



**METROPOLITAN**  
C O U N C I L



**SOUTHWEST**  
Green Line LRT Extension

# VOLUME 11A

---

# STATIONS

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.

60% SUBMISSION  
DATE : 09/28/15

# AECOM






Sep. 25 2015 09:08 am V:\3400\_ADC\CAD\CAD MANAGEMENT\DRAWING\_LIST\E1-GEN-IDX.dwg By: V-KriewalR

CIVIL EAST							CIVIL EAST					CIVIL EAST											
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 11A - STATIONS																							
1	E0-STA-CVR-001	COVER SHEET					65	E1-BLK-ARC-RCP-181	REFLECTED CEILING PLANS							131	E2-LOU-ELE-PLN-304	ELECTRICAL CANOPY PLAN - TRACK 2 SIDE					
2	E0-STA-IDX-001	VOLUME INDEX OF PLAN SHEETS SHEET 1					66	E1-BLK-ARC-ELV-200	ELEVATIONS							132	E2-LOU-ELE-PLN-411	COMMUNICATIONS UNDERSLAB CONDUIT PLAN (1 OF 2)					
3	E0-STA-IDX-002	VOLUME INDEX OF PLAN SHEETS SHEET 2					67	E1-BLK-ARC-ELV-210	WEST PARTIAL ELEVATIONS							133	E2-LOU-ELE-PLN-412	COMMUNICATIONS UNDERSLAB CONDUIT PLAN (2 OF 2)					
4	E0-GEN-KEY-001	GENERAL KEY MAP					68	E1-BLK-ARC-ELV-211	MIDDLE PARTIAL ELEVATIONS							134	E2-LOU-ELE-PLN-421	COMMUNICATIONS CANOPY PLAN - TRACK 1 SIDE					
5	E0-GEN-NTS-001	GENERAL LEGEND AND ABBREVIATIONS SHEET 1					69	E1-BLK-ARC-ELV-212	EAST PARTIAL ELEVATIONS							135	E2-LOU-ELE-PLN-422	COMMUNICATIONS CANOPY PLAN - TRACK 2 SIDE					
6	E0-GEN-NTS-002	GENERAL LEGEND AND ABBREVIATIONS SHEET 2					70	E1-BLK-ARC-SCT-300	TYPICAL PLATFORM SECTION							136	E2-LOU-ELE-PLN-461	COMMUNICATIONS CONDUIT SCHEDULE (1 OF 2)					
7	E0-ARC-ABR-020	ARCHITECTURAL ABBREVIATIONS, SYMBOLS, AND DRAWING CODES					71	E1-BLK-STR-PLN-101	PLATFORM PLAN							137	E2-LOU-ELE-PLN-462	COMMUNICATIONS CONDUIT SCHEDULE (2 OF 2)					
8	E0-STR-GEN-001	STRUCTURAL GENERAL NOTES					72	E1-BLK-STR-PLN-110	WEST PARTIAL FOUNDATION PLAN									WOODDALE STATION					
9	E0-PLM-GEN-001	PLUMBING SYMBOLS AND ABBREVIATIONS					73	E1-BLK-STR-PLN-111	MIDDLE PARTIAL FOUNDATION PLAN							138	E2-WDL-ARC-COD-010	CODE SUMMARY/ FINISH SCHEDULE					
10	E0-PLM-DTL-001	PLUMBING DETAILS AND SCHEDULES					74	E1-BLK-STR-PLN-112	EAST PARTIAL FOUNDATION PLAN							139	E2-WDL-ARC-PLN-101	PLATFORM PLAN					
11	E0-MEC-GEN-001	MECHANICAL SYMBOLS AND ABBREVIATIONS					75	E1-BLK-STR-PLN-150	LOWER ROOF FRAMING PLANS							140	E2-WDL-ARC-PLN-110	WEST PARTIAL PLATFORM PLAN					
12	E0-MEC-SCH-001	MECHANICAL SCHEDULES					76	E1-BLK-STR-PLN-151	UPPER ROOF FRAMING PLANS							141	E2-WDL-ARC-PLN-111	MIDDLE PARTIAL PLATFORM PLAN					
13	E0-MEC-DTL-001	MECHANICAL DETAILS					77	E1-BLK-STR-ELV-201	ELEVATIONS – FRAMING							142	E2-WDL-ARC-PLN-112	EAST PARTIAL PLATFORM PLAN					
14	E0-ELE-GEN-001	ELECTRICAL SYMBOLS AND ABBREVIATIONS 1 OF 2					78	E1-BLK-STR-ELV-210	WEST PARTIAL ELEVATIONS – FRAMING							143	E2-WDL-ARC-PLN-150	LOWER ROOF PLANS					
15	E0-ELE-GEN-002	ELECTRICAL SYMBOLS AND ABBREVIATIONS 2 OF 2					79	E1-BLK-STR-ELV-211	MIDDLE PARTIAL ELEVATIONS – FRAMING							144	E2-WDL-ARC-PLN-151	UPPER ROOF PLANS					
16	E0-ELE-SCH-501	ELECTRICAL LUMINAIRE SCHEDULE 1 OF 3					80	E1-BLK-STR-ELV-212	EAST PARTIAL ELEVATIONS – FRAMING							145	E2-WDL-ARC-RCP-180	REFLECTED CEILING PLANS					
17	E0-ELE-SCH-502	ELECTRICAL LUMINAIRE SCHEDULE 2 OF 3					81	E1-BLK-STR-SCT-300	TYPICAL PLATFORM SECTION							146	E2-WDL-ARC-RCP-181	REFLECTED CEILING PLANS					
18	E0-ELE-SCH-503	ELECTRICAL LUMINAIRE SCHEDULE 3 OF 3					82	E1-BLK-PLM-PLN-100	WEST AND MIDDLE PARTIAL UNDERFLOOR PLUMBING PLAN							147	E2-WDL-ARC-ELV-200	ELEVATIONS					
19	E0-ELE-DTL-603	ELECTRICAL DETAILS 1 OF 4					83	E1-BLK-PLM-PLN-101	EAST PARTIAL UNDERFLOOR PLUMBING PLAN							148	E2-WDL-ARC-ELV-210	WEST PARTIAL ELEVATIONS					
20	E0-ELE-DTL-604	ELECTRICAL DETAILS 2 OF 4					84	E1-BLK-PLM-PLN-110	WEST AND MIDDLE PARTIAL PLUMBING PLAN							149	E2-WDL-ARC-ELV-211	MIDDLE PARTIAL ELEVATIONS					
21	E0-ELE-DTL-605	ELECTRICAL DETAILS 3 OF 4					85	E1-BLK-PLM-PLN-111	EAST PARTIAL PLUMBING PLAN AND RISER DIAGRAMS							150	E2-WDL-ARC-ELV-212	EAST PARTIAL ELEVATIONS					
22	E0-ELE-DTL-606	ELECTRICAL DETAILS 4 OF 4					86	E1-BLK-ELE-PLN-201	ELECTRICAL GROUNDING PLAN							151	E2-WDL-ARC-SCT-300	TYPICAL PLATFORM SECTION					
		DOWNTOWN HOPKINS STATION					87	E1-BLK-ELE-PLN-202	ELECTRICAL GROUNDING ELEVATIONS							152	E2-WDL-STR-PLN-101	PLATFORM PLAN					
23	E1-HOP-ARC-COD-010	CODE SUMMARY/ FINISH SCHEDULE					88	E1-BLK-ELE-PLN-301	ELECTRICAL UNDERSLAB CONDUIT PLAN (1 OF 2)							153	E2-WDL-STR-PLN-110	WEST PARTIAL FOUNDATION PLAN					
24	E1-HOP-ARC-PLN-101	PLATFORM PLAN					89	E1-BLK-ELE-PLN-302	ELECTRICAL UNDERSLAB CONDUIT PLAN (2 OF 2)							154	E2-WDL-STR-PLN-111	MIDDLE PARTIAL FOUNDATION PLAN					
25	E1-HOP-ARC-PLN-110	WEST PARTIAL PLATFORM PLAN					90	E1-BLK-ELE-PLN-303	ELECTRICAL CANOPY PLAN - TRACK 1 SIDE							155	E2-WDL-STR-PLN-112	EAST PARTIAL FOUNDATION PLAN					
26	E1-HOP-ARC-PLN-111	MIDDLE PARTIAL PLATFORM PLAN					91	E1-BLK-ELE-PLN-304	ELECTRICAL CANOPY PLAN - TRACK 2 SIDE							156	E2-WDL-STR-PLN-150	LOWER ROOF FRAMING PLANS					
27	E1-HOP-ARC-PLN-112	EAST PARTIAL PLATFORM PLAN					92	E1-BLK-ELE-PLN-411	COMMUNICATIONS UNDERSLAB CONDUIT PLAN (1 OF 2)							157	E2-WDL-STR-PLN-151	UPPER ROOF FRAMING PLANS					
28	E1-HOP-ARC-PLN-150	ROOF PLANS					93	E1-BLK-ELE-PLN-412	COMMUNICATIONS UNDERSLAB CONDUIT PLAN (2 OF 2)							158	E2-WDL-STR-ELV-201	ELEVATIONS – FRAMING					
29	E1-HOP-ARC-RCP-180	REFLECTED CEILING PLANS					94	E1-BLK-ELE-PLN-421	COMMUNICATIONS CANOPY PLAN - TRACK 1 SIDE							159	E2-WDL-STR-ELV-210	WEST PARTIAL ELEVATIONS -- FRAMING					
30	E1-HOP-ARC-ELV-200	ELEVATIONS					95	E1-BLK-ELE-PLN-422	COMMUNICATIONS CANOPY PLAN - TRACK 2 SIDE							160	E2-WDL-STR-ELV-211	MIDDLE PARTIAL ELEVATIONS – FRAMING					
31	E1-HOP-ARC-ELV-210	WEST PARTIAL ELEVATIONS					96	E1-BLK-ELE-PLN-461	COMMUNICATIONS CONDUIT SCHEDULE (1 OF 2)							161	E2-WDL-STR-ELV-212	EAST PARTIAL ELEVATIONS – FRAMING					
32	E1-HOP-ARC-ELV-211	MIDDLE PARTIAL ELEVATIONS					97	E1-BLK-ELE-PLN-462	COMMUNICATIONS CONDUIT SCHEDULE (2 OF 2)							162	E2-WDL-STR-SCT-300	TYPICAL PLATFORM SECTION					
33	E1-HOP-ARC-ELV-212	EAST PARTIAL ELEVATIONS					98	E1-BLK-ELE-PLN-503	ELECTRICAL STATION CONDUIT AND WIRE SCHEDULE							163	E2-WDL-PLM-PLN-100	WEST AND MIDDLE PARTIAL UNDERFLOOR PLUMBING PLAN					
34	E1-HOP-ARC-SCT-300	TYPICAL PLATFORM SECTION							LOUISIANA STATION							164	E2-WDL-PLM-PLN-101	EAST PARTIAL UNDERFLOOR PLUMBING PLAN					
35	E1-HOP-STR-PLN-101	PLATFORM PLAN					99	E2-LOU-ARC-COD-010	CODE SUMMARY/ FINISH SCHEDULE							165	E2-WDL-PLM-PLN-110	WEST AND MIDDLE PARTIAL PLUMBING PLAN					
36	E1-HOP-STR-PLN-110	WEST PARTIAL FOUNDATION PLAN					100	E2-LOU-ARC-PLN-101	PLATFORM PLAN							166	E2-WDL-PLM-PLN-111	EAST PARTIAL PLUMBING PLAN AND RISER DIAGRAMS					
37	E1-HOP-STR-PLN-111	MIDDLE PARTIAL FOUNDATION PLAN					101	E2-LOU-ARC-PLN-110	WEST PARTIAL PLATFORM PLAN							167	E2-WDL-ELE-PLN-301	ELECTRICAL UNDERSLAB CONDUIT PLAN (1 OF 2)					
38	E1-HOP-STR-PLN-112	EAST PARTIAL FOUNDATION PLAN					102	E2-LOU-ARC-PLN-111	MIDDLE PARTIAL PLATFORM PLAN							168	E2-WDL-ELE-PLN-302	ELECTRICAL UNDERSLAB CONDUIT PLAN (2 OF 2)					
39	E1-HOP-STR-PLN-150	ROOF FRAMING PLANS					103	E2-LOU-ARC-PLN-112	EAST PARTIAL PLATFORM PLAN							169	E2-WDL-ELE-PLN-303	ELECTRICAL CANOPY PLAN - TRACK 1 SIDE					
40	E1-HOP-STR-ELV-201	ELEVATIONS – FRAMING					104	E2-LOU-ARC-PLN-150	LOWER ROOF PLANS							170	E2-WDL-ELE-PLN-304	ELECTRICAL CANOPY PLAN - TRACK 2 SIDE					
41	E1-HOP-STR-ELV-210	WEST PARTIAL ELEVATIONS – FRAMING					105	E2-LOU-ARC-PLN-151	UPPER ROOF PLANS							171	E2-WDL-ELE-PLN-411	COMMUNICATIONS UNDERSLAB CONDUIT PLAN (1 OF 2)					
42	E1-HOP-STR-ELV-211	MIDDLE PARTIAL ELEVATIONS – FRAMING					106	E2-LOU-ARC-RCP-180	REFLECTED CEILING PLANS							172	E2-WDL-ELE-PLN-412	COMMUNICATIONS UNDERSLAB CONDUIT PLAN (2 OF 2)					
43	E1-HOP-STR-ELV-212	EAST PARTIAL ELEVATIONS – FRAMING					107	E2-LOU-ARC-RCP-181	REFLECTED CEILING PLANS							173	E2-WDL-ELE-PLN-421	COMMUNICATIONS CANOPY PLAN - TRACK 1 SIDE					
44	E1-HOP-STR-SCT-300	TYPICAL PLATFORM SECTION					108	E2-LOU-ARC-ELV-200	ELEVATIONS							174	E2-WDL-ELE-PLN-422	COMMUNICATIONS CANOPY PLAN - TRACK 2 SIDE					
45	E1-HOP-PLM-PLN-100	WEST AND MIDDLE PARTIAL UNDERFLOOR PLUMBING PLAN					109	E2-LOU-ARC-ELV-210	WEST PARTIAL ELEVATIONS							175	E2-WDL-ELE-PLN-461	COMMUNICATIONS CONDUIT SCHEDULE (1 OF 2)					
46	E1-HOP-PLM-PLN-101	EAST PARTIAL UNDERFLOOR PLUMBING PLAN					110	E2-LOU-ARC-ELV-211	MIDDLE PARTIAL ELEVATIONS							176	E2-WDL-ELE-PLN-462	COMMUNICATIONS CONDUIT SCHEDULE (2 OF 2)					
47	E1-HOP-PLM-PLN-110																						

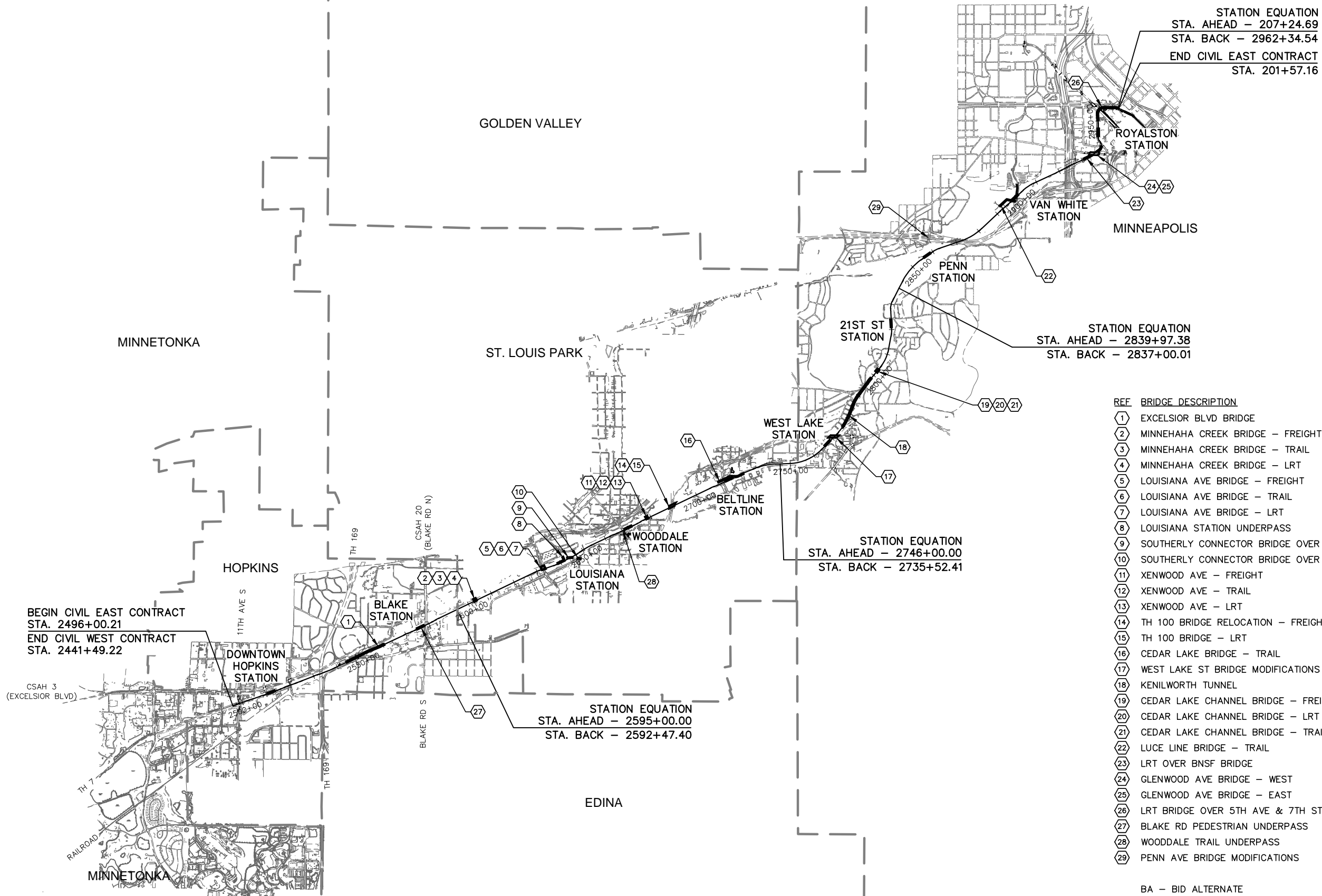


Sep. 25 2015 09:08 am V:\3400\_ADC\CAD\CAD MANAGEMENT\DRAWING LIST\E1-GEN-IDX.dwg By: V-KriewMR

CIVIL EAST						CIVIL EAST						CIVIL EAST												
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 11A - STATIONS (cont'd)																								
194	E2-BLT-STR-ELV-201	ELEVATIONS – FRAMING																261	E3-WST-STR-ELV-201	ELEVATIONS – FRAMING				
195	E2-BLT-STR-ELV-210	WEST PARTIAL ELEVATIONS – FRAMING																262	E3-WST-STR-ELV-210	WEST PARTIAL ELEVATIONS – FRAMING				
196	E2-BLT-STR-ELV-211	MIDDLE PARTIAL ELEVATIONS – FRAMING																263	E3-WST-STR-ELV-211	MIDDLE PARTIAL ELEVATIONS – FRAMING				
197	E2-BLT-STR-ELV-212	EAST PARTIAL ELEVATIONS – FRAMING																264	E3-WST-STR-ELV-212	EAST PARTIAL ELEVATIONS – FRAMING				
198	E2-BLT-STR-SCT-300	TYPICAL PLATFORM SECTION																265	E3-WST-STR-SCT-300	TYPICAL PLATFORM SECTION				
199	E2-BLT-PLM-PLN-100	WEST AND MIDDLE PARTIAL UNDERFLOOR PLUMBING PLAN																266	E3-WST-STR-PLN-401	VC EAST FOUNDATION PLAN				
200	E2-BLT-PLM-PLN-101	EAST PARTIAL UNDERFLOOR PLUMBING PLAN																267	E3-WST-STR-PLN-402	VC WEST FOUNDATION PLAN				
201	E2-BLT-PLM-PLN-110	WEST AND MIDDLE PARTIAL PLUMBING PLAN																268	E3-WST-STR-PLN-411	VC EAST MAIN ROOF FRAMING PLAN				
202	E2-BLT-PLM-PLN-111	EAST PARTIAL PLUMBING PLAN AND RISER DIAGRAMS																269	E3-WST-STR-PLN-412	VC WEST MAIN ROOF FRAMING PLAN				
203	E2-BLT-ELE-PLN-301	ELECTRICAL UNDERSLAB CONDUIT PLAN (1 OF 2)																270	E3-WST-STR-PLN-413	VC EAST PARTIAL ROOF FRAMING PLAN				
204	E2-BLT-ELE-PLN-302	ELECTRICAL UNDERSLAB CONDUIT PLAN (2 OF 2)																271	E3-WST-STR-PLN-414	VC WEST PARTIAL ROOF FRAMING PLAN				
205	E2-BLT-ELE-PLN-303	ELECTRICAL CANOPY PLAN																272	E3-WST-STR-PLN-415	VC EAST BRIDGE LEVEL FRAMING PLAN				
206	E2-BLT-ELE-PLN-411	COMMUNICATIONS UNDERSLAB CONDUIT PLAN (1 OF 2)																273	E3-WST-STR-PLN-416	VC WEST BRIDGE LEVEL FRAMING PLAN				
207	E2-BLT-ELE-PLN-412	COMMUNICATIONS UNDERSLAB CONDUIT PLAN (2 OF 2)																274	E3-WST-STR-PLN-417	VC EAST STAIR LANDING LEVEL FRAMING PLAN				
208	E2-BLT-ELE-PLN-421	COMMUNICATIONS CANOPY PLAN																275	E3-WST-STR-PLN-418	VC WEST STAIR LANDING LEVEL FRAMING PLAN				
209	E2-BLT-ELE-PLN-461	COMMUNICATIONS CONDUIT SCHEDULE (1 OF 2)																276	E3-WST-STR-ELV-501	VC EAST TRACK 1 ELEVATION				
210	E2-BLT-ELE-PLN-462	COMMUNICATIONS CONDUIT SCHEDULE (2 OF 2)																277	E3-WST-STR-ELV-502	VC WEST TRACK 1 ELEVATION				
		WEST LAKE STATION																278	E3-WST-STR-SCT-503	VC EAST SECTION VIEWS				
211	E3-WST-ARC-COD-010	CODE SUMMARY/ FINISH SCHEDULE																279	E3-WST-STR-SCT-504	VC WEST SECTION VIEWS				
212	E3-WST-ARC-PLN-101	PLATFORM PLAN																279	E3-WST-PLM-PLN-100	WEST AND MIDDLE PARTIAL UNDERFLOOR PLUMBING PLAN				
213	E3-WST-ARC-PLN-110	WEST PARTIAL PLATFORM PLAN																280	E3-WST-PLM-PLN-101	EAST PARTIAL UNDERFLOOR PLUMBING PLAN				
214	E3-WST-ARC-PLN-111	MIDDLE PARTIAL PLATFORM PLAN																281	E3-WST-PLM-PLN-110	WEST AND MIDDLE PARTIAL PLUMBING PLAN				
215	E3-WST-ARC-PLN-112	EAST PARTIAL PLATFORM PLAN																282	E3-WST-PLM-PLN-111	EAST PARTIAL PLUMBING PLAN & RISER DIAGRAMS				
216	E3-WST-ARC-PLN-120	VC PLATFORM LEVEL PLAN (WEST)																283	E3-WST-PLM-PLN-130	VC UNDERFLOOR WEST PLATFORM LEVEL PLUMBING PLAN				
217	E3-WST-ARC-PLN-121	VC INTERMEDIATE LEVEL PLAN (WEST)																284	E3-WST-PLM-PLN-131	VC WEST PLATFORM LEVEL PLUMBING PLAN				
218	E3-WST-ARC-PLN-122	VC BRIDGE LEVEL PLAN (WEST)																285	E3-WST-PLM-PLN-135	VC UNDERFLOOR EAST PLATFORM LEVEL PLUMBING PLAN				
219	E3-WST-ARC-PLN-125	VC PLATFORM LEVEL PLAN (EAST)																286	E3-WST-PLM-PLN-136	VC EAST PLATFORM LEVEL PLAN				
220	E3-WST-ARC-PLN-126	VC INTERMEDIATE LEVEL PLAN (EAST)																287	E3-WST-MEC-PLN-130	VC WEST PLATFORM LEVEL HVAC PLAN				
221	E3-WST-ARC-PLN-127	VC BRIDGE LEVEL PLAN (EAST)																288	E3-WST-MEC-PLN-131	VC WEST INTERMEDIATE LEVEL HVAC PLAN				
222	E3-WST-ARC-PLN-150	ROOF PLANS																289	E3-WST-MEC-PLN-132	VC WEST BRIDGE LEVEL HVAC PLAN				
223	E3-WST-ARC-PLN-160	VC ROOF PLAN (WEST)																290	E3-WST-MEC-PLN-133	VC EAST PLATFORM LEVEL HVAC PLAN				
224	E3-WST-ARC-PLN-161	VC ROOF PLAN (WEST)																291	E3-WST-MEC-PLN-134	VC EAST INTERMEDIATE LEVEL HVAC PLAN				
225	E3-WST-ARC-PLN-162	VC ROOF PLAN (EAST)																292	E3-WST-MEC-PLN-135	VC EAST BRIDGE LEVEL HVAC PLAN				
226	E3-WST-ARC-RCP-180	REFLECTED CEILING PLANS																293	E3-WST-ELE-PLN-301	ELECTRICAL UNDERSLAB CONDUIT PLAN (1 OF 2)				
227	E3-WST-ARC-RCP-190	VC RCP PLATFORM LEVEL (WEST)																294	E3-WST-ELE-PLN-302	ELECTRICAL UNDERSLAB CONDUIT PLAN (2 OF 2)				
228	E3-WST-ARC-RCP-191	VC RCP INTERMEDIATE LEVEL 015 (WEST)																295	E3-WST-ELE-PLN-303	ELECTRICAL CANOPY PLAN				
229	E3-WST-ARC-RCP-192	VC RCP INTERMEDIATE LEVEL 017 (WEST)																296	E3-WST-ELE-PLN-304	ELECTRICAL LIGHTING PLAN - VC PLATFORM LEVEL (WEST)				
230	E3-WST-ARC-RCP-193	VC RCP BRIDGE LEVEL (WEST)																297	E3-WST-ELE-PLN-305	ELECTRICAL LIGHTING PLAN - VC INTERMEDIATE LEVEL (WEST)				
231	E3-WST-ARC-RCP-194	VC RCP PLATFORM \ INTERMEDIATE LEVEL 017 (EAST)																298	E3-WST-ELE-PLN-306	ELECTRICAL LIGHTING PLAN - VC INTERMEDIATE LEVEL (WEST)				
232	E3-WST-ARC-RCP-195	VC RCP BRIDGE LEVEL (EAST)																299	E3-WST-ELE-PLN-307	ELECTRICAL LIGHTING PLAN - VC BRIDGE LEVEL (WEST)				
233	E3-WST-ARC-ELV-200	ELEVATIONS																300	E3-WST-ELE-PLN-308	ELECTRICAL LIGHTING PLAN - VC PLATFORM LEVEL (EAST)				
234	E3-WST-ARC-ELV-201	VC ELEVATIONS																301	E3-WST-ELE-PLN-309	ELECTRICAL LIGHTING PLAN - VC BRIDGE LEVEL (WEST)				
235	E3-WST-ARC-ELV-210	WEST PARTIAL ELEVATIONS																302	E3-WST-ELE-PLN-320	ELECTRICAL VC TRACK 1 - PARTIAL ELEVATION (WEST)				
236	E3-WST-ARC-ELV-211	MIDDLE PARTIAL ELEVATIONS																303	E3-WST-ELE-PLN-321	ELECTRICAL VC TRACK 1 - PARTIAL ELEVATION (WEST)				
237	E3-WST-ARC-ELV-212	EAST PARTIAL ELEVATIONS																304	E3-WST-ELE-PLN-322	ELECTRICAL VC TRACK 2 - PARTIAL ELEVATION (WEST)				
238	E3-WST-ARC-ELV-220	VC TRACK 1 - PARTIAL ELEVATION (WEST)																305	E3-WST-ELE-PLN-323	ELECTRICAL VC TRACK 2 - PARTIAL ELEVATION (WEST)				
239	E3-WST-ARC-ELV-221	VC TRACK 1 - PARTIAL ELEVATION (WEST)																306	E3-WST-ELE-PLN-324	ELECTRICAL VC SIDE ELEVATIONS (WEST)				
240	E3-WST-ARC-ELV-222	VC TRACK 2 - PARTIAL ELEVATION (WEST)																307	E3-WST-ELE-PLN-325	ELECTRICAL VC TRACK 2 - PARTIAL ELEVATION (EAST)				
241	E3-WST-ARC-ELV-223	VC TRACK 2 - PARTIAL ELEVATION (WEST)																308	E3-WST-ELE-PLN-326	ELECTRICAL VC TRACK 1 - PARTIAL ELEVATION (EAST)				
242	E3-WST-ARC-ELV-224	VC SIDE ELEVATIONS (WEST)																309	E3-WST-ELE-PLN-327	ELECTRICAL VC TRACK 2 - PARTIAL ELEVATION (EAST)				
243	E3-WST-ARC-ELV-225	VC TRACK 2 - PARTIAL ELEVATION (EAST)																310	E3-WST-ELE-PLN-328	ELECTRICAL VC TRACK 2 - PARTIAL ELEVATION (EAST)				
244	E3-WST-ARC-ELV-226	VC TRACK 1 - PARTIAL ELEVATION (EAST)																311	E3-WST-ELE-PLN-411	COMMUNICATIONS UNDERSLAB CONDUIT PLAN (1 OF 2)				
245	E3-WST-ARC-ELV-227	VC TRACK 2 - PARTIAL ELEVATION (EAST)																312	E3-WST-ELE-PLN-412	COMMUNICATIONS UNDERSLAB CONDUIT PLAN (2 OF 2)				
246	E3-WST-ARC-ELV-228	VC SIDE ELEVATIONS (EAST)																313	E3-WST-ELE-PLN-421	COMMUNICATIONS CANOPY PLAN				
247	E3-WST-ARC-SCT-300	TYPICAL PLATFORM SECTION																314	E3-WST-ELE-PLN-431	COMMUNICATIONS VC PLATFORM LEVEL PLAN (WEST)				
248	E3-WST-ARC-SCT-310	VC LONGITUDINAL SECTION (WEST)																315	E3-WST-ELE-PLN-432	COMMUNICATIONS VC BRIDGE LEVEL PLAN (WEST)				
249	E3-WST-ARC-SCT-311	VC LONGITUDINAL SECTION (WEST)																316	E3-WST-ELE-PLN-433	COMMUNICATIONS VC PLATFORM LEVEL PLAN (EAST)				
250	E3-WST-ARC-SCT-312	VC SECTIONS (WEST)																317	E3-WST-ELE-PLN-434	COMMUNICATIONS VC BRIDGE LEVEL PLAN (EAST)				
251	E3-WST-ARC-SCT-313	VC SECTIONS (WEST)																318	E3-WST-ELE-PLN-461	COMMUNICATIONS CONDUIT SCHEDULE (1 OF 2)				
252	E3-WST-ARC-SCT-314	VC SECTIONS (WEST)																319	E3-WST-ELE-PLN-462	COMMUNICATIONS CONDUIT SCHEDULE (2 OF 2)				
253	E3-WST-ARC-SCT-316	VC LONGITUDINAL SECTION (EAST)																						
254	E3-WST-ARC-SCT-317	VC LONGITUDINAL SECTION (EAST)																						
255	E3-WST-ARC-SCT-318	VC SECTION (EAST)																						
256	E3-WST-STR-PLN-101	PLATFORM PLAN																						
257	E3-WST-STR-PLN-110	WEST PARTIAL FOUNDATION PLAN																						
258	E3-WST-STR-PLN-111	MIDDLE PARTIAL FOUNDATION PLAN																						
259	E3-WST-STR-PLN-112	EAST PARTIAL FOUNDATION PLAN																						
260	E3-WST-STR-PLN-150	ROOF FRAMING PLANS																						
NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL	<div></div>		<div></div>		<div>CIVIL EAST - VOLUME 11A STATIONS VOLUME INDEX OF PLAN SHEETS SHEET 2</div>								SHEET 3 OF 320						
						60% SUBMISSION - 09/28/15				DISCIPLINE: GENERAL		SHEET NAME: E0-STA-IDX - 002												



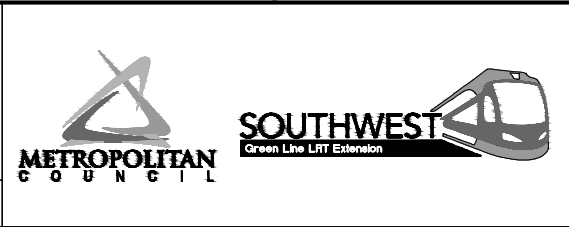
Sep. 21 2015 06:33 am V:\3400\_ADC\CAD\CAD MANAGEMENT\DRAWING LIST\EO-GEN-KEY.dwg By: V-KriewdMR



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A GENERAL KEY MAP	
DISCIPLINE: GENERAL	SHEET NAME: E0-GEN-KEY - 001

SHEET  
4  
OF  
320



Sep. 21 2015 06:34 am V: \\3400\_ADC\CAD\CAD MANAGEMENT\DRAWING LIST\E0-GEN-NTS.dwg By: V-KriewdMR

TRACK 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 INTRUSION DETECTION

CIVIL LINETYPES

- ROADWAY
- TRACK (LRT)
- TRACK (FRT)
- RETAINING WALL
- BALLAST CURB
- TUNNEL WALL
- CONCRETE CURB AND GUTTER
- TRAIL
- SIDEWALK
- DRIVEWAY
- BRIDGE
- SAWCUT
- FENCE
- DELINEATED WETLAND
- WATER EDGE
- EX ROW
- PROP ROW
- PROP TCE
- PROP PE
- CROSSWALK
- STOP BAR
- MEDIAN NOSE

TRACK SYMBOLS

- PROPOSED DIRECTIONAL LANE USE
- EXISTING DIRECTIONAL LANE USE
- PEDESTRIAN FLASHER
- AUTOMATIC GATE
- RAIL TURNOUT
- RAIL CROSSOVER (DOUBLE)
- RAIL CROSSOVER (SINGLE)
- POINT OF SWITCH (PS)
- OCS POLE FOUNDATION
- RAIL LUBRICATOR
- POINT OF INTERSECTION (PI) OF TURNOUT (TO)
- RAILROAD CURVE NUMBER

NOTE:  
ALL TURNOUTS AND CROSSOVERS TO BE EQUIPPED WITH POWER  
SWITCH MACHINES AND SWITCH HEATERS

CIVIL SYMBOLS

- ACCESSIBLE PEDESTRIAN CURB RAMP (DESIGN VARIES)
- PROPOSED DIRECTIONAL LANE USE
- EXISTING DIRECTIONAL LANE USE
- AUTOMATIC GATE
- HANDICAP PARKING STALL
- TACTILE WARNING STRIP
- TPSS BUILDING (TPSS-SW###)
- SIGNAL OR INTERMEDIATE OR PLATFORM OR XING OR TUNNEL HOUSE OR ANY COMBINATION OF THESE

SURVEY NOTES

- THE HORIZONTAL DATUM OF THIS MAP IS BASED ON THE HENNEPIN COUNTY COORDINATE SYSTEM WHICH IS RELATED TO THE MINNESOTA STATE PLANE COORDINATE SYSTEM NAD 83 (2007) ADJUSTMENT SOUTH ZONE.
- THE PLANIMETRIC FEATURES SHOWN ON THIS MAP ARE AS PREPARED BY AERO-METRIC, INC. FROM AERIAL DATA AND IMAGERY COLLECTED IN APRIL 2012, AS SUPPLEMENTED BY FIELD SURVEYS COMPLETED BY MFRA, INC.
- HORIZONTAL POSITIONAL ACCURACY: USING THE NATIONAL STANDARD FOR SPATIAL DATA ACCURACY, THE DATA SET TESTED 0.14 FEET HORIZONTAL ACCURACY AT A 95% CONFIDENCE LEVEL.
- VERTICAL POSITIONAL ACCURACY: USING THE NATIONAL STANDARD FOR SPATIAL DATA ACCURACY, THE DATA SET TESTED 0.10 FEET VERTICAL ACCURACY AT 95% CONFIDENCE LEVEL.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15

CIVIL EAST - VOLUME 11A  
GENERAL  
LEGEND AND ABBREVIATIONS  
SHEET 1

DISCIPLINE: GENERAL

SHEET NAME: E0-GEN-NTS - 001

SHEET  
5  
OF  
320



Sep. 21 2015 06:34 am V: \\3400\_ADC\CAD\CAD MANAGEMENT\DRAWING LIST\E0-GEN-NTS.dwg By: V-KriedwMR

ABBREVIATIONS

AD	ALGEBRAIC DIFFERENCE
AVE	AVENUE
BGN	BEGIN
BP	BEGINNING POINT
BVCE	BEGINNING VERTICAL CURVE ELEVATION
BVCS	BEGINNING VERTICAL CURVE STATION
BLVD	BOULEVARD
BNSF	BURLINGTON NORTHERN SANTA FE RAILWAY
C&G	CURB AND GUTTER
☉	CENTERLINE
CIR	CIRCLE
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
DTL	DETAIL
DWY	DRIVEWAY
E	EAST
Ea	ACTUAL SUPERELEVATION (INCHES)
EB	EAST BOUND
EL or ELEV	ELEVATION
EP	END POINT
ESMT	EASEMENT
Eu	UNBALANCED SUPERELEVATION (INCHES)
EVCE	ENDING VERTICAL CURVE ELEVATION
EVCS	ENDING VERTICAL CURVE STATION
EX	EXISTING
HCRRRA	HENNEPIN COUNTY REGIONAL RAILROAD AUTHORITY
LH	LEFT HAND
LN	LANE
LRT	LIGHT RAIL TRANSIT
Lc	CURVE LENGTH (FEET)
Ls	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
OMF	OPERATIONS AND MAINTENANCE FACILITY
OCS	OVERHEAD CONTACT SYSTEM
OH	OVERHEAD
PC	POINT OF CURVE
PE	PERMANENT EASEMENT
PITO	POINT OF INTERSECTION OF TURNOUT
PKWY	PARKWAY
POT	POINT ON TANGENT
PROP	PROPOSED
PS	POINT OF SWITCH
PT	POINT OF TANGENT
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS (FEET)
RD	ROAD
RL	RAIL LUBRICATOR
r	RATE OF CHANGE VERTICAL CURVE
RH	RIGHT HAND
ROW	RIGHT OF WAY
S	SOUTH
SB	SOUTH BOUND
SC	SPIRAL TO CURVE
SIG-COMM	SIGNAL COMMUNICATION
ST	STREET
ST	SPIRAL TO TANGENT
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
W	WEST
WB	WEST BOUND

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	KENILWORTH TRAIL (SECONDARY)/WEST OF PENN STATION
TRAIL G	CEDAR LAKE TRAIL (SECONDARY)/EAST OF PENN STATION
TRAIL H	10' CONNECTOR TRAIL/EAST OF PENN STATION TO KENWOOD PKWY
TRAIL I	NOT USED
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	NOT USED
TRAIL N	8' CONNECTOR TRAIL FROM CEDAR LAKE TRAIL TO EDGEBROOK 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	NOT USED
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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL




60% SUBMISSION - 09/28/15





CIVIL EAST - VOLUME 11A  
GENERAL  
LEGEND AND ABBREVIATIONS  
SHEET 2

DISCIPLINE: GENERAL  
SHEET NAME: E0-GEN-NTS - 002

SHEET  
6  
OF  
320



HEET  
7  
OF  
319



Sep. 21 2015 08:33 am k:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\E0-STR-GEN-001\_VOL 11A.dwg By: pepins

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 A-615 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 A-185, 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 THR 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. 992
  - ii. CHANNELS, A.S.T.M. A-36
  - iii. STRUCTURAL TUBES, A.S.T.M. A-500 (Gr. B)
  - iv. PLATES, A.S.T.M. A-36
- 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. A-307.
- 4. TEMPLATES SHALL BE PROVIDED FOR ALL ANCHOR RODS CAST IN PLACE.
- 5. HIGH STRENGTH BOLTS SHALL CONFORM TO A.S.T.M. A-325. NON-HIGH STRENGTH BOLTS SHALL CONFORM TO A.S.T.M. A-307. WASHERS SHALL CONFORM TO A.S.T.M. F-436 AND NUTS TO A.S.T.M. A-583.
- 6. ALL AVAILABLE STRENGTHS FOR BOLTS SHALL BE THOSE GIVEN IN THE AISC SPECIFICATIONS.
- 7. STRUCTURAL STEEL CONNECTIONS SHALL BE OF THE TYPES SHOWN ON THE DRAWINGS AND SHALL BE DESIGNED FOR THE CAPACITIES AND REQUIREMENTS SHOWN. CONTRACTOR SHALL SUBMIT TO A/E FOR APPROVAL, DESIGN CALCULATIONS AND DETAILS OF ALL CONNECTIONS, REPAIRED, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MN.
- 8. A MINIMUM OF TWO (2) BOLTS SHALL BE PROVIDED IN EACH CONNECTION.
- 9. ALL STEEL SURFACES NOT SHOP PRIMED SHALL BE FIELD PRIMED OR TOUCHED-UP PRIMED. EXCEPT AS MODIFIED BY THE SPECIFICATIONS.

- 10. GALVANIZING WHEN REQUIRED AS CALLED ON PLANS SHALL BE HOT-DIP GALVANIZNING IN ACCORDANCE WITH A.S.T.M. A-123 & A-155.
- 11. 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

	STATION PLATFORMS		VIRTUAL CIRCULATION	
	PLATFORM	ROOF	LANDINGS	ROOF
LIVE LOAD (PSF)	125	35	125	20
SNOW LOAD (PSF)	-	35	-	42
STRUCTURE DEAD LOAD (PSF)	VARIES	S.W.	140	S.W.
SUPERIMPOSED DEAD LOAD (PSF)	-	10	5	10

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

- | PLATFORMS   | VIRTUAL CIRCULATION  |
|---|--|
| 2. ROOF SNOW LOAD:<br>GROUND SNOW LOAD: Pg = 50 PSF<br>SNOW EXPOSURE FACTOR: Ce = 0.9<br>SNOW IMPORTANCE FACTOR: I = 1.0<br>THERMAL FACTOR: Ct = 1.2<br>FLAT ROOF SNOW LOAD: Pf = 35 PSF<br>SNOW DRIFT HAS BEEN CONSIDERED WHERE APPLICABLE.  | 2. ROOF SNOW LOAD:<br>GROUND SNOW LOAD: Pg = 50 PSF<br>SNOW EXPOSURE FACTOR: Ce = 1.0<br>SNOW IMPORTANCE FACTOR: I = 1.0<br>THERMAL FACTOR: Ct = 1.2<br>FLAT ROOF SNOW LOAD: Pf = 42 PSF<br>SNOW DRIFT HAS BEEN CONSIDERED WHERE APPLICABLE.   |
| 3. WIND LOADS:<br>RISK CATEGORY: II<br>ULTIMATE DESIGN WIND SPEED: 115 MPH<br>WIND EXPOSURE CATEGORY: B<br>INTERNAL PRESSURE COEFFICIENT: 0.18<br>COMPONENTS & CLADDING MINIMUM PRESSURE: 20 PSF  | 3. WIND LOADS:<br>RISK CATEGORY: II<br>BASIC DESIGN WIND SPEED: 115 MPH<br>WIND EXPOSURE CATEGORY: C<br>INTERNAL PRESSURE COEFFICIENT: 0.18<br>COMPONENTS & CLADDING MINIMUM PRESSURE: 20 PSF  |
| 4. SEISMIC LOADS:<br>SEISMIC USE GROUP 1<br>SPECTRAL RESPONSE COEFFICIENTS:<br>Sps = 0.064g, Sd1 = .0438g<br>SITE CLASS: D<br>BASIC SEISMIC-FORCE-RESISTING SYSTEM:<br>ORDINARY STEEL MOMENT FRAMES<br>DESIGN BASE SHEAR: 0.018W<br>SEISMIC DESIGN CATEGORY A<br>MODIFICATION FACTOR, R = 3.5 | 4. SEISMIC LOADS:<br>SEISMIC USE GROUP 1<br>SPECTRAL RESPONSE COEFFICIENTS:<br>Sps = 0.064g, Sd1 = .0438g<br>SITE CLASS: D<br>BASIC SEISMIC-FORCE-RESISTING SYSTEM:<br>ORDINARY STEEL MOMENT FRAMES<br>DESIGN BASE SHEAR: 0.02W<br>SEISMIC DESIGN CATEGORY A<br>MODIFICATION FACTOR, R = 3.5 |
| 5. DEFLECTION CRITERIA:<br>ALLOWABLE DESIGN FLOOR DEFLECTIONS ARE AS FOLLOWS:<br>DL+LL = L/240<br>LL = L/360 TYPICAL<br>LL+SDL = L/600 OR 3/8" CMU SUPPORTING SPANDREL BEAMS  | 5. DEFLECTION CRITERIA:<br>ALLOWABLE DESIGN FLOOR DEFLECTIONS ARE AS FOLLOWS:<br>DL+LL = L/240<br>LL = L/360 TYPICAL<br>LL+SDL = L/600 OR 3/8" CMU SUPPORTING SPANDREL BEAMS   |
| 6. BUILDING ALLOWABLE LATERAL DRIFT = L/400   | 6. BUILDING ALLOWABLE LATERAL DRIFT = L/400  |

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15

CIVIL EAST - VOLUME 11A  
STATIONS  
STRUCTURAL GENERAL NOTES

DISCIPLINE: STRUCTURES

SHEET NAME: E0-STR-GEN-001

SHEET

8

OF

319



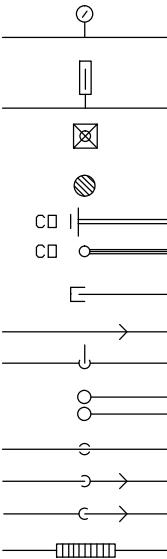
Sep. 21 2015 01:25 pm Z:\Projects\AECOM SWLRT west\3400\_ADC\CAD\OVERALL\PLUMBING\E0-PLM-GEN-001.dwg By: crdg

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



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

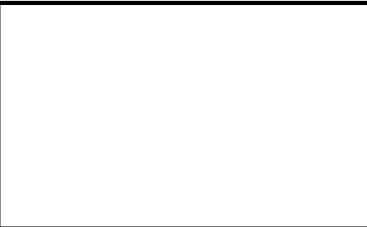
CODE MANUALS AND STANDARDS AS THEY APPLY



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 (NEC) 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 MANUFACTURES ASSOCIATIONS (NEMA) STANDARDS;
17. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) PUBLICATIONS



ABBREVIATIONS

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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL







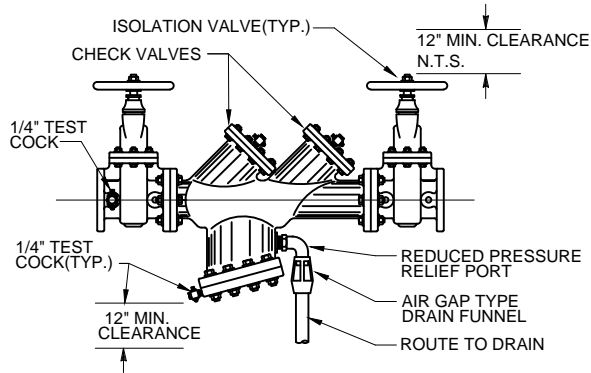
60% SUBMISSION - 09/28/15



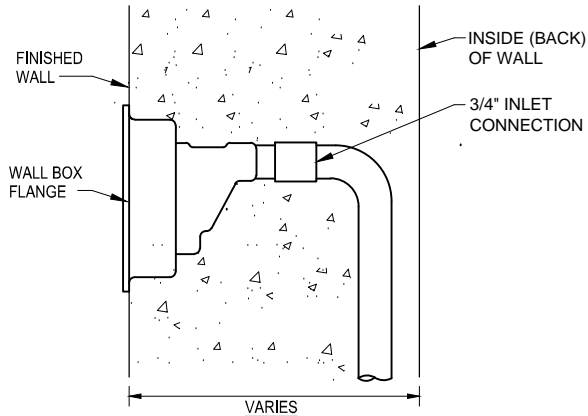
CIVIL EAST - VOLUME 11A STATIONS PLUMBING SYMBOLS AND ABBREVIATIONS	
DISCIPLINE: PLUMBING	SHEET NAME: E0-PLM-GEN-001



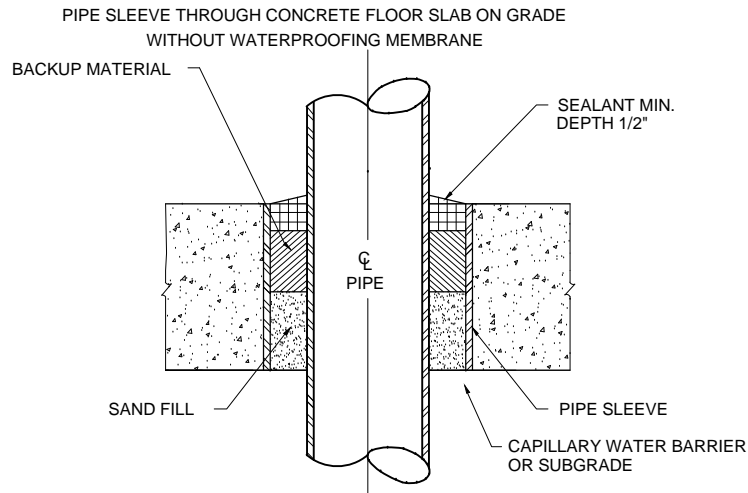
Sep. 21 2015 01:25 pm Z:\Projects\AECOM SWLRT west\3400\_ADC\CAD\OVERALL\PLUMBING\E0-PLM-DTL-001.dwg By: craig



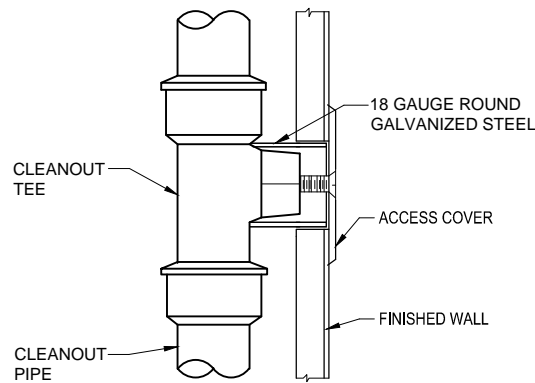
1 BACKFLOW PREVENTER DETAIL  
N.T.S.



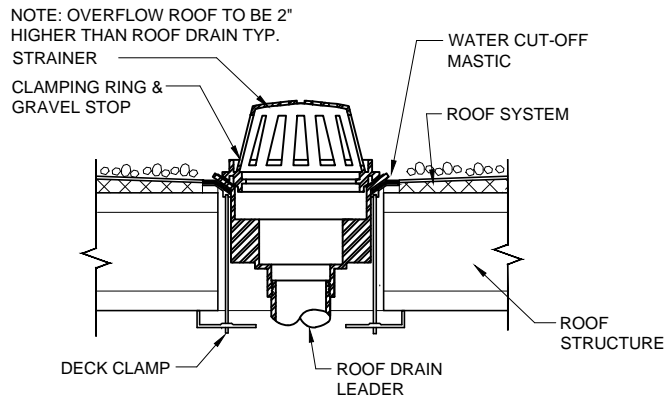
2 FREEZEPROOF WALL HYDRANT  
N.T.S.



3 PIPE SLEEVE THROUGH CONCRETE FLOOR SLAB ON GRADE  
N.T.S.



4 WALL CLEANOUT  
N.T.S.



5 ROOF DRAIN DETAIL  
N.T.S.

## 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	1.5	1.5	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		FULL LOAD AMPS	REMARKS
					VOLTS	PH		
EW-1	RESTROOM	RHEEM, EGSP2	2000	6	120	1	16.7	5 GAL ACCEPTABLE

## AREA AND ROOF DRAIN SCHEDULE

TAG	DRAIN SIZE	STRAINER MATERIAL	LOCATION	BASIS OF DESIGN	REMARKS
RD	VARIES	BRONZE	ROOF	JAY R SMITH MODEL 1310	
OFD	VARIES	BRONZE	ROOF	JAY R SMITH MODEL 1310	
TD-1	4"	STAINLESS STEEL	PLATFORM	JAY R SMITH MODEL 9814	6" WIDE, PRECAST POLYMER CONCRETE TRENCH. PROVIDE WITH HEEL PROOF GRATES.
AD-1	4"	NICKEL BRONZE	VARIOUS	JAY R SMITH MODEL 2010	ROUND NICKEL BRONZE STRAINER

## PLUMBING FIXTURE SCHEDULE

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

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

BASED ON: ZOELLER

ITEM NO.	LOCATION	SERVING	TYPE	BASIN MATERIAL	SIZE		INLETS			OUTLETS			COVER MATERIAL	REMARKS
					DIA. IN.	DEPTH IN.	NO.	SIZE IN.	ABV. BOT. IN.	NO.	SIZE IN.	ABV. BOT. IN.		
ST-1	OUTSIDE ELEVATOR PIT	ELEV PIT DRAINAGE	PREFABRICATED	FIBERGLASS	24	84	1	4	21	1	2	X	NON-CORROSIVE	PROVIDE WITH 12-INCH EXTENSION ZOELLER AND A-PAK II ALARM SYSTEM ZOELLER MODEL 10-0126.
ST-2	OUTSIDE ELEVATOR PIT	ELEV PIT DRAINAGE	PREFABRICATED	FIBERGLASS	24	84	1	4	21	1	2	X	NON-CORROSIVE	PROVIDE WITH 12-INCH EXTENSION ZOELLER AND A-PAK II ALARM SYSTEM ZOELLER MODEL 10-0126.

## SUMP PUMP

BASED ON: ZOELLER

ITEM NO.	LOCATION	SERVING	MODEL	TYPE	PUMP			MOTOR			SUMP									COVER MATERIAL	ACCESSORIES	REMARKS
					GPM EACH	DISCH. HD FT	DISCH. SIZE IN	HP	RPM	ELECTRICAL CHARACTERISITCS	BASIN MATERIAL	SIZE		INLETS			OUTLETS					
												DIA. IN.	DEPTH IN.	NO.	SIZE IN.	ABV. BOT. IN.	NO.	SIZE IN.	ABV. BOT. IN.			
SP-1	ELEVATOR SUMP	ELEV PIT DRAINAGE	4186	SIMPLEX	50	25	2	1 1/2	3450	230/3/60	FIBERGLASS	24	84	1	4	21	1	2	X	STEEL	(4) 10-0225 FLOATS, HIGH WATER ALARM MODEL 10-0092 CONTROL PANEL	(2) ELECTRICAL CIRCUITS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**ENGINEERING • LLC**  
CERTIFIED WOMEN'S BUSINESS ENTERPRISE

**METROPOLITAN**  
COUNCIL

**SOUTHWEST**  
Green Line LRT Extension

**CIVIL EAST - VOLUME 11A**  
**STATIONS**  
**PLUMBING DETAILS AND SCHEDULES**

DISCIPLINE:  
**PLUMBING**

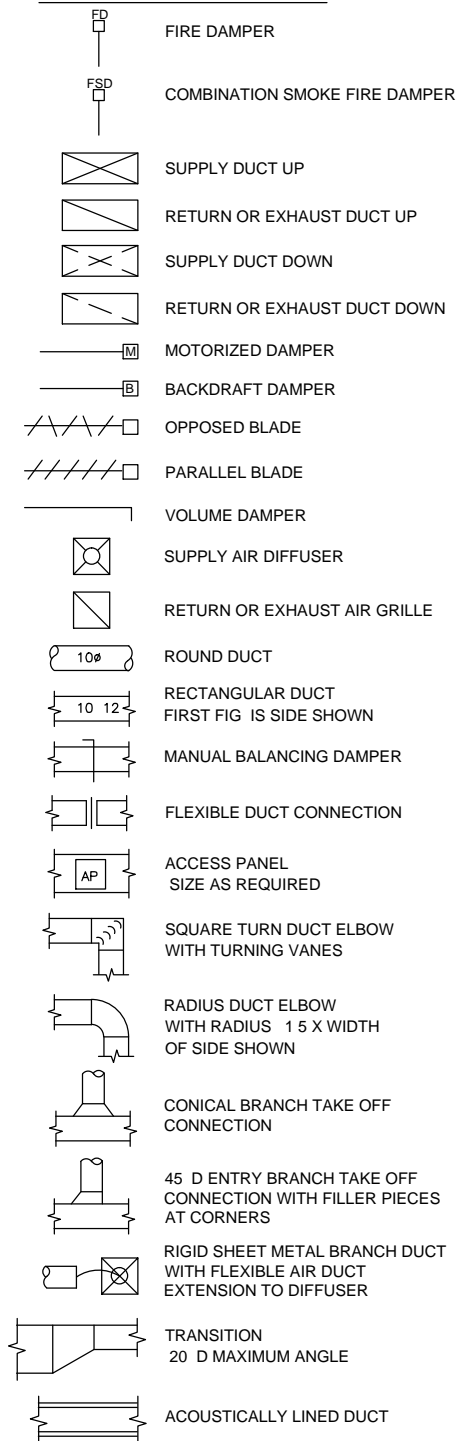
SHEET NAME:  
**E0-PLM-DTL-001**

**SHEET**  
**10**  
**OF**  
**319**

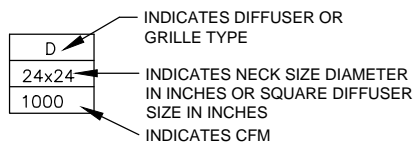
**60% SUBMISSION - 09/28/15**



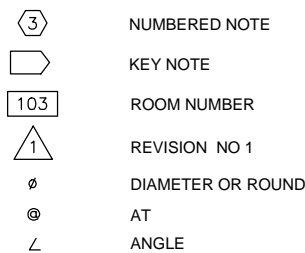
## DUCTWORK SYMBOLS



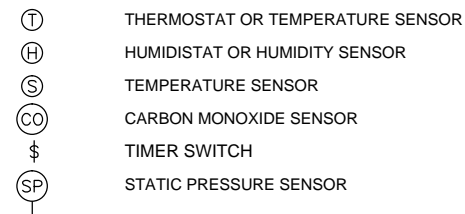
DIFFUSER DESIGNATION CODE



## GENERAL SYMBOLS



## CONTROL SYMBOLS



## 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 (NEC) 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 MANUFACTURES 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	ENCL	ENCLOSURE
AC	AIR CONDITIONING	EXH RG	EXHAUST REGISTER
ACU	AIR CONDITIONING UNIT	ESP	EXTERNAL STATIC PRESSURE
AFC	ABOVE FINISHED CEILING	EXP T	EXPANSION TANK
AFF	ABOVE FINISHED FLOOR	EXH	EXHAUST
AHU	AIR HANDLING UNIT	EXP	EXPANSION
AP	ACCESS PANEL	EXST	EXISTING
APPROX	APPROXIMATE	FA	FREE AREA
ARCH	ARCHITECT ARCHITECTURAL	FDMPR	FIRE DAMPER
AS	AIR SEPARATOR	F.F. EL	FINISHED FLOOR ELEVATION
BD	BLOWDOWN	FLR	FLOOR
BFF	BELOW FINISHED FLOOR	FPM	FEET PER MINUTE
BFV	BUTTERFLY VALVE	FRP	FIBERGLASS REINFORCED PIPE
BG	BELOW GRADE	FT	FOOT OR FEET
BHP	BRAKE HORSEPOWER	FUT	FUTURE
BEL, BLW	BELOW	GA	GAUGE GAGE
BOD	BOTTOM OF DUCT ELEVATION A F F	GEN	GENERAL
BOP	BOTTOM OF PIPE ELEVATION A F F	GFCI	GROUND-FAULT CIRCUIT INTERRUPTER
BOT	BOTTOM	GPM	GALLONS PER MINUTE
BTU	BRITISH THERMAL UNIT	GR	GRADE GROUND
BTUH	BTU PER HOUR	GRL	GRILLE
CA	COMPRESSED AIR	GV	GRAVITY VENT
CC	COOLING COIL	H	HIGH, HEIGHT
CLG DIFF	CEILING DIFFUSER	HC	HEATING COIL
CFH	CUBIC FEET PER HOUR	HD GR	HEAVY DUTY GRILLE
CFM	CUBIC FEET PER MINUTE	RHG	REFRIGERANT HOT GAS
CI	CAST IRON	HORIZ	HORIZONTAL
CL	CENTER LINE	HTR	HEATER
CLG	CEILING	H STAT	HUMIDISTAT
CPRSR	COMPRESSOR	HVAC	HEAT VENTILLATION & AIR CONDITIONER
COND	CONDENSATE	ID	INSIDE DIMENSION
CONN	CONNECTION	IBS	IN BEAM SPACE
CONSTR	CONSTRUCTION	IJS	IN JOIST SPACE
CONT	CONTINUED, CONTINUOUS	I E	INVERT ELEVATION
CONTR	CONTRACTOR	RL	REFRIGERANT LIQUID
COOL	COOLING	LAT	LEAVING AIR TEMPERATURE
CU	CONDENSING UNIT	L AV	LAVATORY
CUH	CABINET UNIT HEATER	L B	POUND
DIFF	DIFFUSER	L D	LINEAR DIFFUSER
DR	DRAIN	LF	LINEAL FEET
DT	DRIP TRAP	LG	LONG OR LENGTH
DEMO	DEMOLITION	LSD	LINEAR SLOT DIFFUSER
D	DIAMETER	MAU	MAKE UP AIR UNIT
DMPR	DAMPER	MAX	MAXIMUM
DN	DOWN	MBH	1000 BTU PER HOUR
E	EAST	MFG	MANUFACTURER
EA	EACH	MIN	MINIMUM
EAT	ENTERING AIR TEMPERATURE	MTR	MOTORIZED, MOTOR
EF	EXHAUST FAN	N	NORTH
ELEC	ELECTRIC	NO.	NUMBER
EL	ELEVATION		
EUH	ELECTRIC UNIT HEATER		

NTS	NOT TO SCALE	UH	UNIT HEATER
OA	OUTSIDE AIR	UG	UNDERGROUND
O.C.	ON CENTER	VERT	VERTICAL
OD	OUTSIDE DIMENSION	VFD	VARIABLE FREQUENCY DRIVE
OPNG	OPENING	W	WEST
ORD	OVERFLOW ROOF DRAIN	WT	WEIGHT
P	PUMP, PUMPED	W/	WITH
PD	PRESSURE DIFFERENCE	W /O	WITHOUT
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		

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL	<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> <div><div><div><div></div><div></div></div></div></div>
-----	------	----	-------	--------	----------------------	---



Sep. 21 2015 03:44 pm Z:\Projects\AECOM SWLRT west\3400\_ADC\CAD\OVERALL\MECHANICAL\E0-MEC-SCH-001.dwg By: craig

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						ELECTRIC HEATING		WEIGHT (LB.)	NOTES:		
								BHP	HP	ELECTRICAL	RPM	REFRIG. TYPE	TOTAL MBH	SENS. MBH	E.A.T.		L.A.T.		FILTERS			TYPE	KW
ACU -1	HOIST WAY	CARRIER	42BHE162D4L61516DE	1500	XX	.91	.5	.55	.75	208 V	1086	410A	62.85	35.13	75	67	53.6	53.3	2 IN. MERV 8 PLEATED	N/A	N/A	293	1,,2,5
ACU -2	EMR	CARRIER	40GV	471	XX	XX	.5	XX	XX	208 V	XX	410A	XX	XX	XX	XX	XX	XX	XX	XX	XX	26.4	1,,2,5
ACU -3	HOIST WAY	CARRIER	42BHE162D4L61516DE	1500	XX	.91	.5	.55	.75	208 V	1086	410A	62.85	35.13	75	67	53.6	53.3	2 IN. MERV 8 PLEATED	N/A	N/A	293	1,,2,5
ACU -4	EMR	CARRIER	40GV	471	XX	XX	.5	XX	XX	208 V	XX	410A	XX	XX	XX	XX	XX	XX	XX	XX	XX	26.4	1,,2,5
ACU -5	AMENITY	CARRIER	FV4C	1000	XX	XX	.5	XX	.5	208 V	XX	410A	29.76	11.49	75	72	64.36	63.9	XX	N/A	15	150	1,,2,5

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

GRILLE, REGISTER & DIFFUSER SCHEDULE

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

INTAKE / RELIEF HOODS

UNIT NO.	LOCATION	SERVES	MODEL NO.	FUNCTION	AIRFLOW CFM	THROAT DIM. INCHES	STATIC PRESS. * W.G.	THROAT VELOCITY F.P.M.	DAMPER TYPE	WEIGHT (LB.)	ACCESSORIES	REMARKS
X	HOISTWAY	HOISTWAY	WRH	RELIEF	N/A	24 X 20	X	500	CONTROL	98	ROOF CURB, ACTUATOR, OPEN/CLOSE INDICATOR	FIRE FIGHTER KEYED SMOKE EXHAUST

AIR CONDITIONING CONDENSER

UNIT NO.	LOCATION	MFR/MODEL NO.	CAPACITY		REFRIGERANT TYPE	AMB. TEMP. °F	SUCT. TEMP. °F	COND. FAN HP	MINIMUM CIRCUIT AMPACITY	AIR FLOW CFM	ELECTRICAL		WEIGHT (LB.)	NOTES
			TOTAL MBH	NOM. TONS							VOLTS	PH		
CU -1	UNDER STAIR	CARRIER 24AHA448A005	XX	4	R-410a	XX	XX	XX	XX	N/A	208	3	213	1,3,4
CU -2	HUNG UNDER STAIR	CARRIER 38GVC	18	XX	R-410a	XX	XX	XX	XX	N/A	208	3	112.2	1,2,3
CU -3	UNDER STAIR	CARRIER 24AHA448A005	XX	4	R-410a	XX	XX	XX	XX	N/A	208	3	213	1,3,4
CU -4	HUNG UNDER STAIR	CARRIER 38GVC	18	XX	R-410a	XX	XX	XX	XX	N/A	208	3	112.2	1,2,3
CU -5	AMENITY ROOF	CARRIER 24AHA	XX	2.5	R-410a	XX	XX	XX	XX	N/A	208	3	213	1,3,4

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

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		
EX -1	BRIDGE LOBBY	BRIDGE LOBBY	COOK 60SQN-B	150	.5	1919	XX	INLINE	BELT	XX	1/4	115	1	50	1,2
EX -2	PLATFORM LOBBY	PLATFORM LOBBY	COOK 60SQN-B	100	.5	1625	XX	INLINE	BELT	XX	1/4	115	1	50	1,2
EX -3	BRIDGE LOBBY	BRIDGE LOBBY	COOK 60SQN-B	150	.5	1919	XX	INLINE	BELT	XX	1/4	115	1	50	1,2
EX -4	PLATFORM LOBBY	PLATFORM LOBBY	COOK 60SQN-B	100	.5	1625	XX	INLINE	BELT	XX	1/4	115	1	50	1,2

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

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	INTER-LOCK WITH	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	X	X	X

- NOTES:  
1. STAND ALONE FUSED DISCONNECT BY DIVISION 16  
2. UNIT HEATER HUNG AT X FT AFF  
3. HORIZONTAL CONFIGURATION

ELECTRIC HEATERS

UNIT NO.	LOCATION	SERVICE	TYPE	ELECTRICAL DATA				WEIGHT (LB.)	REMARKS
				VOLTS	PHASE	AMPS	KW		
EUH -1	EMR	X	UNIT HEATER	208	1	14.5	3	24	1,2,3
EUH -2	EMR	X	UNIT HEATER	208	1	14.5	3	24	1,2,3
EWH -1	AMENITY	X	WALL HEATER	208	1	4.8	1	10	X
EWH -2	AMENITY	X	WALL HEATER	208	1	4.8	1	10	X
EDH -1	AMENITY	X	DUCT HEATER	208	1	X	4	X	X

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

ENGINEERING • LLC  
CERTIFIED WOMEN'S BUSINESS ENTERPRISE

METROPOLITAN  
COUNCIL

SOUTHWEST  
Green Line LRT Extension



CIVIL EAST - VOLUME 11A  
STATIONS  
MECHANICAL SCHEDULES

DISCIPLINE:  
MECHANICAL

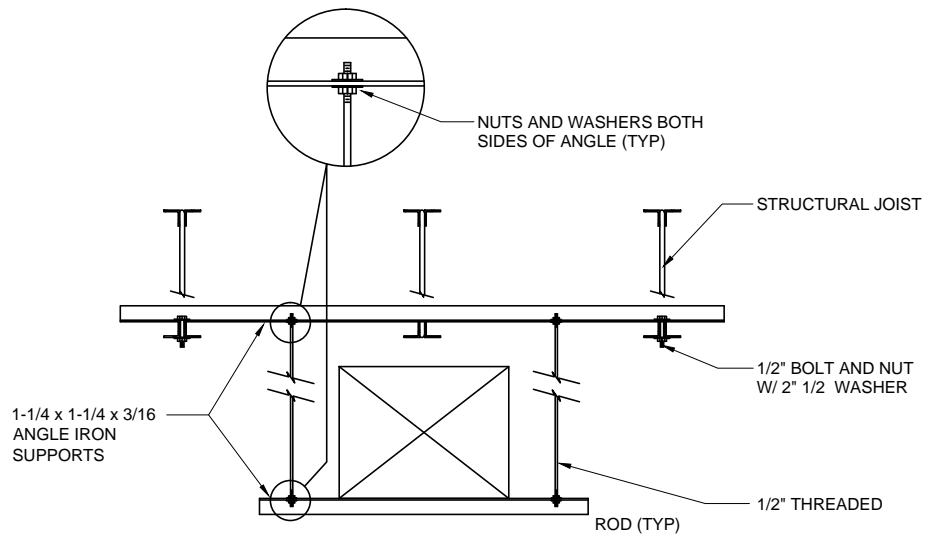
SHEET NAME:  
E0-MEC-SCH-001

SHEET  
12  
OF  
319

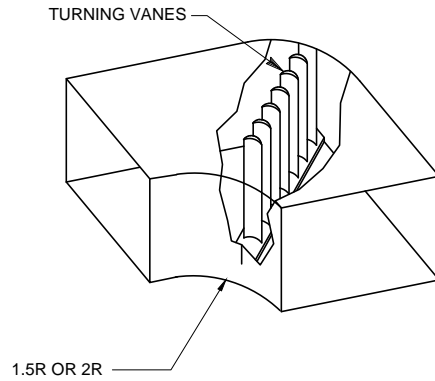
60% SUBMISSION - 09/28/15



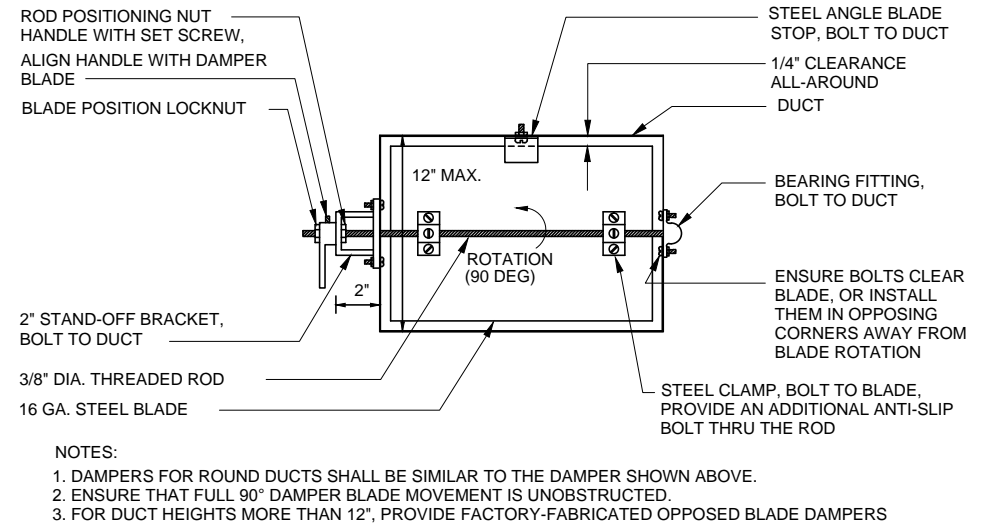
Sep. 21 2015 03:43 pm Z:\Projects\AECOM SWLRT west\3400\_ADC\CAD\OVERALL\MECHANICAL\E0-MEC-DTL-001.dwg By: craig



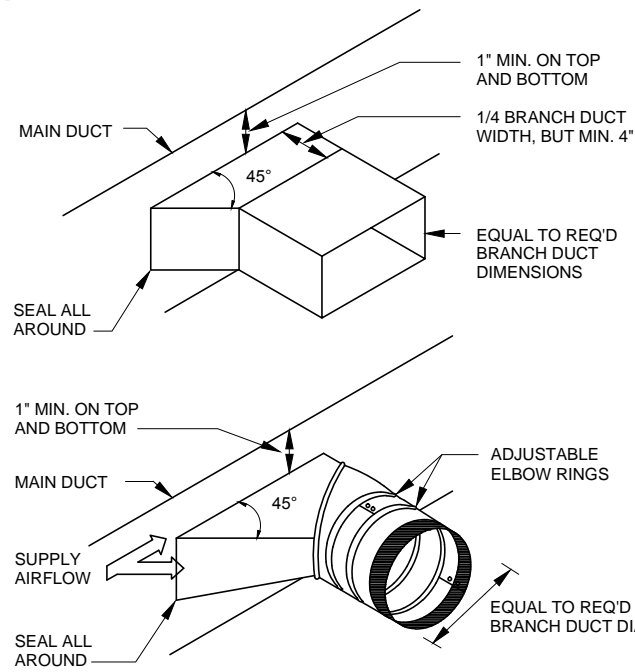
1 DUCT HANGER DETAIL  
N.T.S.



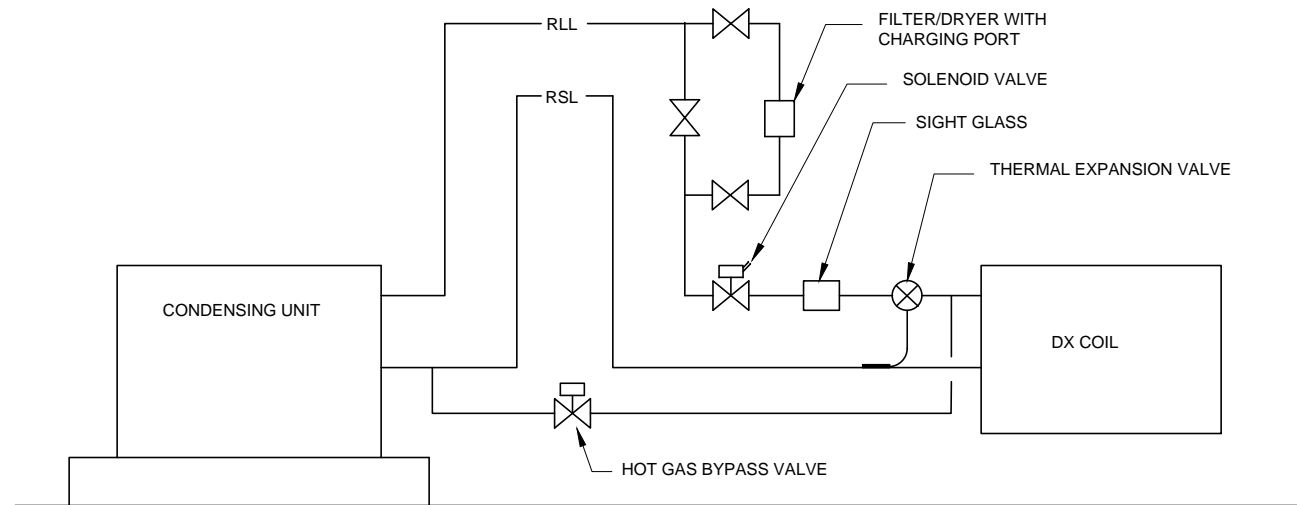
2 TYPICAL ELBOW DETAIL  
N.T.S.



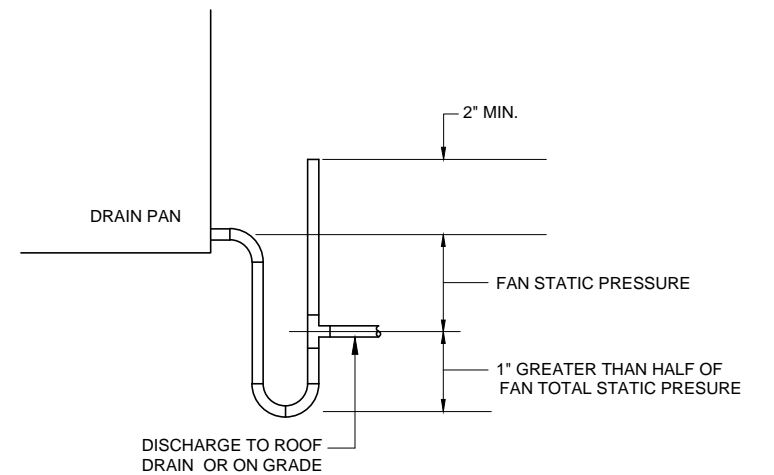
3 MANUAL DAMPER  
(ADJUSTABLE SINGLE-BLADE BALANCING TYPE)  
N.T.S.



