY LUMINAIRES	PANELBOARD LP1A	POWER TO LUMINAIRES	
35	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2
36	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2
37	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2
38	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2
39	1"	2#10, 1#10G	RAMP LIGHTING	PANELBOARD LP1A	POWER TO RAMP LIGHTING	
40	1"	2#10, 1#10G	RAMP LIGHTING	PANELBOARD LP1A	POWER TO RAMP LIGHTING	
41	1"	2#10, 1#10G	RAMP LIGHTING	PANELBOARD LP1A	POWER TO RAMP LIGHTING	
42	1"	2#10, 1#10G	RAMP LIGHTING	PANELBOARD LP1A	POWER TO RAMP LIGHTING	
43	1"	4#10, 1#10G	COMMUNICATIONS CABINET SCC-001	PANELBOARD LP1B	POWER TO COMMUNICATIONS CABINET	
44	1"	EMPTY W/ PULL CORD	VMS-001 (F)	PANELBOARD LP1B	POWER TO VMS (F)	
45	1"	4#10, 2#10G	VMS-002, VMS-003	PANELBOARD LP1B	POWER TO VMS	
46	1"	4#10, 2#10G	VMS-008, VMS-009	PANELBOARD LP1B	POWER TO VMS	
47	1"	EMPTY W/ PULL CORD	VMS-010 (F)	PANELBOARD LP1B	POWER TO VMS (F)	
48	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
49	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
50	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
51	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
52	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
53						
54						
55						

ELECTRICAL NOTES
1. NOT USED
2. 3/C#18 CABLE FOR AMBIENT AIR TEMPERATURE SENSOR IS ALSO RUN IN THE CONDUIT.

PANELBOARD SCHEDULE BLT-LP1A

400 AMP BUS RATING, 120/208 VOLTS, 400 MLO, 3 PHASE, 4 WIRE 60Hz, 42 POLES, SURFACE MOUNTED, LOCATION

DESCRIPTION	kVA	AMPS/POLES	CKT	AØ	BØ	CØ	CKT	AMPS/POLES	kVA	DESCRIPTION
RAMP LIGHTING	0.4	20/1	1	X			2	30/2	2.4	HTR-119, 120, 121
RAMP LIGHTING	0.4	20/1	3		X		4		2.4	
HTR-101, 102, 103	2.4	30/2	5			X	6	30/2	2.4	HTR-122, 123, 124
	2.4		7	X			8		2.4	
HTR-104, 105, 106	2.4	30/2	9		X		10	30/2	2.4	HTR-125, 126, 127
	2.4		11			X	12		2.4	
HTR-107, 108, 109	2.4	30/2	13	X			14	30/2	2.4	HTR-128, 129, 130
	2.4		15		X		16		2.4	
HTR-110, 111 112	2.4	30/2	17			X	18	30/2	2.4	HTR-131, 132, 133
	2.4		19	X			20		2.4	
HTR-113, 114, 115	2.4	30/2	21		X		22	30/2	2.4	HTR-134, 135, 136
	2.4		23			X	24		2.4	
HTR-116, 117, 118	2.4	30/2	25	X			26	20/1	0.16	SHELTER LUMINAIRES
	2.4		27		X		28	20/1	0.16	SHELTER LUMINAIRES
KSK-101	0.3	20/1	29			X	30	20/1	0.17	SHELTER LUMINAIRES
KSK-102	0.3	20/1	31	X			32	20/1	0.17	SHELTER LUMINAIRES
HTRCP-101	1.0	30/2	33		X		34	20/1	1.0	POLE LUMINAIRES
	1.0		35			X	36	20/1		SPARE
HTRCP-102	1.0	30/2	37	X			38	20/1		SPARE
	1.0		39		X		40			SPACE
SPACE			41			X	42			SPACE
		kVA		26.5	28.0	26.7	kVA		5.3	
		AMPS		221.1	233.0	222.3	AMPS		5.2	
									6.0	FEED THROUGH LUGS LP1B

PANELBOARD SCHEDULE BLT-LP1B

400 AMP BUS RATING, 120/208 VOLTS, 400 MLO, 3 PHASE, 4 WIRE 60Hz, 30 POLES, SURFACE MOUNTED, LOCATION

DESCRIPTION	kVA	AMPS/POLES	CKT	AØ	BØ	CØ	CKT	AMPS/POLES	kVA	DESCRIPTION
SPD		60/2	1	X			2	20/1	0.3	RSV-101
			3		X		4	20/1	0.3	RSV-102
SEC-001	0.5	20/1	5			X	6	20/1	0.3	RSV-103
VMS-001 (FUTURE)	1.0	20/1	7	X			8	20/1	0.3	RSV-104
VMS-002	1.0	20/1	9		X		10	20/1		SPARE
VMS-003	1.0	20/1	11			X	12	20/1		SPARE
SCC-001	2.7	30/2	13	X			14	20/1	1.0	VMS-008
	2.7		15		X		16	20/1	1.0	VMS-009
SPARE		20/1	17			X	18	20/1	1.0	VMS-010 (FUTURE)
SPARE		20/1	19	X			20	30/1		SPARE
HTG AND LTG CONTROL SYSTEM	0.2	15/1	21		X		22	30/1		SPARE
TVM-101	1.6	30/1	23			X	24	30/1	1.6	TVM-102
SPACE			25	X			26			SPACE
SPACE			27		X		28			SPACE
SPACE			29			X	30			SPACE
		kVA		5.3	5.2	6.0	kVA			
		AMPS		44.2	43.3	50.0	AMPS			

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METROPOLITAN COUNCIL
SOUTHWEST, Green Line LRT Extension

CIVIL - VOLUME 11C
BELTLINE STATION
ELECTRICAL
SCHEDULES

DISCIPLINE: ELECTRICAL
SHEET NAME: E2-BLT-ELE-SCH-501

SHEET 317 OF 510

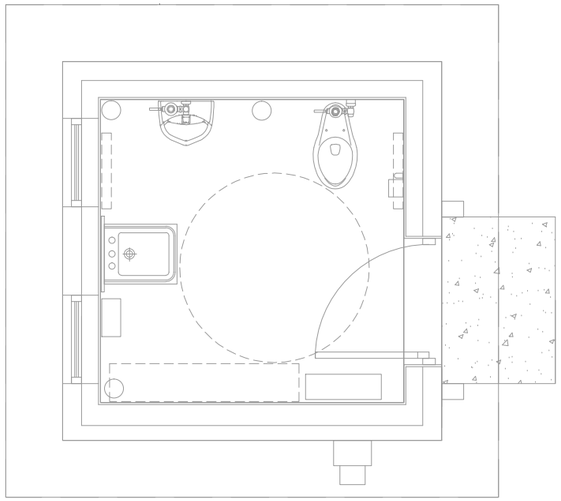
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GENERAL NOTES:

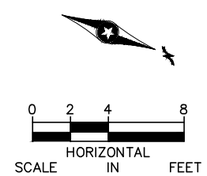
1. XXXXX

KEYNOTES:

1. XXXXX



1 REST ROOM FACILITY POWER PLAN
SCALE: 1/4"=1'-0"



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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
BELTLINE STATION
ELECTRICAL
BUS OPERATOR RESTROOM FACILITY PLAN

DISCIPLINE: ELECTRICAL

SHEET NAME: E2-BLT-ELE-PLN-601

SHEET 318 OF 510

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CODE SUMMARY - CENTER PLATFORM
WEST LAKE STATION

CODE REFERENCES

MINNESOTA STATE BUILDING CODE	2015
NFPA 130 – STANDARD FOR FIXED GUIDEWAY TRANSIT AND PASSENGER RAIL SYSTEMS	2014

IBC REVIEW

A. DESCRIPTION
LOCATION: MINNEAPOLIS, MN

THE LIGHT RAIL TRANSIT STATION IS A PARTIALLY CANOPIED PLATFORM AREA. IT CONSISTS OF A PLATFORM 270' LONG BY 21'–4" ACCESSED BY A SLOPED WALK AT EACH END OF PLATFORM. PLATFORM IS OPEN TO EXTERIOR ON ALL FOUR SIDES.

A PASSENGER ELEVATOR AND OPEN STAIR (VERTICAL CIRCULATION) ARE PROVIDED FOR PEDESTRIAN STATION ACCESS FROM WEST LAKE STREET.

TYPICAL PLATFORM AREA: 5760 SQUARE FEET (GROSS AREA)
4264 SQUARE FEET (NET AREA AFTER STRUCTURAL ELEMENTS, FIXTURES AND PERMANENTLY INSTALLED FURNISHINGS ARE REMOVED)

CANOPY COVERAGE AREA AT PLATFORM: = 3904 SQUARE FEET
1952 SQUARE FEET (1 @ 96'–0" X 20'–4") WEST CANOPY
1952 SQUARE FEET (1 @ 96'–0" X 20'–4") EAST CANOPY

B. OCCUPANCY CLASSIFICATION (IBC 2015 SECTION 303.1)

WAITING AREAS IN TRANSPORTATION TERMINALS: GROUP 'A' DIVISION 3
(15 S.F. PER PERSON)

C. OCCUPANCY SEPARATIONS

NONE ARE REQUIRED
ELEVATOR HOIST WAY DOES NOT PENETRATE FLOOR/CEILING OR ROOF/CEILING ASSEMBLIES – NO RATING REQUIRED
ELEVATOR MACHINE ROOM DOES NOT ABUT, OR OPEN TO, THE ELEVATOR HOIST WAY – NO RATING REQUIRED

D. TYPE OF CONSTRUCTION (IBC 2015 TABLE 601)

TYPE IIB CONSTRUCTION

E. ALLOWABLE BUILDING AREA AND BUILDING HEIGHT (IBC 2015 TABLE 503)

2 STORIES AT 9,500 SQUARE FEET PER STORY

F. IBC EXITING SUMMARY

NO. OF OCCUPANTS = 4264 S.F. / 15 S.F./OCC = 285
REQUIRED EGRESS WIDTH = 285 X 0.2 = 57" (PER 1005.3.2)
WIDTH PROVIDED = 2 RAMPS AT 145" = 290"
2 MEANS OF EGRESS PROVIDED
THE VERTICAL CIRCULATION IS NOT CONSIDERED A MEANS OF EGRESS FROM THE STATION AND IS CONSIDERED UNOCCUPIED.
FINAL ANALYSIS OF TUNNEL EGRESS VIA THE GROUND LEVEL OF THE VERTICAL CIRCULATION (EAST TOWER) TO BE DETERMINED.

PLATFORM COLOR AND FINISH SCHEDULE

PRODUCTS AND COLORS LISTED ARE THE BASIS OF DESIGN FOR AESTHETIC/ARCHITECTURAL INTENT. SEE SPECIFICATIONS FOR MATERIAL/PRODUCT REQUIREMENTS.

PLATFORM COLOR AND FINISH SCHEDULE

TYPE	STATION	STRUCTURAL STEEL PAINT COLOR	PLATFORM CONC COLOR	PLATFORM CONC FINISH	CONC WALL COLOR	CONC WALL FINISH	RAILING INFILL MATERIAL	ALUM WDW FRAME FINISH	EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA FINISH	ALUM COMP CANOPY SOFFIT AND FASCIA COLOR	TRANSLUCENT PLASTIC PANEL
CENTER	WEST LAKE STATION	PPG 126–7 COPPER PENNY	CEMSTONE SPLIT ROCK	LIGHT BROOM	CEMSTONE SPLIT ROCK	TBD	GALV STL CABLE	CLEAR ANODIZED	HUNTER DOUGLAS WOODWRIGHT 8449 WINDJAMMER TEAK	ALUCOBOND CHERRY SMITH SILVER MICA COOL	3FORM KODA XT ORANGE 0–04

VERTICAL CIRCULATION COLOR AND FINISH SCHEDULE

PRECAST WALL COLOR	PRECAST FLOOR COLOR	STRUCTURAL STEEL PAINT COLOR	PLATFORM CONC COLOR	PLATFORM CONC FINISH	CONC WALL COLOR	CONC WALL FINISH	ARCH WOVEN MESH	ALUM WDW FRAME FINISH	EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA FINISH	ALUM COMP CANOPY SOFFIT AND FASCIA COLOR	TRANSLUCENT PLASTIC PANEL
TBD	TBD	PPG 126–7 COPPER PENNY	CEMSTONE SPLIT ROCK	TBD	CEMSTONE SPLIT ROCK	TBD	GKD OMEGA DIVERGENCE	CLEAR ANODIZED	HUNTER DOUGLAS WOODWRIGHT 8449 WINDJAMMER TEAK	ALUCOBOND CHERRY SMITH SILVER MICA COOL	3FORM KODA XT ORANGE 0–04

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

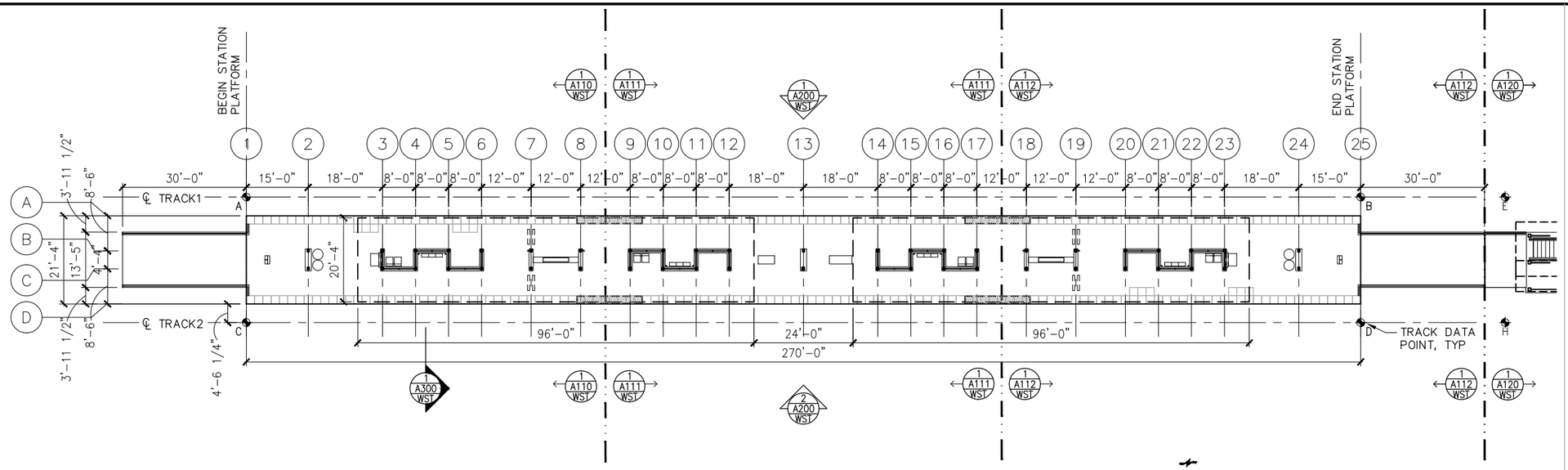
CIVIL - VOLUME 11C
WEST LAKE STATION
CODE SUMMARY / FINISH SCHEDULE

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-COD-010

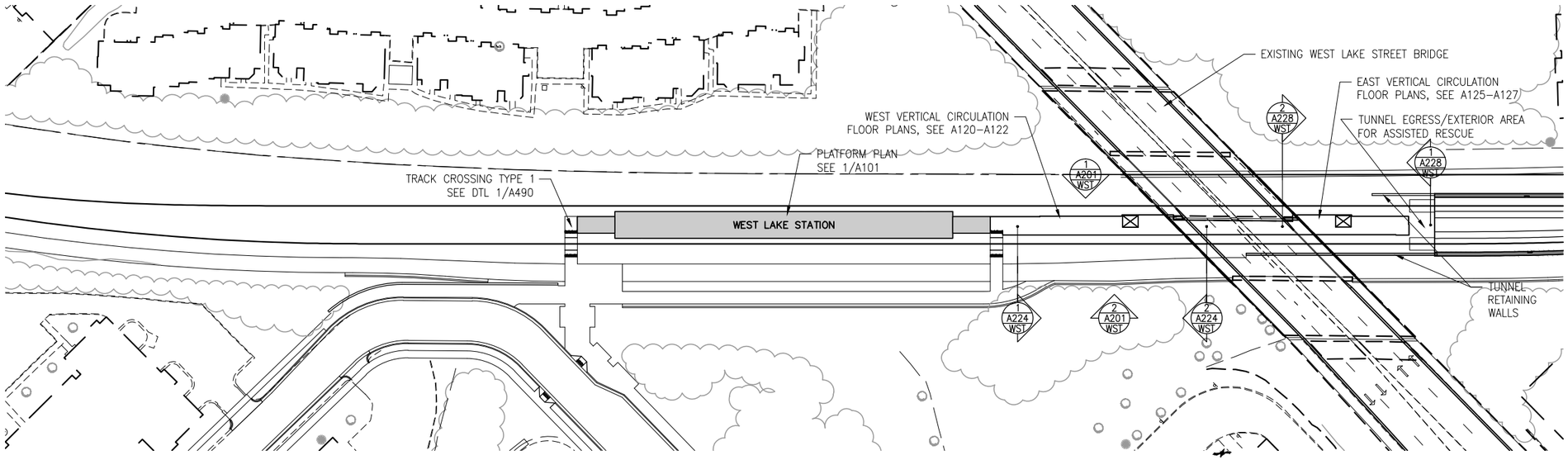
SHEET 319 OF 510

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1 PLATFORM PLAN
SCALE: 1"=30'

0 7.5 15 30
SCALE



2 STATION AREA PLAN
SCALE: 1"=100'

0 25 50 100
SCALE

TRACK DATA

✥ ELEV 100'-0" (LOCATION ON PLAN)

TRACK 1 EL 100'-0"= 874.43 (PT 'B')

POINT	T.O. RAIL ELEVATION	TRACK 1 STATIONING	
A	875.78	1765+95.03	
B	874.43	1768+65.03	

TRACK 2 EL 100'-0"= 874.43 (PT 'D')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING	
C	875.78	2765+95.03	
D	874.43	2768+65.03	



SECTION DIAGRAM AT PLATFORM EDGE
SEE DTL 1/A520
FOR DETAIL AND DIMENSIONS

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SOUTHWEST Green Line LRT Extension

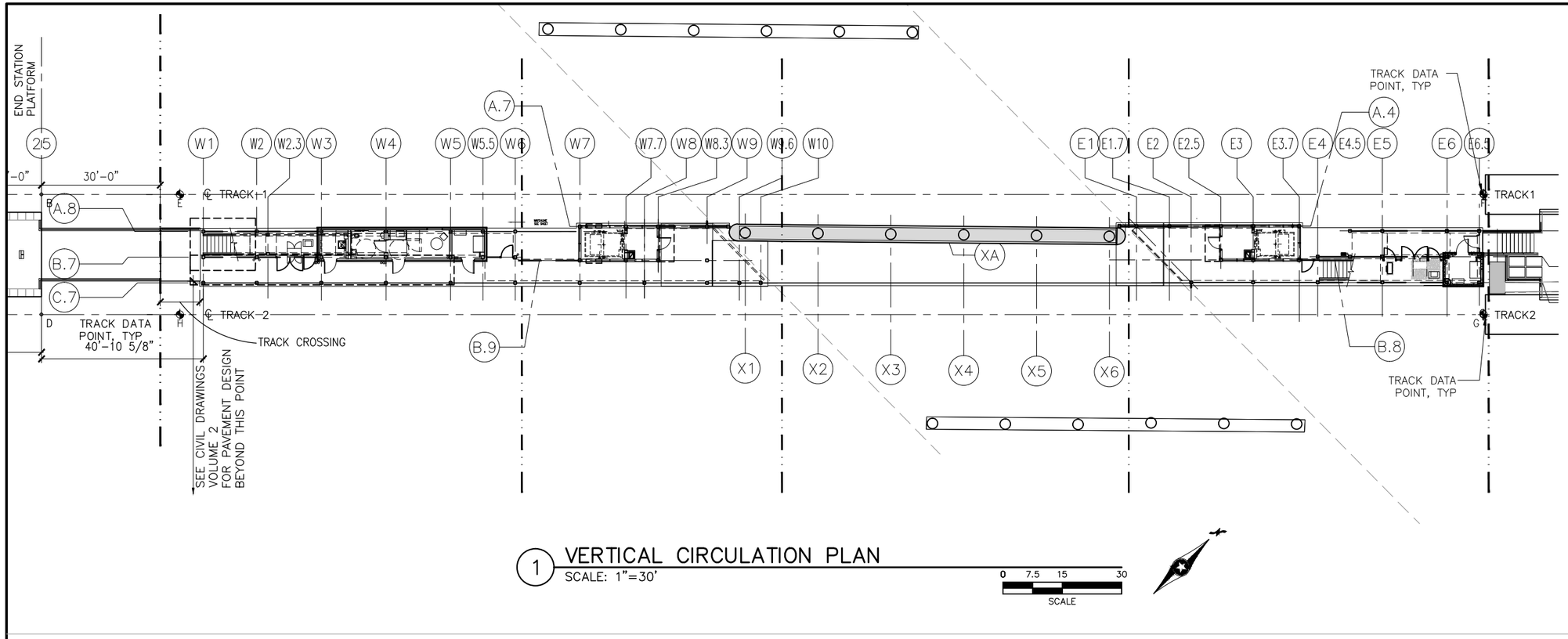
CIVIL - VOLUME 11C
WEST LAKE STATION
PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-PLN-101

SHEET 320 OF 510

Jan. 18 2016 09:57 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-101.dwg By: V-Zasuie0B



1 VERTICAL CIRCULATION PLAN
SCALE: 1"=30'

0 7.5 15 30
SCALE

SEE SHEET A101 FOR STATION PLATFORM TRACK DATA POINT LOCATIONS

SEE SHEET A101 FOR STATION AREA PLAN

TRACK DATA

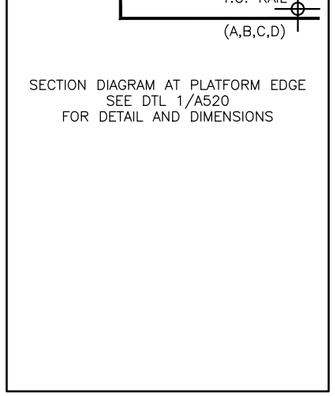
ELEV 100'-0" (LOCATION ON PLAN)

TRACK 1 EL 100'-0"= 874.43 (PT 'B')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING	
A	–	–	SEE A101
B	–	–	SEE A101
E	874.26	1769+00.03	
F	870.11	1772+29.52	

TRACK 2 EL 100'-0"= 874.43 (PT 'D')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING	
C	–	–	SEE A101
D	–	–	SEE A101
G	870.11	2772+29.52	
H	874.26	2769+00.03	



SECTION DIAGRAM AT PLATFORM EDGE
SEE DTL 1/A520
FOR DETAIL AND DIMENSIONS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

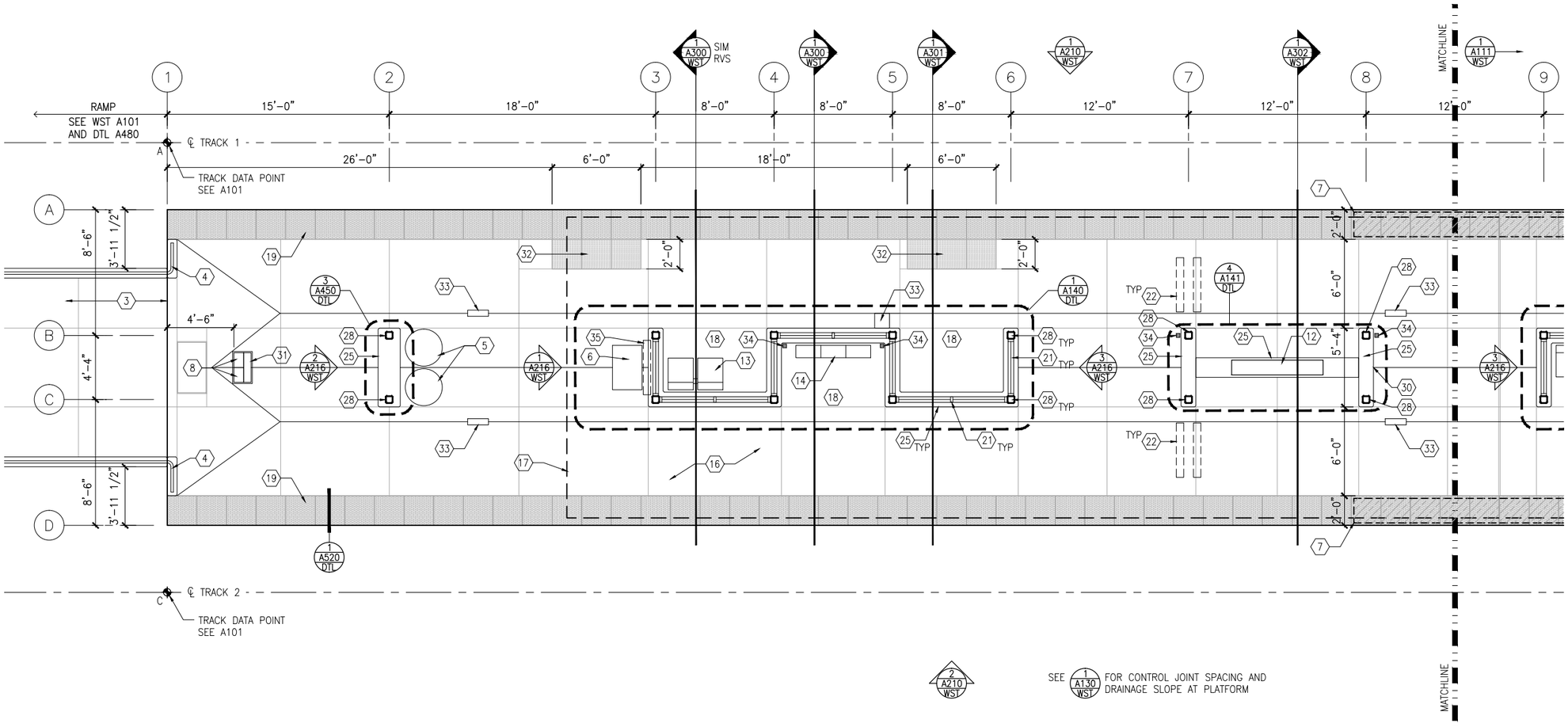
CIVIL - VOLUME 11C
WEST LAKE STATION
VERTICAL CIRCULATION PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-PLN-102

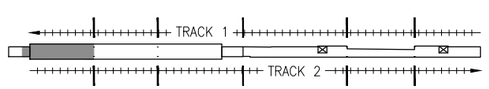
SHEET 321 OF 510

Jan, 18 2016 09:59 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-102.dwg By: V-ZosuieOB



1 WEST PARTIAL PLATFORM PLAN
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



KEYPLAN

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. ADA BETWEEN-CAR BARRIER
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE – SEE ELECTRICAL
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

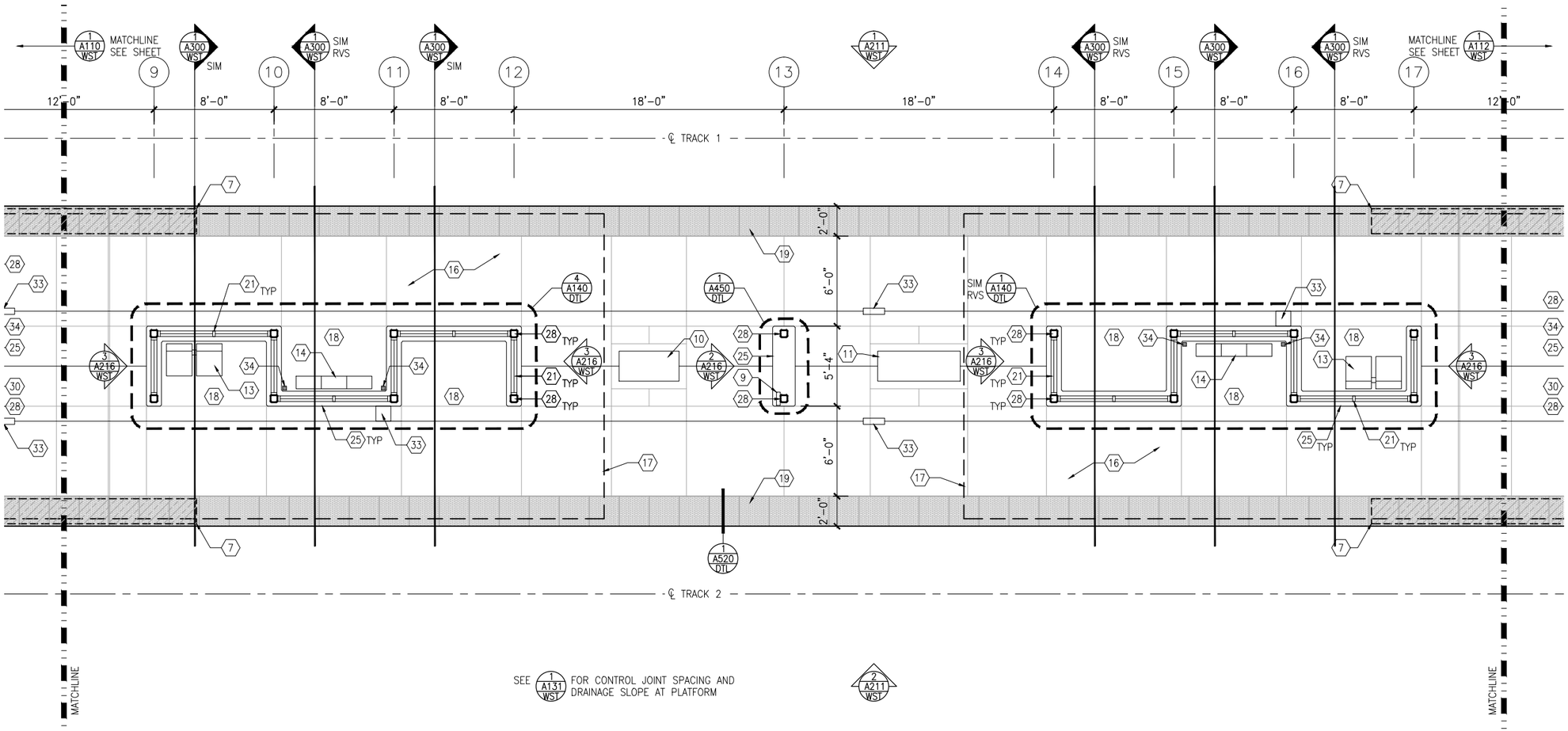
CIVIL - VOLUME 11C
WEST LAKE STATION
WEST PARTIAL PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-PLN-110

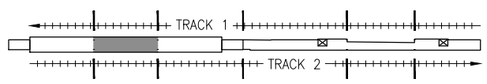
SHEET 322 OF 510

Jan, 18 2016 10:00 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-110.dwg By: V-ZasueOB



1 MIDDLE PARTIAL PLATFORM PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



KEYPLAN

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. ADA BETWEEN-CAR BARRIER
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE – SEE ELECTRICAL
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

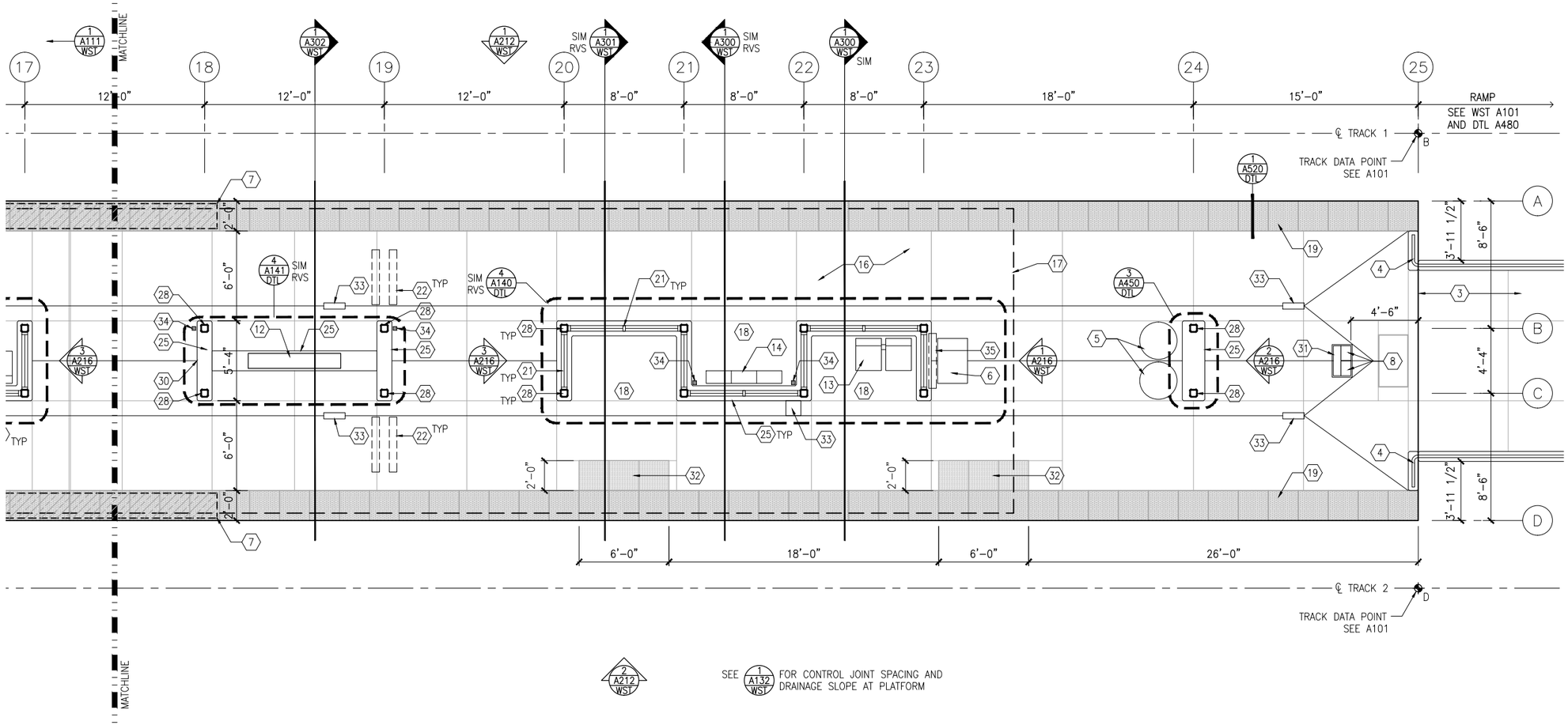
CIVIL - VOLUME 11C
WEST LAKE STATION
MIDDLE PARTIAL PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-PLN-111

SHEET 323 OF 510

Jan, 18 2016 10:00 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-111.dwg By: V-ZasuleOB

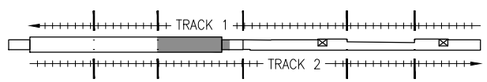


SEE (2 / A212 WST) FOR CONTROL JOINT SPACING AND DRAINAGE SLOPE AT PLATFORM

(1) EAST PARTIAL PLATFORM PLAN

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



KEYPLAN

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. ADA BETWEEN-CAR BARRIER
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
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22. VARIABLE MESSAGE SIGN ABOVE – SEE ELECTRICAL
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

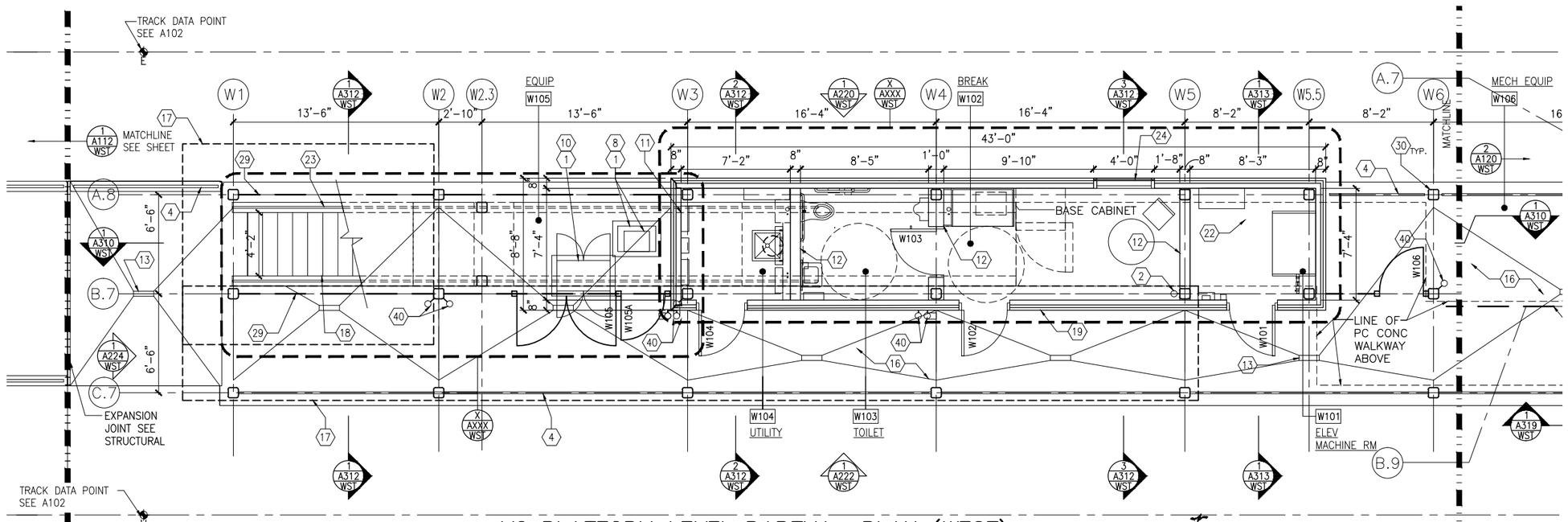
CIVIL - VOLUME 11C
WEST LAKE STATION
EAST PARTIAL PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

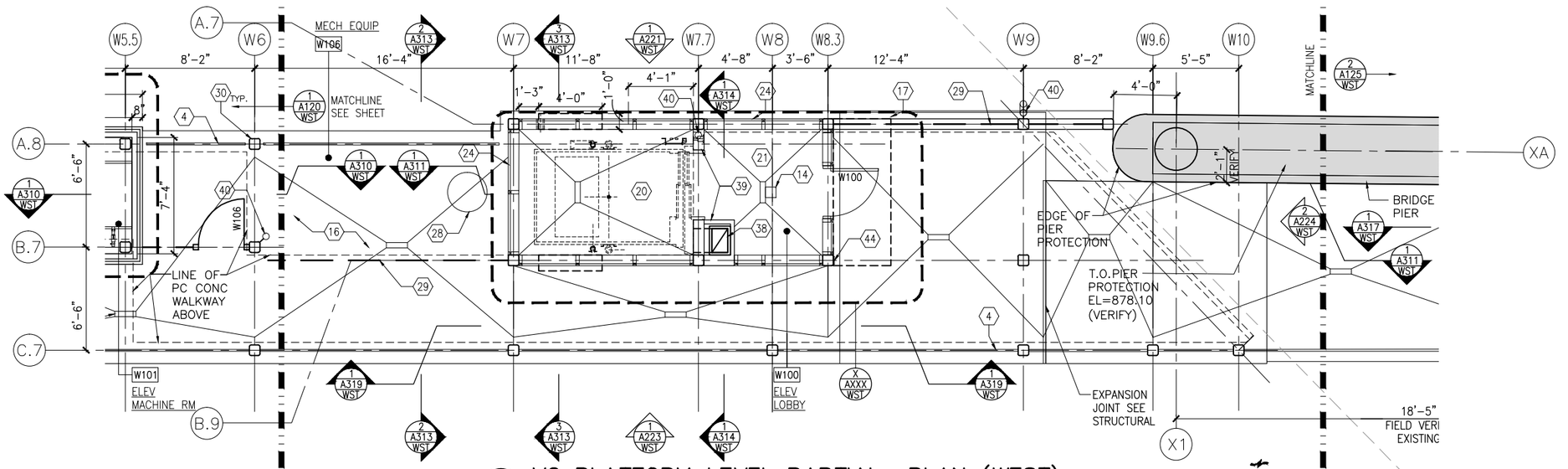
SHEET NAME: E3-WST-ARC-PLN-112

SHEET 324 OF 510

Jan, 18 2016 10:01 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-112.dwg By: V-ZasuleOB



1 VC PLATFORM LEVEL PARTIAL PLAN (WEST)
SCALE:1/8"=1'-0"
SCALE 0 2 4 8



2 VC PLATFORM LEVEL PARTIAL PLAN (WEST)
SCALE:1/8"=1'-0"
SCALE 0 2 4 8

SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. CONCRETE HOUSEKEEPING PAD
2. RAINWATER LEADER – SEE PLUMB
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. CONDENSING UNIT – SEE MECH
8. TRANSFORMER – SEE ELEC
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. CMU WALL
13. AREA DRAIN
14. SNOW MELT SYSTEM
15. PRCST CONC WALKWAY
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. PRCST CONC STAIR – SEE STRUCT
19. PRCST CONC WALL PANEL–SEE STRUCT
20. ELEVATOR
21. ELEVATOR LOBBY
22. ELEVATOR MACHINE ROOM
23. GUARD RAIL
24. ALUM & GLASS FRAMING SYSTEM
25. VARIABLE MESSAGE SIGN
26. METAL SOFFIT AND FASCIA
27. GUARD RAIL
28. SUMP PIT
29. ARCHITECTURAL WOVEN MESH
30. STEEL COLUMN – SEE STRUCTURAL
31. STEEL BEAM – SEE STRUCTURAL
32. CONNECTION WALL HYDRANT
33. EXPANSION JOINT
34. EXISTING CRASH BARRIER
35. CRASH BARRIER/GUARD RAIL
36. EXISTING BARRIER / SIDEWALK
37. ROOF BELOW – SEE ROOF PLAN
38. CHASE – SEE MECH FOR DUCT WORK
39. COMPOSITE ALUM WALL PANEL
40. PAINTED CAST IRON (AP CTG) METAL DOWNSPOUT
41. LIGHT MOUNTED TO STRUCTURE
42. NOT USED
43. REFRIGERANT LINE ENCLOSURE– SEE MECHANICAL FOR REFRIGERANT LINES
44. DOOR OPERATOR PUSH BUTTON

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

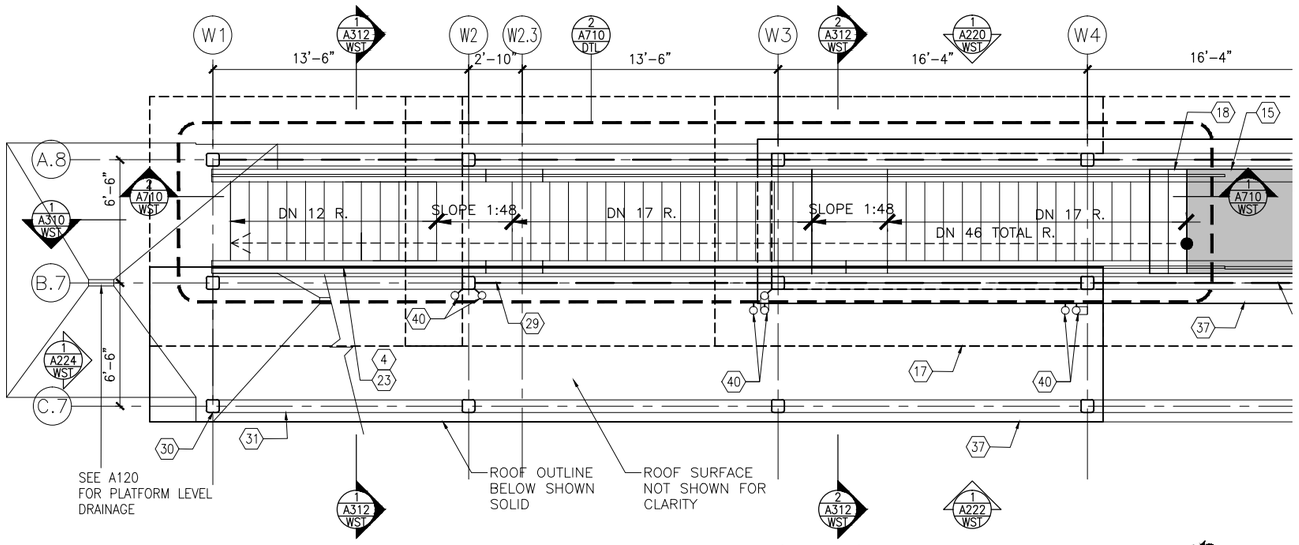
CIVIL - VOLUME 11C
WEST LAKE STATION
VC PLATFORM LEVEL PLAN (WEST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-PLN-120

SHEET 325 OF 510

Jan, 18 2016 10:01 am V: \3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-120.dwg By: V-Zasue0B



1 VC INTERMEDIATE LEVEL PLAN (WEST)
SCALE:1/8"=1'-0"

0 2 4 8
SCALE

LEGEND

PRECAST CONCRETE WALKWAY

SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. CONCRETE HOUSEKEEPING PAD
2. RAINWATER LEADER – SEE PLUMB
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. CONDENSING UNIT – SEE MECH
8. TRANSFORMER – SEE ELEC
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. CMU WALL
13. AREA DRAIN
14. SNOW MELT SYSTEM
15. PRCST CONC WALKWAY
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. PRCST CONC STAIR – SEE STRUCT
19. PRCST CONC WALL PANEL–SEE STRUCT
20. ELEVATOR
21. ELEVATOR LOBBY
22. ELEVATOR MACHINE ROOM
23. GUARD RAIL
24. ALUM & GLASS FRAMING SYSTEM
25. VARIABLE MESSAGE SIGN
26. METAL SOFFIT AND FASCIA
27. GUARD RAIL
28. SUMP PIT
29. ARCHITECTURAL WOVEN MESH
30. STEEL COLUMN – SEE STRUCTURAL
31. STEEL BEAM – SEE STRUCTURAL
32. CONNECTION WALL HYDRANT
33. EXPANSION JOINT
34. EXISTING CRASH BARRIER
35. CRASH BARRIER/GUARD RAIL
36. EXISTING BARRIER / SIDEWALK
37. ROOF BELOW – SEE ROOF PLAN
38. CHASE – SEE MECH FOR DUCT WORK
39. COMPOSITE ALUM WALL PANEL
40. PAINTED CAST IRON (AP CTG) METAL DOWNSPOUT
41. LIGHT MOUNTED TO STRUCTURE
42. NOT USED
43. REFRIGERANT LINE ENCLOSURE– SEE MECHANICAL FOR REFRIGERANT LINES
44. DOOR OPERATOR PUSH BUTTON

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

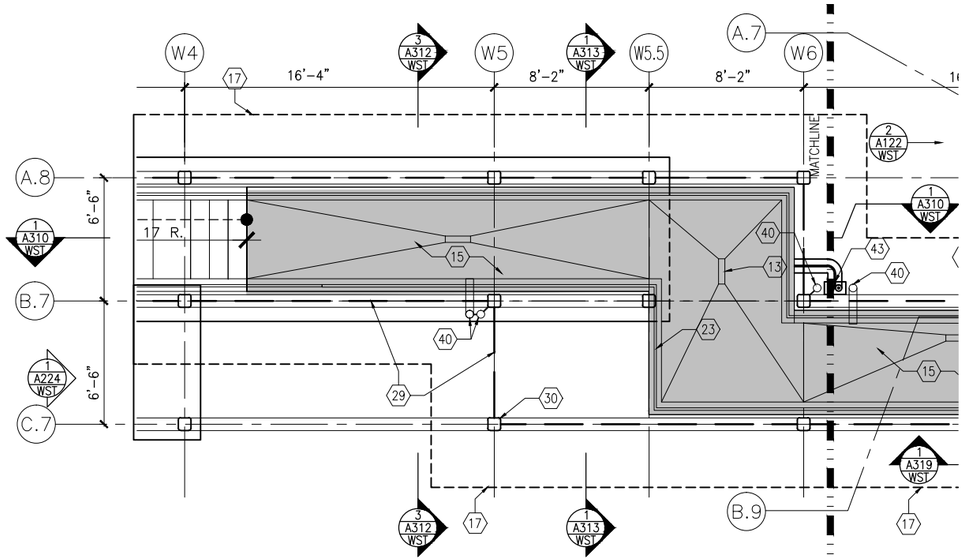
CIVIL - VOLUME 11C
WEST LAKE STATION
VC INTERMEDIATE LEVEL PLAN (WEST)

DISCIPLINE: ARCHITECTURE

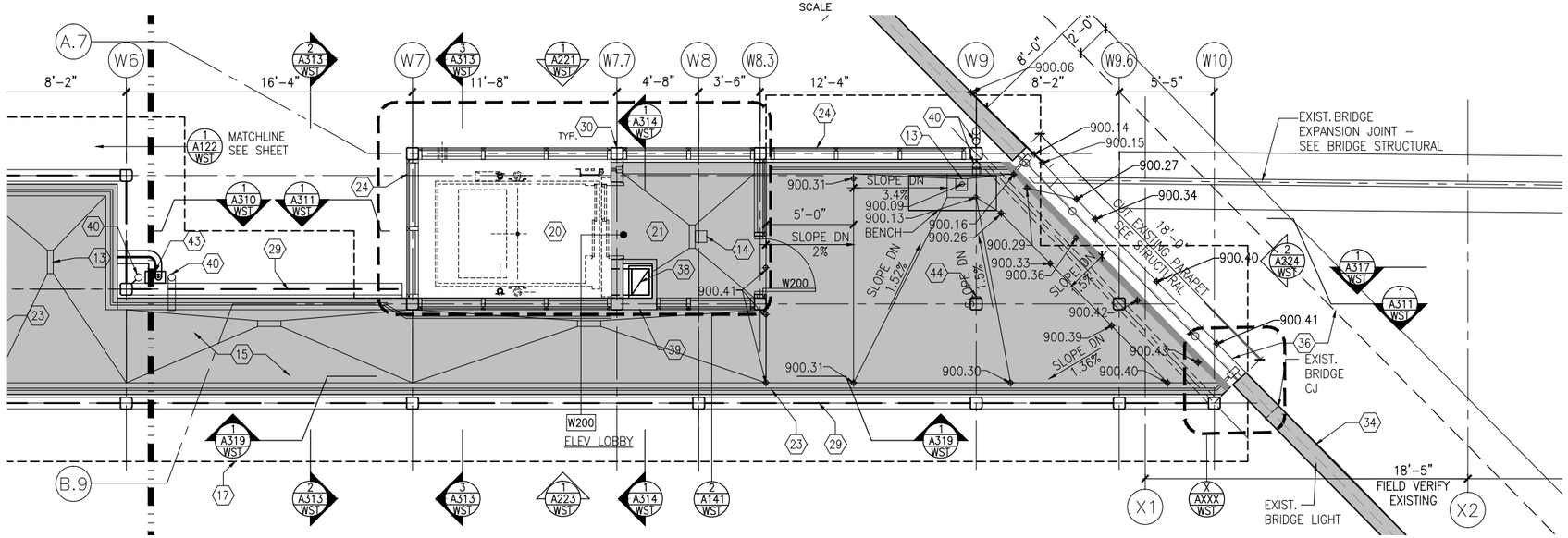
SHEET NAME: E3-WST-ARC-PLN-121

SHEET 326 OF 510

Jan, 18 2016 10:02 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-121.dwg By: V-ZasueOB



1 VC BRIDGE LEVEL PLAN (WEST)
SCALE:1/8"=1'-0"



2 VC BRIDGE LEVEL PLAN (WEST)
SCALE:1/8"=1'-0"

LEGEND

PRECAST CONCRETE WALKWAY

SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. CONCRETE HOUSEKEEPING PAD
2. RAINWATER LEADER – SEE PLUMB
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. CONDENSING UNIT – SEE MECH
8. TRANSFORMER – SEE ELEC
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. CMU WALL
13. AREA DRAIN
14. SNOW MELT SYSTEM
15. PRCST CONC WALKWAY
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. PRCST CONC STAIR – SEE STRUCT
19. PRCST CONC WALL PANEL–SEE STRUCT
20. ELEVATOR
21. ELEVATOR LOBBY
22. ELEVATOR MACHINE ROOM
23. GUARD RAIL
24. ALUM & GLASS FRAMING SYSTEM
25. VARIABLE MESSAGE SIGN
26. METAL SOFFIT AND FASCIA
27. GUARD RAIL
28. SUMP PIT
29. ARCHITECTURAL WOVEN MESH
30. STEEL COLUMN – SEE STRUCTURAL
31. STEEL BEAM – SEE STRUCTURAL
32. CONNECTION WALL HYDRANT
33. EXPANSION JOINT
34. EXISTING CRASH BARRIER
35. CRASH BARRIER/GUARD RAIL
36. EXISTING BARRIER / SIDEWALK
37. ROOF BELOW – SEE ROOF PLAN
38. CHASE – SEE MECH FOR DUCT WORK
39. COMPOSITE ALUM WALL PANEL
40. PAINTED CAST IRON (AP CTG) METAL DOWNSPOUT
41. LIGHT MOUNTED TO STRUCTURE
42. NOT USED
43. REFRIGERANT LINE ENCLOSURE– SEE MECHANICAL FOR REFRIGERANT LINES
44. DOOR OPERATOR PUSH BUTTON

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

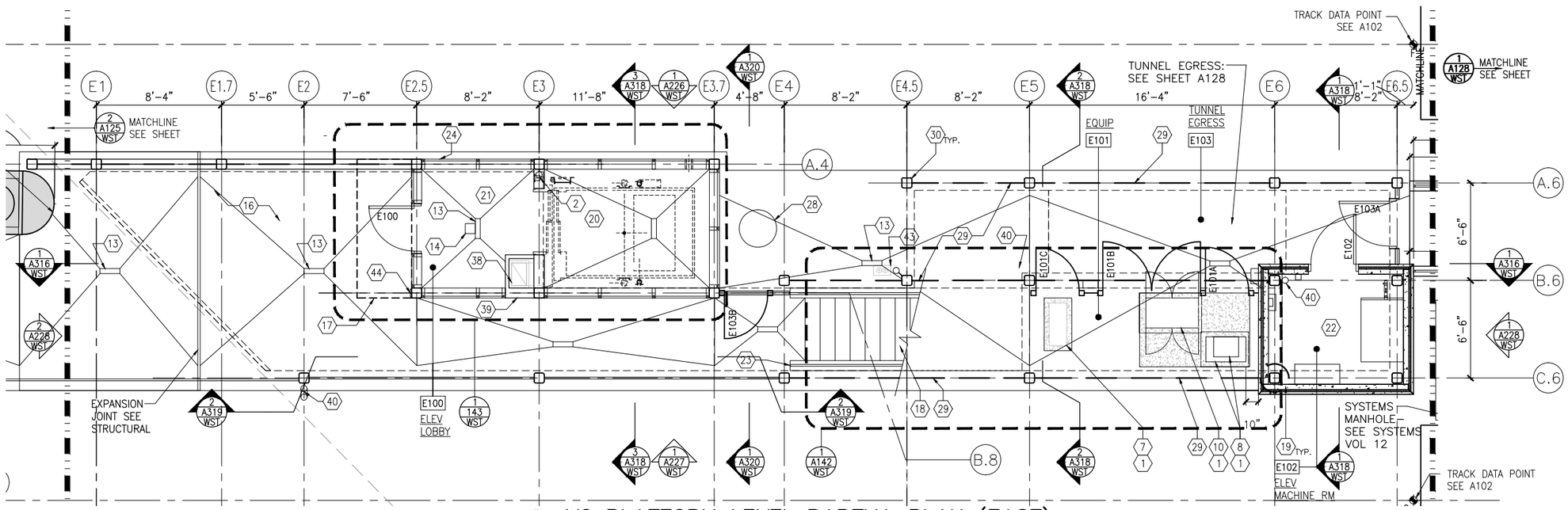
CIVIL - VOLUME 11C
WEST LAKE STATION
VC BRIDGE LEVEL PLAN (WEST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-PLN-122

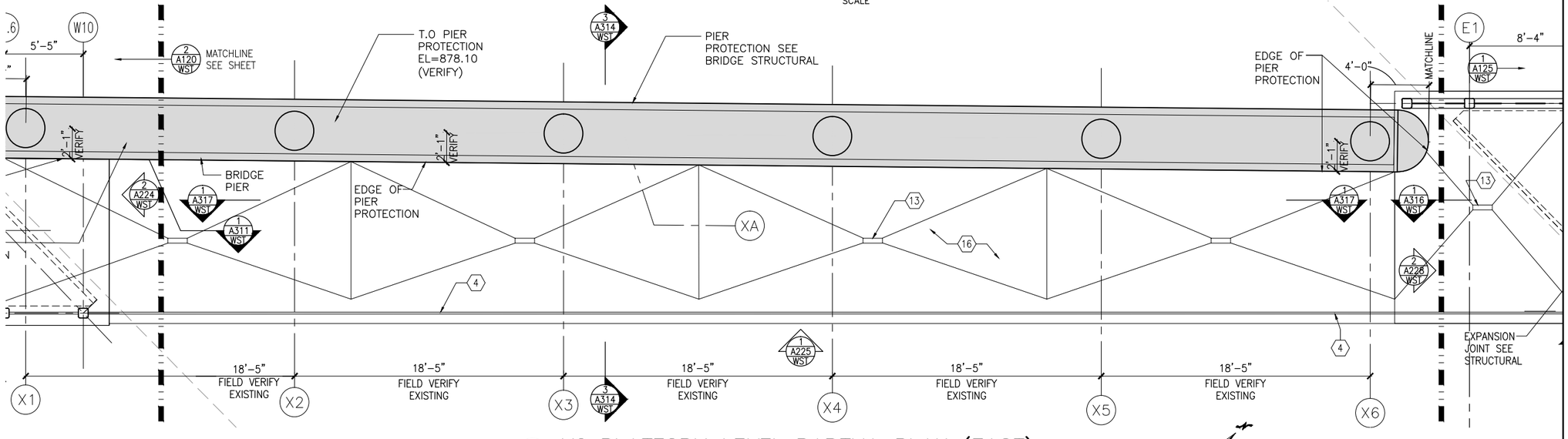
SHEET 327 OF 510

Jan. 18 2016 10:03 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-122.dwg By: V-ZosuleOB



1 VC PLATFORM LEVEL PARTIAL PLAN (EAST)
SCALE:1/8"=1'-0"

SCALE 0 2 4 8



2 VC PLATFORM LEVEL PARTIAL PLAN (EAST)
SCALE:1/8"=1'-0"

SCALE 0 2 4 8

SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. CONCRETE HOUSEKEEPING PAD
2. RAINWATER LEADER – SEE PLUMB
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. CONDENSING UNIT – SEE MECH
8. TRANSFORMER – SEE ELEC
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. CMU WALL
13. AREA DRAIN
14. SNOW MELT SYSTEM
15. PRCST CONC WALKWAY
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. PRCST CONC STAIR – SEE STRUCT
19. PRCST CONC WALL PANEL–SEE STRUCT
20. ELEVATOR
21. ELEVATOR LOBBY
22. ELEVATOR MACHINE ROOM
23. GUARD RAIL
24. ALUM & GLASS FRAMING SYSTEM
25. VARIABLE MESSAGE SIGN
26. METAL SOFFIT AND FASCIA
27. GUARD RAIL
28. SUMP PIT
29. ARCHITECTURAL WOVEN MESH
30. STEEL COLUMN – SEE STRUCTURAL
31. STEEL BEAM – SEE STRUCTURAL
32. CONNECTION WALL HYDRANT
33. EXPANSION JOINT
34. EXISTING CRASH BARRIER
35. CRASH BARRIER/GUARD RAIL
36. EXISTING BARRIER / SIDEWALK
37. ROOF BELOW – SEE ROOF PLAN
38. CHASE – SEE MECH FOR DUCT WORK
39. COMPOSITE ALUM WALL PANEL
40. PAINTED CAST IRON (AP CTG) METAL DOWNSPOUT
41. LIGHT MOUNTED TO STRUCTURE
42. NOT USED
43. REFRIGERANT LINE ENCLOSURE– SEE MECHANICAL FOR REFRIGERANT LINES
44. DOOR OPERATOR PUSH BUTTON

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

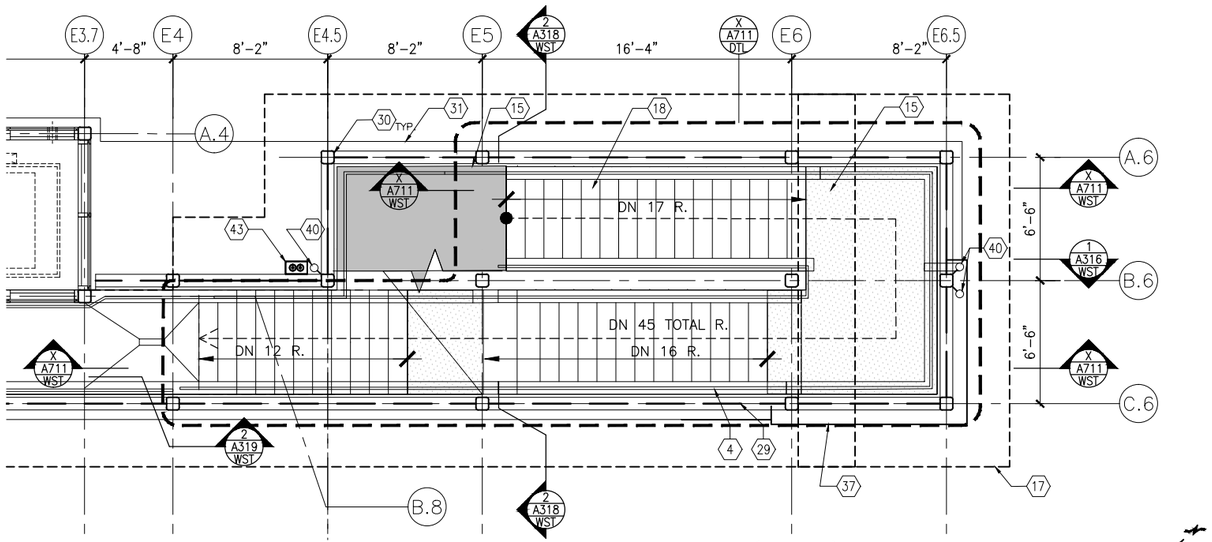
CIVIL - VOLUME 11C
WEST LAKE STATION
VC PLATFORM LEVEL PLAN (EAST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-PLN-125

SHEET 328 OF 510

Jan, 18 2016 10:04 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-125.dwg By: V-Zosuie08



1 VC INTERMEDIATE LEVEL PLAN (EAST)
SCALE:1/8"=1'-0"

0 2 4 8
SCALE

LEGEND

PRECAST CONCRETE WALKWAY

SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. CONCRETE HOUSEKEEPING PAD
2. RAINWATER LEADER – SEE PLUMB
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. CONDENSING UNIT – SEE MECH
8. TRANSFORMER – SEE ELEC
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. CMU WALL
13. AREA DRAIN
14. SNOW MELT SYSTEM
15. PRCST CONC WALKWAY
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. PRCST CONC STAIR – SEE STRUCT
19. PRCST CONC WALL PANEL–SEE STRUCT
20. ELEVATOR
21. ELEVATOR LOBBY
22. ELEVATOR MACHINE ROOM
23. GUARD RAIL
24. ALUM & GLASS FRAMING SYSTEM
25. VARIABLE MESSAGE SIGN
26. METAL SOFFIT AND FASCIA
27. GUARD RAIL
28. SUMP PIT
29. ARCHITECTURAL WOVEN MESH
30. STEEL COLUMN – SEE STRUCTURAL
31. STEEL BEAM – SEE STRUCTURAL
32. CONNECTION WALL HYDRANT
33. EXPANSION JOINT
34. EXISTING CRASH BARRIER
35. CRASH BARRIER/GUARD RAIL
36. EXISTING BARRIER / SIDEWALK
37. ROOF BELOW – SEE ROOF PLAN
38. CHASE – SEE MECH FOR DUCT WORK
39. COMPOSITE ALUM WALL PANEL
40. PAINTED CAST IRON (AP CTG) METAL DOWNSPOUT
41. LIGHT MOUNTED TO STRUCTURE
42. NOT USED
43. REFRIGERANT LINE ENCLOSURE– SEE MECHANICAL FOR REFRIGERANT LINES
44. DOOR OPERATOR PUSH BUTTON

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

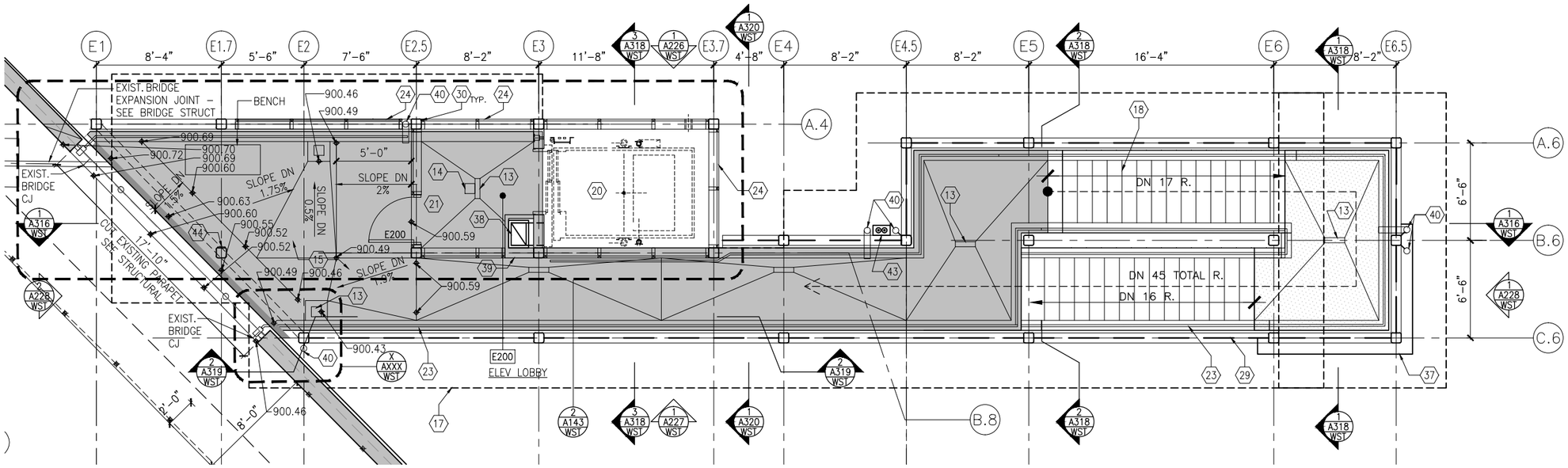
CIVIL - VOLUME 11C
WEST LAKE STATION
VC INTERMEDIATE LEVEL PLAN (EAST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-PLN-126

SHEET 329 OF 510

Jan, 18 2016 10:05 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-126.dwg By: V-ZosuleOB



1 VC BRIDGE LEVEL PLAN (EAST)
SCALE:1/8"=1'-0"

0 2 4 8
SCALE

SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. CONCRETE HOUSEKEEPING PAD
2. RAINWATER LEADER – SEE PLUMB
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. CONDENSING UNIT – SEE MECH
8. TRANSFORMER – SEE ELEC
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. CMU WALL
13. AREA DRAIN
14. SNOW MELT SYSTEM
15. PRCST CONC WALKWAY
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. PRCST CONC STAIR – SEE STRUCT
19. PRCST CONC WALL PANEL–SEE STRUCT
20. ELEVATOR
21. ELEVATOR LOBBY
22. ELEVATOR MACHINE ROOM
23. GUARD RAIL
24. ALUM & GLASS FRAMING SYSTEM
25. VARIABLE MESSAGE SIGN
26. METAL SOFFIT AND FASCIA
27. GUARD RAIL
28. SUMP PIT
29. ARCHITECTURAL WOVEN MESH
30. STEEL COLUMN – SEE STRUCTURAL
31. STEEL BEAM – SEE STRUCTURAL
32. CONNECTION WALL HYDRANT
33. EXPANSION JOINT
34. EXISTING CRASH BARRIER
35. CRASH BARRIER/GUARD RAIL
36. EXISTING BARRIER / SIDEWALK
37. ROOF BELOW – SEE ROOF PLAN
38. CHASE – SEE MECH FOR DUCT WORK
39. COMPOSITE ALUM WALL PANEL
40. PAINTED CAST IRON (AP CTG) METAL DOWNSPOUT
41. LIGHT MOUNTED TO STRUCTURE
42. NOT USED
43. REFRIGERANT LINE ENCLOSURE– SEE MECHANICAL FOR REFRIGERANT LINES
44. DOOR OPERATOR PUSH BUTTON

LEGEND

PRECAST CONCRETE WALKWAY

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

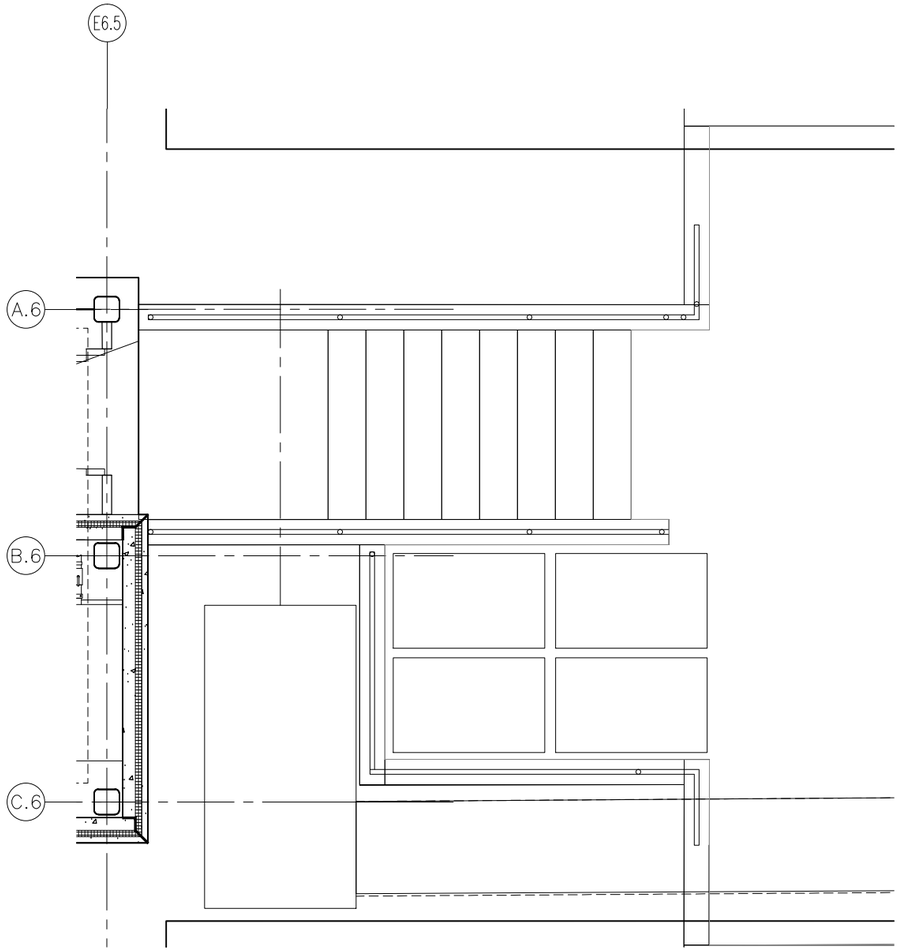
CIVIL - VOLUME 11C
WEST LAKE STATION
VC BRIDGE LEVEL PLAN (EAST)

DISCIPLINE: ARCHITECTURE

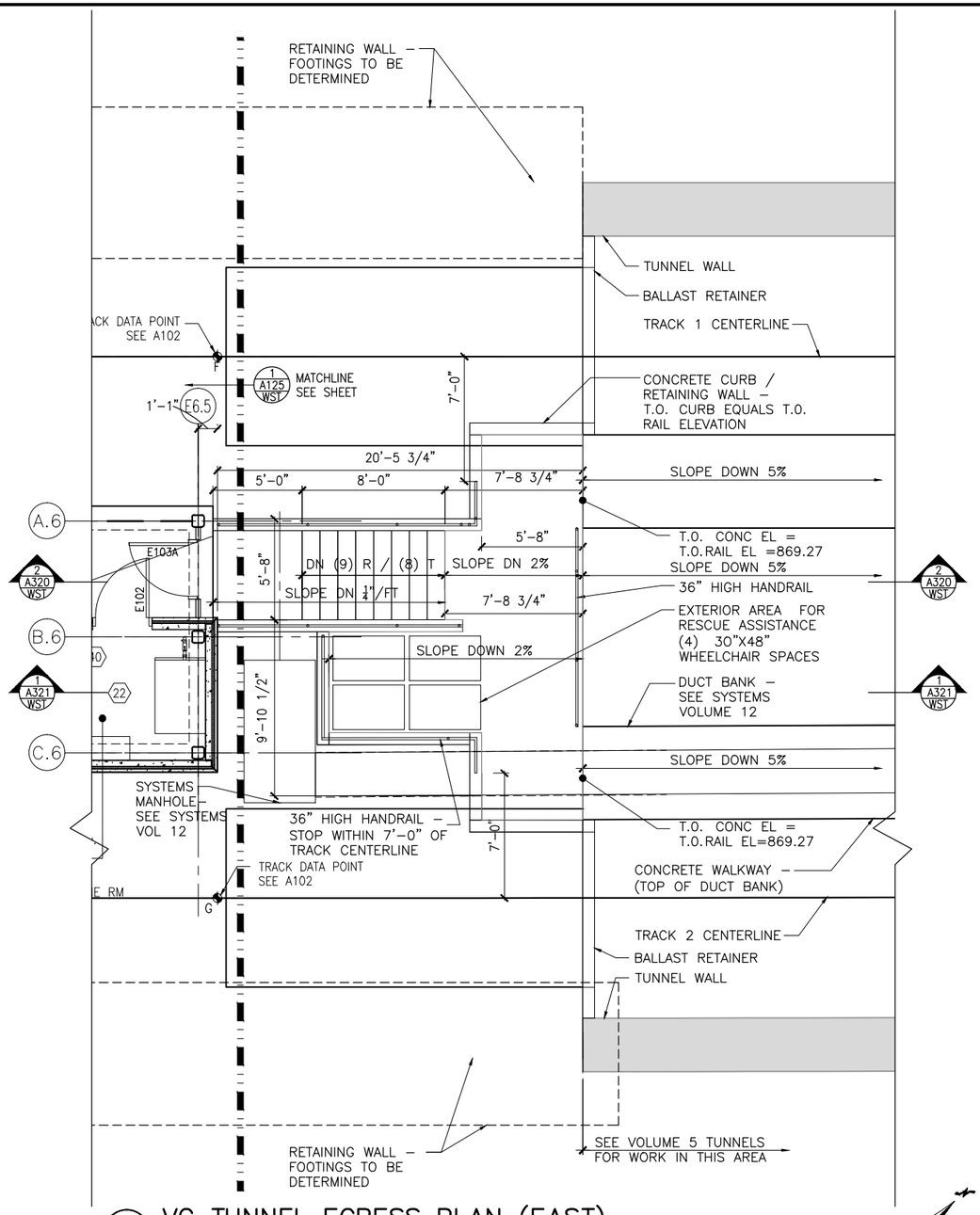
SHEET NAME: E3-WST-ARC-PLN-127

SHEET 330 OF 510

Jan, 18 2016 10:06 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-127.dwg By: V-ZosuleOB



2 VC TUNNEL EGRESS ENLARGED PLAN
SCALE:1/4"=1'-0"



1 VC TUNNEL EGRESS PLAN (EAST)
SCALE:1/8"=1'-0"

SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. CONCRETE HOUSEKEEPING PAD
2. RAINWATER LEADER – SEE PLUMB
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. CONDENSING UNIT – SEE MECH
8. TRANSFORMER – SEE ELEC
9. EMERGENCY CALL BOX
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11. ELECTRICAL CABINET
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16. CONCRETE PLATFORM
17. CANOPY ABOVE
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19. PRCST CONC WALL PANEL–SEE STRUCT
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22. ELEVATOR MACHINE ROOM
23. GUARD RAIL
24. ALUM & GLASS FRAMING SYSTEM
25. VARIABLE MESSAGE SIGN
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27. GUARD RAIL
28. SUMP PIT
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31. STEEL BEAM – SEE STRUCTURAL
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39. COMPOSITE ALUM WALL PANEL
40. PAINTED CAST IRON (AP CTG) METAL DOWNSPOUT
41. LIGHT MOUNTED TO STRUCTURE
42. NOT USED
43. REFRIGERANT LINE ENCLOSURE– SEE MECHANICAL FOR REFRIGERANT LINES
44. DOOR OPERATOR PUSH BUTTON

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC TUNNEL EGRESS PLAN (EAST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-PLN-128

SHEET 331 OF 510

Jan, 18 2016 10:07 am v:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-128.dwg By: V-ZosuleOB

PAVEMENT NOTES

SLOPE TRANSITIONS ARE SHOWN FOR REFERENCE. BLEND/EASE TRANSITIONS TO DRAIN AND SO THAT NO ABRUPT CHANGE IN SLOPE IS VISIBLE ON PLATFORM SURFACE

LEGEND

- – – – – – – SLOPES
- ———— CUT JOINTS

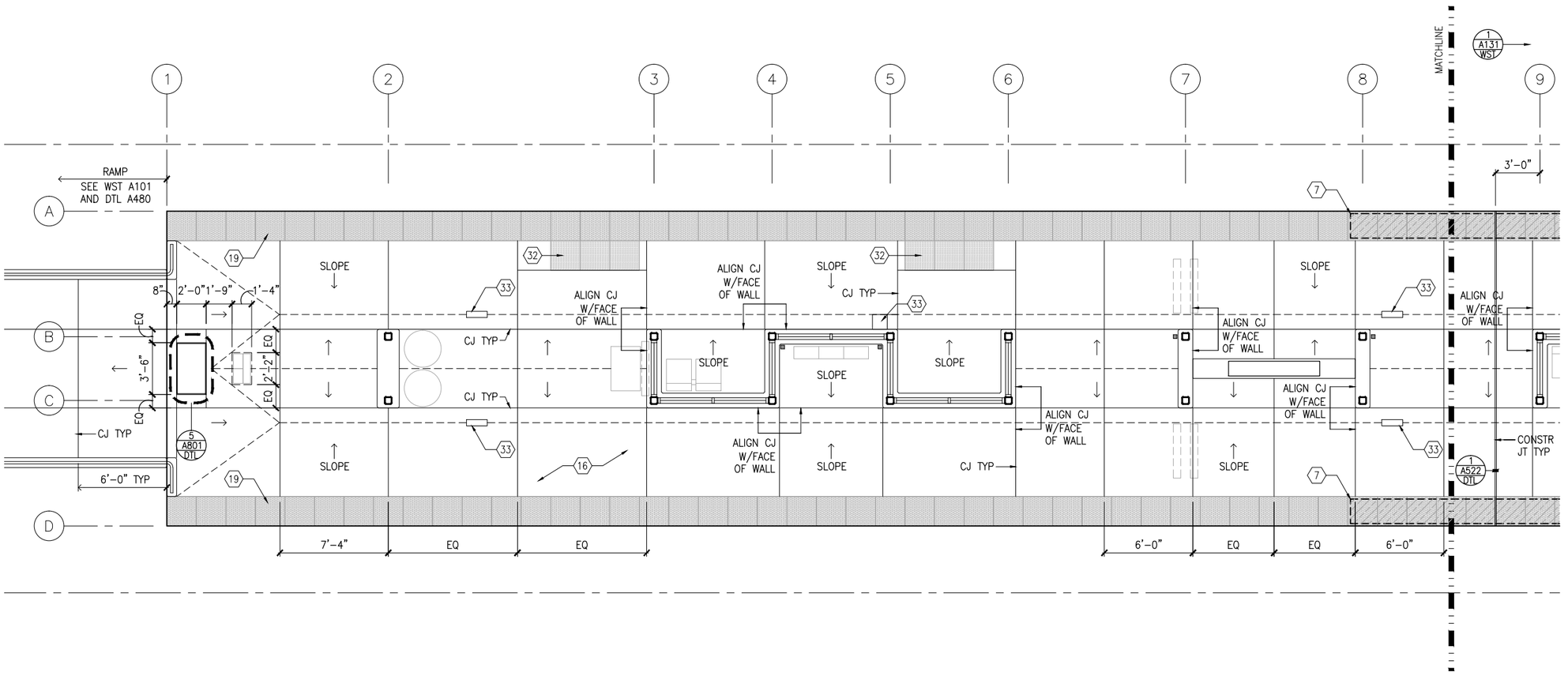
GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

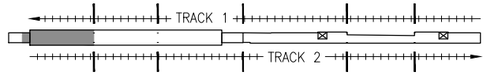
NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. ADA BETWEEN–CAR BARRIER
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE – SEE ELECTRICAL
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL



1 WEST PARTIAL PAVEMENT PLAN
SCALE: 1/8"=1'–0"

0 2 4 8
SCALE



KEYPLAN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
WEST PARTIAL PAVEMENT PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-PLN-130

SHEET 332 OF 510

Jan, 18 2016 10:08 am v:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-130.dwg By: V-ZosuleOB

PAVEMENT NOTES

SLOPE TRANSITIONS ARE SHOWN FOR REFERENCE. BLEND/EASE TRANSITIONS TO DRAIN AND SO THAT NO ABRUPT CHANGE IN SLOPE IS VISIBLE ON PLATFORM SURFACE

LEGEND

- – – – – – – SLOPES
- ———— CUT JOINTS

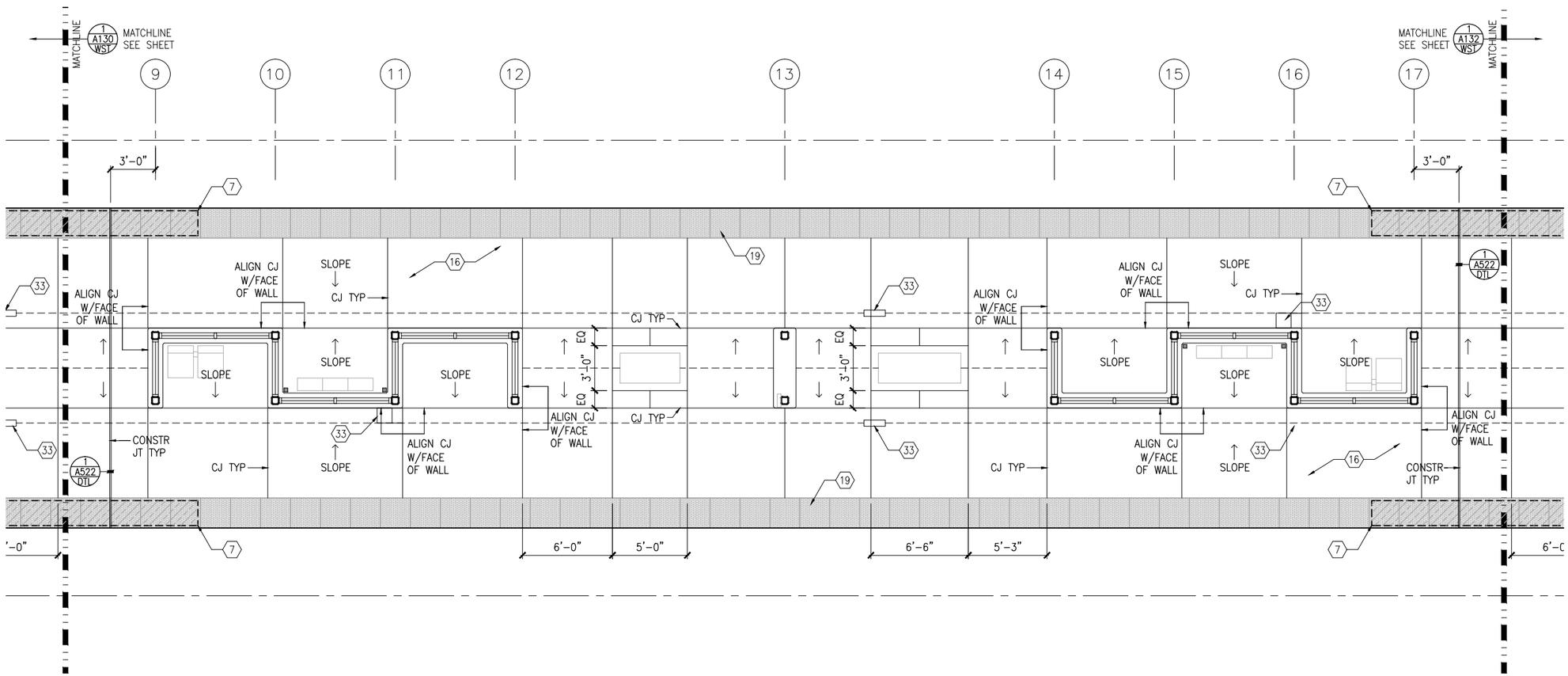
GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

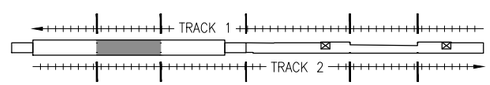
NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
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8. RAIL SMARTCARD VALIDATOR
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10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
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13. BENCH
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17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE – SEE ELECTRICAL
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29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL



1 MIDDLE PARTIAL PAVEMENT PLAN
SCALE: 1/8"=1'–0"

0 2 4 8
SCALE



KEYPLAN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
MIDDLE PARTIAL PAVEMENT PLAN

SHEET 333 OF 510

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-PLN-131

Jan, 18 2016 10:08 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-131.dwg By: V-ZasueOB

PAVEMENT NOTES

SLOPE TRANSITIONS ARE SHOWN FOR REFERENCE. BLEND/EASE TRANSITIONS TO DRAIN AND SO THAT NO ABRUPT CHANGE IN SLOPE IS VISIBLE ON PLATFORM SURFACE

LEGEND

- – – – – – – SLOPES
- ——————— CUT JOINTS

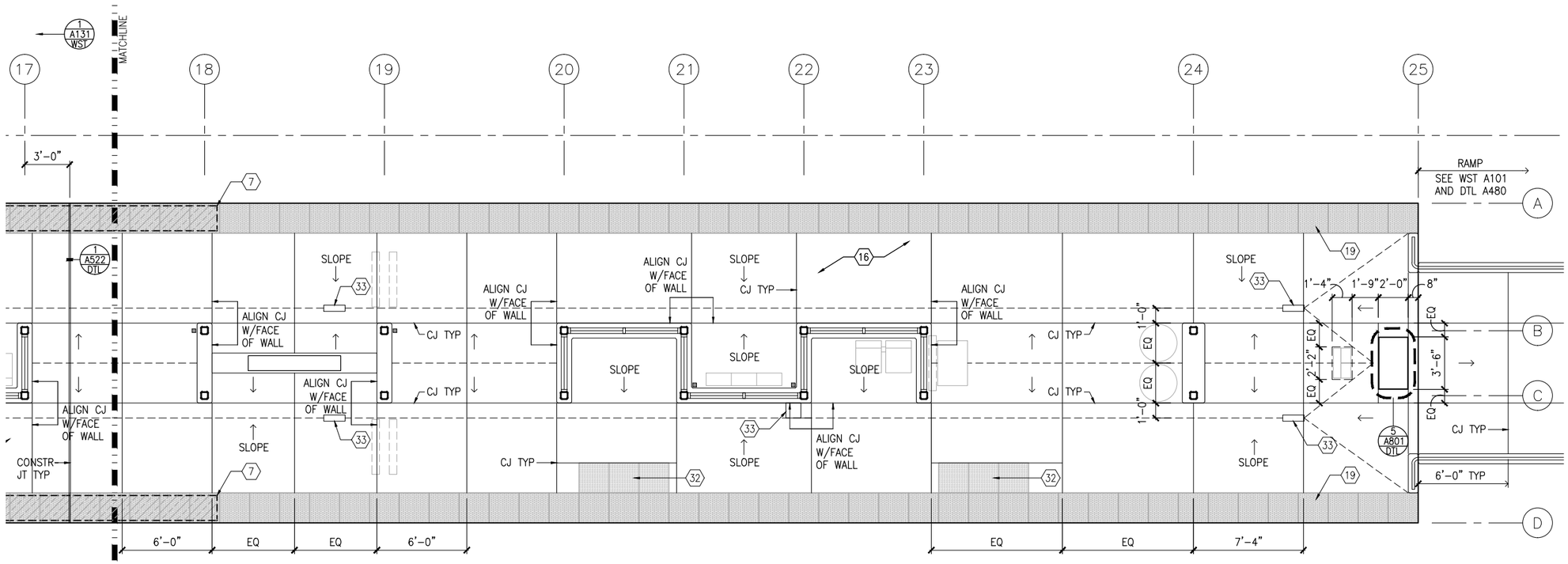
GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

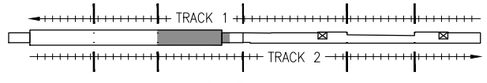
NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
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10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
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26. TRANSLUCENT PLASTIC PANEL
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29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN – SEE PLUMBING
34. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
35. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL



1 EAST PARTIAL PAVEMENT PLAN
SCALE: 1/8"=1'–0"

0 2 4 8
SCALE



KEYPLAN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

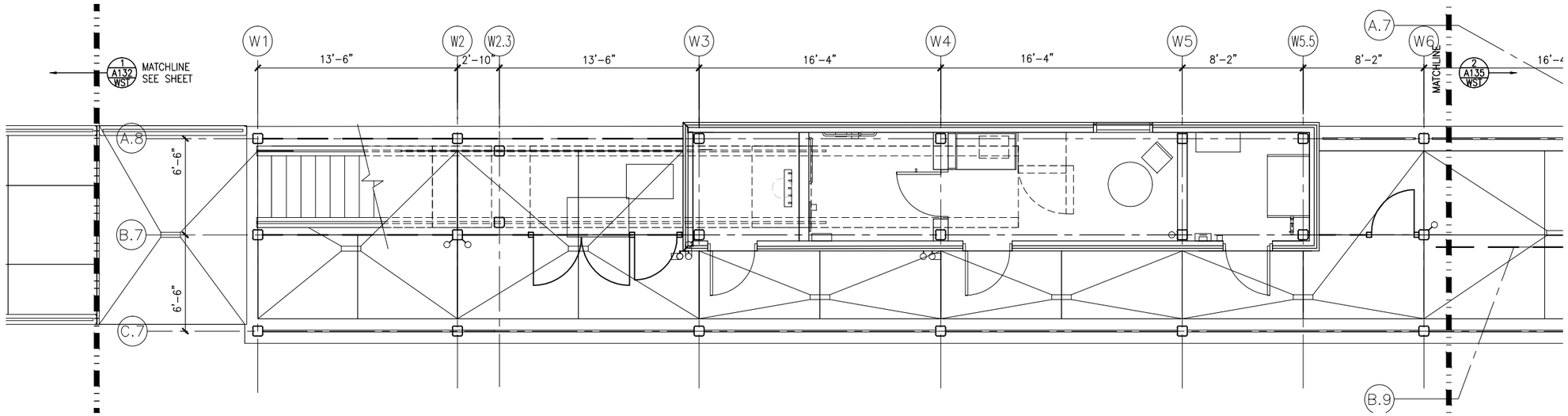
CIVIL - VOLUME 11C
WEST LAKE STATION
EAST PARTIAL PAVEMENT PLAN

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-PLN-132

SHEET 334 OF 510

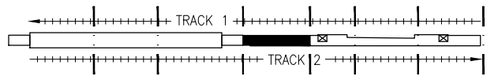
Jan. 18 2016 10:09 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-132.dwg By: V-Zasuie08



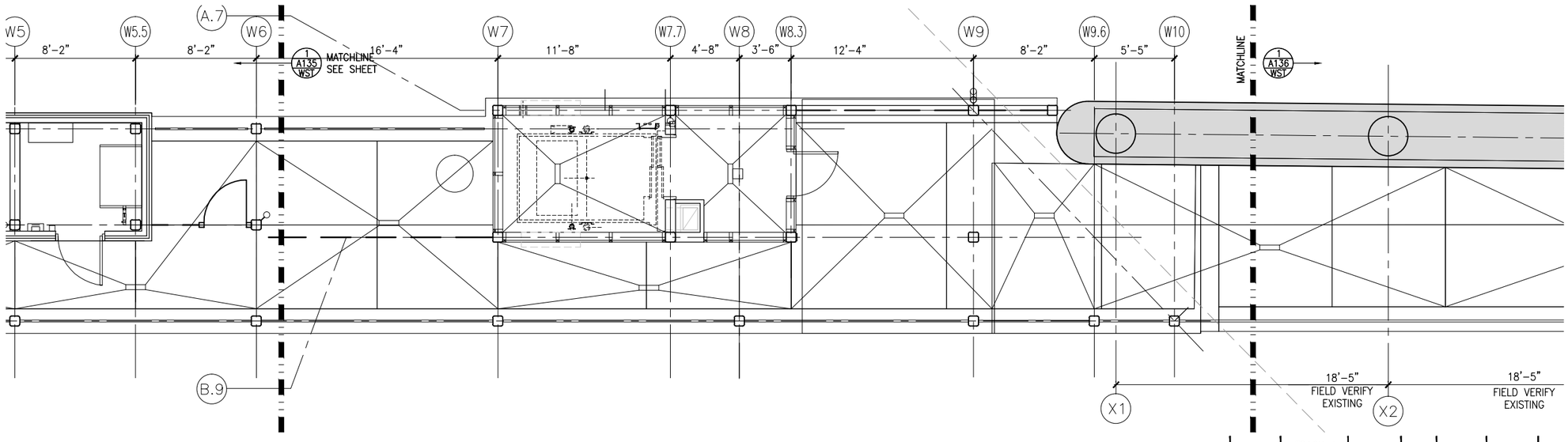
1 VC PLATFORM LEVEL PAVEMENT PLAN– WEST

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



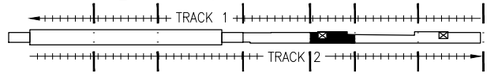
KEYPLAN



2 VC PLATFORM LEVEL PAVEMENT PLAN– WEST

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



KEYPLAN

SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. CONCRETE HOUSEKEEPING PAD
2. RAINWATER LEADER – SEE PLUMB
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. CONDENSING UNIT – SEE MECH
8. TRANSFORMER – SEE ELEC
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. CMU WALL
13. AREA DRAIN
14. SNOW MELT SYSTEM
15. PRCST CONC WALKWAY
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. PRCST CONC STAIR – SEE STRUCT
19. PRCST CONC WALL PANEL–SEE STRUCT
20. ELEVATOR
21. ELEVATOR LOBBY
22. ELEVATOR MACHINE ROOM
23. GUARD RAIL
24. ALUM & GLASS FRAMING SYSTEM
25. VARIABLE MESSAGE SIGN
26. METAL SOFFIT AND FASCIA
27. GUARD RAIL
28. SUMP PIT
29. ARCHITECTURAL WOVEN MESH
30. STEEL COLUMN – SEE STRUCTURAL
31. STEEL BEAM – SEE STRUCTURAL
32. CONNECTION WALL HYDRANT
33. EXPANSION JOINT
34. EXISTING CRASH BARRIER
35. CRASH BARRIER/GUARD RAIL
36. EXISTING BARRIER / SIDEWALK
37. ROOF BELOW – SEE ROOF PLAN
38. CHASE – SEE MECH FOR DUCT WORK
39. COMPOSITE ALUM WALL PANEL
40. PAINTED CAST IRON (AP CTG) METAL DOWNSPOUT
41. LIGHT MOUNTED TO STRUCTURE
42. NOT USED
43. REFRIGERANT LINE ENCLOSURE– SEE MECHANICAL FOR REFRIGERANT LINES
44. DOOR OPERATOR PUSH BUTTON

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

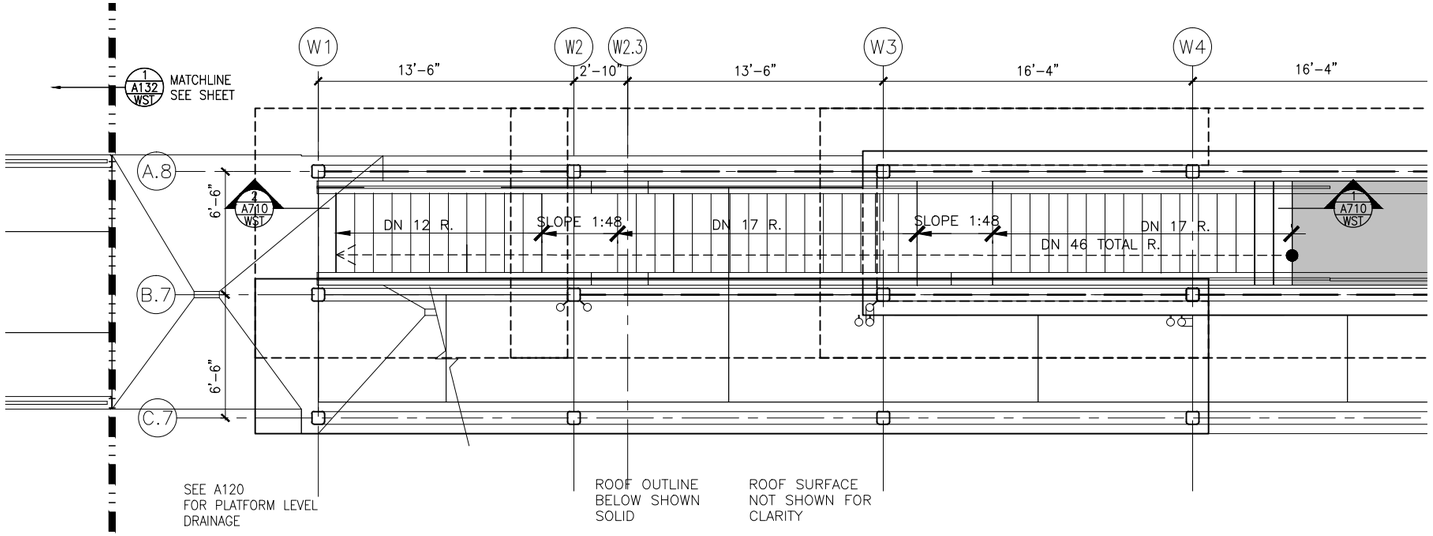
CIVIL - VOLUME 11C
WEST LAKE STATION
VC PAVEMENT PLANS (WEST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-PLN-135

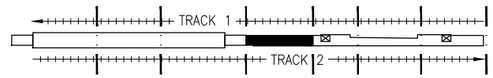
SHEET 335 OF 510

Jan, 18 2016 10:10 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-135.dwg By: V-ZasueOB



1 VC INTERMEDIATE LEVEL PAVEMENT PLAN– WEST
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



KEYPLAN

SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

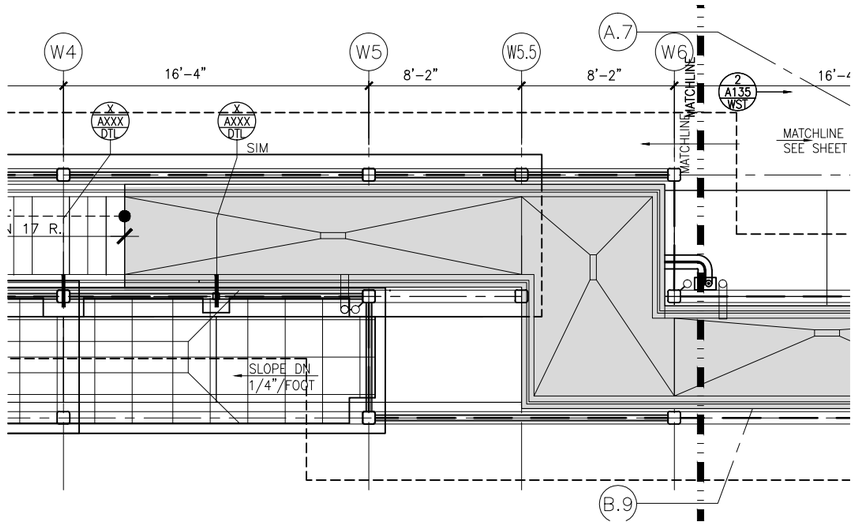
CIVIL - VOLUME 11C
WEST LAKE STATION
VC PAVEMENT PLANS (WEST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-PLN-136

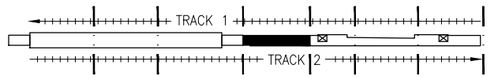
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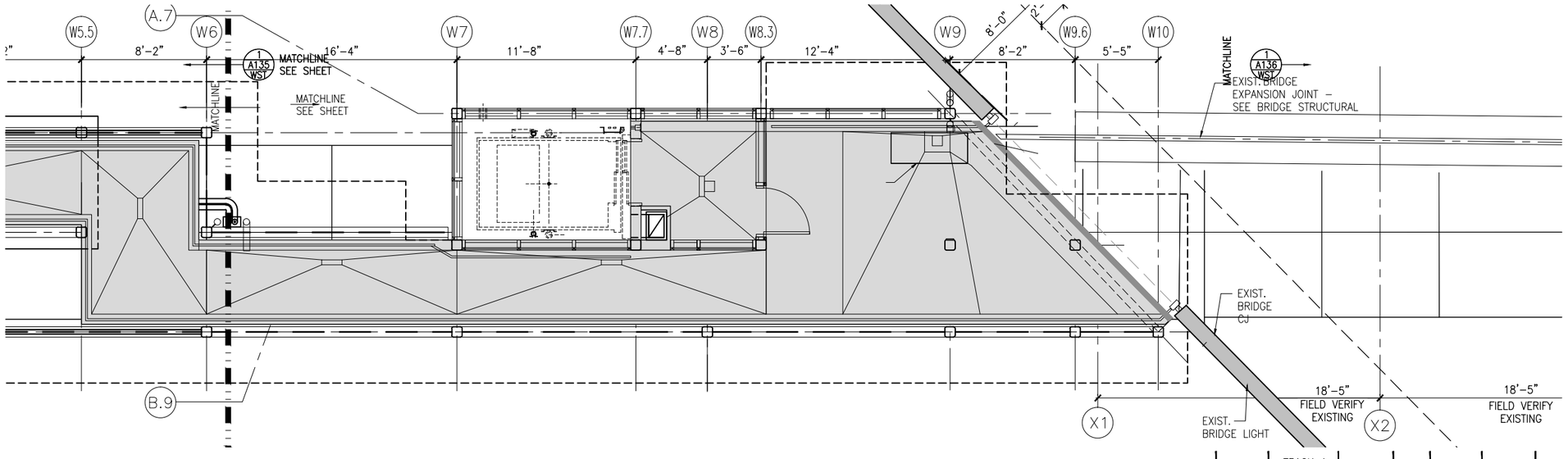


1 VC BRIDGE LEVEL PARTIAL PAVEMENT PLAN– WEST
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

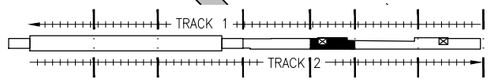


KEYPLAN



2 VC BRIDGE LEVEL PARTIAL PAVEMENT PLAN– WEST
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



KEYPLAN

SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

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44. DOOR OPERATOR PUSH BUTTON

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

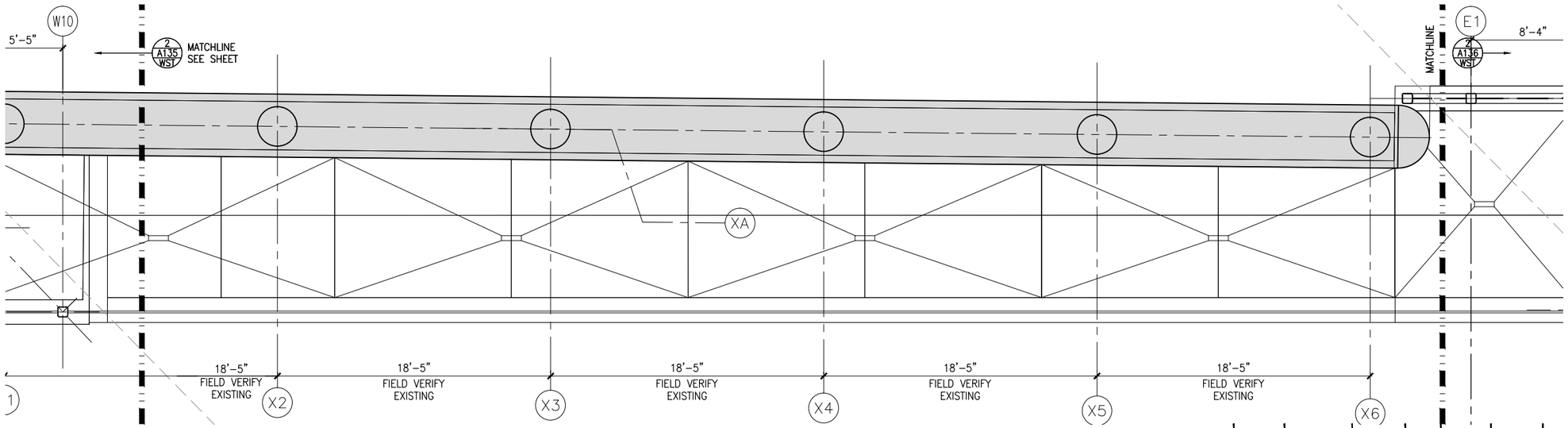
CIVIL - VOLUME 11C
WEST LAKE STATION
VC PAVEMENT PLANS (WEST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-PLN-137

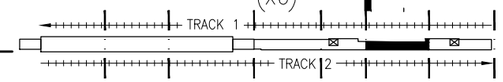
SHEET 337 OF 510

Jan, 18 2016 10:11 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-137.dwg By: V-ZasuleOB

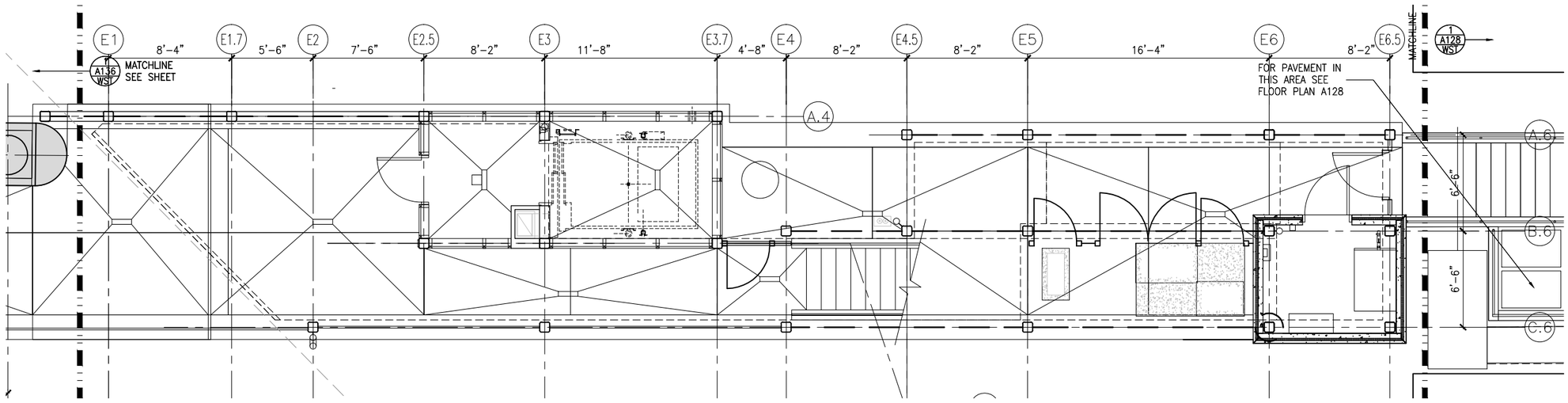


1 VC PLATFORM LEVEL PARTIAL PAVEMENT PLAN–EAST
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

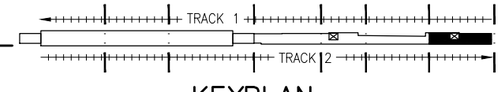


KEYPLAN



2 VC PLATFORM LEVEL PARTIAL PAVEMENT PLAN–EAST
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



KEYPLAN

SHEET NOTES

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42. NOT USED
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44. DOOR OPERATOR PUSH BUTTON

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

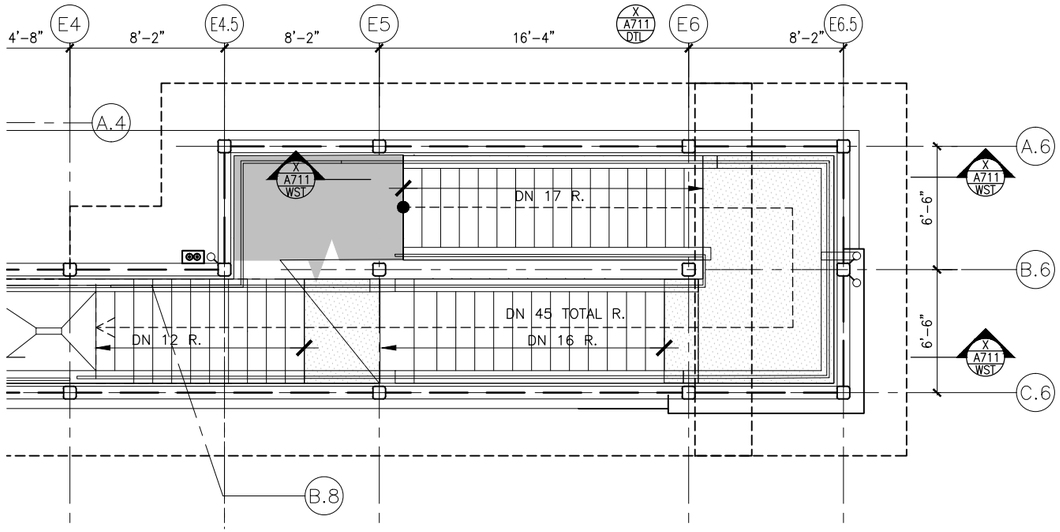
CIVIL - VOLUME 11C
WEST LAKE STATION
VC PAVEMENT PLANS (EAST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-PLN-138

SHEET 338 OF 510

Jan, 18 2016 10:12 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-138.dwg By: V-ZasuleOB

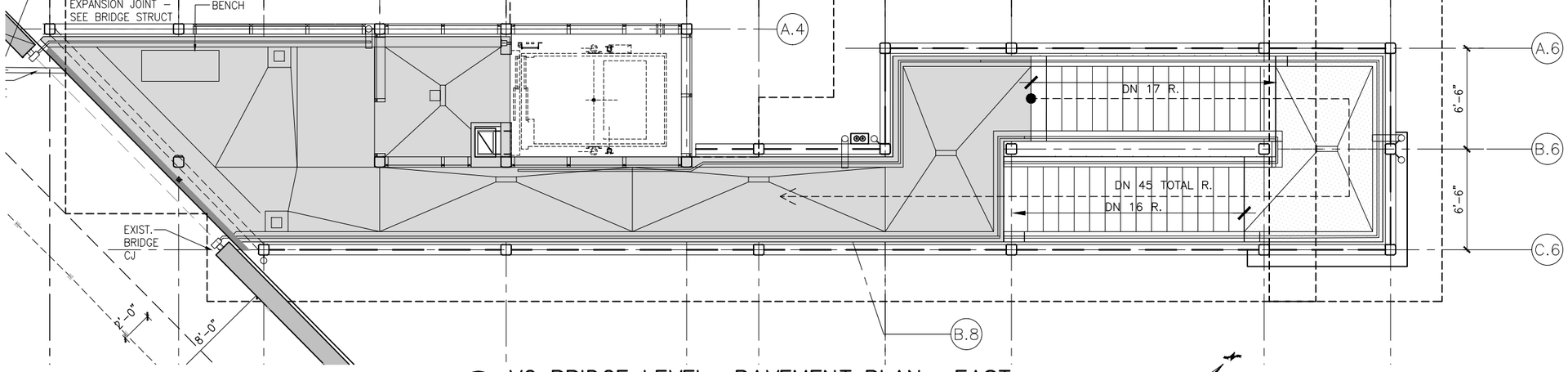


1 VC INTERMEDIATE LEVEL PAVEMENT PLAN– EAST

SCALE:1/8"=1'-0"

0 2 4 8

SCALE



2 VC BRIDGE LEVEL PAVEMENT PLAN– EAST

SCALE:1/8"=1'-0"

0 2 4 8

SCALE

LEGEND

PRECAST CONCRETE WALKWAY

SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
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SOUTHWEST Green Line LRT Extension

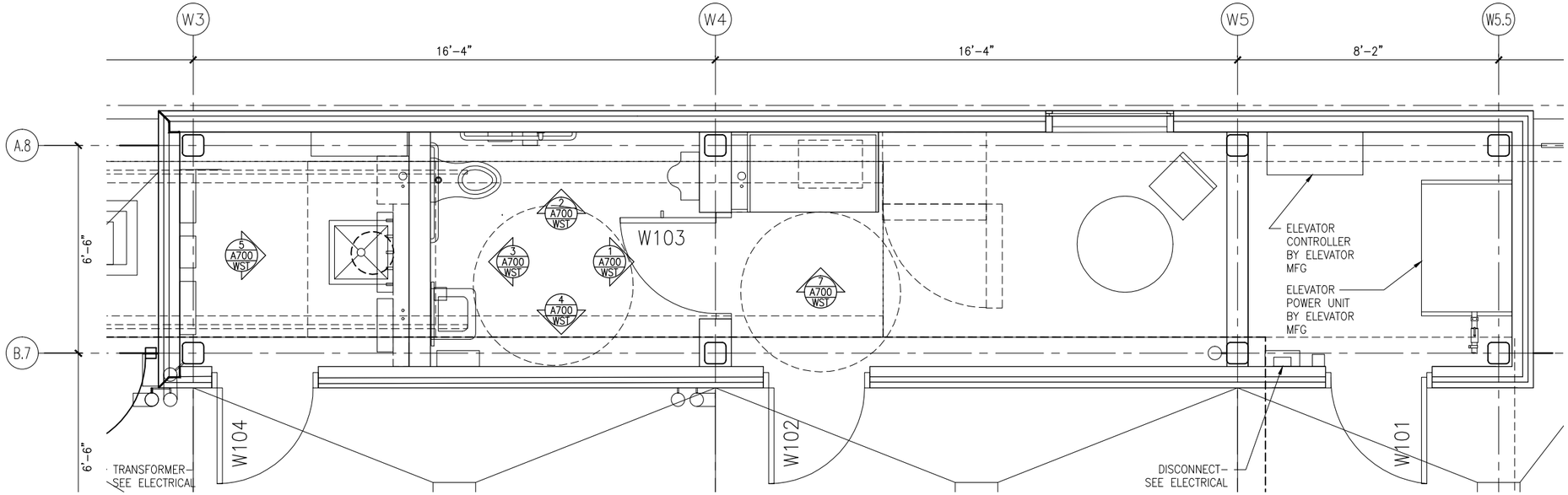
CIVIL - VOLUME 11C
WEST LAKE STATION
VC PAVEMENT PLANS (EAST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-PLN-139

SHEET 339 OF 510

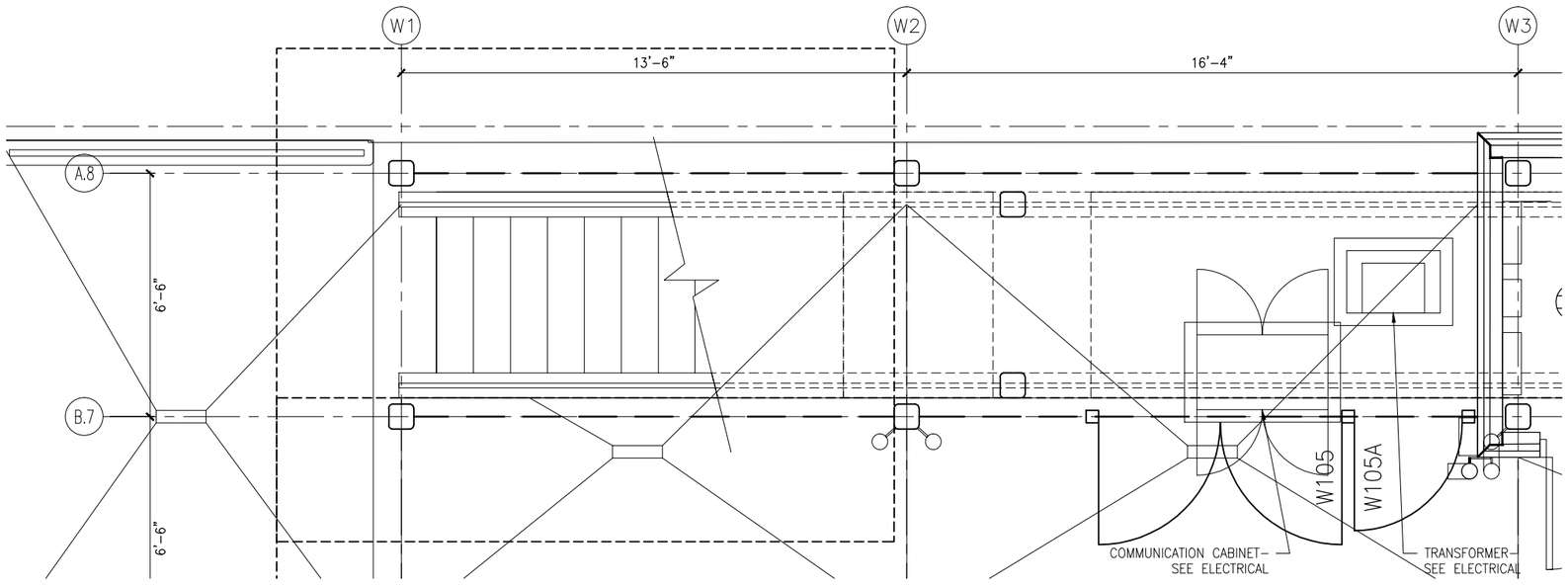
Jan, 18 2016 10:12 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-139.dwg By: V-ZasueOB



2 VC PLATFORM LEVEL ENLARGED PLAN (WEST)

SCALE:1/4"=1'-0"

0 1 2 4
SCALE



1 VC PLATFORM LEVEL ENLARGED PLAN (WEST)

SCALE:1/4"=1'-0"

0 1 2 4
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

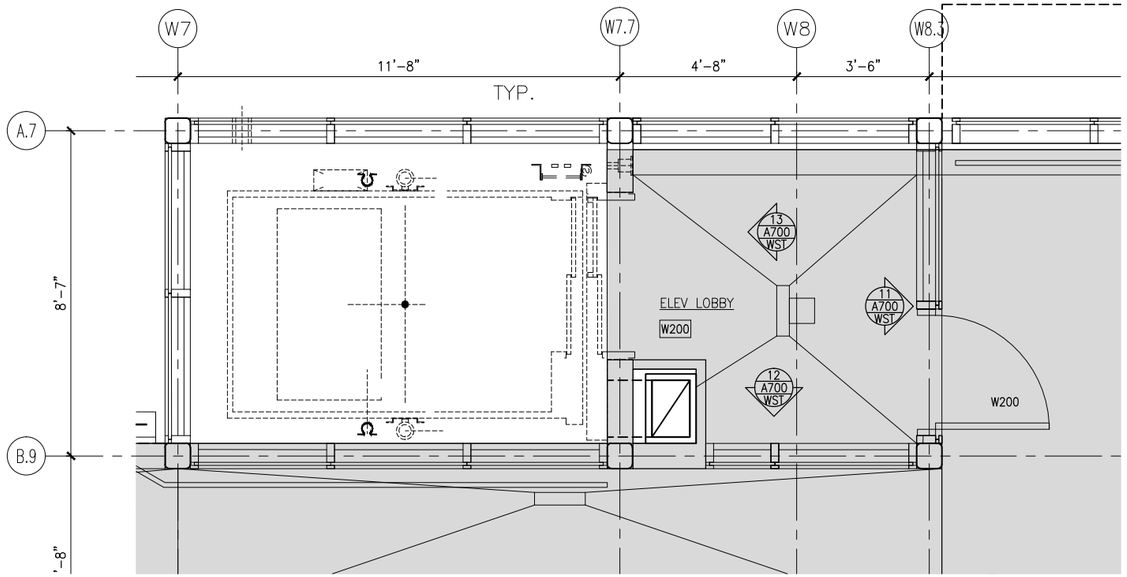
CIVIL - VOLUME 11C
WEST LAKE STATION
VC ENLARGED PLANS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-PLN-140

SHEET 340 OF 510

Jan, 18 2016 10:13 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-140.dwg By: V-Zasue0B

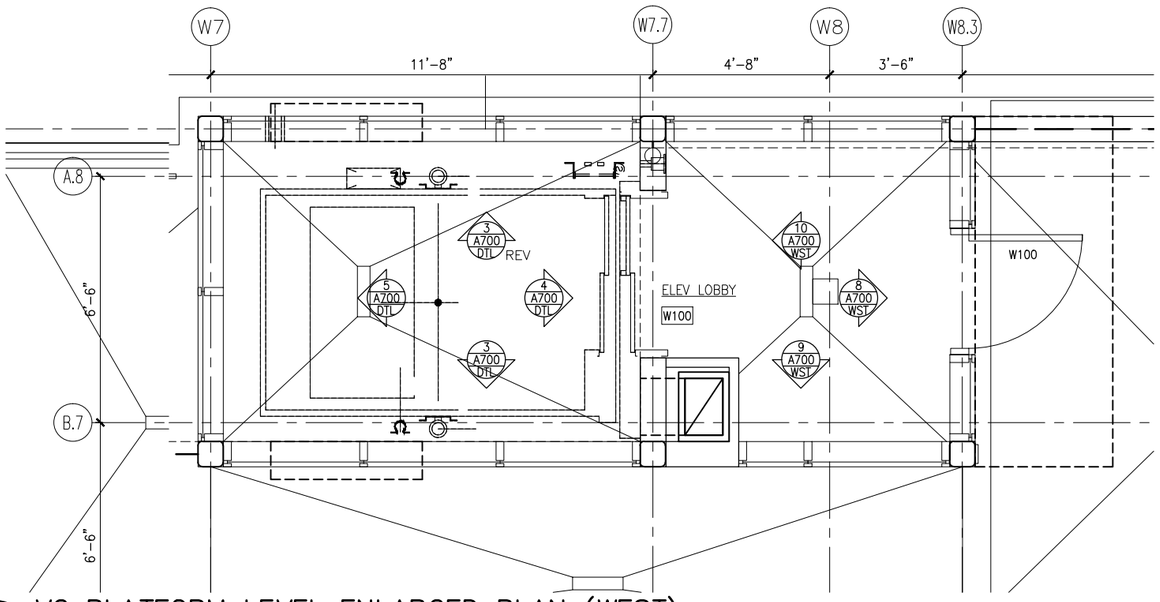


2 VC BRIDGE LEVEL ENLARGED PLAN (WEST)

SCALE:1/4"=1'-0"

0 1 2 4

SCALE



1 VC PLATFORM LEVEL ENLARGED PLAN (WEST)

SCALE:1/4"=1'-0"