4 TYPICAL BRANCH TAKE-OFF FITTING  
N.T.S.



5 REFRIGERANT SCHEMATIC  
N.T.S.



6 CONDENSATE DRAIN TRAP DETAIL  
N.T.S.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

ENGINEERING • LLC  
CERTIFIED WOMEN'S  
BUSINESS ENTERPRISE

**METROPOLITAN**  
COUNCIL

**SOUTHWEST**  
Green Line LRT Extension

60% SUBMISSION - 09/28/15

**CIVIL EAST - VOLUME 11A**  
**STATIONS**  
**MECHANICAL DETAILS**



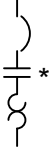



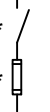

















DISCIPLINE: **MECHANICAL**





























SHEET NAME: **E0-MEC-DTL-001**

**SHEET**  
**13**  
**OF**  
**319**



Sep, 25 2015 08:04 am V:\3400\_ADC\CAD\SEGMENT W1\PLAN SHEETS\ELECTRICAL\E0-ELE-GEN-001.dwg By: V-Bege.B

ONELINE OR CONTROL DIAGRAM	PLAN	DESCRIPTION
		LOW VOLTAGE AIR OR MOLDED CASE CIRCUIT BREAKER, 3 POLE UNLESS OTHERWISE NOTED
		COMBINATION MOTOR CIRCUIT PROTECTOR AND MAGNETIC MOTOR STARTER, FULL VOLTAGE NON-REVERSING UNLESS OTHERWISE NOTED: * FVR - FULL VOLTAGE REVERSING RVNR - REDUCED VOLTAGE NON-REVERSING 2S1W - TWO SPEED, ONE WINDING 2S2W - TWO SPEED, TWO WINDING
	 *	NON-FUSIBLE DISCONNECT SWITCH, 600 VOLT, 3 POLE AMPERE RATING NOTED IF OTHER THAN 30A
	 *	FUSIBLE DISCONNECT SWITCH, 600 VOLT, 3 POLE, AMPERE RATING AND FUSE SIZE AS NOTED AMPERE RATING NOTED IF OTHER THAN 30A FUSE RATING EXAMPLE 15
	 P 2	MANUAL MOTOR STARTER WITH THERMAL OVERLOAD HEATER "P" INDICATES WITH PILOT LIGHT "2" INDICATES TWO POLE
480V Δ TO 120/208Y 30 KVA K-*	 T	TRANSFORMER, RATINGS AND CONNECTIONS AS NOTED. UNLESS OTHERWISE NOTED ON THE SINGLE LINE DIAGRAMS ALL DRY TYPE TRANSFORMERS SERVICING ADMINISTRATIVE AND LABORATORY SPACES SHALL HAVE A K FACTOR OF 13. ALL OTHER DRY TYPE TRANSFORMERS SHALL HAVE A K-4 RATING. ISOLATION TRANSFORMERS SHALL HAVE A K-20 RATING
	—	CURRENT TRANSFORMER * QUANTITY A = PRIMARY AMPERES
	—	POTENTIAL TRANSFORMER * QUANTITY V = PRIMARY VOLTAGE
		GENERATOR RECEPTACLE OR GENERATOR, RATINGS AND CONNECTIONS AS NOTED
100A MTS 	—	MANUAL TRANSFER SWITCH NO. 1 (MTS-1) "N" INDICATES NORMAL SOURCE "S" INDICATES STANDBY SOURCE 100A INDICATES CONTINUOUS CURRENT RATING
		UNIT HEATER - ELECTRIC HEATING COIL AND FAN
—		UNIT HEATER - STEAM OR WATER HEATING COIL AND FAN
		MOTOR, NUMERAL INDICATES HORSEPOWER
	—	SPECIAL CAPACITOR * SC - SURGE CAPACITOR PF - POWER FACTOR CORRECTION CAPACITOR
	—	PUSHBUTTON, MOMENTARY CONTACT, SPRING RETURN, NORMALLY CLOSED
	—	PUSHBUTTON, MOMENTARY CONTACT, SPRING RETURN, NORMALLY OPEN

ONELINE OR CONTROL DIAGRAM	PLAN	DESCRIPTION
	—	CONDUCTORS OR CONDUITS CROSSING PATHS BUT NOT CONNECTED
	—	CONDUCTORS ELECTRICALLY CONNECTED
	—	DAMPER MOTOR
	—	PILOT LIGHT, COLOR AS NOTED R - RED G - GREEN B - BLUE W - WHITE A - AMBER
	—	PILOT LIGHT, PUSH-TO-TEST TYPE, COLOR AS NOTED ABOVE
	—	LIGHTNING ARRESTER
		GROUND OR GROUND ROD
	—	FUSE, AMPERE RATING AS NOTED
—		HEAT TRACE CABLE
		STRIP HEATER OR HEATING ELEMENT
	—	CONTACT, NORMALLY OPEN (NO)
	—	CONTACT, NORMALLY CLOSED (NC)
	—	CONTROL RELAY COIL, NUMBER AS INDICATED
	—	TIME DELAY RELAY RANGE AS NOTED SETPOINT AS NOTED TDE-TIME DELAY AFTER ENERGIZATION-ON DELAY TDD-TIME DELAY AFTER DE-ENERGIZATION-OFF DELAY
	—	NOTC-NORMALLY OPEN, TIMED CLOSING WHEN ENERGIZED
	—	NCTO-NORMALLY CLOSED, TIMED OPENING WHEN ENERGIZED
	—	NOTO-NORMALLY OPEN, TIMED OPENING WHEN DE-ENERGIZED
	—	NCTC-NORMALLY CLOSED, TIMED CLOSING WHEN DE-ENERGIZED
	 TS OR  T OR *	TEMPERATURE SWITCH OR THERMOSTAT
	—	NORMALLY OPEN, CLOSES ON RISING TEMPERATURE
	—	NORMALLY OPEN, CLOSES ON DROPPING TEMPERATURE
	—	NORMALLY CLOSED, OPENS ON RISING TEMPERATURE
	—	NORMALLY CLOSED, OPENS ON DROPPING TEMPERATURE
	—	INDICATES LIMITS OF EQUIPMENT OR WIRING ENCLOSURE

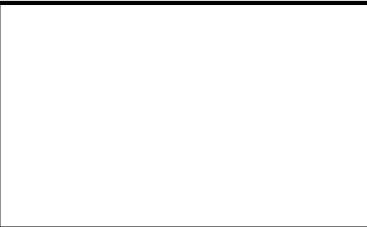
ELECTRICAL ABBREVIATIONS	
AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
A.AMP	AMPERE
AUTO	AUTOMATIC
AUX	AUXILIARY
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CAR	COUNCIL AUTHORIZED REPRESENTATIVE
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CPT	CONTROL POWER TRANSFORMER
CR	CONTROL RELAY
CS	CONTROL SWITCH
CT	CURRENT TRANSFORMER
CU	COPPER
DC	DIRECT CURRENT
DI	DOOR INTERLOCK
DN	DOWN
EC	EMPTY CONDUIT
ELEC	ELECTRICAL
ELEV	ELEVATION
EM	EMERGENCY
FBO	FURNISHED BY OTHERS
FO	FIBER OPTIC
FU	FUSE
GCP	GENERATOR CONTROL PANEL
GEC	GROUNDING ELECTRODE CONDUCTOR
GEN	GENERATOR
G.GRD	GROUND
GF	GROUND FAULT INTERRUPTER
GRS	GALVANIZED RIGID STEEL
HH	HANDHOLE
HPB	HEATER PUSH BUTTON
HT	HEIGHT
HTR	HEATER
HZ	HERTZ
INST	INSTANTANEOUS
KSK	KIOSK
LA	LIGHTNING ARRESTER
LGTS	LIGHTS
LP	LIGHTING PANEL
MCC	MOTOR CONTROL CENTER
MFR	MANUFACTURER
MH	MANHOLE
MTG	MOUNTING
MTD	MOUNTED
MTS	MANUAL TRANSFER SWITCH
NC	NORMALLY CLOSED
NO	NORMALLY OPEN OR NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OL	OVERLOAD
PH	PHASE
P.POL	POLE
PR	PAIR
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
REC	RECEPTACLE
SC	SURGE CAPACITOR
SCR	STATION COMMUNICATIONS ROOM
SEC	SECONDS OR SECONDARY
SER	STATION ELECTRICAL ROOM
SH	SHIELDED OR SHEET
SN	SOLID NEUTRAL
SS	STAINLESS STEEL

ELEC ABBREVIATIONS CONT.	
SW	SWITCH
SWGR	SWITCHGEAR
TC	TIME DELAY ON CLOSING
TEL	TELEPHONE
TO	TIME DELAY ON OPENING
TVM	TICKET VENDING MACHINE
TW	TWISTED
TYP	TYPICAL
UG	UNDERGROUND
V	VOLTS
W	WIRE
WP	WEATHERPROOF
XFMR	TRANSFORMER

NOTES

- HOMERUNS SHOWN CONCEALED SHALL BE INDICATIVE OF ENTIRE CIRCUIT INSTALLATION. THE SAME SHALL APPLY FOR HOMERUNS SHOWN EXPOSED. REFER TO SPECIFICATIONS FOR MATERIALS AND INSTALLATION REQUIREMENTS.
- CONDUIT AND WIRE (NOT SHOWN) FOR FIXTURES, SWITCHES AND/OR RECEPTACLES SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AND SHALL BE:
  - 1" (MIN.) CONDUIT RUN
  - EXPOSED IN UNFINISHED AREAS.
  - CONCEALED ABOVE HUNG CEILINGS AND IN WALLS IN FINISHED AREAS.
  - NO. 12 COPPER (MIN.) TYPE "THWN/THHN" NO. OF WIRES REQUIRED.
- THE WIRING DIAGRAMS, QUANTITY AND SIZE OF WIRES AND CONDUIT REPRESENT A SUGGESTED ARRANGEMENT BASED UPON SELECTED STANDARD COMPONENTS OF ELECTRICAL EQUIPMENT. MODIFICATIONS ACCEPTABLE TO THE CAR MAY BE MADE BY THE CONTRACTOR TO ACCOMMODATE EQUIPMENT ACTUALLY PURCHASED. THE BASIC SEQUENCE AND METHOD OF CONTROL MUST BE MAINTAINED AS INDICATED ON THE DRAWINGS AND/OR SPECIFICATIONS.
- SWITCHES SHALL BE MOUNTED 4'-0" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. RECEPTACLES SHALL BE MOUNTED 4'-0" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED, EXCEPT RECEPTACLES IN OFFICES OR AREAS WITH HUNG CEILINGS, WHICH SHALL BE MOUNTED 1'-6" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
ELECTRICAL  
SYMBOLS AND ABBREVIATIONS  
1 OF 2



















DISCIPLINE: ELECTRICAL  
SHEET NAME: E0-ELE-GEN-001

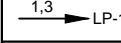
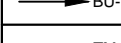
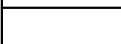
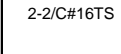
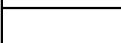
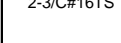
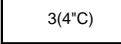
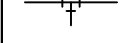
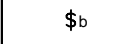
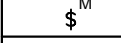
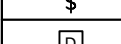
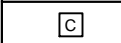
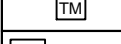
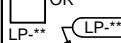
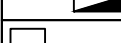
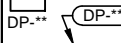
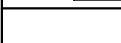
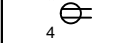
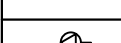
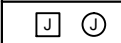
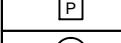
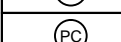
SHEET


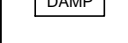
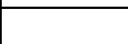

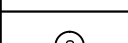
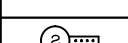




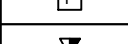
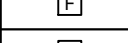



14  
OF  
319





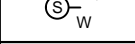

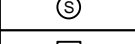
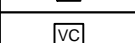
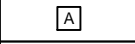
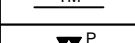
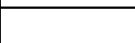
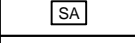

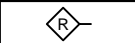

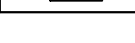




Sep. 25 2015 08:04 am V:\3400\_ADC\CAD\SEGMENT W1\PLAN SHEETS\ELECTRICAL\E0-ELE-GEN-002.dwg By: V-Bege,B

SYMBOL	DESCRIPTION
	LED, COMPACT FLUORESCENT OR H.I.D. TYPE LUMINAIRE "A" - LUMINAIRE TYPE "b" - CONTROLLED BY SWITCH "b" "3" - CIRCUIT NUMBER
	LED OR FLUORESCENT TYPE LUMINAIRE, NOTATIONS SAME AS ABOVE
	WALL OUTLET AND LED, COMPACT FLUORESCENT OR H.I.D. TYPE LUMINAIRE, NOTATIONS SAME AS ABOVE
	EMERGENCY LIGHTING BATTERY UNIT WITH TWO LAMP HEADS "A" - LUMINAIRE TYPE
	CEILING MOUNTED EXIT SIGN
	WALL OUTLET EXIT SIGN. ARROW INDICATES DIRECTION OF EGRESS
	REMOTE EMERGENCY CEILING LUMINAIRE
	REMOTE EMERGENCY WALL LUMINAIRE
	POLE MOUNTED LUMINAIRE "A" - LUMINAIRE TYPE "1" - CIRCUIT NUMBER
	BRANCH CIRCUIT CONDUIT WITH 2 NO. 12 AWG BRANCH CIRCUIT CONDUCTORS AND 1 NO. 12 AWG GROUND CONDUCTOR INSTALLED EXPOSED. FOR MINIMUM SIZE CONDUIT PERMITTED REFER TO THE SPECIFICATIONS.
	BRANCH CIRCUIT CONDUIT WITH 2 NO. 12 AWG BRANCH CIRCUIT CONDUCTORS AND 1 NO. 12 AWG GROUND CONDUCTOR INSTALLED CONCEALED. FOR MINIMUM SIZE CONDUIT PERMITTED REFER TO THE SPECIFICATIONS.
	BRANCH CIRCUIT CONDUIT INSTALLED EXPOSED TURNING UP. CONDUIT TO CONTAIN 2 NO. 12 AWG BRANCH CIRCUIT CONDUCTORS AND 1 NO. 12 AWG GROUND CONDUCTOR. FOR MINIMUM SIZE CONDUIT PERMITTED REFER TO THE SPECIFICATIONS.
	BRANCH CIRCUIT CONDUIT INSTALLED EXPOSED TURNING DOWN. CONDUIT TO CONTAIN 2 NO. 12 AWG BRANCH CIRCUIT CONDUCTORS AND 1 NO. 12 AWG GROUND CONDUCTOR. FOR MINIMUM SIZE CONDUIT PERMITTED REFER TO THE SPECIFICATIONS.
	BRANCH CIRCUIT CONDUIT INSTALLED CONCEALED TURNING UP. CONDUIT TO CONTAIN 2 NO. 12 AWG BRANCH CIRCUIT CONDUCTORS AND 1 NO. 12 AWG GROUND CONDUCTOR. FOR MINIMUM SIZE CONDUIT PERMITTED REFER TO THE SPECIFICATIONS.
	BRANCH CIRCUIT CONDUIT INSTALLED CONCEALED TURNING DOWN. CONDUIT TO CONTAIN 2 NO. 12 AWG BRANCH CIRCUIT CONDUCTORS AND 1 NO. 12 AWG GROUND CONDUCTOR. FOR MINIMUM SIZE CONDUIT PERMITTED REFER TO THE SPECIFICATIONS.
	CONDUIT STUBBED OUT AND CAPPED
	DENOTES A QUANTITY OF TWO (2) 3-INCH CONDUITS EACH CONTAINING THREE NO. 3/0 AWG CONDUCTORS AND 1 NO. 2 AWG GROUND CONDUCTOR
	FLEXIBLE METAL CONDUIT "WHIP" FOR RECESSED LIGHTING FIXTURES AND LIQUID TIGHT MOTOR CONNECTIONS



SYMBOL	DESCRIPTION
	HOMERUN, CIRCUITS 1 AND 3 RUN TO PANEL LP-1
	HOMERUN TO EMERGENCY BATTERY UNIT BU-1
	HOMERUN TO TELEPHONE BACKBOARD
	DENOTES A QUANTITY OF TWO INSTRUMENT CABLES. EACH CABLE TO CONSIST OF TWO NO. 16 AWG CONDUCTORS TWISTED TOGETHER AND COVERED WITH A METALLIC SHIELD AND AN OVERALL PROTECTIVE JACKET. REFER TO THE SPECIFICATIONS FOR THE EXACT CABLE TO BE PROVIDED.
	SAME AS ABOVE EXCEPT CABLE TO CONSIST OF THREE NO. 16 AWG CONDUCTORS TWISTED, SHIELDED AND COVERED WITH AN OVERALL PROTECTIVE JACKET. REFER TO THE SPECIFICATIONS FOR THE EXACT CABLE TO BE PROVIDED.
	THREE 4-INCH CONDUITS
	"T" FITTING IN CONDUIT
	SINGLE POLE SWITCH "b" INDICATES SWITCHLEG SHALL CONTROL LIGHT FIXTURES WITH "b" DESIGNATION
	SINGLE POLE, DOUBLE THROW MOMENTARY CONTACT SWITCH, CENTER OFF
	SINGLE POLE SWITCH AND PILOT LIGHT
	DIMMER LIGHTING CONTROL SWITCH
	LIGHTING CONTACTOR WITH NUMBER OF POLES AS INDICATED
	TIME SWITCH
	LIGHTING PANELBOARD
	DISTRIBUTION PANELBOARD
	DUPLEX RECEPTACLE, 20A, 120V, 2P, 3W * C - MOUNTED ABOVE COUNTER-TOP GF - GROUND FAULT INTERRUPTER TYPE WP - WEATHERPROOF T - TRANSIENT VOLTAGE SURGE SUPPRESSOR 4 - CIRCUIT NUMBER
	20A, 240V, 2P, 3W, RECEPTACLE
	JUNCTION BOX
	PULL BOX
	OCCUPANCY SENSOR
	PHOTOCELL
	HANDHOLE

SYMBOL	DESCRIPTION
	INDICATES THAT ALL ELECTRICAL EQUIPMENT AND MATERIALS INSTALLED WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL BE OF NEMA 12 CONSTRUCTION (OR GASKETED AND SUITABLE FOR USE IN A DAMP LOCATION WHERE NEMA STANDARDS DO NOT APPLY) UNLESS OTHERWISE NOTED.
	INDICATES THAT ALL ELECTRICAL EQUIPMENT AND MATERIALS INSTALLED WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL BE OF NEMA 4 CONSTRUCTION (OR GASKETED AND SUITABLE FOR USE IN A WET LOCATION WHERE NEMA STANDARDS DO NOT APPLY) UNLESS OTHERWISE NOTED.
	INDICATES THAT ALL ELECTRICAL EQUIPMENT AND MATERIALS INSTALLED WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL BE OF NEMA 4X CONSTRUCTION (OR CORROSION RESISTANT CONSTRUCTION SUITABLE FOR USE IN A CORROSIVE LOCATION WHERE NEMA STANDARDS DO NOT APPLY) UNLESS OTHERWISE NOTED.
FIRE ALARM SYSTEMS	
	FIRE ALARM HEAT DETECTOR 135°F FIXED TEMPERATURE UNLESS OTHERWISE NOTED. "200" DENOTES 200°F TYPE, "R" DENOTES FIXED TEMPERATURE RATE-OF-RISE TYPE.
	FIRE ALARM SMOKE DETECTOR PHOTOCELL TYPE UNLESS OTHERWISE NOTED. "I" DENOTES IONIZATION TYPE.
	FIRE ALARM DUCT SMOKE DETECTOR
	FIRE ALARM CONTROL PANEL
	REMOTE FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM MASTER BOX
	FIRE ALARM HORN, MOUNT UP 7'-6"
	FIRE ALARM STROBE, MOUNT UP 6'-8"
	FIRE ALARM HORN AND STROBE LIGHT COMBINATION, MOUNT UP 6'-8"
	FIRE ALARM MANUAL PULL STATION, MOUNT UP 4'-0"
	FIRE ALARM BELL
	WEATHERPROOF HI-INTENSITY FIRE ALARM STROBE LIGHT

SYMBOL	DESCRIPTION
COMMUNICATIONS SYSTEMS	
	TELEPHONE HANDSET, DESK TYPE K = KEY SYSTEM
	TELEPHONE HANDSET, WALL TYPE K = KEY SYSTEM
	PAGE/PARTY TELEPHONE HANDSET, DESK TYPE
	PAGE/PARTY TELEPHONE HANDSET, WALL TYPE (MOUNT UP 4'-6")
	PAGING SPEAKER, WALL MOUNTED "H1, H2" DENOTES HORN TYPE "W" DENOTES WIDE ANGLE TYPE
	PAGING SPEAKER, WALL MOUNTED, BI-DIRECTIONAL H = HORN TYPE
	PAGING SPEAKER, FLUSH MOUNTED CEILING TYPE
	PAGING SPEAKER, SURFACE MOUNTED CEILING TYPE
	REMOTE WALL MOUNTED VOLUME CONTROL FOR CEILING SPEAKER (MOUNT UP 5'-0")
	PAGING SPEAKER AMPLIFIER ASSEMBLY
	TELEPHONE CABINET OR BACKBOARD AS NOTED
	DATA INPUT/OUTPUT CABLE OUTLET "P" DENOTES PROCESS COMPUTER SYSTEM
SECURITY SYSTEMS	
	SECURITY ALARM PANEL
	SECURITY ALARM DOOR SWITCH
	SECURITY ALARM KEY PAD
	SECURITY SYSTEM CARD ACCESS READER
	SECURITY ALARM MOTION DETECTOR
	CLOSED CIRCUIT TV CAMERA

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL


 	60% SUBMISSION - 09/28/15
---	---------------------------

 
---

CIVIL EAST - VOLUME 11A ELECTRICAL SYMBOLS AND ABBREVIATIONS 2 OF 2	
DISCIPLINE: ELECTRICAL	SHEET NAME: E0-ELE-GEN-002

SHEET
15
OF
319



Sep, 25 2015 08:04 am V:\3400\_ADC\CAD\SEGMENT W1\PLAN SHEETS\ELECTRICAL\E0-ELE-SCH-501.dwg By: V-Bege.B

TYPE	DESCRIPTION	MANUFACTURER	HOUSING	OPTICS	VOLTAGE	LAMP TYPE	DRIVER	MOUNTING	FINISH
A	SINGLE HEAD POLE MOUNTED LUMINAIRE	PHILIPS GARDCO ECOFORM ECF-1-3-75LA-4853-CW-UNV-BLP-	ONE PIECE DIE CAST ALUMINUM HOUSING, ONE PIECE DIE CAST DOOR FRAME, ELECTROSTATICALLY APPLIED POWDER COAT FINISH, IP66 RATED, 120-277V	TYPE III DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED/COOL WHITE, 8753 LUMENS	530mA	20' POLE	BLACK
B	SINGLE HEAD POLE MOUNTED LUMINAIRE	PHILIPS GARDCO ECOFORM ECF-1-4-55LA-3253-CW-UNV-BLP-	ONE PIECE DIE CAST ALUMINUM HOUSING, ONE PIECE DIE CAST DOOR FRAME, ELECTROSTATICALLY APPLIED POWDER COAT FINISH, IP66 RATED, 120-277V	TYPE IV DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED/COOL WHITE, 5823 LUMENS	530mA	20' POLE	BLACK
C	SINGLE HEAD POLE MOUNTED LUMINAIRE	PHILIPS GARDCO ECOFORM ECF-1-2-55LA-3253-CW-UNV-BLP-	ONE PIECE DIE CAST ALUMINUM HOUSING, ONE PIECE DIE CAST DOOR FRAME, ELECTROSTATICALLY APPLIED POWDER COAT FINISH, IP66 RATED, 120-277V	TYPE II DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED/COOL WHITE, 5994 LUMENS	530mA	15' POLE	BLACK
D	SINGLE HEAD POLE MOUNTED LUMINAIRE	PHILIPS GARDCO ECOFORM ECF-1-4-75LA-4853-CW-UNV-BLP-	ONE PIECE DIE CAST ALUMINUM HOUSING, ONE PIECE DIE CAST DOOR FRAME, ELECTROSTATICALLY APPLIED POWDER COAT FINISH, IP66 RATED, 120-277V	TYPE IV DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED/COOL WHITE, 8646 LUMENS	530mA	20' POLE	BLACK
E	SINGLE HEAD UTILITY POLE MOUNTED LUMINAIRE	PHILIPS GARDCO ECOFORM EC-1-2-100LA-4853-CW-UNV-BLP-	ONE PIECE DIE CAST ALUMINUM HOUSING, ONE PIECE DIE CAST DOOR FRAME, ELECTROSTATICALLY APPLIED POWDER COAT FINISH, IP66 RATED, 120-277V	TYPE II DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED, COOL WHITE, 11896 LUMENS	530mA	20' POLE	BLACK
F	SINGLE HEAD POLE MOUNTED LUMINAIRE	PHILIPS GARDCO ECOFORM ECF-1-4-160LA-481A-CW-UNV-BLP-	ONE PIECE DIE CAST ALUMINUM HOUSING, ONE PIECE DIE CAST DOOR FRAME, ELECTROSTATICALLY APPLIED POWDER COAT FINISH, IP66 RATED, 120-277V	TYPE IV DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED/COOL WHITE, 14955 LUMENS	1050mA	20' POLE	BLACK
G1	SINGLE HEAD POLE MOUNTED LUMINAIRE	PHILIPS GARDCO ECOFORM ECF-1-4-100LA-6453-CW-UNV-BLP-	ONE PIECE DIE CAST ALUMINUM HOUSING, ONE PIECE DIE CAST DOOR FRAME, ELECTROSTATICALLY APPLIED POWDER COAT FINISH, IP66 RATED, 120-277V	TYPE IV DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED/COOL WHITE, 11558 LUMENS	530mA	20' POLE	BLACK
G2	SINGLE HEAD POLE MOUNTED LUMINAIRE	PHILIPS GARDCO ECOFORM ECF-1-4-100LA-6453-CW-UNV-BLP-	ONE PIECE DIE CAST ALUMINUM HOUSING, ONE PIECE DIE CAST DOOR FRAME, ELECTROSTATICALLY APPLIED POWDER COAT FINISH, IP66 RATED, 120-277V	TYPE IV DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED/COOL WHITE, 11558 LUMENS	530mA	15' POLE	BLACK
H	SINGLE HEAD POLE MOUNTED LUMINAIRE	PHILIPS GARDCO ECOFORM ECF-1-2-70LA-3270-CW-UNV-BLP-	ONE PIECE DIE CAST ALUMINUM HOUSING, ONE PIECE DIE CAST DOOR FRAME, ELECTROSTATICALLY APPLIED POWDER COAT FINISH, IP66 RATED, 120-277V	TYPE II DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED/COOL WHITE, 7385 LUMENS	700mA	15' POLE	BLACK
I	SINGLE HEAD POLE MOUNTED LUMINAIRE	PHILIPS GARDCO ECOFORM ECF-1-4-70LA-3270-CW-UNV-BLP-	ONE PIECE DIE CAST ALUMINUM HOUSING, ONE PIECE DIE CAST DOOR FRAME, ELECTROSTATICALLY APPLIED POWDER COAT FINISH, IP66 RATED, 120-277V	TYPE IV DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED/COOL WHITE, 7293 LUMENS	700mA	15' POLE	BLACK
J	SINGLE HEAD POLE MOUNTED LUMINAIRE	PHILIPS GARDCO ECOFORM ECF-1-3-100LA-6453-CW-UNV-BLP-	ONE PIECE DIE CAST ALUMINUM HOUSING, ONE PIECE DIE CAST DOOR FRAME, ELECTROSTATICALLY APPLIED POWDER COAT FINISH, IP66 RATED, 120-277V	TYPE III DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED/COOL WHITE, 11700 LUMENS	530mA	20' POLE	BLACK
K	TWIN HEAD POLE MOUNTED LUMINAIRE	PHILIPS GARDCO ECOFORM ECF-2@90-4-100LA-6453-CW-UNV-BLP-	ONE PIECE DIE CAST ALUMINUM HOUSING, ONE PIECE DIE CAST DOOR FRAME, ELECTROSTATICALLY APPLIED POWDER COAT FINISH, IP66 RATED, 120-277V	TYPE IV DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED/COOL WHITE, 11558 LUMENS EACH	530mA	20' POLE	BLACK
L	TWIN HEAD POLE MOUNTED LUMINAIRE	PHILIPS GARDCO ECOFORM ECF-2@180-4-160LA-481A-CW-UNV-BLP-	ONE PIECE DIE CAST ALUMINUM HOUSING, ONE PIECE DIE CAST DOOR FRAME, ELECTROSTATICALLY APPLIED POWDER COAT FINISH, IP66 RATED, 120-277V	TYPE IV DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED/COOL WHITE, 14955 LUMENS EACH	1050mA	20' POLE	BLACK
M	WALLPACK LUMINAIRE	LITHONIA TWH LED TWHLED-30C-1000-4K-T3M-MVOLT-PE-DBLXD	DIE CAST ALUMINUM HOUSING HAS AN IMPACT-RESISTANT, TEMPERED GLASS LENS THAT IS FULLY GASKETED. ZINK-INFUSED SUPER DURABLE TGC THERMOSET POWDER COAT FINISH.	TYPE III MEDIUM DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED/COOL WHITE, 6391 LUMENS	1000mA	SURFACE	BLACK

1

LUMINAIRE SCHEDULE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL	<div><div>AECOM</div><div>MP Consultants</div><div>CONSULTING ENGINEERING MINNEAPOLIS • MINNESOTA</div></div>		<div><div><div><div></div></div><div>METROPOLITAN C O U N C I L</div></div><div><div>SOUTHWEST</div><div>Green Line LRT Extension</div><div></div></div></div>
-----	------	----	-------	--------	----------------------	---	--	--



Sep. 25 2015 08:04 am V:\3400\_ADC\CAD\SEGMENT W1\PLAN SHEETS\ELECTRICAL\E0-ELE-SCH-502.dwg By: V-Bege,B

TYPE	DESCRIPTION	MANUFACTURER	HOUSING	OPTICS	VOLTAGE	LAMP TYPE	DRIVER	MOUNTING	FINISH
N	SINGLE HEAD POLE MOUNTED LUMINAIRE	PHILIPS GARDCO ECOFORM ECF-1-5-160LA-481A-CW-UNV-BLP-	ONE PIECE DIE CAST ALUMINUM HOUSING, ONE PIECE DIE CAST DOOR FRAME, ELECTROSTATICALLY APPLIED POWDER COAT FINISH, IP66 RATED, 120-277V	TYPE V DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED/COOL WHITE, 14465 LUMENS	1050mA	20' POLE	BLACK
O	POST TOP POLE MOUNTED LUMINAIRE	HOLOPHANE PTUE-70-4K-AS-P3-B-S	CAST ALUMINUM HOUSING, ASYMMETRIC POLYCARBONATE REFRACTOR, GASKETED, 4000K, SPIKE FINIAL, SUPPFITTER, 120-277V	TYPE V DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED/COOL WHITE, 5183 LUMENS	350mA	15' POLE	BLACK
P	NOT USED								BLACK
Q	POST TOP POLE MOUNTED LUMINAIRE	HOLOPHANE PTUE-70-4K-AS-P3-B-S	CAST ALUMINUM HOUSING, ASYMMETRIC POLYCARBONATE REFRACTOR, GASKETED, 4000K, SPIKE FINIAL, SUPPFITTER, 120-277V	TYPE II DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED/COOL WHITE, 5427 LUMENS	530mA	15' POLE	BLACK
R	POST TOP POLE MOUNTED LUMINAIRE	HOLOPHANE PTUE-70-4K-AS-P3-B-S	CAST ALUMINUM HOUSING, ASYMMETRIC POLYCARBONATE REFRACTOR, GASKETED, 4000K, SPIKE FINIAL, SUPPFITTER, 120-277V	TYPE IV DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED/COOL WHITE, 5736 LUMENS	530mA	15' POLE	BLACK
S	TWIN HEAD POLE MOUNTED LUMINAIRE	PHILIPS GARDCO ECOFORM ECF-2@90-4-55LA-3253-CW-UNV-BLP-	ONE PIECE DIE CAST ALUMINUM HOUSING, ONE PIECE DIE CAST DOOR FRAME, ELECTROSTATICALLY APPLIED POWDER COAT FINISH, IP66 RATED, 120-277V	TYPE IV DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED/COOL WHITE, 5823 LUMENS EACH	530mA	15' POLE	BLACK
T	TWIN HEAD POLE MOUNTED LUMINAIRE	PHILIPS GARDCO ECOFORM ECF-2@90-2-55LA-3253-CW-UNV-BLP-	ONE PIECE DIE CAST ALUMINUM HOUSING, ONE PIECE DIE CAST DOOR FRAME, ELECTROSTATICALLY APPLIED POWDER COAT FINISH, IP66 RATED, 120-277V	TYPE II DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED/COOL WHITE, 5994 LUMENS EACH	530mA	15' POLE	BLACK
U	SINGLE HEAD POLE MOUNTED LUMINAIRE	PHILIPS GARDCO ECOFORM ECF-1-105LA-4870-CW-UNV-BLP-	ONE PIECE DIE CAST ALUMINUM HOUSING, ONE PIECE DIE CAST DOOR FRAME, ELECTROSTATICALLY APPLIED POWDER COAT FINISH, IP66 RATED, 120-277V	TYPE V DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED/COOL WHITE, 10494 LUMENS	700mA	20' POLE	BLACK
V	SINGLE HEAD POLE MOUNTED LUMINAIRE			TYPE II DISTRIBUTION	SEE PANELBOARD SCHEDULE	250W HIGH PRESSURE SODIUM	N/A	20' POLE	BLACK
W	TWIN HEAD POLE MOUNTED LUMINAIRE	PHILIPS GARDCO ECOFORM ECF-2@90-3-70LA-3270-CW-UNV-BLP-	ONE PIECE DIE CAST ALUMINUM HOUSING, ONE PIECE DIE CAST DOOR FRAME, ELECTROSTATICALLY APPLIED POWDER COAT FINISH, IP66 RATED, 120-277V	TYPE III DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED/COOL WHITE, 7576 LUMENS	700mA	15' POLE	BLACK
Y	WALLPACK LUMINAIRE			UP AND DOWN DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED		WALL	BLACK
Z	WALLPACK LUMINAIRE			DOWN DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED		WALL	BLACK
A1	RECESSED CAN LUMINAIRE			WIDE DISTRIBUTION	SEE PANELBOARD SCHEDULE	LED		RECESSED	WHITE TRIM

1

LUMINAIRE SCHEDULE

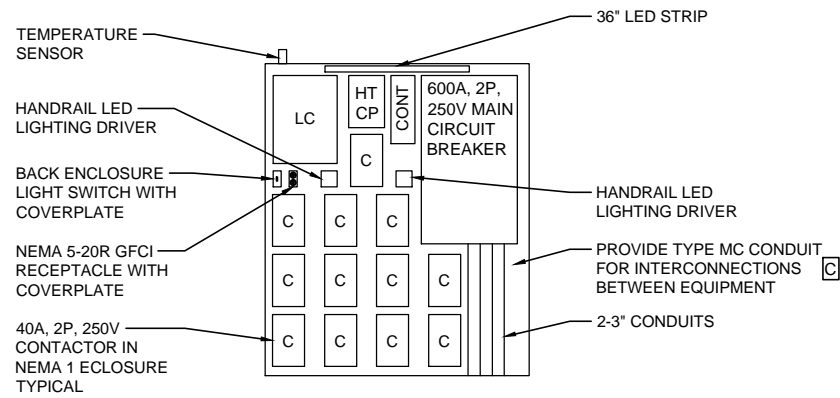
NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL	<div><div>AECOM</div><div>MP Consultants CONSULTING ENGINEERING MINNEAPOLIS • MINNESOTA</div></div>		<div><div>METROPOLITAN COUNCIL</div><div>SOUTHWEST Green Line LRT Extension</div></div>		CIVIL EAST - VOLUME 11A ELECTRICAL LUMINAIRE SCHEDULE 2 OF 3		SHEET 17 OF 319
						60% SUBMISSION - 09/28/15				DISCIPLINE: ELECTRICAL	SHEET NAME: E0-ELE-SCH-502	



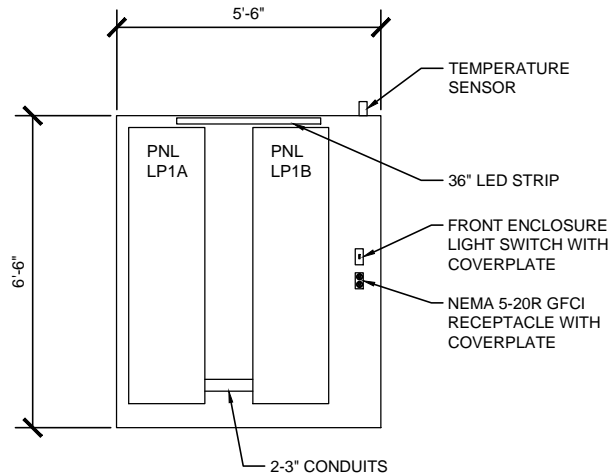




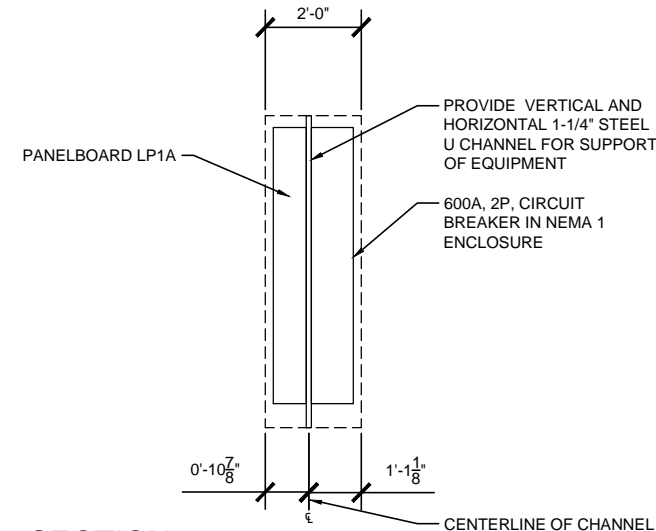
Sep. 25 2015 08:05 am V:\3400\_ADC\CAD\SEGMENT W1\PLAN SHEETS\ELECTRICAL\E0-ELE-DTL-603.dwg By: V-BegeJB



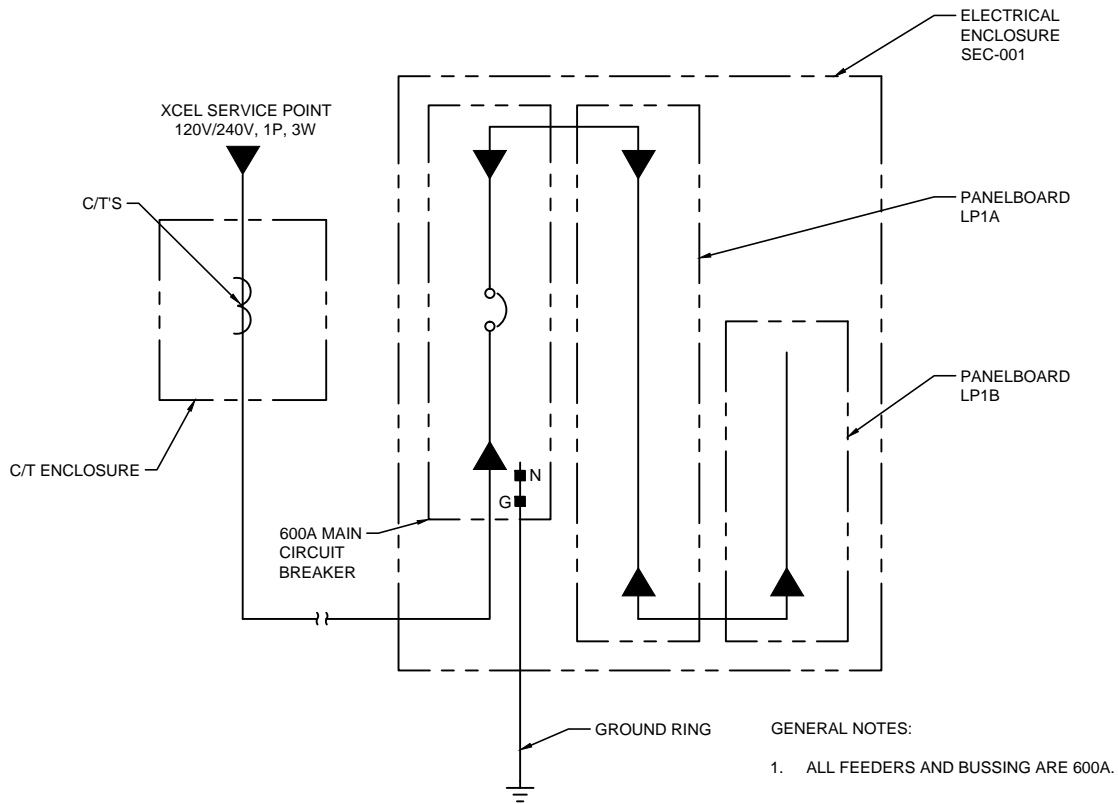
1 BACK ELEVATION  
SCALE: N.T.S.



2 FRONT ELEVATION  
SCALE: N.T.S.



3 SECTION  
SCALE: N.T.S.



4 ELECTRICAL SERVICE ONE LINE DIAGRAM  
SCALE: N.T.S.

NO.	DATE	BY	CHECK/DESIGN	REVISION / SUBMITTAL



**AECOM**

**MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

**60% SUBMISSION - 09/28/15**

**METROPOLITAN COUNCIL**

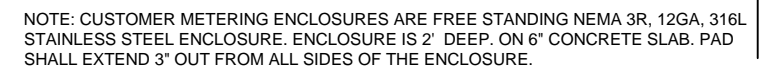
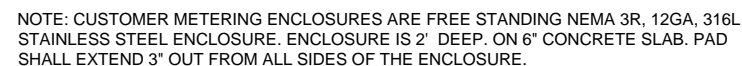
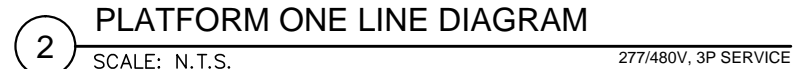
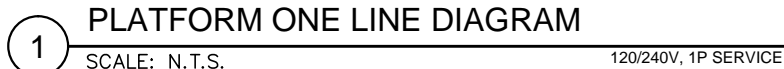
**SOUTHWEST**  
Green Line LRT Extension

**CIVIL EAST - VOLUME 11A**  
**ELECTRICAL**  
**DETAILS**  
**1 OF 4**

DISCIPLINE: **ELECTRICAL**

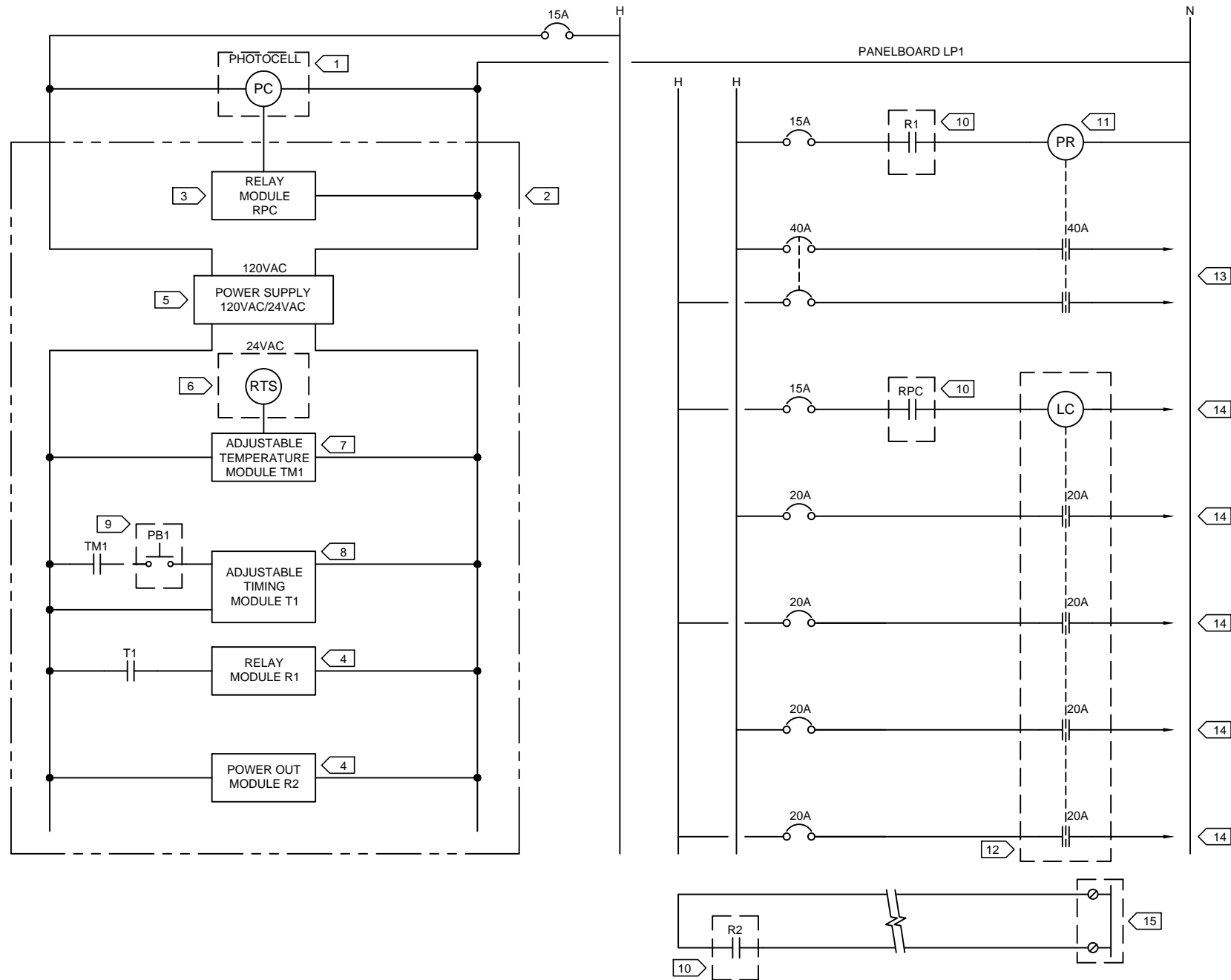
SHEET NAME: **E0-ELE-DTL-603**




[illegible]



Sep. 25 2015 08:06 am V:\3400\_ADC\CAD\SEGMENT W1\PLAN SHEETS\ELECTRICAL\E0-ELE-DTL-605.dwg By: V-BegelJB



- KEYNOTES: 
1. PHOTOCELL WITH CAST ALUMINUM HOUSING. REMOTE MOUNT AT LOCATION WITH MINIMAL NIGHT LIGHTING.
  2. DIN RAIL MOUNTED MODULES. LOCATED IN THE ELECTRICAL ENCLOSURE.
  3. SOLID STATE SPST RELAY, 120VAC INPUT/OUTPUT. PROVIDE CONTACT RATINGS FOR LOADS INDICATED.
  4. SOLID STATE SPST RELAY, 24VAC INPUT/OUTPUT. PROVIDE CONTACT RATINGS FOR LOADS INDICATED.
  5. SOLID STATE POWER SUPPLY, 120VAC IN 24VAC OUT.
  6. HERMETICALLY SEALED TEMPERATURE SENSOR. MOUNT ON TOP OF ENCLOSURE. PROVIDE PROTECTIVE METAL HOUSING.
  7. SOLID STATE ADJUSTABLE TEMPERATURE MODULE. PROVIDE WITH BRACKET AND SOCKET FOR DIN RAIL MOUNTING.
  8. SOLID STATE, DELAYED TIME, TIMER. PROVIDE TOTAL OF 12 TIMERS.
  9. 16MM 5/8" ANTI-VANDAL MOMENTARY STAINLESS STEEL METAL PUSH BUTTON SWITCH WITH SCREW TERMINALS. MOUNT IN PASSENGER SHELTER COLUMN WITH STAINLESS STEEL COVERPLATE. PROVIDE TOTAL OF 12 PUSH BUTTONS AND COVERPLATES.
  10. CONTACTS LOCATED AT DIN RAIL MOUNTED RELAY MODULES.
  11. 40A, 2P, 250V MECHANICALLY HELD, LATCHING TYPE, 2 WIRE CONTROL, NEMA 1 ENCLOSURE, PANEL MOUNTED CONTACTOR. PROVIDE TOTAL OF 12 CONTACTORS.
  12. 20A, 4 POLE, 250V MECHANICALLY HELD, LATCHING TYPE, 2 WIRE CONTROL, NEMA 1 ENCLOSURE, PANEL MOUNTED LIGHTING CONTACTOR.
  13. TO RADIANT HEATERS.
  14. TO LUMINAIRES.
  15. TO SCADA TERMINALS ON PLC. LOCATED IN COMMUNICATIONS CABINET SCC-001, VERIFY TERMINALS.

1 PLATFORM CONTROL WIRING DETAIL  
SCALE: N.T.S.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15

**METROPOLITAN**  
COUNCIL

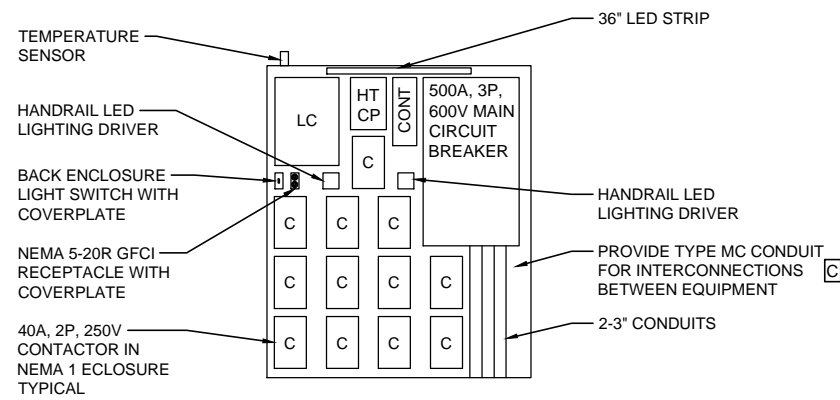
**SOUTHWEST**  
Green Line LRT Extension

**CIVIL EAST - VOLUME 11A**  
**ELECTRICAL**  
**DETAILS**  
**3 OF 4**

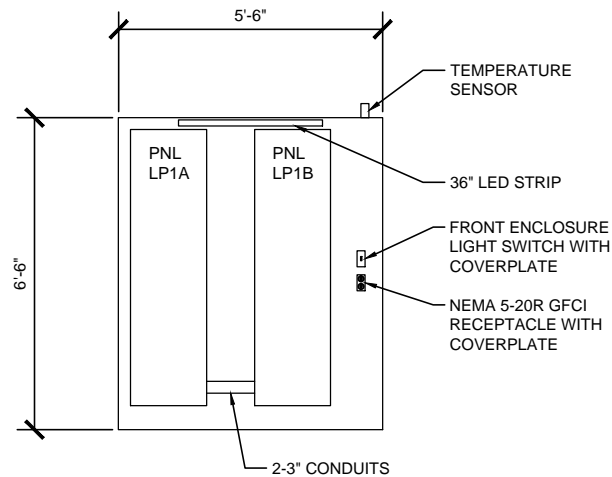
DISCIPLINE: **ELECTRICAL**  
SHEET NAME: **E0-ELE-DTL-605**

**SHEET**  
**21**  
**OF**  
**319**

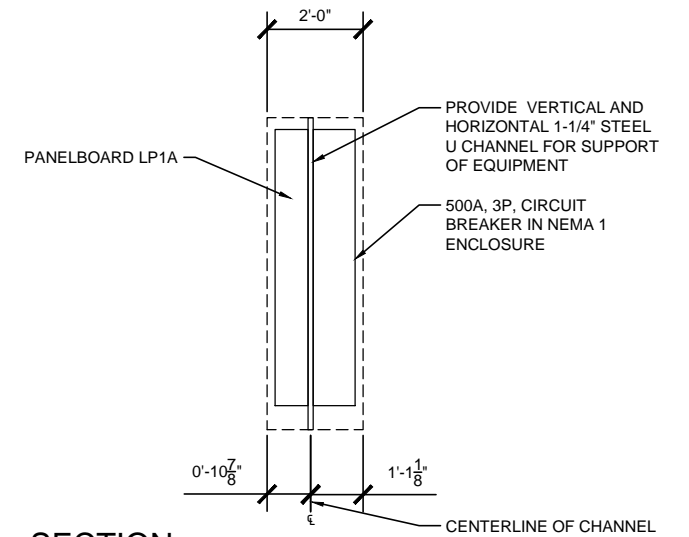




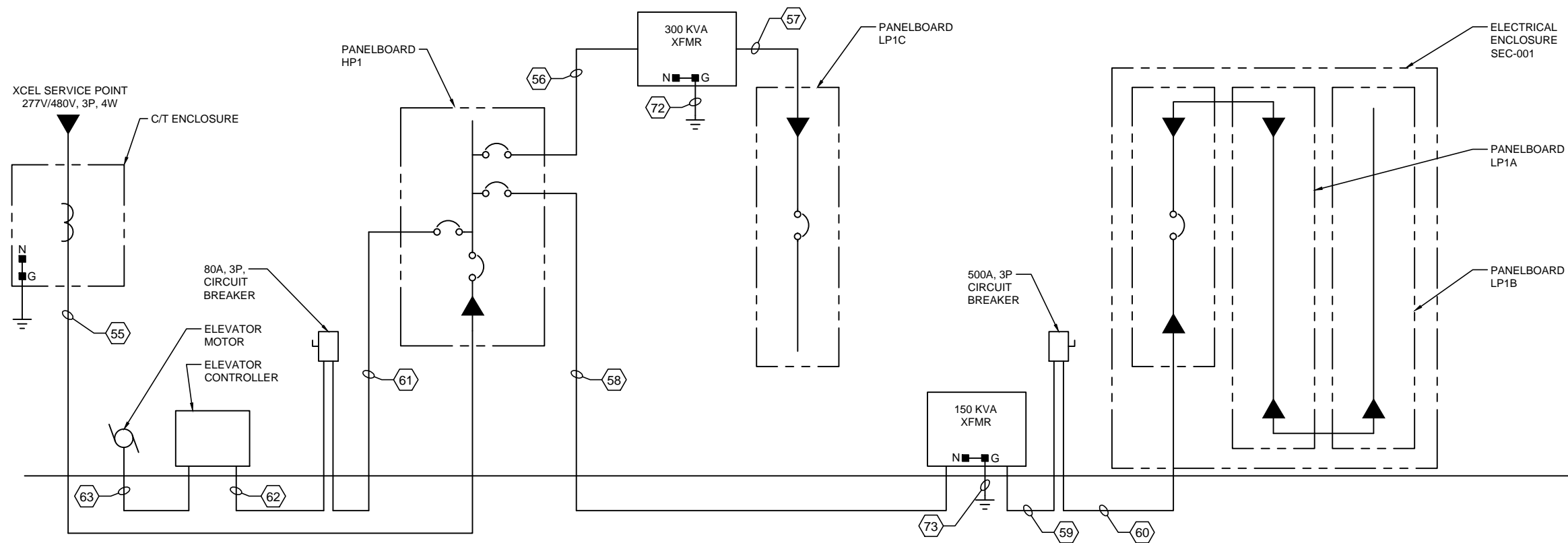
1 BACK ELEVATION  
SCALE: N.T.S.



2 FRONT ELEVATION  
SCALE: N.T.S.



3 SECTION  
SCALE: N.T.S.



4 ELECTRICAL SERVICE ONE LINE DIAGRAM  
SCALE: N.T.S.

- GENERAL NOTES:
- SEE PANELBOARD SCHEDULES ON SHEET 502 FOR PANELBOARD VOLTAGE, AMPACITY AND PHASE.
  - SEE VAN WHITE CONDUIT AND WIRE SCHEDULE ON SHEET 501 FOR CONDUIT AND WIRE SIZES FOR TAGS INDICATED.

Sep. 25 2015 08:06 am V:\3400\_ADC\CAD\SEGMENT W1\PLAN SHEETS\ELECTRICAL\E0-ELE-DTL-606.dwg By: V-BegelJB

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM** **MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA



60% SUBMISSION - 09/28/15

**CIVIL EAST - VOLUME 11A**  
**ELECTRICAL**  
**DETAILS**  
**4 OF 4**

DISCIPLINE: **ELECTRICAL**

SHEET NAME: **E0-ELE-DTL-606**

**SHEET**  
**22**  
**OF**  
**319**



CODE SUMMARY - CENTER PLATFORM  
DOWNTOWN HOPKINS STATION

CODE REFERENCES

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

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)  
5420 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 = 5420 S.F. / 15 S.F./OCC = 361  
REQUIRED EGRESS WIDTH = 361 X 0.2 = 72" (PER 1005.3.2)  
WIDTH PROVIDED = 2 RAMPS AT 145" = 290"  
2 MEANS OF EGRESS PROVIDED

NFPA 130 EXITING SUMMARY

FURTHER ANALYSIS REQUIRED

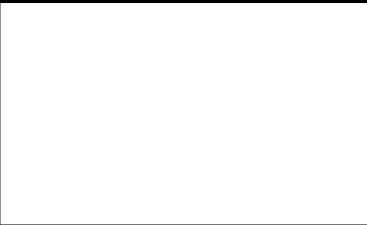
PLATFORM COLOR AND  
FINISH SCHEDULE

SEE STATION SPECIFICATIONS FOR MATERIAL IDENTIFICATION

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	TBD	CEMSTONE SPLIT ROCK	TBD	SS CABLE	CLEAR ANODIZED	HUNTER DOUGLAS WOODWRIGHT 8434 GREY BARNWOOD CEDAR	ALUCOBOND NATURAL RUSTED METAL	3FORM KODA XT YELLOW Y-03

Sep. 25 2015 10:08 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\DOWNTOWN HOPKINS STATION\E1-HOP-ARC-COD-010.dwg By: MurphysP

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





60% SUBMISSION - 09/28/15



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

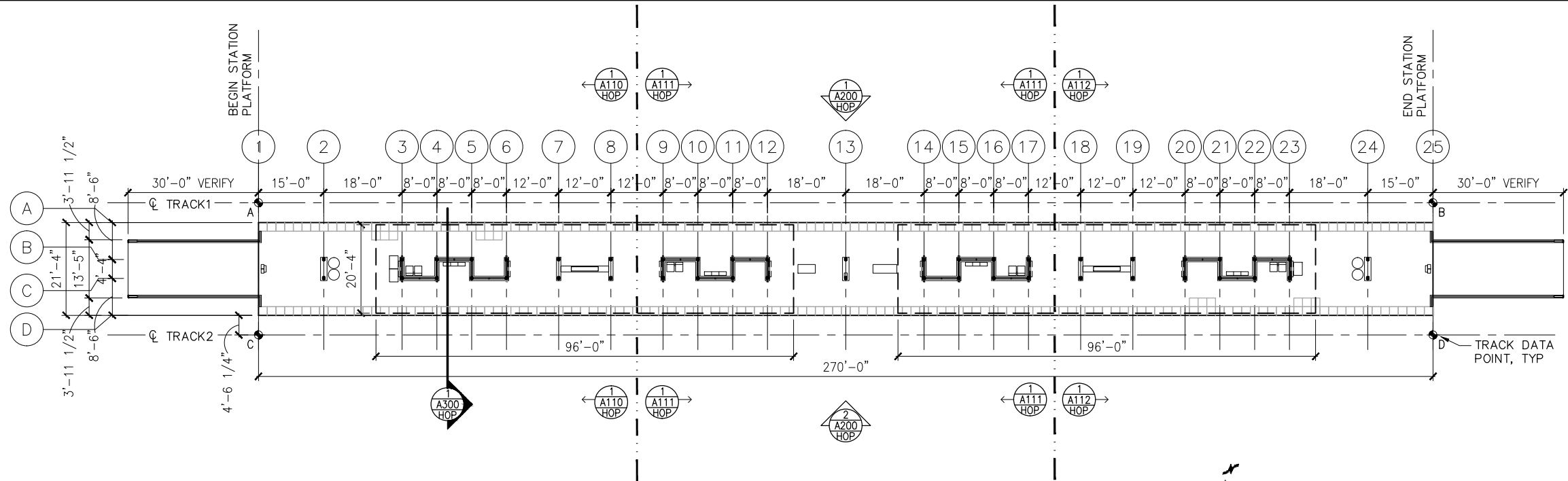
DISCIPLINE: ARCHITECTURE

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

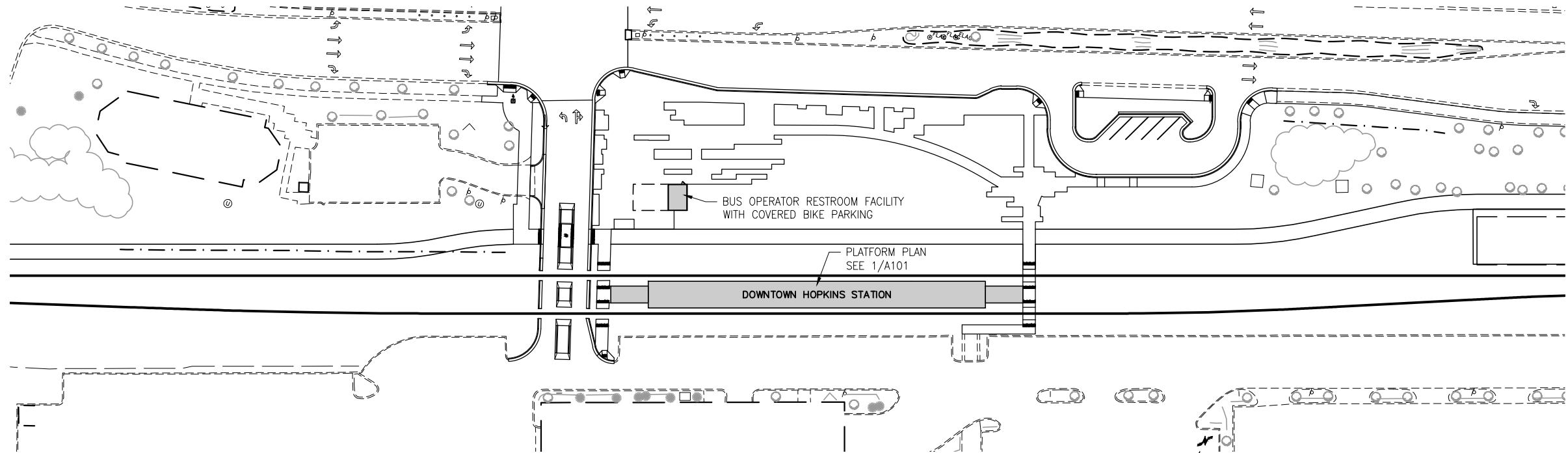
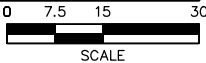
SHEET  
23  
OF  
319



Sep. 21 2015 09:43 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\DOWNTOWN HOPKINS STATION\E1-HOP-ARC-PLN-101.dwg By: V-IyerN



1 PLATFORM PLAN  
SCALE: 1"=30'



2 STATION AREA PLAN  
SCALE: 1"=100'



TRACK DATA

ELEV 100'-0" (LOCATION ON PLAN)

TRACK 1 EL 100'-0"= xxx.xx (PT 'A')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING
A	xxx.xx	xxxx+xx.xx
B	xxx.xx	xxxx+xx.xx

TRACK 2 EL 100'-0"= xxx.xx (PT 'C')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING
C	xxx.xx	xxxx+xx.xx
D	xxx.xx	xxxx+xx.xx

SECTION DIAGRAM AT PLATFORM EDGE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



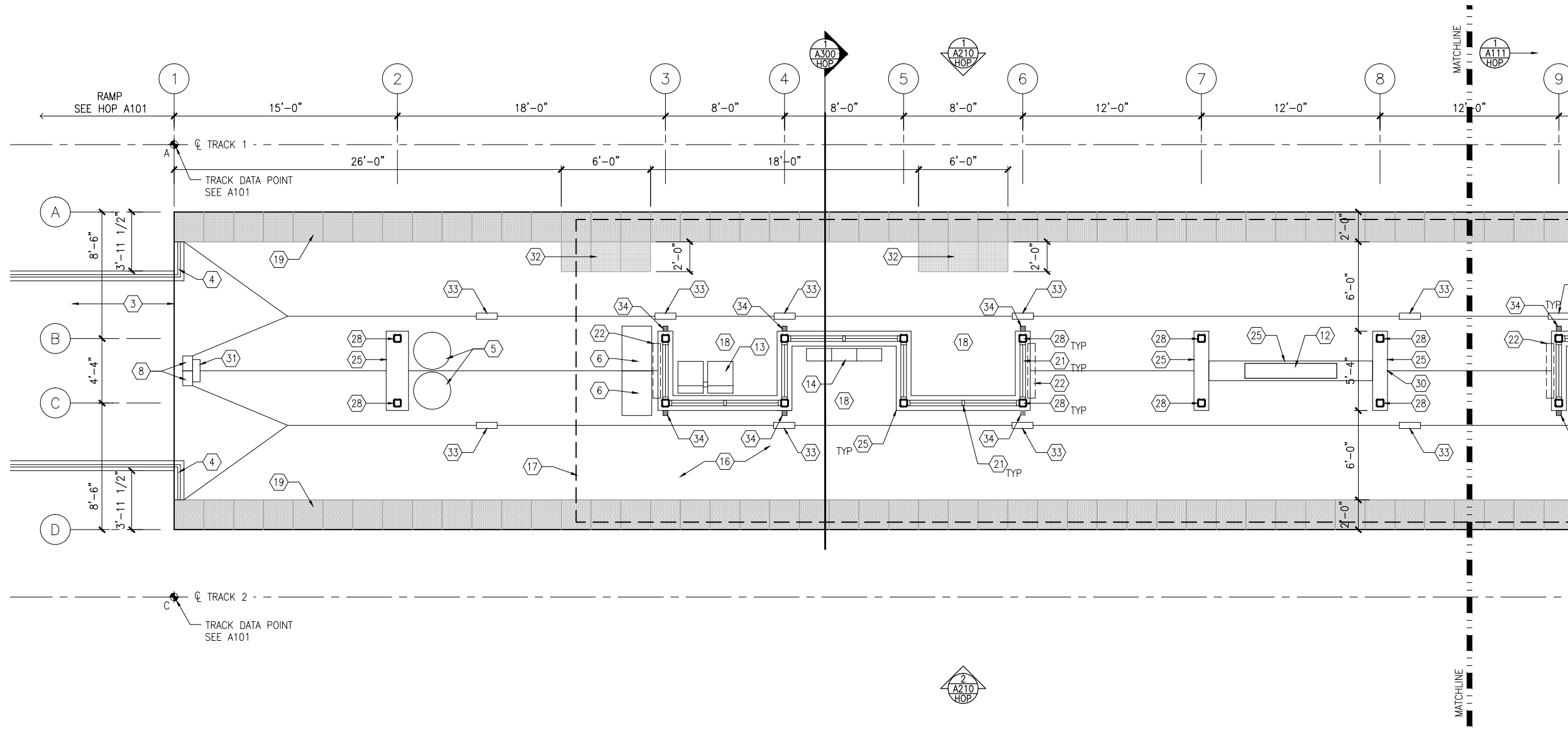
CIVIL EAST - VOLUME 11A  
DOWNTOWN HOPKINS STATION  
PLATFORM PLAN

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

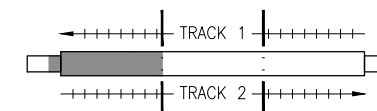
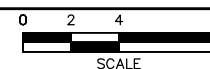
SHEET  
24  
OF  
319



Sep. 21 2015 09:43 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\TOWN HOPKINS STATION\1-HOP-ARC-PLN-110.dwg By: V-IyerN



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



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

## KEY NOTES - (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE (FINAL LOCATIONS ARE TBD)
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
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN
34. PRE-FINISHED METAL DOWNSPOUT

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
DOWNTOWN HOPKINS STATION  
WEST PARTIAL PLATFORM PLAN**

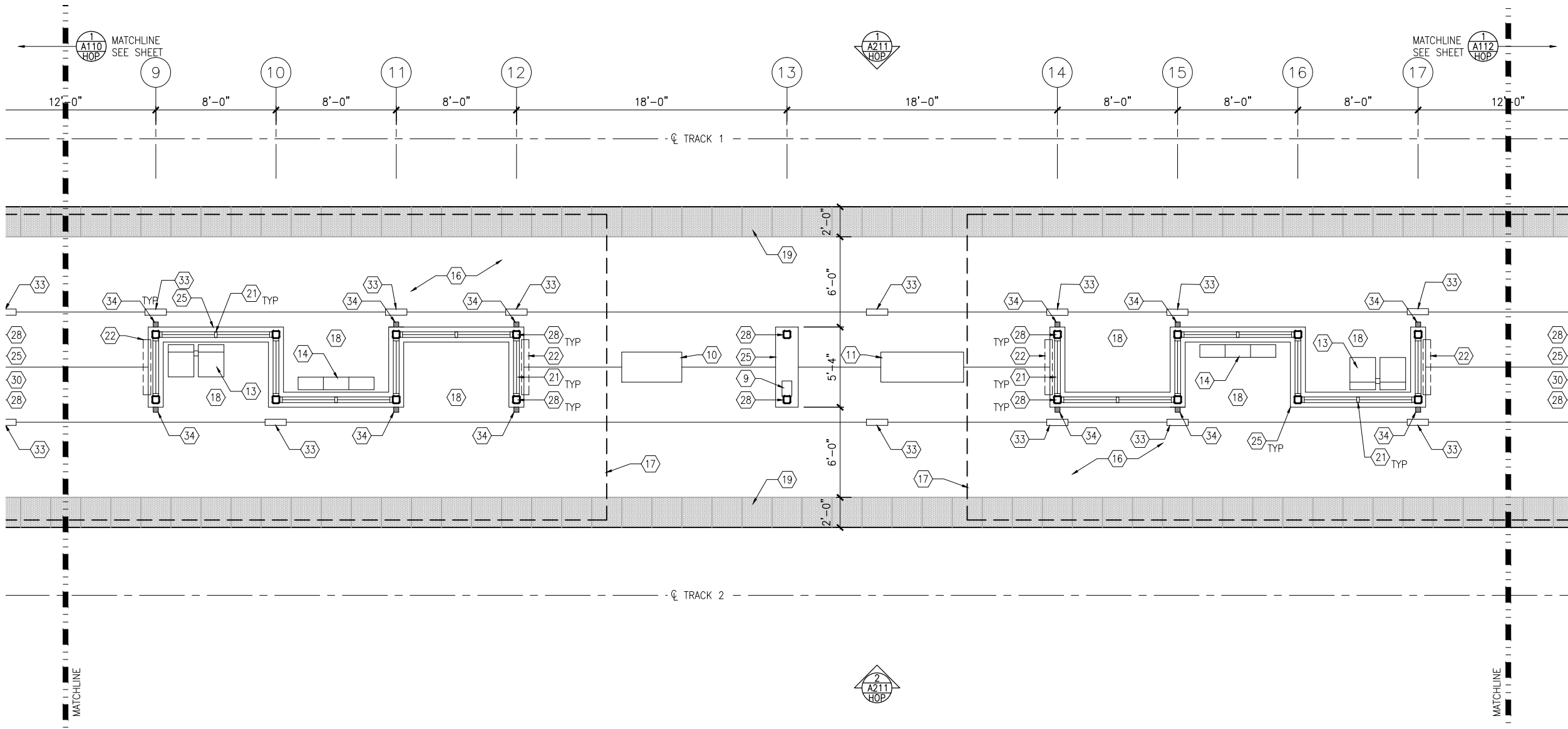
DISCIPLINE:  
**ARCHITECTURE**

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

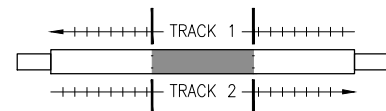
**SHEET  
25  
OF  
319**



Sep. 21 2015 09:43 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\DOWNTOWN HOPKINS STATION\E1-HOP-ARC-PLN-111.dwg By: V-l-yerN



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



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

## KEY NOTES - #

- NOTE: ALL KEYNOTES MAY NOT BE USED
1. ENTRY MARKER
  2. LIGHT MOUNTED TO STRUCTURE
  3. ACCESS RAMP
  4. HAND RAIL
  5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
  6. TICKET VENDING MACHINE
  7. FUTURE TICKET VENDING MACHINE
  8. STORED VALUE VALIDATOR
  9. EMERGENCY CALL BOX
  10. COMMUNICATION CABINET
  11. ELECTRICAL CABINET
  12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
  13. BENCH
  14. LEANING RAIL
  15. OVERHEAD CONTACT SYSTEM
  16. CONCRETE PLATFORM
  17. CANOPY ABOVE
  18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
  19. DETECTABLE WARNING AT BOARDING EDGE
  20. GUARD RAIL AND SAFETY SCREEN
  21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
  22. VARIABLE MESSAGE SIGN ABOVE (FINAL LOCATIONS ARE TBD)
  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
  31. RIDER ALERT PANEL
  32. ADA DOOR POSITION INDICATOR
  33. AREA DRAIN
  34. PRE-FINISHED METAL DOWNSPOUT

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**DOWNTOWN HOPKINS STATION**  
**MIDDLE PARTIAL PLATFORM PLAN**

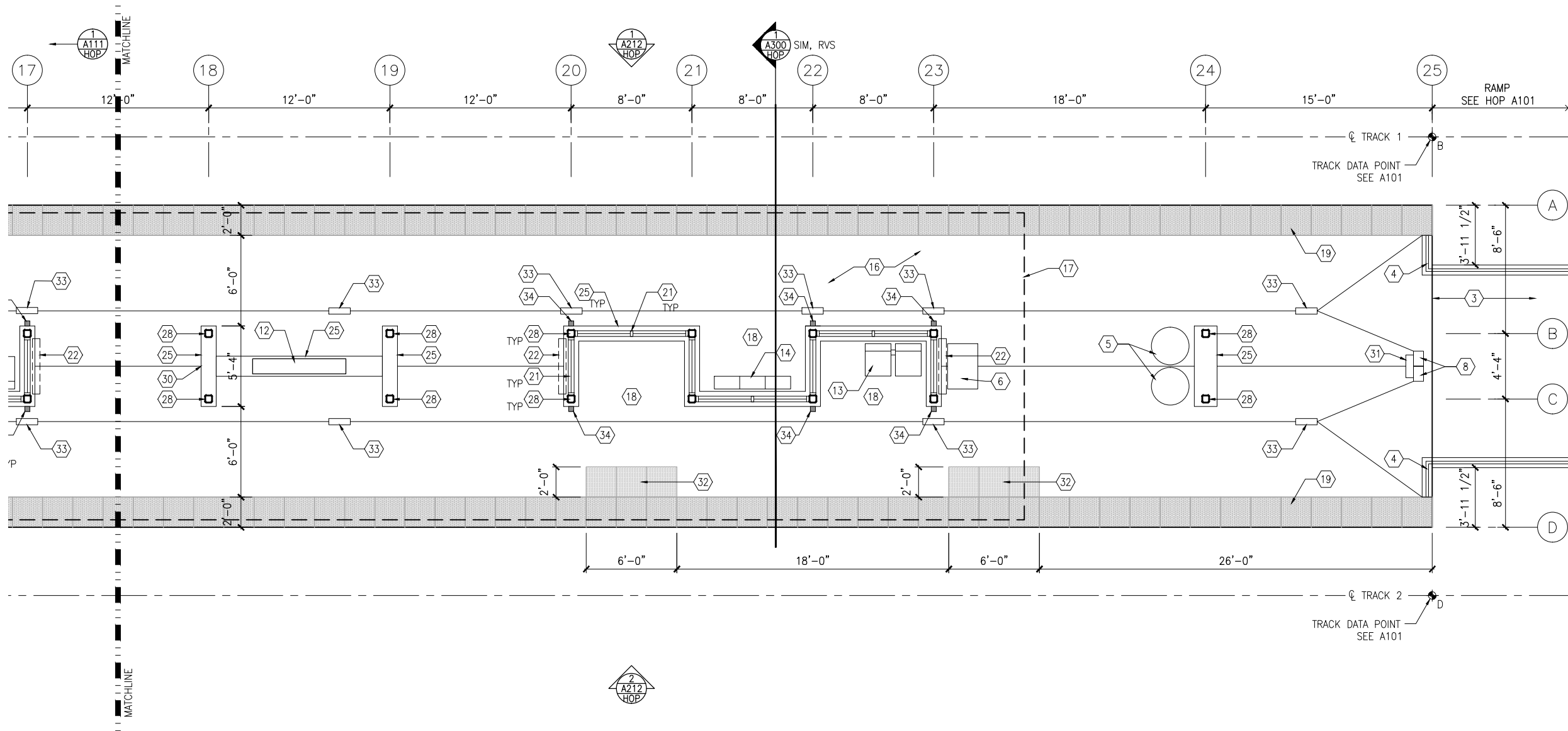
DISCIPLINE:  
**ARCHITECTURE**

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

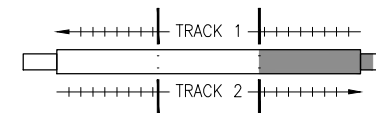
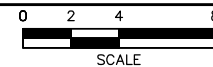
**SHEET**  
**26**  
**OF**  
**319**



Sep. 21 2015 09:44 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\DOWNTOWN HOPKINS STATION\E1-HOP-ARC-PLN-112.dwg By: V-IyerN



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



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

## KEY NOTES - (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE (FINAL LOCATIONS ARE TBD)
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
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN
34. PRE-FINISHED METAL DOWNSPOUT

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**DOWNTOWN HOPKINS STATION**  
**EAST PARTIAL PLATFORM PLAN**

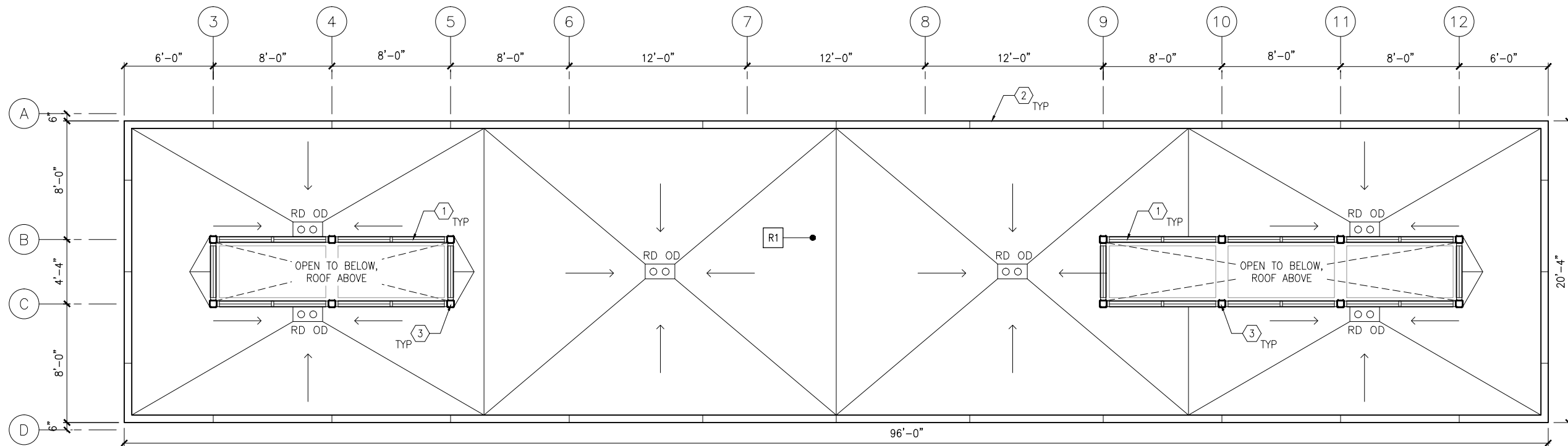
DISCIPLINE:  
**ARCHITECTURE**

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

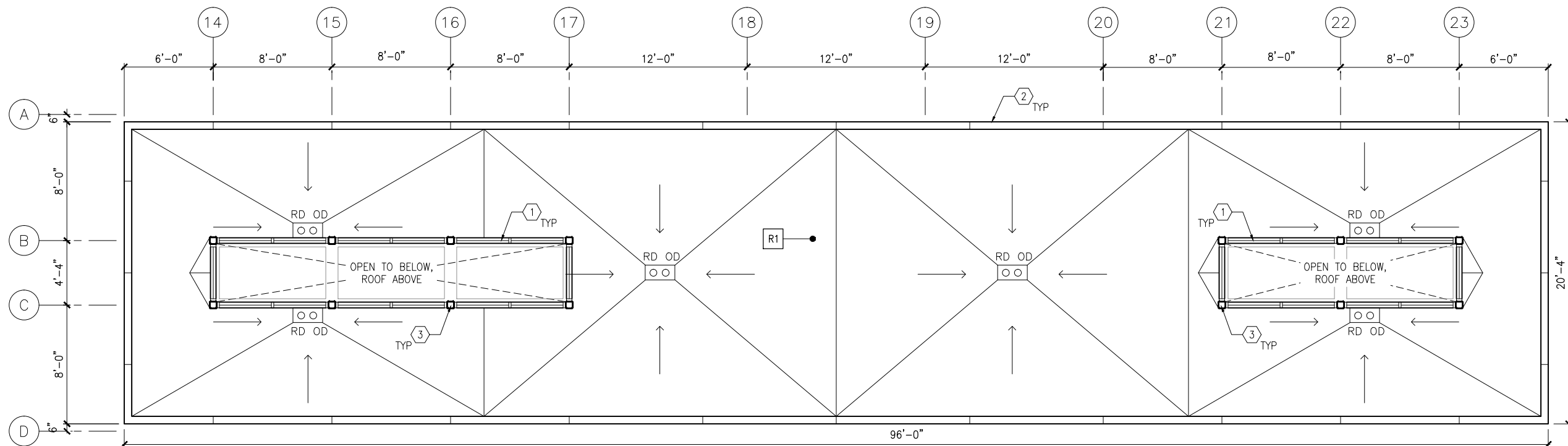
**SHEET**  
**27**  
**OF**  
**319**



Sep. 21 2015 09:44 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\DOWNTOWN HOPKINS STATION\E1-HOP-ARC-PLN-150.dwg By: V-lyerR



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



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

## GENERAL SHEET NOTES

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- ROOF SLOPE IS 1/8" PER FT UNO

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

- ALUMINUM STOREFRONT AND TRANSLUCENT GLAZING SYSTEM
- ALUMINUM COMPOSITE PANEL COPING
- STEEL COLUMN - SEE STRUCTURAL
- STEEL BEAM ABOVE - SEE STRUCTURAL
- PREFINISHED METAL SCUPPER
- PREFINISHED METAL GUTTER, SLOPE TO DOWNSPOUTS
- ROOF BASE FLASHING
- SUMP
- CONCRETE SPLASH BLOCK
- PRE-FINISHED METAL DOWNSPOUT
- ROOF EXPANSION JOINT
- BUILDING EXPANSION JOINT
- VENT THROUGH ROOF - SEE PLUMB
- INTEGRAL ROOF GUTTER - SLOPE TO DOWNSPOUTS BELOW
- 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<sub>1</sub> INSULATION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A  
DOWNTOWN HOPKINS STATION  
ROOF PLANS**

DISCIPLINE:  
**ARCHITECTURE**

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

**SHEET**

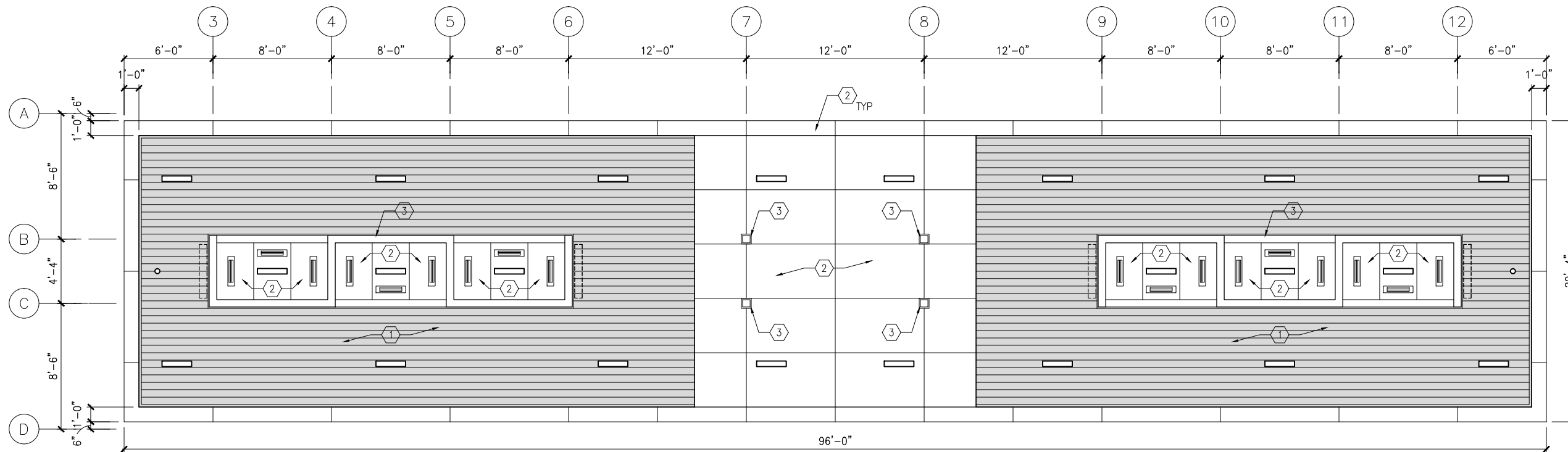
**28**

**OF**

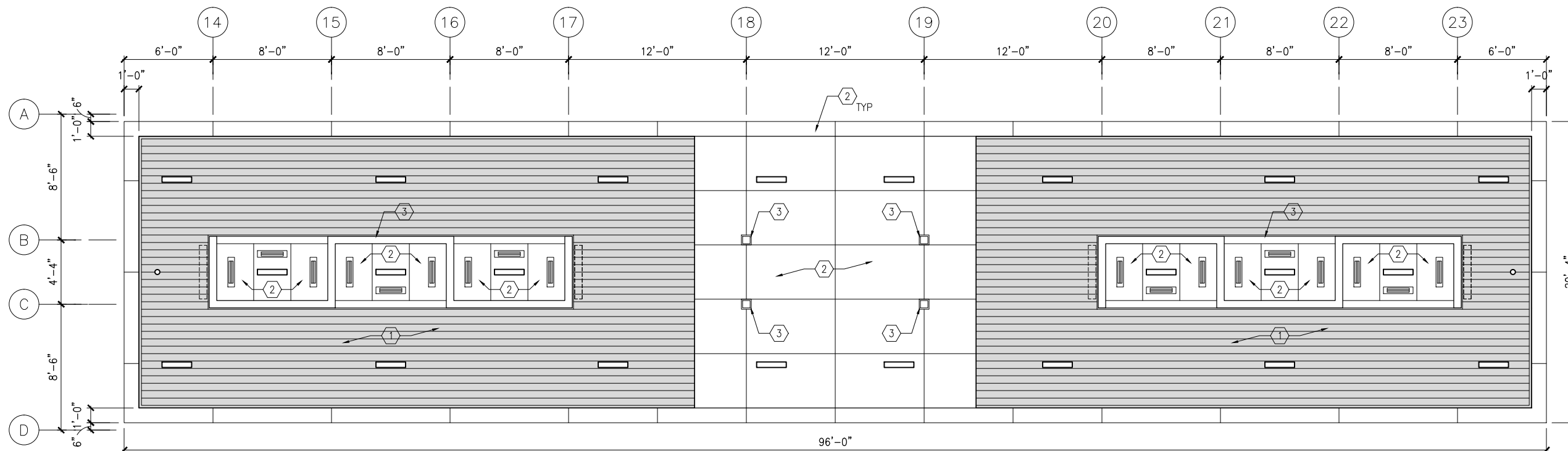
**319**



Sep. 21 2015 09:45 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\DOWNTOWN HOPKINS STATION\E1-HOP-ARC-RCP-180 .dwg By: V-Iyer



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



2 REFLECTED CEILING PLAN - EAST CANOPY  
SCALE: 1/8"=1'-0"

## GENERAL SHEET NOTES

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

- EXTERIOR LINEAR METAL CEILING SOFFIT IN SHADED AREA
- ALUMINUM COMPOSITE PANEL SOFFIT
- PROVIDE MATCHING CEILING TRIM AROUND STEEL COLUMN AND/OR SHELTERS
- PRECAST CONCRETE WALKWAY - SEE STRUCTURAL
- PRECAST CONCRETE STAIR - SEE STRUCTURAL
- EXPOSED STRUCTURE - SEE STRUCTURAL
- ACOUSTIC CEILING
- HINGED PANELS FOR EQUIPMENT ACCESS

## LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- SPEAKER
- MICROPHONE
- SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- LAY-IN CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A  
DOWNTOWN HOPKINS STATION  
REFLECTED CEILING PLANS**

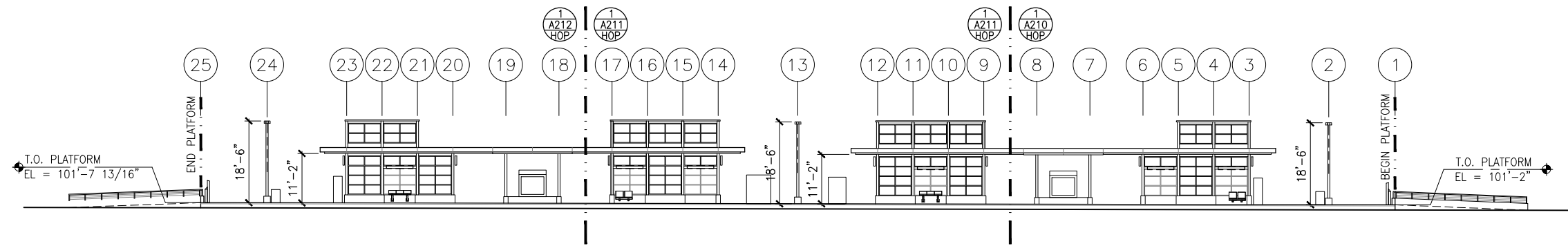
DISCIPLINE:  
**ARCHITECTURE**

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

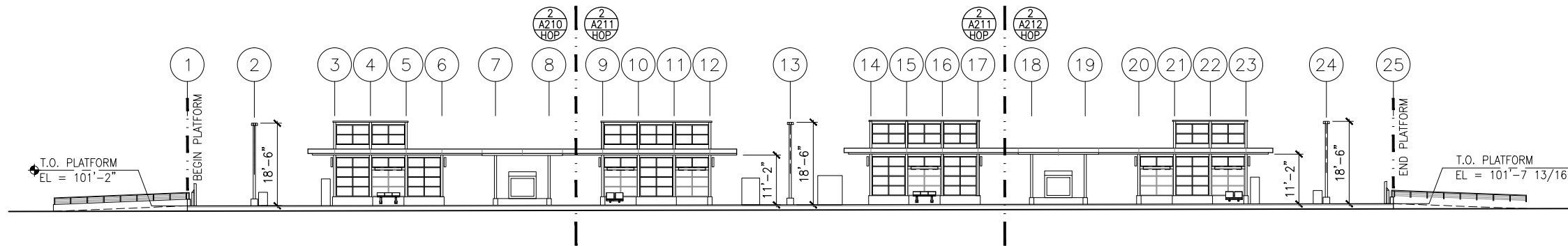
**SHEET**  
**29**  
**OF**  
**319**



Sep. 21 2015 09:45 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\DOWNTOWN HOPKINS STATION\E1-HOP-ARC-ELV-200.DWG By: V-IyerN



1 TRACK 1 ELEVATION  
SCALE: 1"=30' (0.18% SLOPE)\*  
0 7.5 15 30  
SCALE



2 TRACK 2 ELEVATION  
SCALE: 1"=30' (0.18% SLOPE)\*  
0 7.5 15 30  
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

\*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
DOWNTOWN HOPKINS STATION  
ELEVATIONS**

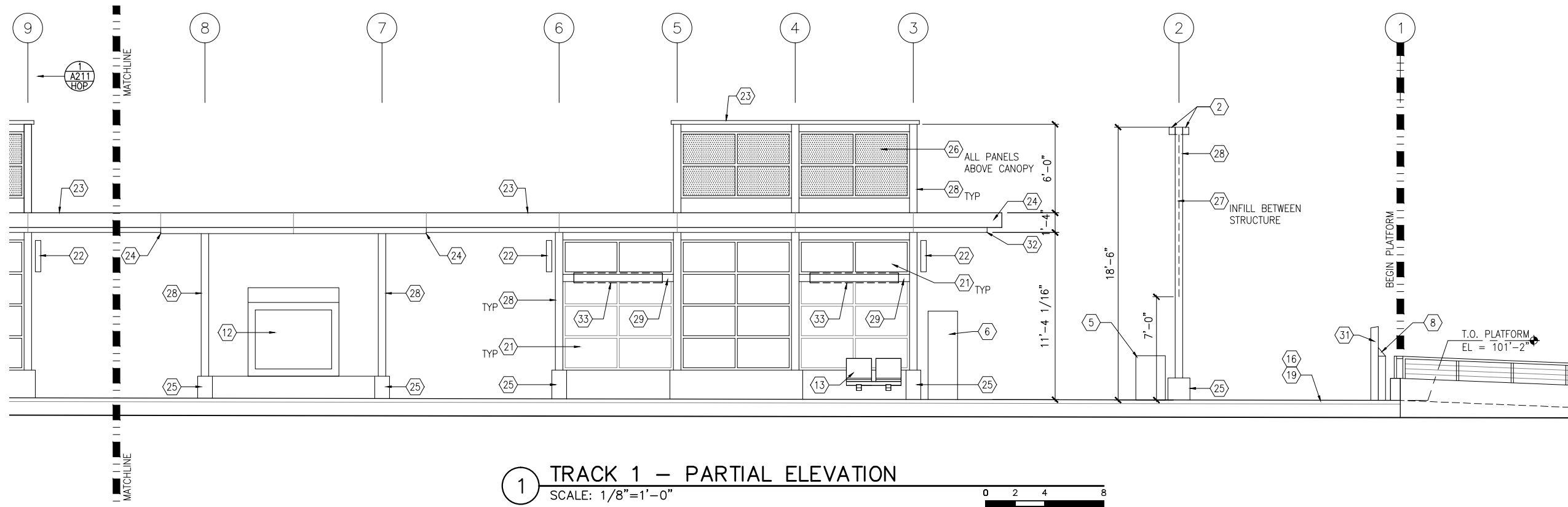
DISCIPLINE:  
**ARCHITECTURE**

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

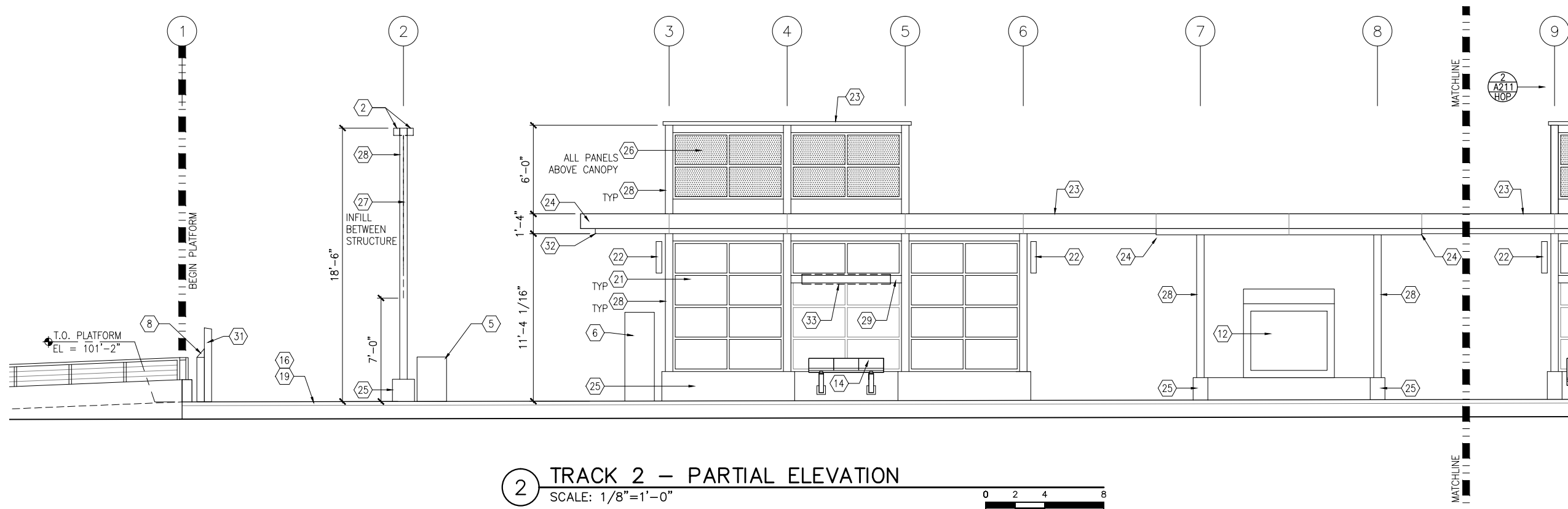
**SHEET  
30  
OF  
319**



Sep. 21 2015 09:45 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\DOWNTOWN HOPKINS STATION\E1-HOP-ARC-ELV-210.dwg By: V-IyerN



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



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



## GENERAL SHEET NOTES

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

- ENTRY MARKER
- LIGHT MOUNTED TO STRUCTURE
- ACCESS RAMP
- HAND RAIL
- TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
- TICKET VENDING MACHINE
- FUTURE TICKET VENDING MACHINE
- STORED VALUE VALIDATOR
- EMERGENCY CALL BOX
- COMMUNICATION CABINET
- ELECTRICAL CABINET
- INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
- BENCH
- LEANING RAIL
- OVERHEAD CONTACT SYSTEM
- CONCRETE PLATFORM
- CANOPY ABOVE
- SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
- DETECTABLE WARNING AT BOARDING EDGE
- GUARD RAIL AND SAFETY SCREEN
- ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- ROOFING - REFER TO ROOF PLAN FOR ROOFING TYPE
- ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
- CONCRETE WALL
- TRANSLUCENT PLASTIC PANEL
- ARCHITECTURAL WOVEN MESH
- STEEL COLUMN - SEE STRUCTURAL
- STEEL BEAM - SEE STRUCTURAL
- WALL HYDRANT
- RIDER ALERT PANEL
- EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
- STATION SIGNAGE
- LIGHTNING ROD - SEE ELECTRICAL
- PC CONC WALL PANEL - SEE STRUCT
- PRE-FINISHED METAL DOWNSPOUT
- PRE-FIN. METAL SCUPPER
- PRE-FINISHED LOUVER
- LOUVER WITH MOTORIZED DAMPER
- RAIN WATER LEADER - SEE PLUMBING
- NOT USED
- SECONDARY STEEL FRAMING - SEE STRUCTURAL
- DOOR - SEE DOOR SCHEDULE
- PC CONC WALKWAY - SEE STRUCT
- PC CONC STAIR - SEE STRUCT
- PRE-FINISHED METAL GUTTER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
DOWNTOWN HOPKINS STATION  
WEST PARTIAL ELEVATIONS**

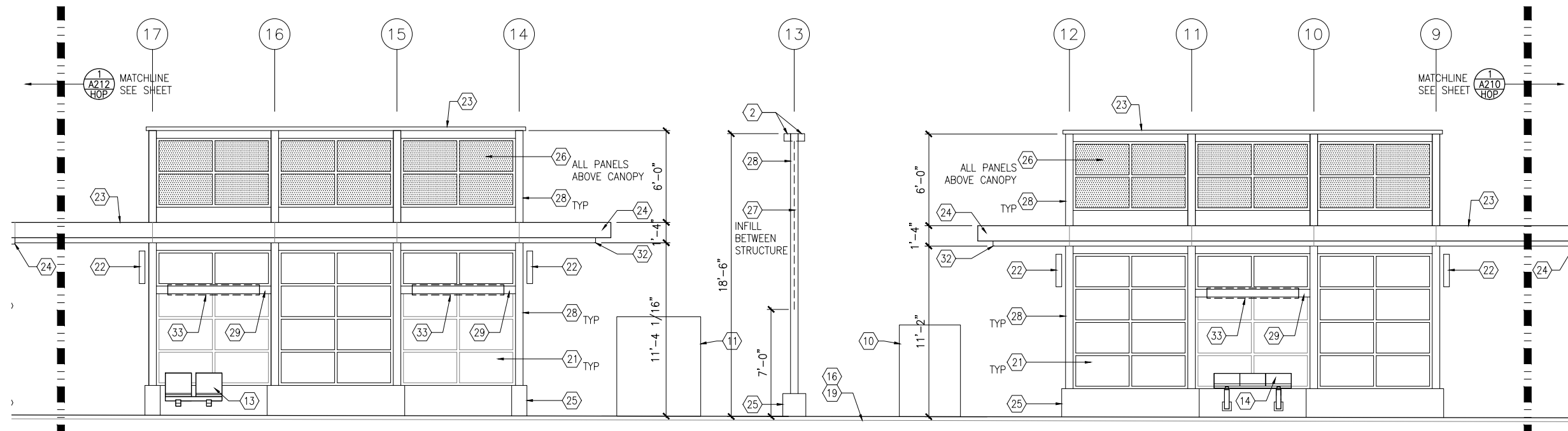
DISCIPLINE:  
**ARCHITECTURE**

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

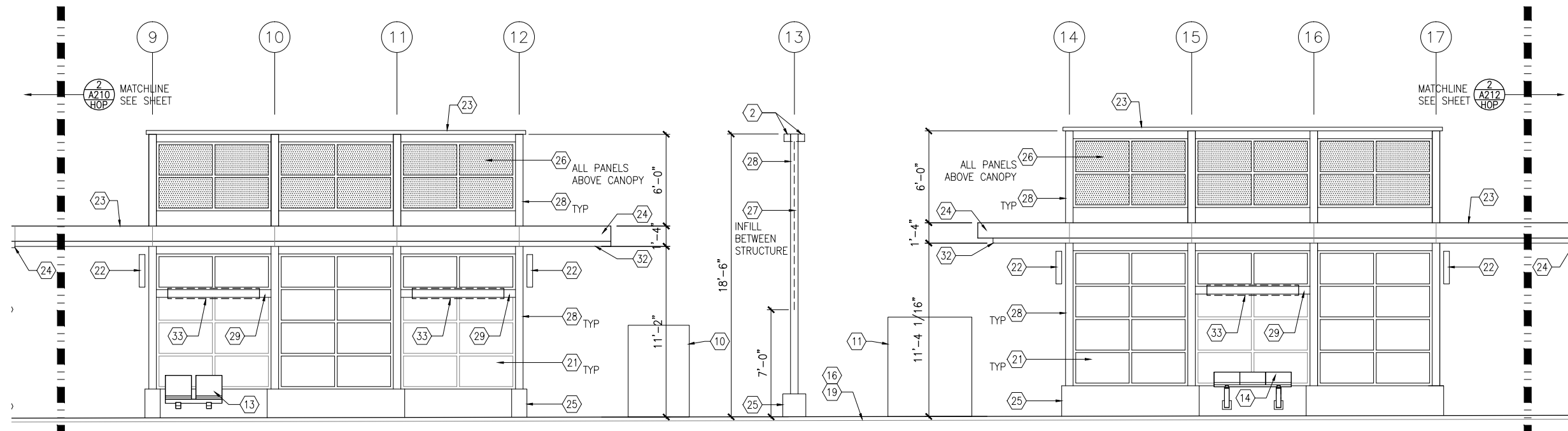
**SHEET  
31  
OF  
319**



Sep. 21 2015 09:46 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\DOWNTOWN HOPKINS STATION\E1-HOP-ARC-ELV-211.dwg By: V-ljefn



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



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



### 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

### KEY NOTES – #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
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
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 – SEE STRUCT
36. PRE-FINISHED METAL DOWNSPOUT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. RAIN WATER LEADER – SEE PLUMBING
41. NOT USED
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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
DOWNTOWN HOPKINS STATION  
MIDDLE PARTIAL ELEVATIONS**

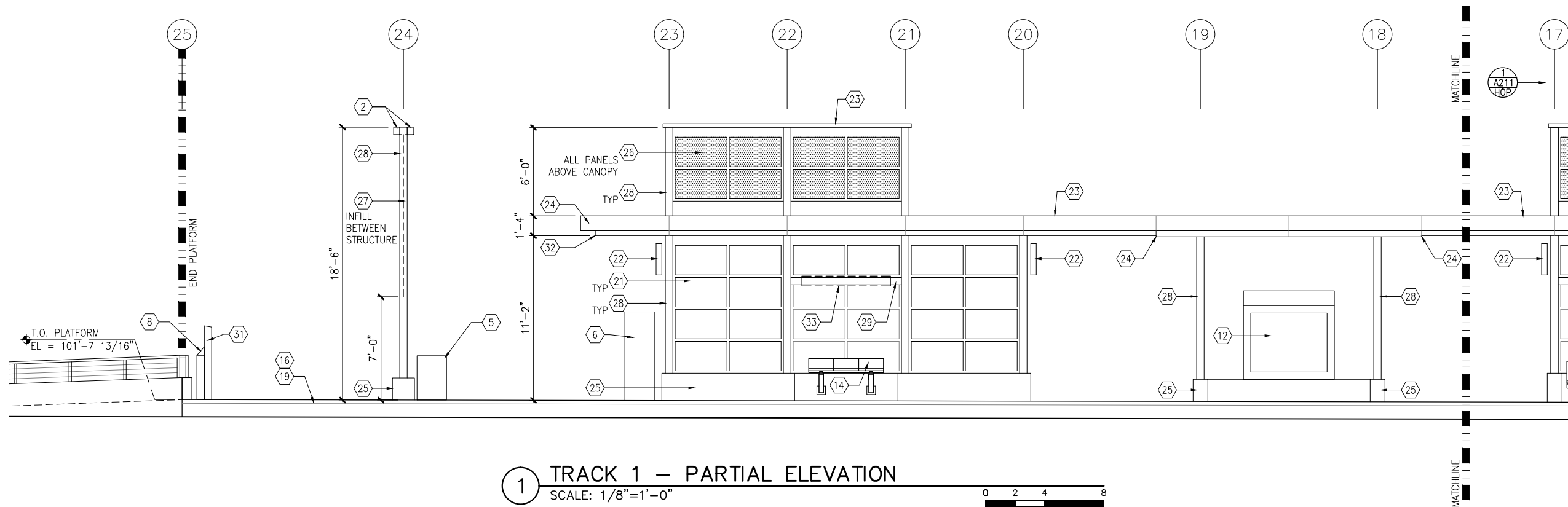
DISCIPLINE:  
**ARCHITECTURE**

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

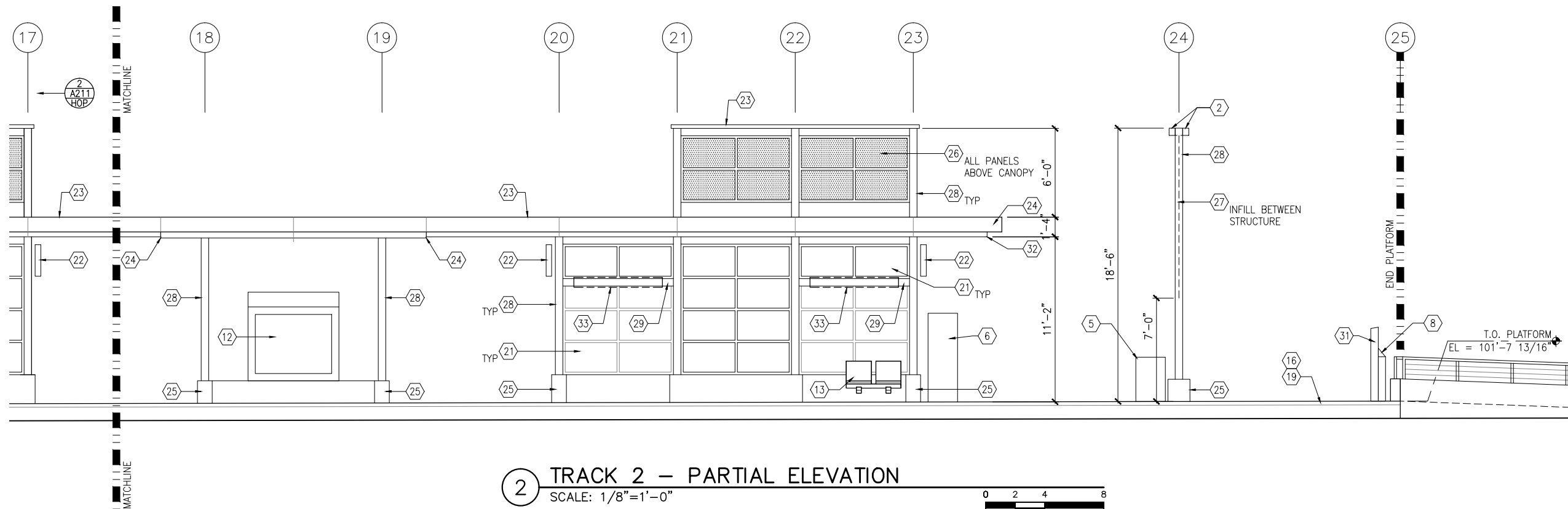
**SHEET**  
**32**  
**OF**  
**319**



Sep. 21 2015 09:46 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\DOWNTOWN HOPKINS STATION\E1-HOP-ARC-ELV-212.dwg By: V-Iyer



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



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



## 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

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
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
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 - SEE STRUCT
36. PRE-FINISHED METAL DOWNSPOUT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. RAIN WATER LEADER - SEE PLUMBING
41. NOT USED
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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**DOWNTOWN HOPKINS STATION**  
**EAST PARTIAL ELEVATIONS**

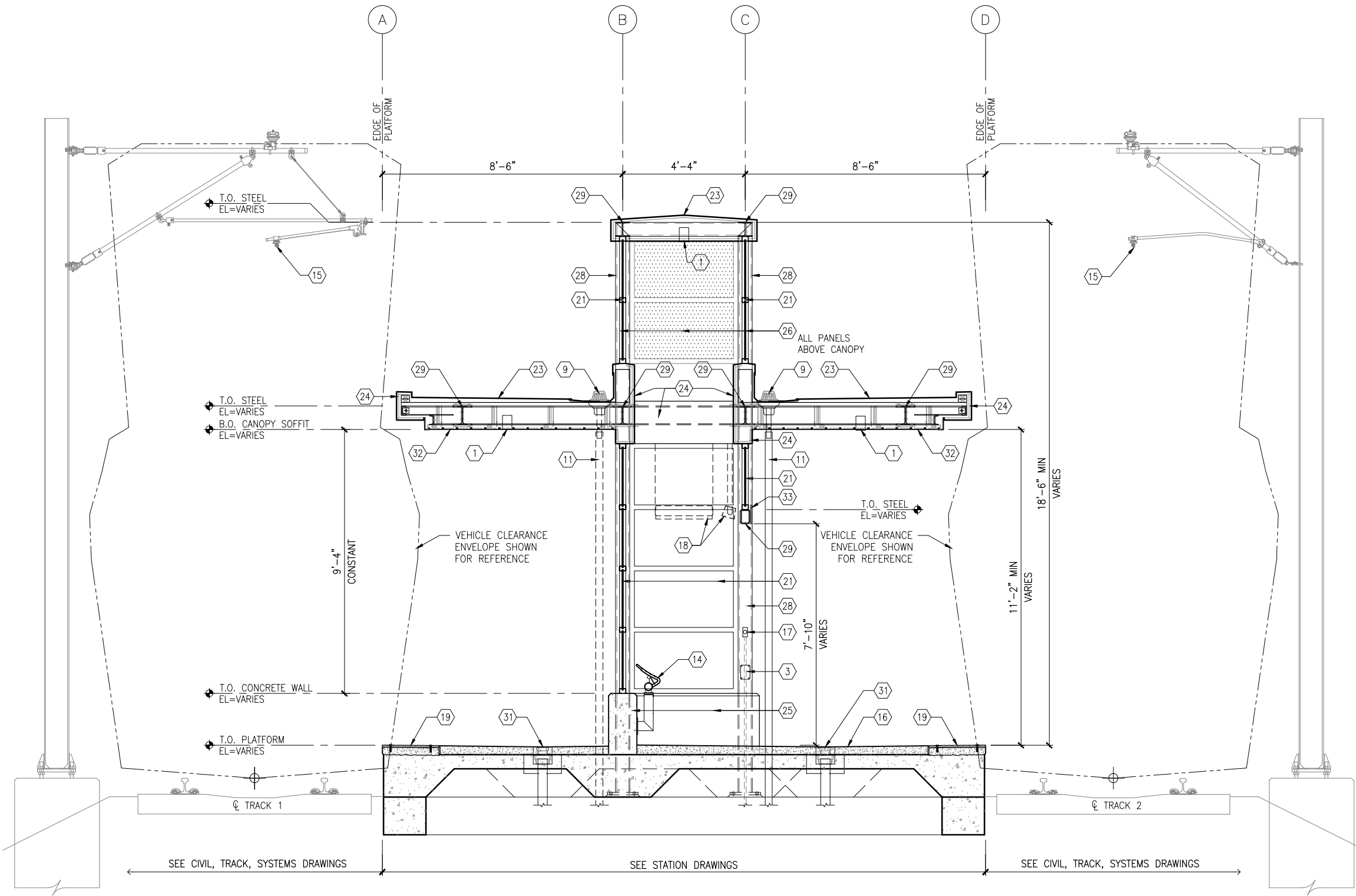
DISCIPLINE:  
**ARCHITECTURE**

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

**SHEET**  
**33**  
**OF**  
**319**



Sep. 21 2015 09:47 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\DOWNTOWN HOPKINS STATION\E1-HOP-ARC-SCT-300 .dwg By: V-lyerN



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



**GENERAL SHEET NOTES**

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

**KEY NOTES** – (#)

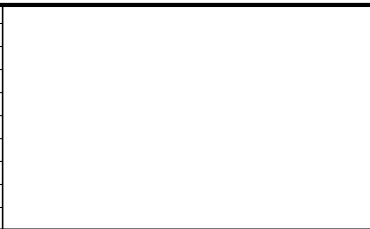
NOTE: ALL KEYNOTES MAY NOT BE USED

- LIGHT RECESSED IN SOFFIT
- LIGHT MOUNTED TO STRUCTURE
- HAND HOLE IN STEEL STRUCTURE
- HAND RAIL
- SECURITY CAMERA
- TICKET VENDING MACHINE
- EMERGENCY TELEPHONE LIGHT
- EMERGENCY CALL BOX
- ROOF DRAIN
- PRE-FINISHED METAL GUTTER
- PRE-FINISHED METAL DOWNSPOUT
- PRE-FINISHED METAL SCUPPER
- BENCH
- LEANING RAIL
- OVERHEAD CONTACT SYSTEM
- CONCRETE PLATFORM
- HEATER PUSH BUTTON CONTROLS
- INFRARED HEATER
- DETECTABLE WARNING PAVER AT BOARDING EDGE
- GUARD RAIL AND SAFETY SCREEN
- ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
- ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
- CONCRETE WALL
- TRANSLUCENT PLASTIC PANEL
- ARCHITECTURAL WOVEN MESH
- STEEL COLUMN – SEE STRUCTURAL
- STEEL BEAM – SEE STRUCTURAL
- WALL HYDRANT
- AREA DRAIN
- EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
- STATION SIGNAGE
- PC CONC WALKWAY – SEE STRUCT
- PC CONC STAIR – SEE STRUCT
- PC CONC WALL PANEL
- SECONDARY STEEL FRAMING – SEE STRUCTURAL
- COMPOSITE ALUM PANEL

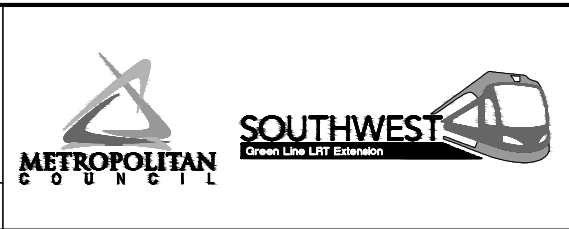
**LEGEND**

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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



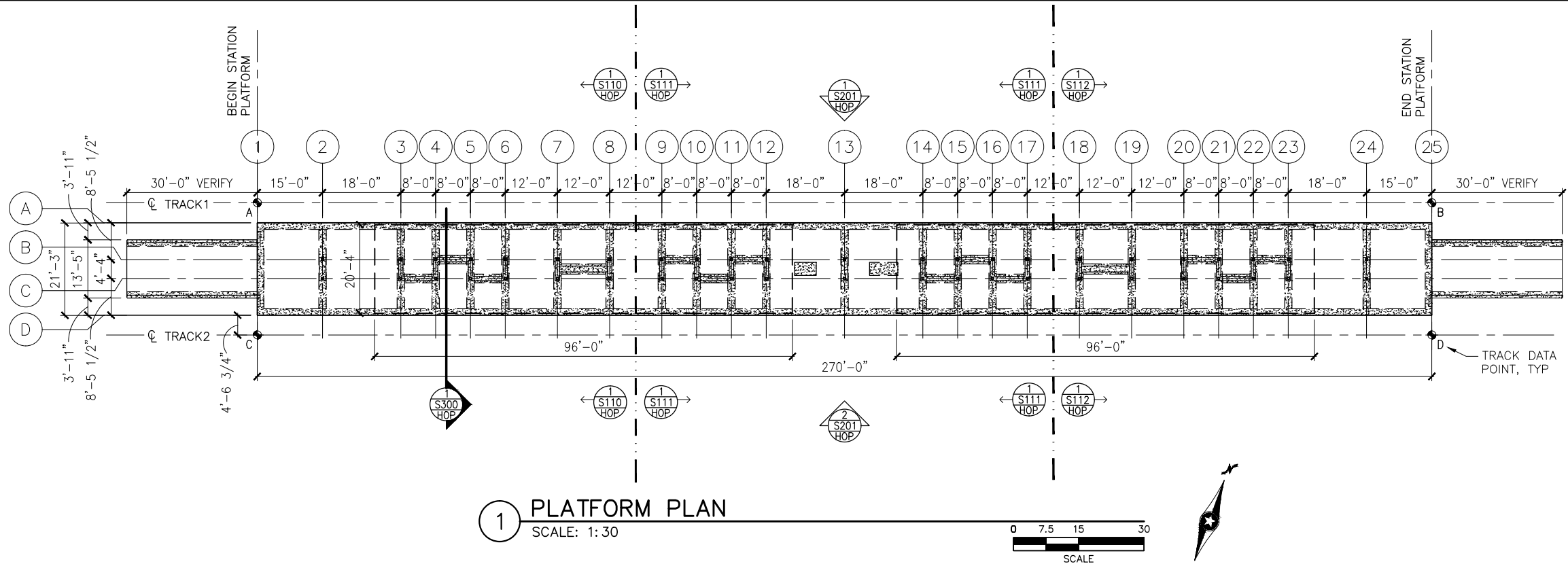
CIVIL EAST - VOLUME 11A  
DOWNTOWN HOPKINS STATION  
TYPICAL PLATFORM SECTION

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

SHEET  
34  
OF  
319



Sep. 21 2015 08:33 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Downtown\_Hopkins\CAD\STR\E1-HOP-STR-PLN-101.dwg By: pepins



1 PLATFORM PLAN  
SCALE: 1: 30

TRACK DATA

ELEV 100'-0" (LOCATION ON PLAN)

TRACK 1 EL 100'-0"=     xxx.xx (PT 'A')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING
A	xxx.xx	xxxx+xx.xx
B	xxx.xx	xxxx+xx.xx

TRACK 2 EL 100'-0"=     xxx.xx (PT 'C')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING
C	xxx.xx	xxxx+xx.xx
D	xxx.xx	xxxx+xx.xx

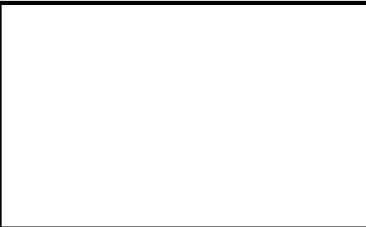
T.O. PLATFORM

T.O. PLATFORM

T.O. RAIL  
(A,B,C,D)

SECTION DIAGRAM AT PLATFORM EDGE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15

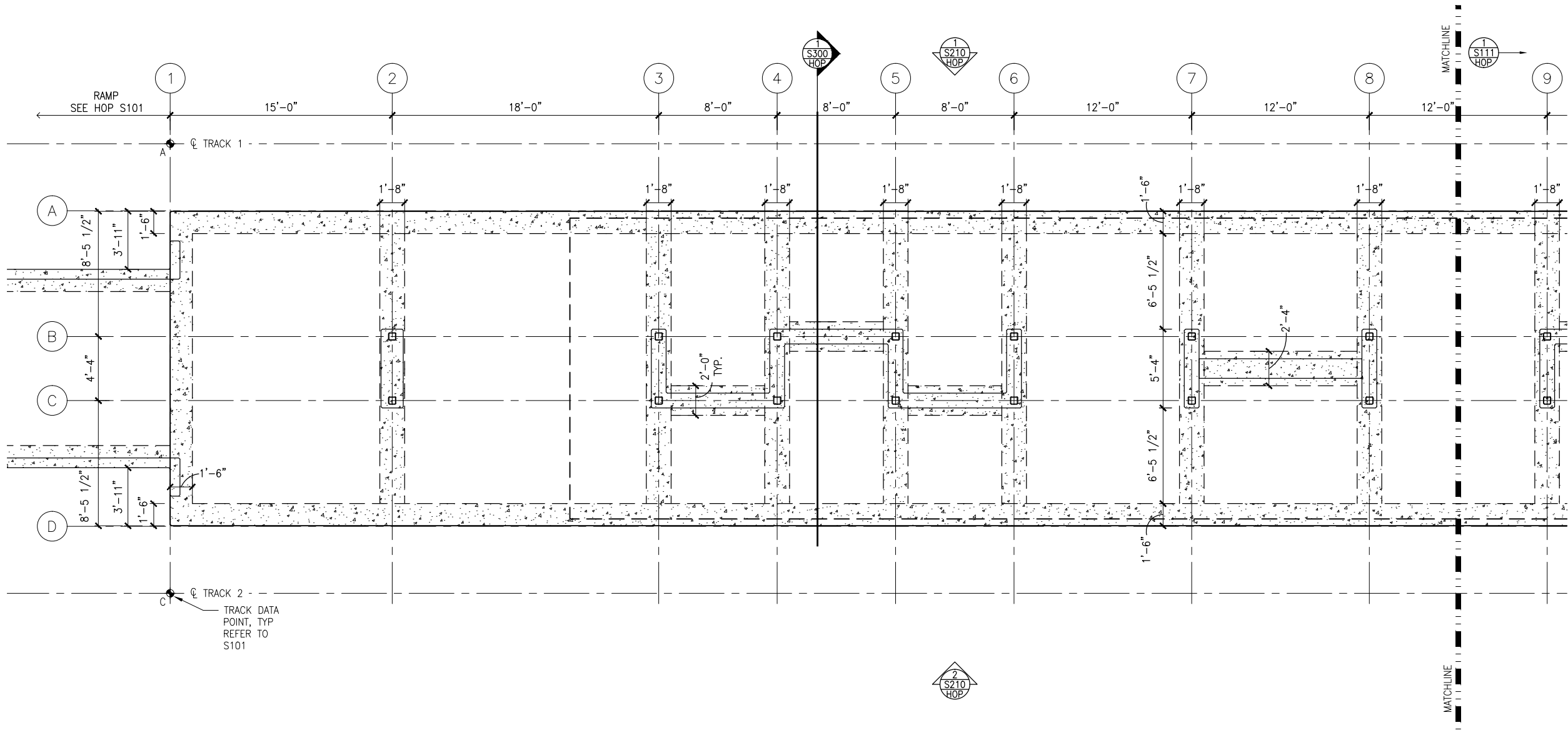
CIVIL EAST - VOLUME 11A  
DOWNTOWN HOPKINS STATION  
PLATFORM PLAN

DISCIPLINE: STRUCTURES

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

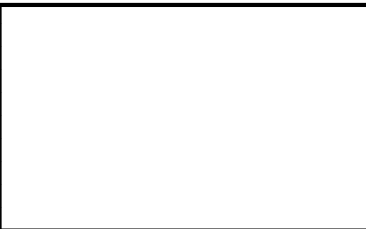


Sep. 21 2015 08:34 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Downtown\_Hopkins\CAD\STR\E1-HOP-STR-PLN-110.dwg By: pepins



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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15



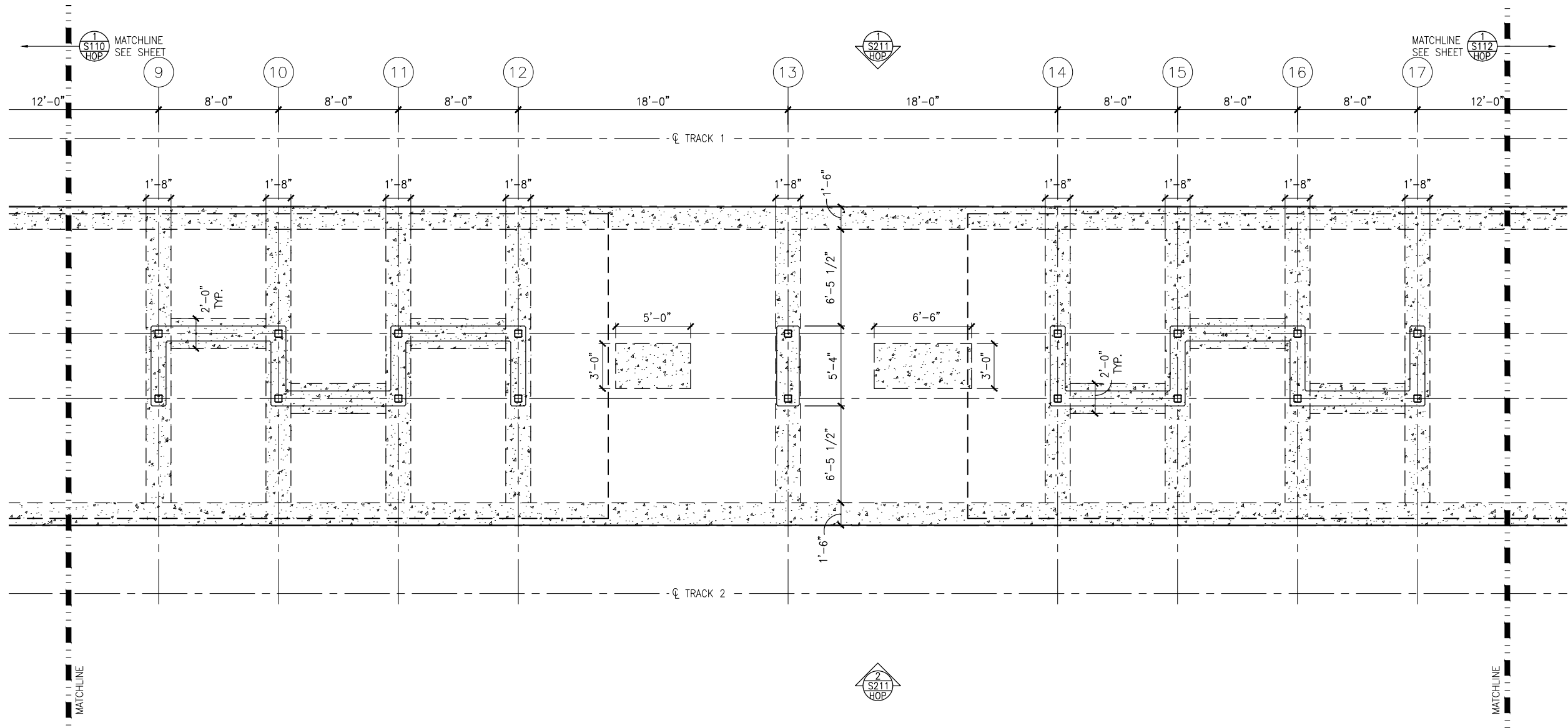
CIVIL EAST - VOLUME 11A  
DOWNTOWN HOPKINS STATION  
WEST PARTIAL FOUNDATION PLAN

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

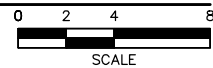
SHEET  
36  
OF  
319



Sep. 21 2015 08:34 am k:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Downtown\_Hopkins\CAD\STR\E1-HOP-STR-PLN-111.dwg By: pepins



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 9/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A  
DOWNTOWN HOPKINS STATION  
MIDDLE PARTIAL FOUNDATION PLAN**

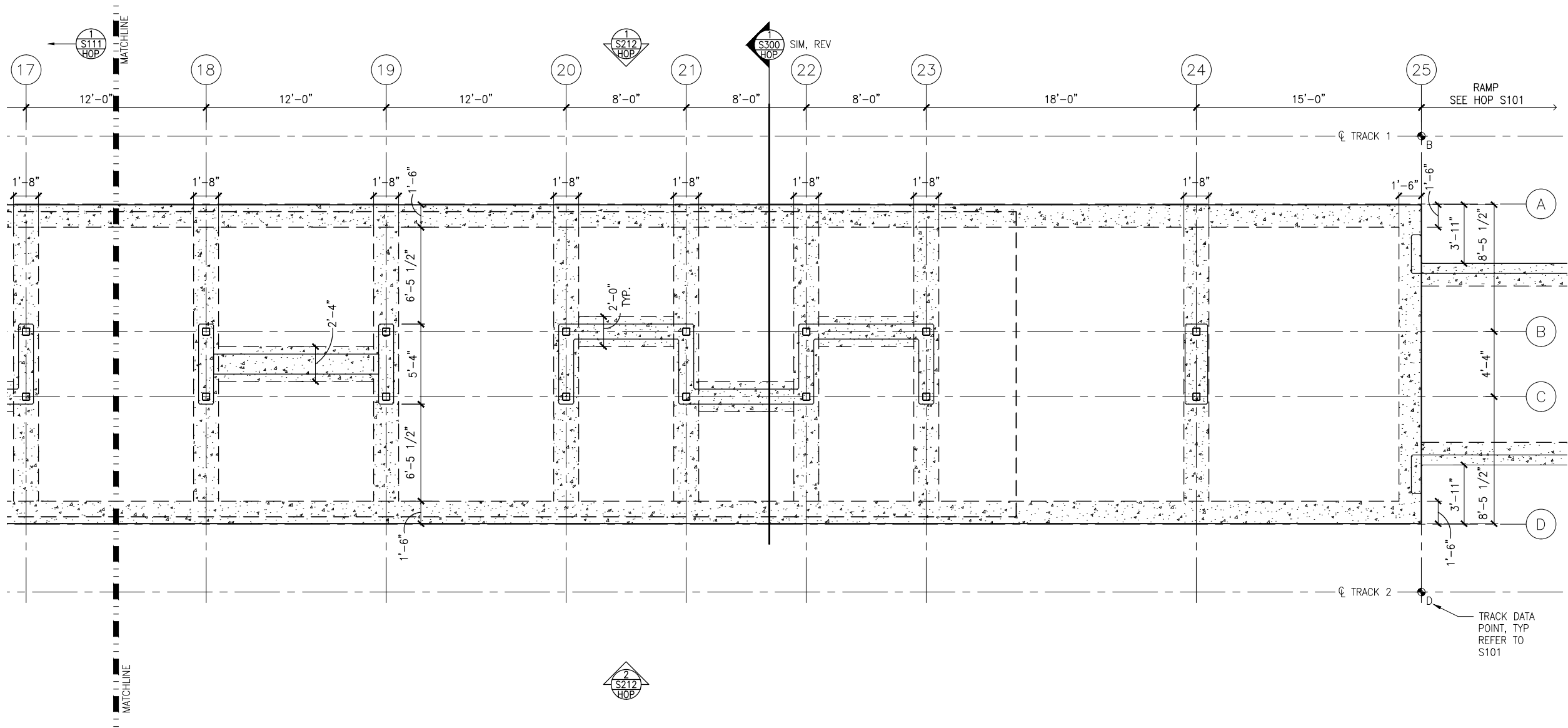
DISCIPLINE:  
**STRUCTURES**

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

**SHEET  
37  
OF  
319**



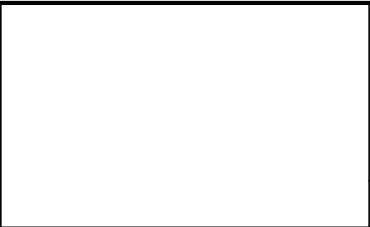
Sep. 21 2015 08:35 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Downtown\_Hopkins\CAD\STR\E1-HOP-STR-PLN-112.dwg By: pepins



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





60% SUBMISSION - 9/28/15

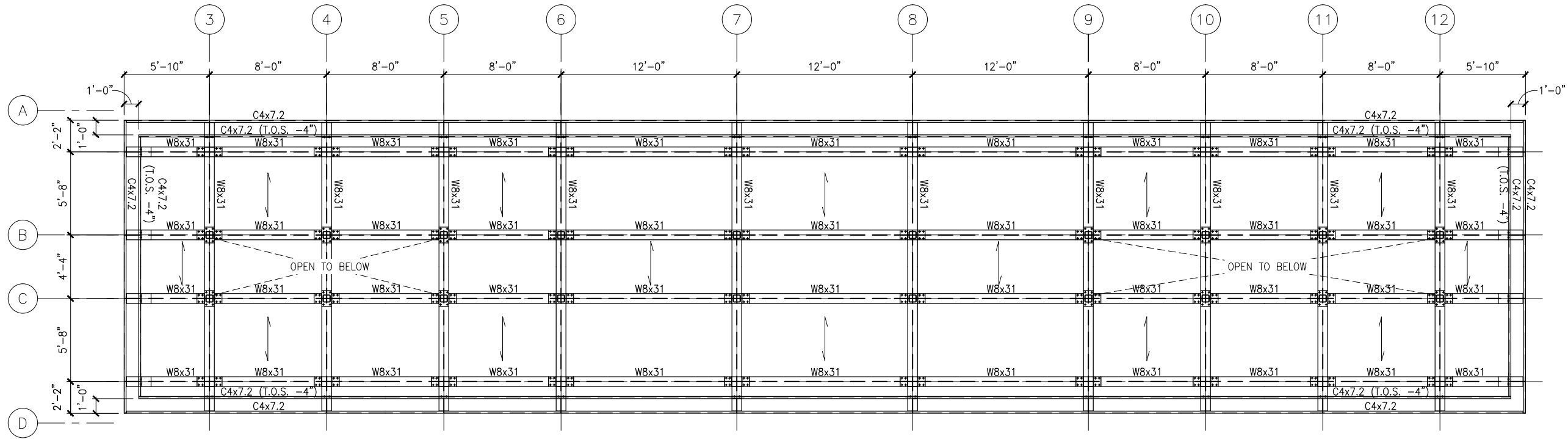


CIVIL EAST - VOLUME 11A  
DOWNTOWN HOPKINS STATION  
EAST PARTIAL FOUNDATION PLAN

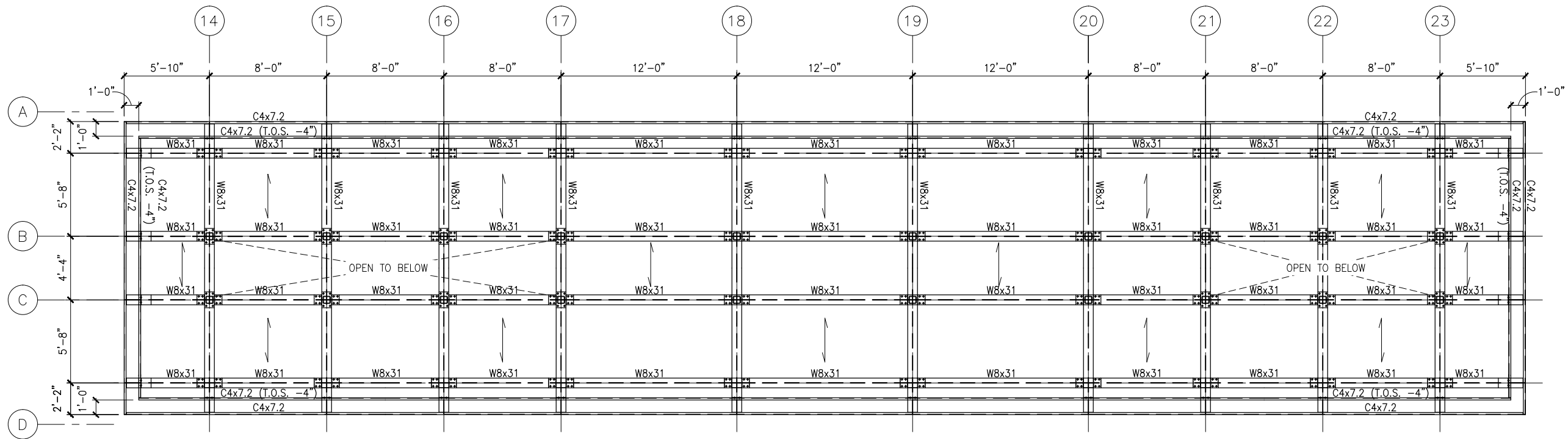
DISCIPLINE: STRUCTURES  
SHEET NAME: E1-HOP-STR-PLN-112



Sep. 21 2015 08:36 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Downtown\_Hopkins\CAD\STR\E1-HOP-STR-PLN-150.dwg By: pepins



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



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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

60% SUBMISSION - 9/28/15



CIVIL EAST - VOLUME 11A  
DOWNTOWN HOPKINS STATION  
ROOF FRAMING PLANS

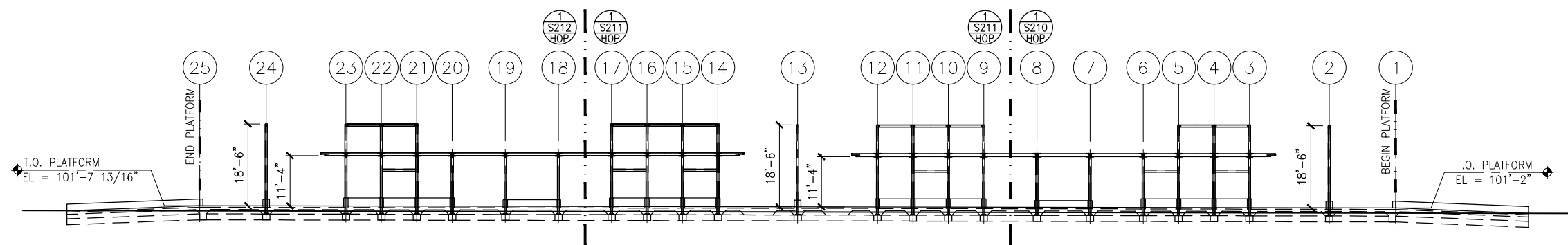
DISCIPLINE:  
STRUCTURES

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

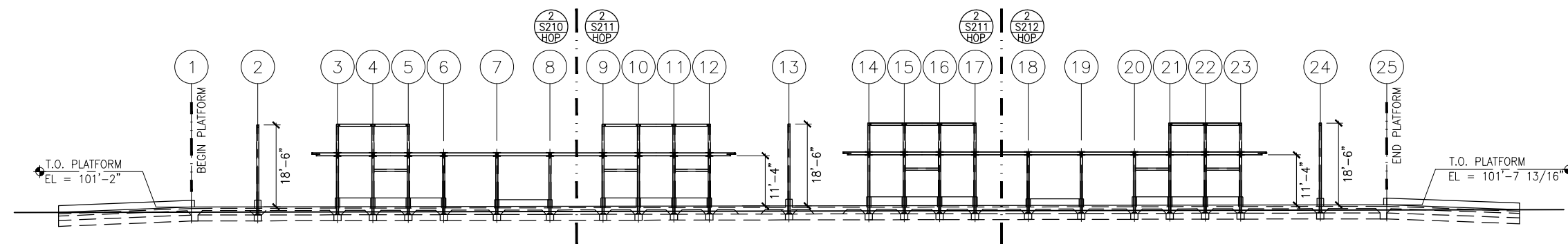
SHEET  
39  
OF  
319



Sep. 21 2015 08:36 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Downtown\_Hopkins\CAD\STR\ELV\HOP-STR-ELV-201.DWG By: pepins



1 TRACK 1 ELEVATION - FRAMING  
SCALE: 1:30 (0.18% SLOPE)\*



2 TRACK 2 ELEVATION - FRAMING  
SCALE: 1:30 (0.18% SLOPE)\*

\*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15



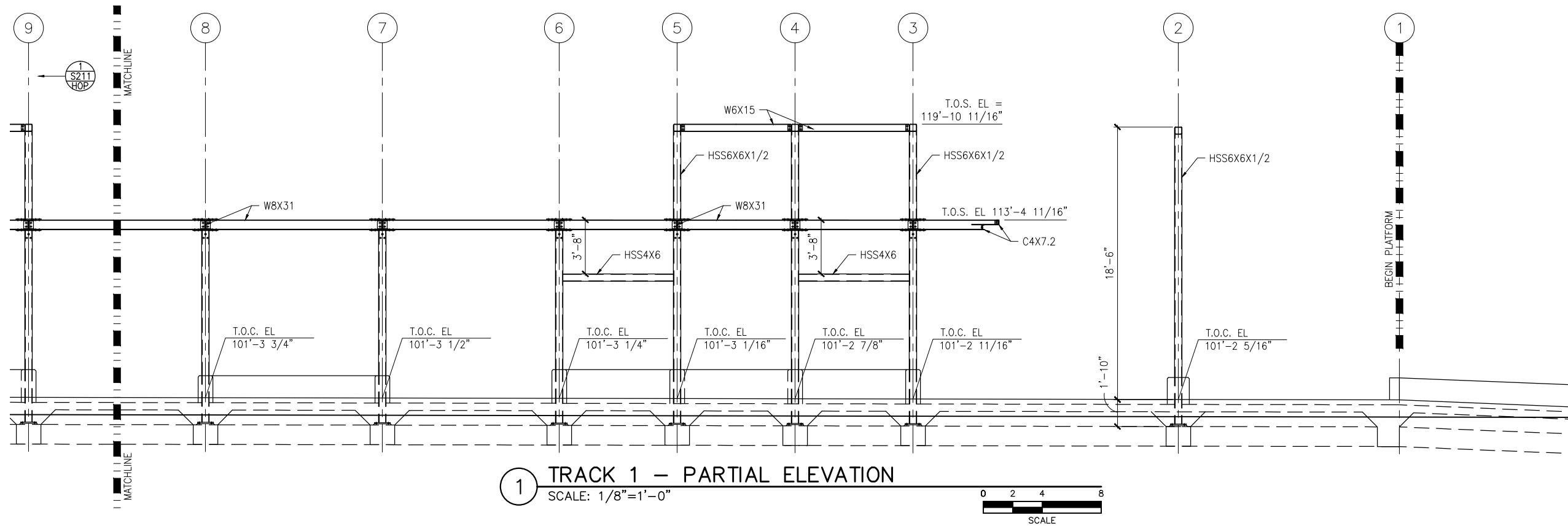
CIVIL EAST - VOLUME 11A  
DOWNTOWN HOPKINS STATION  
ELEVATIONS -- FRAMING

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

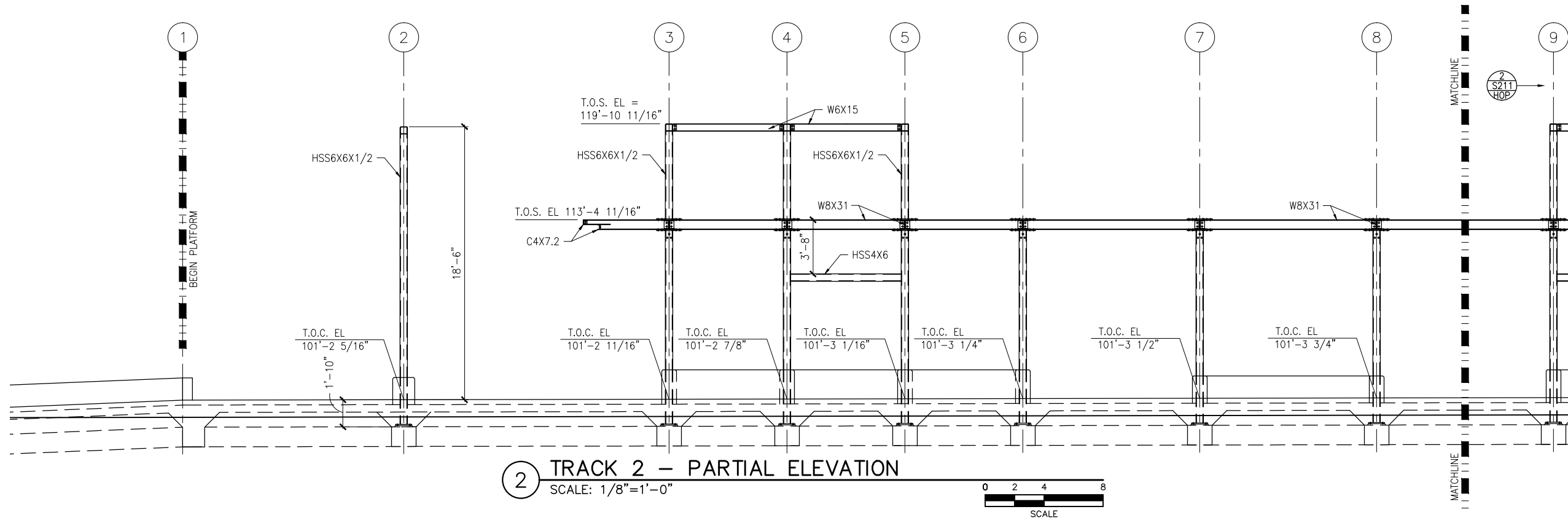
SHEET  
40  
OF  
319



Sep. 21 2015 08:37 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Downtown\_Hopkins\CAD\STR\E1-HOP-STR-ELV-210.dwg By: pepins

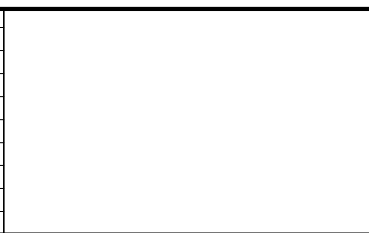


1 TRACK 1 – PARTIAL ELEVATION  
SCALE: 1/8"=1'-0"



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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15

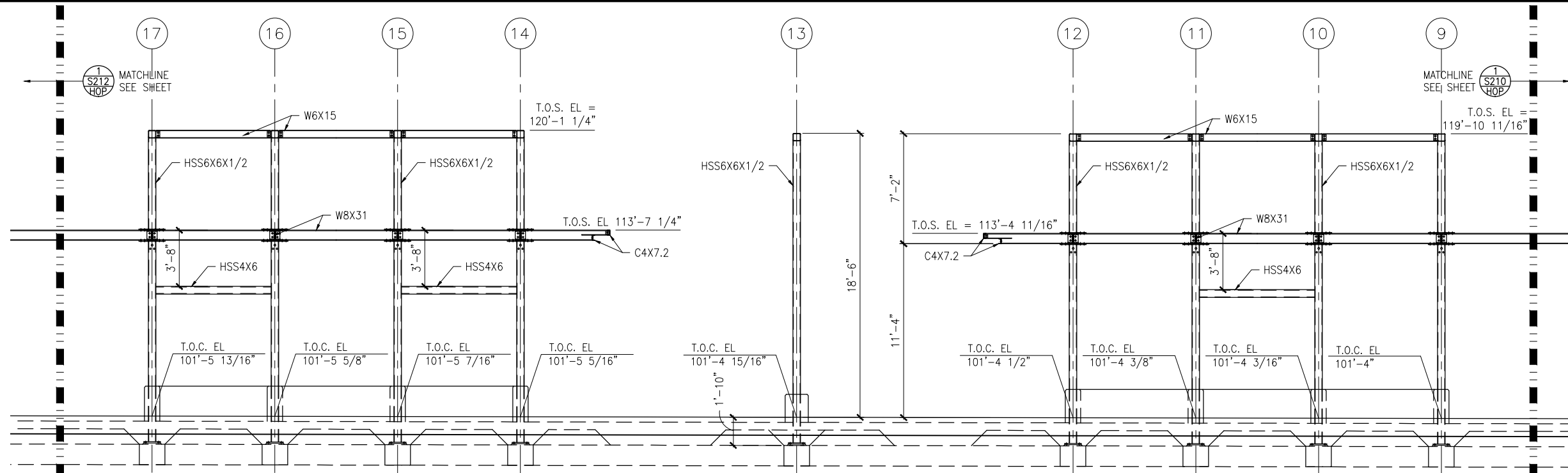


CIVIL EAST - VOLUME 11A  
DOWNTOWN HOPKINS STATION  
WEST PARTIAL ELEVATIONS -- FRAMING

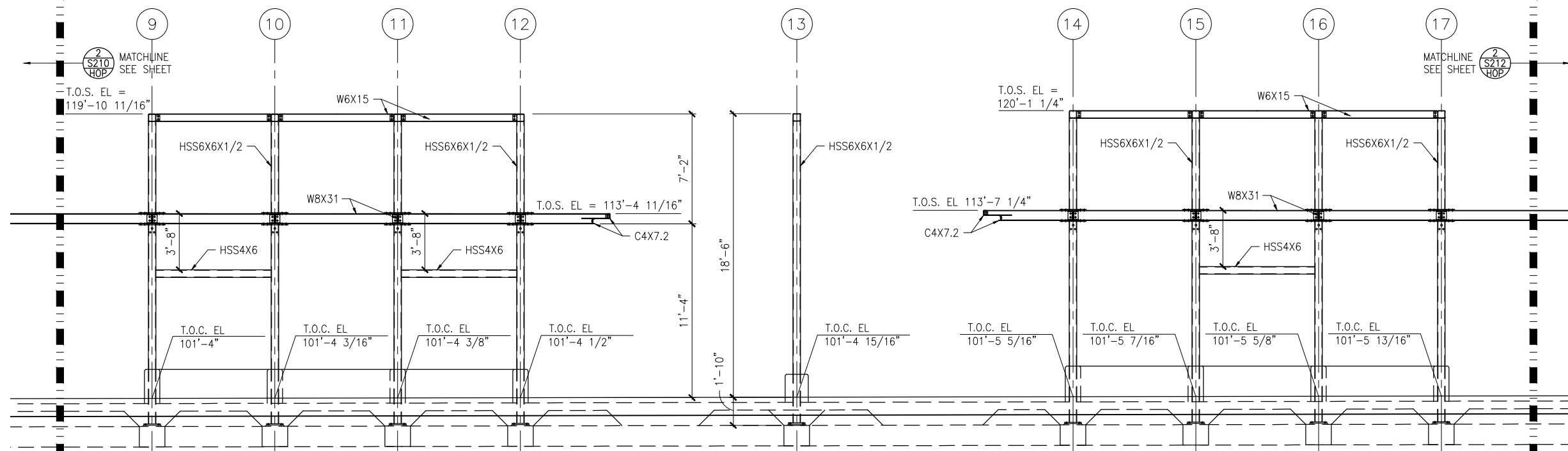
DISCIPLINE: STRUCTURES  
SHEET NAME: E1-HOP-STR-ELV-210



Sep. 21 2015 08:37 am k:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Downtown\_Hopkins\CAD\STR\E1-HOP-STR-ELV-211.dwg By: pepins



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



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 9/28/15



**CIVIL EAST - VOLUME 11A  
DOWNTOWN HOPKINS STATION  
MIDDLE PARTIAL ELEVATIONS -- FRAMING**

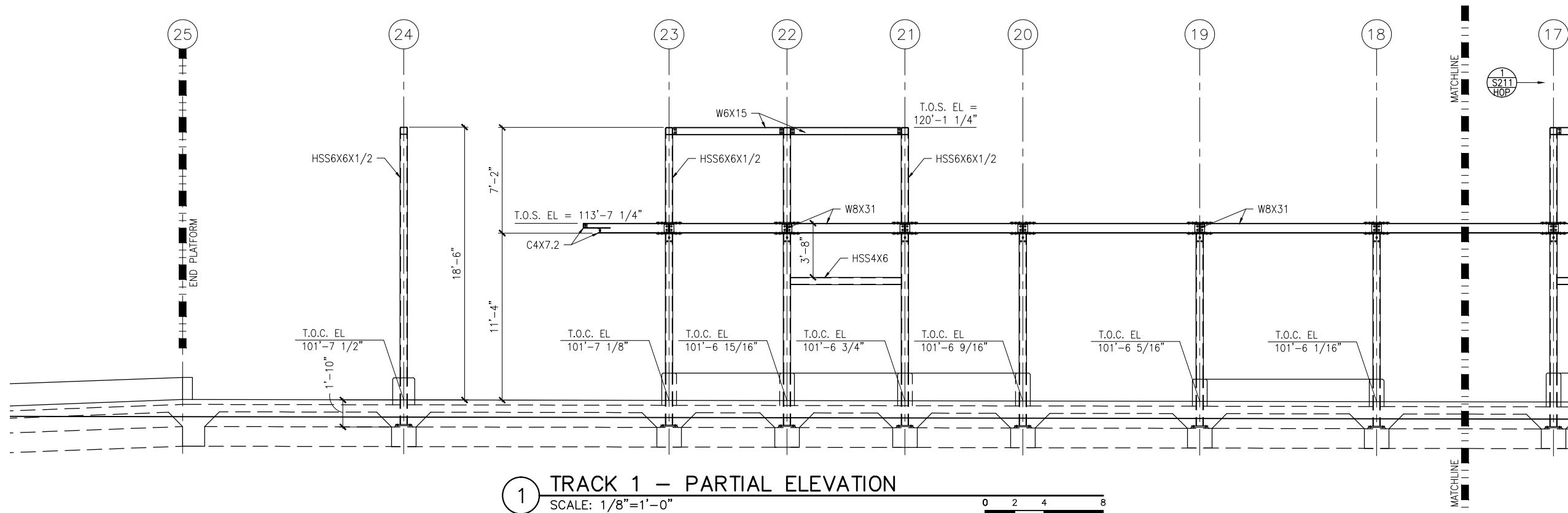
DISCIPLINE:  
**STRUCTURES**

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

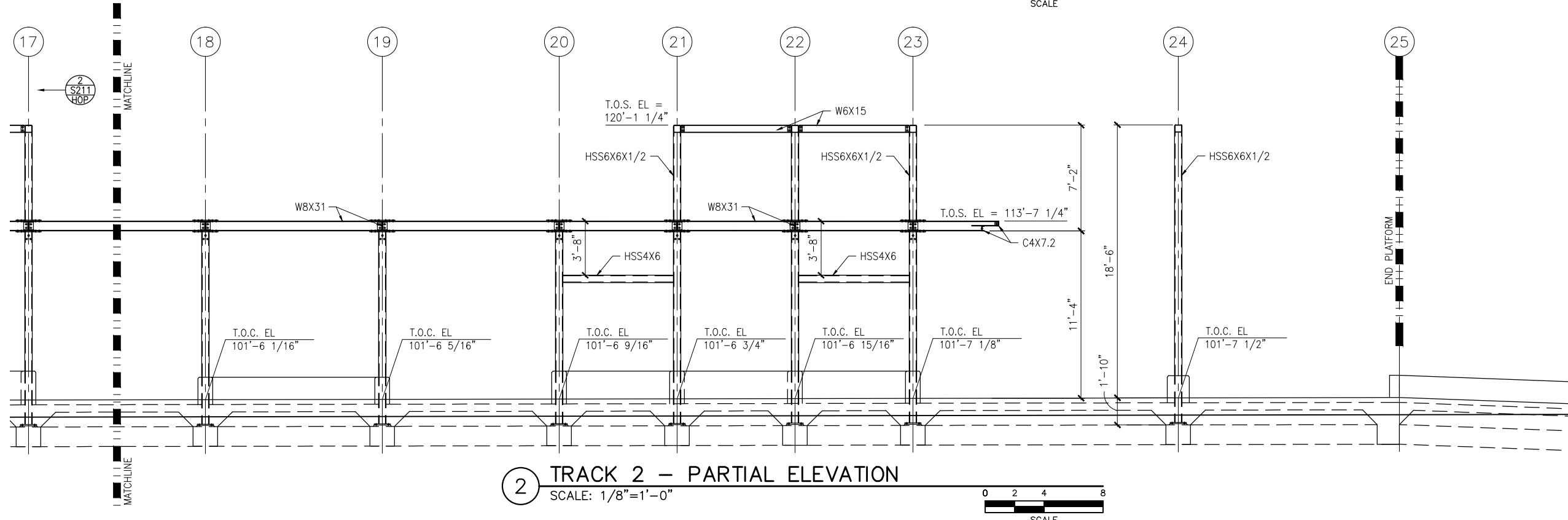
**SHEET**  
42  
OF  
319



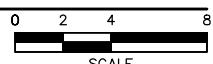
Sep. 21 2015 08:38 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Downtown\_Hopkins\CAD\STR\E1-HOP-STR-ELV-212.dwg By: pepins



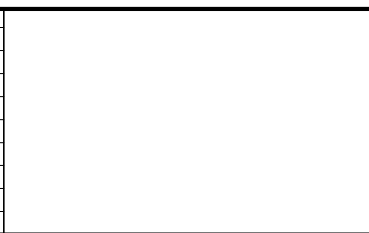
1 TRACK 1 – PARTIAL ELEVATION  
SCALE: 1/8"=1'-0"



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15



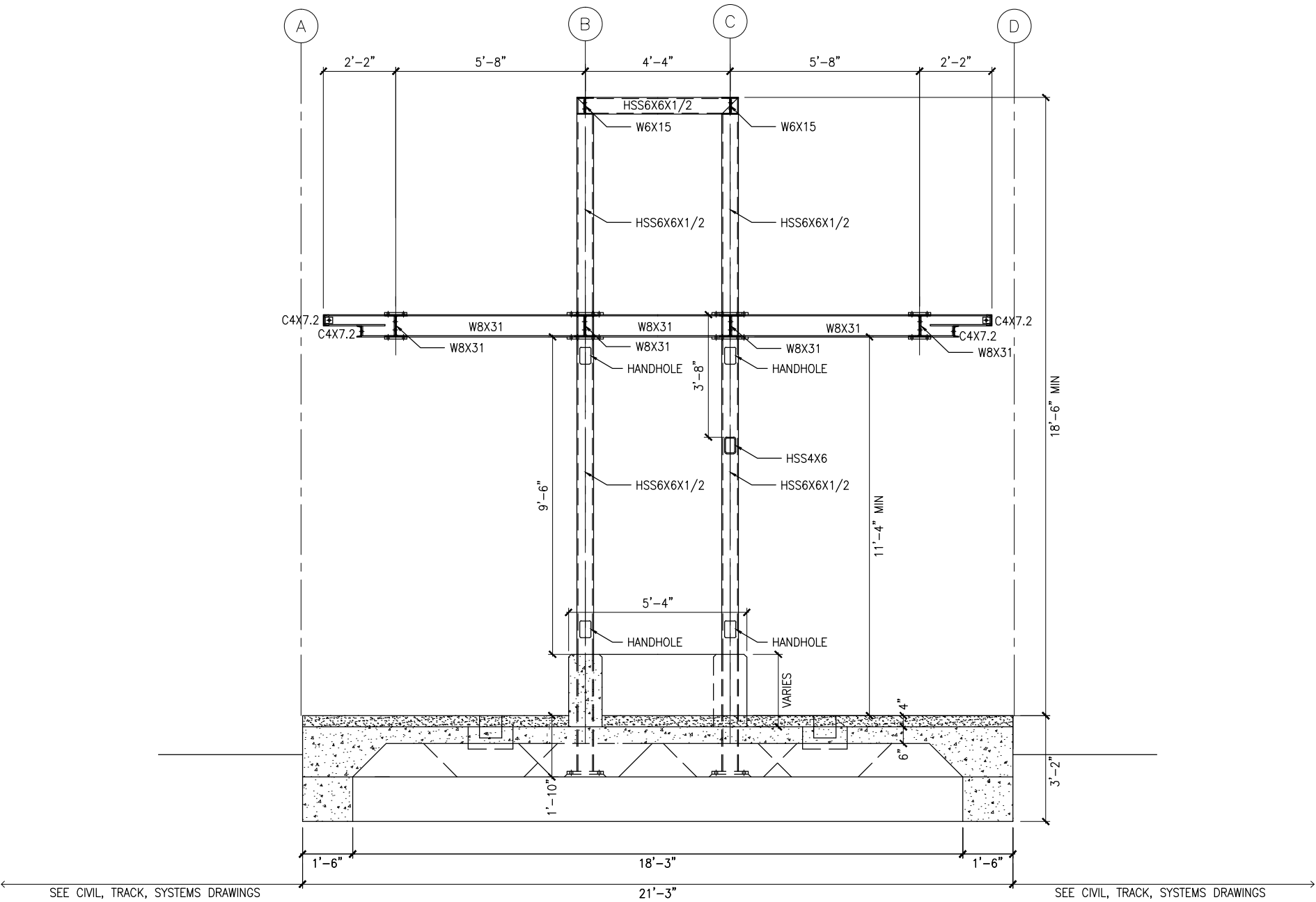
CIVIL EAST - VOLUME 11A  
DOWNTOWN HOPKINS STATION  
EAST PARTIAL ELEVATIONS -- FRAMING

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

SHEET  
43  
OF  
319



Sep. 21 2015 08:38 am k:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Downtown\_Hopkins\CAD\STR\E1-HOP-STR-SCT-300.dwg By: pepins



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



**AECOM**

60% SUBMISSION - 9/28/15



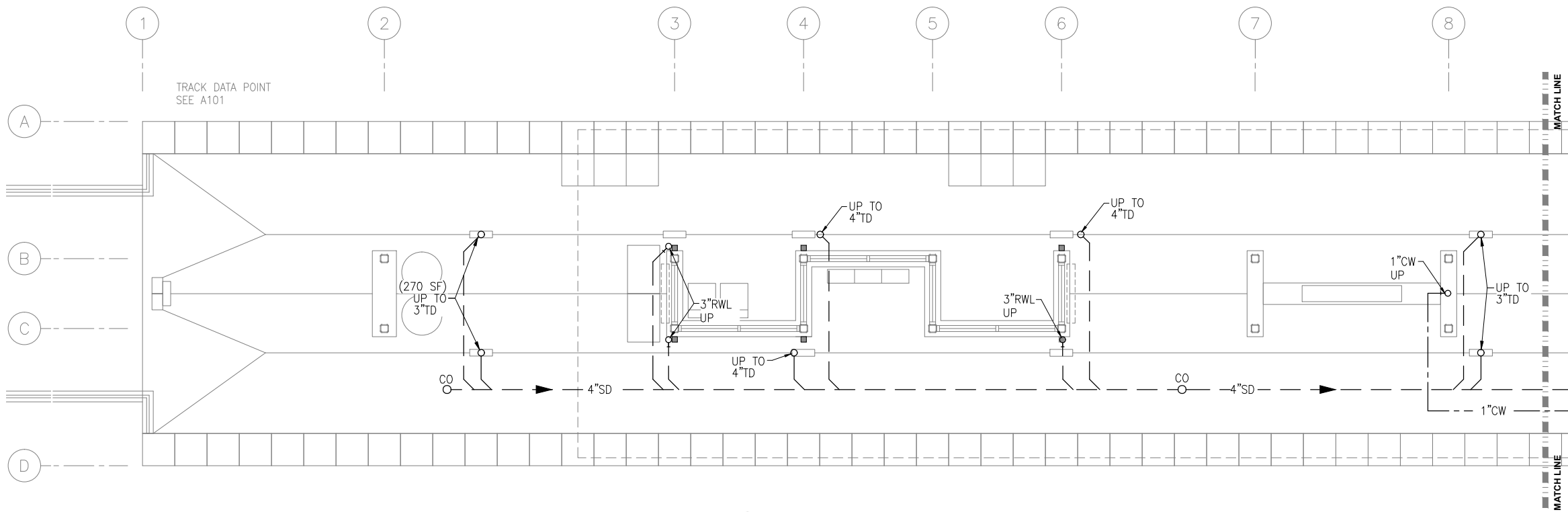
**CIVIL EAST - VOLUME 11A  
DOWNTOWN HOPKINS STATION  
TYPICAL PLATFORM SECTION**

DISCIPLINE: **STRUCTURES** SHEET NAME: **E1-HOP-STR-SCT-300**

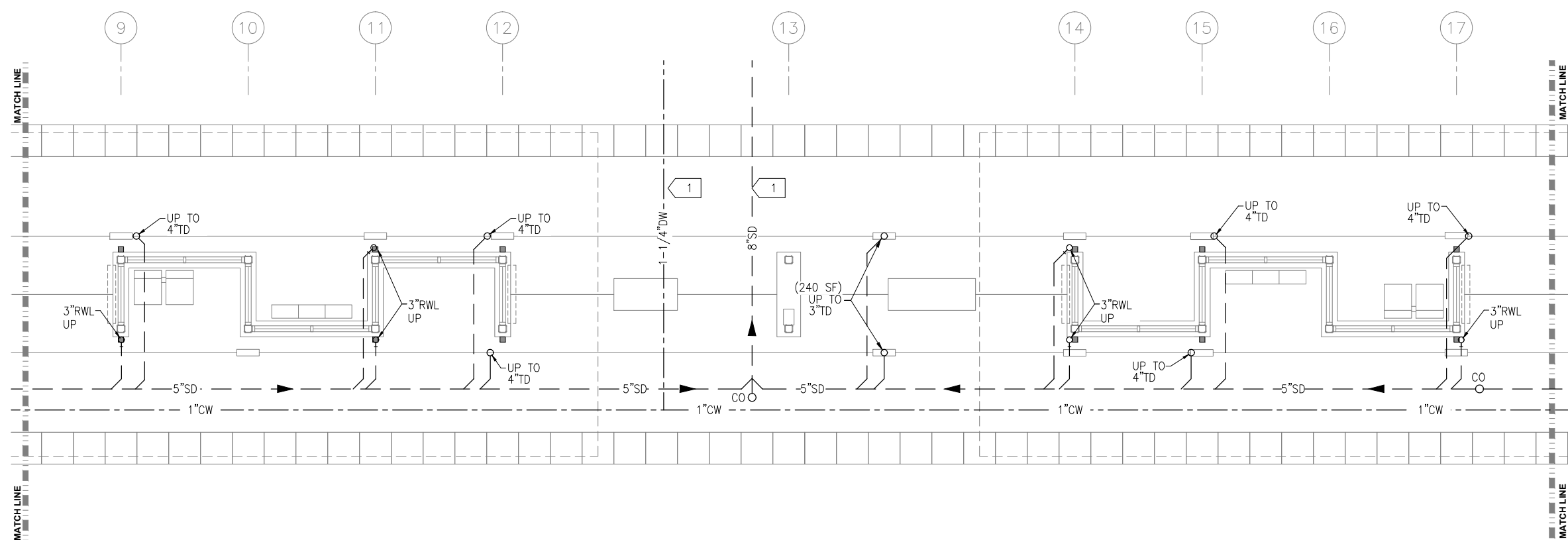
**SHEET  
44  
OF  
319**



Sep. 21 2015 01:28 pm Z:\Projects\AECOM\_SWLRT\_west\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\MECHANICAL\HOPKINS\E1-HOP-PLM-PLN-100.dwg By: craf



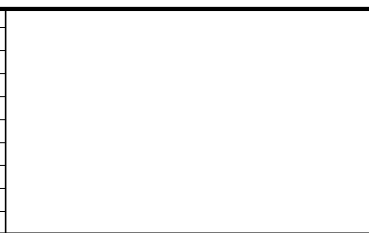
1 UNDERFLOOR PLUMBING PLAN  
1/4"=1'-0"







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



- PLUMBING GENERAL NOTES**
- A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES 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.
- PLUMBING KEY NOTES:**
- 1 EXTEND WATER AND STORM OUTSIDE GUIDEWAY. CONNECTION BY OUTDOOR UTILITY CONTRACTOR.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
HOPKINS STATION  
WEST AND MIDDLE PARTIAL  
UNDERFLOOR PLUMBING PLAN

DISCIPLINE: PLUMBING

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



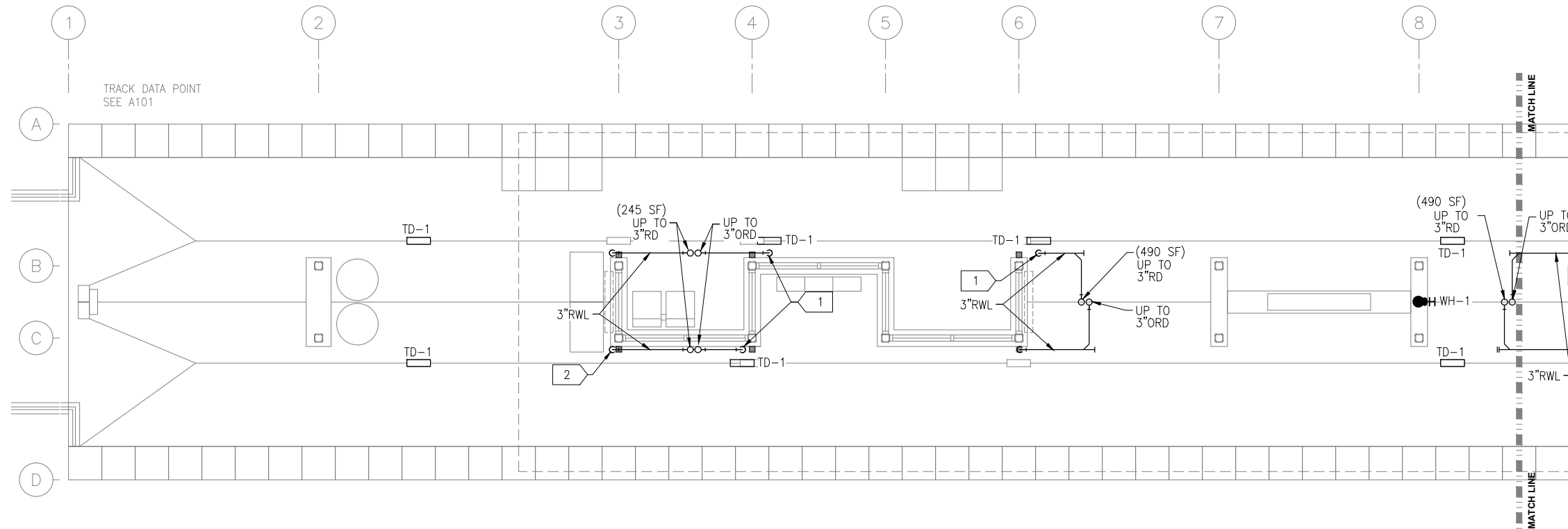
1 EXTEND WATER AND STORM OUTSIDE GUIDEWAY. CONNECTION BY OUTDOOR UTILITY CONTRACTOR.

[illegible]

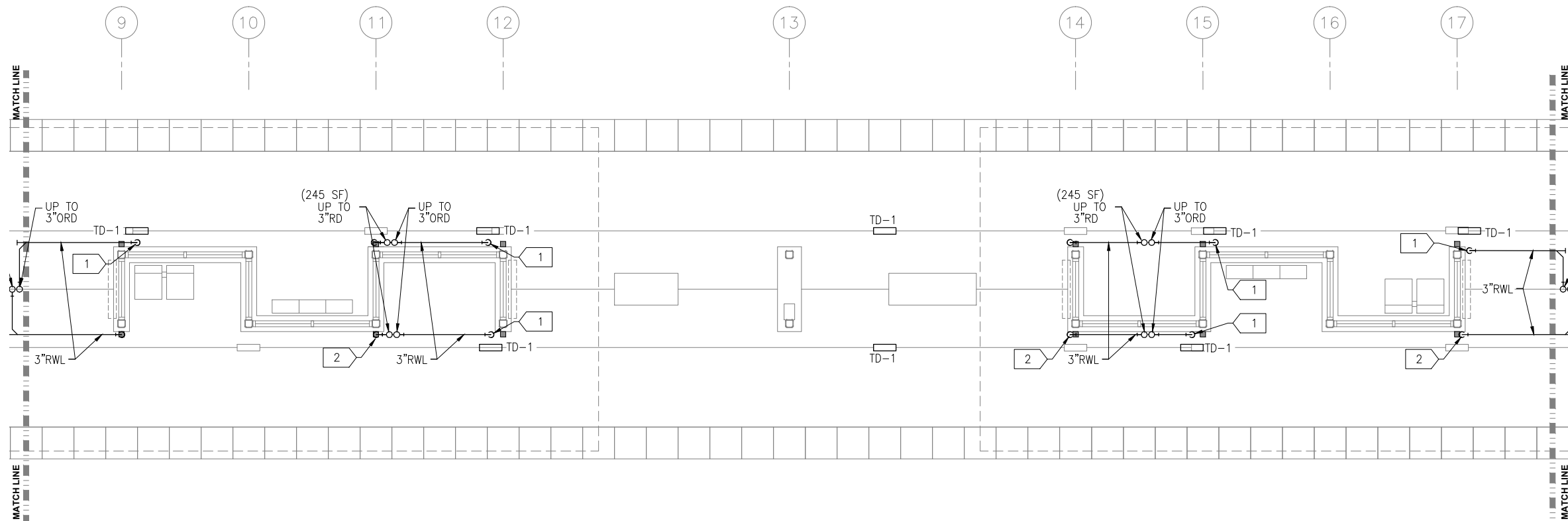
SHEET NAME:	E1-HOP-PLM-PLN-101
-------------	--------------------



Sep. 21 2015 01:27 pm Z:\Projects\AECOM\SWLRT west\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\MECHANICAL\HOPKINS\E1-HOP-PLM-PLN-110.dwg By: craig



1 PLUMBING PLAN  
1/4"=1'-0"



2 PLUMBING PLAN  
1/4"=1'-0"

#### PLUMBING GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
- MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
- REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS AND LAYOUT.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR STORM DOWNSPOUT MATERIAL.

#### PLUMBING KEY NOTES

- 3x3 RWL DOWN TO DAYLIGHT ABOVE TD-1. SEE ARCHITECTURAL DOCUMENTS FOR RAIN WATER LEADER MATERIAL AND SHAPE.
- 3x3 RWL DOWN TO JOSAM CONNECTION TO 3" UNDERFLOOR STORM DRAIN.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**ENGINEERING • LLC**  
CERTIFIED WOMEN'S  
BUSINESS ENTERPRISE



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A  
HOPKINS STATION  
WEST AND MIDDLE PARTIAL  
PLUMBING PLAN**

DISCIPLINE:  
**PLUMBING**

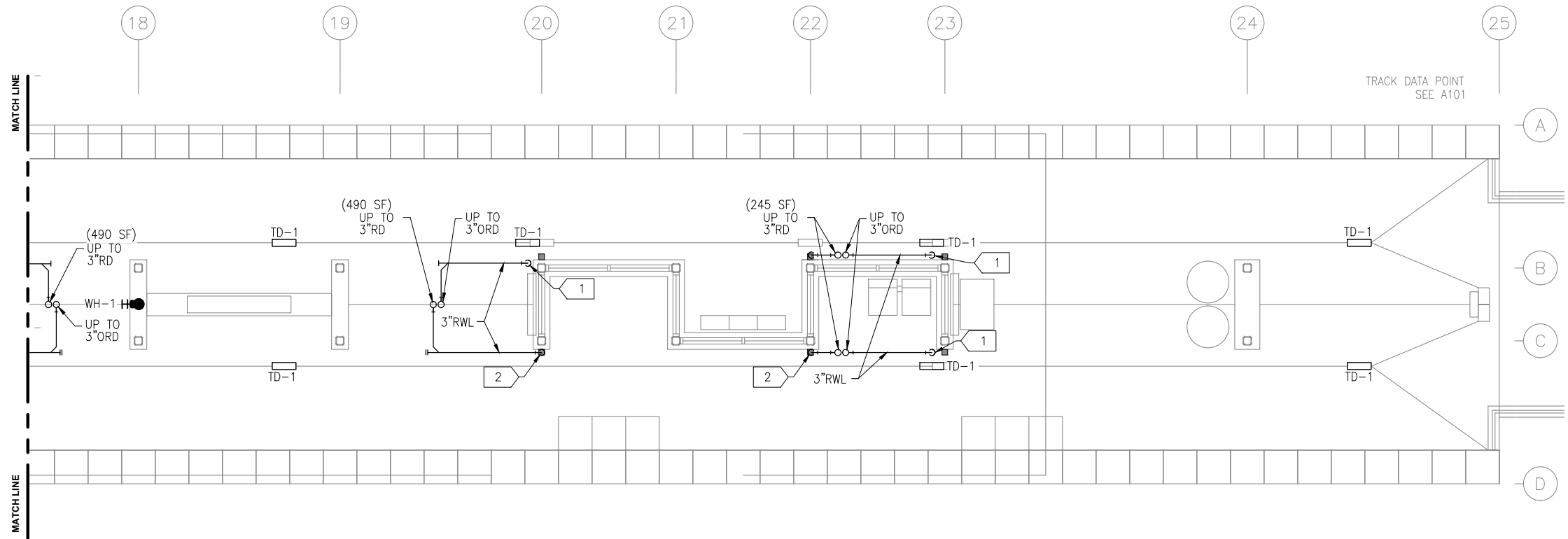
SHEET NAME:  
**E1-HOP-PLM-PLN-110**

**SHEET**  
**47**  
**OF**  
**319**

**60% SUBMISSION - 09/28/15**



Sep. 21 2015 01:27 pm Z:\Projects\AECOM\SWLRT west\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\MECHANICAL\HOPKINS\E1-HOP-PLM-PLN-111.dwg By: craig

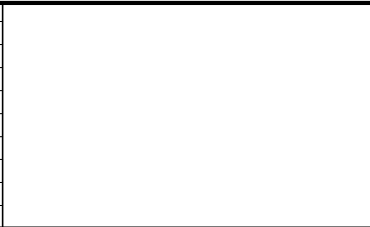


1 PLUMBING PLAN  
1/4"=1'-0"

- PLUMBING GENERAL NOTES**
- A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES 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.

- PLUMBING KEY NOTES**
- 1 3x3 RWL DOWN TO DAYLIGHT ABOVE TD-1. SEE ARCHITECTURAL DOCUMENTS FOR RAIN WATER LEADER MATERIAL AND SHAPE.
  - 2 3x3 RWL DOWN TO JOSAM. CONNECTION TO 3" UNDERFLOOR STORM DRAIN.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



**AECOM**

ENGINEERING • LLC  
CERTIFIED WOMEN'S  
BUSINESS ENTERPRISE

60% SUBMISSION - 09/28/15

**METROPOLITAN**  
COUNCIL

**SOUTHWEST**  
Green Line LRT Extension

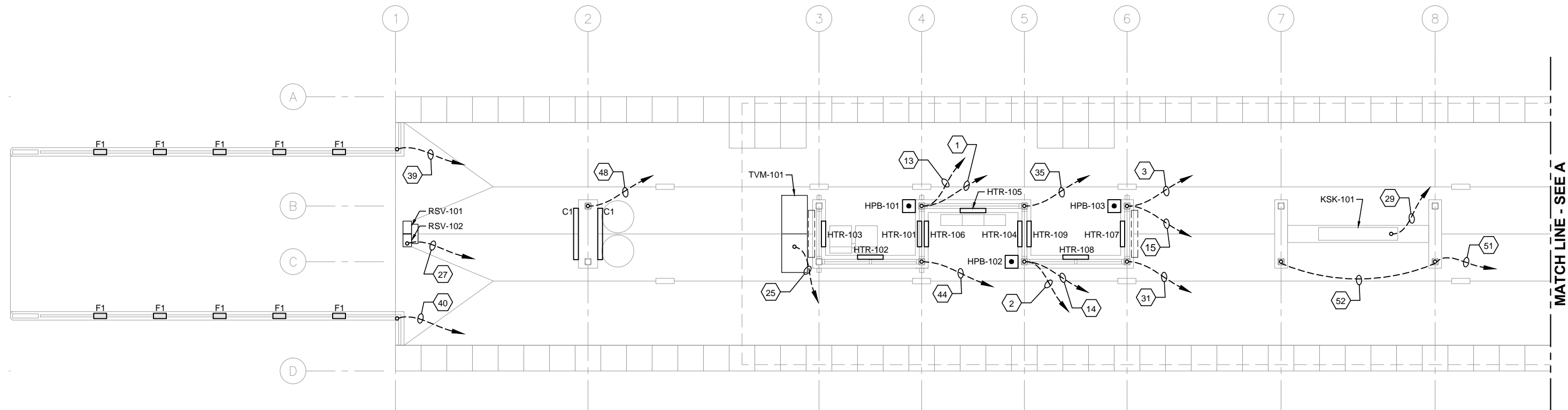
**CIVIL EAST - VOLUME 11A**  
**HOPKINS STATION**  
**EAST PARTIAL PLUMBING PLAN**  
**AND RISER DIAGRAMS**

DISCIPLINE: **PLUMBING**

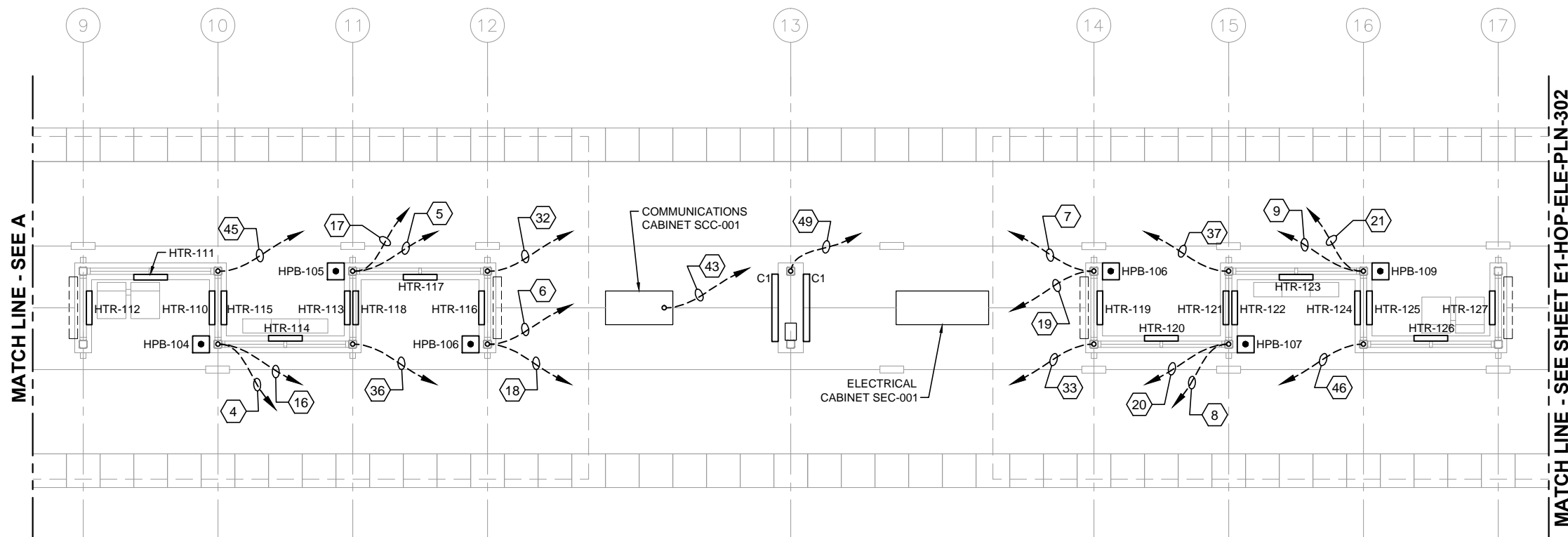
SHEET NAME: **E1-HOP-PLM-PLN-111**



Sep. 25 2015 11:11 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-HOP-ELE-PLN-301.dwg By: V-BegeJB



MATCH LINE - SEE A



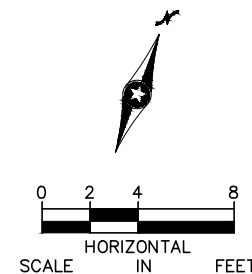
MATCH LINE - SEE A

MATCH LINE - SEE SHEET E1-HOP-ELE-PLN-302

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.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



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

DISCIPLINE:  
ELECTRICAL

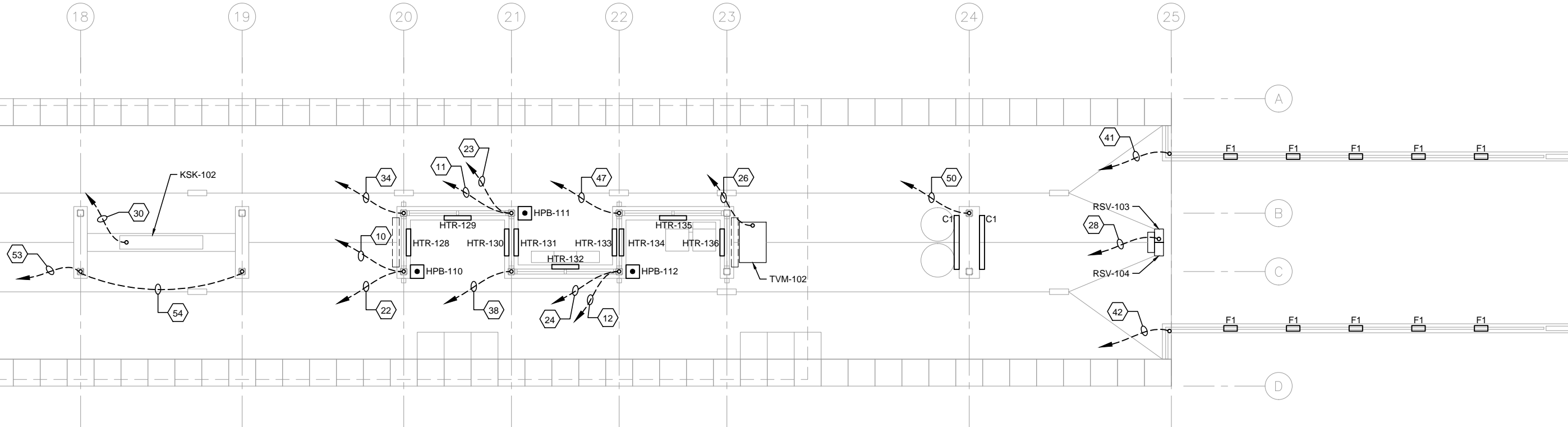
SHEET NAME:  
E1-HOP-ELE-PLN-301

SHEET  
49  
OF  
319



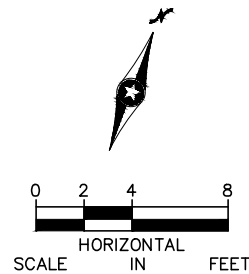
Sep. 25 2015 11:12 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-HOP-ELE-PLN-302.dwg By: V-Bege,B

MATCH LINE - SEE SHEET E1-HOP-ELE-PLN-301



**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.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15

**METROPOLITAN**  
COUNCIL

**SOUTHWEST**  
Green Line LRT Extension

**CIVIL EAST - VOLUME 11A**  
**DOWNTOWN HOPKINS STATION**  
**ELECTRICAL**  
**UNDERSLAB CONDUIT PLAN (2 OF 2)**

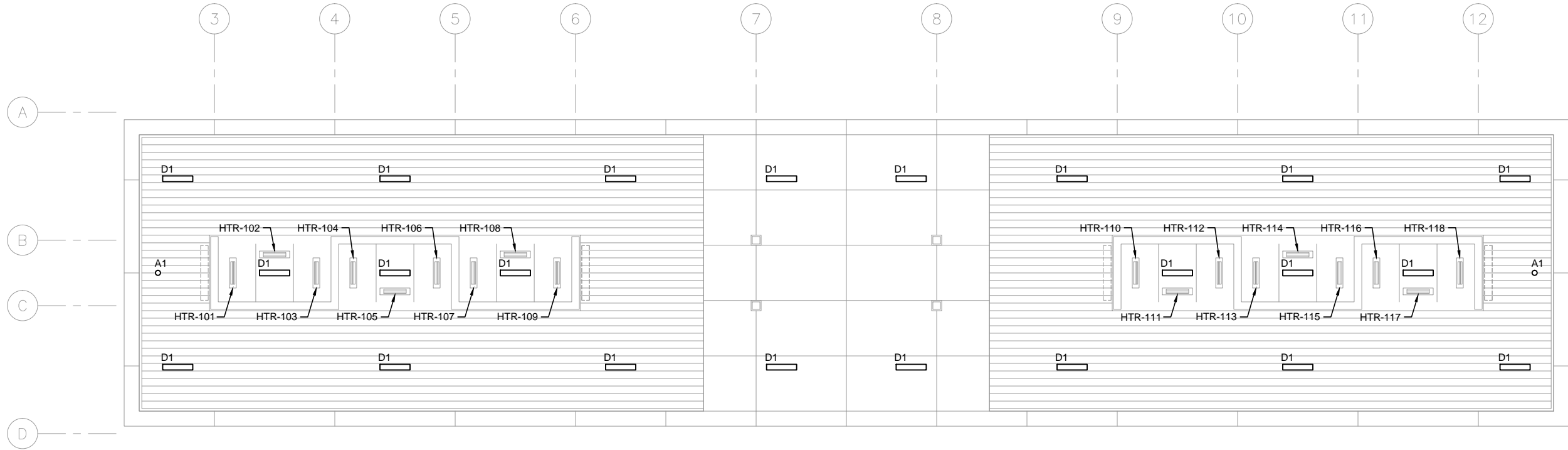
DISCIPLINE:  
**ELECTRICAL**

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

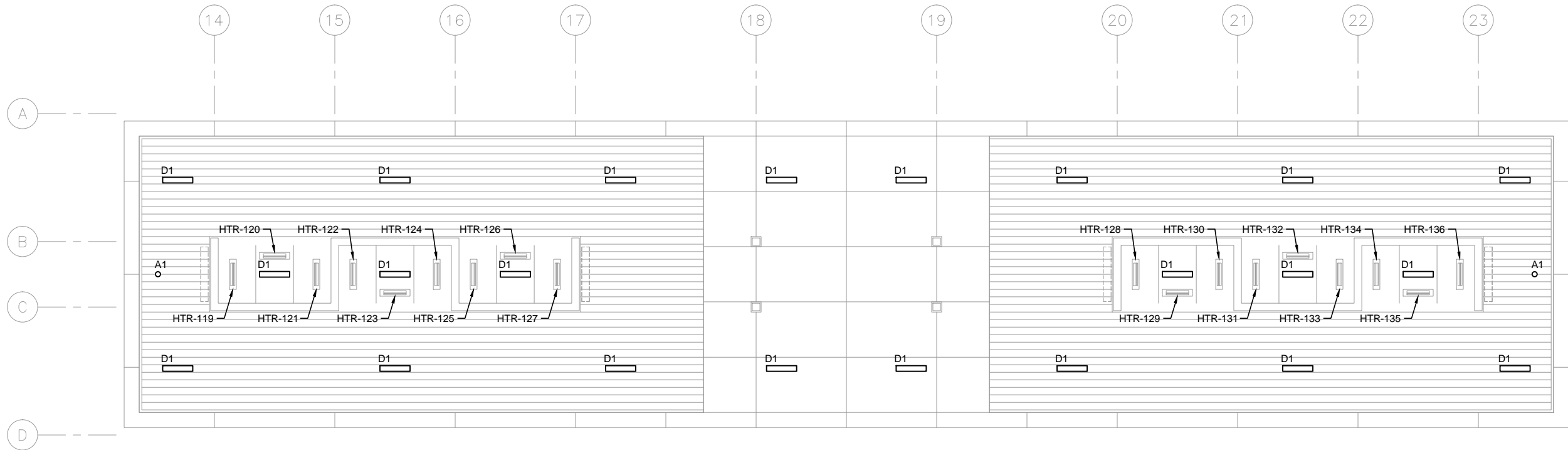
**SHEET**  
**50**  
**OF**  
**319**



Sep. 25 2015 08:44 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-HOP-ELE-PLN-303.dwg By: FergTK



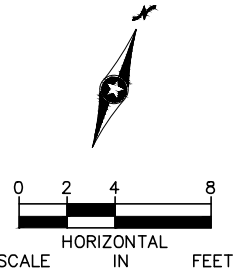
1 CANOPY PLAN – WEST  
SCALE: 1/8"=1'-0"



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

- GENERAL NOTES:
1. PROVIDE HEAT TRACE IN GUTTERS, DOWN SPOUTS AND RAIN CONDUCTORS.