0 1 2 4

SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

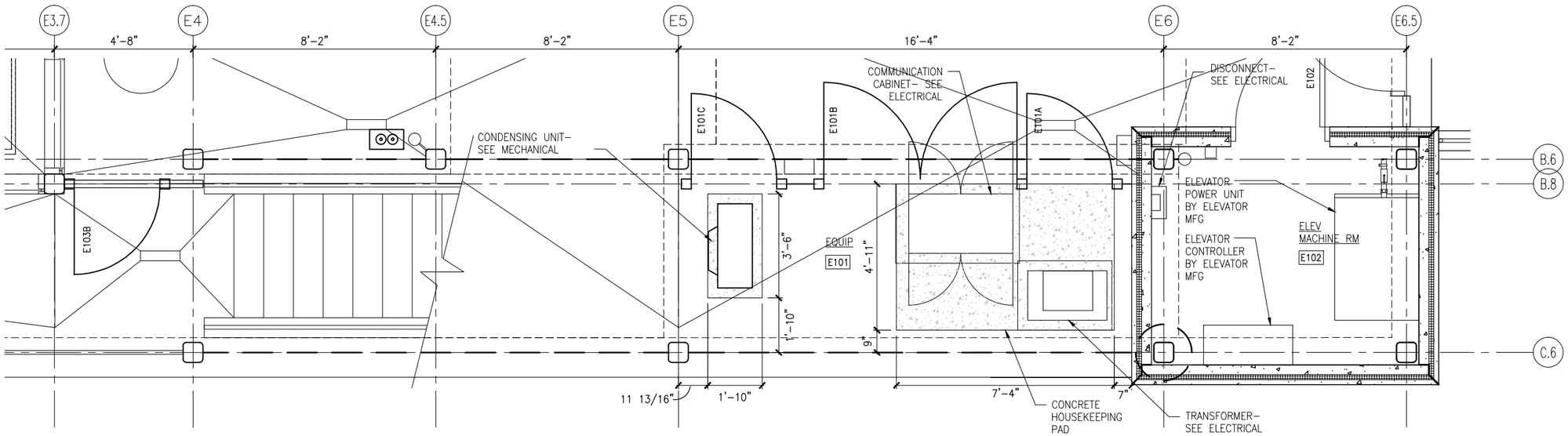
CIVIL - VOLUME 11C
WEST LAKE STATION
VC ENLARGED PLANS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-PLN-141

SHEET 341 OF 510

Jan, 19 2016 10:07 pm v:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-141.dwg By: Ebsenjr



1 VC PLATFORM LEVEL ENLARGED PLAN (EAST)

SCALE:1/4"=1'-0"

0 1 2 4
SCALE

Jan, 18 2016 10:15 am v:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-142.dwg By: V-ZasueOB

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

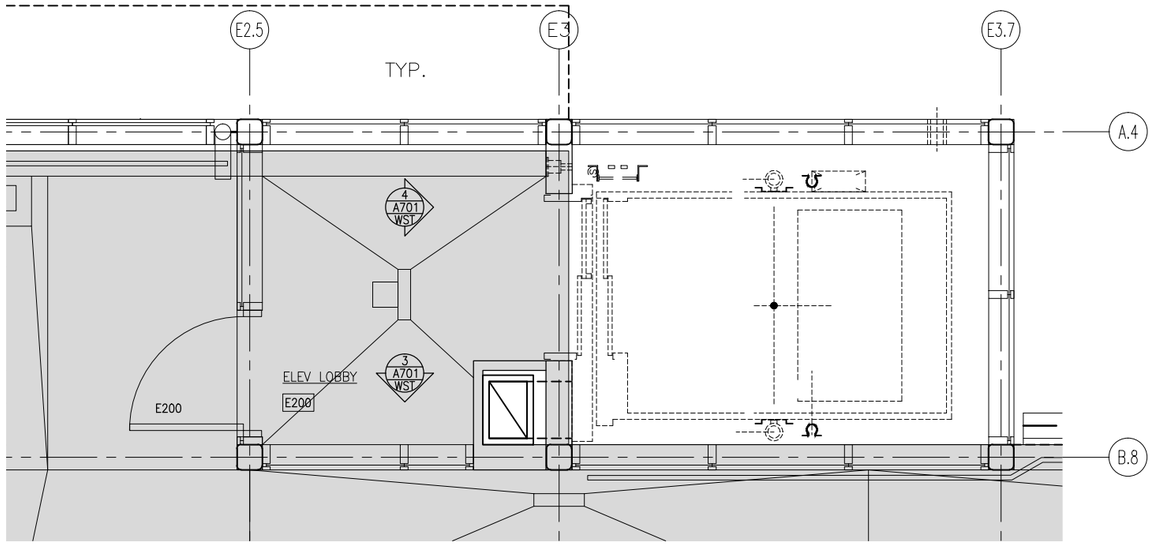
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC ENLARGED PLANS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-PLN-142

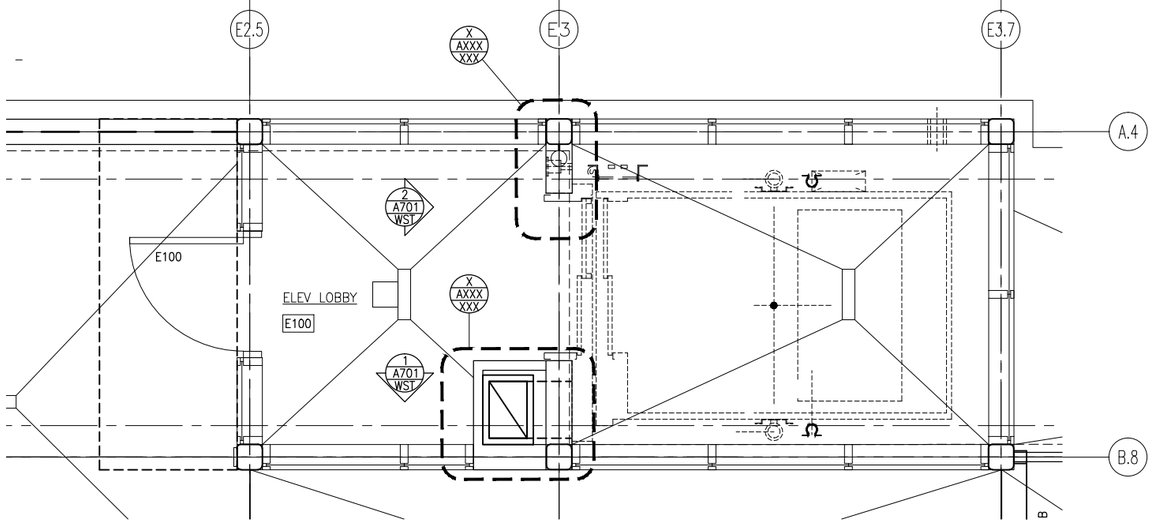
SHEET 342 OF 510



2 VC BRIDGE LEVEL ENLARGED PLAN (EAST)

SCALE:1/4"=1'-0"

0 1 2 4
SCALE



1 VC PLATFORM LEVEL ENLARGED PLAN (EAST)

SCALE:1 1/2"=1'-0"

0 2 4 8
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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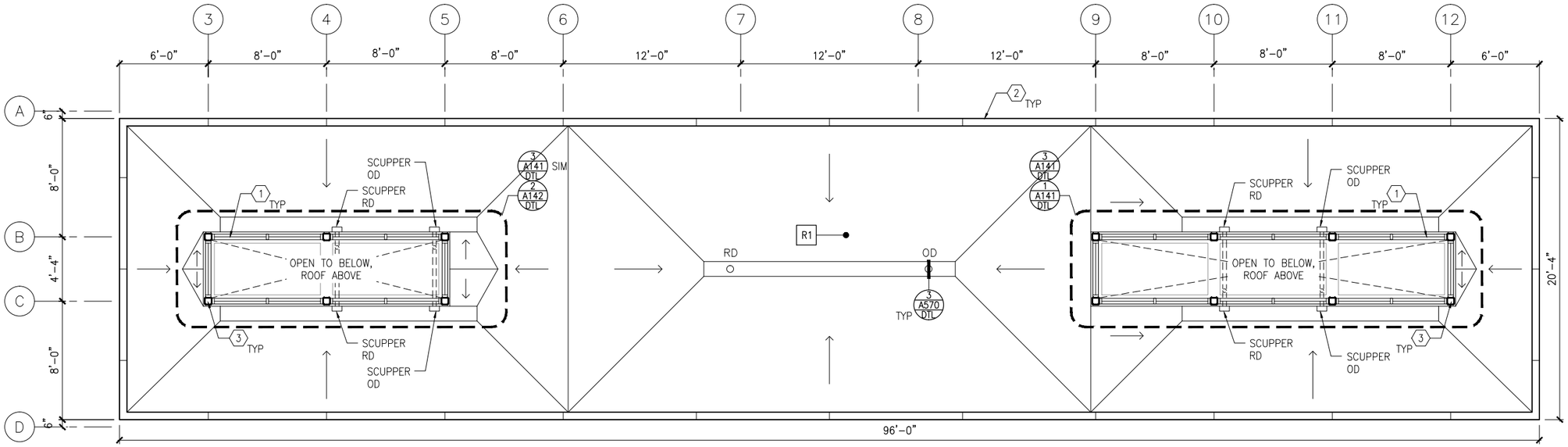
CIVIL - VOLUME 11C
WEST LAKE STATION
VC ENLARGED PLANS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-PLN-143

SHEET 343 OF 510

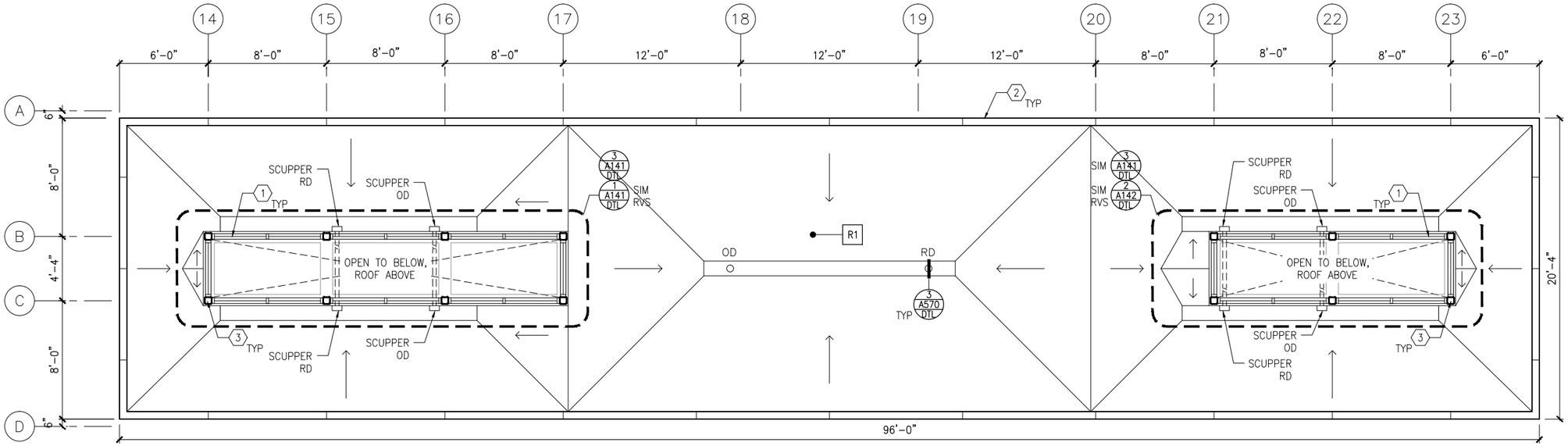
Jan, 18 2016 10:16 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-143.dwg By: V-ZasueOB



1 ROOF PLAN – WEST CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 ROOF PLAN – EAST CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. ROOF SLOPE IS 1/4" PER FT UNO
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ALUMINUM STOREFRONT AND TRANSLUCENT GLAZING SYSTEM
2. ALUMINUM COMPOSITE PANEL COPING
3. STEEL COLUMN – SEE STRUCTURAL
4. STEEL BEAM ABOVE – SEE STRUCTURAL
5. PREFINISHED METAL SCUPPER
6. PREFINISHED METAL GUTTER, SLOPE TO DOWNSPOUTS
7. ROOF BASE FLASHING
8. SUMP
9. CONCRETE SPLASH BLOCK
10. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
11. ROOF EXPANSION JOINT
12. BUILDING EXPANSION JOINT
13. VENT THROUGH ROOF – SEE PLUMB
14. INTEGRAL ROOF GUTTER – SLOPE TO DOWNSPOUTS BELOW
15. MECHANICAL EQUIP – SEE MECH

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- STEEL COLUMN
- OVERHEAD SUPPORT
- RD OD — ROOF DRAIN AND OVERFLOW ROOF DRAIN
- R1 — ROOF ASSEMBLY TYPE 1 BALLASTED EPDM
- R2 — ROOF ASSEMBLY TYPE 2 PRECAST PAVER OVER EPDM
- R3 — ROOF ASSEMBLY TYPE 3 SAME AS TYPE 2 WITH R_ INSULATION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

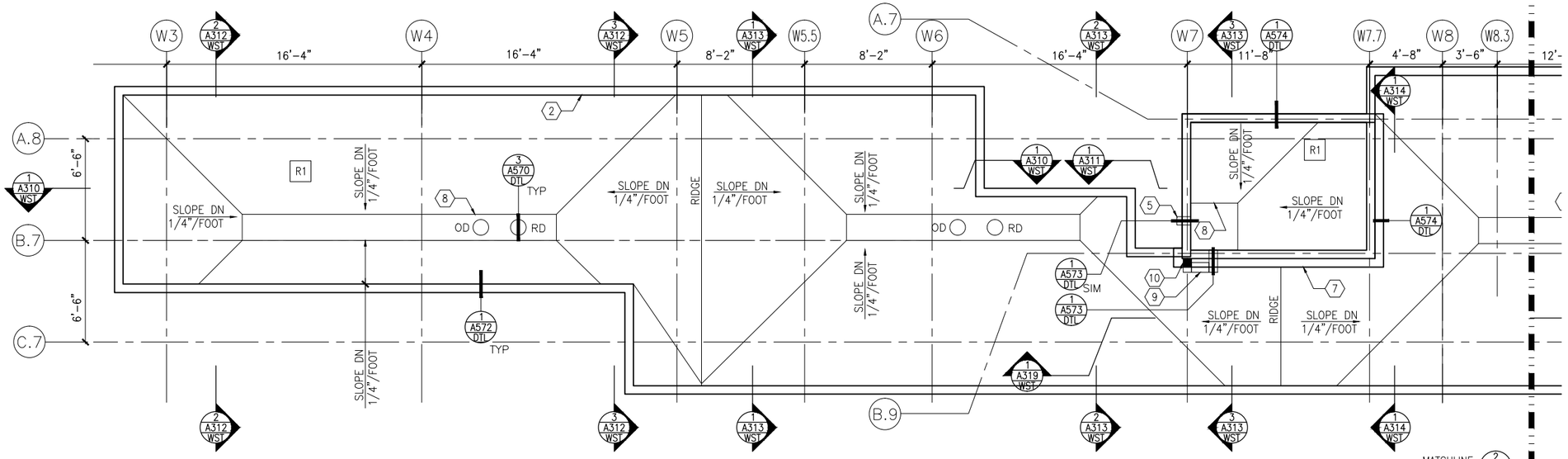
CIVIL - VOLUME 11C
WEST LAKE STATION
ROOF PLANS

DISCIPLINE: ARCHITECTURE

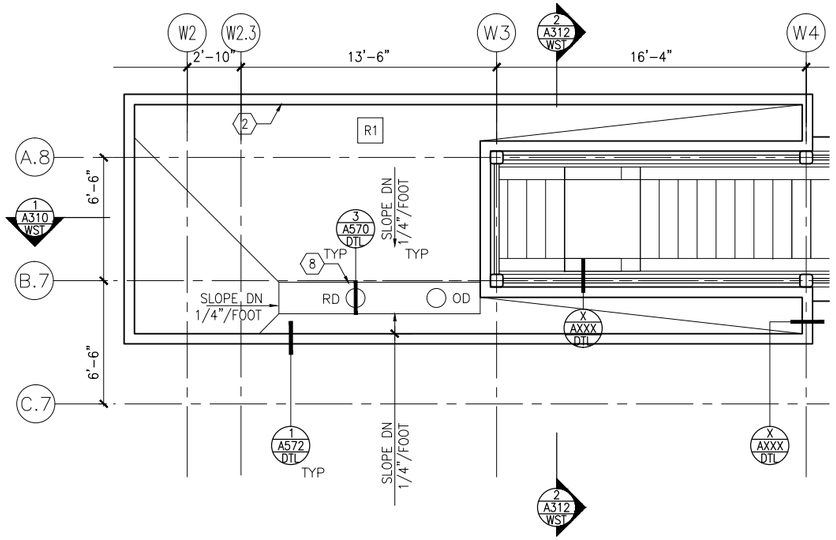
SHEET NAME: E3-WST-ARC-PLN-150

SHEET 344 OF 510

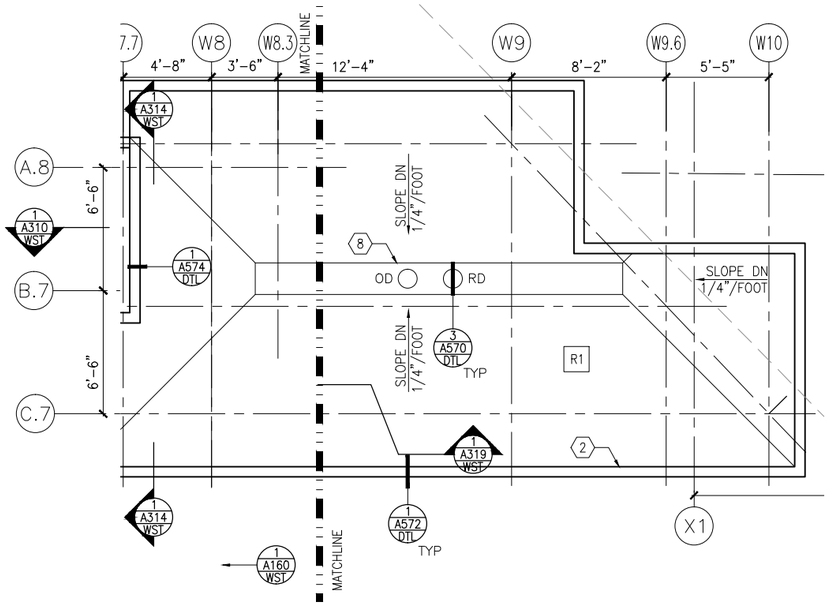
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1 VC PARTIAL ROOF PLAN 002 (WEST)
SCALE:1/8"=1'-0"
0 2 4 8 SCALE



3 VC PARTIAL ROOF PLAN 018 (WEST)
SCALE:1/8"=1'-0"
0 2 4 8 SCALE



2 VC PARTIAL ROOF PLAN 002 (WEST)
SCALE:1/8"=1'-0"
0 2 4 8 SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. ROOF SLOPE IS 1/4" PER FT UNO
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ALUMINUM STOREFRONT AND TRANSLUCENT GLAZING SYSTEM
2. ALUMINUM COMPOSITE PANEL COPING
3. STEEL COLUMN – SEE STRUCTURAL
4. STEEL BEAM ABOVE – SEE STRUCTURAL
5. PREFINISHED METAL SCUPPER
6. PREFINISHED METAL GUTTER, SLOPE TO DOWNSPOUTS
7. ROOF BASE FLASHING
8. SUMP
9. CONCRETE SPLASH BLOCK
10. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
11. ROOF EXPANSION JOINT
12. BUILDING EXPANSION JOINT
13. VENT THROUGH ROOF – SEE PLUMB
14. INTEGRAL ROOF GUTTER – SLOPE TO DOWNSPOUTS BELOW
15. MECHANICAL EQUIP – SEE MECH

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- STEEL COLUMN
- OVERHEAD SUPPORT
- RD OD — ROOF DRAIN AND OVERFLOW ROOF DRAIN
- R1 — ROOF ASSEMBLY TYPE 1 BALLASTED EPDM
- R2 — ROOF ASSEMBLY TYPE 2 PRECAST PAVER OVER EPDM
- R3 — ROOF ASSEMBLY TYPE 3 SAME AS TYPE 2 WITH R_ INSULATION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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SOUTHWEST Green Line LRT Extension

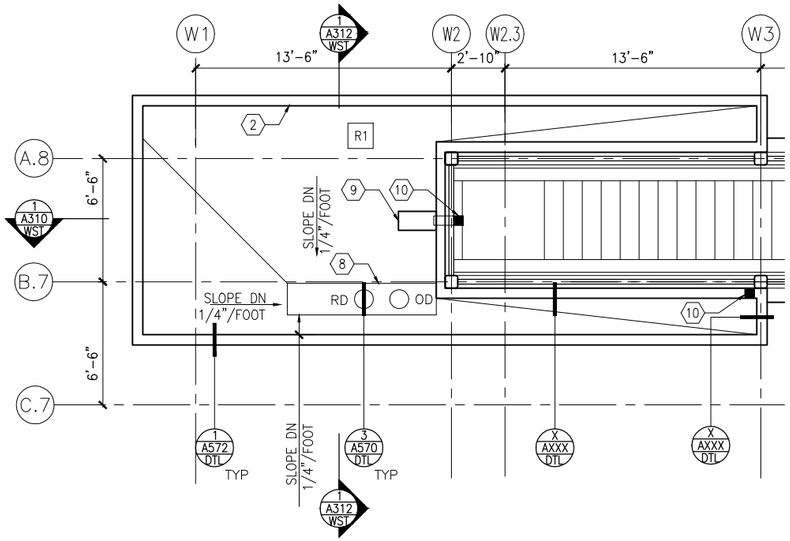
CIVIL - VOLUME 11C
WEST LAKE STATION
VC ROOF PLAN (WEST)

DISCIPLINE: ARCHITECTURE

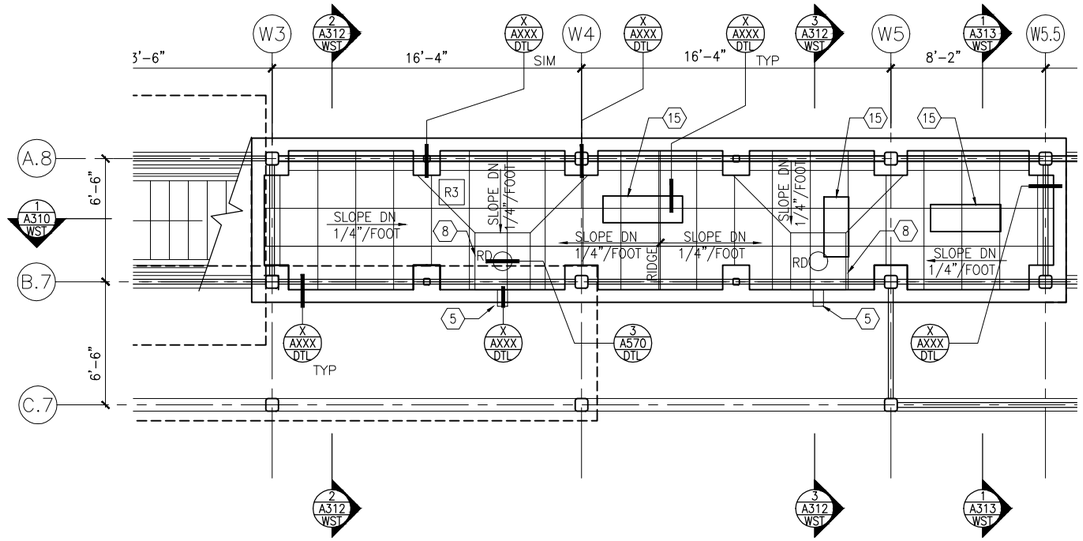
SHEET NAME: E3-WST-ARC-PLN-160

SHEET 345 OF 510

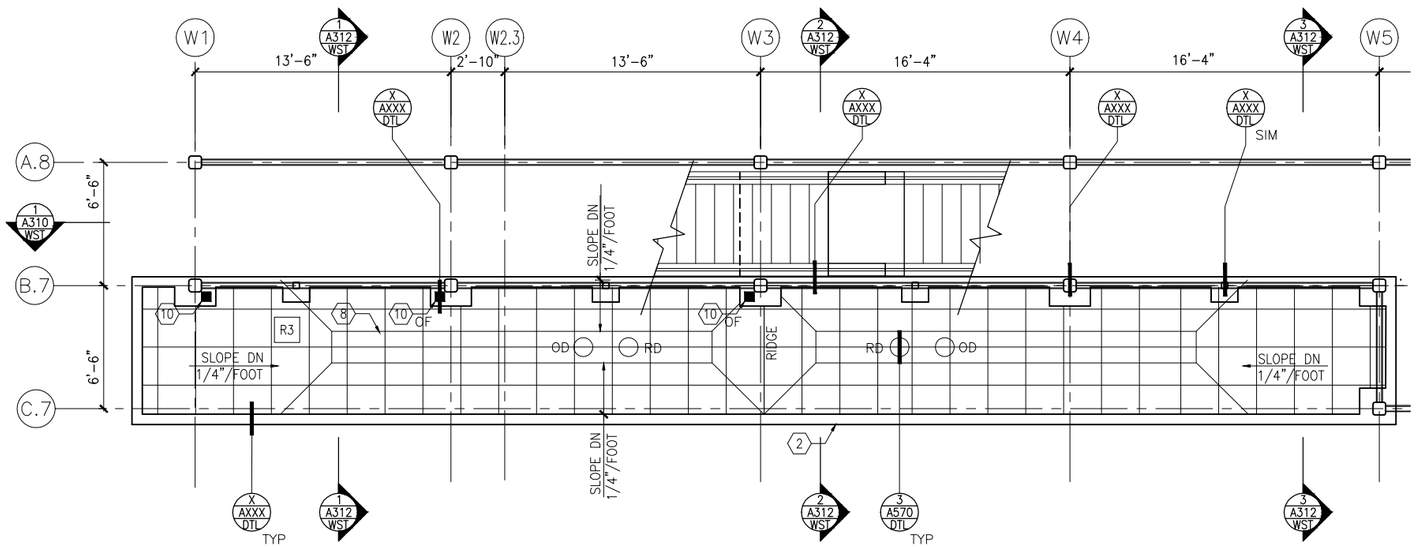
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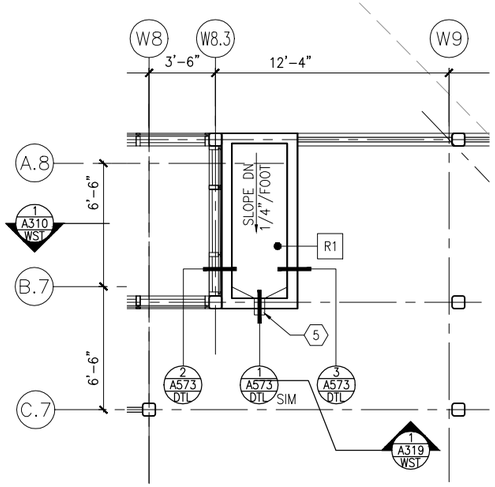
1 VC PARTIAL ROOF PLAN 017 (WEST)
SCALE:1/8"=1'-0"
0 2 4 8
SCALE



2 VC PARTIAL ROOF PLAN 001 (WEST)
SCALE:1/8"=1'-0"
0 2 4 8
SCALE



3 VC PARTIAL ROOF PLAN 015 (WEST)
SCALE:1/8"=1'-0"
0 2 4 8
SCALE



4 VC PART. ROOF PLAN 001 (WEST)
SCALE:1/8"=1'-0"
0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. ROOF SLOPE IS 1/4" PER FT UNO
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ALUMINUM STOREFRONT AND TRANSLUCENT GLAZING SYSTEM
2. ALUMINUM COMPOSITE PANEL COPING
3. STEEL COLUMN – SEE STRUCTURAL
4. STEEL BEAM ABOVE – SEE STRUCTURAL
5. PREFINISHED METAL SCUPPER
6. PREFINISHED METAL GUTTER, SLOPE TO DOWNSPOUTS
7. ROOF BASE FLASHING
8. SUMP
9. CONCRETE SPLASH BLOCK
10. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
11. ROOF EXPANSION JOINT
12. BUILDING EXPANSION JOINT
13. VENT THROUGH ROOF – SEE PLUMB
14. INTEGRAL ROOF GUTTER – SLOPE TO DOWNSPOUTS BELOW
15. MECHANICAL EQUIP – SEE MECH

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- STEEL COLUMN
- OVERHEAD SUPPORT
- RD OD ROOF DRAIN AND OVERFLOW ROOF DRAIN
- R1 ROOF ASSEMBLY TYPE 1 BALLASTED EPDM
- R2 ROOF ASSEMBLY TYPE 2 PRECAST PAVER OVER EPDM
- R3 ROOF ASSEMBLY TYPE 3 SAME AS TYPE 2 WITH R_ INSULATION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

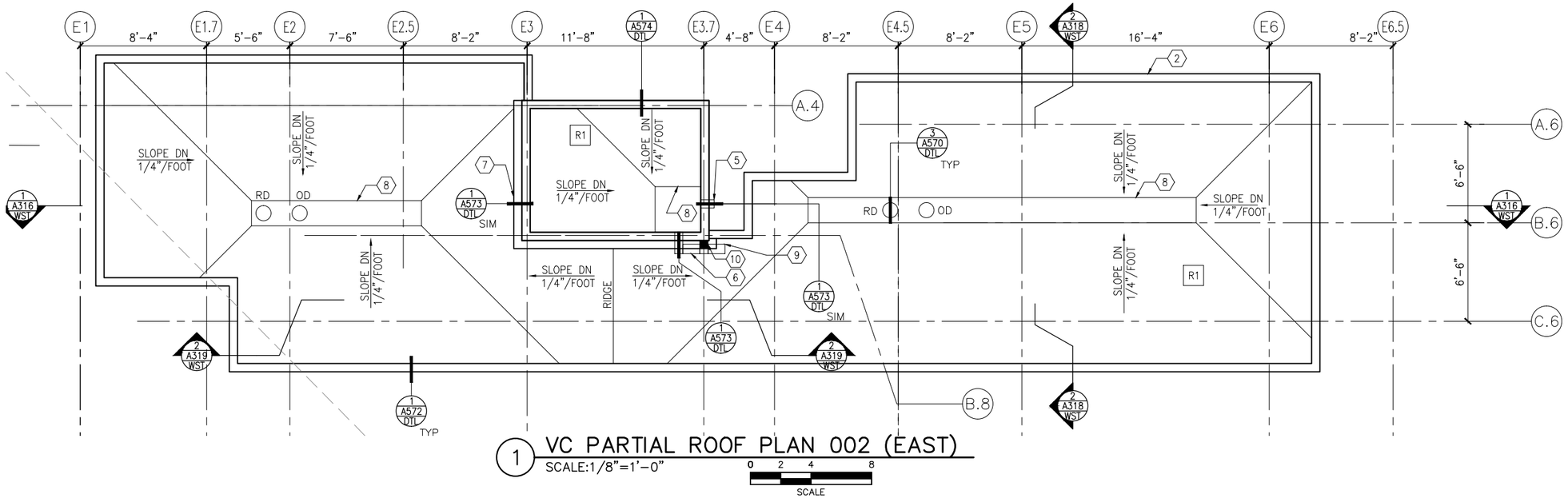
CIVIL - VOLUME 11C
WEST LAKE STATION
VC ROOF PLAN (WEST)

DISCIPLINE: ARCHITECTURE

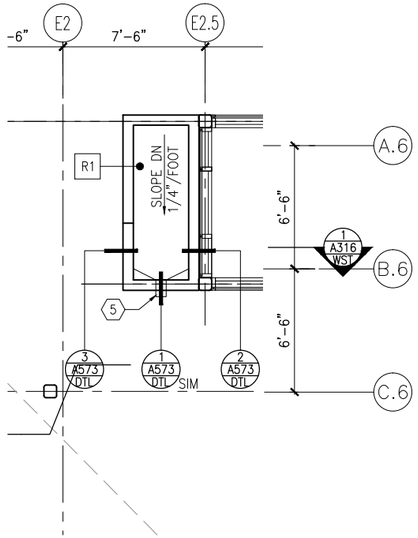
SHEET NAME: E3-WST-ARC-PLN-161

SHEET 346 OF 510

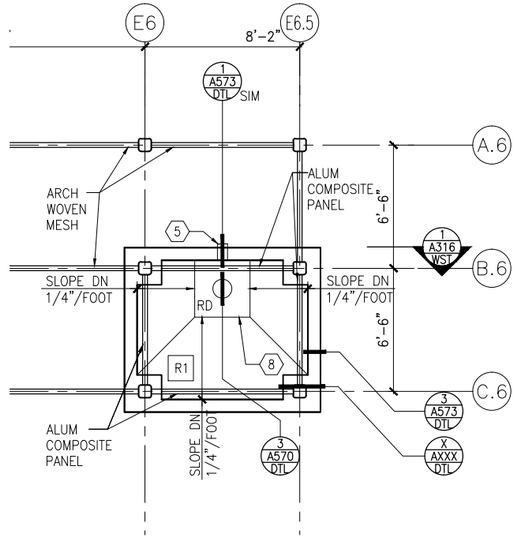
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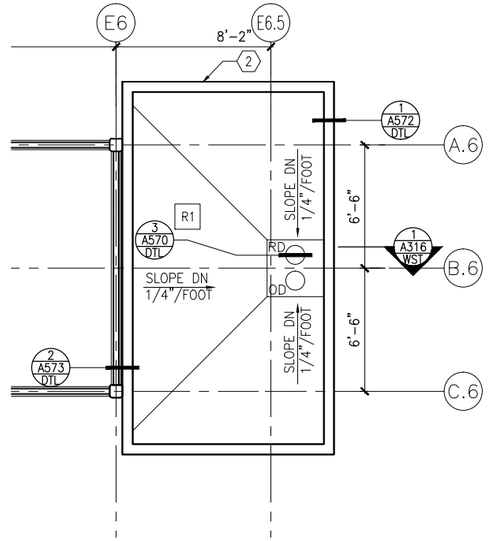
1 VC PARTIAL ROOF PLAN 002 (EAST)
SCALE:1/8"=1'-0"
0 2 4 8
SCALE



2 VC PARTIAL ROOF PLAN 001 (EAST)
SCALE:1/8"=1'-0"
0 2 4 8
SCALE



3 VC PARTIAL ROOF PLAN 001 (EAST)
SCALE:1/8"=1'-0"
0 2 4 8
SCALE



4 VC PARTIAL ROOF PLAN 018 (EAST)
SCALE:1/8"=1'-0"
0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. ROOF SLOPE IS 1/4" PER FT UNO
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ALUMINUM STOREFRONT AND TRANSLUCENT GLAZING SYSTEM
2. ALUMINUM COMPOSITE PANEL COPING
3. STEEL COLUMN – SEE STRUCTURAL
4. STEEL BEAM ABOVE – SEE STRUCTURAL
5. PREFINISHED METAL SCUPPER
6. PREFINISHED METAL GUTTER, SLOPE TO DOWNSPOUTS
7. ROOF BASE FLASHING
8. SUMP
9. CONCRETE SPLASH BLOCK
10. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
11. ROOF EXPANSION JOINT
12. BUILDING EXPANSION JOINT
13. VENT THROUGH ROOF – SEE PLUMB
14. INTEGRAL ROOF GUTTER – SLOPE TO DOWNSPOUTS BELOW
15. MECHANICAL EQUIP – SEE MECH

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- STEEL COLUMN
- OVERHEAD SUPPORT
- RD OD — ROOF DRAIN AND OVERFLOW ROOF DRAIN
- R1 — ROOF ASSEMBLY TYPE 1 BALLASTED EPDM
- R2 — ROOF ASSEMBLY TYPE 2 PRECAST PAVER OVER EPDM
- R3 — ROOF ASSEMBLY TYPE 3 SAME AS TYPE 2 WITH R_ INSULATION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

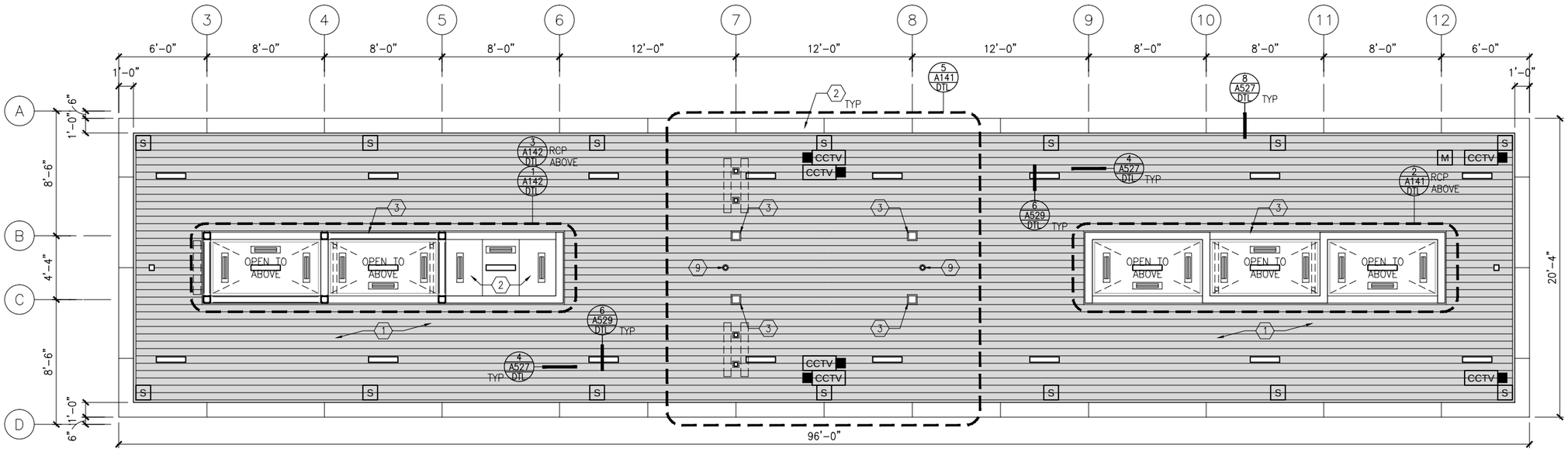
CIVIL - VOLUME 11C
WEST LAKE STATION
VC ROOF PLAN (EAST)

DISCIPLINE: ARCHITECTURE

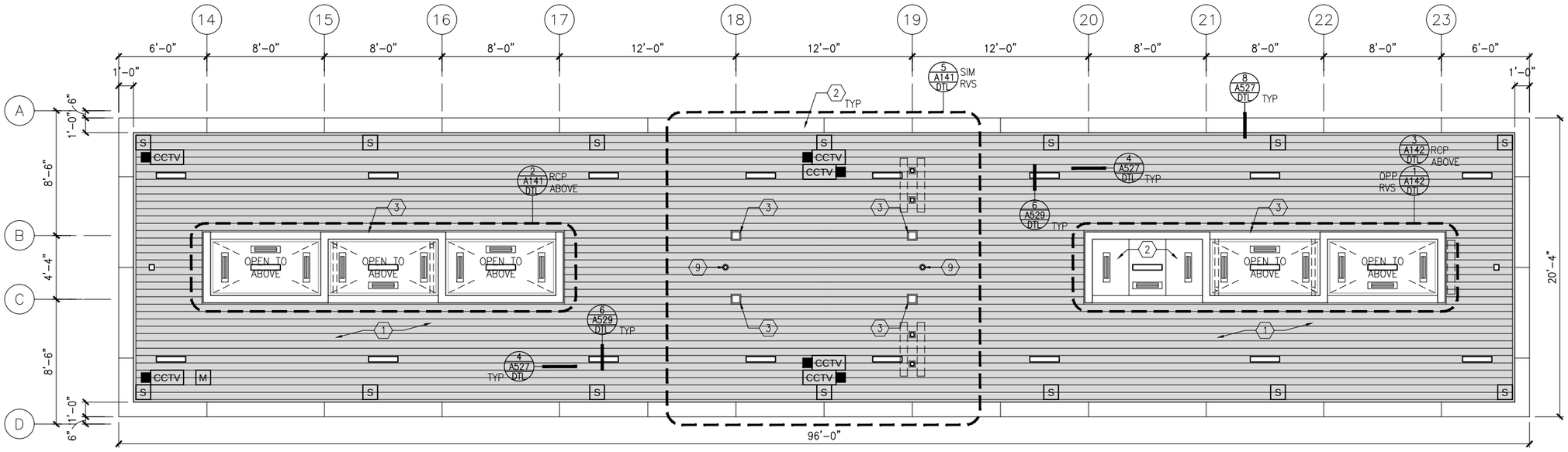
SHEET NAME: E3-WST-ARC-PLN-162

SHEET 347 OF 510

Jan. 18 2016 10:19 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-162.dwg By: V-ZasueOB



1 REFLECTED CEILING PLAN – WEST CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE



2 REFLECTED CEILING PLAN – EAST CANOPY
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. EXTERIOR LINEAR METAL CEILING SOFFIT IN SHADED AREA
2. ALUMINUM COMPOSITE PANEL SOFFIT
3. PROVIDE MATCHING CEILING TRIM AROUND STEEL COLUMN AND/OR SHELTERS
4. PC CONC WALKWAY – SEE STRUCT
5. PC CONC STAIR – SEE STRUCT
6. EXPOSED STRUCTURE – SEE STRUCTURAL
7. ACOUSTIC CEILING
8. ACCESS PANELS FOR EQUIPMENT ACCESS
9. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- S SPEAKER
- M MICROPHONE
- C SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN
- LAY-IN ACOUSTIC CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING
- LED LINEAR LIGHT FIXTURE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

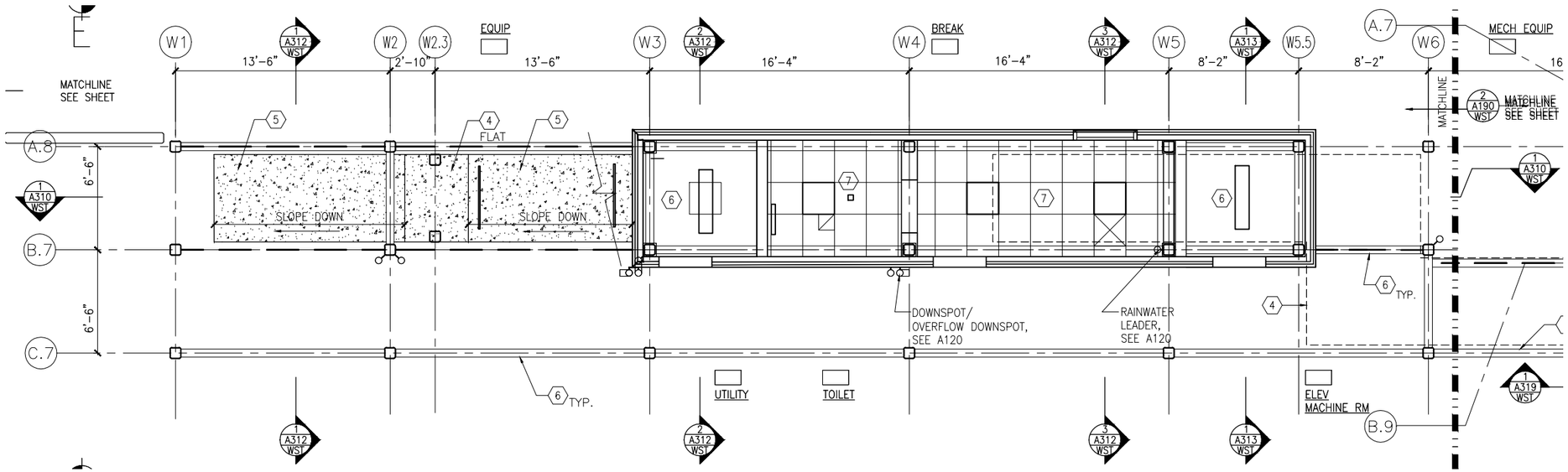
CIVIL - VOLUME 11C
WEST LAKE STATION
REFLECTED CEILING PLANS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-RCP-180

SHEET 348 OF 510

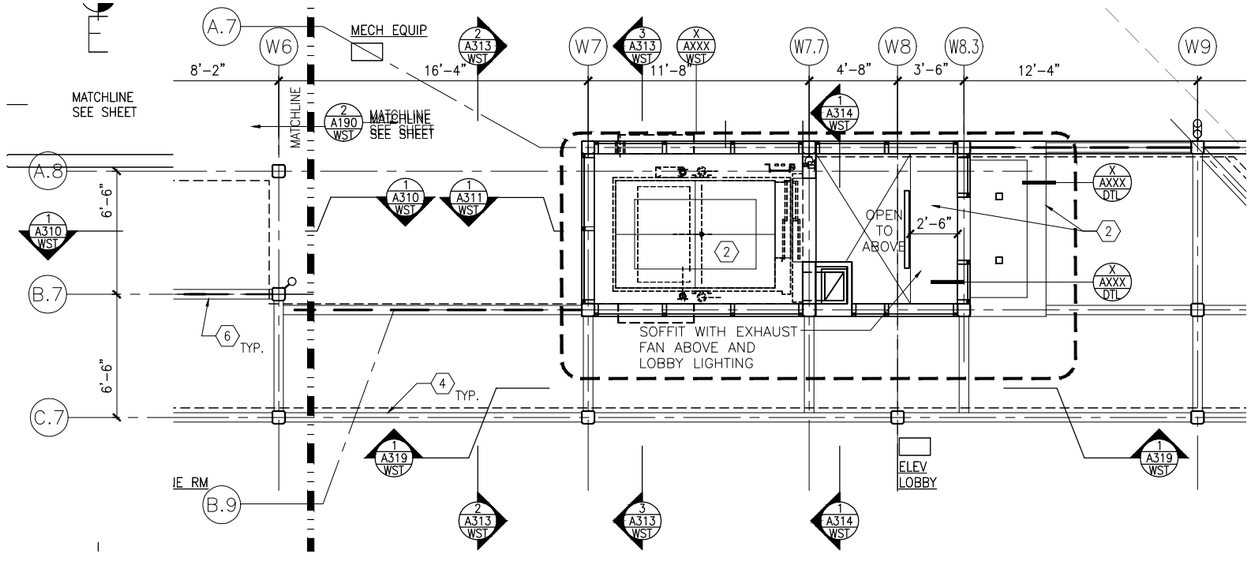
Jan, 18 2016 10:19 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-RCP-180.dwg By: V-Zasuie0B



1 VC RCP PLATFORM LEVEL (WEST)

SCALE:1/8"-1'-0"

0 2 4 8
SCALE



2 VC RCP PLATFORM LEVEL (WEST)

SCALE:1/8"-1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. EXTERIOR LINEAR METAL CEILING SOFFIT IN SHADED AREA
2. ALUMINUM COMPOSITE PANEL SOFFIT
3. PROVIDE MATCHING CEILING TRIM AROUND STEEL COLUMN AND/OR SHELTERS
4. PC CONC WALKWAY – SEE STRUCT
5. PC CONC STAIR – SEE STRUCT
6. EXPOSED STRUCTURE – SEE STRUCTURAL
7. ACOUSTIC CEILING
8. ACCESS PANELS FOR EQUIPMENT ACCESS
9. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- [S] SPEAKER
- [M] MICROPHONE
- [C] SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN
- LAY-IN ACOUSTIC CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING
- LED LINEAR LIGHT FIXTURE

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SOUTHWEST Green Line LRT Extension

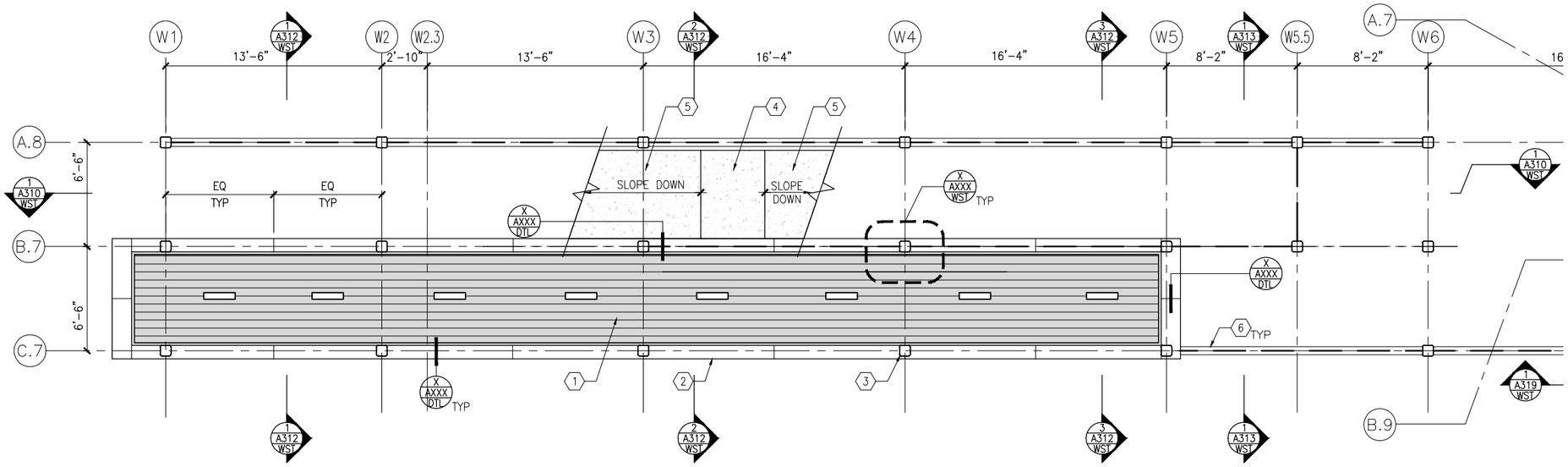
CIVIL - VOLUME 11C
WEST LAKE STATION
VC RCP PLATFORM LEVEL (WEST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-RCP-190

SHEET 349 OF 510

Jan, 18 2016 10:20 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-RCP-190.dwg By: V-ZasulieOB



1 VC RCP INTERMEDIATE LEVEL 015 (WEST)

SCALE:1/8"-1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. EXTERIOR LINEAR METAL CEILING SOFFIT IN SHADED AREA
2. ALUMINUM COMPOSITE PANEL SOFFIT
3. PROVIDE MATCHING CEILING TRIM AROUND STEEL COLUMN AND/OR SHELTERS
4. PC CONC WALKWAY – SEE STRUCT
5. PC CONC STAIR – SEE STRUCT
6. EXPOSED STRUCTURE – SEE STRUCTURAL
7. ACOUSTIC CEILING
8. ACCESS PANELS FOR EQUIPMENT ACCESS
9. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- S SPEAKER
- M MICROPHONE
- C SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN
- LAY-IN ACOUSTIC CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING
- LED LINEAR LIGHT FIXTURE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

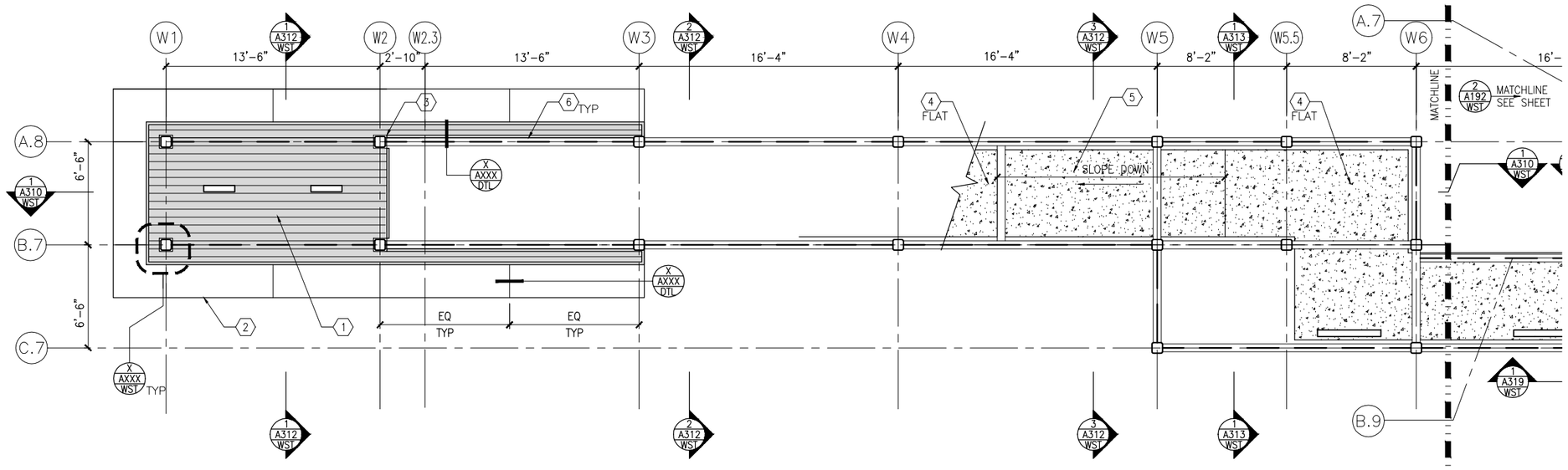
CIVIL - VOLUME 11C
WEST LAKE STATION
VC RCP INTERMEDIATE LEVEL 015 (WEST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-RCP-191

SHEET 350 OF 510

Jan, 18 2016 10:22 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-RCP-191.dwg By: V-ZasuleOB

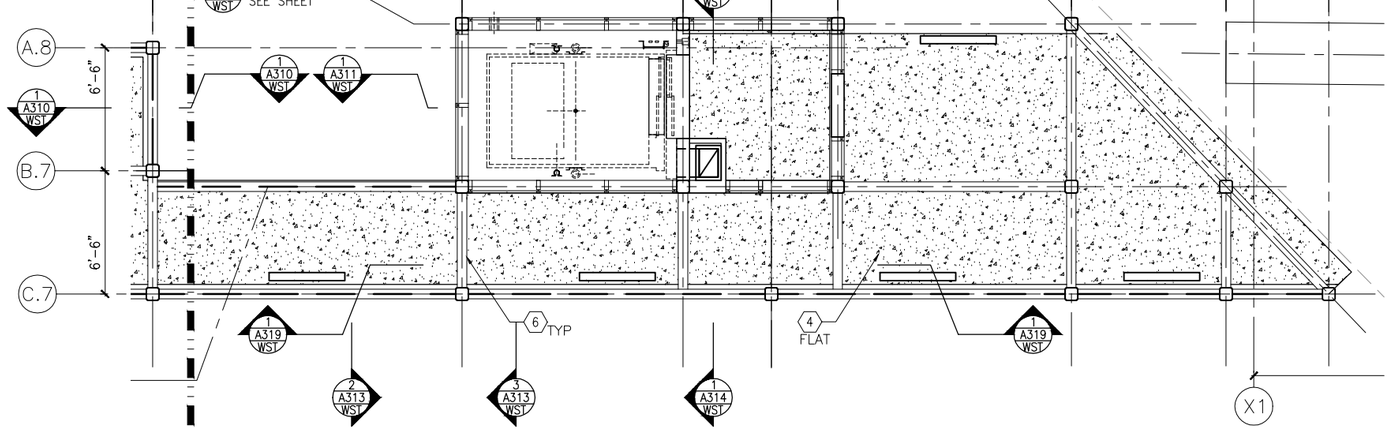


1 VC RCP INTERMEDIATE LEVEL 017 (WEST)

SCALE:1/8"-1'-0"

0 2 4 8

SCALE



2 VC RCP INTERMEDIATE LEVEL 017 (WEST)

SCALE:1/8"-1'-0"

0 2 4 8

SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. EXTERIOR LINEAR METAL CEILING SOFFIT IN SHADED AREA
2. ALUMINUM COMPOSITE PANEL SOFFIT
3. PROVIDE MATCHING CEILING TRIM AROUND STEEL COLUMN AND/OR SHELTERS
4. PC CONC WALKWAY – SEE STRUCT
5. PC CONC STAIR – SEE STRUCT
6. EXPOSED STRUCTURE – SEE STRUCTURAL
7. ACOUSTIC CEILING
8. ACCESS PANELS FOR EQUIPMENT ACCESS
9. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- S SPEAKER
- M MICROPHONE
- C SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN
- LAY-IN ACOUSTIC CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING
- LED LINEAR LIGHT FIXTURE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

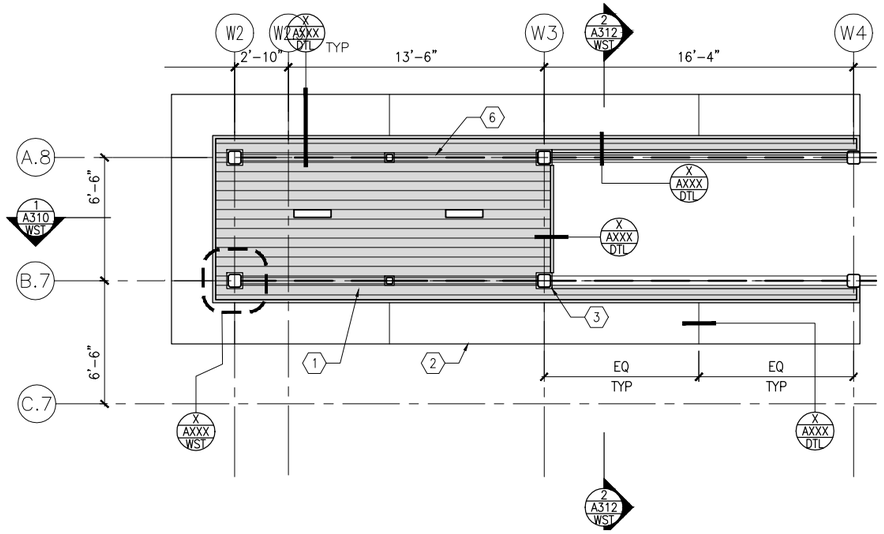
CIVIL - VOLUME 11C
WEST LAKE STATION
VC RCP INTERMEDIATE LEVEL 017 (WEST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-RCP-192

SHEET 351 OF 510

Jan, 18 2016 10:23 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-RCP-192.dwg By: V-ZasulieOB

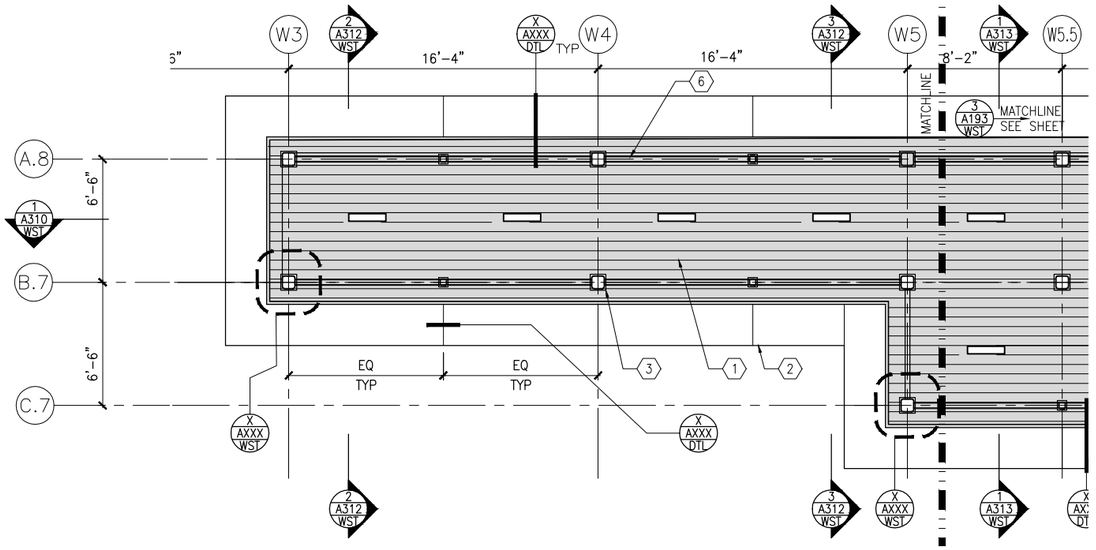


1 VC RCP INTERMEDIATE LEVEL 018 (WEST)

SCALE:1/8"–1'–0"

0 2 4 8

SCALE

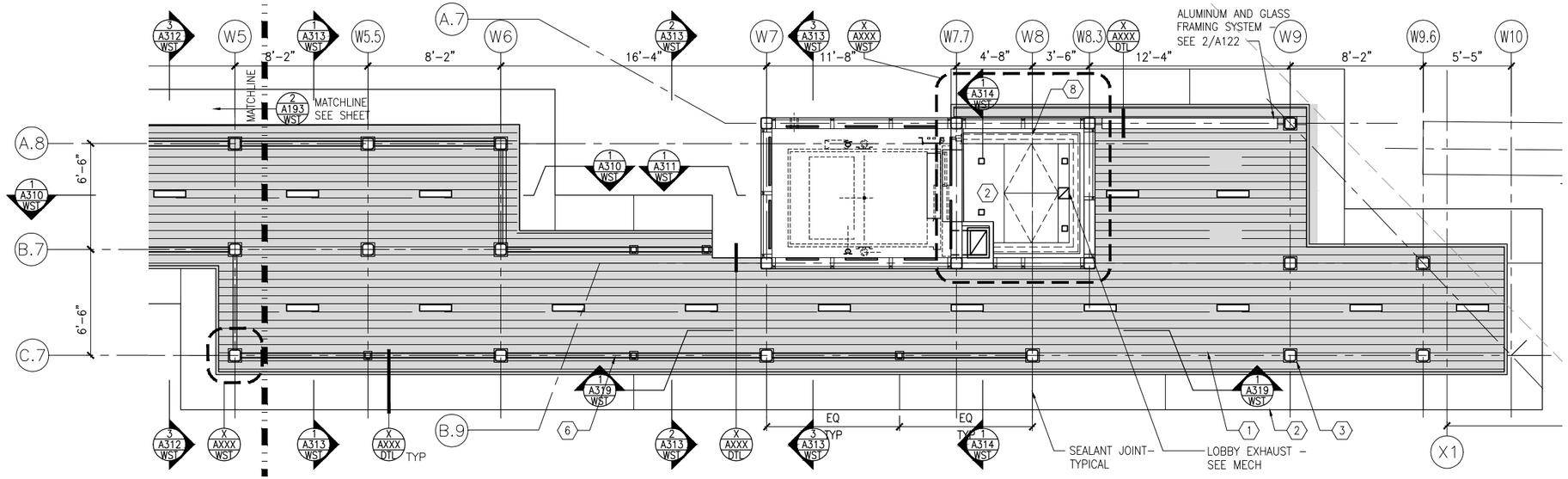


2 VC RCP BRIDGE LEVEL (WEST)

SCALE:1/8"–1'–0"

0 2 4 8

SCALE



3 VC RCP BRIDGE LEVEL (WEST)

SCALE:1/8"–1'–0"

0 2 4 8

SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. EXTERIOR LINEAR METAL CEILING SOFFIT IN SHADED AREA
2. ALUMINUM COMPOSITE PANEL SOFFIT
3. PROVIDE MATCHING CEILING TRIM AROUND STEEL COLUMN AND/OR SHELTERS
4. PC CONC WALKWAY – SEE STRUCT
5. PC CONC STAIR – SEE STRUCT
6. EXPOSED STRUCTURE – SEE STRUCTURAL
7. ACOUSTIC CEILING
8. ACCESS PANELS FOR EQUIPMENT ACCESS
9. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- S SPEAKER
- M MICROPHONE
- C SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN
- LAY–IN ACOUSTIC CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING
- LED LINEAR LIGHT FIXTURE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

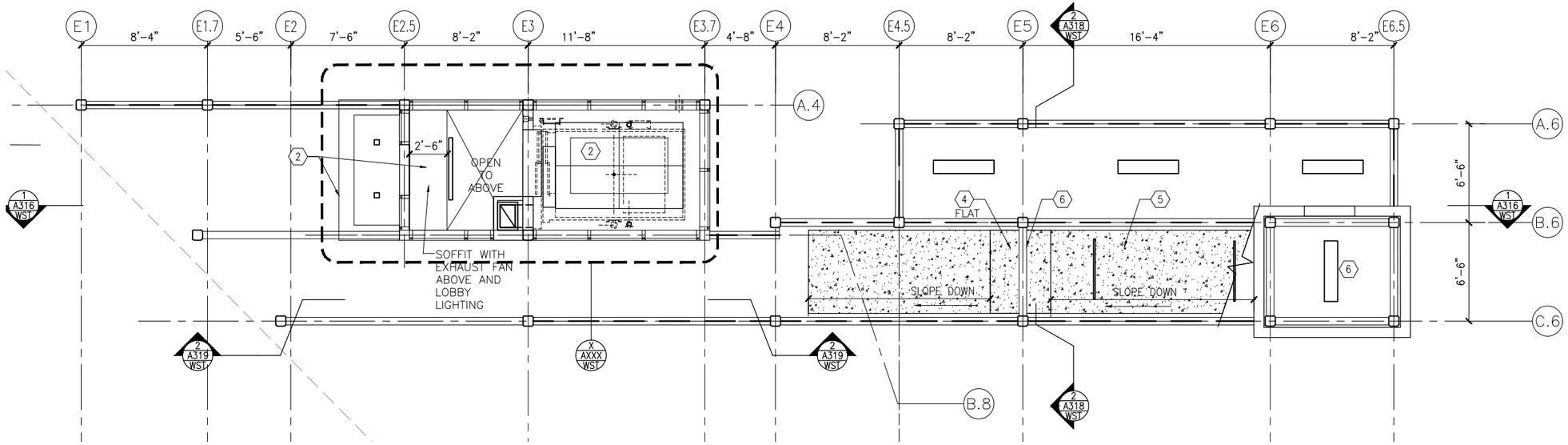
CIVIL - VOLUME 11C
WEST LAKE STATION
VC RCP BRIDGE LEVEL (WEST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-RCP-193

SHEET 352 OF 510

Jan. 18 2016 10:24 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-RCP-193.dwg By: V-ZasulieOB

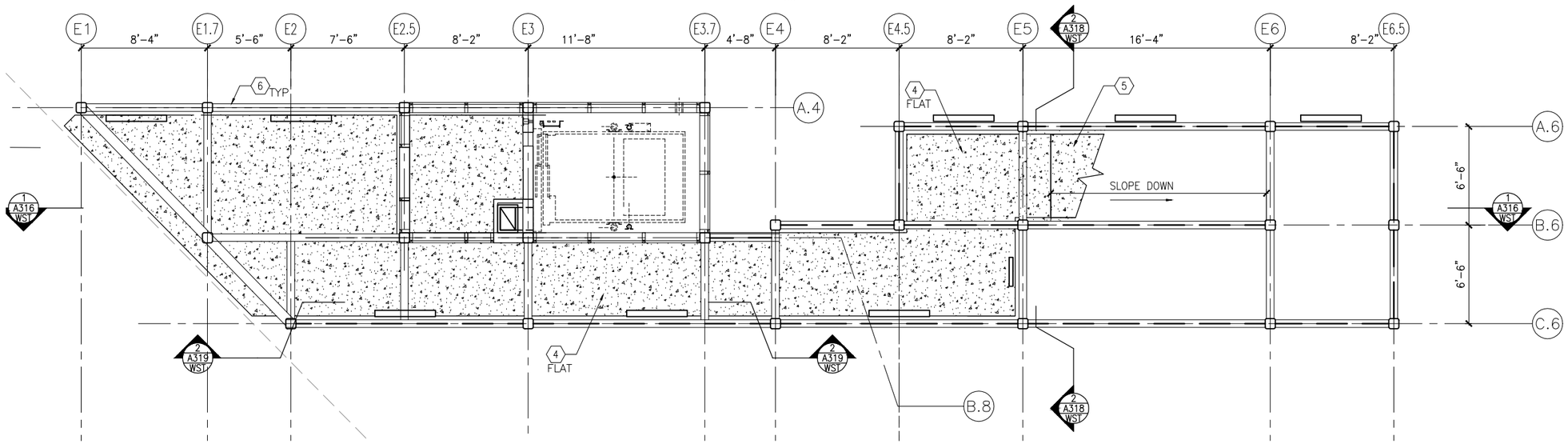


1 VC RCP PLATFORM LEVEL (EAST)

SCALE:1/8"–1'–0"

0 2 4 8

SCALE



2 VC RCP INTERMEDIATE LEVEL 017 (EAST)

SCALE:1/8"–1'–0"

0 2 4 8

SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. EXTERIOR LINEAR METAL CEILING SOFFIT IN SHADED AREA
2. ALUMINUM COMPOSITE PANEL SOFFIT
3. PROVIDE MATCHING CEILING TRIM AROUND STEEL COLUMN AND/OR SHELTERS
4. PC CONC WALKWAY – SEE STRUCT
5. PC CONC STAIR – SEE STRUCT
6. EXPOSED STRUCTURE – SEE STRUCTURAL
7. ACOUSTIC CEILING
8. ACCESS PANELS FOR EQUIPMENT ACCESS
9. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- S SPEAKER
- M MICROPHONE
- C SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN
- LAY–IN ACOUSTIC CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING
- LED LINEAR LIGHT FIXTURE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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SOUTHWEST Green Line LRT Extension

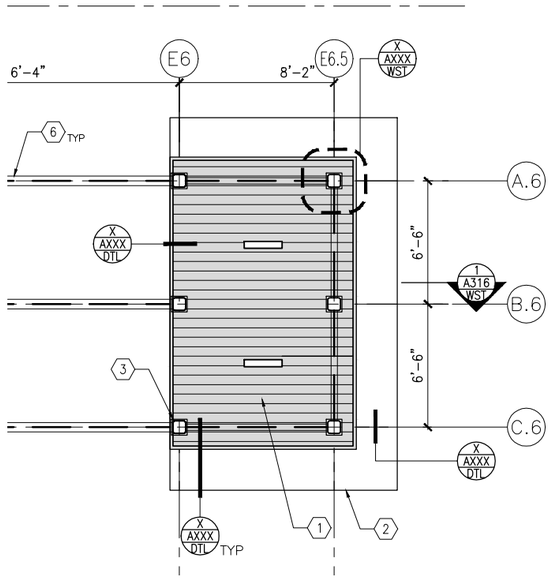
CIVIL - VOLUME 11C
WEST LAKE STATION
VC RCP PLATFORM \ INTERMEDIATE LEVEL 017 (EAST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-RCP-194

SHEET 353 OF 510

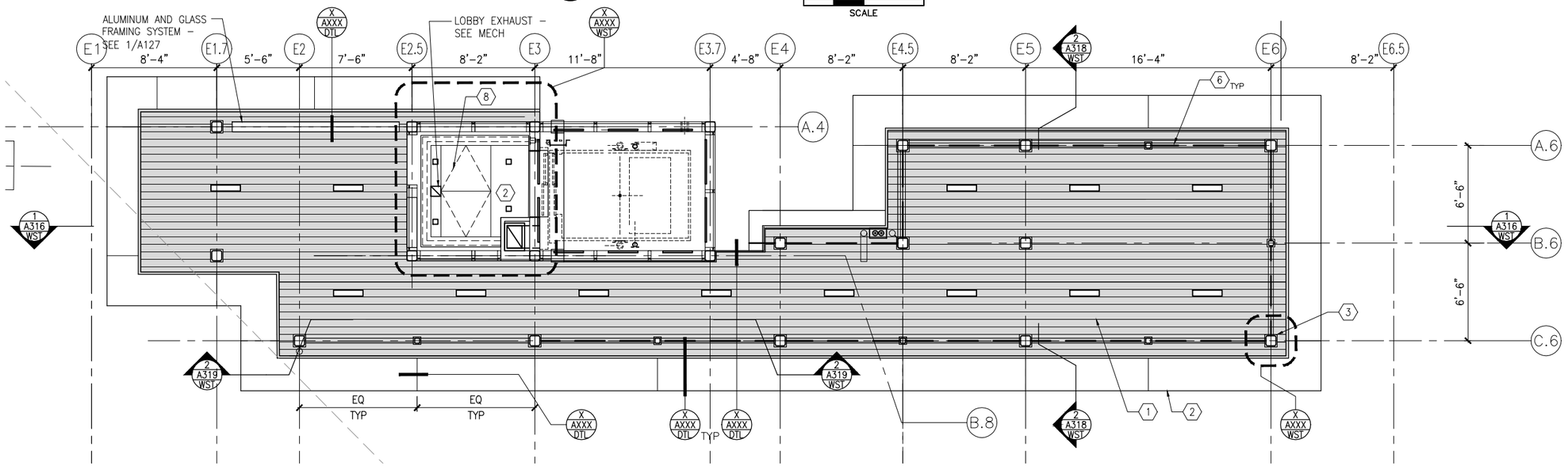
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1 VC RCP INTERMEDIATE LEVEL 018 (EAST)

SCALE:1/8"-1'-0"

SCALE 0 2 4 8



2 VC RCP BRIDGE LEVEL (EAST)

SCALE:1/8"-1'-0"

SCALE 0 2 4 8

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. EXTERIOR LINEAR METAL CEILING SOFFIT IN SHADED AREA
2. ALUMINUM COMPOSITE PANEL SOFFIT
3. PROVIDE MATCHING CEILING TRIM AROUND STEEL COLUMN AND/OR SHELTERS
4. PC CONC WALKWAY – SEE STRUCT
5. PC CONC STAIR – SEE STRUCT
6. EXPOSED STRUCTURE – SEE STRUCTURAL
7. ACOUSTIC CEILING
8. ACCESS PANELS FOR EQUIPMENT ACCESS
9. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING

LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- S SPEAKER
- M MICROPHONE
- C SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN
- LAY-IN ACOUSTIC CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING
- LED LINEAR LIGHT FIXTURE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

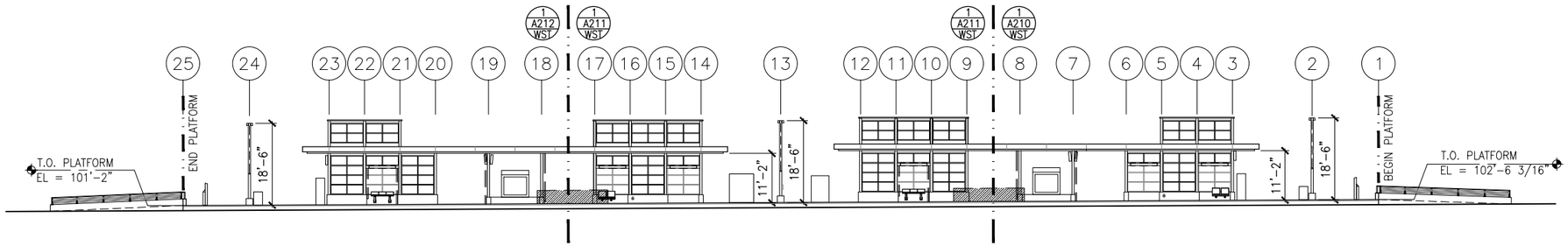
CIVIL - VOLUME 11C
WEST LAKE STATION
VC RCP BRIDGE LEVEL (EAST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-RCP-195

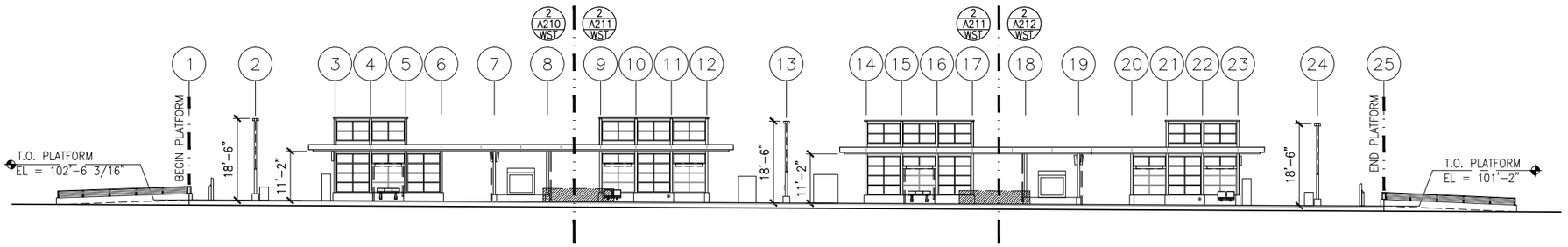
SHEET 354 OF 510

Jan, 18 2016 10:25 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-RCP-195.dwg By: V-ZasuleOB



1 TRACK 1 ELEVATION
SCALE: 1"=30' (−0.50% SLOPE)*

0 7.5 15 30
SCALE



2 TRACK 2 ELEVATION
SCALE: 1"=30' (−0.50% SLOPE)*

0 7.5 15 30
SCALE

*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

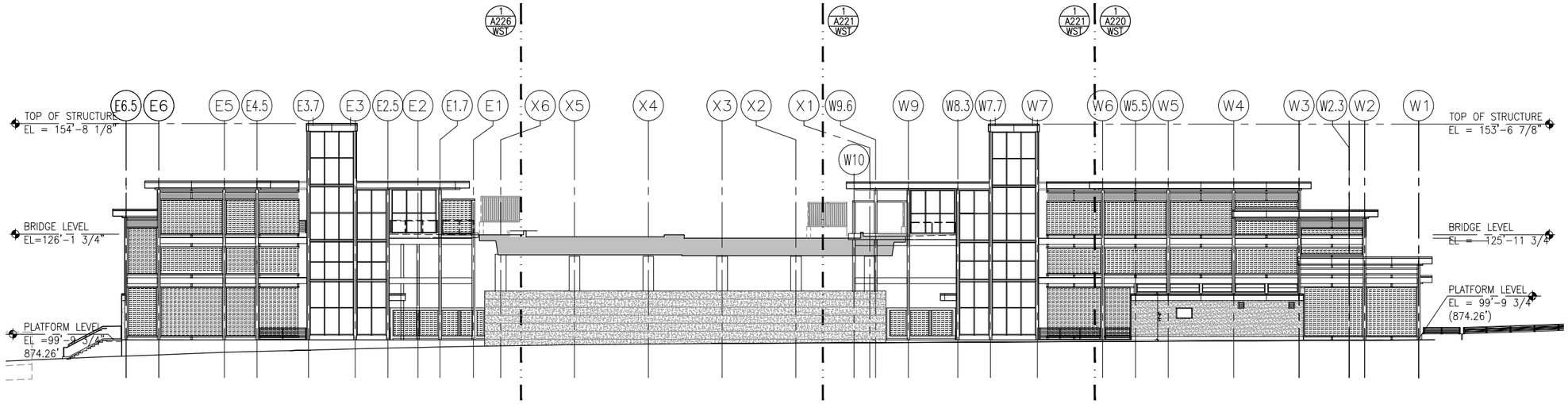
CIVIL - VOLUME 11C
WEST LAKE STATION
ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-ELV-200

SHEET 355 OF 510

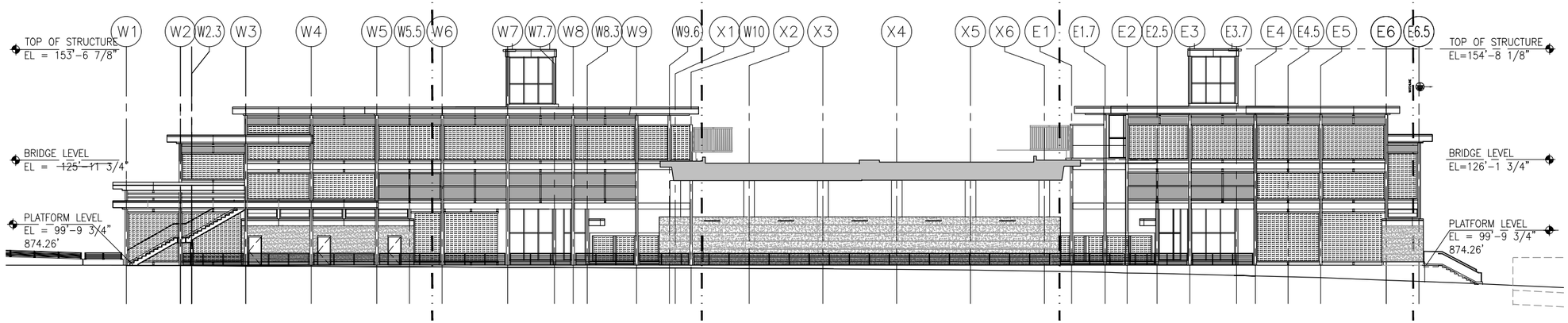
Jan, 18 2016 10:26 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-200.DWG By: V-ZasulieOB



1 VC TRACK 1 ELEVATION
SCALE: 1"=30'

0 7.5 15 30
SCALE

(-0.50% SLOPE)*



2 VC TRACK 2 ELEVATION
SCALE: 1"=30'

0 7.5 15 30
SCALE

(-0.50% SLOPE)*

*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

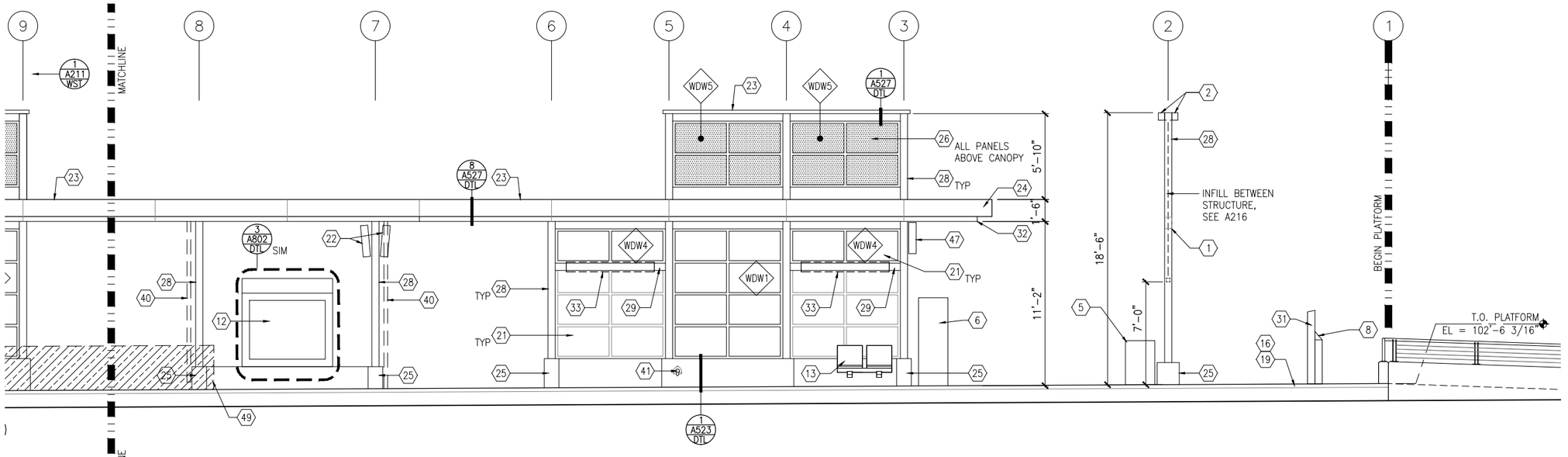
CIVIL - VOLUME 11C
WEST LAKE STATION
VC ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-ELV-201

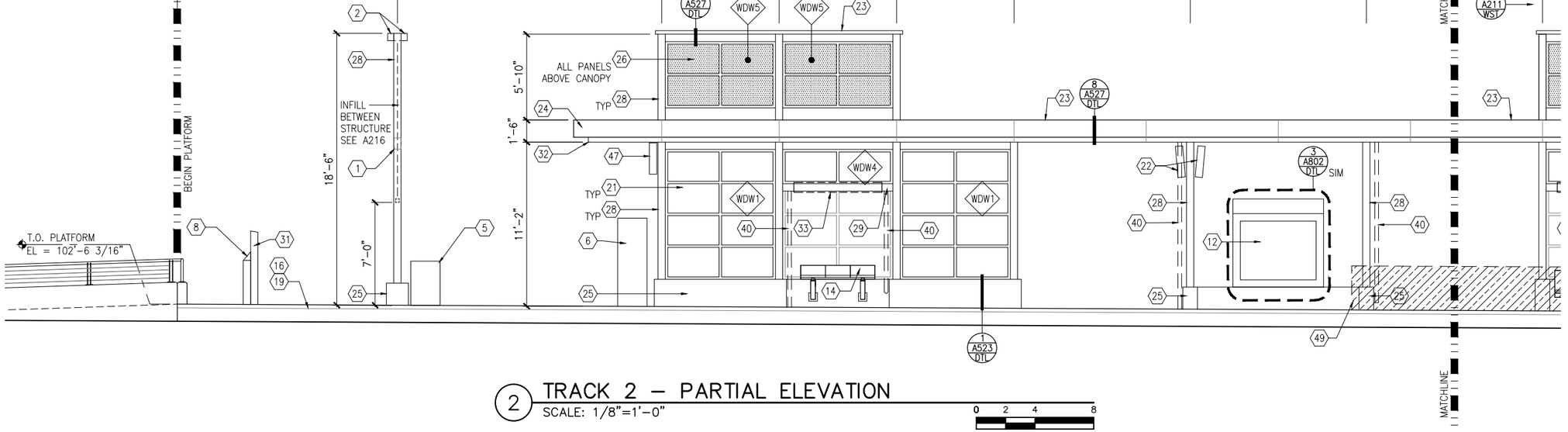
SHEET 356 OF 510

Jan, 18 2016 10:26 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-201.dwg By: V-ZasueOB



1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. LIGHTNING ROD – SEE ELECTRICAL
35. PC CONC WALL PANEL
36. CAST IRON DOWNSPOUT – PAINT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
41. DOWNSPOUT NOZZLE – SEE PLUMBING
42. SECONDARY STEEL FRAMING – SEE STRUCTURAL
43. DOOR – SEE DOOR SCHEDULE
44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

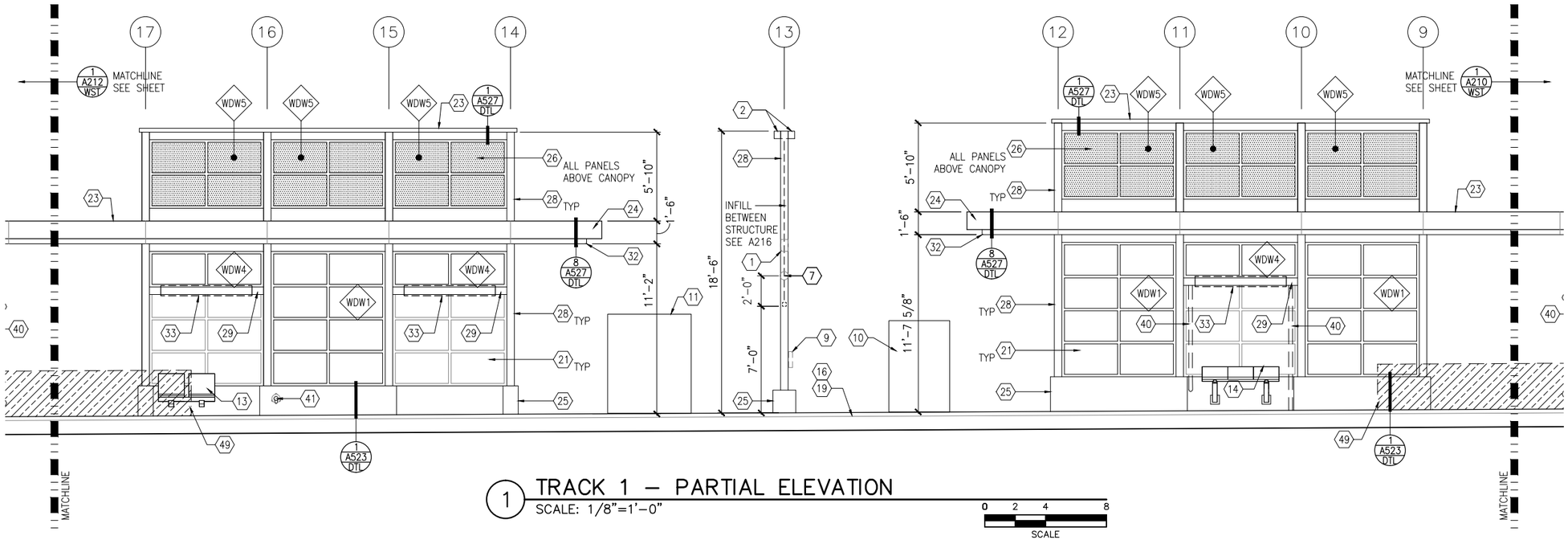
CIVIL - VOLUME 11C
WEST LAKE STATION
WEST PARTIAL ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-ELV-210

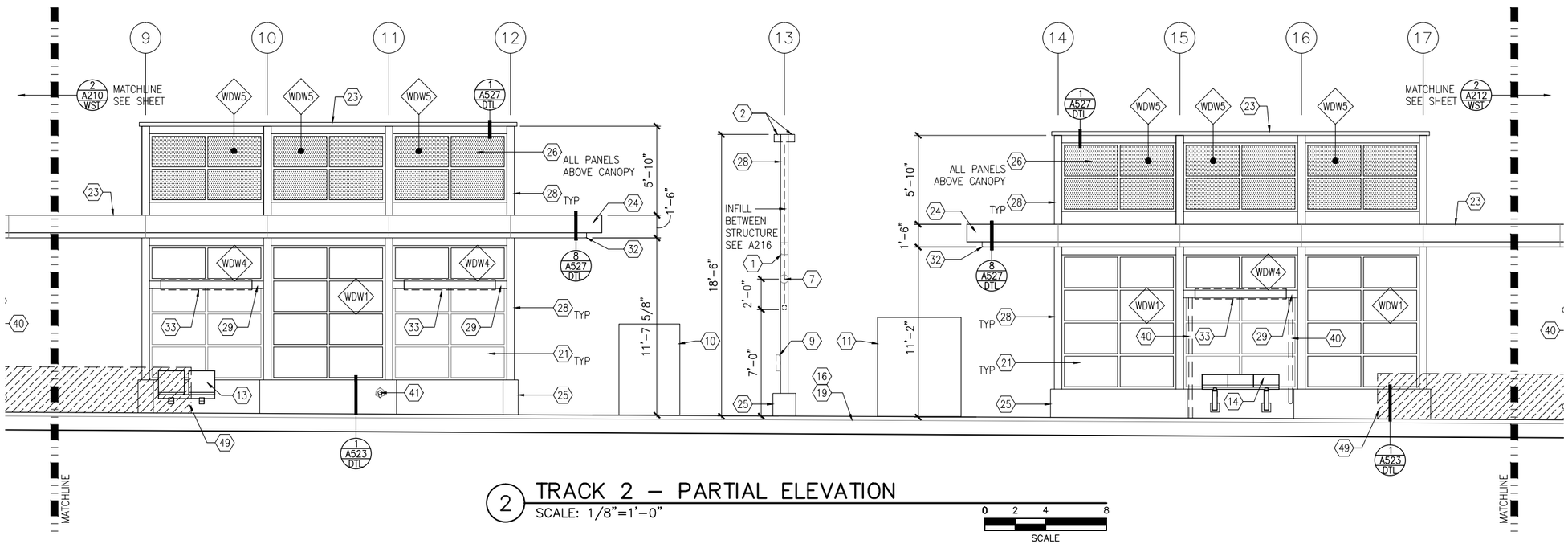
SHEET 357 OF 510

Jan. 18 2016 10:27 am v:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-210.dwg By: V-ZasueOB



1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. LIGHTNING ROD – SEE ELECTRICAL
35. PC CONC WALL PANEL
36. CAST IRON DOWNSPOUT – PAINT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
41. DOWNSPOUT NOZZLE – SEE PLUMBING
42. SECONDARY STEEL FRAMING – SEE STRUCTURAL
43. DOOR – SEE DOOR SCHEDULE
44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

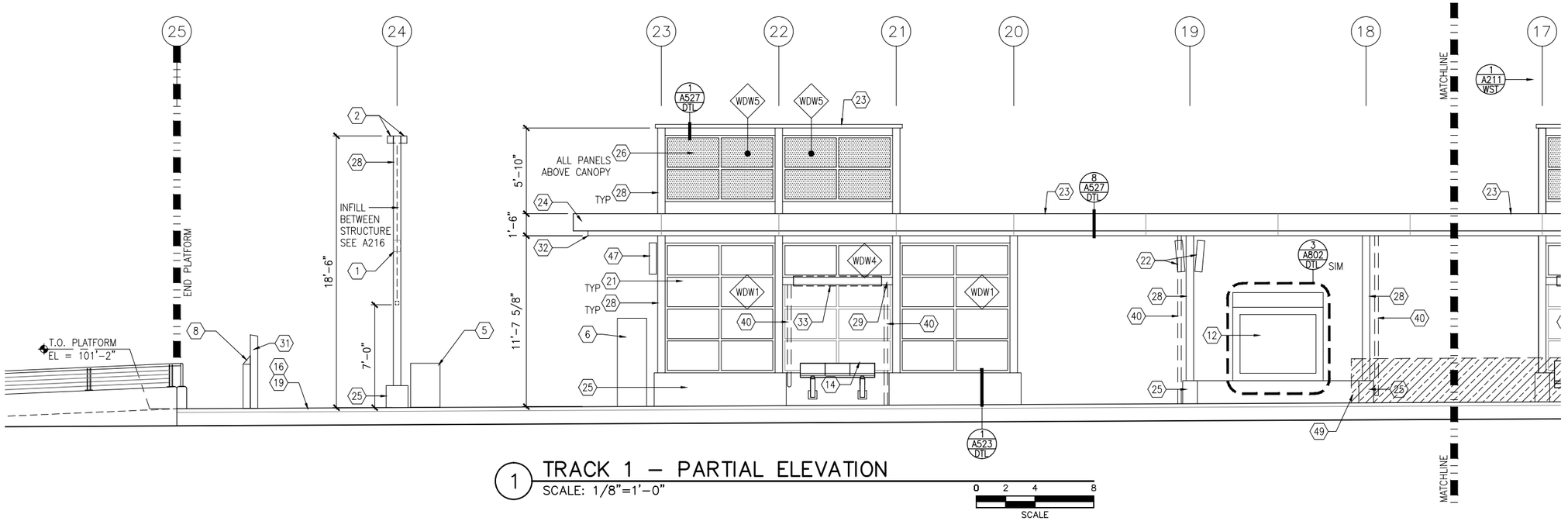
CIVIL - VOLUME 11C
WEST LAKE STATION
MIDDLE PARTIAL ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-ELV-211

SHEET 358 OF 510

Jan, 18 2016 10:27 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-211.dwg By: V-ZasuleOB

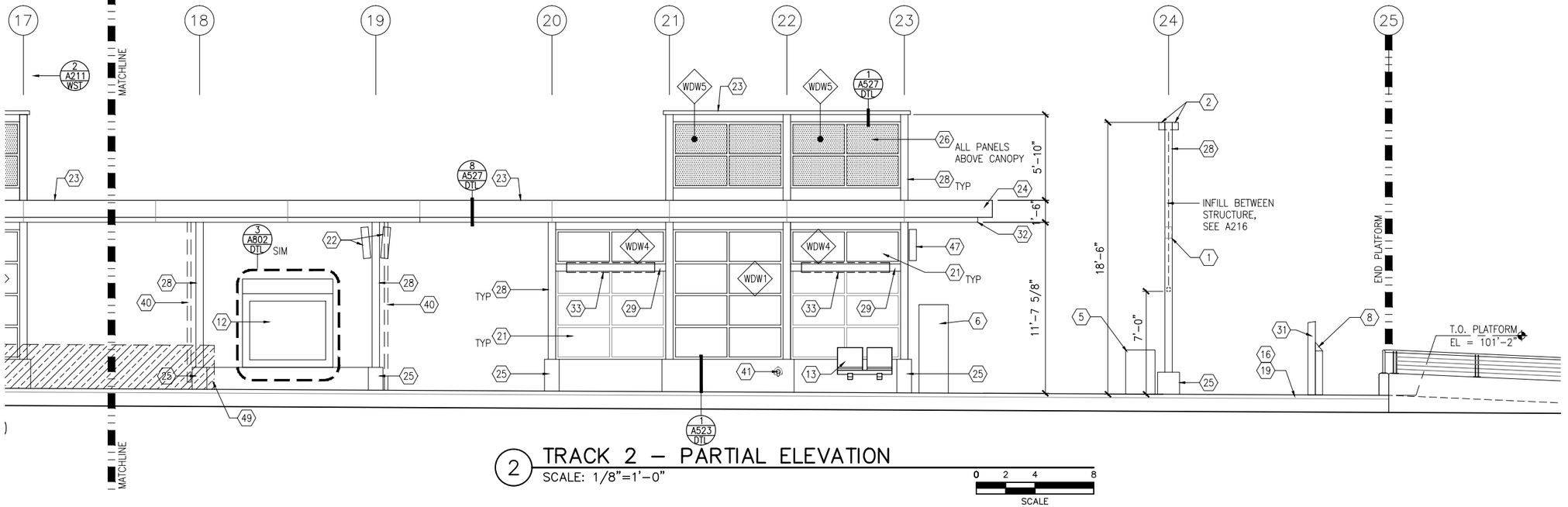


1 TRACK 1 – PARTIAL ELEVATION

SCALE: 1/8"=1'-0"

0 2 4 8

SCALE



2 TRACK 2 – PARTIAL ELEVATION

SCALE: 1/8"=1'-0"

0 2 4 8

SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. LIGHTNING ROD – SEE ELECTRICAL
35. PC CONC WALL PANEL
36. CAST IRON DOWNSPOUT – PAINT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
41. DOWNSPOUT NOZZLE – SEE PLUMBING
42. SECONDARY STEEL FRAMING – SEE STRUCTURAL
43. DOOR – SEE DOOR SCHEDULE
44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

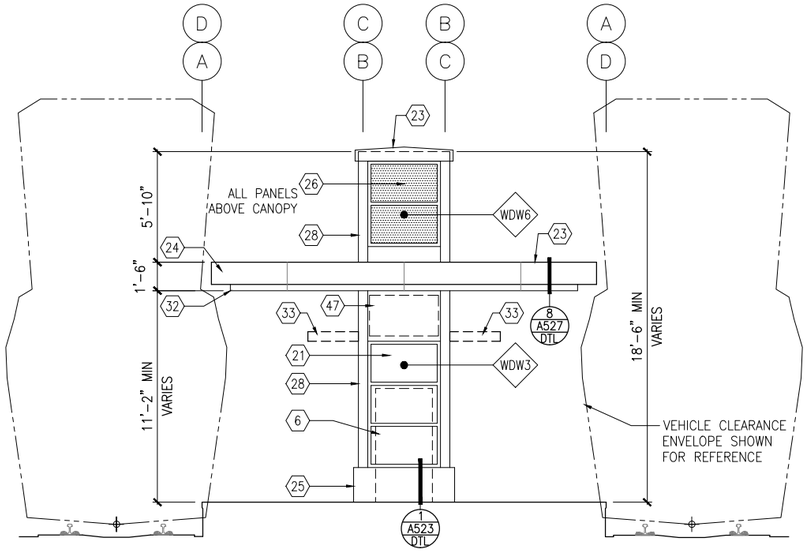
CIVIL - VOLUME 11C
WEST LAKE STATION
EAST PARTIAL ELEVATIONS

SHEET 359 OF 510

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-ELV-212

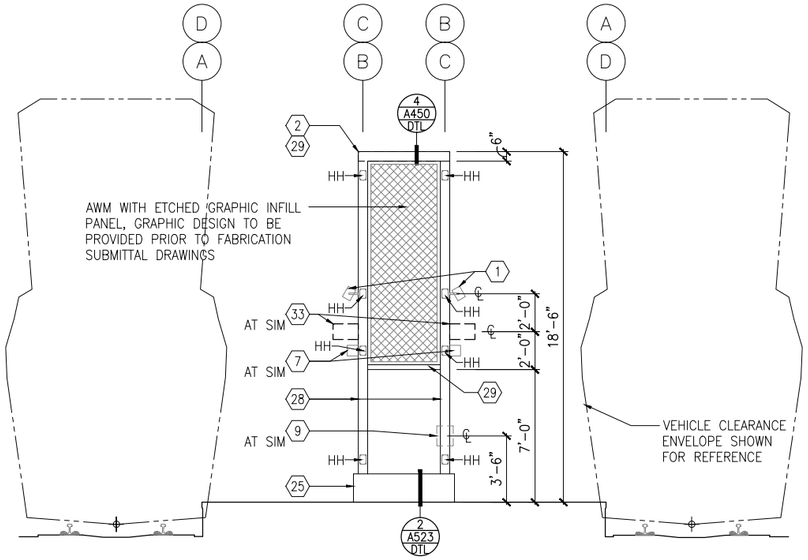
Jan, 18 2016 10:28 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-212.dwg By: V-ZasueOB



1 SIDE ELEVATION

SCALE: 1/8"=1'-0"

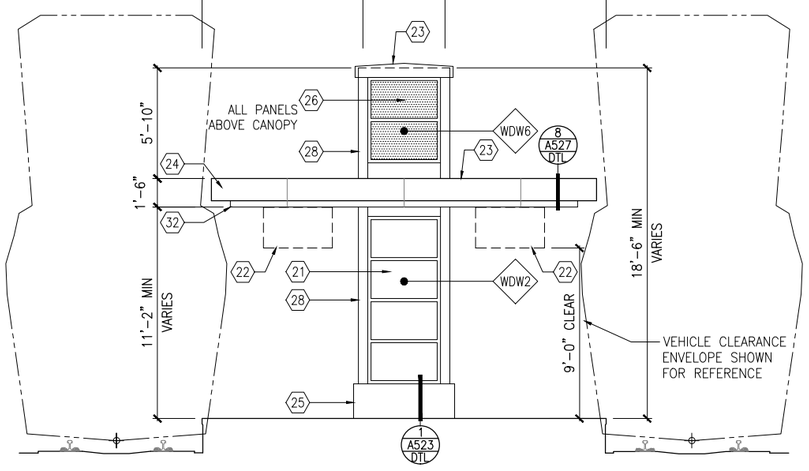
0 2 4 8
SCALE



2 SIDE ELEVATION

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



3 SIDE ELEVATION

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. LIGHTNING ROD – SEE ELECTRICAL
35. PC CONC WALL PANEL
36. CAST IRON DOWNSPOUT – PAINT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
41. DOWNSPOUT NOZZLE – SEE PLUMBING
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43. DOOR – SEE DOOR SCHEDULE
44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

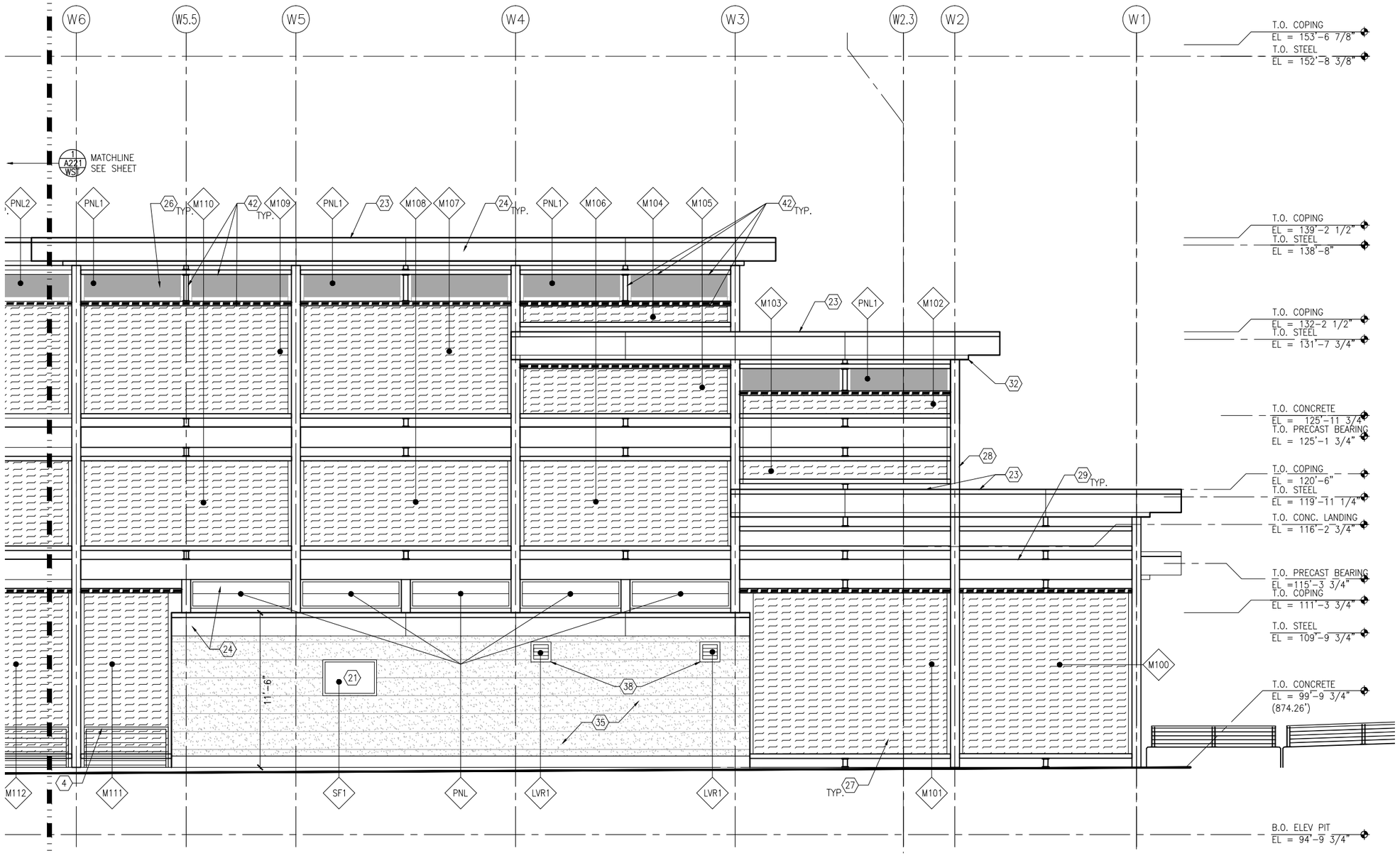
CIVIL - VOLUME 11C
WEST LAKE STATION
SIDE ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-ELV-216

SHEET 360 OF 510

Jan, 18 2016 10:28 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-216.dwg By: V-ZasueOB



1 VC TRACK 1 – PARTIAL ELEVATION (WEST)
SCALE:1/8"=1'–0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

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2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
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11. ELECTRICAL CABINET – SEE ELEC
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49. ADA BETWEEN–CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

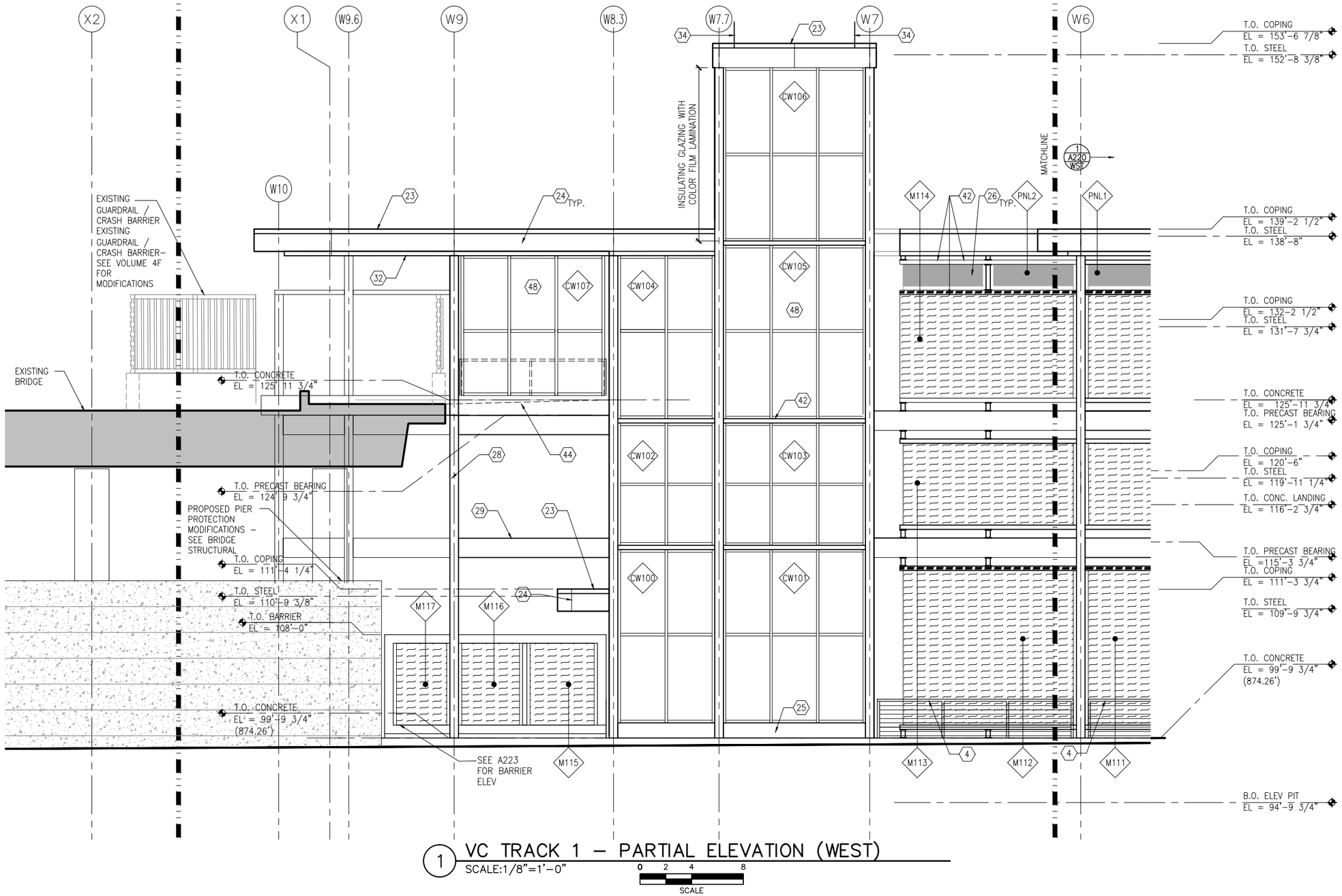
CIVIL - VOLUME 11C
WEST LAKE STATION
VC TRACK 1 - PARTIAL ELEVATION (WEST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-ELV-220

SHEET 361 OF 510

Jan, 18 2016 10:29 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-220.dwg By: V-ZosuleOB



1 VC TRACK 1 – PARTIAL ELEVATION (WEST)
SCALE:1/8"=1'–0"
0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

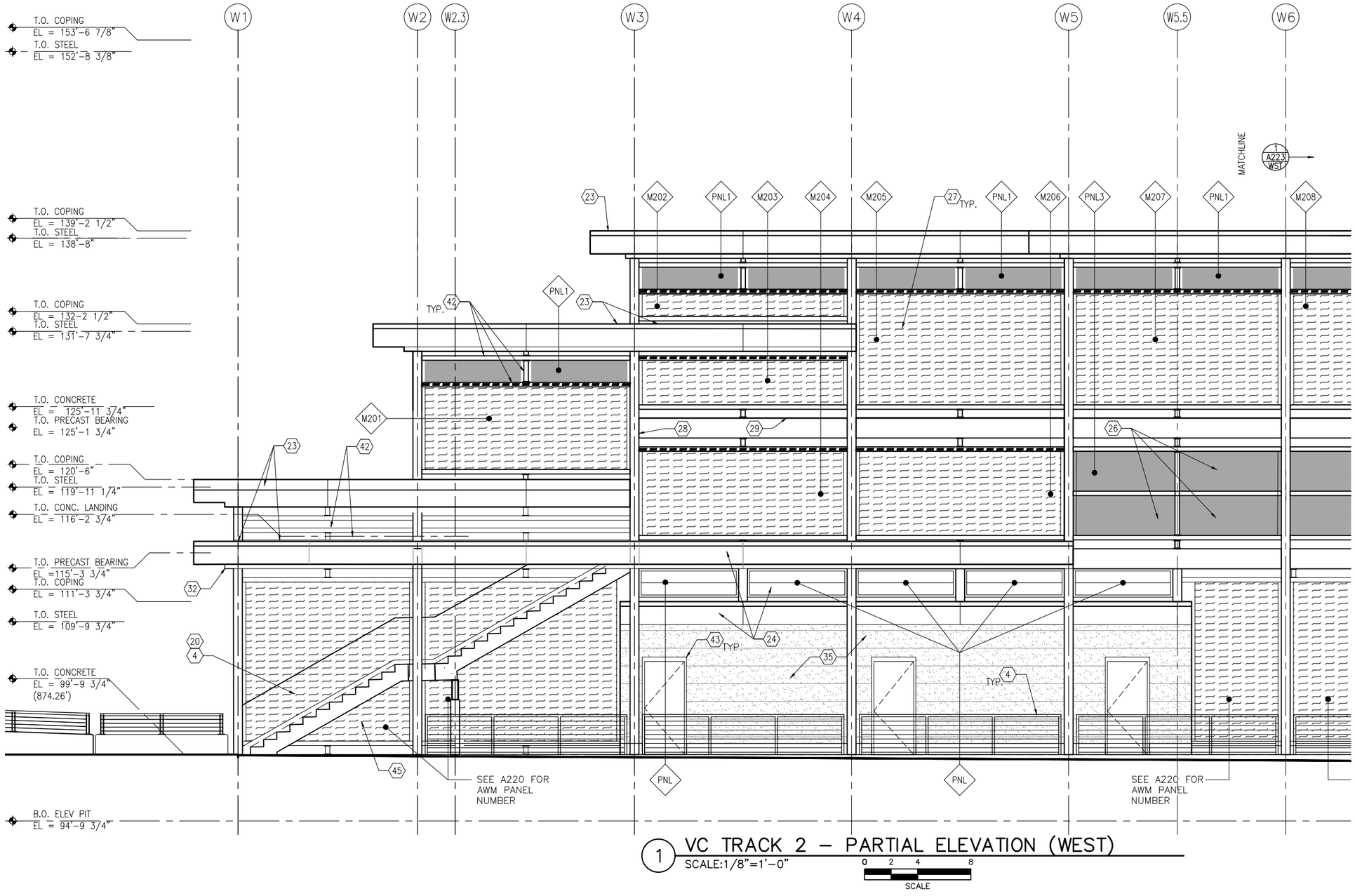
CIVIL - VOLUME 11C
WEST LAKE STATION
VC TRACK 1 - PARTIAL ELEVATION (WEST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-ELV-221

SHEET 362 OF 510

Jan, 18 2016 10:29 am v:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-221.dwg By: V-ZasuleOB



1 VC TRACK 2 – PARTIAL ELEVATION (WEST)
SCALE:1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

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2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
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6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
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48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

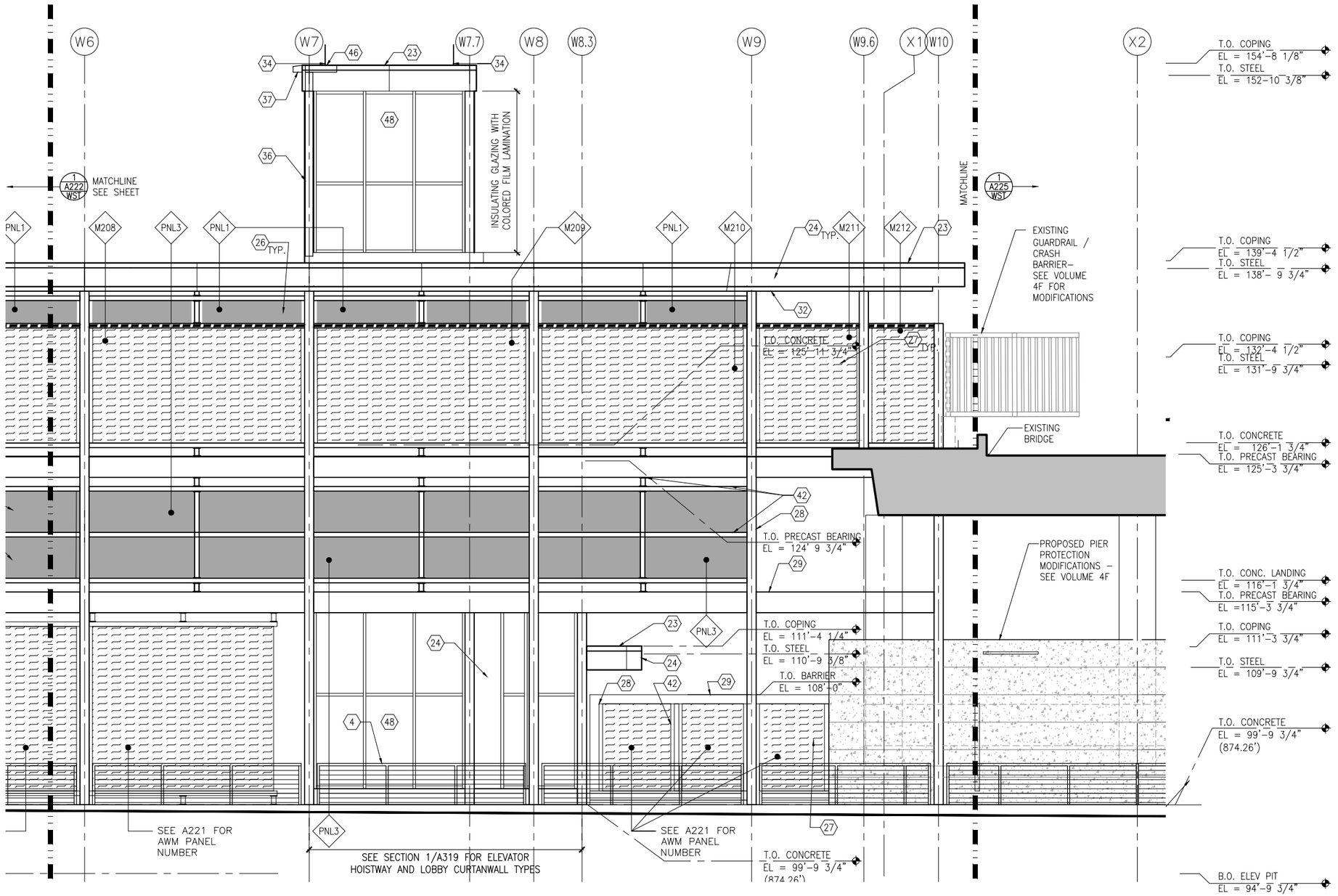
CIVIL - VOLUME 11C
WEST LAKE STATION
VC TRACK 2 -PARTIAL ELEVATION (WEST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-ELV-222

SHEET 363 OF 510

Jan. 18 2016 10:30 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-222.dwg By: V-ZosuleOB



1 VC TRACK 2 – PARTIAL ELEVATION (WEST)
SCALE:1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
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KEY NOTES – ⟨#⟩

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8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
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11. ELECTRICAL CABINET – SEE ELEC
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49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

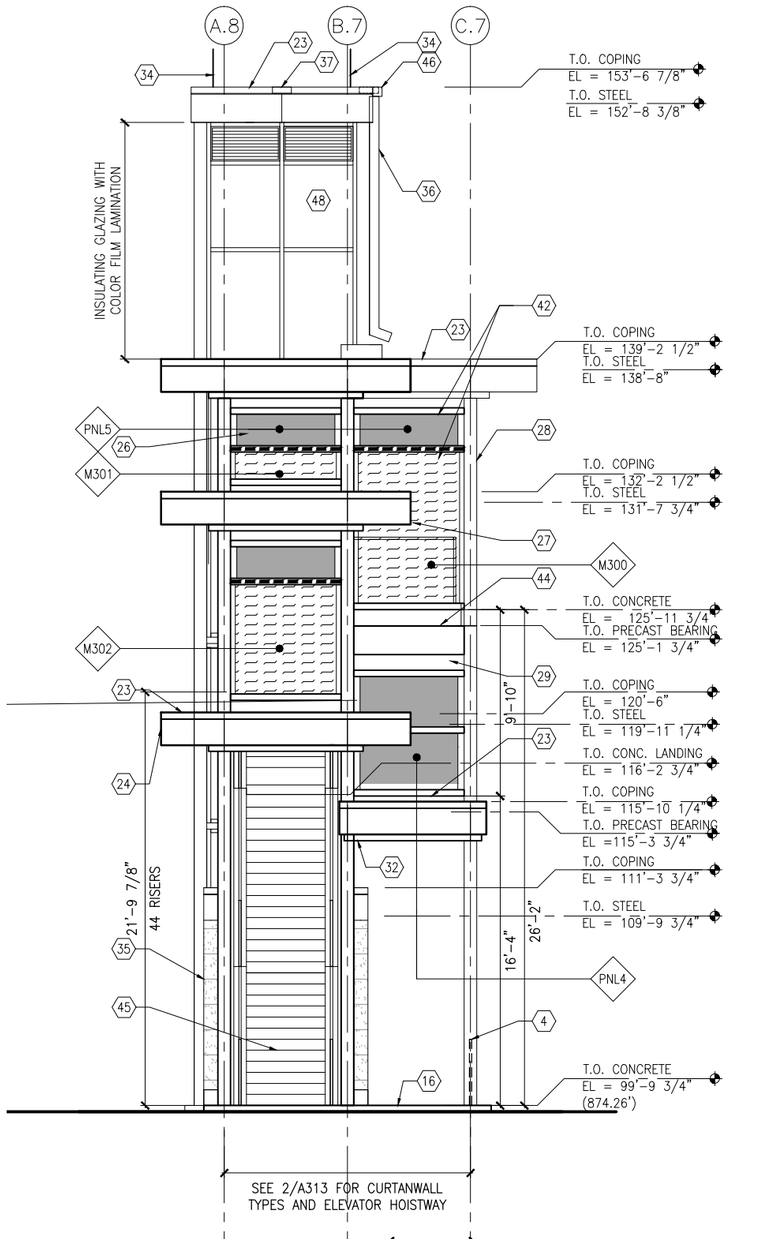
CIVIL - VOLUME 11C
WEST LAKE STATION
VC TRACK 2 - PARTIAL ELEVATION (WEST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-ELV-223

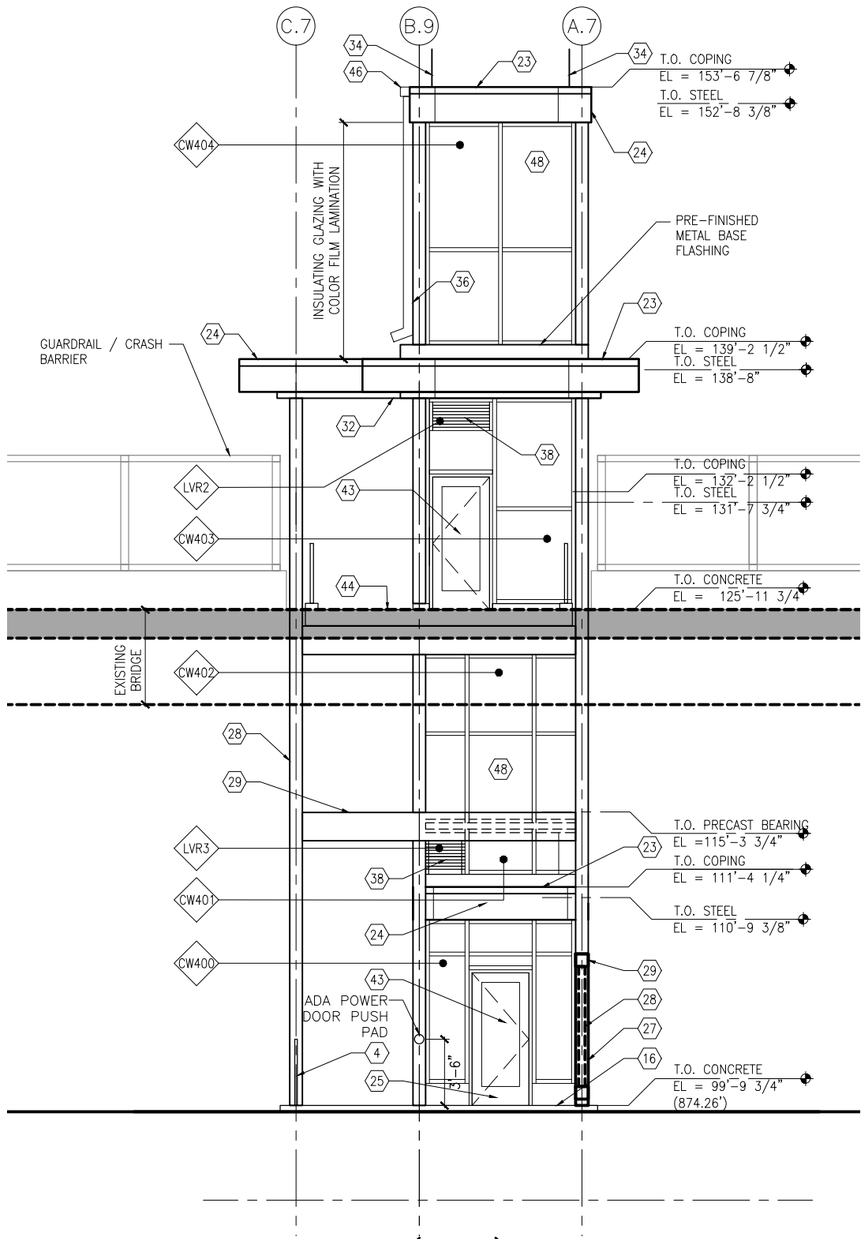
SHEET 364 OF 510

Jan. 18 2016 10:30 am v:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-223.dwg By: V-ZosuieOB