- KEYNOTES:
- 1.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15

**METROPOLITAN**  
COUNCIL

**SOUTHWEST**  
Green Line LRT Extension

**CIVIL EAST - VOLUME 11A**  
**DOWNTOWN HOPKINS STATION**  
**ELECTRICAL**  
**CANOPY PLAN**

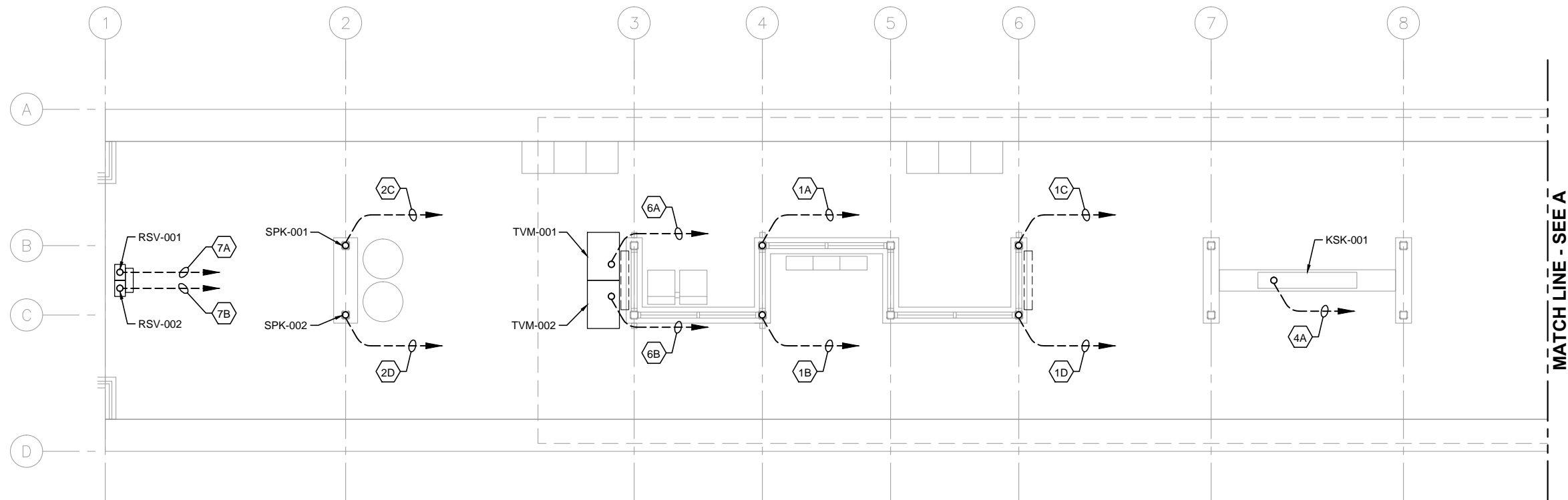
DISCIPLINE: **ELECTRICAL**

SHEET NAME: **E1-HOP-ELE-PLN-303**

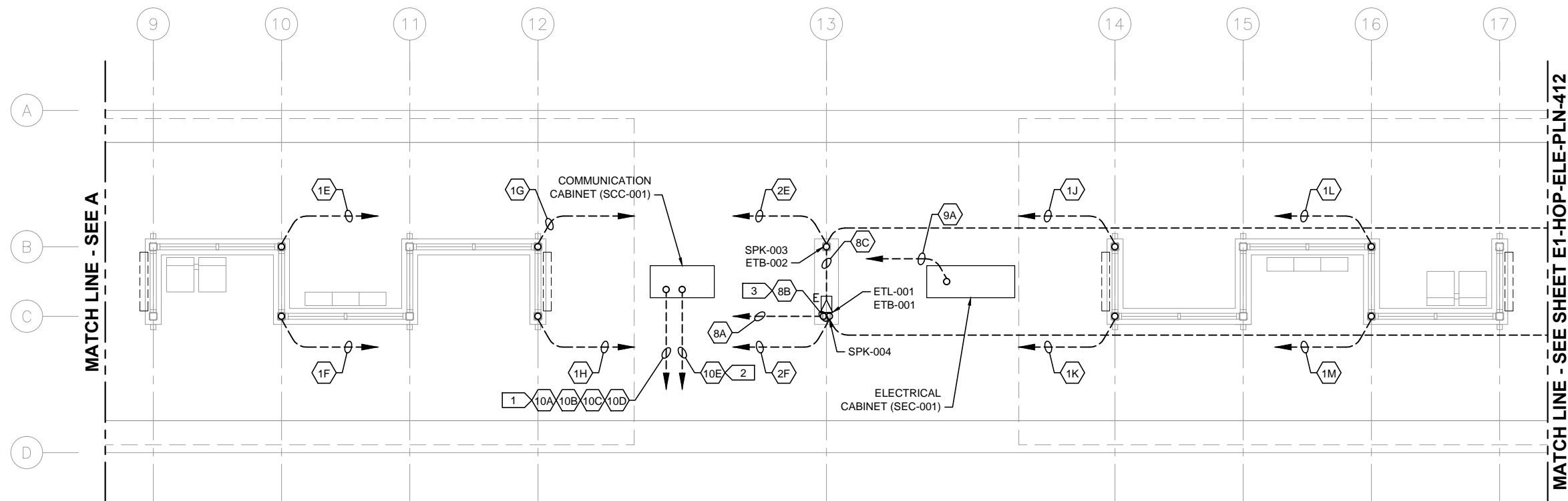
SHEET  
51  
OF  
319



Sep. 25 2015 08:44 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-HOP-ELE-PLN-411.dwg By: FergTK



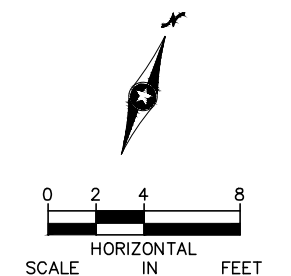
1 PLATFORM PLAN - WEST  
SCALE: 1/8"=1'-0"



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 CANOPY COMMUNICATIONS PLAN.

- KEYNOTES:
1. COMMUNICATIONS CONDUITS TO/FROM STATION SIGNAL-COMMUNICATIONS HOUSE.
  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.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM** *MP Consultants*  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15



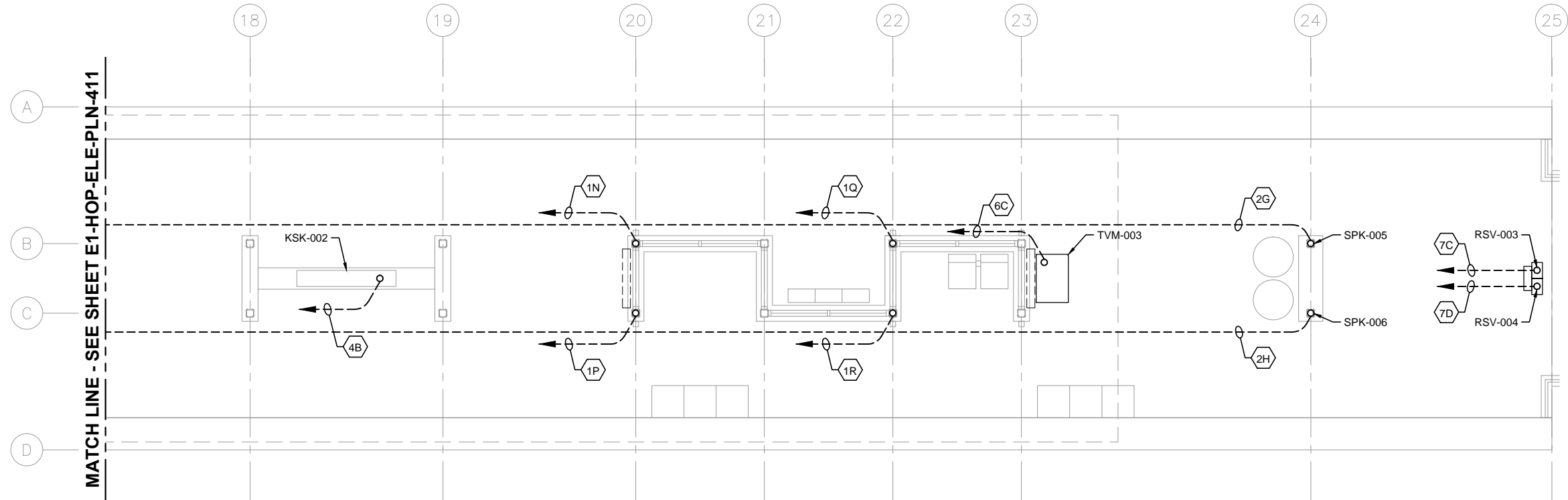
**CIVIL EAST - VOLUME 11A  
DOWNTOWN HOPKINS STATION  
COMMUNICATIONS  
UNDERSLAB CONDUIT PLAN (1 OF 2)**

DISCIPLINE: **ELECTRICAL** SHEET NAME: **E1-HOP-ELE-PLN-411**

**SHEET**  
**52**  
**OF**  
**319**



Sep. 25 2015 08:45 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-HOP-ELE-PLN-412.dwg By: FergTK

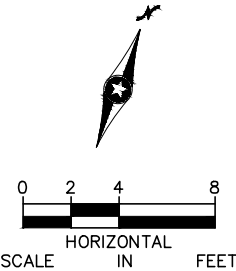


- GENERAL NOTES:
1. DASHED LINES WITH AN ARROWHEAD DENOTE HOMERUN TO SCC-001, UNLESS OTHERWISE NOTED.
  2. FOR CONDUITS AND DEVICES MOUNTED TO CANOPY, SEE CANOPY COMMUNICATIONS PLAN.

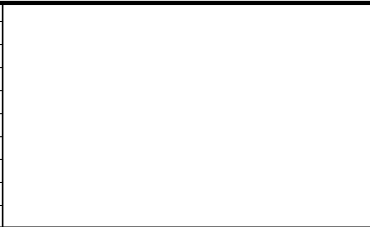
KEYNOTES:

1.

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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



**AECOM**

**MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15

**METROPOLITAN**  
C O U N C I L

**SOUTHWEST**  
Green Line LRT Extension

**CIVIL EAST - VOLUME 11A**  
**DOWNTOWN HOPKINS STATION**  
**COMMUNICATIONS**  
**UNDERSLAB CONDUIT PLAN (2 OF 2)**

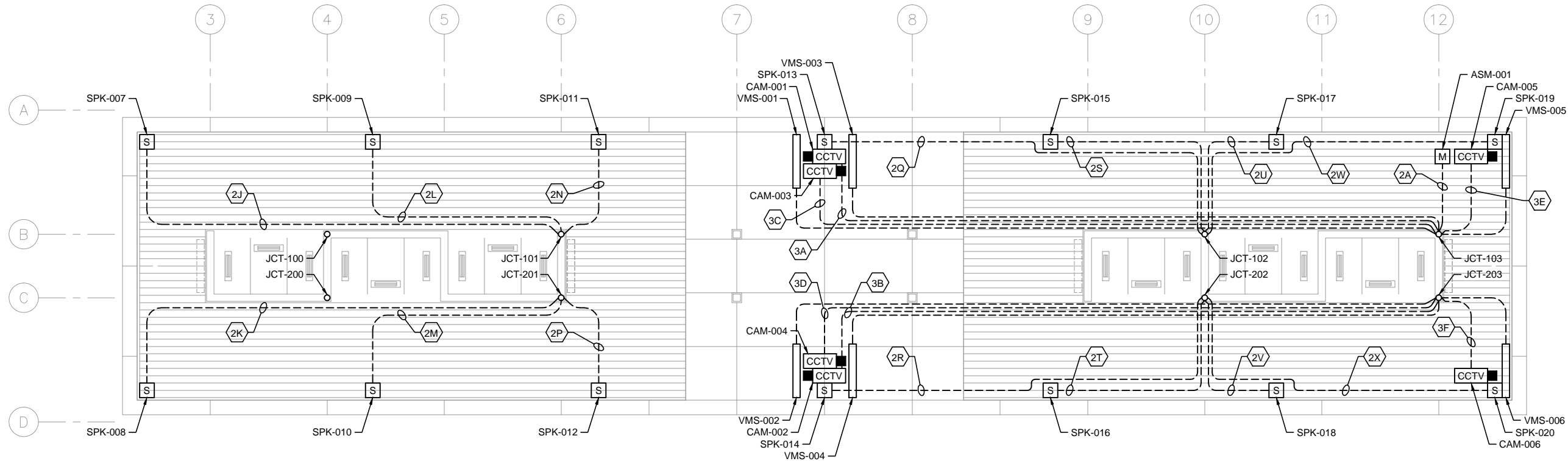
DISCIPLINE: **ELECTRICAL**

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

**SHEET**  
**53**  
**OF**  
**319**



Sep. 25 2015 08:45 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-HOP-ELE-PLN-421.dwg By: FergTK



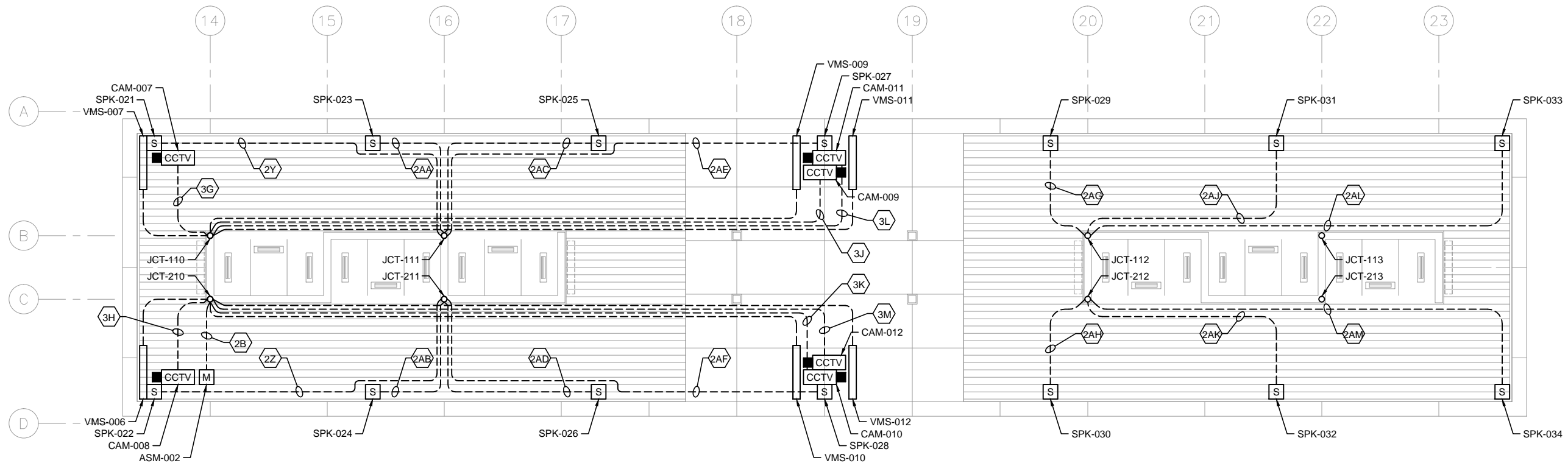
GENERAL NOTES:

1.

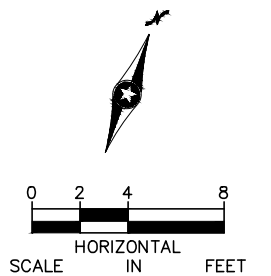
KEYNOTES:

1.

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



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
DOWNTOWN HOPKINS STATION  
COMMUNICATIONS  
CANOPY PLAN

DISCIPLINE:  
ELECTRICAL

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

SHEET  
54  
OF  
319



[illegible]

**METROPOLITAN**  
COUNCIL



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



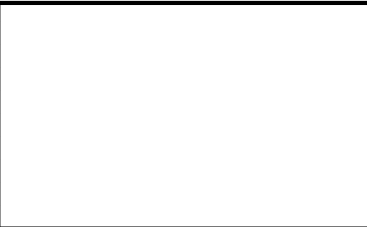
Sep. 25 2015 08:46 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-HOP-ELE-SCH-462.dwg By: FergTK

CONDUIT NO.	DEVICE ID	DESCRIPTION/USE	FROM	TO	CONDUIT SIZE
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"
3A	HOP -CON-0301	CAMERA 1	HOP -JCT-100	HOP CAM-001	1"
3B	HOP -CON-0302	CAMERA 2	HOP -JCT-200	HOP CAM-002	1"
3C	HOP -CON-0303	CAMERA 3	HOP -JCT-100	HOP CAM-003	1"
3D	HOP -CON-0304	CAMERA 4	HOP -JCT-200	HOP CAM-004	1"
3E	HOP -CON-0305	CAMERA 5	HOP -JCT-100	HOP CAM-005	1"
3F	HOP -CON-0306	CAMERA 6	HOP -JCT-200	HOP CAM-006	1"
3G	HOP -CON-0307	CAMERA 7	HOP -JCT-120	HOP CAM-007	1"
3H	HOP -CON-0308	CAMERA 8	HOP -JCT-220	HOP CAM-008	1"
3J	HOP -CON-0309	CAMERA 9	HOP -JCT-120	HOP CAM-009	1"
3K	HOP -CON-0310	CAMERA 10	HOP -JCT-220	HOP CAM-010	1"
3L	HOP -CON-0311	CAMERA 11	HOP -JCT-120	HOP CAM-011	1"
3M	HOP -CON-0312	CAMERA 12	HOP -JCT-220	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	HOP -JCT-100	HOP -VMS-001	1"
5B	HOP -CON-0502	VMS 2	HOP -JCT-200	HOP -VMS-002	1"
5C	HOP -CON-0503	VMS 3	HOP -JCT-100	HOP -VMS-003	1"
5D	HOP -CON-0504	VMS 4	HOP -JCT-200	HOP -VMS-004	1"
5E	HOP -CON-0505	VMS 5	HOP -JCT-100	HOP -VMS-005	1"
5F	HOP -CON-0506	VMS 6	HOP -JCT-200	HOP -VMS-006	1"
5G	HOP -CON-0507	VMS 7	HOP -JCT-120	HOP -VMS-007	1"
5H	HOP -CON-0508	VMS 8	HOP -JCT-220	HOP -VMS-008	1"
5J	HOP -CON-0509	VMS 9	HOP -JCT-120	HOP -VMS-009	1"
5K	HOP -CON-0510	VMS 10	HOP -JCT-220	HOP -VMS-010	1"
5L	HOP -CON-0511	VMS 11	HOP -JCT-120	HOP -VMS-011	1"
5M	HOP -CON-0512	VMS 12	HOP -JCT-220	HOP -VMS-012	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	EMERGENCYTELEPHONE 1 - PHONE	HOP -SCC-001	HOP -ETL-001	1-1/2"
8B	HOP -CON-0802	EMERGENCYTELEPHONE 1 - BEACON LIGHT 1	HOP -ETL-001	HOP -ETB-001	1"
8C	HOP -CON-0803	EMERGENCYTELEPHONE 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"

1

COMMUNICATIONS CONDUIT SCHEDULE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15

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

DISCIPLINE: ELECTRICAL

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



CODE SUMMARY - CENTER PLATFORM  
BLAKE STATION

CODE REFERENCES

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

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)  
5416 SQUARE FEET (NET AREA AFTER STRUCTURAL ELEMENTS, FIXTURES AND PERMANENTLY INSTALLED FURNISHINGS ARE REMOVED)

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 = 5420 S.F. / 15 S.F./OCC = 361  
REQUIRED EGRESS WIDTH = 361 X 0.2 = 72" (PER 1005.3.2)  
WIDTH PROVIDED = 2 RAMPS AT 145" = 290"  
2 MEANS OF EGRESS PROVIDED

NFPA 130 EXITING SUMMARY

FURTHER ANALYSIS REQUIRED

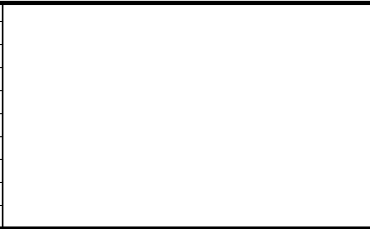
PLATFORM COLOR AND  
FINISH SCHEDULE

SEE STATION SPECIFICATIONS FOR MATERIAL IDENTIFICATION

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	BLAKE STATION	PPG 518-6 KNIGHT'S ARMOR	CEMSTONE SPLIT ROCK	TBD	CEMSTONE SPLIT ROCK	TBD	SS CABLE	CLEAR ANODIZED	HUNTER DOUGLAS WOODWRIGHT 8436 GOLDEN DOUGLAS FIR	ALUCOBOND MERCEDES DEEP BLUE	TBD

Sep. 25 2015 10:09 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-COD-010.dwg By: MurphysP

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





60% SUBMISSION - 09/28/15



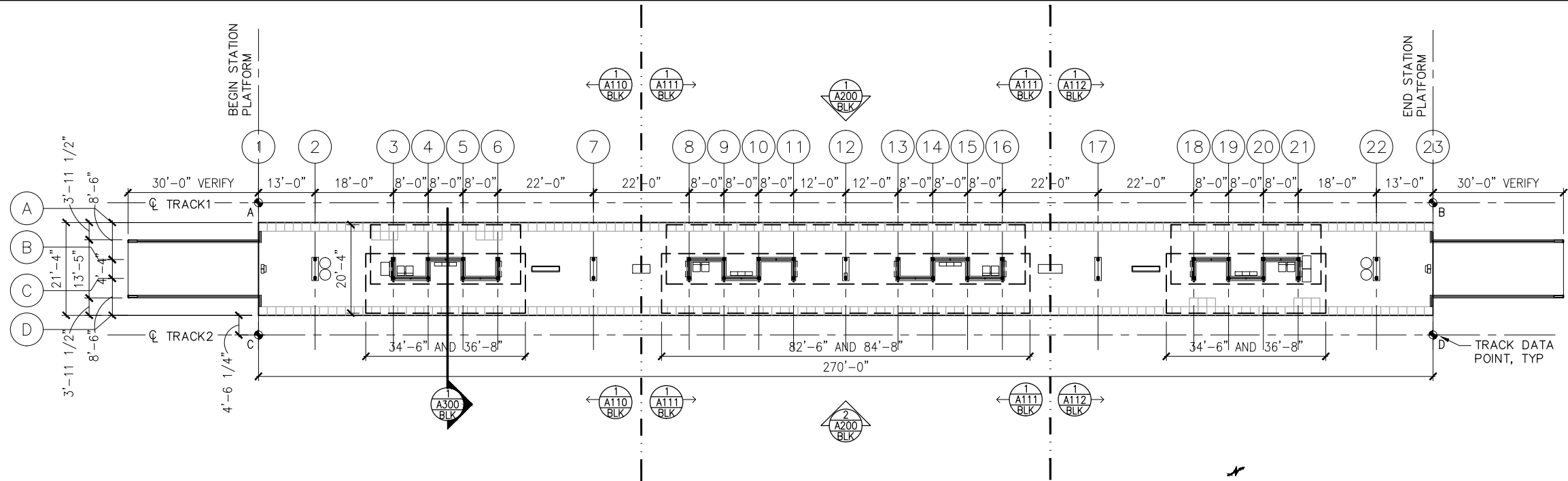
CIVIL EAST - VOLUME 11A  
BLAKE STATION  
CODE SUMMARY / FINISH SCHEDULE

DISCIPLINE: ARCHITECTURE

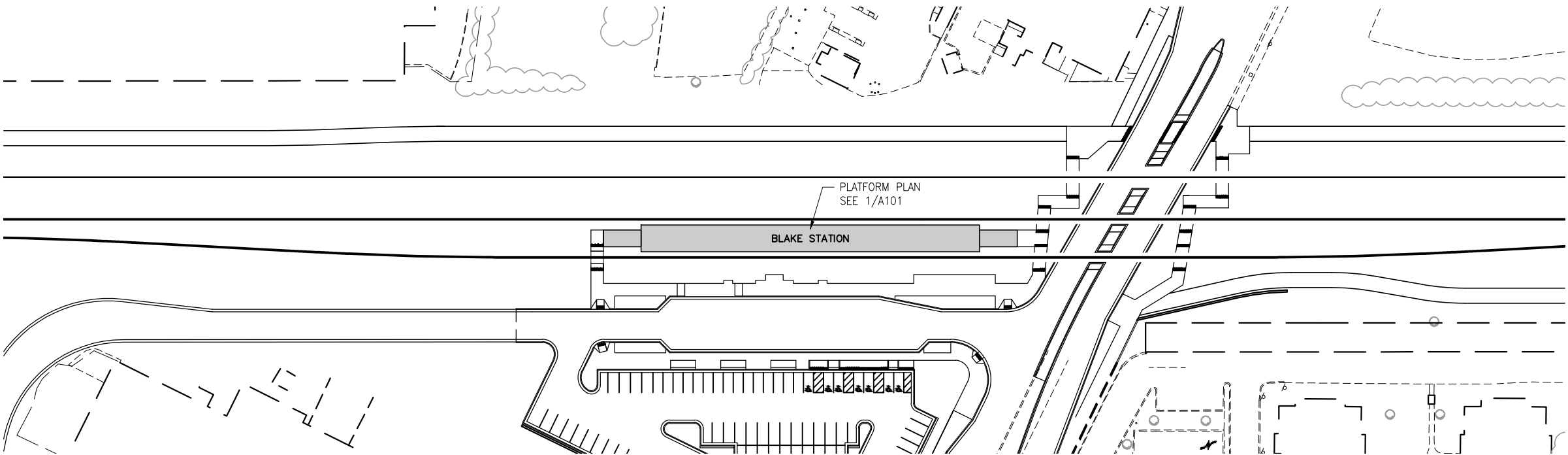
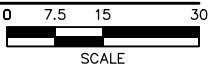
SHEET NAME: E1-BLK-ARC-COD-010



Sep. 21 2015 09:32 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-PLN-101.dwg By: V-IyerN



1 PLATFORM PLAN  
SCALE: 1"=30'



2 STATION AREA PLAN  
SCALE: 1"=100'



TRACK DATA

ELEV 100'-0" (LOCATION ON PLAN)

TRACK 1 EL 100'-0"=     xxx.xx (PT 'A')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING
A	xxx.xx	xxxx+xx.xx
B	xxx.xx	xxxx+xx.xx

TRACK 2 EL 100'-0"=     xxx.xx (PT 'C')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING
C	xxx.xx	xxxx+xx.xx
D	xxx.xx	xxxx+xx.xx

SECTION DIAGRAM AT PLATFORM EDGE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



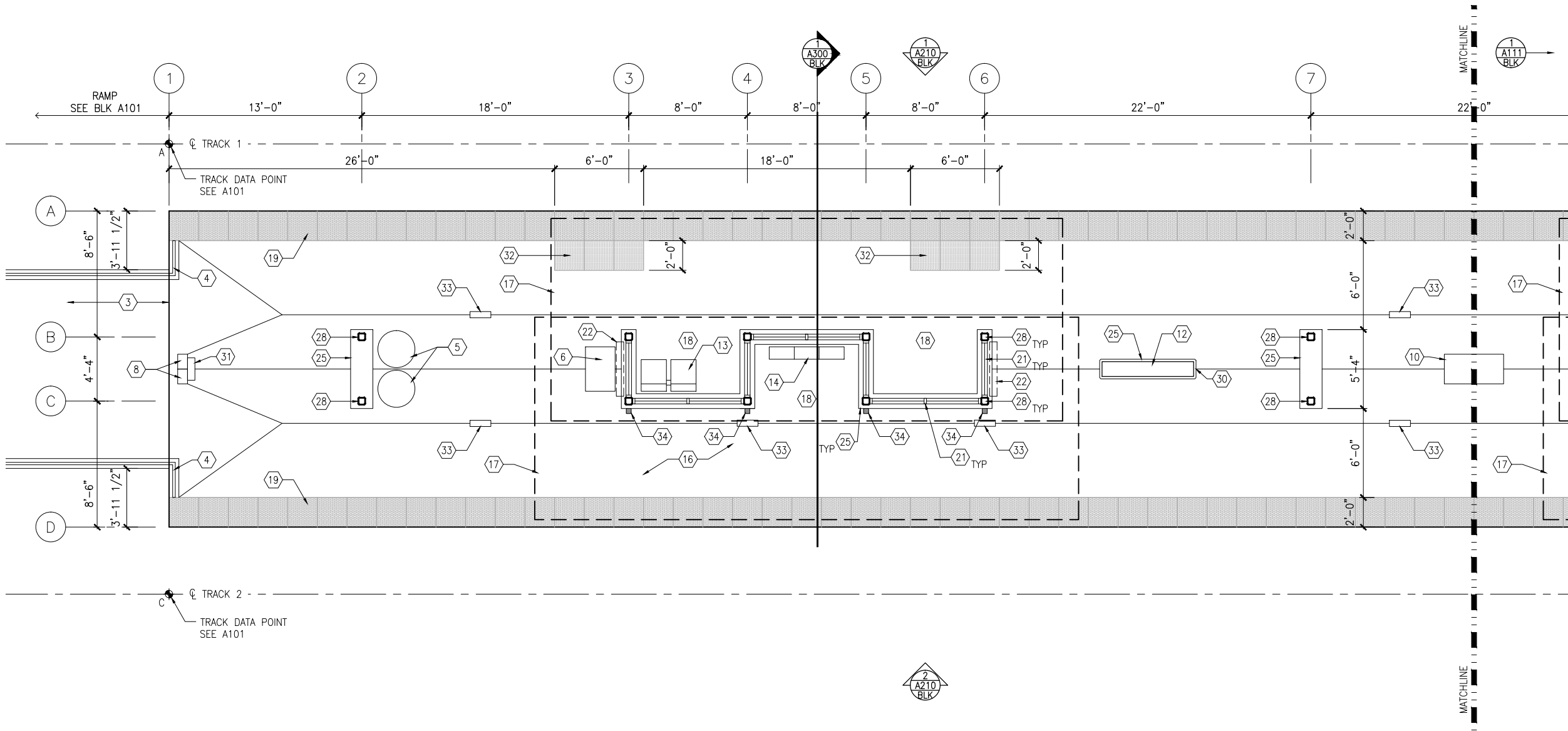
60% SUBMISSION - 09/28/15

CIVIL EAST - VOLUME 11A  
BLAKE STATION  
PLATFORM PLAN

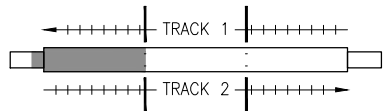
DISCIPLINE: ARCHITECTURE  
SHEET NAME: E1-BLK-ARC-PLN-101



Sep. 21 2015 09:32 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-PLN-110.dwg By: V-IyerN



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



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

KEY NOTES – (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER

2. LIGHT MOUNTED TO STRUCTURE

3. ACCESS RAMP

4. HAND RAIL

5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE

6. TICKET VENDING MACHINE

7. FUTURE TICKET VENDING MACHINE

8. STORED VALUE VALIDATOR

9. EMERGENCY CALL BOX

10. COMMUNICATION CABINET

11. ELECTRICAL CABINET

12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING

13. BENCH

14. LEANING RAIL

15. OVERHEAD CONTACT SYSTEM

16. CONCRETE PLATFORM

17. CANOPY ABOVE

18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS

19. DETECTABLE WARNING AT BOARDING EDGE

20. GUARD RAIL AND SAFETY SCREEN

21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM

22. VARIABLE MESSAGE SIGN ABOVE (FINAL LOCATIONS ARE TBD)

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

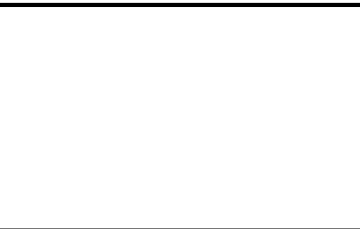
31. RIDER ALERT PANEL

32. ADA DOOR POSITION INDICATOR

33. AREA DRAIN

34. PRE-FINISHED METAL DOWNSPOUT

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15

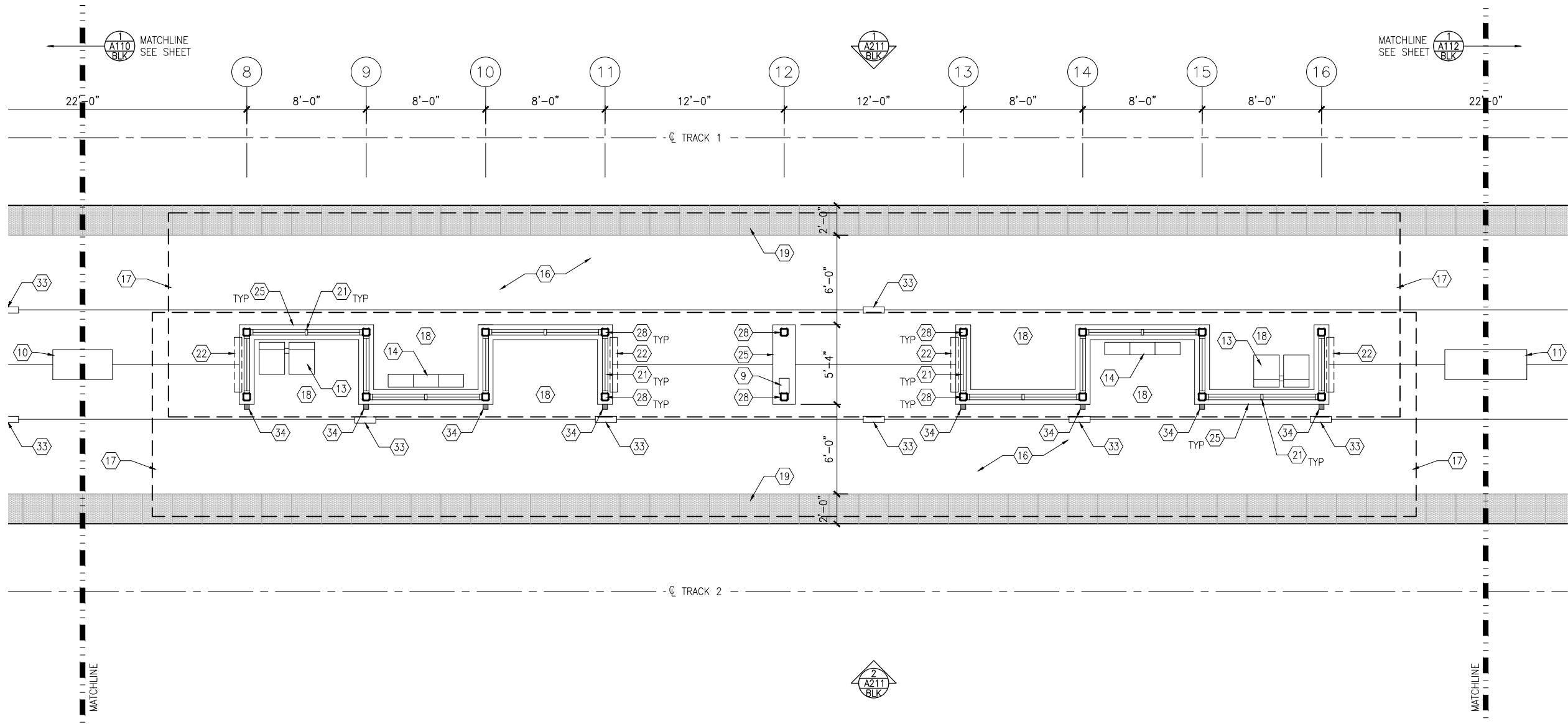
CIVIL EAST - VOLUME 11A  
BLAKE STATION  
WEST PARTIAL PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

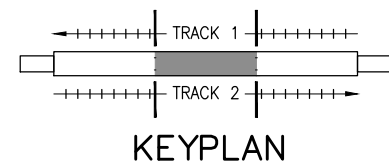
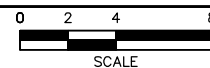
SHEET NAME: E1-BLK-ARC-PLN-110



Sep. 21 2015 09:33 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-PLN-111.dwg By: V-Iyer-N



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



## 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

## KEY NOTES - (#)

- NOTE: ALL KEYNOTES MAY NOT BE USED
1. ENTRY MARKER
  2. LIGHT MOUNTED TO STRUCTURE
  3. ACCESS RAMP
  4. HAND RAIL
  5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
  6. TICKET VENDING MACHINE
  7. FUTURE TICKET VENDING MACHINE
  8. STORED VALUE VALIDATOR
  9. EMERGENCY CALL BOX
  10. COMMUNICATION CABINET
  11. ELECTRICAL CABINET
  12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
  13. BENCH
  14. LEANING RAIL
  15. OVERHEAD CONTACT SYSTEM
  16. CONCRETE PLATFORM
  17. CANOPY ABOVE
  18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
  19. DETECTABLE WARNING AT BOARDING EDGE
  20. GUARD RAIL AND SAFETY SCREEN
  21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
  22. VARIABLE MESSAGE SIGN ABOVE (FINAL LOCATIONS ARE TBD)
  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
  31. RIDER ALERT PANEL
  32. ADA DOOR POSITION INDICATOR
  33. AREA DRAIN
  34. PRE-FINISHED METAL DOWNSPOUT

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**BLAKE STATION**  
**MIDDLE PARTIAL PLATFORM PLAN**

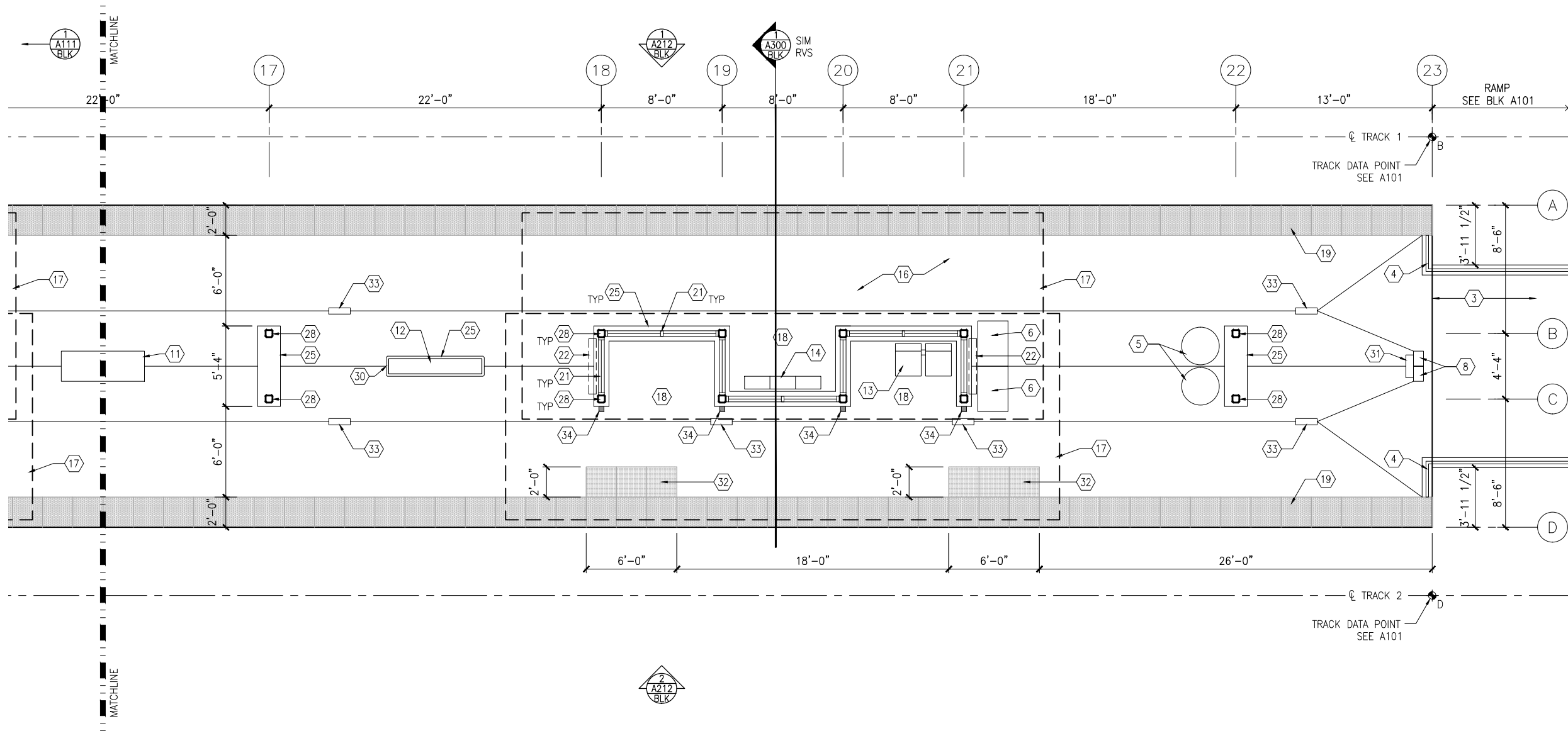
DISCIPLINE: **ARCHITECTURE**

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

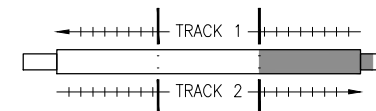
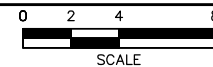
**SHEET**  
**60**  
**OF**  
**319**



Sep. 21 2015 09:33 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-PLN-112.dwg By: V-Iyer/N



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



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

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE (FINAL LOCATIONS ARE TBD)
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
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN
34. PRE-FINISHED METAL DOWNSPOUT

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**BLAKE STATION**  
**EAST PARTIAL PLATFORM PLAN**

DISCIPLINE:  
**ARCHITECTURE**

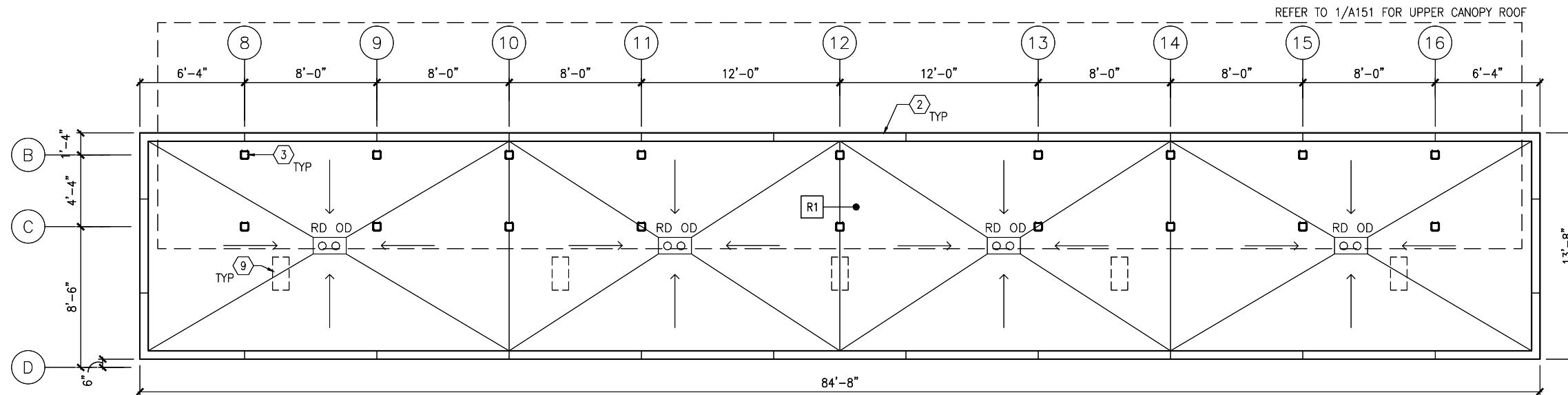
SHEET NAME:  
**E1-BLK-ARC-PLN-112**

**SHEET**  
**61**  
**OF**  
**319**

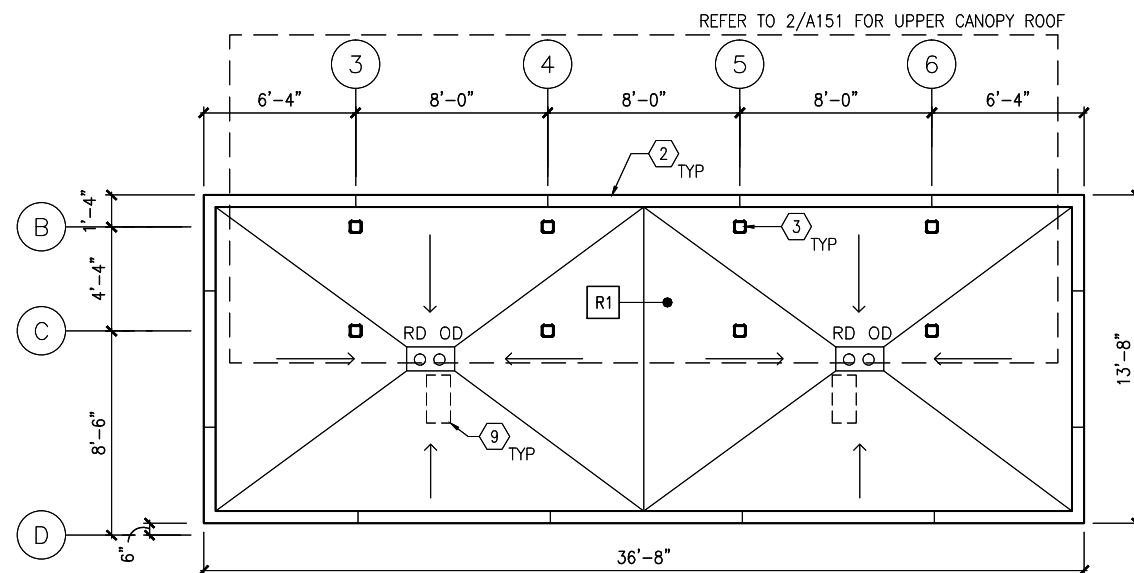
**60% SUBMISSION - 09/28/15**



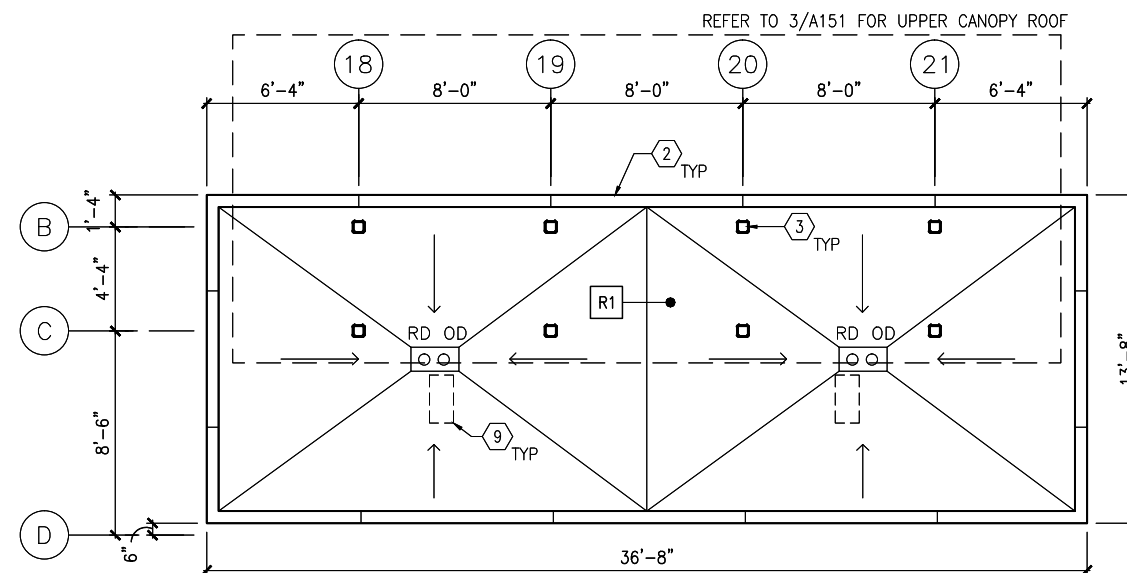
Sep. 21 2015 09:34 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-PLN-150.dwg By: V-lyerN



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



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



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

## GENERAL SHEET NOTES

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- ROOF SLOPE IS 1/8" PER FT UNO

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

- ALUMINUM STOREFRONT AND TRANSLUCENT GLAZING SYSTEM
- ALUMINUM COMPOSITE PANEL COPING
- STEEL COLUMN - SEE STRUCTURAL
- STEEL BEAM ABOVE - SEE STRUCTURAL
- PREFINISHED METAL SCUPPER
- PREFINISHED METAL GUTTER, SLOPE TO DOWNSPOUTS
- ROOF BASE FLASHING
- SUMP
- CONCRETE SPLASH BLOCK
- PRE-FINISHED METAL DOWNSPOUT
- ROOF EXPANSION JOINT
- BUILDING EXPANSION JOINT
- VENT THROUGH ROOF - SEE PLUMB
- INTEGRAL ROOF GUTTER - SLOPE TO DOWNSPOUTS BELOW
- 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<sub>u</sub> INSULATION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
BLAKE STATION  
LOWER ROOF PLANS**

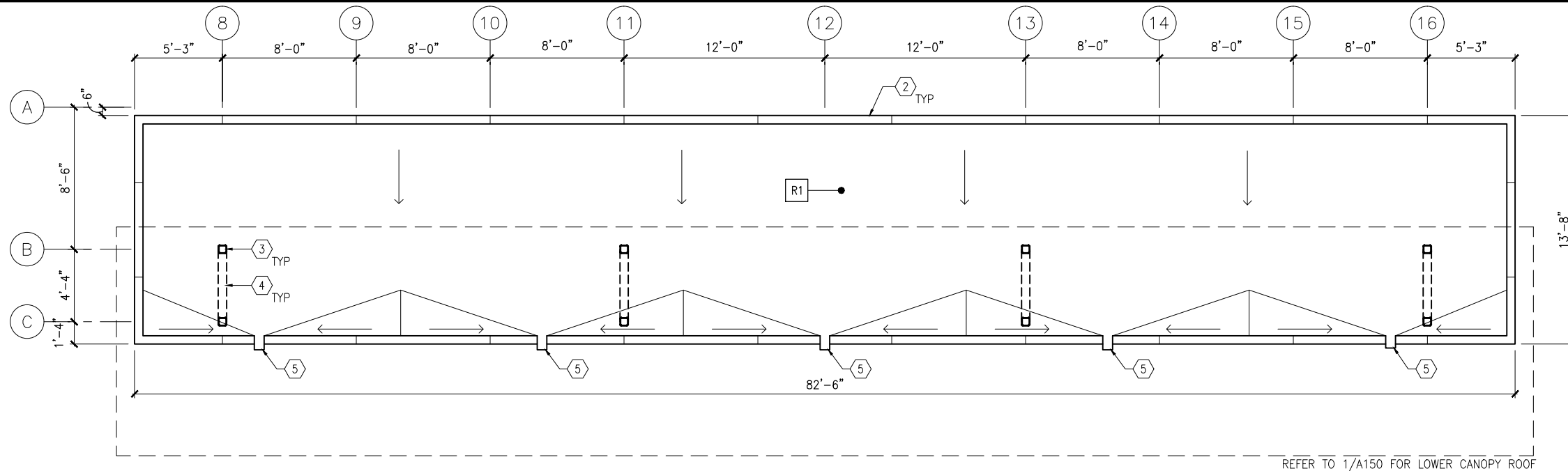
DISCIPLINE: **ARCHITECTURE**

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

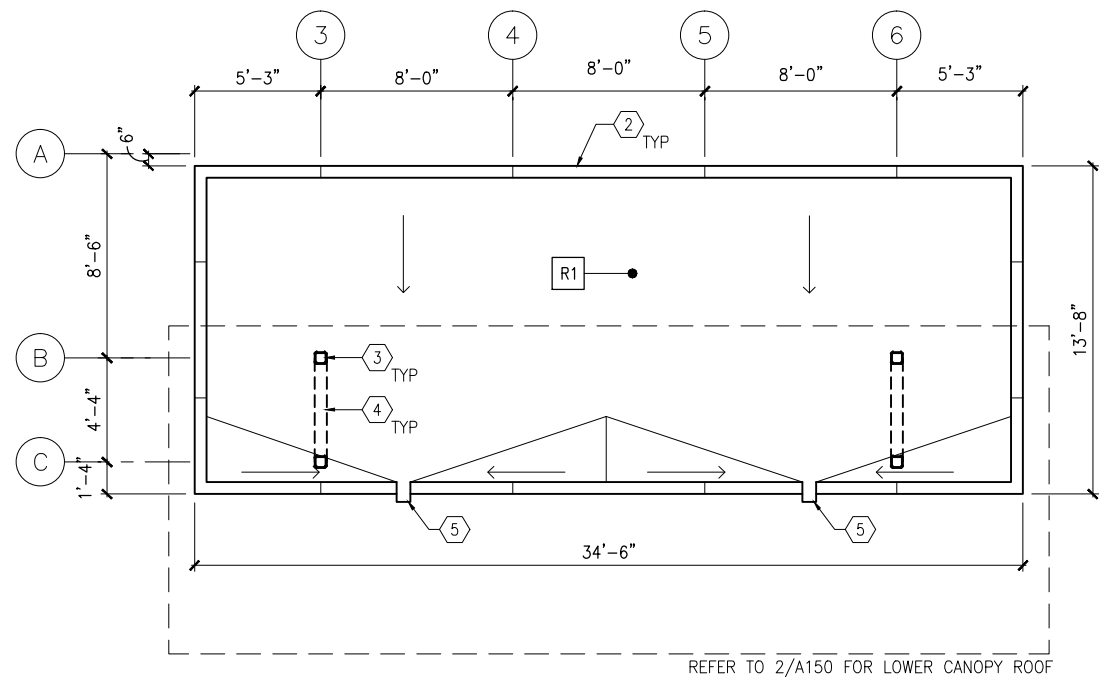
**SHEET**  
**62**  
**OF**  
**319**



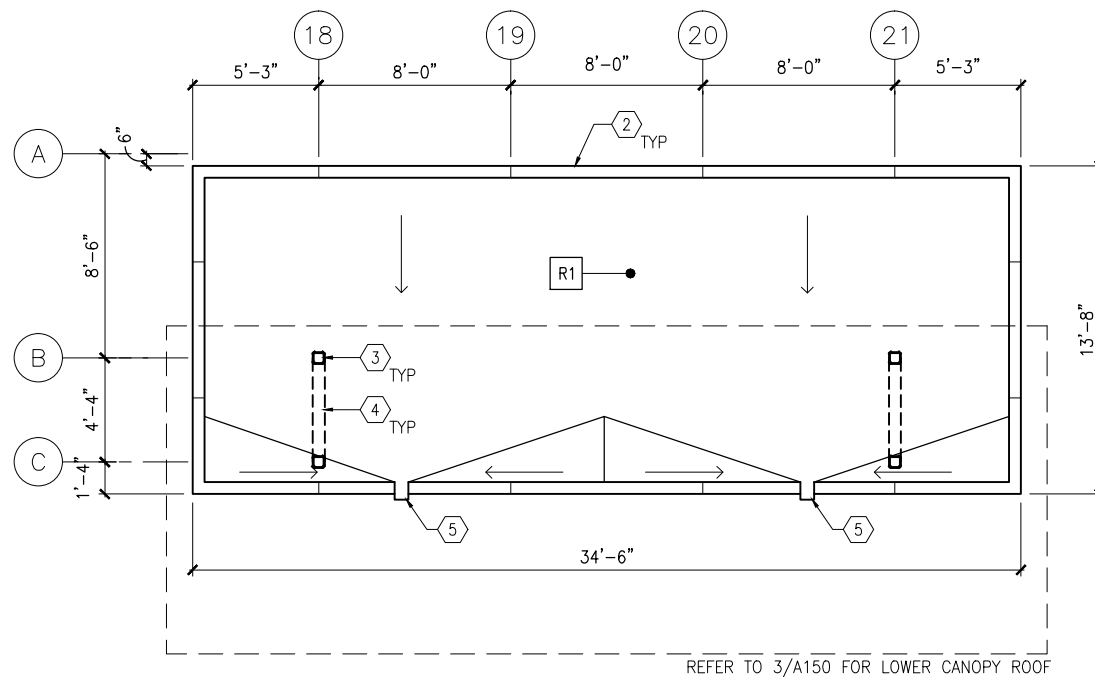
Sep. 21 2015 09:34 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-PLN-151.dwg By: V-IyerN



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 1/8" PER FT UNO

## 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. PRE-FINISHED METAL DOWNSPOUT
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**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
BLAKE STATION  
UPPER ROOF PLANS**

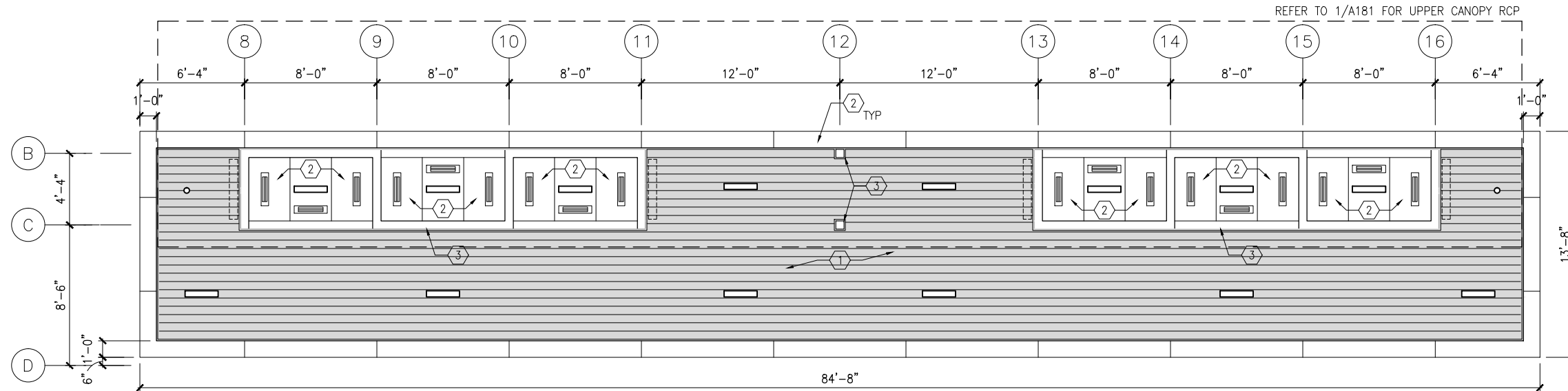
DISCIPLINE: **ARCHITECTURE**

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

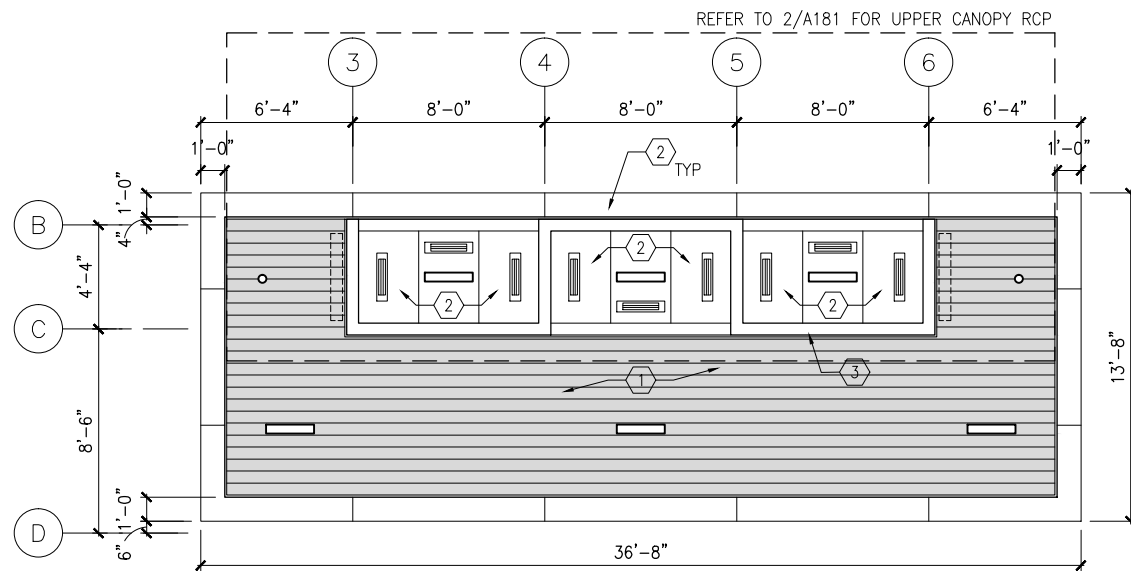
**SHEET  
63  
OF  
319**



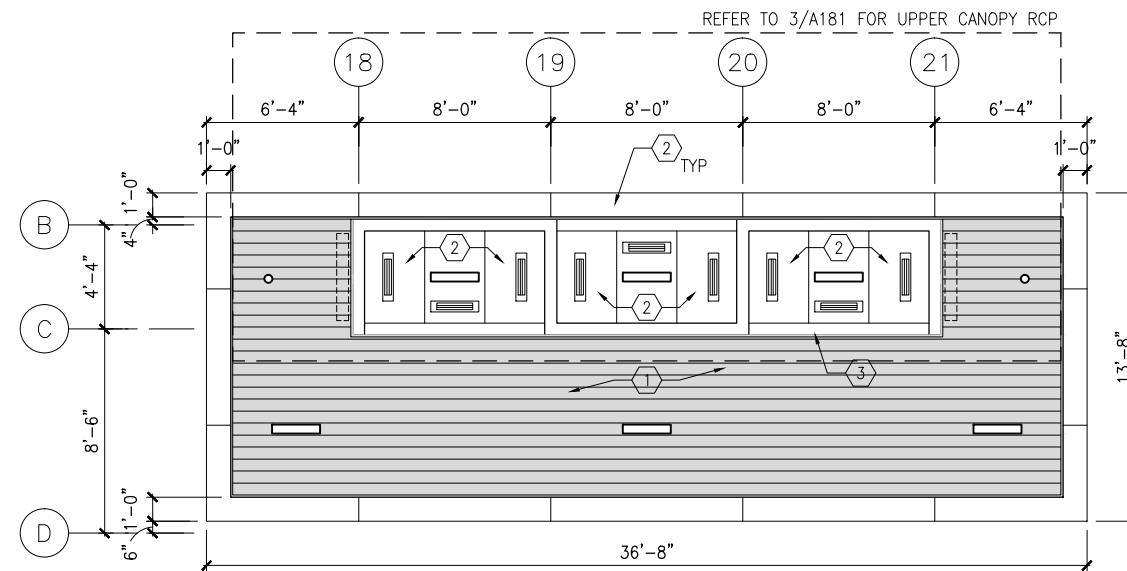
Sep. 21 2015 09:34 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-RCP-180.dwg By: V-IyerN



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

## 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. PRECAST CONCRETE WALKWAY - SEE STRUCTURAL
  5. PRECAST CONCRETE STAIR - SEE STRUCTURAL
  6. EXPOSED STRUCTURE - SEE STRUCTURAL
  7. ACOUSTIC CEILING
  8. HINGED PANELS FOR EQUIPMENT ACCESS

## LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- SPEAKER
- MICROPHONE
- SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- LAY-IN CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
BLAKE STATION  
REFLECTED CEILING PLANS**

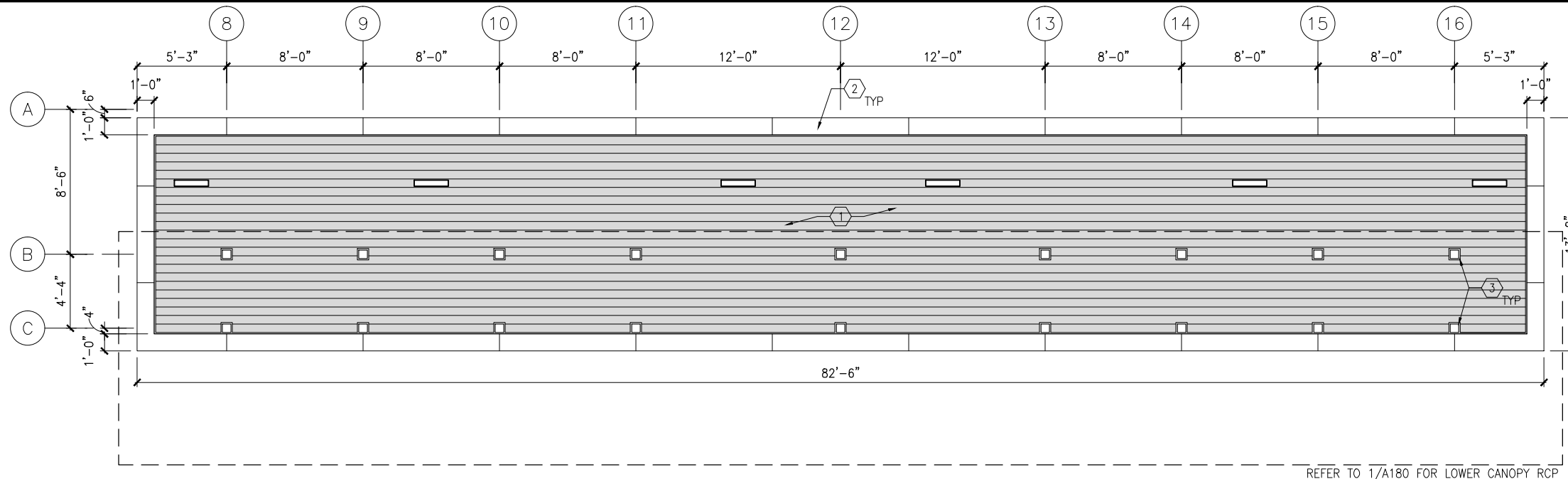
DISCIPLINE:  
**ARCHITECTURE**

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

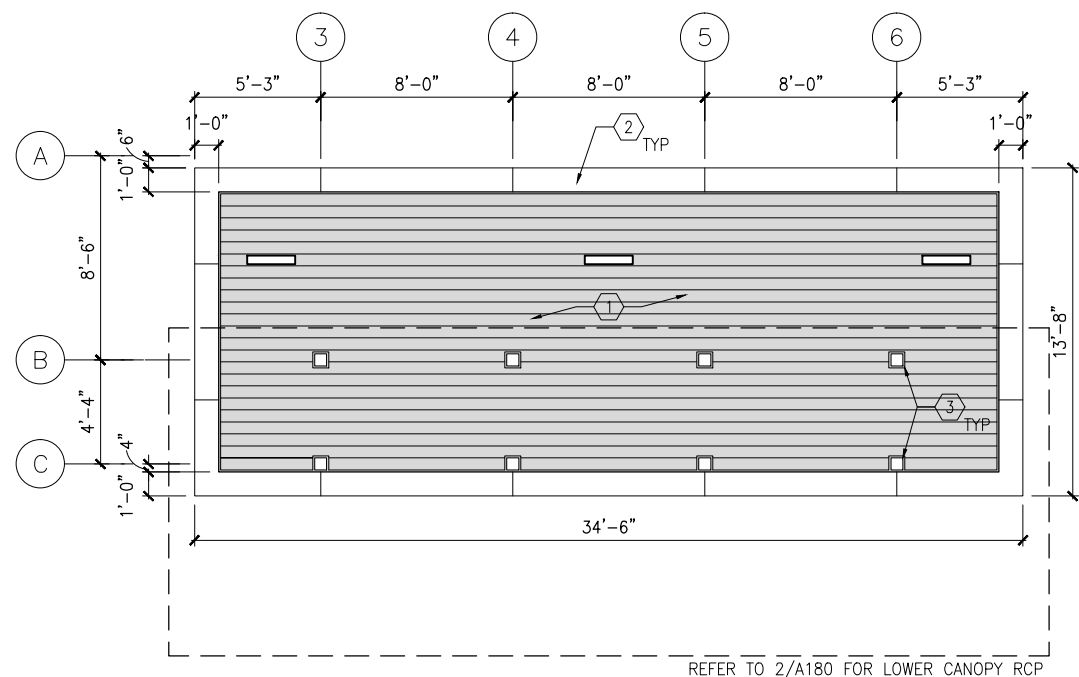
**SHEET  
64  
OF  
319**



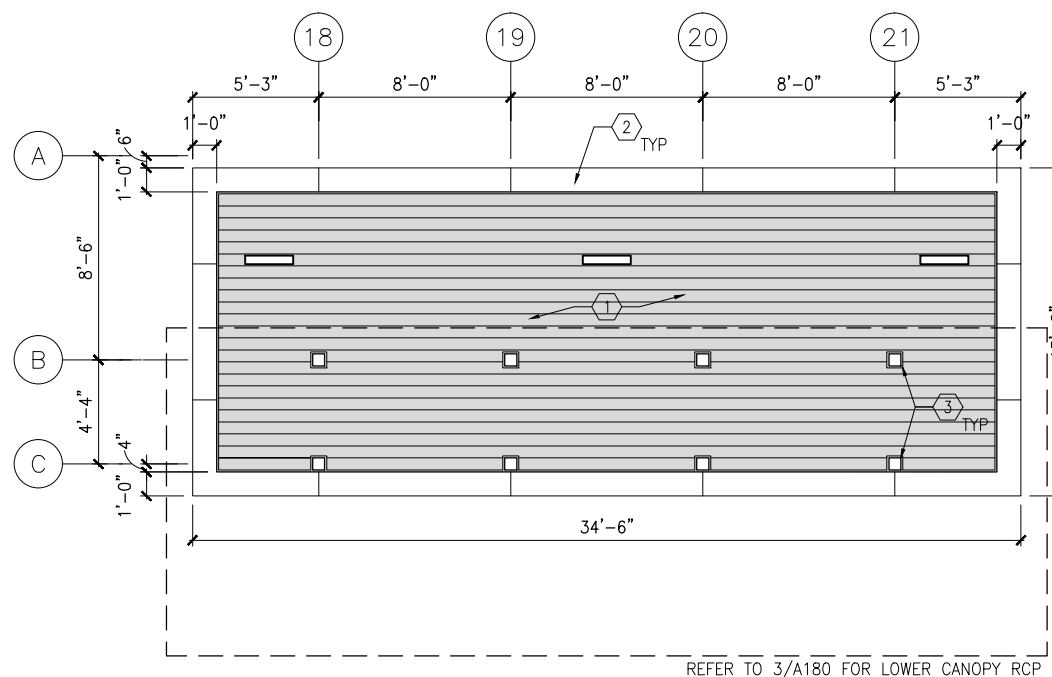
Sep. 21 2015 09:35 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-RCP-181.dwg By: V-IyerN



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

## 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. PRECAST CONCRETE WALKWAY - SEE STRUCTURAL
  5. PRECAST CONCRETE STAIR - SEE STRUCTURAL
  6. EXPOSED STRUCTURE - SEE STRUCTURAL
  7. ACOUSTIC CEILING
  8. HINGED PANELS FOR EQUIPMENT ACCESS

## LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- SPEAKER
- MICROPHONE
- SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- LAY-IN CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**BLAKE STATION**  
**REFLECTED CEILING PLANS**

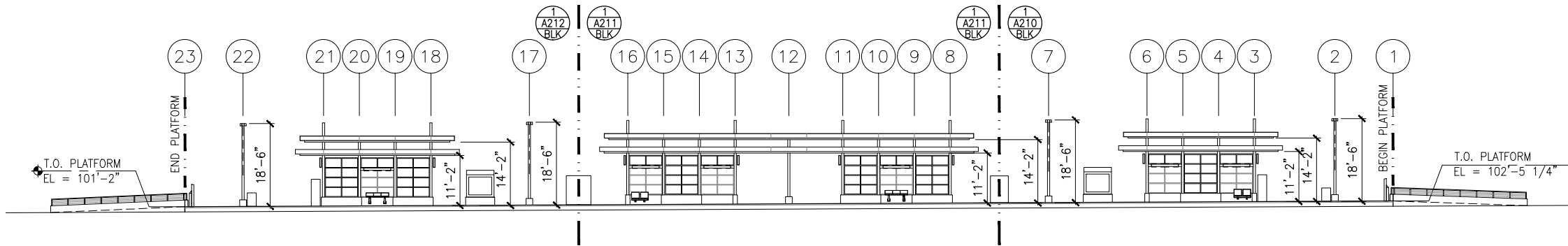
DISCIPLINE: **ARCHITECTURE**

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

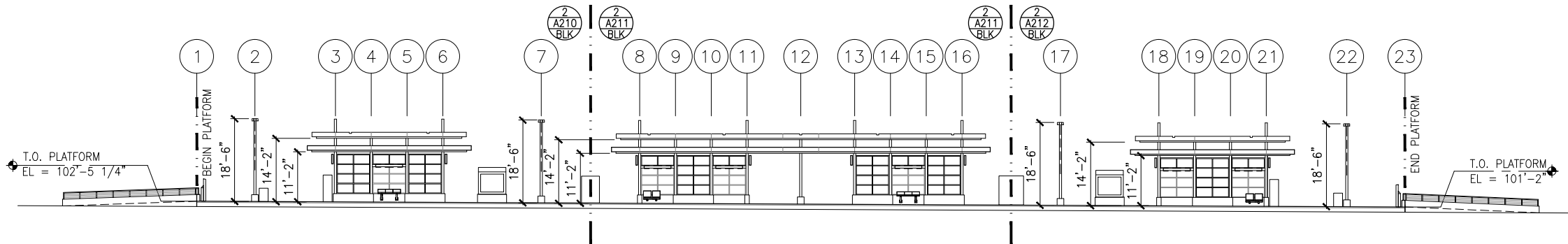
**SHEET**  
**65**  
**OF**  
**319**



Sep. 21 2015 09:35 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-ELV-200.DWG By: V-IyerN



1 TRACK 1 ELEVATION  
SCALE: 1"=30' 0 7.5 15 30 (-0.47% SLOPE)\*  
SCALE



2 TRACK 2 ELEVATION  
SCALE: 1"=30' 0 7.5 15 30 (-0.47% SLOPE)\*  
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

\*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**



60% SUBMISSION - 09/28/15

**CIVIL EAST - VOLUME 11A  
BLAKE STATION  
ELEVATIONS**

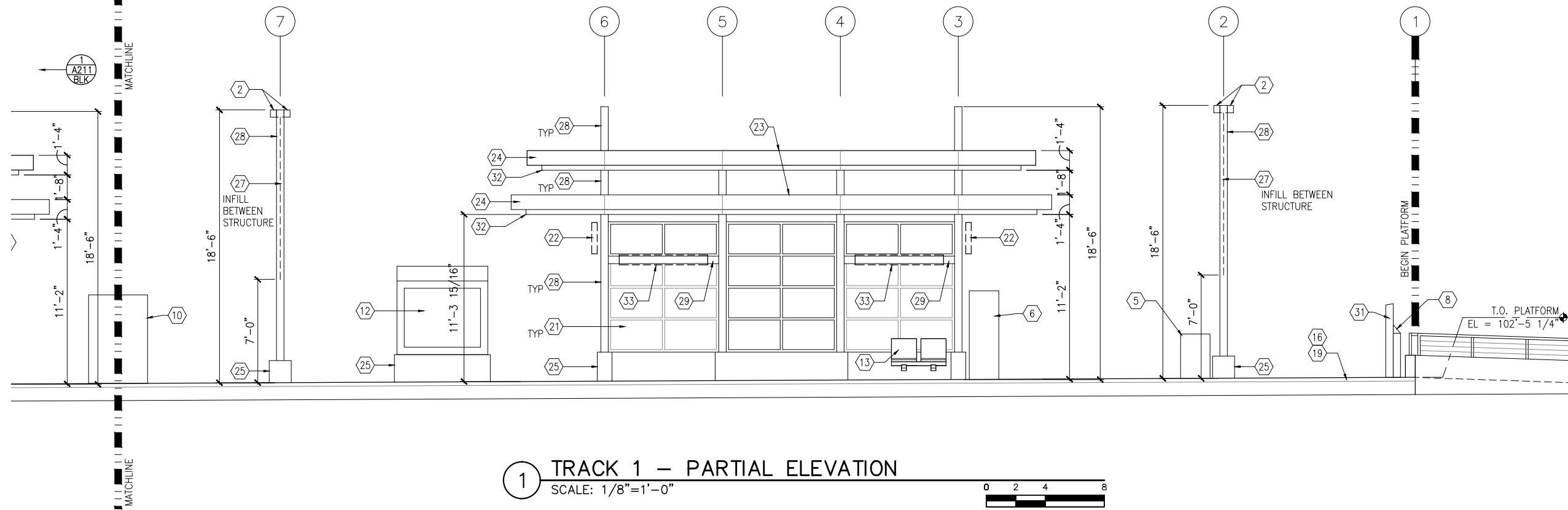
DISCIPLINE:  
**ARCHITECTURE**

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

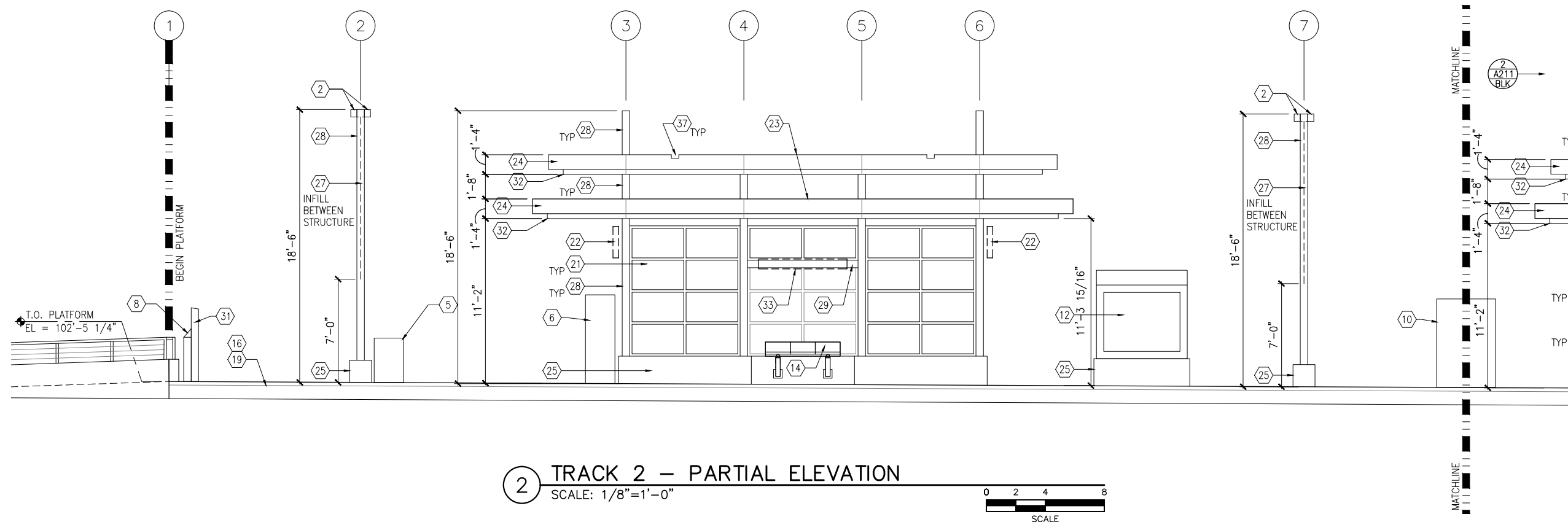
**SHEET  
66  
OF  
319**



Sep. 21 2015 09:36 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-ELV-210.dwg By: V-Iyer/N



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



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



## 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

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
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
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 - SEE STRUCT
36. PRE-FINISHED METAL DOWNSPOUT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. RAIN WATER LEADER - SEE PLUMBING
41. NOT USED
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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**BLAKE STATION**  
**WEST PARTIAL ELEVATIONS**

DISCIPLINE:  
**ARCHITECTURE**

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

**SHEET**

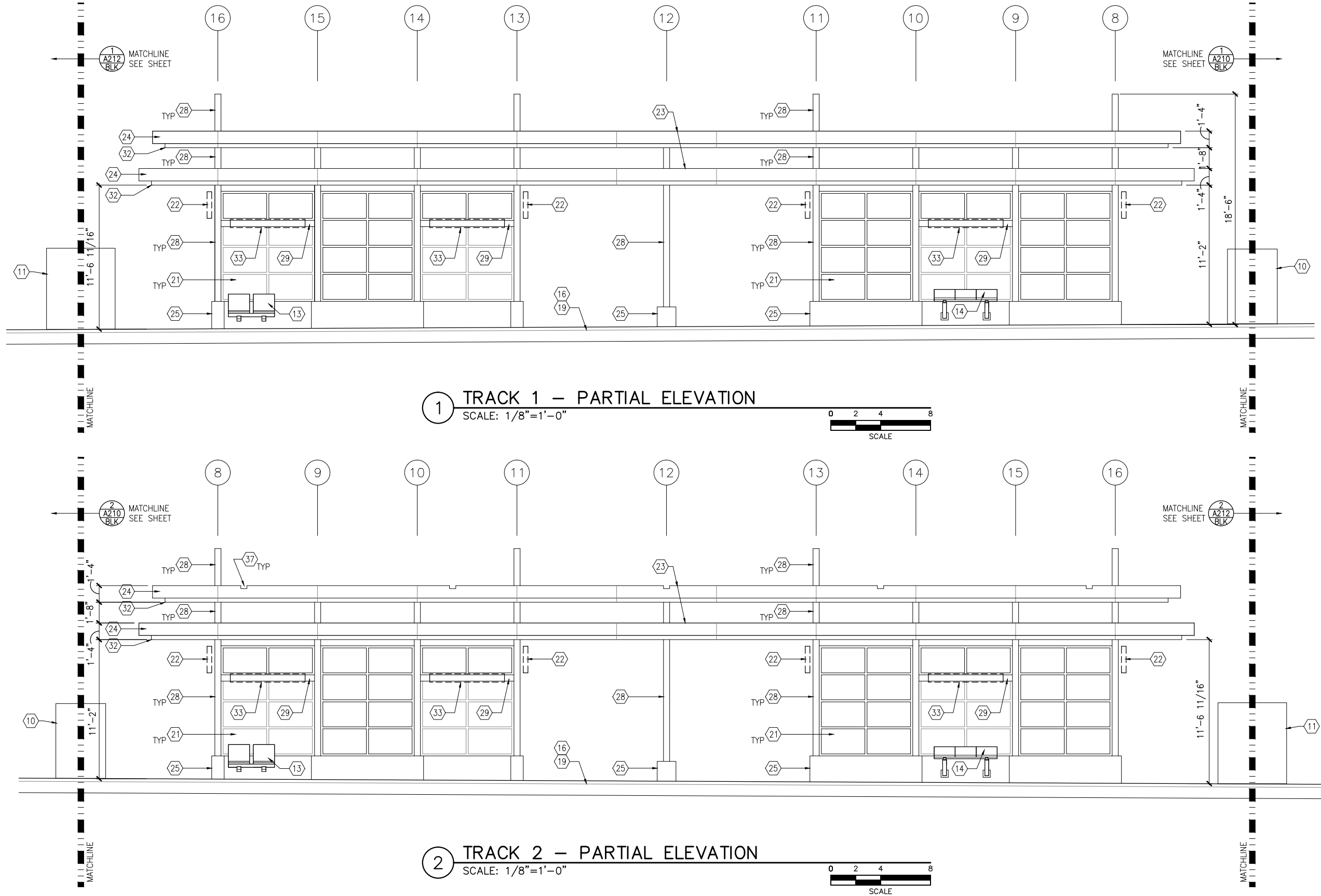
**67**

**OF**

**319**



Sep. 21 2015 09:36 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-ELV-211.dwg By: V-IyerN



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

KEY NOTES – #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER

2. LIGHT MOUNTED TO STRUCTURE

3. ACCESS RAMP

4. HAND RAIL

5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE

6. TICKET VENDING MACHINE

7. FUTURE TICKET VENDING MACHINE

8. STORED VALUE VALIDATOR

9. EMERGENCY CALL BOX

10. COMMUNICATION CABINET

11. ELECTRICAL CABINET

12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING

13. BENCH

14. LEANING RAIL

15. OVERHEAD CONTACT SYSTEM

16. CONCRETE PLATFORM

17. CANOPY ABOVE

18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS

19. DETECTABLE WARNING AT BOARDING EDGE

20. GUARD RAIL AND SAFETY SCREEN

21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM

22. VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)

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

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 – SEE STRUCT

36. PRE-FINISHED METAL DOWNSPOUT

37. PRE-FIN. METAL SCUPPER

38. PRE-FINISHED LOUVER

39. LOUVER WITH MOTORIZED DAMPER

40. RAIN WATER LEADER – SEE PLUMBING

41. NOT USED

42. SECONDARY STEEL FRAMING – SEE STRUCTURAL

43. DOOR – SEE DOOR SCHEDULE

44. PC CONC WALKWAY – SEE STRUCT

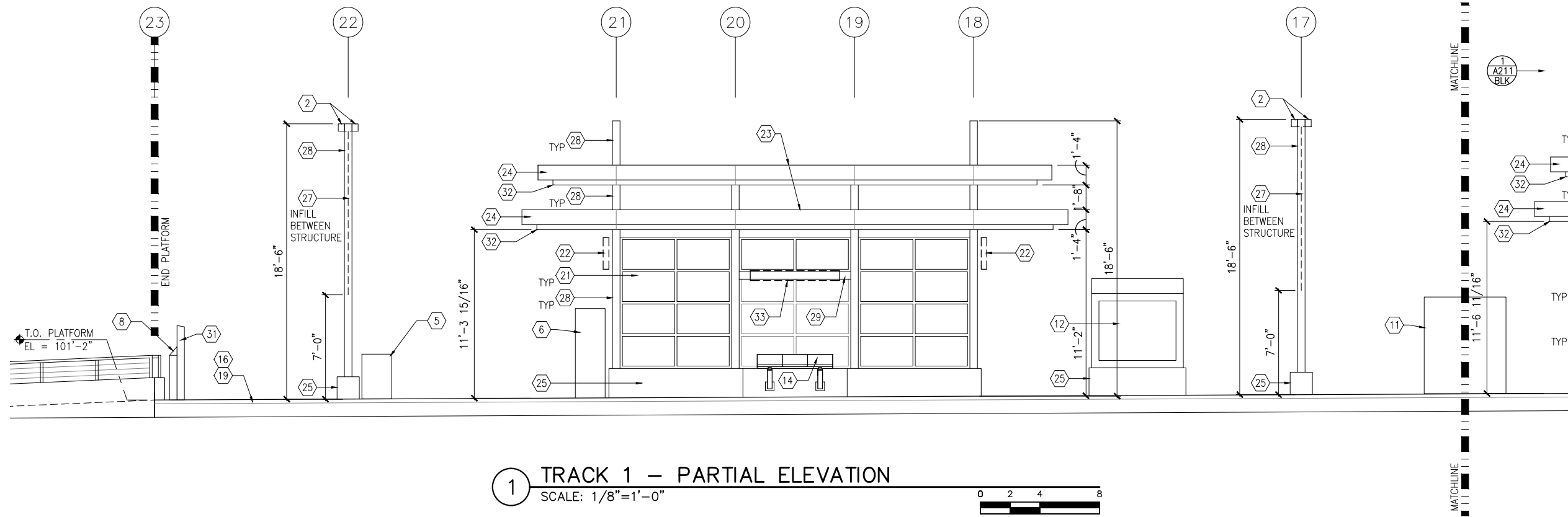
45. PC CONC STAIR – SEE STRUCT

46. PRE-FINISHED METAL GUTTER

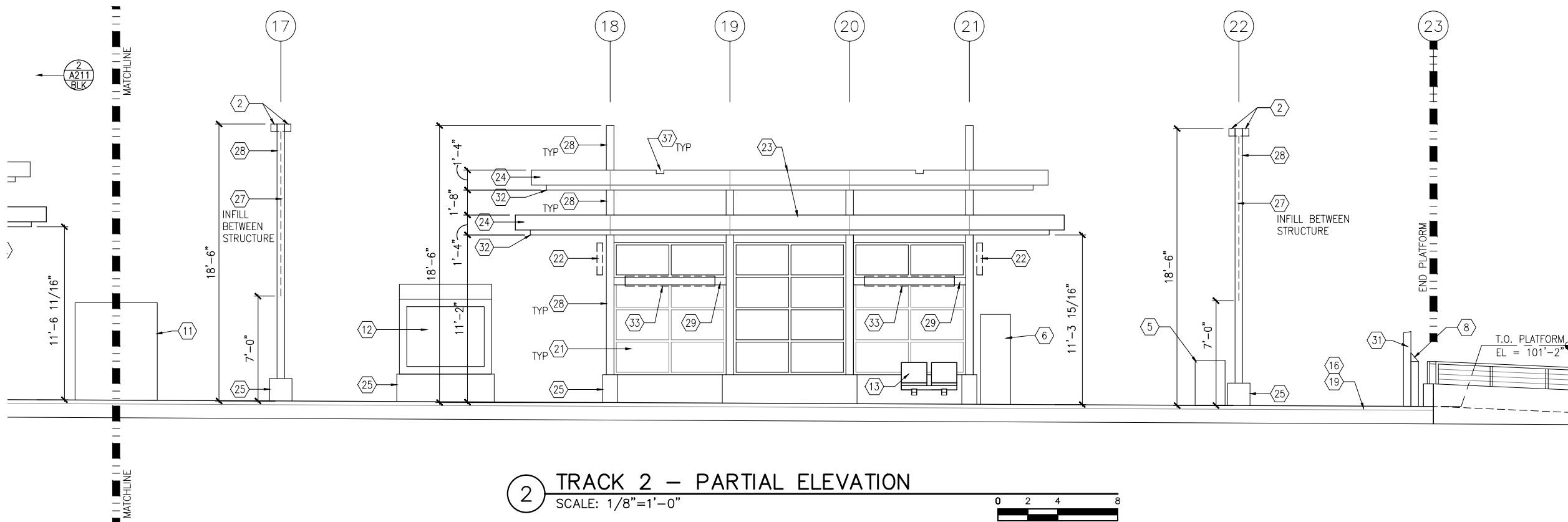
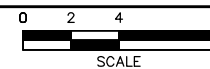
NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL	<div>AECOM</div> <div>60% SUBMISSION - 09/28/15</div>		<div><div><div></div><div>METROPOLITAN C O U N C I L</div></div><div><div>SOUTHWEST</div><div>Green Line LRT Extension</div><div></div></div></div>		CIVIL EAST - VOLUME 11A BLAKE STATION MIDDLE PARTIAL ELEVATIONS		SHEET 68 OF 319
										DISCIPLINE: ARCHITECTURE	SHEET NAME: E1-BLK-ARC-ELV-211	



Sep. 21 2015 09:36 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-ELV-212.dwg By: V-Iyer/N



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



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



## GENERAL SHEET NOTES

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

- ENTRY MARKER
- LIGHT MOUNTED TO STRUCTURE
- ACCESS RAMP
- HAND RAIL
- TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
- TICKET VENDING MACHINE
- FUTURE TICKET VENDING MACHINE
- STORED VALUE VALIDATOR
- EMERGENCY CALL BOX
- COMMUNICATION CABINET
- ELECTRICAL CABINET
- INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
- BENCH
- LEANING RAIL
- OVERHEAD CONTACT SYSTEM
- CONCRETE PLATFORM
- CANOPY ABOVE
- SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
- DETECTABLE WARNING AT BOARDING EDGE
- GUARD RAIL AND SAFETY SCREEN
- ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- ROOFING - REFER TO ROOF PLAN FOR ROOFING TYPE
- ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
- CONCRETE WALL
- TRANSLUCENT PLASTIC PANEL
- ARCHITECTURAL WOVEN MESH
- STEEL COLUMN - SEE STRUCTURAL
- STEEL BEAM - SEE STRUCTURAL
- WALL HYDRANT
- RIDER ALERT PANEL
- EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
- STATION SIGNAGE
- LIGHTNING ROD - SEE ELECTRICAL
- PC CONC WALL PANEL - SEE STRUCT
- PRE-FINISHED METAL DOWNSPOUT
- PRE-FIN. METAL SCUPPER
- PRE-FINISHED LOUVER
- LOUVER WITH MOTORIZED DAMPER
- RAIN WATER LEADER - SEE PLUMBING
- NOT USED
- SECONDARY STEEL FRAMING - SEE STRUCTURAL
- DOOR - SEE DOOR SCHEDULE
- PC CONC WALKWAY - SEE STRUCT
- PC CONC STAIR - SEE STRUCT
- PRE-FINISHED METAL GUTTER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
BLAKE STATION  
EAST PARTIAL ELEVATIONS**

DISCIPLINE:  
**ARCHITECTURE**

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

**SHEET**

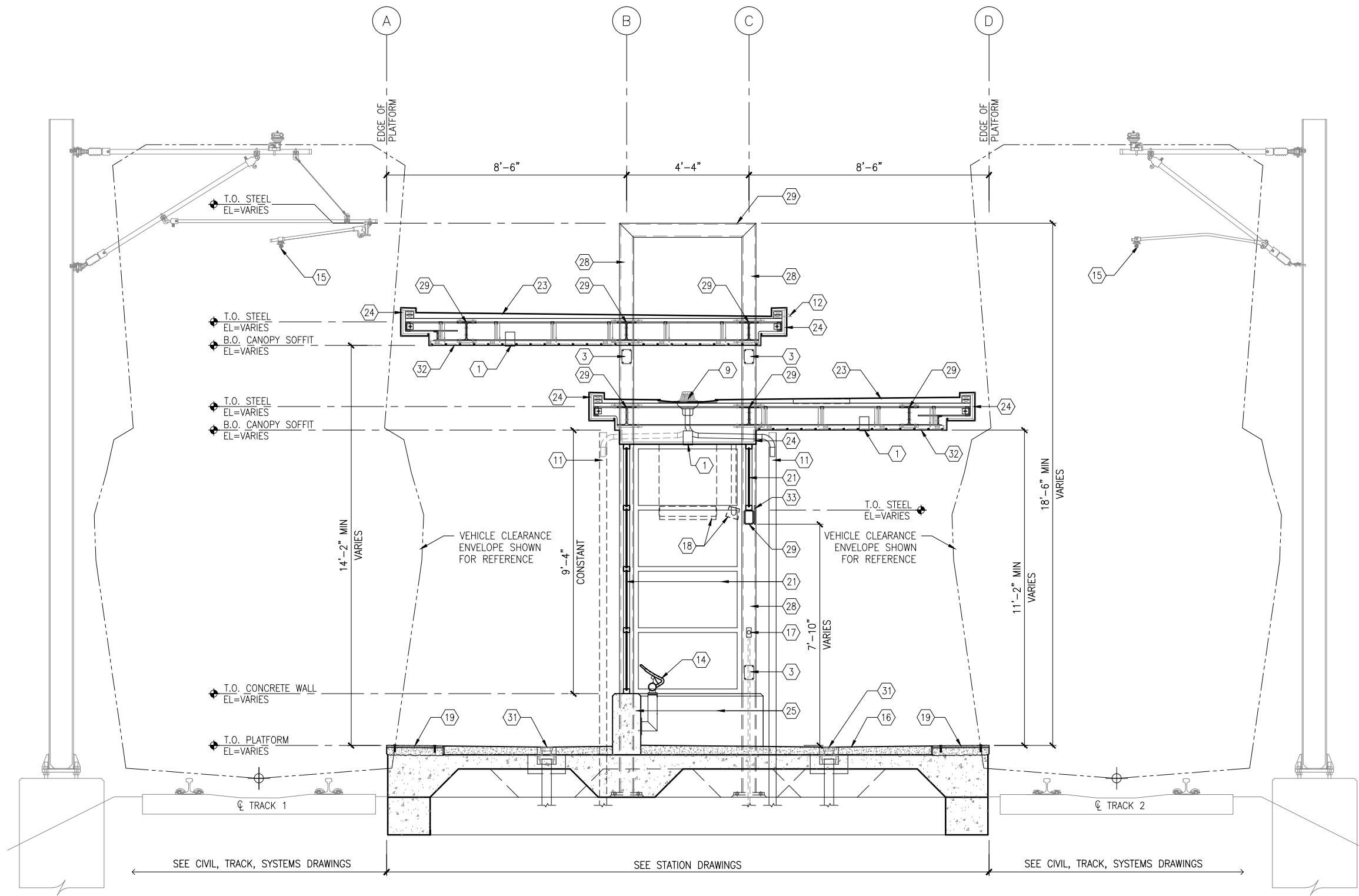
**69**

**OF**

**319**



Sep. 21 2015 09:37 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ARCH\BLAKE STATION\E1-BLK-ARC-SCT-300.dwg By: V-IyerN



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



## 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

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT
2. LIGHT MOUNTED TO STRUCTURE
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA
6. TICKET VENDING MACHINE
7. EMERGENCY TELEPHONE LIGHT
8. EMERGENCY CALL BOX
9. ROOF DRAIN
10. PRE-FINISHED METAL GUTTER
11. PRE-FINISHED METAL DOWNSPOUT
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. HEATER PUSH BUTTON CONTROLS
18. INFRARED HEATER
19. DETECTABLE WARNING PAVER AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
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
31. AREA DRAIN
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

## LEGEND

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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**BLAKE STATION**  
**TYPICAL PLATFORM SECTION**

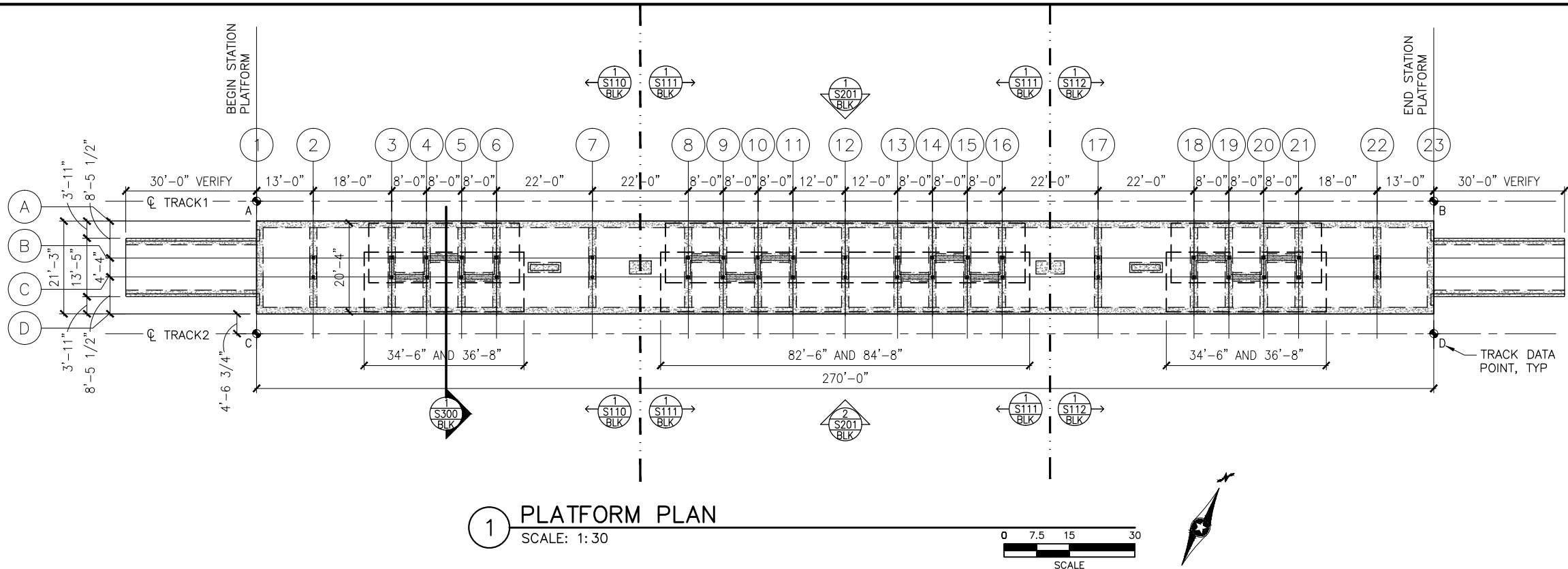
DISCIPLINE:  
**ARCHITECTURE**

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

**SHEET**  
**70**  
**OF**  
**319**



Sep. 21 2015 08:41 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Blake\CAD\STR\E1-BLK-STR-PLN-101.dwg By: pepins



TRACK DATA

ELEV 100'-0" (LOCATION ON PLAN)

TRACK 1 EL 100'-0"=

xxx.xx (PT 'A')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING	
A	xxx.xx	xxxx+xx.xx	
B	xxx.xx	xxxx+xx.xx	

TRACK 2 EL 100'-0"=

xxx.xx (PT 'C')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING	
C	xxx.xx	xxxx+xx.xx	
D	xxx.xx	xxxx+xx.xx	

T.O. PLATFORM

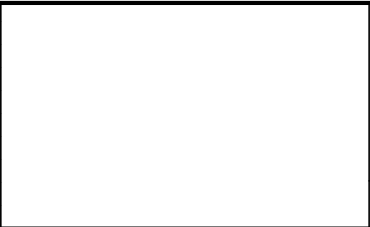
T.O. PLATFORM

T.O. RAIL

(A,B,C,D)

SECTION DIAGRAM AT PLATFORM EDGE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



AECOM

60% SUBMISSION - 9/28/15

METROPOLITAN

C O U N C I L

SOUTHWEST

Green Line LRT Extension

CIVIL EAST - VOLUME 11A

BLAKE STATION

PLATFORM PLAN

DISCIPLINE:

STRUCTURES

SHEET NAME:

E1-BLK-STR-PLN-101

SHEET

71

OF

319



[illegible]**AECOM**

**METROPOLITAN**  
COUNCIL

## SOUTHWEST

### Green Line LRT Extension

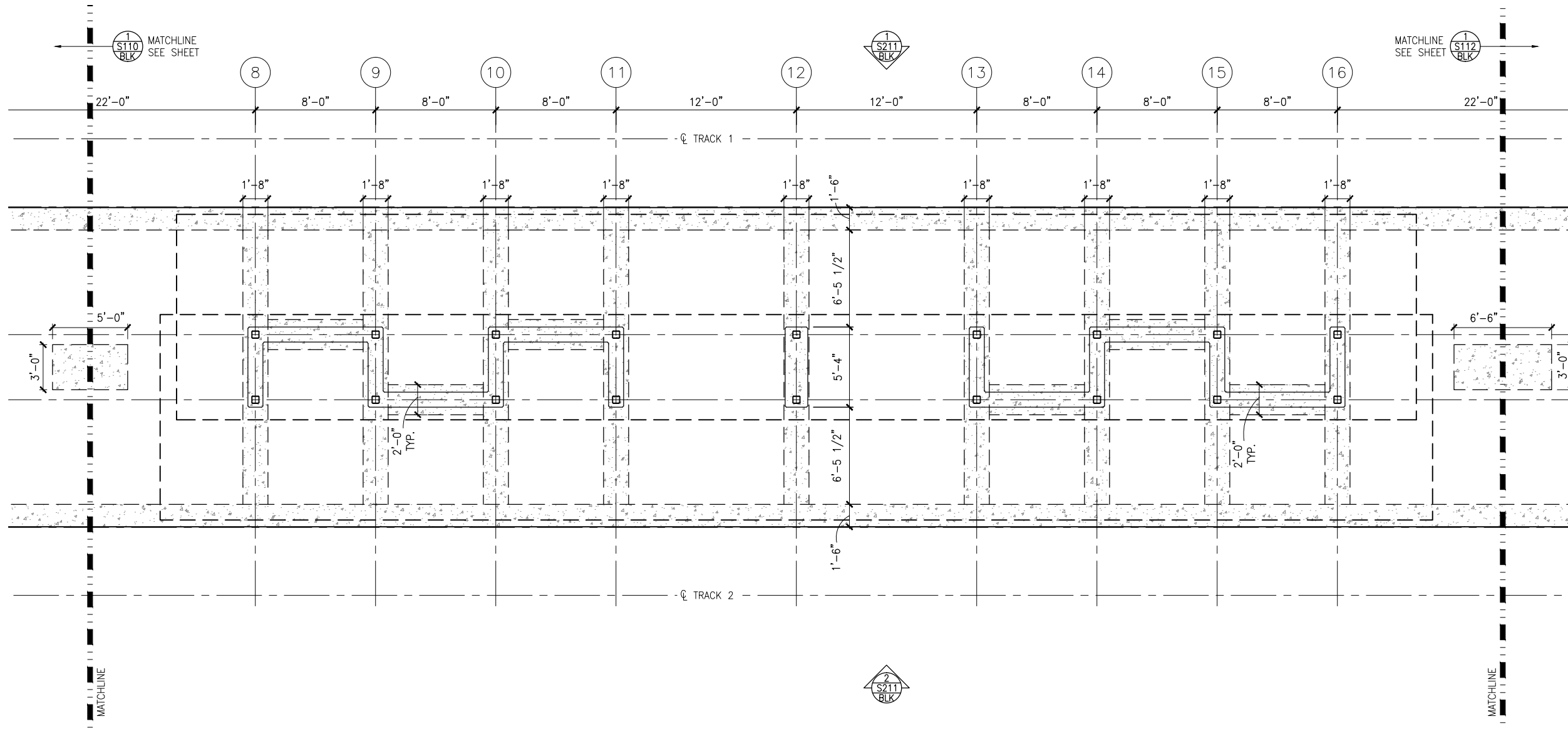
**CIVIL EAST - VOLUME 11A  
BLAKE STATION  
WEST PARTIAL FOUNDATION PLAN**

DISCIPLINE: **STRUCTURES**

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

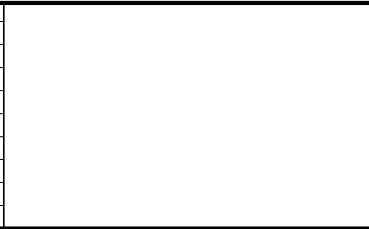


Sep. 21 2015 08:42 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Blake\STR\E1-BLK-STR-PLN-111.dwg By: pepins



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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



**AECOM**

60% SUBMISSION - 9/28/15



**CIVIL EAST - VOLUME 11A**  
**BLAKE STATION**  
**MIDDLE PARTIAL FOUNDATION PLAN**

DISCIPLINE: **STRUCTURES** SHEET NAME: **E1-BLK-STR-PLN-111**



[illegible]**AECOM**

60% SUBMISSION - 9/28/15



## SOUTHWEST

**CIVIL EAST - VOLUME 11A**  
**BLAKE STATION**  
**EAST PARTIAL FOUNDATION PLAN**

DISCIPLINE:

## STRUCTURES

SHEET NAME:
-------------

E1-BLK-STR-PLN-112

SHEET

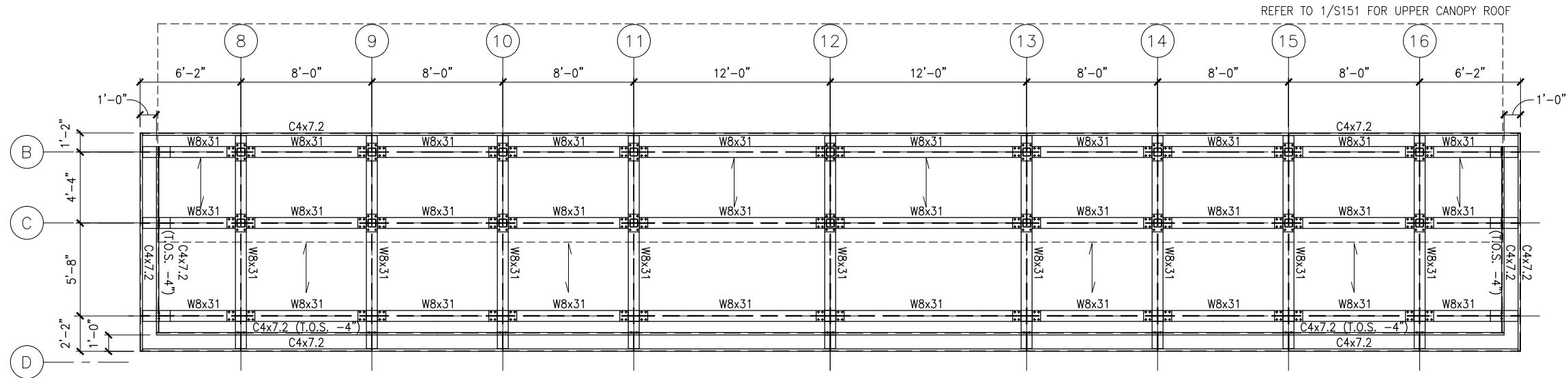
74

DF

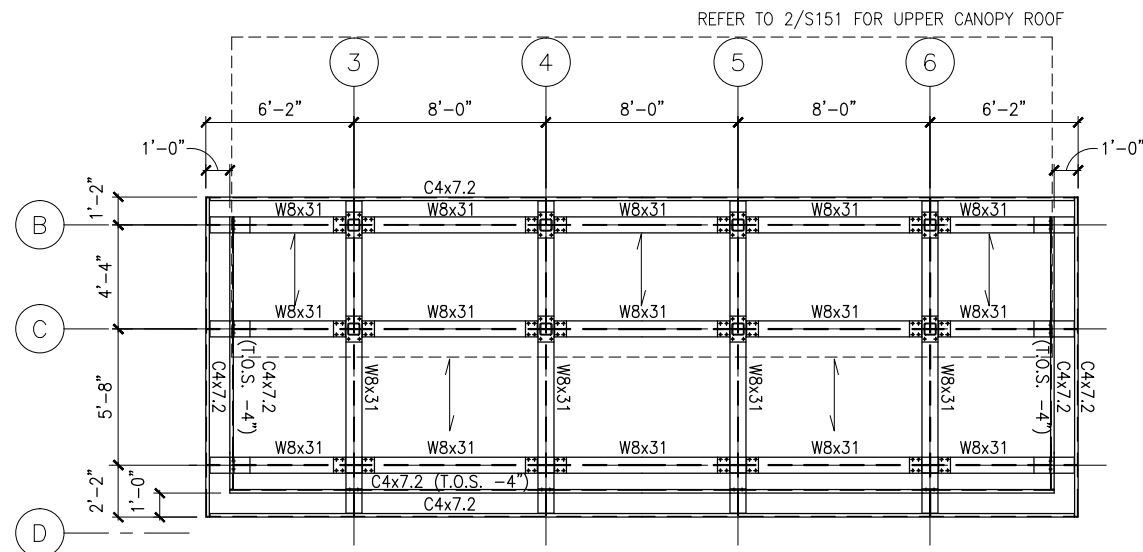
19



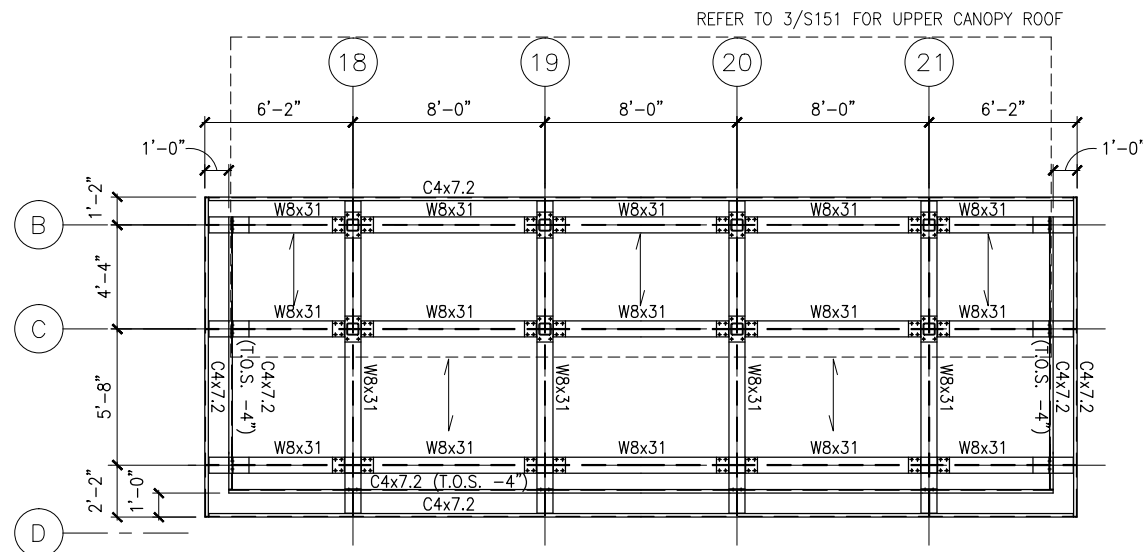
Sep. 21 2015 08:43 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Blake\STR\E1-BLK-STR-PLN-150.dwg By: pepins



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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

60% SUBMISSION - 9/28/15



CIVIL EAST - VOLUME 11A  
BLAKE STATION  
LOWER ROOF FRAMING PLANS

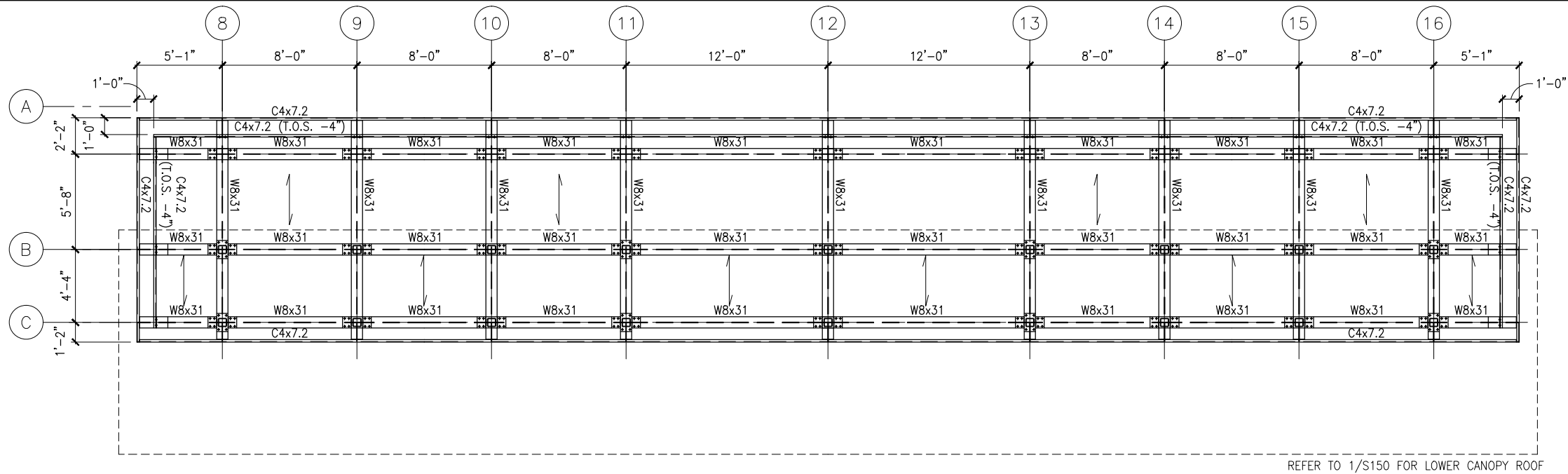
DISCIPLINE:  
STRUCTURES

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

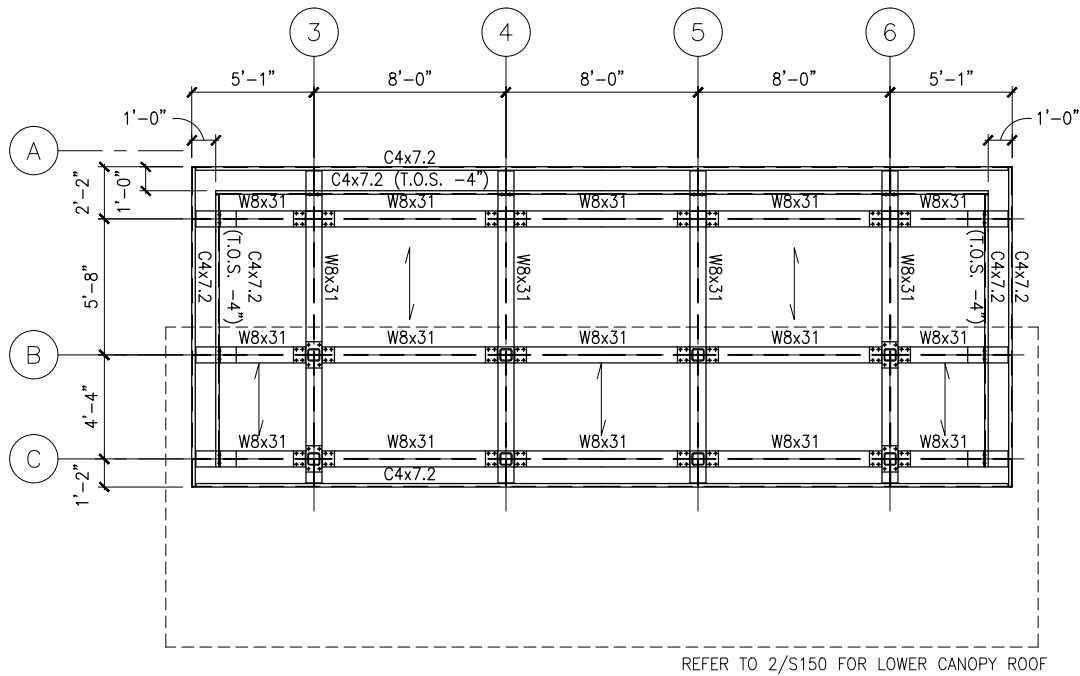
SHEET  
75  
OF  
319



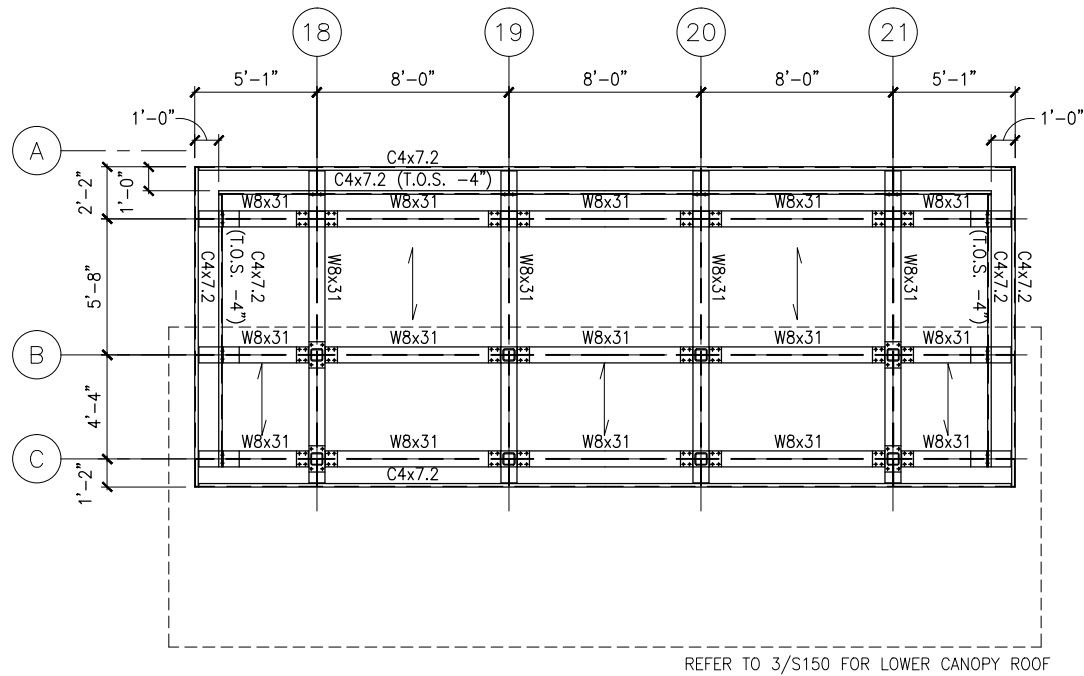
Sep. 21 2015 08:44 am k:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Blake\STR\E1-BLK-STR-PLN-151.dwg By: pepins



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



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



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

60% SUBMISSION - 9/28/15



CIVIL EAST - VOLUME 11A  
BLAKE STATION  
UPPER ROOF FRAMING PLANS

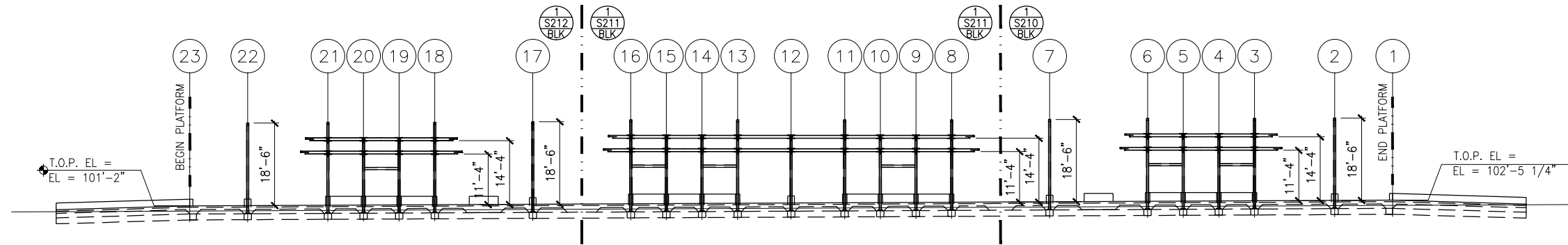
DISCIPLINE:  
STRUCTURES

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

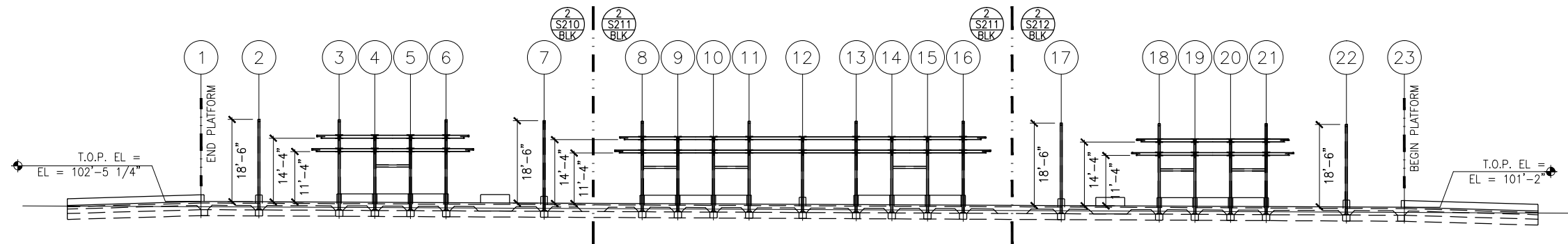
SHEET  
76  
OF  
319



Sep. 21 2015 08:44 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Blake\CAD\STR\E1-BLK-STR-ELV-201.dwg By: pepins



1 TRACK 1 ELEVATION - FRAMING  
SCALE: 1:30  
0 7.5 15 30  
SCALE  
(-0.47% SLOPE)\*



2 TRACK 2 ELEVATION - FRAMING  
SCALE: 1:30  
0 7.5 15 30  
SCALE  
(-0.47% SLOPE)\*

\*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15

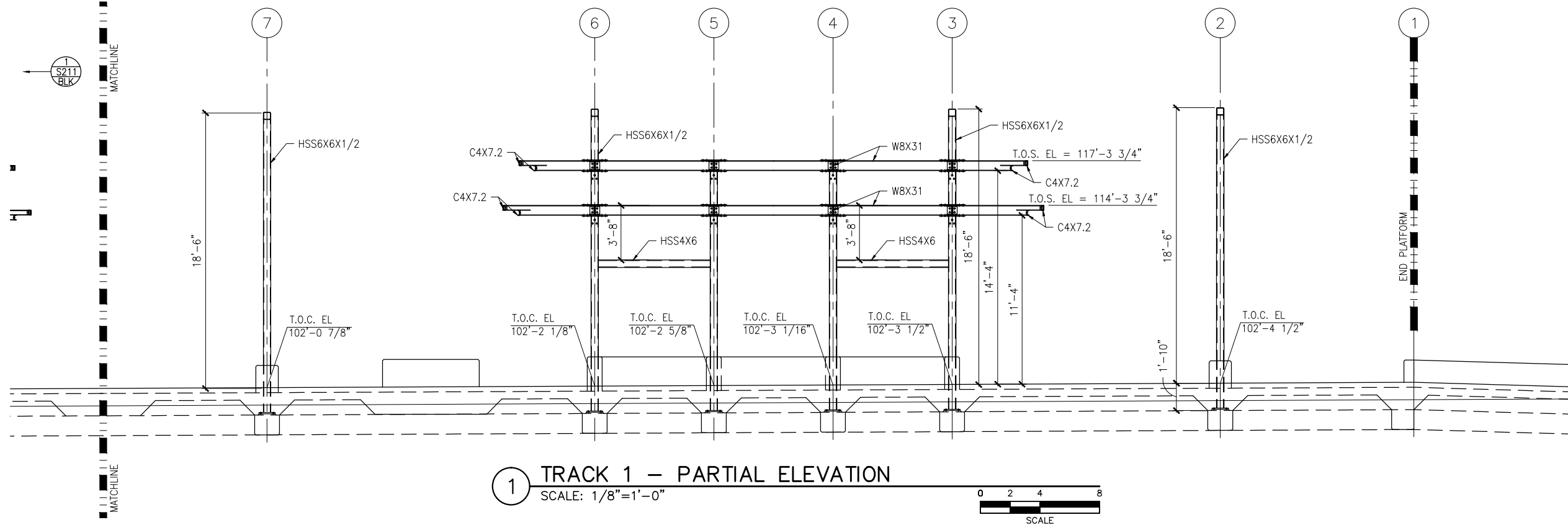
CIVIL EAST - VOLUME 11A  
BLAKE STATION  
ELEVATIONS -- FRAMING

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

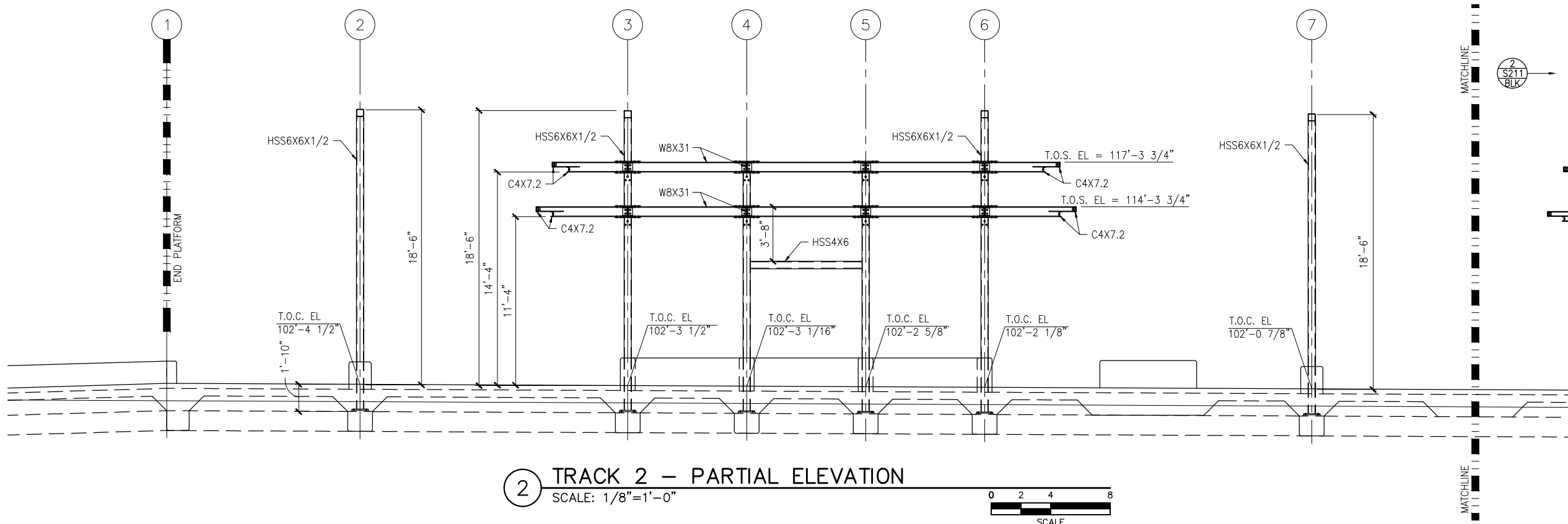
SHEET  
77  
OF  
319



Sep. 21 2015 08:45 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Blake\CAD\STR\E1-BLK-STR-ELV-210.dwg By: pepins



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



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 9/28/15



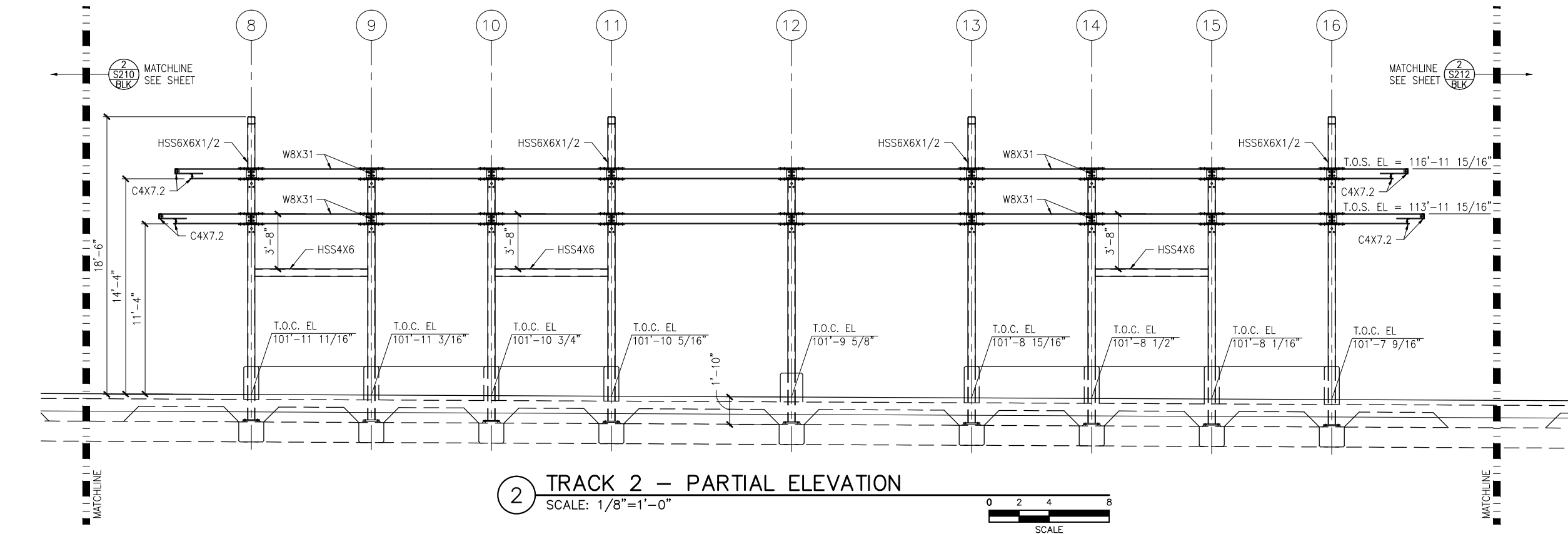
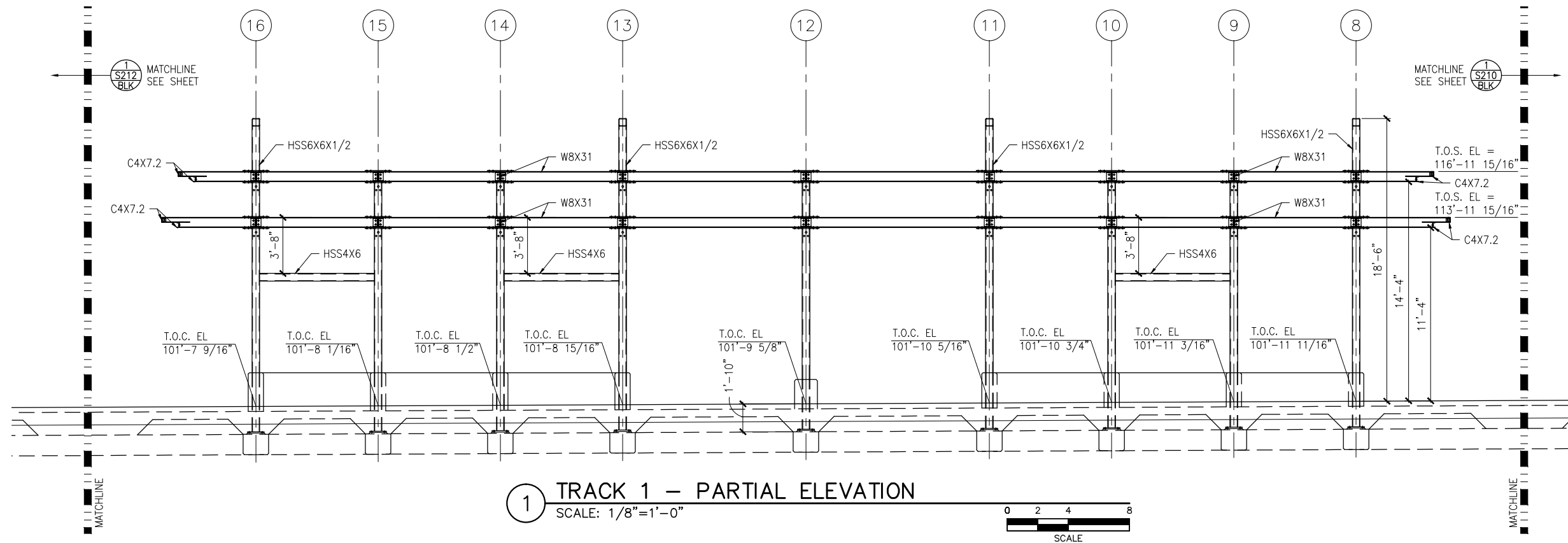
**CIVIL EAST - VOLUME 11A  
BLAKE STATION  
WEST PARTIAL ELEVATIONS -- FRAMING**

DISCIPLINE: **STRUCTURES** SHEET NAME: **E1-BLK-STR-ELV-210**

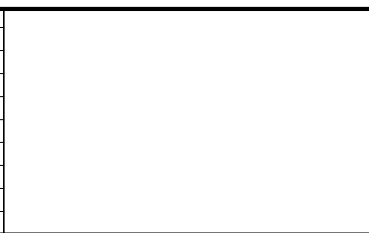
**SHEET**  
78  
OF  
319



Sep. 21 2015 08:45 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Blake\STR\E1-BLK-STR-ELV-211.dwg By: pepins



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15



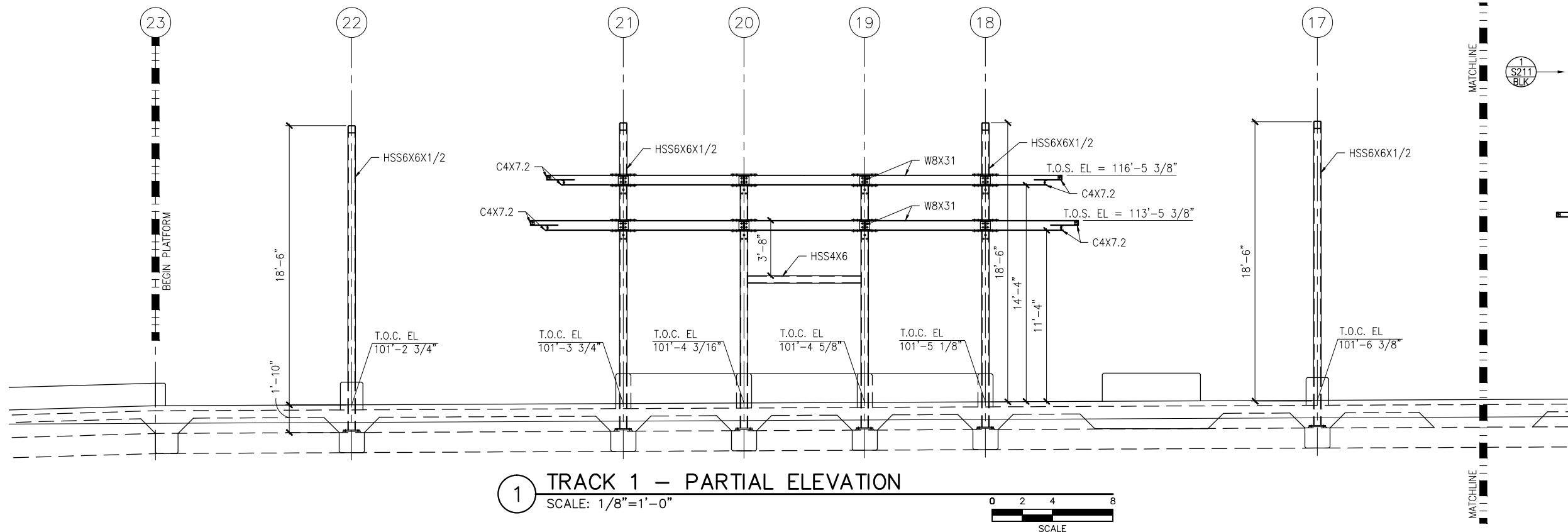
CIVIL EAST - VOLUME 11A  
BLAKE STATION  
MIDDLE PARTIAL ELEVATIONS -- FRAMING

DISCIPLINE: STRUCTURES  
SHEET NAME: E1-BLK-STR-ELV-211

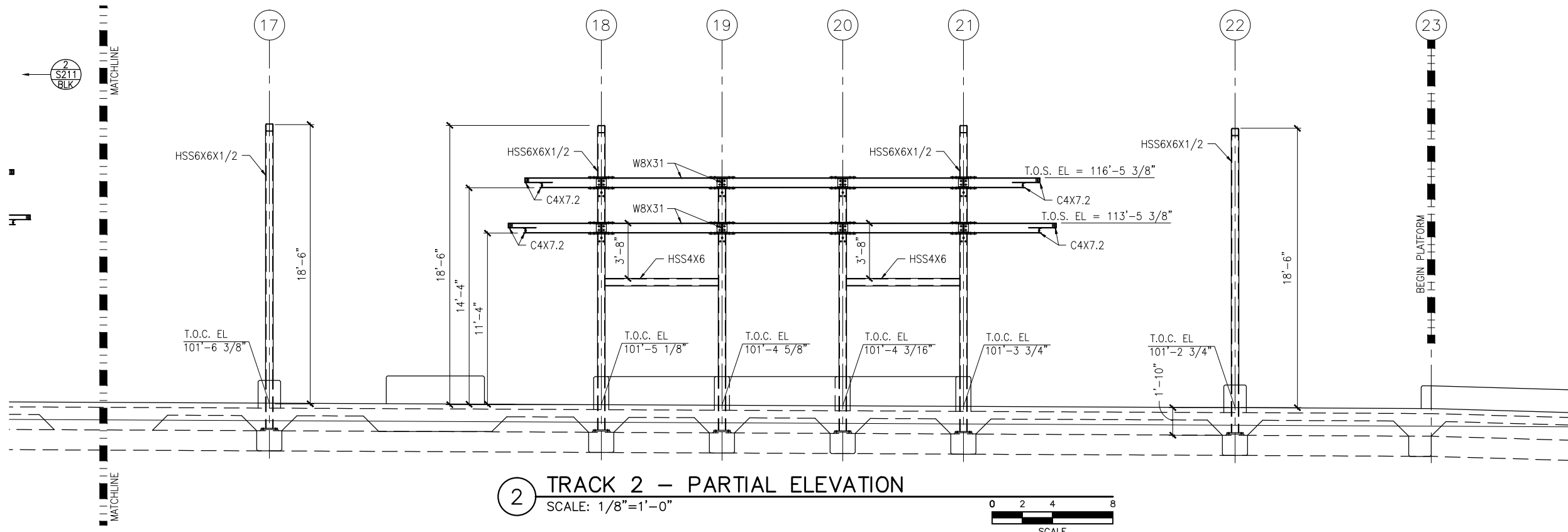
SHEET  
79  
OF  
319



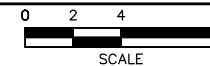
Sep. 21 2015 08:46 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Blake\STR\E1-BLK-STR-ELV-212.dwg By: pepins



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



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 9/28/15



**CIVIL EAST - VOLUME 11A**  
**BLAKE STATION**  
**EAST PARTIAL ELEVATIONS -- FRAMING**

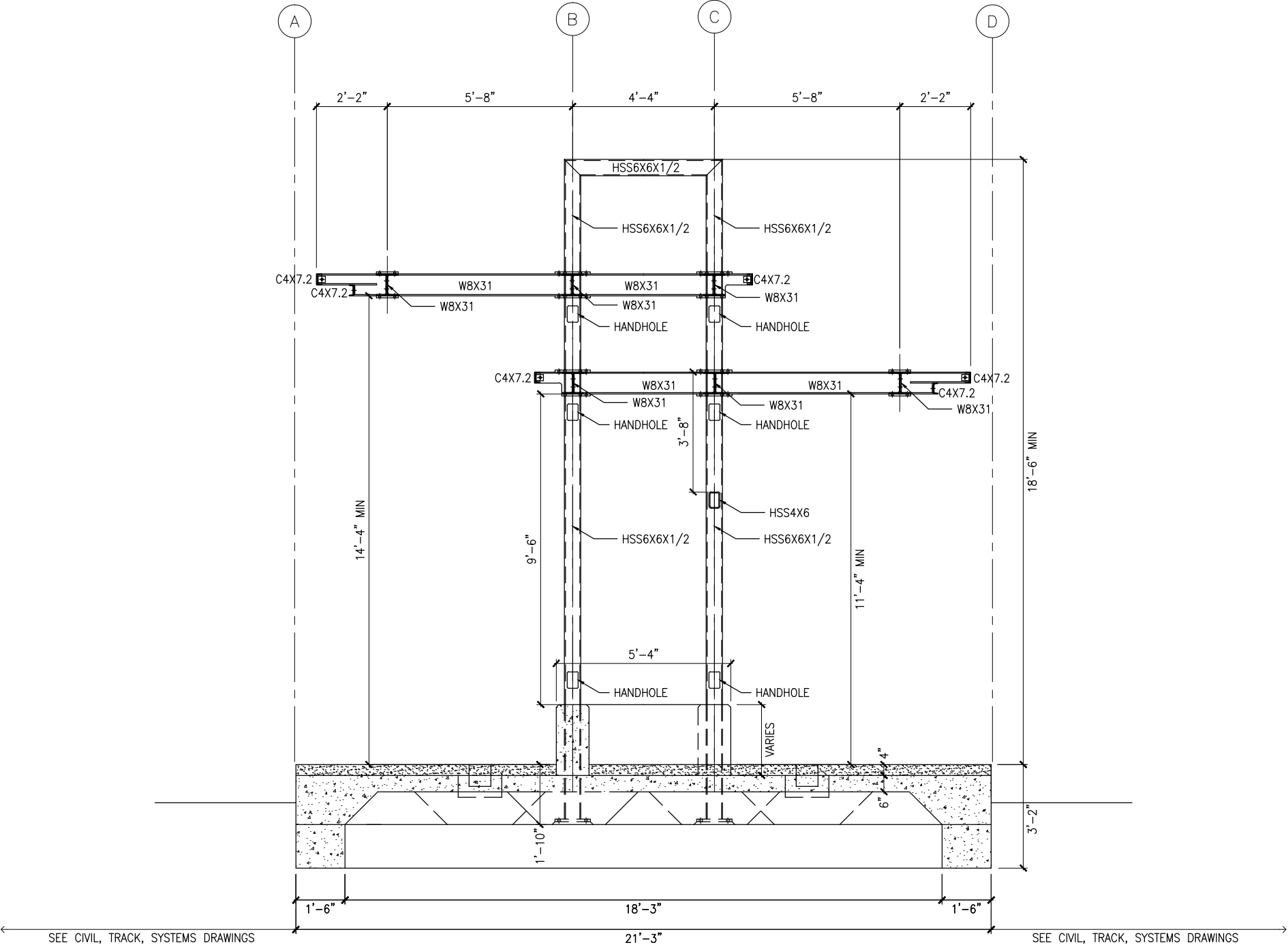
DISCIPLINE:  
**STRUCTURES**

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

**SHEET**  
**80**  
**OF**  
**319**



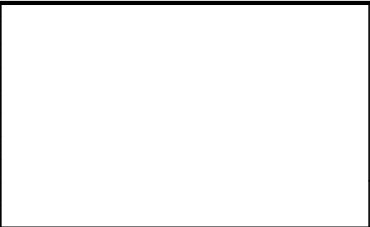
Sep. 21 2015 08:46 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Blake\STR\E1-BLK-STR-SCT-300.dwg By: pepins



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



**AECOM**

60% SUBMISSION - 9/28/15



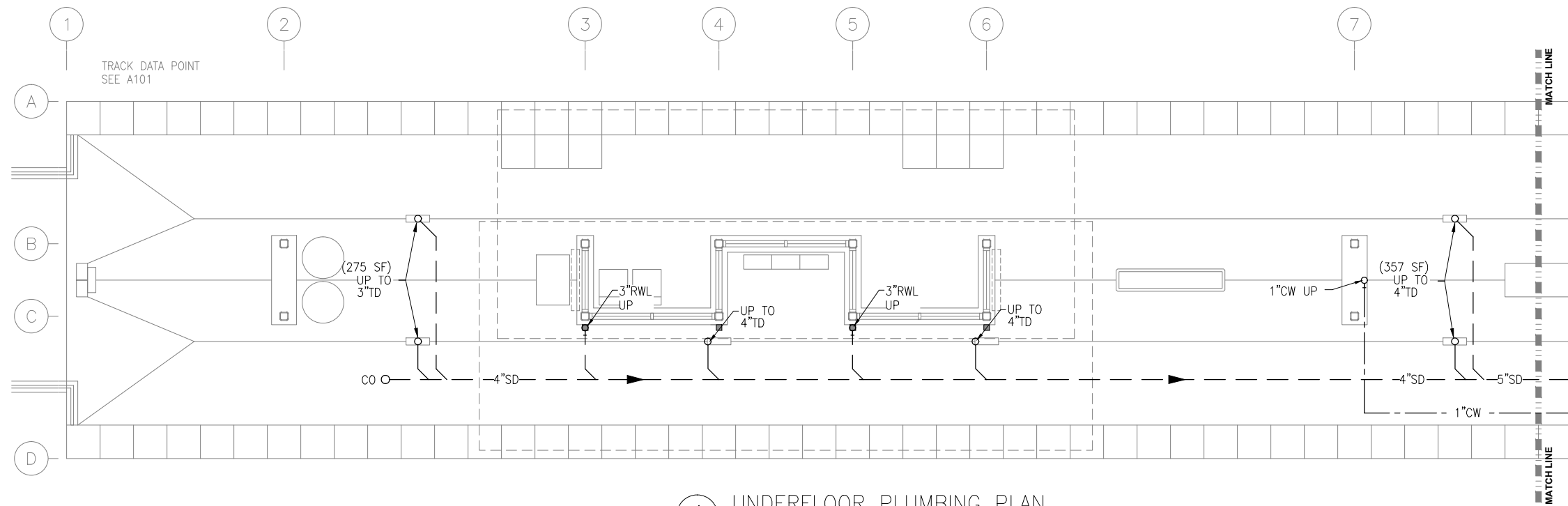
**CIVIL EAST - VOLUME 11A  
BLAKE STATION  
TYPICAL PLATFORM SECTION**

DISCIPLINE: **STRUCTURES** SHEET NAME: **E1-BLK-STR-SCT-300**

**SHEET  
81  
OF  
319**



Sep. 21 2015 01:33 pm Z:\Projects\AECOM\SWLRT\_west\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\MECHANICAL\BLAKE STATION\E1-BLK-PLM-PLN-100.dwg By: craig



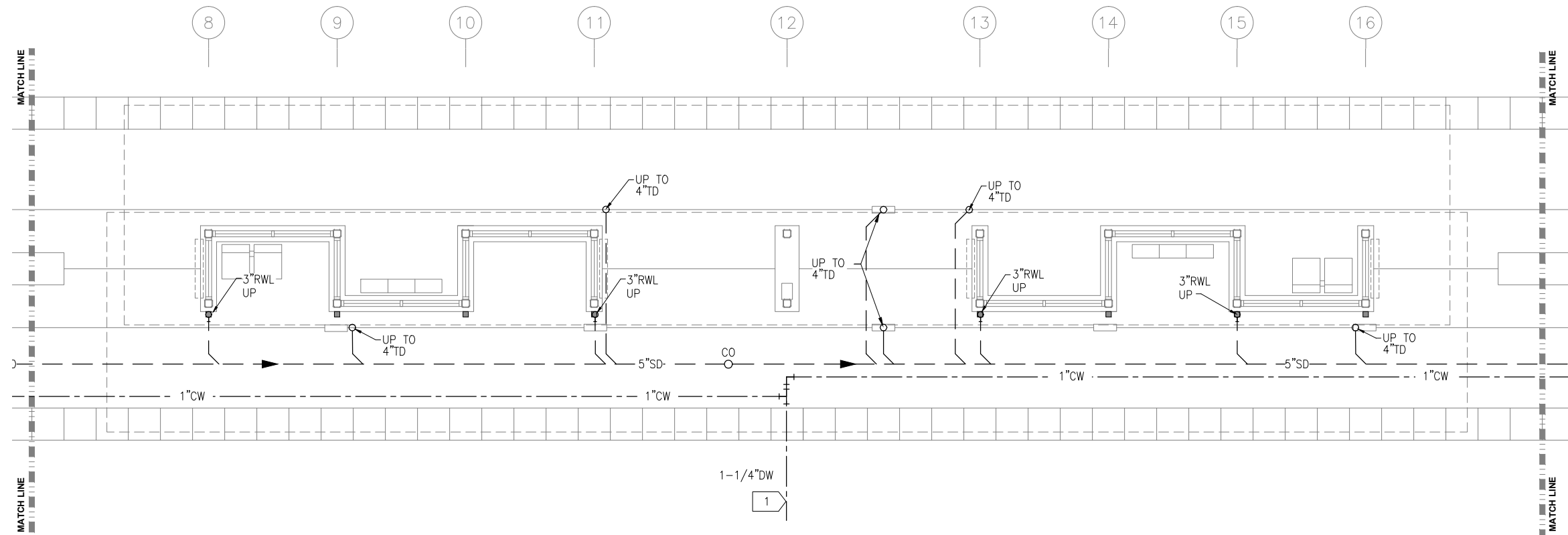
1 UNDERFLOOR PLUMBING PLAN  
SCALE: 1/4"=1'-0"

PLUMBING GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
- MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
- REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS AND LAYOUT.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR STORM DOWNSPOUT MATERIAL.

PLUMBING KEY NOTES:

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



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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

ENGINEERING • LLC  
CERTIFIED WOMEN'S  
BUSINESS ENTERPRISE



**SOUTHWEST**  
Green Line LRT Extension



60% SUBMISSION - 09/28/15

**CIVIL EAST - VOLUME 11A  
BLAKE STATION  
WEST AND MIDDLE PARTIAL  
UNDERFLOOR PLUMBING PLAN**

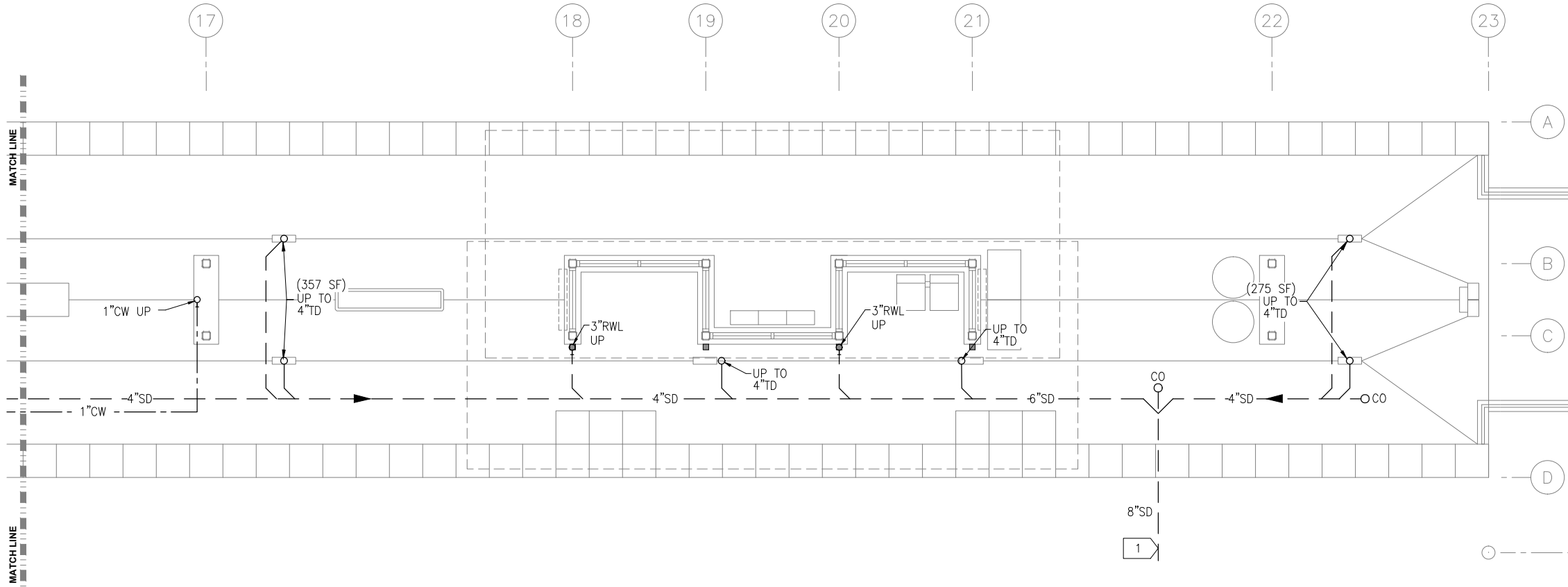
DISCIPLINE:  
**PLUMBING**

SHEET NAME:  
**E1-BLK-PLM-PLN-100**

**SHEET**  
**82**  
**OF**  
**319**



Sep. 21 2015 03:18 pm Z:\Projects\AECOM\SWLRT west\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\MECHANICAL\BLAKE STATION\E1-BLK-PLM-PLN-101.dwg By: craig



PLUMBING GENERAL NOTES

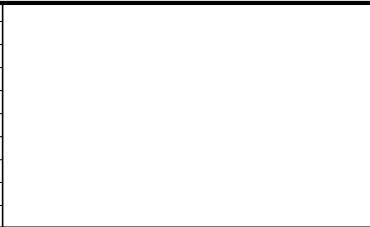
- A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
- C. MAINTAIN CODE 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.




PLUMBING KEY NOTES:

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

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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





60% SUBMISSION - 09/28/15



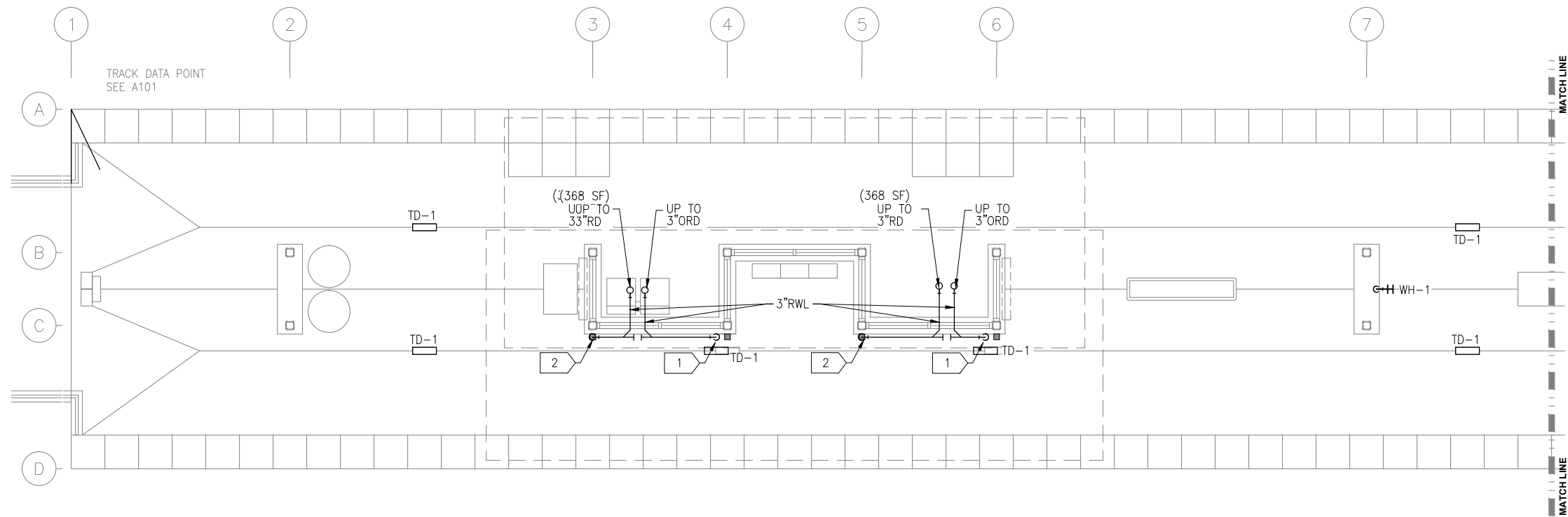
CIVIL EAST - VOLUME 11A  
BLAKE STATION  
EAST PARTIAL UNDERFLOOR  
PLUMBING PLAN

DISCIPLINE: PLUMBING

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



Sep. 21 2015 01:32 pm Z:\Projects\AECOM\SWLRT west\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\MECHANICAL\BLAKE STATION\E1-BLK-PLM-PLN-110.dwg By: craig



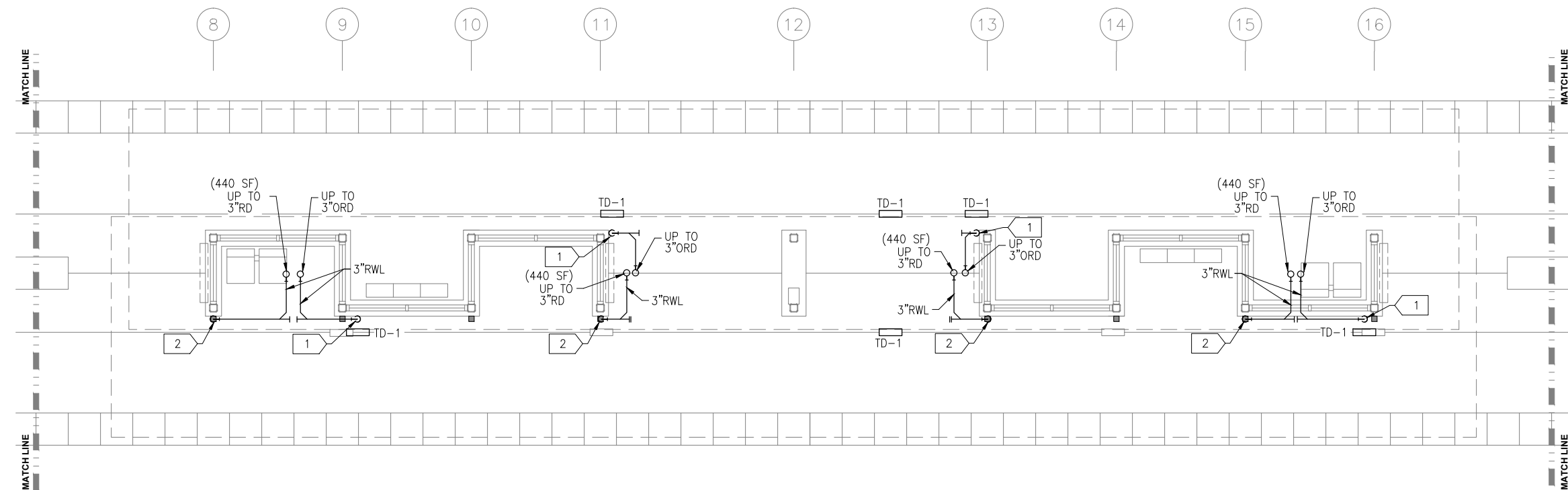
PLUMBING GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
- MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
- REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS AND LAYOUT.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR STORM DOWNSPOUT MATERIAL.

PLUMBING KEY NOTES

- 3x3 RWL DOWN TO DAYLIGHT ABOVE TD-1. SEE ARCHITECTURAL DOCUMENTS FOR RAIN WATER LEADER MATERIAL AND SHAPE.
- 3x3 RWL DOWN TO JOSAM. CONNECTION TO 3" UNDERFLOOR STORM DRAIN.

1 PLUMBING PLAN  
1/4"=1'-0"



2 PLUMBING PLAN  
1/4"=1'-0"

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**ENGINEERING • LLC**  
CERTIFIED WOMEN'S  
BUSINESS ENTERPRISE

**METROPOLITAN**  
C O U N C I L

**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**BLAKE STATION**  
**WEST AND MIDDLE PARTIAL**  
**PLUMBING PLAN**

DISCIPLINE:  
**PLUMBING**

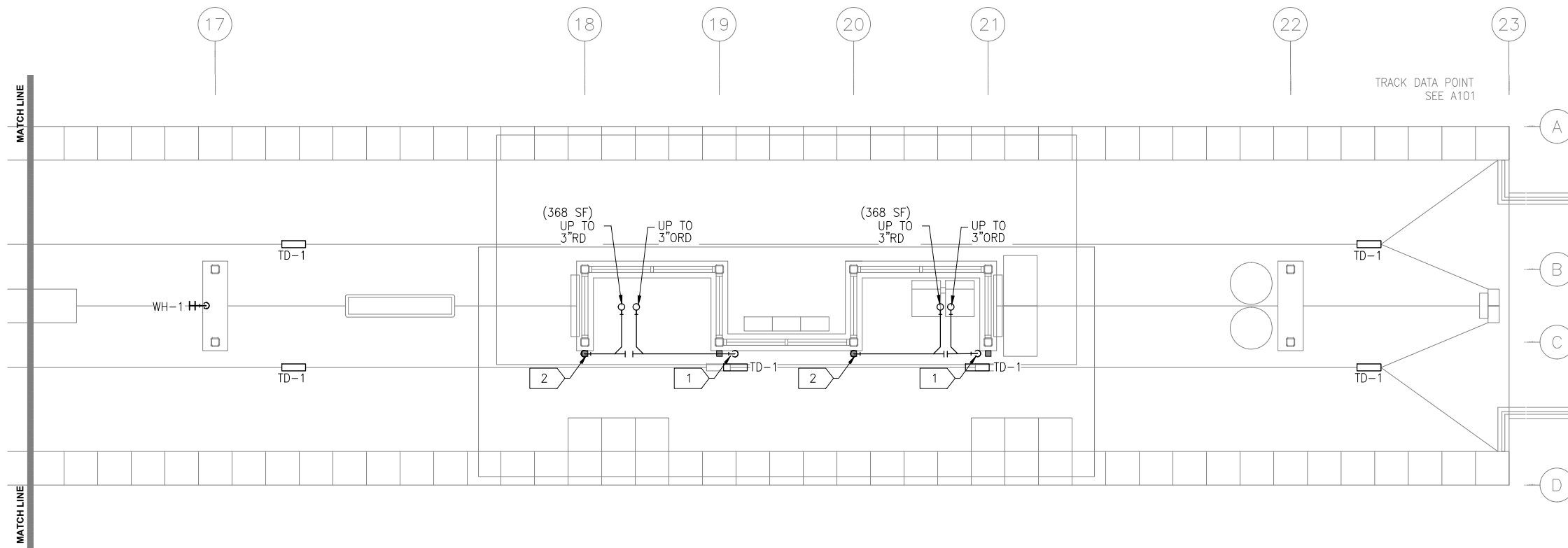
SHEET NAME:  
**E1-BLK-PLM-PLN-110**

**SHEET**  
**84**  
**OF**  
**319**

**60% SUBMISSION - 09/28/15**



Sep. 21 2015 01:31 pm Z:\Projects\AECOM SWLRT west\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\MECHANICAL\BLAKE STATION\E1-BLK-PLM-PLN-111.dwg By: craig



PLUMBING GENERAL NOTES

- A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES 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.

PLUMBING KEY NOTES

- 1 3x3 RWL DOWN TO DAYLIGHT ABOVE TD-1. SEE ARCHITECTURAL DOCUMENTS FOR RAIN WATER LEADER MATERIAL AND SHAPE.
- 2 3x3 RWL DOWN TO JOSAM..... CONNECTION TO 3\"/>

1 PLUMBING PLAN  
1/4"=1'-0"

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

60% SUBMISSION - 09/28/15

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

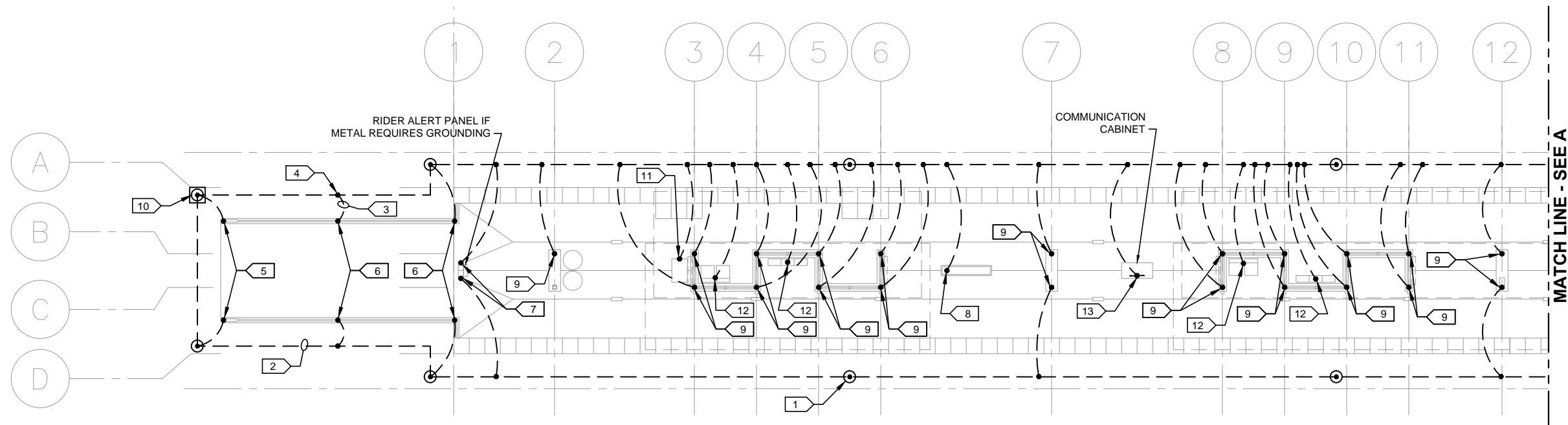
DISCIPLINE: PLUMBING

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

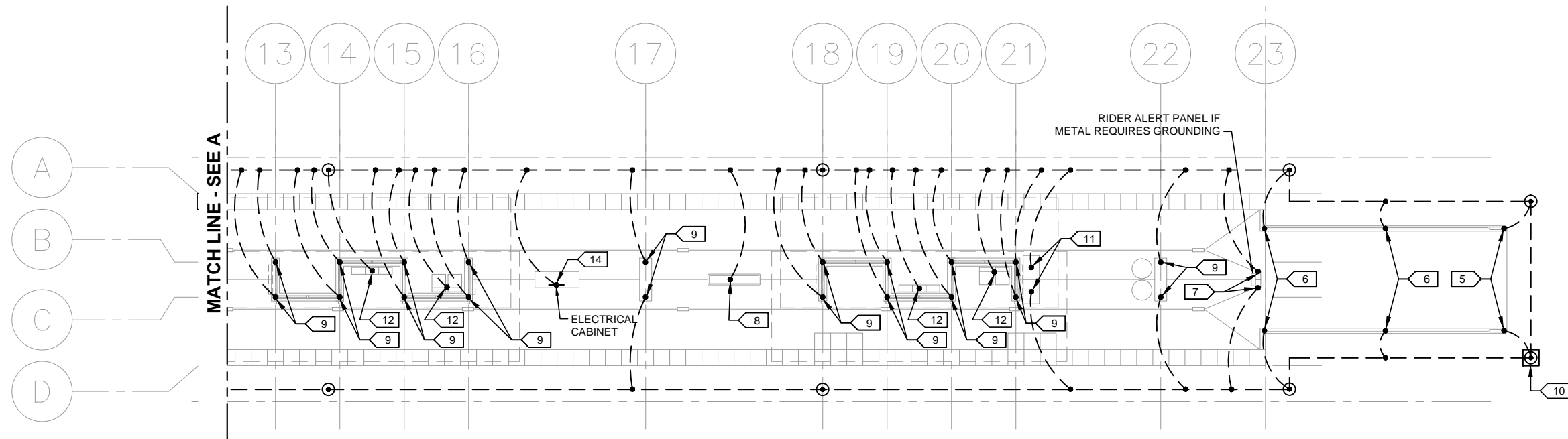
SHEET  
85  
OF  
319



Sep. 25 2015 08:52 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-BLK-ELE-PLN-201.dwg By: FergTK



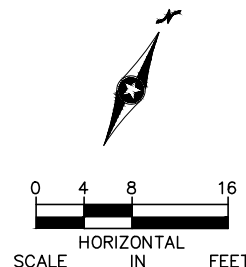
1 PARTIAL PLATFORM PLAN  
SCALE: 1/16"=1'-0"



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

- KEYNOTES:
- GROUND ROD, TYPICAL.
  - GROUND LOOP, TYPICAL.
  - GEC, TYPICAL.
  - EXOTHERMIC WELD, TYPICAL.
  - GEC CONNECTION TO SIGN.
  - GEC CONNECTION TO RAILING POST.
  - GEC CONNECTION TO RSV.
  - GEC CONNECTION TO KIOSK.
  - GEC CONNECTION TO COLUMN.
  - GROUND TEST WELL.
  - GEC CONNECTION TO TVM.
  - GEC CONNECTION TO SEAT OR LEAN RAIL.
  - GEC CONNECTION TO COMMUNICATIONS CABINET GROUND BUS.
  - #3/0 GEC CONNECTION TO ELECTRICAL ENCLOSURE GROUND BUS.

- GENERAL NOTES:
- 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.
  - 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.
  - GROUNING ELECTRODE CONDUCTORS (GEC) SHALL BE #2/0 BARE COPPER UNLESS NOTED OTHERWISE.
  - 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.
  - INSTALL GROUND ROD SO THAT 8' IS BELOW THE FROST LINE.
  - IF RAILING HAS AN ISOLATION GAP, JUMPER BETWEEN GAPS WITH GEC.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
BLAKE STATION  
ELECTRICAL  
GROUNDING PLAN

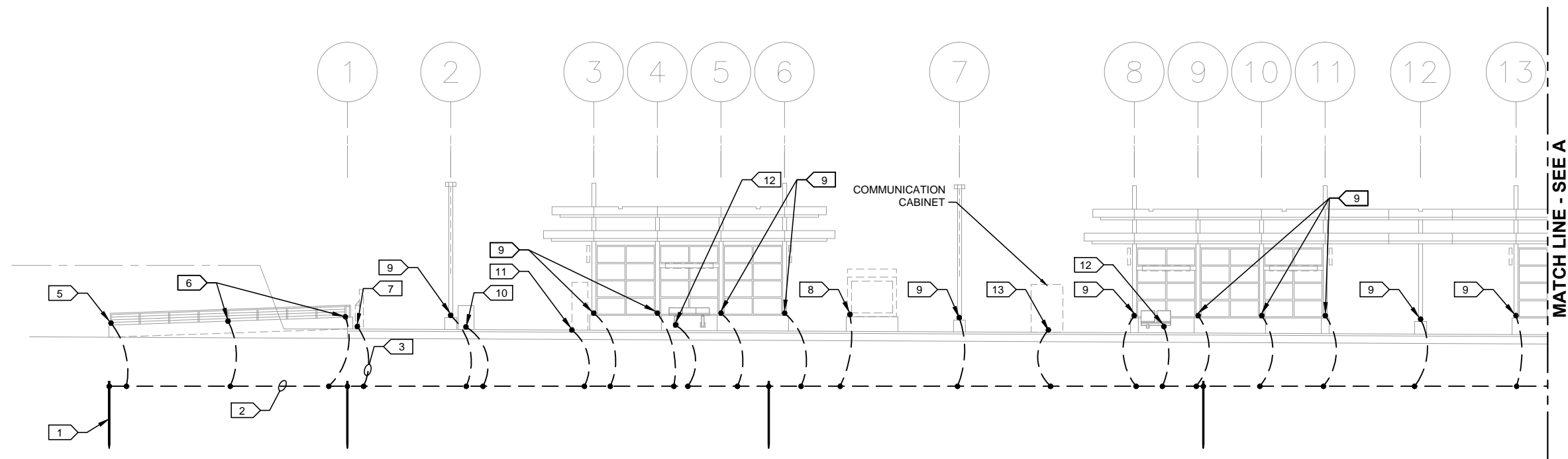
DISCIPLINE:  
ELECTRICAL

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

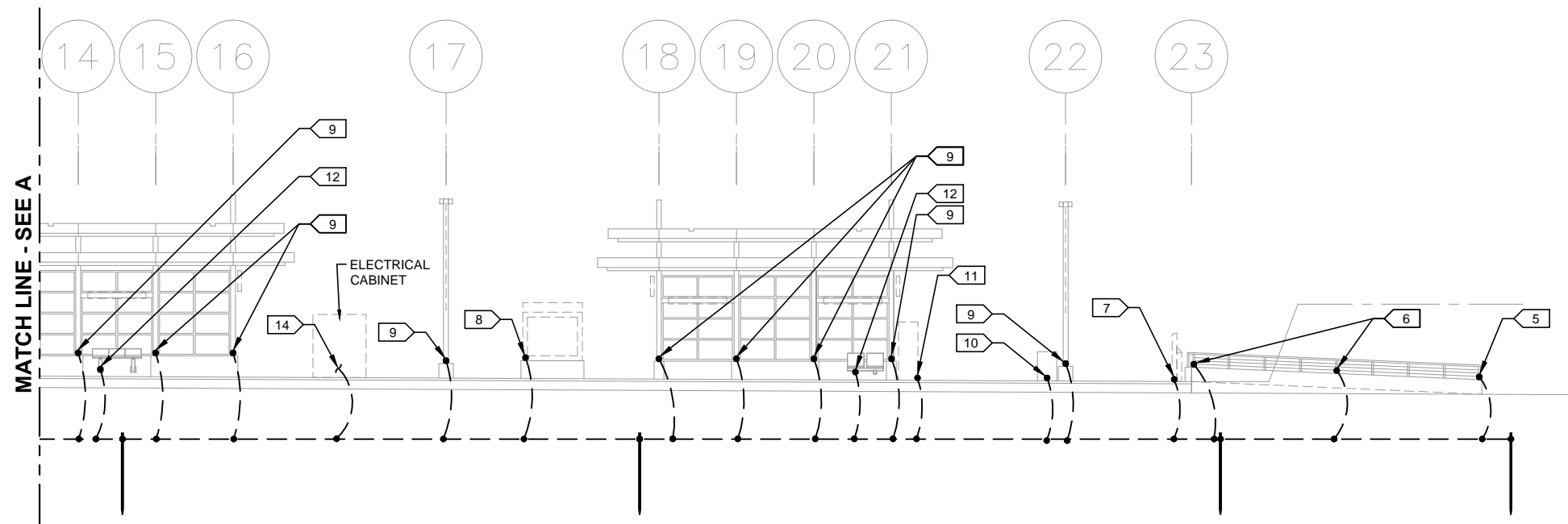
SHEET  
86  
OF  
319



Sep. 25 2015 08:52 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-BLK-ELE-PLN-202.dwg By: FergTK



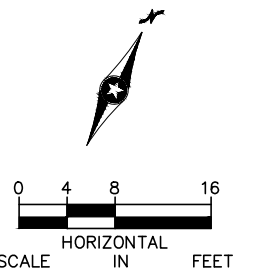
1 PARTIAL PLATFORM ELEVATION  
SCALE: 1/16"=1'-0"



2 PARTIAL PLATFORM ELEVATION  
SCALE: 1/16"=1'-0"

- KEYNOTES:
- GROUND ROD, TYPICAL.
  - GROUND LOOP, TYPICAL.
  - GEC, TYPICAL.
  - EXOTHERMIC WELD, TYPICAL.
  - GEC CONNECTION TO SIGN.
  - GEC CONNECTION TO RAILING POST.
  - GEC CONNECTION TO SVC. PROVIDE GEC CONNECTION BETWEEN SVC'S.
  - GEC CONNECTION TO KIOSK.
  - GEC CONNECTION TO COLUMN.
  - GEC CONNECTION TO TRASH BARREL. PROVIDE GEC CONNECTION BETWEEN TRASH BARRELS.
  - GEC CONNECTION TO TVM. PROVIDE GEC CONNECTION BETWEEN TVM'S.
  - GEC CONNECTION TO SEAT OR LEAN RAIL.
  - GEC CONNECTION TO COMMUNICATIONS ENCLOSURE.
  - #3/0 GEC CONNECTION TO ELECTRICAL ENCLOSURE GROUND BUS.