1 VC – SIDE ELEVATION (WEST)
SCALE:1/8"=1'-0"

0 2 4 8
SCALE



2 VC – SIDE ELEVATION (WEST)
SCALE:1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. INTEGRAL COLOR CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. RIDER ALERT PANEL
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. LIGHTNING ROD – SEE ELECTRICAL
35. PC CONC WALL PANEL
36. CAST IRON DOWNSPOUT – PAINT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
41. DOWNSPOUT NOZZLE – SEE PLUMBING
42. SECONDARY STEEL FRAMING – SEE STRUCTURAL
43. DOOR – SEE DOOR SCHEDULE
44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

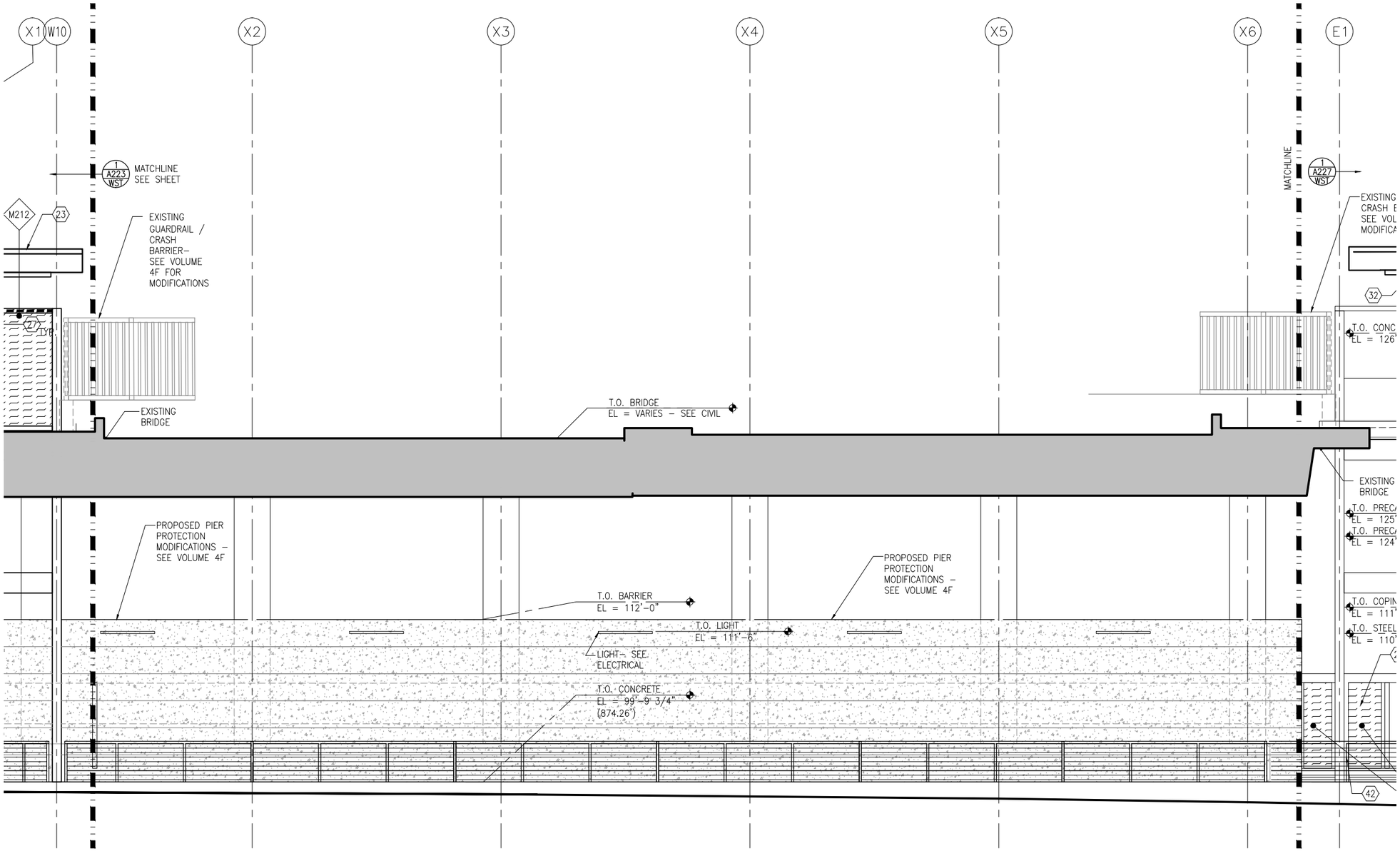
CIVIL - VOLUME 11C
WEST LAKE STATION
VC SIDE ELEVATIONS (WEST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-ELV-224

SHEET 365 OF 510

Jan, 18 2016 10:31 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-224.dwg By: V-ZasueOB



1 VC TRACK 2 – PARTIAL ELEVATION (EAST)
SCALE:1/8"=1'–0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
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14. LEANING RAIL
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45. PC CONC STAIR – SEE STRUCT
46. PRE–FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN–CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

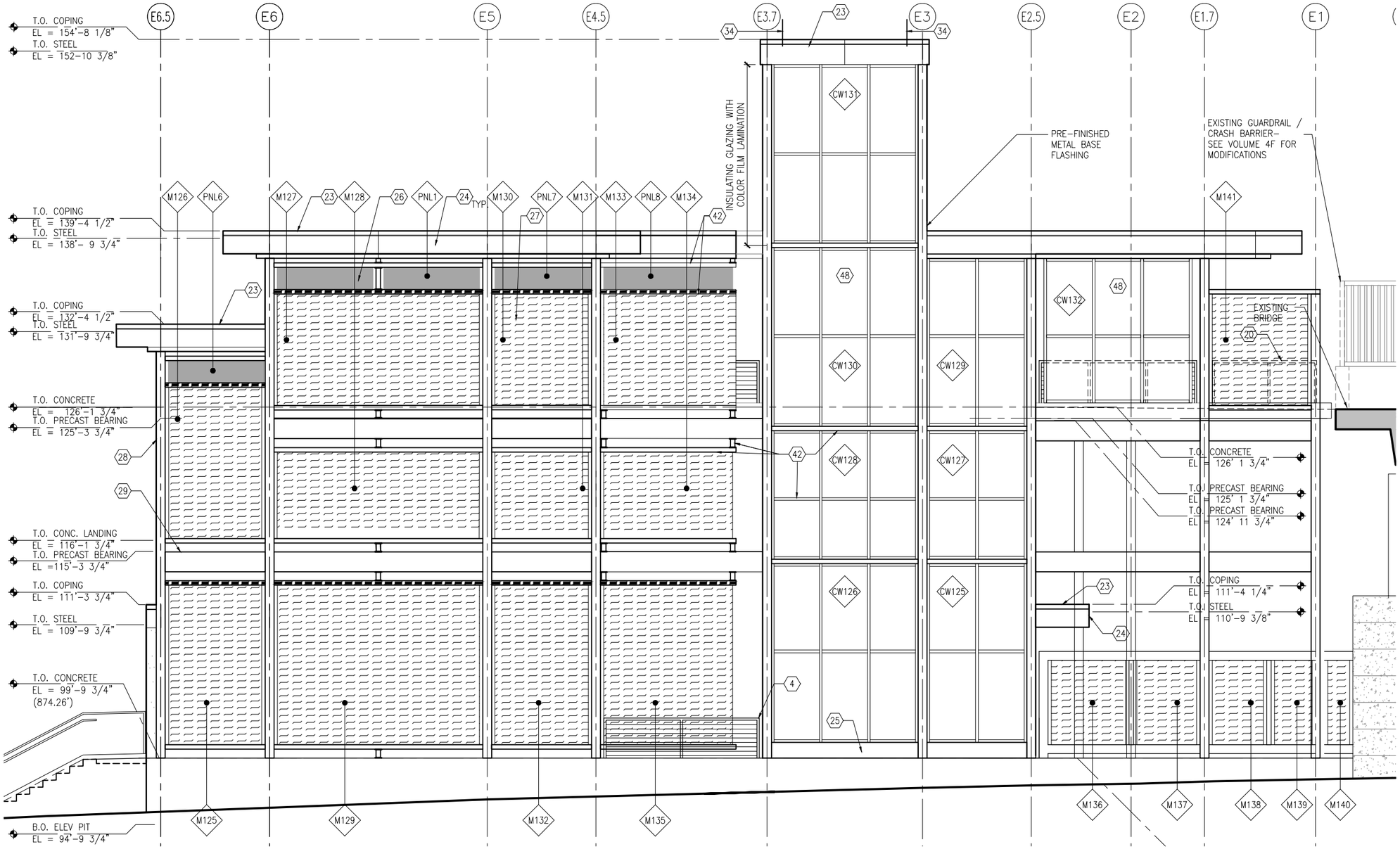
CIVIL - VOLUME 11C
WEST LAKE STATION
VC TRACK 2 - PARTIAL ELEVATION (EAST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-ELV-225

SHEET 366 OF 510

Jan. 18 2016 10:32 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-225.dwg By: V-ZosuleOB



1 VC TRACK 1 – PARTIAL ELEVATION (EAST)
SCALE:1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
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8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
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17. CANOPY ABOVE
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47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

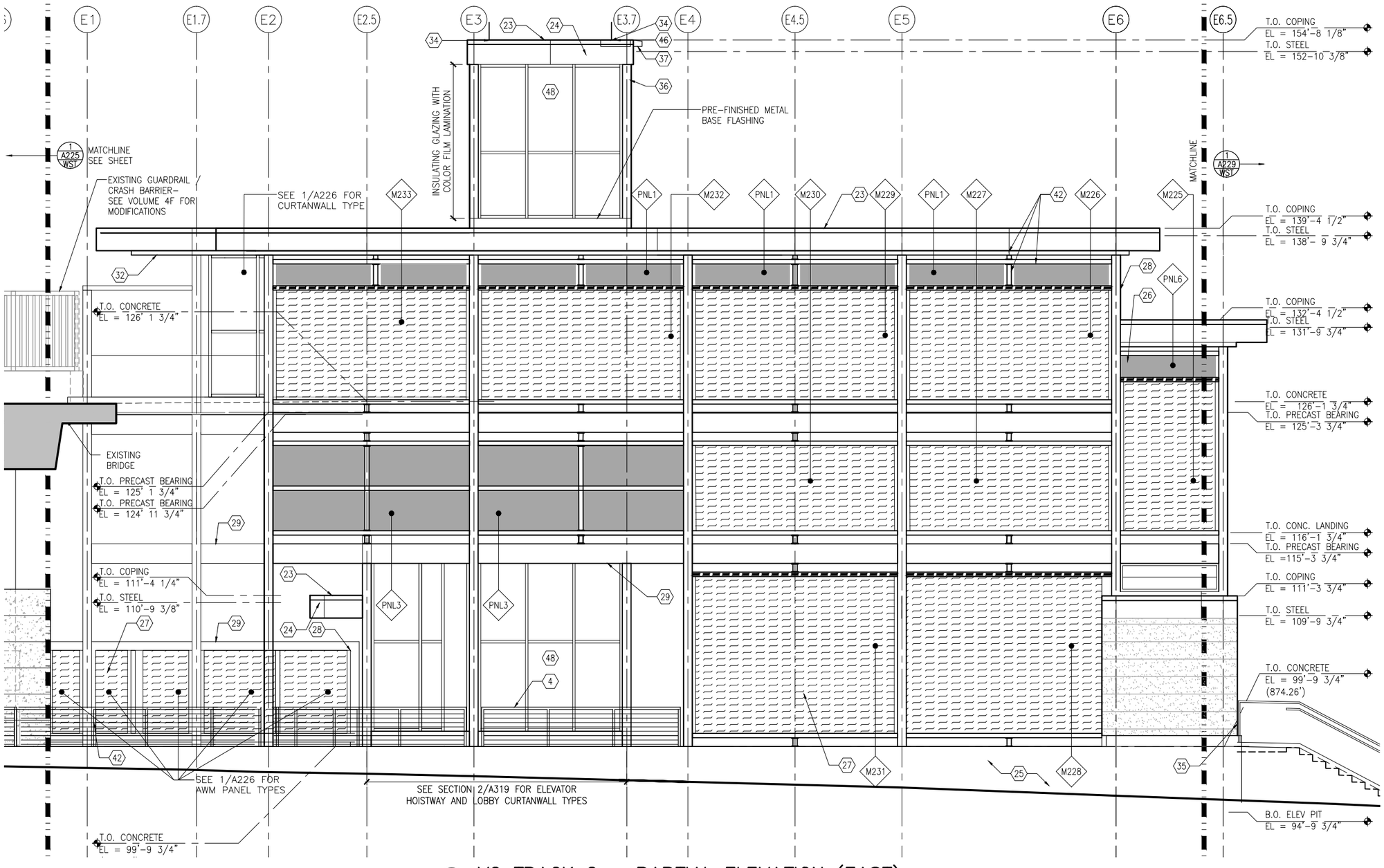
CIVIL - VOLUME 11C
WEST LAKE STATION
VC TRACK 1 - PARTIAL ELEVATION (EAST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-ELV-226

SHEET 367 OF 510

Jan, 18 2016 10:32 am v:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-226.dwg By: V-ZosuleOB



1 VC TRACK 2 – PARTIAL ELEVATION (EAST)
SCALE:1/8"=1'–0"
0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
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6. TICKET VENDING MACHINE – SEE ELEC
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9. EMERGENCY TELEPHONE – SEE ELEC
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11. ELECTRICAL CABINET – SEE ELEC
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13. BENCH
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46. PRE–FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN–CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

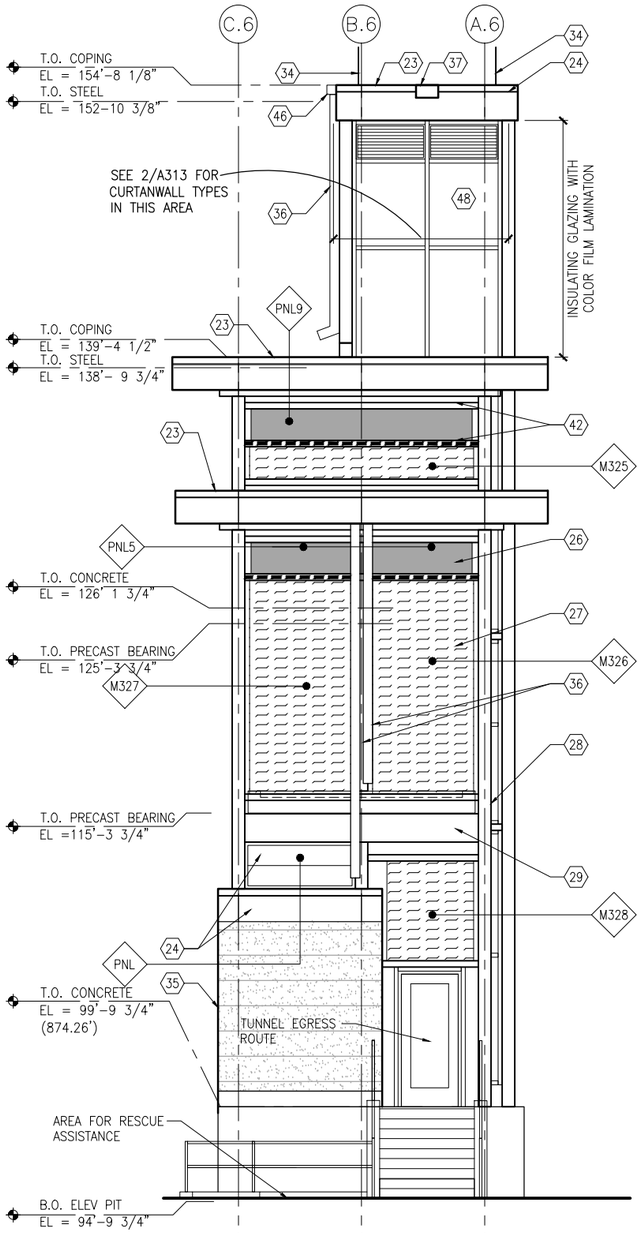
CIVIL - VOLUME 11C
WEST LAKE STATION
VC TRACK 2 - PARTIAL ELEVATION (EAST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-ELV-227

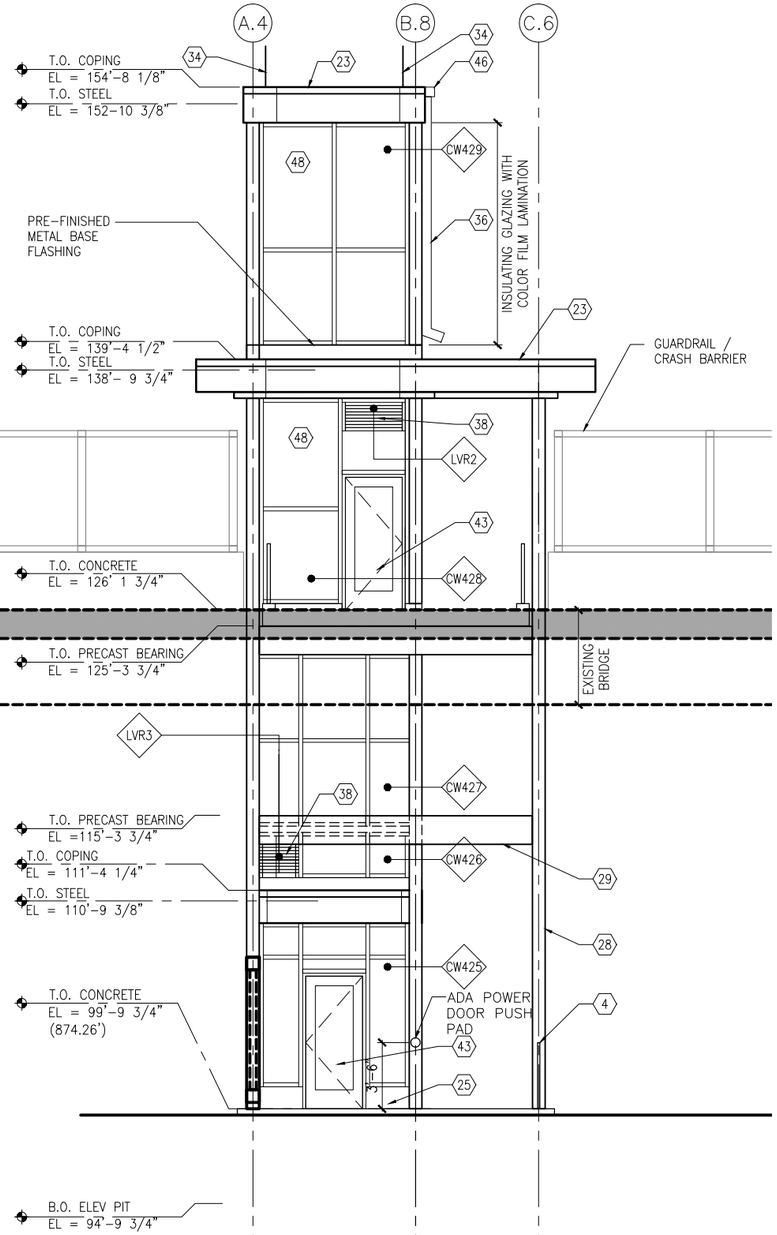
SHEET 368 OF 510

Jan, 18 2016 10:33 am v:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-227.dwg By: V-ZosuleOB



1 VC – SIDE ELEVATION (EAST)
SCALE:1/8"=1'-0"

SCALE 0 2 4 8



2 VC – SIDE ELEVATION (EAST)
SCALE:1/8"=1'-0"

SCALE 0 2 4 8

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. RAIL SMARTCARD VALIDATOR
9. EMERGENCY TELEPHONE – SEE ELEC
10. COMMUNICATION CABINET – SEE ELEC
11. ELECTRICAL CABINET – SEE ELEC
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYS
16. INTEGRAL COLOR CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
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27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
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35. PC CONC WALL PANEL
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38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
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44. PC CONC WALKWAY – SEE STRUCT
45. PC CONC STAIR – SEE STRUCT
46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

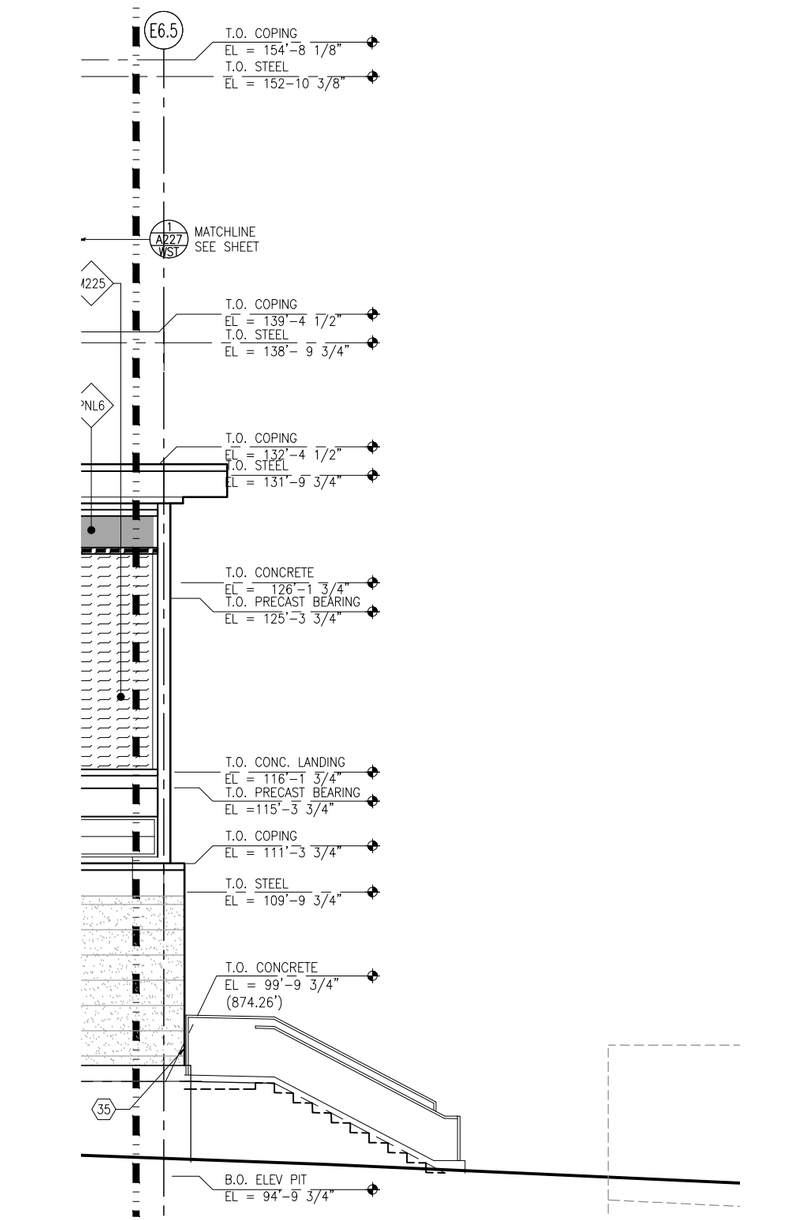
CIVIL - VOLUME 11C
WEST LAKE STATION
VC SIDE ELEVATIONS (EAST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-ELV-228

SHEET 369 OF 510

Jan, 18 2016 10:33 am v:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-228.dwg By: V-ZosuleOB



1 VC TRACK 2 – PARTIAL ELEVATION (EAST)

SCALE:1/8"=1'-0"

0 2 4 8

SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. SPEAKER MOUNTED TO STRUCTURE – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
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8. RAIL SMARTCARD VALIDATOR
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37. PRE-FIN. METAL SCUPPER
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39. LOUVER WITH MOTORIZED DAMPER
40. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
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46. PRE-FINISHED METAL GUTTER
47. FUTURE VARIABLE MESSAGE SIGN LOCATION – SEE ELECTRICAL
48. ALUMINUM CURTAINWALL
49. ADA BETWEEN-CAR BARRIER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

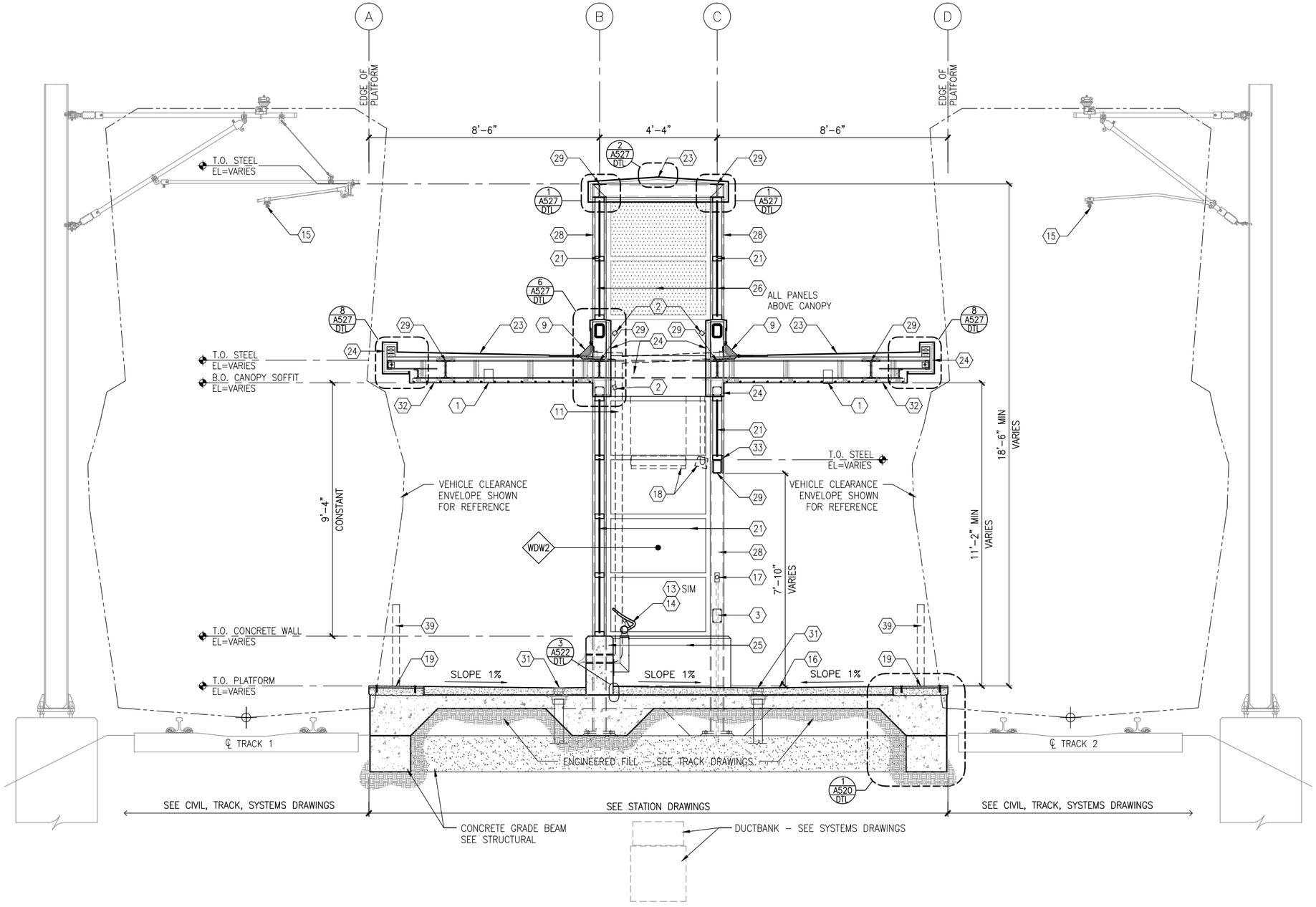
CIVIL - VOLUME 11C
WEST LAKE STATION
VC TRACK 2 - PARTIAL ELEVATION (EAST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-ELV-229

SHEET 370 OF 510

Jan, 18 2016 11:12 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-229.dwg By: v-mccarrtp



1 TYPICAL PLATFORM SECTION

SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA – SEE ELEC
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. EMERGENCY TELEPHONE – SEE ELEC
9. ROOF DRAIN – SEE PLUMBING
10. PRE-FINISHED METAL GUTTER
11. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYSTEMS (NIC)
16. CONCRETE PLATFORM
17. HEATER CONTROL – SEE ELEC
18. INFRARED HEATER – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. AREA DRAIN – SEE PLUMBING
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. PC CONC WALKWAY – SEE STRUCT
35. PC CONC STAIR – SEE STRUCT
36. PC CONC WALL PANEL
37. SECONDARY STEEL FRAMING – SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R– ROOF TYPE – SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

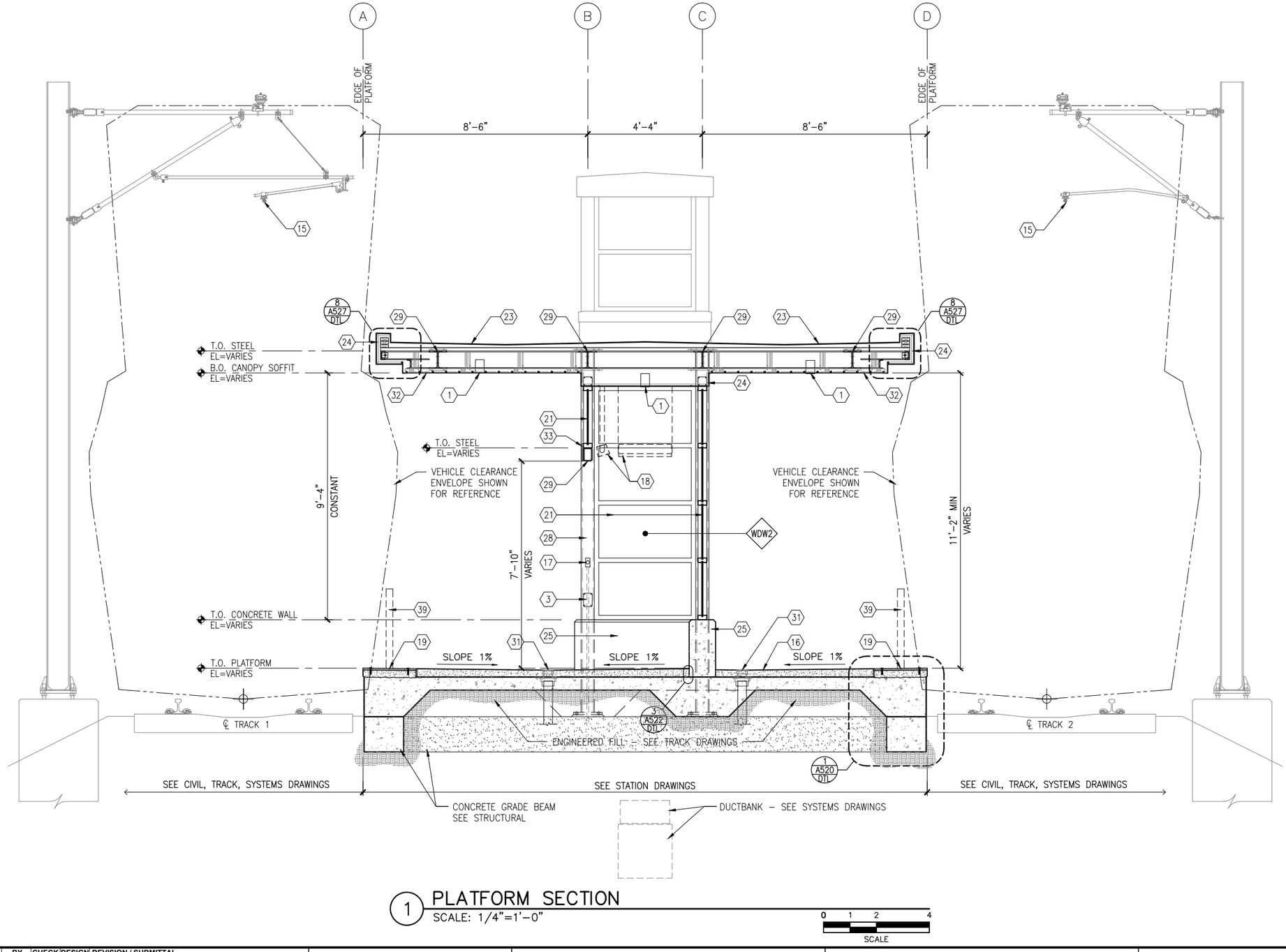
CIVIL - VOLUME 11C
WEST LAKE STATION
TYPICAL PLATFORM SECTION

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-SCT-300

SHEET 371 OF 510

Jan. 18 2016 10:34 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-SCT-300.dwg By: V-ZasulieOB



1 PLATFORM SECTION

SCALE: 1/4"=1'-0"

0 1 2 4

SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA – SEE ELEC
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. EMERGENCY TELEPHONE – SEE ELEC
9. ROOF DRAIN – SEE PLUMBING
10. PRE-FINISHED METAL GUTTER
11. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYSTEMS (NIC)
16. CONCRETE PLATFORM
17. HEATER CONTROL – SEE ELEC
18. INFRARED HEATER – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. CONCRETE WALL
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29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. AREA DRAIN – SEE PLUMBING
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33. STATION SIGNAGE
34. PC CONC WALKWAY – SEE STRUCT
35. PC CONC STAIR – SEE STRUCT
36. PC CONC WALL PANEL
37. SECONDARY STEEL FRAMING – SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R– ROOF TYPE – SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

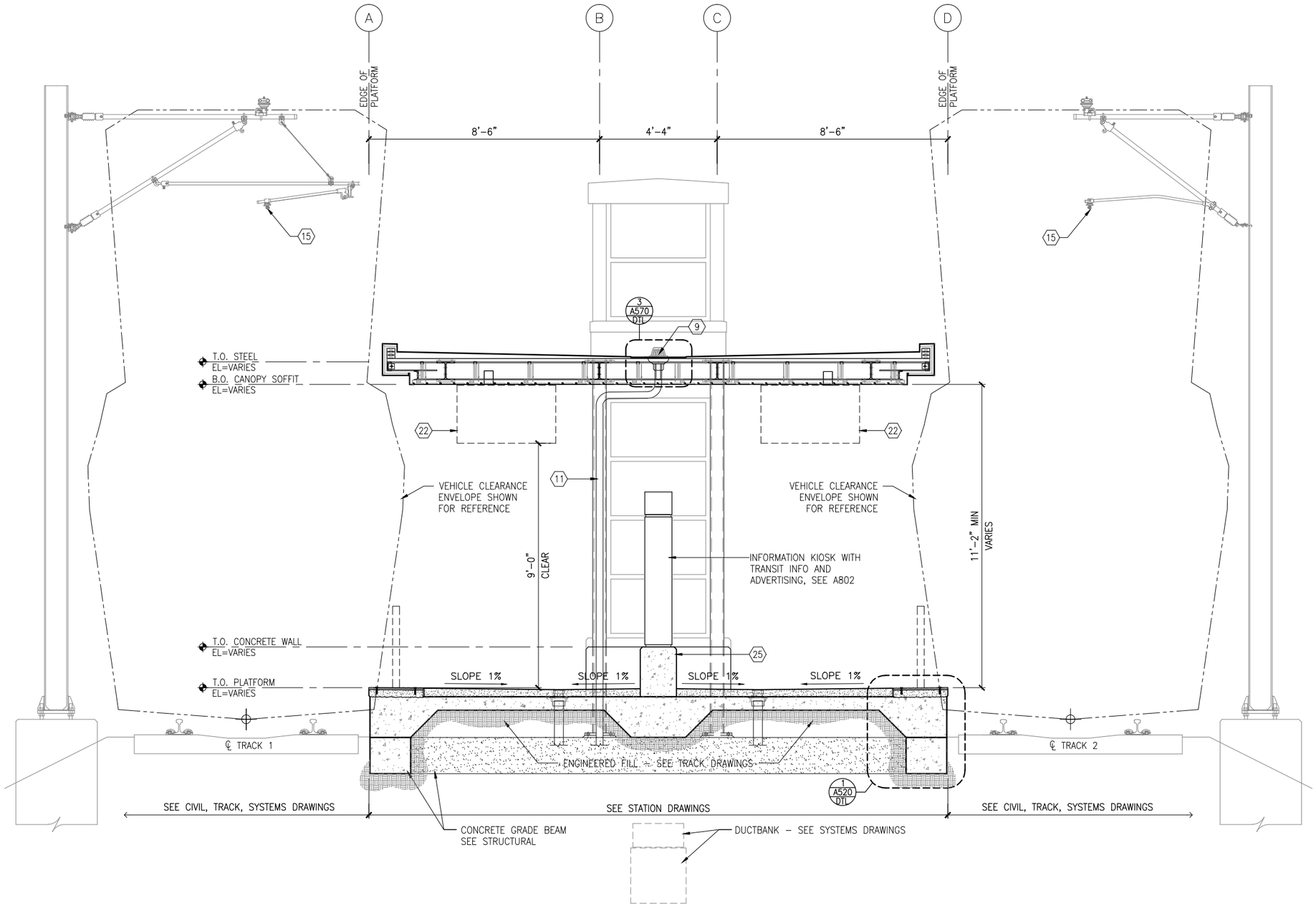
CIVIL - VOLUME 11C
WEST LAKE STATION
PLATFORM SECTION

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-SCT-301

SHEET 372 OF 510

Jan. 18 2016 10:35 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-SCT-301.dwg By: V-ZasueOB



1 PLATFORM SECTION

SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS
4. SEE A300 & A301 FOR SIM NOTES, DIMS

KEY NOTES - ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT - SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE - SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA - SEE ELEC
6. TICKET VENDING MACHINE - SEE ELEC
7. EMERGENCY TELEPHONE LIGHT - SEE ELECTRICAL
8. EMERGENCY TELEPHONE - SEE ELEC
9. ROOF DRAIN - SEE PLUMBING
10. PRE-FINISHED METAL GUTTER
11. PAINTED CAST IRON RAIN WATER LEADER - SEE PLUMBING
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
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18. INFRARED HEATER - SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN - SEE ELEC
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25. CONCRETE WALL
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27. ARCHITECTURAL WOVEN MESH
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29. STEEL BEAM - SEE STRUCTURAL
30. WALL HYDRANT - SEE PLUMBING
31. AREA DRAIN - SEE PLUMBING
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. PC CONC WALKWAY - SEE STRUCT
35. PC CONC STAIR - SEE STRUCT
36. PC CONC WALL PANEL
37. SECONDARY STEEL FRAMING - SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R- ROOF TYPE - SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

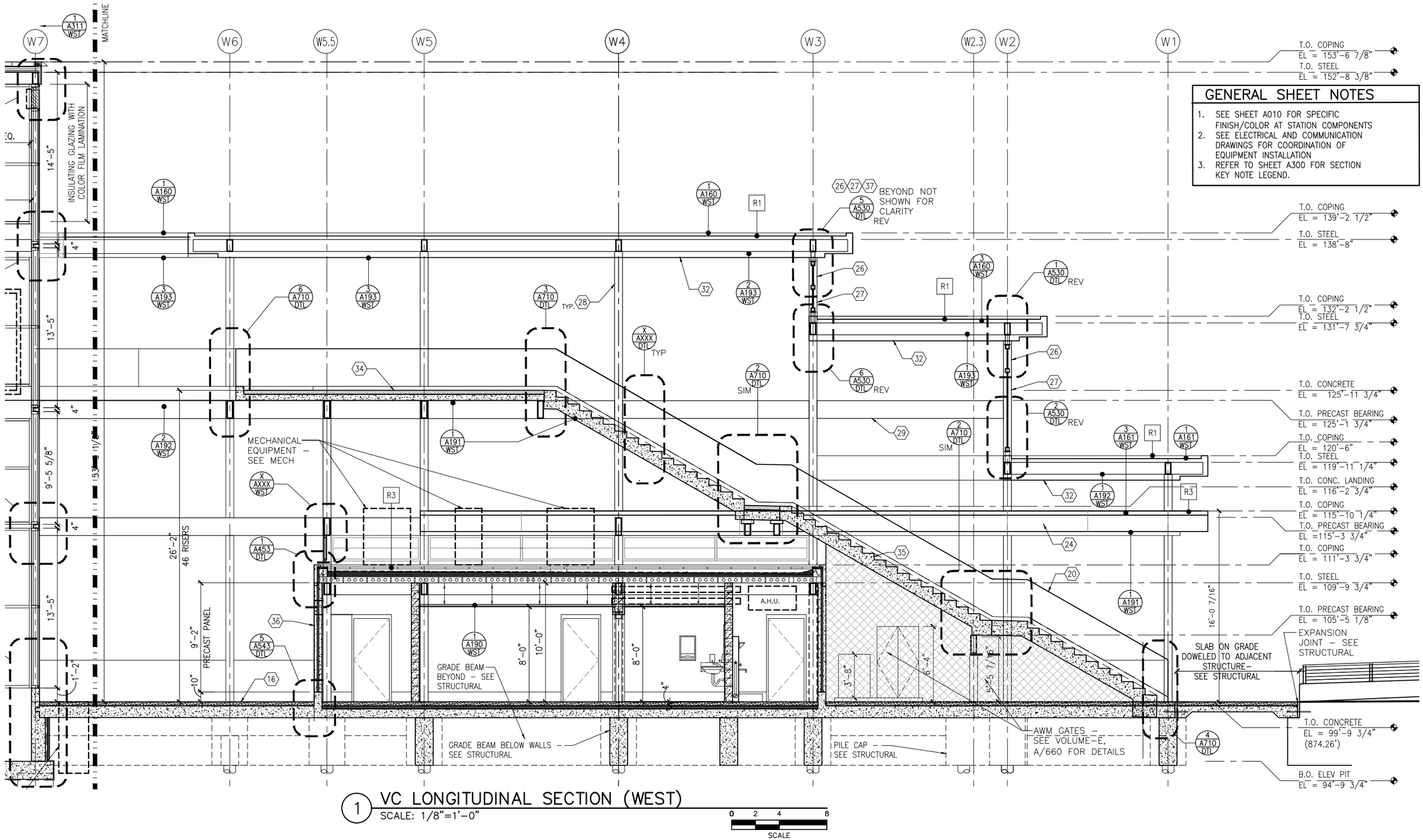
CIVIL - VOLUME 11C
WEST LAKE STATION
PLATFORM SECTION

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-SCT-302

SHEET 373 OF 510

Jan, 18 2016 10:35 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-SCT-302.dwg By: V-ZosuleOB



GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. REFER TO SHEET A300 FOR SECTION KEY NOTE LEGEND.

1 VC LONGITUDINAL SECTION (WEST)
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

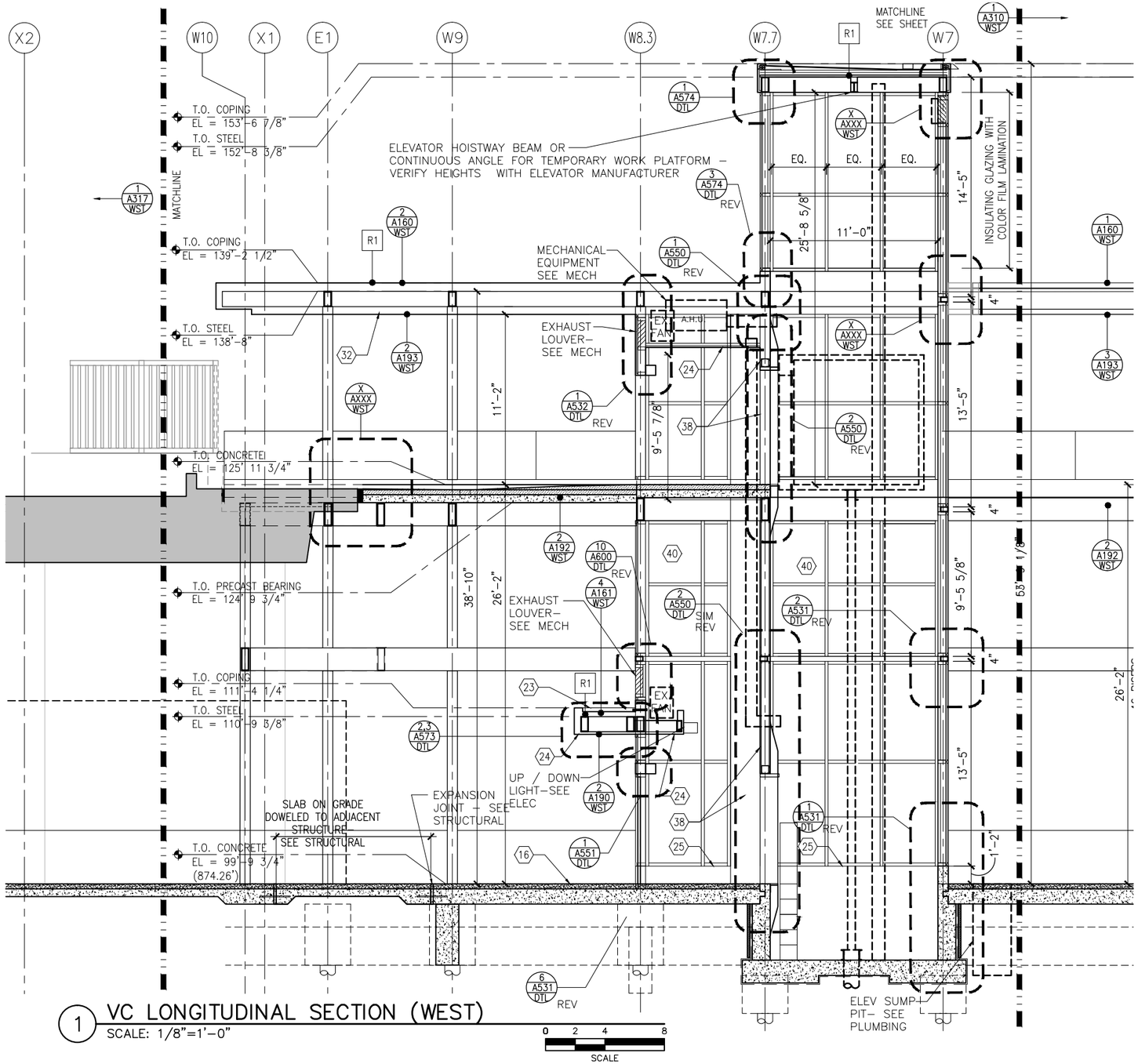
CIVIL - VOLUME 11C
WEST LAKE STATION
VC LONGITUDINAL SECTION (WEST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-SCT-310

SHEET 374 OF 510

Jan. 18 2016 10:36 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-SCT-310.dwg By: V-ZasuieOB



1 VC LONGITUDINAL SECTION (WEST)
SCALE: 1/8"=1'–0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA – SEE ELEC
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. EMERGENCY TELEPHONE – SEE ELEC
9. ROOF DRAIN – SEE PLUMBING
10. PRE–FINISHED METAL GUTTER
11. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
12. PRE–FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYSTEMS (NIC)
16. CONCRETE PLATFORM
17. HEATER CONTROL – SEE ELEC
18. INFRARED HEATER – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. AREA DRAIN – SEE PLUMBING
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. PC CONC WALKWAY – SEE STRUCT
35. PC CONC STAIR – SEE STRUCT
36. PC CONC WALL PANEL
37. SECONDARY STEEL FRAMING – SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN–CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R– ROOF TYPE – SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

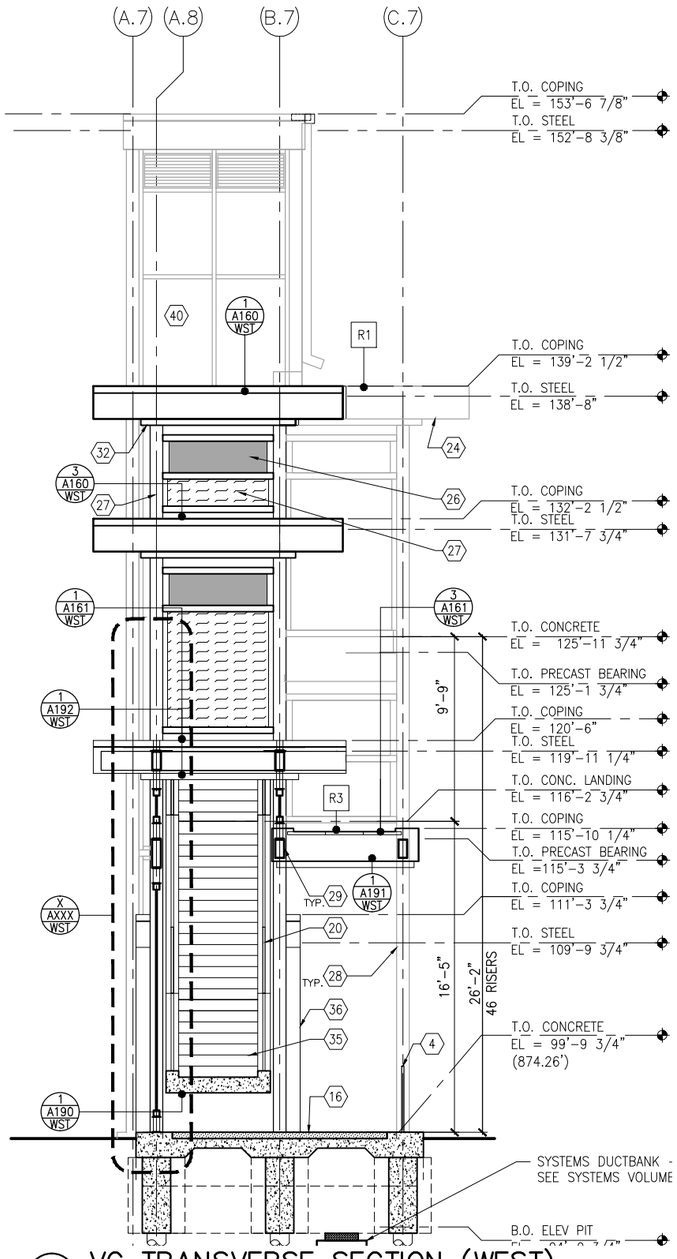
CIVIL - VOLUME 11C
WEST LAKE STATION
VC LONGITUDINAL SECTION (WEST)

DISCIPLINE: ARCHITECTURE

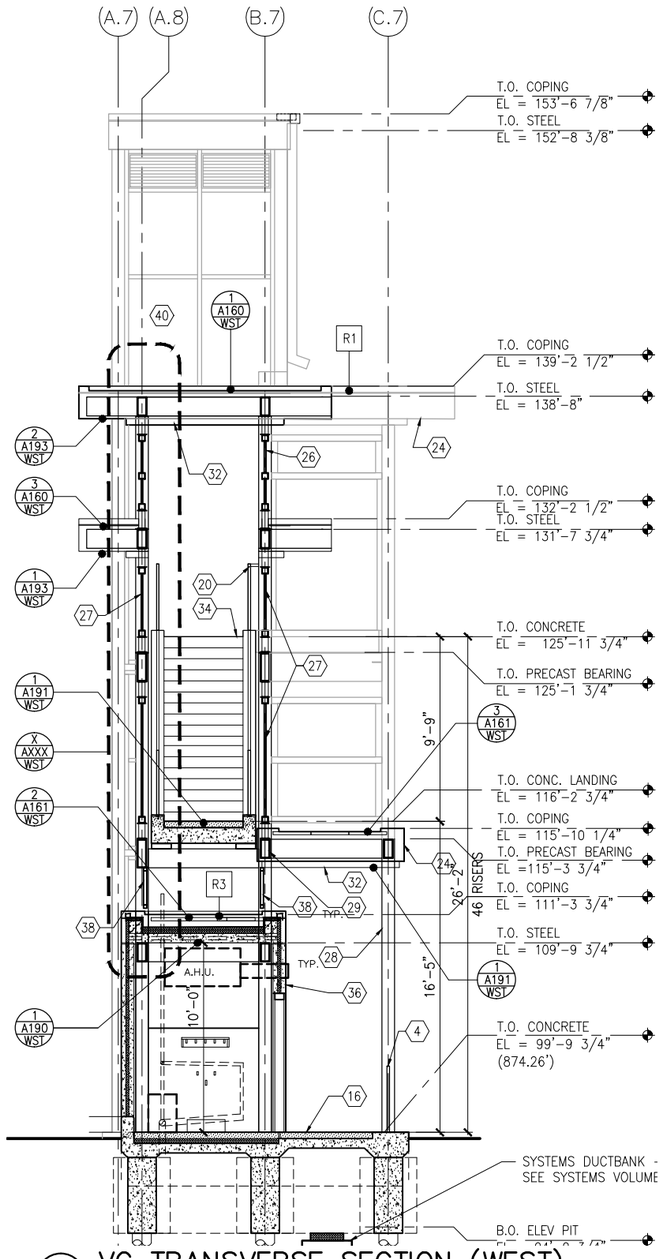
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SHEET 375 OF 510

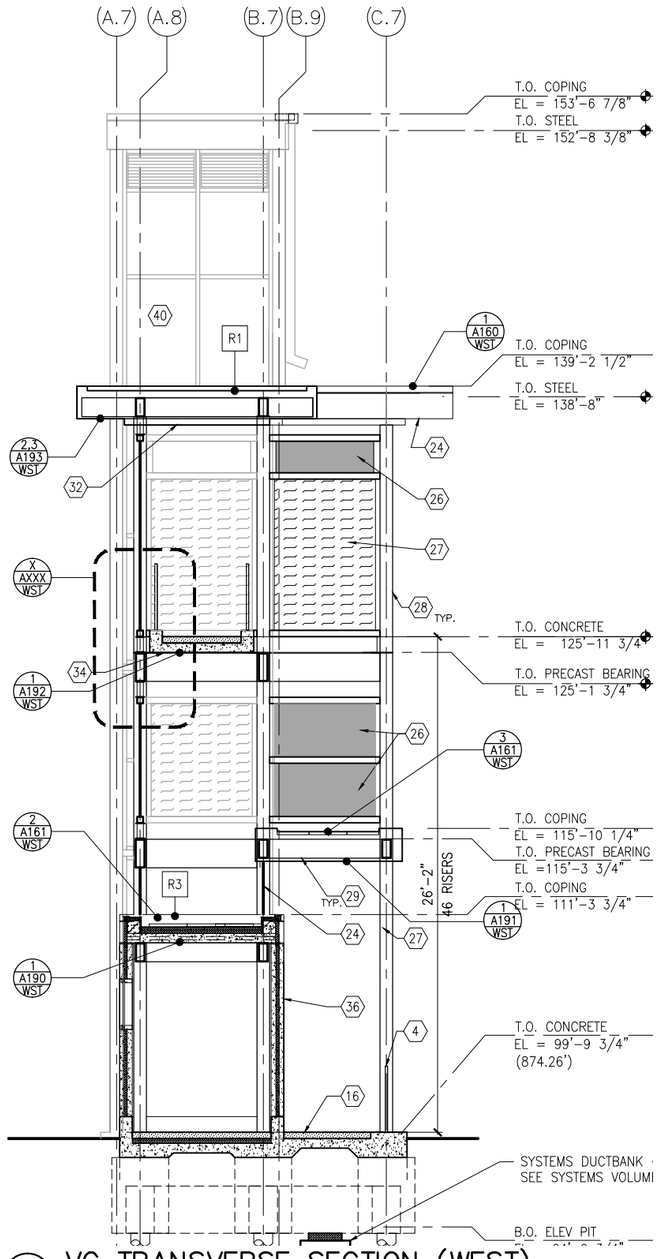
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1 VC TRANSVERSE SECTION (WEST)
SCALE: 1/8"=1'-0" (AT GRID W1.5)



2 VC TRANSVERSE SECTION (WEST)
SCALE: 1/8"=1'-0" (AT GRID W3.3)



3 VC TRANSVERSE SECTION (WEST)
SCALE: 1/8"=1'-0" (AT GRID W4.7)

SCALE 0 2 4 8

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA – SEE ELEC
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. EMERGENCY TELEPHONE – SEE ELEC
9. ROOF DRAIN – SEE PLUMBING
10. PRE-FINISHED METAL GUTTER
11. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYSTEMS (NIC)
16. CONCRETE PLATFORM
17. HEATER CONTROL – SEE ELEC
18. INFRARED HEATER – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. AREA DRAIN – SEE PLUMBING
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. PC CONC WALKWAY – SEE STRUCT
35. PC CONC STAIR – SEE STRUCT
36. PC CONC WALL PANEL
37. SECONDARY STEEL FRAMING – SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R- ROOF TYPE – SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

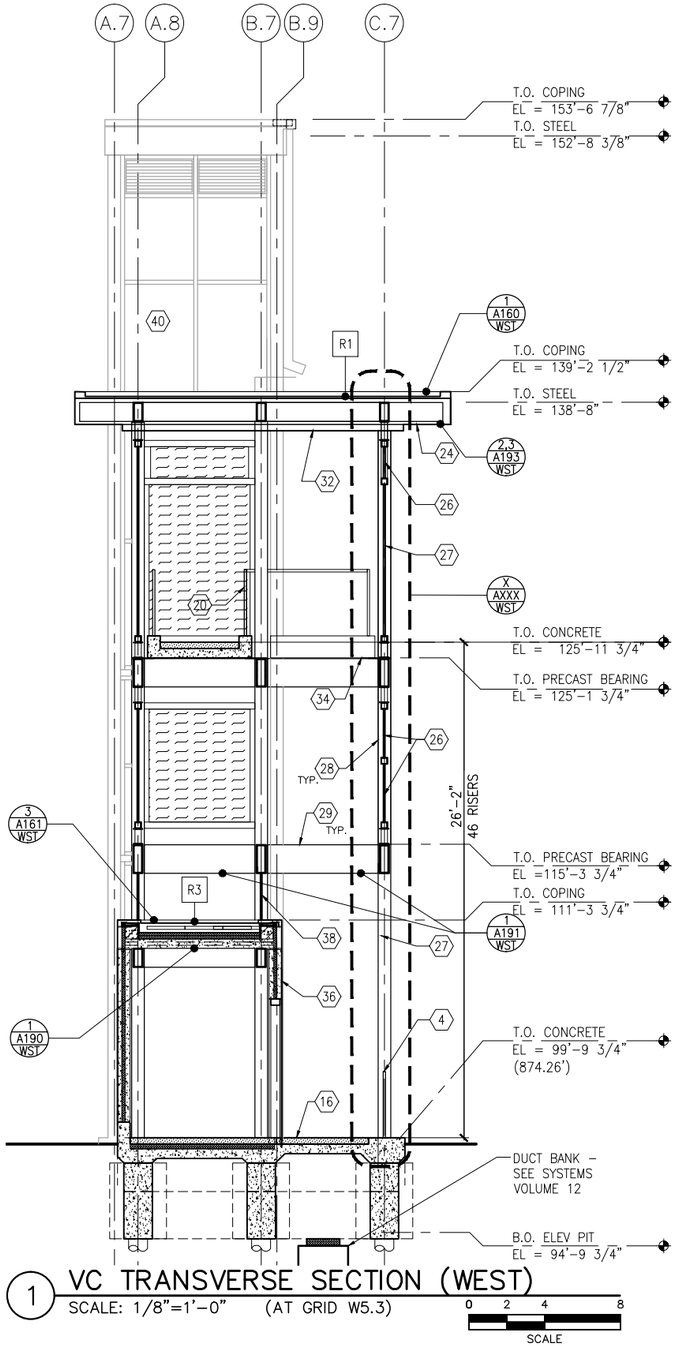
CIVIL - VOLUME 11C
WEST LAKE STATION
VC SECTIONS (WEST)

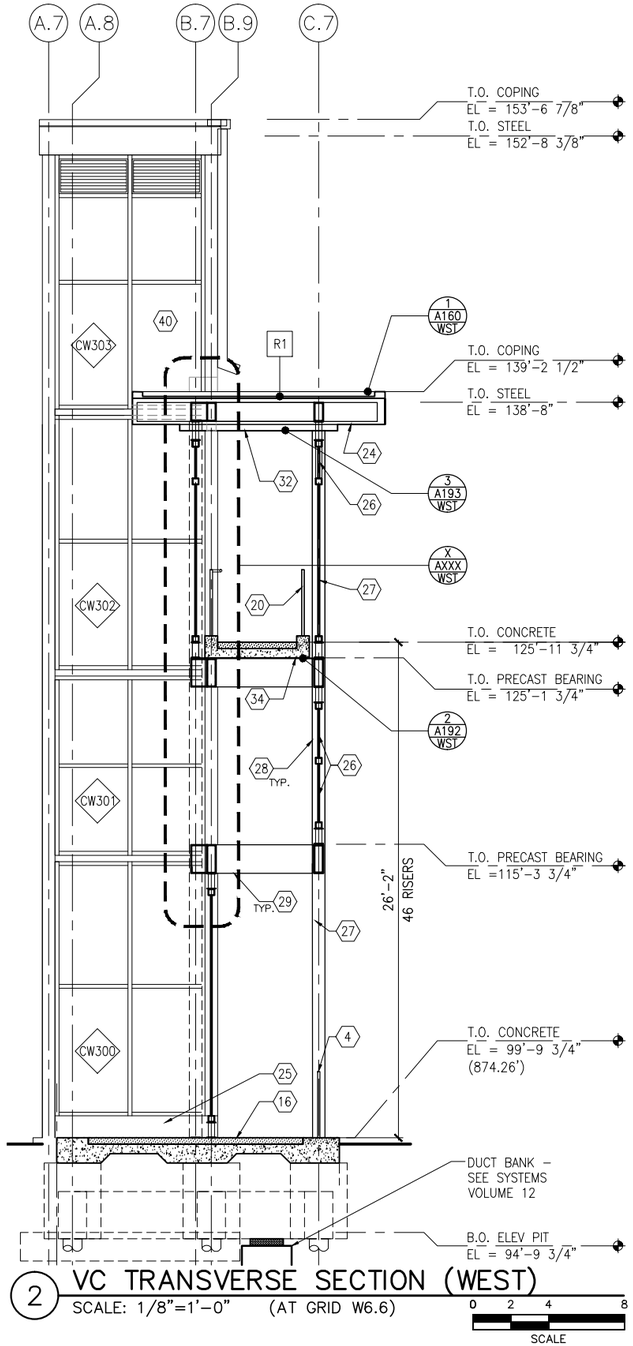
DISCIPLINE: ARCHITECTURE

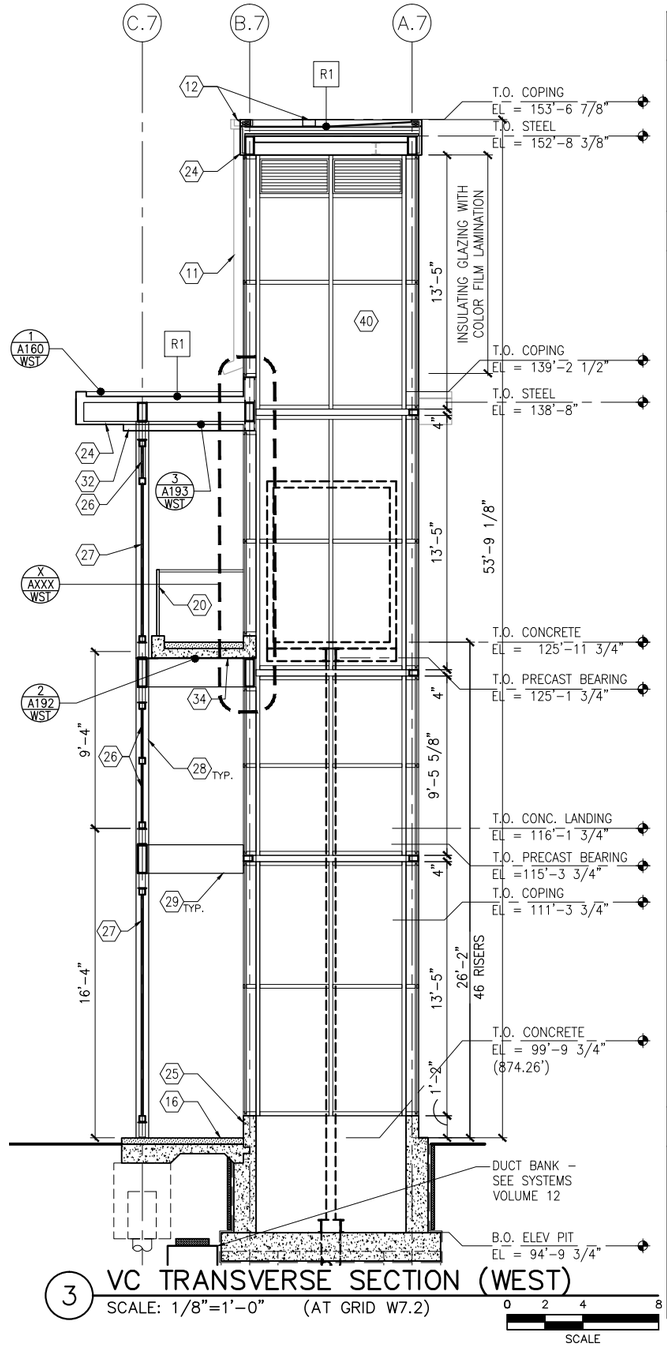
SHEET NAME: E3-WST-ARC-SCT-312

SHEET 376 OF 510

Jan. 18 2016 10:37 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-SCT-312.dwg By: V-ZasuleOB







GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA – SEE ELEC
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. EMERGENCY TELEPHONE – SEE ELEC
9. ROOF DRAIN – SEE PLUMBING
10. PRE-FINISHED METAL GUTTER
11. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYSTEMS (NIC)
16. CONCRETE PLATFORM
17. HEATER CONTROL – SEE ELEC
18. INFRARED HEATER – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
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38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R- ROOF TYPE – SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

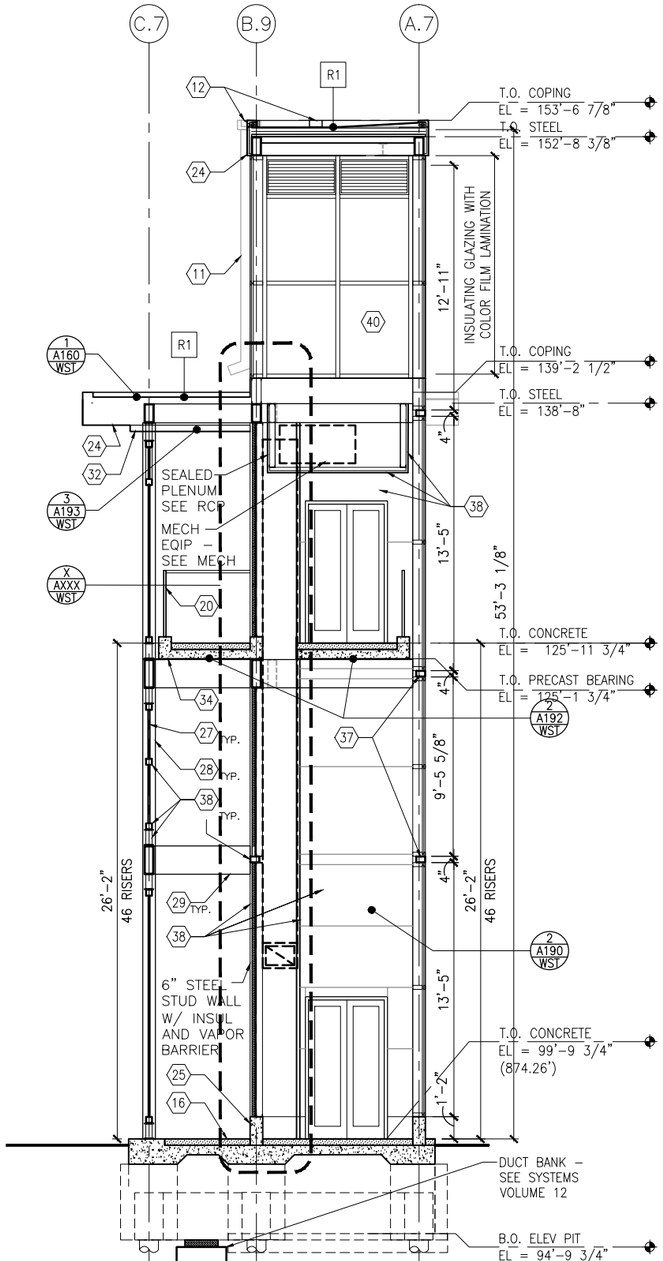
CIVIL - VOLUME 11C
WEST LAKE STATION
VC SECTIONS (WEST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-SCT-313

SHEET 377 OF 510

Jan, 18 2016 10:38 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-SCT-313.dwg By: V-ZasuleOB

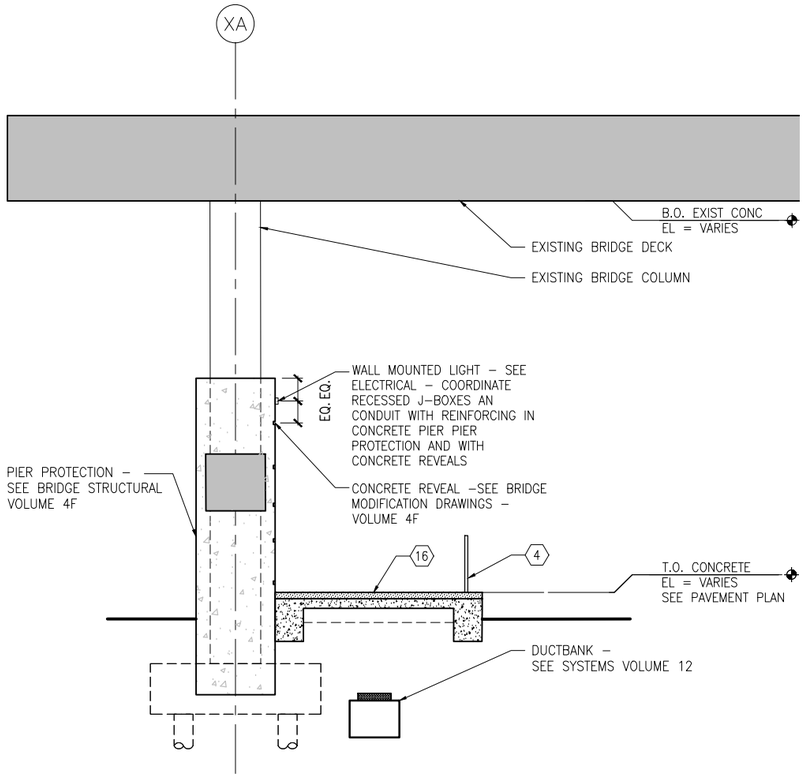


1 VC TRANSVERSE SECTION (WEST)
SCALE: 1/8"=1'-0" (AT GRID W7.8)

0 2 4 8
SCALE

2 NOT USED
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



3 VC TRANSVERSE SECTION (EAST)
SCALE: 1/8"=1'-0" (AT GRID 3.2)

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES - ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT - SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE - SEE ELECTRICAL
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6. TICKET VENDING MACHINE - SEE ELEC
7. EMERGENCY TELEPHONE LIGHT - SEE ELECTRICAL
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11. PAINTED CAST IRON RAIN WATER LEADER - SEE PLUMBING
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16. CONCRETE PLATFORM
17. HEATER CONTROL - SEE ELEC
18. INFRARED HEATER - SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN - SEE ELEC
23. ROOFING - REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN - SEE STRUCTURAL
29. STEEL BEAM - SEE STRUCTURAL
30. WALL HYDRANT - SEE PLUMBING
31. AREA DRAIN - SEE PLUMBING
32. EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
33. STATION SIGNAGE
34. PC CONC WALKWAY - SEE STRUCT
35. PC CONC STAIR - SEE STRUCT
36. PC CONC WALL PANEL
37. SECONDARY STEEL FRAMING - SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R- ROOF TYPE - SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

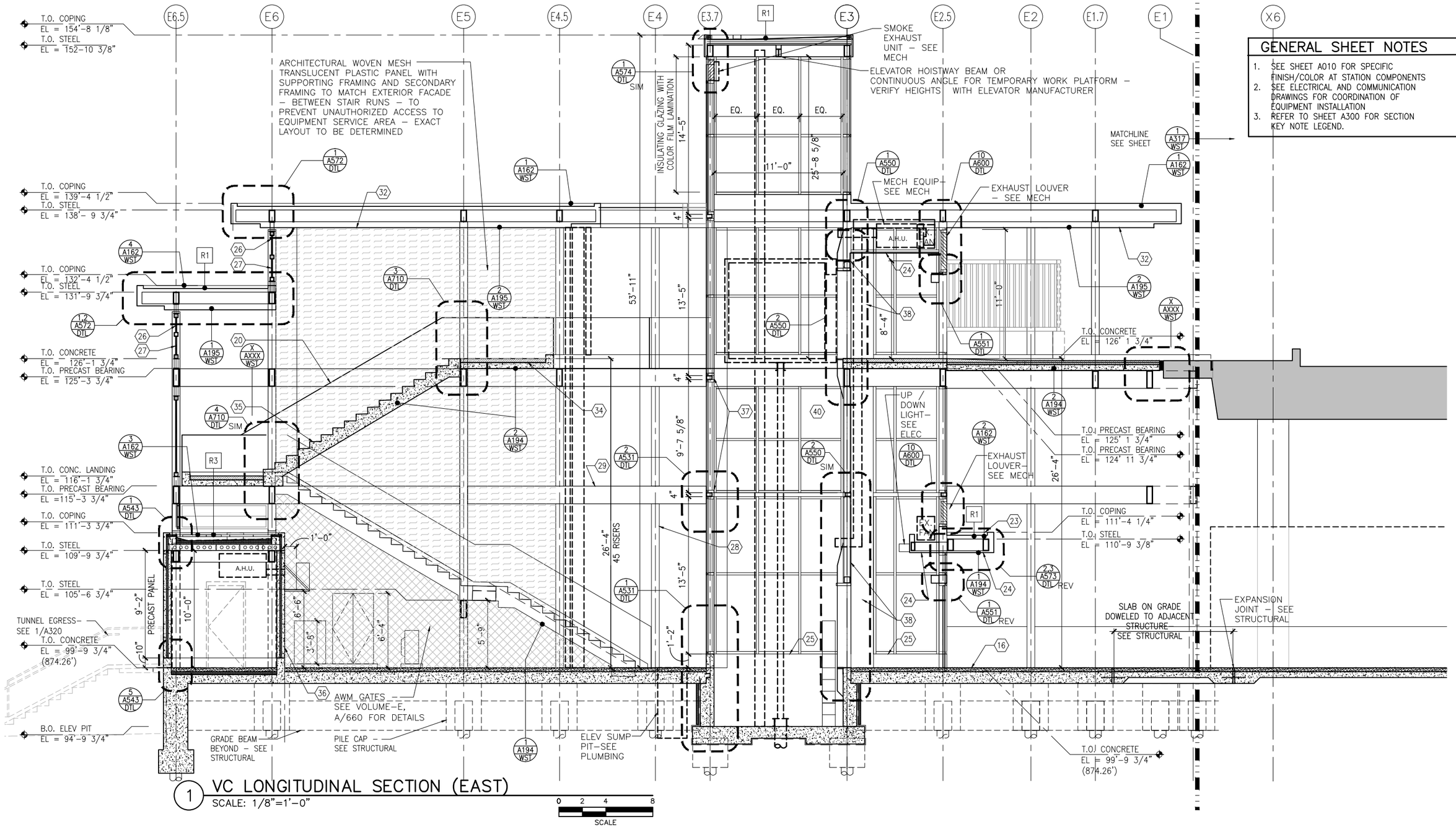
CIVIL - VOLUME 11C
WEST LAKE STATION
VC SECTIONS (WEST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-SCT-314

SHEET 378 OF 510

Jan, 18 2016 10:38 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-SCT-314.dwg By: V-ZasuleOB



1 VC LONGITUDINAL SECTION (EAST)
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. REFER TO SHEET A300 FOR SECTION KEY NOTE LEGEND.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

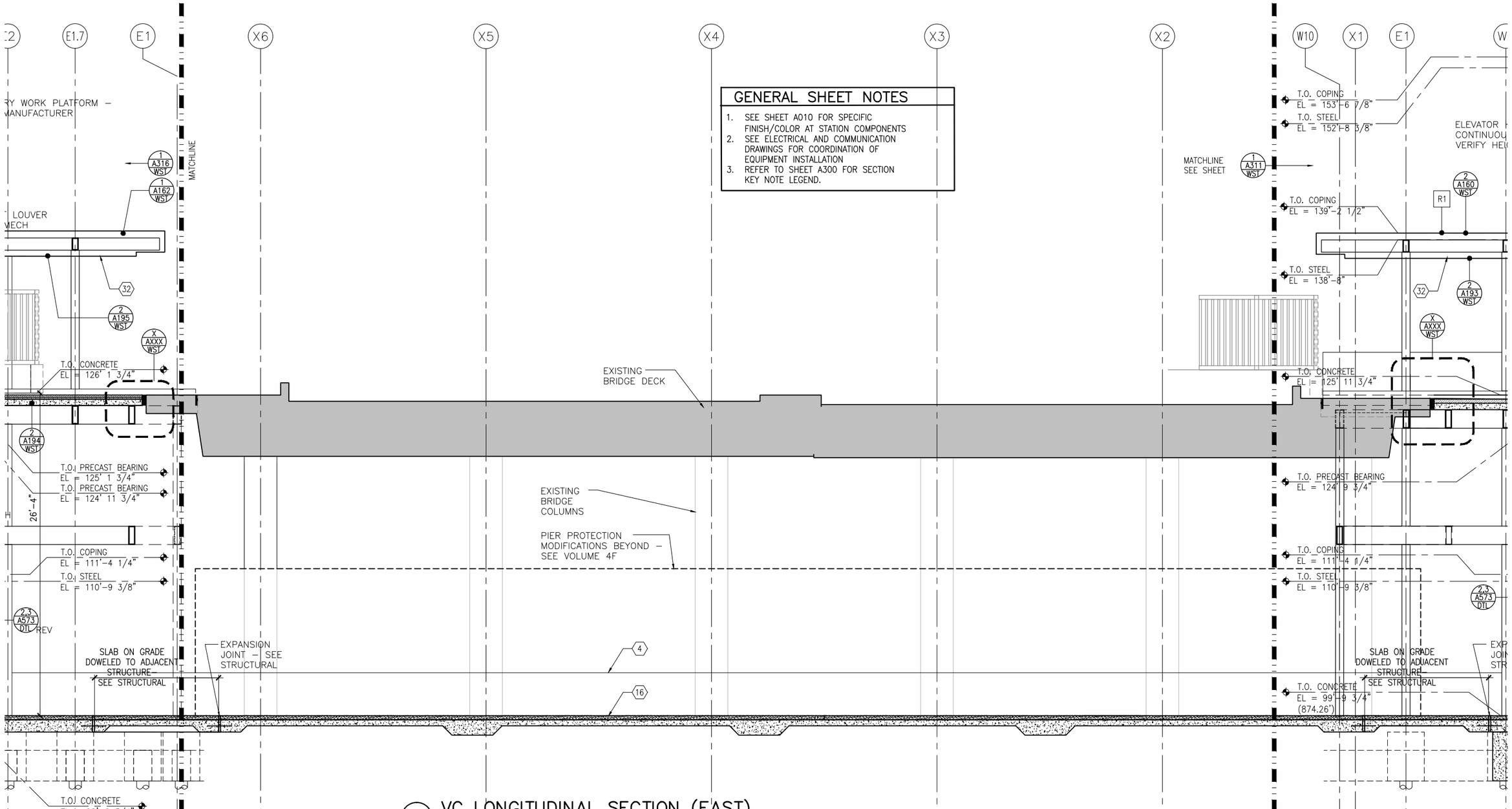
CIVIL - VOLUME 11C
WEST LAKE STATION
VC LONGITUDINAL SECTION (EAST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-SCT-316

SHEET 379 OF 510

Jan, 18 2016 10:39 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-SCT-316.dwg By: V-ZasueOB



1 VC LONGITUDINAL SECTION (EAST)
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

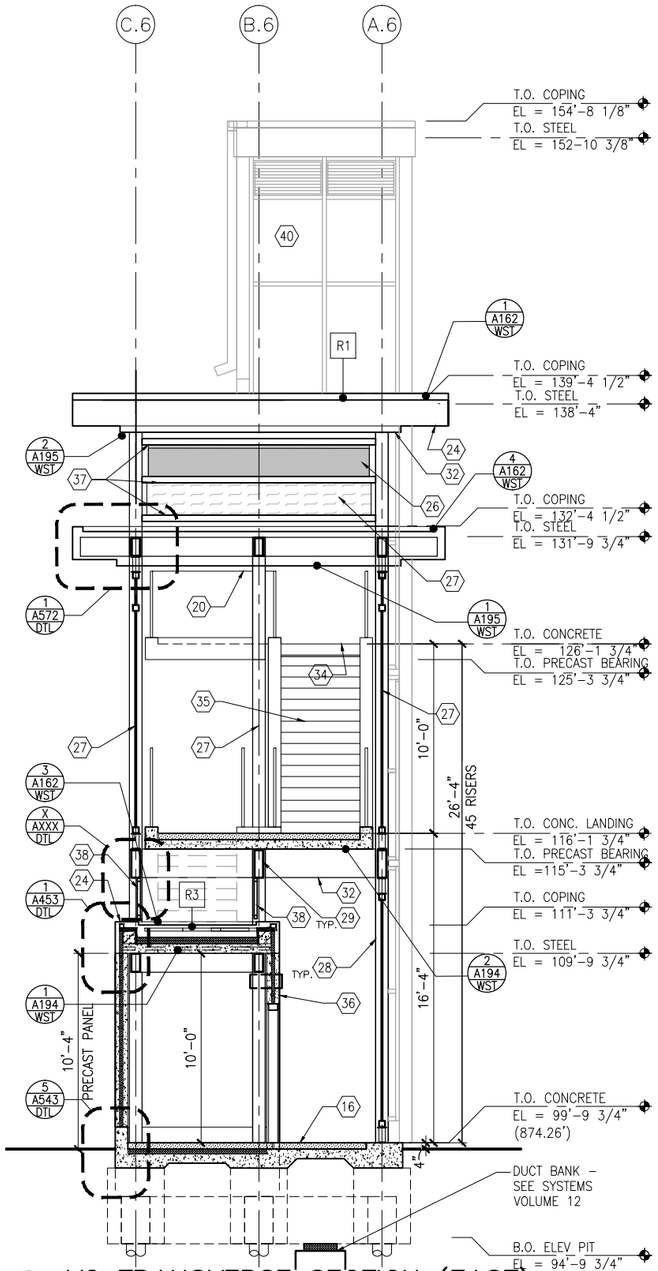
CIVIL - VOLUME 11C
WEST LAKE STATION
VC LONGITUDINAL SECTION (EAST)

DISCIPLINE: ARCHITECTURE

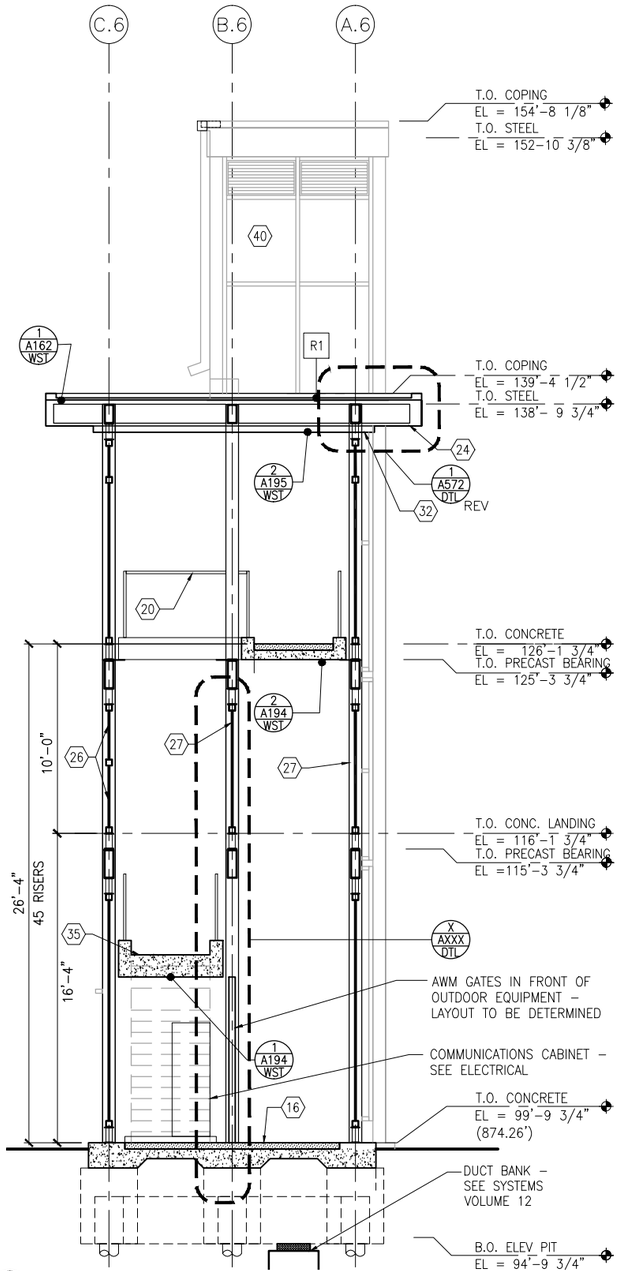
SHEET NAME: E3-WST-ARC-SCT-317

SHEET 380 OF 510

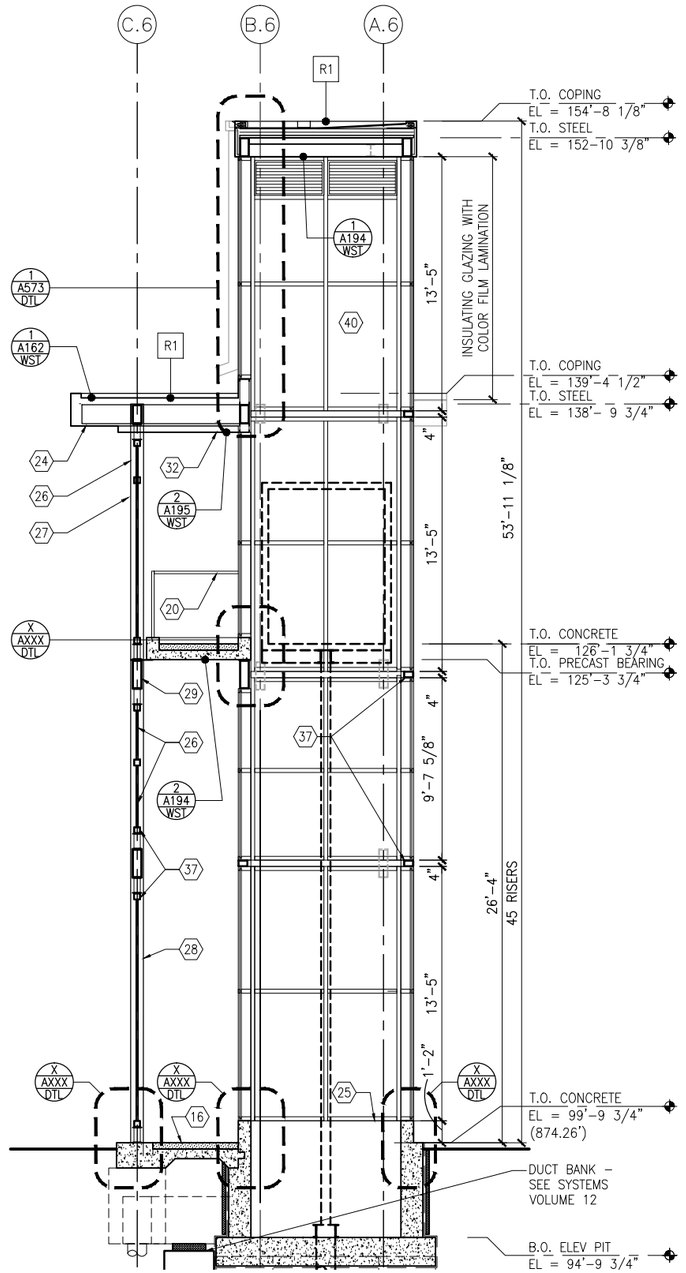
Jan, 18 2016 10:39 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-SCT-317.dwg By: V-ZasuleOB



1 VC TRANSVERSE SECTION (EAST)
SCALE: 1/8"=1'-0" (AT GRID E6.3)



2 VC TRANSVERSE SECTION (EAST)
SCALE: 1/8"=1'-0" (AT GRID E5.1)



3 VC TRANSVERSE SECTION (EAST)
SCALE: 1/8"=1'-0" (AT GRID E3.5)

SCALE
0 2 4 8

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA – SEE ELEC
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. EMERGENCY TELEPHONE – SEE ELEC
9. ROOF DRAIN – SEE PLUMBING
10. PRE-FINISHED METAL GUTTER
11. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYSTEMS (NIC)
16. CONCRETE PLATFORM
17. HEATER CONTROL – SEE ELEC
18. INFRARED HEATER – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN – SEE ELEC
23. ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
24. ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
25. CONCRETE WALL
26. TRANSLUCENT PLASTIC PANEL
27. ARCHITECTURAL WOVEN MESH
28. STEEL COLUMN – SEE STRUCTURAL
29. STEEL BEAM – SEE STRUCTURAL
30. WALL HYDRANT – SEE PLUMBING
31. AREA DRAIN – SEE PLUMBING
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33. STATION SIGNAGE
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35. PC CONC STAIR – SEE STRUCT
36. PC CONC WALL PANEL
37. SECONDARY STEEL FRAMING – SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R- ROOF TYPE – SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

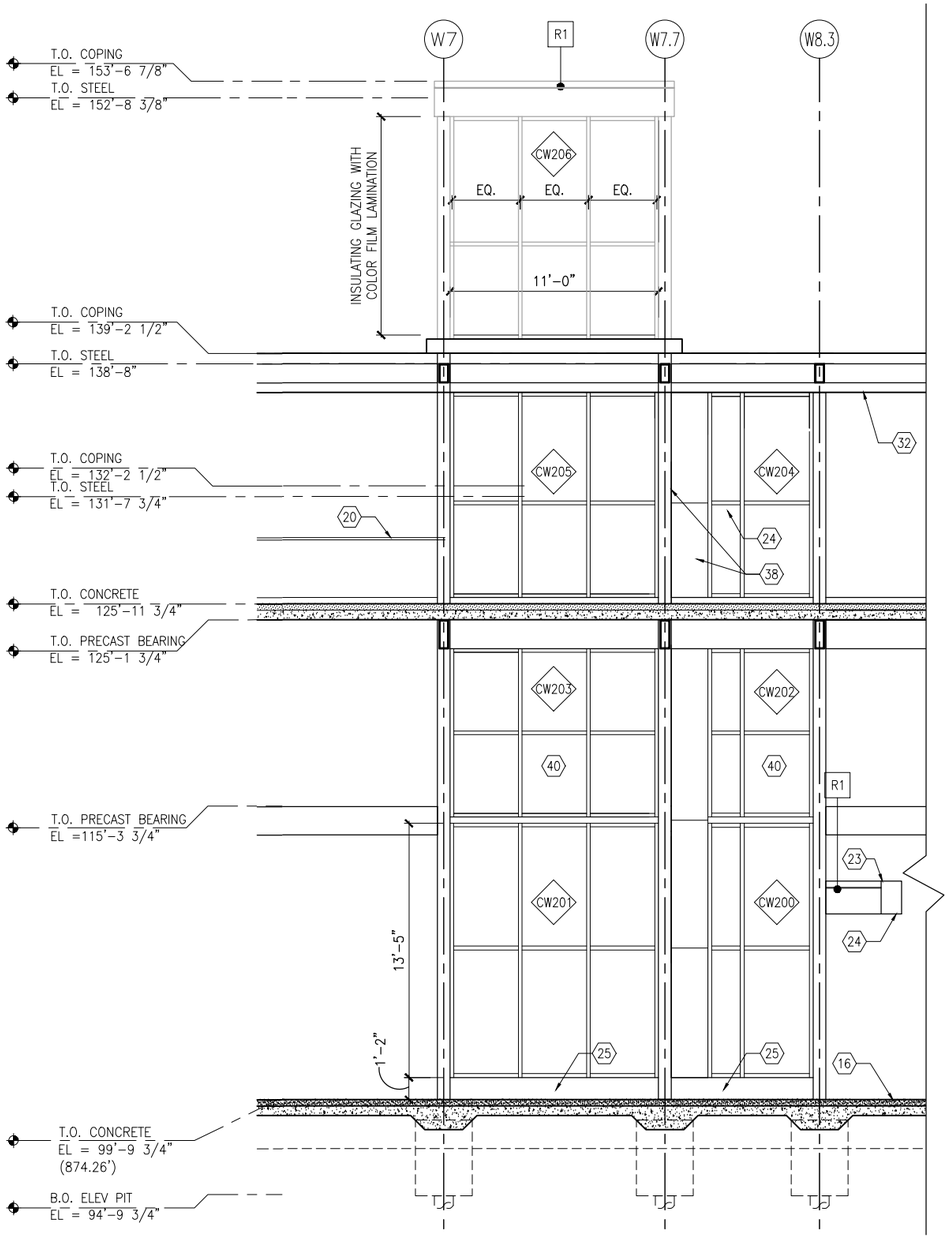
CIVIL - VOLUME 11C
WEST LAKE STATION
VC SECTION (EAST)

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-SCT-318

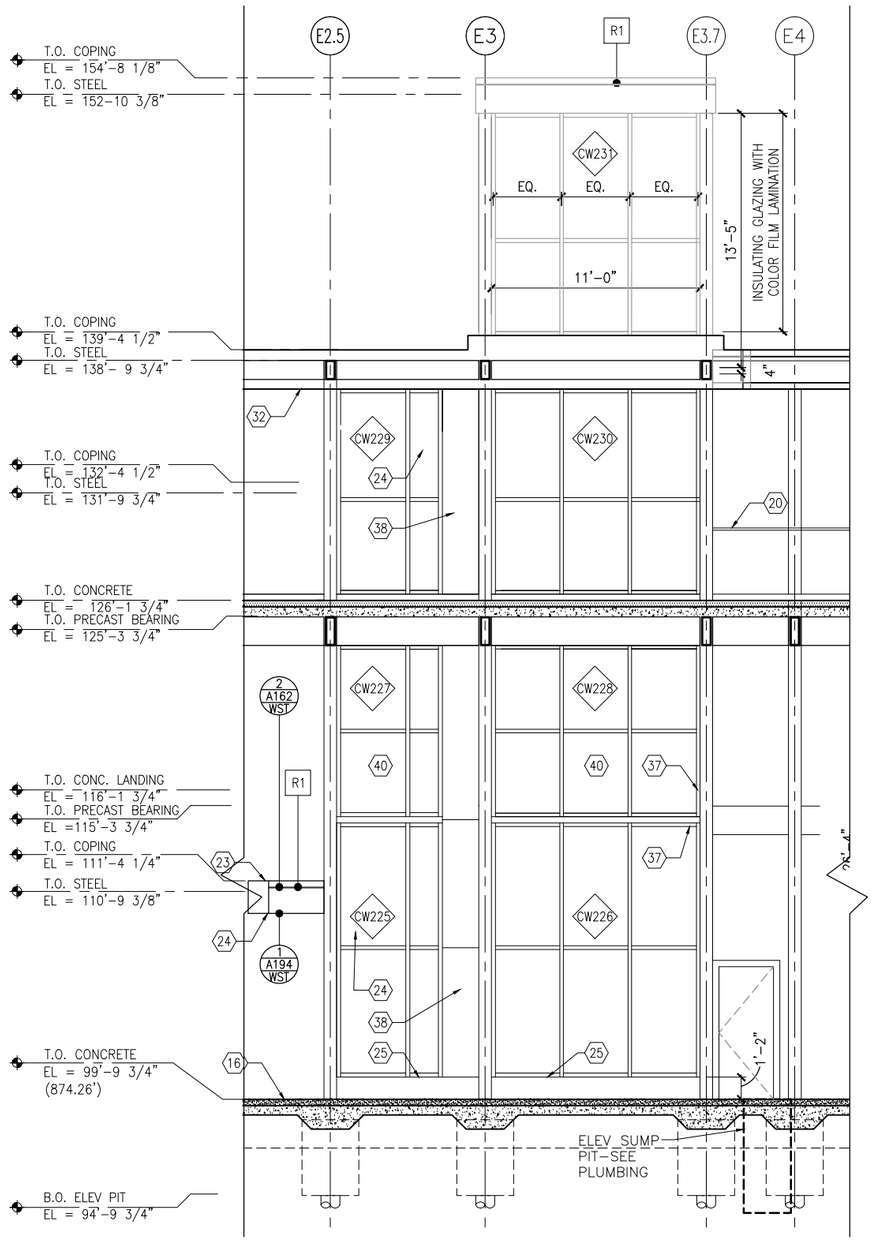
SHEET 381 OF 510

Jan, 18 2016 10:40 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-SCT-318.dwg By: V-ZasueOB



1 VC PARTAL LONGITUDINAL SECTION (WEST)
SCALE:1/8"=1'-0"

SCALE 0 2 4 8



2 VC PARTAL LONGITUDINAL SECTION (EAST)
SCALE:1/8"=1'-0"

SCALE 0 2 4 8

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA – SEE ELEC
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. EMERGENCY TELEPHONE – SEE ELEC
9. ROOF DRAIN – SEE PLUMBING
10. PRE-FINISHED METAL GUTTER
11. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM – SEE SYSTEMS (NIC)
16. CONCRETE PLATFORM
17. HEATER CONTROL – SEE ELEC
18. INFRARED HEATER – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
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29. STEEL BEAM – SEE STRUCTURAL
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36. PC CONC WALL PANEL
37. SECONDARY STEEL FRAMING – SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R– ROOF TYPE – SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

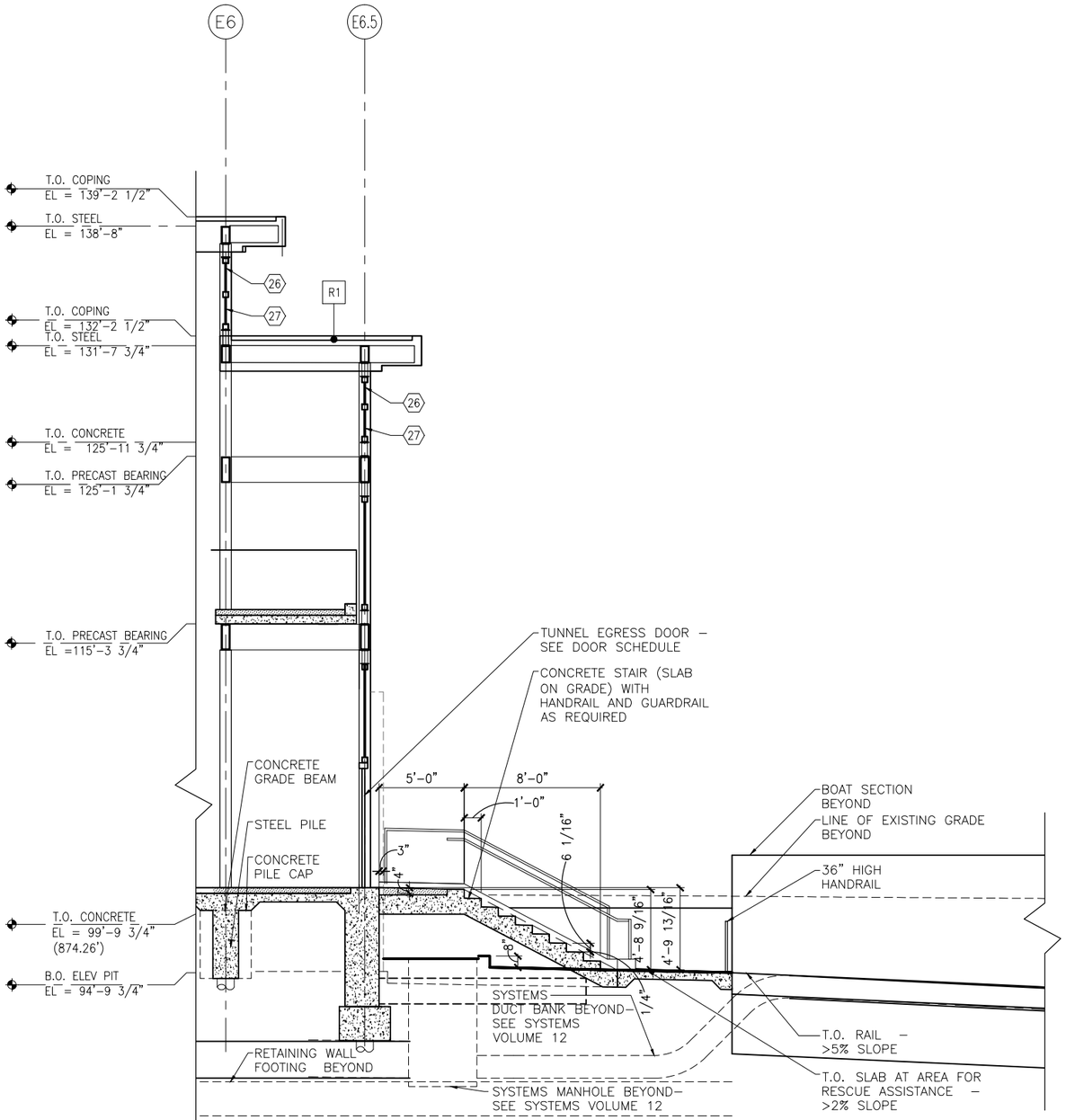
CIVIL - VOLUME 11C
WEST LAKE STATION
VC SECTIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-SCT-319

SHEET 382 OF 510

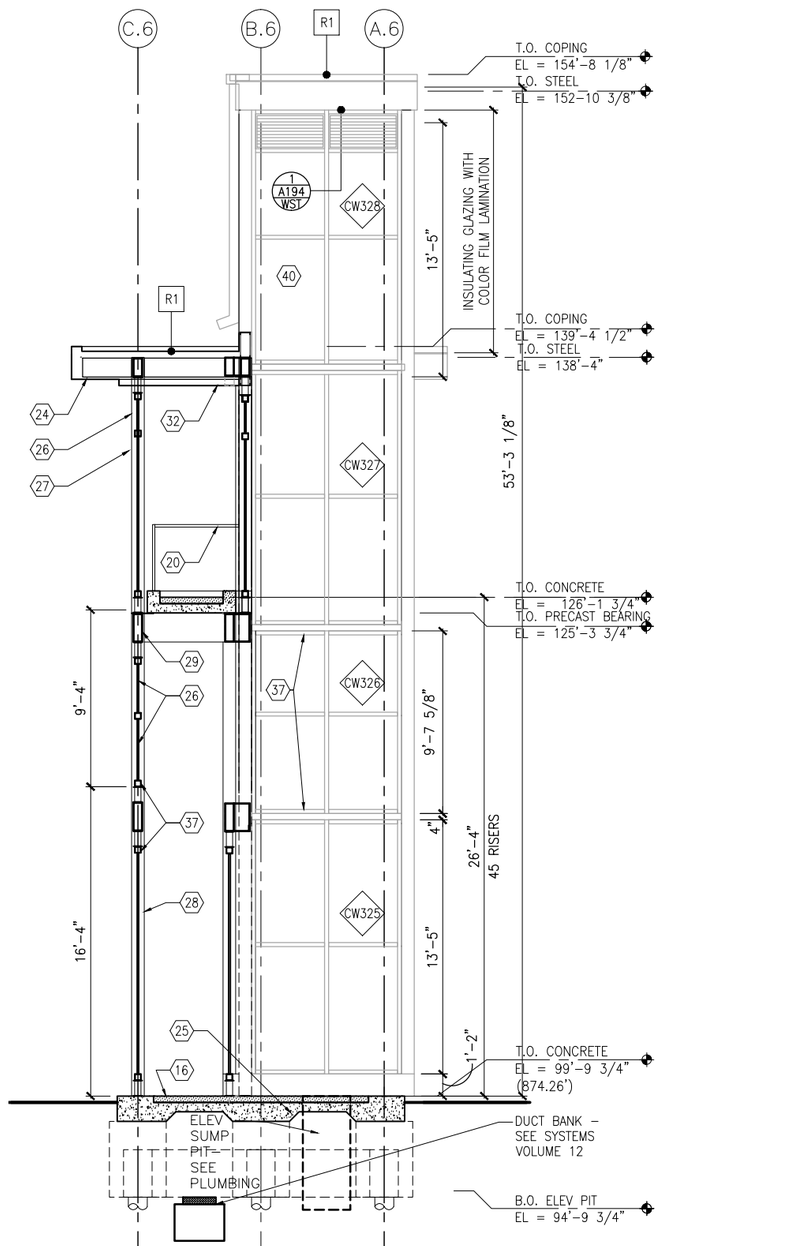
Jan, 18 2016 10:41 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-SCT-319.dwg By: V-ZasuleOB



2 VC PARTAL LONGITUDINAL SECTION (EAST)

SCALE:1/8"=1'-0"

SCALE 0 2 4 8



1 VC TRANSVERSE SECTION (EAST)

SCALE:1/8"=1'-0"

SCALE 0 2 4 8

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES - (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT - SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE - SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA - SEE ELEC
6. TICKET VENDING MACHINE - SEE ELEC
7. EMERGENCY TELEPHONE LIGHT - SEE ELECTRICAL
8. EMERGENCY TELEPHONE - SEE ELEC
9. ROOF DRAIN - SEE PLUMBING
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11. PAINTED CAST IRON RAIN WATER LEADER - SEE PLUMBING
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29. STEEL BEAM - SEE STRUCTURAL
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36. PC CONC WALL PANEL
37. SECONDARY STEEL FRAMING - SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R- ROOF TYPE - SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

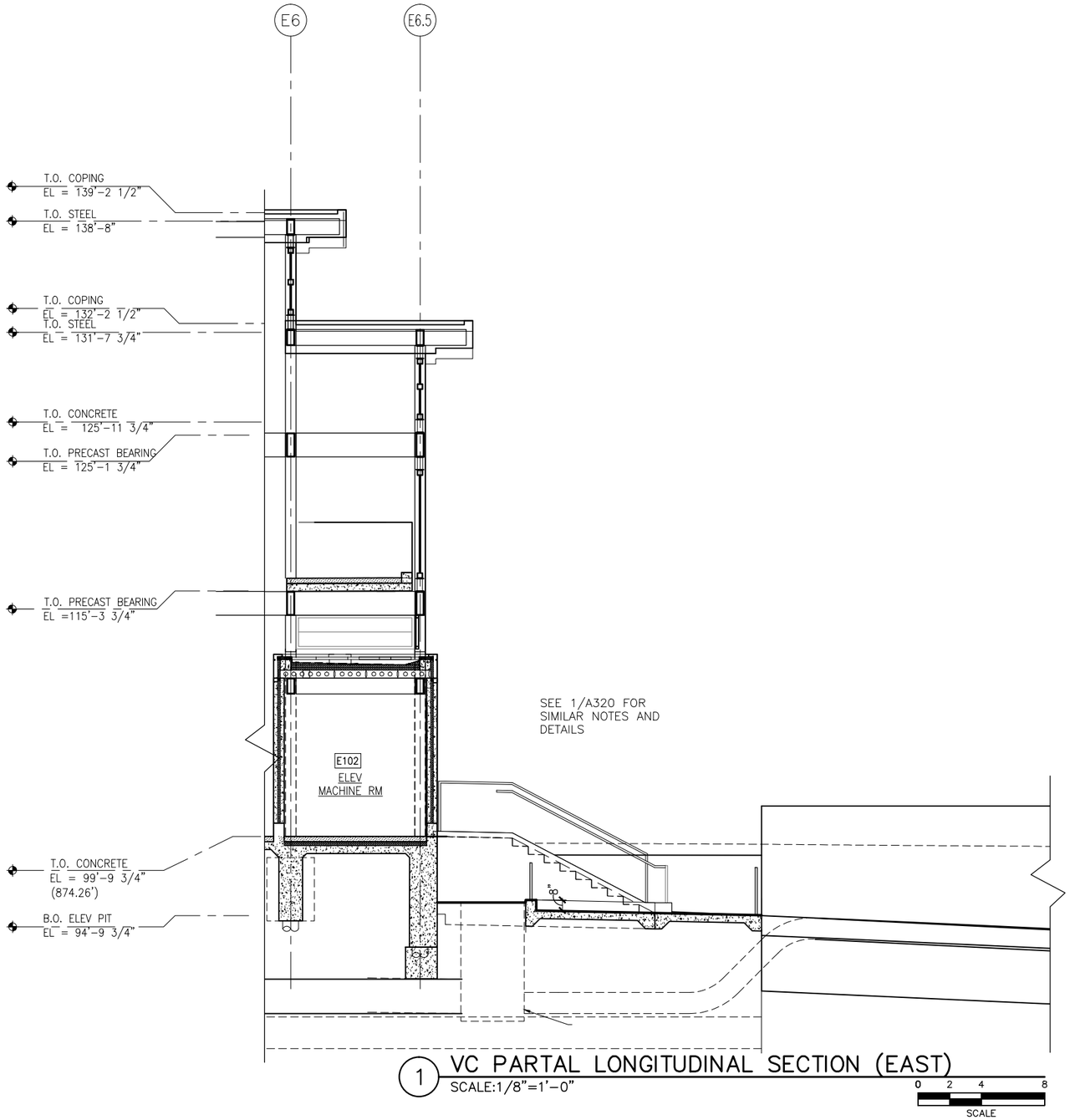
CIVIL - VOLUME 11C
WEST LAKE STATION
VC SECTIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-SCT-320

SHEET 383 OF 510

Jan, 18 2016 10:43 am v:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-SCT-320.dwg By: V-ZosuleOB



1 VC PARTAL LONGITUDINAL SECTION (EAST)
SCALE:1/8"=1'-0"

0 2 4 8
SCALE

GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
3. SEE VOLUME 11E FOR COMMON DETAILS

KEY NOTES – ⟨#⟩

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT – SEE ELECTRICAL
2. LIGHT MOUNTED TO STRUCTURE – SEE ELECTRICAL
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA – SEE ELEC
6. TICKET VENDING MACHINE – SEE ELEC
7. EMERGENCY TELEPHONE LIGHT – SEE ELECTRICAL
8. EMERGENCY TELEPHONE – SEE ELEC
9. ROOF DRAIN – SEE PLUMBING
10. PRE-FINISHED METAL GUTTER
11. PAINTED CAST IRON RAIN WATER LEADER – SEE PLUMBING
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14. LEANING RAIL
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17. HEATER CONTROL – SEE ELEC
18. INFRARED HEATER – SEE ELEC
19. DETECTABLE WARNING AT BOARDING EDGE
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37. SECONDARY STEEL FRAMING – SEE STRUCTURAL
38. COMPOSITE ALUM PANEL
39. ADA BETWEEN-CAR BARRIER
40. ALUMINUM CURTAINWALL

LEGEND

- CIP CONCRETE
- ARCHITECTURAL CONCRETE
- R– ROOF TYPE – SEE A150

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

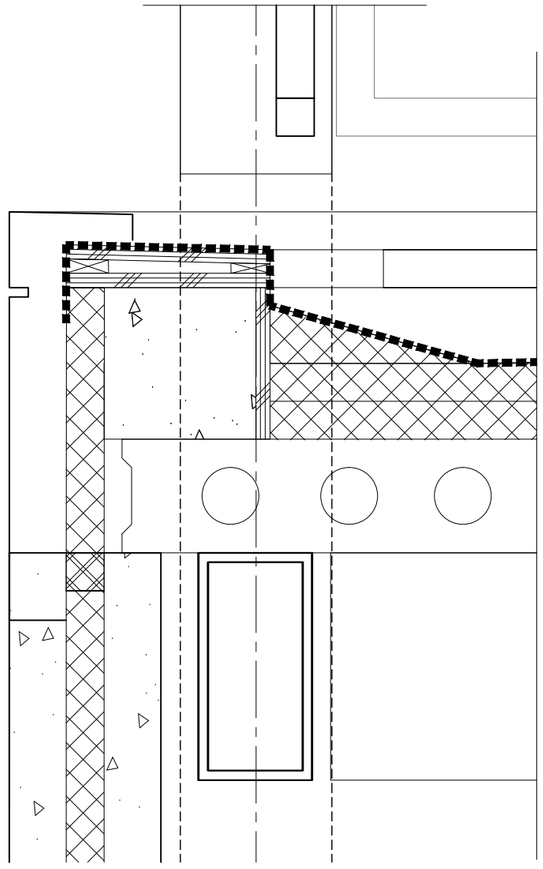
CIVIL - VOLUME 11C
WEST LAKE STATION
VC SECTIONS

DISCIPLINE: ARCHITECTURE

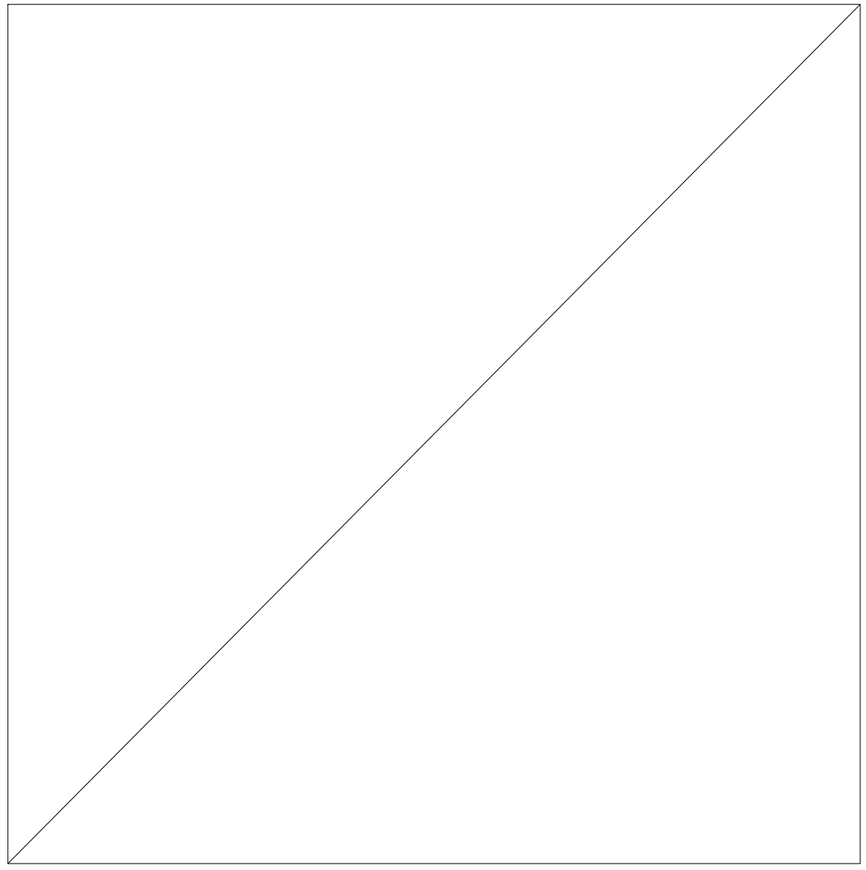
SHEET NAME: E3-WST-ARC-SCT-321

SHEET 384 OF 510

Jan, 18 2016 10:45 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-SCT-321.dwg By: V-ZasuleOB



1 VC ROOF EDGE AT AHU ROOM
SCALE: 1 1/2"=1'-0"



2 CANOPY SUPPORT
SCALE: 1 1/2"=1'-0"

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL
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90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ROOF DETAILS -
BUS OPERATOR RESTROOM AND CANOPY

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-DTL-570

SHEET 385 OF 510

Jan, 19 2016 10:08 pm V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-DTL-570.dwg By: Ebsenjr

DOOR SCHEDULES- WEST LAKE STATION

LEVEL	DOOR NO.	FROM ROOM	TO ROOM	WIDTH	HEIGHT	TYPE		FRAME DETAILS		HARDWARE SET	NOTES
							HEAD	JAMB	SILL		
PLATFORM- WEST	100	ELEV LOBBY	EXTERIOR	3'-0"	7'-0"	ALUMINUM	/ A	/ A	/ A	SEE SPECIFICATIONS	
		100	WALKWAY								
	101	ELEV MACHINE ROOM	EXTERIOR	3'-0"	7'-0"	HM				SEE SPECIFICATIONS	
		101	WALKWAY								
	102	BREAK ROOM	EXTERIOR	3'-0"	7'-0"	HM	/ A	/ A	/ A	SEE SPECIFICATIONS	
		102	WALKWAY								
	103	BREAK ROOM	TOILET	3'-0"	7'-0"	HM	/ A	/ A	/ A	SEE SPECIFICATIONS	
		102	103								
	104	UTILITY	EXTERIOR	2'-6"	7'-0"	HM	/ A	/ A	/ A	SEE SPECIFICATIONS	
		104	WALKWAY								
	105A	EQUIPMENT	EXTERIOR	2'-10.5"		FRAMED ARCH WOVEN MESH	/ A	/ A	/ A	SEE SPECIFICATIONS	
		105	WALKWAY								
	105B	EQUIPMENT	EXTERIOR	6'-6"		FRAMED ARCH WOVEN MESH	/ A	/ A	/ A	SEE SPECIFICATIONS	
		105	WALKWAY								
	105C	EQUIPMENT	EXTERIOR	2'-10.5"		FRAMED ARCH WOVEN MESH	/ A	/ A	/ A	SEE SPECIFICATIONS	
		105	WALKWAY								
	104	EXTERIOR	MECH EQUIPMENT								
		WALKWAY	106								
BRIDGE- WEST	200	ELEV LOBBY	EXTERIOR	3'-0"	7'-0"	ALUMINUM	/ A	/ A	/ A	SEE SPECIFICATIONS	
		200	WALKWAY								
PLATFORM- EAST	100	ELEV LOBBY	EXTERIOR	3'-0"	7'-0"	ALUMINUM	/ A	/ A	/ A	SEE SPECIFICATIONS	
		100	WALKWAY								
	101A	EQUIPMENT	TUNNEL EGRESS	2'-10.5"		FRAMED ARCH WOVEN MESH	/ A	/ A	/ A	SEE SPECIFICATIONS	
		101	103								
	101B	EQUIPMENT	TUNNEL EGRESS	6'-6"		FRAMED ARCH WOVEN MESH	/ A	/ A	/ A	SEE SPECIFICATIONS	
		101	103								
	101C	EQUIPMENT	TUNNEL EGRESS	2'-10.5"		FRAMED ARCH WOVEN MESH	/ A	/ A	/ A	SEE SPECIFICATIONS	
		101	103								
	102	ELEV MACHINE ROOM	TUNNEL EGRESS	3'-0"	7'-0"	HM				SEE SPECIFICATIONS	
		102	103								
	103A	EXTERIOR	TUNNEL EGRESS	3'-0"	7'-0"	HM	/ A	/ A	/ A	SEE SPECIFICATIONS	
		WALKWAY	103								
	103B	TUNNEL EGRESS	EXTERIOR	2'-6"	7'-0"	HM	/ A	/ A	/ A	SEE SPECIFICATIONS	
		103	WALKWAY								
BRIDGE- EAST	200	ELEV LOBBY	EXTERIOR	3'-0"	7'-0"	ALUMINUM	/ A	/ A	/ A	SEE SPECIFICATIONS	
		200	WALKWAY								

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

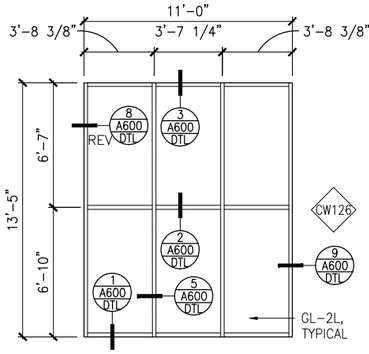
CIVIL - VOLUME 11C
WEST LAKE STATION
DOOR AND FRAME SCHEDULE

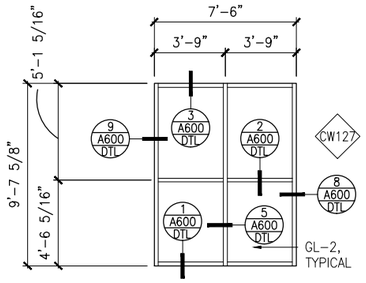
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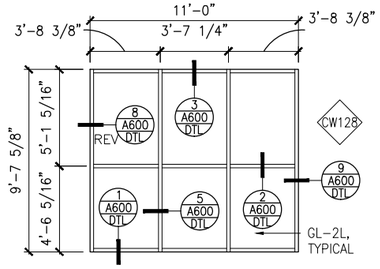
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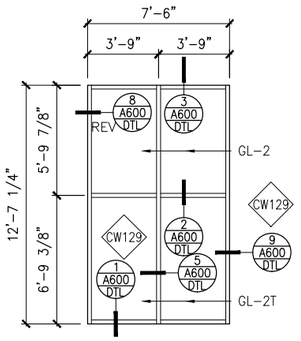
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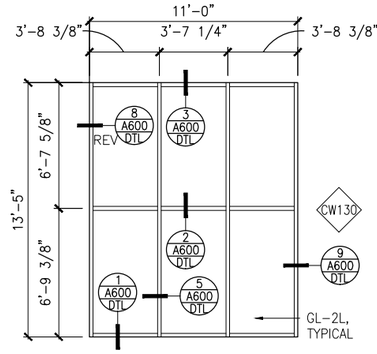
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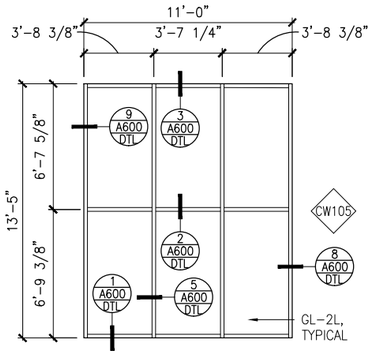