- GENERAL NOTES:
- 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 FULFILLING TO DESIGN INTENT.
  - GROUND LOOP SHALL BE #3/0 BARE COPPER. LOOP SHALL BE INSTALLED AT 48" BELOW GRADE OR 6" BELOW THE FROST LINE, WHICHEVER IS GREATER. LOOP SHALL BE INSTALLED AT LEAST 8" PERPENDICULAR FROM THE STATION PERIMETER FOUNDATION.
  - GROUNDED ELECTRODE CONDUCTORS (GEC) SHALL BE #2/0 BARE COPPER UNLESS NOTED OTHERWISE.
  - ALL EXOTHERMIC WELDS TO COLUMNS, TVM'S, SVC'S, SEATS, LEAN RAILS, WATER HYDRANTS, TRASH BARRELS AND EQUIPMENT CABINETS SHALL BE ABOVE GRADE AND VISIBLE. PAINT WELDS TO MATCH SURFACE COLOR. VERIFY COLOR WITH CAR.
  - PROVIDE GROUND ROD SO THAT 8' IS BELOW THE FROST LINE.
  - IF RAILING HAS SPLICES, JUMPER SPLICES WITH GEC.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM** *MP Consultants*  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA



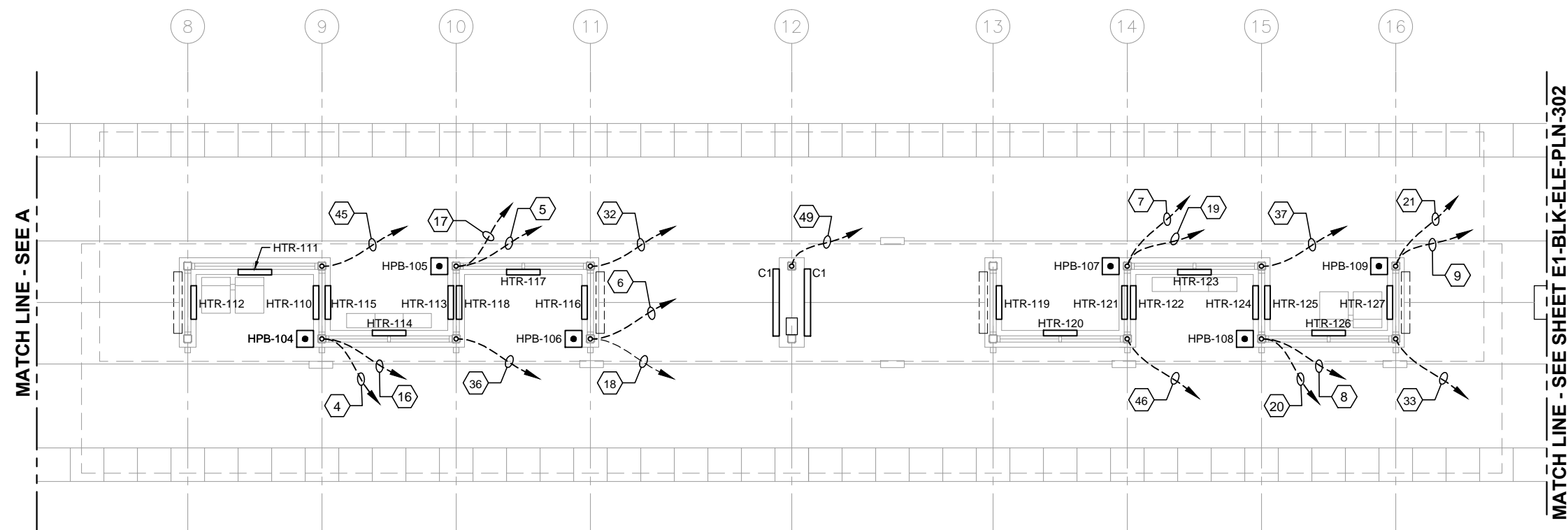
60% SUBMISSION - 09/28/15

**CIVIL EAST - VOLUME 11A  
BLAKE STATION  
ELECTRICAL  
GROUNDING ELEVATION**

DISCIPLINE: **ELECTRICAL** SHEET NAME: **E1-BLK-ELE-PLN-202**

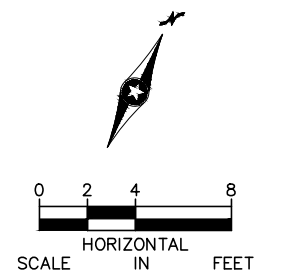
**SHEET  
87  
OF  
319**





**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.

[illegible]

**CIVIL EAST - VOLUME 11A**  
**BLAKE STATION**  
**ELECTRICAL**  
**UNDERSLAB CONDUIT PLAN (1 OF 2)**

DISCIPLINE: **ELECTRICAL**

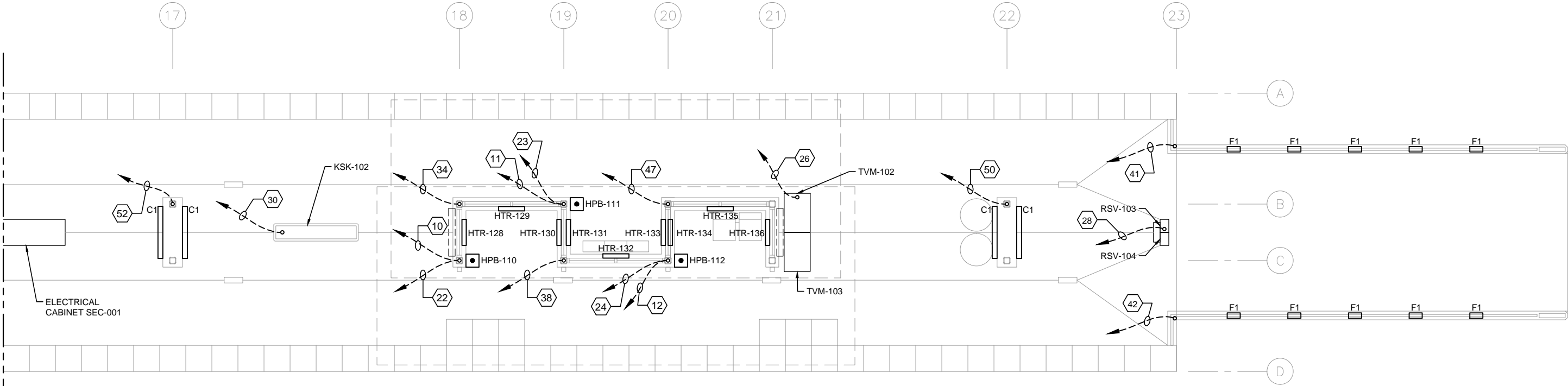
SHEET NAME:	E1-BLK-ELE-PLN-301
-------------	--------------------

HEET  
88  
OF  
319



Sep. 25 2015 09:57 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-BLK-ELE-PLN-302.dwg By: V-BegeJB

MATCH LINE - SEE SHEET E1-BLK-ELE-PLN-301



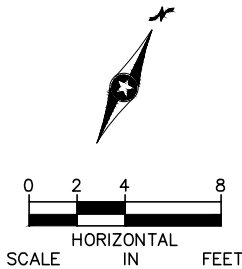
1

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.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



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

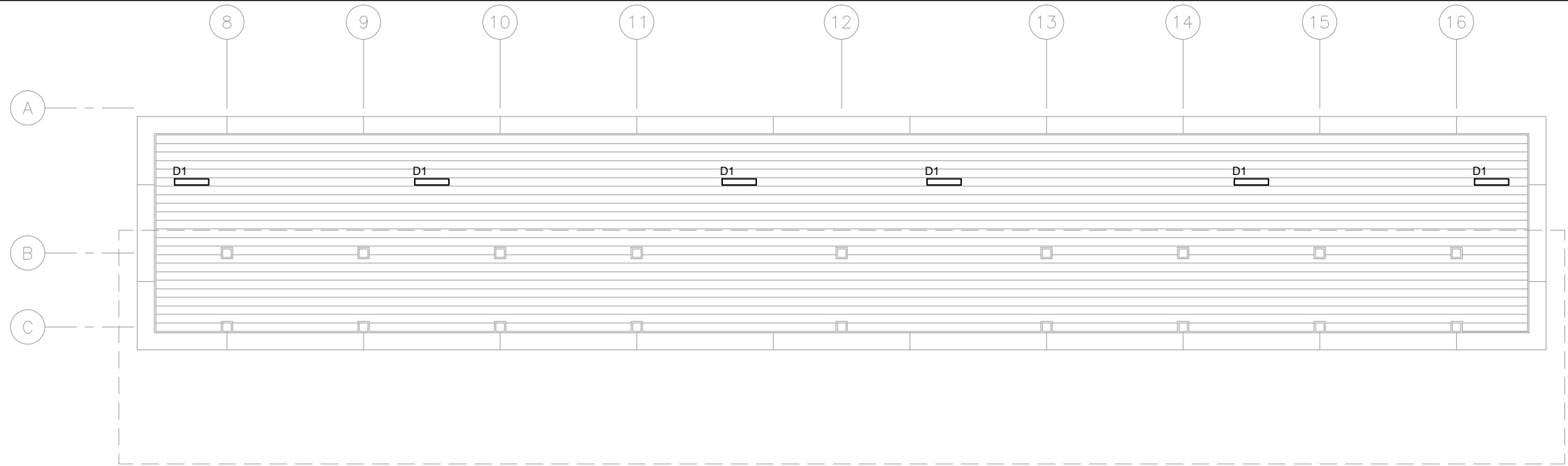
DISCIPLINE:  
ELECTRICAL

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

SHEET  
89  
OF  
319



Sep. 25 2015 08:54 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-BLK-ELE-PLN-303.dwg By: FergTK



GENERAL NOTES:

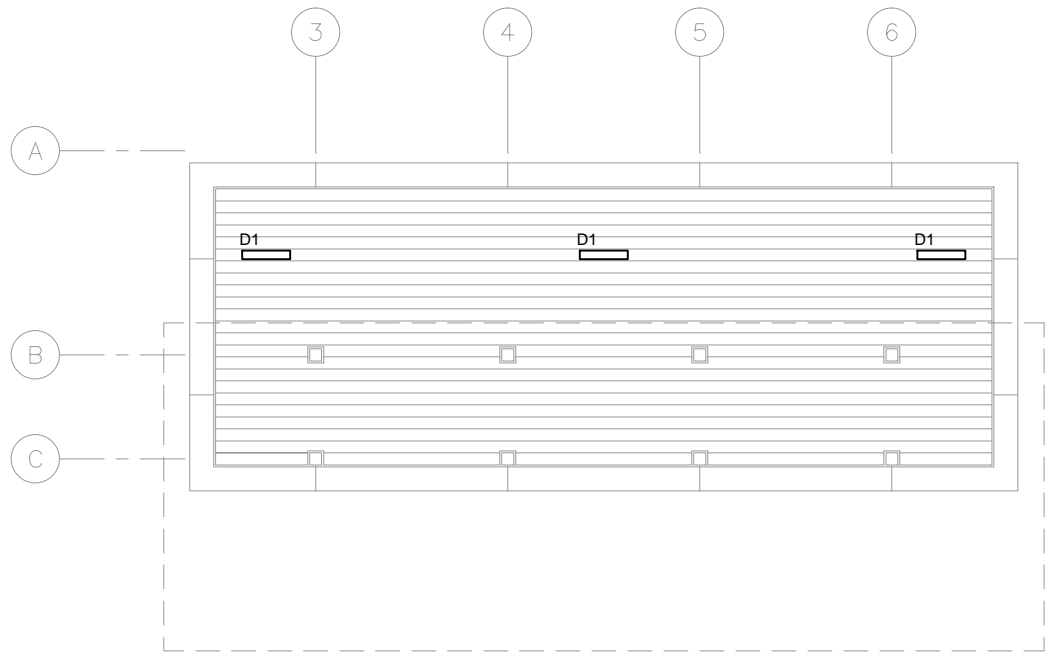
1.

KEYNOTES:

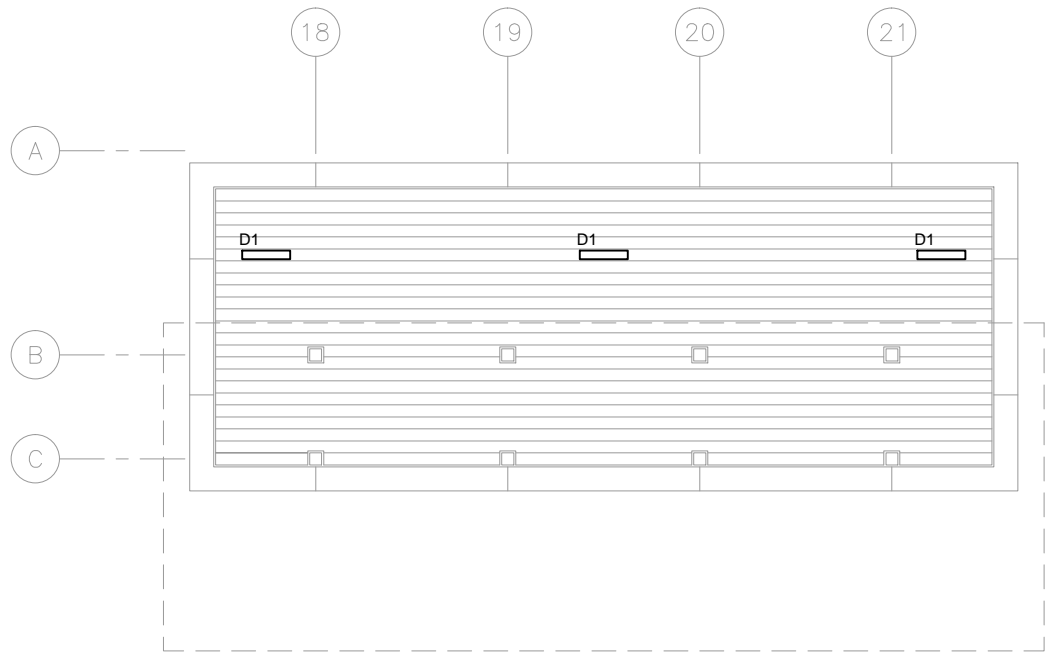


1.

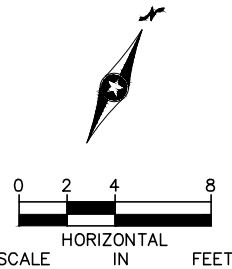
1 TRACK 1 SIDE CANOPY PLAN – MIDDLE  
SCALE: 1/8"=1'-0"



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"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15

**METROPOLITAN**  
C O U N C I L

**SOUTHWEST**  
Green Line LRT Extension

**CIVIL EAST - VOLUME 11A**  
**BLAKE STATION**  
**ELECTRICAL**  
**CANOPY PLAN - TRACK 1 SIDE**

DISCIPLINE: **ELECTRICAL**

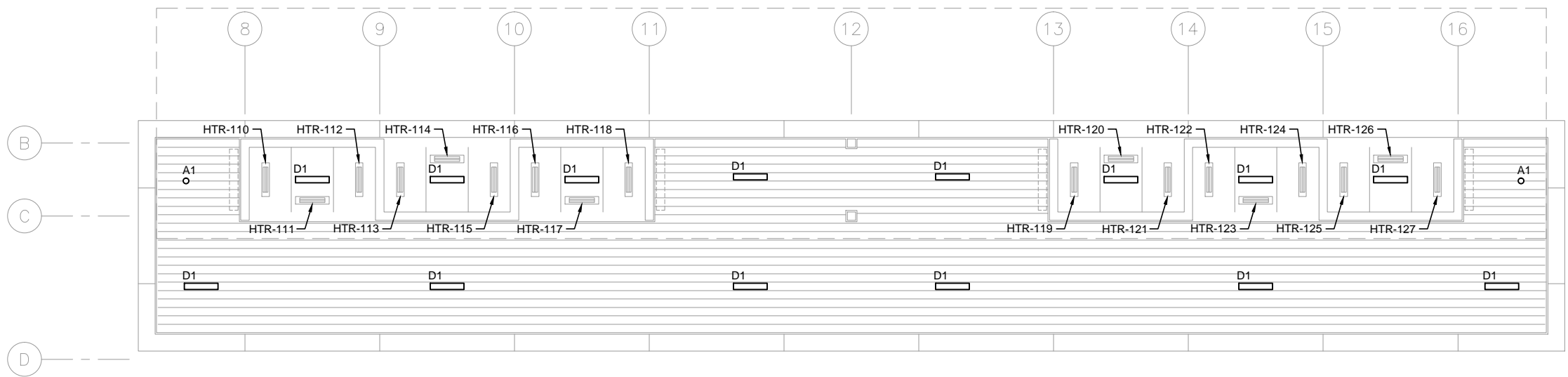
SHEET NAME: **E1-BLK-ELE-PLN-303**

SHEET  
90  
OF  
319



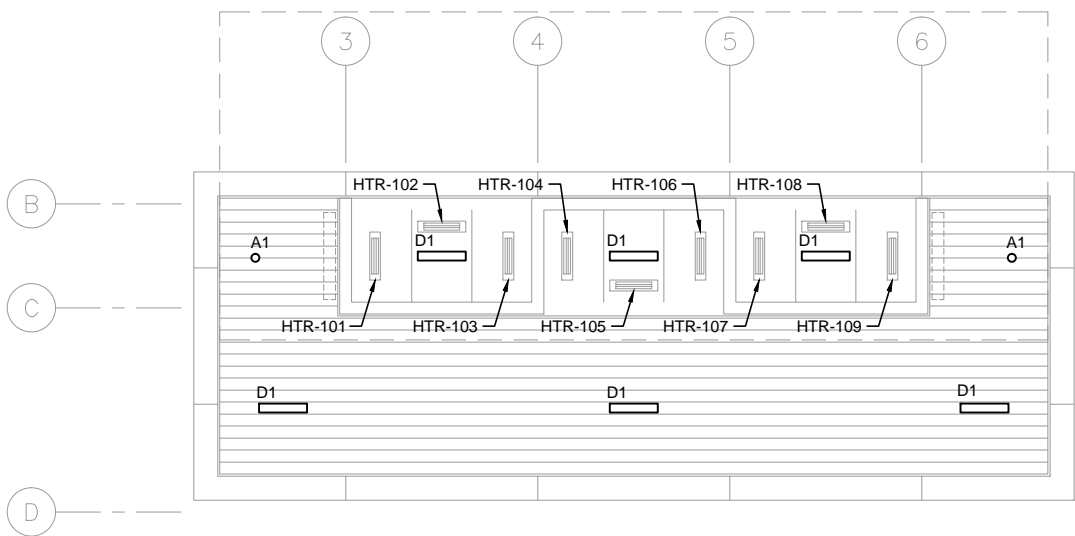
Sep. 25 2015 08:54 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-BLK-ELE-PLN-304.dwg By: FergTK

- GENERAL NOTES:
1. PROVIDE HEAT TRACE IN GUTTERS, DOWN SPOUTS AND RAIN CONDUCTORS.

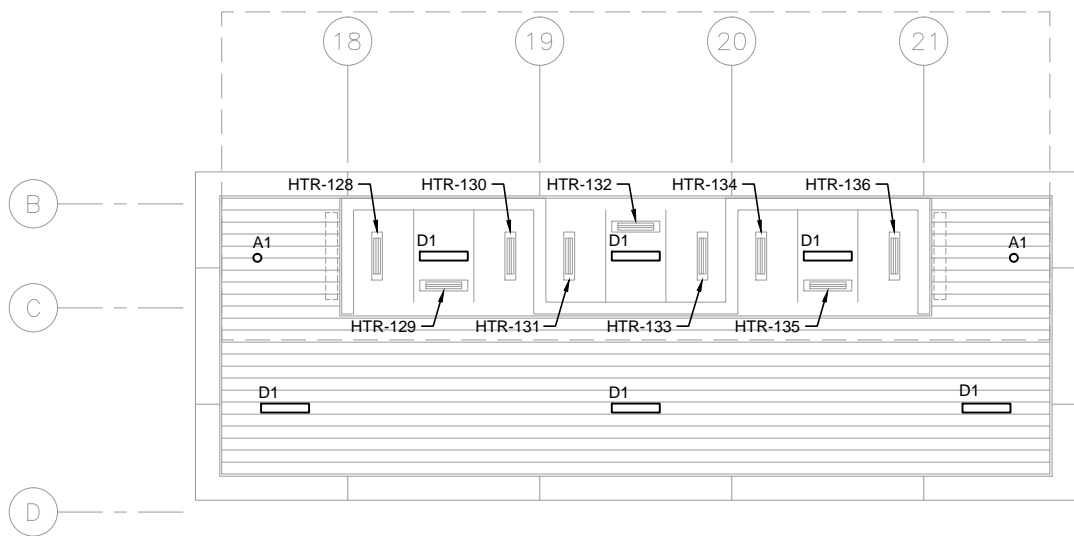


- KEYNOTES:
- 1.

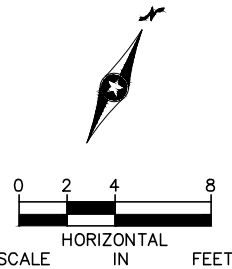
1 TRACK 2 SIDE CANOPY PLAN – MIDDLE  
SCALE: 1/8"=1'-0"



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"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM** **MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**BLAKE STATION**  
**ELECTRICAL**  
**UPPER CANOPY PLAN - TRACK 2 SIDE**

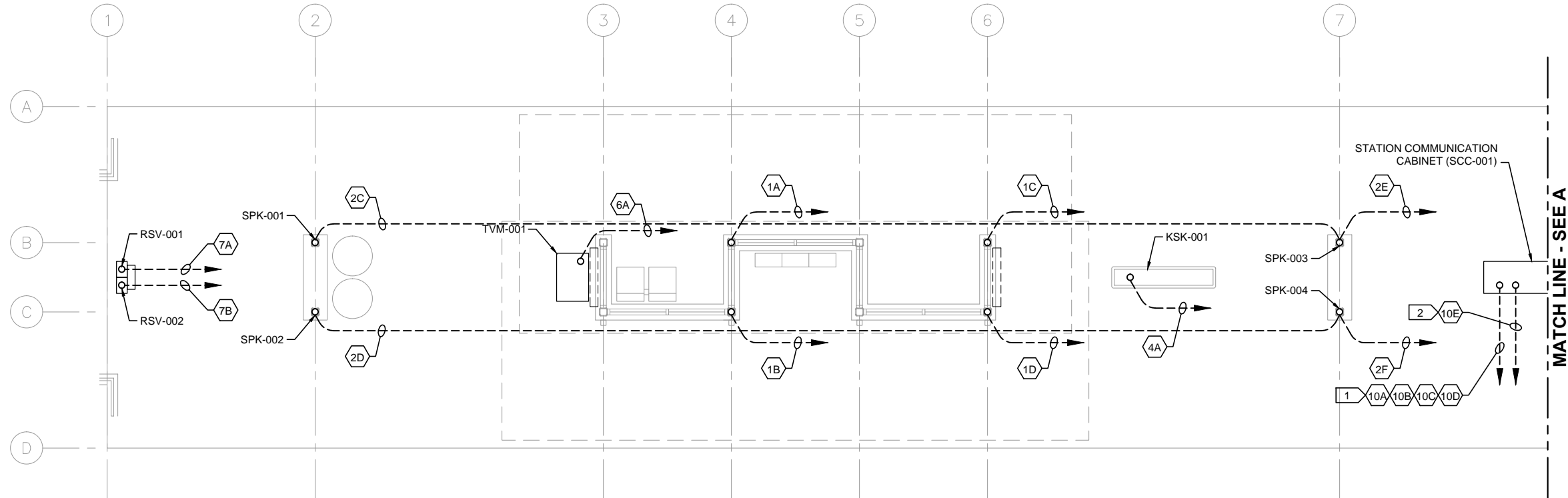
DISCIPLINE:  
**ELECTRICAL**

SHEET NAME:  
**E1-BLK-ELE-PLN-304**

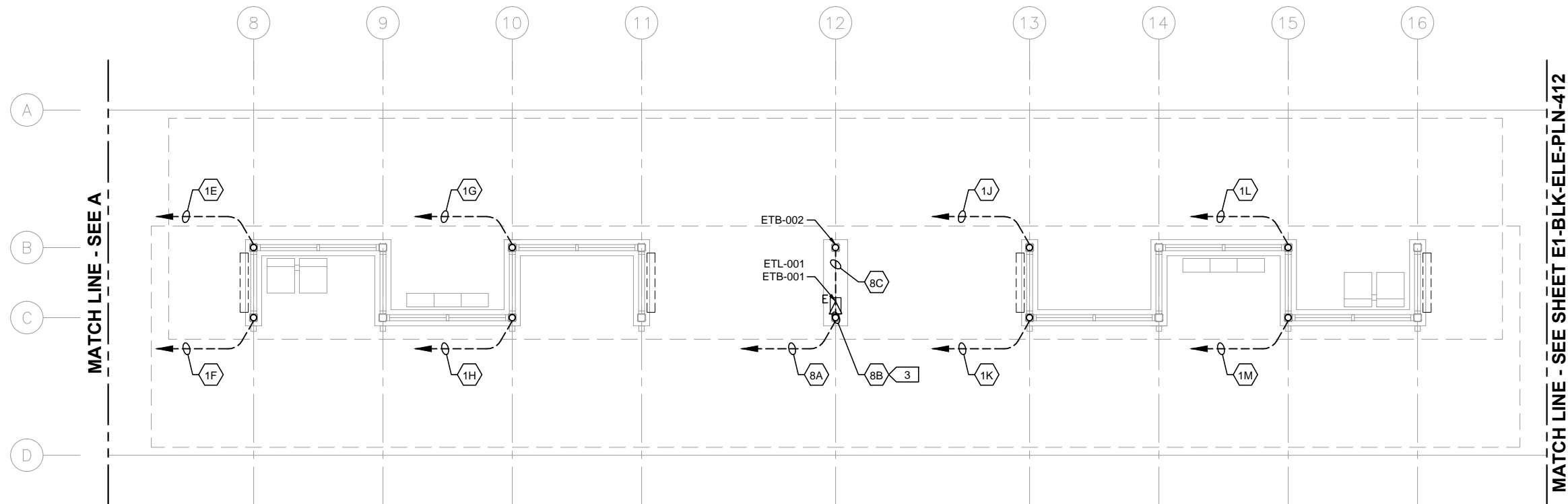
**SHEET**  
**91**  
**OF**  
**319**



Sep. 25 2015 08:55 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-BLK-ELE-PLN-411.dwg By: FergTK



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



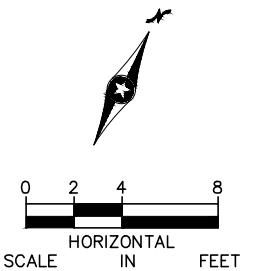
2 PLATFORM PLAN - MIDDLE  
SCALE: 1/8"=1'-0"

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 CANOPY COMMUNICATIONS PLAN.

KEYNOTES:

1. COMMUNICATIONS CONDUITS TO/FROM STATION SIGNAL-COMMUNICATIONS HOUSE.
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.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



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

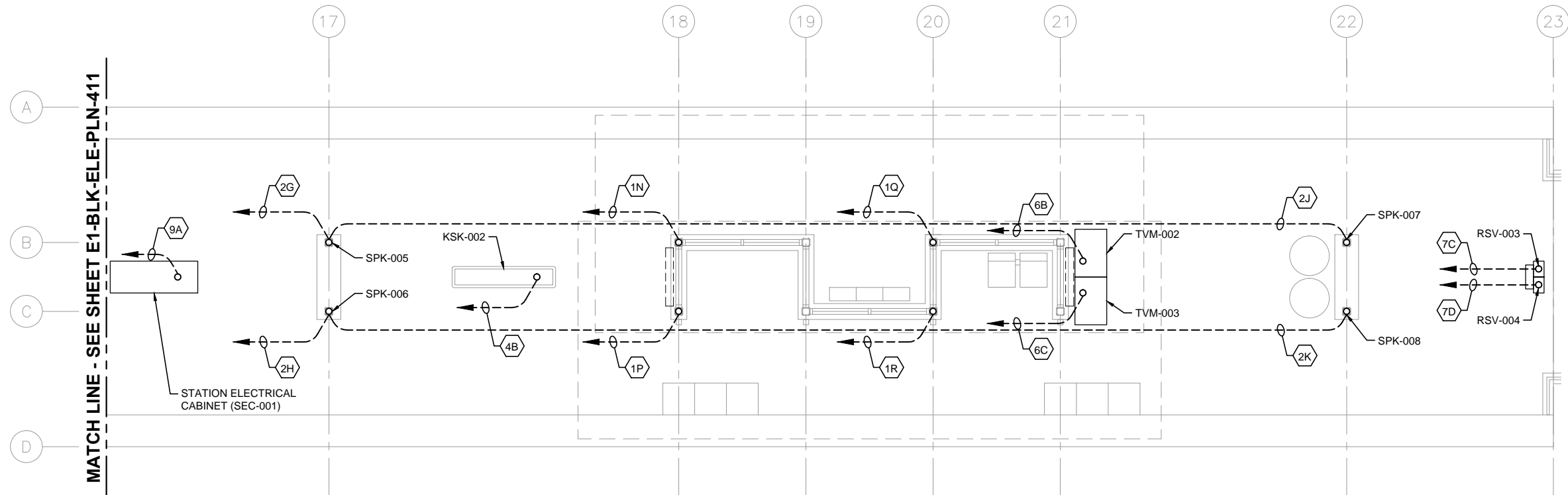
DISCIPLINE:  
ELECTRICAL

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

SHEET  
92  
OF  
319



Sep. 25 2015 08:55 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-BLK-ELE-PLN-412.dwg By: FergTK

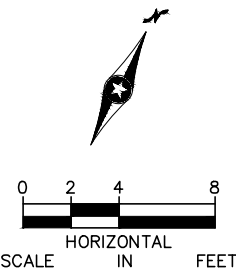


1 PLATFORM PLAN - EAST  
SCALE: 1/8"=1'-0"

- 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 CANOPY COMMUNICATIONS PLAN.

KEYNOTES:

1.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15

**METROPOLITAN**  
C O U N C I L

**SOUTHWEST**  
Green Line LRT Extension

**CIVIL EAST - VOLUME 11A**  
**BLAKE STATION**  
**COMMUNICATIONS**  
**UNDERSLAB CONDUIT PLAN (2 OF 2)**

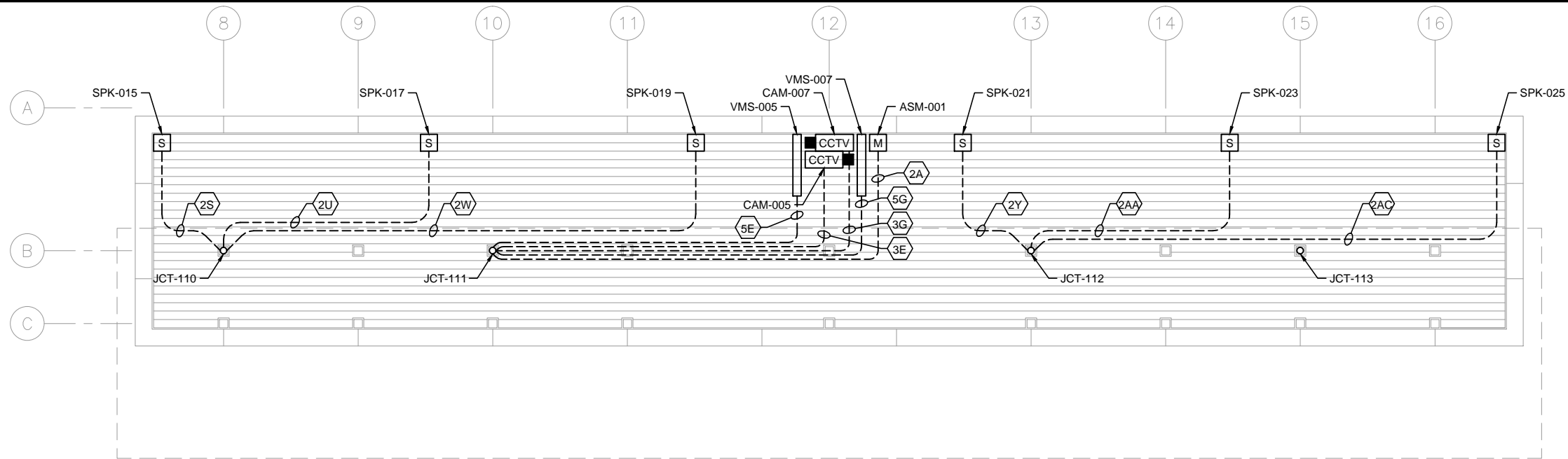
DISCIPLINE:  
**ELECTRICAL**

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

SHEET  
93  
OF  
319



Sep. 25 2015 08:56 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-BLK-ELE-PLN-421.dwg By: FergTK



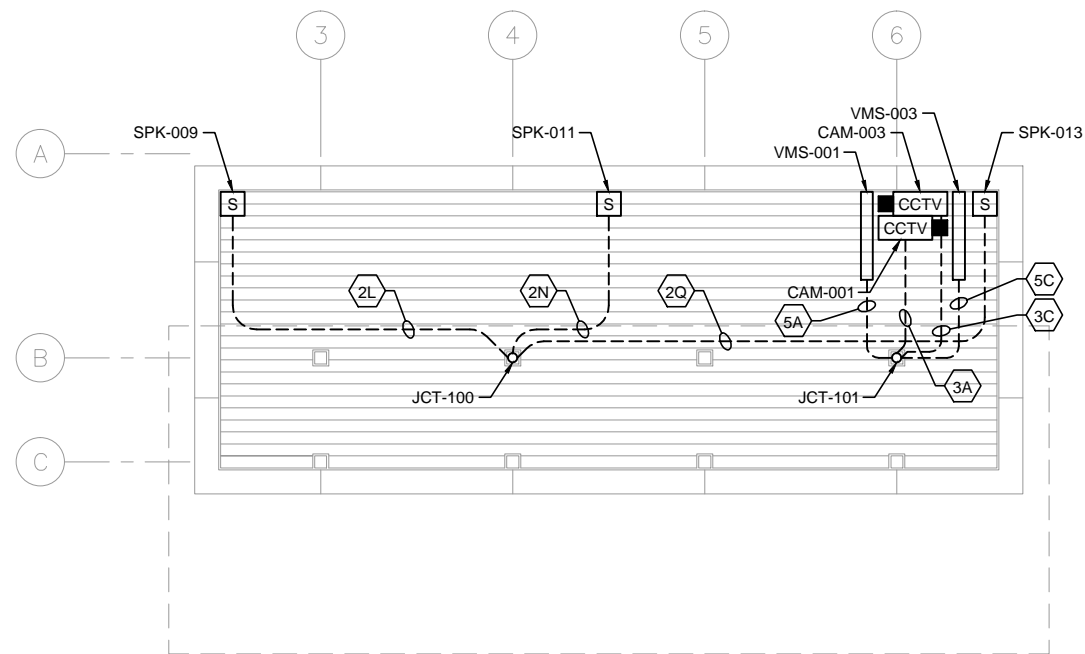
GENERAL NOTES:

1.

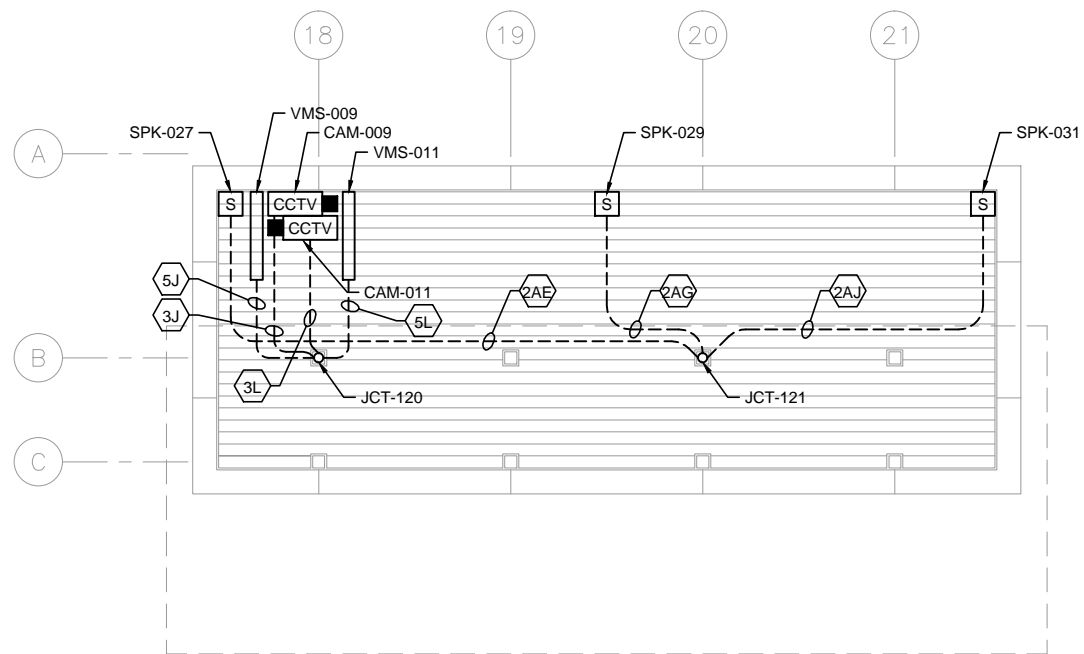
KEYNOTES:

1.

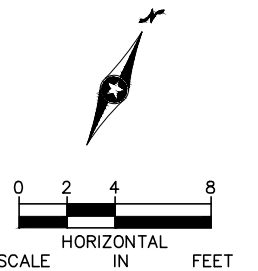
1 TRACK 1 SIDE CANOPY PLAN – MIDDLE  
SCALE: 1/8"=1'-0"



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"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM** **MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**BLAKE STATION**  
**COMMUNICATIONS**  
**CANOPY PLAN - TRACK 1 SIDE**

DISCIPLINE:  
**ELECTRICAL**

SHEET NAME:  
**E1-BLK-ELE-PLN-421**

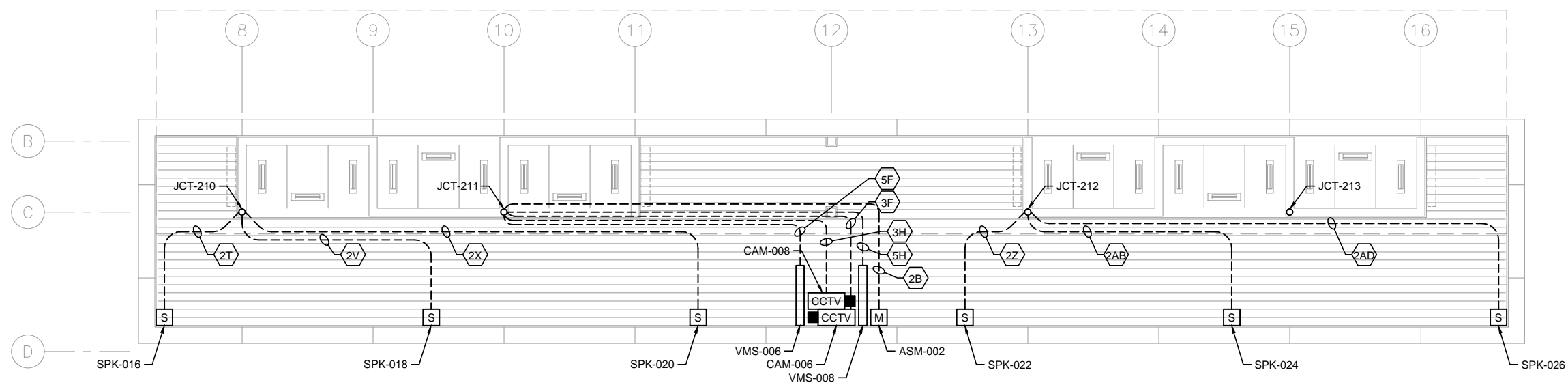
**SHEET**  
**94**  
**OF**  
**319**



Sep. 25 2015 08:56 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-BLK-ELE-PLN-422.dwg By: FergTK

GENERAL NOTES:

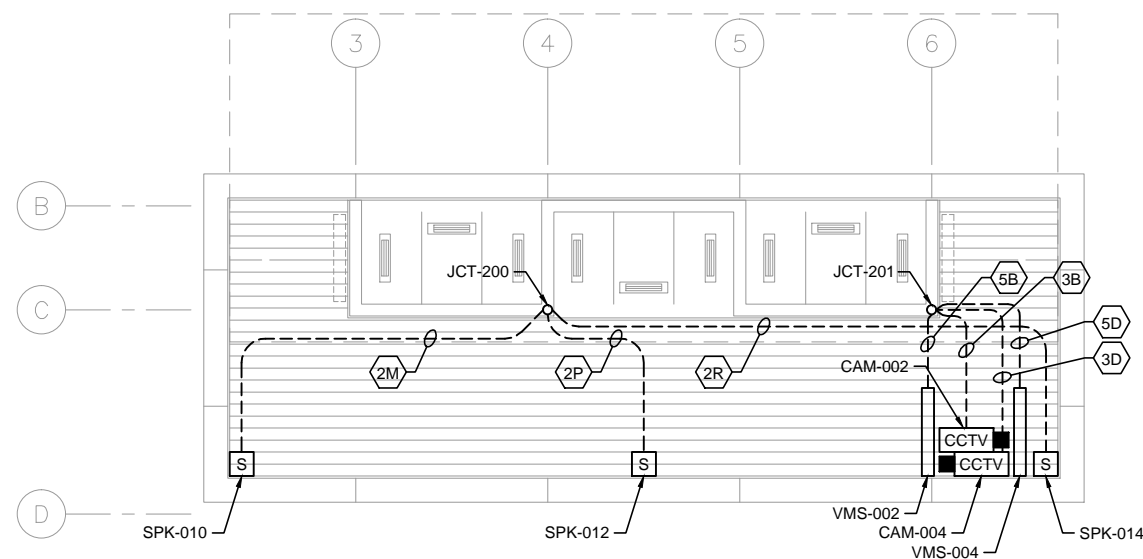
1.



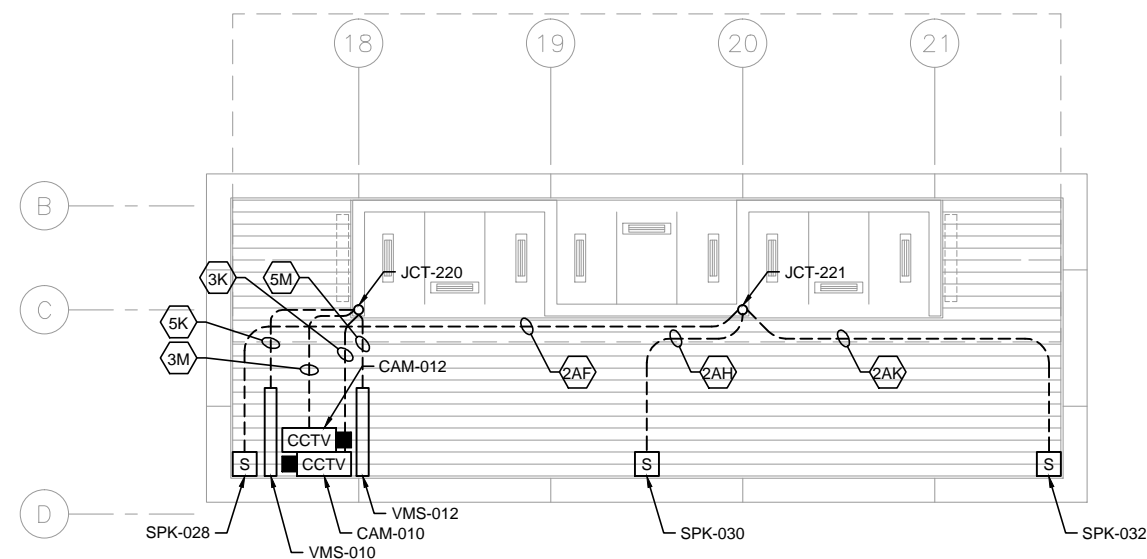
KEYNOTES:

1.

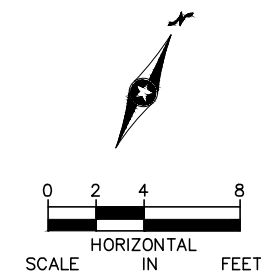
1 TRACK 2 SIDE CANOPY PLAN – MIDDLE  
SCALE: 1/8"=1'-0"



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"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



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

DISCIPLINE:  
ELECTRICAL

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

SHEET  
95  
OF  
319



[illegible]

**CIVIL EAST - VOLUME 11A  
BLAKE STATION  
COMMUNICATIONS  
CONDUIT SCHEDULE (1 OF 2)**

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



[illegible]

# CIVIL EAST - VOLUME 11A

## BLAKE STATION

### COMMUNICATIONS

#### CONDUIT SCHEDULE (2 OF 2)

DISCIPLINE: <b>ELECTRICAL</b>	SHEET NAME: <b>E1-BLK-ELE-SCH-462</b>
----------------------------------	--



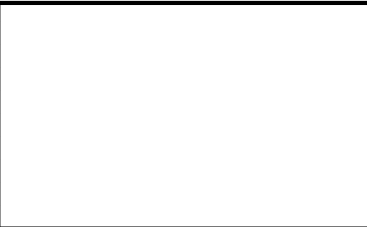
Sep. 25 2015 08:57 am V:\3400\_ADC\CAD\SEGMENT E1\PLAN SHEETS\ELECTRICAL\E1-BLK-ELE-SCH-503.dwg By: FergTK

BLAKE CONDUIT AND WIRE SCHEDULE						
CONDUIT NUMBER	SIZE	WIRE	FROM	TO	REMARKS	NOTES
1	1"	2#8, 1#10G	HEATERS HTR-101, 102, 103	LP1A	POWER TO HEATERS	
2	1"	2#8, 1#10G	HEATERS HTR-104, 105, 106	LP1A	POWER TO HEATERS	
3	1"	2#8, 1#10G	HEATERS HTR-107, 108, 109	LP1A	POWER TO HEATERS	
4	1"	2#8, 1#10G	HEATERS HTR-110, 111, 112	LP1A	POWER TO HEATERS	
5	1"	2#8, 1#10G	HEATERS HTR-113, 114, 115	LP1A	POWER TO HEATERS	
6	1"	2#8, 1#10G	HEATERS HTR-116, 117, 118	LP1A	POWER TO HEATERS	
7	1"	2#8, 1#10G	HEATERS HTR-119, 120, 121	LP1A	POWER TO HEATERS	
8	1"	2#8, 1#10G	HEATERS HTR-122, 123, 124	LP1A	POWER TO HEATERS	
9	1"	2#8, 1#10G	HEATERS HTR-125, 126, 127	LP1A	POWER TO HEATERS	
10	1"	2#8, 1#10G	HEATERS HTR-128, 129, 130	LP1A	POWER TO HEATERS	
11	1"	2#8, 1#10G	HEATERS HTR-131, 132, 133	LP1A	POWER TO HEATERS	
12	1"	2#8, 1#10G	HEATERS HTR-134, 135, 136	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	LP1A	POWER TO TVMs	
26	1"	4#10, 2#10G	TVM-102, TVM-103	LP1A	POWER TO TVM	
27	1"	4#12, 2#12G	RSV-101, RSV-102	LP1A	POWER TO RSVs	
28	1"	4#12, 2#12G	RSV-103, RSV-104	LP1A	POWER TO RSVs	
29	1"	2#12, 1#12G	KSK-101	LP1B	POWER TO KIOSK	
30	1"	2#12, 1#12G	KSK-102	LP1B	POWER TO KIOSK	
31	1"	2#12, 1#12G	CANOPY LUMINAIRES	LP1A	POWER TO LUMNAIRES	
32	1"	2#12, 1#12G	CANOPY LUMINAIRES	LP1A	POWER TO LUMNAIRES	
33	1"	2#12, 1#12G	CANOPY LUMINAIRES	LP1A	POWER TO LUMNAIRES	
34	1"	2#12, 1#12G	CANOPY LUMINAIRES	LP1A	POWER TO LUMNAIRES	
35	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2, 3
36	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2, 3
37	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2, 3
38	1"	2#10, 1#10G	HEAT TAPE	HTCP	POWER TO HEAT TAPE	2, 3
39	1"	2#10, 1#10G	RAMP RAILING LUMINAIRE	RAMP RAILING LUMINAIRE DRIVER	POWER TO RAMP RAILING LUMINAIRE	1
40	1"	2#10, 1#10G	RAMP RAILING LUMINAIRE	RAMP RAILING LUMINAIRE DRIVER	POWER TO RAMP RAILING LUMINAIRE	1
41	1"	2#10, 1#10G	RAMP RAILING LUMINAIRE	RAMP RAILING LUMINAIRE DRIVER	POWER TO RAMP RAILING LUMINAIRE	1
42	1"	2#10, 1#10G	RAMP RAILING LUMINAIRE	RAMP RAILING LUMINAIRE DRIVER	POWER TO RAMP RAILING LUMINAIRE	1
43	1"	4#10, 1#10G	COMMUNICATIONS CABINET SCC-001	LP1B	POWER TO COMMUNICATIONS CABINET	
44	1"	4#12, 2#12G	VMSs	LP1B	POWER TO VMS	
45	1"	4#12, 2#12G	VMSs	LP1B	POWER TO VMS	
46	1"	4#12, 2#12G	VMSs	LP1B	POWER TO VMS	
47	1"	4#12, 2#12G	VMSs	LP1B	POWER TO VMS	
48	1"	2#10, 2#10G	POLE LUMINAIRES	LP1A	POWER TO POLE LUMNAIRES	
49	1"	2#10, 2#10G	POLE LUMINAIRES	LP1A	POWER TO POLE LUMNAIRES	
50	1"	2#10, 2#10G	POLE LUMINAIRES	LP1A	POWER TO POLE LUMNAIRES	
51	1"	2#10, 2#10G	POLE LUMINAIRES	LP1A	POWER TO POLE LUMNAIRES	
52	1"	2#10, 2#10G	POLE LUMINAIRES	LP1A	POWER TO POLE LUMNAIRES	
53						
54						
55						

1

ELECTRICAL CONDUIT & CABLE SCHEDULE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



**AECOM**

**MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15

CIVIL EAST - VOLUME 11A  
BLAKE STATION  
ELECTRICAL  
CONDUIT AND WIRE SCHEDULE

DISCIPLINE: ELECTRICAL

SHEET NAME: E1-BLK-ELE-SCH-503



CODE SUMMARY - CENTER PLATFORM  
LOUISIANA STATION

CODE REFERENCES

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

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)  
5416 SQUARE FEET (NET AREA AFTER STRUCTURAL ELEMENTS, FIXTURES AND PERMANENTLY INSTALLED FURNISHINGS ARE REMOVED)

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 = 5420 S.F. / 15 S.F./OCC = 361  
REQUIRED EGRESS WIDTH = 361 X 0.2 = 72" (PER 1005.3.2)  
WIDTH PROVIDED = 2 RAMPS AT 145" = 290"  
2 MEANS OF EGRESS PROVIDED

NFPA 130 EXITING SUMMARY

FURTHER ANALYSIS REQUIRED

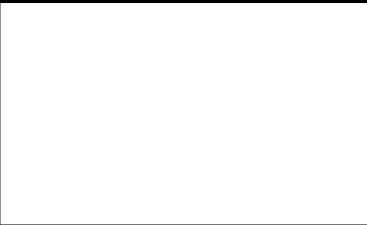
PLATFORM COLOR AND  
FINISH SCHEDULE

SEE STATION SPECIFICATIONS FOR MATERIAL IDENTIFICATION

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	LOUISIANA STATION	PPG 518-6 KNIGHT'S ARMOR	CEMSTONE SPLIT ROCK	TBD	CEMSTONE SPLIT ROCK	TBD	SS CABLE	CLEAR ANODIZED	HUNTER DOUGLAS WOODWRIGHT 8446 CLIPPER TEAK	ALUCOBOND CARAMEL LATTE COOL	TBD

Sep. 25 2015 10:11 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-COD-010.dwg By: MurphysP

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





60% SUBMISSION - 09/28/15



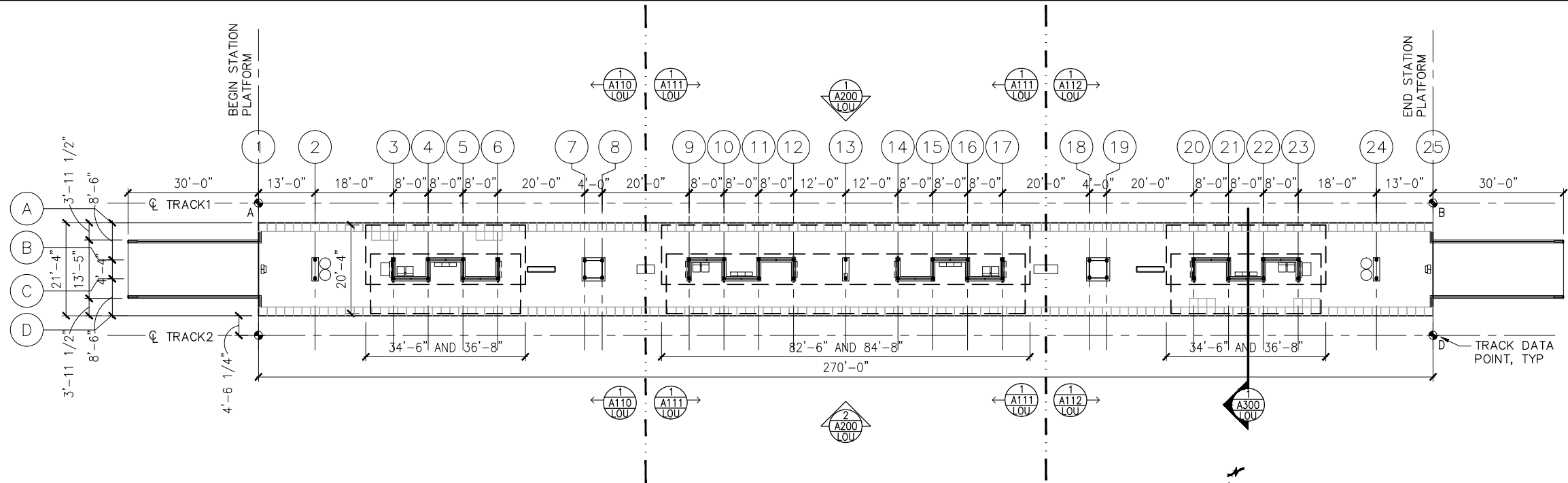
CIVIL EAST - VOLUME 11A  
LOUISIANA STATION  
CODE SUMMARY / FINISH SCHEDULE

DISCIPLINE: ARCHITECTURE

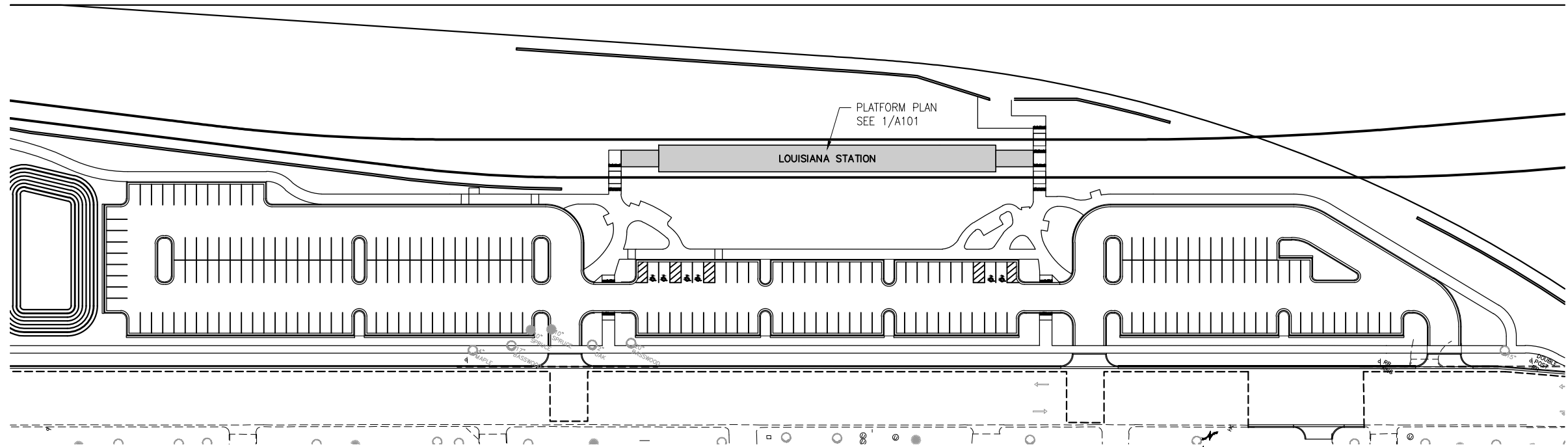
SHEET NAME: E2-LOU-ARC-COD-010



Sep. 21 2015 09:21 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-PLN-101.dwg By: V-IyerN



1 PLATFORM PLAN  
SCALE: 1"=30'



2 STATION AREA PLAN  
SCALE: 1"=100'



TRACK DATA

ELEV 100'-0" (LOCATION ON PLAN)

TRACK 1 EL 100'-0"= xxx.xx (PT 'A')

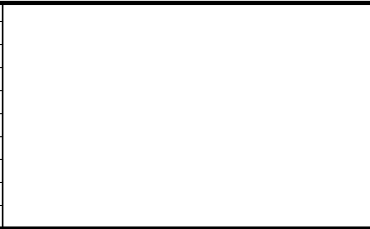
POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING
A	xxx.xx	xxxx+xx.xx
B	xxx.xx	xxxx+xx.xx

TRACK 2 EL 100'-0"= xxx.xx (PT 'C')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING
C	xxx.xx	xxxx+xx.xx
D	xxx.xx	xxxx+xx.xx

SECTION DIAGRAM AT PLATFORM EDGE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



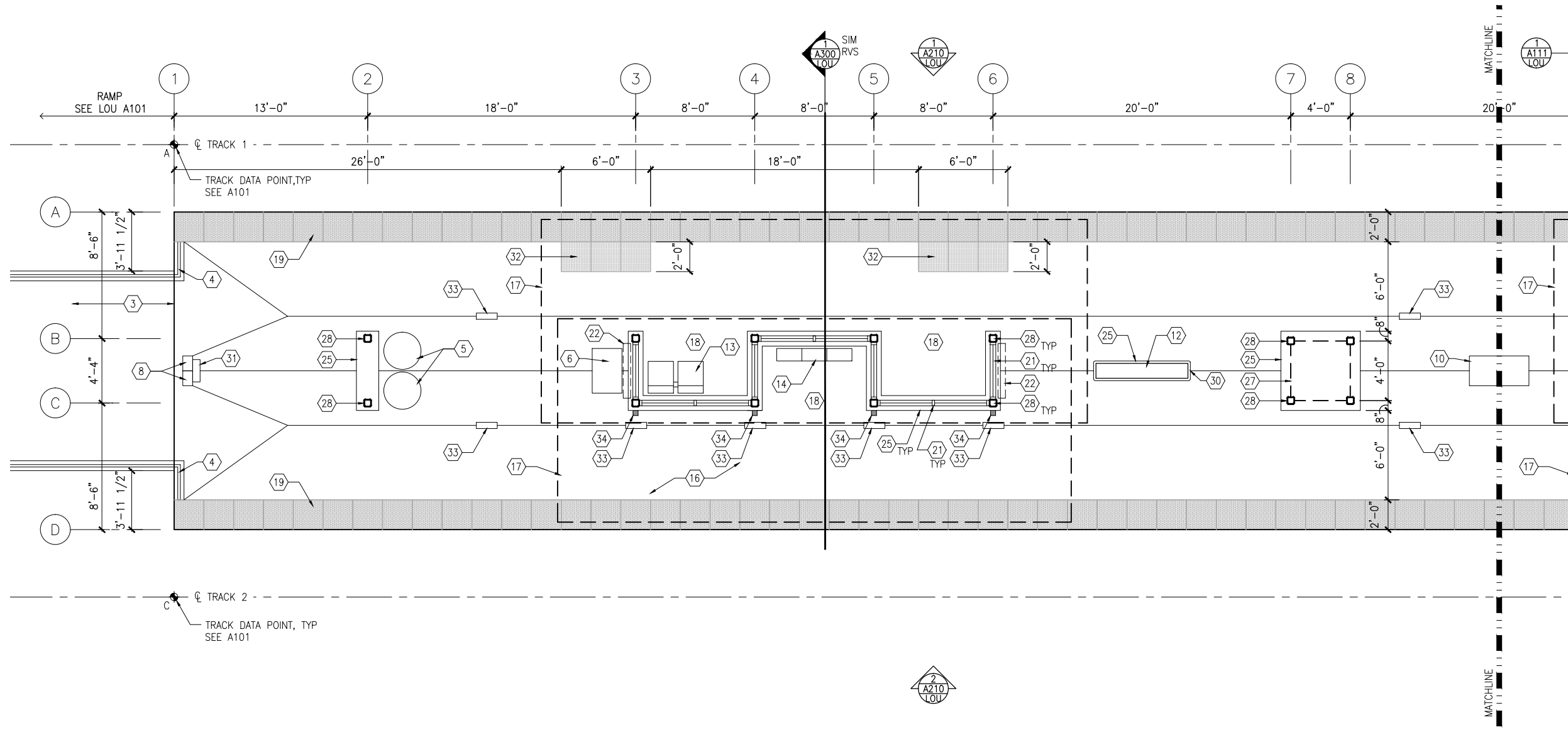
60% SUBMISSION - 09/28/15

CIVIL EAST - VOLUME 11A  
LOUISIANA STATION  
PLATFORM PLAN

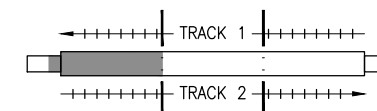
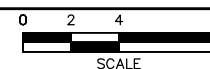
DISCIPLINE: ARCHITECTURE  
SHEET NAME: E2-LOU-ARC-PLN-101



Sep. 21 2015 09:21 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-PLN-110.dwg By: V-IyerN



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



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

## KEY NOTES - (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE (FINAL LOCATIONS ARE TBD)
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
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN
34. PRE-FINISHED METAL DOWNSPOUT

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**LOUISIANA STATION**  
**WEST PARTIAL PLATFORM PLAN**

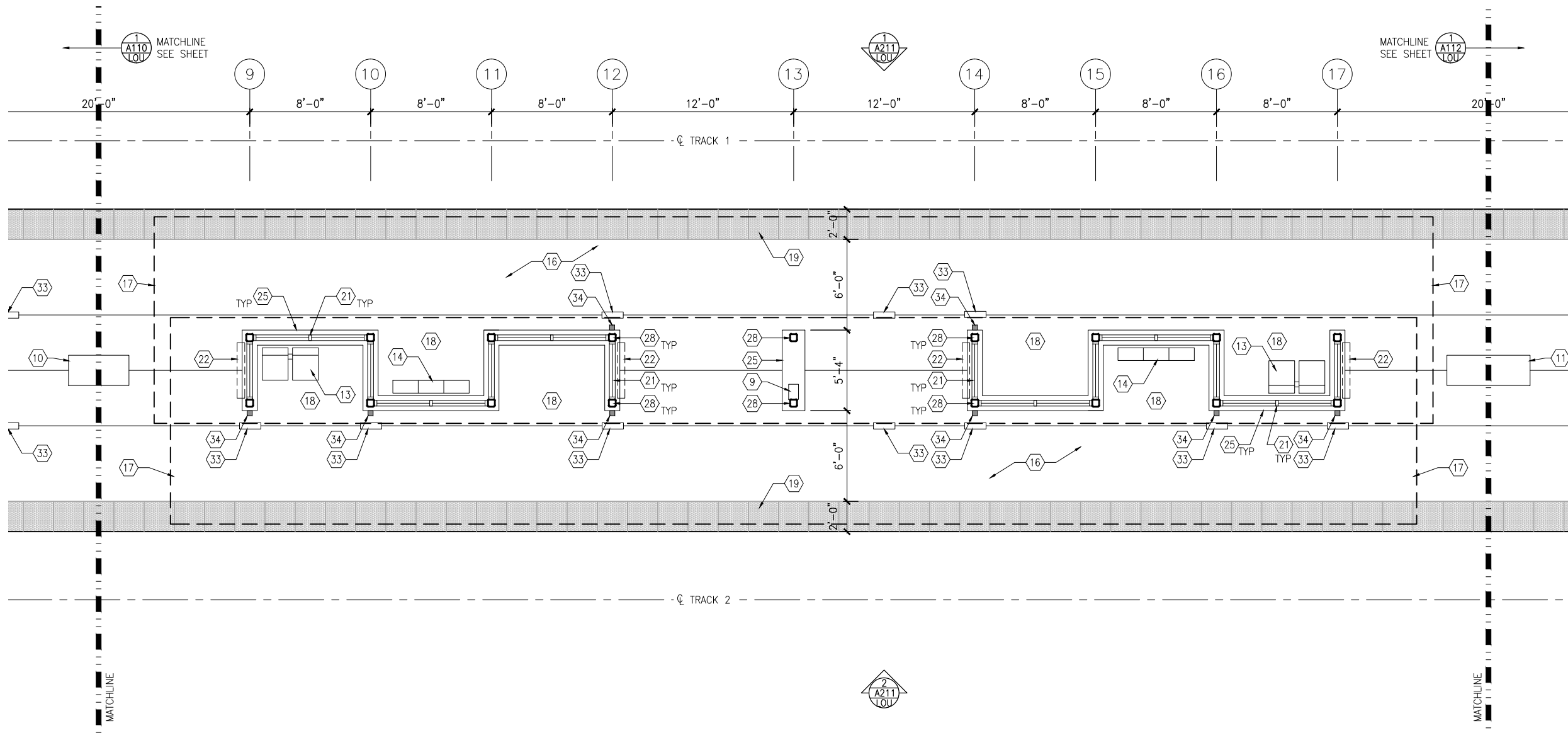
DISCIPLINE: **ARCHITECTURE**

SHEET NAME: **E2-LOU-ARC-PLN-110**

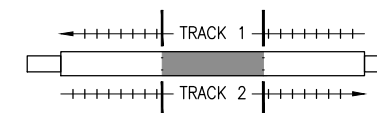
**SHEET**  
**101**  
**OF**  
**319**



Sep. 21 2015 09:22 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-PLN-111.dwg By: V-lyerR



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



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

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE (FINAL LOCATIONS ARE TBD)
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
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN
34. PRE-FINISHED METAL DOWNSPOUT

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**LOUISIANA STATION**  
**MIDDLE PARTIAL PLATFORM PLAN**

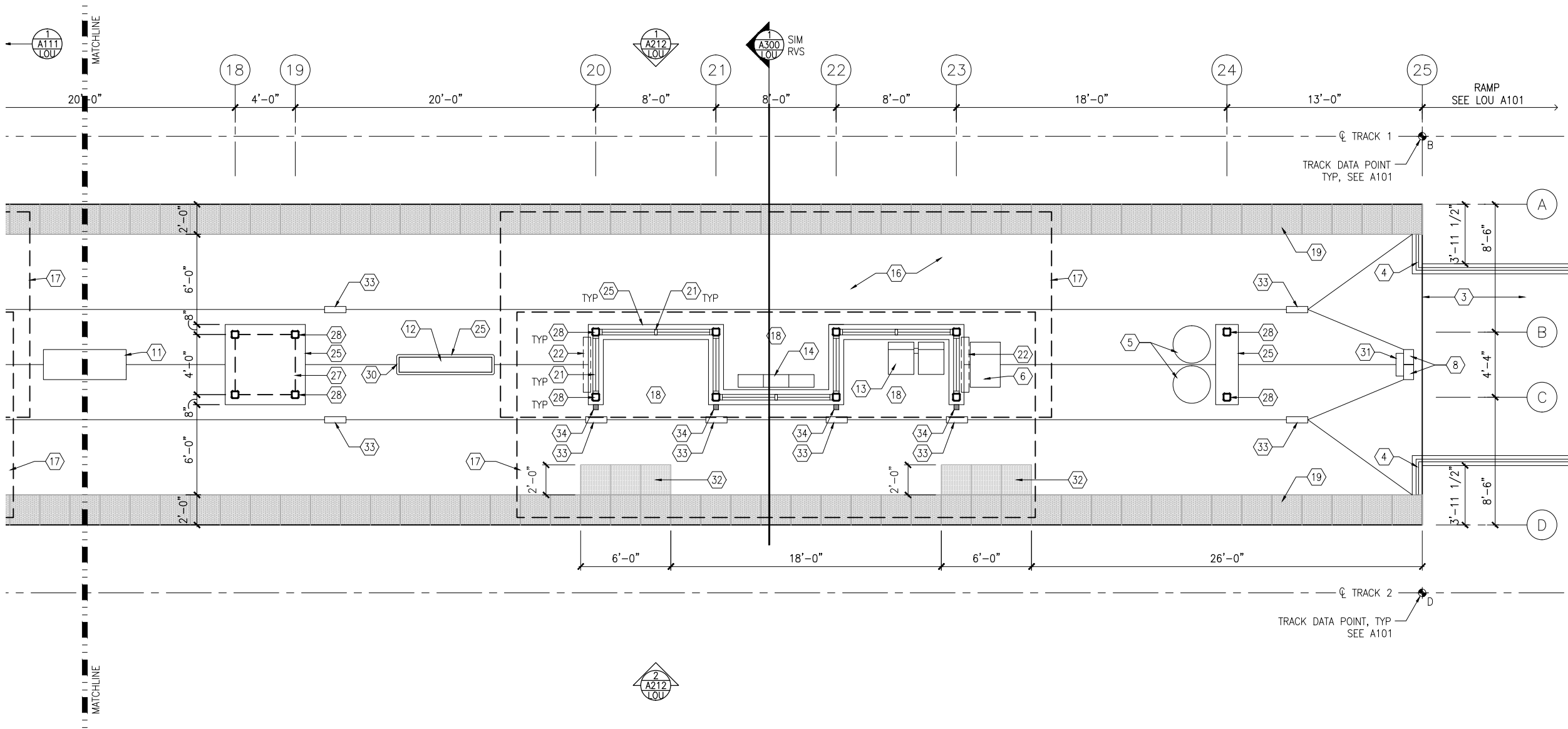
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E2-LOU-ARC-PLN-111**

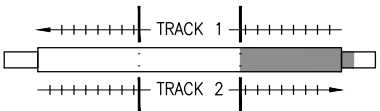
**SHEET**  
**102**  
**OF**  
**319**



Sep. 21 2015 09:22 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-PLN-112.dwg By: V-Iyer



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



KEYPLAN

GENERAL SHEET NOTES

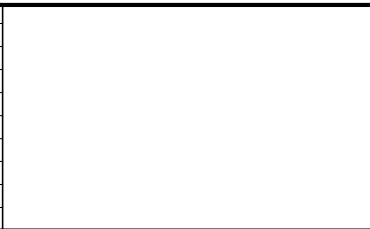
1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS  
2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER  
2. LIGHT MOUNTED TO STRUCTURE  
3. ACCESS RAMP  
4. HAND RAIL  
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE  
6. TICKET VENDING MACHINE  
7. FUTURE TICKET VENDING MACHINE  
8. STORED VALUE VALIDATOR  
9. EMERGENCY CALL BOX  
10. COMMUNICATION CABINET  
11. ELECTRICAL CABINET  
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING  
13. BENCH  
14. LEANING RAIL  
15. OVERHEAD CONTACT SYSTEM  
16. CONCRETE PLATFORM  
17. CANOPY ABOVE  
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS  
19. DETECTABLE WARNING AT BOARDING EDGE  
20. GUARD RAIL AND SAFETY SCREEN  
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM  
22. VARIABLE MESSAGE SIGN ABOVE (FINAL LOCATIONS ARE TBD)  
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  
31. RIDER ALERT PANEL  
32. ADA DOOR POSITION INDICATOR  
33. AREA DRAIN  
34. PRE-FINISHED METAL DOWNSPOUT

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



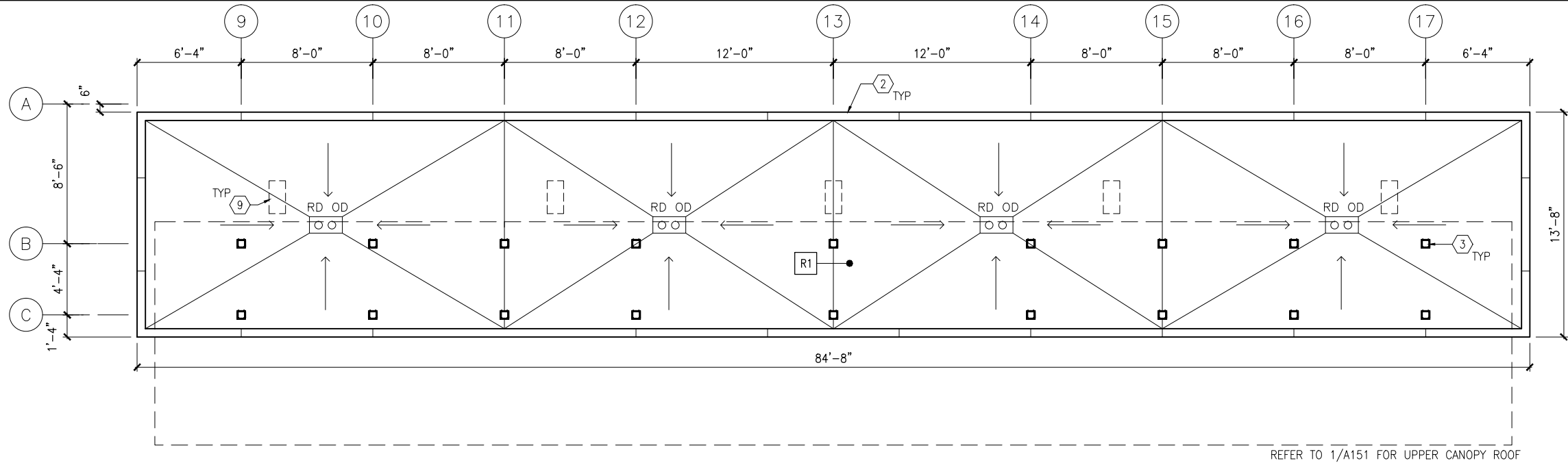
60% SUBMISSION - 09/28/15

CIVIL EAST - VOLUME 11A  
LOUISIANA STATION  
EAST PARTIAL PLATFORM PLAN

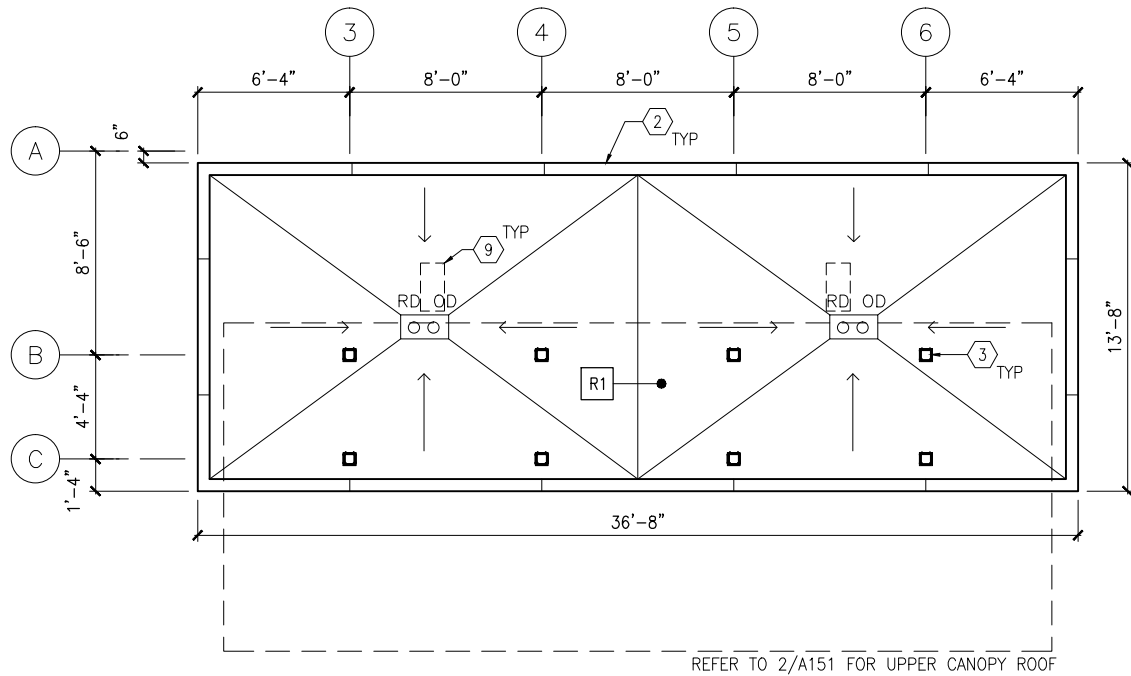
DISCIPLINE: ARCHITECTURE  
SHEET NAME: E2-LOU-ARC-PLN-112



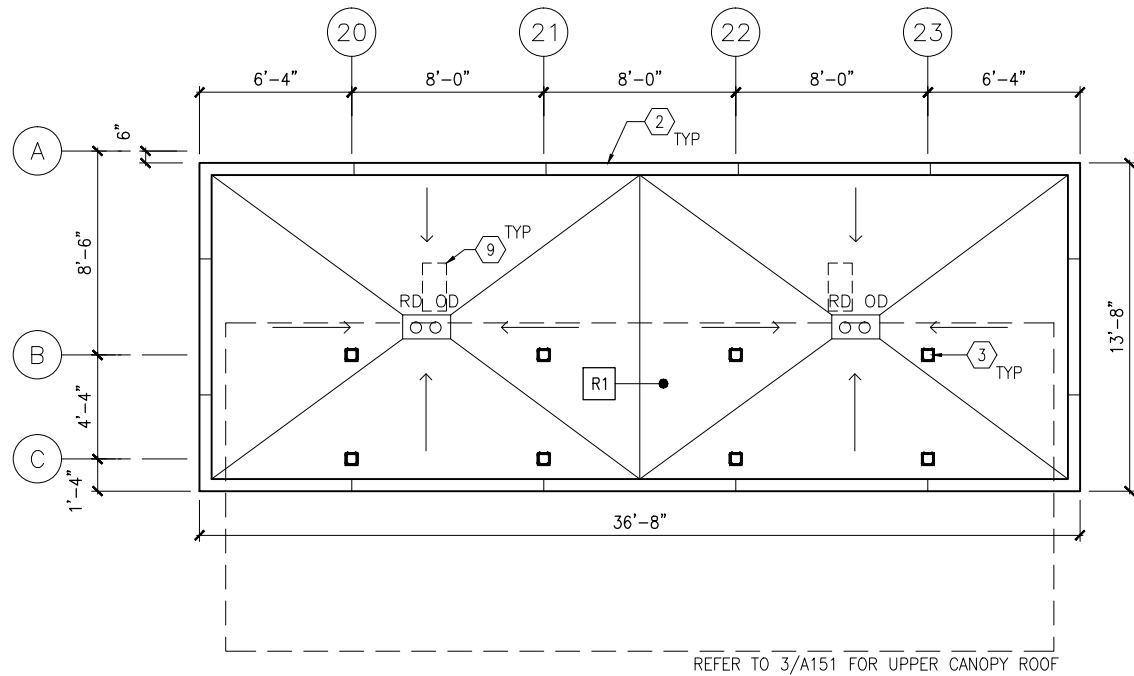
Sep. 21 2015 09:23 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-PLN-150 .dwg By: V-ljyeR



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

## GENERAL SHEET NOTES

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- ROOF SLOPE IS 1/8" PER FT UNO

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

- ALUMINUM STOREFRONT AND TRANSLUCENT GLAZING SYSTEM
- ALUMINUM COMPOSITE PANEL COPING
- STEEL COLUMN - SEE STRUCTURAL
- STEEL BEAM ABOVE - SEE STRUCTURAL
- PREFINISHED METAL SCUPPER
- PREFINISHED METAL GUTTER, SLOPE TO DOWNSPOUTS
- ROOF BASE FLASHING
- SUMP
- CONCRETE SPLASH BLOCK
- PRE-FINISHED METAL DOWNSPOUT
- ROOF EXPANSION JOINT
- BUILDING EXPANSION JOINT
- VENT THROUGH ROOF - SEE PLUMB
- INTEGRAL ROOF GUTTER - SLOPE TO DOWNSPOUTS BELOW
- 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<sub>1</sub> INSULATION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**LOUISIANA STATION**  
**LOWER ROOF PLANS**

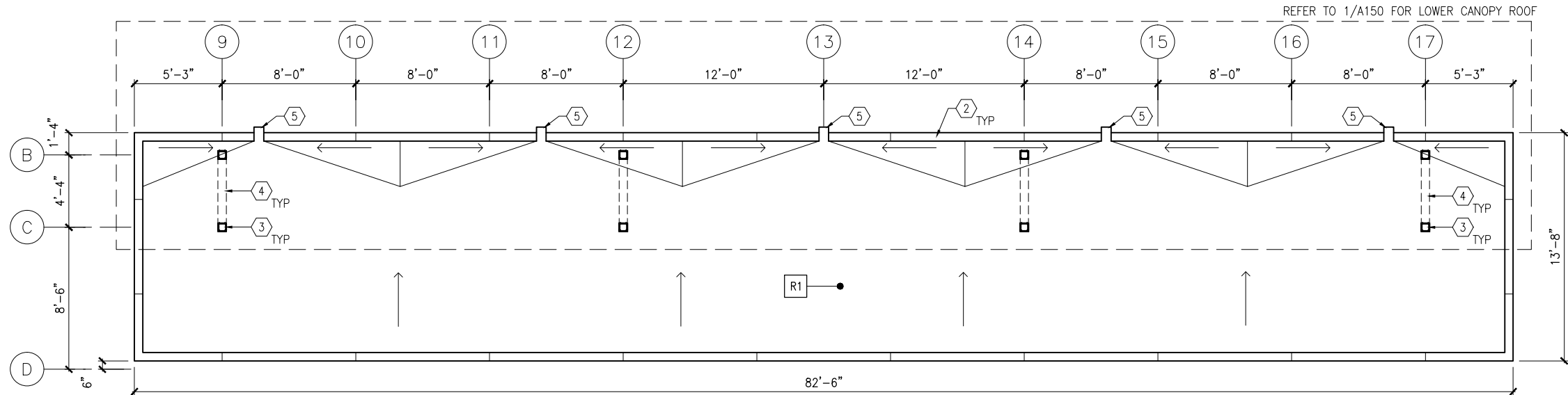
DISCIPLINE: **ARCHITECTURE**

SHEET NAME: **E2-LOU-ARC-PLN-150**

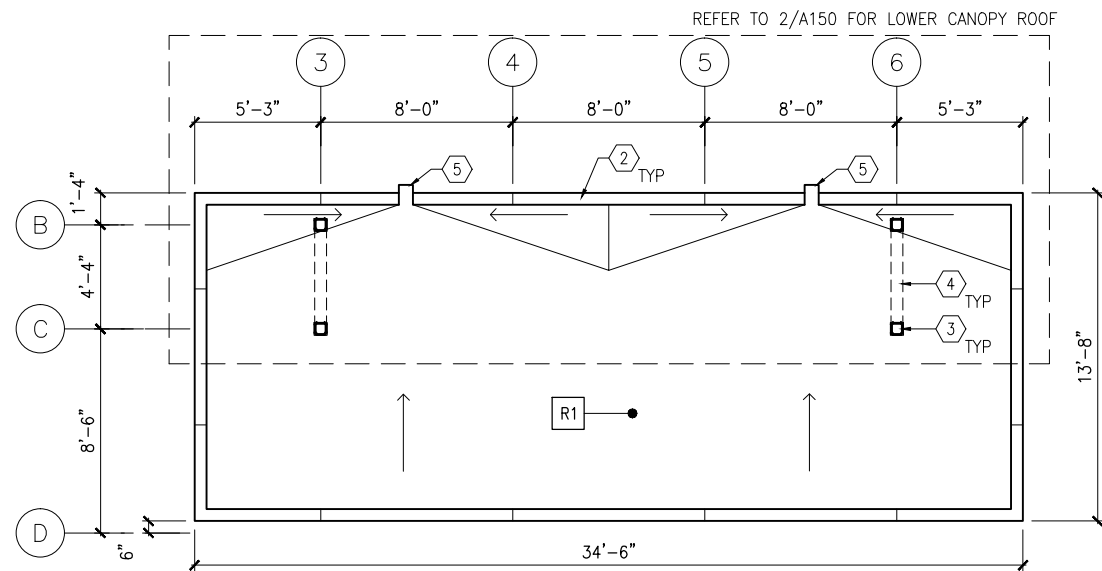
**SHEET**  
**104**  
**OF**  
**319**



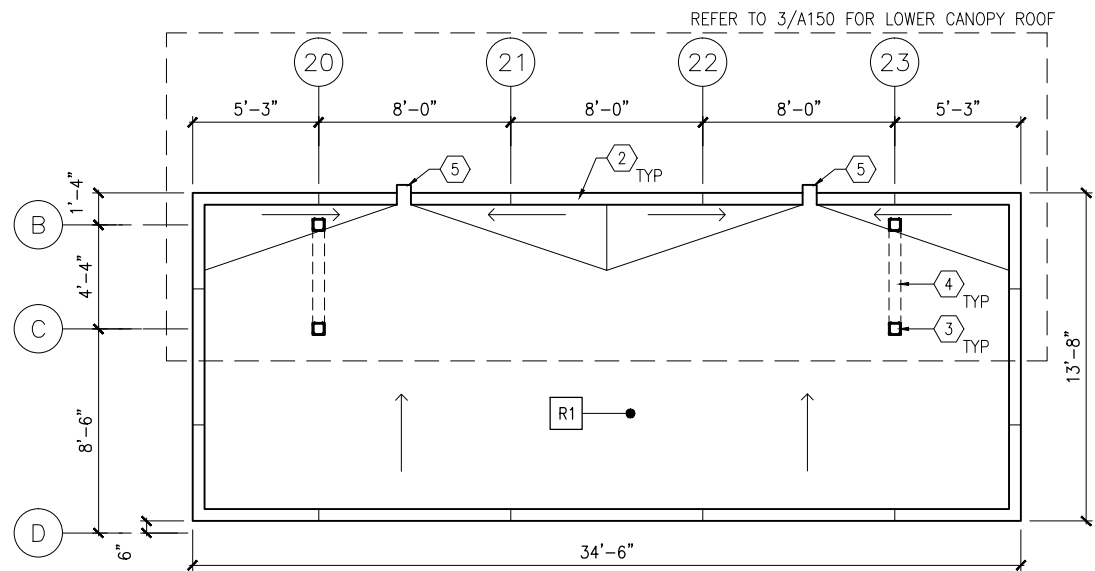
Sep. 21 2015 09:23 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-PLN-151.dwg By: V-lyerN