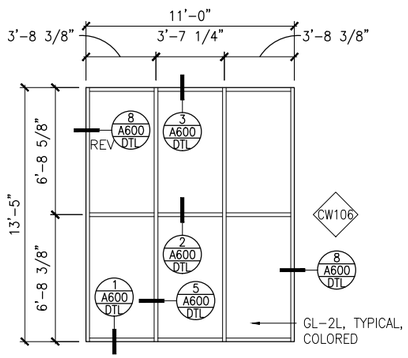


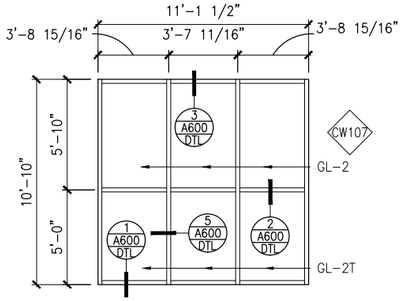


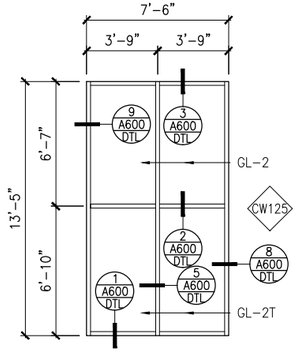


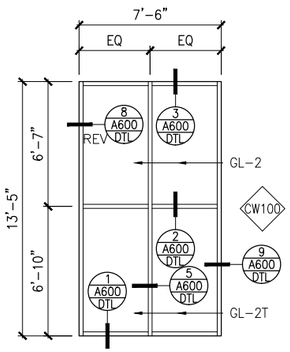


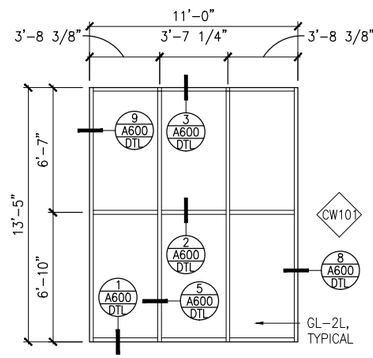


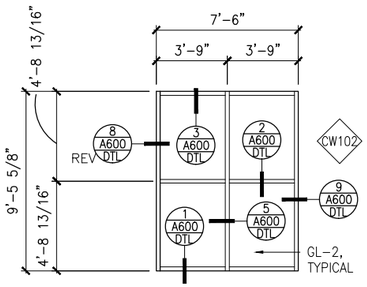


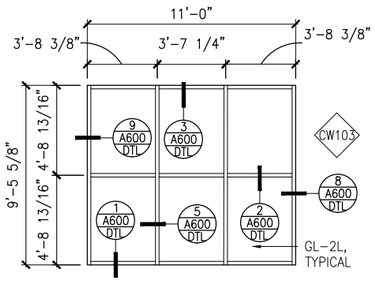


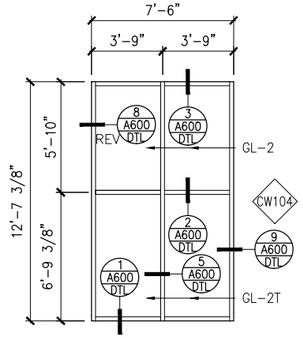












1 VC WINDOW TYPES
SCALE:1/8"=1'-0"

0 2 4 8
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

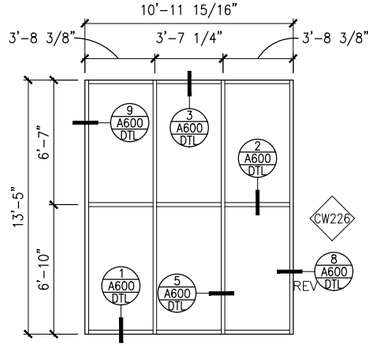
CIVIL - VOLUME 11C
WEST LAKE STATION
VC WINDOW TYPES

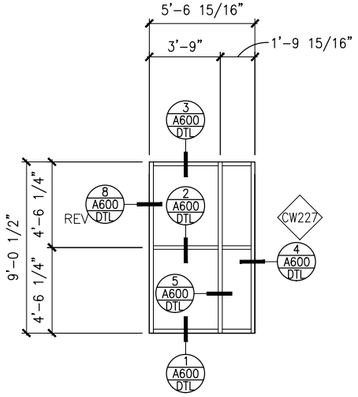
DISCIPLINE: ARCHITECTURE

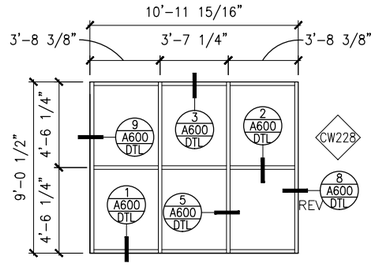
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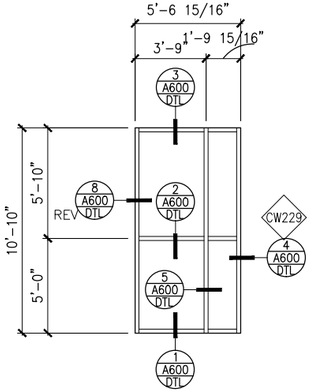
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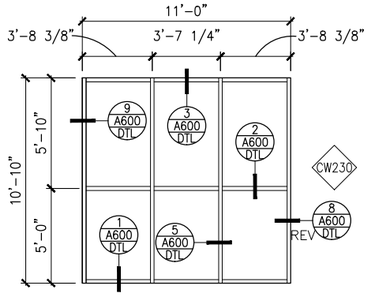
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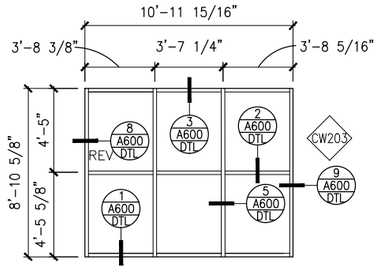


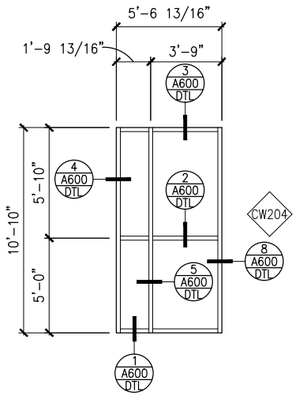


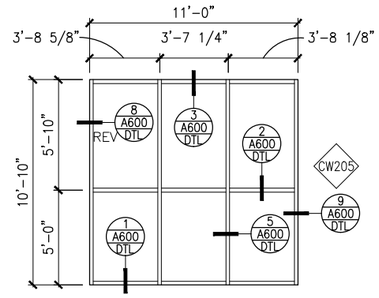


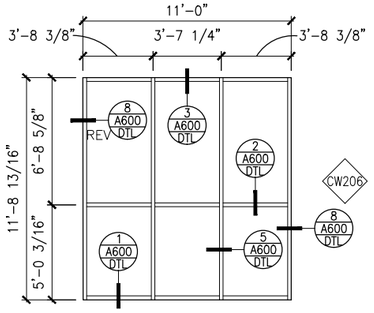


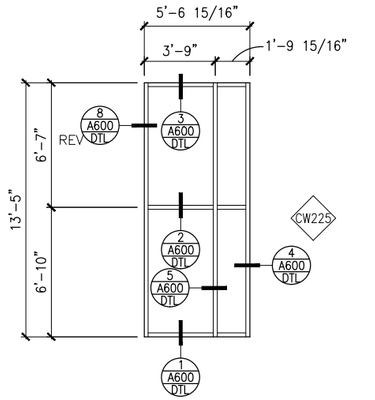


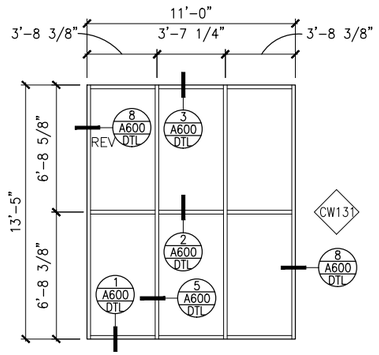


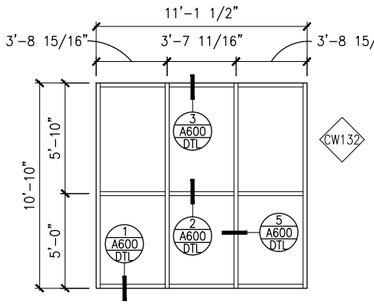


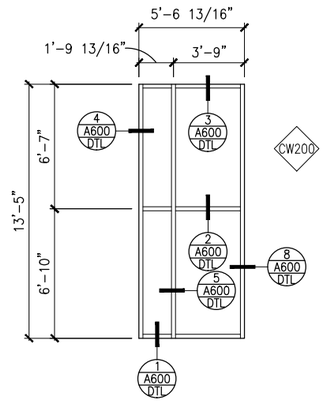


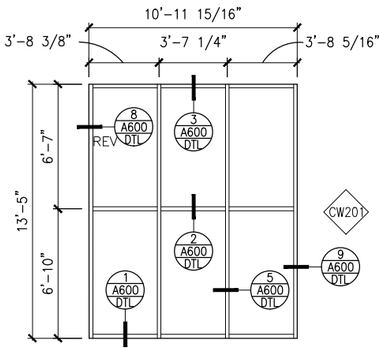


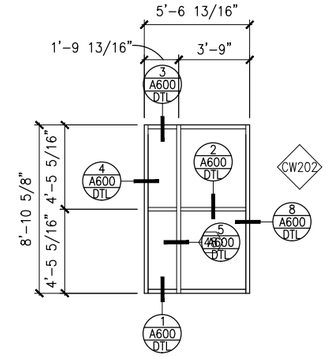












1 VC WINDOW TYPES

SCALE:1/8"=1'-0"

0 2 4 8

SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

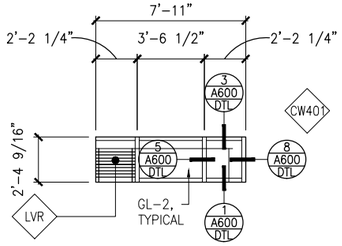
CIVIL - VOLUME 11C
WEST LAKE STATION
VC WINDOW TYPES

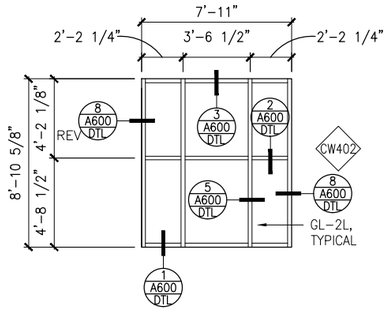
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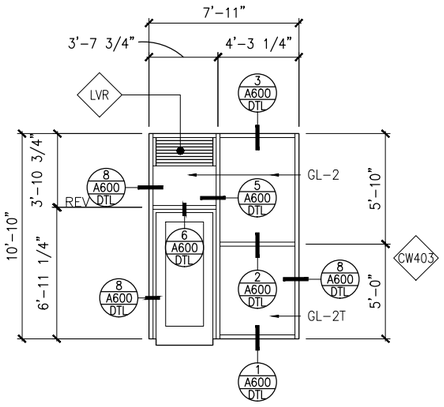
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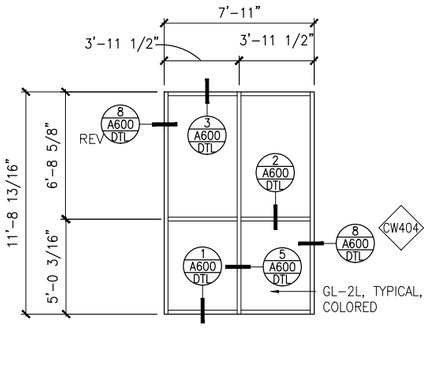
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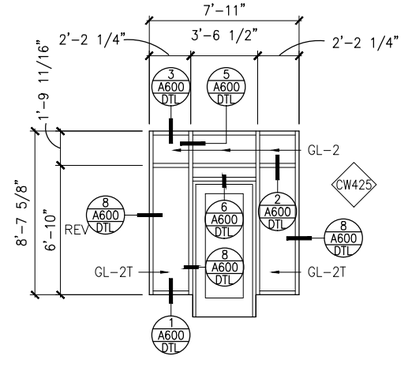
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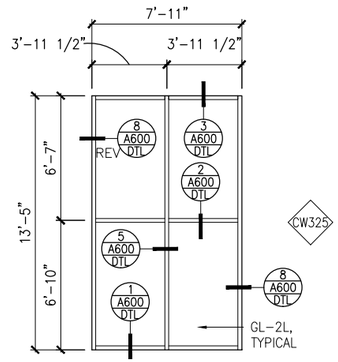


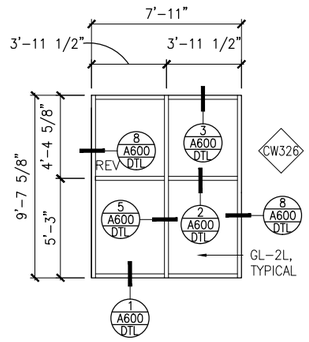


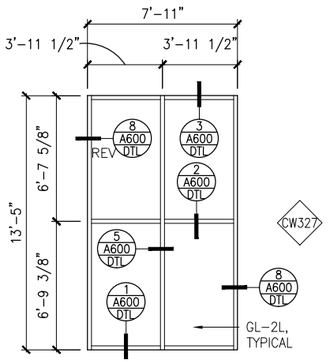


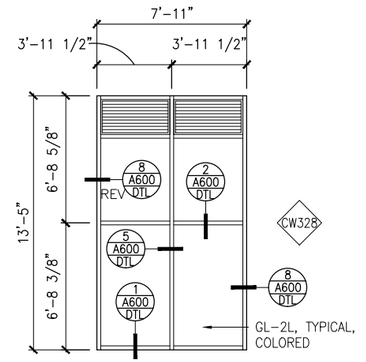


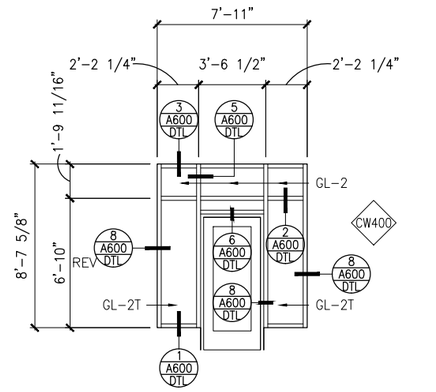


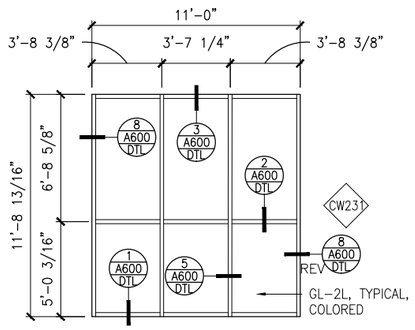


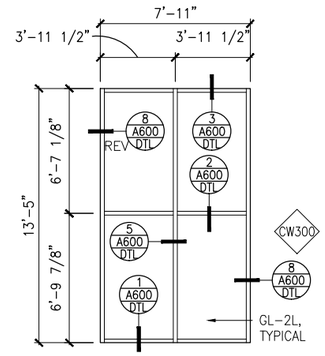


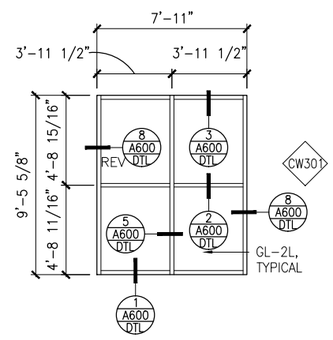


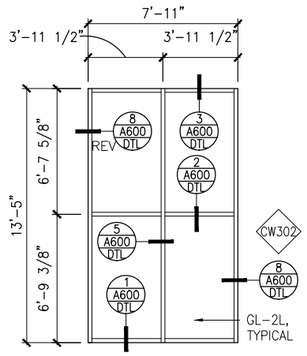


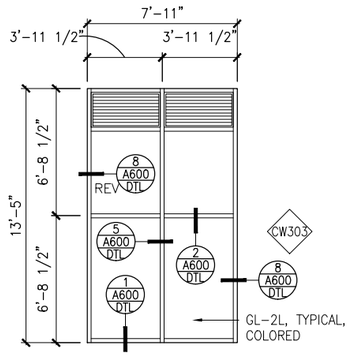












1 VC WINDOW TYPES

SCALE:1/8"=1'-0"

0 2 4 8

SCALE

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

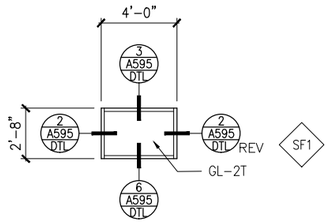
CIVIL - VOLUME 11C
WEST LAKE STATION
VC WINDOW TYPES

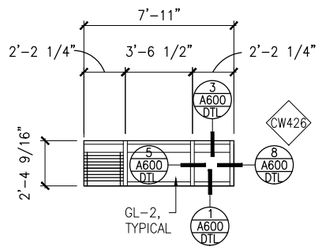
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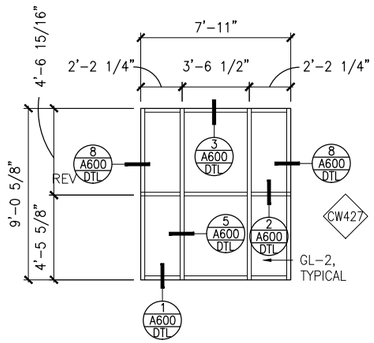
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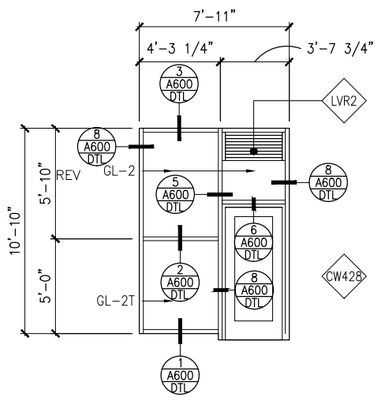
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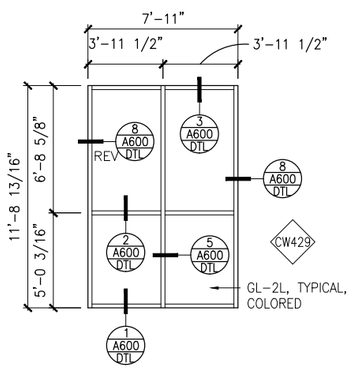
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1 VC WINDOW TYPES

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0 2 4 8
SCALE

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METROPOLITAN COUNCIL

SOUTHWEST
Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC WINDOW TYPES

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-DTL-595

SHEET 390 OF 510

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ARCHITECTURAL WOVEN MESH SCHEDULES

WEST TOWER

ELEVATION	PANEL NO.	WIDTH	HEIGHT	TYPE	ELEV DWG REFERENCE	ATTACHMENT DETAILS	NOTES
TRACK 2	M201	15'-2"	6'-2 3/4"		E3-WST-ARC-ELV-222	/ A	
	M202	15'-2"	1'-8 1/2"		E3-WST-ARC-ELV-222	/ A	
	M203	15'-1 7/8"	3'-4 3/8"		E3-WST-ARC-ELV-222	/ A	
	M204	15'-1 7/8"	6'-4"		E3-WST-ARC-ELV-222	/ A	
	M205	15'-1 7/8"	8'-4 3/8"		E3-WST-ARC-ELV-222	/ A	
	M206	15'-1 7/8"	6'-4"		E3-WST-ARC-ELV-222	/ A	
	M207	15'-1 7/8"	8'-4 3/8"		E3-WST-ARC-ELV-222	/ A	
	M208	15'-1 7/8"	8'-4 3/8"		E3-WST-ARC-ELV-222	/ A	
	M209	15'-1 7/8"	8'-4 3/8"		E3-WST-ARC-ELV-222	/ A	
	M210	14'-7 7/8"	8'-4 3/8"		E3-WST-ARC-ELV-222	/ A	
	M211	7'-0 15/16"	8'-4 3/8"		E3-WST-ARC-ELV-222	/ A	
	M212	4'-6 3/8"	8'-4 3/8"		E3-WST-ARC-ELV-222	/ A	
TRACK 1	M100	12'-3 3/16"	11'-11 9/16"		E3-WST-ARC-ELV-220	/ A	
	M101	14'-4 15/16"	11'-11 9/16"		E3-WST-ARC-ELV-220	/ A	
	M102	15'-1 15/16"	1'-4 3/8"		E3-WST-ARC-ELV-220	/ A	
	M103	15'-2"	1'-4 3/8"		E3-WST-ARC-ELV-220	/ A	
	M104	15'-2"	1'-2 3/4"		E3-WST-ARC-ELV-220	/ A	
	M105	15'-1 7/8"	3'-4 5/16"		E3-WST-ARC-ELV-220	/ A	
	M106	15'-1 7/8"	6'-4"		E3-WST-ARC-ELV-220	/ A	
	M107	15'-1 7/8"	8'-0 3/8"		E3-WST-ARC-ELV-220	/ A	
	M108	15'-1 7/8"	6'-4"		E3-WST-ARC-ELV-220	/ A	
	M109	15'-1 3/4"	8'-0 3/8"		E3-WST-ARC-ELV-220	/ A	
	M110	15'-1 7/8"	6'-4"		E3-WST-ARC-ELV-220	/ A	
	M111	6'-3"	11'-11 5/8"		E3-WST-ARC-ELV-220	/ A	
	M112	13'-2 1/16"	11'-11 5/8"		E3-WST-ARC-ELV-220	/ A	
	M113	13'-2 1/16"	6'-4"		E3-WST-ARC-ELV-220	/ A	
	M114	13'-5 1/8"	8'-0 3/8"		E3-WST-ARC-ELV-220	/ A	
	M115	4'-11 1/2"	6'-4"		E3-WST-ARC-ELV-220	/ A	
	M116	4'-5 1/2"	6'-4"		E3-WST-ARC-ELV-220	/ A	
	M117	3'-10 5/8"	6'-4"		E3-WST-ARC-ELV-220	/ A	
SIDE ELEVATION WEST	M300	5'-4"	8'-0 3/16"		E3-WST-ARC-ELV-224	/ A	
	M301	5'-4"	1'-5 1/16"		E3-WST-ARC-ELV-224	/ A	
	M301	5'-4"	5'-9 3/16"		E3-WST-ARC-ELV-224	/ A	

ARCHITECTURAL WOVEN MESH SCHEDULES

EAST TOWER

ELEVATION	PANEL NO.	WIDTH	HEIGHT	TYPE	DWG REFERENCE	ATTACHMENT DETAILS	NOTES
TRACK 2	M225	6'-11 15/16"	11'-4 3/8"		E3-WST-ARC-ELV-227	/ A	
	M226	15'-1 7/8"	8'-4 3/8"		E3-WST-ARC-ELV-227	/ A	
	M227	15'-1 7/8"	6'-6"		E3-WST-ARC-ELV-227	/ A	
	M228	14'-11"	11'-11 5/8"		E3-WST-ARC-ELV-227	/ A	
	M229	15'-1 7/8"	8'-4 3/8"		E3-WST-ARC-ELV-227	/ A	
	M230	15'-1 7/8"	6'-6"		E3-WST-ARC-ELV-227	/ A	
	M231	15'-1 15/16"	11'-11 5/8"		E3-WST-ARC-ELV-227	/ A	
	M232	15'-1 7/8"	8'-4 3/8"		E3-WST-ARC-ELV-227	/ A	
	M233	14'-5 13/16"	8'-4 3/8"		E3-WST-ARC-ELV-227	/ A	
TRACK 1	M125	6'-11 15/16"	11'-11 5/8"		E3-WST-ARC-ELV-226	/ A	
	M126	6'-11 15/16"	11'-4 1/4"		E3-WST-ARC-ELV-226	/ A	
	M127	15'-1 7/8"	8'-4 3/8"		E3-WST-ARC-ELV-226	/ A	
	M128	15'-1 7/8"	6'-5 7/8"		E3-WST-ARC-ELV-226	/ A	
	M129	15'-1 15/16"	11'-11 5/8"		E3-WST-ARC-ELV-226	/ A	
	M130	7'-0 1/16"	8'-4 5/16"		E3-WST-ARC-ELV-226	/ A	
	M131	7'-0 1/16"	6'-5 7/8"		E3-WST-ARC-ELV-226	/ A	
	M132	7'-0 1/16"	11'-11 5/8"		E3-WST-ARC-ELV-226	/ A	
	M133	9'-11 1/8"	8'-4 3/8"		E3-WST-ARC-ELV-226	/ A	
	M134	9'-8 1/16"	6'-5 7/8"		E3-WST-ARC-ELV-226	/ A	
	M135	9'-8 1/16"	11'-11 5/8"		E3-WST-ARC-ELV-226	/ A	
	M136	5'-6 15/16"	6'-4"		E3-WST-ARC-ELV-226	/ A	
	M137	4'-6"	6'-4"		E3-WST-ARC-ELV-226	/ A	
	M138	3'-10"	6'-4"		E3-WST-ARC-ELV-226	/ A	
	M139	2'-10"	6'-4"		E3-WST-ARC-ELV-226	/ A	
	M140	1'-7 5/8"	6'-4"		E3-WST-ARC-ELV-226	/ A	
SIDE ELEVATION EAST	M325	11'-10"	1'-8 1/2"		E3-WST-ARC-ELV-228	/ A	
	M326	5'-4"	11'-3 1/2"		E3-WST-ARC-ELV-228	/ A	
	M327	5'-4"	11'-3 1/2"		E3-WST-ARC-ELV-228	/ A	
	M328	4'-7"	5'-3 1/8"		E3-WST-ARC-ELV-228	/ A	

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

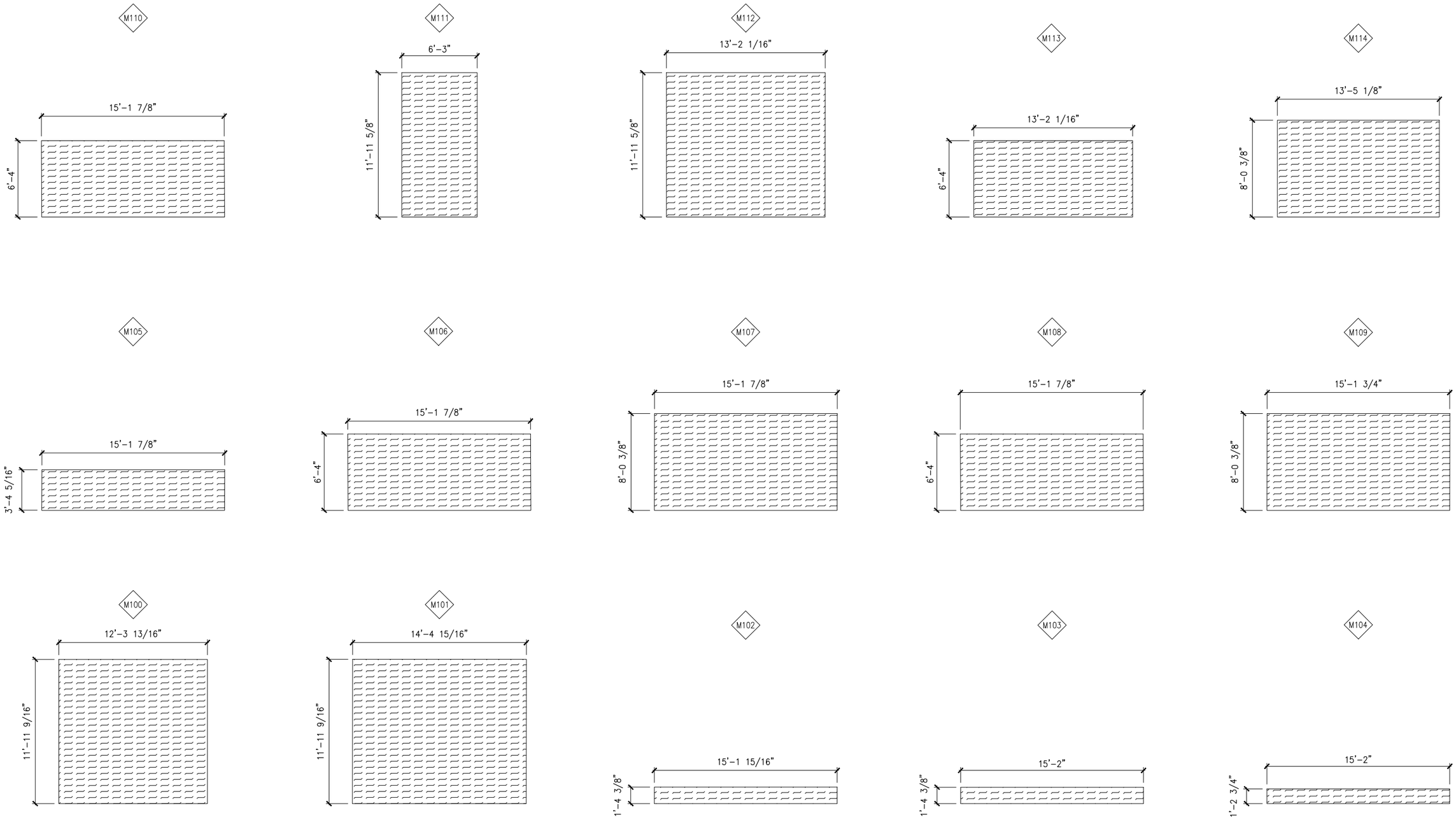
CIVIL - VOLUME 11C
WEST LAKE STATION
VC ARCHITECTURAL WOVEN METAL MESH SCHEDULES-1

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-SCH-650

SHEET 391 OF 510

Jan, 18 2016 10:47 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-SCH-650.dwg By: V-Zasule0B



1 VC WOVEN METAL MESH TYPES

SCALE:1/8"=1'-0"

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SCALE

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

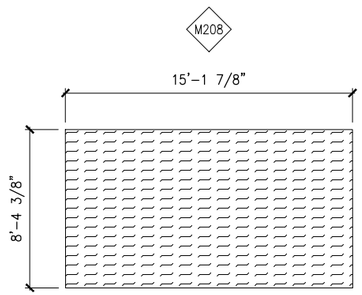
CIVIL - VOLUME 11C
WEST LAKE STATION
VC ARCHITECTURAL WOVEN METAL MESH TYPES

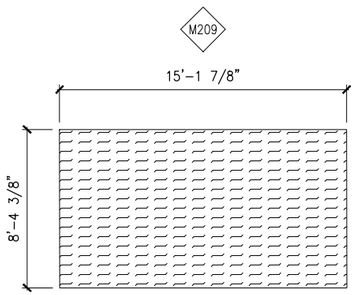
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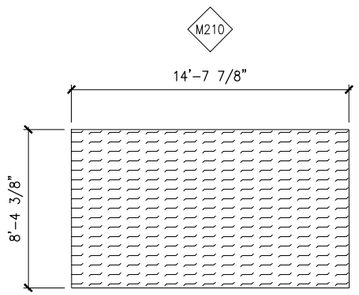
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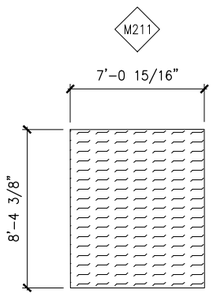
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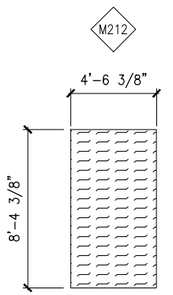
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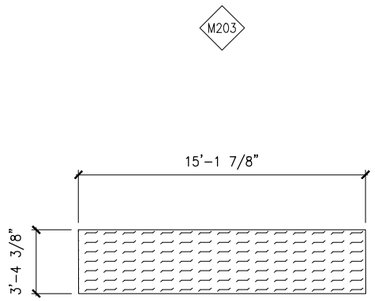


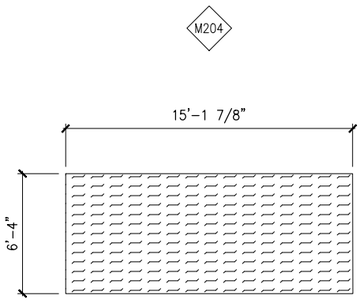


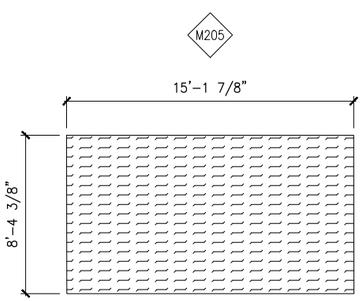


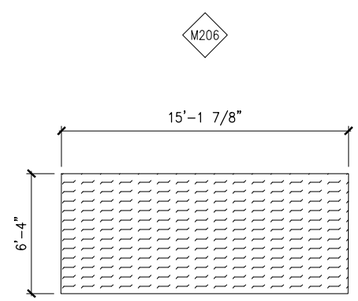


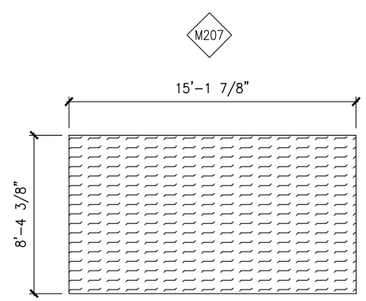


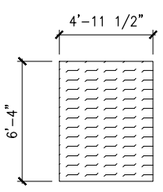


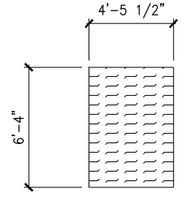


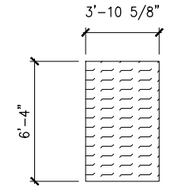


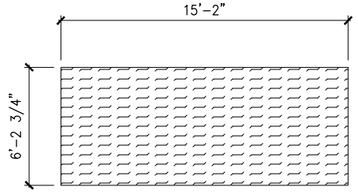


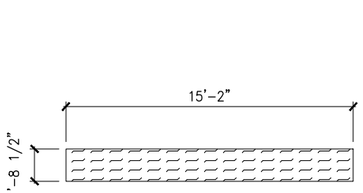












1 VC WOVEN METAL MESH TYPES

SCALE:1/8"=1'-0"

0 2 4 8
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

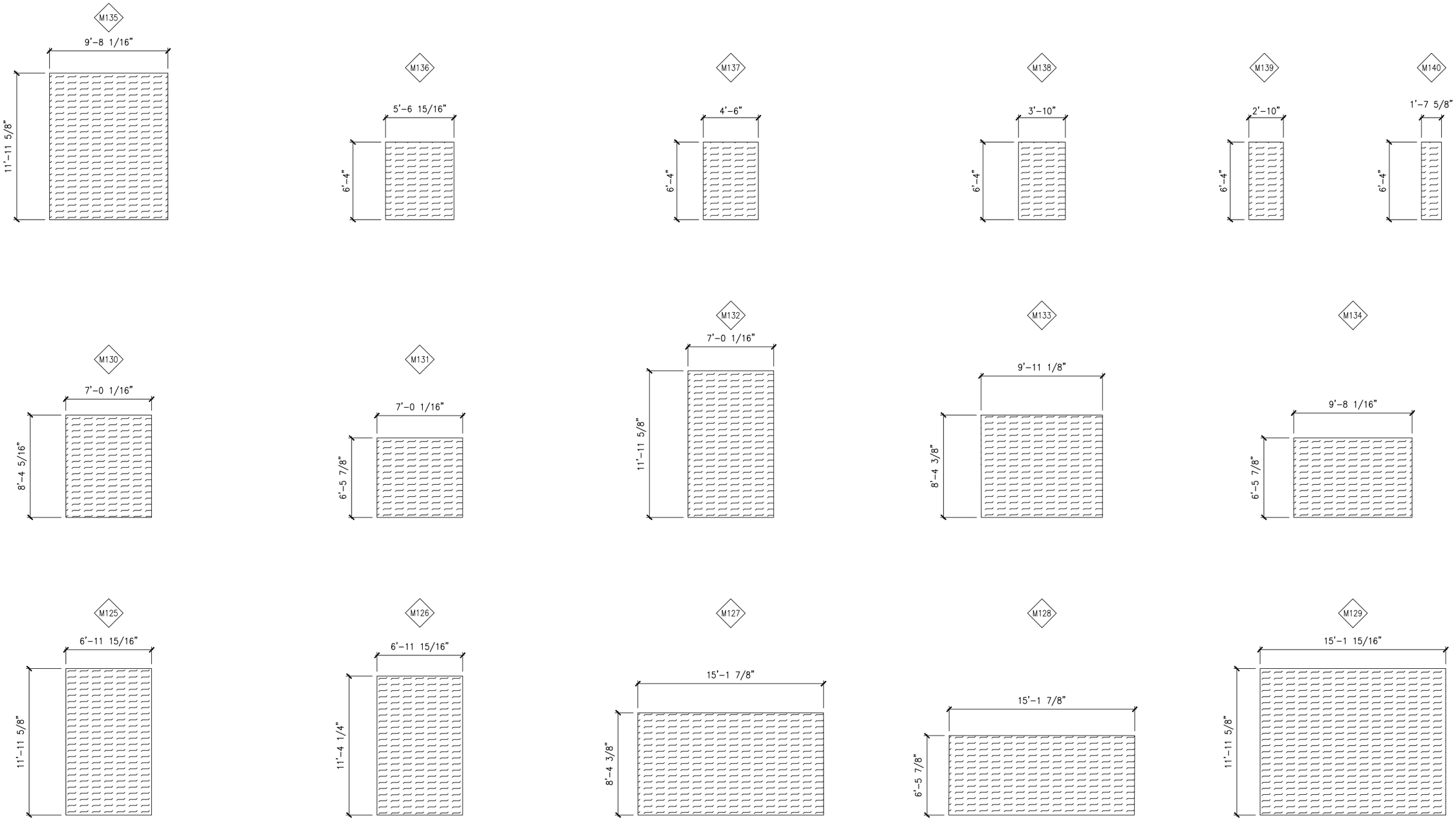
CIVIL - VOLUME 11C
WEST LAKE STATION
VC ARCHITECTURAL WOVEN METAL MESH TYPES

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-DTL-652

SHEET 393 OF 510

Jan, 18 2016 10:47 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-DTL-652.dwg By: V-ZasuleOB



1 VC WOVEN METAL MESH TYPES

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

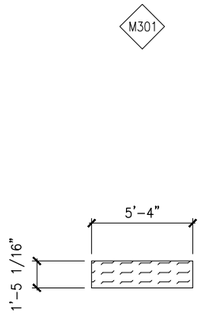
CIVIL - VOLUME 11C
WEST LAKE STATION
VC ARCHITECTURAL WOVEN METAL MESH TYPES

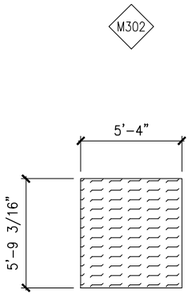
DISCIPLINE: ARCHITECTURE

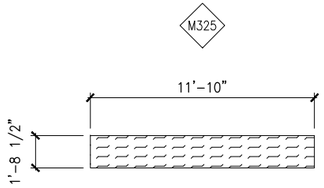
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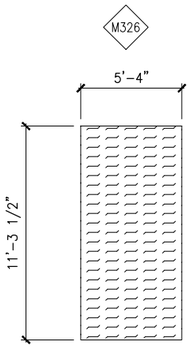
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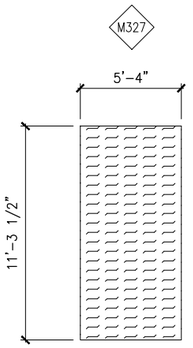
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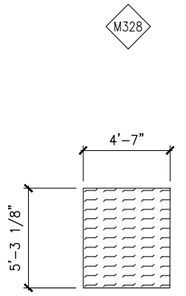


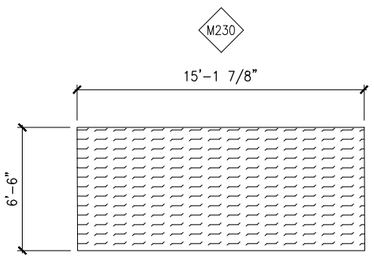


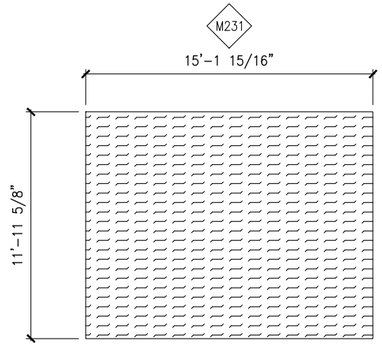


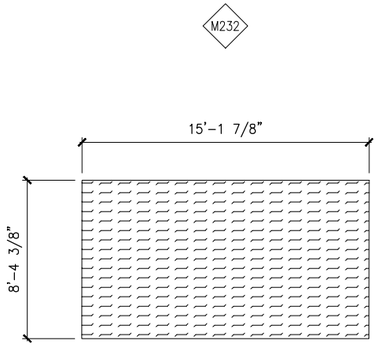


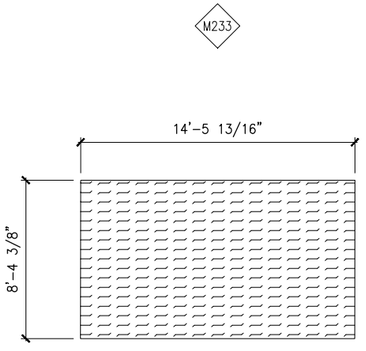


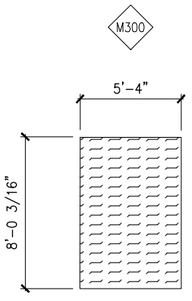


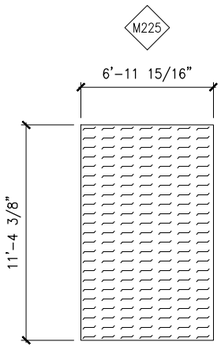


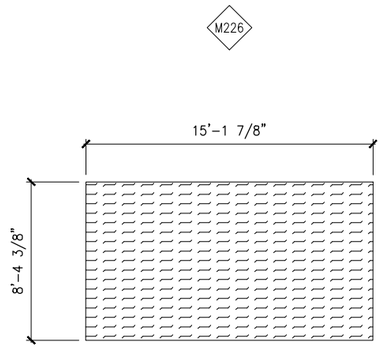


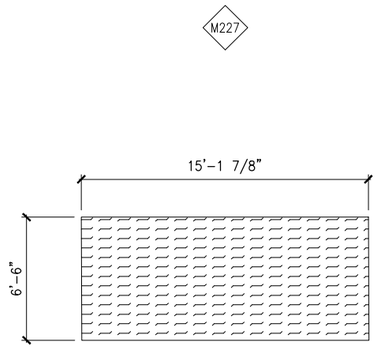


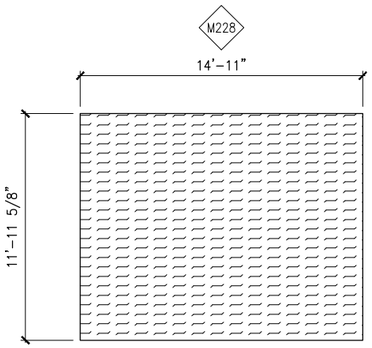


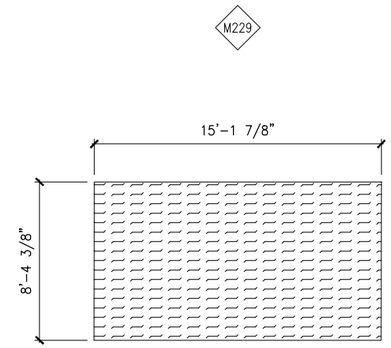












1 VC WOVEN METAL MESH TYPES

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SCALE

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

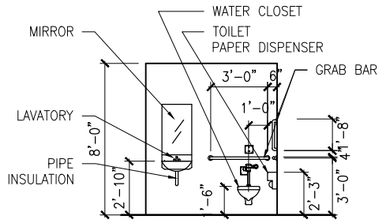
CIVIL - VOLUME 11C
WEST LAKE STATION
VC ARCHITECTURAL WOVEN METAL MESH TYPES

DISCIPLINE: ARCHITECTURE

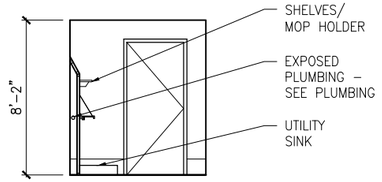
SHEET NAME: E3-WST-ARC-DTL-654

SHEET 395 OF 510

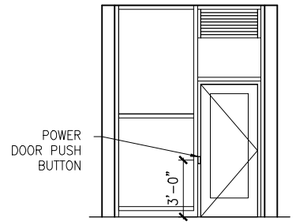
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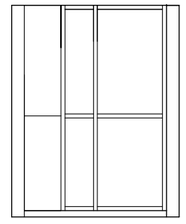
3 TOILET W103
SCALE: 1/4"=1'-0"



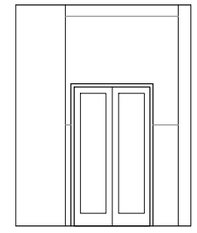
6 UTILITY W104
SCALE: 1/4"=1'-0"



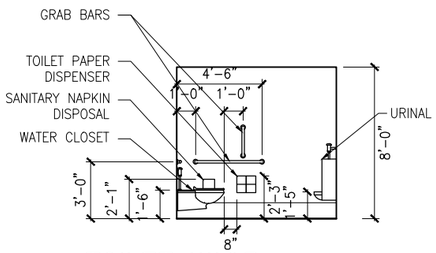
11 INTERIOR ELEVATION-LOBBY BRIDGE LEVEL (WEST)
SCALE: 1/4"=1'-0"



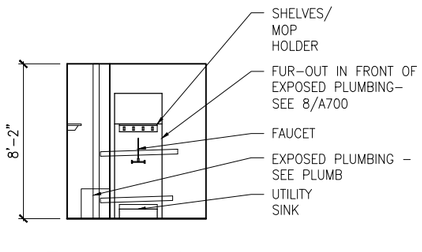
12 INTERIOR ELEVATION-LOBBY BRIDGE LEVEL (WEST)
SCALE: 1/4"=1'-0"



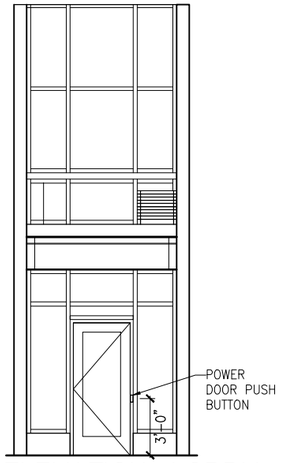
13 INTERIOR ELEVATION-LOBBY BRIDGE LEVEL (WEST)
SCALE: 1/4"=1'-0"



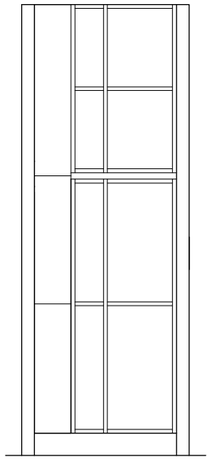
2 TOILET W103
SCALE: 1/4"=1'-0"



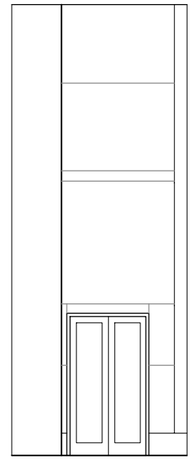
5 UTILITY W104
SCALE: 1/4"=1'-0"



8 INTERIOR ELEVATION-LOBBY PLATFORM LEVEL (WEST)
SCALE: 1/4"=1'-0"

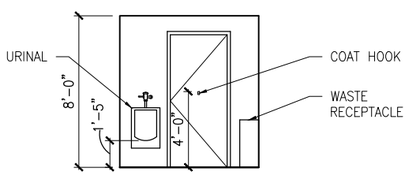


9 INTERIOR ELEVATION-LOBBY PLATFORM LEVEL (WEST)
SCALE: 1/4"=1'-0"

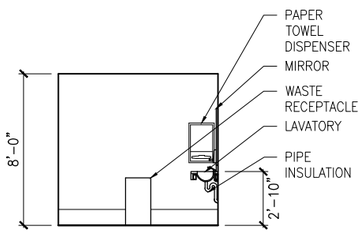


10 INTERIOR ELEVATION-LOBBY PLATFORM LEVEL (WEST)
SCALE: 1/4"=1'-0"

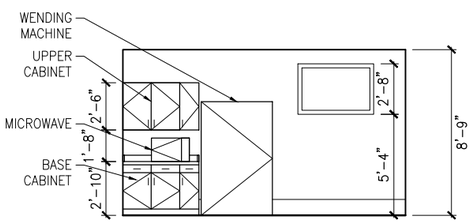
0 2 4 8
SCALE



1 TOILET W103
SCALE: 1/4"=1'-0"



4 TOILET W103
SCALE: 1/4"=1'-0"



7 BREAK ROOM W102
SCALE: 1/4"=1'-0"

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

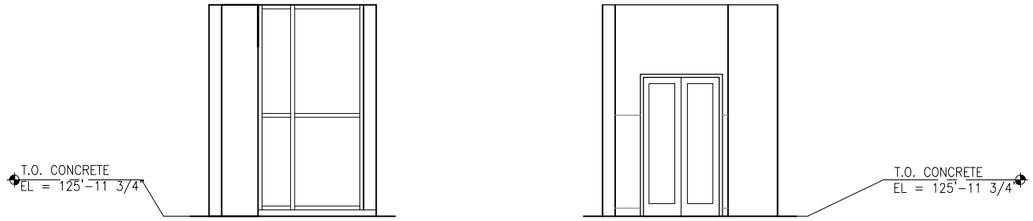
CIVIL - VOLUME 11C
WEST LAKE STATION
INTERIOR ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-ELV-700

SHEET 396 OF 510

Jan, 19 2016 10:04 pm V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-700.dwg By: Ebsenjr

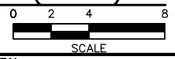


3 INTERIOR ELEVATION–LOBBY PLATFORM LEVEL (EAST)
SCALE: 1/4"=1'-0"

4 INTERIOR ELEVATION–LOBBY PLATFORM LEVEL (EAST)
SCALE: 1/4"=1'-0"



1 INTERIOR ELEVATION–LOBBY PLATFORM LEVEL (EAST)
SCALE: 1/4"=1'-0"



2 INTERIOR ELEVATION–LOBBY PLATFORM LEVEL (EAST)
SCALE: 1/4"=1'-0"



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SOUTHWEST Green Line LRT Extension

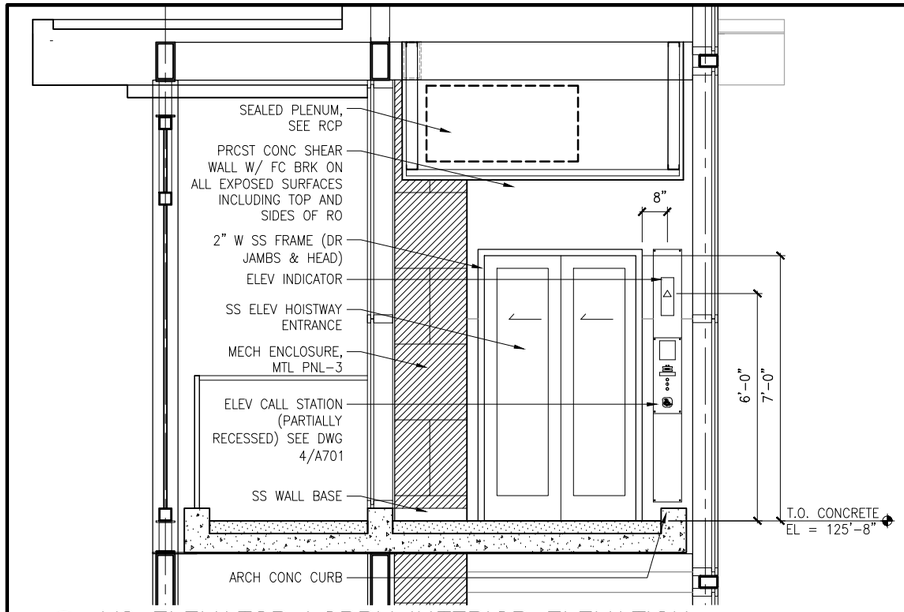
CIVIL - VOLUME 11C
WEST LAKE STATION
INTERIOR ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-ELV-701

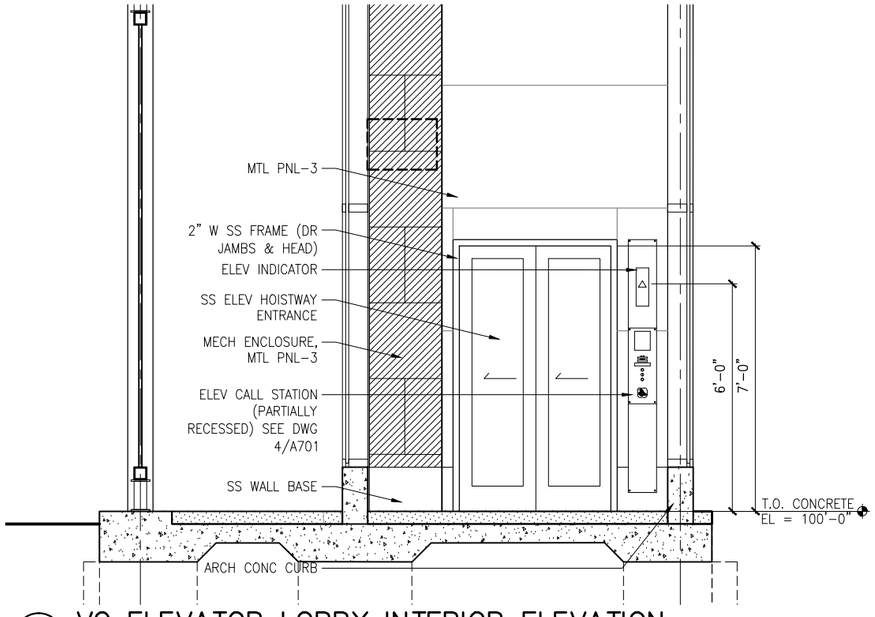
SHEET 397 OF 510

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1 VC ELEVATOR LOBBY INTERIOR ELEVATION

SCALE:1/4"=1'-0"



2 VC ELEVATOR LOBBY INTERIOR ELEVATION

SCALE:1/4"=1'-0"

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SOUTHWEST Green Line LRT Extension

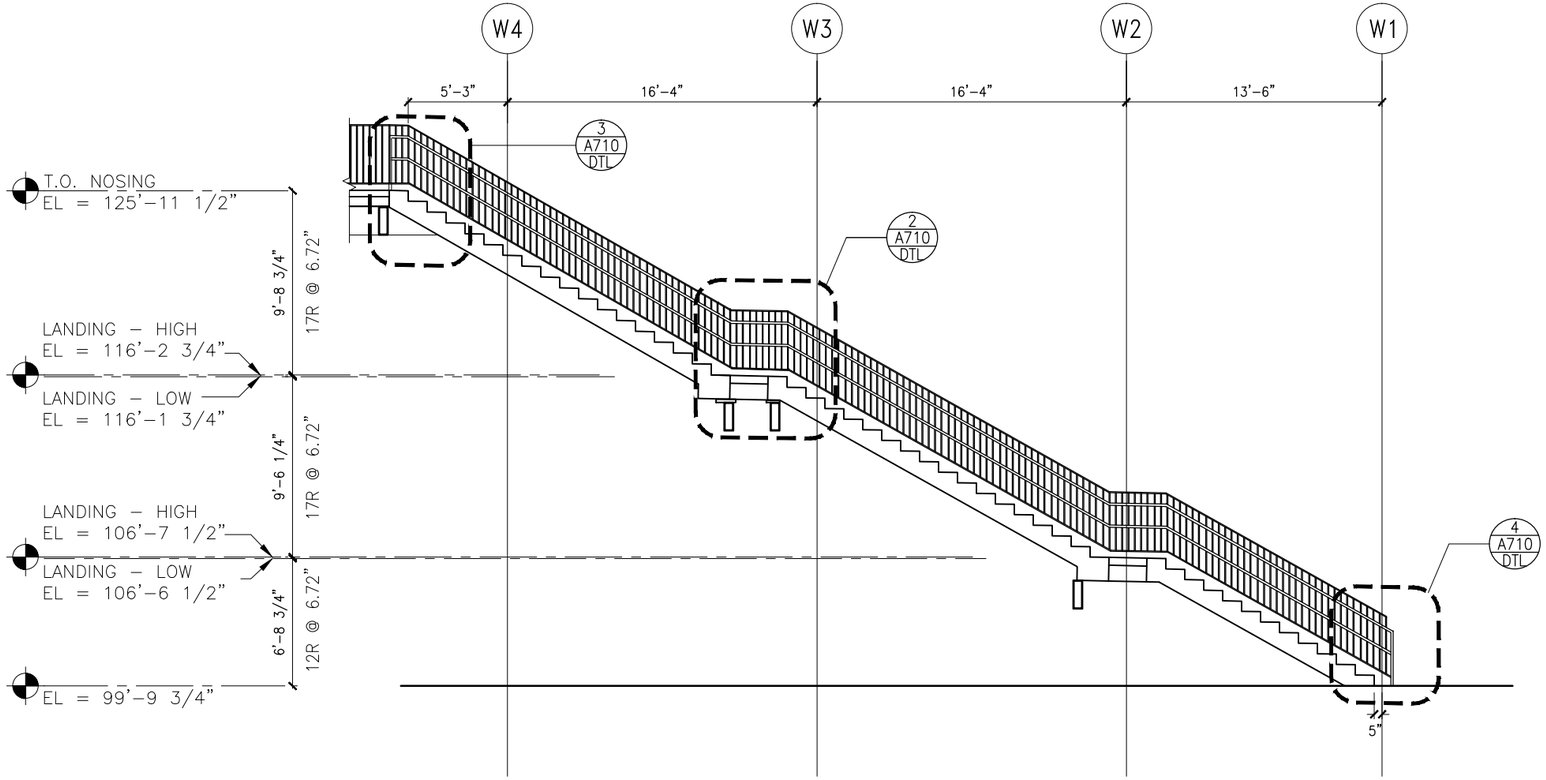
CIVIL - VOLUME 11C
WEST LAKE STATION
ELEVATOR LOBBY
ENLARGED ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-ELV-702

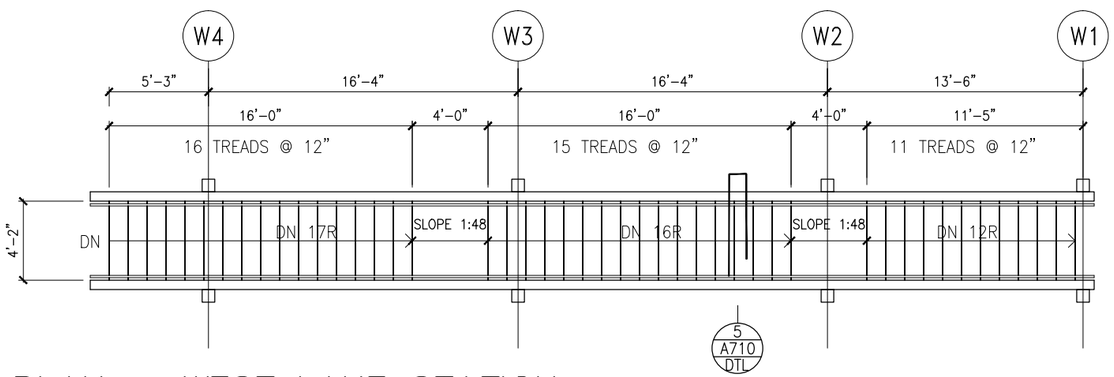
SHEET 398 OF 510

Jan, 18 2016 10:49 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-702.dwg By: V-ZasuleOB



1 WEST STAIR SECTION – WEST LAKE STATION

SCALE:1/8"=1'-0"



2 WEST STAIR PLAN – WEST LAKE STATION

SCALE:1/8"=1'-0"

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL
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SOUTHWEST Green Line LRT Extension

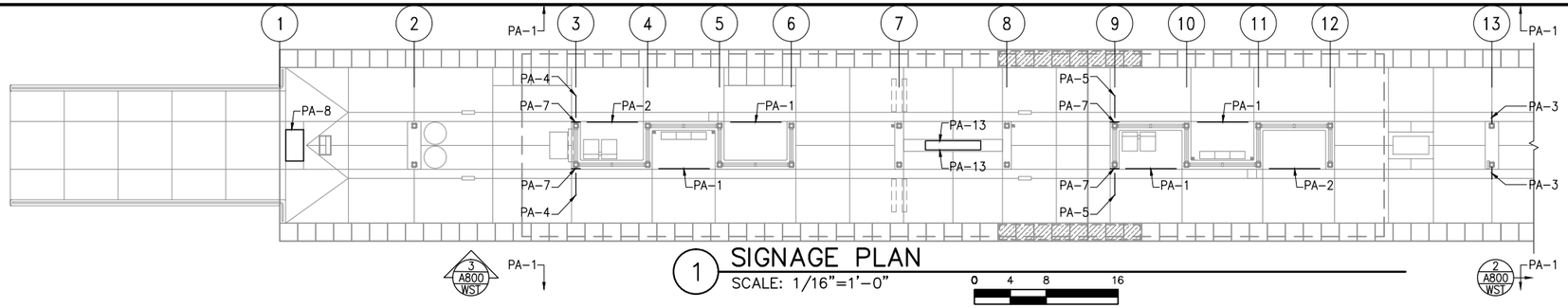
CIVIL - VOLUME 11C
WEST LAKE STATION
STAIR DETAILS

DISCIPLINE: ARCHITECTURE

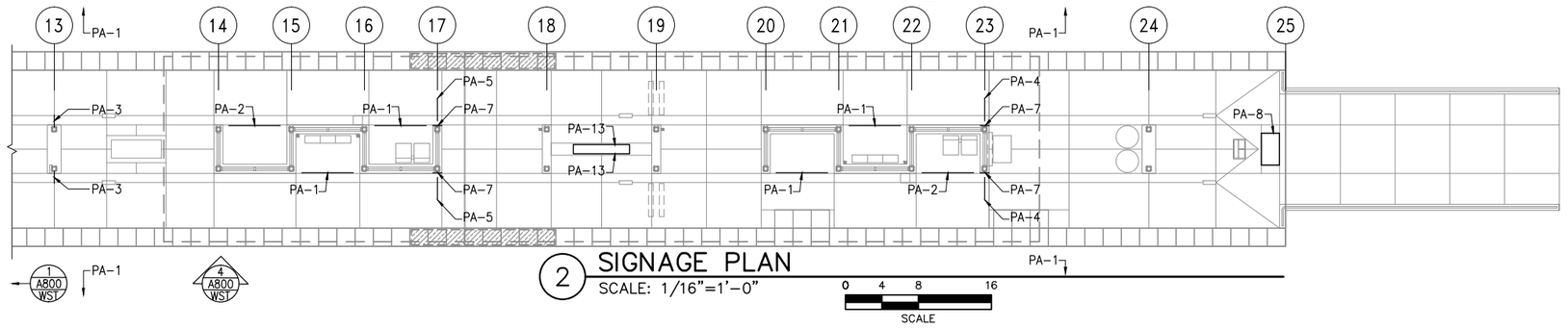
SHEET NAME: E3-WST-ARC-DTL-710

SHEET 399 OF 510

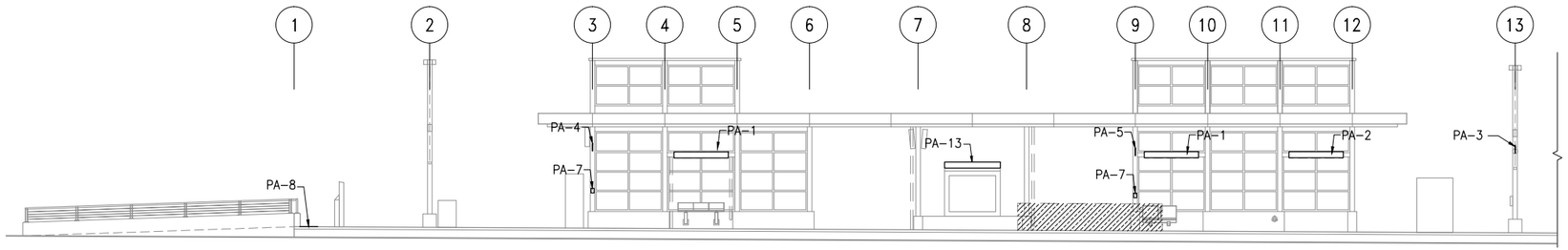
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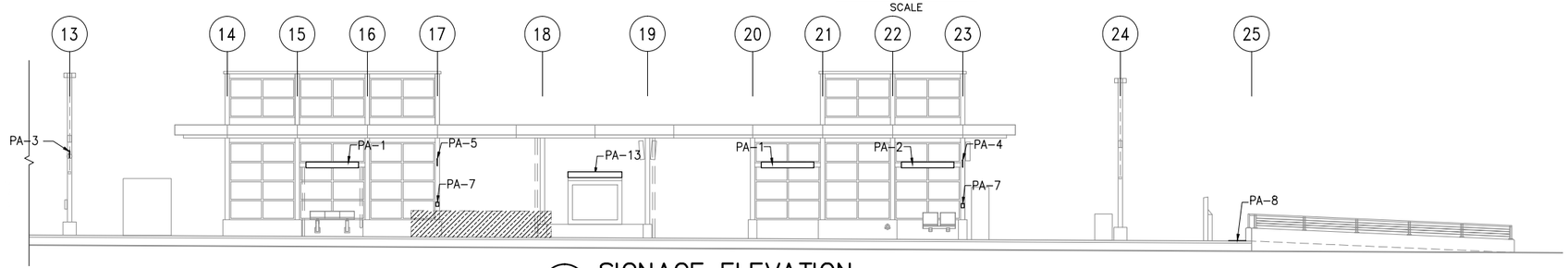
1 SIGNAGE PLAN
SCALE: 1/16"=1'-0"
0 4 8 16
SCALE



2 SIGNAGE PLAN
SCALE: 1/16"=1'-0"
0 4 8 16
SCALE



3 SIGNAGE ELEVATION
SCALE: 1/16"=1'-0"
0 4 8 16
SCALE



4 SIGNAGE ELEVATION
SCALE: 1/16"=1'-0"
0 4 8 16
SCALE

GENERAL SHEET NOTES

1. ALL SIGNAGE MOUNTING HEIGHTS ARE FROM CENTER LINE AT BOTTOM EDGE TO TOP OF PLATFORM
2. FOR SIGNS PA-1, PA-4, PA-5 SEE SHEET DTL A801 FOR MOUNTING
3. FOR SIGNS PA-6, PA-12, PA-13, PA-14, PA-15, PA-16 SEE KIOSK AND CABINET DETAILS FOR MOUNTING
4. SEE VOLUME 11E FOR COMMON DETAILS

SIGNAGE KEY

PA-1 PA-2	1 / A801 / DTL
PA-3 PA-4 PA-5	2 / A801 / DTL
PA-6	3 / A801 / DTL
PA-7	4 / A801 / DTL
PA-8	5 / A801 / DTL
PA-12	6 / A801 / DTL
PA-13 PA-14	7 / A801 / DTL
PA-15	3 / A803 / DTL
PA-16	2 / A803 / DTL

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SOUTHWEST Green Line LRT Extension

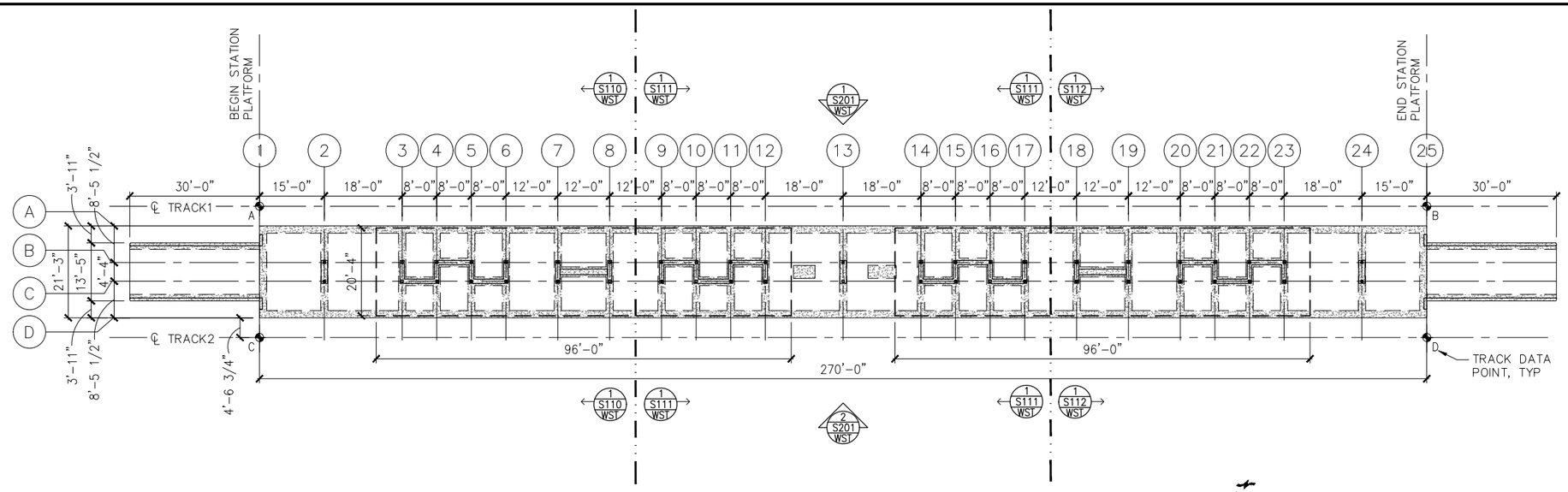
CIVIL - VOLUME 11C
WEST LAKE STATION
SIGNAGE PLANS AND ELEVATIONS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-WST-ARC-SGN-800

SHEET 400 OF 510

Jan, 18 2016 10:50 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-SGN-800.dwg By: V-ZasuleOB



1 PLATFORM FOUNDATION PLAN

SCALE: 1:30

0 7.5 15 30

SCALE

TRACK DATA

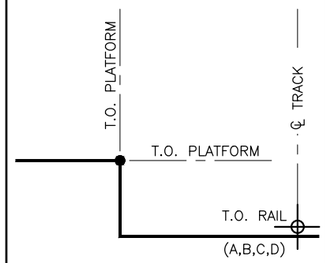
ELEV 100'-0" (LOCATION ON PLAN)

TRACK 1 EL 100'-0"= 874.43 (PT 'B')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING	
A	875.78	1765+95.03	
B	874.43	1768+65.03	

TRACK 2 EL 100'-0"= 874.43 (PT 'D')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING	
C	875.78	2765+95.03	
D	874.43	2768+65.03	



SECTION DIAGRAM AT PLATFORM EDGE

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SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
PLATFORM FOUNDATION PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-PLN-101

SHEET 401 OF 510

Jan, 14 2016 04:59 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WEST LAKE STATION\E3-WST-STR-PLN-101.dwg By: jordanl

WEST LAKE

WEST LAKE STATION PLATFORM

REFERENCE GRID	DISTANCE FROM BEGIN PLATFORM (FT)	T.O. TOPPING ELEVATION	T.O. STR. SLAB ELEVATION	T.O. TOPPING ELEVATION AT "L7"	B.O. BASEPLATE ELEVATION	T.O. WALL ELEVATION	T.O. LOWER HSS4X6 ELEVATION	T.O. UPPER HSS4X6 ELEVATION	T.O. W8X31 ELEVATION	T.O. W6X15 ELEVATION	T.O. HSS6X6X1/2 ELEVATION	H1 (T.O. SLAB TO T.O. WALL) (FT)
1	0	876.95	876.61	876.88								
2	15	876.87	876.54	876.80	875.12	878.37					895.37	1.83
3	33	876.78	876.45	876.71	875.03	878.64	885.14	890.31	888.81	895.31	895.31	2.19
4	41	876.74	876.41	876.67	874.99	878.64	885.14	890.31	888.81	895.31	895.31	2.23
5	49	876.70	876.37	876.63	874.95	878.64	885.14	890.31	888.81	895.31	895.31	2.27
6	57	876.66	876.33	876.59	874.91	878.64	885.14		888.81			2.31
7	**69**	**876.60**	**876.27**	**876.53**	**874.85**	**878.10**			**888.81**			**1.83**
8	**81**	**876.54**	**876.21**	**876.47**	**874.79**	**878.10**			**888.81**			**1.89**
9	93	876.48	876.15	876.41	874.73	878.64	885.14	890.31	888.81	895.31	895.31	2.49
10	101	876.44	876.11	876.37	874.69	878.64	885.14	890.31	888.81	895.31	895.31	2.53
11	109	876.40	876.07	876.33	874.65	878.64	885.14	890.31	888.81	895.31	895.31	2.57
12	117	876.36	876.03	876.29	874.61	878.64	885.14	890.31	888.81	895.31	895.31	2.61
13	135	876.27	875.94	876.20	874.52	877.77					894.77	1.83
14	153	876.18	875.85	876.11	874.43	878.04	884.54	889.71	888.21	894.71	894.71	2.19
15	161	876.14	875.81	876.07	874.39	878.04	884.54	889.71	888.21	894.71	894.71	2.23
16	169	876.10	875.77	876.03	874.35	878.04	884.54	889.71	888.21	894.71	894.71	2.27
17	177	876.06	875.73	875.99	874.31	878.04	884.54	889.71	888.21	894.71	894.71	2.31
18	**189**	**876.00**	**875.67**	**875.93**	**874.25**	**877.50**			**888.21**			**1.83**
19	**201**	**875.94**	**875.61**	**875.87**	**874.19**	**877.50**			**888.21**			**1.89**
20	213	875.88	875.55	875.81	874.13	878.04	884.54		888.21			2.49
21	221	875.84	875.51	875.77	874.09	878.04	884.54	889.71	888.21	894.71	894.71	2.53
22	229	875.80	875.47	875.73	874.05	878.04	884.54	889.71	888.21	894.71	894.71	2.57
23	237	875.76	875.43	875.69	874.01	878.04	884.54	889.71	888.21	894.71	894.71	2.61
24	255	875.67	875.34	875.60	873.92	877.17					894.17	1.83
25	270	875.60	875.26	875.53								

GENERAL NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.

REFERENCE TABLE NOTES

1. TOP OF PLATFORM ELEVATION (TOPPING SLAB) SHALL BE 4"(±) ABOVE TOP OF STRUCTURAL SLAB ELEVATION AS INDICATED IN TABLE.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

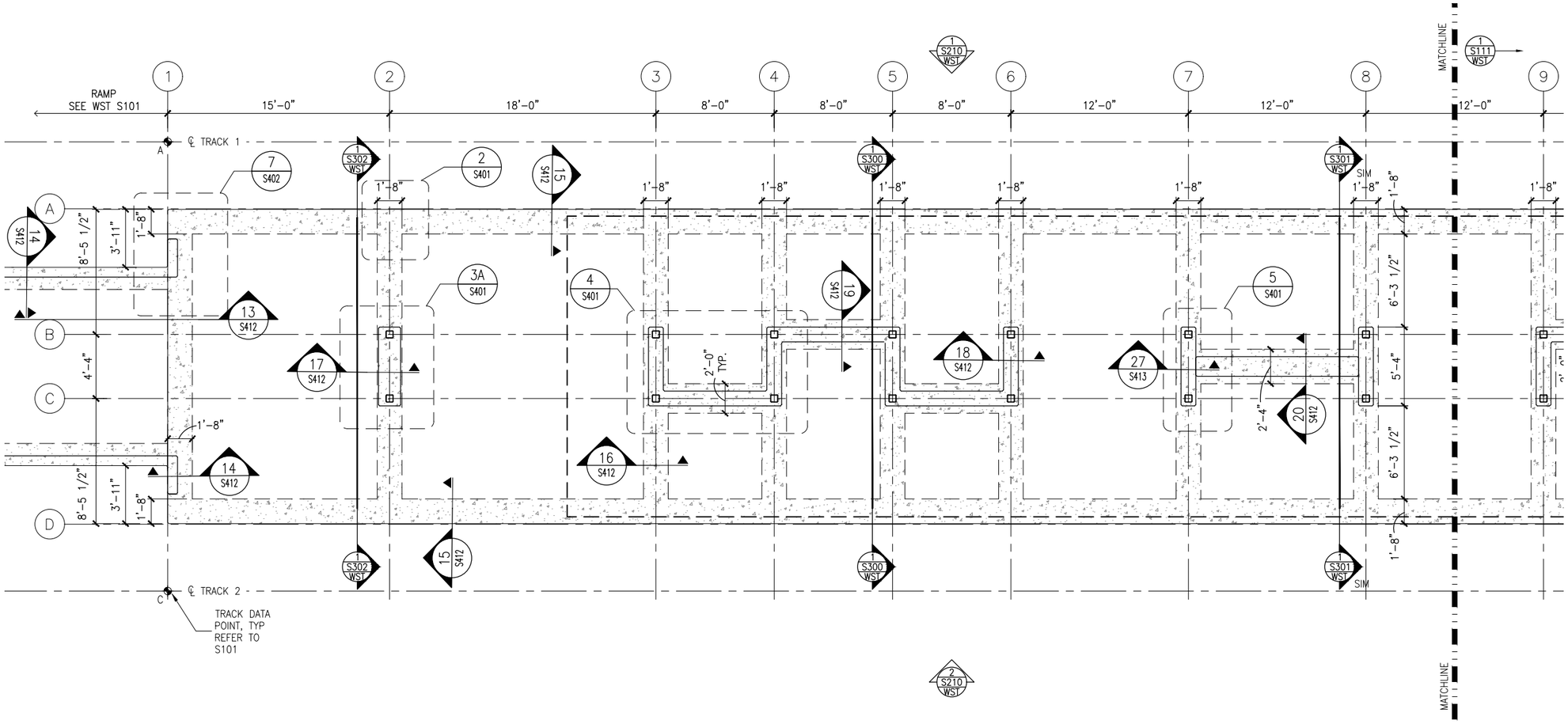
CIVIL - VOLUME 11C
WEST LAKE STATION
STATION REFERENCE TABLE

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-SCH-102

SHEET 402 OF 510

Jan, 14 2016 05:03 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WEST LAKE STATION\E3-WST-STR-SCH-102.dwg By: jordanl



1 WEST PARTIAL FOUNDATION PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.
3. SEE VOLUME 11E FOR COMMON DETAILS.

FLOOR PLAN NOTES

1. FOR HEIGHTS AND LOCATIONS OF KNEE WALLS, SEE ARCH. DWGS.
2. FOR TYPICAL COLUMN BASE PLATE DETAILS SEE DWG. XXXXXX.
3. "GB-X" INDICATES GRADE BEAM MARK.
4. SLAB ON GRADE SHALL BEAR ON ENGINEERED FILL, REINF. W/ 4x4-W4.0xW4.0 W.W.F. TOP, W/ 1" CLR. COVER.

SCHEDULES or LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

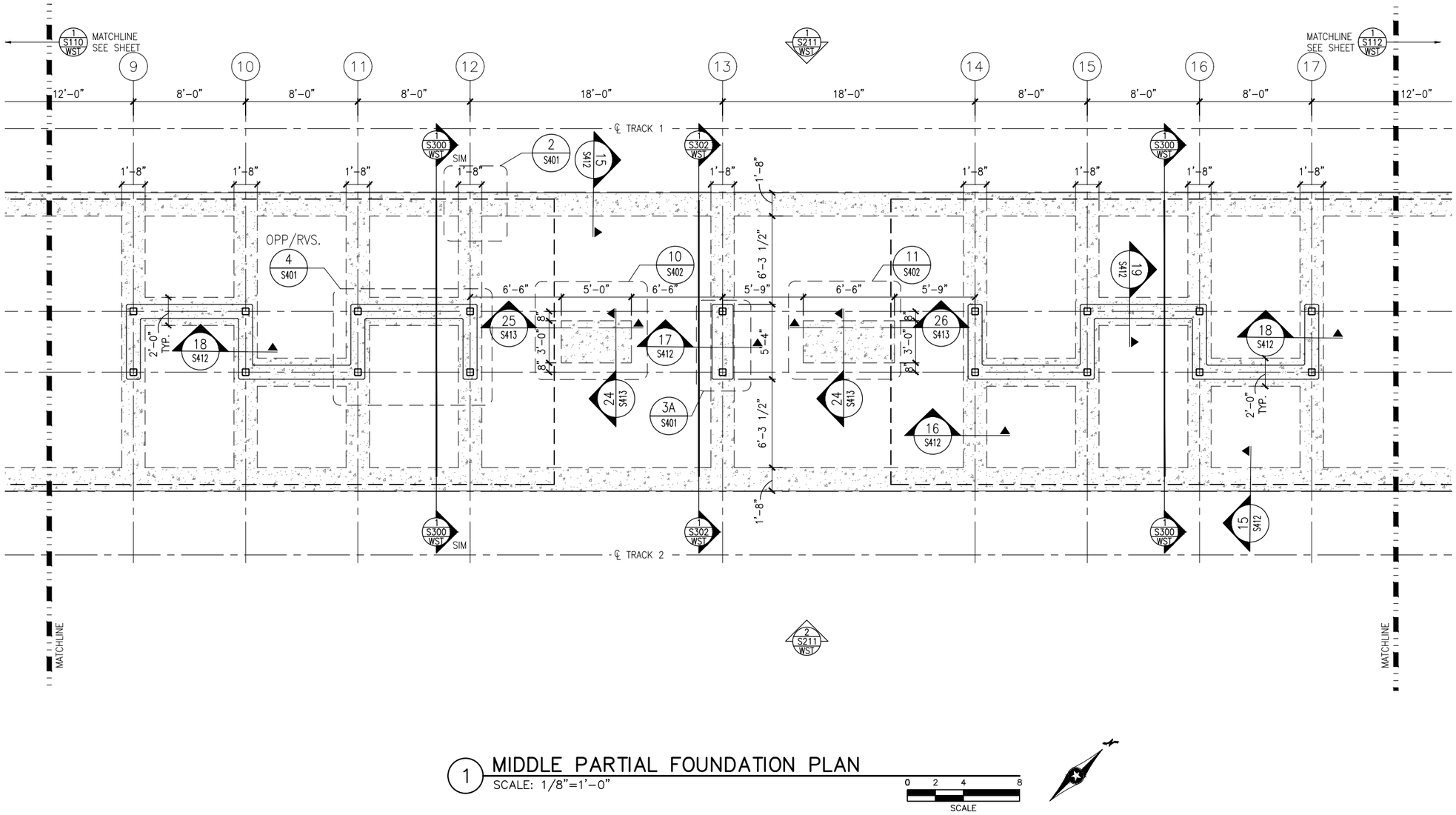
CIVIL - VOLUME 11C
WEST LAKE STATION
WEST PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-PLN-110

SHEET 403 OF 510

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1 MIDDLE PARTIAL FOUNDATION PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.
3. SEE VOLUME 11E FOR COMMON DETAILS.

FLOOR PLAN NOTES

1. FOR HEIGHTS AND LOCATIONS OF KNEE WALLS, SEE ARCH. DWGS.
2. FOR TYPICAL COLUMN BASE PLATE DETAILS SEE DWG. XXXXXX.
3. "GB-X" INDICATES GRADE BEAM MARK.
4. SLAB ON GRADE SHALL BEAR ON ENGINEERED FILL, REINF. W/ 4x4-W4.0xW4.0 W.W.F. TOP, W/ 1" CLR. COVER.

SCHEDULES or LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

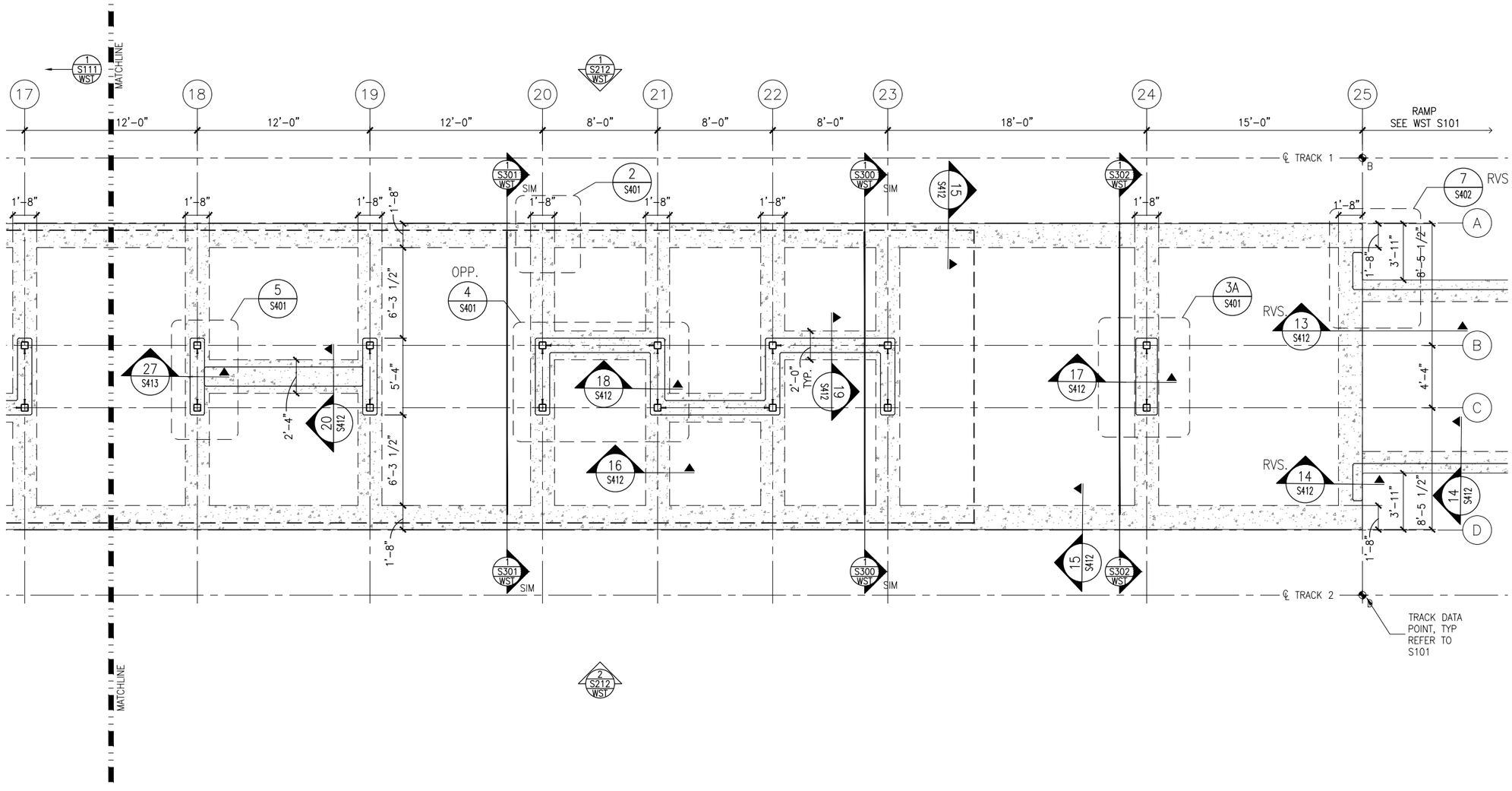
CIVIL - VOLUME 11C
WEST LAKE STATION
MIDDLE PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-PLN-111

SHEET 404 OF 510

Jan, 14 2016 05:03 pm K:\Projects\Minneapolis_Light_Rail\Station_Structural_Drawings\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WEST LAKE STATION\E3-WST-STR-PLN-111.dwg By: jordanl



1 EAST PARTIAL FOUNDATION PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

GENERAL NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
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3. SEE VOLUME 11E FOR COMMON DETAILS.

FLOOR PLAN NOTES

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SCHEDULES or LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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SOUTHWEST Green Line LRT Extension

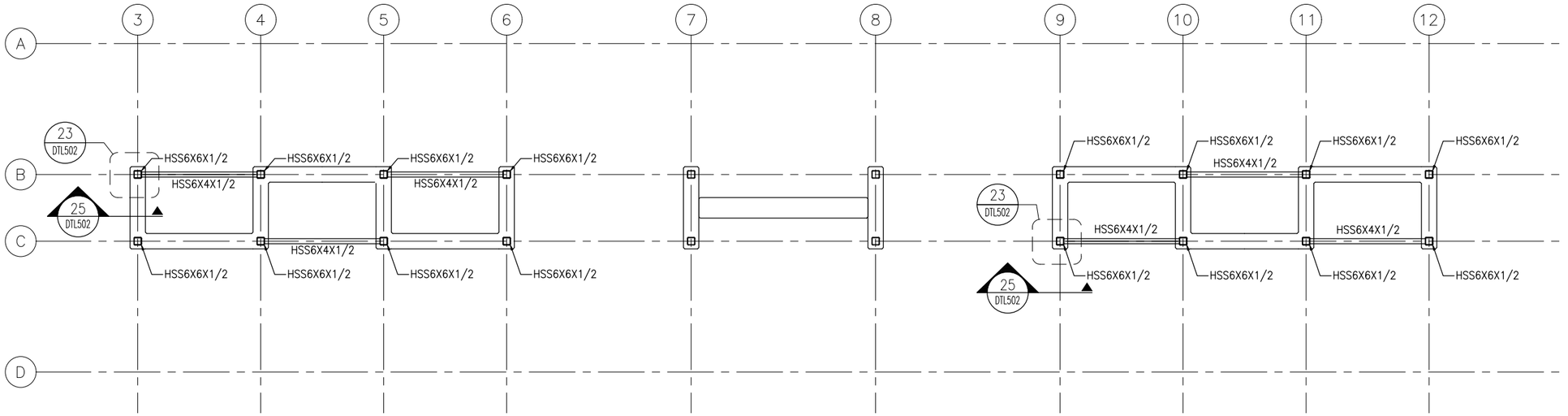
CIVIL - VOLUME 11C
WEST LAKE STATION
EAST PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES

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SHEET 405 OF 510

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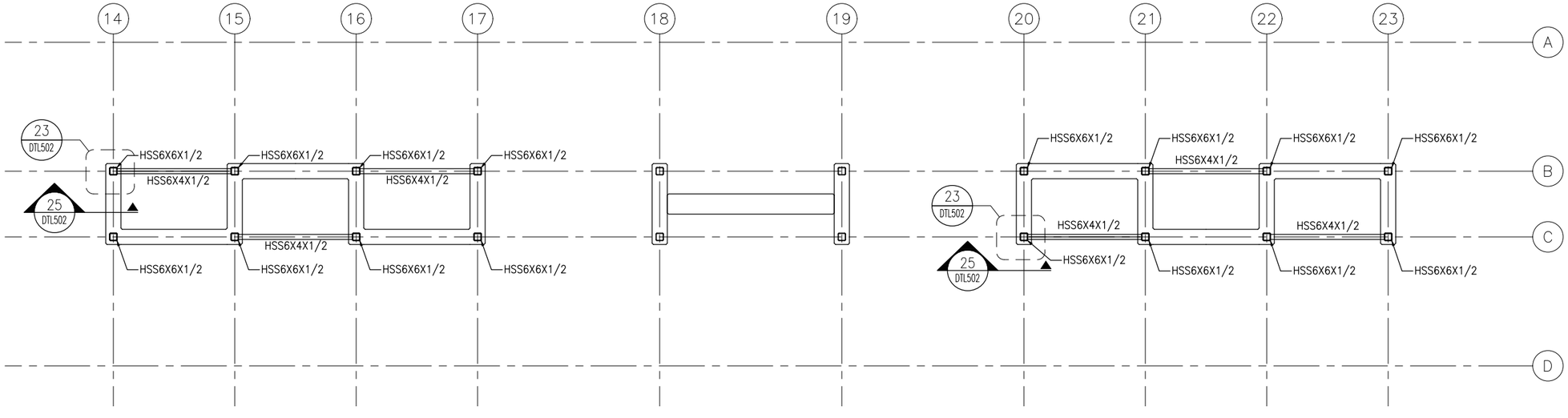


1 INTERMEDIATE FRAMING PLAN – WEST CANOPY

SCALE: 1/8"=1'–0"

0 2 4 8

SCALE



2 INTERMEDIATE FRAMING PLAN – EAST CANOPY

SCALE: 1/8"=1'–0"

0 2 4 8

SCALE

SHEET NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.
3. SEE VOLUME 11E FOR COMMON DETAILS.

KEY NOTES

1. [ ] INDICATES SPAN DIRECTION OF ROOF METAL DECK. SEE ARCH. DWGS.
2. [ ] DENOTES PREQUALIFIED SHOP OR FIELD WELDED CONNECTION.
3. BC DENOTES BOLTED CONNECTION, FOR TYPICAL BEAM TO BEAM BOLTED CONNECTIONS AND SIMILAR DETAILS SEE DWG. XXXXXXX & XXXXXXX

LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

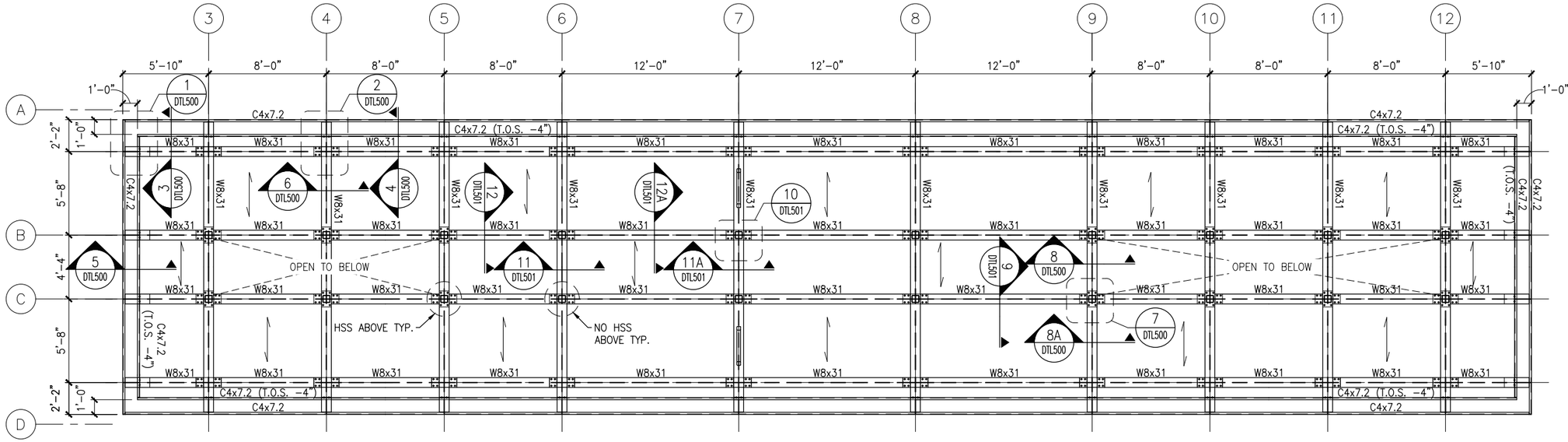
CIVIL - VOLUME 11C
WEST LAKE STATION
INTERMEDIATE FRAMING PLANS

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-PLN-140

SHEET 406 OF 510

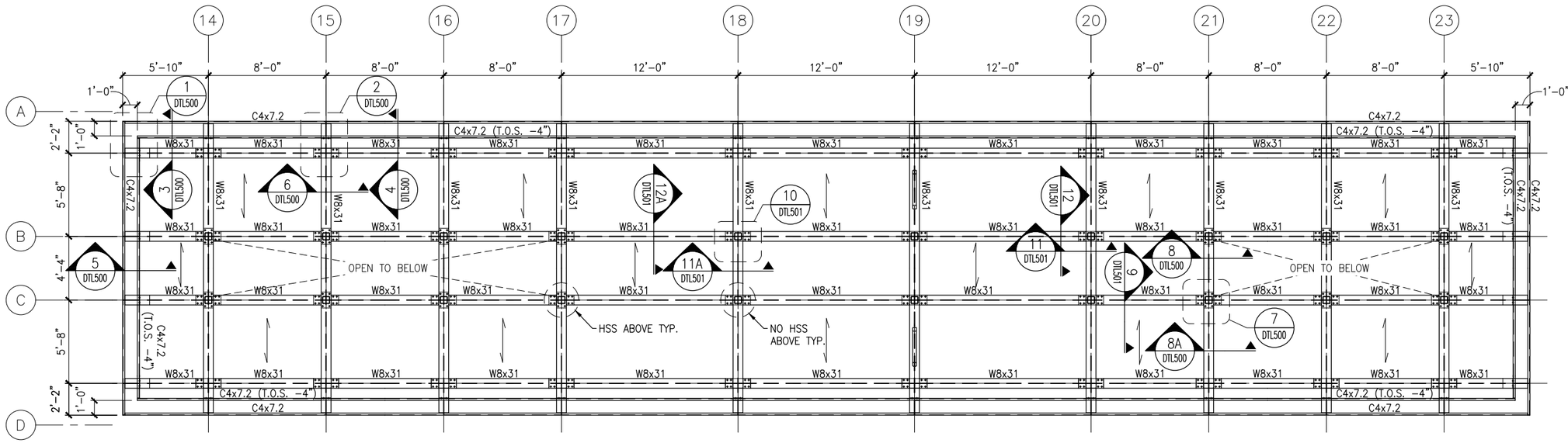
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1 LOWER ROOF FRAMING PLAN – WEST CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 LOWER ROOF FRAMING PLAN – EAST CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

SHEET NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
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3. SEE VOLUME 11E FOR COMMON DETAILS.

KEY NOTES

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2. [ ] DENOTES PREQUALIFIED SHOP OR FIELD WELDED CONNECTION.
3. BC DENOTES BOLTED CONNECTION, FOR TYPICAL BEAM TO BEAM BOLTED CONNECTIONS AND SIMILAR DETAILS SEE DWG. XXXXXXX & XXXXXXX

LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

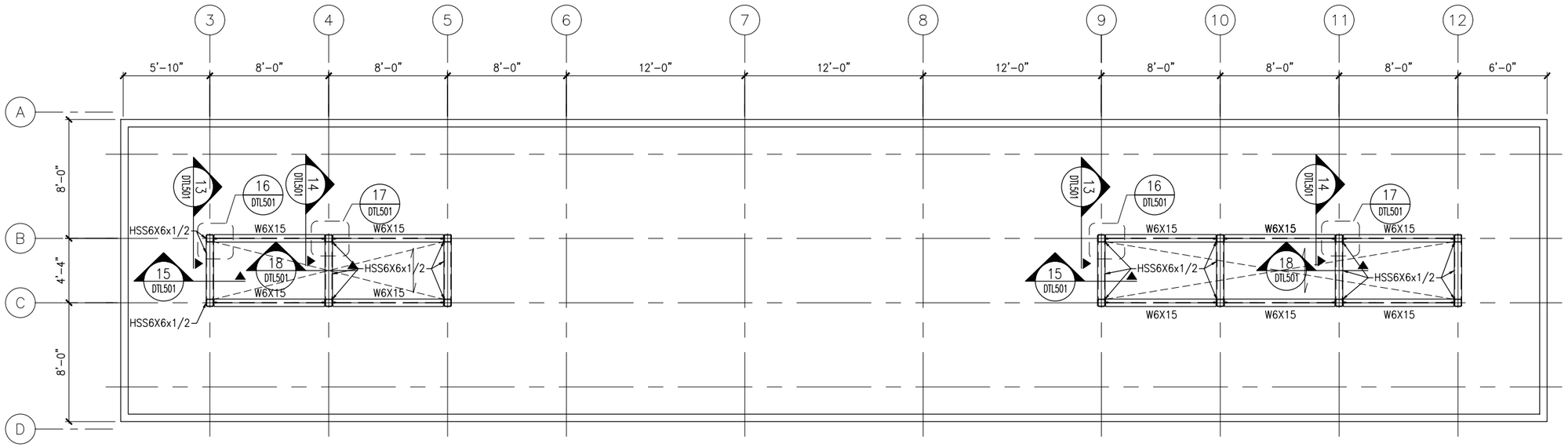
CIVIL - VOLUME 11C
WEST LAKE STATION
LOWER ROOF FRAMING PLANS

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-PLN-150

SHEET 407 OF 510

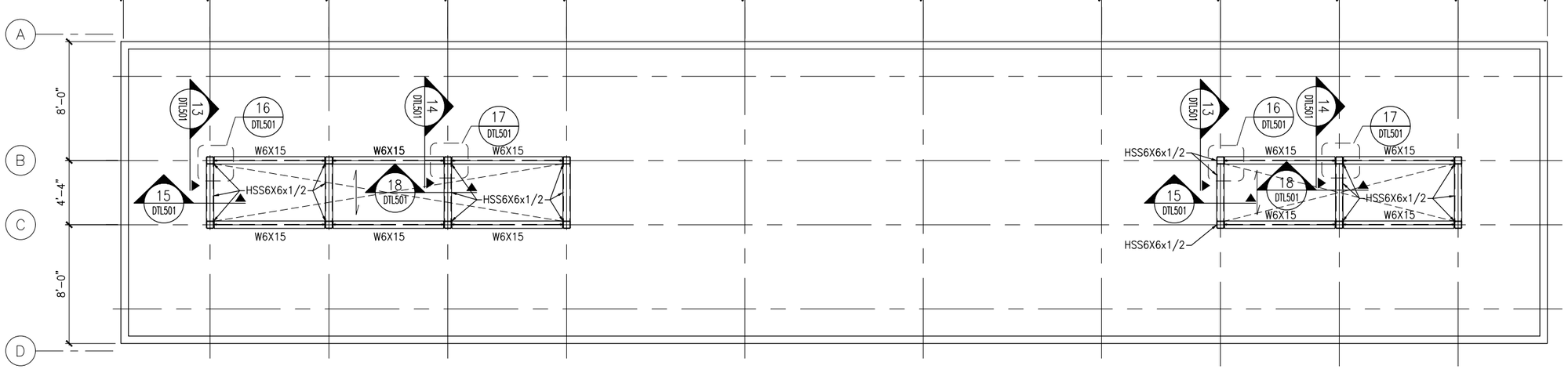
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1 UPPER ROOF FRAMING PLAN – WEST CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 UPPER ROOF FRAMING PLAN – EAST CANOPY

SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

SHEET NOTES

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS DETAILS AND FIELD VERIFICATION.
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LEGEND

STEEL COLUMN

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

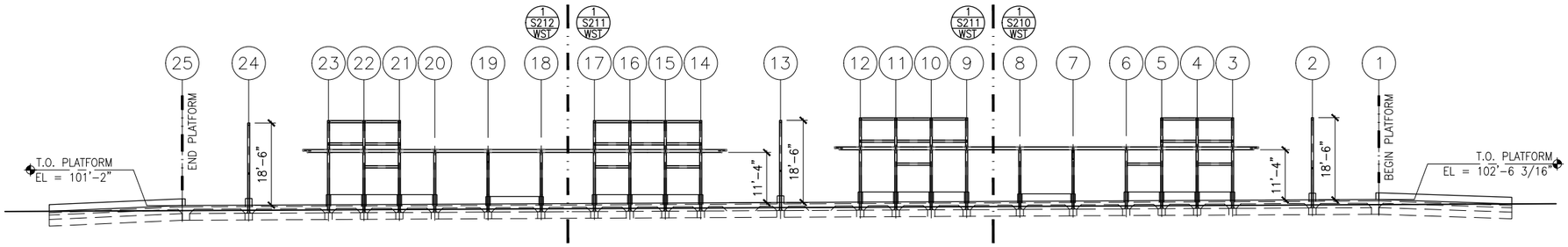
CIVIL - VOLUME 11C
WEST LAKE STATION
UPPER ROOF FRAMING PLANS

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-PLN-151

SHEET 408 OF 510

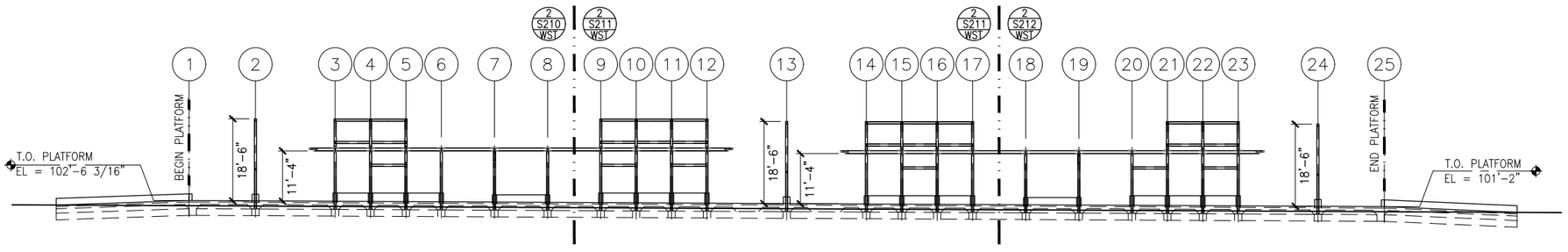
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1 TRACK 1 ELEVATION – FRAMING

SCALE: 1:30 (–0.50% SLOPE)*

0 7.5 15 30
SCALE



2 TRACK 2 ELEVATION – FRAMING

SCALE: 1:30 (–0.50% SLOPE)*

0 7.5 15 30
SCALE

*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

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SOUTHWEST Green Line LRT Extension

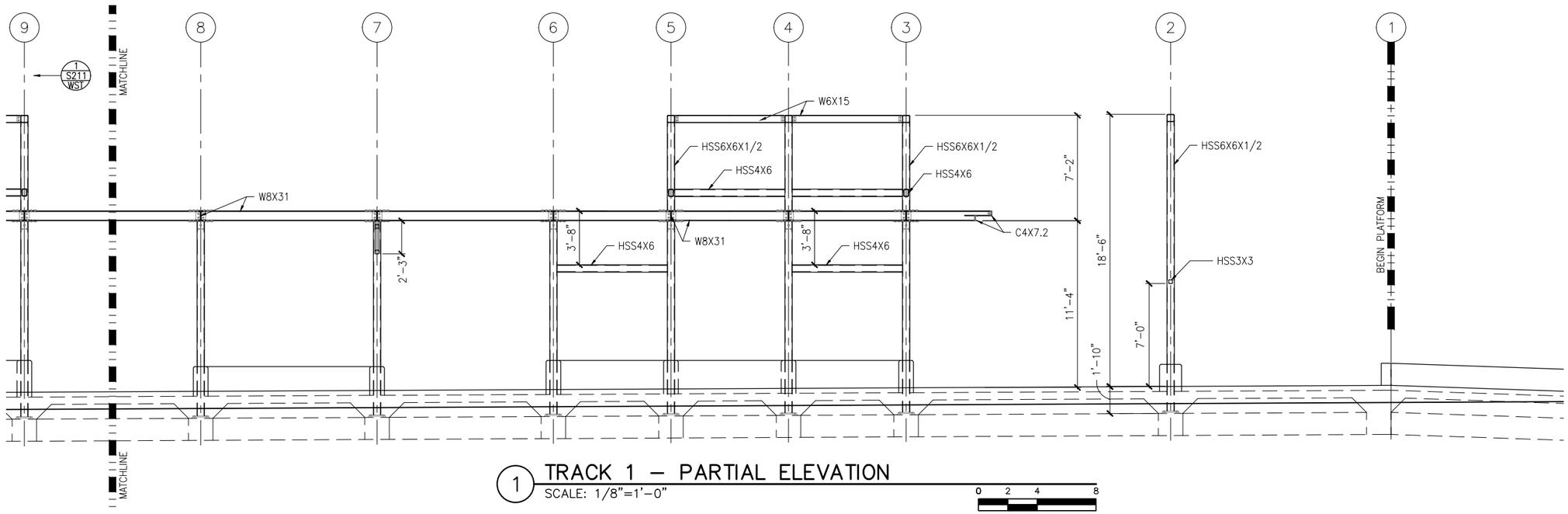
CIVIL - VOLUME 11C
WEST LAKE STATION
ELEVATIONS -- FRAMING

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-ELV-201

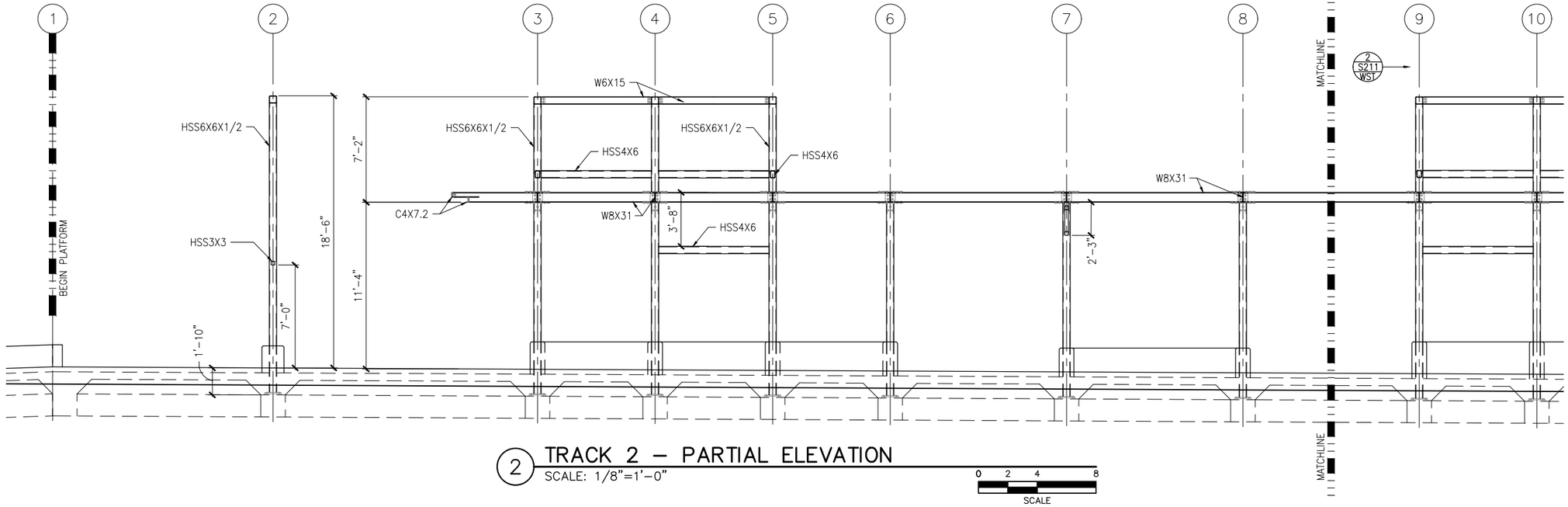
SHEET 409 OF 510

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1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

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SOUTHWEST Green Line LRT Extension

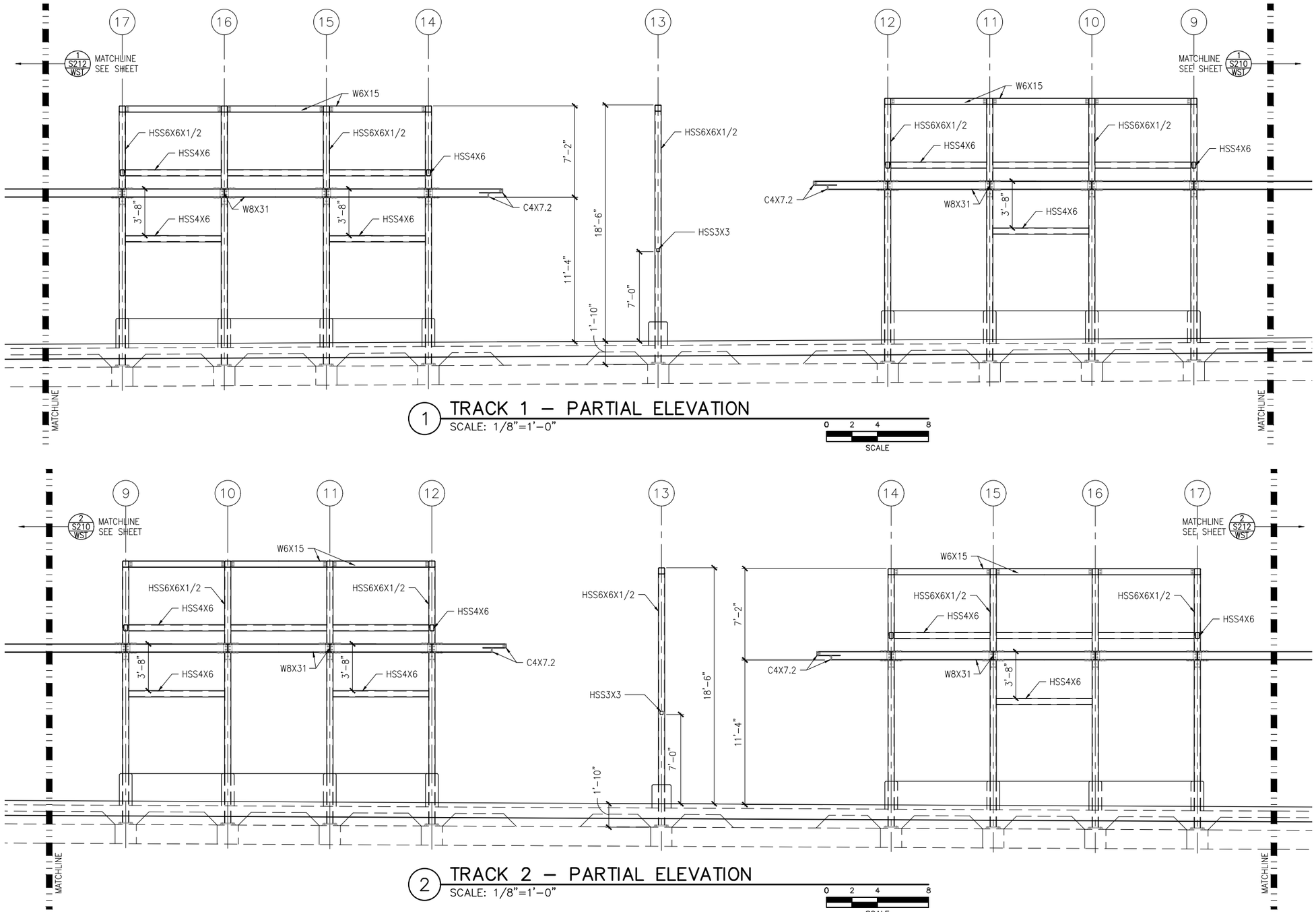
CIVIL - VOLUME 11C
WEST LAKE STATION
WEST PARTIAL ELEVATIONS -- FRAMING

SHEET 410 OF 510

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-ELV-210

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1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

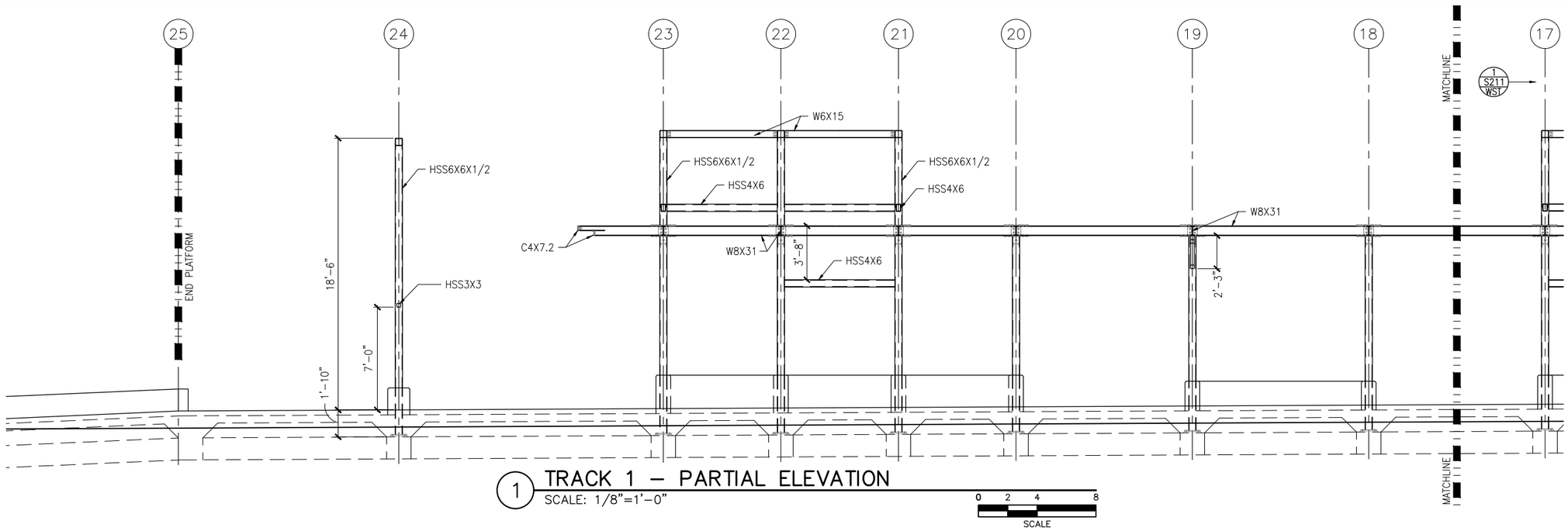
CIVIL - VOLUME 11C
WEST LAKE STATION
MIDDLE PARTIAL ELEVATIONS -- FRAMING

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-ELV-211

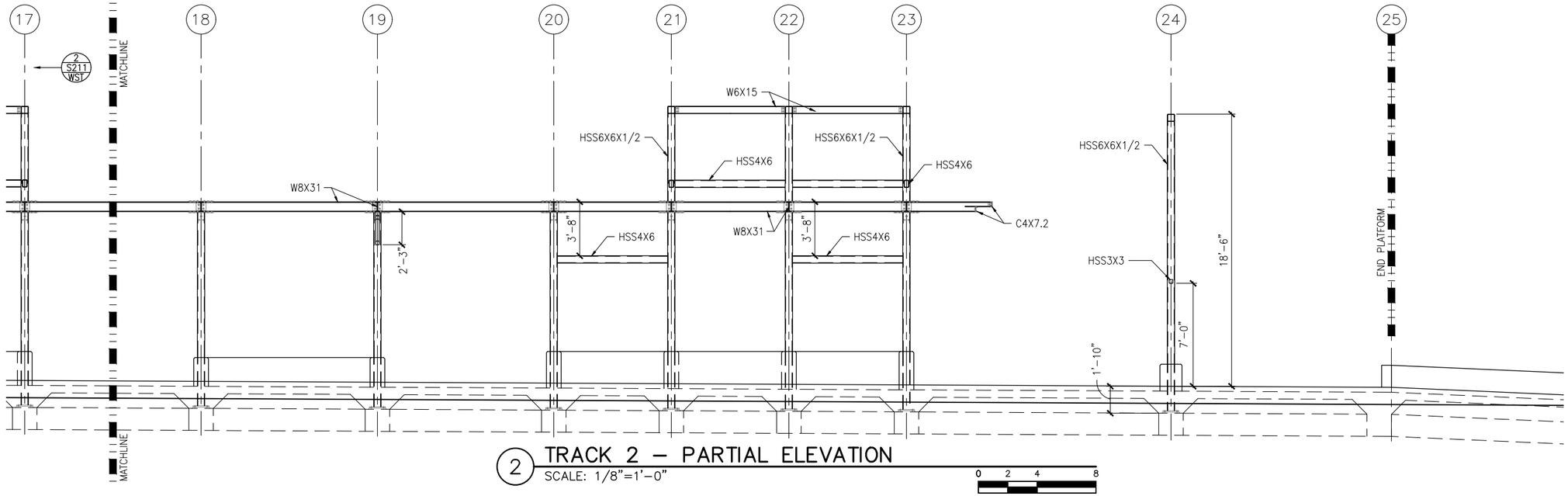
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1 TRACK 1 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



2 TRACK 2 – PARTIAL ELEVATION
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

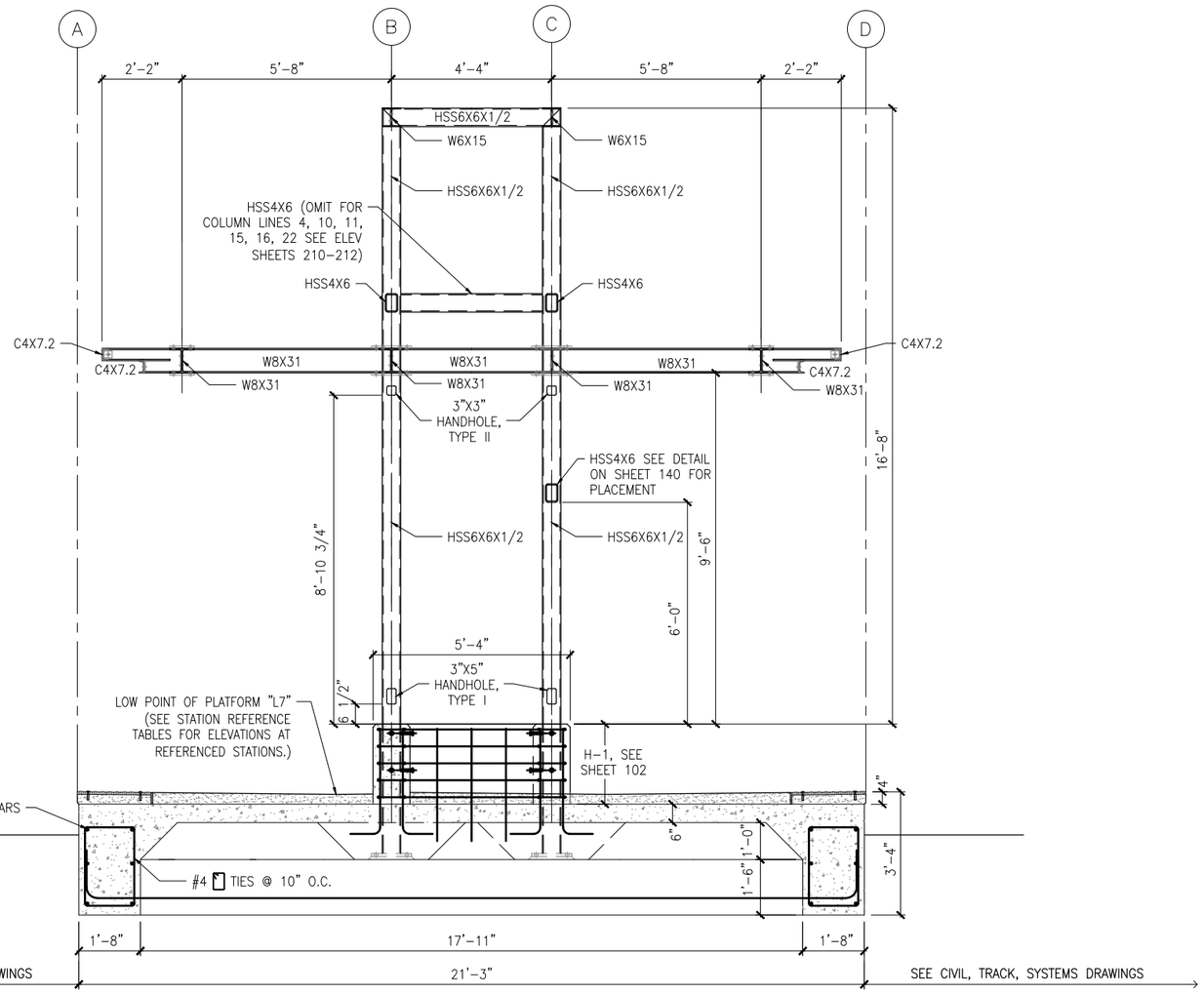
CIVIL - VOLUME 11C
WEST LAKE STATION
EAST PARTIAL ELEVATIONS -- FRAMING

SHEET 412 OF 510

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-ELV-212

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1 TYPICAL PLATFORM SECTION

SCALE: 1/4"=1'-0"

0 1 2 4 SCALE

TYPICAL AT COL. LINES 3, 4, 5, 9, 10, 11, 12, 14, 15, 16, 17, 21, 22, 23

HSS4X6 LOCATED ON COL. LINE B BETWEEN COLUMNS 3-4, 5-6, 10-11, 14-15, 16-17, 21-22

HSS4X6 LOCATED ON COL. LINE C BETWEEN COLUMNS 4-5, 9-10, 11-12, 15-16, 20-21, 22-23

SEE PLN FOR LOCATION OF CONC FDN WALL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

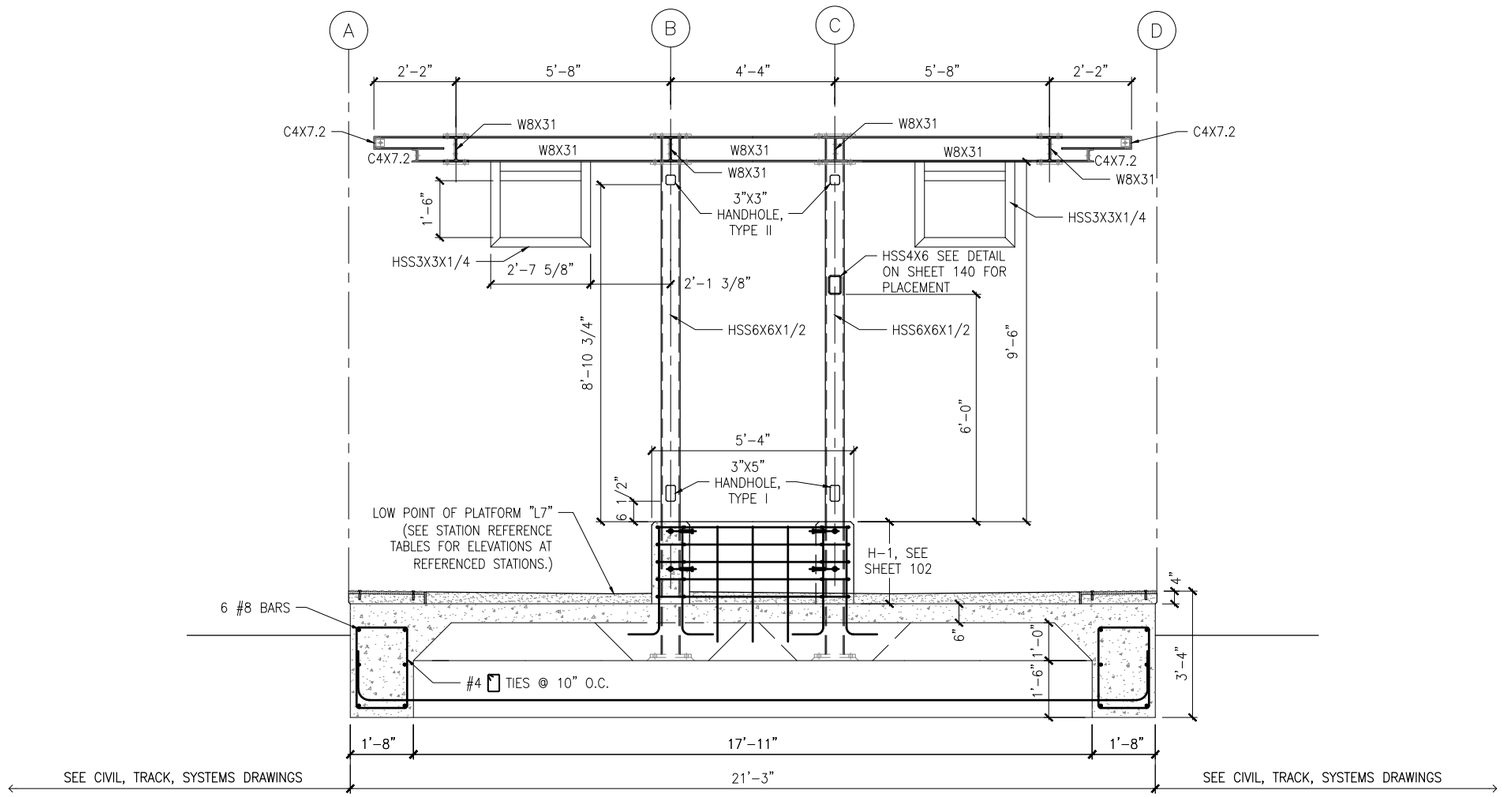
CIVIL - VOLUME 11C
WEST LAKE STATION
TYPICAL PLATFORM SECTION

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-SCT-300

SHEET 413 OF 510

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1 TYPICAL PLATFORM SECTION

SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

TYPICAL AT COL. LINES 6, 7, 8, 18, 19, 20
HSS4X6 LOCATED ON COL. LINE B BETWEEN COLUMNS 3-4, 5-6, 10-11, 14-15, 16-17, 21-22
HSS4X6 LOCATED ON COL. LINE C BETWEEN COLUMNS 4-5, 9-10, 11-12, 15-16, 20-21, 22-23
HSS4X6 NOT INSTALLED AT COL. LINES 7, 8, 18, 19
SEE PLN FOR LOCATION OF CONC FDN WALL
VMS SUPPORTS AT COL. LINES 7 & 19

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

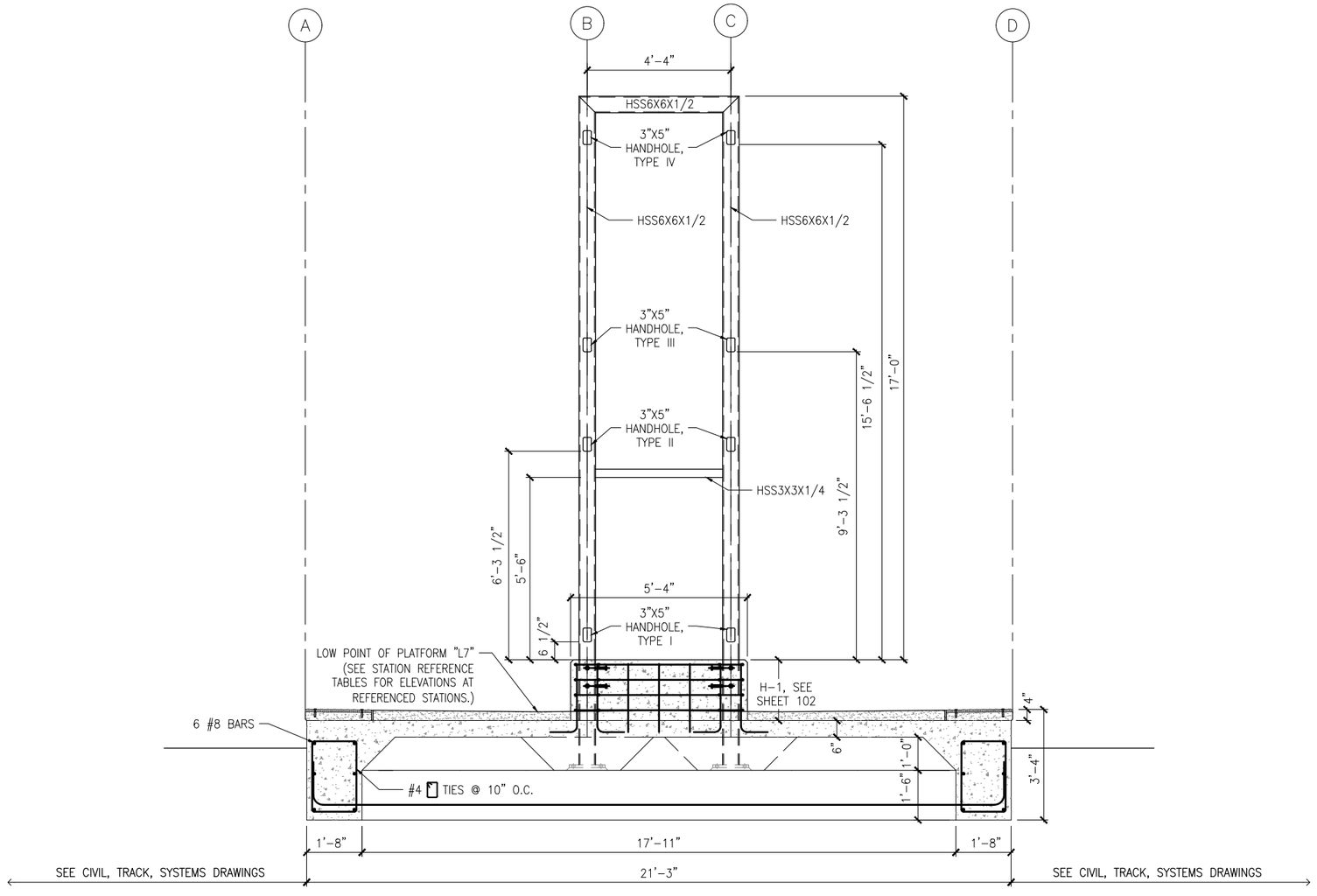
CIVIL - VOLUME 11C
WEST LAKE STATION
TYPICAL PLATFORM SECTION

SHEET 414 OF 510

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-SCT-301

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1 TYPICAL PLATFORM SECTION AT WICKET

SCALE: 1/4"=1'-0"
TYPICAL AT COL. LINES 2,13,24

0 1 2 4
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

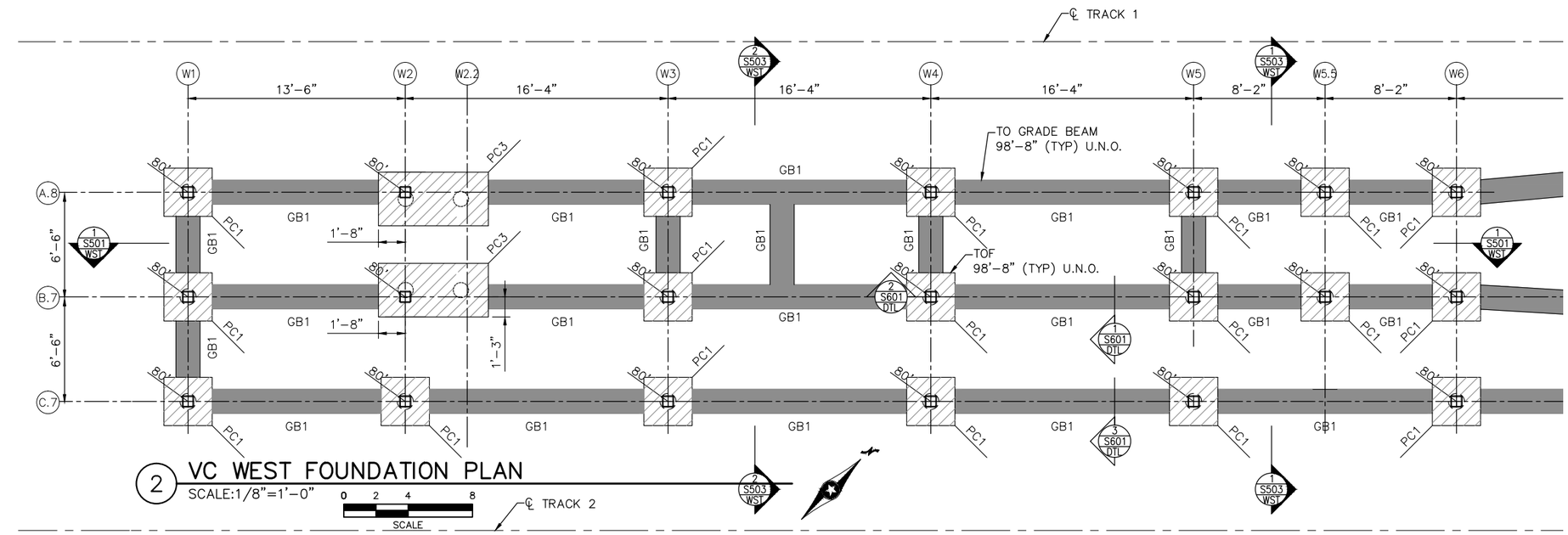
CIVIL - VOLUME 11C
WEST LAKE STATION
TYPICAL PLATFORM SECTION

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-SCT-302

SHEET 415 OF 510

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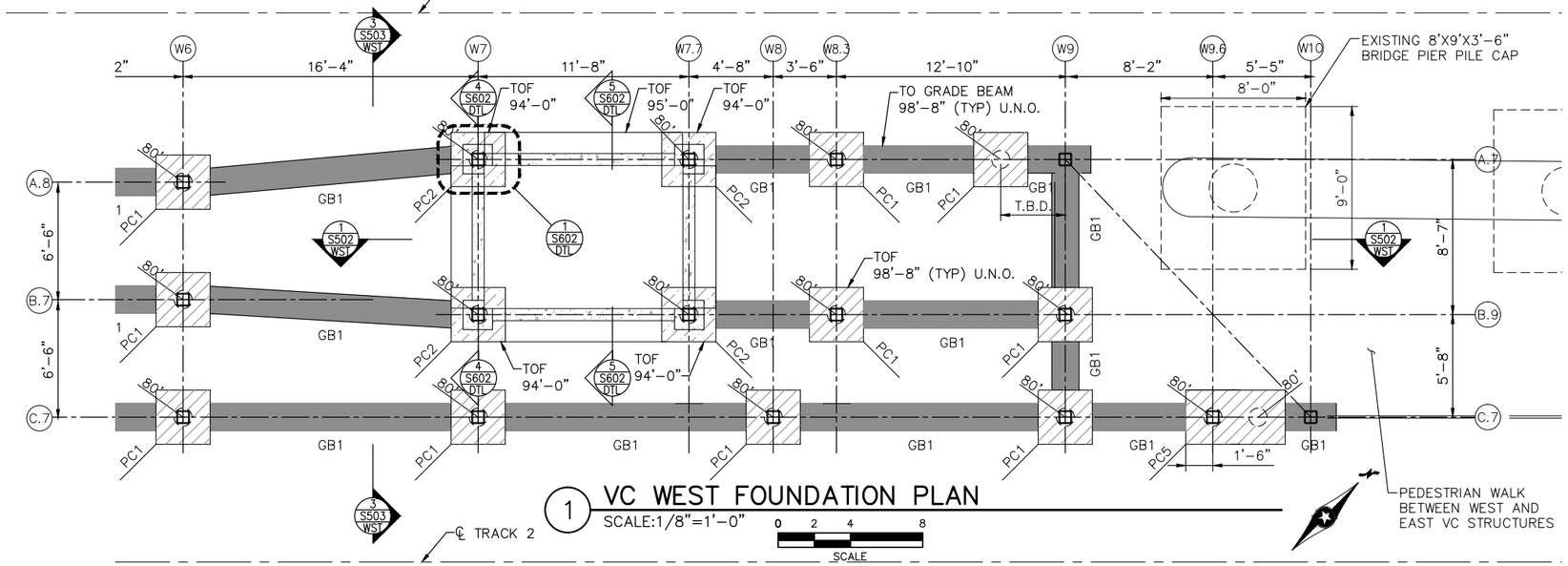


2 VC WEST FOUNDATION PLAN

SCALE:1/8"=1'-0"

0 2 4 8

SCALE



1 VC WEST FOUNDATION PLAN

SCALE:1/8"=1'-0"

0 2 4 8

SCALE

PEDESTRIAN WALK BETWEEN WEST AND EAST VC STRUCTURES

GENERAL NOTES:

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS, DETAILS, AND FIELD VERIFICATION.

FOUNDATION NOTES:

1. COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED, THE FOLLOWING NOTES RELATING TO THE FOUNDATION PLAN SHALL GOVERN.
2. FOUNDATIONS SHALL BE CENTERED ON COLUMN GRID LINES, EG COLUMNS, WALLS, ETC. UNLESS NOTED OTHERWISE.
3. ALL FOUNDATION WORK RELATING TO THE INSTALLATION OF REBAR SHALL BE OBSERVED AND APPROVED BY THE ENGINEER.
4. WHERE SHOWN, BUT NOT SPECIFICALLY NOTED, PROVIDE STANDARD ACI 90° OR 180° HOOKS, AS APPLICABLE, TO REBAR.
5. FOUNDATION DESIGN IS BASED ON INFORMATION AND RECOMMENDATIONS PROVIDED BY AMERICAN ENGINEERING TESTING IN THEIR REPORT OF GEOTECHNICAL EXPLORATION AND REVIEW REPORT No. 01-6403.01 DATED 12/1/2015.
6. PERCHED GROUNDWATER MAY BE ENCOUNTERED WITHIN FOUNDATION EXCAVATIONS. REMOVE WATER TO FACILITATE FOUNDATION CONSTRUCTION.
7. SEE D0-STR-DTL-601 FOR PILE CAP AND GRADE BEAM SCHEDULE.

LEGEND:

TOF 96'-10" — DENOTES TOP OF FOOTING ELEVATION AT 96'-10"

100' — 12" CIP STEEL PILE 100' LENGTH

STEEL TUBE COLUMN – SEE FRAMING PLAN

CAST IN PLACE CONCRETE PILE CAP
SEE PILE CAP SCHEDULE FOR SIZE AND REINFORCEMENT

CAST IN PLACE CONCRETE GRADE BEAM
SEE GRADE BEAM SCHEDULE FOR SIZE AND REINFORCEMENT

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC WEST
FOUNDATION PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-PLN-401

SHEET 416 OF 510

Jan, 18 2016 09:41 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\416 E3-WST-STR-PLN-401.dwg By: scott.shepard

GENERAL NOTES:

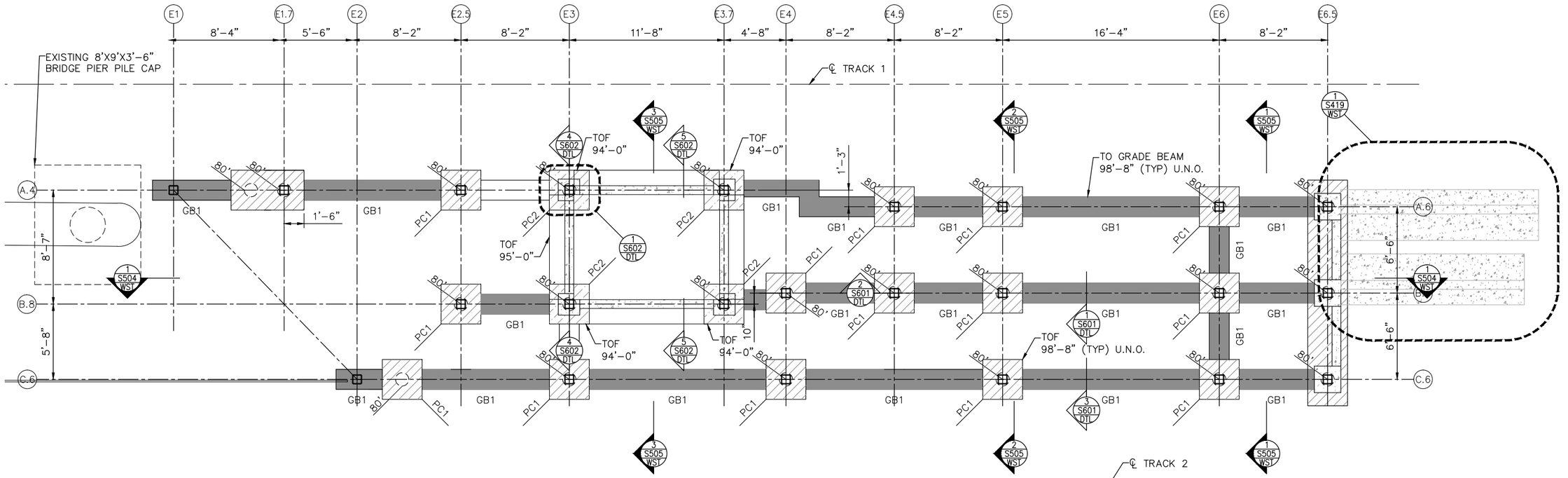
1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS, DETAILS, AND FIELD VERIFICATION.

FOUNDATION NOTES:

1. COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED, THE FOLLOWING NOTES RELATING TO THE FOUNDATION PLAN SHALL GOVERN.
2. FOUNDATIONS SHALL BE CENTERED ON COLUMN GRID LINES, EG COLUMNS, WALLS, ETC. UNLESS NOTED OTHERWISE.
3. ALL FOUNDATION WORK RELATING TO THE INSTALLATION OF REBAR SHALL BE OBSERVED AND APPROVED BY THE ENGINEER.
4. WHERE SHOWN, BUT NOT SPECIFICALLY NOTED, PROVIDE STANDARD ACI 90° OR 180° HOOKS, AS APPLICABLE, TO REBAR.
5. FOUNDATION DESIGN IS BASED ON INFORMATION AND RECOMMENDATIONS PROVIDED BY AMERICAN ENGINEERING TESTING IN THEIR REPORT OF GEOTECHNICAL EXPLORATION AND REVIEW REPORT No. 01-6403.01 DATED 12/1/2015.
6. PERCHED GROUNDWATER MAY BE ENCOUNTERED WITHIN FOUNDATION EXCAVATIONS. REMOVE WATER TO FACILITATE FOUNDATION CONSTRUCTION.
7. SEE STR-GEN-603 FOR FOUNDATION DETAILS.

LEGEND:

- TOF 96'-10" — DENOTES TOP OF FOOTING ELEVATION AT 96'-10"
- 100' — 12" CIP STEEL PILE 100' LENGTH
- STEEL TUBE COLUMN – SEE FRAMING PLAN
- CAST IN PLACE CONCRETE PILE CAP SEE PILE CAP SCHEDULE FOR SIZE AND REINFORCEMENT
- CAST IN PLACE CONCRETE GRADE BEAM SEE GRADE BEAM SCHEDULE FOR SIZE AND REINFORCEMENT



1 VC EAST FOUNDATION PLAN
SCALE:1/8"=1'-0"

0 2 4 8
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

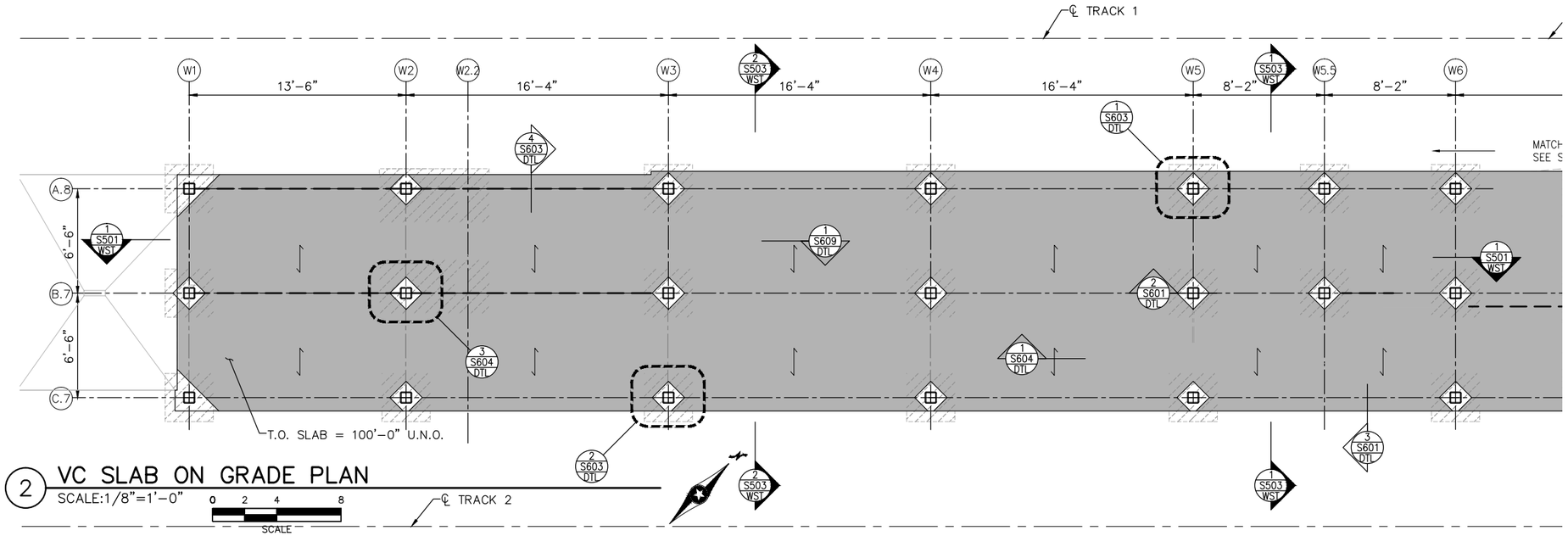
CIVIL - VOLUME 11C
WEST LAKE STATION
VC EAST
FOUNDATION PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-PLN-402

SHEET 417 OF 510

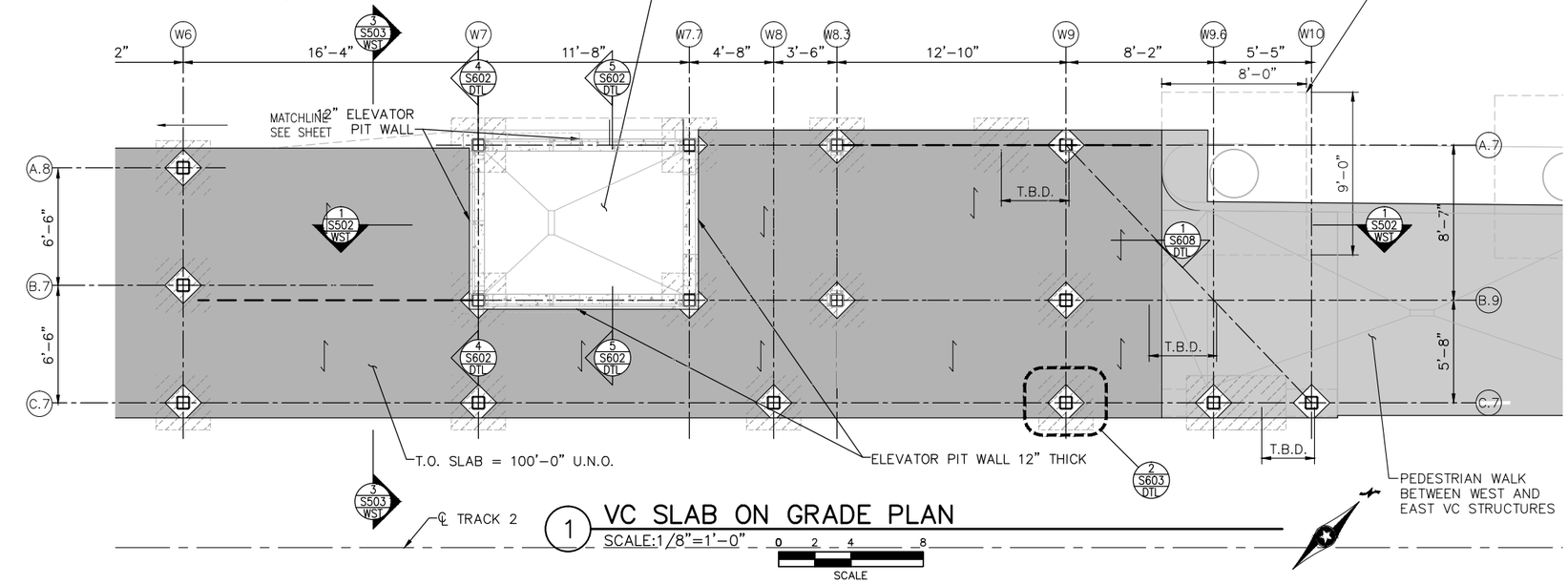
Jan, 18 2016 09:41 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\417 E3-WST-STR-PLN-402.dwg By: scott.shepard



2 VC SLAB ON GRADE PLAN

SCALE:1/8"=1'–0"

SCALE 0 2 4 8



1 VC SLAB ON GRADE PLAN

SCALE:1/8"=1'–0"

SCALE 0 2 4 8

GENERAL NOTES:

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS, DETAILS, AND FIELD VERIFICATION.

SLAB ON GRADE NOTES:

1. COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED, THE FOLLOWING NOTES RELATING TO THE SLAB ON GRADE PLAN SHALL GOVERN.
2. FOR FLOOR DRAIN LOCATIONS AND PITCH REFER TO ARCHITECTURAL PLANS.

LEGEND:

- STEEL TUBE COLUMN – SEE FRAMING PLANS
- CAST IN PLACE CONCRETE PILE CAP
- CAST IN PLACE CONCRETE GRADE BEAM
- 6" SLAB ON GRADE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC WEST
PLATFORM PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-PLN-403

SHEET 418 OF 510

Jan, 18 2016 09:42 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\418 E3-WST-STR-PLN-403.dwg By: scott.shepard

GENERAL NOTES:

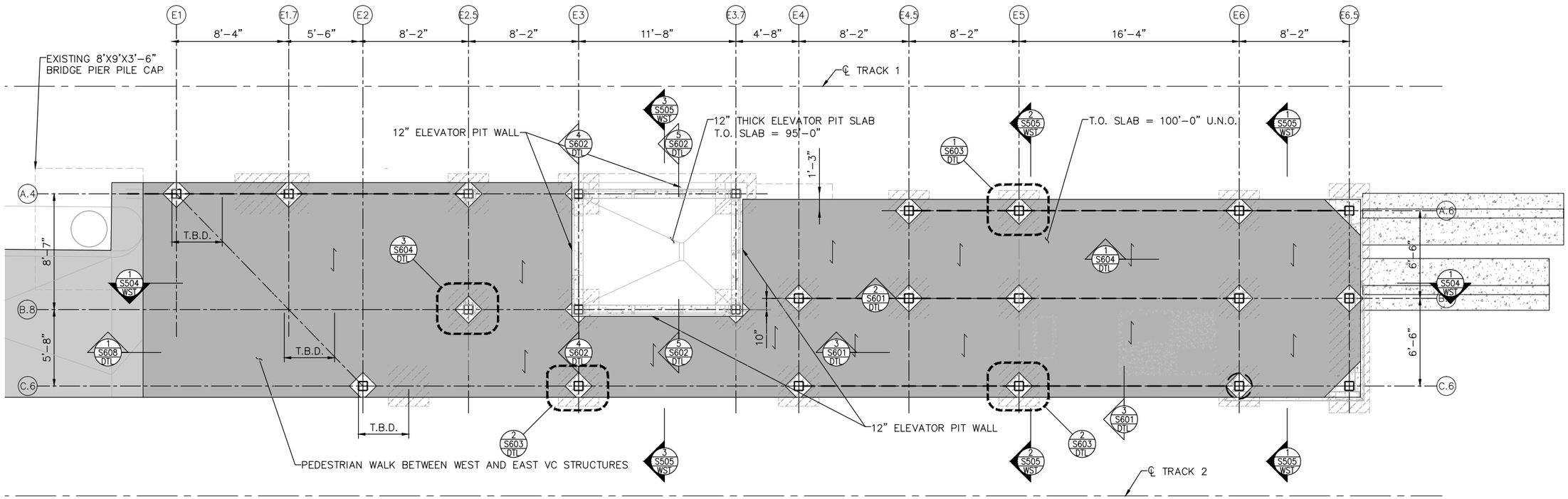
1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS, DETAILS, AND FIELD VERIFICATION.

SLAB ON GRADE NOTES:

1. COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED, THE FOLLOWING NOTES RELATING TO THE SLAB ON GRADE PLAN SHALL GOVERN.
2. FOR FLOOR DRAIN LOCATIONS AND PITCH REFER TO ARCHITECTURAL PLANS.
3. SEE STR-GEN-603 FOR SLAB ON GRADE DETAILS AND TYPICAL REINFORCEMENT.

LEGEND:

- STEEL TUBE COLUMN – SEE FRAMING PLANS
- CAST IN PLACE CONCRETE PILE CAP
- CAST IN PLACE CONCRETE GRADE BEAM
- 6" SLAB ON GRADE



1 VC EAST SLAB ON GRADE PLAN

SCALE:1/8"=1'-0"

0 2 4 8

SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

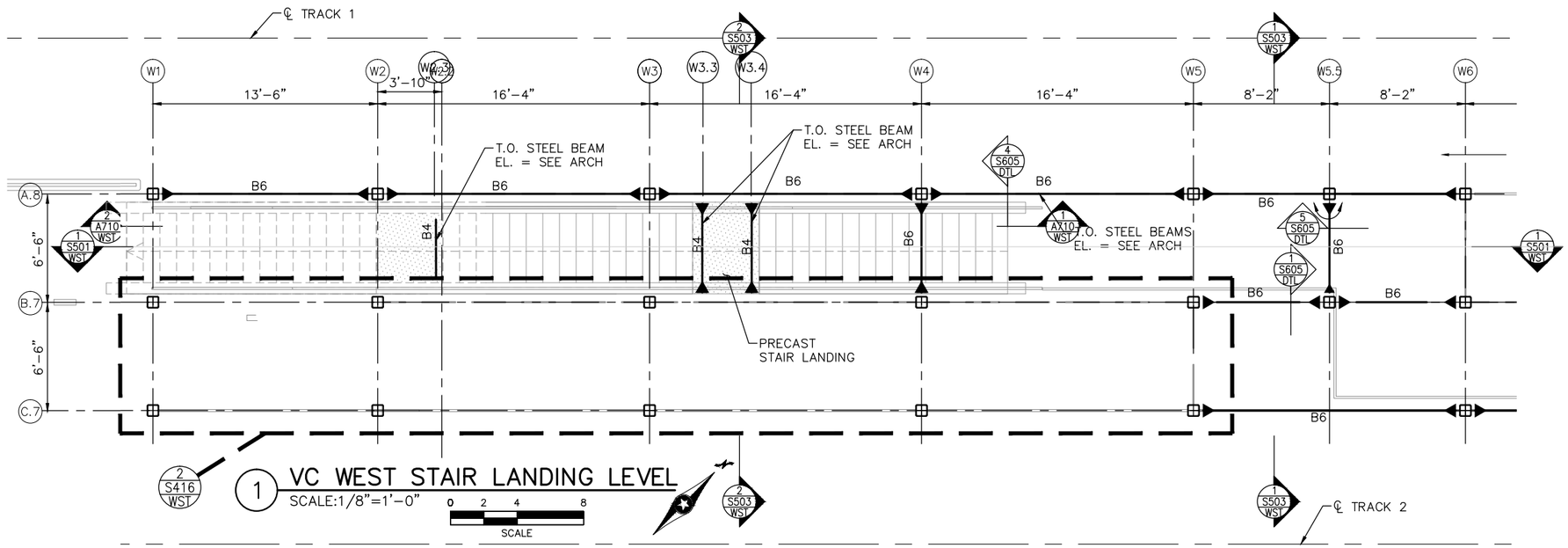
CIVIL - VOLUME 11C
WEST LAKE STATION
VC EAST
PLATFORM PLAN

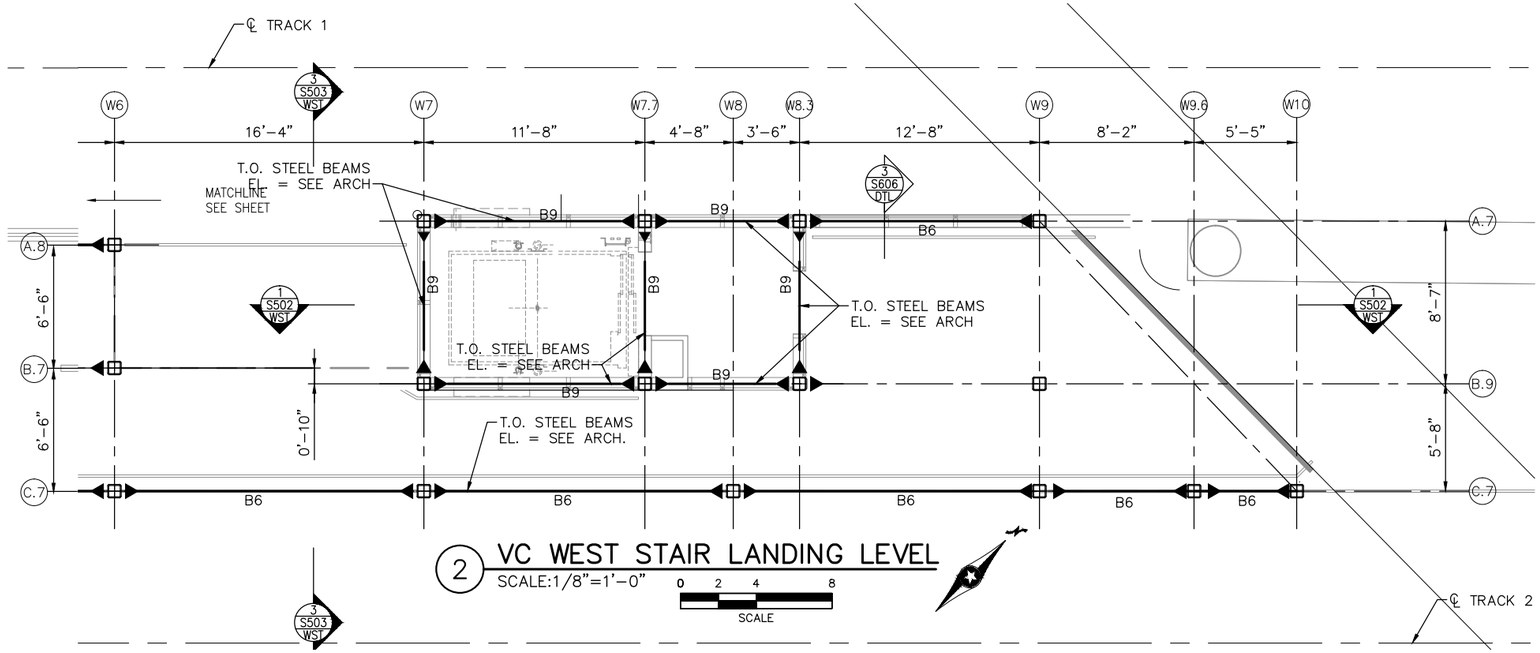
DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-PLN-404

SHEET 419 OF 510

Jan, 18 2016 09:43 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\419 E3-WST-STR-PLN-404.dwg By: scott.shepard





GENERAL NOTES:

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS, DETAILS, AND FIELD VERIFICATION.
2. COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED.

STAIR LANDING PLAN NOTES

1. TOP OF STEEL BEAMS ELEVATION AS NOTED ON ARCHITECTURAL PLAN.
2. ⟷ INDICATES SPAN DIRECTION OF PRECAST STAIR LANDING.
3. MOMENT CONNECTIONS ARE DENOTED THUS (▶—) ON PLAN OR PREQUALIFIED SHOP WELDED OR FIELD WELDED CONNECTION.
4. ⌒ INDICATES BEAM IS CONTINUOUS OVER COLUMN.
5. ☐ DENOTES HSS8X8X5/8 COLUMN.

BEAM SCHEDULE	
MARK	SIZE
B1	C12X20.7
B2	W8X18
B3	W12X16
B4	HSS12X6X$\frac{1}{2}$
B5	HSS12X6X$\frac{1}{2}$
B6	HSS18X6X$\frac{5}{8}$
B7	HSS18X6X$\frac{5}{8}$
B8	HSS16X8X$\frac{1}{2}$
B9	HSS6X4X$\frac{5}{16}$

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC WEST INTERMEDIATE LEVEL
FRAMING PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-PLN-410

SHEET 420 OF 510

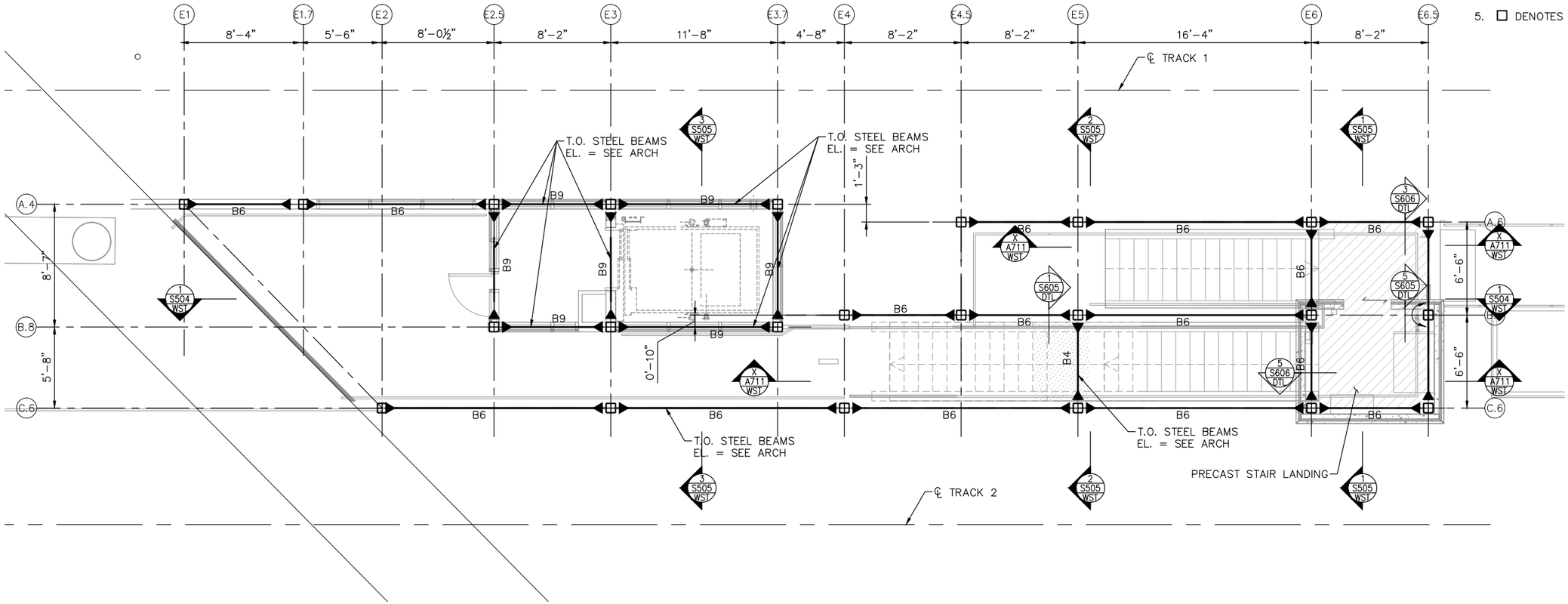
Jan, 18 2016 09:44 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\420 E3-WST-STR-PLN-410.dwg By: scott.shepard

GENERAL NOTES:

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS, DETAILS, AND FIELD VERIFICATION.
2. COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED.

ROOF PLAN NOTES

1. TOP OF STEEL BEAMS ELEVATION AS NOTED ON ARCHITECTURAL PLAN.
2. ⟵⟶ INDICATES SPAN DIRECTION OF 1.5B16 STEEL ROOF DECK UNLESS NOTED OTHERWISE.
3. MOMENT CONNECTIONS ARE DENOTED THUS (▶—) ON PLAN OR PREQUALIFIED SHOP WELDED OR FIELD WELDED CONNECTION.
4. ⌒ INDICATES BEAM IS CONTINUOUS OVER COLUMN.
5. □ DENOTES HSS8X8X5/8 COLUMN.



BEAM SCHEDULE	
MARK	SIZE
B1	C12X20.7
B2	W8X18
B3	W12X16
B4	HSS12X6X½
B5	HSS12X6X½
B6	HSS18X6X⅝
B7	HSS18X6X⅝
B8	HSS16X8X½
B9	HSS6X4X⅜

1 VC EAST STAIR LANDING LEVEL
SCALE:1/8"=1'–0"

0 2 4 8
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

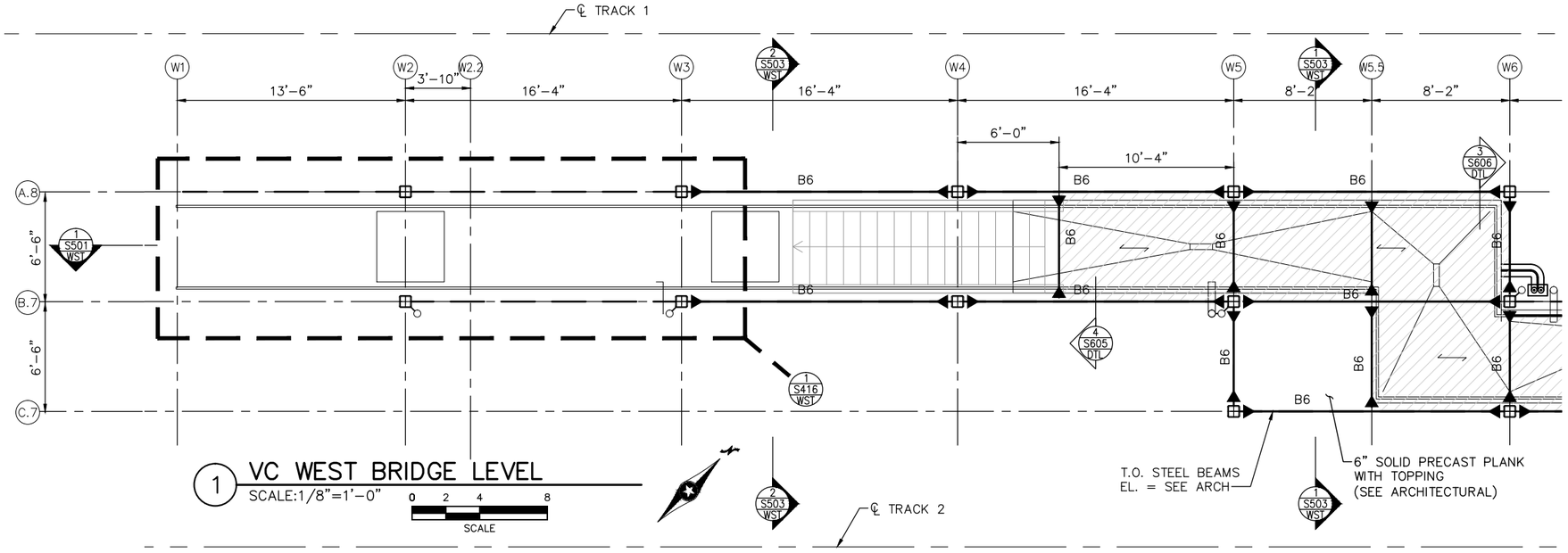
CIVIL - VOLUME 11C
WEST LAKE STATION
VC EAST INTERMEDIATE LEVEL FRAMING PLAN

DISCIPLINE: STRUCTURES

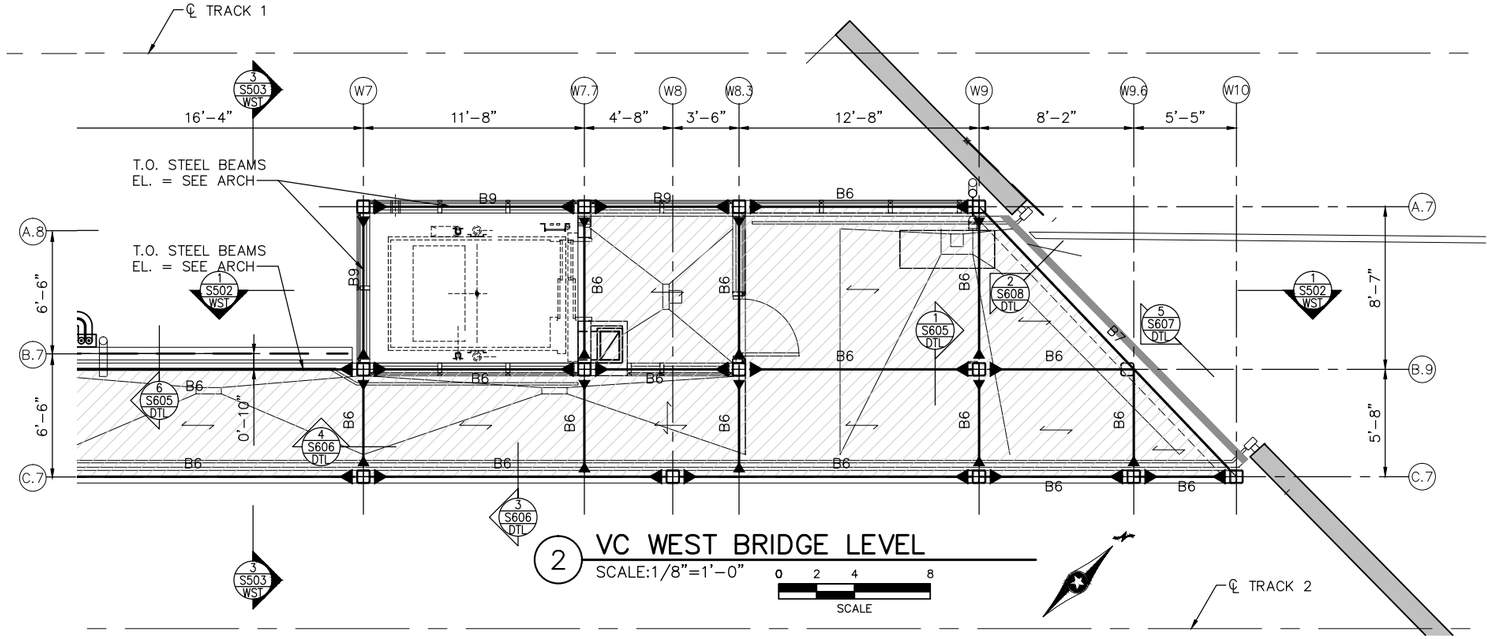
SHEET NAME: E3-WST-STR-PLN-411

SHEET 421 OF 510

Jan, 18 2016 09:44 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WC-STATION\421 E3-WST-STR-PLN-411.dwg By: scott.shepard



1 VC WEST BRIDGE LEVEL
SCALE:1/8"=1'-0"
0 2 4 8
SCALE



2 VC WEST BRIDGE LEVEL
SCALE:1/8"=1'-0"
0 2 4 8
SCALE

GENERAL NOTES:

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS, DETAILS, AND FIELD VERIFICATION.
2. COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED.

BRIDGE LEVEL PLAN PLAN NOTES

1. TOP OF STEEL BEAMS ELEVATION AS NOTED ON ARCHITECTURAL PLAN.
2. ⟵ INDICATES SPAN DIRECTION 6" SOLID PRECAST PLAN WITH TOPPING.
3. MOMENT CONNECTIONS ARE DENOTED THUS (▶—) ON PLAN OR PREQUALIFIED SHOP WELDED OR FIELD WELDED CONNECTION.
4. ⌒ INDICATES BEAM IS CONTINUOUS OVER COLUMN.
5. □ DENOTES HSS8X8X5/8 COLUMN.

BEAM SCHEDULE	
MARK	SIZE
B1	C12X20.7
B2	W8X18
B3	W12X16
B4	HSS12X6X$\frac{1}{2}$
B5	HSS12X6X$\frac{1}{2}$
B6	HSS18X6X$\frac{5}{8}$
B7	HSS18X6X$\frac{5}{8}$
B8	HSS16X8X$\frac{1}{2}$
B9	HSS6X4X$\frac{5}{16}$

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC WEST BRIDGE LEVEL
FRAMING PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-PLN-412

SHEET 422 OF 510

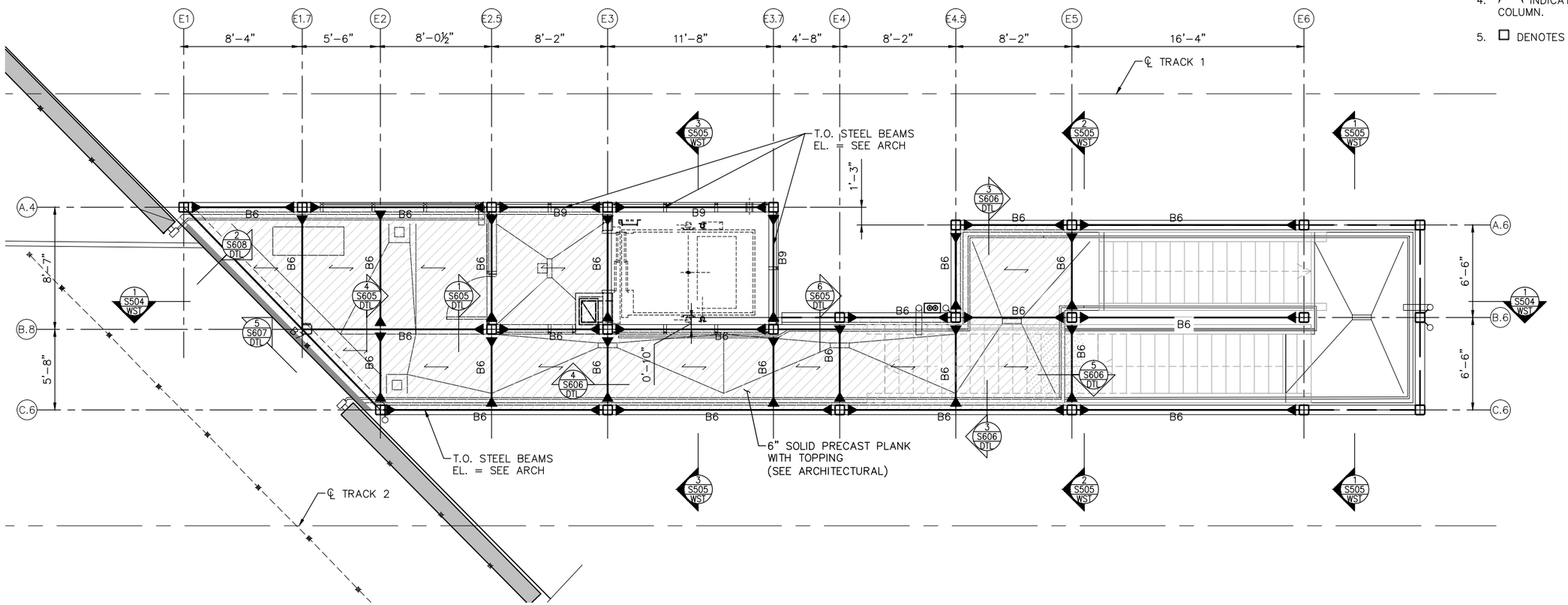
Jan. 18 2016 10:06 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\422 E3-WST-STR-PLN-412.dwg By: scott.shepard

GENERAL NOTES:

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS, DETAILS, AND FIELD VERIFICATION.
2. COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED.

BRIDGE LEVEL PLAN NOTES

1. TOP OF STEEL BEAMS ELEVATION AS NOTED ON ARCHITECTURAL PLAN.
2. ⟵⟶ INDICATES SPAN DIRECTION OF 6" SOLID PRECAST PLANK WITH TOPPING..
3. MOMENT CONNECTIONS ARE DENOTED THUS (▶—) ON PLAN OR PREQUALIFIED SHOP WELDED OR FIELD WELDED CONNECTION.
4. ⌒ INDICATES BEAM IS CONTINUOUS OVER COLUMN.
5. □ DENOTES HSS8X8X5/8 COLUMN.



1 VC EAST BRIDGE LEVEL
SCALE:1/8"=1'–0"

0 2 4 8
SCALE

BEAM SCHEDULE	
MARK	SIZE
B1	C12X20.7
B2	W8X18
B3	W12X16
B4	HSS12X6X½
B5	HSS12X6X½
B6	HSS18X6X⅝
B7	HSS18X6X⅝
B8	HSS16X8X½
B9	HSS6X4X5/16

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

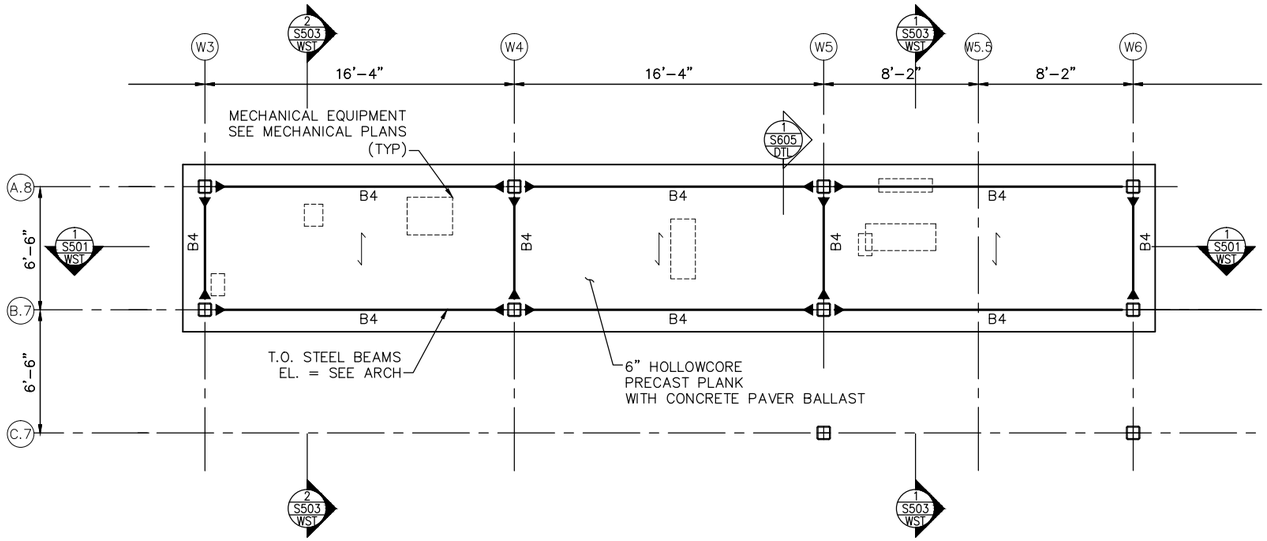
CIVIL - VOLUME 11C
WEST LAKE STATION
VC EAST BRIDGE LEVEL
FRAMING PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-PLN-413

SHEET 423 OF 510

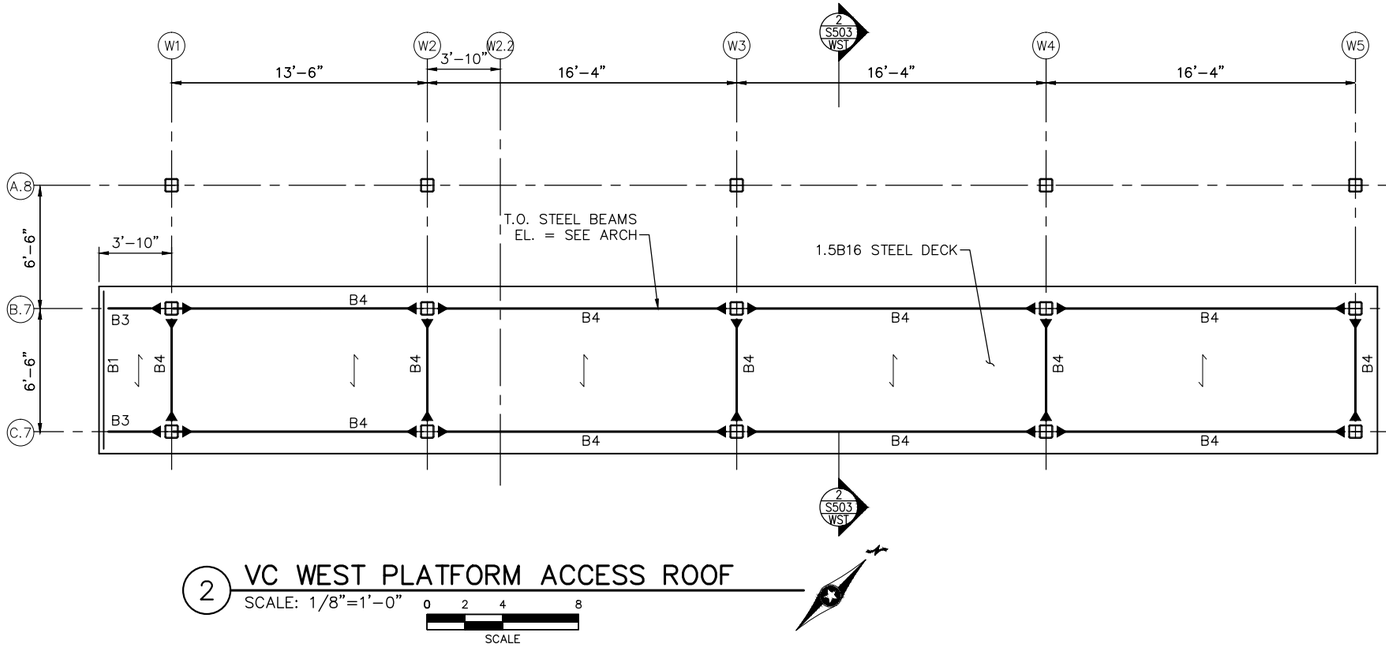
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1 VC WEST DRIVER AMENITY ROOF

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



2 VC WEST PLATFORM ACCESS ROOF

SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

GENERAL NOTES:

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2. COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED..

ROOF PLAN NOTES

1. TOP OF STEEL BEAMS ELEVATION AS NOTED ON ARCHITECTURAL PLAN.
2. ⟷ INDICATES SPAN DIRECTION OF 1.5B16 STEEL ROOF DECK UNLESS NOTED OTHERWISE.
3. MOMENT CONNECTIONS ARE DENOTED THUS (▶—) ON PLAN OR PREQUALIFIED SHOP WELDED OR FIELD WELDED CONNECTION.
4. ⌒ INDICATES BEAM IS CONTINUOUS OVER COLUMN.
5. □ DENOTES HSS8X8X5/8 COLUMN.

BEAM SCHEDULE	
MARK	SIZE
B1	C12X20.7
B2	W8X18
B3	W12X16
B4	HSS12X6X$\frac{1}{2}$
B5	HSS12X6X$\frac{1}{2}$
B6	HSS18X6X$\frac{5}{8}$
B7	HSS18X6X$\frac{5}{8}$
B8	HSS16X8X$\frac{1}{2}$
B9	HSS6X4X$\frac{5}{16}$

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

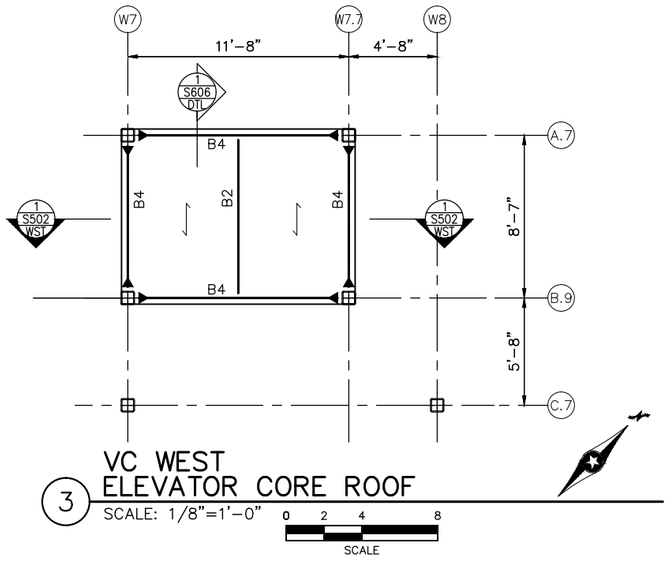
CIVIL - VOLUME 11C
WEST LAKE STATION
VC WEST PARTIAL ROOF FRAMING PLAN

DISCIPLINE: STRUCTURES

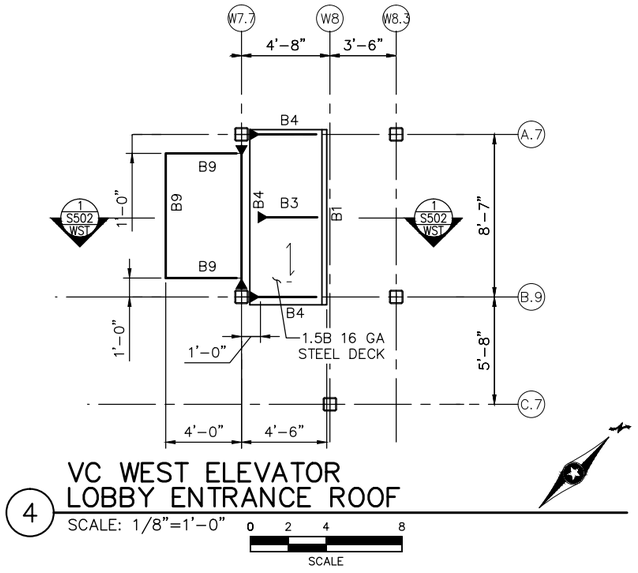
SHEET NAME: E3-WST-STR-PLN-414

SHEET 424 OF 510

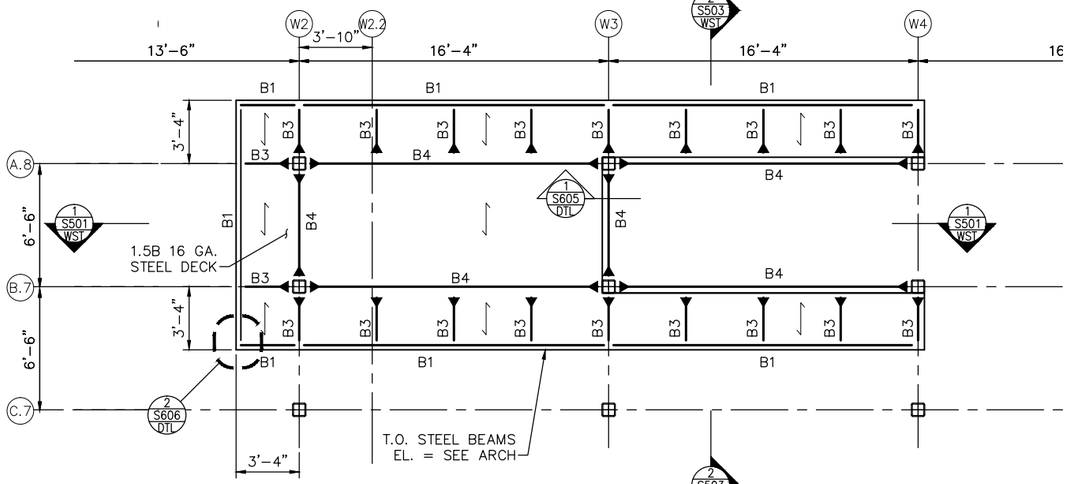
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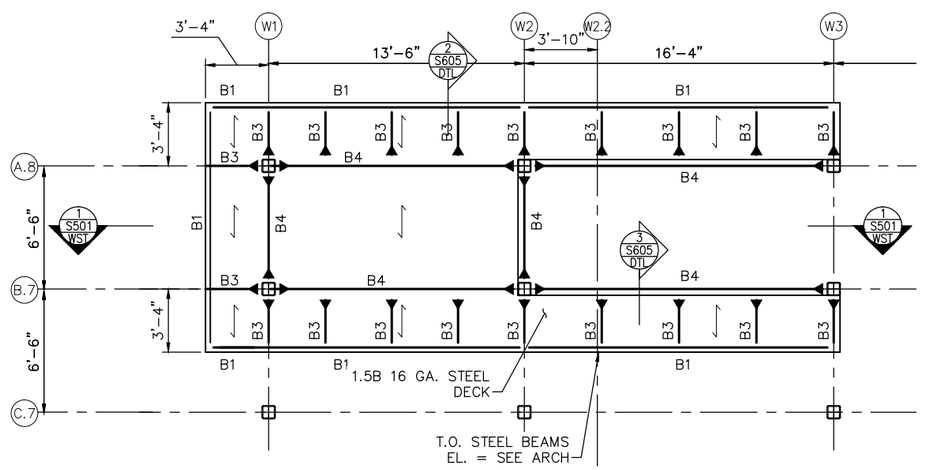
3 VC WEST ELEVATOR CORE ROOF
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE



4 VC WEST ELEVATOR LOBBY ENTRANCE ROOF
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE



5 VC WEST STAIR ROOF 1
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE



6 VC WEST STAIR ROOF 2
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE

GENERAL NOTES:

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS, DETAILS, AND FIELD VERIFICATION.
2. COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED..

ROOF PLAN NOTES

1. TOP OF STEEL BEAMS ELEVATION AS NOTED ON ARCHITECTURAL PLAN.
2. ⟷ INDICATES SPAN DIRECTION OF 1.5B16 STEEL ROOF DECK UNLESS NOTED OTHERWISE.
3. MOMENT CONNECTIONS ARE DENOTED THUS (▶—) ON PLAN OR PREQUALIFIED SHOP WELDED OR FIELD WELDED CONNECTION.
4. ⌒ INDICATES BEAM IS CONTINUOUS OVER COLUMN.
5. □ DENOTES HSS8X8X5/8 COLUMN.

BEAM SCHEDULE	
MARK	SIZE
B1	C12X20.7
B2	W8X18
B3	W12X16
B4	HSS12X6X$\frac{1}{2}$
B5	HSS12X6X$\frac{1}{2}$
B6	HSS18X6X$\frac{5}{8}$
B7	HSS18X6X$\frac{5}{8}$
B8	HSS16X8X$\frac{1}{2}$
B9	HSS6X4X$\frac{5}{16}$

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

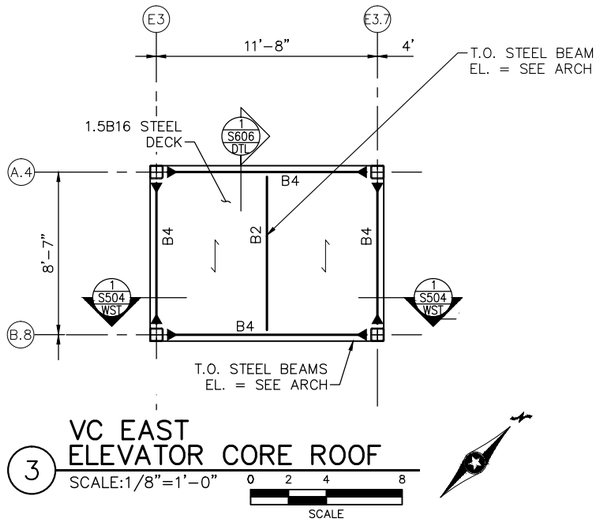
CIVIL - VOLUME 11C
WEST LAKE STATION
VC WEST PARTIAL ROOF FRAMING PLAN

DISCIPLINE: STRUCTURES

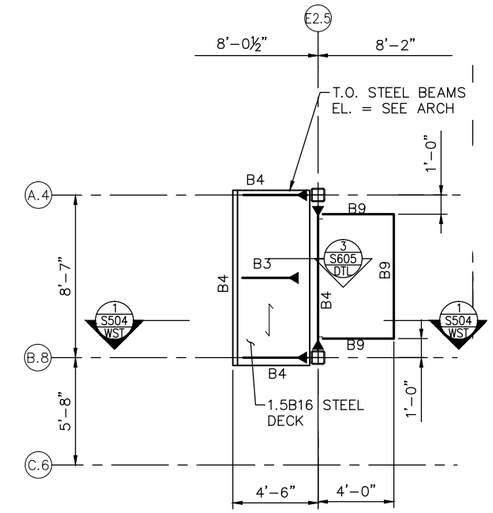
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SHEET 425 OF 510

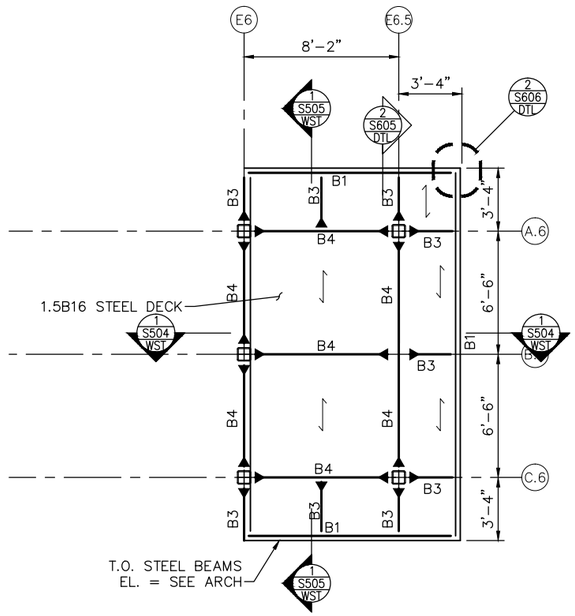
Jan, 18 2016 10:04 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\425 E3-WST-STR-PLN-415.dwg By: scott.shepard



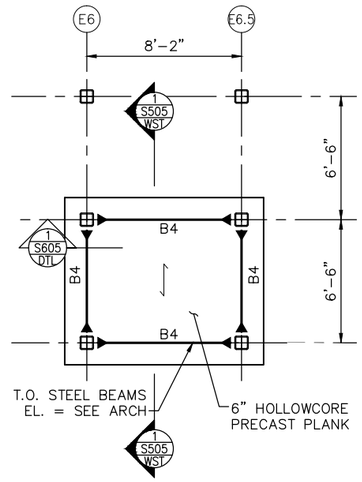
3 VC EAST ELEVATOR CORE ROOF
SCALE:1/8"=1'-0"
0 2 4 8
SCALE



4 VC EAST ELEVATOR LOBBY ENTRANCE ROOF
SCALE:1/8"=1'-0"
0 2 4 8
SCALE



1 VC EAST REAR STAIR LANDING ROOF
SCALE:1/8"=1'-0"
0 2 4 8
SCALE



2 VC EAST DRIVER AMENITY ROOF
SCALE:1/8"=1'-0"
0 2 4 8
SCALE

GENERAL NOTES:

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS, DETAILS, AND FIELD VERIFICATION.
2. COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED.

ROOF PLAN NOTES

1. TOP OF STEEL BEAMS ELEVATION AS NOTED ON ARCHITECTURAL PLAN.
2. ⟵⟶ INDICATES SPAN DIRECTION OF 1.5B16 STEEL ROOF DECK UNLESS NOTED OTHERWISE.
3. MOMENT CONNECTIONS ARE DENOTED THUS (▶—) ON PLAN OR PREQUALIFIED SHOP WELDED OR FIELD WELDED CONNECTION.
4. ⌒ INDICATES BEAM IS CONTINUOUS OVER COLUMN.
5. □ DENOTES HSS8X8X5/8 COLUMN

BEAM SCHEDULE	
MARK	SIZE
B1	C12X20.7
B2	W8X18
B3	W12X16
B4	HSS12X6X$\frac{1}{2}$
B5	HSS12X6X$\frac{1}{2}$
B6	HSS18X6X$\frac{5}{8}$
B7	HSS18X6X$\frac{5}{8}$
B8	HSS16X8X$\frac{1}{2}$
B9	HSS6X4X$\frac{5}{16}$

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

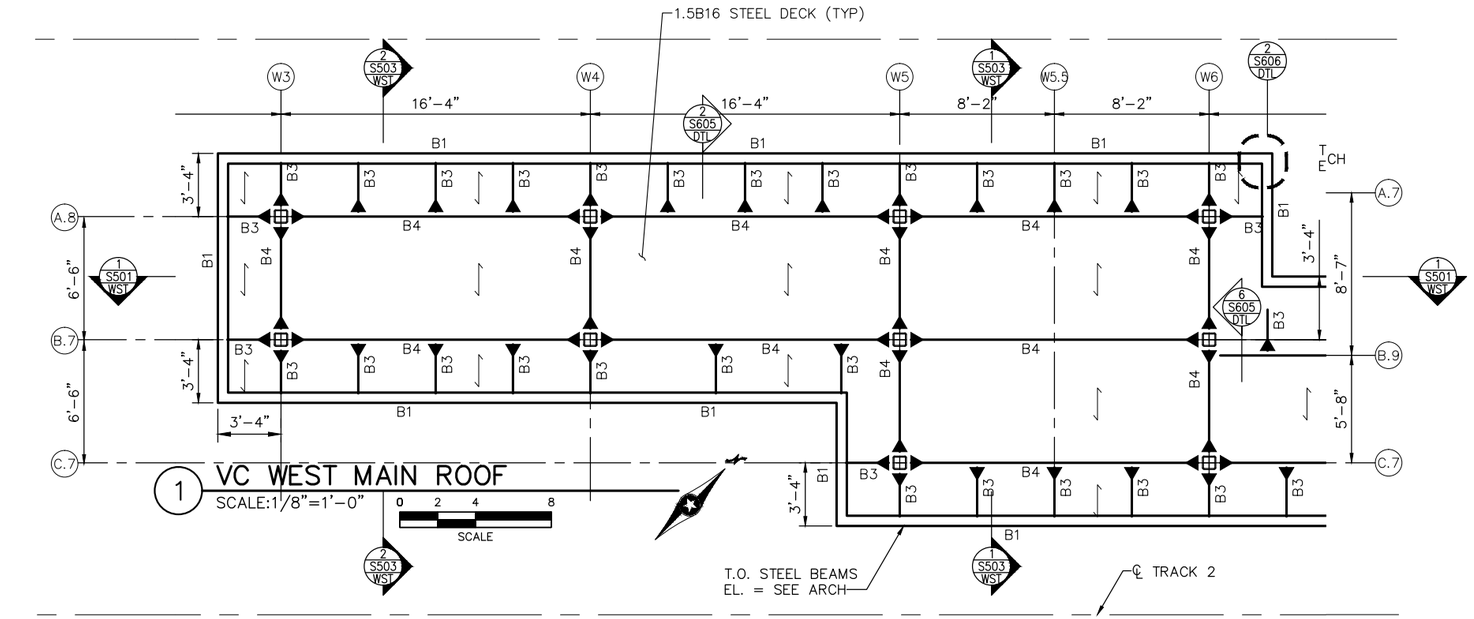
CIVIL - VOLUME 11C
WEST LAKE STATION
VC EAST PARTIAL ROOF FRAMING PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-PLN-416

SHEET 426 OF 510

Jan, 18 2016 09:47 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\426 E3-WST-STR-PLN-416.dwg By: scott.shepard



GENERAL NOTES:

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS, DETAILS, AND FIELD VERIFICATION.
2. COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED.

ROOF PLAN NOTES

1. TOP OF STEEL BEAMS ELEVATION AS NOTED ON ARCHITECTURAL PLANS.
2. ⟵⟶ INDICATES SPAN DIRECTION OF 1.5B16 STEEL ROOF DECK.
3. MOMENT CONNECTIONS ARE DENOTED THUS (▶—) ON PLAN OR PREQUALIFIED SHOP WELDED OR FIELD WELDED CONNECTION.
4. ◠ INDICATES BEAM IS CONTINUOUS OVER COLUMN.
5. □ DENOTES HSS8X8X5/8 TUBE STEEL COLUMN

BEAM SCHEDULE	
MARK	SIZE
B1	C12X20.7
B2	W8X18
B3	W12X16
B4	HSS12X6X1/2
B5	HSS12X6X1/2
B6	HSS18X6X5/8
B7	HSS18X6X5/8
B8	HSS16X8X1/2
B9	HSS6X4X5/16

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SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC WEST MAIN ROOF
FRAMING PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-PLN-417

SHEET 427 OF 510

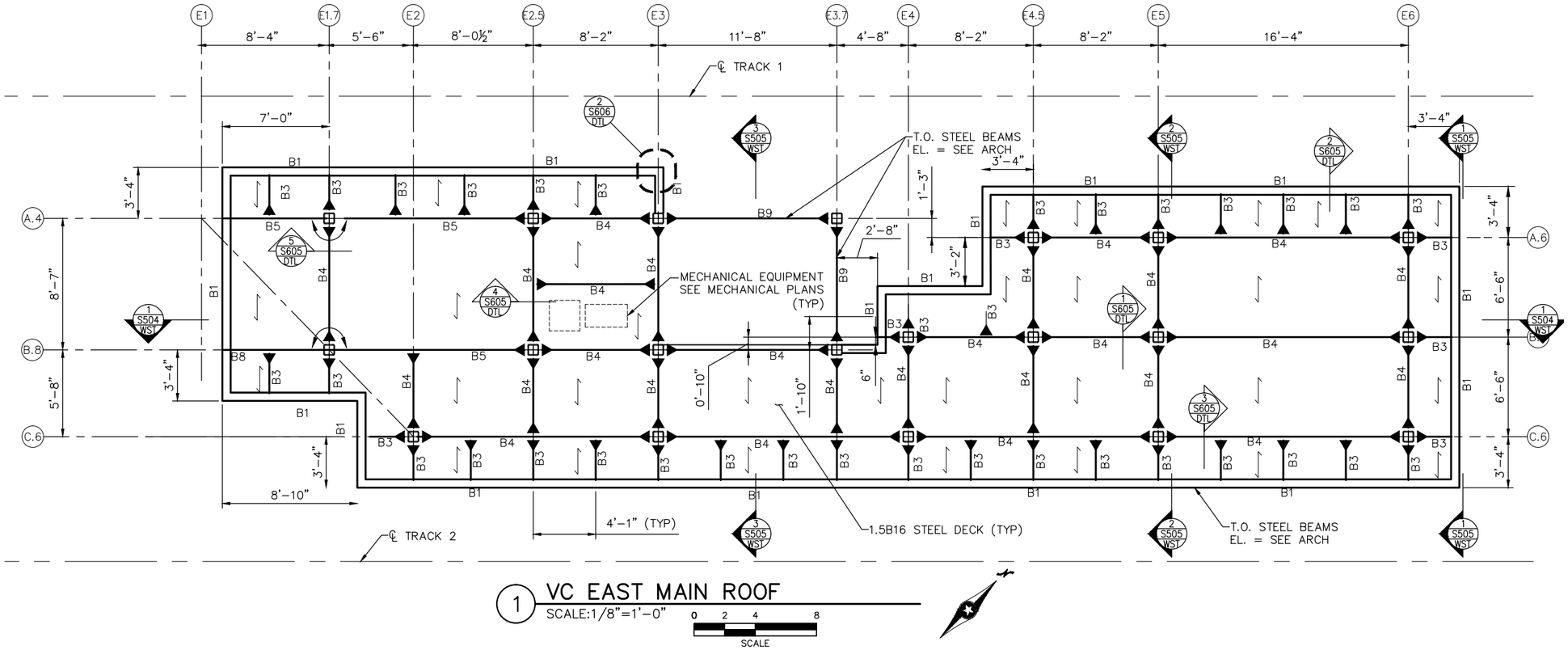
Jan, 18 2016 09:48 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\427 E3-WST-STR-PLN-417.dwg By: scott.shepard

GENERAL NOTES:

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS, DETAILS, AND FIELD VERIFICATION.
2. COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED.

ROOF PLAN NOTES

1. TOP OF STEEL BEAMS ELEVATION AS NOTED ON ARCHITECTURAL PLANS.
2. ⟷ INDICATES SPAN DIRECTION OF 1.5B16 STEEL ROOF DECK.
3. MOMENT CONNECTIONS ARE DENOTED THUS (▶—) ON PLAN OR PREQUALIFIED SHOP WELDED OR FIELD WELDED CONNECTION.
4. ⌒ INDICATES BEAM IS CONTINUOUS OVER COLUMN.
5. □ DENOTES HSS8X8X5/8 TUBE STEEL COLUMN



1 VC EAST MAIN ROOF
SCALE:1/8"=1'–0"

0 2 4 8
SCALE

BEAM SCHEDULE	
MARK	SIZE
B1	C12X20.7
B2	W8X18
B3	W12X16
B4	HSS12X6X$\frac{1}{2}$
B5	HSS12X6X$\frac{1}{2}$
B6	HSS18X6X$\frac{5}{8}$
B7	HSS18X6X$\frac{5}{8}$
B8	HSS16X8X$\frac{1}{2}$
B9	HSS6X4X$\frac{5}{16}$

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SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC EAST MAIN ROOF
FRAMING PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-PLN-418

SHEET 428 OF 510

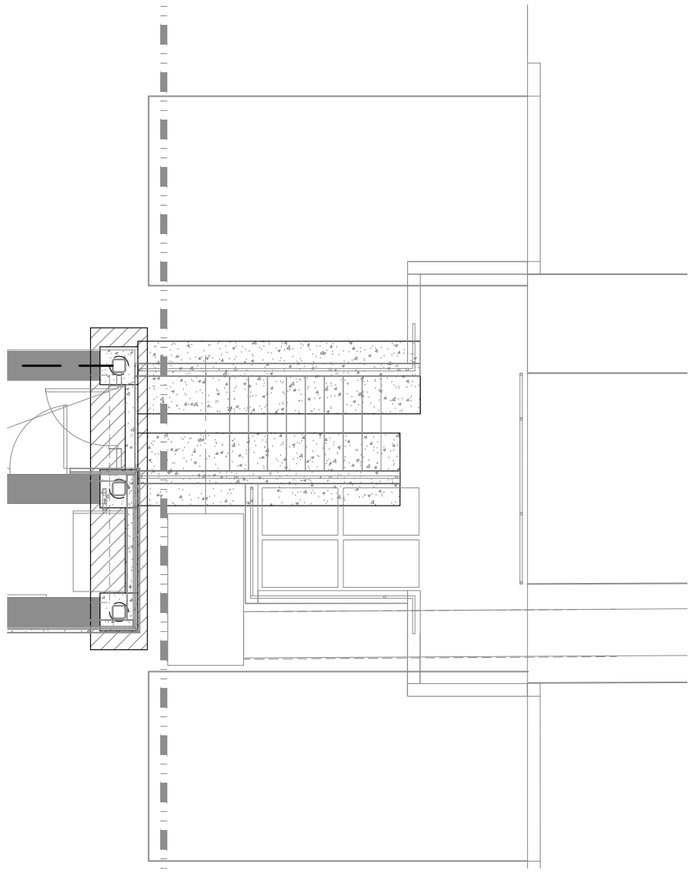
Jan, 18 2016 09:48 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WC-STATION\428 E3-WST-STR-PLN-418.dwg By: scott.shepard

GENERAL NOTES:

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS, DETAILS, AND FIELD VERIFICATION.
2. COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED.

TUNNEL EGRESS PLAN NOTES

1. ☐ DENOTES HSS8X8X5/8 TUBE STEEL COLUMN



1 TUNNEL EGRESS PLAN
SCALE:1/8"=1'-0"

0 2 4 8
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

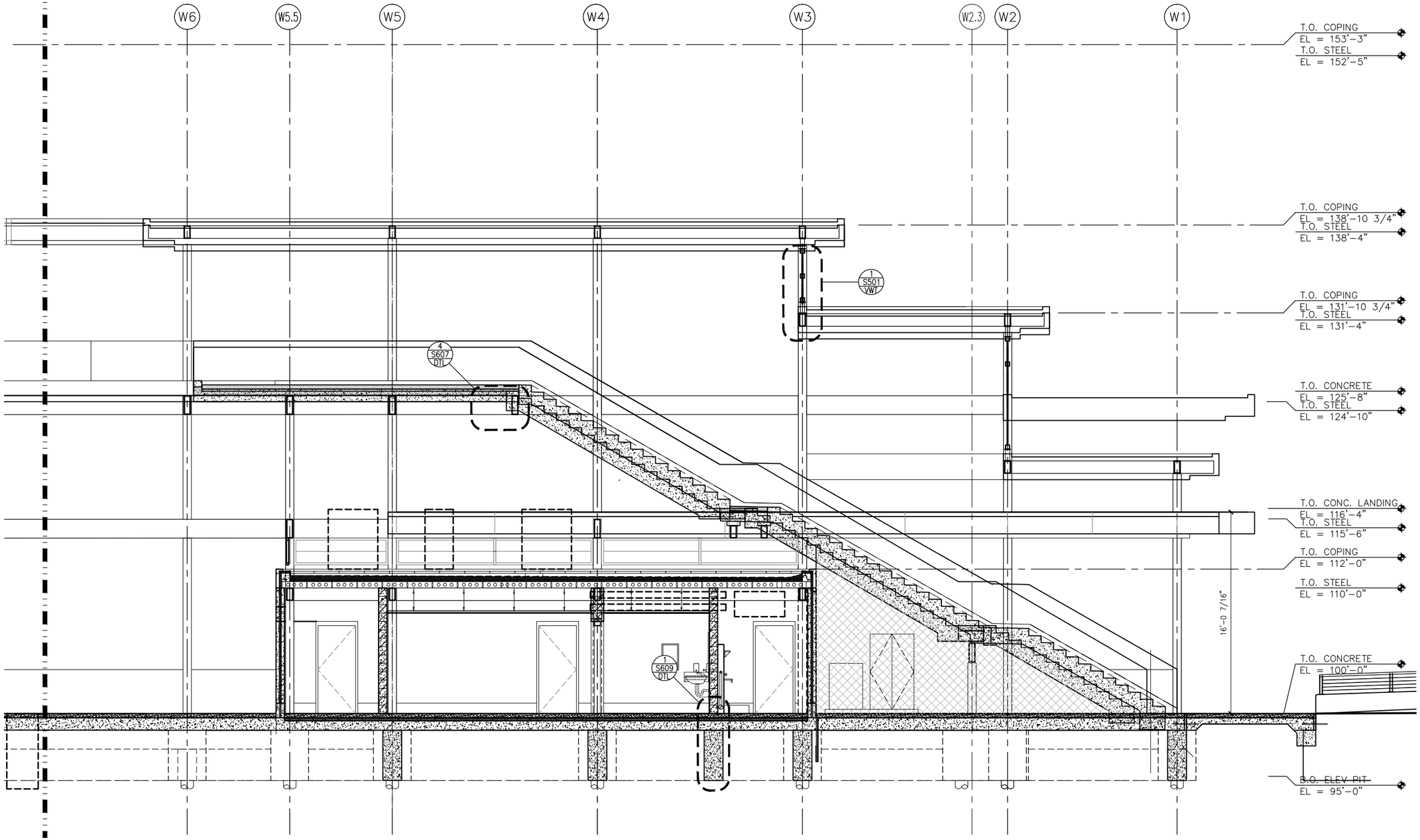
CIVIL - VOLUME 11C
WEST LAKE STATION
VC EAST TUNNEL EGRESS PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-PLN-419

SHEET 429 OF 510

Jan, 18 2016 09:49 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\429 E3-WST-STR-PLN-419.dwg By: scott.shepard



1 VC WEST TRACK 1 SECTION
SCALE:1/8"=1'-0"

0 2 4 8
SCALE

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SOUTHWEST Green Line LRT Extension

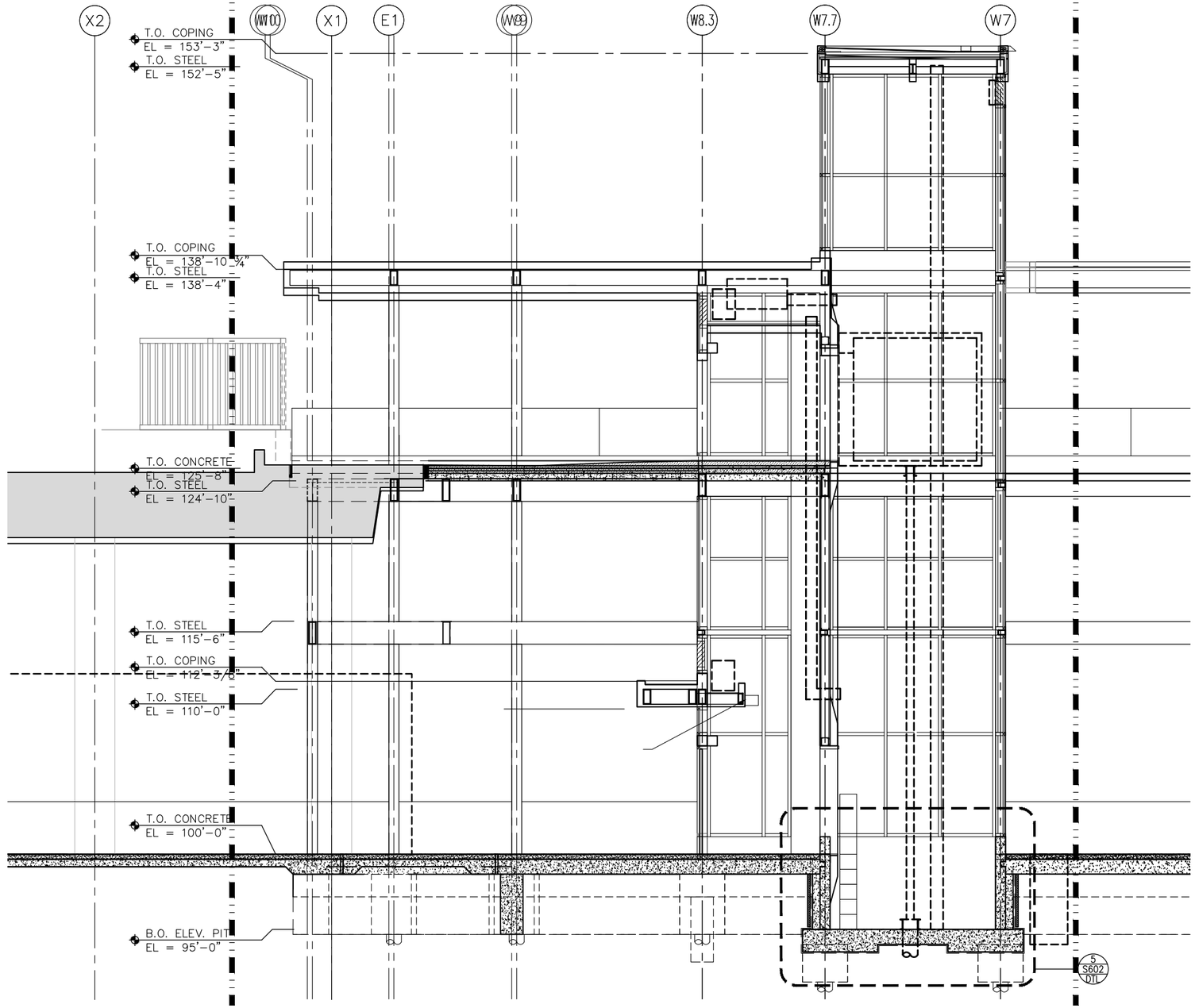
CIVIL - VOLUME 11C
WEST LAKE STATION
VC WEST TRACK 1
SECTION VIEW

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-SCT-501

SHEET 430 OF 510

Jan. 18 2016 09:50 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WC-STATION\430 E3-WST-STR-SCT-501.dwg By: scott.shepard



1 VC WEST TRACK 1 SECTION
SCALE:1/8"=1'-0"

0 2 4 8
SCALE

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SOUTHWEST Green Line LRT Extension

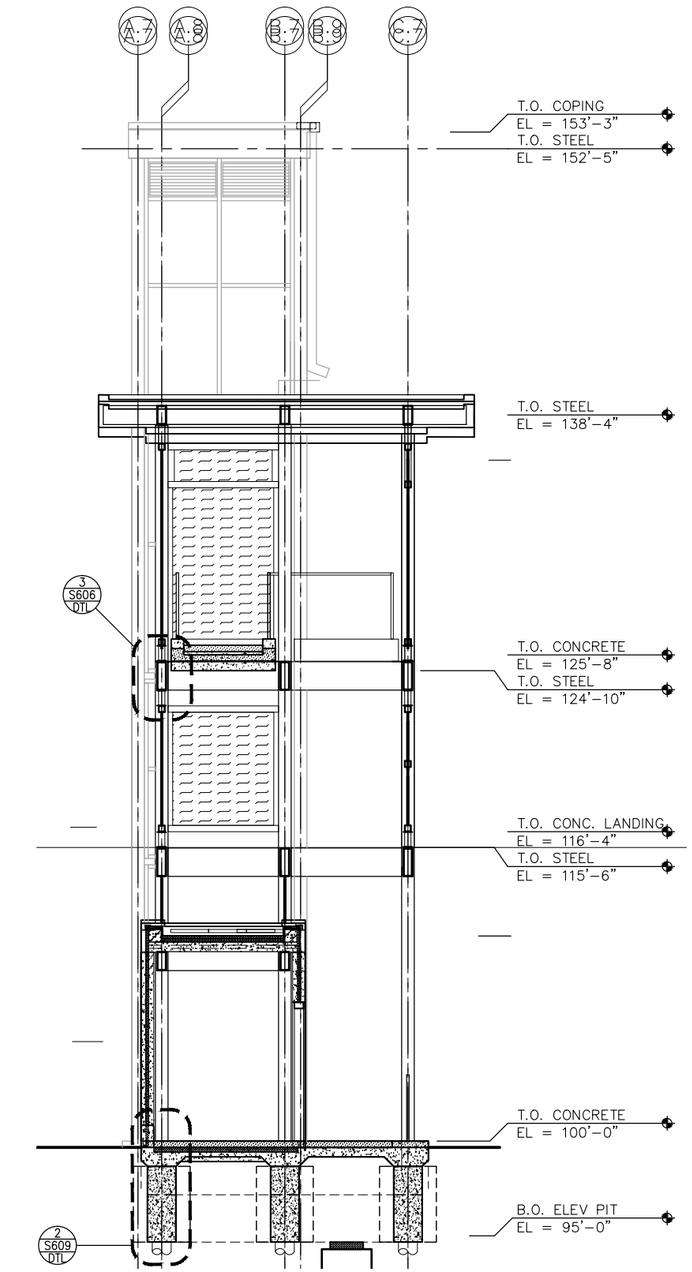
CIVIL - VOLUME 11C
WEST LAKE STATION
VC WEST TRACK 1
SECTION VIEW

DISCIPLINE: STRUCTURES

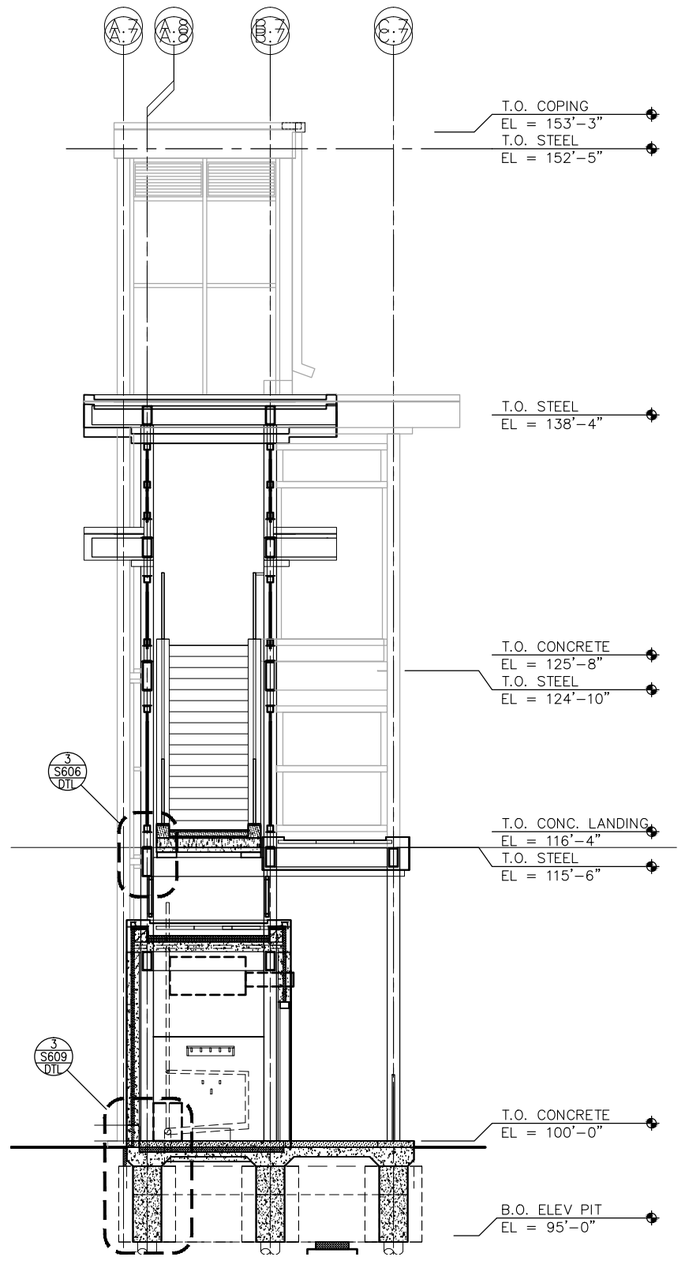
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SHEET 431 OF 510

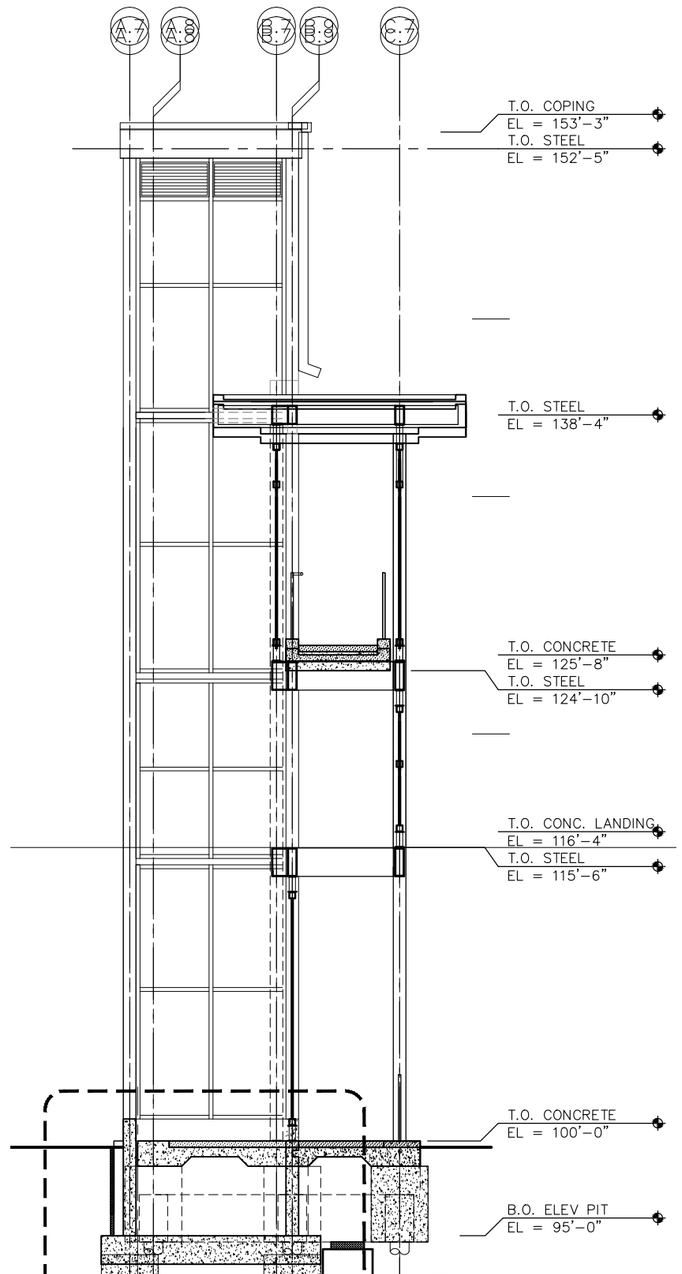
Jan, 18 2016 09:50 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\431 E3-WST-STR-SCT-502.dwg By: scott.shepard



1 VC WEST SECTION
SCALE:1/8"=1'-0"
0 2 4 8
SCALE



2 VC WEST SECTION
SCALE:1/8"=1'-0"
0 2 4 8
SCALE



3 VC WEST SECTION
SCALE:1/8"=1'-0"
0 2 4 8
SCALE

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AECOM Kimley»Horn

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SOUTHWEST Green Line LRT Extension

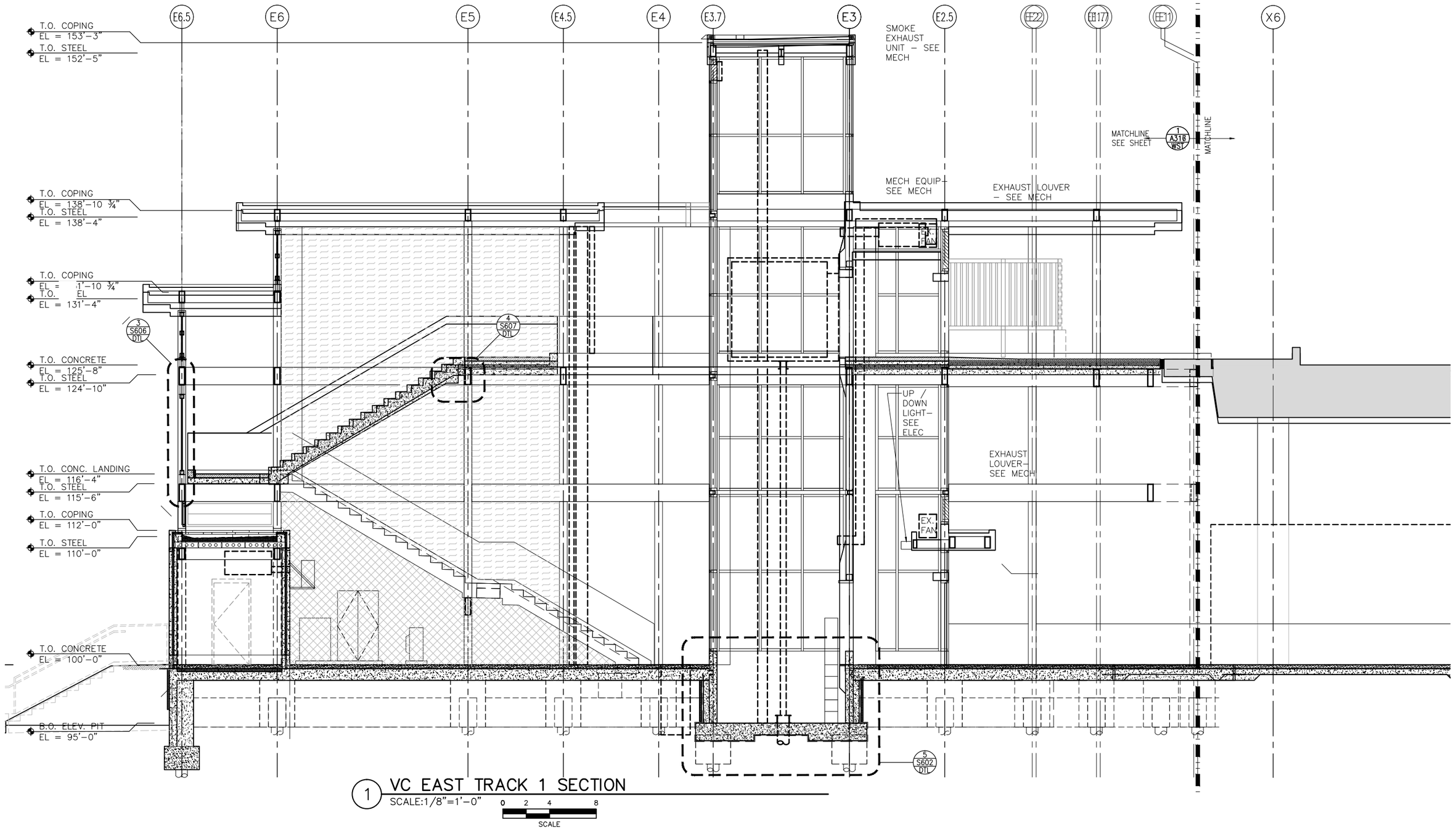
CIVIL - VOLUME 11C
WEST LAKE STATION
VC WEST
SECTION VIEWS

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-SCT-503

SHEET 432 OF 510

Jan, 18 2016 09:51 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\432 E3-WST-STR-SCT-503.dwg By: scott.shepard



1 VC EAST TRACK 1 SECTION
SCALE:1/8"=1'-0"

0 2 4 8
SCALE

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SOUTHWEST Green Line LRT Extension

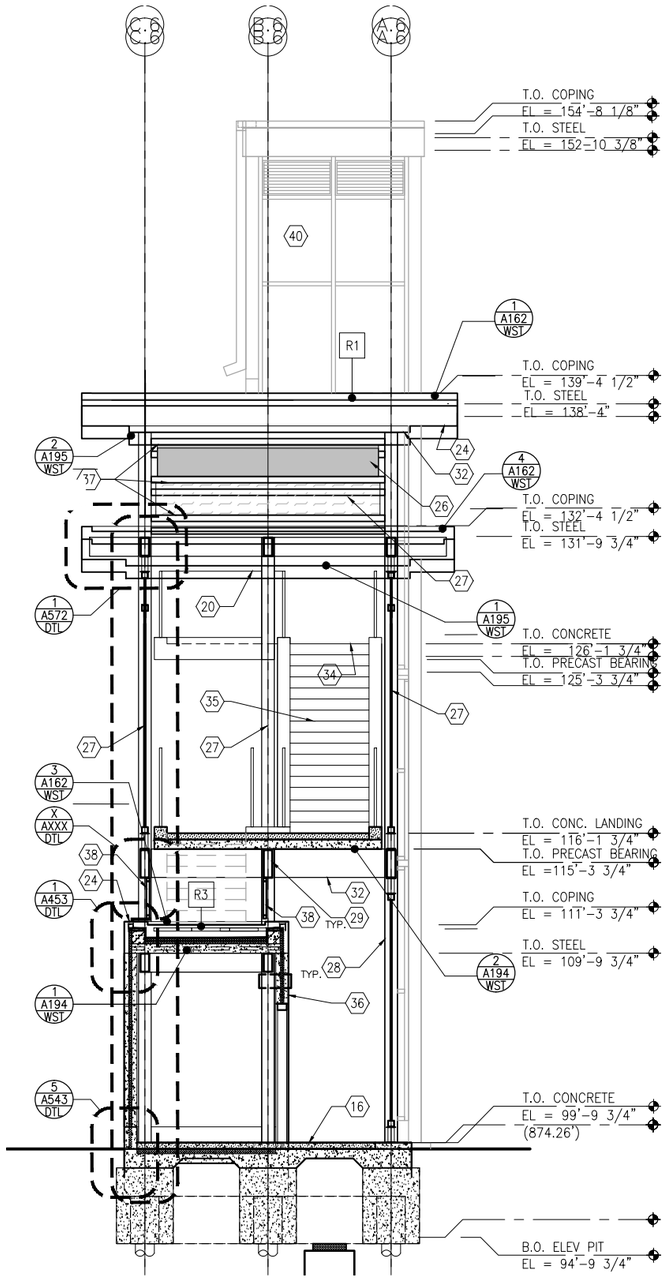
CIVIL - VOLUME 11C
WEST LAKE STATION
VC EAST TRACK 1
SECTION VIEW

DISCIPLINE: STRUCTURES

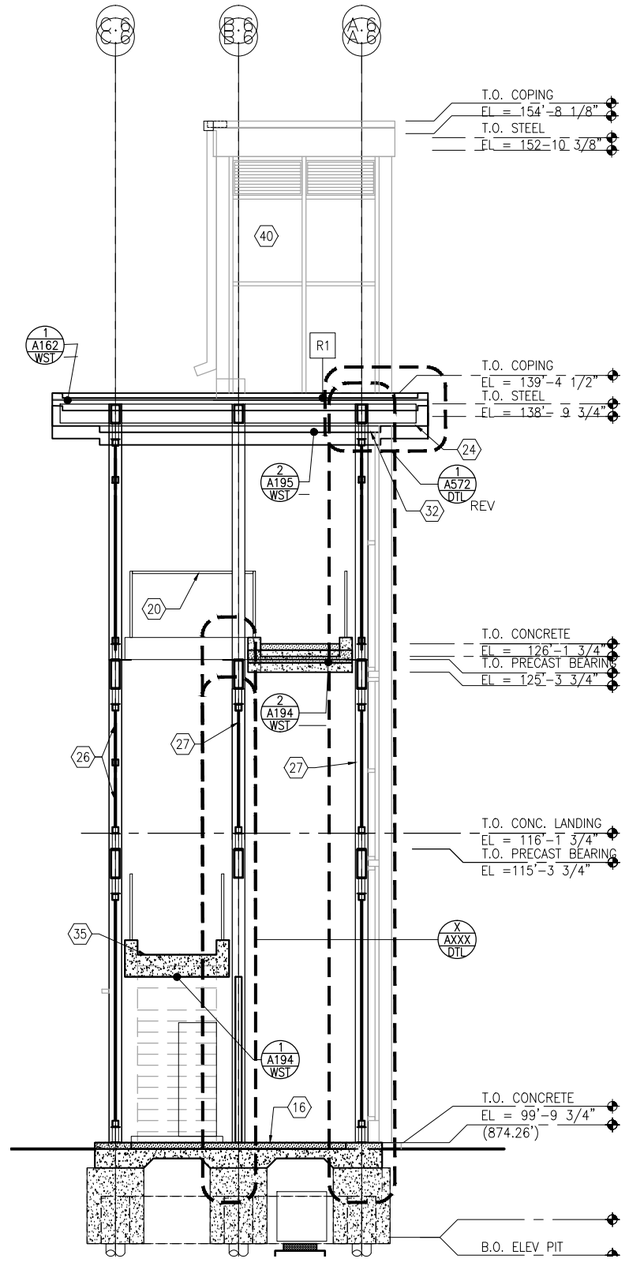
SHEET NAME: E3-WST-STR-SCT-504

SHEET 433 OF 510

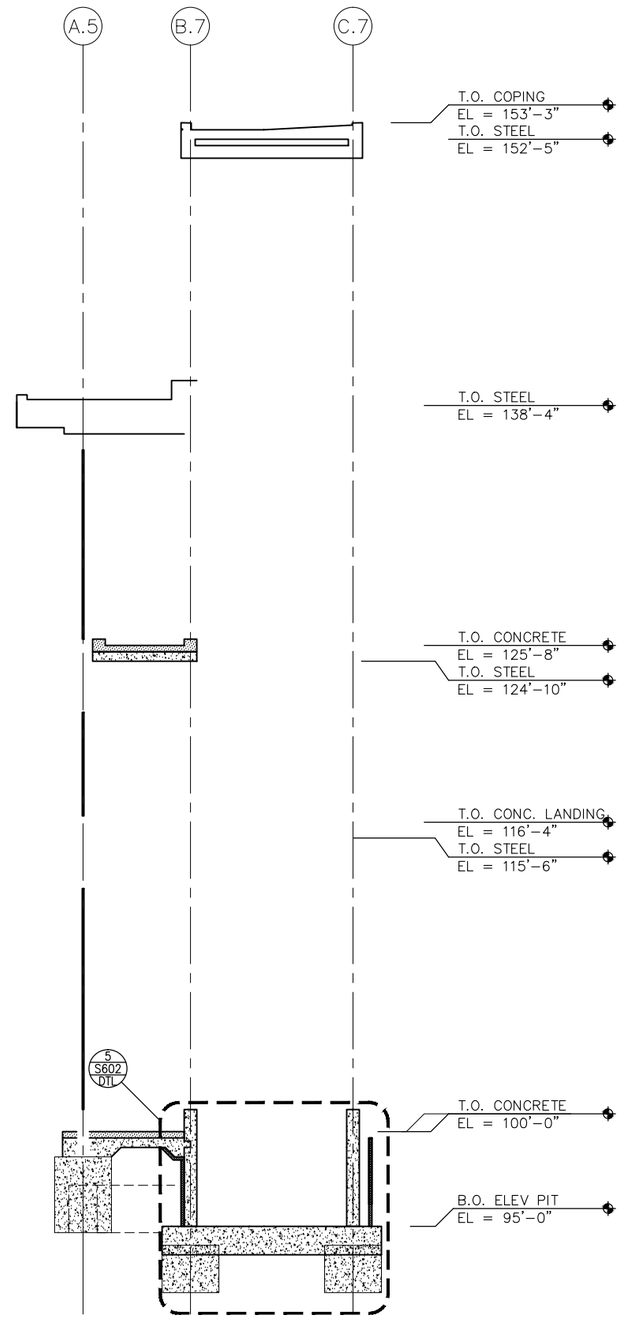
Jan, 18 2016 09:52 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WC-STATION\433 E3-WST-STR-SCT-504.dwg By: scott.shepard



1 VC EAST SECTION
SCALE:1/8"=1'-0"
0 2 4 8
SCALE



2 VC EAST SECTION
SCALE:1/8"=1'-0"
0 2 4 8
SCALE



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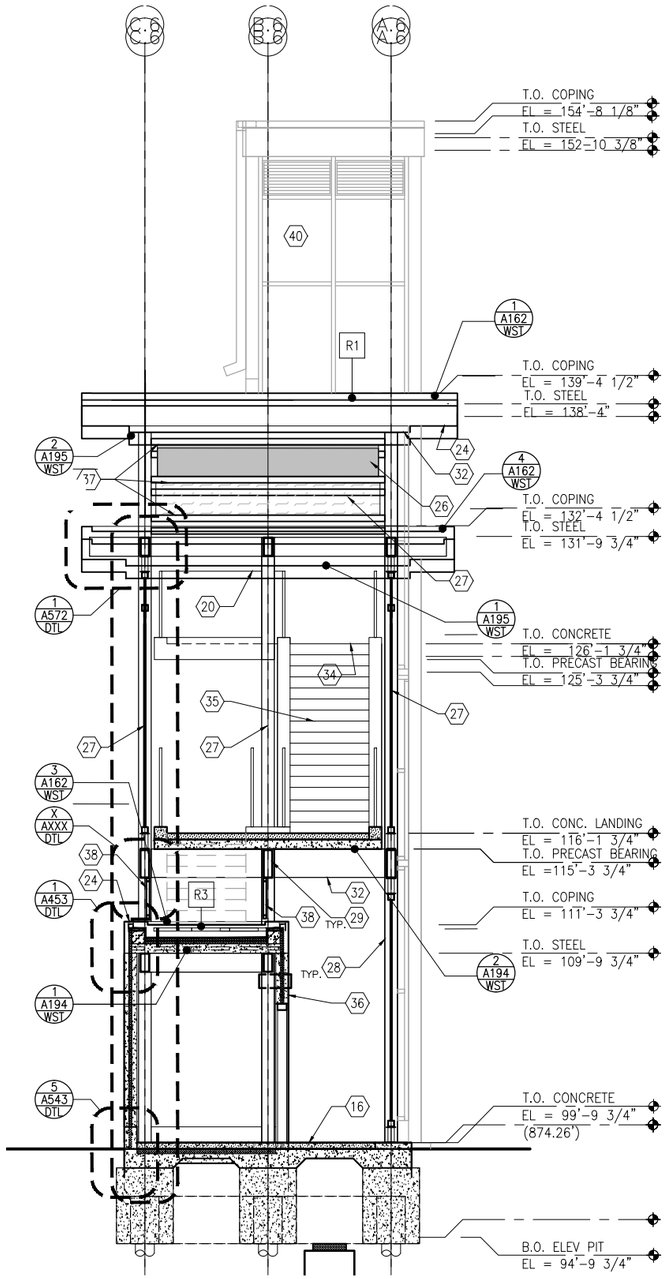
CIVIL - VOLUME 11C
WEST LAKE STATION
VC EAST
SECTION VIEWS

DISCIPLINE: STRUCTURES

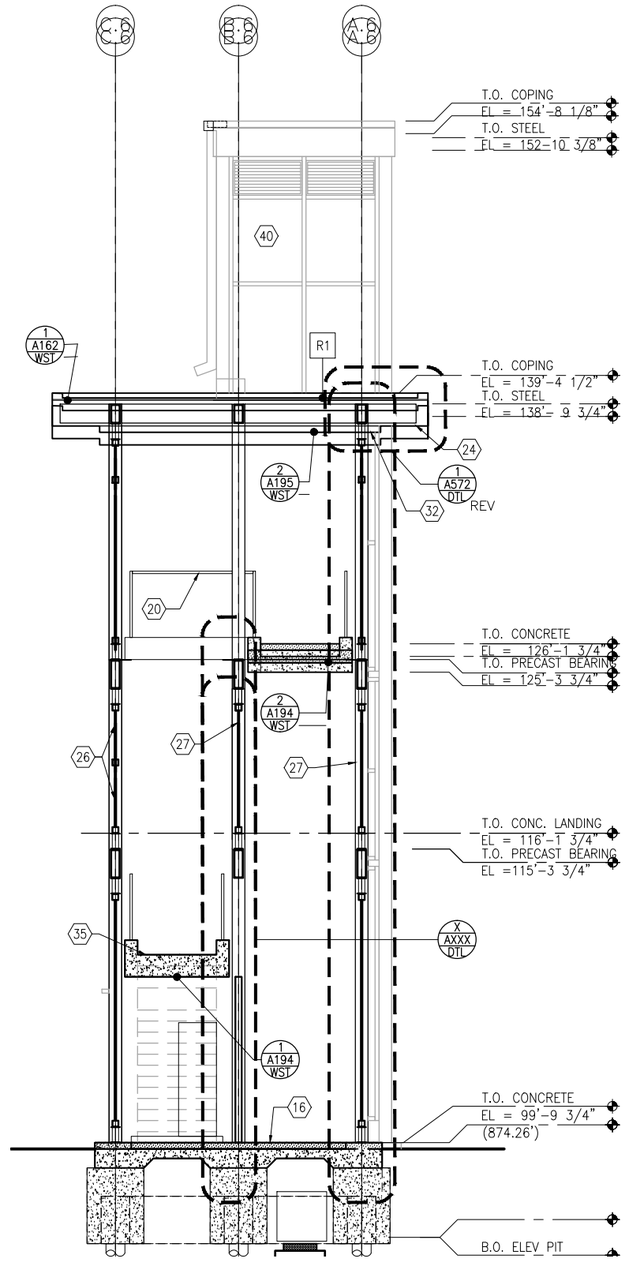
SHEET NAME: E3-WST-STR-SCT-505

SHEET 434 OF 510

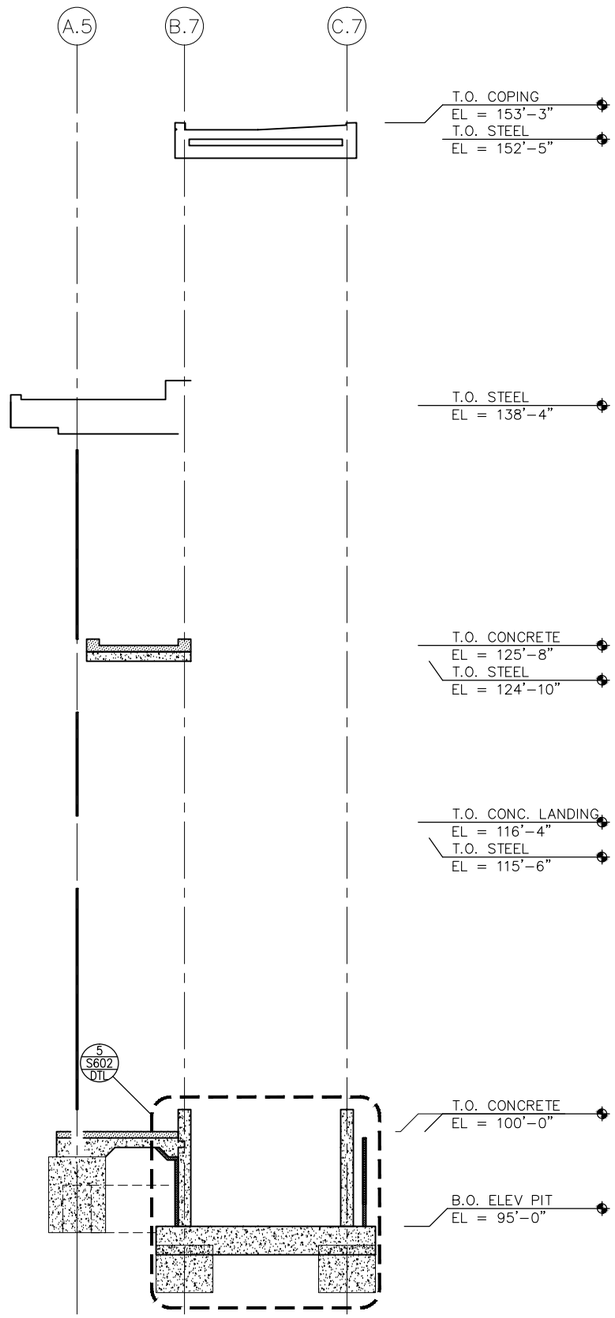
Jan, 18 2016 09:53 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WC-STATION\434 E3-WST-STR-SCT-505.dwg By: scott.shepard



1 VC EAST SECTION
SCALE:1/8"=1'-0"
0 2 4 8
SCALE



2 VC EAST SECTION
SCALE:1/8"=1'-0"
0 2 4 8
SCALE



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC EAST
SECTION VIEWS

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-SCT-506

SHEET 435 OF 510

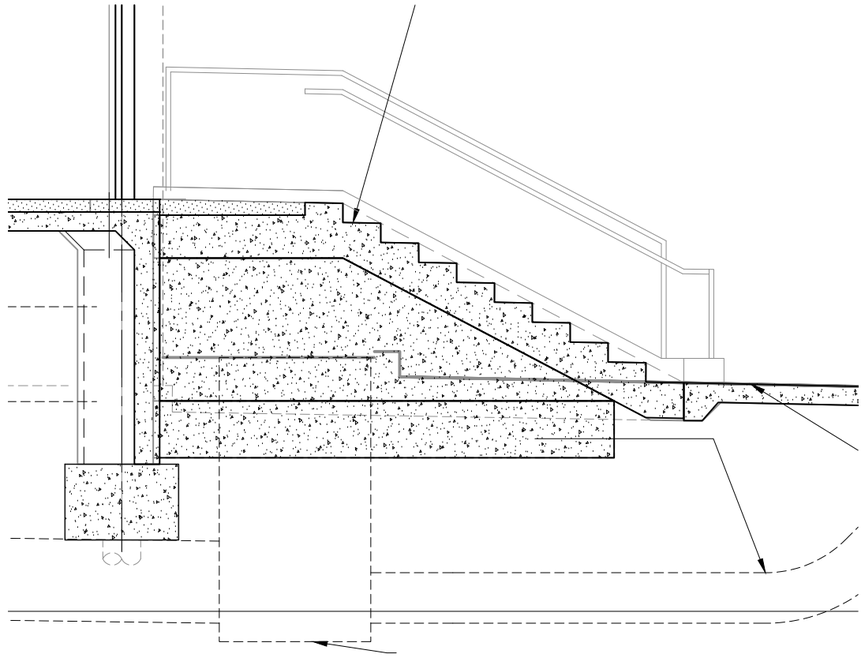
Jan, 18 2016 09:54 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WC-STATION\435 E3-WST-STR-SCT-506.dwg By: scott.shepard

GENERAL NOTES:

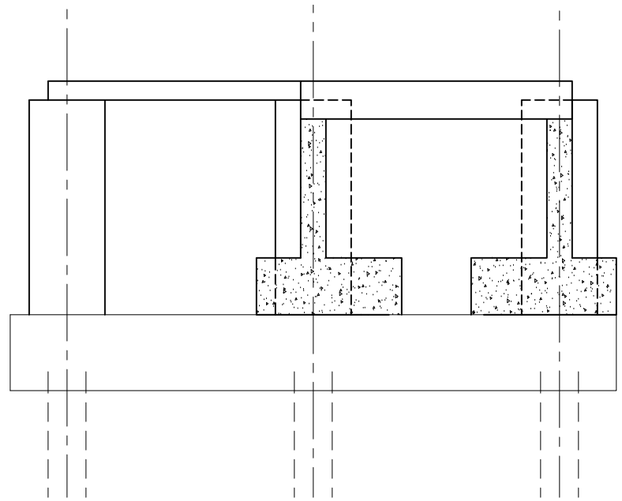
1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS, DETAILS, AND FIELD VERIFICATION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.
3. COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED.