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

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- ROOF SLOPE IS 1/8" PER FT UNO

## KEY NOTES – #

NOTE: ALL KEYNOTES MAY NOT BE USED

- ALUMINUM STOREFRONT AND TRANSLUCENT GLAZING SYSTEM
- ALUMINUM COMPOSITE PANEL COPING
- STEEL COLUMN – SEE STRUCTURAL
- STEEL BEAM ABOVE – SEE STRUCTURAL
- PREFINISHED METAL SCUPPER
- PREFINISHED METAL GUTTER, SLOPE TO DOWNSPOUTS
- ROOF BASE FLASHING
- SUMP
- CONCRETE SPLASH BLOCK
- PRE-FINISHED METAL DOWNSPOUT
- ROOF EXPANSION JOINT
- BUILDING EXPANSION JOINT
- VENT THROUGH ROOF – SEE PLUMB
- INTEGRAL ROOF GUTTER – SLOPE TO DOWNSPOUTS BELOW
- 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<sub>u</sub> INSULATION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
LOUISIANA STATION  
UPPER ROOF PLANS**

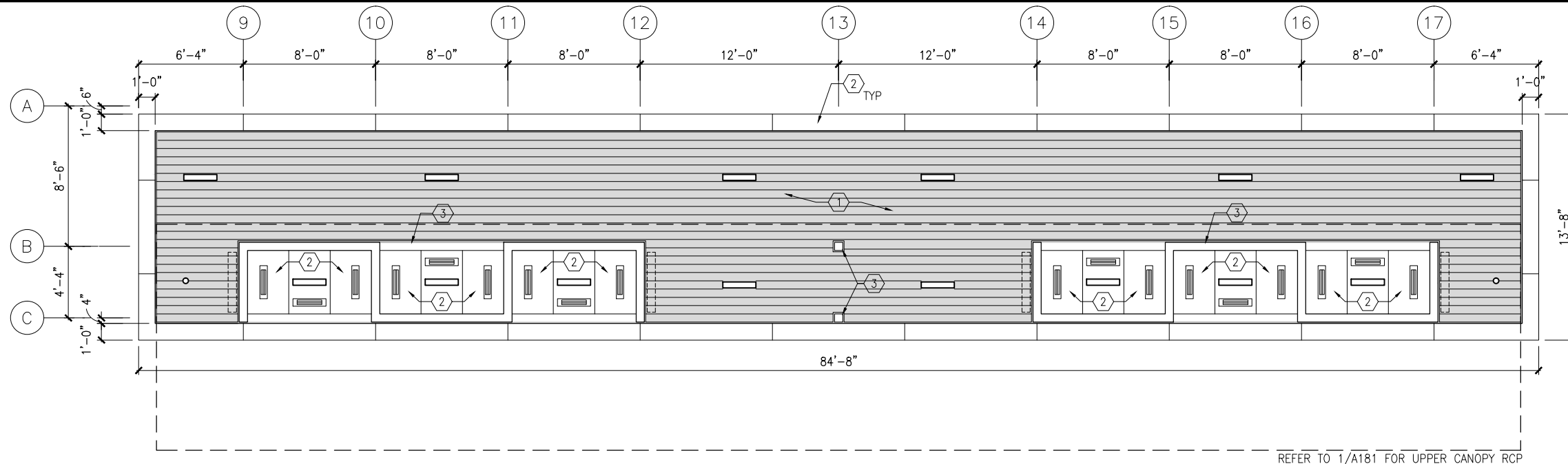
DISCIPLINE: **ARCHITECTURE**

SHEET NAME: **E2-LOU-ARC-PLN-151**

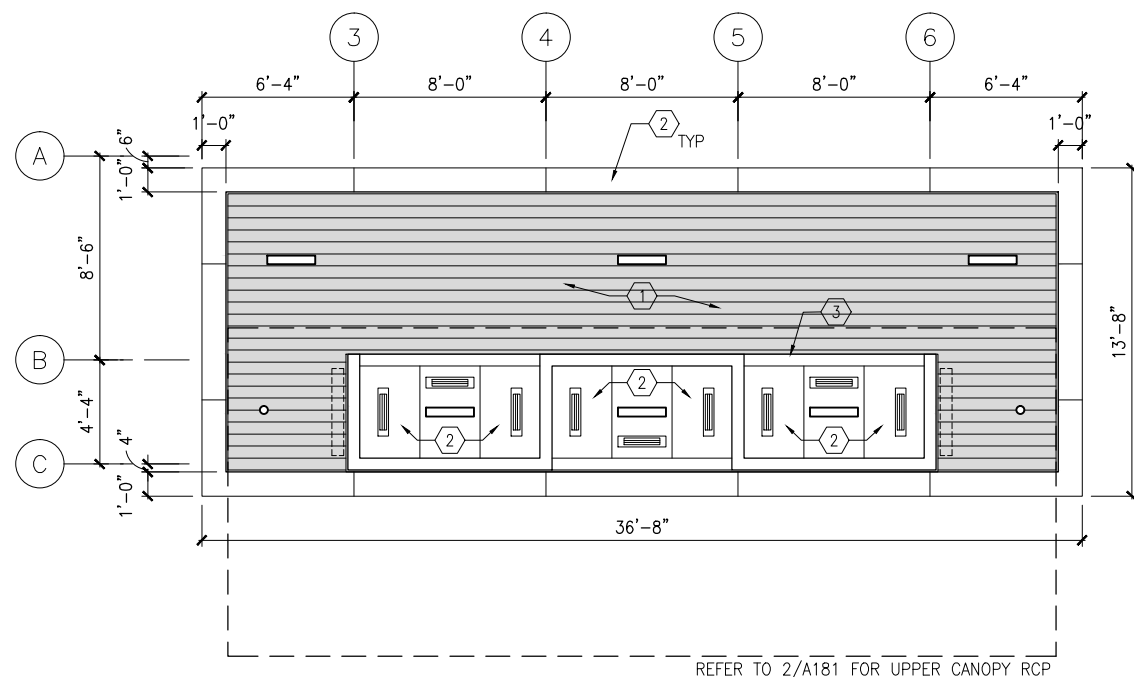
**SHEET  
105  
OF  
319**



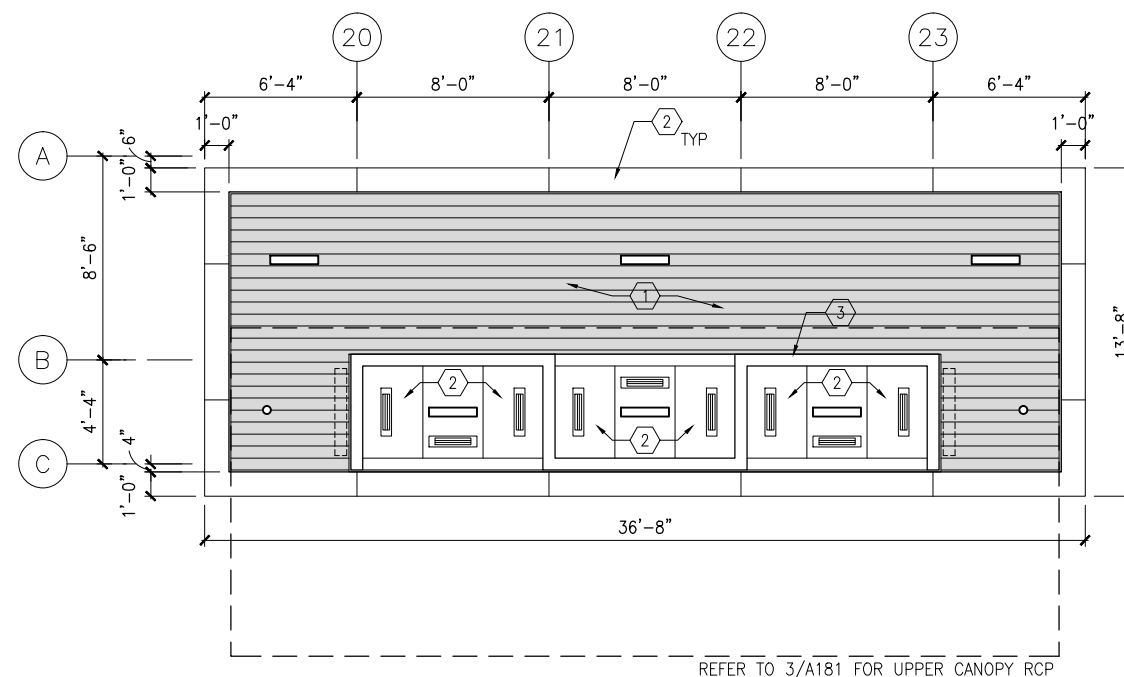
Sep. 21 2015 09:24 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-RCP-180 .dwg By: V-lyerN



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

## 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. PRECAST CONCRETE WALKWAY – SEE STRUCTURAL
  5. PRECAST CONCRETE STAIR – SEE STRUCTURAL
  6. EXPOSED STRUCTURE – SEE STRUCTURAL
  7. ACOUSTIC CEILING
  8. HINGED PANELS FOR EQUIPMENT ACCESS

## LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- SPEAKER
- MICROPHONE
- SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- LAY-IN CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING

NO.	DATE	BY	CHECK/DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**LOUISIANA STATION**  
**REFLECTED CEILING PLANS**

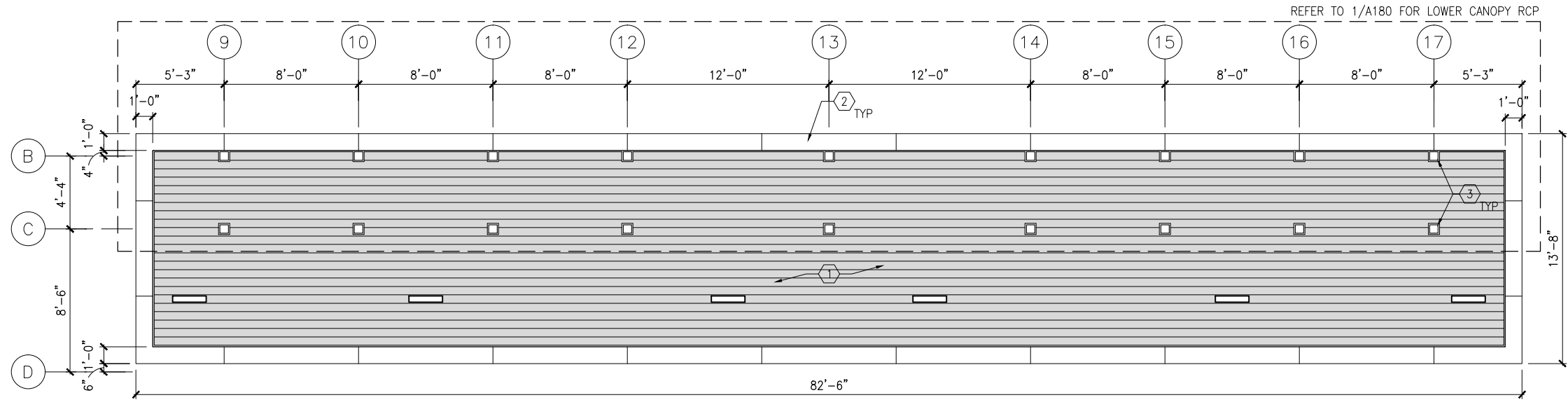
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E2-LOU-ARC-RCP-180**

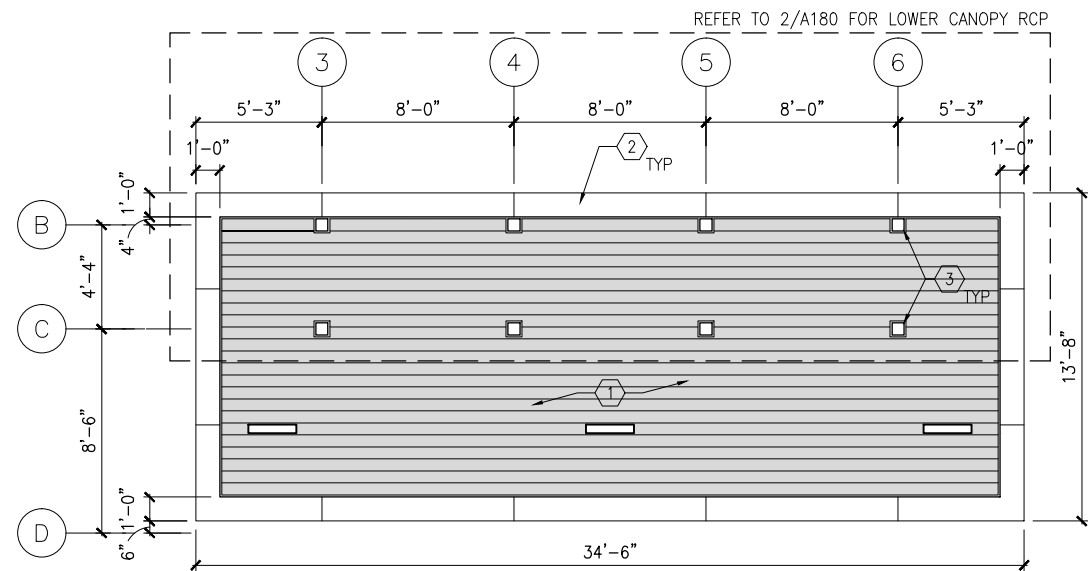
**SHEET**  
**106**  
**OF**  
**319**



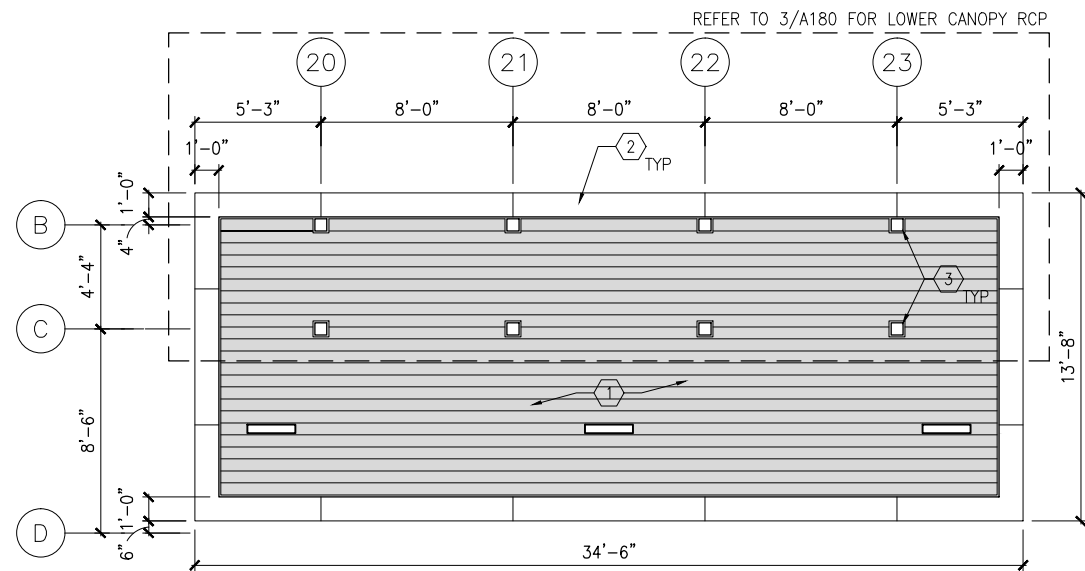
Sep. 21 2015 09:24 am v:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-RCP-181.dwg By: V-IyerN



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

## 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. PRECAST CONCRETE WALKWAY – SEE STRUCTURAL
5. PRECAST CONCRETE STAIR – SEE STRUCTURAL
6. EXPOSED STRUCTURE – SEE STRUCTURAL
7. ACOUSTIC CEILING
8. HINGED PANELS FOR EQUIPMENT ACCESS

## LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- SPEAKER
- MICROPHONE
- SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- LAY-IN CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING

NO.	DATE	BY	CHECK/DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**LOUISIANA STATION**  
**REFLECTED CEILING PLANS**

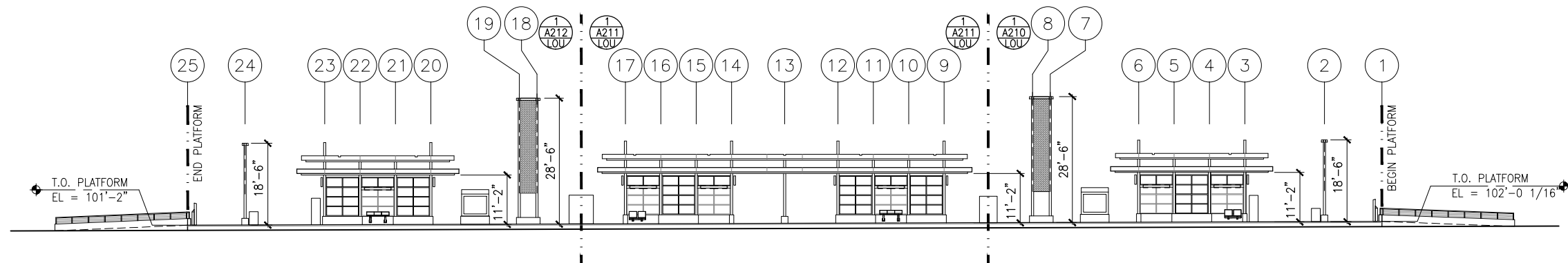
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E2-LOU-ARC-RCP-181**

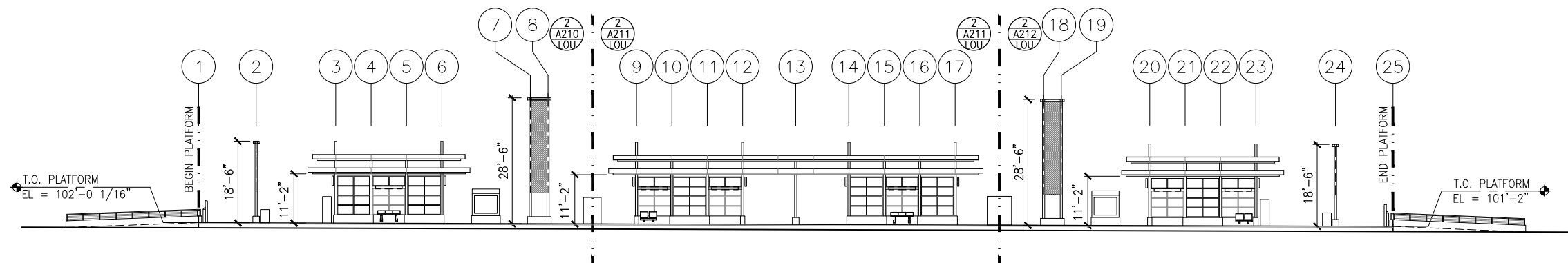
**SHEET**  
**107**  
**OF**  
**319**



Sep. 21 2015 09:25 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-ELV-200.dwg By: V-lyerN



1 TRACK 1 ELEVATION  
SCALE: 1"=30' 0 7.5 15 30 (-0.31% SLOPE)\*  
SCALE



2 TRACK 2 ELEVATION  
SCALE: 1"=30' 0 7.5 15 30 (-0.31% SLOPE)\*  
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

\*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
LOUISIANA STATION  
ELEVATIONS**

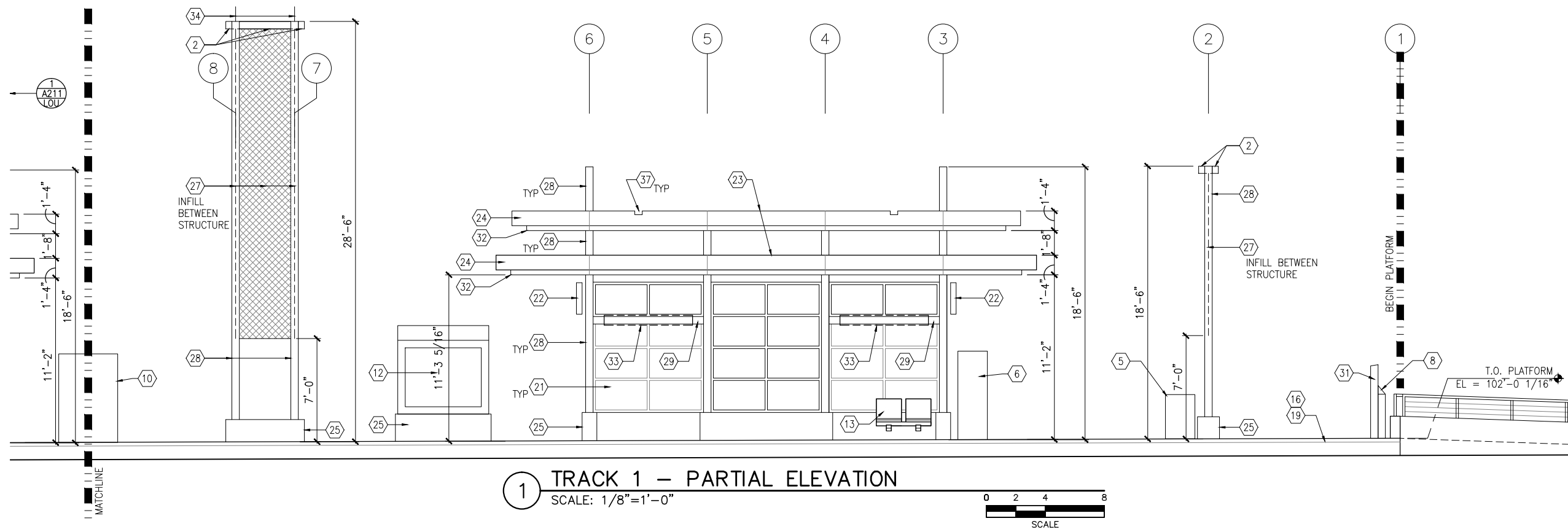
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E2-LOU-ARC-ELV-200**

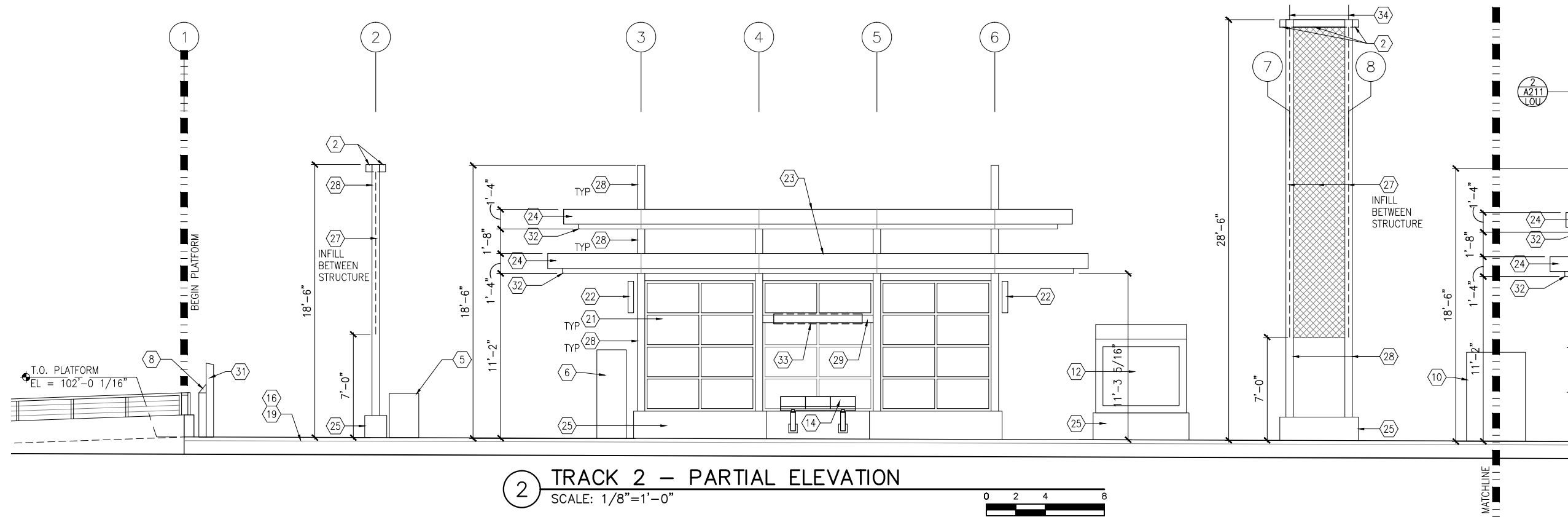
**SHEET  
108  
OF  
319**



Sep. 21 2015 09:25 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-ELV-210.dwg By: V-IyerN



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



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



## 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

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
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
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 - SEE STRUCT
36. PRE-FINISHED METAL DOWNSPOUT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. RAIN WATER LEADER - SEE PLUMBING
41. NOT USED
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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**LOUISIANA STATION**  
**WEST PARTIAL ELEVATIONS**

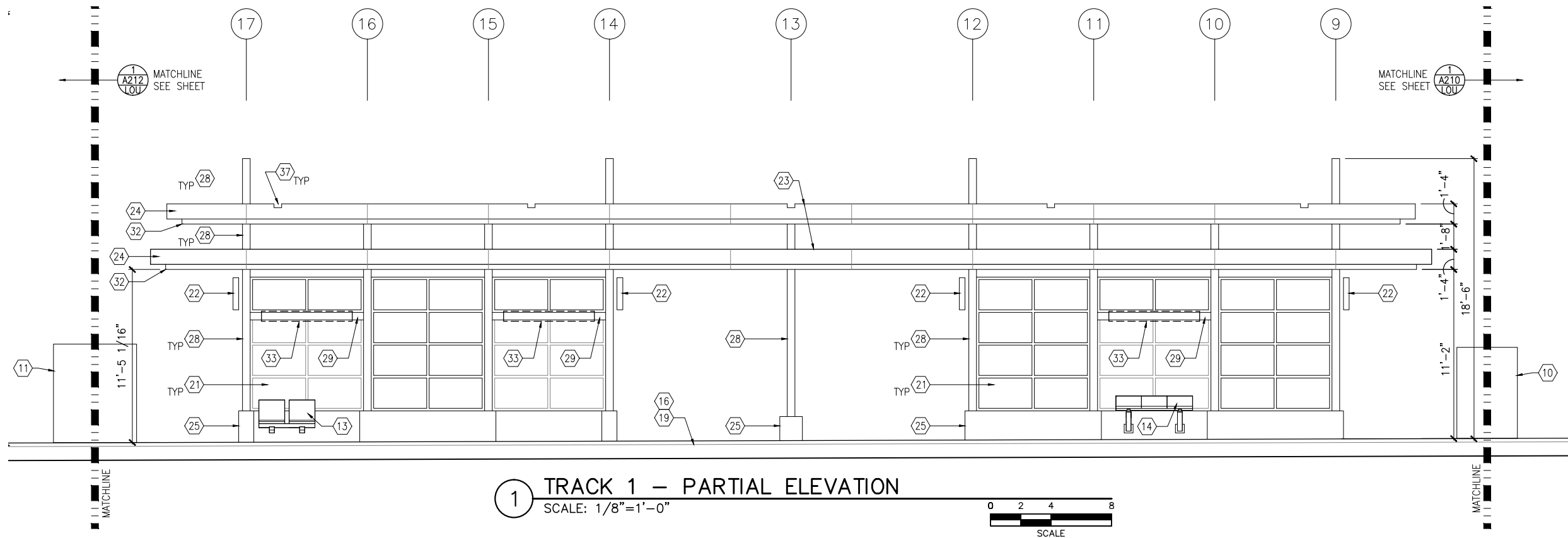
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E2-LOU-ARC-ELV-210**

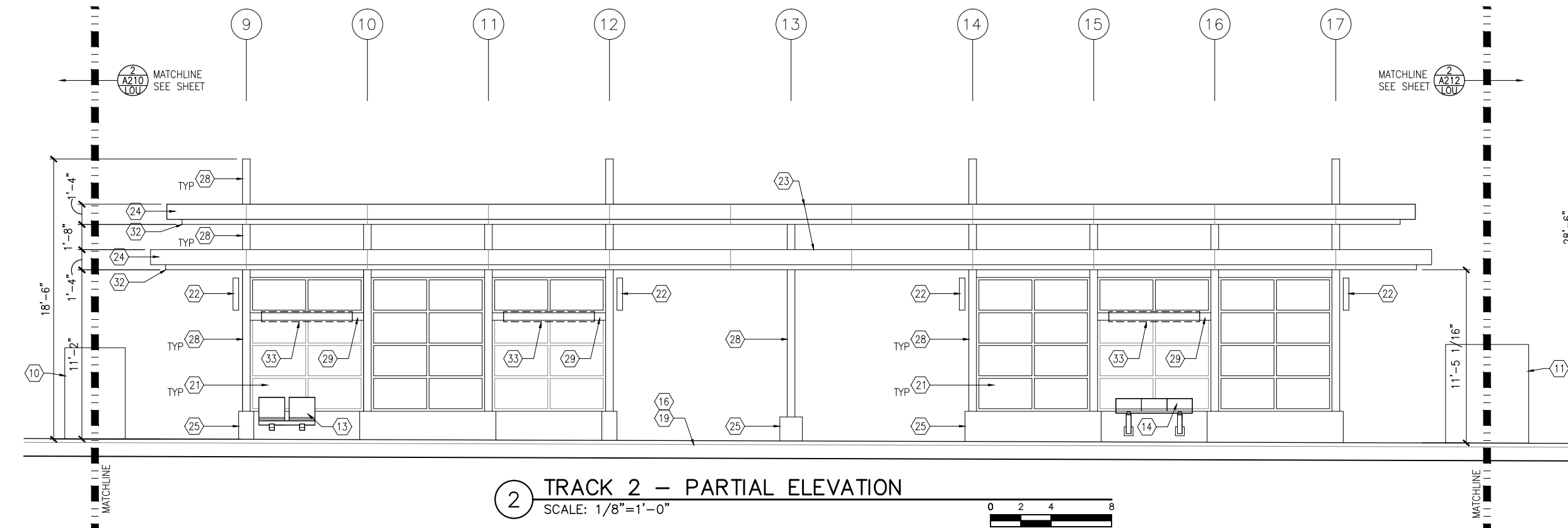
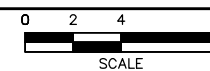
**SHEET**  
**109**  
**OF**  
**319**



Sep. 21 2015 09:26 am v:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-ELV-211.dwg By: V-IyerN



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



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



## 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

## KEY NOTES – #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
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
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 – SEE STRUCT
36. PRE-FINISHED METAL DOWNSPOUT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. RAIN WATER LEADER – SEE PLUMBING
41. NOT USED
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

**AECOM**



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**LOUISIANA STATION**  
**MIDDLE PARTIAL ELEVATIONS**

DISCIPLINE:  
**ARCHITECTURE**

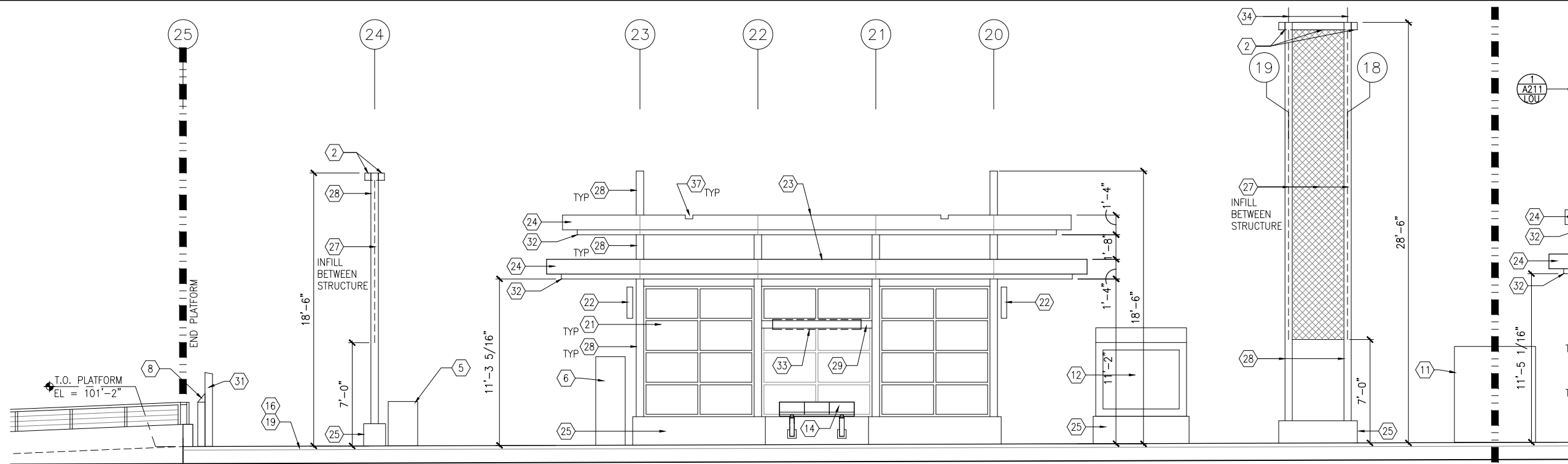
SHEET NAME:  
**E2-LOU-ARC-ELV-211**

**SHEET**  
**110**  
**OF**  
**319**

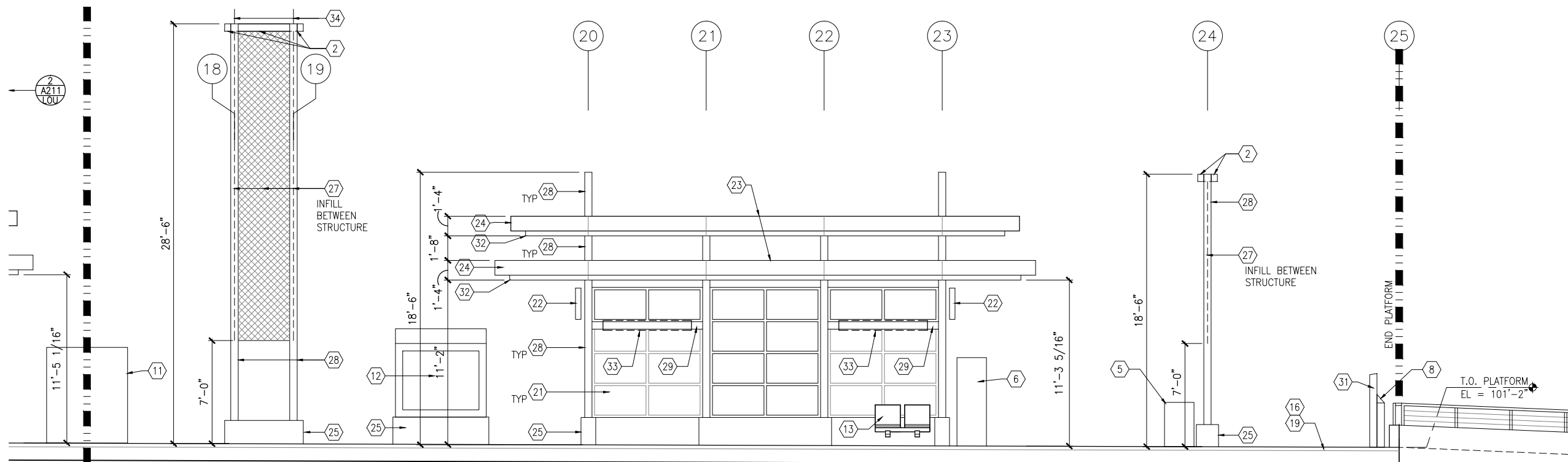
**60% SUBMISSION - 09/28/15**



Sep. 21 2015 09:26 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-ELV-212.dwg By: V-IyerN



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



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



## GENERAL SHEET NOTES

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

- ENTRY MARKER
- LIGHT MOUNTED TO STRUCTURE
- ACCESS RAMP
- HAND RAIL
- TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
- TICKET VENDING MACHINE
- FUTURE TICKET VENDING MACHINE
- STORED VALUE VALIDATOR
- EMERGENCY CALL BOX
- COMMUNICATION CABINET
- ELECTRICAL CABINET
- INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
- BENCH
- LEANING RAIL
- OVERHEAD CONTACT SYSTEM
- CONCRETE PLATFORM
- CANOPY ABOVE
- SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
- DETECTABLE WARNING AT BOARDING EDGE
- GUARD RAIL AND SAFETY SCREEN
- ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- ROOFING - REFER TO ROOF PLAN FOR ROOFING TYPE
- ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
- CONCRETE WALL
- TRANSLUCENT PLASTIC PANEL
- ARCHITECTURAL WOVEN MESH
- STEEL COLUMN - SEE STRUCTURAL
- STEEL BEAM - SEE STRUCTURAL
- WALL HYDRANT
- RIDER ALERT PANEL
- EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
- STATION SIGNAGE
- LIGHTNING ROD - SEE ELECTRICAL
- PC CONC WALL PANEL - SEE STRUCT
- PRE-FINISHED METAL DOWNSPOUT
- PRE-FIN. METAL SCUPPER
- PRE-FINISHED LOUVER
- LOUVER WITH MOTORIZED DAMPER
- RAIN WATER LEADER - SEE PLUMBING
- NOT USED
- SECONDARY STEEL FRAMING - SEE STRUCTURAL
- DOOR - SEE DOOR SCHEDULE
- PC CONC WALKWAY - SEE STRUCT
- PC CONC STAIR - SEE STRUCT
- PRE-FINISHED METAL GUTTER

NO.	DATE	BY	CHECK/DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**LOUISIANA STATION**  
**EAST PARTIAL ELEVATIONS**

DISCIPLINE: **ARCHITECTURE**

SHEET NAME: **E1-LOU-ARC-ELV-212**

**SHEET**

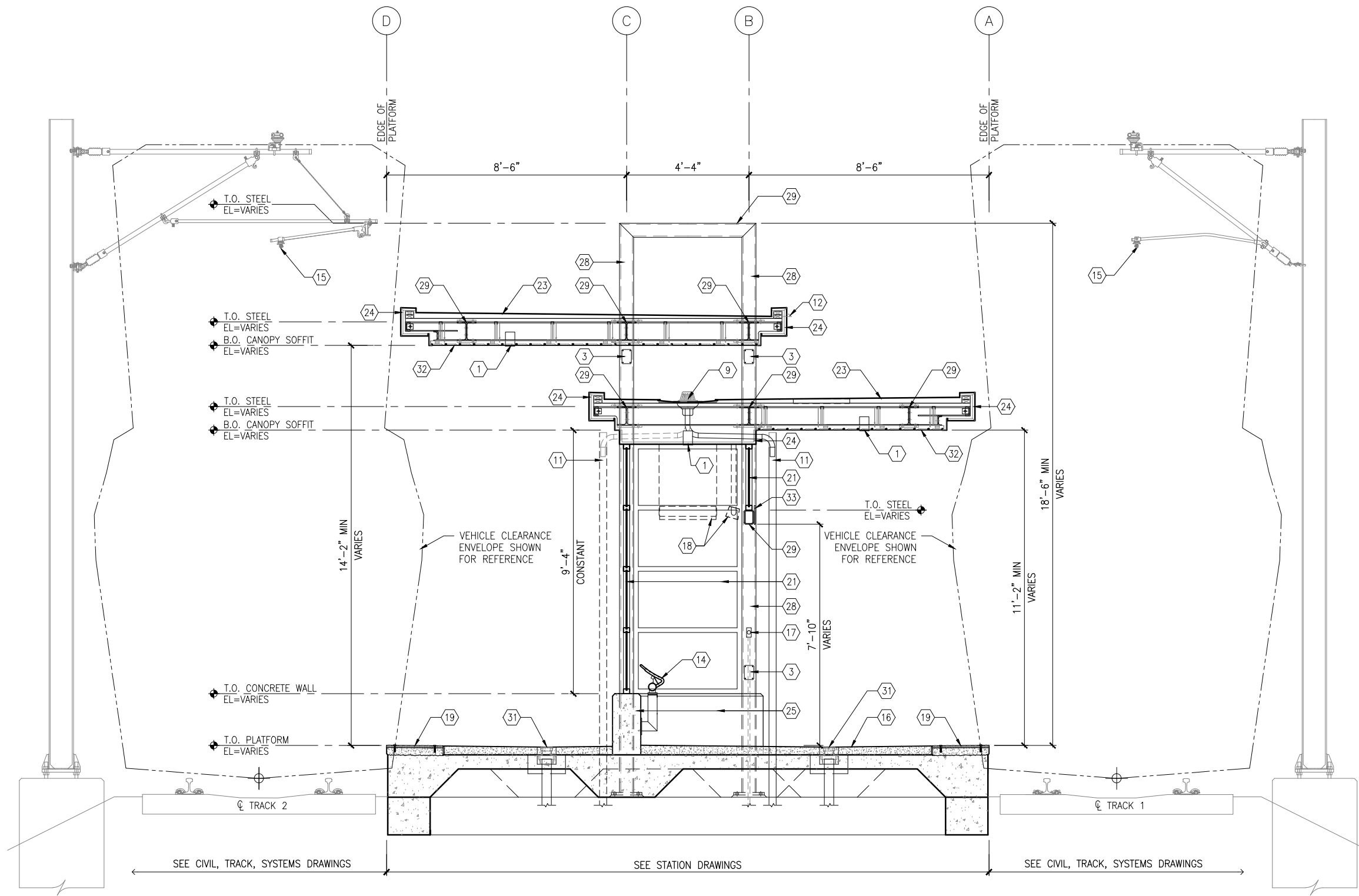
**111**

**OF**

**319**



Sep. 21 2015 09:27 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\LOUISIANA STATION\E2-LOU-ARC-SCT-300.dwg By: V-ljeyN



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



## 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

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT
2. LIGHT MOUNTED TO STRUCTURE
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA
6. TICKET VENDING MACHINE
7. EMERGENCY TELEPHONE LIGHT
8. EMERGENCY CALL BOX
9. ROOF DRAIN
10. PRE-FINISHED METAL GUTTER
11. PRE-FINISHED METAL DOWNSPOUT
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. HEATER PUSH BUTTON CONTROLS
18. INFRARED HEATER
19. DETECTABLE WARNING PAVER AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
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
31. AREA DRAIN
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

## LEGEND

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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**LOUISIANA STATION**  
**TYPICAL PLATFORM SECTION**

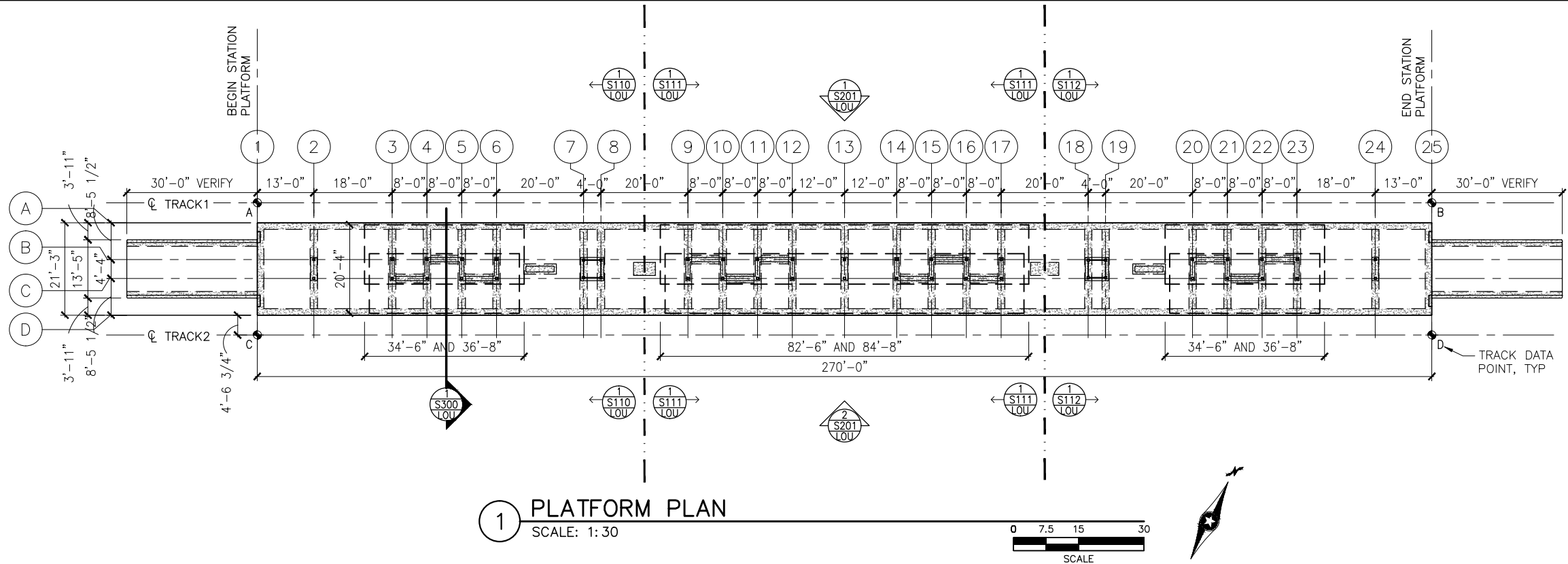
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E2-LOU-ARC-SCT-300**

**SHEET**  
**112**  
**OF**  
**319**



Sep. 21 2015 08:49 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Louisiana\CAD\STR\E2-LOU-STR-PLN-101.dwg By: pepins



TRACK DATA

ELEV 100'-0" (LOCATION ON PLAN)

TRACK 1 EL 100'-0"=      xxx.xx (PT 'A')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING
A	xxx.xx	xxxx+xx.xx
B	xxx.xx	xxxx+xx.xx

TRACK 2 EL 100'-0"=      xxx.xx (PT 'C')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING
C	xxx.xx	xxxx+xx.xx
D	xxx.xx	xxxx+xx.xx

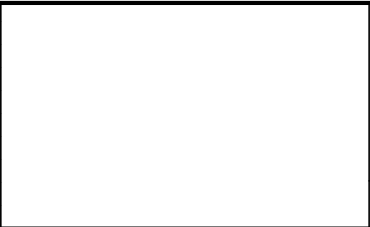
T.O. PLATFORM

T.O. PLATFORM

T.O. RAIL  
(A,B,C,D)

SECTION DIAGRAM AT PLATFORM EDGE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



AECOM

60% SUBMISSION - 9/28/15

METROPOLITAN  
C O U N C I L

SOUTHWEST

Green Line LRT Extension

CIVIL EAST - VOLUME 11A

LOUISIANA STATION

PLATFORM PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E2-LOU-STR-PLN-101

SHEET

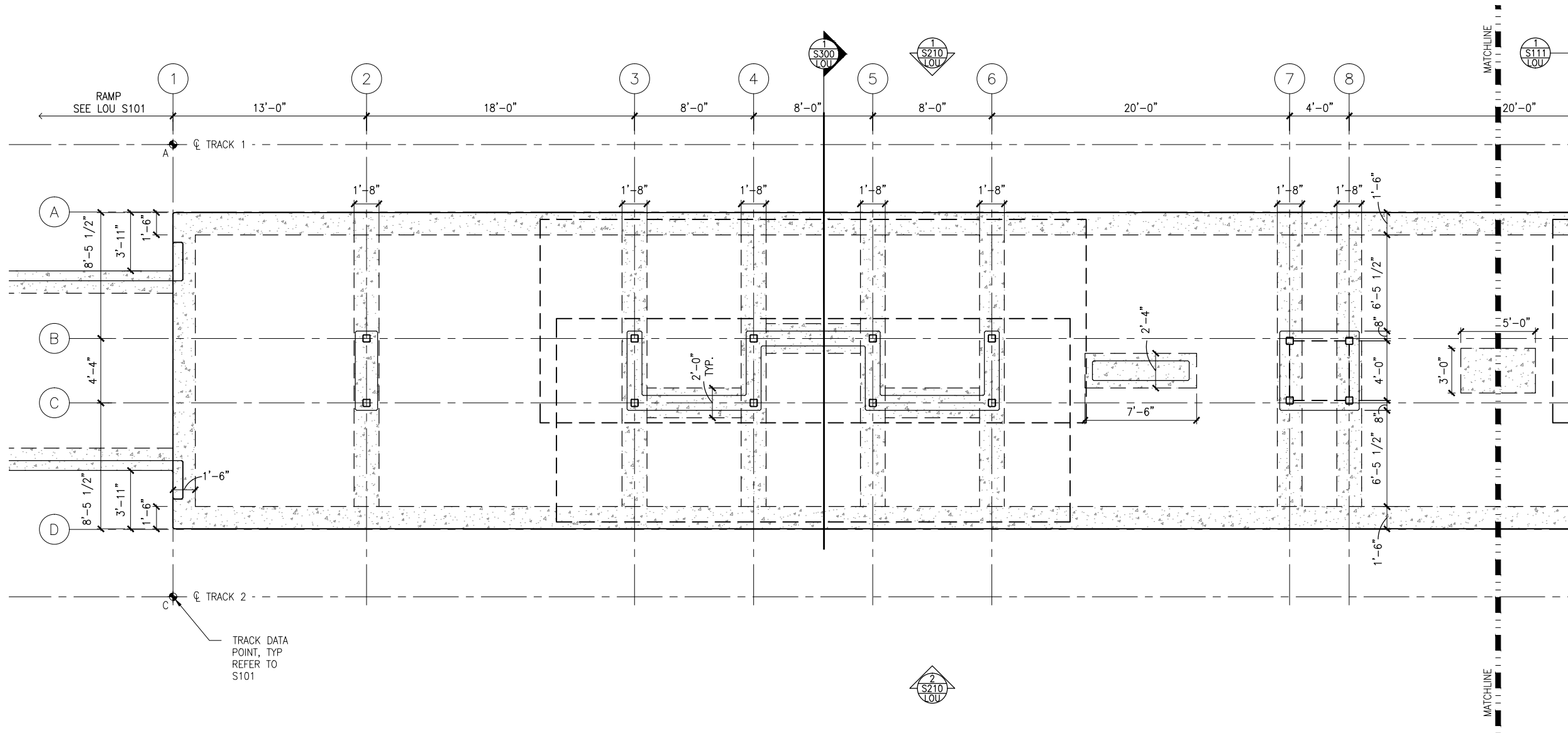
113

OF

319



Sep. 21 2015 08:50 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Louisiana\CAD\STR\E2-LOU-STR-PLN-110.dwg By: pepins



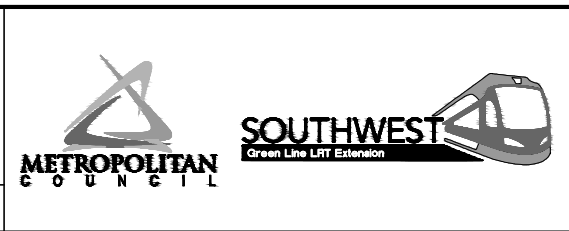
1 WEST PARTIAL FOUNDATION PLAN  
SCALE: 1/8"=1'-0"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15



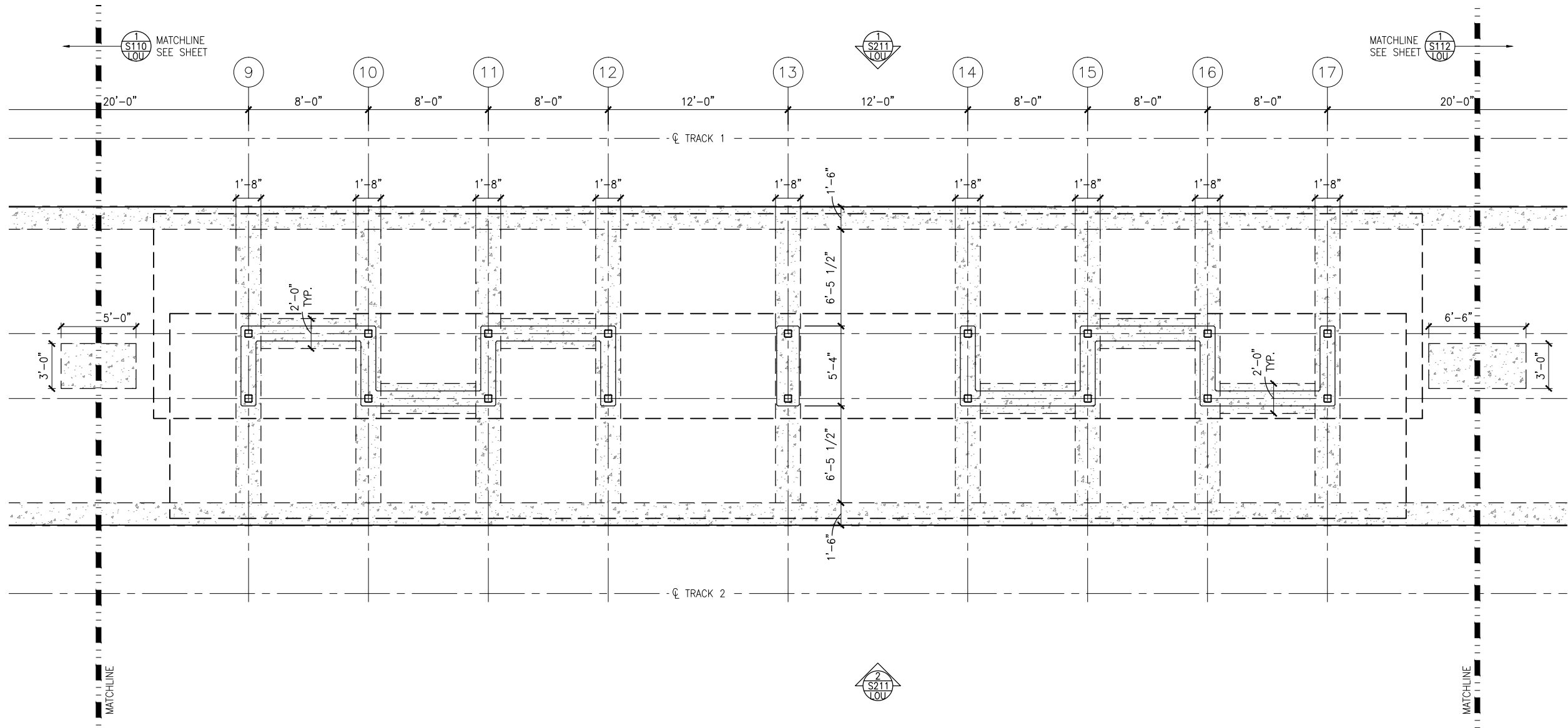
CIVIL EAST - VOLUME 11A  
LOUISIANA STATION  
WEST PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES  
SHEET NAME: E2-LOU-STR-PLN-110

SHEET  
114  
OF  
319



Sep. 21 2015 08:51 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Louisiana\CAD\STR\E2-LOU-STR-PLN-111.dwg By: pepins



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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15



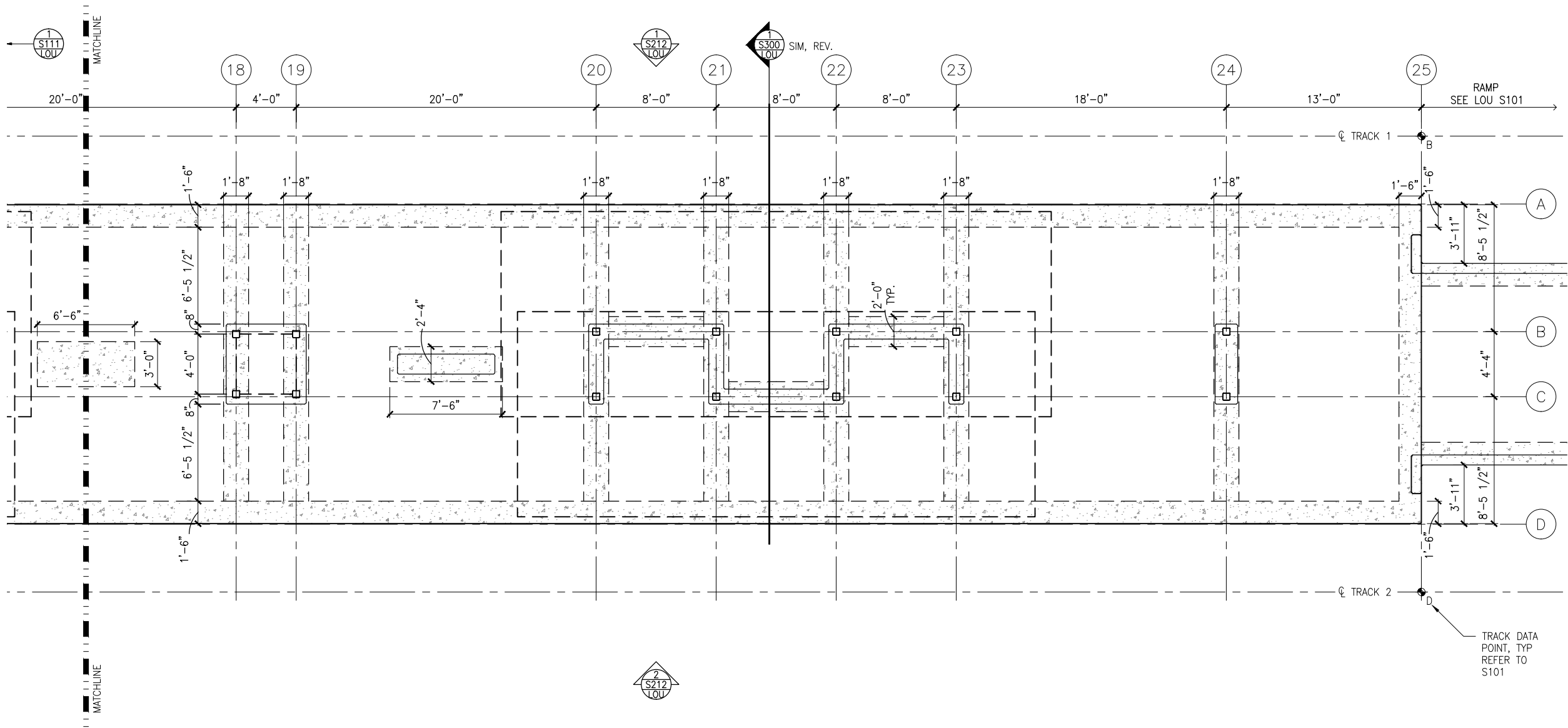
CIVIL EAST - VOLUME 11A  
LOUISIANA STATION  
MIDDLE PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES  
SHEET NAME: E2-LOU-STR-PLN-111

SHEET  
115  
OF  
319



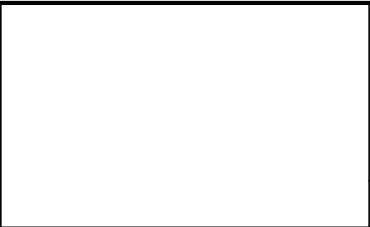
Sep. 21 2015 08:51 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Louisiana\CAD\STR\E2-LOU-STR-PLN-112.dwg By: pepins



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15

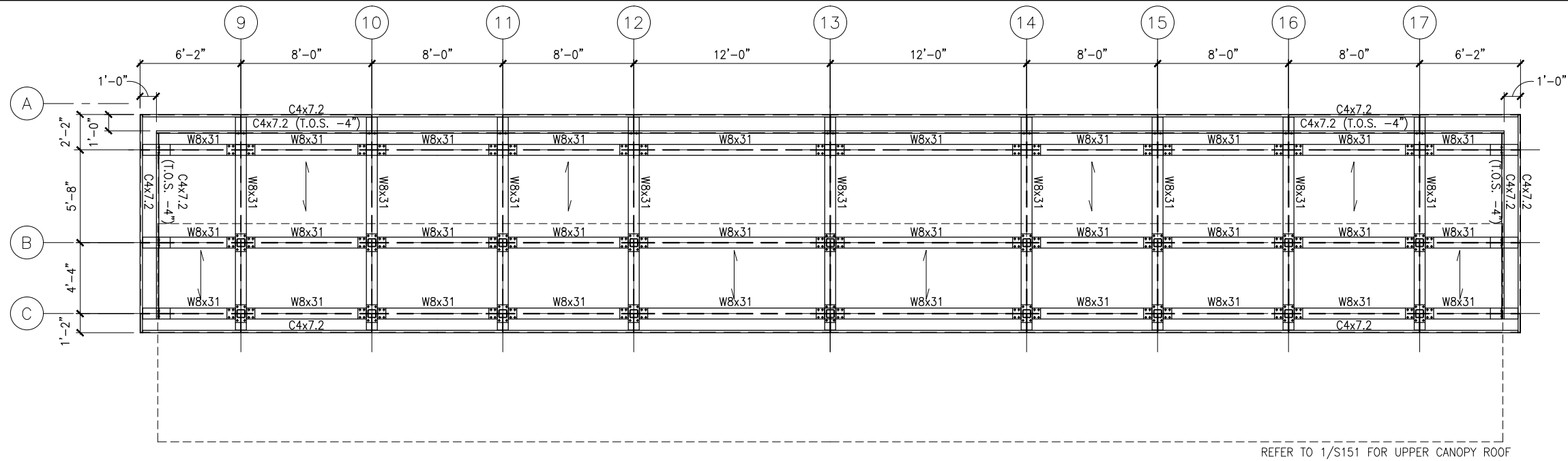


CIVIL EAST - VOLUME 11A LOUISIANA STATION EAST PARTIAL FOUNDATION PLAN	
DISCIPLINE: STRUCTURES	SHEET NAME: E2-LOU-STR-PLN-112

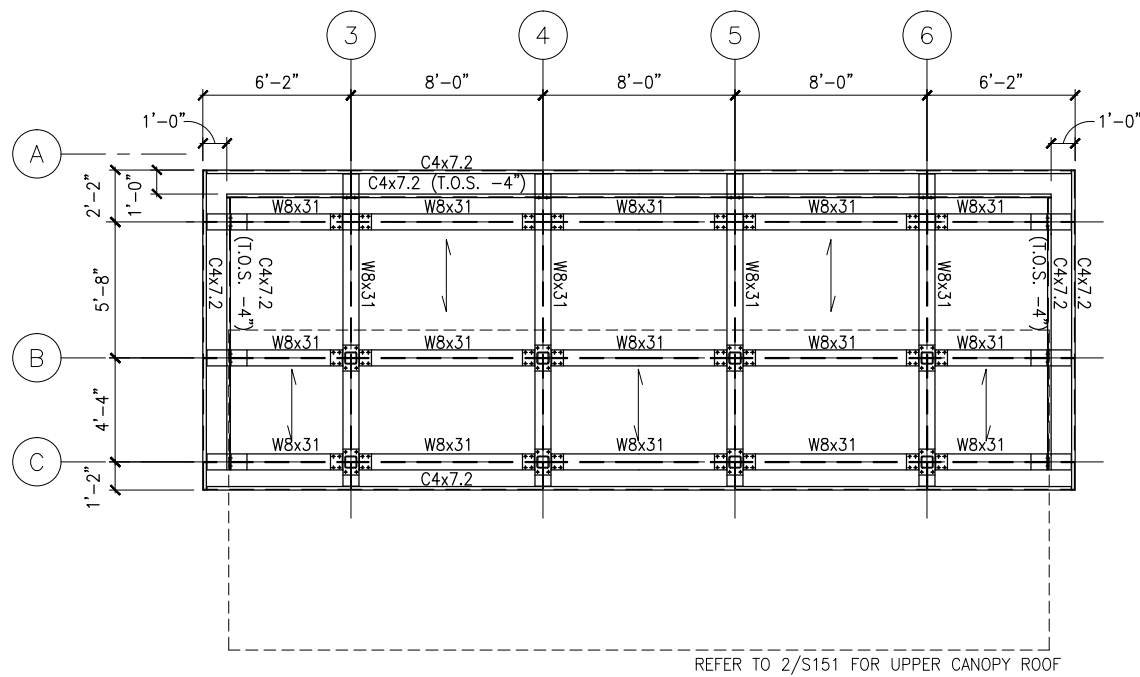
SHEET  
116  
OF  
319



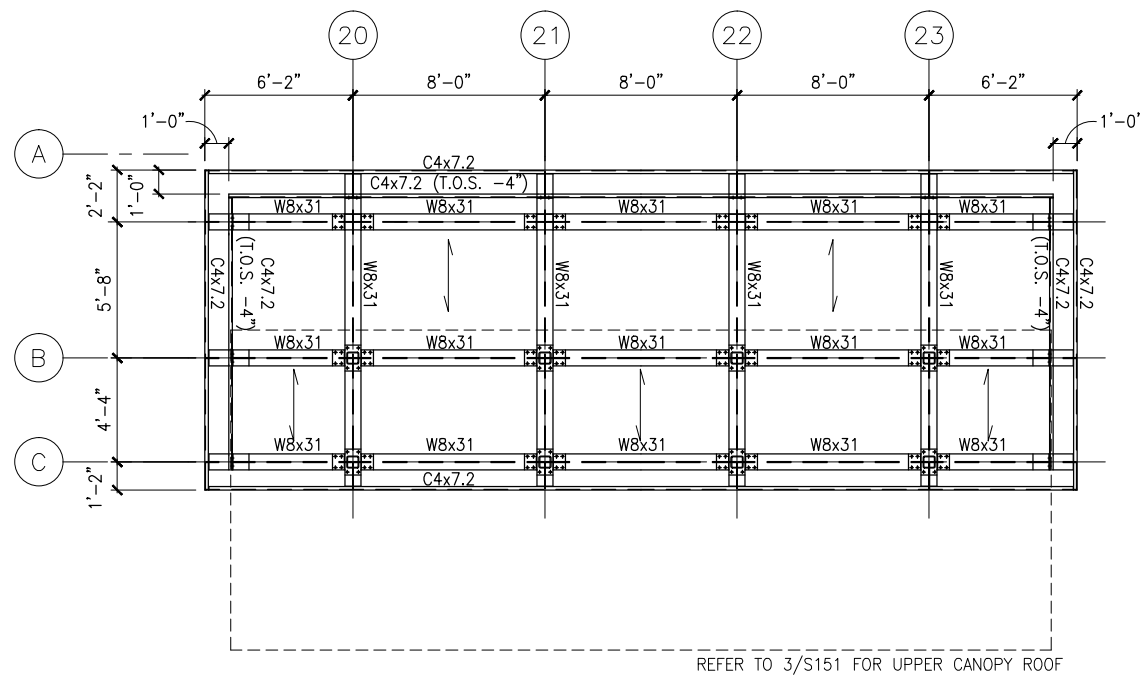
Sep. 21 2015 08:52 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Louisiana\CAD\STR\E2-LOU-STR-PLN-150.dwg By: pepins



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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

60% SUBMISSION - 9/28/15



CIVIL EAST - VOLUME 11A  
LOUISIANA STATION  
LOWER ROOF FRAMING PLANS

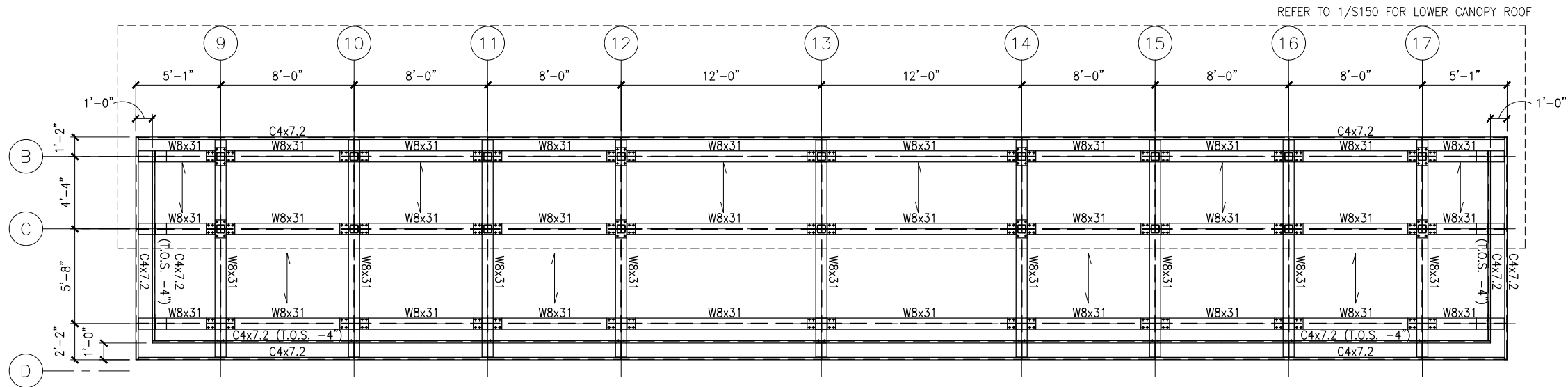
DISCIPLINE:  
STRUCTURES

SHEET NAME:  
E2-LOU-STR-PLN-150

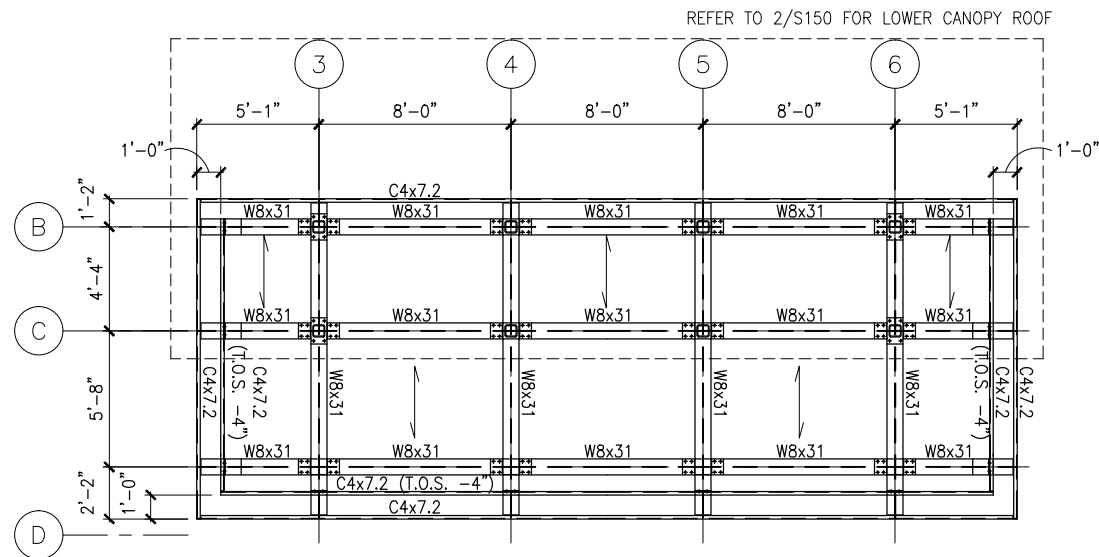
SHEET  
117  
OF  
319



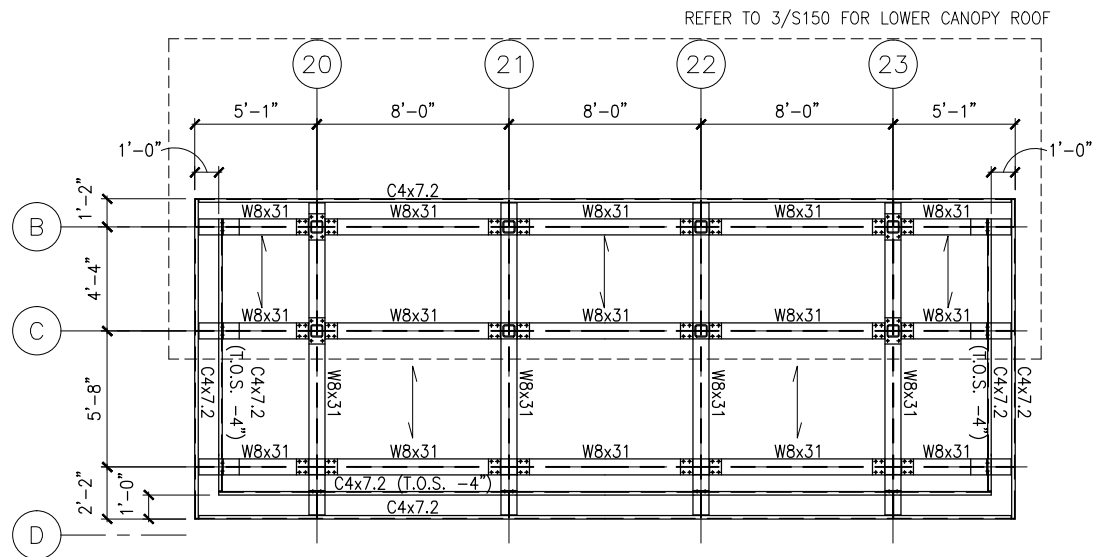
Sep. 21 2015 08:52 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Louisiana\CAD\STR\E2-LOU-STR-PLN-151.dwg By: pepins



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



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



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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

60% SUBMISSION - 9/28/15



CIVIL EAST - VOLUME 11A  
LOUISIANA STATION  
UPPER ROOF FRAMING PLANS

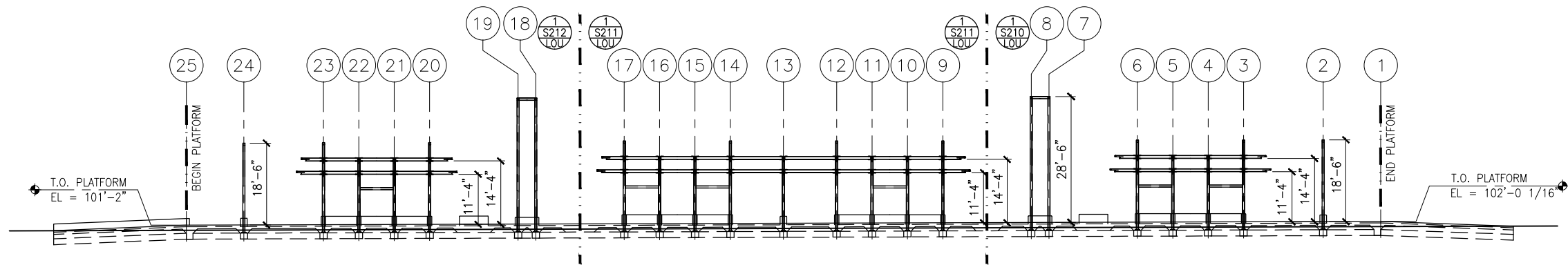
DISCIPLINE:  
STRUCTURES

SHEET NAME:  
E2-LOU-STR-PLN-151

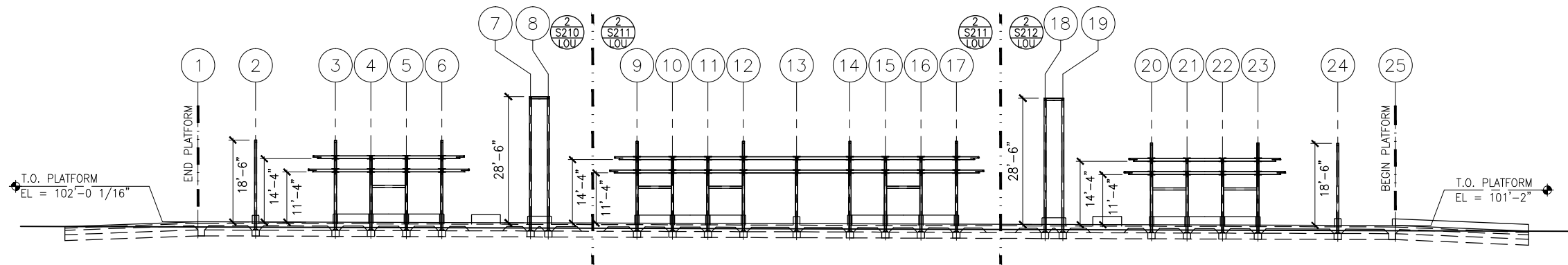
SHEET  
118  
OF  
319



Sep. 21 2015 08:53 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Louisiana\CAD\STR\E2-LOU-STR-ELV-201.dwg By: pepins



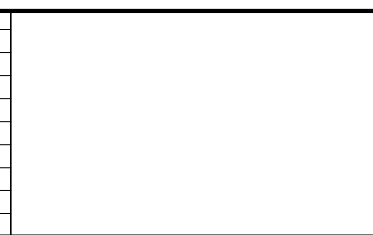
1 TRACK 1 ELEVATION - FRAMING  
SCALE: 1:30  
0 7.5 15 30  
SCALE  
(-0.31% SLOPE)\*



2 TRACK 2 ELEVATION - FRAMING  
SCALE: 1:30  
0 7.5 15 30  
SCALE  
(-0.31% SLOPE)\*

\*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15



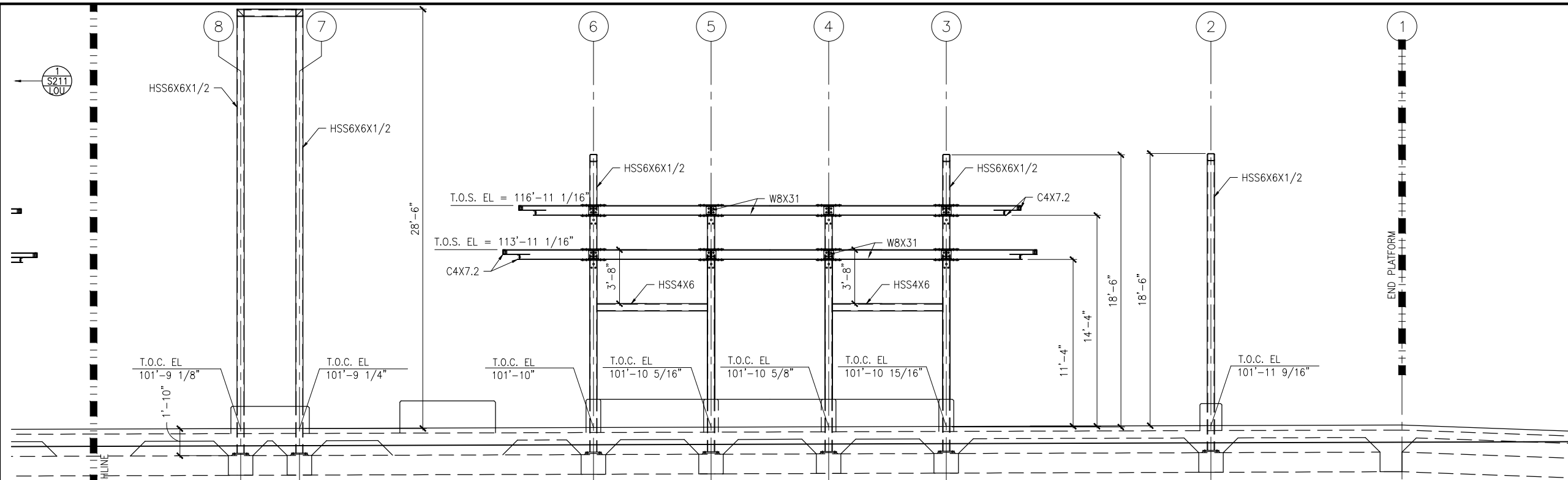
CIVIL EAST - VOLUME 11A  
LOUISIANA STATION  
ELEVATIONS -- FRAMING

DISCIPLINE: STRUCTURES  
SHEET NAME: E2-LOU-STR-ELV-201

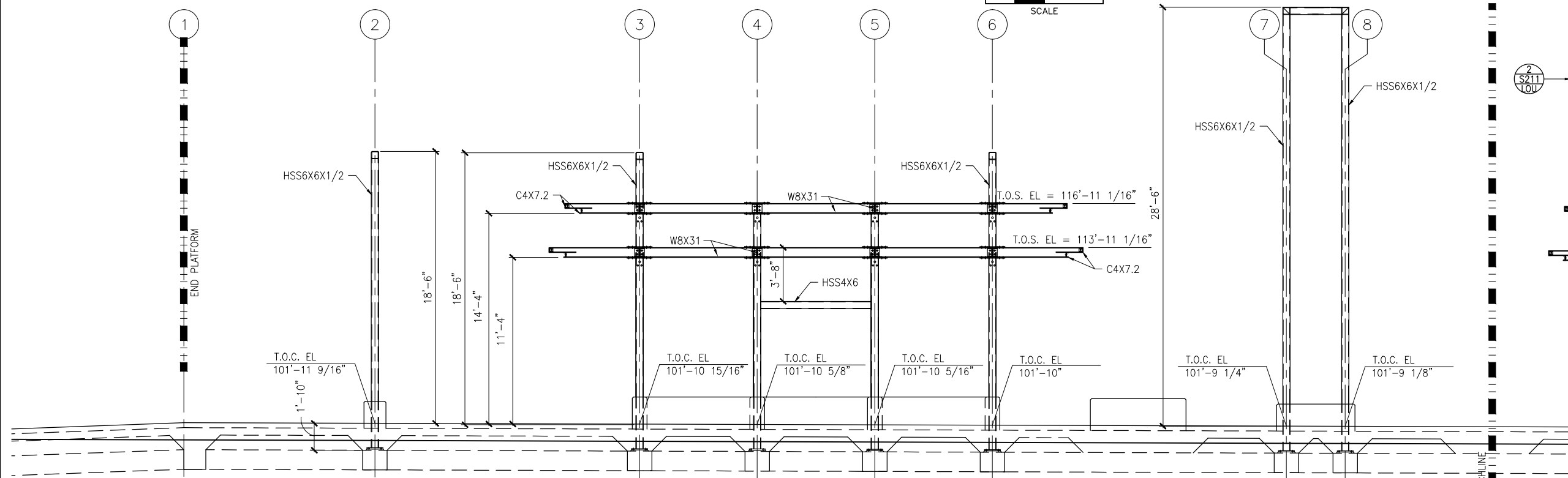
SHEET  
119  
OF  
319



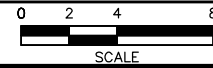
Sep. 21 2015 08:54 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Louisiana\CAD\STR\E2-LOU-STR-ELV-210.dwg By: pepins



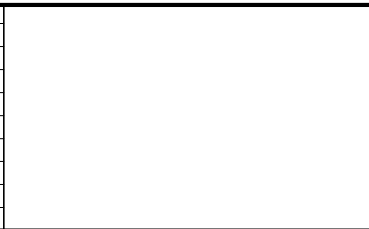
1 TRACK 1 – PARTIAL ELEVATION  
SCALE: 1/8"=1'-0"



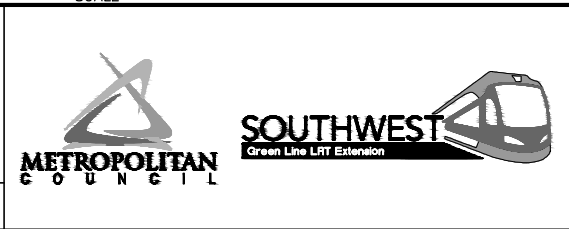
2 TRACK 2 – PARTIAL ELEVATION  
SCALE: 1/8"=1'-0"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15



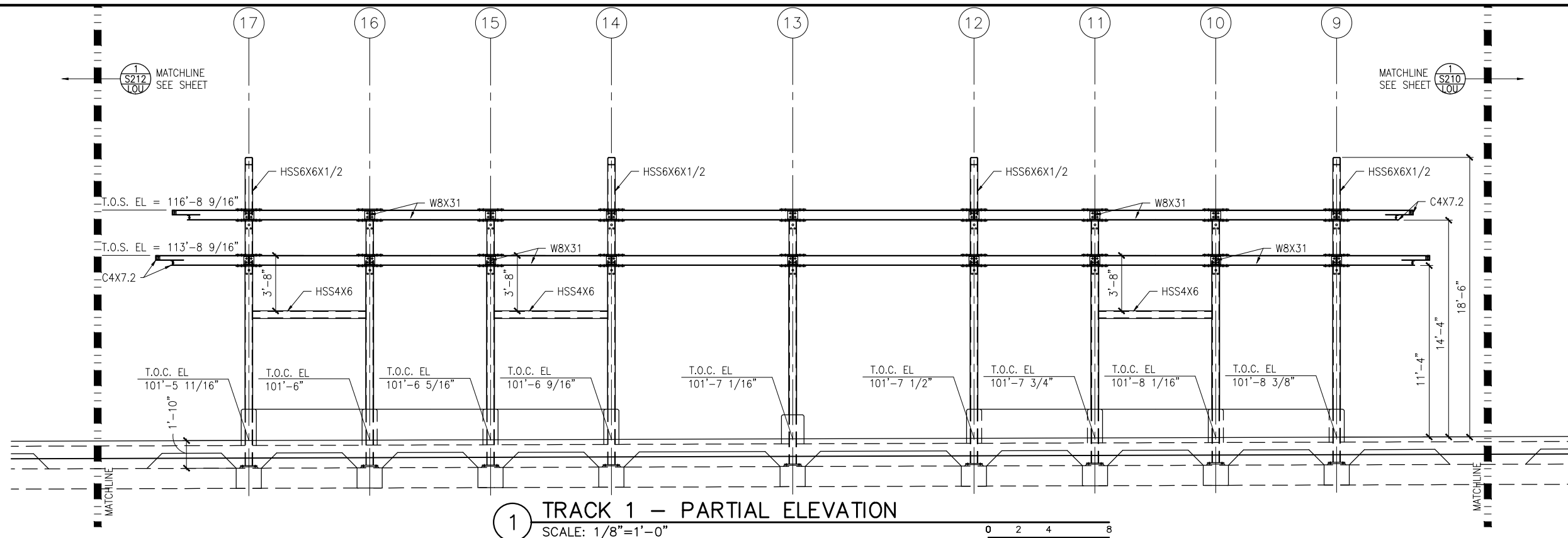
CIVIL EAST - VOLUME 11A  
LOUISIANA STATION  
WEST PARTIAL ELEVATIONS -- FRAMING

DISCIPLINE: STRUCTURES  
SHEET NAME: E2-LOU-STR-ELV-210

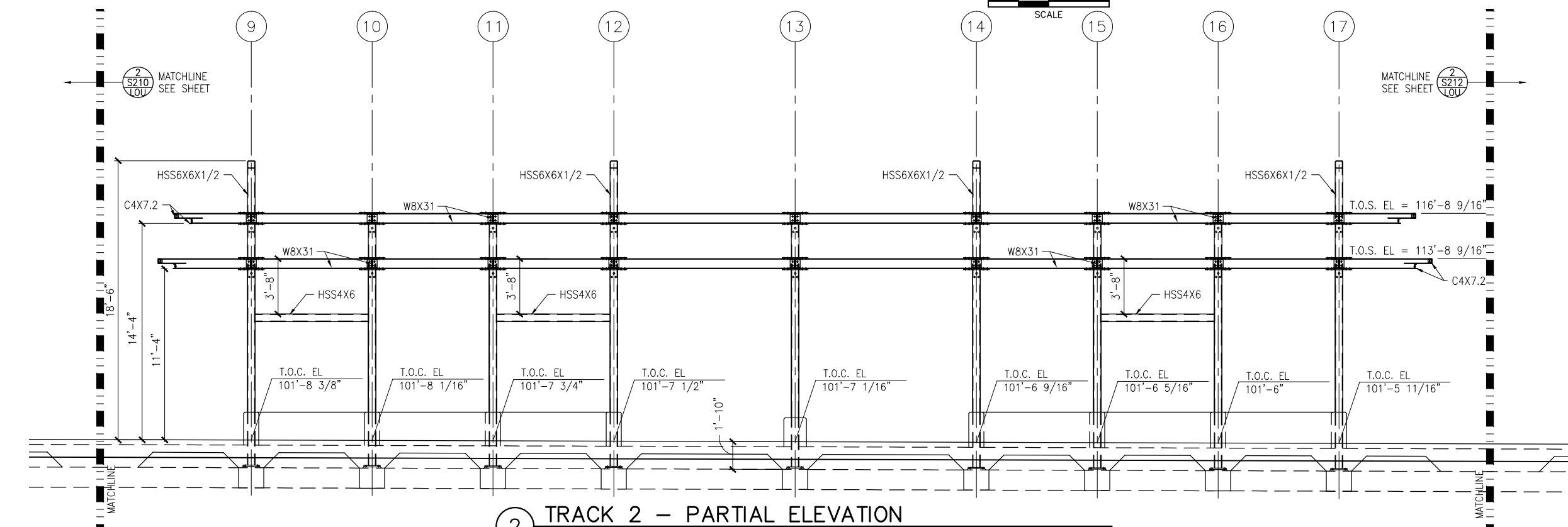
SHEET  
120  
OF  
319



Sep. 21 2015 08:54 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Louisiana\CAD\STR\E2-LOU-STR-ELV-211.dwg By: pepins



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



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 9/28/15



**CIVIL EAST - VOLUME 11A**  
**LOUISIANA STATION**  
**MIDDLE PARTIAL ELEVATIONS -- FRAMING**

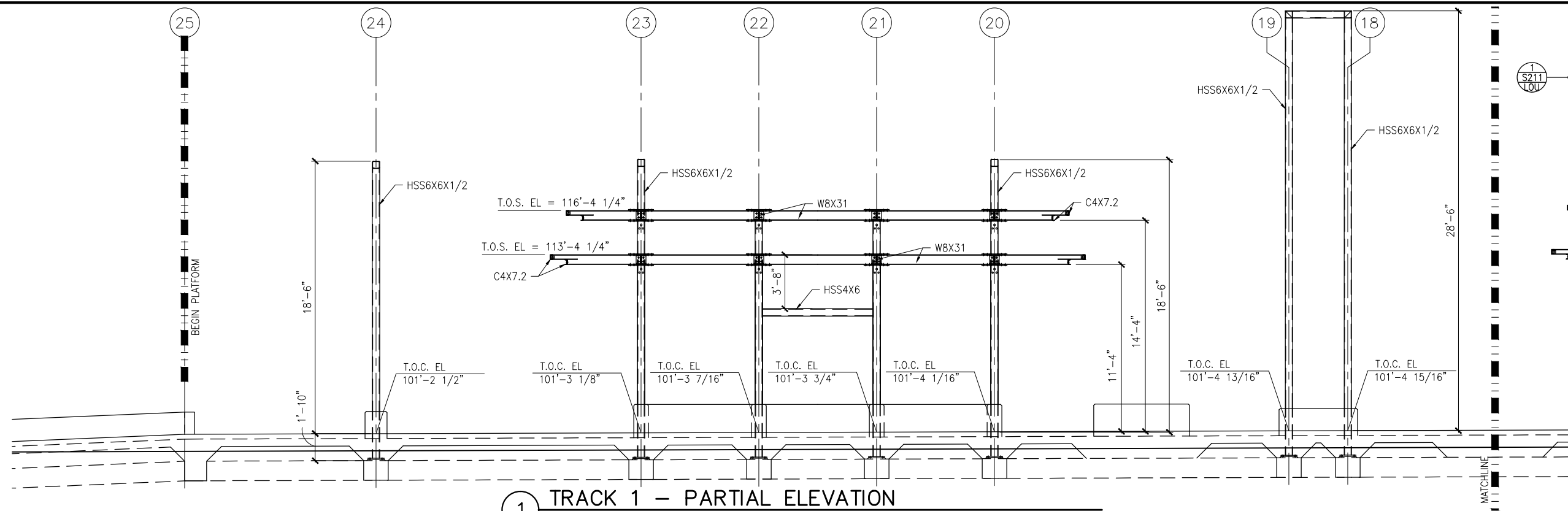
DISCIPLINE:  
**STRUCTURES**

SHEET NAME:  
**E2-LOU-STR-ELV-211**

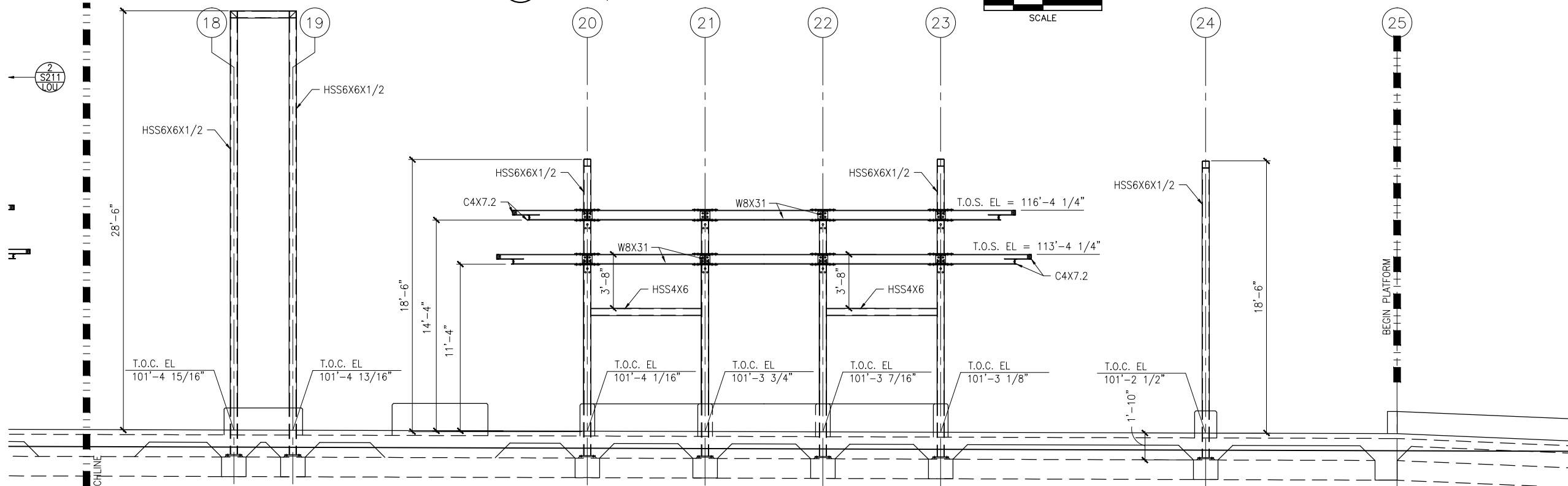
**SHEET**  
**121**  
**OF**  
**319**



Sep. 21 2015 08:55 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Louisiana\CAD\STR\E2-LOU-STR-ELV-212.dwg By: pepins



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



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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 9/28/15



**CIVIL EAST - VOLUME 11A**  
**LOUISIANA STATION**  
**EAST PARTIAL ELEVATIONS -- FRAMING**

DISCIPLINE:  
**STRUCTURES**

SHEET NAME:  
**E2-LOU-STR-ELV-212**

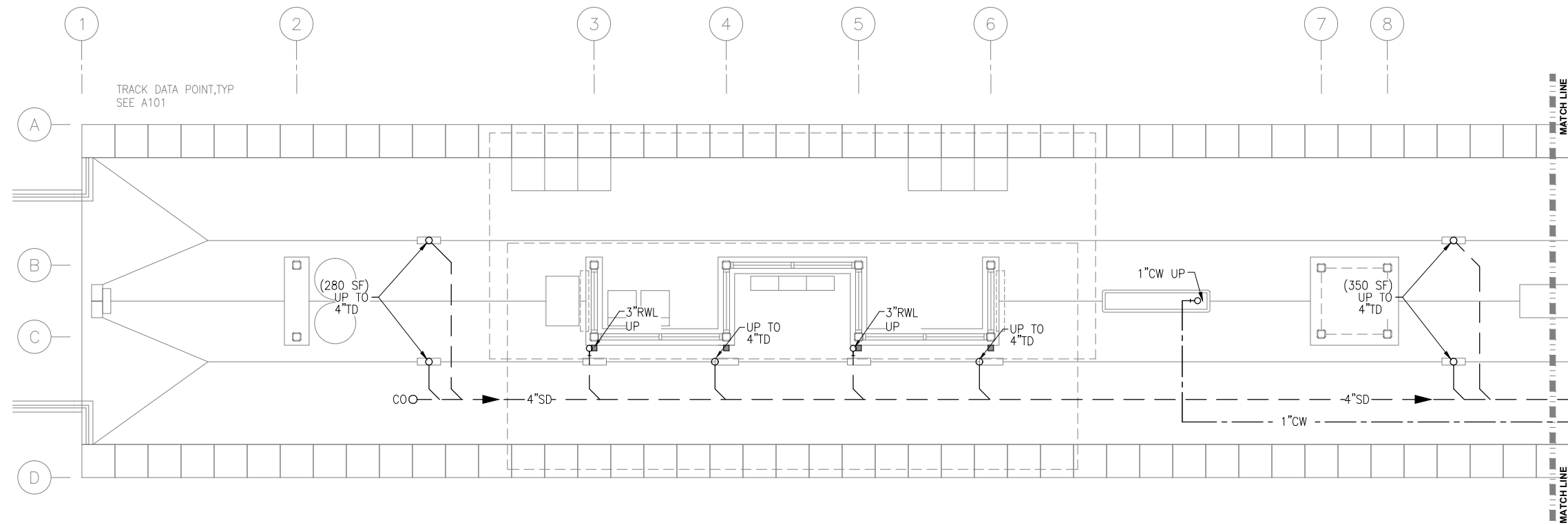
**SHEET**  
**122**  
**OF**  
**319**



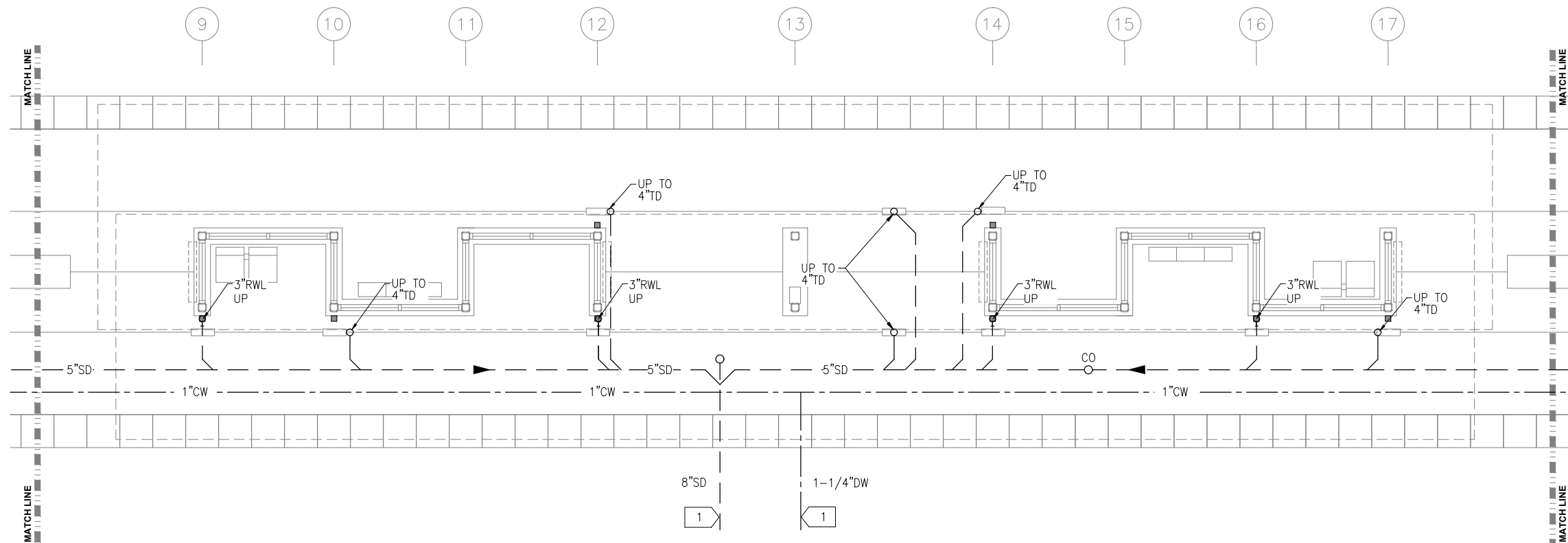




Sep. 21 2015 01:37 pm Z:\Projects\AECOM\SWLRT west\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\LOUISIANA STATION\E2-LOU-PLM-PLN-100.dwg By: craig



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



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

PLUMBING GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
- MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
- REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS AND LAYOUT.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR STORM DOWNSPOUT MATERIAL.