ROOF PLAN NOTES

1. TOP OF STEEL BEAMS ELEVATION AS NOTED ON PLANS.
2. ⟷ INDICATES SPAN DIRECTION OF 1.5B16 STEEL ROOF DECK.
3. MOMENT CONNECTIONS ARE DENOTED THUS (▶—) ON PLAN OR PREQUALIFIED SHOP WELDED OR FIELD WELDED CONNECTION.
4. ⌒ INDICATES BEAM IS CONTINUOUS OVER COLUMN.
5. □ DENOTES HSS8X8X5/8 TUBE STEEL COLUMN



2 TUNNEL EGRESS SECTION
SCALE:1/8"=1'-0"
0 2 4 8
SCALE



3 TUNNEL EGRESS STAIR WALL SECTION
SCALE:1/8"=1'-0"
0 2 4 8
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC EAST TUNNEL EGRESS
SECTION VIEW

DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-SCT-601

SHEET 436 OF 510

Jan, 18 2016 09:55 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\436 E3-WST-STR-SCT-601.dwg By: scott.shepard

GENERAL NOTES:

1. DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS, DETAILS, AND FIELD VERIFICATION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.
3. COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED.

Jan, 18 2016 09:56 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\437 E3-WST-STR-SCT-602.dwg By: scott.shepard

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

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METROPOLITAN COUNCIL

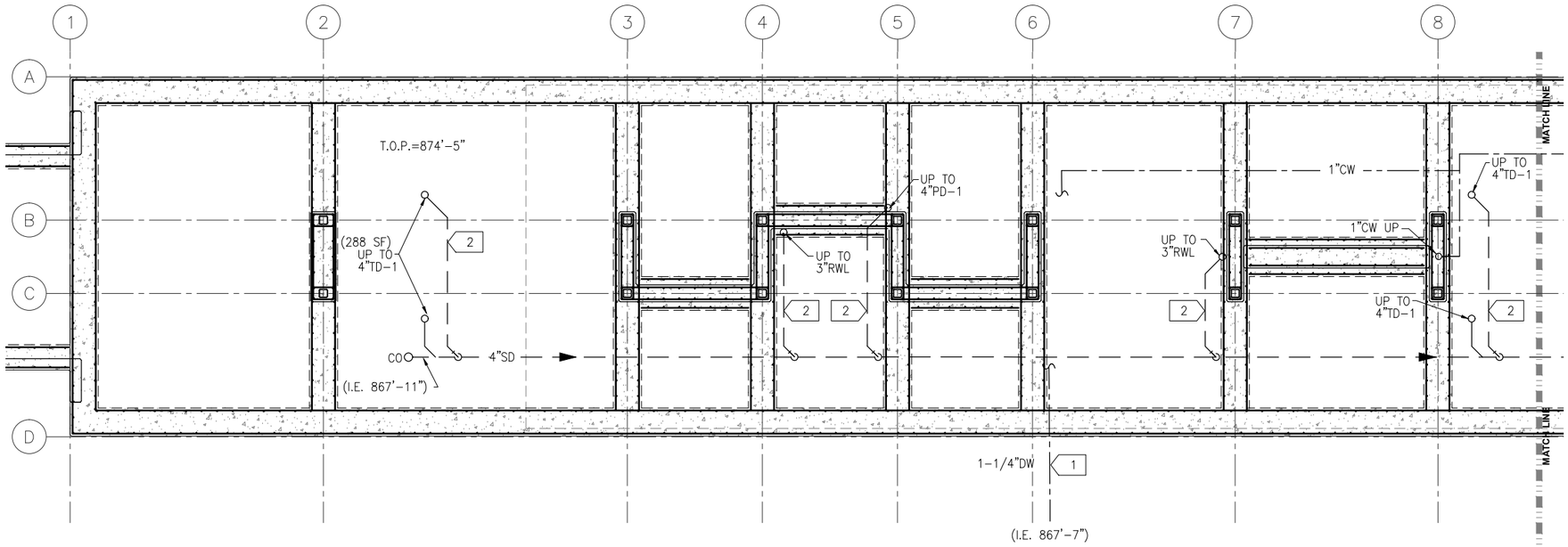
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC EAST TUNNEL EGRESS DETAILS

DISCIPLINE: STRUCTURES

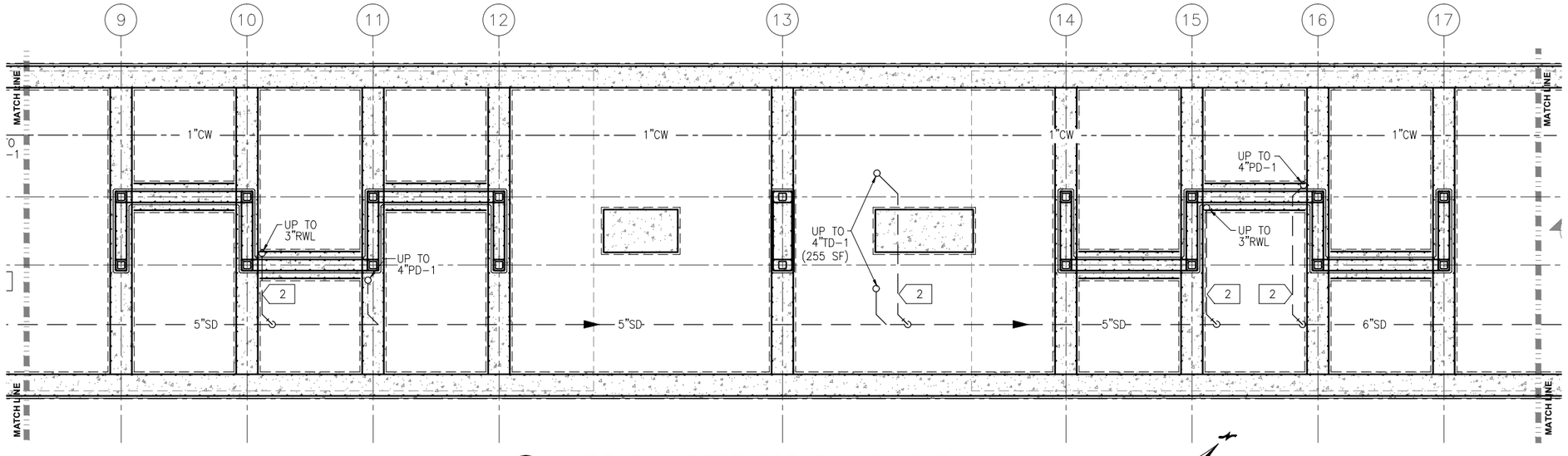
SHEET NAME: E3-WST-STR-SCT-602

SHEET 437 OF 510



1 WEST UNDERFLOOR PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 MIDDLE UNDERFLOOR PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
C. MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
D. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF HEIGHTS AND LAYOUT.
E. REFER TO PLUMBING DETAIL XXX AND VOLUME 7 FOR WATER METER LOCATION AND ENCLOSURE REQUIREMENTS.
F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES:

1 EXTEND WATER AND STORM OUTSIDE GUIDEWAY. CONNECTION BY OUTDOOR UTILITY CONTRACTOR.

2 ROUTE PIPING ABOVE DUCT BANK. DROP DOWN TO CONNECT TO MAIN.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM
ENGINEERING • LLC
CERTIFIED WOMEN'S BUSINESS ENTERPRISE

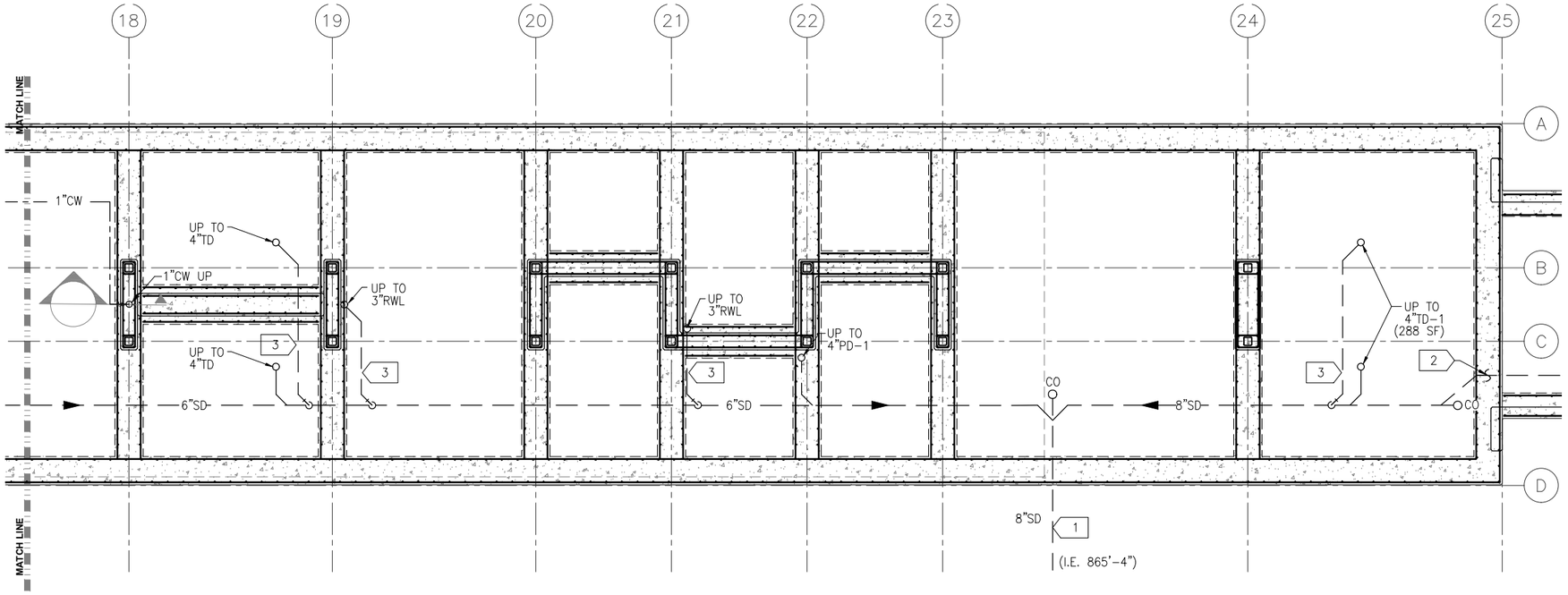
90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
WEST AND MIDDLE PARTIAL UNDERFLOOR PLUMBING PLAN

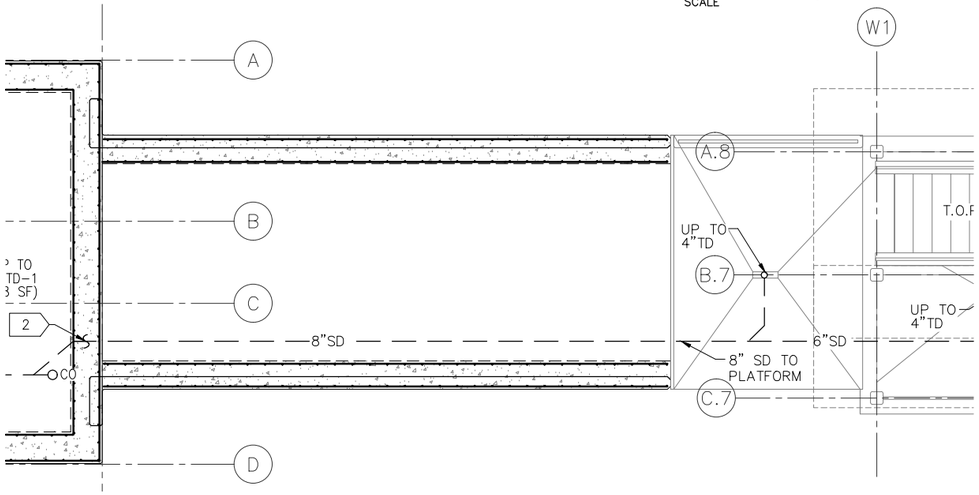
DISCIPLINE: PLUMBING
SHEET NAME: E3-WST-PLM-PLN-100

SHEET 438 OF 510



1 EAST UNDERFLOOR PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 EAST UNDERFLOOR PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
C. MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
D. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF HEIGHTS AND LAYOUT.
E. REFER TO PLUMBING DETAIL XXX AND VOLUME 7 FOR WATER METER LOCATION AND ENCLOSURE REQUIREMENTS.
F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES:

1 EXTEND WATER AND STORM OUTSIDE GUIDEWAY. CONNECTION BY OUTDOOR UTILITY CONTRACTOR.

2 8" UNDERFLOOR STORM FROM VERTICAL CIRCULATION.

3 ROUTE PIPING ABOVE DUCT BANK. DROP DOWN TO CONNECT TO MAIN.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

90% SUBMISSION - 01/22/16

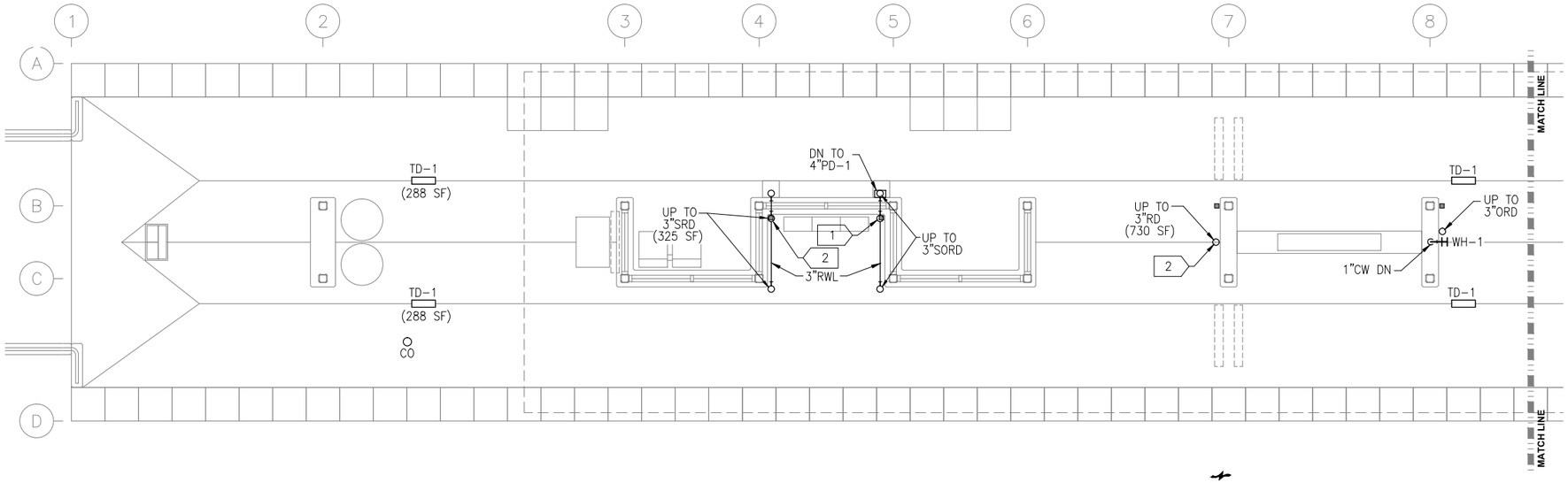
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
EAST PARTIAL UNDERFLOOR PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E3-WST-PLM-PLN-101

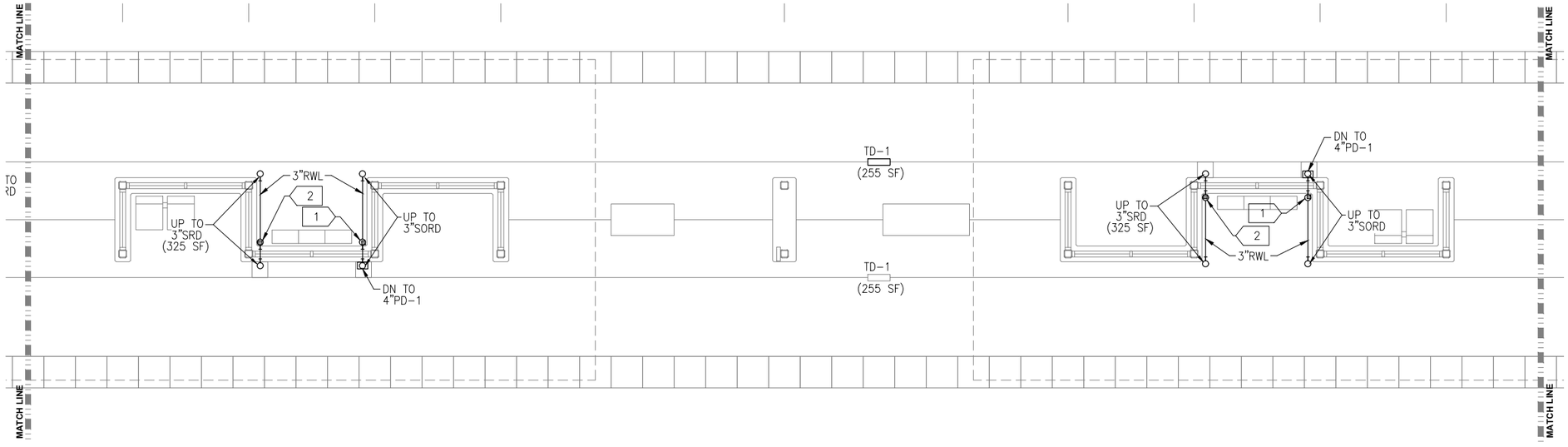
SHEET 439 OF 510

Jan, 16 2016 03:03 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\MECHANICAL\WEST LAKE STATION\E3-WST-PLM-PLN-101.dwg By: craig



1 WEST PLATFORM PLUMBING PLAN
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



2 MIDDLE PLATFORM PLUMBING PLAN
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

PLUMBING GENERAL NOTES

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G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES

1 3"ø RWL DOWN TO DISCHARGE NOZZLE DIRECTLY ABOVE 4" PD-1.

2 3"ø RWL DOWN TO BELOW PLATFORM.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM
LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

90% SUBMISSION - 01/22/16

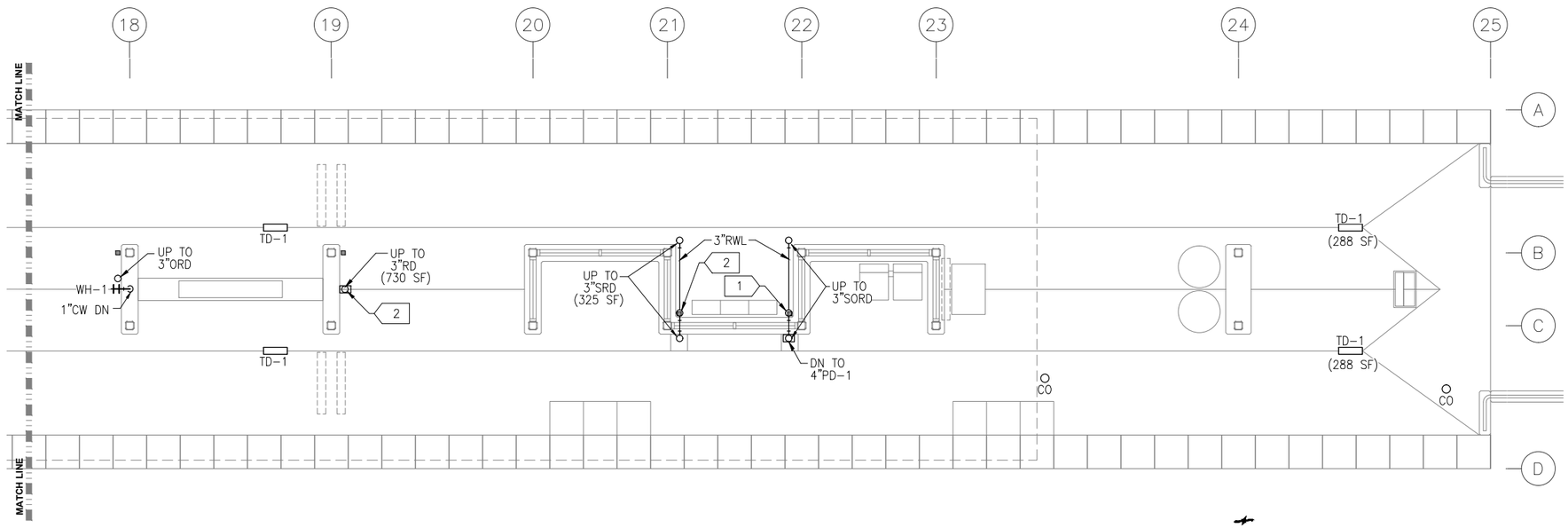
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
WEST AND MIDDLE PARTIAL PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E3-WST-PLM-PLN-110

SHEET 440 OF 510

Jan, 16 2016 03:03 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\MECHANICAL\WEST LAKE STATION\E3-WST-PLM-PLN-110.dwg By: craig



1 EAST PLATFORM PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

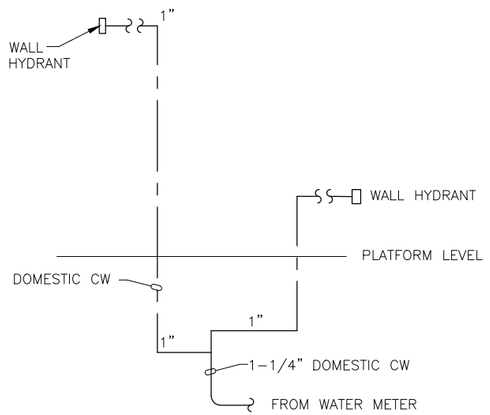
PLUMBING GENERAL NOTES

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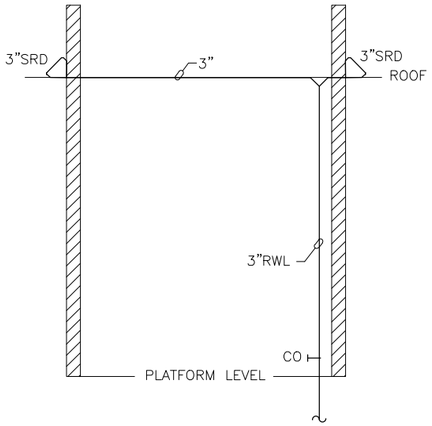
PLUMBING KEY NOTES

1 3"ø RWL DOWN TO DISCHARGE NOZZLE DIRECTLY ABOVE 4" PD-1.

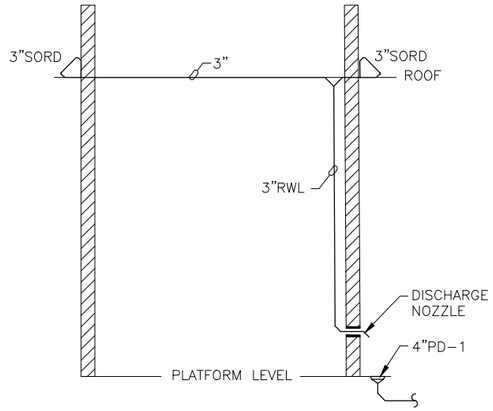
2 3"ø RWL DOWN TO BELOW PLATFORM.



2/111 DOMESTIC WATER RISER DIAGRAM
NO SCALE



1/111 TYPICAL ROOF DRAIN DIAGRAM
NO SCALE



2/111 TYPICAL OVERFLOW ROOF DRAIN DIAGRAM
NO SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM
LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

90% SUBMISSION - 01/22/16

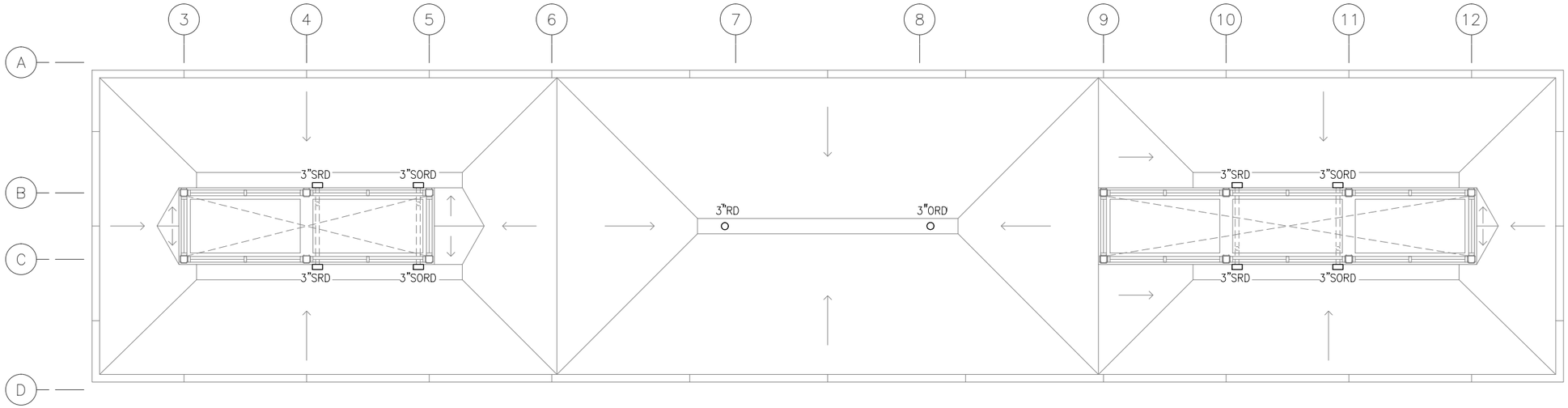
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
EAST PARTIAL PLUMBING PLAN AND RISER DIAGRAMS

DISCIPLINE: PLUMBING
SHEET NAME: E3-WST-PLM-PLN-111

SHEET 441 OF 510

Jan, 16 2016 03:03 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\MECHANICAL\WEST LAKE STATION\E3-WST-PLM-PLN-111.dwg By: craig

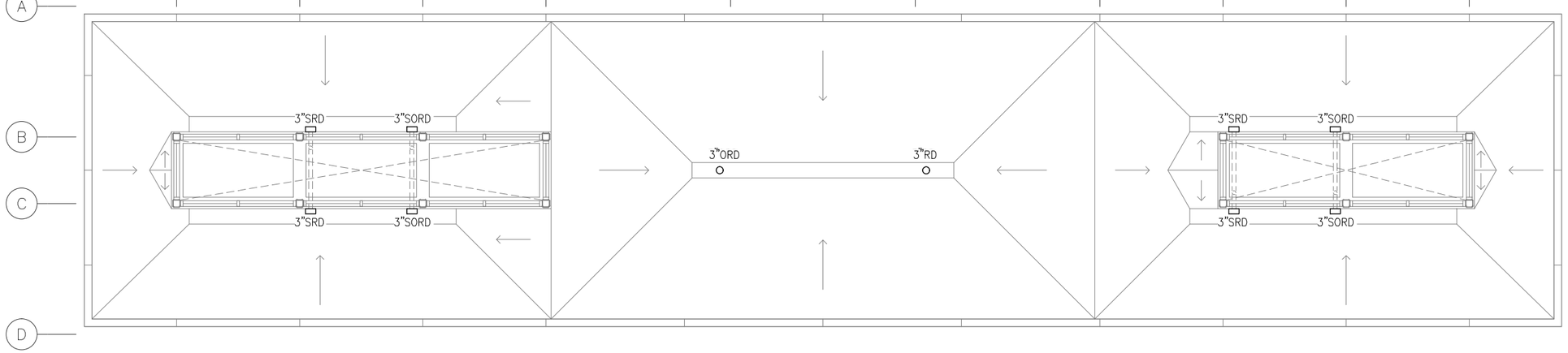


1 WEST ROOF PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
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H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.



2 EAST ROOF PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

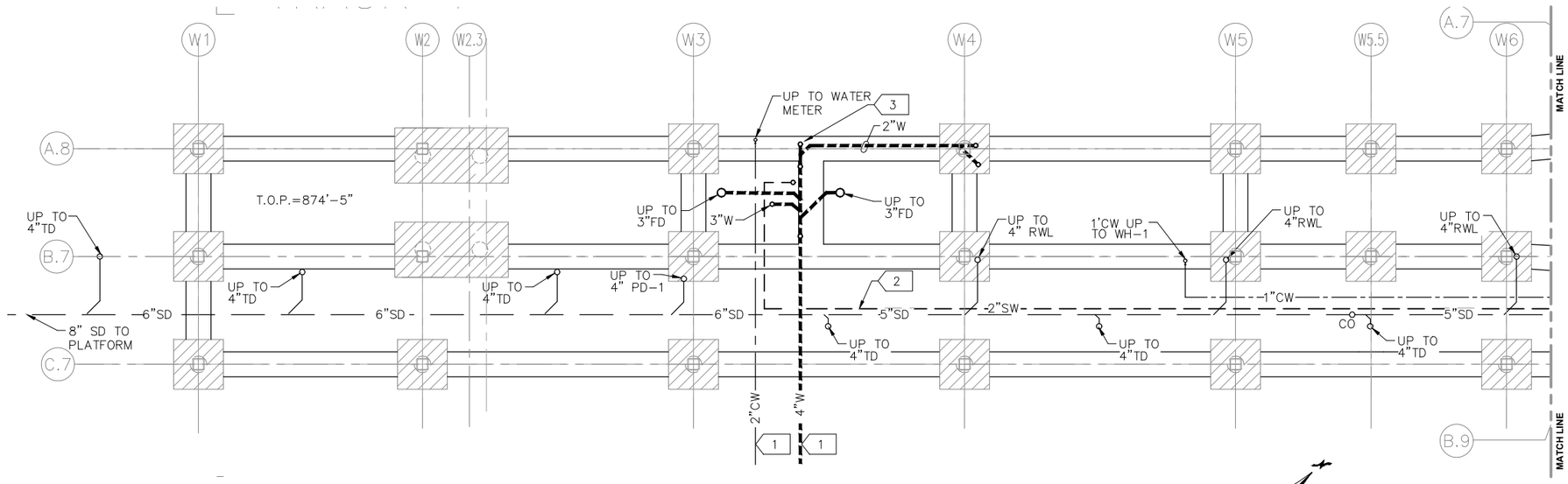
CIVIL - VOLUME 11C
WEST LAKE STATION
ROOF PLUMBING PLAN

SHEET 442 OF 510

DISCIPLINE: PLUMBING

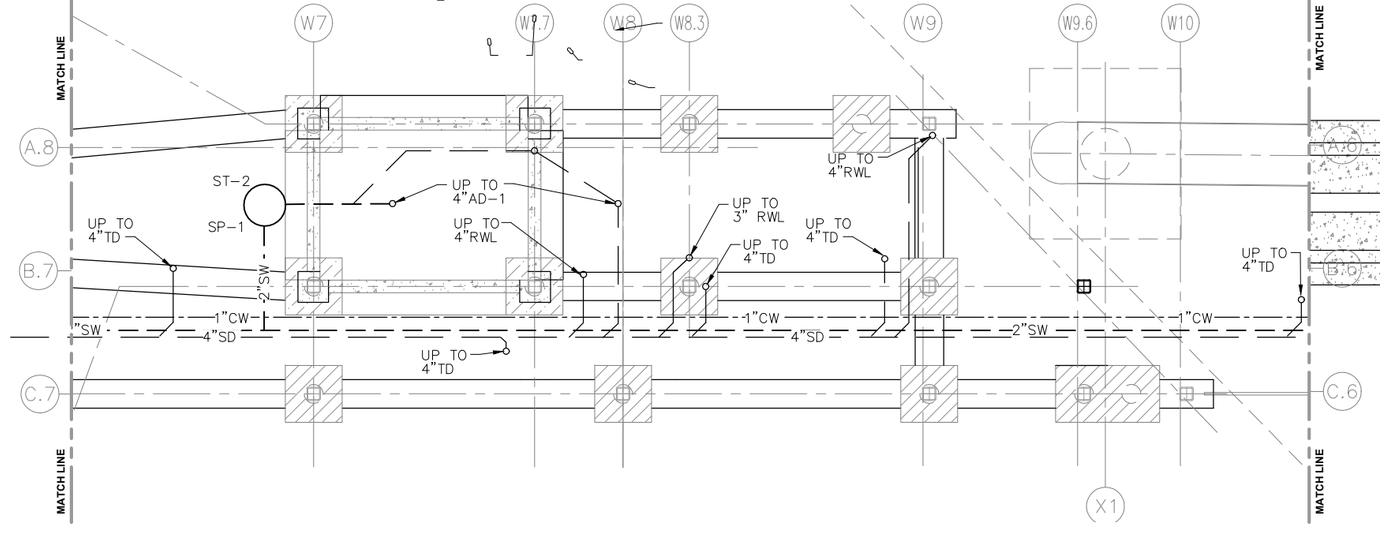
SHEET NAME: E3-WST-PLM-PLN-120

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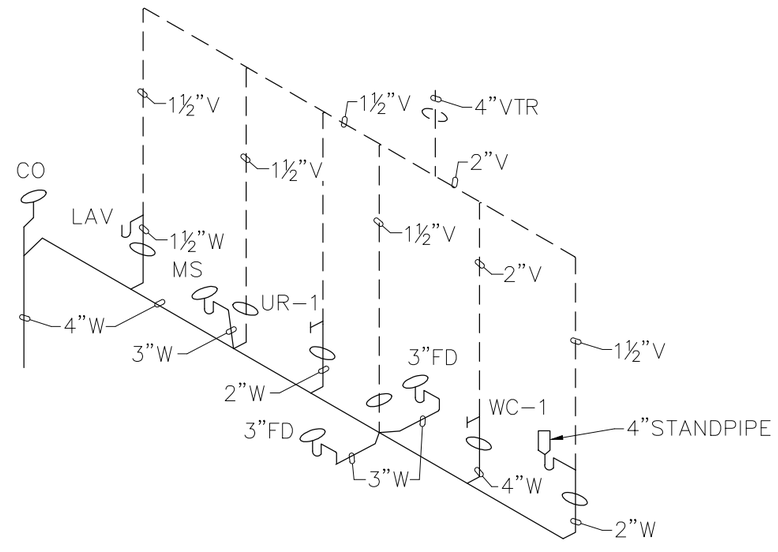
1 UNDERFLOOR PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 UNDERFLOOR PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



3 SANITARY WASTE AND VENT RISER DIAGRAM
NOT TO SCALE

PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
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H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES:

1 EXTEND WATER AND STORM OUTSIDE GUIDEWAY. CONNECTION BY OUTDOOR UTILITY CONTRACTOR.

2 2 INCH PEX PUMPED SANITARY WASTE FROM ELEVATOR PIT SUMP. RISE UP TO STANDPIPE IN JANITOR'S CLOSET.

3 UP TO 3" CLEAN OUT.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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ENGINEERING • LLC
CERTIFIED WOMEN'S BUSINESS ENTERPRISE

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

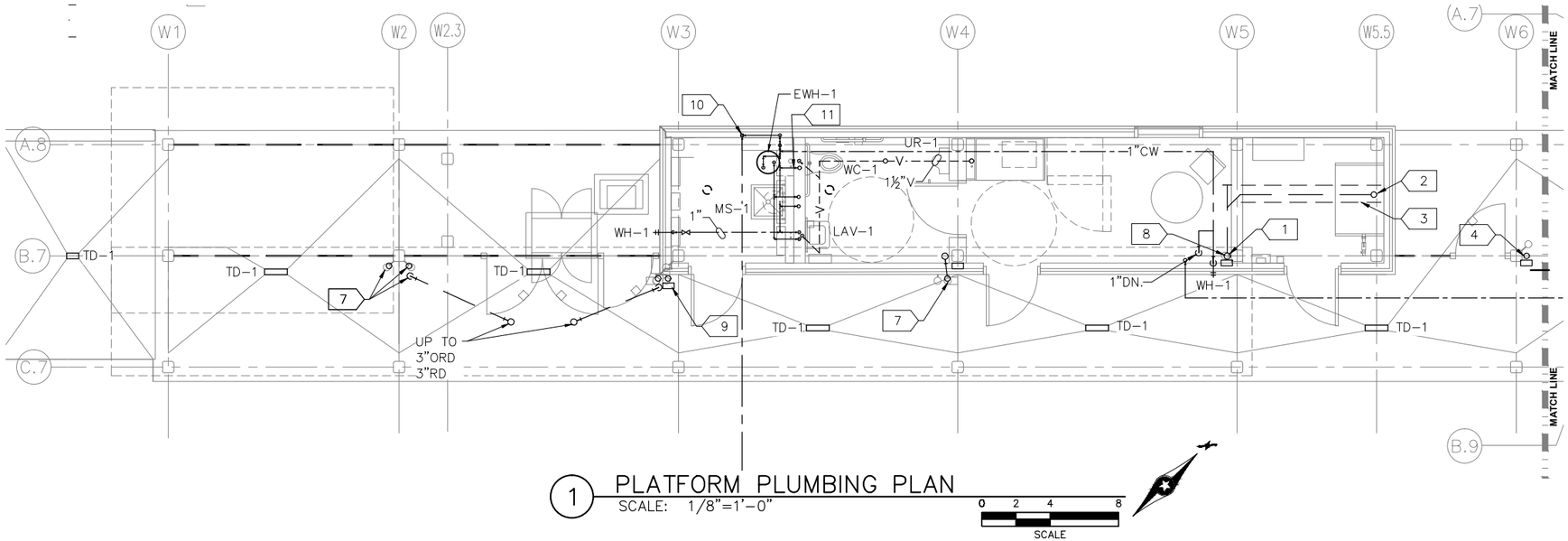
SOUTHWEST
Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC UNDERFLOOR WEST PLATFORM LEVEL PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E3-WST-PLM-PLN-130

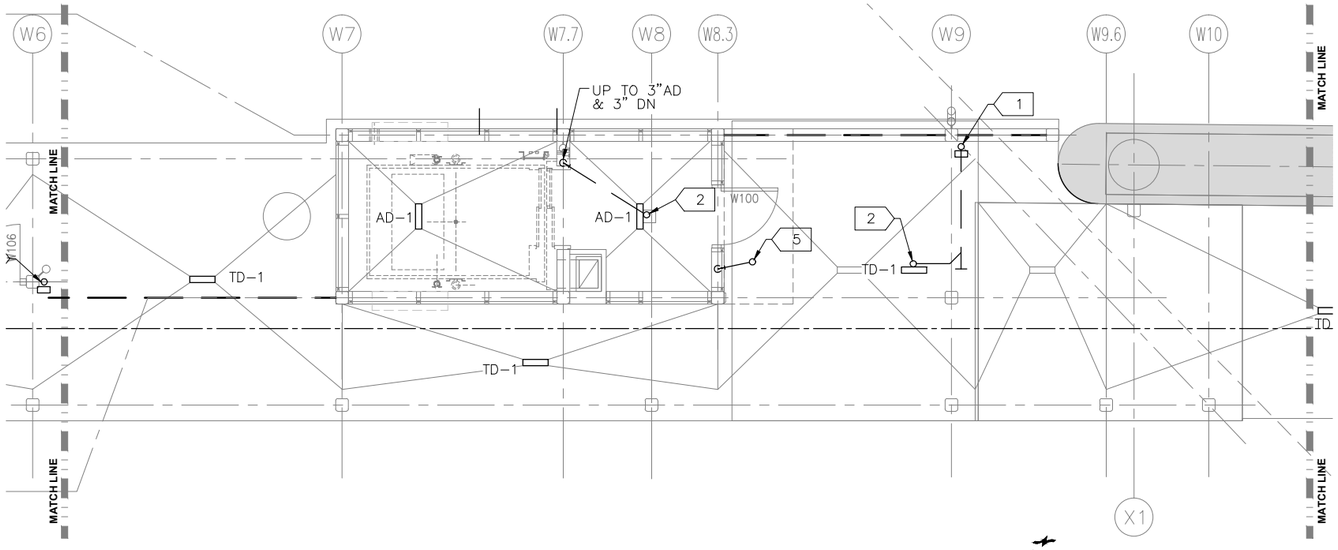
SHEET 443 OF 510

Jan, 18 2016 01:59 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\MECHANICAL\WEST LAKE STATION\E3-WST-PLM-PLN-130.dwg By: craig



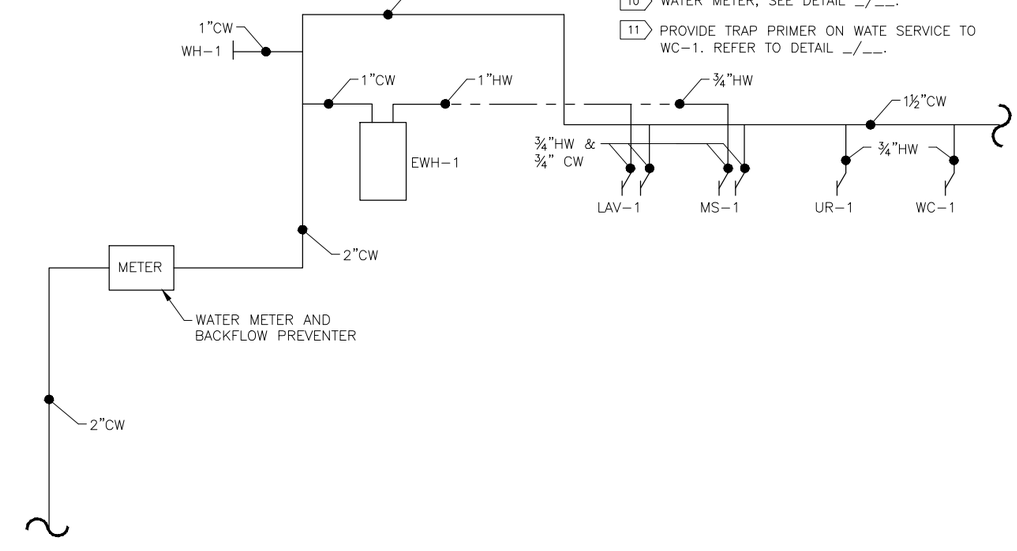
1 PLATFORM PLUMBING PLAN
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



2 PLATFORM PLUMBING PLAN
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8



3 DOMESTIC WATER RISER
NOT TO SCALE

PLUMBING GENERAL NOTES

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PLUMBING KEY NOTES:

1. 4' RWL UP, 4" RWL DOWN.
2. UP TO 4" PD-2 ON LEVEL ABOVE.
3. PIPE ENCLOSURE.
4. 3" RWL UP AND DOWN.
5. UP TO 3" RD.
6. 3" RWL DOWN.
7. TERMINATE 3"ORD AT PLATFORM LEVEL.
8. 3" RWL UP.
9. 4" PD-1.
10. WATER METER, SEE DETAIL _/__.
11. PROVIDE TRAP PRIMER ON WATE SERVICE TO WC-1. REFER TO DETAIL _/__.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM
LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

90% SUBMISSION - 01/22/16

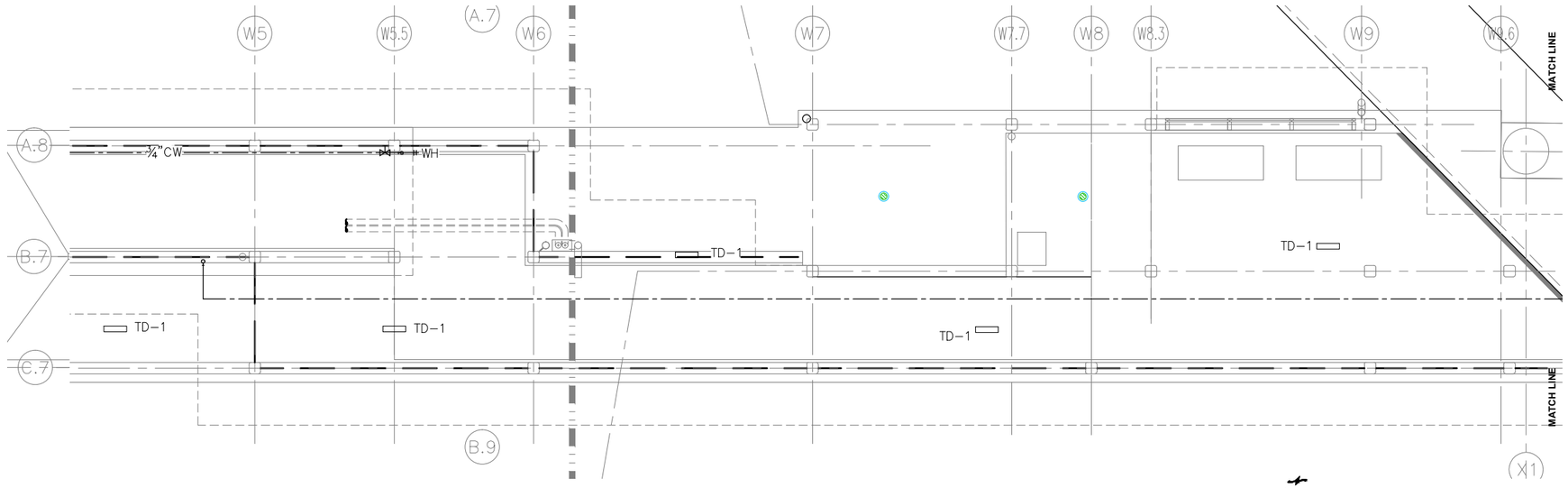
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC WEST PLATFORM LEVEL
PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E3-WST-PLM-PLN-131

SHEET 444 OF 510

Jan, 16 2016 03:04 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\MECHANICAL\WEST LAKE STATION\E3-WST-PLM-PLN-131.dwg By: craig



1 INTERMEDIATE LEVEL PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

PLUMBING GENERAL NOTES

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AECOM LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

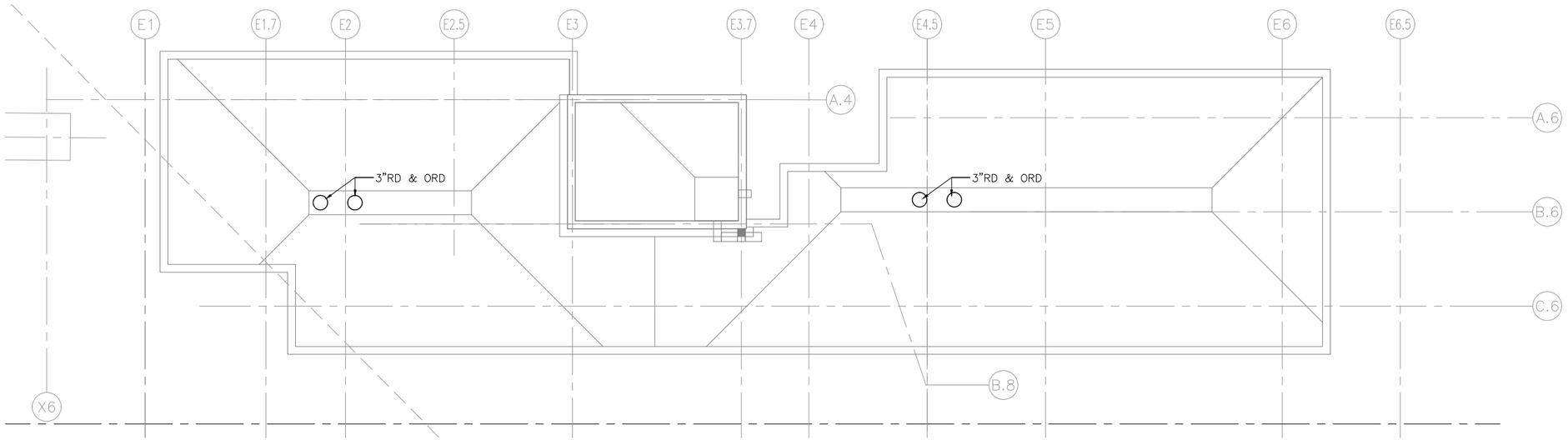
CIVIL - VOLUME 11C
WEST LAKE STATION
VC WEST INTERMEDIATE LEVEL
PLUMBING PLAN

DISCIPLINE: PLUMBING

SHEET NAME: E3-WST-PLM-PLN-132

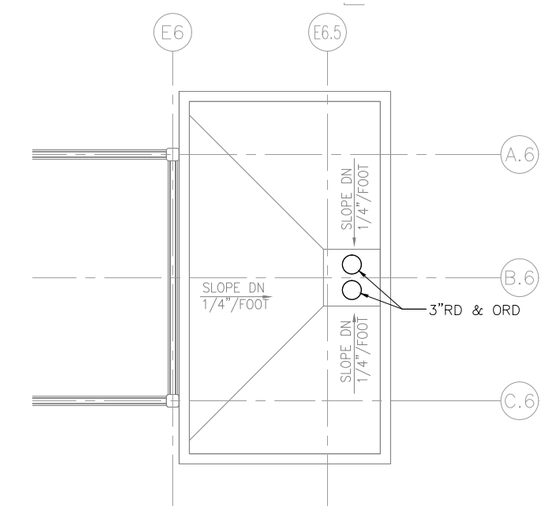
SHEET 445 OF 510

Jan, 16 2016 03:04 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\MECHANICAL\WEST LAKE STATION\WEST LAKE VERTICAL CIRCULATION\E3-WST-PLM-PLN-132.dwg By: craig



1 VC PARTIAL ROOF PLAN (EAST)
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 VC PARTIAL ROOF PLAN 018 (EAST)
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

PLUMBING GENERAL NOTES

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PLUMBING KEY NOTES:

1 3" O.R.D. TERMINIATE ON ROOF OF ELEVATOR MACHINE ROOM.
2 4" RWL DOWN WITH BOOT CONNECTION.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM
LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

90% SUBMISSION - 01/22/16

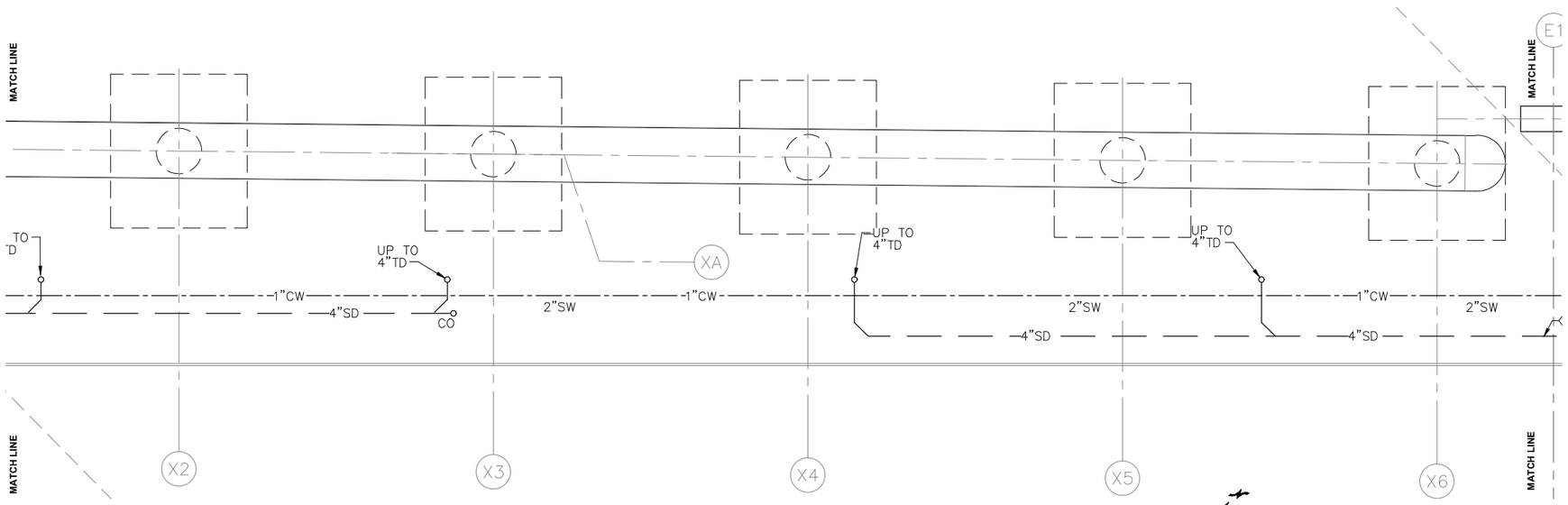
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC EAST ROOF PLUMBING PLAN

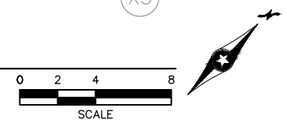
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SHEET NAME: E3-WST-PLM-PLN-133

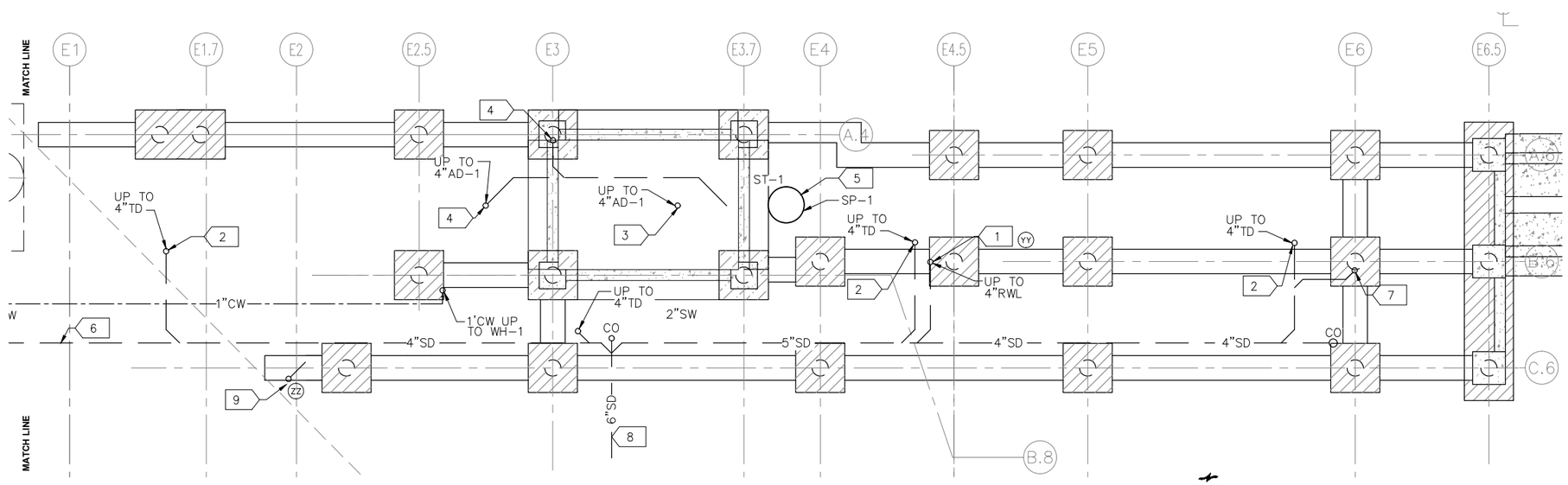
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Jan, 16 2016 03:04 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\MECHANICAL\WEST LAKE STATION\WEST LAKE VERTICAL CIRCULATION\E3-WST-PLM-PLN-133.dwg By: craig

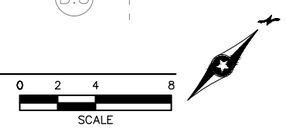


1 UNDERFLOOR PLUMBING PLAN
SCALE: 1/8"=1'-0"





2 UNDERFLOOR PLUMBING PLAN
SCALE: 1/8"=1'-0"



PLUMBING GENERAL NOTES

A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE CAR PRIOR TO PROCEEDING WITH WORK.
B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
C. MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
D. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF HEIGHTS AND LAYOUT.
E. REFER TO PLUMBING DETAIL XXX AND VOLUME 7 FOR WATER METER LOCATION AND ENCLOSURE REQUIREMENTS.
F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES:

1. UP TO 4" RWL WITH BOOT CONNECTION.
2. UP TO 4" TRENCH DRAIN OUTLET.
3. UP TO 4" FLOOR DRAIN IN ELEVATOR HOISTWAY. ELEVATOR DRAIN ROUTES TO SUMP INLET.
4. UP TO 4" AREA DRAIN IN ELEVATOR LOBBY.
5. ELEVATOR SUMP WITH 4-INCH INLET FROM ELEVATOR PIT.
6. STORM WATER DRAINAGE CONTINUES TO PLATFORM DRAWINGS.
7. UP TO 4" RWL WITH BOOT CONNECTION.
8. EXTEND WATER AND STORM OUTSIDE GUIDEWAY. CONNECTION BY OUTDOOR UTILITY CONTRACTOR.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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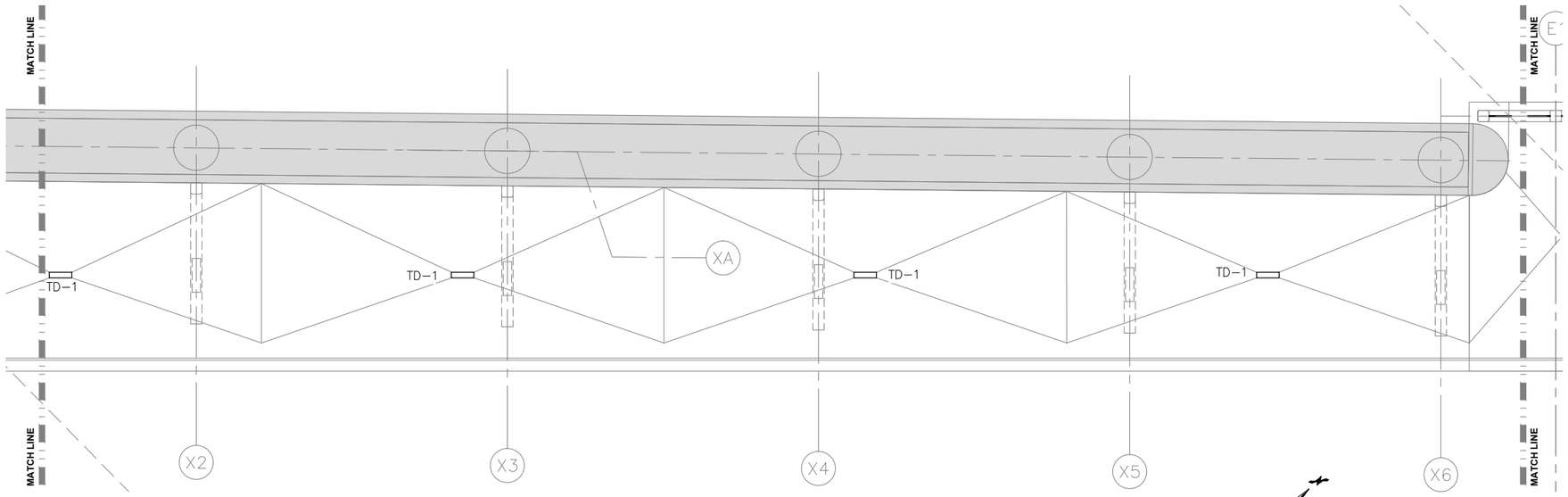
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC UNDERFLOOR EAST PLATFORM LEVEL PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E3-WST-PLM-PLN-134

SHEET 447 OF 510

Jan, 16 2016 03:04 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\MECHANICAL\WEST LAKE STATION\WEST LAKE VERTICAL CIRCULATION\E3-WST-PLM-PLN-134.dwg By: craig



1 PLATFORM LEVEL PLUMBING PLAN
SCALE: 1/8"=1'-0"

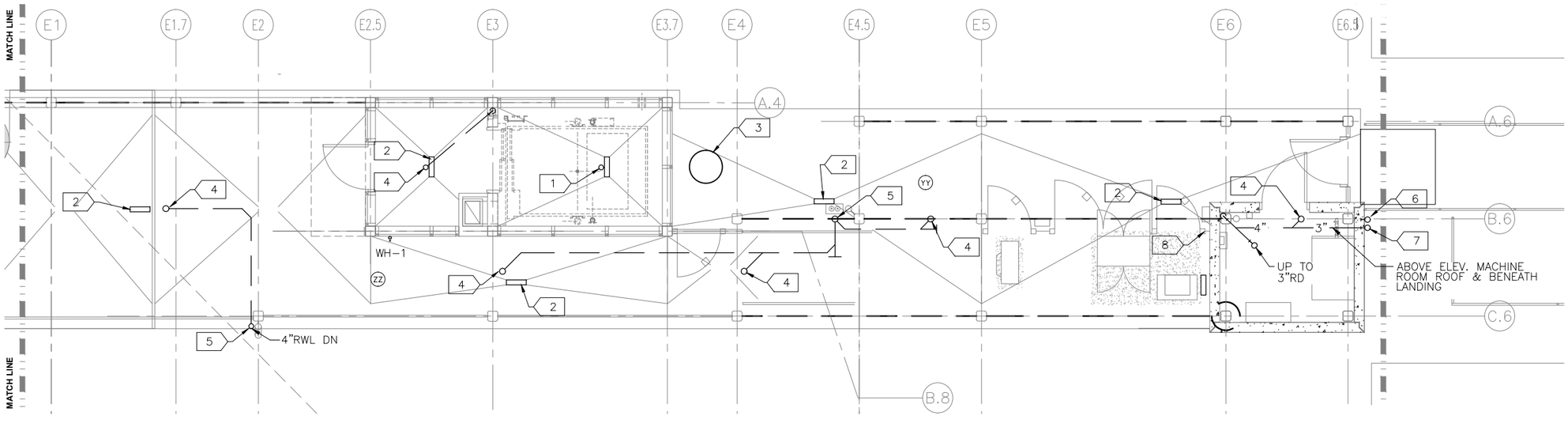
SCALE 0 2 4 8

PLUMBING GENERAL NOTES

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B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
C. MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
D. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF HEIGHTS AND LAYOUT.
E. REFER TO PLUMBING DETAIL XXX AND VOLUME 7 FOR WATER METER LOCATION AND ENCLOSURE REQUIREMENTS.
F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES:

1. 4-INCH ELEVATOR HOISTWAY DRAIN TO UNDERFLOOR SUMP. DRAIN SHALL HAVE NO TRAP.
2. STORM WATER TRENCH DRAIN TD-1.
3. ELEVATOR HOISTWAY SUMP TANK LID.
4. UP TO 4" TD ON LEVEL ABOVE.
5. 4" RWL UP AND DOWN.
6. 3" O.D. TERMINATE ON STAIR LANDING.
7. 3" RWL UP.
8. 4" RWL DOWN.



2 PLATFORM LEVEL PLUMBING PLAN
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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90% SUBMISSION - 01/22/16

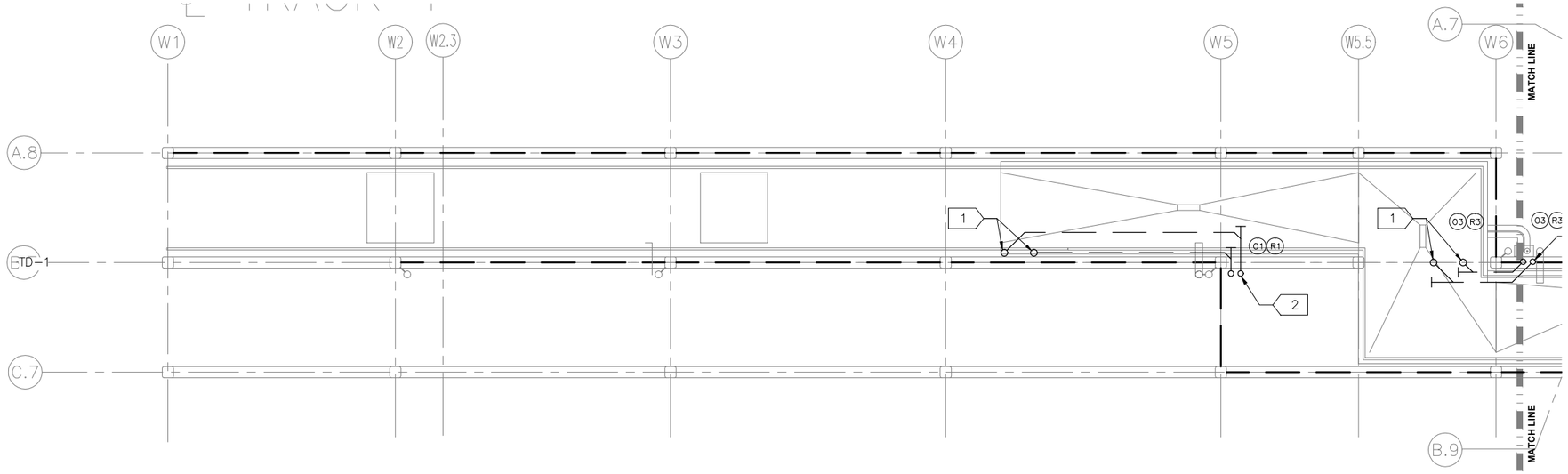
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC EAST PLATFORM LEVEL PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E3-WST-PLM-PLN-135

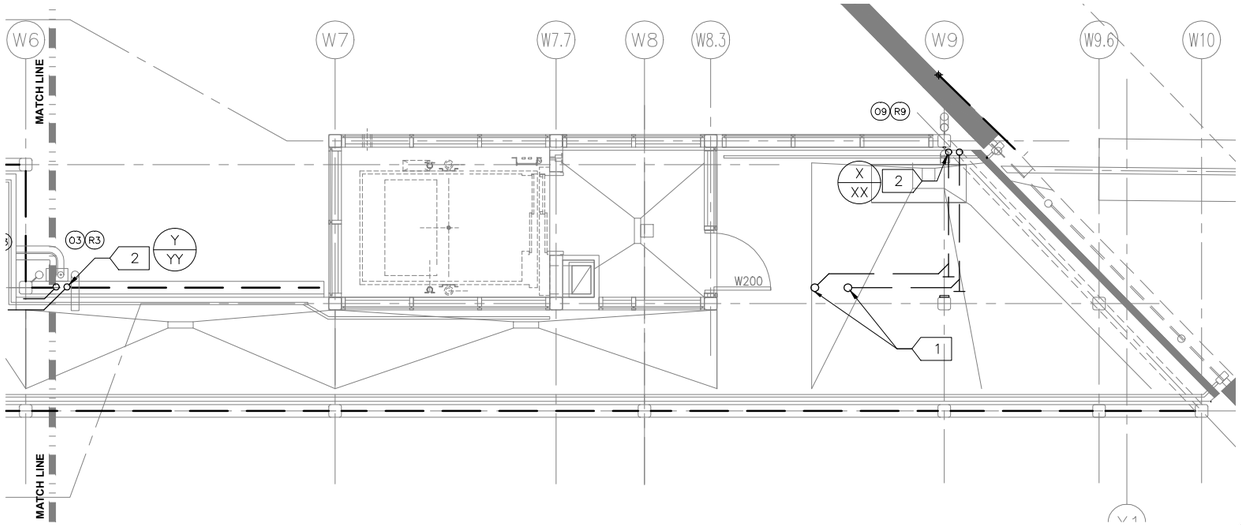
SHEET 448 OF 510

Jan, 16 2016 03:04 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\MECHANICAL\WEST LAKE STATION\WEST LAKE VERTICAL CIRCULATION\E3-WST-PLM-PLN-135.dwg By: craig



1 VC BRIDGE LEVEL PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 VC BRIDGE LEVEL PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

PLUMBING GENERAL NOTES

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B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
C. MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
D. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF HEIGHTS AND LAYOUT.
E. REFER TO PLUMBING DETAIL XXX AND VOLUME 7 FOR WATER METER LOCATION AND ENCLOSURE REQUIREMENTS.
F. ALL STORM AND SANITARY PIPE IS CAST IRON HUB AND SPIGOT UNLESS OTHERWISE NOTED.
G. ALL UNDERGROUND DOMESTIC WATER IS PEX-A UNLESS OTHERWISE NOTED.
H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

PLUMBING KEY NOTES:

1 UP TO 3" RD AND 3" ORD.
2 3" RD DOWN.
3 TERMINATE 3" ORD AT BRIDGE LEVEL.

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LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

90% SUBMISSION - 01/22/16

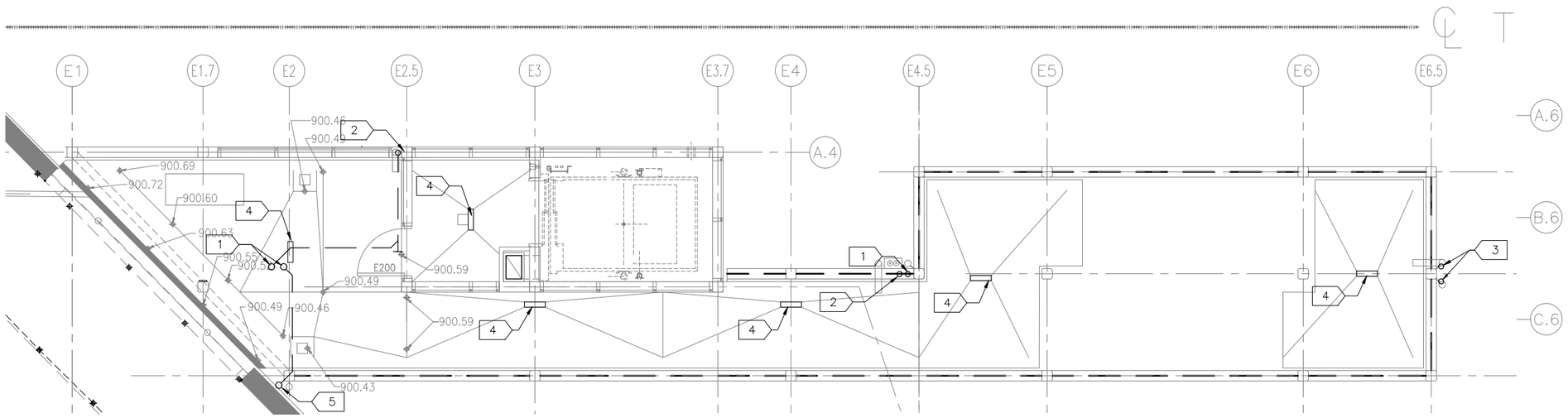
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC WEST BRIDGE LEVEL PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E3-WST-PLM-PLN-136

SHEET 449 OF 510

Jan, 16 2016 03:04 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\MECHANICAL\WEST LAKE STATION\WEST LAKE VERTICAL CIRCULATION\E3-WST-PLM-PLN-136.dwg By: craig



1 BRIDGE LEVEL PLUMBING PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

PLUMBING GENERAL NOTES

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PLUMBING GENERAL NOTES

1 UP TO 3"RD AND 3" ORD.
2 TERMINATE 3" ORD BRIDGE DECK.
3 DROP RD AND ORD DOWN TO PLATFORM LEVEL.
4 4" PD-2.
5 3" RWL DONW.

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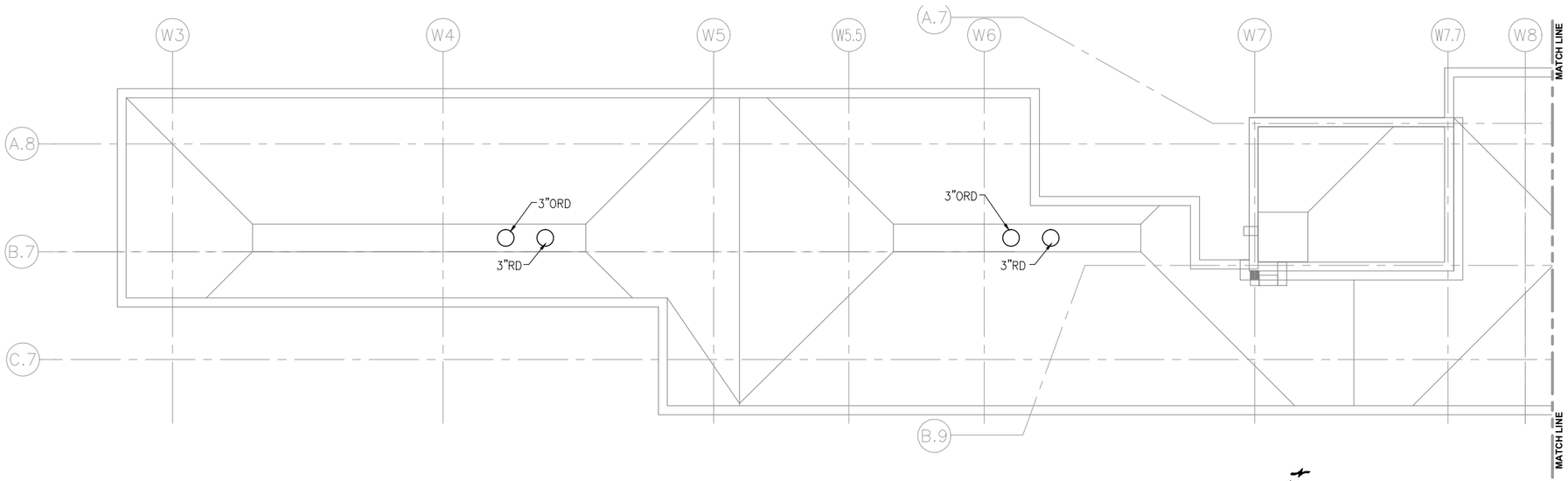
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC EAST BRIDGE LEVEL
PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E3-WST-PLM-PLN-137

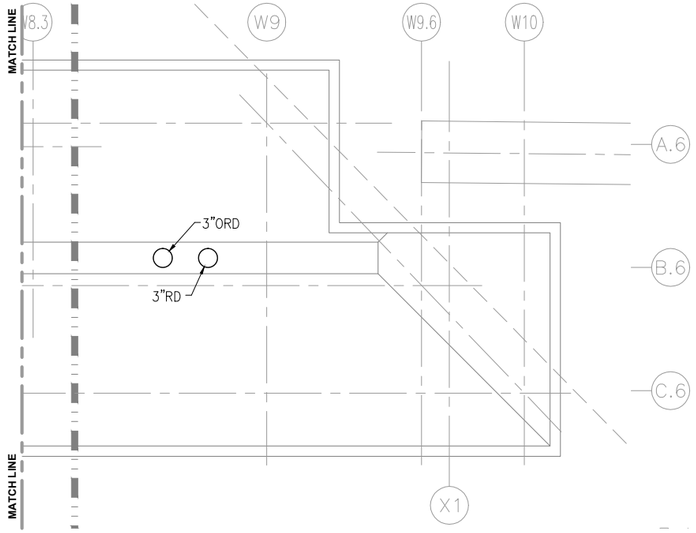
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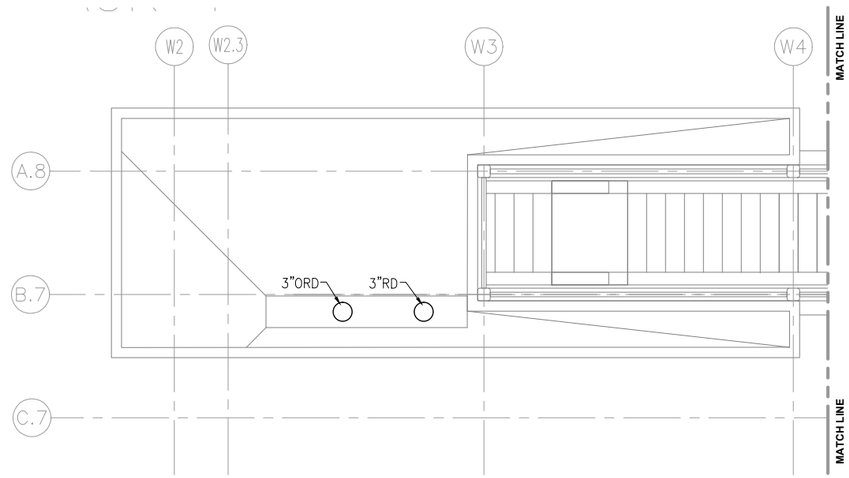
1 VC WEST PLUMBING ROOF PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 VC WEST PLUMBING ROOF PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



3 VC WEST PARTIAL PLUMBING ROOF PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

PLUMBING GENERAL NOTES

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H. ALL BURIED, PRESSURIZED FERROUS PIPES AND COPPER SERVICES REQUIRE CORROSION PROTECTION.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

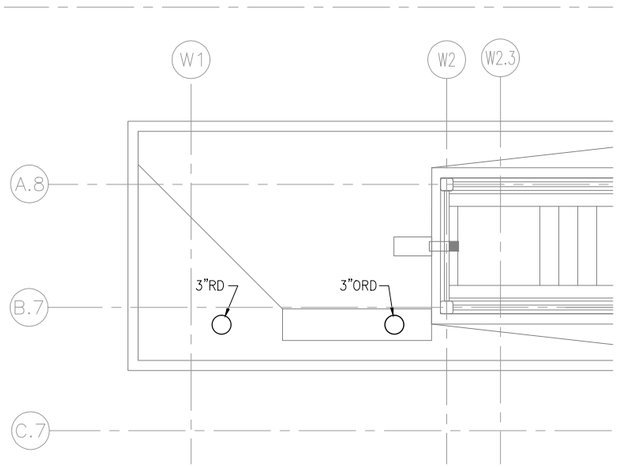
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CIVIL - VOLUME 11C
WEST LAKE STATION
VC WEST ROOF PLUMBING PLAN

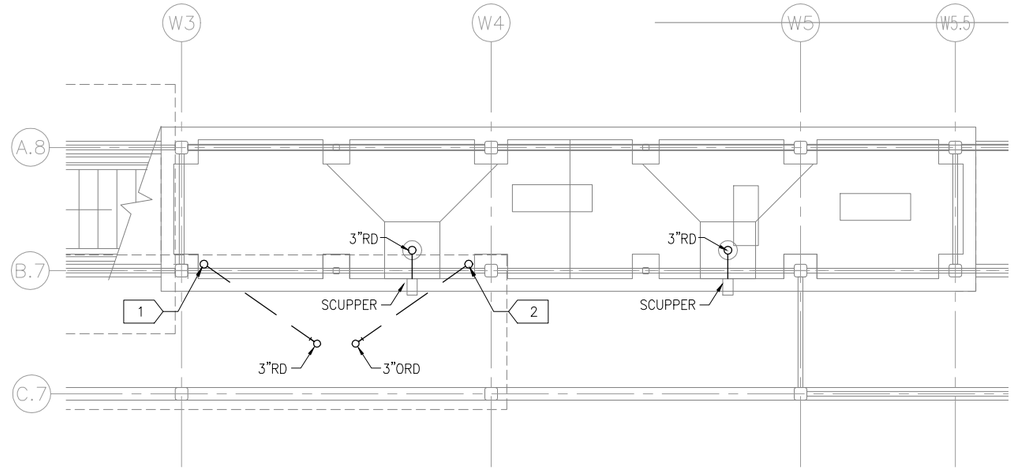
DISCIPLINE: PLUMBING
SHEET NAME: E3-WST-PLM-PLN-138

SHEET 451 OF 510

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1 VC PARTIAL ROOF PLAN 017 (EAST)
SCALE: 1/8"=1'-0"



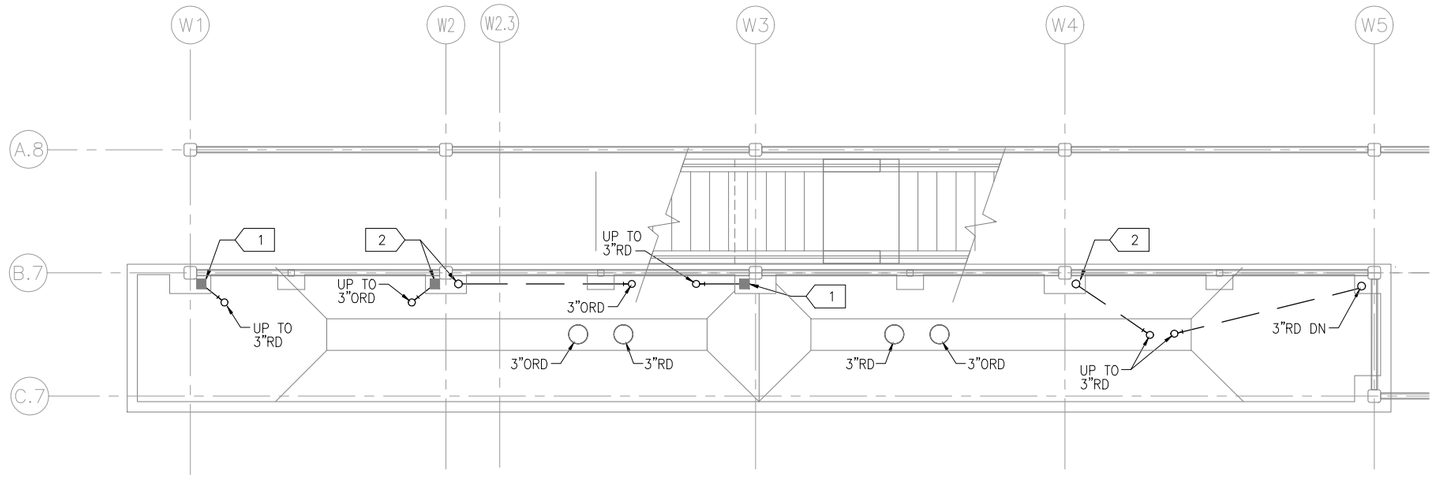
2 VC PARTIAL ROOF PLAN 001 (EAST)
SCALE: 1/8"=1'-0"

PLUMBING GENERAL NOTES

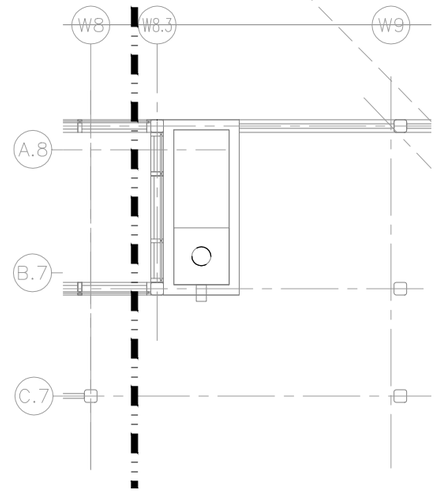
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PLUMBING GENERAL NOTES

1 TERMINATE ABOVE SPLASH BLOCK WITH 90° ELBOW.
2 3"ORD DOWN.
3 TERMINATE AT BRIDGE LEVEL.



3 VC PARTIAL ROOF PLAN 015 (WEST)
SCALE: 1/8"=1'-0"



4 VC PARTIAL ROOF PLAN 001 (WEST)
SCALE: 1/8"=1'-0"

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LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

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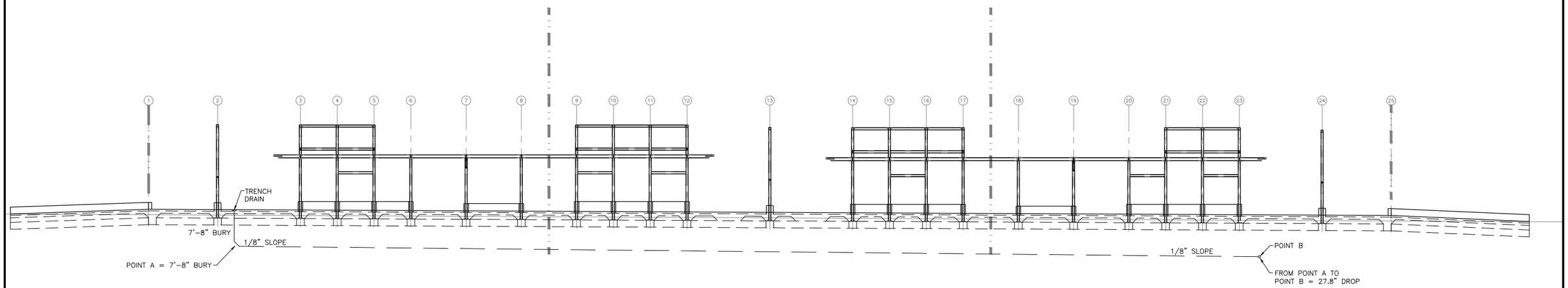
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC EAST ROOF PLUMBING PLAN

DISCIPLINE: PLUMBING
SHEET NAME: E3-WST-PLM-PLN-139

SHEET 452 OF 510

Jan, 16 2016 03:05 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\MECHANICAL\WEST LAKE STATION\WEST LAKE VERTICAL CIRCULATION\E3-WST-PLM-PLN-139.dwg By: craig



1 PLUMBING SECTION
SCALE: 3/64"=1'-0"

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LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

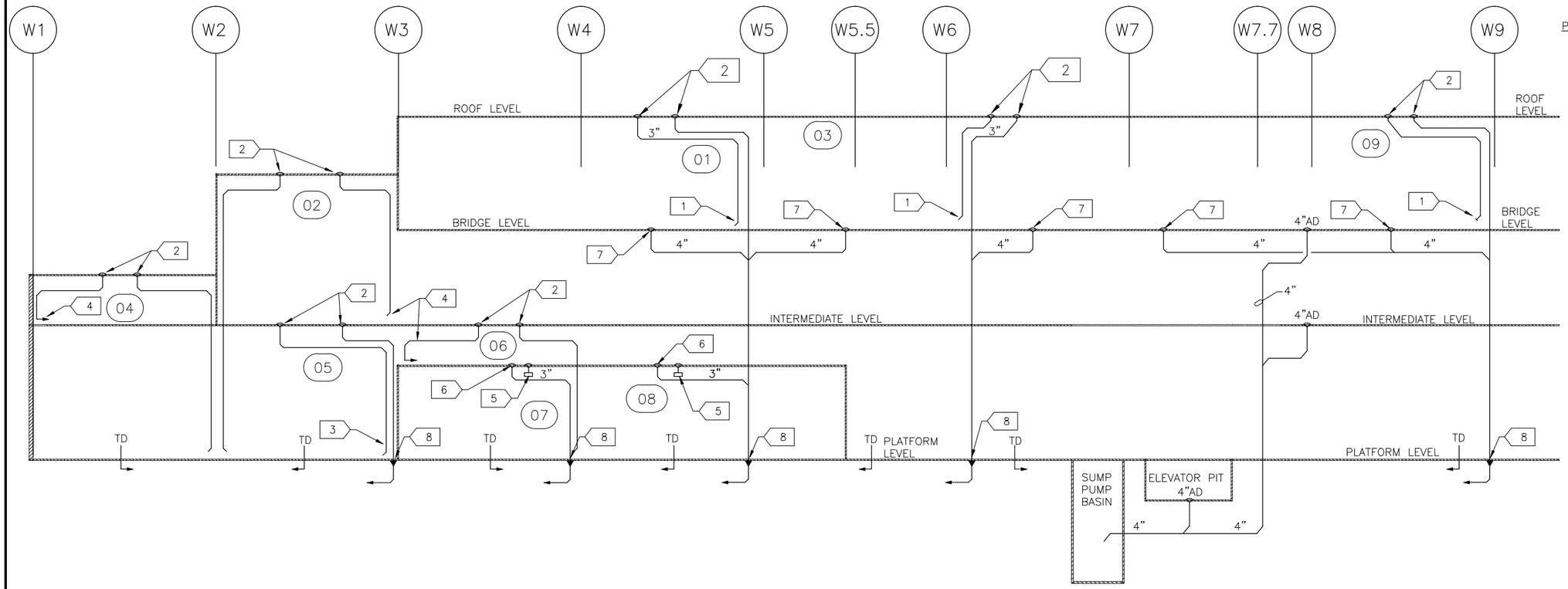
CIVIL - VOLUME 11C
WEST LAKE STATION
TYPICAL PLATFORM PLUMBING SECTION

DISCIPLINE: PLUMBING

SHEET NAME: E3-WST-PLM-SCT-201

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PLUMBING GENERAL NOTES

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1. TERMINATE ORD AT BRIDGE LEVEL
2. 3"RD AND 3"ORD
3. TERMINATE ORD AT PLATFORM LEVEL
4. TERMINATE RD AT INTERMEDIATE LEVEL
5. OVERFLOW SCUPPERS
6. 3" ROOF DRAIN
7. 4" PD-2.
8. RWL DOWN THRU PLATEFORM LEVEL.

1 VC STORM DRAINAGE RISER
NO SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

90% SUBMISSION - 01/22/16

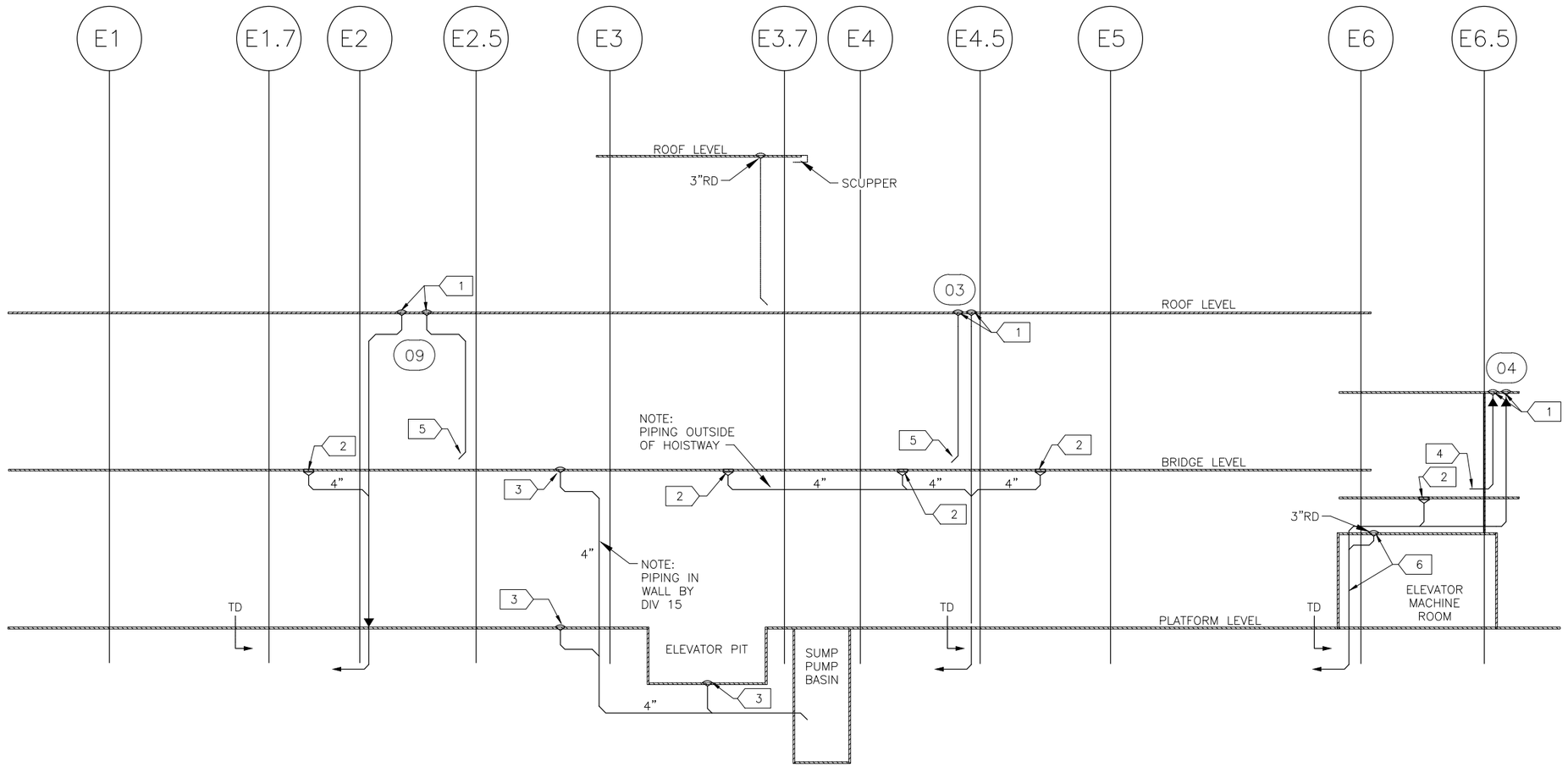
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC WEST STORM DRAINAGE RISER

DISCIPLINE: PLUMBING
SHEET NAME: E3-WST-PLM-DTL-300

SHEET 454 OF 510

Jan, 16 2016 03:05 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\MECHANICAL\WEST LAKE STATION\WEST LAKE VERTICAL CIRCULATION\E3-WST-PLM-DTL-300.dwg By: craig



1 VC STORM DRAINAGE RISER
NO SCALE

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1. 3"RD AND 3"ORD
2. 4" PD-2
3. 4" AREA DRAIN
4. TERMINATE ORD AT LANDING
5. TERMINATE ORD AT BRIDGE LEVEL
6. ENCASE ALL RAINWATER PIPING LOCATED WITHIN ELEVATOR MACHINE ROOM.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

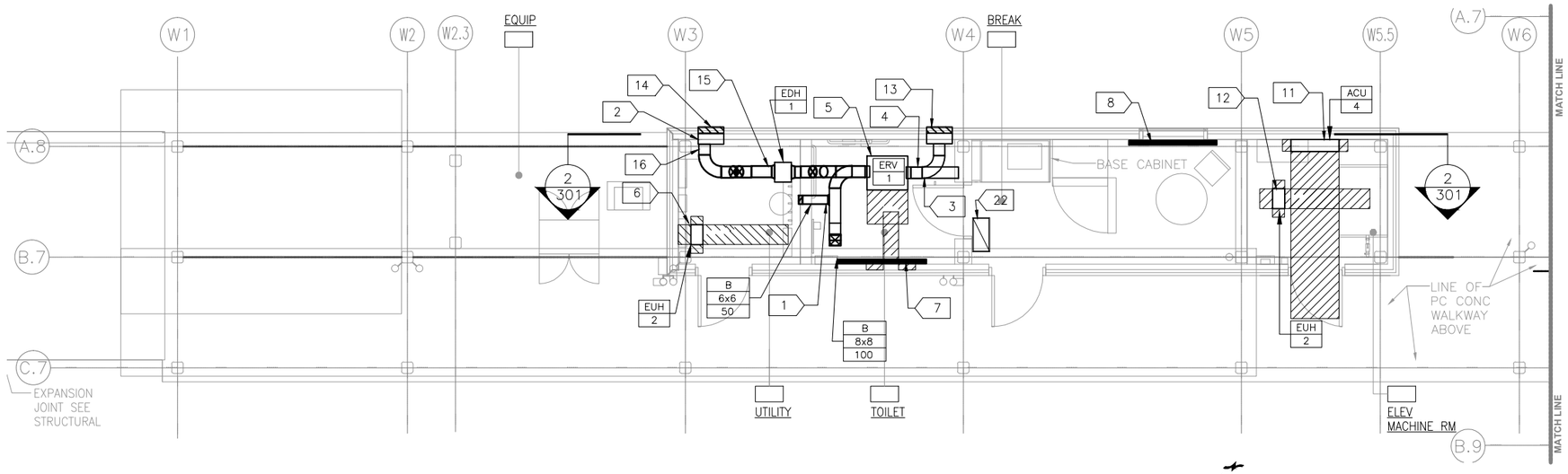
CIVIL - VOLUME 11C
WEST LAKE STATION
VC EAST STORM DRAINAGE RISER

DISCIPLINE: PLUMBING

SHEET NAME: E3-WST-PLM-DTL-301

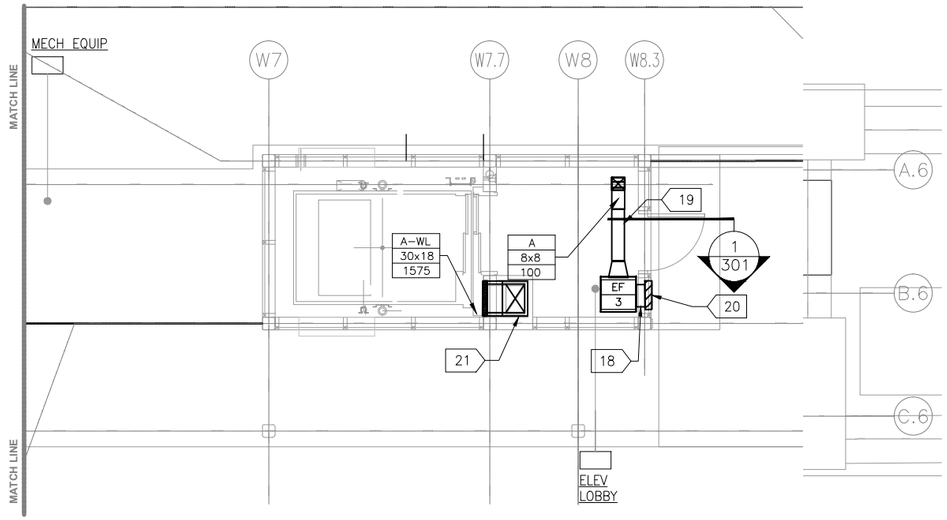
SHEET 455 OF 510

Jan. 16 2016 03:05 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\MECHANICAL\WEST LAKE STATION\WEST LAKE VERTICAL CIRCULATION\E3-WST-PLM-DTL-301.dwg By: craig



1 WEST PLATFORM HVAC PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE



2 WEST PLATFORM HVAC PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

HVAC GENERAL SHEET NOTES:

A. SECURELY SUSPEND HVAC EQUIPMENT FROM STRUCTURE AND PROVIDE VIBRATION ISOLATION. REFER TO STRUCTURAL DRAWINGS FOR LIMITATIONS.
B. PROVIDE MANUAL BALANCING DAMPERS FOR ALL SUPPLY AIR OUTLETS AND WHERE INDICATED ON BRANCH DUCTWORK.
C. PROVIDE DUCT ACCESS PANELS AT LOCATIONS OF ALL MOTORIZED DAMPERS AND FIRE DAMPERS.
D. PROVIDE FLEXIBLE DUCT CONNECTIONS AT ALL DUCTWORK TO MECHANICAL EQUIPMENT CONNECTIONS.
E. MAINTAIN REQUIRED CLEARANCES DIRECTLY OVER AND IN FRONT OF ALL ELECTRICAL EQUIPMENT.
F. MAINTAIN REQUIRED CLEARANCES AT ALL MECHANICAL EQUIPMENT.
G. RUN DUCTWORK AS HIGH AS POSSIBLE.
H. INLET VENTILATION AIR DUCTWORK SHALL BE INSULATED FULL LENGTH.
I. PROVIDE CEILING ACCESS PANELS AT MANUAL VOLUME DAMPERS AND FAN ACCESS.
J. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION FOR GRILLES, REGISTERS, AND DIFFUSERS.

HVAC KEY NOTES:

1. 6-INCH DIAMETER ROUND EXHAUST AIR FROM 6X6 RETURN AIR GRILLE TO 8-INCH EXHAUST AIR MAIN.
2. 8-INCH DIAMETER ROUND OUTDOOR AIR DUCT FROM LOUVER PLENUM. OFFSET DUCT TO CLEAR CONFLICTS AND ATTACH TO ERV OA INLET.
3. 8-INCH DIAMETER ROUND VENTILATION AIR DUCT FROM ERV VENTILATION AIR OUTLET TO BREAK ROOM PLENUM. PROVIDE 1/4-INCH HARDWARE CLOTH OVER DUCT OUTLET.
4. 8-INCH DIAMETER EXHAUST AIR DUCT RUN FROM ERV TO CONNECT TO LOUVER PLENUM.HANG ERV FROM DECK. PROVIDE VIBRATION ISOLATION.
5. HANG ERV FROM DECK. PROVIDE VIBRATION ISOLATION.
6. UNIT HEATER HUNG FROM DECK, 2-INCH CLEARANCE (MIN) FROM CEILING, 7' CLEARANCE (MIN) ABOVE FLOOR, 9-INCH CLEARANCE (MIN) IN FRONT OF WALL.ACU MOUNTED TO DECK. PROVIDE VIBRATION ISOLATION.
7. ELECTRIC BASEBOARD RADIATION MOUNTED AT FLOOR. 1 KW.
8. ELECTRIC BASEBOARD RADIATION MOUNTED AT FLOOR. 2.5 KW.
9. NOT USED.
10. NOT USED.
11. ACU WALL-MOUNTED, 6-INCH CLEARANCE (MIN) BELOW CEILING AND 66-INCH CLEARANCE (MIN) ABOVE FINISHED FLOOR. PROVIDE A 3/4" CONDENSATE LINE AND TERMINATE 4" ABOVE FLOOR.
12. UNIT HEATER HUNG FROM DECK, 2-INCH CLEARANCE (MIN) FROM CEILING, 7' CLEARANCE (MIN) ABOVE FLOOR, 9-INCH CLEARANCE (MIN) IN FRONT OF WALL.
13. LOUVER-SEE ARCH SPECIFICATION AND DRAWINGS FOR INFORMATION.
14. LOUVER-SEE ARCH SPECIFICATION AND DRAWINGS FOR INFORMATION.
15. 5 KW DUCT HEATER MOUNTED ON OUTSIDE AIR DUCT BETWEEN LOUVER INTAKE AND THE ERV INLET. LEAVE 1/2-INCH CLEARANCE ABOVE HEATER. PROVIDE MANUFACTURER'S RECOMMENDED CLEARANCE AND DISTANCES FROM INTAKES AND OUTLETS. PROVIDE TRANSITION FROM ROUND DUCT TO RECTANGULAR DUCT HEATER COLLAR.
16. PROVIDE AND INSTALL A 3/4-INCH CONDENSATE LINE FROM ERV OUTDOOR AIR INLET TO MOP SINK. REFER TO DETAIL _/_ FOR CONNECTION.
17. NOT USED.
18. LOUVER PLENUM TO 8X14 EXHAUST DUCT CONNECTED TO EXHAUST FAN OUTLET.
19. 8X8 EXHAUST AIR DUCT FROM FROM EXHAUST GRILLE, TRANSITIONS TO A 12X12 DUCT TO CONNECT TO EXHAUST FAN INLET.
20. LOUVER-SEE ARCH SPECIFICATION AND DRAWINGS FOR INFORMATION.
21. 18X12 RETURN AIR DUCT UP TO ACU IN 2ND FLOOR PLENUM.
22. 24x12 RETURN AIR GRILLE.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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90% SUBMISSION - 01/22/16

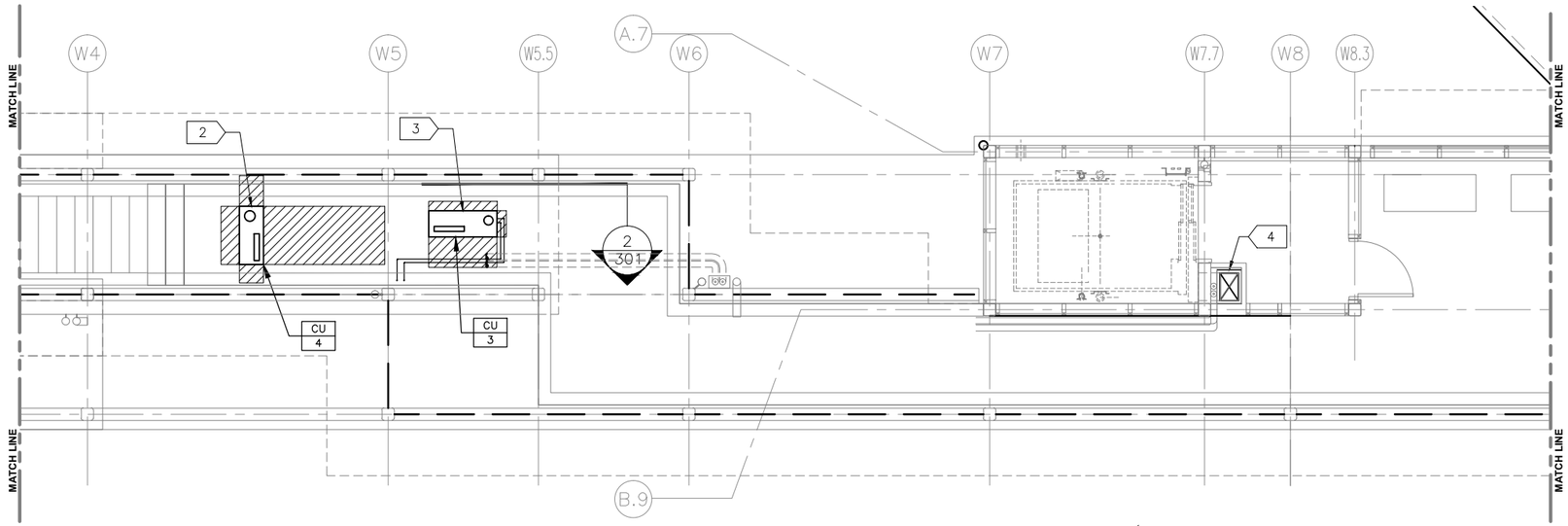
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC WEST PLATFORM LEVEL HVAC PLAN

SHEET 456 OF 510

DISCIPLINE: MECHANICAL
SHEET NAME: E3-WST-MEC-PLN-130

Jan, 16 2016 03:02 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\MECHANICAL\WEST LAKE STATION\WEST LAKE VERTICAL CIRCULATION\E3-WST-MEC-PLN-130.dwg By: craig



1 INTERMEDIATE HVAC PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

HVAC GENERAL SHEET NOTES

A. SECURELY SUSPEND HVAC EQUIPMENT FROM STRUCTURE AND PROVIDE VIBRATION ISOLATION. REFER TO STRUCTURAL DRAWINGS FOR LIMITATIONS.
B. PROVIDE MANUAL BALANCING DAMPERS FOR ALL SUPPLY AIR OUTLETS AND WHERE INDICATED ON BRANCH DUCTWORK.
C. PROVIDE DUCT ACCESS PANELS AT LOCATIONS OF ALL MOTORIZED DAMPERS AND FIRE DAMPERS.
D. PROVIDE FLEXIBLE DUCT CONNECTIONS AT ALL DUCTWORK TO MECHANICAL EQUIPMENT CONNECTIONS.
E. MAINTAIN REQUIRED CLEARANCES DIRECTLY OVER AND IN FRONT OF ALL ELECTRICAL EQUIPMENT.
F. MAINTAIN REQUIRED CLEARANCES AT ALL MECHANICAL EQUIPMENT.
G. RUN DUCTWORK AS HIGH AS POSSIBLE.
H. INLET VENTILATION AIR DUCTWORK SHALL BE INSULATED FULL LENGTH.
I. PROVIDE CEILING ACCESS PANELS AT MANUAL VOLUME DAMPERS AND FAN ACCESS.
J. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION FOR GRILLES, REGISTERS, AND DIFFUSERS.

HVAC KEY NOTES:

1. NOT USED.
2. CONDENSING UNIT MOUNTED ON 4-INCH EQUIPMENT PAD.
3. CONDENSING UNIT MOUNTED ON 4-INCH EQUIPMENT PAD.
4. 12X18 RETURN DUCT UP TO ACU IN 2ND FLOOR PLENUM AND DOWN TO RETURN GRILLE IN HOISTWAY.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM
LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

90% SUBMISSION - 01/22/16

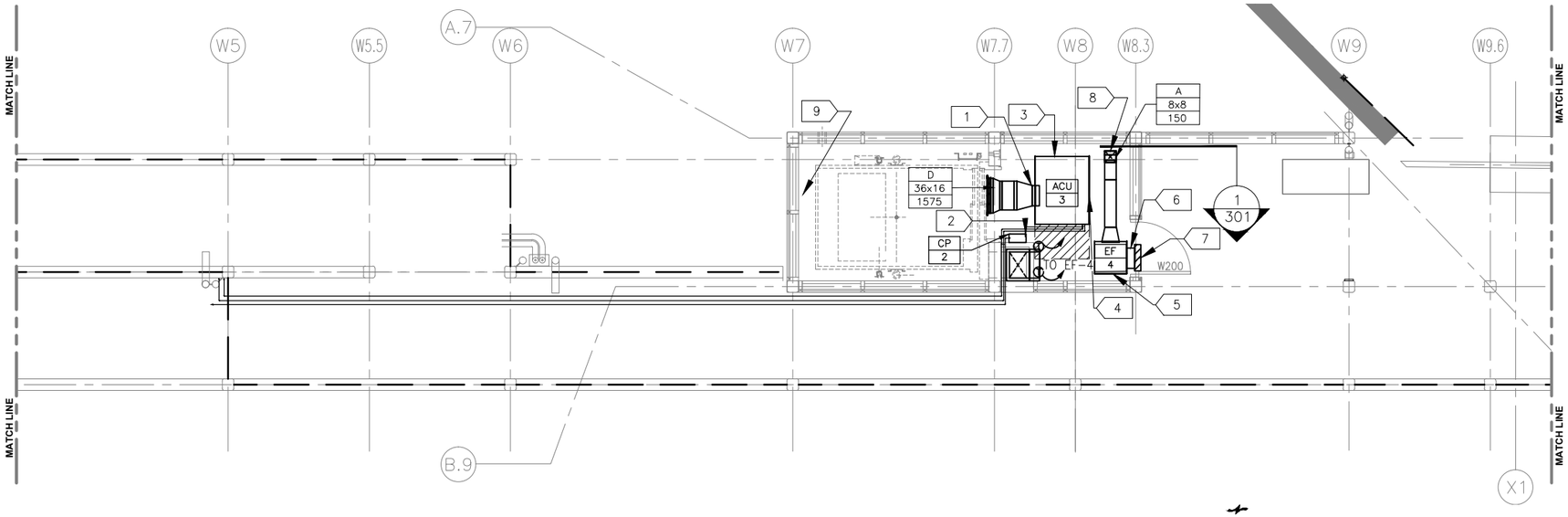
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC WEST INTERMEDIATE LEVEL
HVAC PLAN

DISCIPLINE: MECHANICAL
SHEET NAME: E3-WST-MEC-PLN-131

SHEET 457 OF 510

Jan, 16 2016 03:02 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\MECHANICAL\WEST LAKE STATION\WEST LAKE VERTICAL CIRCULATION\E3-WST-MEC-PLN-131.dwg By: craig



1 WEST BRIDGE HVAC PLAN

SCALE: 1/8"=1'-0"

0 2 4 8

SCALE

HVAC GENERAL SHEET NOTES

A. SECURELY SUSPEND HVAC EQUIPMENT FROM STRUCTURE AND PROVIDE VIBRATION ISOLATION. REFER TO STRUCTURAL DRAWINGS FOR LIMITATIONS.
B. PROVIDE MANUAL BALANCING DAMPERS FOR ALL SUPPLY AIR OUTLETS AND WHERE INDICATED ON BRANCH DUCTWORK.
C. PROVIDE DUCT ACCESS PANELS AT LOCATIONS OF ALL MOTORIZED DAMPERS AND FIRE DAMPERS.
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J. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION FOR GRILLES, REGISTERS, AND DIFFUSERS.

HVAC KEY NOTES:

1. ACU SUPPLY OUTLET TO TRANSITION TO 24X24 TO REGISTER.
2. CONDENSATE PUMP MOUNTED ON WALL.
3. ACU MOUNTED TO DECK. PROVIDE VIBRATION ISOLATION.
4. RETURN AIR INLET DRAWING FROM PLENUM.
5. EXHAUST FAN HUNG FROM DECK. PROVIDE VIBRATION ISOLATION.
6. 14X8 EXHAUST AIR DUCT TO LOUVER PLENUM.
7. LOUVER–SEE ARCH SPECIFICATION AND DRAWINGS FOR INFORMATION.
8. 8X8 EXHAUST AIR DUCT FROM FROM EXHAUST GRILLE, TRANSITIONS TO A 12X12 DUCT TO CONNECT TO EXHAUST FAN INLENT.
9. 24X20 LOUVER WITH MOTORIZED DAMPER FOR FIRE SERVICE SMOKE EVACUATION. OPENING IS LOCATED NEAR THE TOP OF HOISTWAY AND CONNECTS TO A LOUVER AND MOTORIZED DAMPER.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

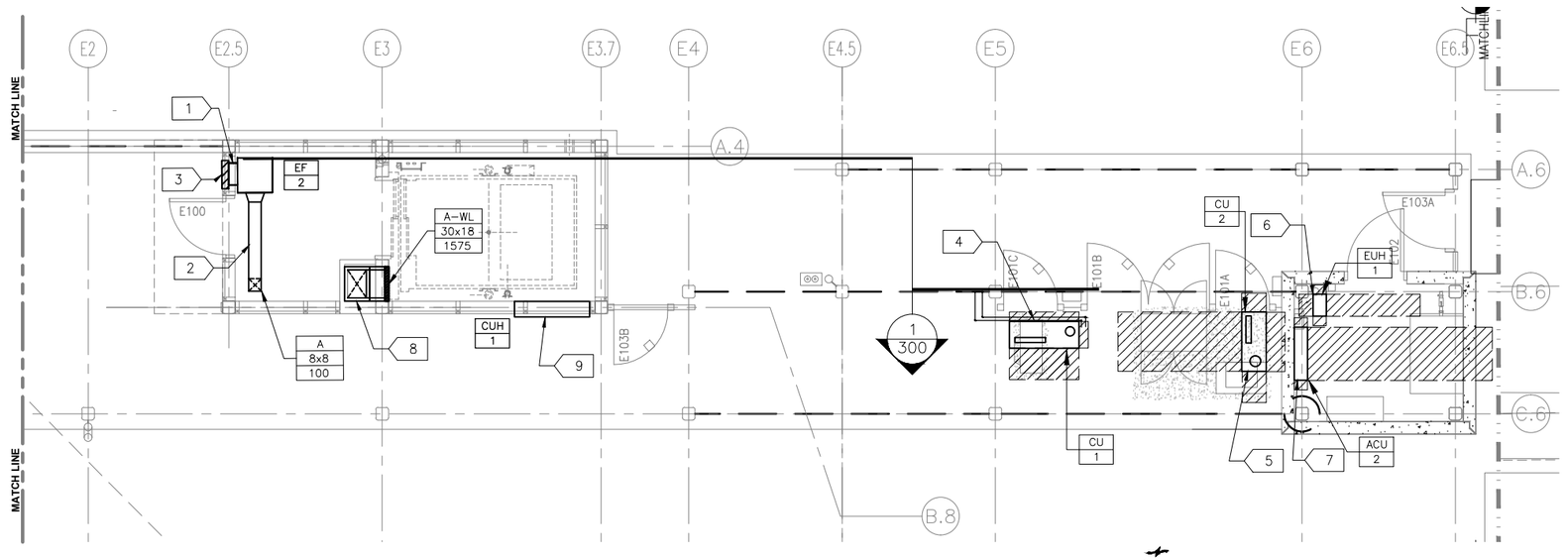
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC WEST BRIDGE LEVEL HVAC PLAN

DISCIPLINE: MECHANICAL

SHEET NAME: E3-WST-MEC-PLN-132

SHEET 458 OF 510



1 EAST HVAC PLATFORM PLAN
SCALE: 1/8"=1'-0"

SCALE 0 2 4 8

HVAC GENERAL SHEET NOTES

A. SECURELY SUSPEND HVAC EQUIPMENT FROM STRUCTURE AND PROVIDE VIBRATION ISOLATION. REFER TO STRUCTURAL DRAWINGS FOR LIMITATIONS.
B. PROVIDE MANUAL BALANCING DAMPERS FOR ALL SUPPLY AIR OUTLETS AND WHERE INDICATED ON BRANCH DUCTWORK.
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G. RUN DUCTWORK AS HIGH AS POSSIBLE.
H. INLET VENTILATION AIR DUCTWORK SHALL BE INSULATED FULL LENGTH.
I. PROVIDE CEILING ACCESS PANELS AT MANUAL VOLUME DAMPERS AND FAN ACCESS.
J. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION FOR GRILLES, REGISTERS, AND DIFFUSERS.

HVAC KEY NOTES:

1. LOUVER PLENUM TO 8X14 EXHAUST DUCT CONNECTED TO EXHAUST FAN OUTLET.
2. 8X8 EXHAUST AIR DUCT FROM FROM EXHAUST GRILLE, TRANSITIONS TO A 12X12 DUCT TO CONNECT TO EXHAUST FAN INLET.
3. LOUVER–SEE ARCH SPECIFICATION AND DRAWINGS FOR INFORMATION
4. CONDENSING UNIT MOUNTED ON 4–INCH EQUIPMENT PAD.
5. CONDENSING UNIT MOUNTED FROM STAIR AND WALL. 6'–6" CLEARANCE (MIN) ABOVE TRANSFORMER.
6. UNIT HEATER HUNG FROM DECK, 2–INCH CLEARANCE (MIN) FROM CEILING, 7' CLEARANCE (MIN) ABOVE FLOOR, 9–INCH CLEARANCE (MIN) IN FRONT OF WALL.
7. ACU WALL–MOUNTED, 2–INCH CLEARANCE (MIN) BELOW CEILING AND 66–INCH CLEARANCE (MIN) ABOVE FINISHED FLOOR.
8. 18X12 RETURN AIR DUCT UP TO ACU IN 2ND FLOOR PLENUM.
9. RECESSED CABINET UNIT HEATER WITH INTERNAL THERMOSTAT INSTALLED IN ELEVATOR PIT.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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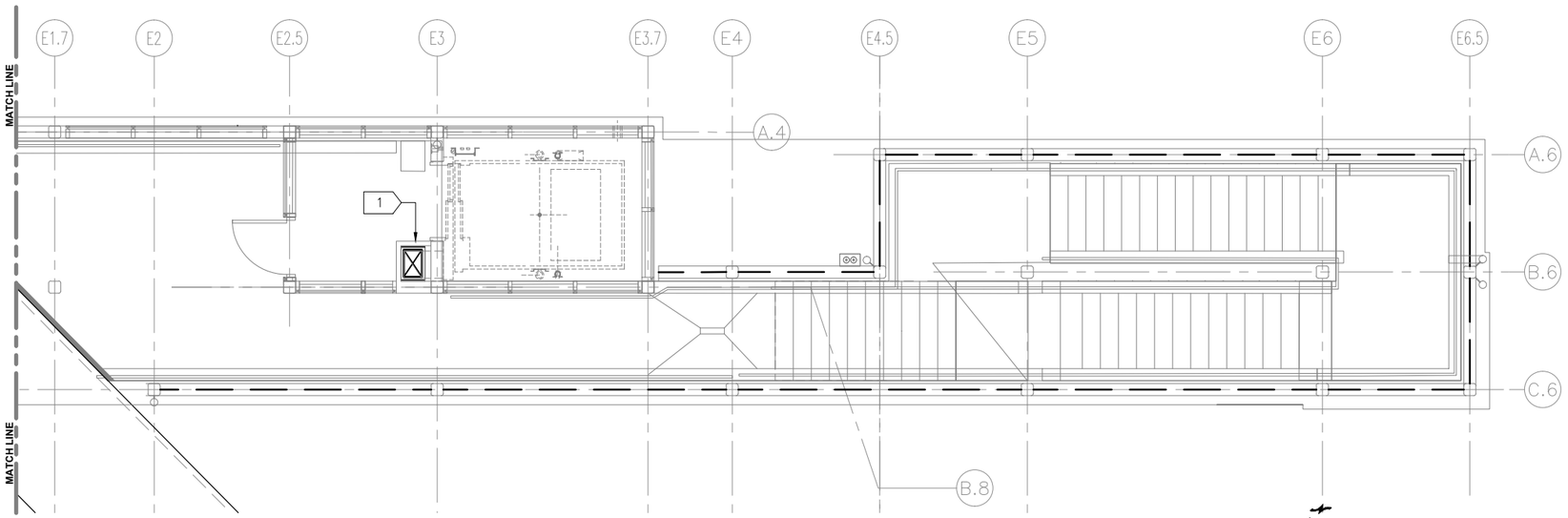
90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC EAST PLATFORM LEVEL
HVAC PLAN

DISCIPLINE: MECHANICAL
SHEET NAME: E3-WST-MEC-PLN-133

SHEET 459 OF 510



1 EAST INTERMEDIATE HVAC PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

HVAC GENERAL SHEET NOTES

A. SECURELY SUSPEND HVAC EQUIPMENT FROM STRUCTURE AND PROVIDE VIBRATION ISOLATION. REFER TO STRUCTURAL DRAWINGS FOR LIMITATIONS.
B. PROVIDE MANUAL BALANCING DAMPERS FOR ALL SUPPLY AIR OUTLETS AND WHERE INDICATED ON BRANCH DUCTWORK.
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F. MAINTAIN REQUIRED CLEARANCES AT ALL MECHANICAL EQUIPMENT.
G. RUN DUCTWORK AS HIGH AS POSSIBLE.
H. INLET VENTILATION AIR DUCTWORK SHALL BE INSULATED FULL LENGTH.
I. PROVIDE CEILING ACCESS PANELS AT MANUAL VOLUME DAMPERS AND FAN ACCESS.
J. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION FOR GRILLES, REGISTERS, AND DIFFUSERS.

HVAC KEY NOTES:

1 12x18 RETURN DUCT UP TO ACU IN 2ND FLOOR PLENUM AND DOWN TO RETURN GRILLE IN HOISTWAY.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

90% SUBMISSION - 01/22/16

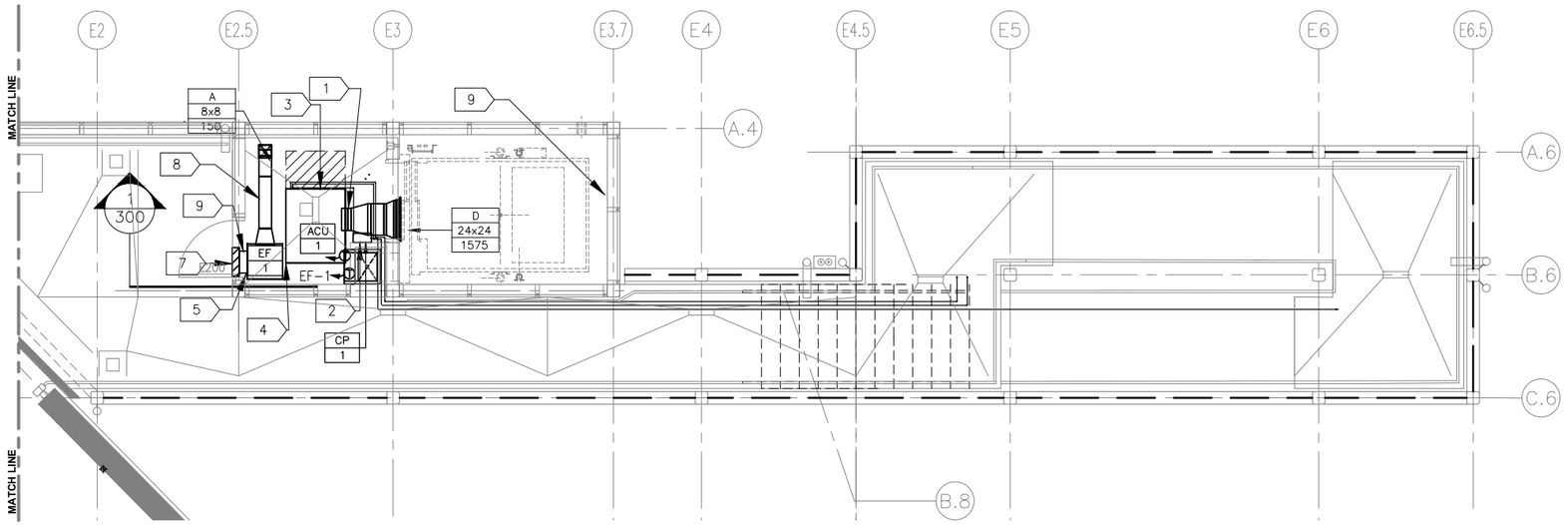
METROPOLITAN COUNCIL SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC EAST INTERMEDIATE LEVEL
HVAC PLAN

DISCIPLINE: MECHANICAL
SHEET NAME: E3-WST-MEC-PLN-134

SHEET 460 OF 510

Jan, 16 2016 03:02 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\MECHANICAL\WEST LAKE STATION\WEST LAKE VERTICAL CIRCULATION\E3-WST-MEC-PLN-134.dwg By: craig



1 EAST BRIDGE HVAC PLAN
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

HVAC GENERAL SHEET NOTES

A. SECURELY SUSPEND HVAC EQUIPMENT FROM STRUCTURE AND PROVIDE VIBRATION ISOLATION. REFER TO STRUCTURAL DRAWINGS FOR LIMITATIONS.
B. PROVIDE MANUAL BALANCING DAMPERS FOR ALL SUPPLY AIR OUTLETS AND WHERE INDICATED ON BRANCH DUCTWORK.
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HVAC KEY NOTES:

1. ACU SUPPLY OUTLET TO TRANSITION TO 24X24 TO REGISTER.
2. CONDENSATE PUMP MOUNTED ON WALL.
3. ACU MOUNTED TO DECK. PROVIDE VIBRATION ISOLATION.
4. RETURN AIR INLET DRAWING FROM PLENUM.
5. EXHAUST FAN HUNG FROM DECK. PROVIDE VIBRATION ISOLATION.
6. 14X8 EXHAUST AIR DUCT TO LOUVER PLENUM.
7. LOUVER–SEE ARCH SPECIFICATION AND DRAWINGS FOR INFORMATION.
8. 8X8 EXHAUST AIR DUCT FROM FROM EXHAUST GRILLE, TRANSITIONS TO A 12X12 DUCT TO CONNECT TO EXHAUST FAN INLET.
9. LOUVER AND MOTORIZED DAMPER FOR FIRE SERVICE SMOKE EVACUATION. LOUVER IS LOCATED NEAR THE TOP OF THE HOISTWAY.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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ENGINEERING • LLC
CERTIFIED WOMEN'S BUSINESS ENTERPRISE

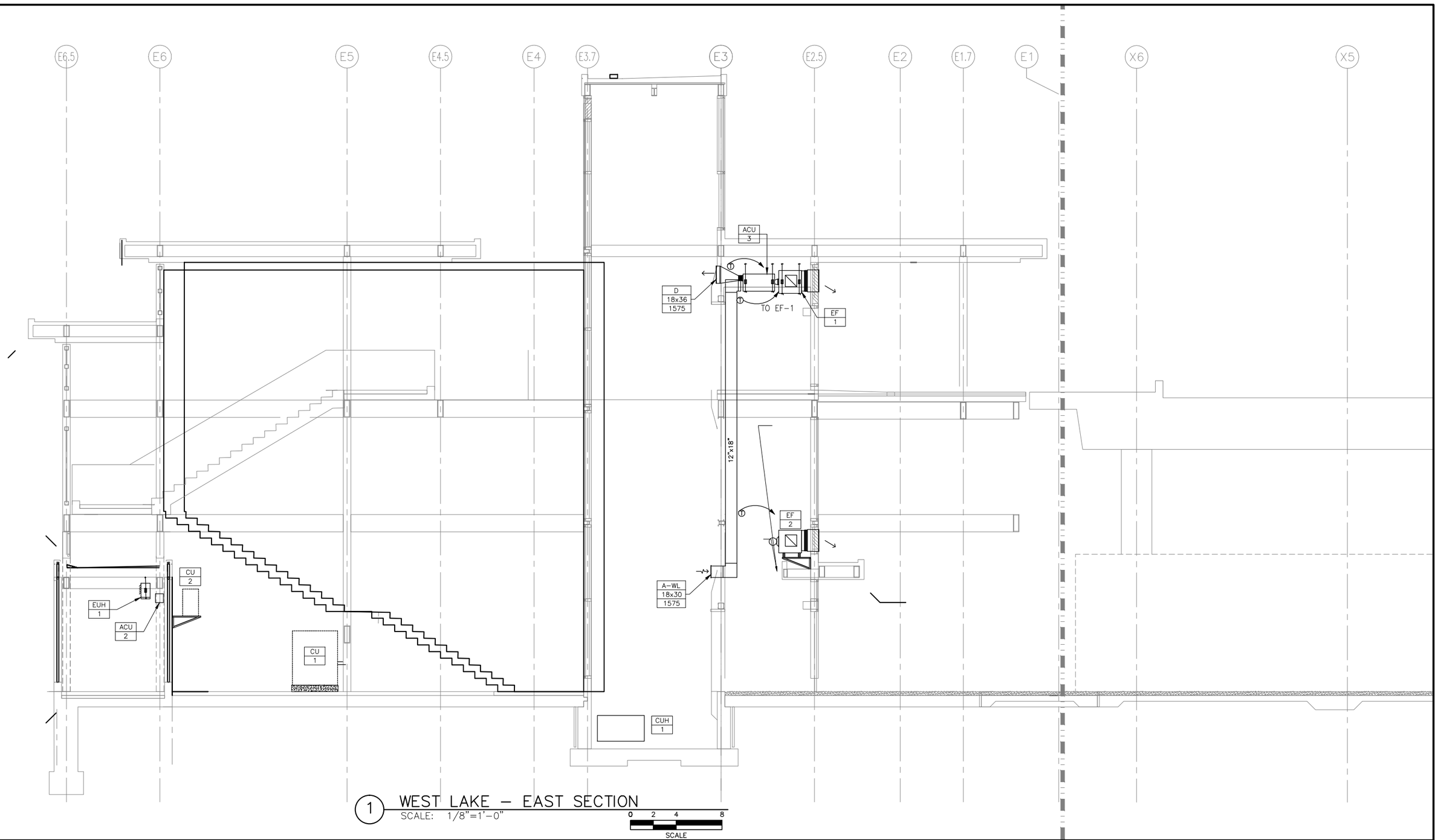
90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL
SOUTHWEST
Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC EAST BRIDGE LEVEL HVAC PLAN

DISCIPLINE: MECHANICAL
SHEET NAME: E3-WST-MEC-PLN-135

SHEET 461 OF 510



1 WEST LAKE – EAST SECTION
SCALE: 1/8"=1'-0"

0 2 4 8
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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ENGINEERING • LLC
CERTIFIED WOMEN'S BUSINESS ENTERPRISE

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST
Green Line LRT Extension

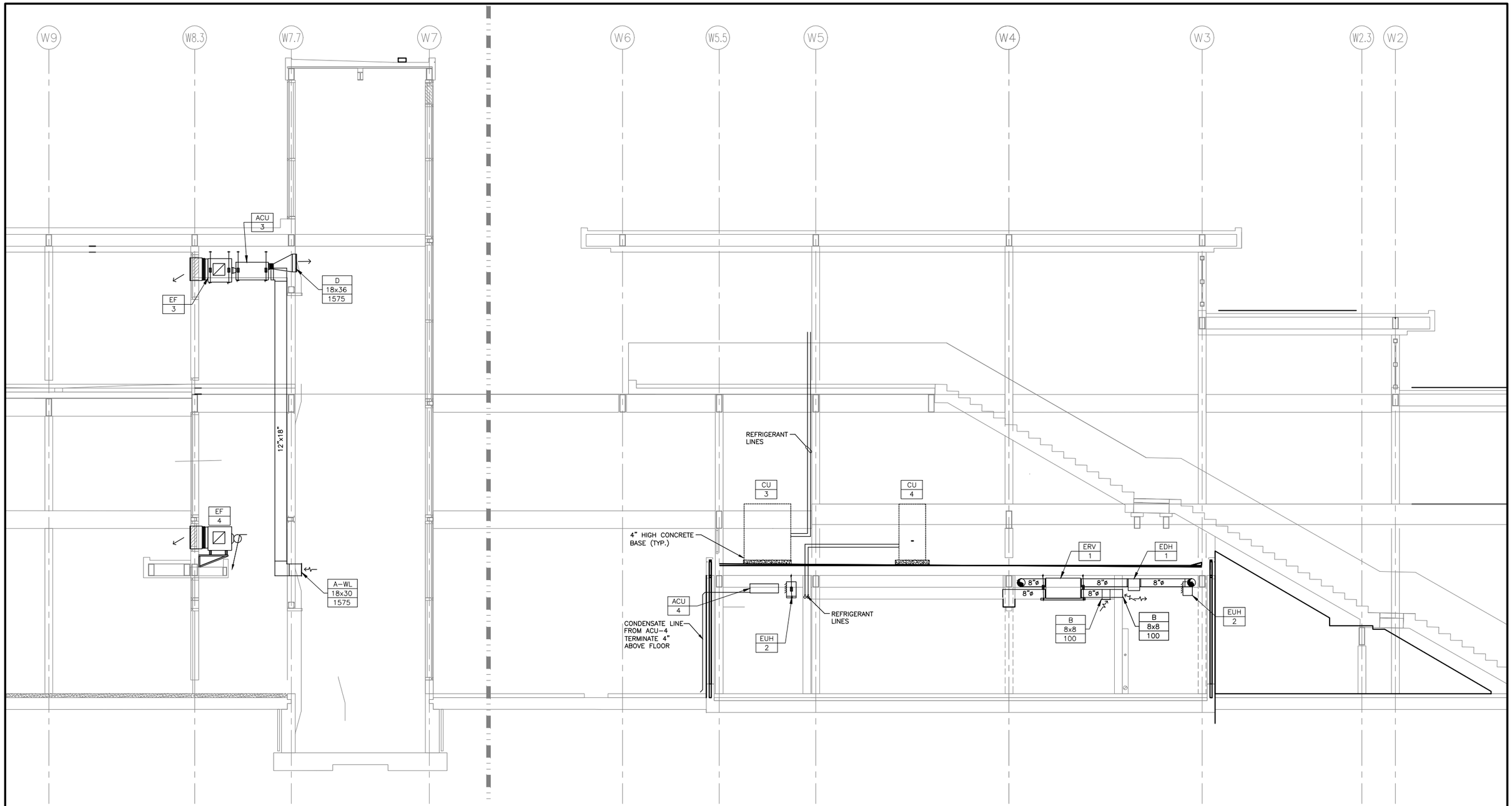
CIVIL - VOLUME 11C
WEST LAKE STATION
VC EAST MECHANICAL SECTION

DISCIPLINE: MECHANICAL

SHEET NAME: E3-WST-MEC-SCT-300

SHEET 462 OF 510

Jan, 16 2016 03:03 pm Z:\Projects\AECOM SWLRT west\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\MECHANICAL\WEST LAKE STATION\E3-WST-MEC-SCT-301.dwg By: craig



1 WEST LAKE – HOISTWAY – WEST
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE

2 WEST LAKE – HOISTWAY – WEST
SCALE: 1/8"=1'-0"
0 2 4 8
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM
LV ENGINEERING • LLC CERTIFIED WOMEN'S BUSINESS ENTERPRISE

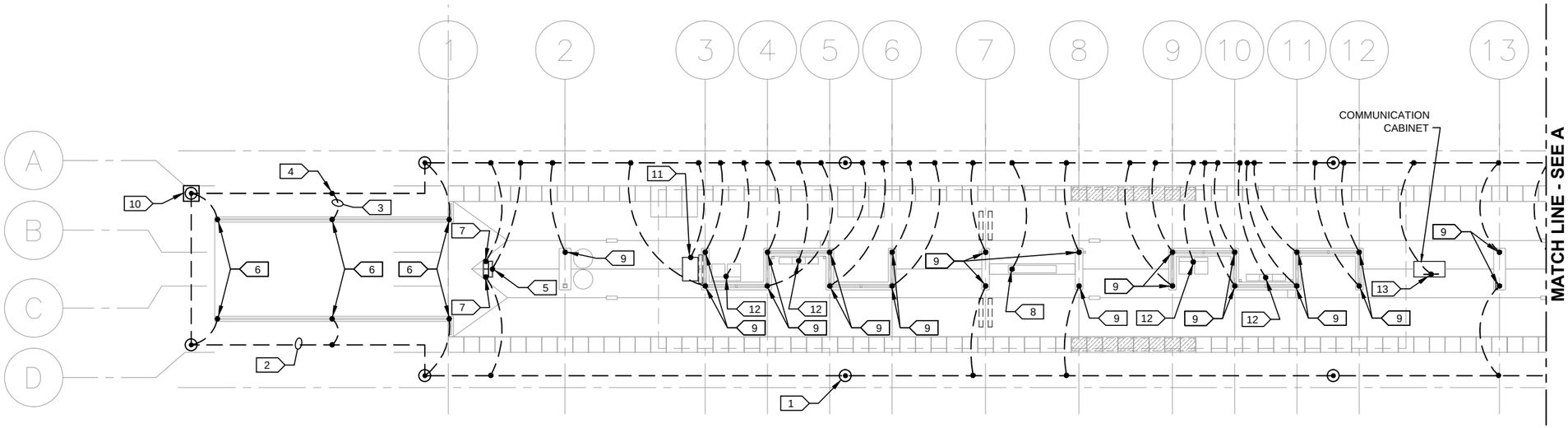
90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
VC WEST MECHANICAL SECTION

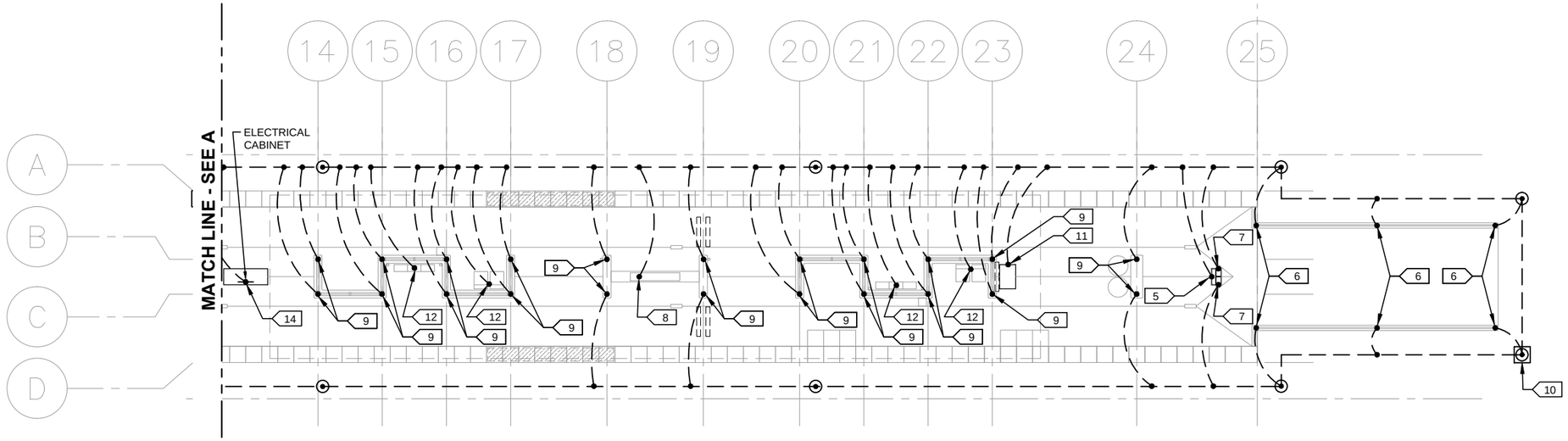
DISCIPLINE: MECHANICAL
SHEET NAME: E3-WST-MEC-SCT-301

SHEET 463 OF 510



1 PARTIAL PLATFORM PLAN

SCALE: 1/16"=1'-0"



2 PARTIAL PLATFORM PLAN

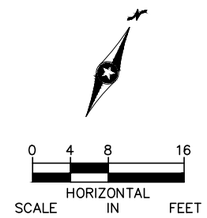
SCALE: 1/16"=1'-0"

KEYNOTES:

1. GROUND ROD, TYPICAL.
2. GROUND LOOP, TYPICAL.
3. GEC, TYPICAL.
4. EXOTHERMIC WELD, TYPICAL.
5. GEC CONNECTION TO RIDER ALERT PANEL.
6. GEC CONNECTION TO RAILING POST.
7. GEC CONNECTION TO RSV.
8. GEC CONNECTION TO KIOSK.
9. GEC CONNECTION TO COLUMN.
10. GROUND TEST WELL.
11. GEC CONNECTION TO TVM.
12. GEC CONNECTION TO SEAT OR LEAN RAIL.
13. GEC CONNECTION TO COMMUNICATIONS CABINET GROUND BUS.
14. #3/0 GEC CONNECTION TO ELECTRICAL ENCLOSURE GROUND BUS.

GENERAL NOTES:

1. ALL METALLIC OBJECTS SHALL BE GROUNDED AND THE GROUNDING PLAN IS INTENDED TO DEMONSTRATE THE GROUNDING OF THE PLATFORM, GUIDEWAY AND EQUIPMENT WITHIN THE VICINITY. OBJECTS NOT SHOWN GROUNDED DOES RELIEVE THE CONTRACTOR FROM THE DESIGN INTENT.
2. GROUND LOOP SHALL BE #3/0 BARE COPPER. LOOP SHALL BE INSTALLED 48" BELOW GRADE OR 6" BELOW THE FROST LINE, WHICHEVER IS GREATER. GROUND LOOP IS SHOWN DIAGRAMMATICALLY. INSTALL GROUND LOOP UNDER PLATFORM PERIMETER TO PROTECT FROM WORK PERFORMED OUTSIDE THE PLATFORM LIMITS BY OTHER TRADES. GROUND TEST WELLS SHALL REMAIN ACCESSIBLE AS SHOWN.
3. GROUNDING ELECTRODE CONDUCTORS (GEC) SHALL BE #2/0 BARE COPPER UNLESS NOTED OTHERWISE.
4. ALL EXOTHERMIC WELDS TO COLUMNS, TVM'S, RSV'S, SEATS, LEAN RAILS AND EQUIPMENT CABINETS SHALL BE ABOVE GRADE AND VISIBLE. PAINT WELDS TO MATCH SURFACE COLOR. VERIFY COLOR WITH CAR.
5. INSTALL GROUND ROD SO THAT 8-FT IS BELOW THE FROST LINE.
6. IF RAILING HAS AN ISOLATION GAP, JUMPER BETWEEN GAPS WITH GEC.



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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

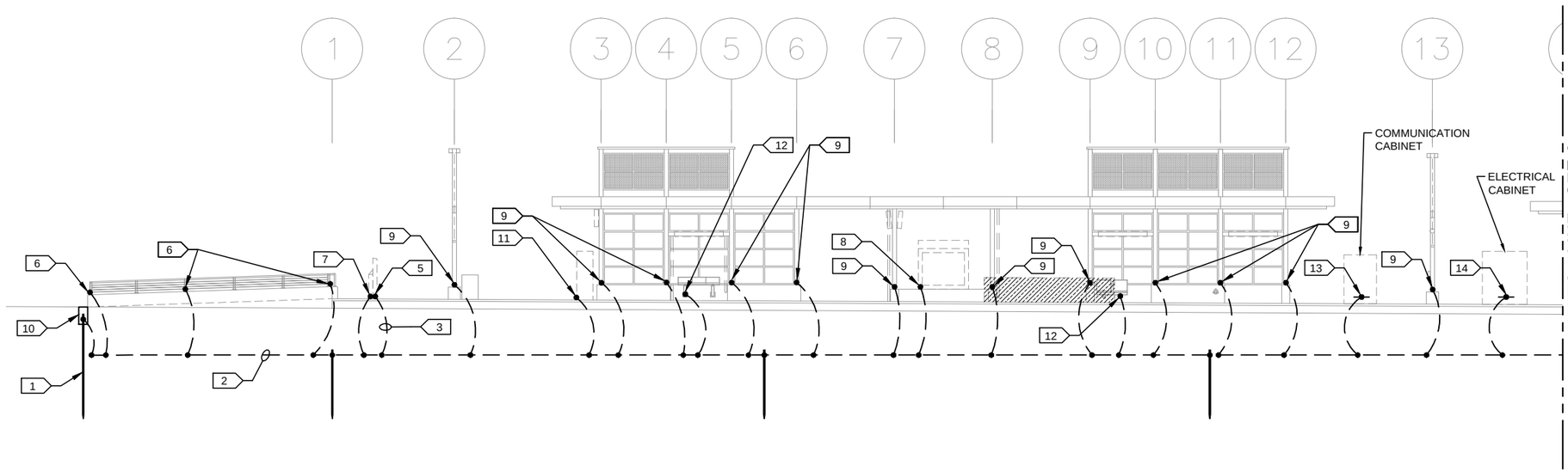
CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL
GROUNDING PLAN

DISCIPLINE: ELECTRICAL

SHEET NAME: E3-WST-ELE-PLN-201

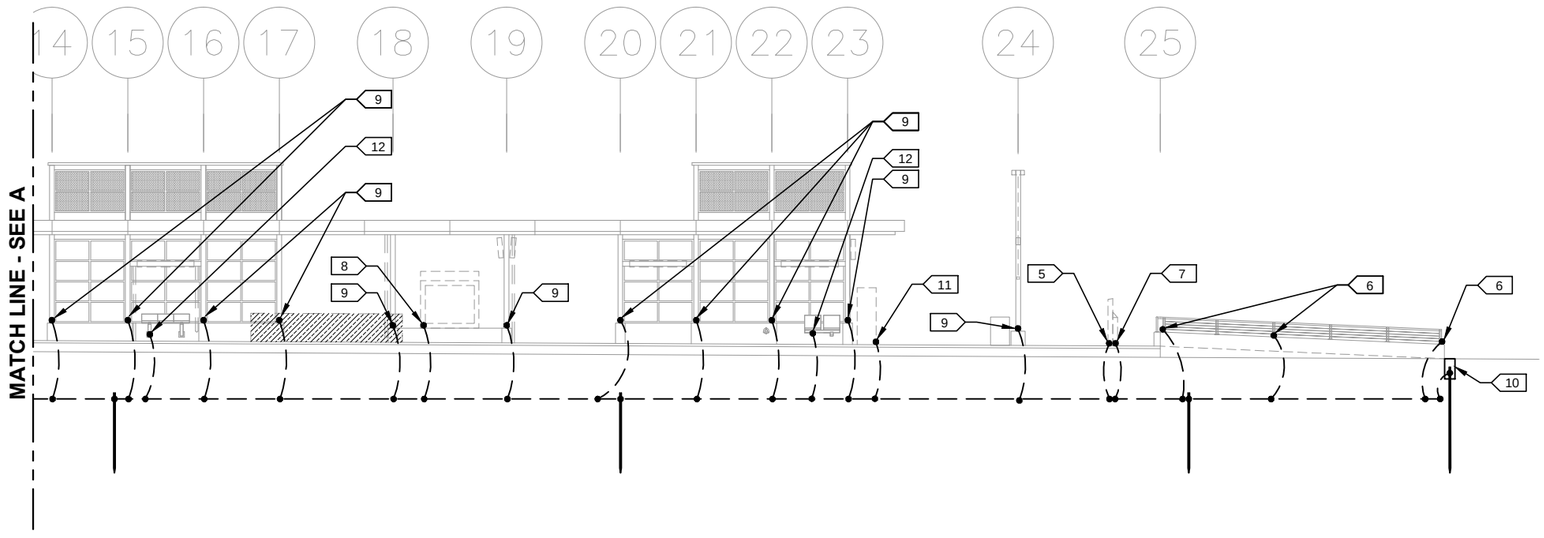
SHEET 464 OF 510

Jan, 18 2016 11:27 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-201.dwg By: FergTK



1 PARTIAL PLATFORM ELEVATION

SCALE: 1/16"=1'-0"



2 PARTIAL PLATFORM ELEVATION

SCALE: 1/16"=1'-0"

KEYNOTES:

1. GROUND ROD, TYPICAL.
2. GROUND LOOP, TYPICAL.
3. GEC, TYPICAL.
4. EXOTHERMIC WELD, TYPICAL.
5. GEC CONNECTION TO RIDER ALERT PANEL.
6. GEC CONNECTION TO RAILING POST.
7. GEC CONNECTION TO RSV.
8. GEC CONNECTION TO KIOSK.
9. GEC CONNECTION TO COLUMN.
10. GROUND TEST WELL.
11. GEC CONNECTION TO TVM.
12. GEC CONNECTION TO SEAT OR LEAN RAIL.
13. GEC CONNECTION TO COMMUNICATIONS CABINET GROUND BUS.
14. #3/0 GEC CONNECTION TO ELECTRICAL ENCLOSURE GROUND BUS.

GENERAL NOTES:

1. ALL METALLIC OBJECTS SHALL BE GROUNDED AND THE GROUNDING PLAN IS INTENDED TO DEMONSTRATE THE GROUNDING OF THE PLATFORM, GUIDEWAY AND EQUIPMENT WITHIN THE VICINITY. OBJECTS NOT SHOWN GROUNDED DOES RELIEVE THE CONTRACTOR FROM THE DESIGN INTENT.
2. GROUND LOOP SHALL BE #3/0 BARE COPPER. LOOP SHALL BE INSTALLED 48" BELOW GRADE OR 6" BELOW THE FROST LINE, WHICHEVER IS GREATER. GROUND LOOP IS SHOWN DIAGRAMMATICALLY. INSTALL GROUND LOOP UNDER PLATFORM PERIMETER TO PROTECT FROM WORK PERFORMED OUTSIDE THE PLATFORM LIMITS BY OTHER TRADES. GROUND TEST WELLS SHALL REMAIN ACCESSIBLE AS SHOWN.
3. GROUNDING ELECTRODE CONDUCTORS (GEC) SHALL BE #2/0 BARE COPPER UNLESS NOTED OTHERWISE.
4. ALL EXOTHERMIC WELDS TO COLUMNS, TVM'S, RSV'S, SEATS, LEAN RAILS AND EQUIPMENT CABINETS SHALL BE ABOVE GRADE AND VISIBLE. PAINT WELDS TO MATCH SURFACE COLOR. VERIFY COLOR WITH CAR.
5. INSTALL GROUND ROD SO THAT 8-FT IS BELOW THE FROST LINE.
6. IF RAILING HAS AN ISOLATION GAP, JUMPER BETWEEN GAPS WITH GEC.

0 4 8 16

HORIZONTAL SCALE IN FEET

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SOUTHWEST
Green Line LRT Extension

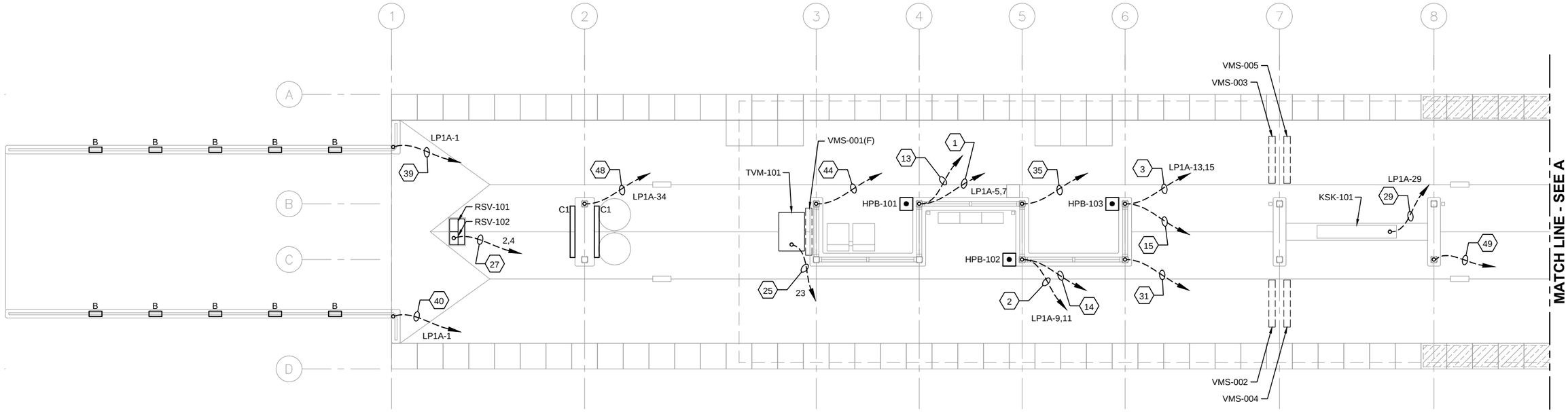
CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL
GROUNDING ELEVATION

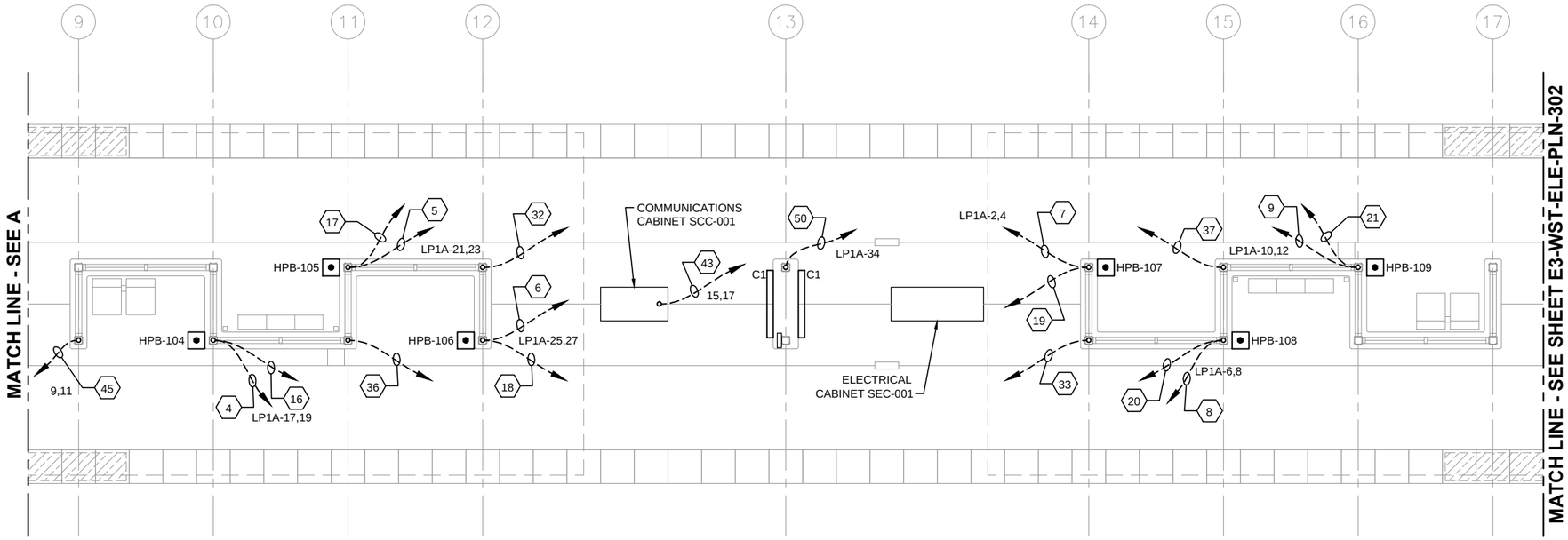
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SHEET NAME: E3-WST-ELE-ELV-202

SHEET 465 OF 510

Jan, 18 2016 11:28 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-ELV-202.dwg By: FergTK





1 PLATFORM PLAN

SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. ALL IN SLAB CONDUITS SHALL BE STUBBED UP A MINIMUM OF 8" AFF INTO COLUMNS, POSTS, BOTTOM OF TVM'S AND BOTTOM OF RSV'S.
2. AT CONDUIT STUB-UPS TRANSITION TO 1/2" LFMC FOR PUSH BUTTON CONTROL WIRING AND 3/4" LFMC FOR THE REMAINING.
3. SEE CONDUIT AND WIRE SCHEDULE FOR FROM/TO ROUTING OF CONDUITS.
4. UNLESS OTHERWISE NOTED, CIRCUITS WILL BE FED FROM PANEL LP1B.

0 2 4 8

HORIZONTAL SCALE IN FEET

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SOUTHWEST
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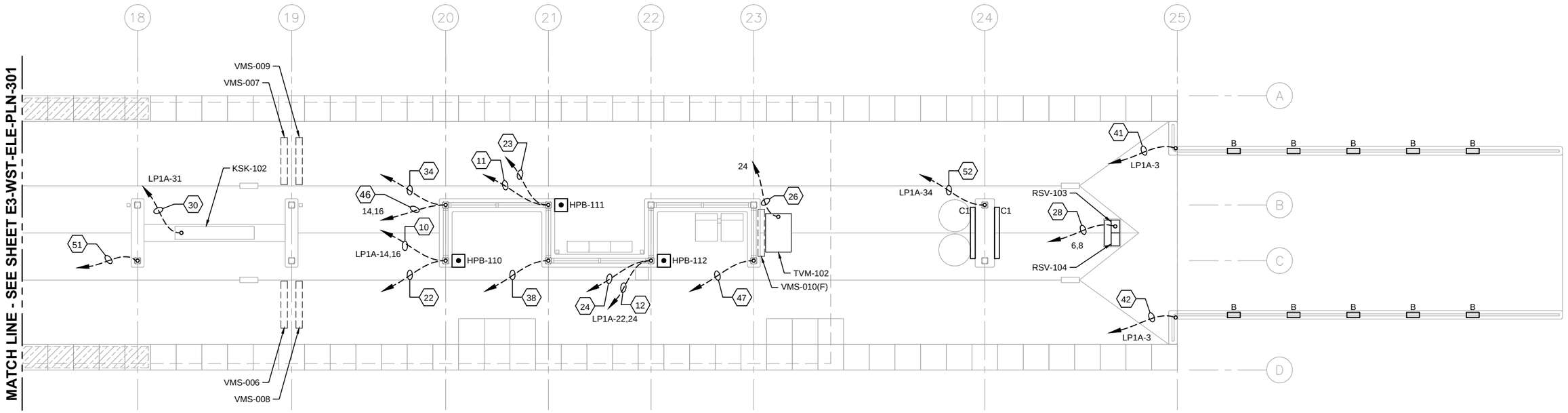
CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL
UNDERSLAB CONDUIT PLAN (1 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E3-WST-ELE-PLN-301

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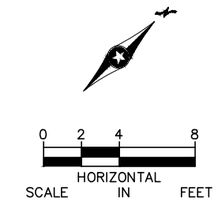


1 PLATFORM PLAN

SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. ALL IN SLAB CONDUITS SHALL BE STUBBED UP A MINIMUM OF 8" AFF INTO COLUMNS, POSTS, BOTTOM OF TVM'S AND BOTTOM OF RSV'S.
2. AT CONDUIT STUB-UPS TRANSITION TO 1/2" LFMC FOR PUSH BUTTON CONTROL WIRING AND 3/4" LFMC FOR THE REMAINING.
3. SEE CONDUIT AND WIRE SCHEDULE FOR FROM/TO ROUTING OF CONDUITS.
4. UNLESS OTHERWISE NOTED, CIRCUITS WILL BE FED FROM PANEL LP1B.



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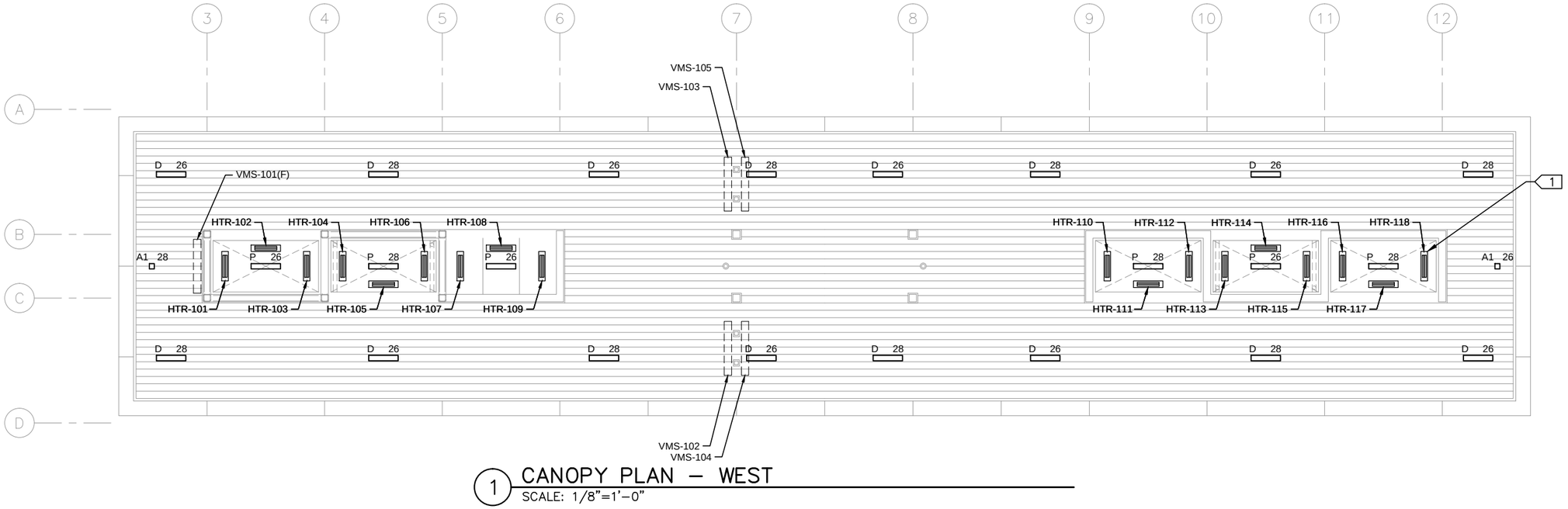
CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL
UNDERSLAB CONDUIT PLAN (2 OF 2)

DISCIPLINE: ELECTRICAL

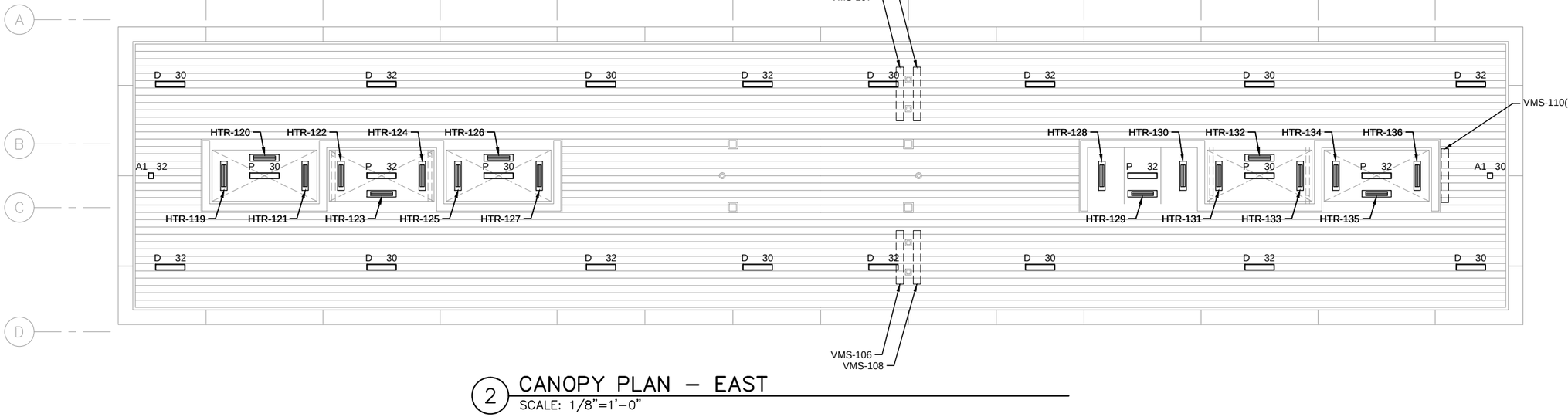
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SHEET 467 OF 510

Jan. 18 2016 11:29 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-302.dwg By: FergTK



1 CANOPY PLAN – WEST
SCALE: 1/8"=1'–0"



2 CANOPY PLAN – EAST
SCALE: 1/8"=1'–0"

GENERAL NOTES:

1. ALL LIGHTING SHOWN ON THIS SHEET SHALL BE RECESSED MOUNTED IN SOFFIT. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING DETAILS.
2. ALL CONDUIT FOR LIGHT AND TO VMS'S SHALL BE RUN CONCEALED WITHIN SOFFIT AREA.

KEYNOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR HEATER MOUNTING DETAILS.

0 2 4 8
HORIZONTAL SCALE IN FEET

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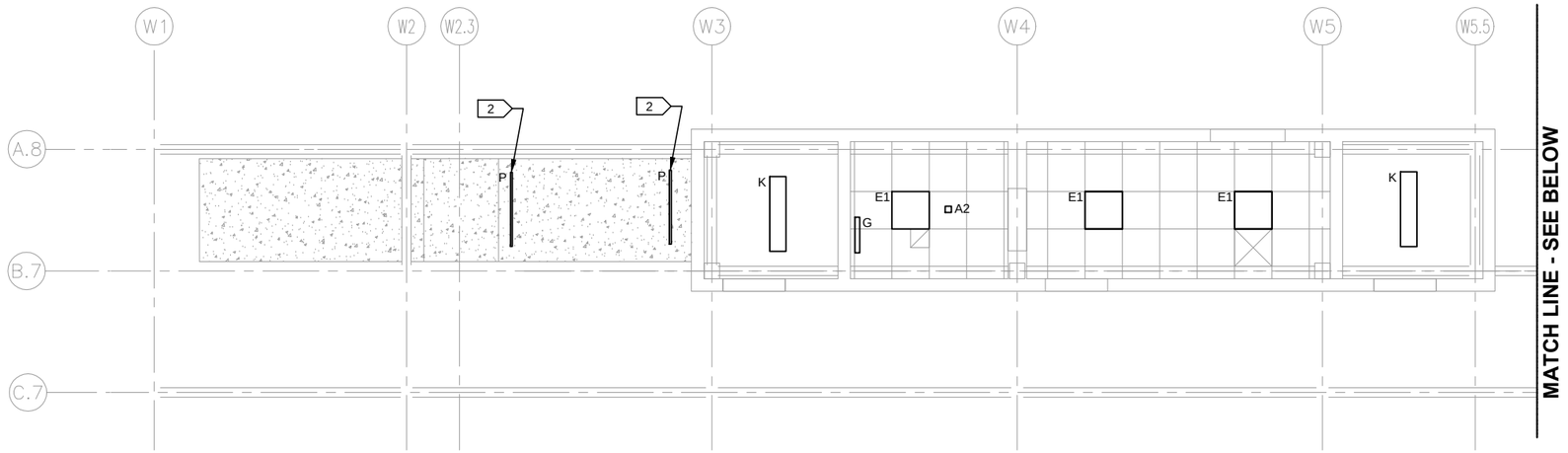
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SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL
CANOPY PLAN

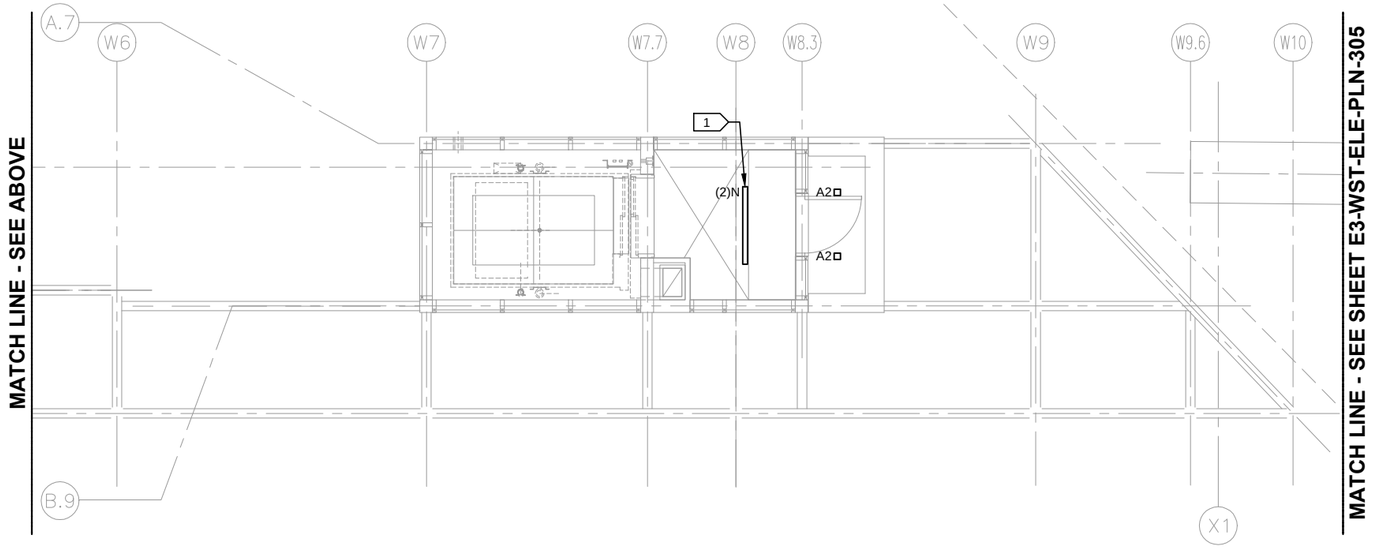
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SHEET NAME: E3-WST-ELE-PLN-303

SHEET 468 OF 510

Jan. 18 2016 11:29 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-303.dwg By: FergTK



1 ELECTRICAL LIGHTING PLATFORM LEVEL (WEST)
SCALE: 1/8"–1'–0"



2 ELECTRICAL LIGHTING PLATFORM LEVEL (WEST)
SCALE: 1/8"–1'–0"

GENERAL NOTES:

1.

KEYNOTES:

1. WALL WASH LUMINAIRES. (1) AIMED DOWN AT 10'-6" AND (1) AIMED DOWN AT 10'-10".
2. SURFACE MOUNT TO UNDERSIDE OF STAIRS.

0 2 4 8
HORIZONTAL SCALE IN FEET

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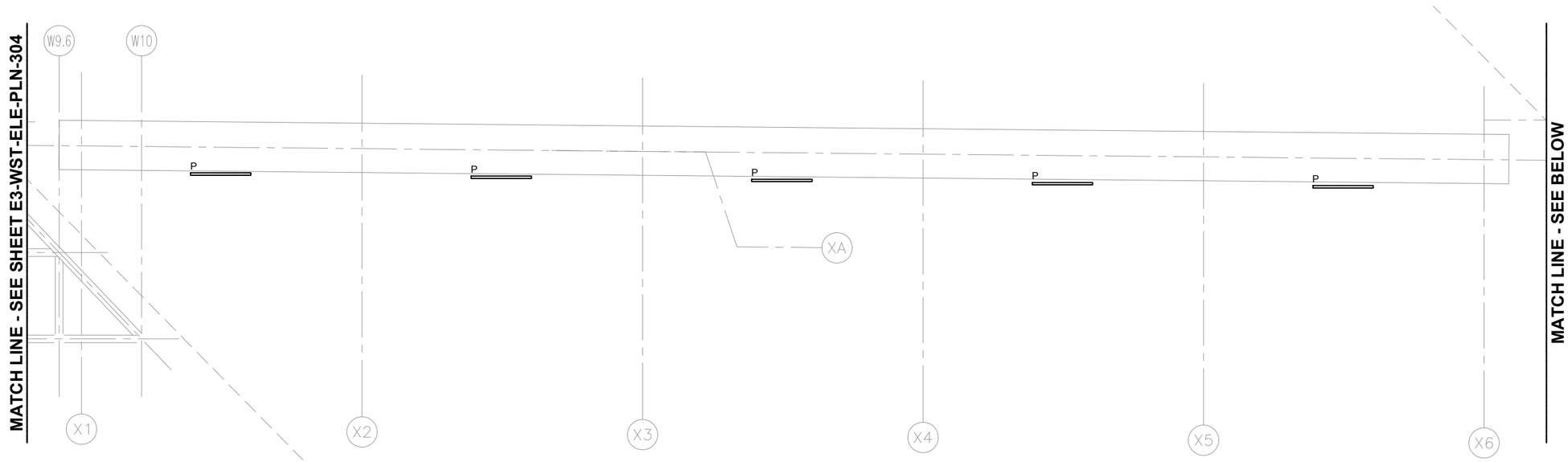
METROPOLITAN COUNCIL
SOUTHWEST
Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL LIGHTING PLAN
VC PLATFORM LEVEL (WEST)

DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-PLN-304

SHEET 469 OF 510

Jan, 18 2016 11:30 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-304.dwg By: FergTK



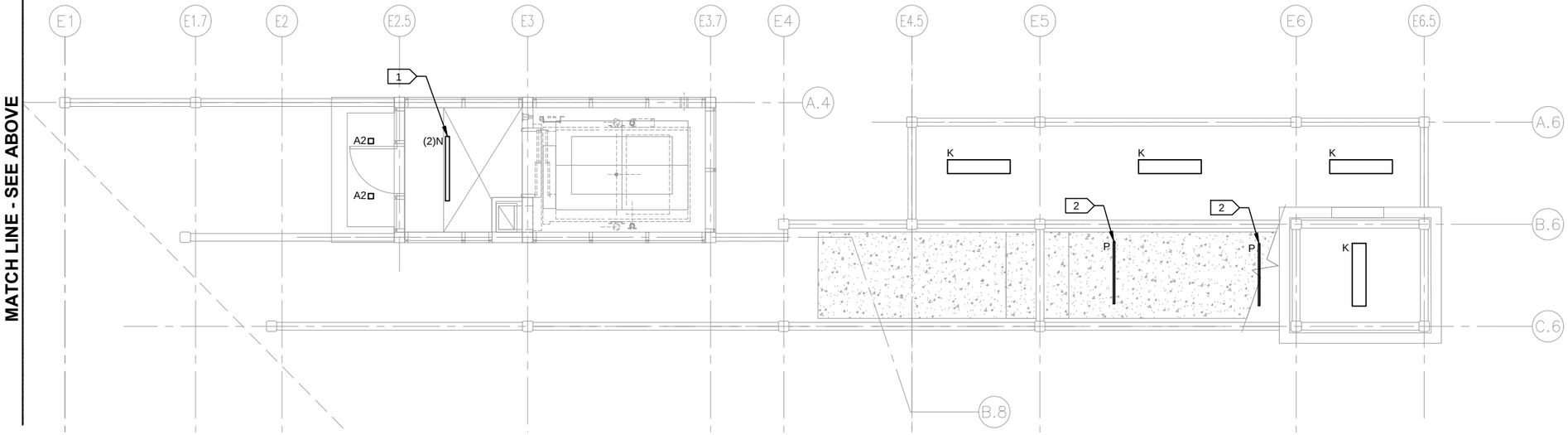
1 ELECTRICAL LIGHTING PLATFORM LEVEL (EAST)
SCALE: 1/8"–1'–0"

GENERAL NOTES:

1.

KEYNOTES:

1. WALL WASH LUMINAIRES. (1) AIMED DOWN AT 10'-6" AND (1) AIMED DOWN AT 10'-10".
2. SURFACE MOUNT TO UNDERSIDE OF STAIRS.



2 ELECTRICAL LIGHTING PLATFORM LEVEL (EAST)
SCALE: 1/8"–1'–0"

0 2 4 8
HORIZONTAL
SCALE IN FEET

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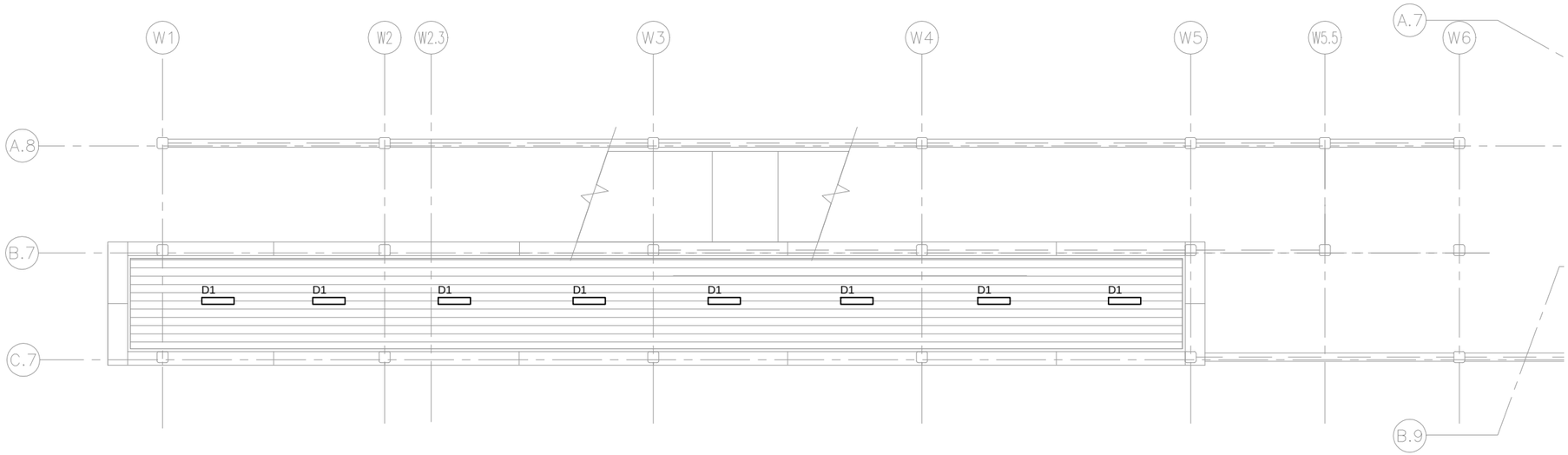
METROPOLITAN COUNCIL
SOUTHWEST
Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL LIGHTING PLAN
VC INTERMEDIATE LEVEL (WEST)

DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-PLN-305

SHEET 470 OF 510

Jan. 18 2016 11:30 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-305.dwg By: FergTK



1 ELECTRICAL LIGHTING INTERMEDIATE LEVEL (WEST)
SCALE: 1/8"–1'–0"

GENERAL NOTES:

1.

KEYNOTES:

1.

0 2 4 8
HORIZONTAL
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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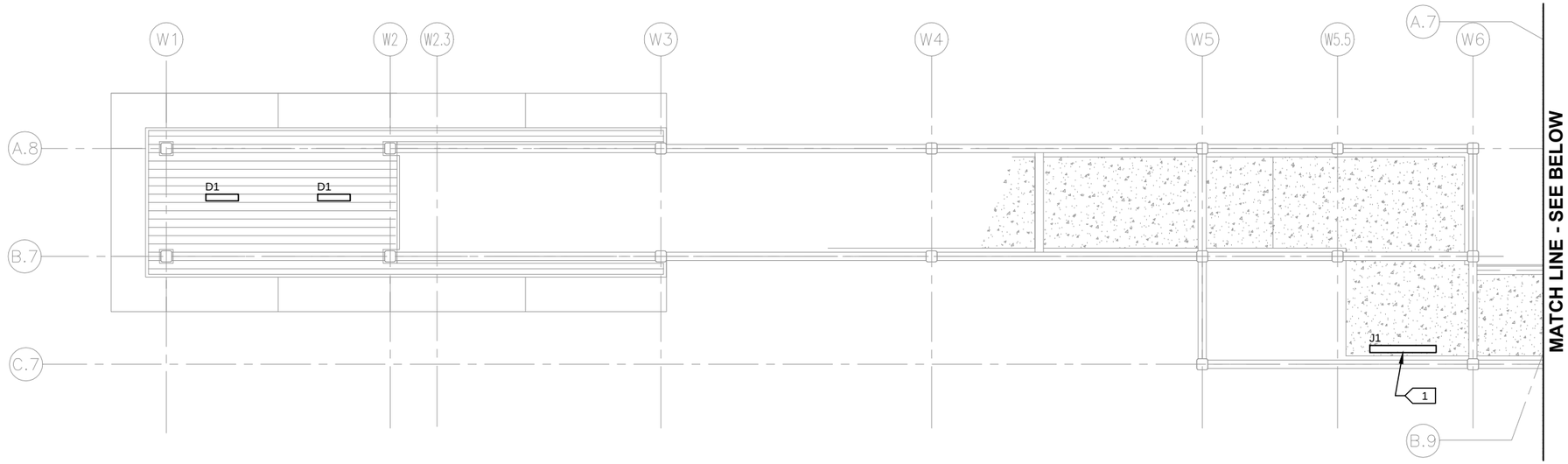
METROPOLITAN COUNCIL
SOUTHWEST
Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL LIGHTING PLAN
VC INTERMEDIATE LEVEL (WEST)

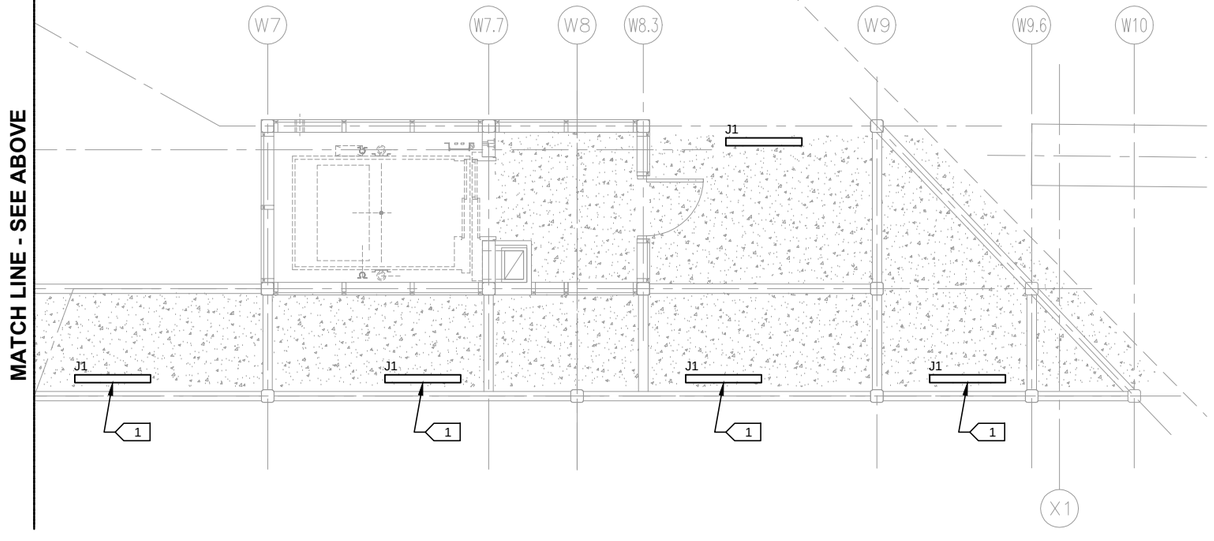
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SHEET NAME: E3-WST-ELE-PLN-306

SHEET 471 OF 510

Jan, 18 2016 11:31 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-306.dwg By: FergTK



1 ELECTRICAL LIGHTING INTERMEDIATE LEVEL (WEST)
SCALE: 1/8"–1'–0"



2 ELECTRICAL LIGHTING INTERMEDIATE LEVEL (WEST)
SCALE: 1/8"–1'–0"

GENERAL NOTES:

1.

KEYNOTES:

1. WALL MOUNT AT 14'-0" TO BOTTOM OF LUMINAIRE. ON STEEL BEAM ALONG WALL.

0 2 4 8
HORIZONTAL
SCALE IN FEET

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SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL LIGHTING PLAN
VC INTERMEDIATE LEVEL (WEST)

DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-PLN-307

SHEET 472 OF 510

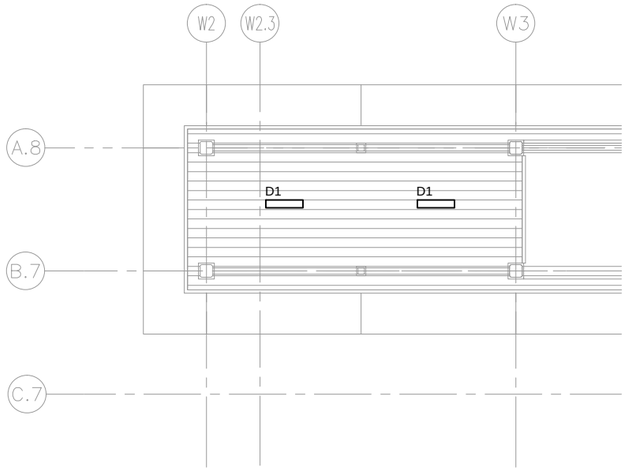
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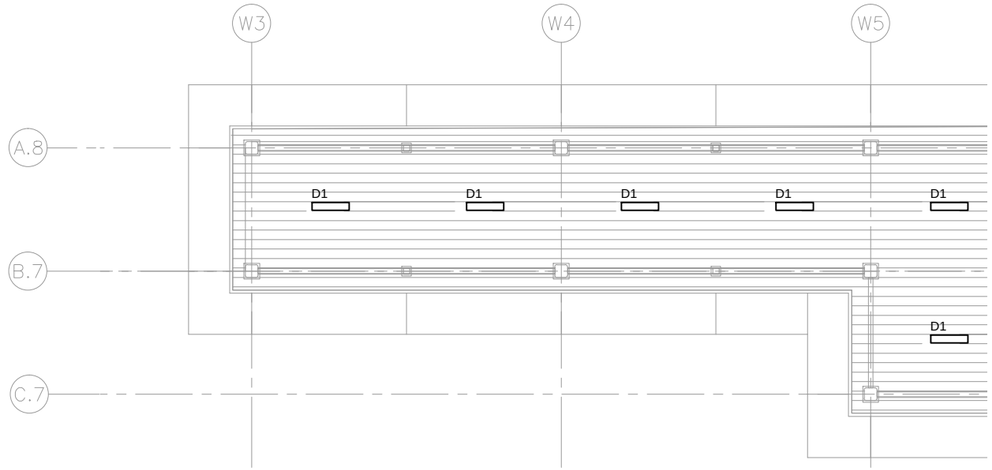
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KEYNOTES:

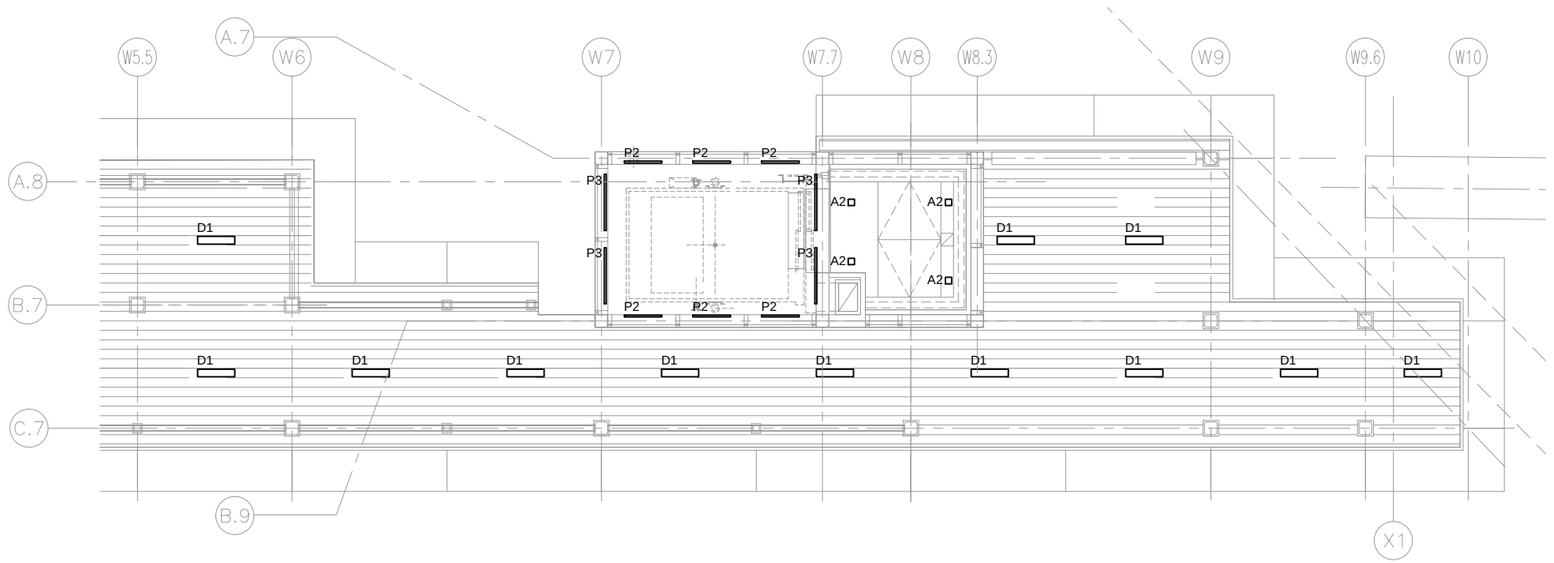
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1 ELECTRICAL LIGHTING INTERMEDIATE LEVEL (WEST)
SCALE: 1/8"–1'–0"



2 ELECTRICAL LIGHTING INTERMEDIATE LEVEL (WEST)
SCALE: 1/8"–1'–0"



3 ELECTRICAL LIGHTING BRIDGE LEVEL (WEST)
SCALE: 1/8"–1'–0"



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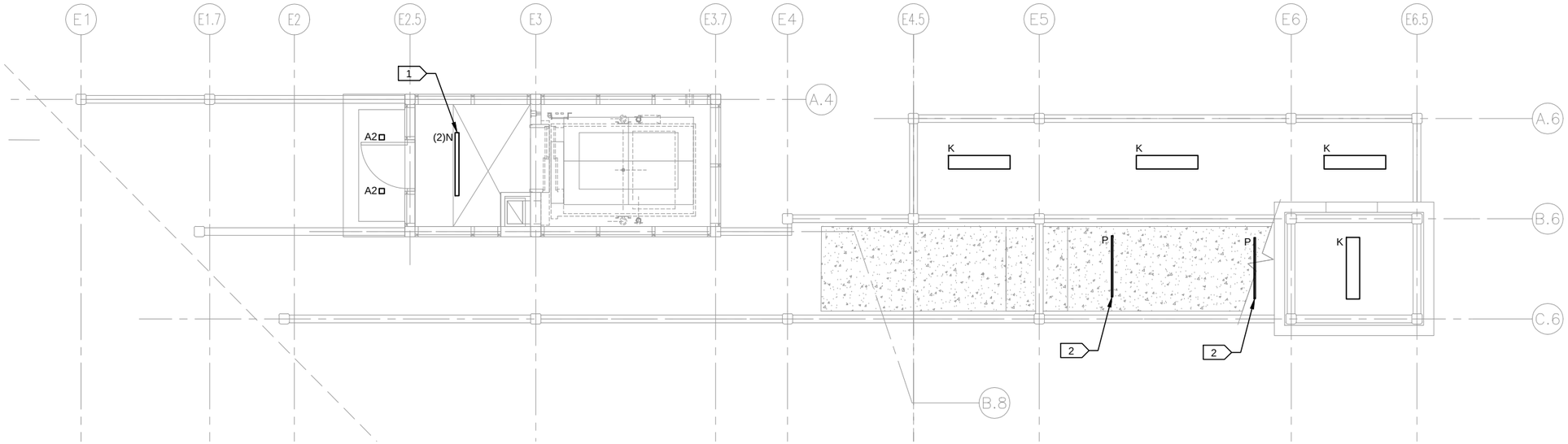
METROPOLITAN COUNCIL
SOUTHWEST
Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL LIGHTING PLAN
VC BRIDGE LEVEL (WEST)

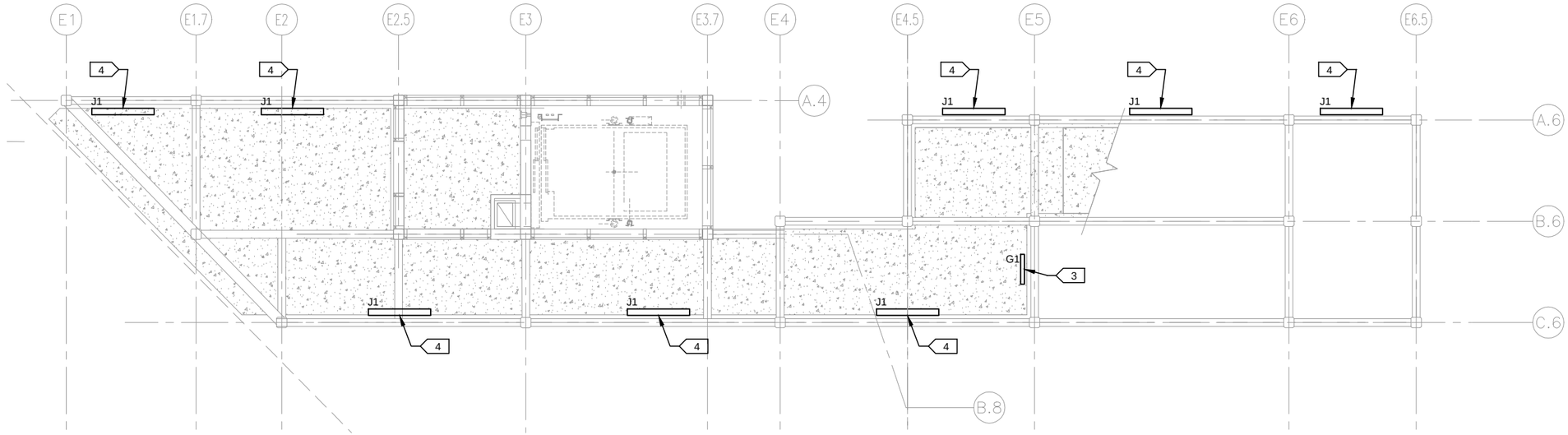
DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-PLN-308

SHEET 473 OF 510

Jan, 18 2016 11:33 am v:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-308.dwg By: FergTK



1 ELECTRICAL LIGHTING PLATFORM LEVEL (EAST)
SCALE: 1/8"–1'–0"



2 ELECTRICAL LIGHTING INTERMEDIATE LEVEL (EAST)
SCALE: 1/8"–1'–0"

GENERAL NOTES:

1.

KEYNOTES:

1. WALL WASH LUMINAIRES. (1) AIMED DOWN AT 10'-6" AND (1) AIMED DOWN AT 10'-10".
2. SURFACE MOUNT TO UNDERSIDE OF STAIRS.
3. SURFACE MOUNT TO DECK JUST BEHIND BEAM.
4. WALL MOUNT AT 14'-0" TO BOTTOM OF LUMINAIRE. AT STEEL BEAM ALONG WALL.

0 2 4 8
HORIZONTAL
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL LIGHTING PLAN
VC PLATFORM LEVEL (EAST)

DISCIPLINE: ELECTRICAL

SHEET NAME: E3-WST-ELE-PLN-309

SHEET 474 OF 510

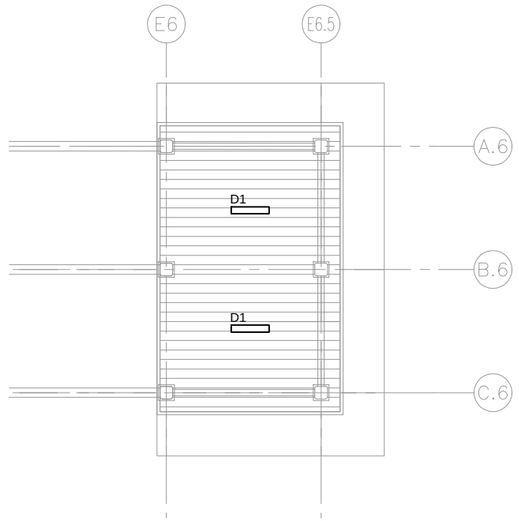
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GENERAL NOTES:

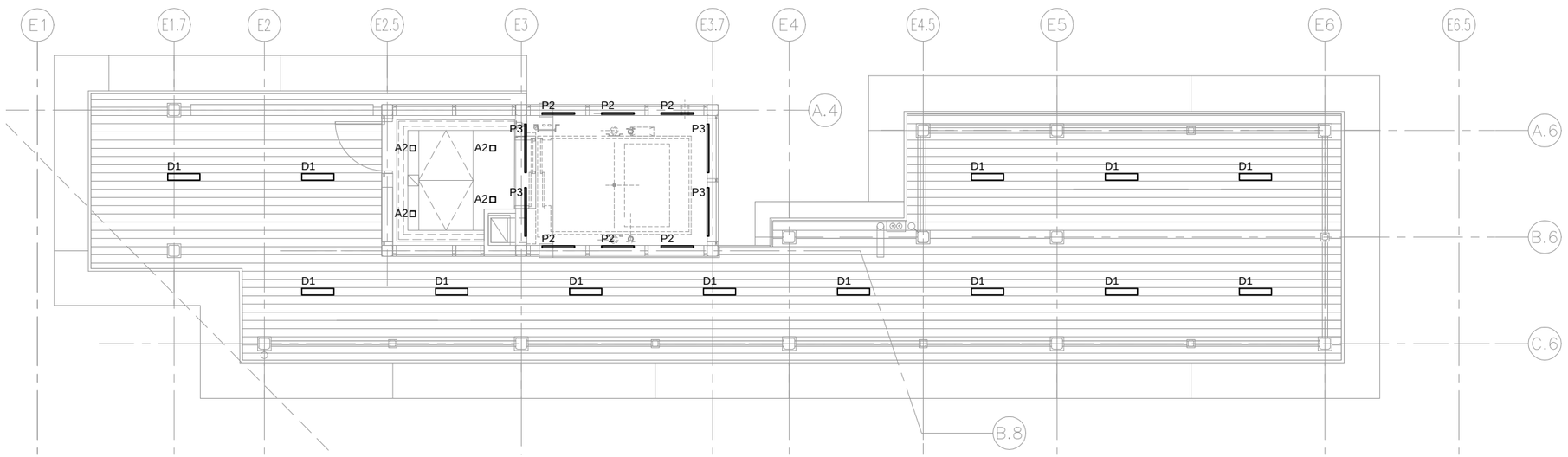
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KEYNOTES:

1.



1 ELECTRICAL LIGHTING INTERMEDIATE LEVEL (EAST)
SCALE: 1/8"–1'–0"



2 ELECTRICAL LIGHTING BRIDGE LEVEL (EAST)
SCALE: 1/8"–1'–0"

0 2 4 8
HORIZONTAL
SCALE IN FEET

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

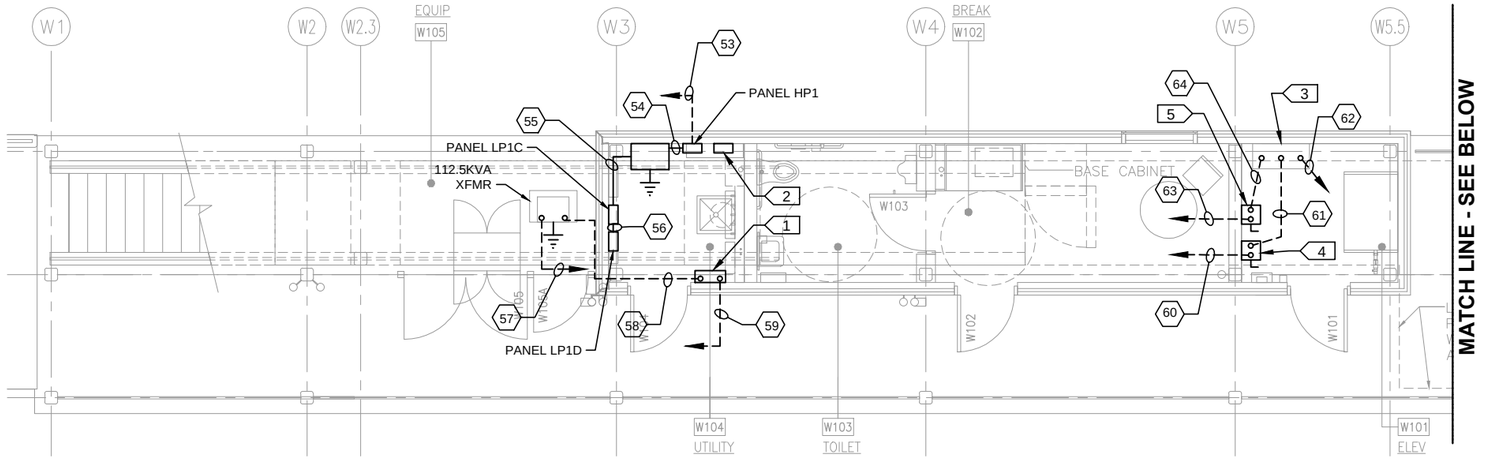
CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL LIGHTING PLAN
VC BRIDGE LEVEL (EAST)

DISCIPLINE: ELECTRICAL

SHEET NAME: E3-WST-ELE-PLN-310

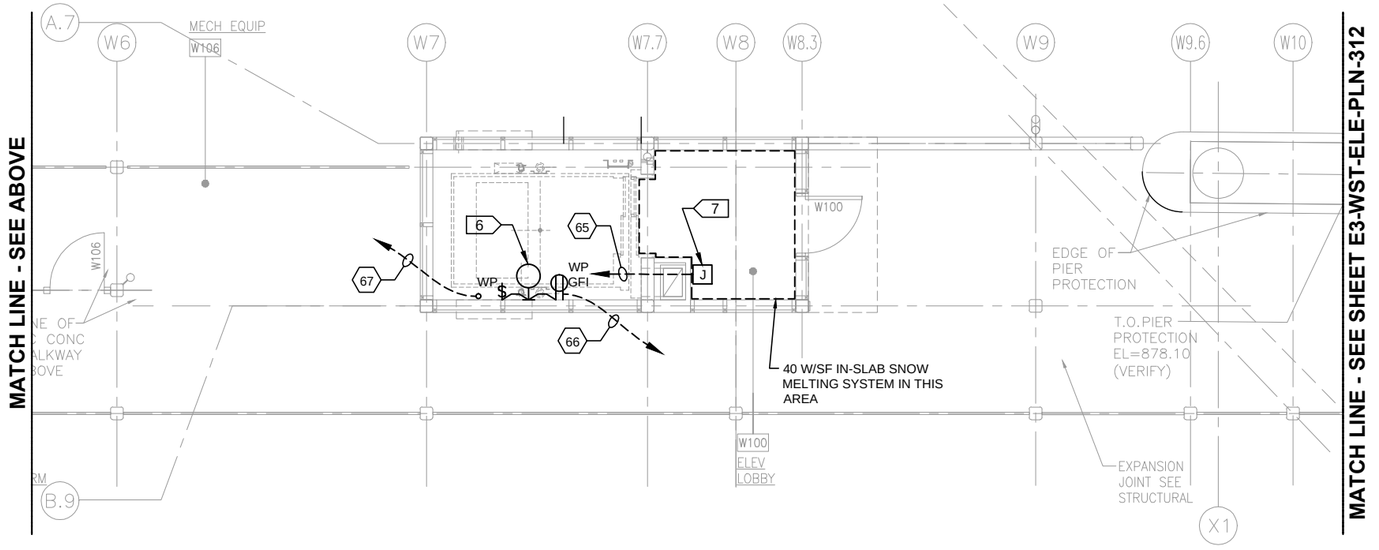
SHEET 475 OF 510

Jan. 18 2016 11:35 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-310.dwg By: FergTK



1 UNDERSLAB CONDUIT PLAN PLATFORM LEVEL (WEST)

SCALE: 1/8"–1'–0"



2 UNDERSLAB CONDUIT PLAN PLATFORM LEVEL (WEST)

SCALE: 1/8"–1'–0"

GENERAL NOTES:

1. ALL IN SLAB CONDUITS SHALL BE STUBBED UP A MINIMUM OF 8" AFF INTO COLUMNS, POSTS, BOTTOM OF TVM'S AND BOTTOM OF RSV'S.
2. AT CONDUIT STUB-UPS TRANSITION TO 1/2" LFMC FOR PUSH BUTTON CONTROL WIRING AND 3/4" LFMC FOR THE REMAINING.
3. SEE CONDUIT AND WIRE SCHEDULE FOR FROM/TO ROUTING OF CONDUITS.

KEYNOTES:

1. 500A, 208V, 3P CIRCUIT BREAKER DISCONNECT SWITCH FOR 150 KVA XFMR.
2. 20A/2P, 208V CONTACTOR AND CONTROLLER FOR ELEVATOR LOBBY IN-SLAB HEATING. PROVIDE SPACE FOR FUTURE ELEVATOR LOBBY IN-SLAB 20A/2P, 208V CONTACTOR AND CONTROLLER.
3. ELEVATOR CONTROLLER.
4. 100A, 480V, 3P CIRCUIT BREAKER DISCONNECT SWITCH FOR ELEVATOR.
5. 20A, 120V, 2P DISCONNECT SWITCH FOR ELEVATOR CAB LIGHTING AND POWER.
6. ELEVATOR PIT LUMINAIRE, LIGHT SWITCH AND RECEPTACLE. INSTALL AT 18" ABOVE PIT FLOOR.
7. FLUSH MOUNTED JUNCTION BOX FOR CONNECTION TO IN-SLAB FLOOR HEATING CABLES.
8. SINGLE PHASE DISCONNECT/STARTER.
9. THREE PHASE STARTER.

0 2 4 8
HORIZONTAL SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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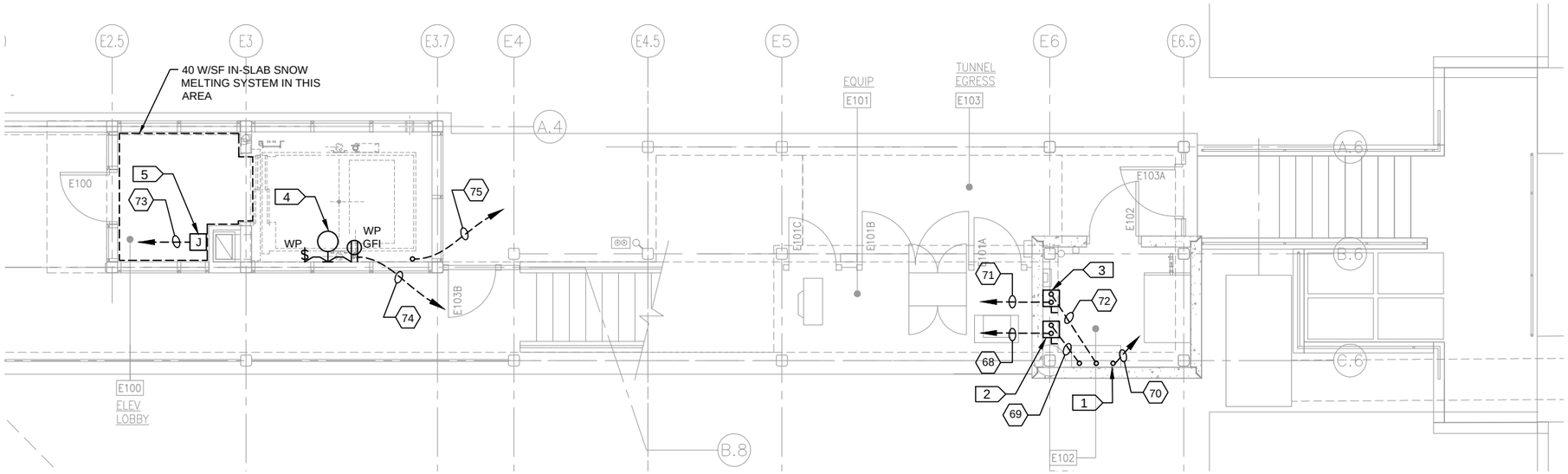
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL UNDERSLAB CONDUIT PLAN
VC PLATFORM LEVEL (WEST)

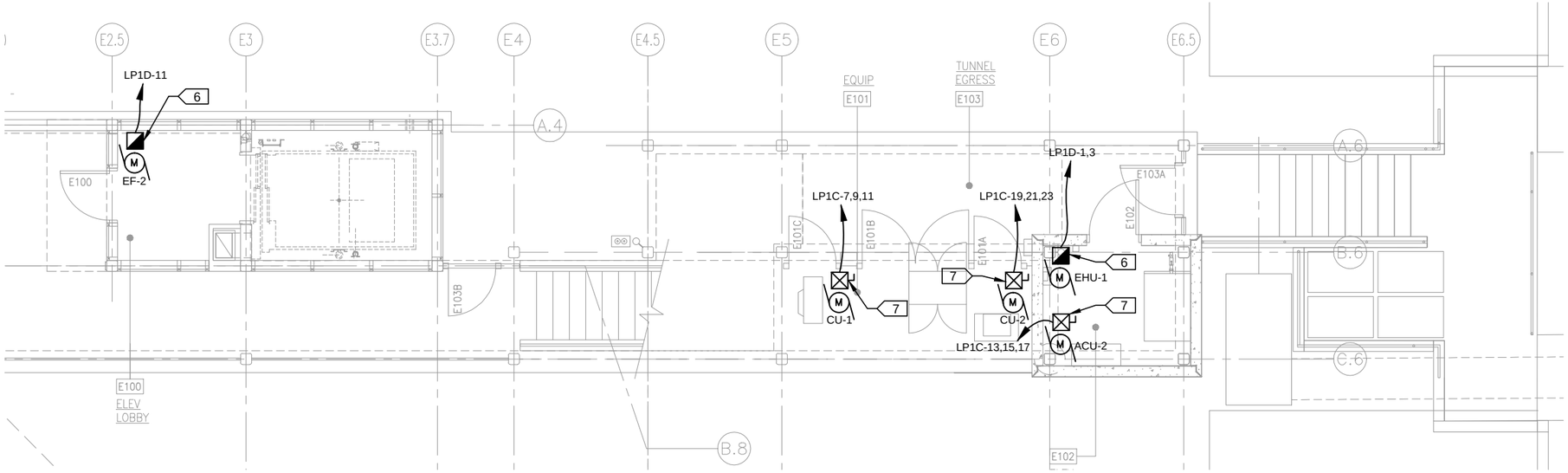
DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-PLN-311

SHEET 476 OF 510

Jan, 18 2016 11:35 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-311.dwg By: FergTK



1 UNDERSLAB CONDUIT PLAN PLATFORM LEVEL (EAST)
SCALE: 1/8"–1'–0"



2 POWER PLAN PLATFORM LEVEL (EAST)
SCALE: 1/8"–1'–0"

HORIZONTAL SCALE IN FEET
0 2 4 8

GENERAL NOTES:

1. ALL IN SLAB CONDUITS SHALL BE STUBBED UP A MINIMUM OF 8" AFF INTO COLUMNS, POSTS, BOTTOM OF TVM'S AND BOTTOM OF RSV'S.
2. AT CONDUIT STUB-UPS TRANSITION TO 1/2" LFMC FOR PUSH BUTTON CONTROL WIRING AND 3/4" LFMC FOR THE REMAINING.
3. SEE CONDUIT AND WIRE SCHEDULE FOR FROM/TO ROUTING OF CONDUITS.

KEYNOTES:

1. ELEVATOR CONTROLLER.
2. 100A, 480V, 3P CIRCUIT BREAKER DISCONNECT SWITCH FOR ELEVATOR.
3. 20A, 120V, 2P DISCONNECT SWITCH FOR ELEVATOR CAB LIGHTING AND POWER.
4. ELEVATOR PIT LUMINAIRE, LIGHT SWITCH AND RECEPTACLE. INSTALL AT 18" ABOVE PIT FLOOR.
5. FLUSH MOUNTED JUNCTION BOX FOR CONNECTION TO IN-SLAB FLOOR HEATING CABLES.
6. SINGLE PHASE DISCONNECT/STARTER.
7. THREE PHASE STARTER.

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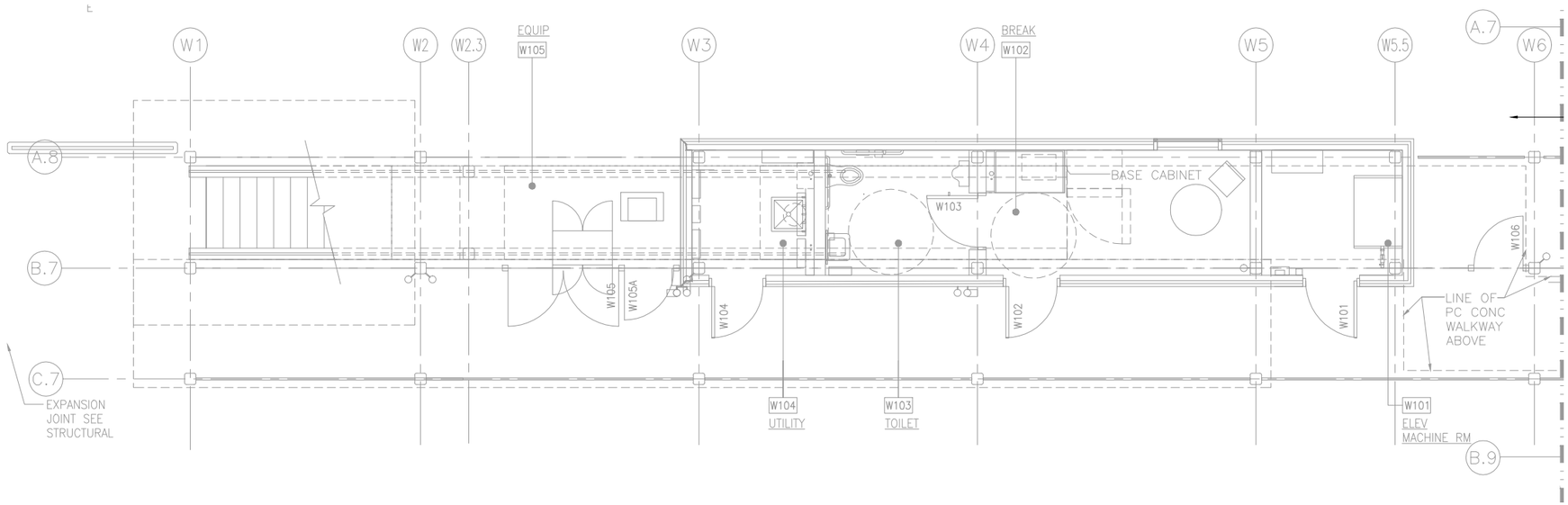
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL PLAN
VC PLATFORM LEVEL (EAST)

DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-PLN-312

SHEET 477 OF 510

Jan. 18 2016 11:36 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-312.dwg By: FergTK



1 POWER PLAN INTERMEDIATE LEVEL (WEST)
SCALE: 1/8"–1'–0"

0 2 4 8
HORIZONTAL
SCALE IN FEET

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SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL POWER PLAN
VC INTERMEDIATE LEVEL (WEST)

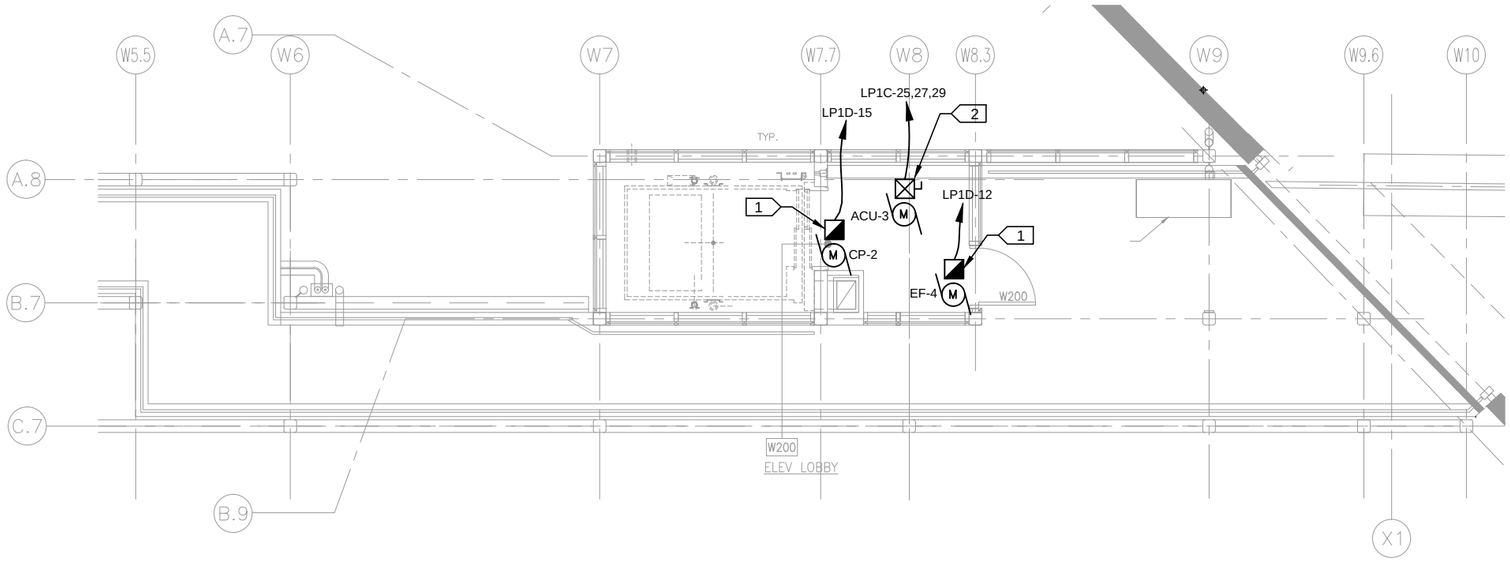
DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-PLN-313

SHEET 478 OF 510

Jan, 18 2016 11:37 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-313.dwg By: FergTK

KEYNOTES:

1. SINGLE PHASE DISCONNECT/STARTER.
2. THREE PHASE STARTER.



1 POWER PLAN BRIDGE LEVEL (WEST)
SCALE: 1/8"-1'-0"

0 2 4 8
HORIZONTAL
SCALE IN FEET

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

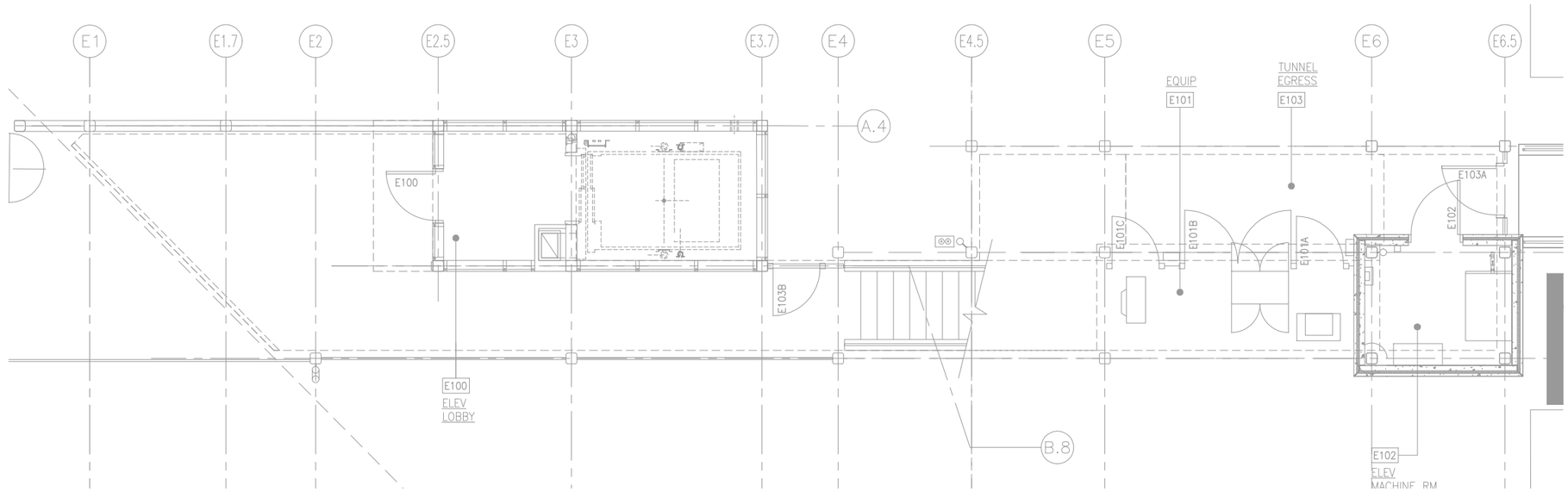
CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL POWER PLAN
BRIDGE LEVEL (WEST)

DISCIPLINE: ELECTRICAL

SHEET NAME: E3-WST-ELE-PLN-314

SHEET 479 OF 510

Jan, 18 2016 11:38 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-314.dwg By: FergTK



1 POWER PLAN PLATFORM LEVEL (EAST)
SCALE: 1/8"–1'–0"

0 2 4 8
HORIZONTAL
SCALE IN FEET

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METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL POWER PLAN
PLATFORM/INTERMEDIATE LEVEL (EAST)

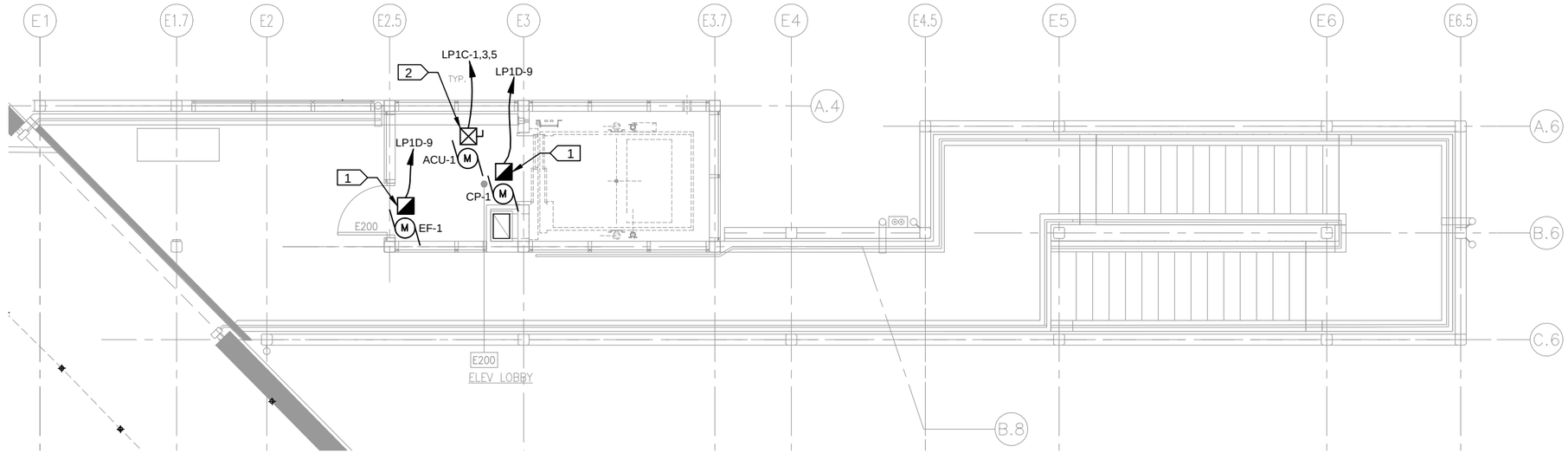
DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-PLN-315

SHEET 480 OF 510

Jan. 18 2016 11:38 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-315.dwg By: FergTK

KEYNOTES:

1. SINGLE PHASE DISCONNECT/STARTER.
2. THREE PHASE STARTER.



1 POWER PLAN BRIDGE LEVEL (EAST)
SCALE: 1/8"-1'-0"

0 2 4 8
HORIZONTAL
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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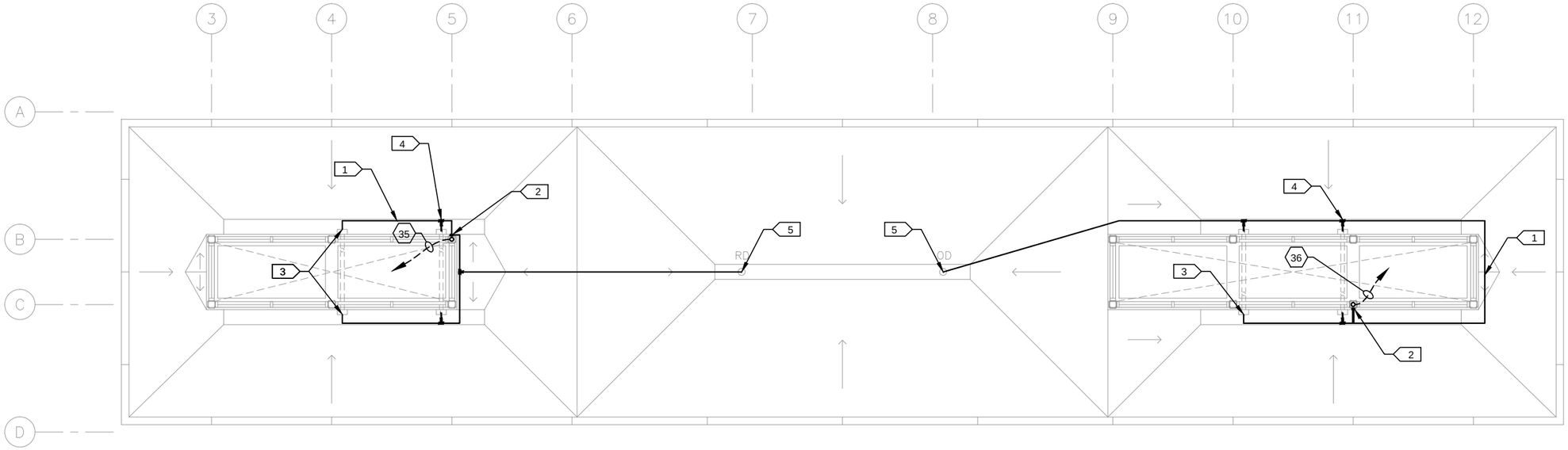
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SOUTHWEST
Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL POWER PLAN
VC BRIDGE LEVEL (WEST)

DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-PLN-316

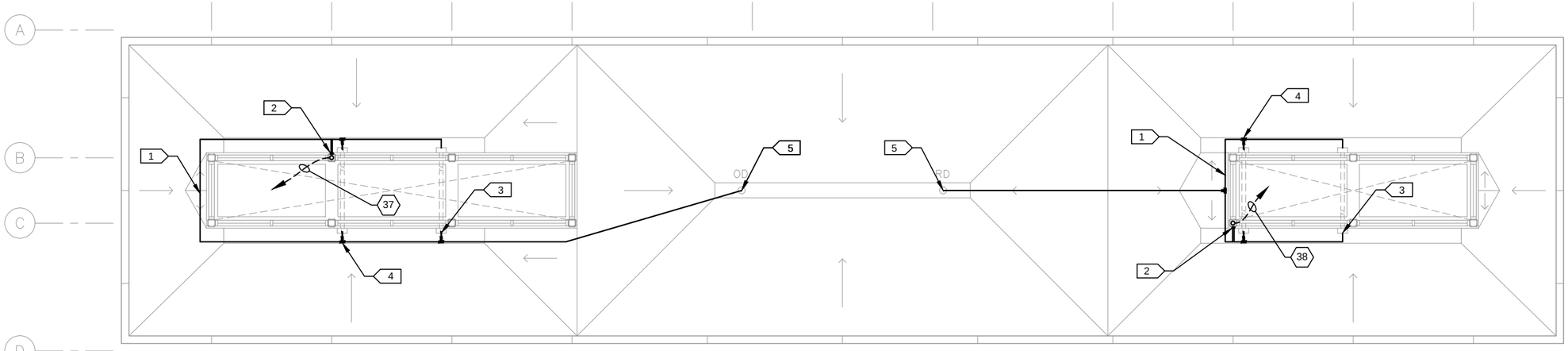
SHEET 481 OF 510

Jan, 18 2016 11:39 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-316.dwg By: FergTK



1 ROOF PLAN – WEST CANOPY
SCALE: 1/8"=1'–0"

0 2 4 8
SCALE



2 ROOF PLAN – EAST CANOPY
SCALE: 1/8"=1'–0"

0 2 4 8
SCALE

KEYNOTES:

1. SELF REGULATING HEAT TRACE CABLE. ATTACH CABLE TO ROOF WITH CLIPS. COORDINATE CLIP REQUIREMENTS WITH ROOFING CONTRACTOR.
2. POWER CONNECTION KIT WITH DOUBLE HEAT TRACE CABLE CONNECTION. COORDINATE MOUNTING REQUIREMENTS WITH STRUCTURAL STEEL CONTRACTOR.
3. RUN HEAT TRACE DOWN RAIN WATER LEADER 6' BELOW FINISHED FLOOR, PROVIDE CABLE PROTECTION WHERE CABLE ENTERS SCUPPER DRAIN.
4. HEAT TRACE TEE SPLICE KIT.
5. RUN HEAT TRACE DOWN RAIN WATER LEADER 6' BELOW FINISHED FLOOR, PROVIDE CABLE PROTECTION WHERE CABLE ENTERS DRAIN STRAINER.

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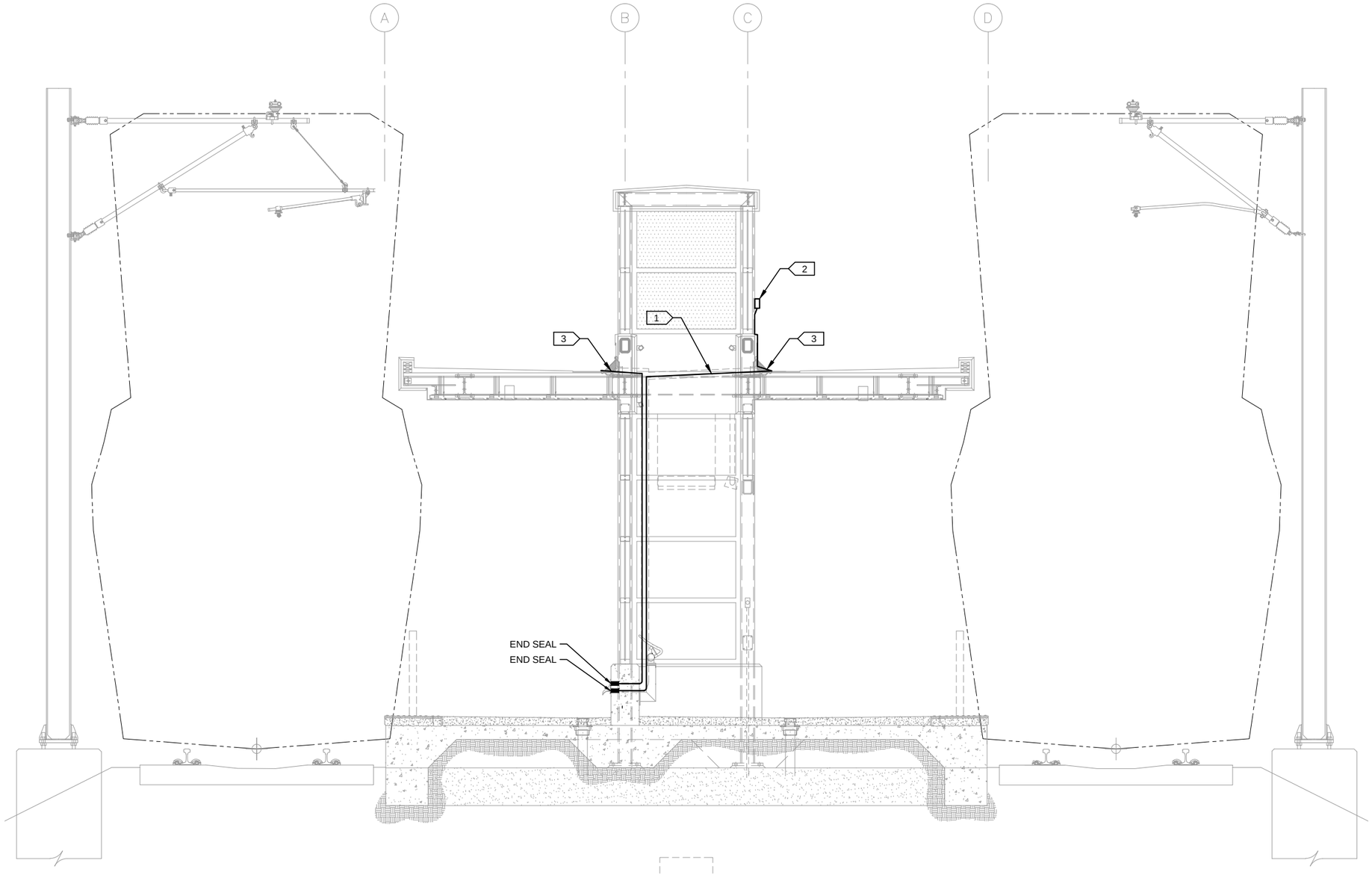
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL
HEAT TRACE PLAN

DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-PLN-321

SHEET 482 OF 510

Jan, 18 2016 11:39 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-321.dwg By: FergTK



1 TYPICAL PLATFORM SECTION
SCALE: 1/4"=1'-0"

0 1 2 4
SCALE

GENERAL NOTES:

1. HEAT TRACE CONTROL PANEL LOCATED IN SEC-001.
2. SEE HEAT TRACE PLAN FOR HEAT TRACE AT CANOPY ROOFS.

KEYNOTES:

1. SELF REGULATING HEAT TRACE CABLE. ATTACH CABLE TO ROOF WITH CLIPS. COORDINATE CLIP REQUIREMENTS WITH ROOFING CONTRACTOR.
2. POWER CONNECTION KIT WITH DOUBLE HEAT TRACE CABLE CONNECTION, AS REQUIRED. COORDINATE MOUNTING REQUIREMENTS WITH STRUCTURAL STEEL CONTRACTOR.
3. PROVIDE CABLE PROTECTION WHERE CABLE ENTERS ROOF DRAIN STRAINERS.
4. RUN HEAT TRACE DOWN RAIN LEADER, ADD END SEALS AT DOWNSPOUT.

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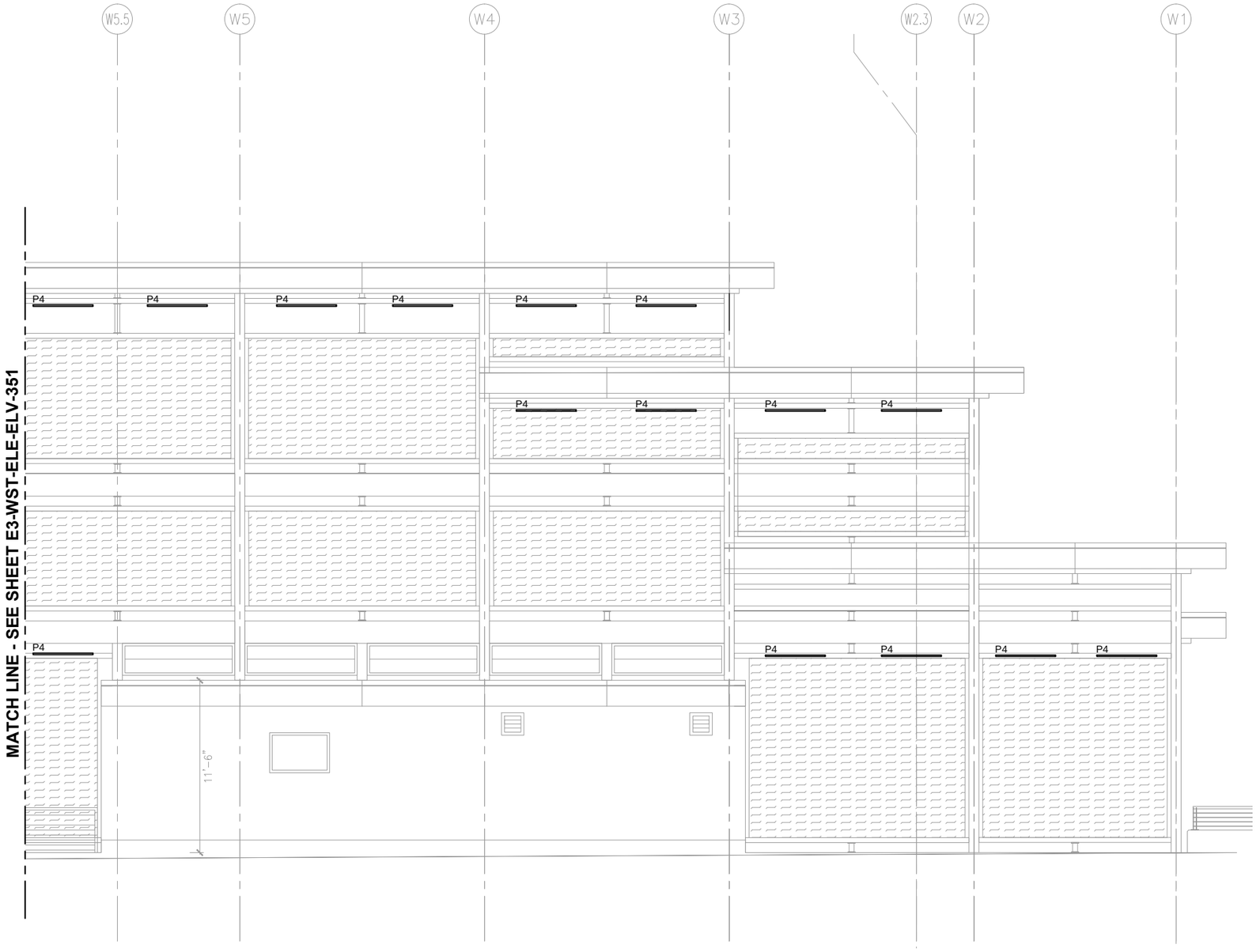
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL
HEAT TRACE ELEVATION

DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-ELV-322

SHEET 483 OF 510

Jan, 18 2016 11:40 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-ELV-322.dwg By: FergTK



1 VC TRACK 1 – PARTIAL ELEVATION (WEST)
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1.

KEYNOTES:

1.

0 2 4 8
HORIZONTAL SCALE IN FEET

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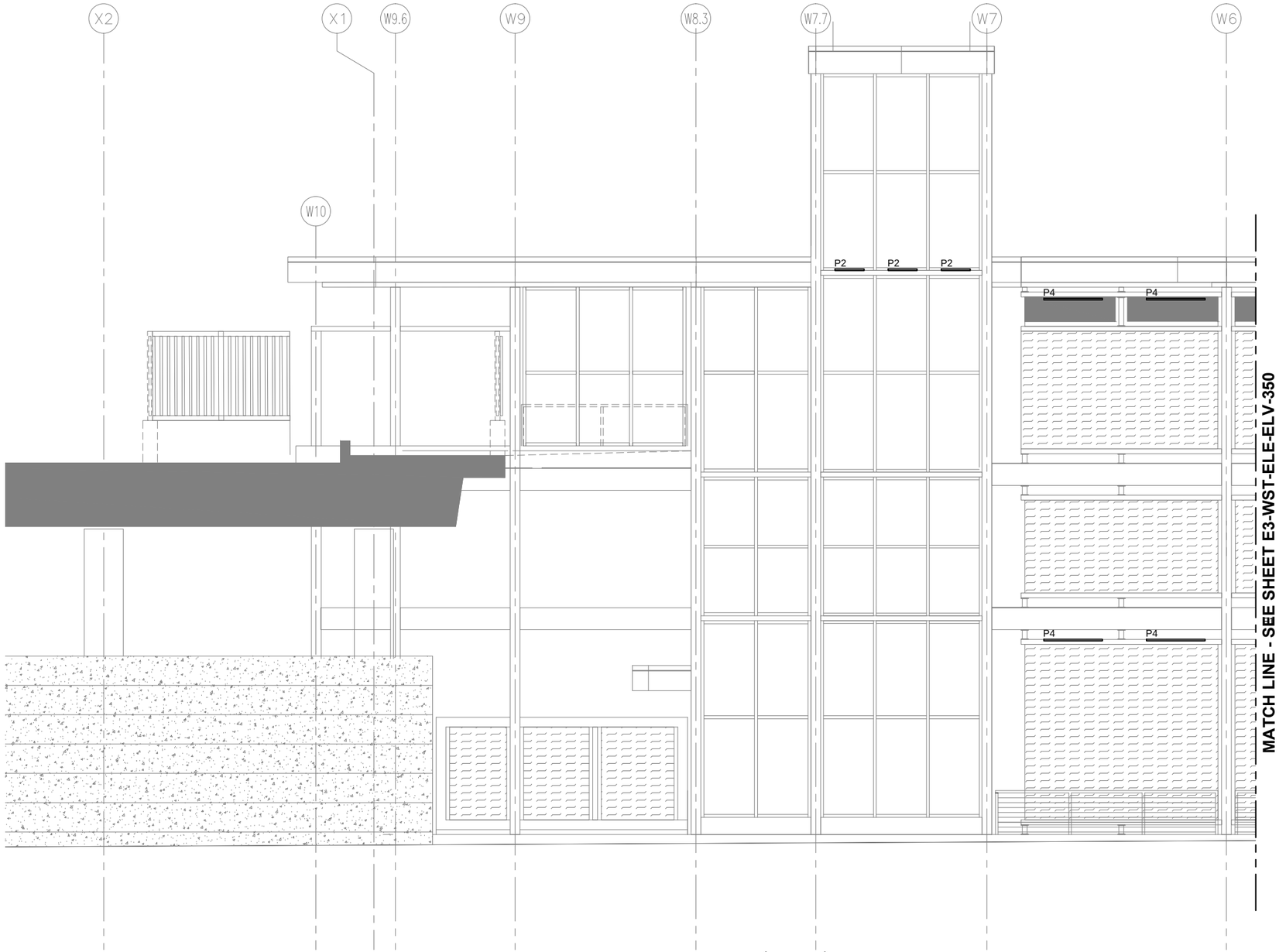
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL
VC TRACK 1 - PARTIAL ELEVATION (WEST)

DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-ELV-350

SHEET 484 OF 510

Jan, 18 2016 11:41 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-ELV-350 .dwg By: FergTK



1 VC TRACK 1 – PARTIAL ELEVATION (WEST)
SCALE: 1/8"=1'–0"

GENERAL NOTES:

1.

KEYNOTES:

1.

0 2 4 8
HORIZONTAL SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL
VC TRACK 1 - PARTIAL ELEVATION (WEST)

DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-ELV-351

SHEET 485 OF 510

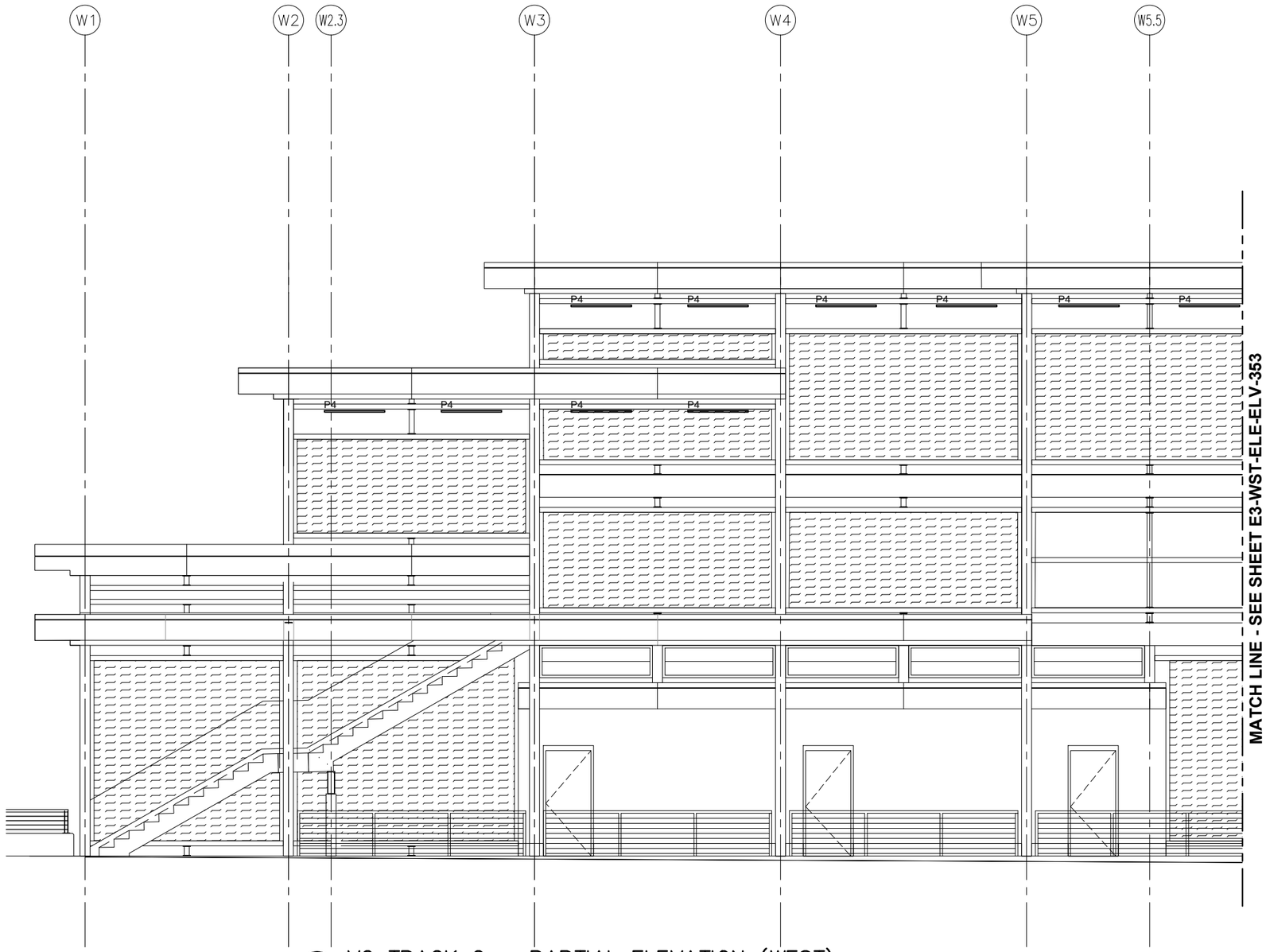
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GENERAL NOTES:

1.

KEYNOTES:

1.



1 VC TRACK 2 – PARTIAL ELEVATION (WEST)
SCALE: 1/8"=1'–0"

0 2 4 8
HORIZONTAL SCALE IN FEET

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METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL
VC TRACK 2 - PARTIAL ELEVATION (WEST)

DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-ELV-352

SHEET 486 OF 510

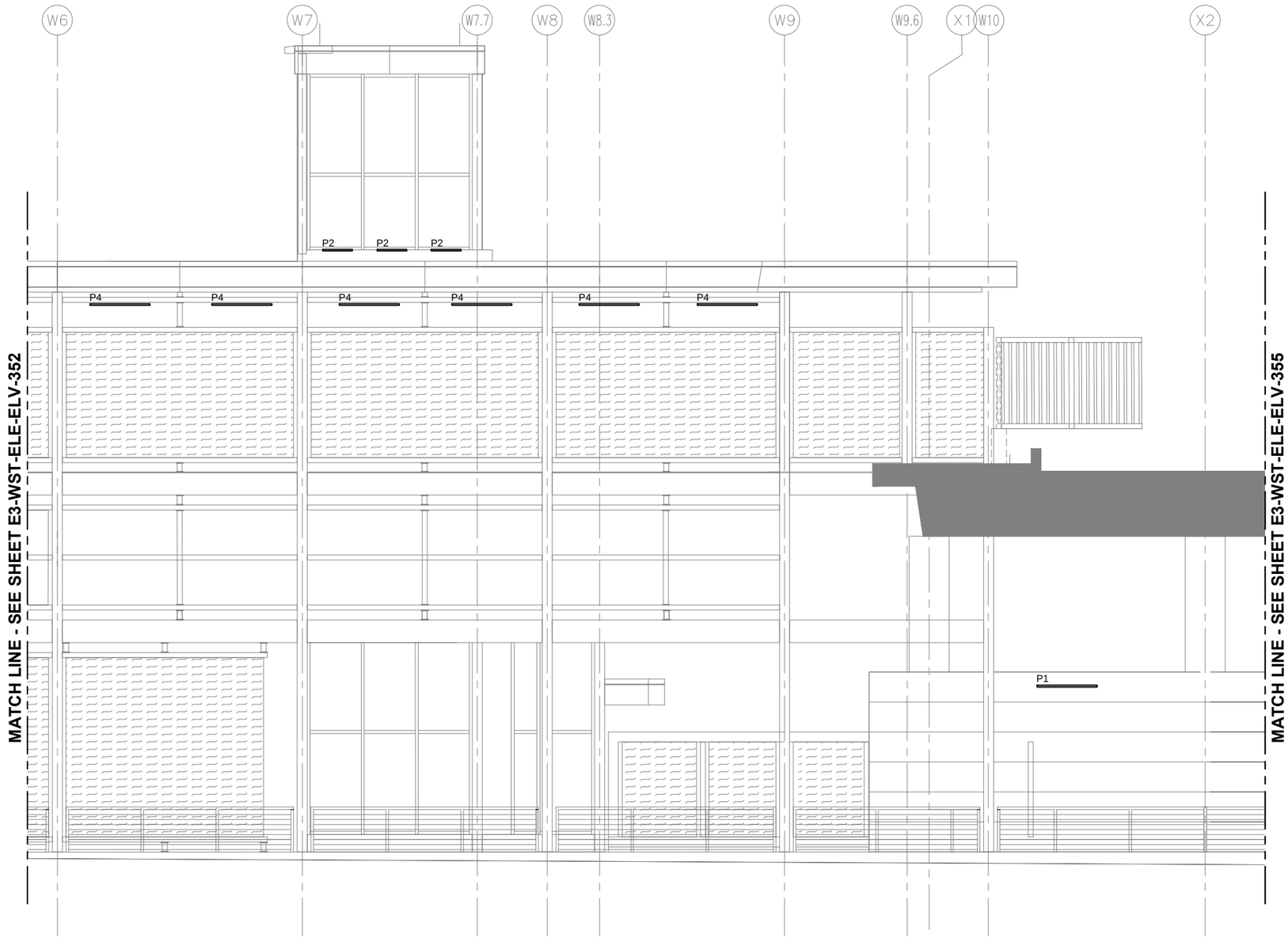
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GENERAL NOTES:

1.

KEYNOTES:

1.



1 VC TRACK 2 – PARTIAL ELEVATION (WEST)
SCALE: 1/8"=1'-0"

0 2 4 8
HORIZONTAL SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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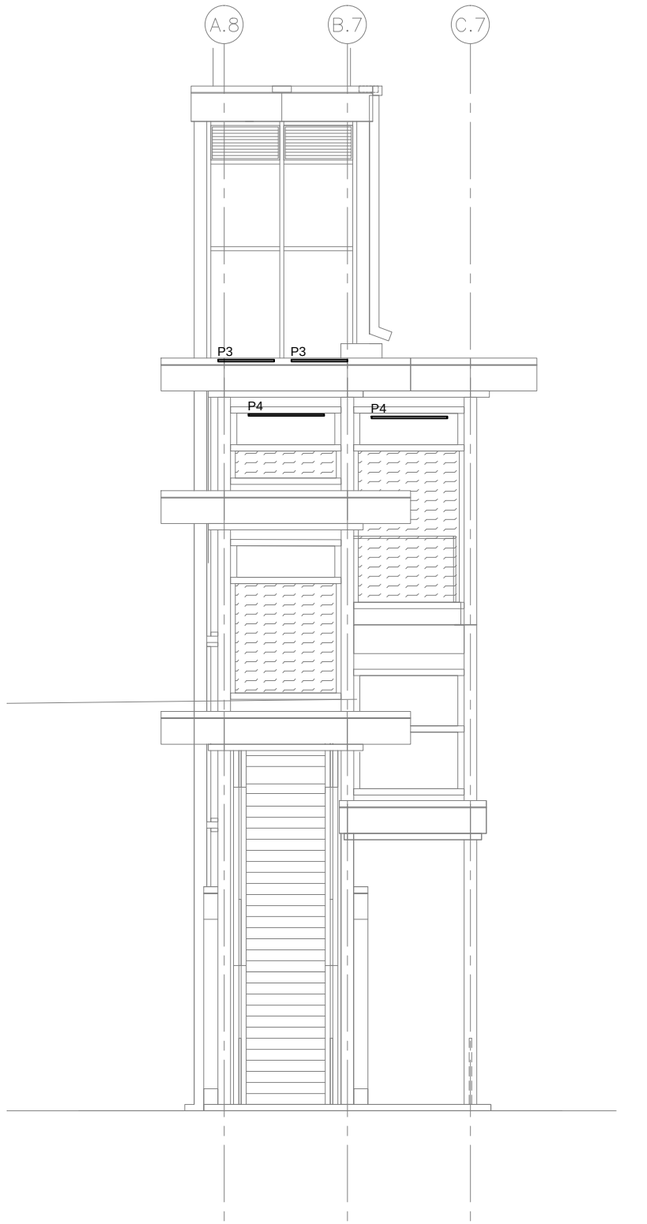
METROPOLITAN COUNCIL
SOUTHWEST
Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL
VC TRACK 2 - PARTIAL ELEVATION (WEST)

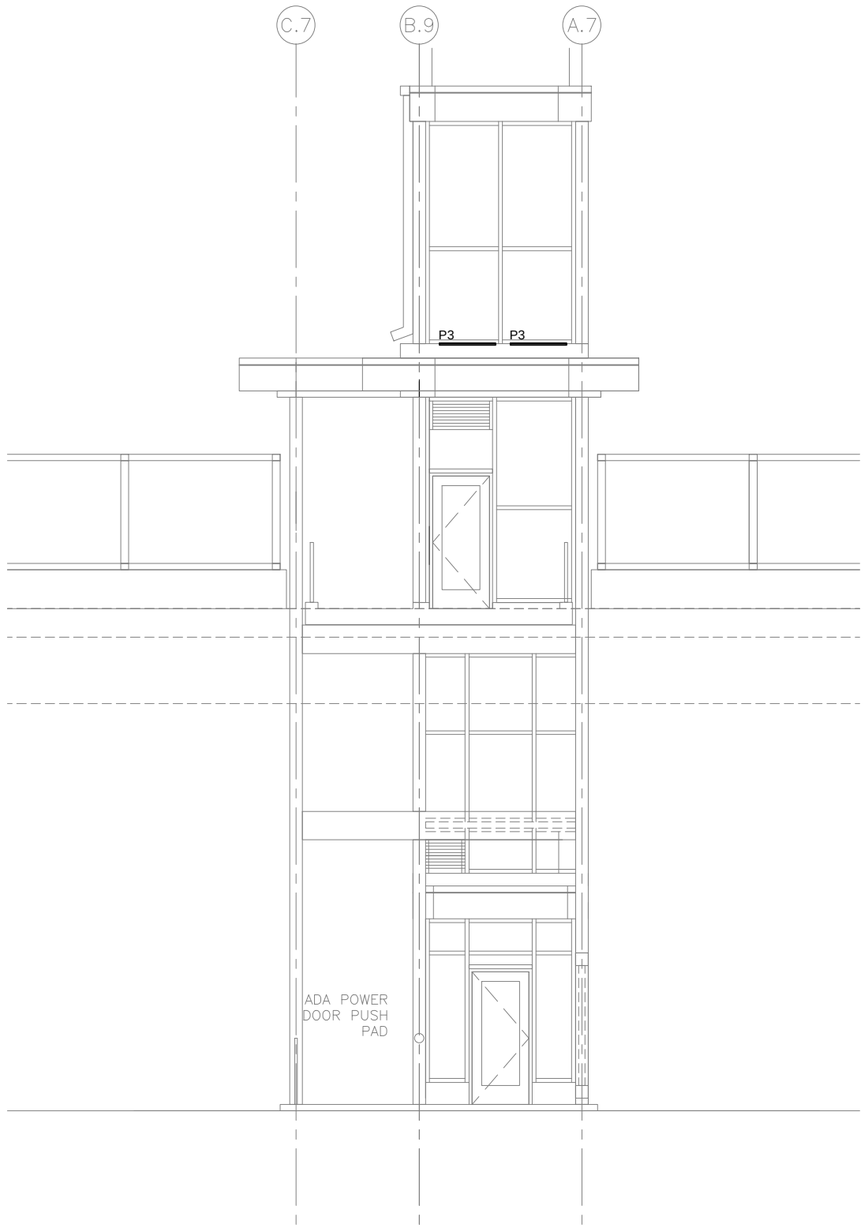
DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-ELV-353

SHEET 487 OF 510

Jan, 18 2016 11:43 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-ELV-353.dwg By: FergTK



1 VC – SIDE ELEVATION (WEST)
SCALE: 1/8"=1'-0"



2 VC – SIDE ELEVATION (WEST)
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1.

KEYNOTES:

1.

0 2 4 8
HORIZONTAL SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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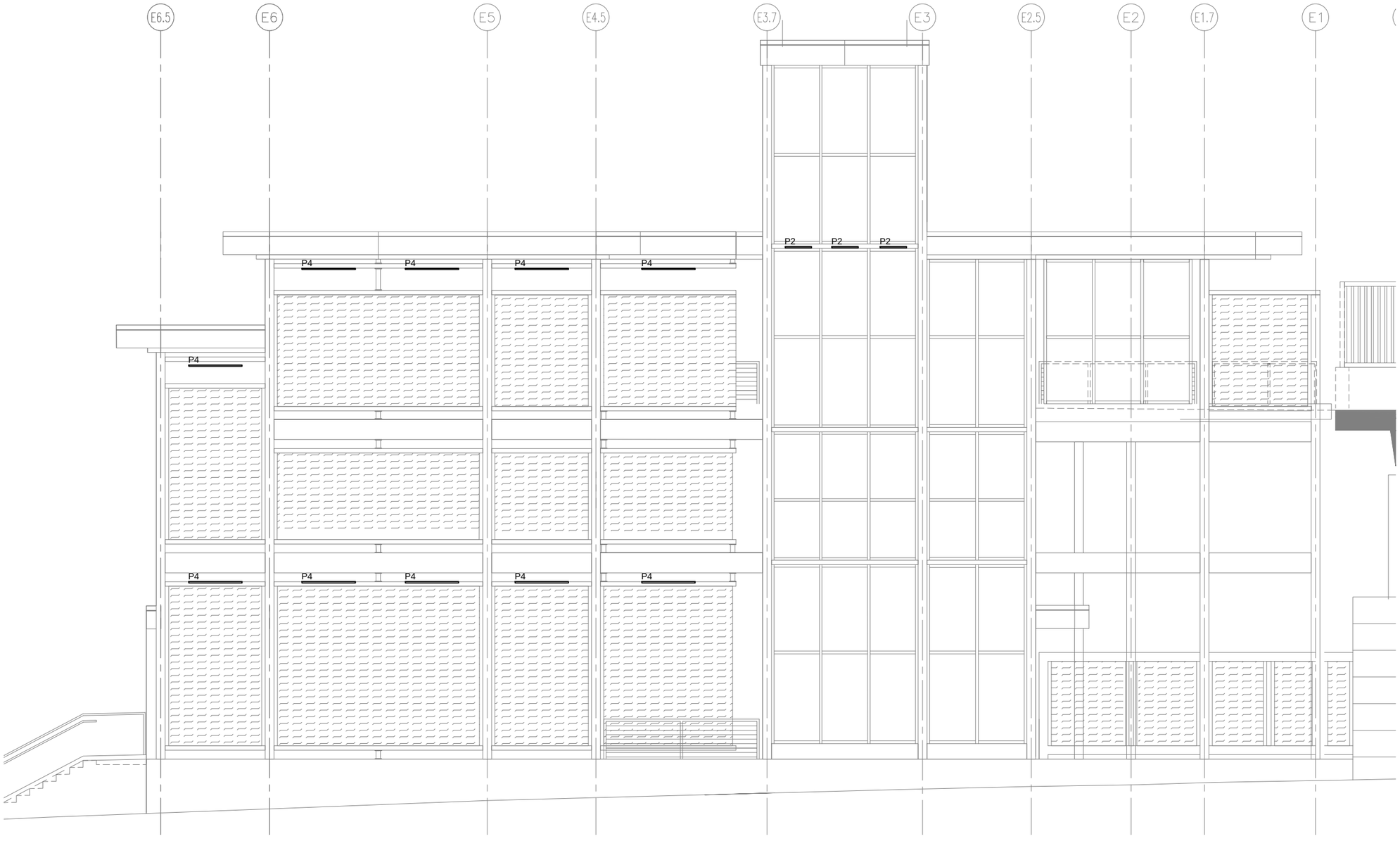
METROPOLITAN COUNCIL
SOUTHWEST
Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL
VC SIDE ELEVATIONS (WEST)

DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-ELV-354

SHEET 488 OF 510

Jan, 18 2016 11:44 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-ELV-354.dwg By: FergTK



GENERAL NOTES:

1.

KEYNOTES:

1.

1 VC TRACK 1 – PARTIAL ELEVATION (EAST)
SCALE: 1/8"=1'-0"

0 2 4 8
HORIZONTAL SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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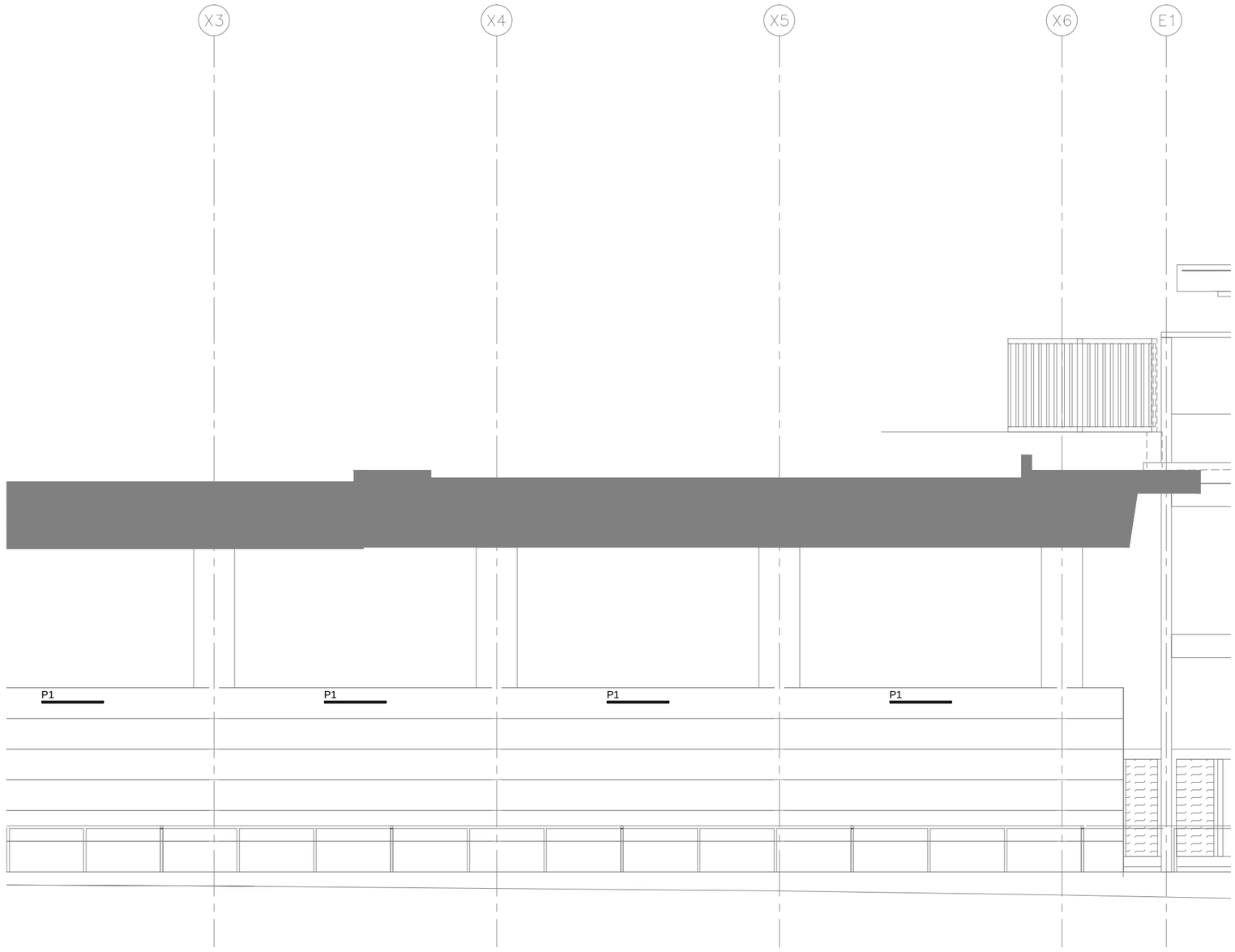
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL
VC TRACK 1 - PARTIAL ELEVATION (EAST)

DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-ELV-355

SHEET 489 OF 510

Jan, 18 2016 11:44 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-ELV-355.dwg By: FergTK



GENERAL NOTES:

1.

KEYNOTES:

1.

1 VC TRACK 2 – PARTIAL ELEVATION (EAST)
SCALE: 1/8"=1'-0"

0 2 4 8
HORIZONTAL SCALE IN FEET

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METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL
VC TRACK 2 - PARTIAL ELEVATION (EAST)

DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-ELV-356

SHEET 490 OF 510

Jan. 18 2016 11:45 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-ELV-356 .dwg By: FergTK



1 VC TRACK 2 – PARTIAL ELEVATION (EAST)
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1.

KEYNOTES:

1.

0 2 4 8
HORIZONTAL SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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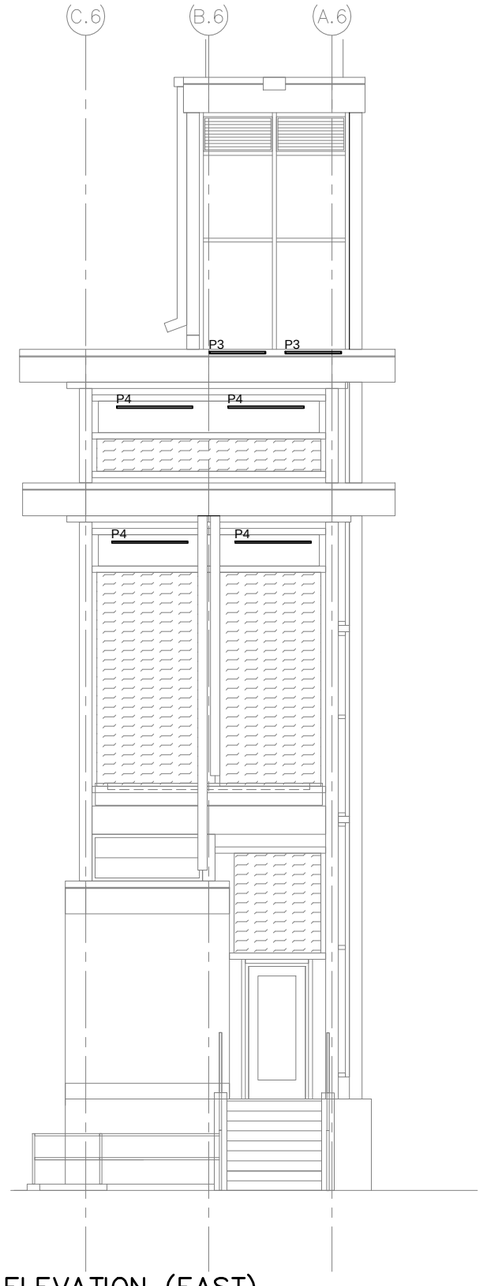
METROPOLITAN COUNCIL
SOUTHWEST
Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL
VC TRACK 2 - PARTIAL ELEVATION (EAST)

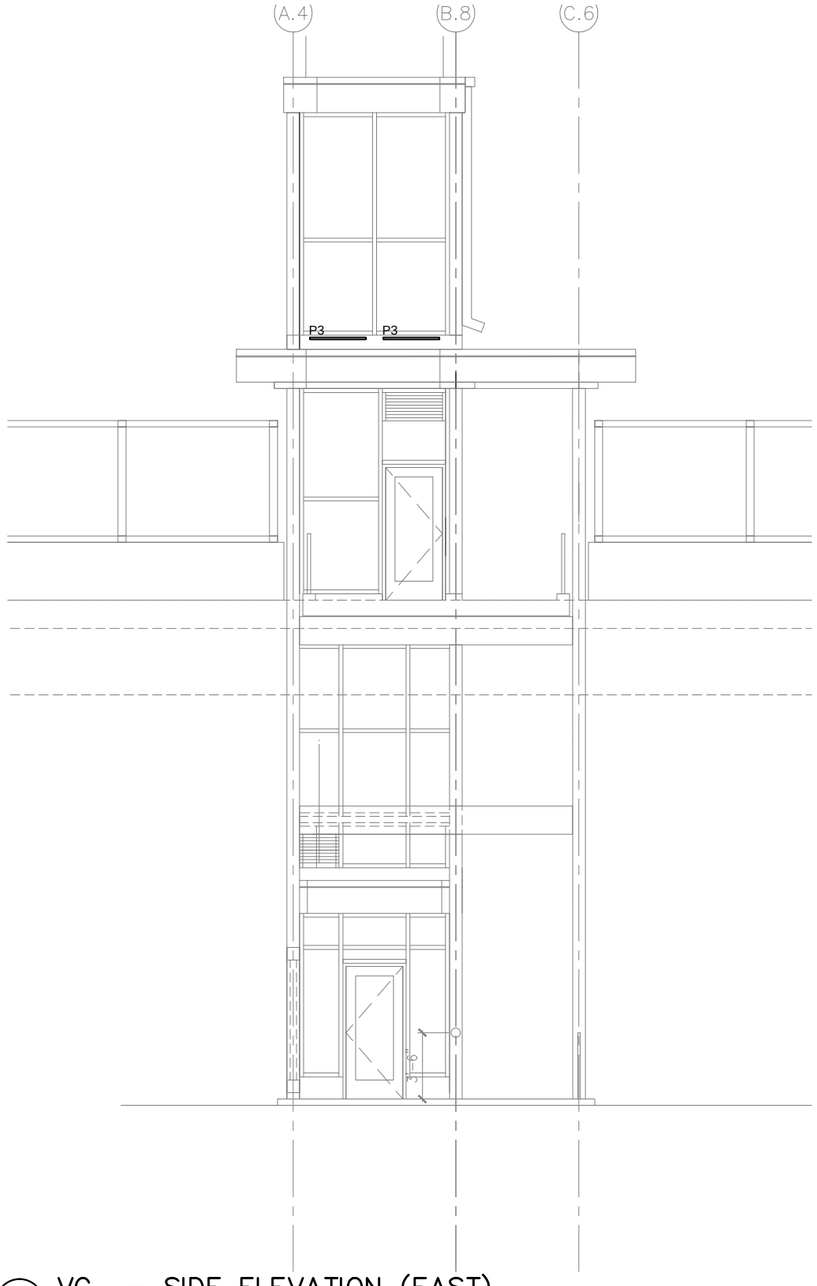
DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-ELV-357

SHEET 491 OF 510

Jan, 18 2016 11:46 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-ELV-357.dwg By: FergTK



1 VC – SIDE ELEVATION (EAST)
SCALE: 1/8"=1'–0"



2 VC – SIDE ELEVATION (EAST)
SCALE: 1/8"=1'–0"

GENERAL NOTES:

1.

KEYNOTES:

1.

0 2 4 8
HORIZONTAL SCALE IN FEET

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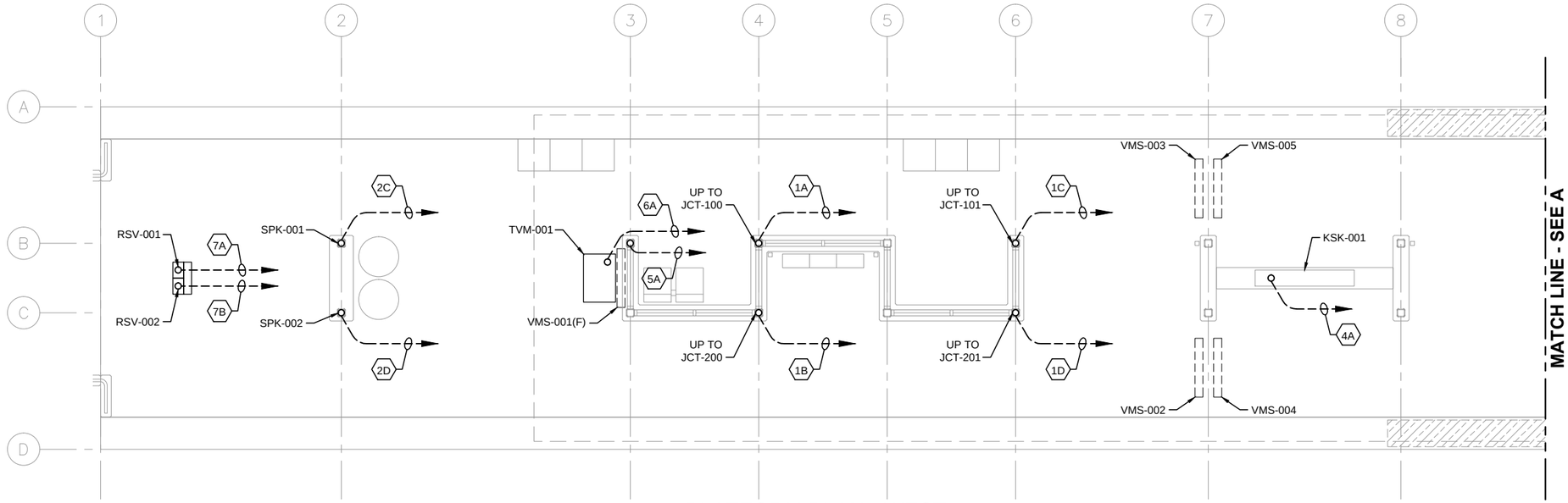
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL
VC TRACK 2 - PARTIAL ELEVATION (EAST)

DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-ELV-358

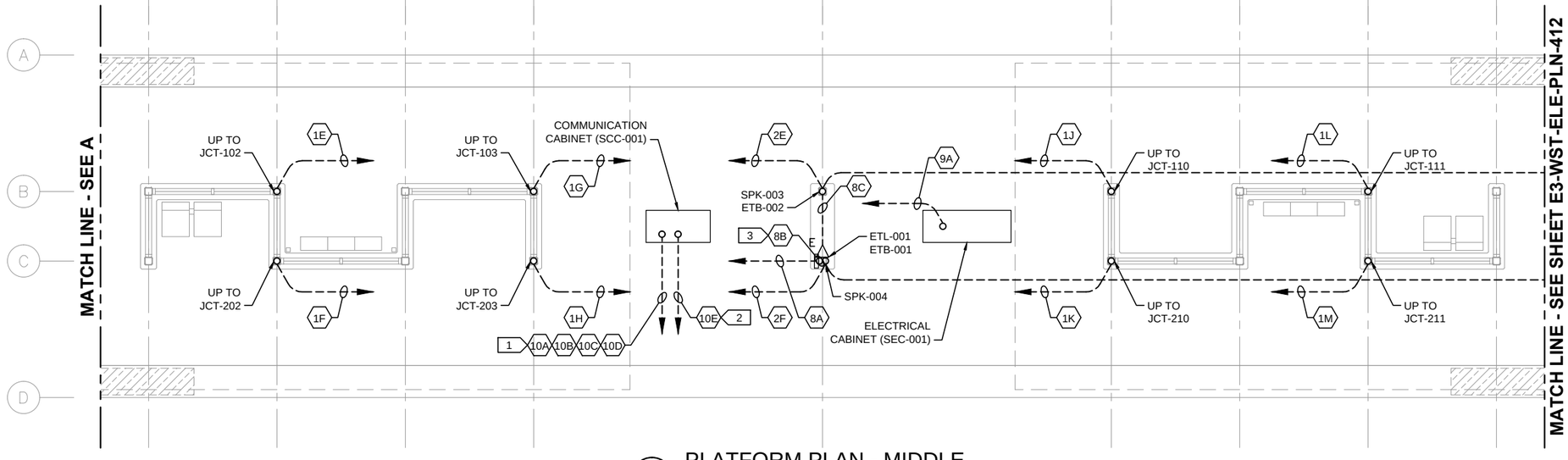
SHEET 492 OF 510

Jan, 18 2016 11:46 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-ELV-358.dwg By: FergTK



1 PLATFORM PLAN - WEST

SCALE: 1/8"=1'-0"



2 PLATFORM PLAN - MIDDLE

SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. DASHED LINES WITH AN ARROWHEAD DENOTE HOMERUN TO SCC-001, UNLESS OTHERWISE NOTED.
2. FOR CONDUITS AND DEVICES MOUNTED TO CANOPY, SEE COMMUNICATIONS CANOPY PLAN.
3. SEE SHEETS E3-WST-ELE-SCH-461 AND E3-WST-ELE-SCH-462 FOR CONDUIT SCHEDULES.
4. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
5. ALL UNDERSLAB CONDUIT SHALL BE PVC, ALL CONDUIT ABOVE PLATFORM SURFACE SHALL BE GRS.
6. CONDUIT ROUTING SHOWN DIAGRAMMATICALLY.
7. TVMs, RSVs, SPEAKERS, ETEL AND COMMUNICATION CABINET TO BE PROVIDED BY OTHERS; SHOWN FOR REFERENCE ONLY.

KEYNOTES:

1. COMMUNICATIONS CONDUITS TO/FROM STATION SIGNAL-COMMUNICATIONS HOUSE, VIA MH-XXXX.
2. CONDUIT TO/FROM STATION-COMMUNICATIONS HOUSE FOR UPS POWER FEED TO SCC-001.
3. CONDUIT AND CABLE FOR ETEL BEACON LIGHT SHALL BE INSTALLED ENTIRELY WITHIN COLUMN.

0 2 4 8

HORIZONTAL SCALE IN FEET

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

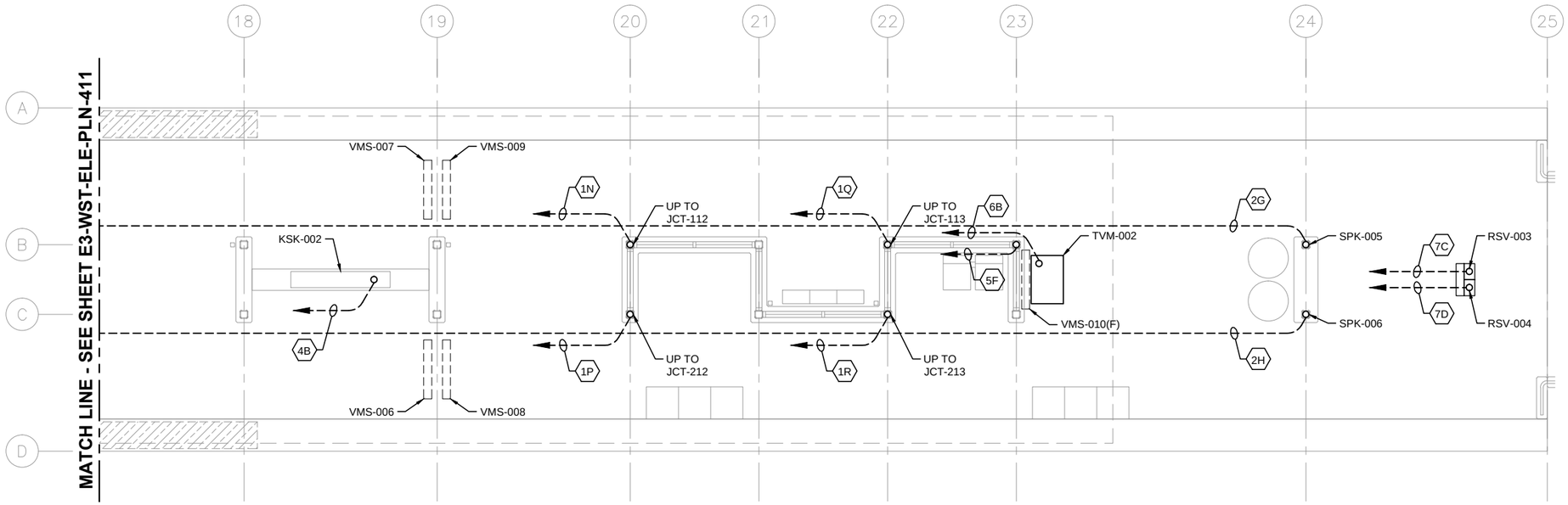
CIVIL - VOLUME 11C
WEST LAKE STATION
COMMUNICATIONS
UNDERSLAB CONDUIT PLAN (1 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E3-WST-ELE-PLN-411

SHEET 493 OF 510

Jan, 18 2016 11:47 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-411.dwg By: FergTK



1 PLATFORM PLAN - EAST

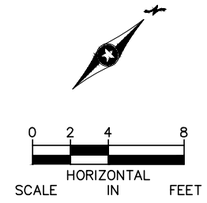
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. DASHED LINES WITH AN ARROWHEAD DENOTE HOMERUN TO SCC-001, UNLESS OTHERWISE NOTED.
2. FOR CONDUITS AND DEVICES MOUNTED TO CANOPY, SEE COMMUNICATIONS CANOPY PLAN.
3. SEE SHEETS E3-WST-ELE-SCH-461 AND E3-WST-ELE-SCH-462 FOR CONDUIT SCHEDULES.
4. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
5. ALL UNDERSLAB CONDUIT SHALL BE PVC, ALL CONDUIT ABOVE PLATFORM SURFACE SHALL BE GRS.
6. CONDUIT ROUTING SHOWN DIAGRAMMATICALLY.
7. TVMs, RSVs, SPEAKERS, ETEL AND COMMUNICATION CABINET TO BE PROVIDED BY OTHERS; SHOWN FOR REFERENCE ONLY.

KEYNOTES:

1.



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METROPOLITAN COUNCIL

SOUTHWEST
Green Line LRT Extension

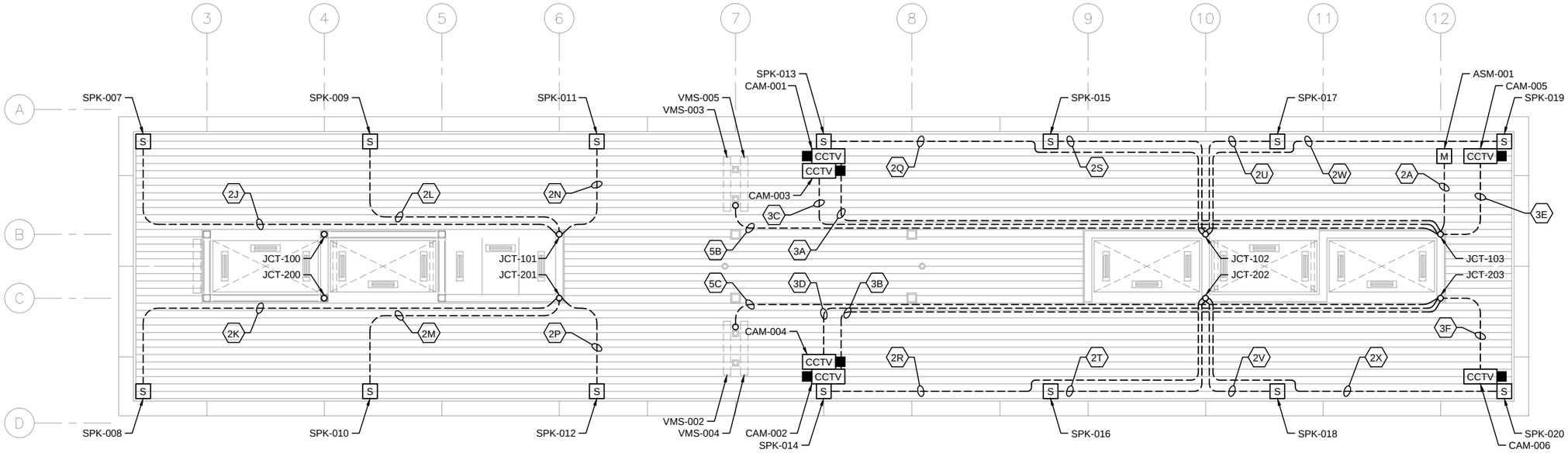
CIVIL - VOLUME 11C
WEST LAKE STATION
COMMUNICATIONS
UNDERSLAB CONDUIT PLAN (2 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E3-WST-ELE-PLN-412

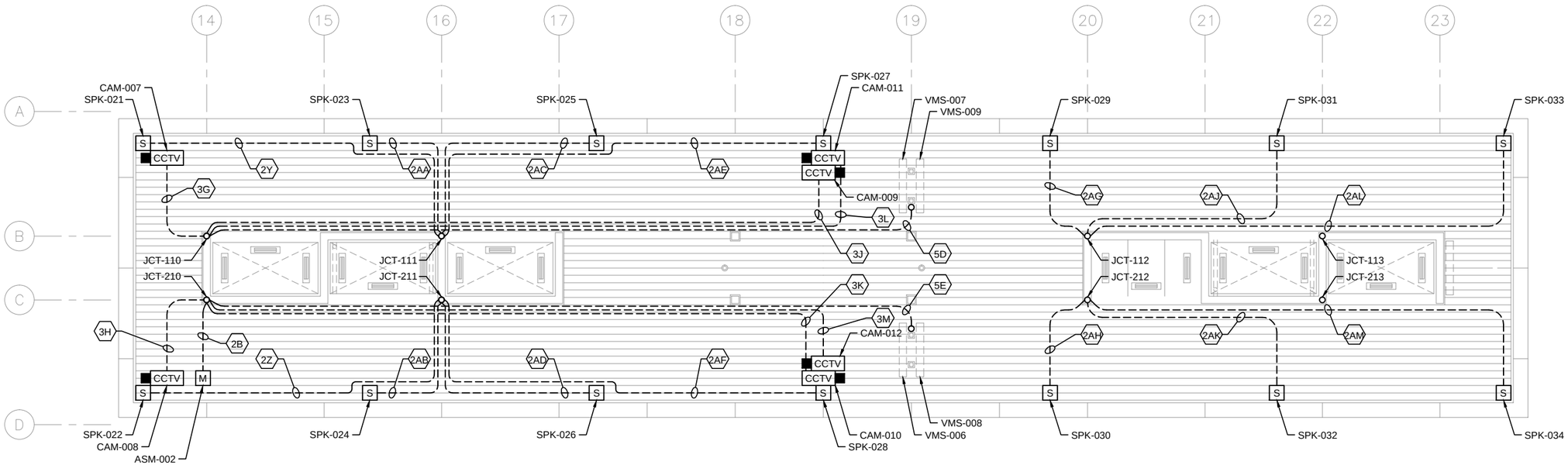
SHEET 494 OF 510

Jan, 18 2016 11:47 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-412.dwg By: FergTK



1 CANOPY PLAN – WEST

SCALE: 1/8"=1'–0"



2 CANOPY PLAN – EAST

SCALE: 1/8"=1'–0"

GENERAL NOTES:

1. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
2. SEE SHEETS E3-WST-ELE-SCH-461 AND E3-WST-ELE-SCH-462 FOR CONDUIT SCHEDULES.
3. ALL CONDUIT SHOWN SHALL BE GRS.
4. CONDUIT ROUTING SHOWN DIAGRAMMATICALLY.

KEYNOTES:

1.

0 2 4 8
HORIZONTAL SCALE IN FEET

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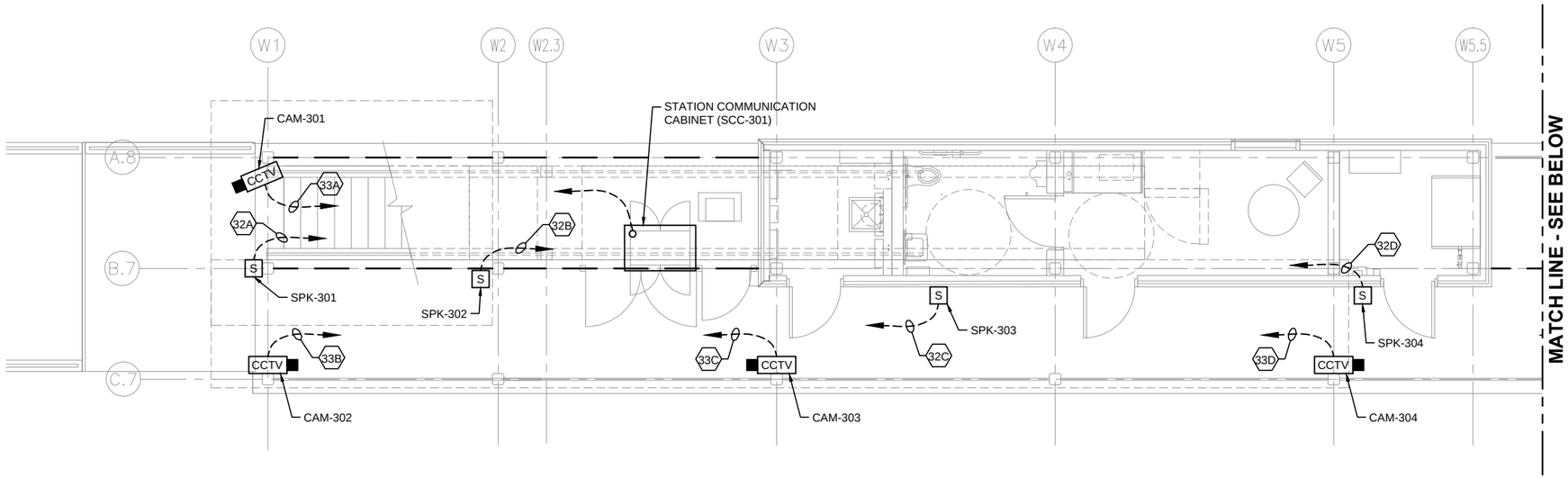
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
COMMUNICATIONS
CANOPY PLAN

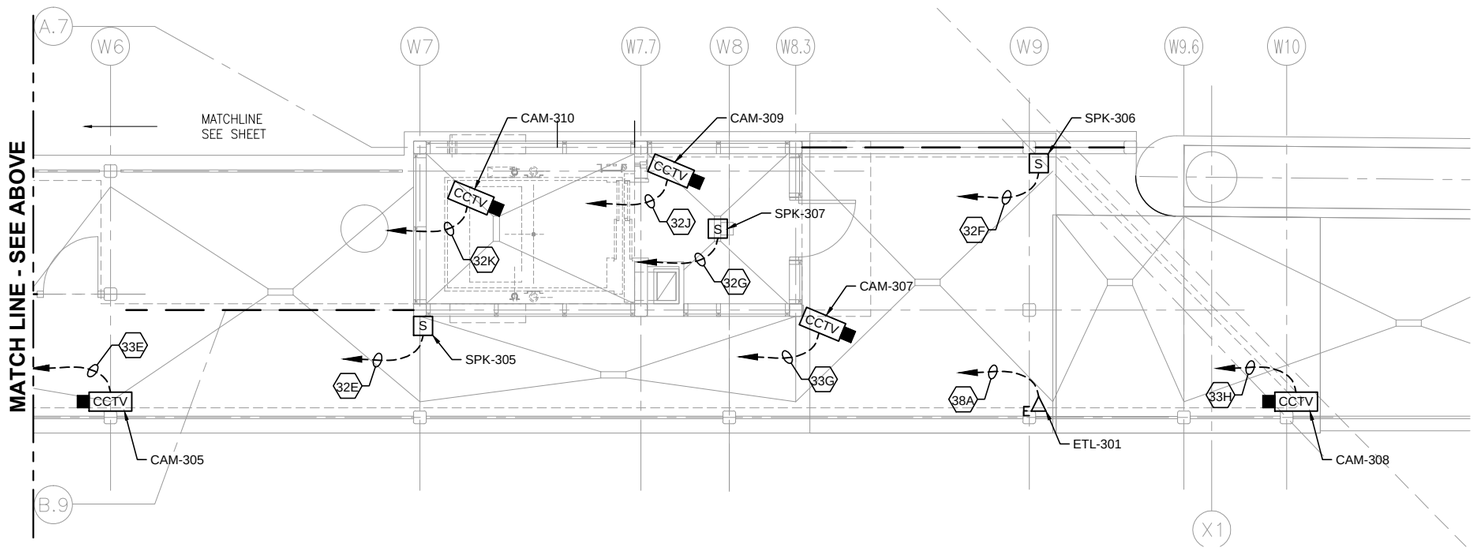
DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-PLN-421

SHEET 495 OF 510

Jan, 18 2016 11:48 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-421.dwg By: FergTK



1 VC PLATFORM LEVEL PARTIAL PLAN (WEST)
SCALE: 1/8"=1'-0"



2 VC PLATFORM LEVEL PARTIAL PLAN (WEST)
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. DASHED LINE WITH ARROWHEAD DENOTES HOME RUN TO SCC-301 UNLESS OTHERWISE NOTED.

KEYNOTES:

1.

0 2 4 8
HORIZONTAL SCALE IN FEET

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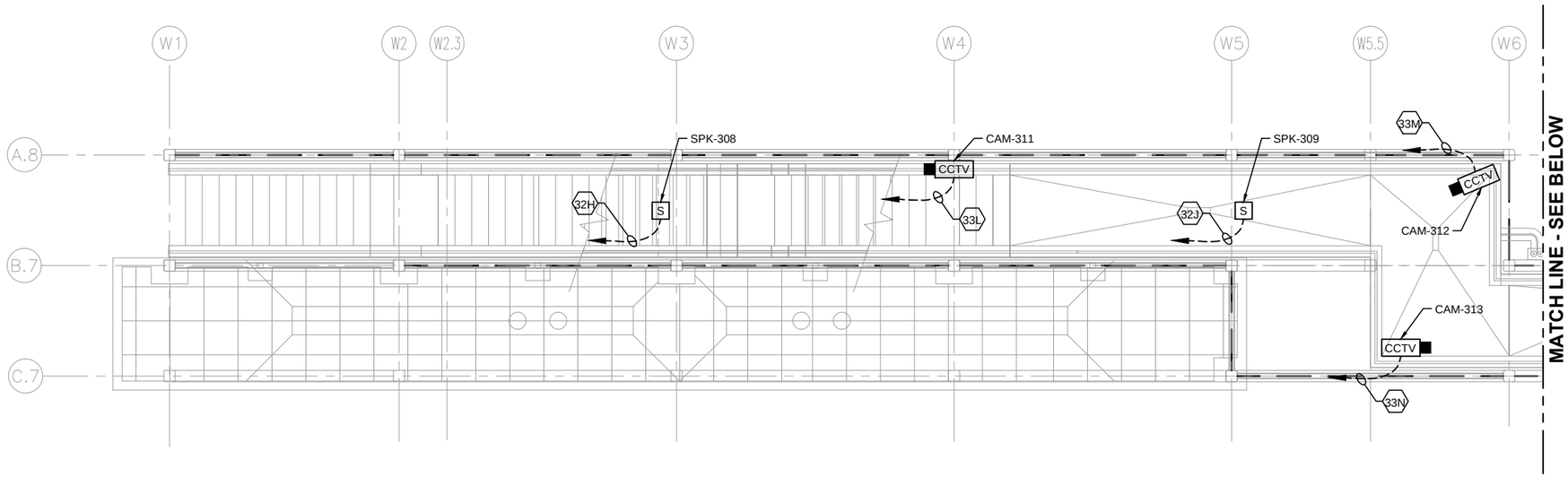
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
COMMUNICATIONS
VC PLATFORM LEVEL PLAN (WEST)

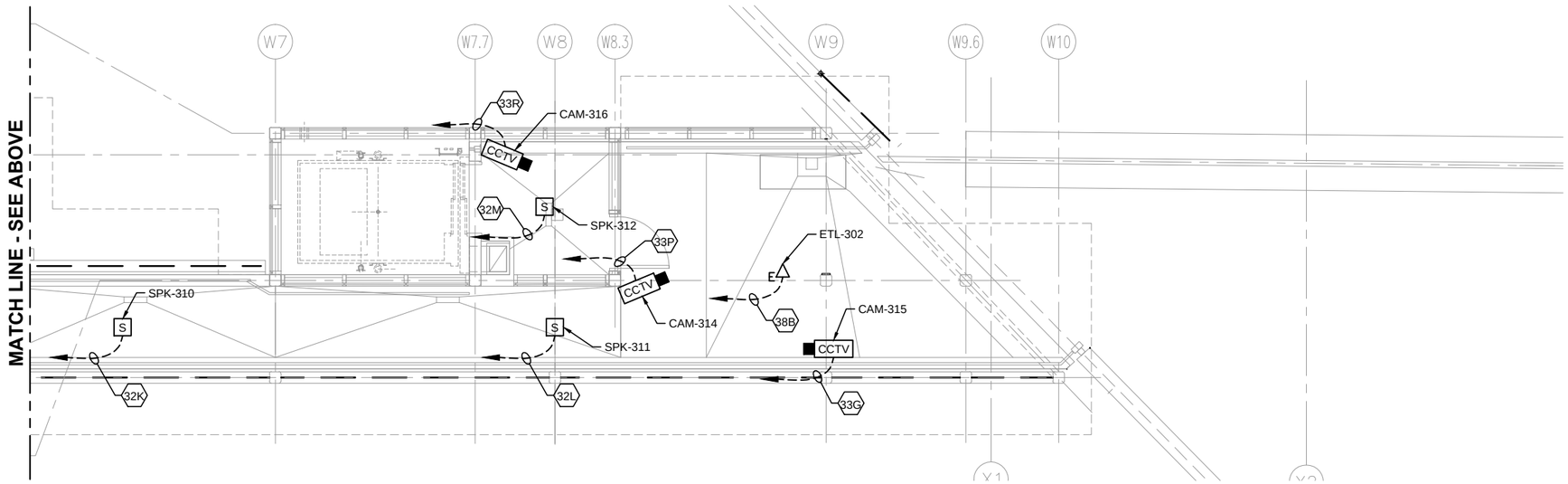
DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-PLN-431

SHEET 496 OF 510

Jan. 18 2016 11:48 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-431.dwg By: FergTK



1 VC BRIDGE LEVEL PLAN (WEST)
SCALE: 1/8"=1'-0"



1 VC BRIDGE LEVEL PLAN (WEST)
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. DASHED LINE WITH ARROWHEAD DENOTES HOME RUN TO SCC-301 UNLESS OTHERWISE NOTED.

KEYNOTES:

1.

0 2 4 8
HORIZONTAL SCALE IN FEET

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METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
COMMUNICATIONS
VC BRIDGE LEVEL PLAN (WEST)

DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-PLN-432

SHEET 497 OF 510

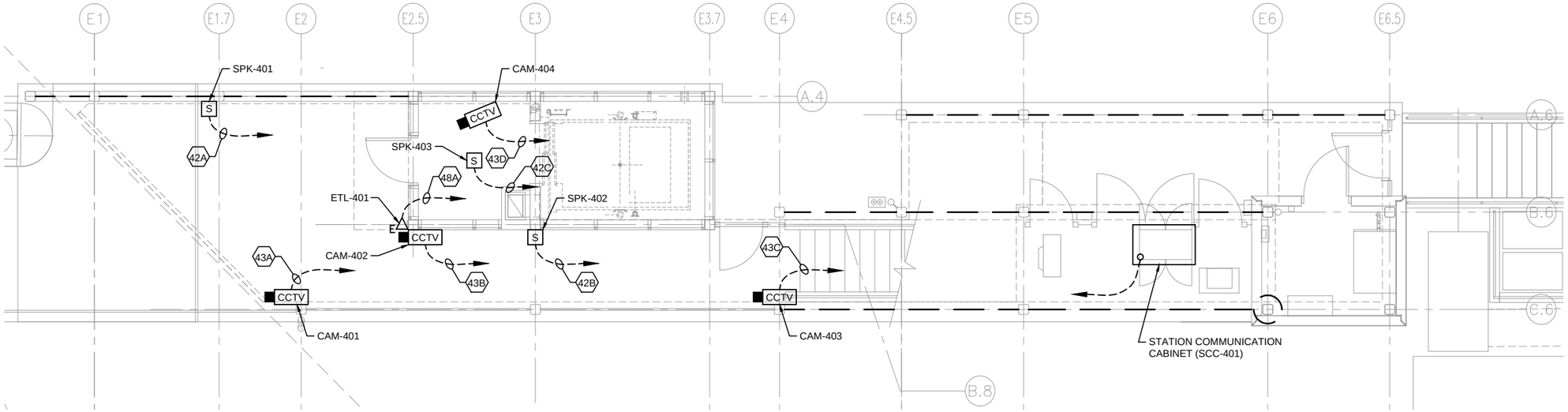
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GENERAL NOTES:

1. DASHED LINE WITH ARROWHEAD DENOTES HOME RUN TO SCC-401 UNLESS OTHERWISE NOTED.

KEYNOTES:

1.



1 VC PLATFORM LEVEL PARTIAL PLAN (EAST)

SCALE: 1/8"=1'-0"

0 2 4 8
HORIZONTAL SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

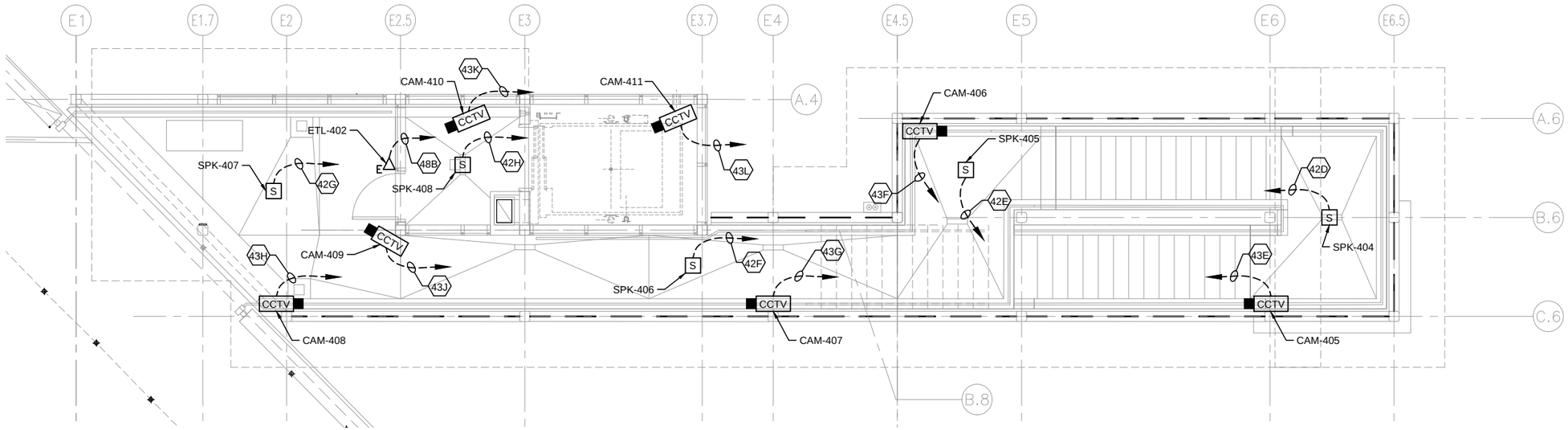
CIVIL - VOLUME 11C
WEST LAKE STATION
COMMUNICATIONS
VC PLATFORM LEVEL PLAN (EAST)

DISCIPLINE: ELECTRICAL

SHEET NAME: E3-WST-ELE-PLN-433

SHEET 498 OF 510

Jan, 18 2016 11:50 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-433.dwg By: FergTK



2 VC BRIDGE LEVEL PLAN (WEST)

SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. DASHED LINE WITH ARROWHEAD DENOTES HOME RUN TO SCC-401 UNLESS OTHERWISE NOTED.

KEYNOTES:

1.

0 2 4 8
HORIZONTAL SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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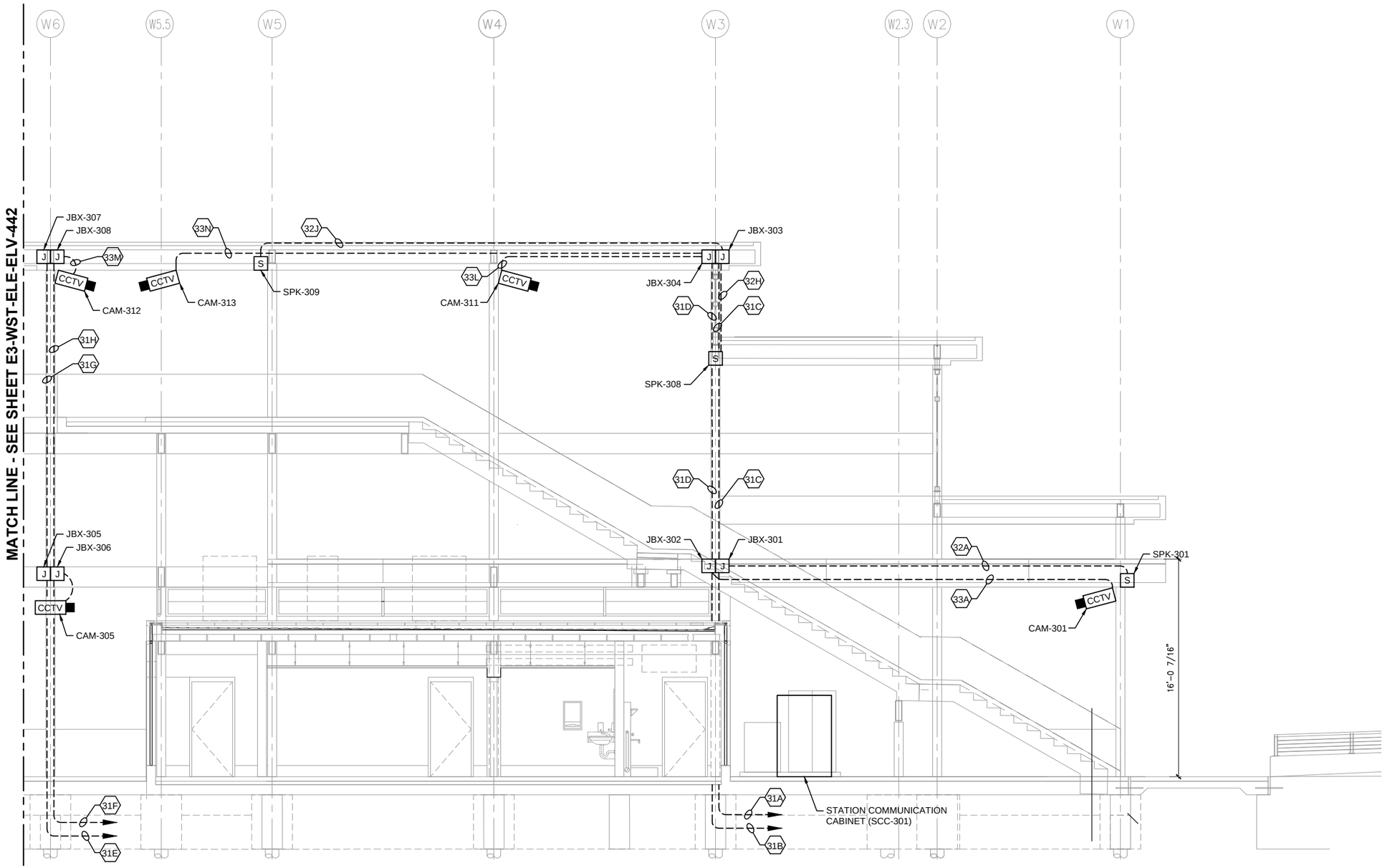
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
COMMUNICATIONS
VC BRIDGE LEVEL PLAN (EAST)

DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-PLN-434

SHEET 499 OF 510

Jan, 18 2016 11:51 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-434.dwg By: FergTK



1 TRACK 1 – PARTIAL VC ELEVATION (WEST)
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
2. SEE SHEETS E3-WST-ELE-SCH-461 AND E3-WST-ELE-SCH-462 FOR CONDUIT SCHEDULES.
3. ALL CONDUIT SHOWN SHALL BE GRS.
4. CONDUIT ROUTING SHOWN DIAGRAMMATICALLY.

KEYNOTES:

1.

0 2 4 8
HORIZONTAL SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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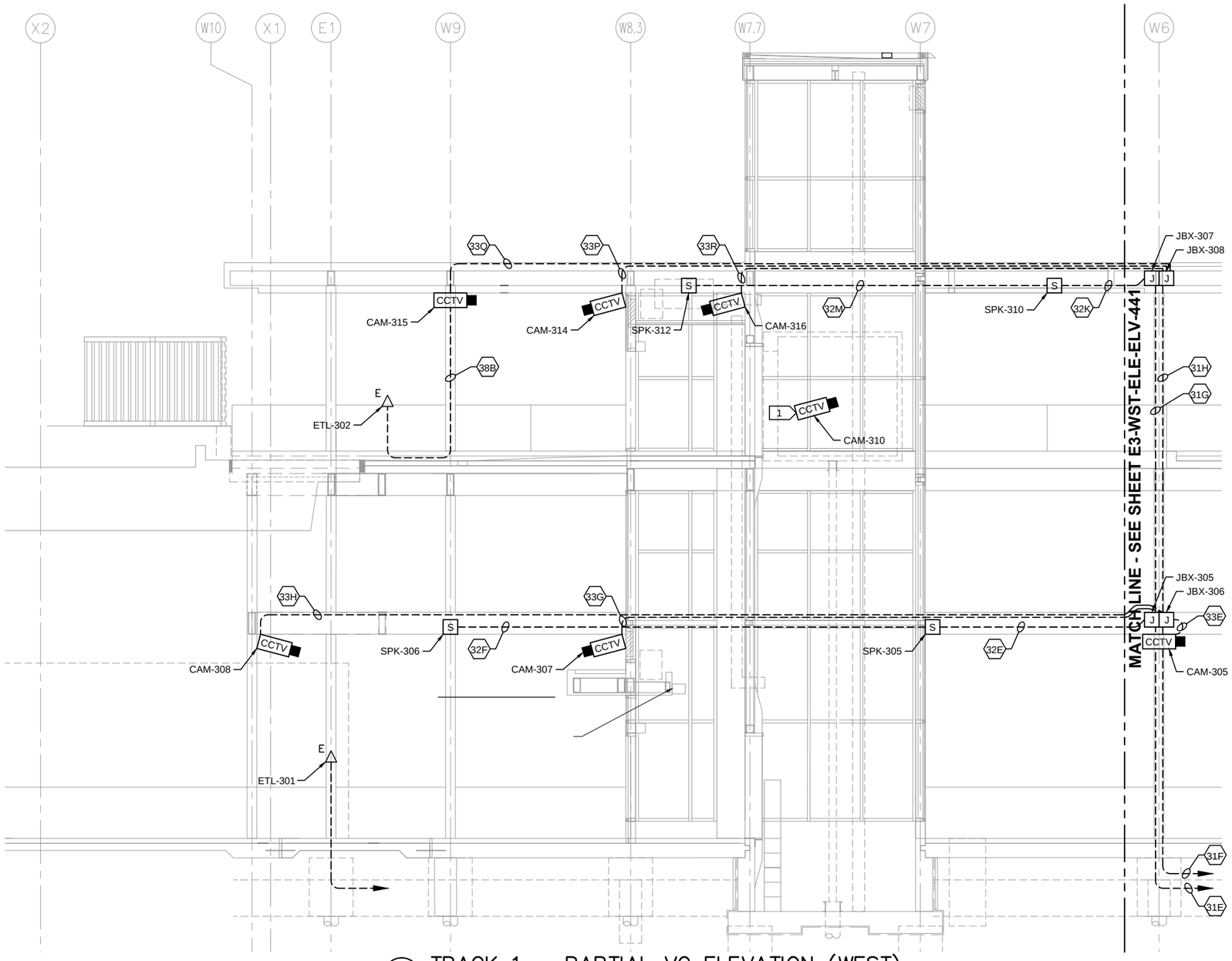
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
COMMUNICATIONS
VC TRACK 1 ELEVATION (WEST) (1 OF 2)

DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-ELV-441

SHEET 500 OF 510

Jan, 18 2016 11:51 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-ELV-441.dwg By: FergTK



1 TRACK 1 – PARTIAL VC ELEVATION (WEST)
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
2. SEE SHEETS E3-WST-ELE-SCH-461 AND E3-WST-ELE-SCH-462 FOR CONDUIT SCHEDULES.
3. ALL CONDUIT SHOWN SHALL BE GRS.
4. CONDUIT ROUTING SHOWN DIAGRAMMATICALLY.

KEYNOTES:

1. CAMERA TO BE INSTALLED IN ELEVATOR CAB BY OTHERS.

HORIZONTAL SCALE IN FEET
0 2 4 8

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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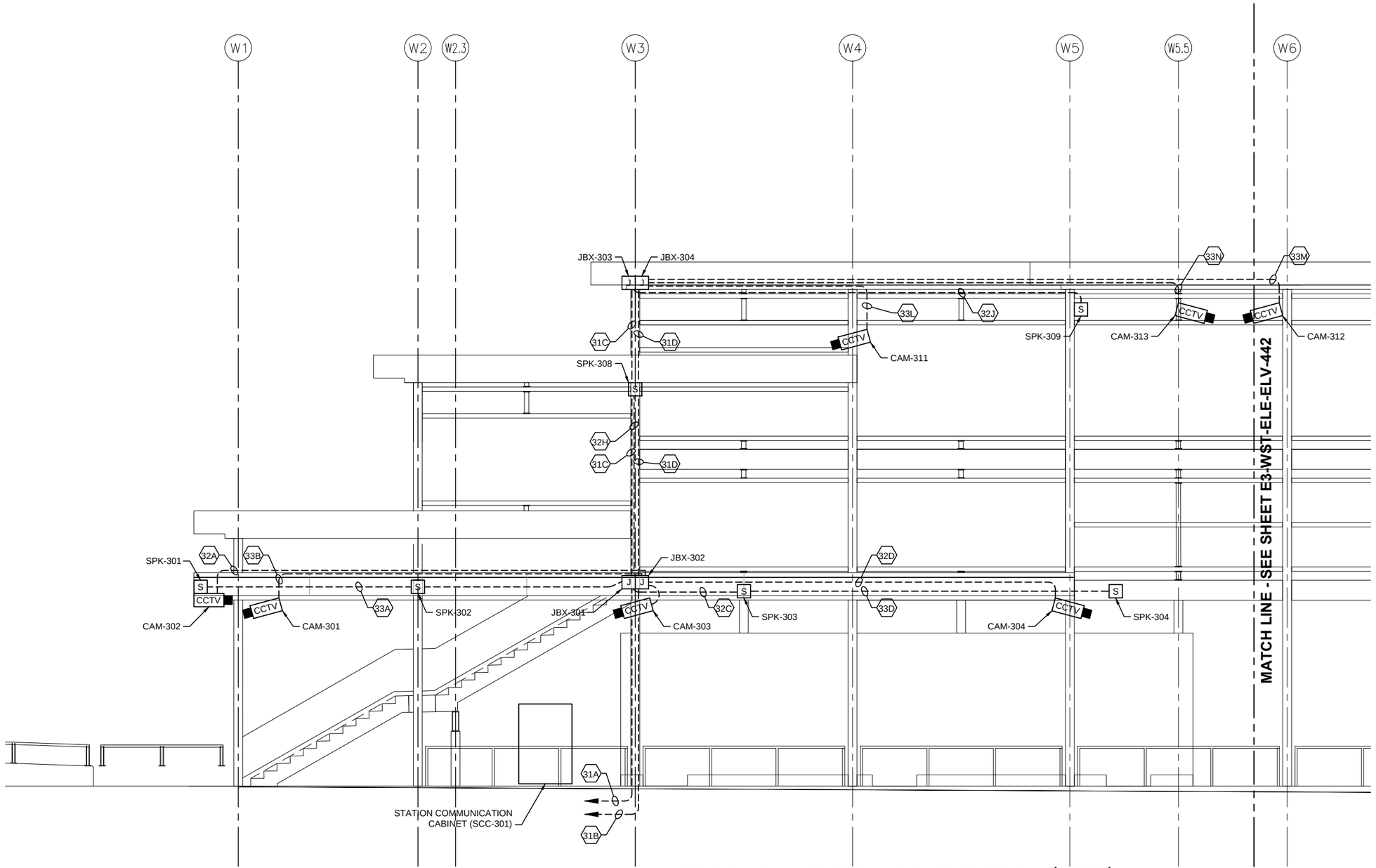
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
COMMUNICATIONS
VC TRACK 1 ELEVATION (WEST) (2 OF 2)

DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-ELV-442

SHEET 501 OF 510

Jan, 18 2016 11:52 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-ELV-442.dwg By: FergTK



1 TRACK 2 – PARTIAL VC ELEVATION (WEST)
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
2. SEE SHEETS E3-WST-ELE-SCH-461 AND E3-WST-ELE-SCH-462 FOR CONDUIT SCHEDULES.
3. ALL CONDUIT SHOWN SHALL BE GRS.
4. CONDUIT ROUTING SHOWN DIAGRAMMATICALLY.

KEYNOTES:

1.

0 2 4 8
HORIZONTAL SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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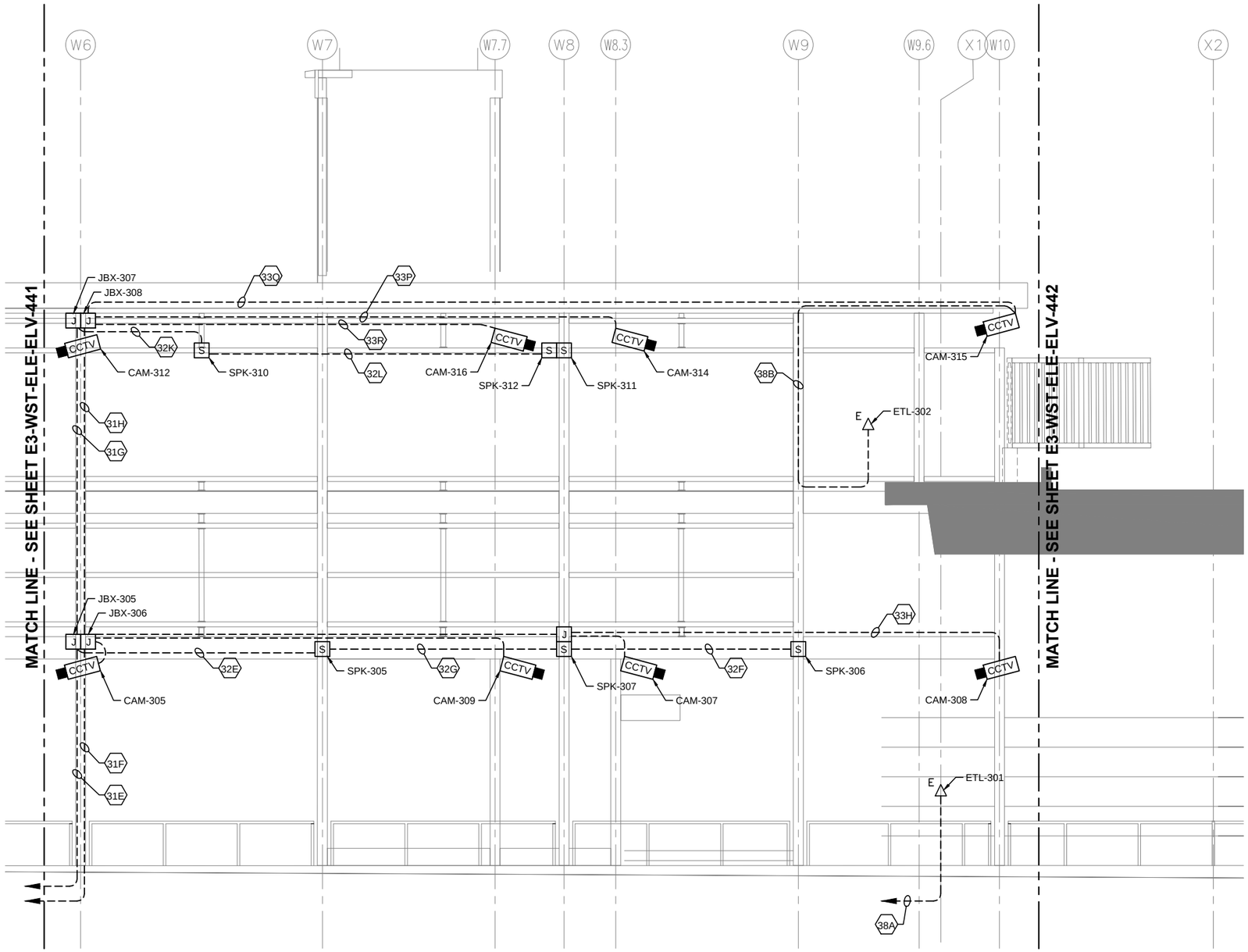
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
COMMUNICATIONS
VC TRACK 2 ELEVATION (WEST) (1 OF 2)

DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-ELV-443

SHEET 502 OF 510

Jan, 18 2016 11:52 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-ELV-443.dwg By: FergTK



1 TRACK 2 – PARTIAL VC ELEVATION (WEST)
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
2. SEE SHEETS E3-WST-ELE-SCH-461 AND E3-WST-ELE-SCH-462 FOR CONDUIT SCHEDULES.
3. ALL CONDUIT SHOWN SHALL BE GRS.
4. CONDUIT ROUTING SHOWN DIAGRAMMATICALLY.

KEYNOTES:

1.

0 2 4 8
HORIZONTAL SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM
M-P Consultants CONSULTING ENGINEERING MINNEAPOLIS • MINNESOTA

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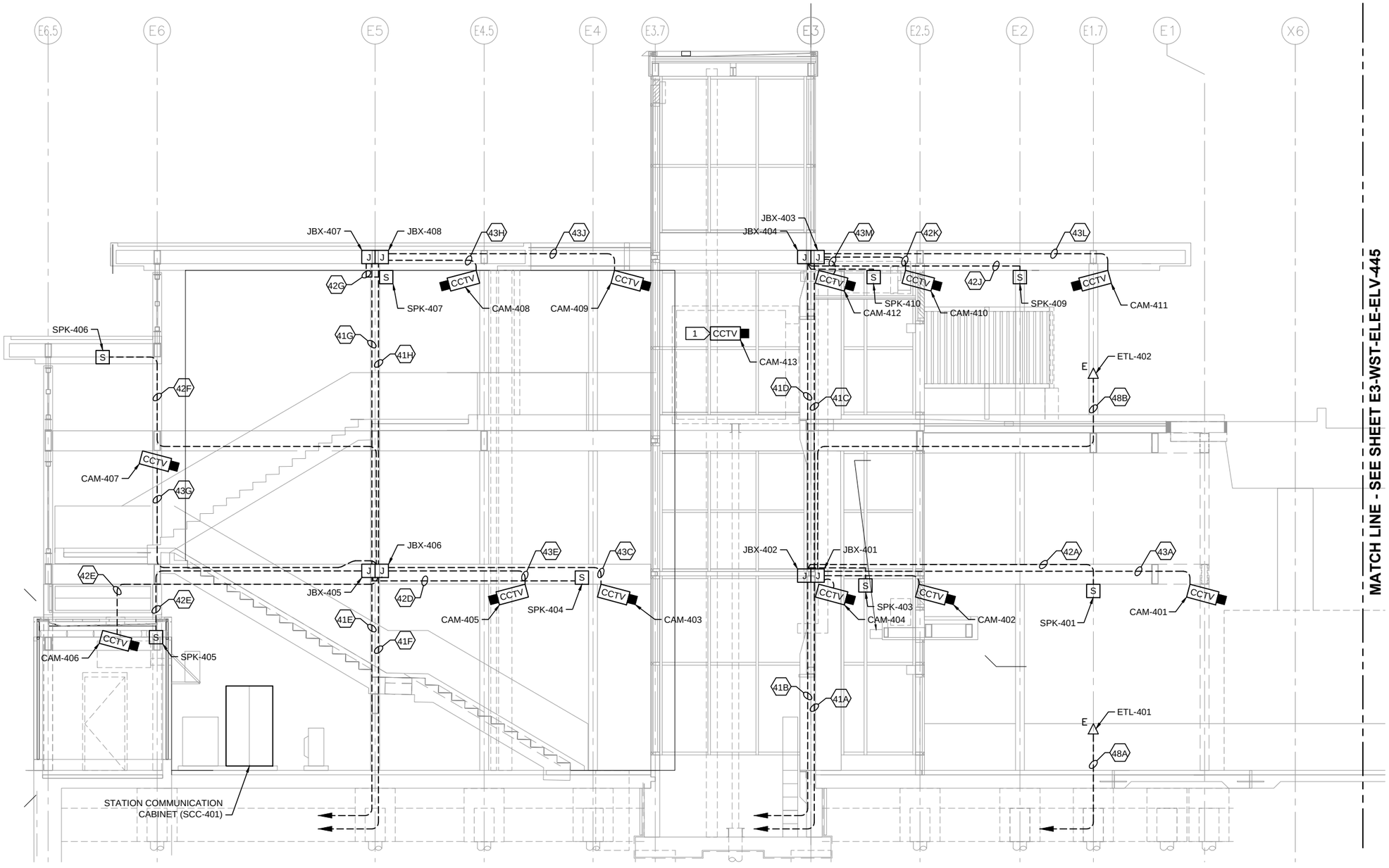
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
COMMUNICATIONS
VC TRACK 2 ELEVATION (WEST) (2 OF 2)

DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-ELV-444

SHEET 503 OF 510

Jan. 18 2016 11:53 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-ELV-444.dwg By: FergTK



1 TRACK 1 – PARTIAL VC ELEVATION (EAST)
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
2. SEE SHEETS E3-WST-ELE-SCH-461 AND E3-WST-ELE-SCH-462 FOR CONDUIT SCHEDULES.
3. ALL CONDUIT SHOWN SHALL BE GRS.
4. CONDUIT ROUTING SHOWN DIAGRAMMATICALLY.
5. DASHED LINE WITH ARROWHEAD INDICATES HOMERUN TO SCC-401.

KEYNOTES:

1. CAMERA TO BE INSTALLED IN ELEVATOR CAB BY OTHERS.

0 2 4 8
HORIZONTAL SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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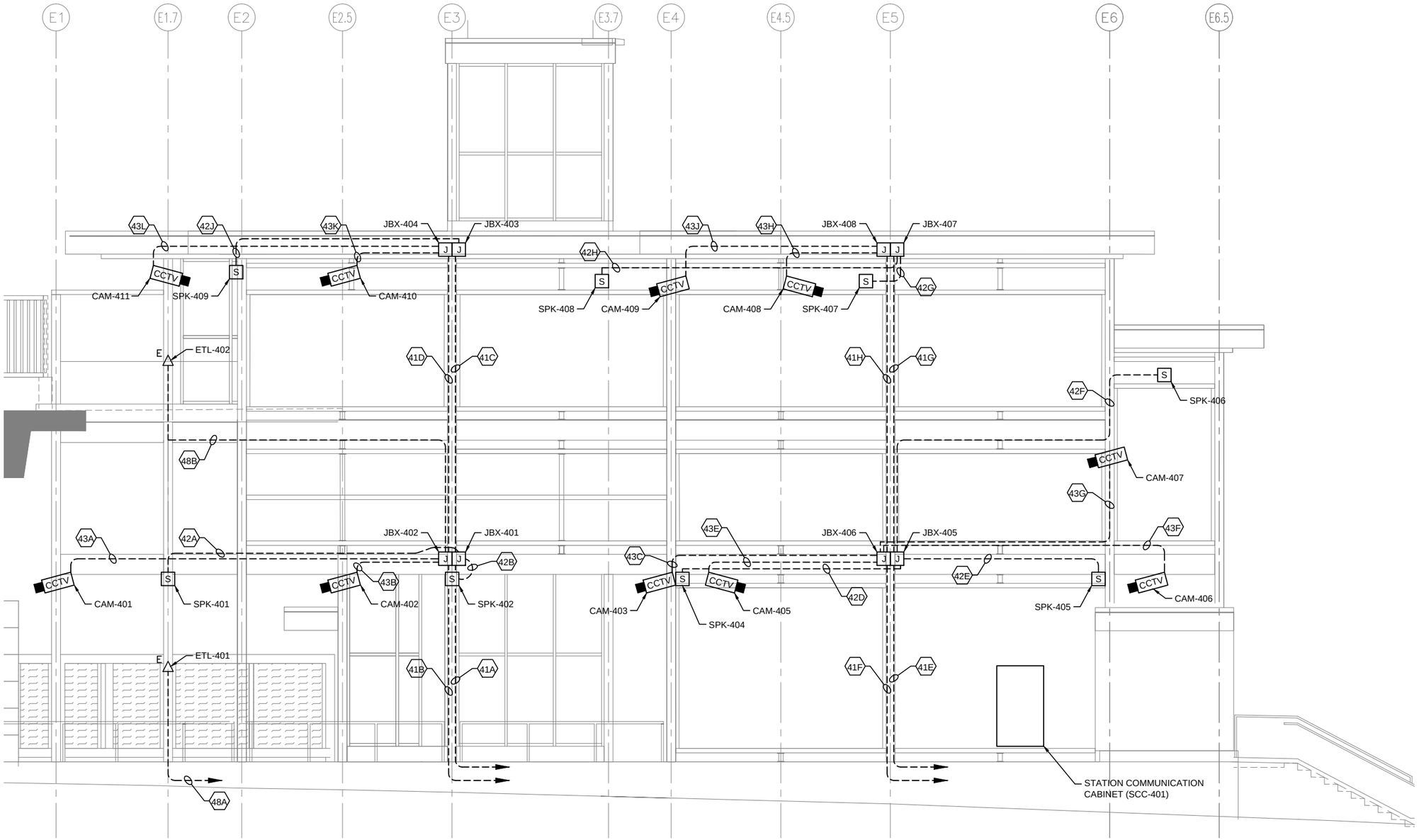
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
COMMUNICATIONS
VC TRACK 1 ELEVATION (EAST)

DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-ELV-445

SHEET 504 OF 510

Jan, 18 2016 11:54 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-ELV-445.dwg By: FergTK



1 TRACK 2 – VC ELEVATION (EAST)
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. ALL CONDUITS SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
2. SEE SHEETS E3-WST-ELE-SCH-461 AND E3-WST-ELE-SCH-462 FOR CONDUIT SCHEDULES.
3. ALL CONDUIT SHOWN SHALL BE GRS.
4. CONDUIT ROUTING SHOWN DIAGRAMMATICALLY.
5. DASHED LINE WITH ARROWHEAD INDICATES HOMERUN TO SCC-401.

KEYNOTES:

1.

0 2 4 8
HORIZONTAL SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM
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METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
COMMUNICATIONS
VC TRACK 2 ELEVATION (EAST)

DISCIPLINE: ELECTRICAL
SHEET NAME: E3-WST-ELE-ELV-446

SHEET 505 OF 510

Jan, 18 2016 11:55 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-ELV-446.dwg By: FergTK

GENERAL NOTES:

1. CONDUIT NUMBERS CORRELATE TO ⬡ NUMBERS ON PLAN SHEETS AND ELEVATIONS.
2. SEE PLAN AND ELEVATION SHEETS FOR LOCATIONS OF CONDUITS.

WEST LAKE STATION COMMUNICATION CONDUIT AND CABLE SCHEDULE

CONDUIT NO.	DEVICE ID	DESCRIPTION/USE	FROM	TO	CONDUIT SIZE
10A	WST -CON-0001	S/C HOUSE TO SCC-001	S/C MANHOLE	WST -SCC-001	3"
10B	WST -CON-0002	S/C HOUSE TO SCC-001	S/C MANHOLE	WST -SCC-001	3"
10C	WST -CON-0003	S/C HOUSE TO SCC-001	S/C MANHOLE	WST -SCC-001	3"
10D	WST -CON-0004	S/C HOUSE TO SCC-001	S/C MANHOLE	WST -SCC-001	3"
10E	WST -CON-0005	UPS POWER FEED: SCH TO SCC	WST -SCH-001	WST -SCC-001	3"
1A	WST -CON-0101	SCC TO JUNCTION 100	WST -SCC-001	WST -JCT-100	2"
1B	WST -CON-0102	SCC TO JUNCTION 200	WST -SCC-001	WST -JCT-200	2"
1C	WST -CON-0103	SCC TO JUNCTION 101	WST -SCC-001	WST -JCT-101	2"
1D	WST -CON-0104	SCC TO JUNCTION 201	WST -SCC-001	WST -JCT-201	2"
1E	WST -CON-0105	SCC TO JUNCTION 102	WST -SCC-001	WST -JCT-102	2"
1F	WST -CON-0106	SCC TO JUNCTION 202	WST -SCC-001	WST -JCT-202	2"
1G	WST -CON-0107	SCC TO JUNCTION 103	WST -SCC-001	WST -JCT-103	2"
1H	WST -CON-0108	SCC TO JUNCTION 203	WST -SCC-001	WST -JCT-203	2"
1J	WST -CON-0109	SCC TO JUNCTION 110	WST -SCC-001	WST -JCT-110	2"
1K	WST -CON-0110	SCC TO JUNCTION 210	WST -SCC-001	WST -JCT-210	2"
1L	WST -CON-0111	SCC TO JUNCTION 111	WST -SCC-001	WST -JCT-111	2"
1M	WST -CON-0112	SCC TO JUNCTION 211	WST -SCC-001	WST -JCT-211	2"
1N	WST -CON-0113	SCC TO JUNCTION 112	WST -SCC-001	WST -JCT-112	2"
1P	WST -CON-0114	SCC TO JUNCTION 212	WST -SCC-001	WST -JCT-212	2"
1Q	WST -CON-0115	SCC TO JUNCTION 113	WST -SCC-001	WST -JCT-113	2"
1R	WST -CON-0116	SCC TO JUNCTION 213	WST -SCC-001	WST -JCT-213	2"
2A	WST -CON-0201	MICROPHONE 1 - NOISE SENSING	WST -JCT-103	WST -ASM-001	1"
2B	WST -CON-0202	MICROPHONE 2 - NOISE SENSING	WST -JCT-210	WST -ASM-002	1"
2C	WST -CON-0203	SPEAKER 1 - POLE	WST -SCC-001	WST -SPK-001	1-1/2"
2D	WST -CON-0204	SPEAKER 2 - POLE	WST -SCC-001	WST -SPK-002	1-1/2"
2E	WST -CON-0205	SPEAKER 3 - POLE	WST -SCC-001	WST -SPK-003	1-1/2"
2F	WST -CON-0206	SPEAKER 4 - POLE	WST -SCC-001	WST -SPK-004	1-1/2"
2G	WST -CON-0207	SPEAKER 5 - POLE	WST -SPK-003	WST -SPK-005	1-1/2"
2H	WST -CON-0208	SPEAKER 6 - POLE	WST -SPK-004	WST -SPK-006	1-1/2"
2J	WST -CON-0209	SPEAKER 7 - CANOPY	WST -JCT-101	WST -SPK-007	1"
2K	WST -CON-0210	SPEAKER 8 - CANOPY	WST -JCT-201	WST -SPK-008	1"
2L	WST -CON-0211	SPEAKER 9 - CANOPY	WST -JCT-101	WST -SPK-009	1"
2M	WST -CON-0212	SPEAKER 10 - CANOPY	WST -JCT-201	WST -SPK-010	1"
2N	WST -CON-0213	SPEAKER 11 - CANOPY	WST -JCT-101	WST -SPK-011	1"
2P	WST -CON-0214	SPEAKER 12 - CANOPY	WST -JCT-201	WST -SPK-012	1"
2Q	WST -CON-0215	SPEAKER 13 - CANOPY	WST -JCT-102	WST -SPK-013	1"
2R	WST -CON-0216	SPEAKER 14 - CANOPY	WST -JCT-202	WST -SPK-014	1"
2S	WST -CON-0217	SPEAKER 15 - CANOPY	WST -JCT-102	WST -SPK-015	1"
2T	WST -CON-0218	SPEAKER 16 - CANOPY	WST -JCT-202	WST -SPK-016	1"
2U	WST -CON-0219	SPEAKER 17 - CANOPY	WST -JCT-102	WST -SPK-017	1"
2V	WST -CON-0220	SPEAKER 18 - CANOPY	WST -JCT-202	WST -SPK-018	1"
2W	WST -CON-0221	SPEAKER 19 - CANOPY	WST -JCT-102	WST -SPK-019	1"
2X	WST -CON-0222	SPEAKER 20 - CANOPY	WST -JCT-202	WST -SPK-020	1"
2Y	WST -CON-0223	SPEAKER 21 - CANOPY	WST -JCT-111	WST -SPK-021	1"
2Z	WST -CON-0224	SPEAKER 22 - CANOPY	WST -JCT-211	WST -SPK-022	1"
2AA	WST -CON-0225	SPEAKER 23 - CANOPY	WST -JCT-111	WST -SPK-023	1"
2AB	WST -CON-0226	SPEAKER 24 - CANOPY	WST -JCT-211	WST -SPK-024	1"
2AC	WST -CON-0227	SPEAKER 25 - CANOPY	WST -JCT-111	WST -SPK-025	1"
2AD	WST -CON-0228	SPEAKER 26 - CANOPY	WST -JCT-211	WST -SPK-026	1"
2AE	WST -CON-0229	SPEAKER 27 - CANOPY	WST -JCT-111	WST -SPK-027	1"
2AF	WST -CON-0230	SPEAKER 28 - CANOPY	WST -JCT-211	WST -SPK-028	1"
2AG	WST -CON-0231	SPEAKER 29 - CANOPY	WST -JCT-112	WST -SPK-029	1"
2AH	WST -CON-0232	SPEAKER 30 - CANOPY	WST -JCT-212	WST -SPK-030	1"
2AJ	WST -CON-0233	SPEAKER 31 - CANOPY	WST -JCT-112	WST -SPK-031	1"
2AK	WST -CON-0234	SPEAKER 32 - CANOPY	WST -JCT-212	WST -SPK-032	1"
2AL	WST -CON-0235	SPEAKER 33 - CANOPY	WST -JCT-112	WST -SPK-033	1"
2AM	WST -CON-0236	SPEAKER 34 - CANOPY	WST -JCT-212	WST -SPK-034	1"

WEST LAKE STATION COMMUNICATION CONDUIT AND CABLE SCHEDULE

CONDUIT NO.	DEVICE ID	DESCRIPTION/USE	FROM	TO	CONDUIT SIZE
3A	WST -CON-0301	CAMERA 1	WST -JCT-103	WST CAM-001	1"
3B	WST -CON-0302	CAMERA 2	WST -JCT-203	WST CAM-002	1"
3C	WST -CON-0303	CAMERA 3	WST -JCT-103	WST CAM-003	1"
3D	WST -CON-0304	CAMERA 4	WST -JCT-203	WST CAM-004	1"
3E	WST -CON-0305	CAMERA 5	WST -JCT-103	WST CAM-005	1"
3F	WST -CON-0306	CAMERA 6	WST -JCT-203	WST CAM-006	1"
3G	WST -CON-0307	CAMERA 7	WST -JCT-110	WST CAM-007	1"
3H	WST -CON-0308	CAMERA 8	WST -JCT-210	WST CAM-008	1"
3J	WST -CON-0309	CAMERA 9	WST -JCT-110	WST CAM-009	1"
3K	WST -CON-0310	CAMERA 10	WST -JCT-210	WST CAM-010	1"
3L	WST -CON-0311	CAMERA 11	WST -JCT-110	WST CAM-011	1"
3M	WST -CON-0312	CAMERA 12	WST -JCT-210	WST CAM-012	1"
4A	WST -CON-0401	KIOSK 1 (F)	WST -SCC-001	WST -KSK-001	2"
4B	WST -CON-0402	KIOSK 2 (F)	WST -SCC-001	WST -KSK-002	2"
5A	WST -CON-0501	VMS 1 (F)	WST -SCC-001	WST -VMS-001	1"
5B	WST -CON-0502	VMS 2, VMS 3	WST -SCC-001	WST -VMS-002, -VMS-003	1-1/2"
5C	WST -CON-0503	VMS 4, VMS 5	WST -SCC-001	WST -VMS-004, -VMS-005	1-1/2"
5D	WST -CON-0504	VMS 6, VMS 7	WST -SCC-001	WST -VMS-006, -VMS-007	1-1/2"
5E	WST -CON-0505	VMS 8, VMS 9	WST -SCC-001	WST -VMS-008, -VMS-009	1-1/2"
5F	WST -CON-0506	VMS 10 (F)	WST -SCC-001	WST -VMS-010	1"
6A	WST -CON-0601	TVM 1	WST -SCC-001	WST -TVM-001	2"
6B	WST -CON-0602	TVM 2	WST -SCC-001	WST -TVM-002	2"
7A	WST -CON-0701	VALIDATOR 1	WST -SCC-001	WST -RSV-001	1-1/2"
7B	WST -CON-0702	VALIDATOR 2	WST -SCC-001	WST -RSV-002	1-1/2"
7C	WST -CON-0703	VALIDATOR 3	WST -SCC-001	WST -RSV-003	1-1/2"
7D	WST -CON-0704	VALIDATOR 4	WST -SCC-001	WST -RSV-004	1-1/2"
8A	WST -CON-0801	EMERGENCY TELEPHONE 1 - PHONE	WST -SCC-001	WST -ETL-001	1-1/2"
8B	WST -CON-0802	EMERGENCY TELEPHONE 1 - BEACON LIGHT 1	WST -ETL-001	WST -ETB-001	1"
8C	WST -CON-0803	EMERGENCY TELEPHONE 1 - BEACON LIGHT 2	WST -ETL-001	WST -ETB-002	1"
9A	WST -CON-0901	STATION ELECTRICAL CABINET	WST -SCC-001	WST -SEC-001	2"

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST
Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION COMMUNICATIONS CONDUIT SCHEDULE (1 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E3-WST-ELE-SCH-461

SHEET 506 OF 510

Jan, 18 2016 11:55 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-SCH-461.dwg By: FergTK

GENERAL NOTES:

1. CONDUIT NUMBERS CORRELATE TO ⬡ NUMBERS ON PLAN SHEETS AND ELEVATIONS.
2. SEE PLAN AND ELEVATION SHEETS FOR LOCATIONS OF CONDUITS.

WEST LAKE - WEST VERTICAL CIRCULATION COMMUNICATION CONDUIT AND CABLE SCHEDULE

CONDUIT NO.	DEVICE ID	DESCRIPTION/USE	FROM	TO	CONDUIT SIZE
30A	WST -CON-3001	SCC-001 TO SCC-301	WST -SCC-001	WST -SCC-301	3"
30B	WST -CON-3002	SCC-001 TO SCC-301	WST -SCC-001	WST -SCC-301	3"
31A	WST -CON-3101	SCC-301 TO JBX-301	WST -SCC-301	WST -JBX-301	2"
31B	WST -CON-3102	SCC-301 TO JBX-302	WST -SCC-301	WST -JBX-302	2"
31C	WST -CON-3103	JBX-301 TO JBX-303	WST -JBX-301	WST -JBX-303	2"
31D	WST -CON-3104	JBX-302 TO JBX-304	WST -JBX-302	WST -JBX-304	2"
31E	WST -CON-3105	SCC-301 TO JBX-305	WST -SCC-301	WST -JBX-305	2"
31F	WST -CON-3106	SCC-301 TO JBX-306	WST -SCC-301	WST -JBX-306	2"
31G	WST -CON-3107	JBX-305 TO JBX-307	WST -JBX-305	WST -JBX-307	2"
31H	WST -CON-3108	JBX-306 TO JBX-308	WST -JBX-306	WST -JBX-308	2"
32A	WST -CON-3201	SPEAKER 301	WST -JBX-301	WST -SPK-301	1"
32B	WST -CON-3202	SPEAKER 302	WST -JBX-301	WST -SPK-302	1"
32C	WST -CON-3203	SPEAKER 303	WST -JBX-301	WST -SPK-303	1"
32D	WST -CON-3204	SPEAKER 304	WST -JBX-301	WST -SPK-304	1"
32E	WST -CON-3205	SPEAKER 305	WST -JBX-305	WST -SPK-305	1"
32F	WST -CON-3206	SPEAKER 306	WST -JBX-305	WST -SPK-306	1"
32G	WST -CON-3207	SPEAKER 307	WST -JBX-305	WST -SPK-307	1"
32H	WST -CON-3208	SPEAKER 308	WST -JBX-303	WST -SPK-308	1"
32J	WST -CON-3209	SPEAKER 309	WST -JBX-303	WST -SPK-309	1"
32K	WST -CON-3210	SPEAKER 310	WST -JBX-307	WST -SPK-310	1"
32L	WST -CON-3211	SPEAKER 311	WST -JBX-307	WST -SPK-311	1"
32M	WST -CON-3212	SPEAKER 312	WST -JBX-307	WST -SPK-312	1"
33A	WST -CON-3301	CAMERA 301	WST -JBX-302	WST -CAM-301	1"
33B	WST -CON-3302	CAMERA 302	WST -JBX-302	WST -CAM-302	1"
33C	WST -CON-3303	CAMERA 303	WST -JBX-302	WST -CAM-303	1"
33D	WST -CON-3304	CAMERA 304	WST -JBX-302	WST -CAM-304	1"
33E	WST -CON-3305	CAMERA 305	WST -JBX-306	WST -CAM-305	1"
33F	WST -CON-3306	CAMERA 306	WST -JBX-306	WST -CAM-306	1"
33G	WST -CON-3307	CAMERA 307	WST -JBX-306	WST -CAM-307	1"
33H	WST -CON-3308	CAMERA 308	WST -JBX-306	WST -CAM-308	1"
33J	WST -CON-3309	CAMERA 309	WST -JBX-306	WST -CAM-309	1"
33K	WST -CON-3310	CAMERA 310	WST -ITC-301	WST -CAM-310	1"
33L	WST -CON-3311	CAMERA 311	WST -JBX-304	WST -CAM-311	1"
33M	WST -CON-3312	CAMERA 312	WST -JBX-308	WST -CAM-312	1"
33N	WST -CON-3313	CAMERA 313	WST -JBX-304	WST -CAM-313	1"
33P	WST -CON-3314	CAMERA 314	WST -JBX-308	WST -CAM-314	1"
33Q	WST -CON-3315	CAMERA 315	WST -JBX-308	WST -CAM-315	1"
33R	WST -CON-3316	CAMERA 316	WST -JBX-308	WST -CAM-316	1"
38A	WST -CON-3801	EMERGENCY TELEPHONE 301 - PHONE	WST -SCC-301	WST -ETL-301	1-1/2"
38B	WST -CON-3802	EMERGENCY TELEPHONE 301 - BEACON LIGHT	WST -ETL-301	WST -ETB-301	1"
38C	WST -CON-3803	EMERGENCY TELEPHONE 302 - PHONE	WST -JBX-306	WST -ETL-302	1-1/2"
38D	WST -CON-3804	EMERGENCY TELEPHONE 302 - BEACON LIGHT	WST -ETL-302	WST -ETB-302	1"

WEST LAKE - EAST VERTICAL CIRCULATION COMMUNICATION CONDUIT AND CABLE SCHEDULE

CONDUIT NO.	DEVICE ID	DESCRIPTION/USE	FROM	TO	CONDUIT SIZE
40A	WST -CON-4001	SCC-001 TO SCC-401	WST -SCC-001	WST -SCC-401	3"
40B	WST -CON-4002	SCC-001 TO SCC-401	WST -SCC-001	WST -SCC-401	3"
41A	WST -CON-4101	SCC-401 TO JBX-401	WST -SCC-401	WST -JBX-401	2"
41B	WST -CON-4102	SCC-401 TO JBX-402	WST -SCC-401	WST -JBX-402	2"
41C	WST -CON-4103	JBX-401 TO JBX-403	WST -JBX-401	WST -JBX-403	2"
41D	WST -CON-4104	JBX-402 TO JBX-404	WST -JBX-402	WST -JBX-404	2"
41E	WST -CON-4105	SCC-401 TO JBX-405	WST -SCC-401	WST -JBX-405	2"
41F	WST -CON-4106	SCC-401 TO JBX-406	WST -SCC-401	WST -JBX-406	2"
41G	WST -CON-4107	JBX-405 TO JBX-407	WST -JBX-405	WST -JBX-407	2"
41H	WST -CON-4108	JBX-406 TO JBX-408	WST -JBX-406	WST -JBX-408	2"
42A	WST -CON-4201	SPEAKER 401	WST -JBX-401	WST -SPK-401	1"
42B	WST -CON-4202	SPEAKER 402	WST -JBX-401	WST -SPK-402	1"
42C	WST -CON-4203	SPEAKER 403	WST -JBX-401	WST -SPK-403	1"
42D	WST -CON-4204	SPEAKER 404	WST -JBX-405	WST -SPK-404	1"
42E	WST -CON-4205	SPEAKER 405	WST -JBX-405	WST -SPK-405	1"
42F	WST -CON-4206	SPEAKER 406	WST -JBX-405	WST -SPK-406	1"
42G	WST -CON-4207	SPEAKER 407	WST -JBX-407	WST -SPK-407	1"
42H	WST -CON-4208	SPEAKER 408	WST -JBX-407	WST -SPK-408	1"
42J	WST -CON-4209	SPEAKER 409	WST -JBX-403	WST -SPK-409	1"
43A	WST -CON-4301	CAMERA 401	WST -JBX-402	WST -CAM-401	1"
43B	WST -CON-4302	CAMERA 402	WST -JBX-402	WST -CAM-402	1"
43C	WST -CON-4303	CAMERA 403	WST -JBX-406	WST -CAM-403	1"
43D	WST -CON-4304	CAMERA 404	WST -JBX-402	WST -CAM-404	1"
43E	WST -CON-4305	CAMERA 405	WST -JBX-406	WST -CAM-405	1"
43F	WST -CON-4306	CAMERA 406	WST -JBX-406	WST -CAM-406	1"
43G	WST -CON-4307	CAMERA 407	WST -JBX-406	WST -CAM-407	1"
43H	WST -CON-4308	CAMERA 408	WST -JBX-408	WST -CAM-408	1"
43J	WST -CON-4309	CAMERA 409	WST -JBX-408	WST -CAM-409	1"
43K	WST -CON-4310	CAMERA 410	WST -JBX-404	WST -CAM-410	1"
43M	WST -CON-4311	CAMERA 411	WST -JBX-404	WST -CAM-411	1"
43N	WST -CON-4312	CAMERA 412	WST -JBX-405	WST -CAM-412	1"
43P	WST -CON-4313	CAMERA 413	WST -ITC-401	WST -CAM-413	1"
48A	WST -CON-4801	EMERGENCY TELEPHONE 401 - PHONE	WST -SCC-401	WST -ETL-401	1-1/2"
48C	WST -CON-4802	EMERGENCY TELEPHONE 401 - BEACON LIGHT	WST -ETL-401	WST -ETB-401	1"
48B	WST -CON-4803	EMERGENCY TELEPHONE 402 - PHONE	WST -JBX-402	WST -ETL-402	1-1/2"
48D	WST -CON-4804	EMERGENCY TELEPHONE 402 - BEACON LIGHT	WST -ETL-402	WST -ETB-402	1"

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM MP Consultants CONSULTING ENGINEERING MINNEAPOLIS • MINNESOTA

90% SUBMISSION - 01/22/16

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION COMMUNICATIONS CONDUIT SCHEDULE (2 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E3-WST-ELE-SCH-462

SHEET 507 OF 510

Jan, 18 2016 11:55 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-SCH-462.dwg By: FergTK

WEST LAKE CONDUIT AND WIRE SCHEDULE

CONDUIT NUMBER	SIZE	WIRE	FROM	TO	REMARKS	NOTES
1	1"	2#8, 1#10G	HEATERS HTR-101, 102, 103	PANELBOARD LP1A	POWER TO HEATERS	
2	1"	2#8, 1#10G	HEATERS HTR-104, 105, 106	PANELBOARD LP1A	POWER TO HEATERS	
3	1"	2#8, 1#10G	HEATERS HTR-107, 108, 109	PANELBOARD LP1A	POWER TO HEATERS	
4	1"	2#8, 1#10G	HEATERS HTR-110, 111, 112	PANELBOARD LP1A	POWER TO HEATERS	
5	1"	2#8, 1#10G	HEATERS HTR-113, 114, 115	PANELBOARD LP1A	POWER TO HEATERS	
6	1"	2#8, 1#10G	HEATERS HTR-116, 117, 118	PANELBOARD LP1A	POWER TO HEATERS	
7	1"	2#8, 1#10G	HEATERS HTR-119, 120, 121	PANELBOARD LP1A	POWER TO HEATERS	
8	1"	2#8, 1#10G	HEATERS HTR-122, 123, 124	PANELBOARD LP1A	POWER TO HEATERS	
9	1"	2#8, 1#10G	HEATERS HTR-125, 126, 127	PANELBOARD LP1A	POWER TO HEATERS	
10	1"	2#8, 1#10G	HEATERS HTR-128, 129, 130	PANELBOARD LP1A	POWER TO HEATERS	
11	1"	2#8, 1#10G	HEATERS HTR-131, 132, 133	PANELBOARD LP1A	POWER TO HEATERS	
12	1"	2#8, 1#10G	HEATERS HTR-134, 135, 136	PANELBOARD LP1A	POWER TO HEATERS	
13	1"	2#14, 1#14G	HPB-101	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
14	1"	2#14, 1#14G	HPB-102	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
15	1"	2#14, 1#14G	HPB-103	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
16	1"	2#14, 1#14G	HPB-104	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
17	1"	2#14, 1#14G	HPB-105	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
18	1"	2#14, 1#14G	HPB-106	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
19	1"	2#14, 1#14G	HPB-107	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
20	1"	2#14, 1#14G	HPB-108	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
21	1"	2#14, 1#14G	HPB-109	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
22	1"	2#14, 1#14G	HPB-110	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
23	1"	2#14, 1#14G	HPB-111	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
24	1"	2#14, 1#14G	HPB-112	OFF DELAY TIME CIRCUIT	CONTROL FOR HEATERS	
25	1"	2#10, 1#10G	TVM-101	PANELBOARD LP1B	POWER TO TVM	
26	1"	2#10, 1#10G	TVM-102	PANELBOARD LP1B	POWER TO TVM	
27	1"	4#12, 2#12G	RSV-101, RSV-102	PANELBOARD LP1B	POWER TO RSVs	
28	1"	4#12, 2#12G	RSV-103, RSV-104	PANELBOARD LP1B	POWER TO RSVs	
29	1"	2#12, 1#12G	KSK-101	PANELBOARD LP1A	POWER TO KIOSK	
30	1"	2#12, 1#12G	KSK-102	PANELBOARD LP1A	POWER TO KIOSK	
31	1"	2#12, 1#12G	CANOPY LUMINAIRES	PANELBOARD LP1A	POWER TO LUMINAIRES	
32	1"	2#12, 1#12G	CANOPY LUMINAIRES	PANELBOARD LP1A	POWER TO LUMINAIRES	
33	1"	2#12, 1#12G	CANOPY LUMINAIRES	PANELBOARD LP1A	POWER TO LUMINAIRES	
34	1"	2#12, 1#12G	CANOPY LUMINAIRES	PANELBOARD LP1A	POWER TO LUMINAIRES	
35	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2
36	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2
37	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2
38	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2
39	1"	2#10, 1#10G	RAMP LIGHTING	PANELBOARD LP1A	POWER TO RAMP LIGHTING	
40	1"	2#10, 1#10G	RAMP LIGHTING	PANELBOARD LP1A	POWER TO RAMP LIGHTING	
41	1"	2#10, 1#10G	RAMP LIGHTING	PANELBOARD LP1A	POWER TO RAMP LIGHTING	
42	1"	2#10, 1#10G	RAMP LIGHTING	PANELBOARD LP1A	POWER TO RAMP LIGHTING	
43	1 1/4"	4#10, 1#10G	COMMUNICATIONS CABINET SCC-001	PANELBOARD LP1B	POWER TO COMMUNICATIONS CABINET	
44	1"	EMPTY W/ PULL CORD	VMS-001 (F)	PANELBOARD LP1B	POWER TO VMS (F)	
45	1"	4#10, 2#10G	VMS-002, VMS-003	PANELBOARD LP1B	POWER TO VMS	
46	1"	4#10, 2#10G	VMS-008, VMS-009	PANELBOARD LP1B	POWER TO VMS	
47	1"	EMPTY W/ PULL CORD	VMS-010 (F)	PANELBOARD LP1B	POWER TO VMS (F)	
48	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
49	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
50	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
51	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
52	1"	2#10, 1#10G	POLE LUMINAIRES	PANELBOARD LP1A	POWER TO POLE LUMINAIRES	
53	2(2")	2(4#3/0, 1#3G)	C/T METERING CABINET AT XCEL POINT OF CONNECTION.	PANELBOARD HP1	PLATFORM POWER	
54	3/4"	3#10, 1#10G	PANELBOARD HP1	112.5 KVA TRANSFORMER	PLATFORM POWER	6
55	1-1/4"	4#6, 1#10G	112.5 KVA TRANSFORMER	PANELBOARD LP1C	PLATFORM POWER	6
56	1-1/4"	4#6, 1#10G	PANELBOARD LP1C	PANELBOARD LP1D	PLATFORM POWER	6
57	2(2-1/2)"	2(3#2/0 , 1#6G)	PANELBOARD HP1	112.5 KVA TRANSFORMER	PLATFORM POWER	6
58	2(3")	2(4#3/0, 1#3G)	112.5 KVA TRANSFORMER	500 A CIRCUIT BREAKER	PLATFORM POWER	6
59	2(3")	2(4#3/0, 1#3G)	500 A CIRCUIT BREAKER	PANELBOARD LP1A	PLATFORM POWER	6
60	1 1/4"	3#3, 1#8G	PANELBOARD HP1	VC WEST ELEVATOR DISCONNECT SWITCH	ELEVATOR POWER	
61	1 1/4"	3#3, 1#8G	VC WEST ELEVATOR DISCONNECT SWITCH	VC WEST ELEVATOR CONTROLLER	ELEVATOR POWER	
62	1 1/4"	PULL WIRE	VC WEST ELEVATOR CONTROLLER	VC WEST ELEVATOR MOTOR	ELEVATOR POWER	
63	1"	3#10, 1#10G	PANELBOARD LP1C	'C WEST ELEVATOR CAB DISCONNECT SWITC	ELEVATOR CAB LTG AND POWER	
64	1"	3#10, 1#10G	'C WEST ELEVATOR CAB DISCONNECT SWITC	VC WEST ELEVATOR CONTROLLER	ELEVATOR CAB LTG AND POWER	
65	1"	2#10, 1#10G	VC WEST SNOW MELT JUNCTION BOX	SNOW MELT SYSTEM 30/2P CONTACTOR	LEVATOR LOBBY SNOW MELT SYSTEM POWER	

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METROPOLITAN COUNCIL

SOUTHWEST
Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL
SCHEDULES (1 OF 3)

DISCIPLINE: ELECTRICAL

SHEET NAME: E3-WST-ELE-SCH-501

SHEET 508 OF 510

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WEST LAKE CONDUIT AND WIRE SCHEDULE

CONDUIT NUMBER	SIZE	WIRE	FROM	TO	REMARKS	NOTES
66	1"	3#10, 1#10G	VC WEST ELEVATOR PIT LTG AND RECEPTACL	PANELBOARD LP1C	ELEVATOR PIT LTG AND RECEPTACLE POWER	
67	3"				EMPTY WITH PULL WIRE	
68	1 1/4"	3#3, 1#8G	PANELBOARD HP1	VC EAST ELEVATOR DISCONNECT SWITCH	ELEVATOR POWER	
69	1 1/4"	3#3, 1#8G	VC EAST ELEVATOR DISCONNECT SWITCH	VC EAST ELEVATOR CONTROLLER	ELEVATOR POWER	
70	1 1/4"	PULL WIRE	VC WEST ELEVATOR CONTROLLER	VC WEST ELEVATOR MOTOR	ELEVATOR POWER	
71	1"	3#10, 1#10G	PANELBOARD LP1C	VC EAST ELEVATOR CAB DISCONNECT SWITCH	ELEVATOR CAB LTG AND POWER	
72	1"	3#10, 1#10G	VC EAST ELEVATOR CAB DISCONNECT SWITCH	VC EAST ELEVATOR CONTROLLER	ELEVATOR CAB LTG AND POWER	
73	1"	PULL WIRE	VC EAST SNOW MELT JUNCTION BOX	SNOW MELT SYSTEM 30/2P CONTACTOR	ELEVATOR LOBBY SNOW MELT SYSTEM POWER	
74	1"	PULL WIRE	RECEPTACLE	PANELBOARD LP1C	ELEVATOR PIT LTG AND RECEPTACLE POWER	
75	3"				EMPTY WITH PULL WIRE	
76		1#1/0	112.5 KVA TRANSFORMER	GROUNDING ELECTRODE SYSTEM	GROUNDING ELECTRODE CONDUCTOR FOR 112.5 KVA TRANSFORMER	7
77		1#1/0	112.5 KVA TRANSFORMER	GROUNDING ELECTRODE SYSTEM	GROUNDING ELECTRODE CONDUCTOR FOR 112.5 KVA TRANSFORMER	7
78	1"	3#12, 1#12G	ACU-1	PANELBOARD LP1C	POWER TO FAN COIL UNIT	
79	1"	8#12, 1#10G	ACU-2	PANELBOARD LP1C	POWER TO FAN COIL UNIT	
80	1"	3#12, 1#12G	ACU-3	PANELBOARD LP1C	POWER TO FAN COIL UNIT	
81	1"	8#12, 1#10G	ACU-4	PANELBOARD LP1C	POWER TO FAN COIL UNIT	
82	1"	3#12, 1#12G	ACU-5	PANELBOARD LP1C	POWER TO FAN COIL UNIT	
83	1"	3#12, 1#12G	CU-1	PANELBOARD LP1C	POWER TO CONDENSING UNIT	
84	1"	3#12, 1#12G	CU-2	PANELBOARD LP1C	POWER TO CONDENSING UNIT	
85	1"	3#12, 1#12G	CU-3	PANELBOARD LP1C	POWER TO CONDENSING UNIT	
86	1"	3#12, 1#12G	CU-4	PANELBOARD LP1C	POWER TO CONDENSING UNIT	
87	1"	3#12, 1#12G	CU-5	PANELBOARD LP1C	POWER TO CONDENSING UNIT	
88	1"	3#12, 1#12G	CP-1	PANELBOARD LP1C	POWER TO CONDENSATE PUMP	
89	1"	3#12, 1#12G	CP-2	PANELBOARD LP1C	POWER TO CONDENSATE PUMP	
90	1"	3#12, 1#12G	CP-3	PANELBOARD LP1C	POWER TO CONDENSATE PUMP	
91	1"	2#12, 1#12G	EX-1	PANELBOARD LP1C	POWER TO EXHAUST FAN	
92	1"	2#12, 1#12G	EX-2	PANELBOARD LP1C	POWER TO EXHAUST FAN	
93	1"	2#12, 1#12G	EX-3	PANELBOARD LP1C	POWER TO EXHAUST FAN	
94	1"	2#12, 1#12G	EX-4	PANELBOARD LP1C	POWER TO EXHAUST FAN	
95	1"	2#12, 1#12G	EUH-1	PANELBOARD LP1C	POWER TO ELECTRIC UNIT HEATER	
96	1"	2#12, 1#12G	EUH-2	PANELBOARD LP1C	POWER TO ELECTRIC UNIT HEATER	
97	1"	2#12, 1#12G	EWH-1	PANELBOARD LP1C	POWER TO ELECTRIC WATER HEATER	
98	1"	2#12, 1#12G	EWH-2	PANELBOARD LP1C	POWER TO ELECTRIC WATER HEATER	
99	1"	2#12, 1#12G	ERV-1	PANELBOARD LP1C	POWER TO ERV	

PANELBOARD SCHEDULE WST-HP1

400 AMP BUS RATING — 42 POLES
277/480 VOLTS — SURFACE MOUNTED
400 AMP MAIN BREAKER — 3 PHASE, 4 WIRE 60Hz — 42k AIC

DESCRIPTION	kVA	AMPS/POLES	CKT	AØ	BØ	CØ	CKT	AMPS/POLES	kVA	DESCRIPTION
112.5 KVA TRANSFORMER (LP1A & LP1B)	26.6	170/3	1	X			2	100/3	17.7	ELEVATOR VC WEST
	28.0		3		X		4		17.7	
	26.7		5			X	6		17.7	
112.5 KVA TRANSFORMER (LP1C & LP1D)	16.6	170/3	7	X			8	100/3	17.7	ELEVATOR VC EAST
	16.9		9		X		10		17.7	
	16.2		11			X	12		17.7	
SPD		60/3	13	X			14			
			15		X		16			
			17			X	18			
SPACE			19	X			20			
SPACE			21		X		22			
SPACE			23			X	24			
SPACE			25	X			26			
SPACE			27		X		28			
						X				
		kVA		78.6	80.3	78.3	kVA			
		AMPS		283.6	289.8	282.6	AMPS			

ELECTRICAL NOTES
1. NOT USED
2 3/C#18 CABLE FOR AMBIENT AIR TEMPERATURE SENSOR IS ALSO RUN IN THE CONDUIT.
3. NOT USED
4. NOT USED
5, 2#14 FOR POWER OUT INDICATION, ROUTE BETWEEN SCADA PLC AND POWER OUT RELAY IN ELECTRICAL ENCLOSURE
6. FMC

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Metropolitan Council — Southwest Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
ELECTRICAL
SCHEDULES (2 OF 3)

DISCIPLINE: ELECTRICAL

SHEET NAME: E3-WST-ELE-SCH-502

SHEET 509 OF 510

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PANELBOARD SCHEDULE WST-LP1A

400 AMP BUS RATING | 3 PHASE | 42 POLES
120/208 VOLTS | 4 WIRE 60Hz | SURFACE MOUNTED
300 AMP MAIN BREAKER | LOCATION

DESCRIPTION	kVA	AMPS/POLES	CKT	AØ	BØ	CØ	CKT	AMPS/POLES	kVA	DESCRIPTION
RAMP LIGHTING	0.4	20/1	1	X			2	30/2	2.4	HTR-119, 120, 121
RAMP LIGHTING	0.4	20/1	3		X		4		2.4	
HTR-101, 102, 103	2.4	30/2	5			X	6	30/2	2.4	HTR-122, 123, 124
	2.4		7	X			8		2.4	
HTR-104, 105, 106	2.4	30/2	9		X		10	30/2	2.4	HTR-125, 126, 127
	2.4		11			X	12		2.4	
HTR-107, 108, 109	2.4	30/2	13	X			14	30/2	2.4	HTR-128, 129, 130
	2.4		15		X		16		2.4	
HTR-110, 111 112	2.4	30/2	17			X	18	30/2	2.4	HTR-131, 132, 133
	2.4		19	X			20		2.4	
HTR-113, 114, 115	2.4	30/2	21		X		22	30/2	2.4	HTR-134, 135, 136
	2.4		23			X	24		2.4	
HTR-116, 117, 118	2.4	30/2	25	X			26	20/1	0.18	SHELTER LUMINAIRES
	2.4		27		X		28	20/1	0.18	SHELTER LUMINAIRES
KSK-101	0.3	20/1	29			X	30	20/1	0.18	SHELTER LUMINAIRES
KSK-102	0.3	20/1	31	X			32	20/1	0.18	SHELTER LUMINAIRES
HTRCP-101	1.0	30/2	33		X		34	20/1	1.0	POLE LUMINAIRES
	1.0		35			X	36	20/1		SPARE
HTRCP-102	1.0	30/2	37	X			38	20/1		SPARE
	1.0		39		X		40			SPACE
SPACE			41			X	42			SPACE
		kVA		26.6	28.0	26.7	kVA		5.3	
		AMPS		221.3	233.2	222.3	AMPS		5.2	
									6.0	FEED THROUGH LUGS LP1B

PANELBOARD SCHEDULE WST-LP1B

400 AMP BUS RATING | 3 PHASE | 30 POLES
120/208 VOLTS | 4 WIRE 60Hz | SURFACE MOUNTED
400 MLO | LOCATION

DESCRIPTION	kVA	AMPS/POLES	CKT	AØ	BØ	CØ	CKT	AMPS/POLES	kVA	DESCRIPTION
SPD		60/2	1	X			2	20/1	0.3	RSV-101
			3		X		4	20/1	0.3	RSV-102
SEC-001	0.5	20/1	5			X	6	20/1	0.3	RSV-103
VMS-001 (FUTURE)	1.0	20/1	7	X			8	20/1	0.3	RSV-104
VMS-002	1.0	20/1	9		X		10	20/1		SPARE
VMS-003	1.0	20/1	11			X	12	20/1		SPARE
SCC-001	2.7	30/2	13	X			14	20/1	1.0	VMS-008
	2.7		15		X		16	20/1	1.0	VMS-009
SPARE		20/1	17			X	18	20/1	1.0	VMS-010 (FUTURE)
SPARE		20/1	19	X			20	30/1		SPARE
HTG AND LTG CONTROL SYSTEM	0.2	15/1	21		X		22	30/1		SPARE
TVM-101	1.6	30/1	23			X	24	30/1	1.6	TVM-102
SPACE			25	X			26			SPACE
SPACE			27		X		28			SPACE
SPACE			29			X	30			SPACE
		kVA		5.3	5.2	6.0	kVA			
		AMPS		44.2	43.3	50.0	AMPS			

PANELBOARD SCHEDULE WST-LP1C

400 AMP BUS RATING | 3 PHASE | 42 POLES
120/208 VOLTS | 4 WIRE 60Hz | SURFACE MOUNTED
300 AMP MAIN BREAKER | 10 KAIC

DESCRIPTION	kVA	AMPS/POLES	CKT	AØ	BØ	CØ	CKT	AMPS/POLES	kVA	DESCRIPTION
ACU-1	0.5	20/3	1	X			2	20/3	0.1	CU-3
	0.5		3		X		4		0.1	
	0.5		5			X	6		0.1	
CU-1	0.2	20/3	7	X			8	20/3	0.1	ACU-4
	0.2		9		X		10		0.1	
	0.2		11			X	12		0.1	
ACU-2	0.1	20/3	13	X			14	40/3	3.5	CU-4
	0.1		15		X		16		3.5	
	0.1		17			X	18		3.5	
CU-2	3.5	40/3	19	X			20	20/3	0.6	ACU-5
	3.5		21		X		22		0.6	
	3.5		23			X	24		0.6	
ACU-3	0.5	20/3	25	X			26	20/3	0.1	CU-5
	0.5		27		X		28		0.1	
	0.5		29			X	30		0.1	
VC WEST ELEVATOR LOBBY SNOW MELT	2.3	30/2	31	X			32	20/1	0.6	VC WEST ELEVATOR PIT LTG & RECEPT
	2.3		33		X		34	30/2	2.3	VC EAST ELEVATOR LOBBY SNOW MELT
VC WEST ELEVATOR CAB LTG & POWER	1.0	20/1	35			X	36		2.3	
VC EAST ELEVATOR CAB LTG & POWER	1.0	20/1	37	X			38	10/1	0.2	ERV-1
SPACE			39		X		40			
SPAE			41			X	42	20/1	0.6	VC EAST ELEVATOR PIT LTG & RECEPT
		kVA		16.6	16.9	16.2	kVA		3.3	
		AMPS		138.3	140.8	135.0	AMPS		3.1	
									3.1	FEED THROUGH LUGS LP1D

PANELBOARD SCHEDULE WST-LP1D

400 AMP BUS RATING | 3 PHASE | 42 POLES
120/208 VOLTS | 4 WIRE 60Hz | SURFACE MOUNTED
400 MLO | 10 KAIC

DESCRIPTION	kVA	AMPS/POLES	CKT	AØ	BØ	CØ	CKT	AMPS/POLES	kVA	DESCRIPTION
EUH-1	1.0	20/2	1	X			2	20/2	0.4	EWH-1
	1.0		3		X		4		0.4	
EUH-2	1.0	20/2	5			X	6	20/2	0.4	EWH-2
	1.0		7	X			8		0.4	
EF-1	0.7	20/1	9		X		10	20/1	0.7	EF-3
EF-2	0.7	20/1	11			X	12	20/1	0.7	EF-4
CP-1	0.3	20/1	13	X			14	20/1	0.2	ERV-1
CP-2	0.3	20/1	15		X		16	20/1		SPARE
CP-3	0.3	20/1	17			X	18	20/1		SPARE
SPARE		20/1	19	X			20	20/1		SPARE
SPARE		20/1	21		X		22	20/1		SPARE
SPARE		20/1	23			X	24	20/1		SPARE
SPACE			25	X			26			SPACE
SPACE			27		X		28			SPACE
SPACE			29			X	30			SPACE
SPACE			31	X			32			SPACE
SPACE			33		X		34			SPACE
SPACE			35			X	36			SPACE
SPACE			37	X			38			SPACE
SPACE			39		X		40			SPACE
SPAE			41			X	42			SPACE
		kVA		3.3	3.1	3.1	kVA			
		AMPS		27.5	25.8	25.8	AMPS			

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METROPOLITAN COUNCIL | SOUTHWEST Green Line LRT Extension

CIVIL - VOLUME 11C
WEST LAKE STATION
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SCHEDULES (3 OF 3)

DISCIPLINE: ELECTRICAL

SHEET NAME: E3-WST-ELE-SCH-503

SHEET 510 OF 510

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