PLUMBING KEY NOTES:

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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**ENGINEERING • LLC**  
CERTIFIED WOMEN'S  
BUSINESS ENTERPRISE



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**LOUISIANA STATION**  
**WEST AND MIDDLE UNDERFLOOR**  
**PLUMBING PLAN**

DISCIPLINE:  
**PLUMBING**

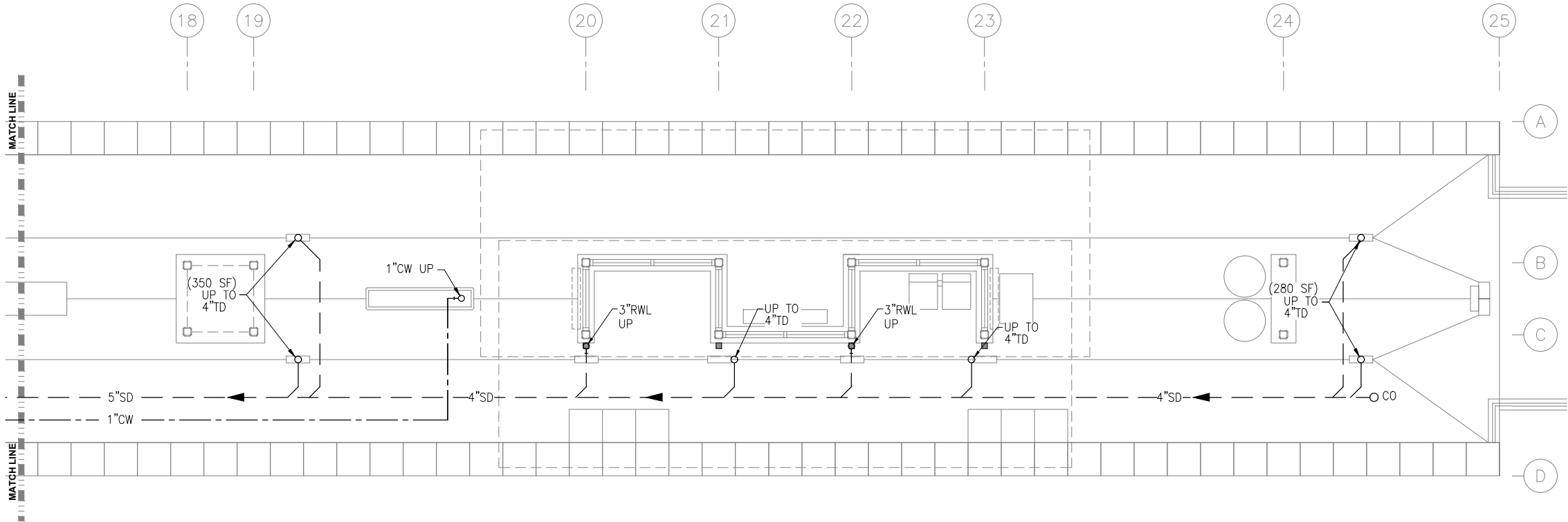
SHEET NAME:  
**E2-LOU-PLM-PLN-100**

**SHEET**  
**124**  
**OF**  
**319**

**60% SUBMISSION - 09/28/15**



Sep. 21 2015 01:36 pm Z:\Projects\AECOM\SWLRT west\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\LOUISIANA STATION\E2-LOU-PLM-PLN-101.dwg By: craig



- PLUMBING GENERAL NOTES
- A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES 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.

- PLUMBING KEY NOTES:
- 1 EXTEND WATER AND STORM OUTSIDE GUIDEWAY. CONNECTION BY OUTDOOR UTILITY CONTRACTOR.

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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**ENGINEERING • LLC**  
CERTIFIED WOMEN'S  
BUSINESS ENTERPRISE



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A  
LOUISIANA STATION  
EAST PARTIAL UNDERFLOOR  
PLUMBING PLAN**

DISCIPLINE:  
**PLUMBING**

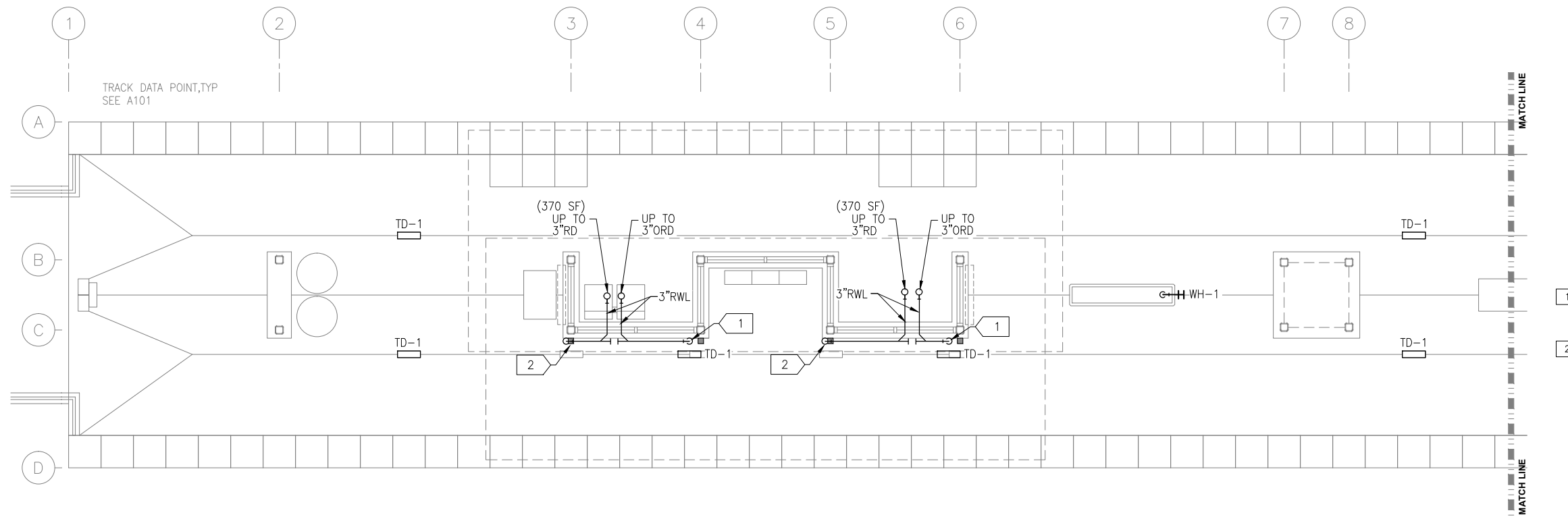
SHEET NAME:  
**E2-LOU-PLM-PLN-101**

**SHEET**  
**125**  
**OF**  
**319**

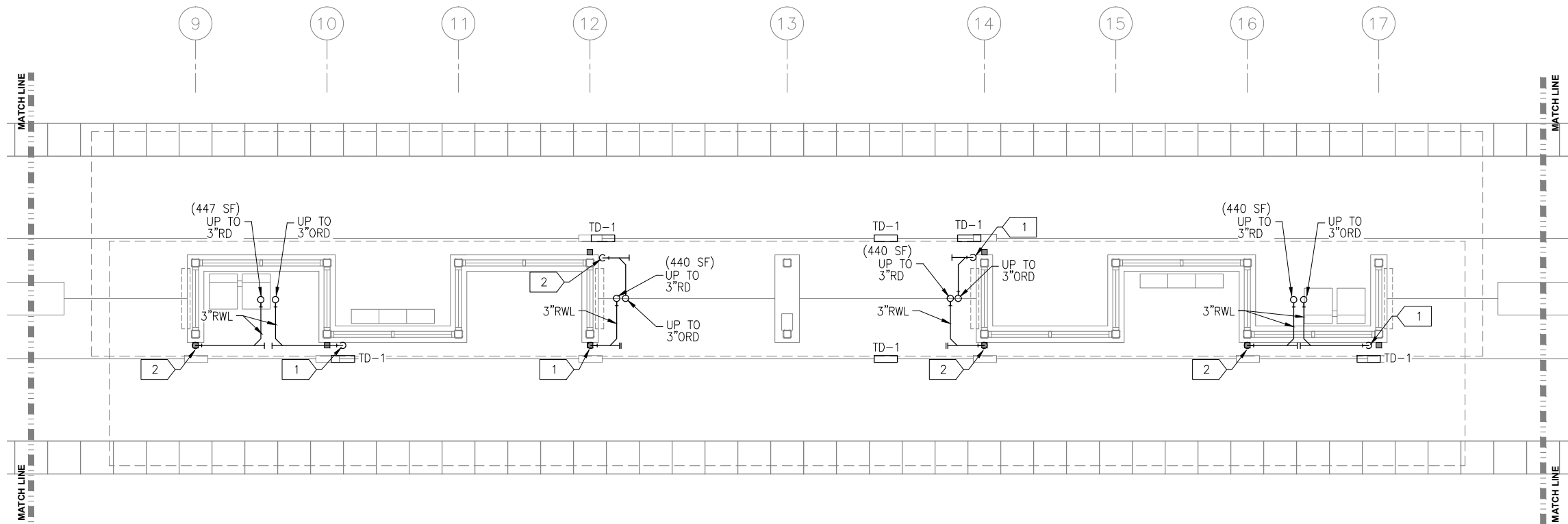
**60% SUBMISSION - 09/28/15**



Sep. 21 2015 01:36 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 PLUMBING PLAN  
SCALE: 1/4"=1'-0"



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

PLUMBING GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
- MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
- REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS AND LAYOUT.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR STORM DOWNSPOUT MATERIAL.

PLUMBING KEY NOTES

- 3x3 RWL DOWN TO DAYLIGHT ABOVE TD-1. SEE ARCHITECTURAL DOCUMENTS FOR RAIN WATER LEADER MATERIAL AND SHAPE.
- 3x3 RWL DOWN TO JOSAM..... CONNECTION TO 3" UNDERFLOOR STORM DRAIN.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**ENGINEERING • LLC**  
CERTIFIED WOMEN'S  
BUSINESS ENTERPRISE



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**LOUISIANA STATION**  
**WEST AND MIDDLE PARTIAL**  
**PLUMBING PLAN**

DISCIPLINE:  
**PLUMBING**

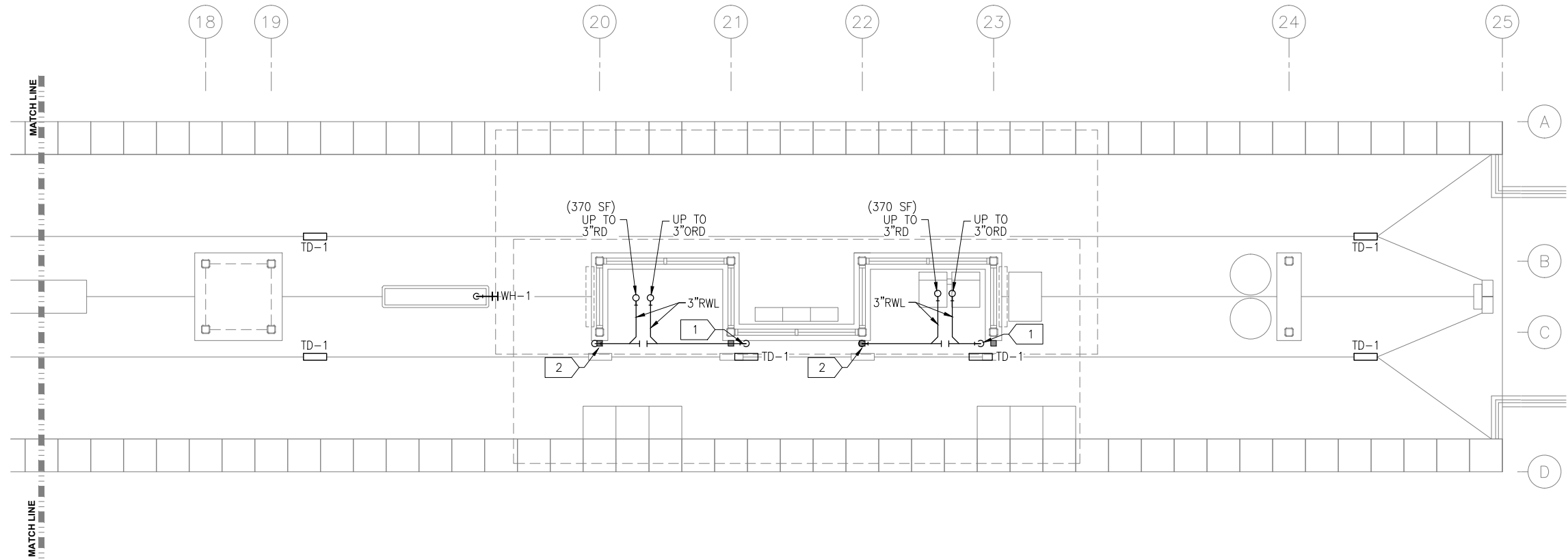
SHEET NAME:  
**E2-LOU-PLM-PLN-110**

**SHEET**  
**126**  
**OF**  
**319**

**60% SUBMISSION - 09/28/15**



Sep. 21 2015 01:35 pm Z:\Projects\AECOM\SWLRT\_west\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\LOUISIANA STATION\E2-LOU-PLM-PLN-111.dwg By: craig



PLUMBING GENERAL NOTES

- A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES 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.

PLUMBING KEY NOTES

- 1 3x3 RWL DOWN TO DAYLIGHT ABOVE TD-1. SEE ARCHITECTURAL DOCUMENTS FOR RAIN WATER LEADER MATERIAL AND SHAPE.
- 2 3x3 RWL DOWN TO JOSAM\_\_\_\_\_ CONNECTION TO 3\"/>

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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

ENGINEERING • LLC  
CERTIFIED WOMEN'S  
BUSINESS ENTERPRISE

METROPOLITAN  
COUNCIL

SOUTHWEST  
Green Line LRT Extension

CIVIL EAST - VOLUME 11A  
LOUISIANA STATION  
EAST PARTIAL PLUMBING PLAN  
AND RISER DIAGRAM

DISCIPLINE:  
PLUMBING

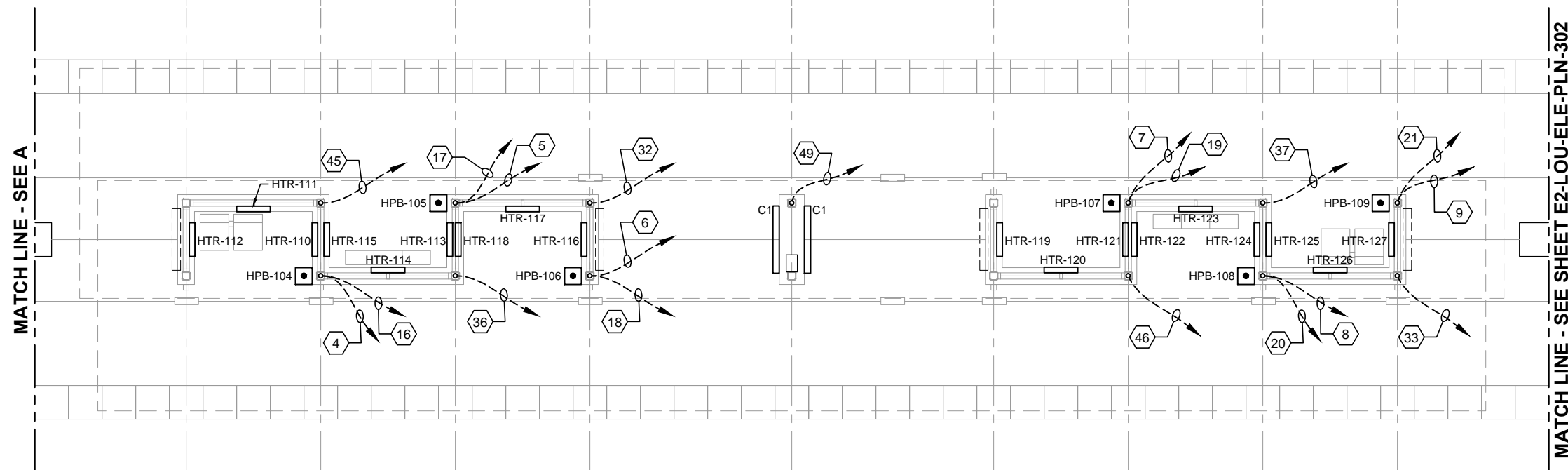
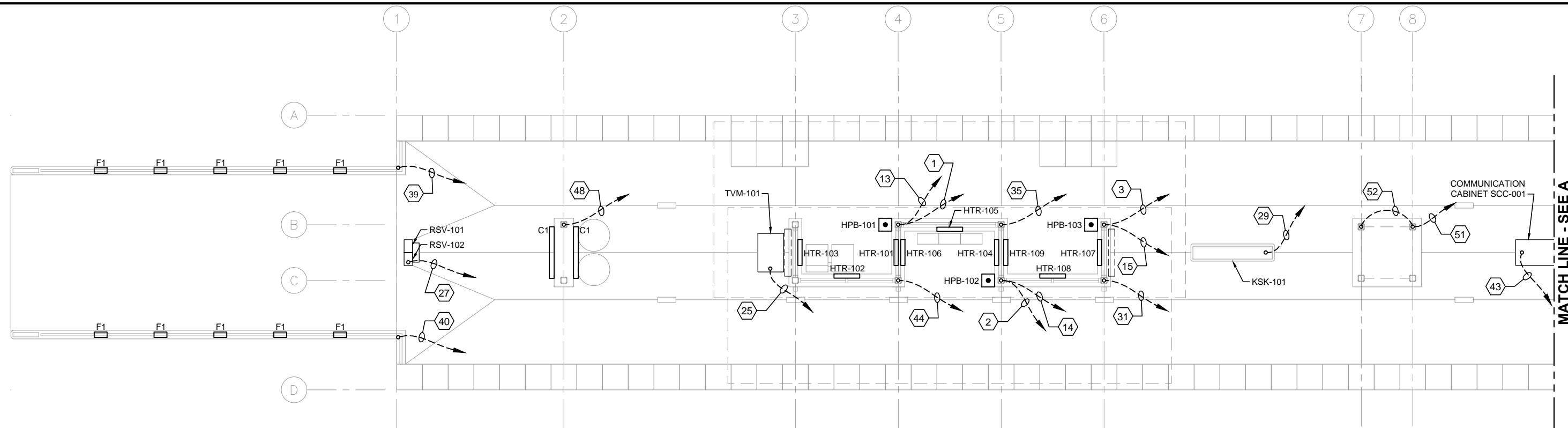
SHEET NAME:  
E2-LOU-PLM-PLN-111

SHEET  
127  
OF  
319

60% SUBMISSION - 09/28/15

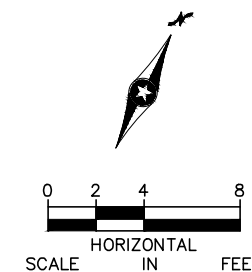


Sep. 25 2015 11:56 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-LOU-ELE-PLN-301.dwg By: V-BegeJB



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.



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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
LOUISIANA STATION  
ELECTRICAL  
UNDERSLAB CONDUIT PLAN (1 OF 2)

DISCIPLINE:  
ELECTRICAL

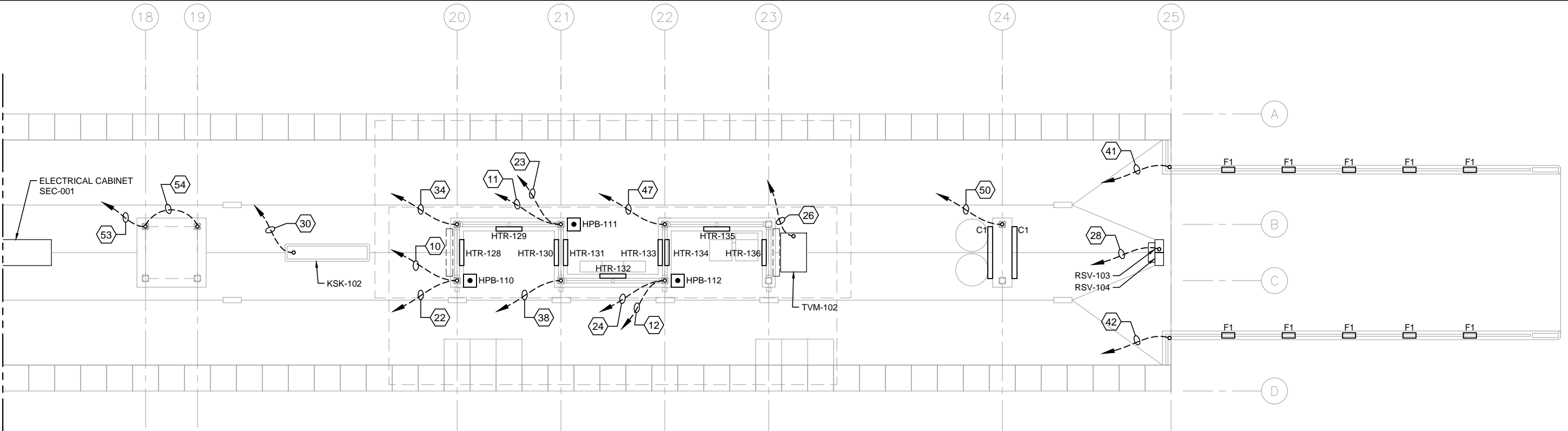
SHEET NAME:  
E2-LOU-ELE-PLN-301

SHEET  
128  
OF  
319



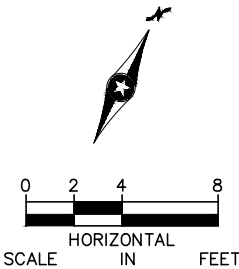
Sep. 25 2015 10:57 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-LOU-ELE-PLN-302.dwg By: V-BegeleB

MATCH LINE - SEE SHEET E2-LOU-ELE-PLN-301



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.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15

**METROPOLITAN**  
COUNCIL

**SOUTHWEST**  
Green Line LRT Extension

**CIVIL EAST - VOLUME 11A**  
**LOUISIANA STATION**  
**ELECTRICAL**  
**UNDERSLAB CONDUIT PLAN (2 OF 2)**

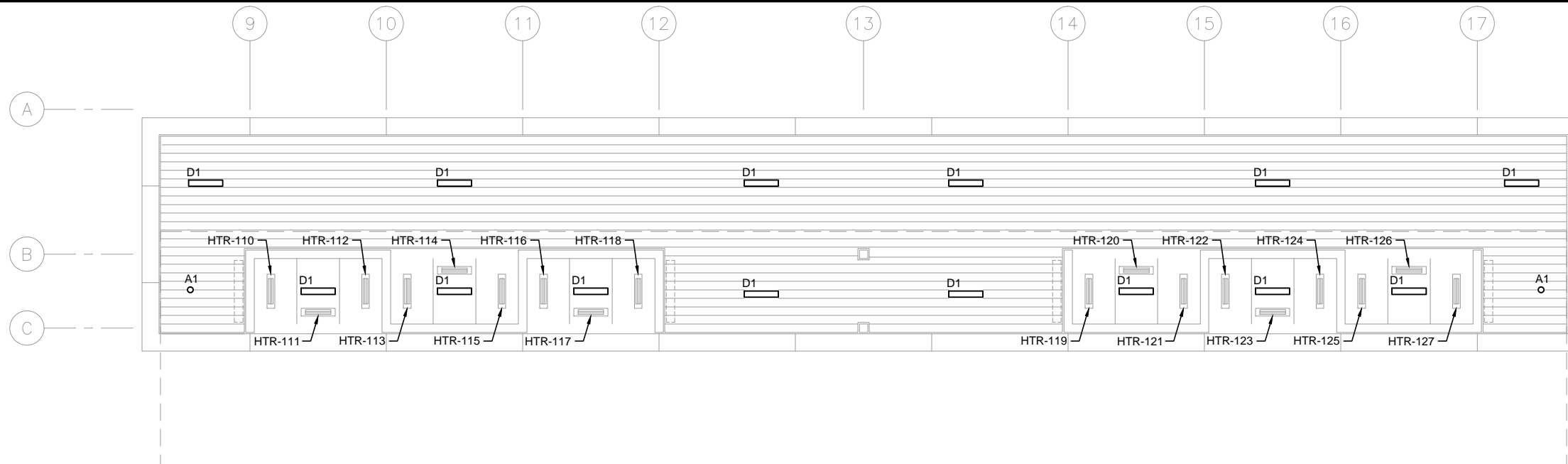
DISCIPLINE: **ELECTRICAL**

SHEET NAME: **E2-LOU-ELE-PLN-302**

SHEET  
129  
OF  
319



Sep. 25 2015 09:03 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-LOU-ELE-PLN-303.dwg By: FergTK



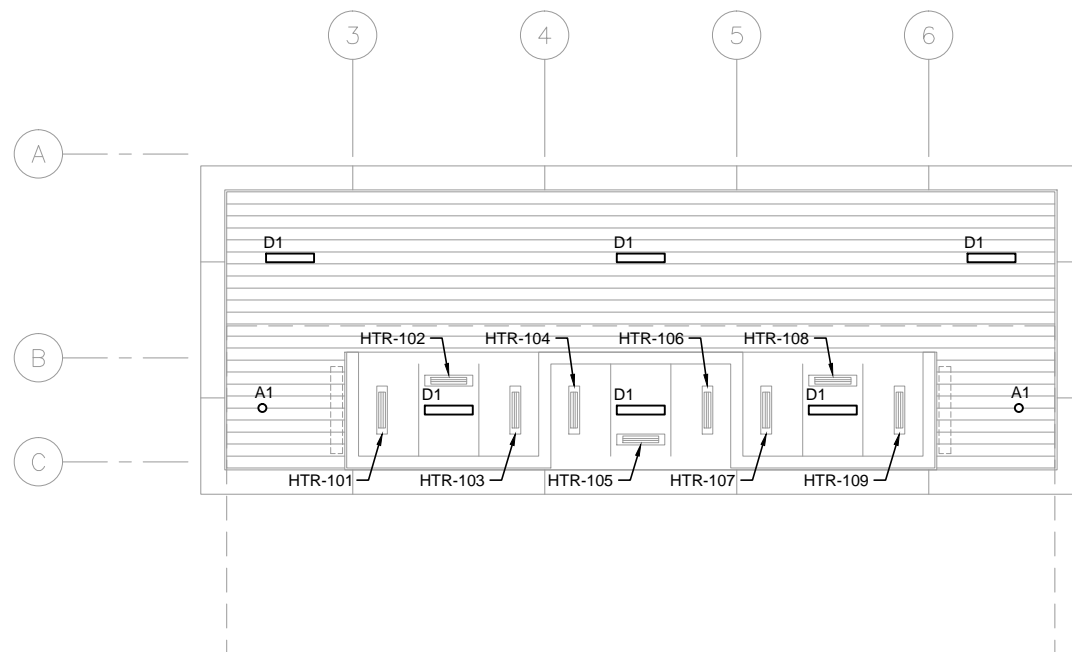
GENERAL NOTES:

1. PROVIDE HEAT TRACE IN GUTTERS, DOWN SPOUTS AND RAIN CONDUCTORS.

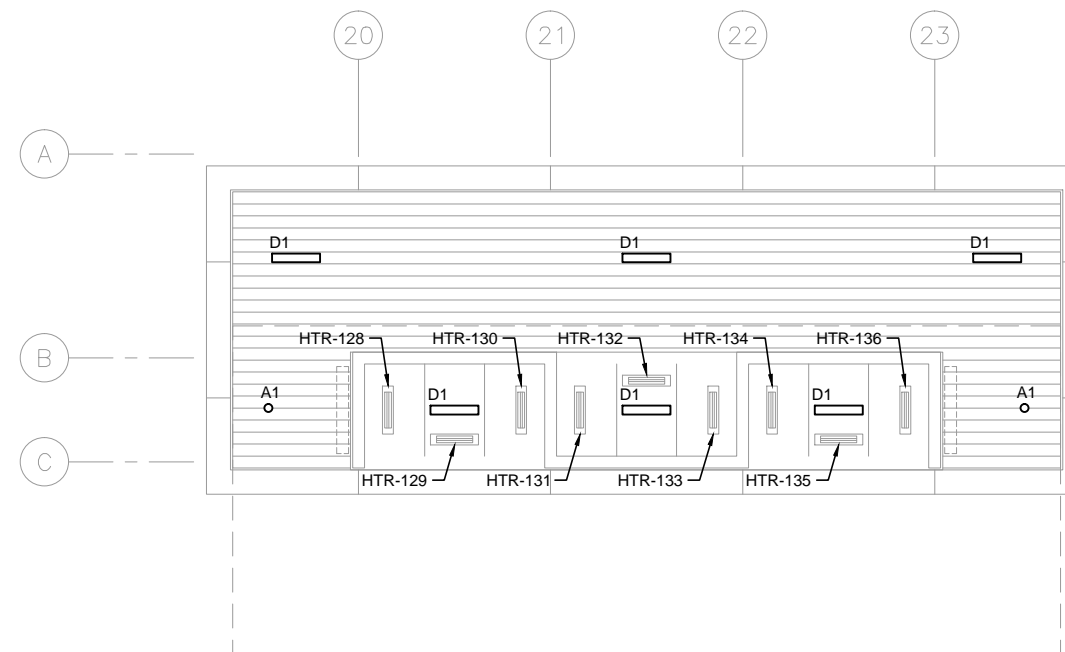
KEYNOTES:

- 1.

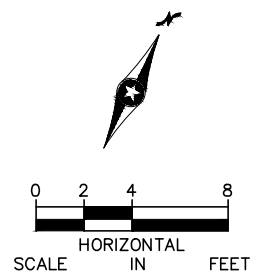
1 TRACK 1 SIDE CANOPY PLAN – MIDDLE  
SCALE: 1/8"=1'-0"



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"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
LOUISIANA STATION  
ELECTRICAL  
CANOPY PLAN - TRACK 1 SIDE

DISCIPLINE:  
ELECTRICAL

SHEET NAME:  
E2-LOU-ELE-PLN-303

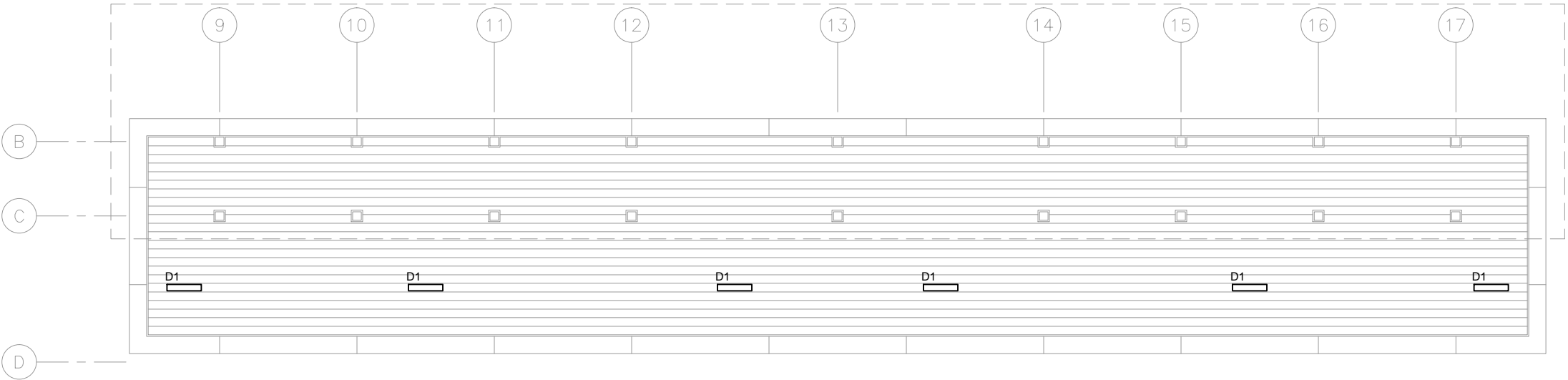
SHEET  
130  
OF  
319



Sep. 25 2015 09:04 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-LOU-ELE-PLN-304.dwg By: FergTK

GENERAL NOTES:

1.

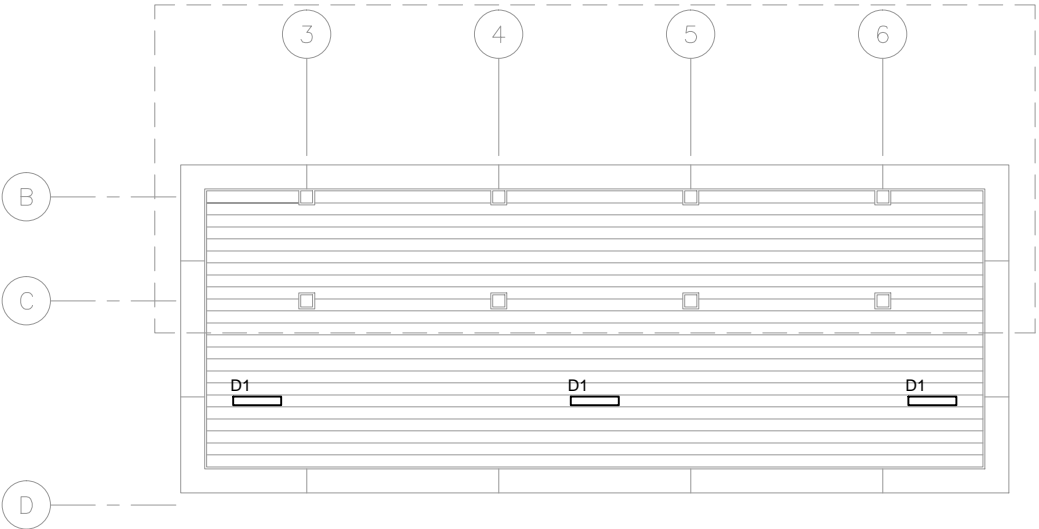


KEYNOTES:

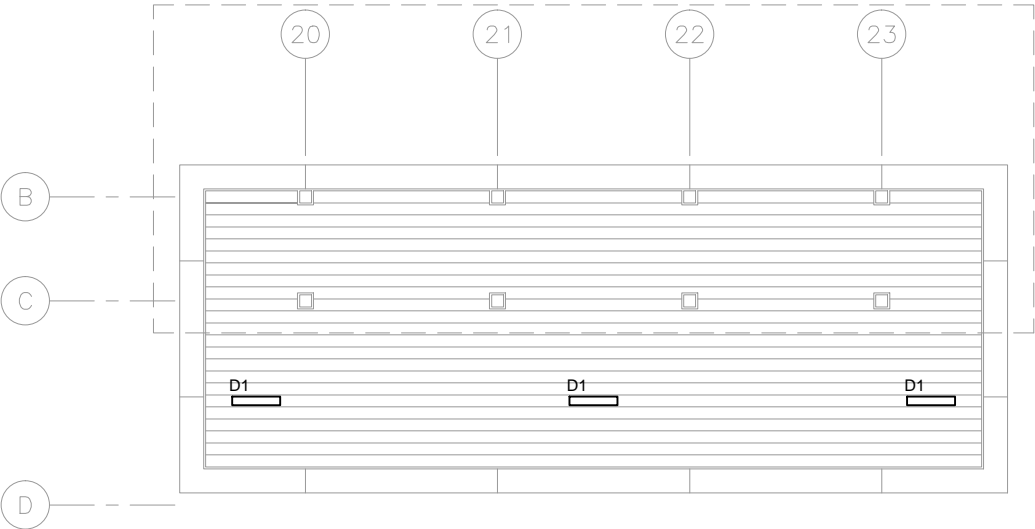
1.



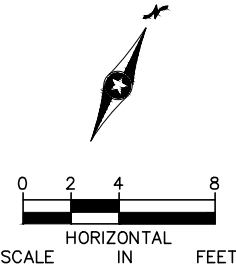
1 TRACK 2 SIDE CANOPY PLAN – MIDDLE  
SCALE: 1/8"=1'-0"



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"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

**METROPOLITAN**  
COUNCIL

**SOUTHWEST**  
Green Line LRT Extension

60% SUBMISSION - 09/28/15

**CIVIL EAST - VOLUME 11A**  
**LOUISIANA STATION**  
**ELECTRICAL**  
**CANOPY PLAN - TRACK 2 SIDE**

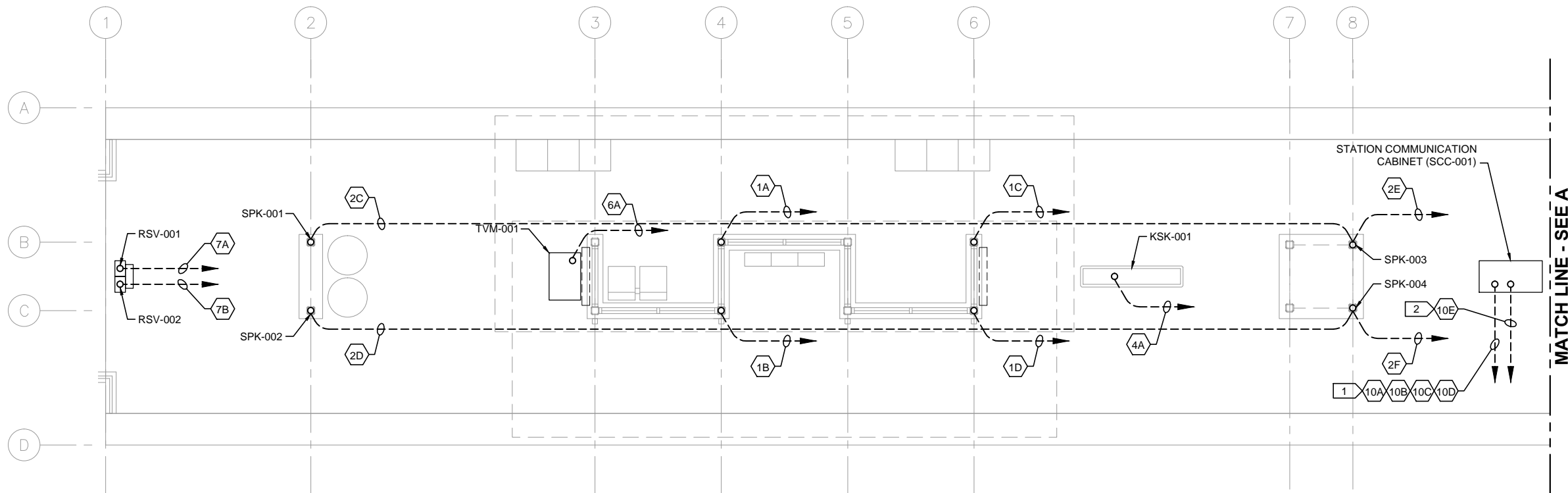
DISCIPLINE:  
**ELECTRICAL**

SHEET NAME:  
**E2-LOU-ELE-PLN-304**

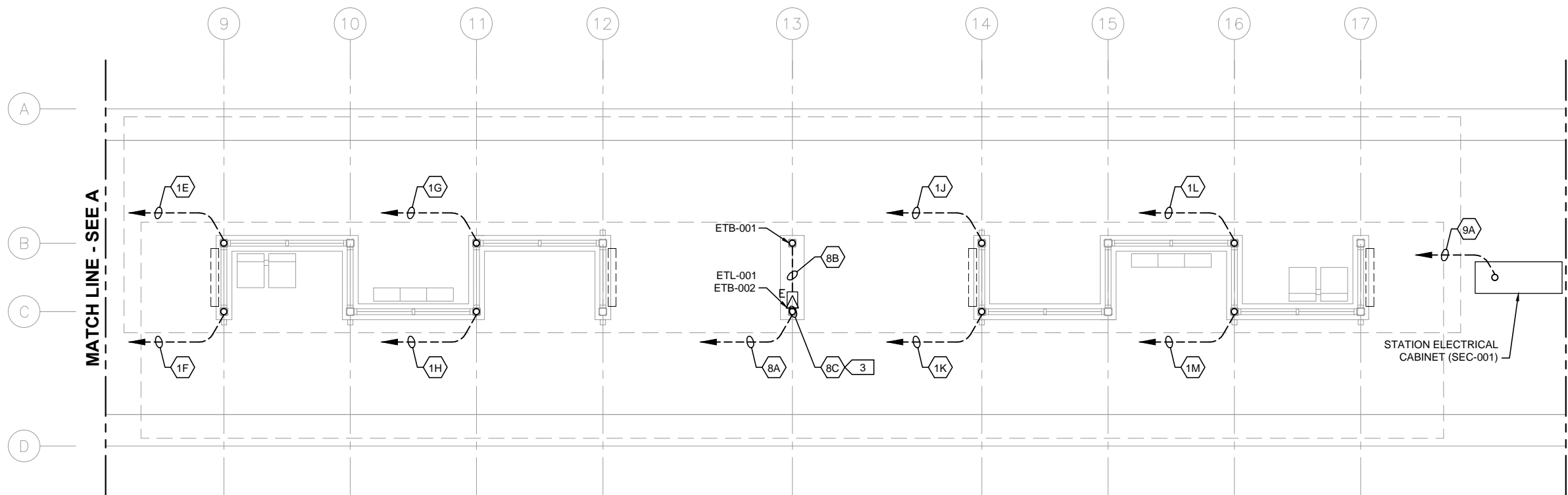
**SHEET**  
**131**  
**OF**  
**319**



Sep. 25 2015 09:04 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-LOU-ELE-PLN-411.dwg By: FergTK



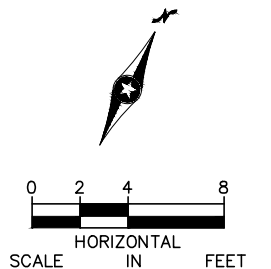
1 PLATFORM PLAN - WEST  
SCALE: 1/8"=1'-0"



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 CANOPY COMMUNICATIONS PLAN.

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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15

**METROPOLITAN**  
COUNCIL

**SOUTHWEST**  
Green Line LRT Extension

**CIVIL EAST - VOLUME 11A**  
**LOUISIANA STATION**  
**COMMUNICATIONS**  
**UNDERSLAB CONDUIT PLAN (1 OF 2)**

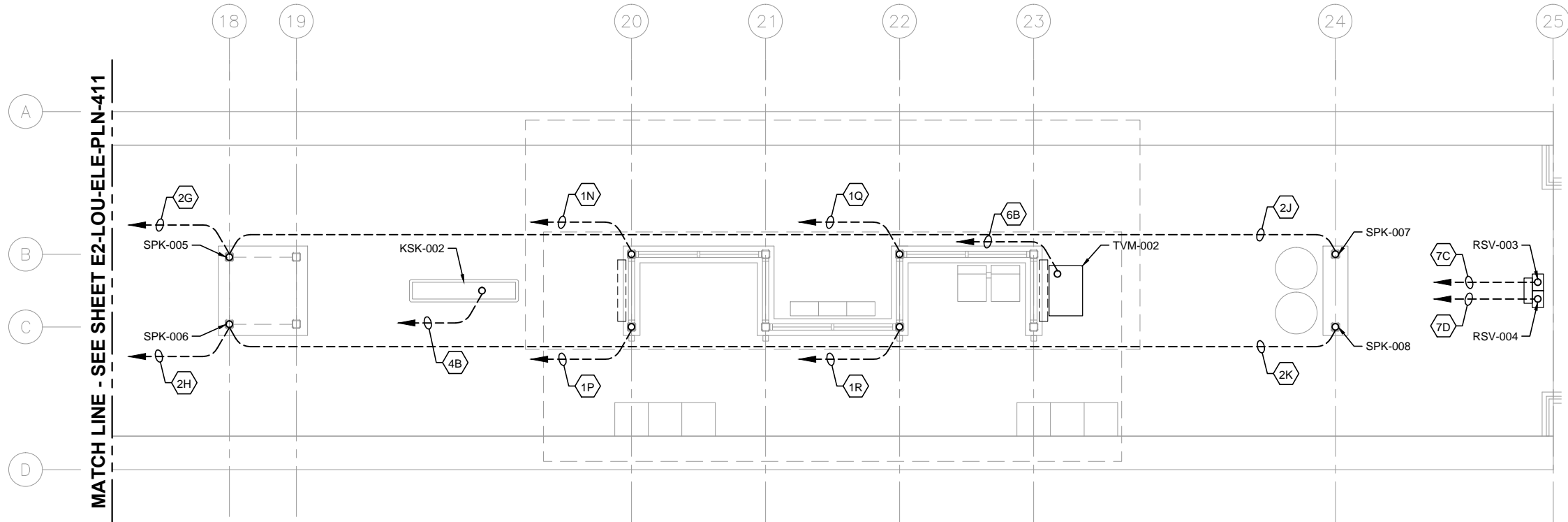
DISCIPLINE:  
**ELECTRICAL**

SHEET NAME:  
**E2-LOU-ELE-PLN-411**

**SHEET**  
**132**  
**OF**  
**319**



Sep. 25 2015 09:05 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-LOU-ELE-PLN-412.dwg By: FergTK

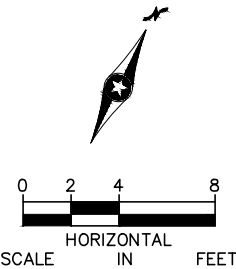


- GENERAL NOTES:
1. DASHED LINES WITH AN ARROWHEAD DENOTE HOMERUN TO SCC-001, UNLESS OTHERWISE NOTED.
  2. FOR CONDUITS AND DEVICES MOUNTED TO CANOPY, SEE CANOPY COMMUNICATIONS PLAN.

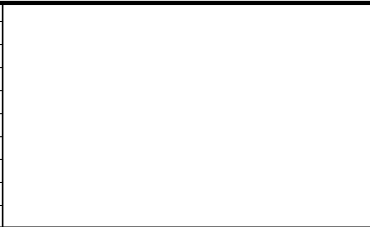
KEYNOTES:

1.

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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
LOUISIANA STATION  
COMMUNICATIONS  
UNDERSLAB CONDUIT PLAN (2 OF 2)

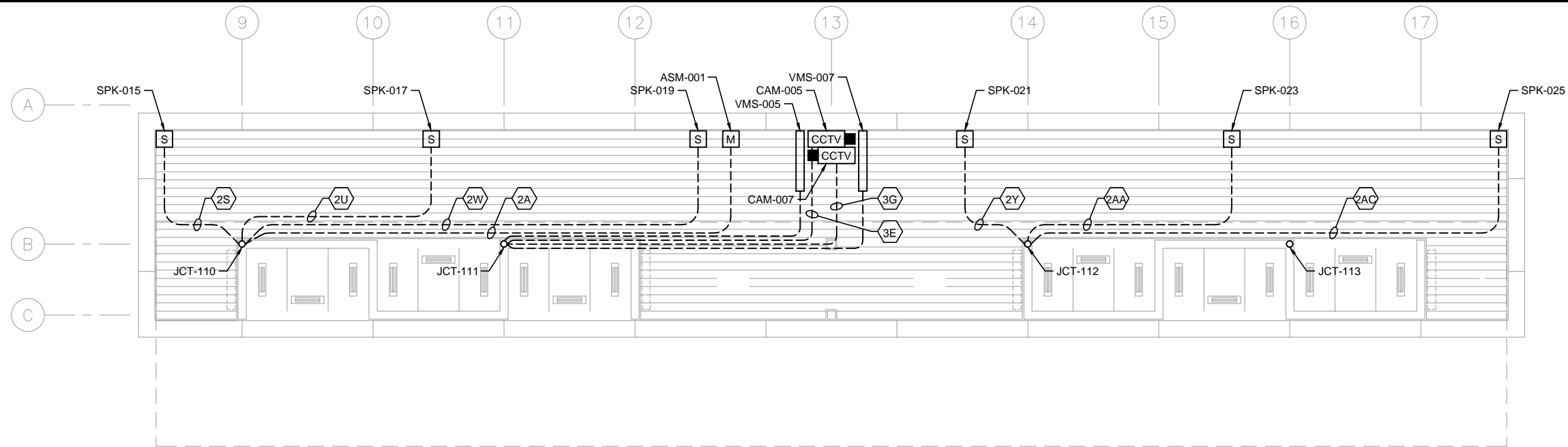
DISCIPLINE: ELECTRICAL

SHEET NAME: E2-LOU-ELE-PLN-412

SHEET  
133  
OF  
319



Sep. 25 2015 09:05 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-LOU-ELE-PLN-421.dwg By: FergTK



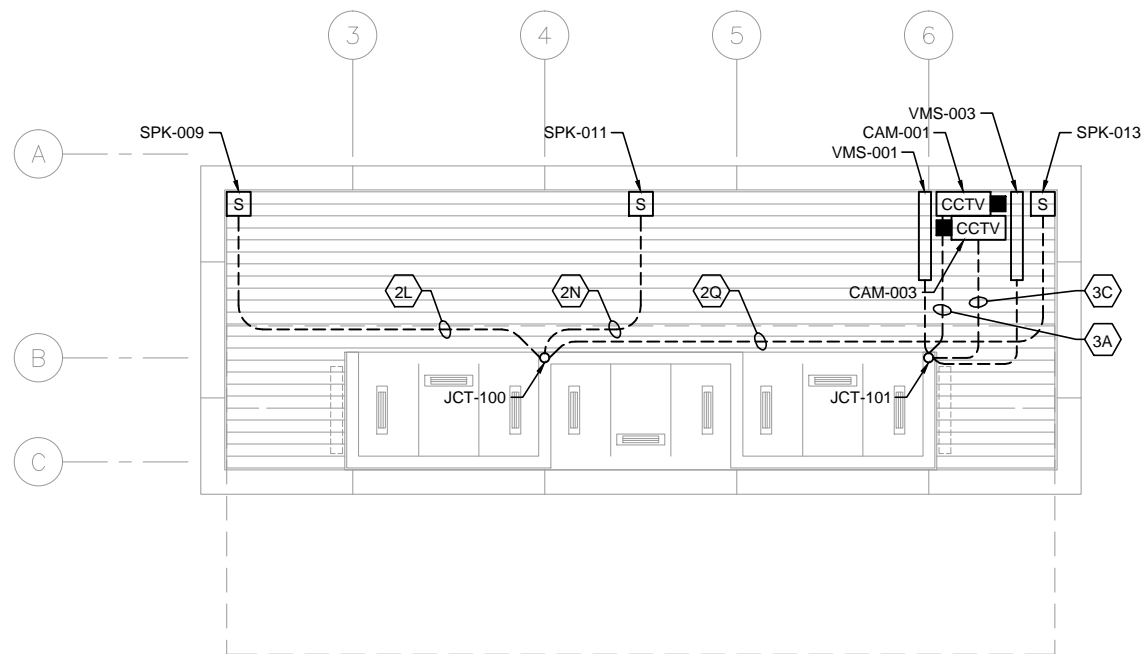
GENERAL NOTES:

1.

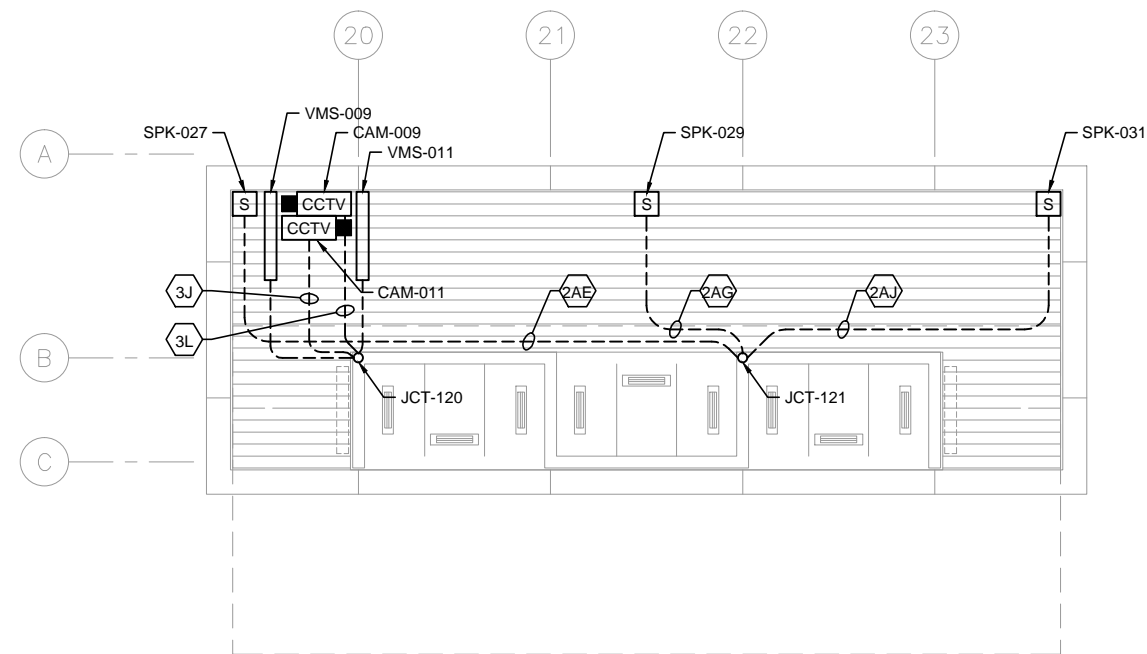
KEYNOTES:

1.

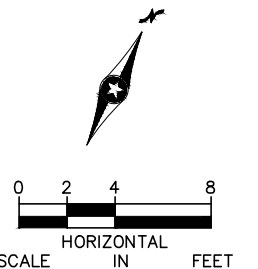
1 TRACK 1 SIDE CANOPY PLAN – MIDDLE  
SCALE: 1/8"=1'-0"



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"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM** **MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**LOUISIANA STATION**  
**COMMUNICATIONS**  
**CANOPY PLAN - TRACK 1 SIDE**

DISCIPLINE:  
**ELECTRICAL**

SHEET NAME:  
**E2-LOU-ELE-PLN-421**

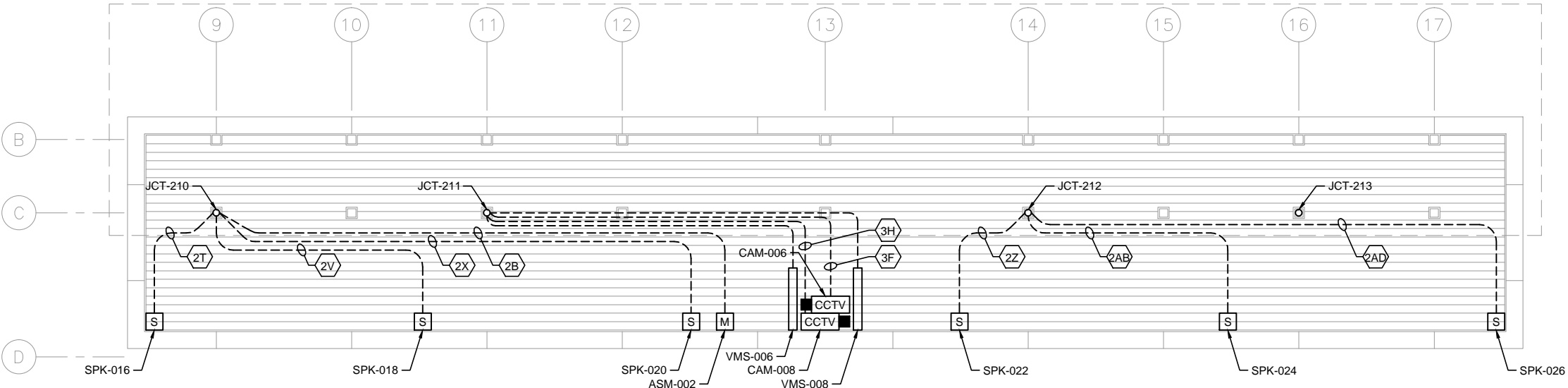
**SHEET**  
**134**  
**OF**  
**319**



Sep. 25 2015 09:06 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-LOU-ELE-PLN-422.dwg By: FergTK

GENERAL NOTES:

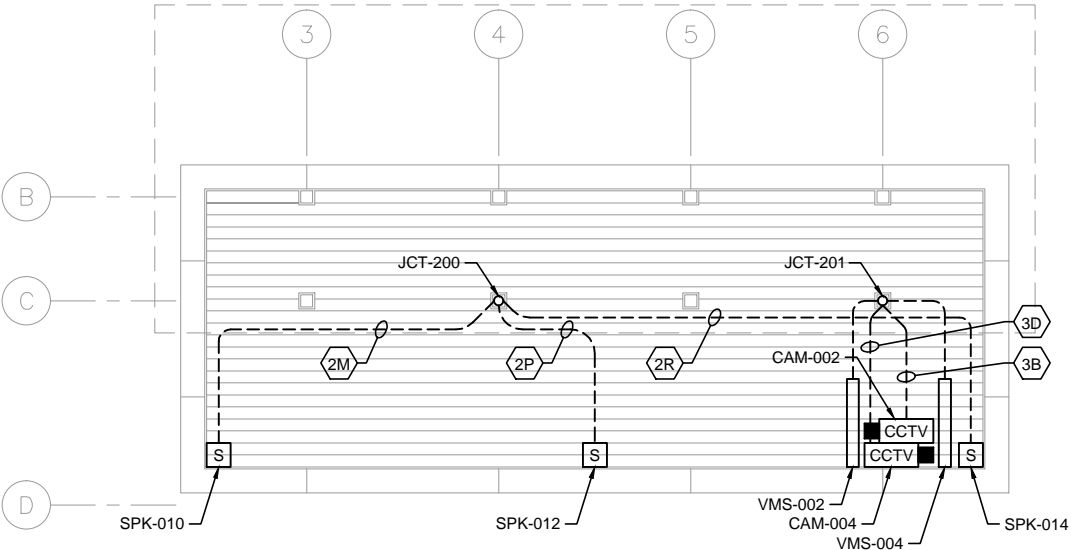
1.



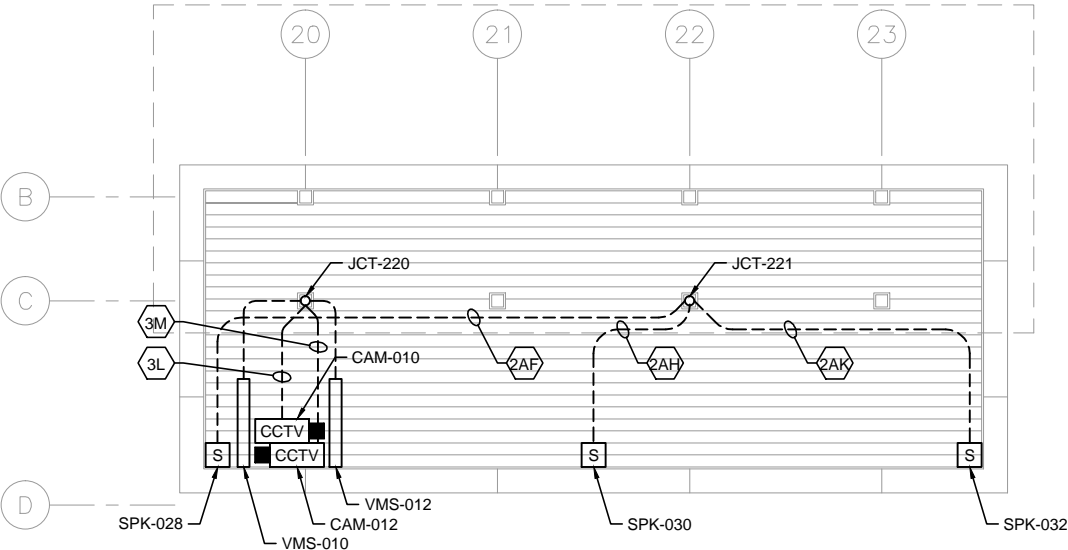
KEYNOTES:

1.

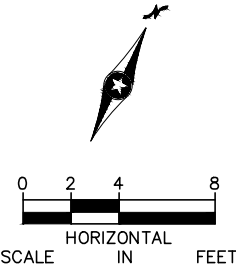
1 TRACK 2 SIDE CANOPY PLAN – MIDDLE  
SCALE: 1/8"=1'-0"



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"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM** **MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**LOUISIANA STATION**  
**COMMUNICATIONS**  
**CANOPY PLAN - TRACK 2 SIDE**

DISCIPLINE:  
**ELECTRICAL**

SHEET NAME:  
**E2-LOU-ELE-PLN-422**

**SHEET**  
**135**  
**OF**  
**319**



## COMMUNICATIONS CONDUIT SCHEDULE

[illegible]

**MP CONSULTANTS**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

**60% SUBMISSION - 09/28/15**

**CIVIL EAST - VOLUME 11A  
LOUISIANA STATION  
COMMUNICATIONS  
CONDUIT SCHEDULE (1 OF 2)**

DISCIPLINE: **ELECTRICAL**

SHEET NAME: **E2-LOU-ELE-SCH-461**

**SHEET**  
**136**  
**OF**  
**319**




Sep. 25 2015 09:07 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-LOU-ELE-SCH-462.dwg By: FergTK

CONDUIT NO.	DEVICE ID	DESCRIPTION/USE	FROM	TO	CONDUIT SIZE
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"
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	LOU -JCT-101	LOU -VMS-001	1"
5B	LOU -CON-0502	VMS 2	LOU -JCT-201	LOU -VMS-002	1"
5C	LOU -CON-0503	VMS 3	LOU -JCT-101	LOU -VMS-003	1"
5D	LOU -CON-0504	VMS 4	LOU -JCT-201	LOU -VMS-004	1"
5E	LOU -CON-0505	VMS 5	LOU -JCT-111	LOU -VMS-005	1"
5F	LOU -CON-0506	VMS 6	LOU -JCT-211	LOU -VMS-006	1"
5G	LOU -CON-0507	VMS 7	LOU -JCT-111	LOU -VMS-007	1"
5H	LOU -CON-0508	VMS 8	LOU -JCT-211	LOU -VMS-008	1"
5J	LOU -CON-0509	VMS 9	LOU -JCT-120	LOU -VMS-009	1"
5K	LOU -CON-0510	VMS 10	LOU -JCT-220	LOU -VMS-010	1"
5L	LOU -CON-0511	VMS 11	LOU -JCT-120	LOU -VMS-011	1"
5M	LOU -CON-0512	VMS 12	LOU -JCT-220	LOU -VMS-012	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"

1

COMMUNICATIONS CONDUIT SCHEDULE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL	<div><div><div>AECOM</div><div>MP Consultants</div><div>CONSULTING ENGINEERING MINNEAPOLIS • MINNESOTA</div></div></div>		<div><div><div>METROPOLITAN COUNCIL</div><div>SOUTHWEST</div><div>Green Line LRT Extension</div></div><div></div></div>		CIVIL EAST - VOLUME 11A LOUISIANA STATION COMMUNICATIONS CONDUIT SCHEDULE (2 OF 2)		SHEET 137 OF 319
										60% SUBMISSION - 09/28/15		DISCIPLINE: ELECTRICAL



## 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)  
5416 SQUARE FEET (NET AREA AFTER STRUCTURAL ELEMENTS, FIXTURES AND PERMANENTLY INSTALLED FURNISHINGS ARE REMOVED)

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 = 5420 S.F. / 15 S.F./OCC = 361  
 REQUIRED EGRESS WIDTH = 361 X 0.2 = 72" (PER 1005.3.2)  
 WIDTH PROVIDED = 2 RAMPS AT 145" = 290"  
 2 MEANS OF EGRESS PROVIDED

## PLATFORM COLOR AND FINISH SCHEDULE

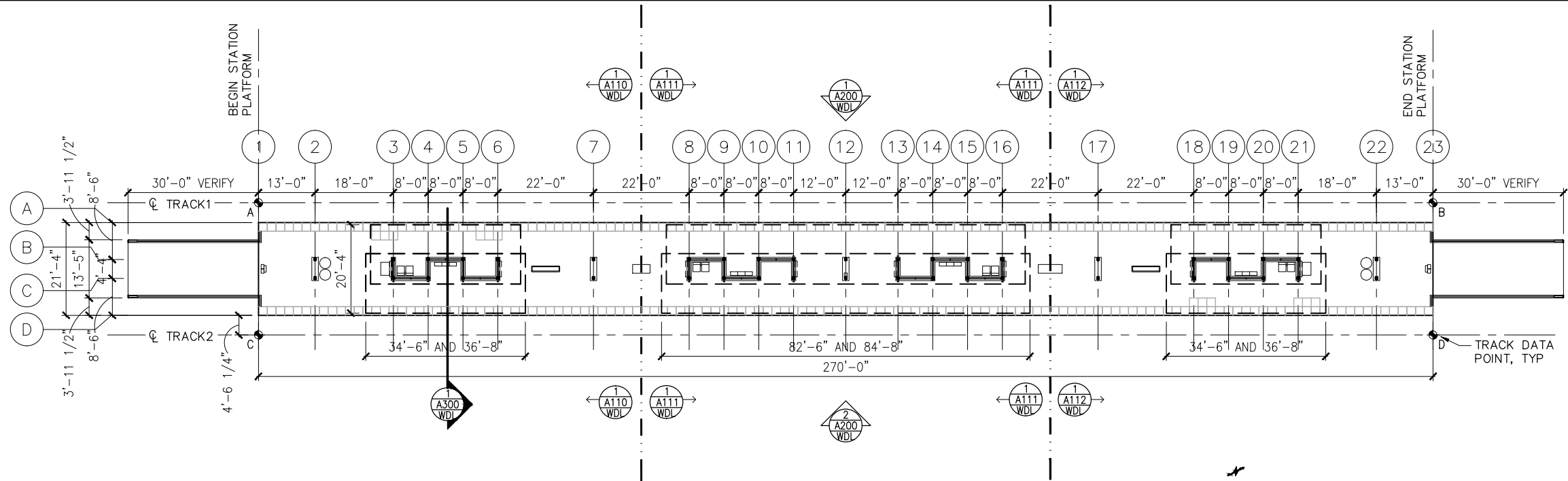
SEE STATION SPECIFICATIONS FOR MATERIAL IDENTIFICATION

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	TBD	CEMSTONE MENDOTA BUFF	TBD	SS CABLE	CLEAR ANODIZED	HUNTER DOUGLAS WOODWRIGHT 8449 WINDJAMMER TEAK	ALUCOBOND NATURAL ZINC	TBD

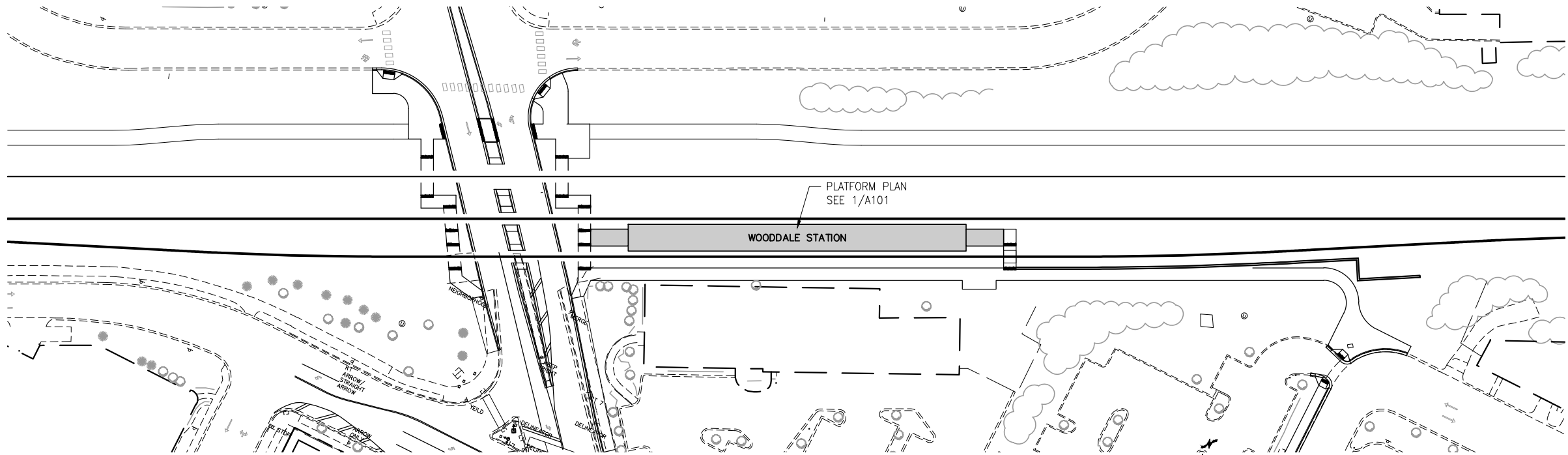
NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL	<div></div>	<div></div>	CIVIL EAST - VOLUME 11A WOODDALE STATION CODE SUMMARY / FINISH SCHEDULE		SHEET  138  OF  319
60% SUBMISSION - 09/28/15						DISCIPLINE: ARCHITECTURE		SHEET NAME: E2-WDL-ARC-COD-010		



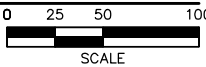
Sep. 21 2015 09:06 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-PLN-101.dwg By: V-IyerN



1 PLATFORM PLAN  
SCALE: 1"=30'



2 STATION AREA PLAN  
SCALE: 1"=100'



TRACK DATA

ELEV 100'-0" (LOCATION ON PLAN)

TRACK 1 EL 100'-0"=     xxx.xx (PT 'A')

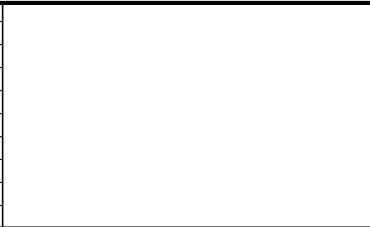
POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING
A	xxx.xx	xxxx+xx.xx
B	xxx.xx	xxxx+xx.xx

TRACK 2 EL 100'-0"=     xxx.xx (PT 'C')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING
C	xxx.xx	xxxx+xx.xx
D	xxx.xx	xxxx+xx.xx

SECTION DIAGRAM AT PLATFORM EDGE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



AECOM

60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 11A

WOODDALE STATION

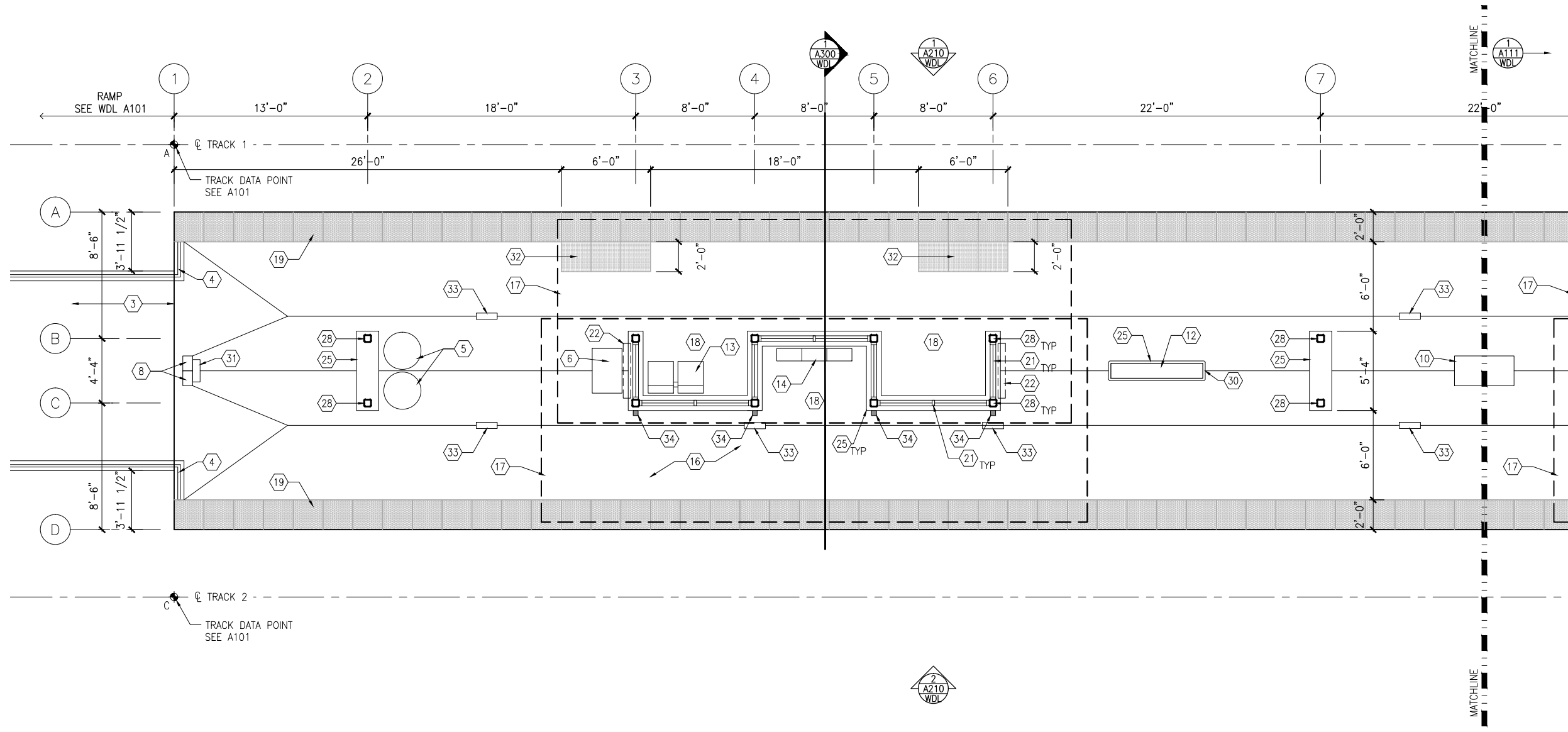
PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

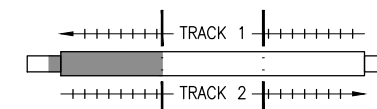
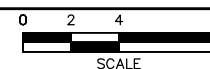
SHEET NAME: E2-WDL-ARC-PLN-101



Sep. 21 2015 09:06 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-PLN-110.dwg By: V-IyerN



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



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

## KEY NOTES - (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE (FINAL LOCATIONS ARE TBD)
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
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN
34. PRE-FINISHED METAL DOWNSPOUT

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**WOODDALE STATION**  
**WEST PARTIAL PLATFORM PLAN**

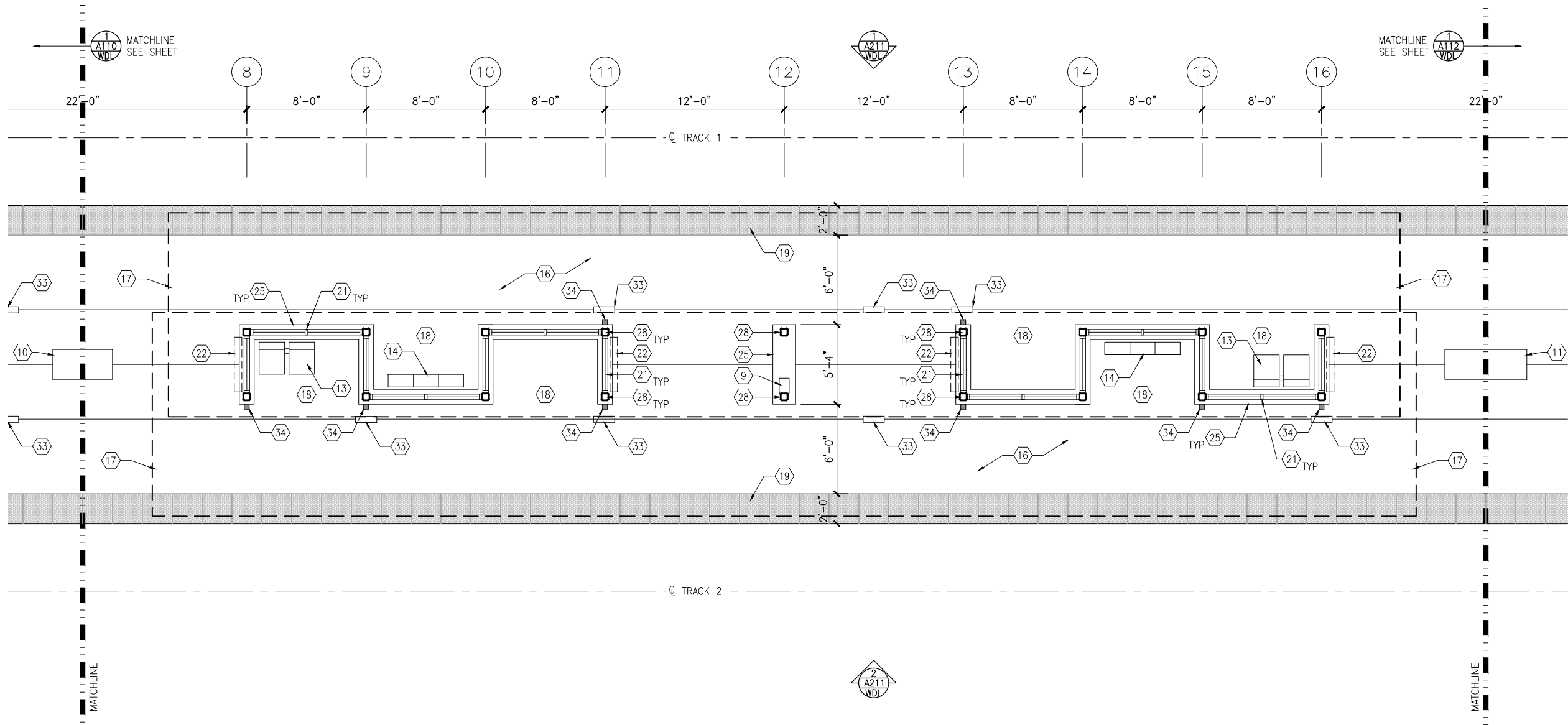
DISCIPLINE: **ARCHITECTURE**

SHEET NAME: **E2-WDL-ARC-PLN-110**

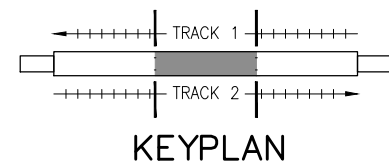
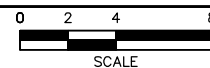
**SHEET**  
**140**  
**OF**  
**319**



Sep. 21 2015 09:07 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-PLN-111.dwg By: V-Iyer/N



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



## 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

## KEY NOTES - (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE (FINAL LOCATIONS ARE TBD)
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
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN
34. PRE-FINISHED METAL DOWNSPOUT

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**WOODDALE STATION**  
**MIDDLE PARTIAL PLATFORM PLAN**

DISCIPLINE:  
**ARCHITECTURE**

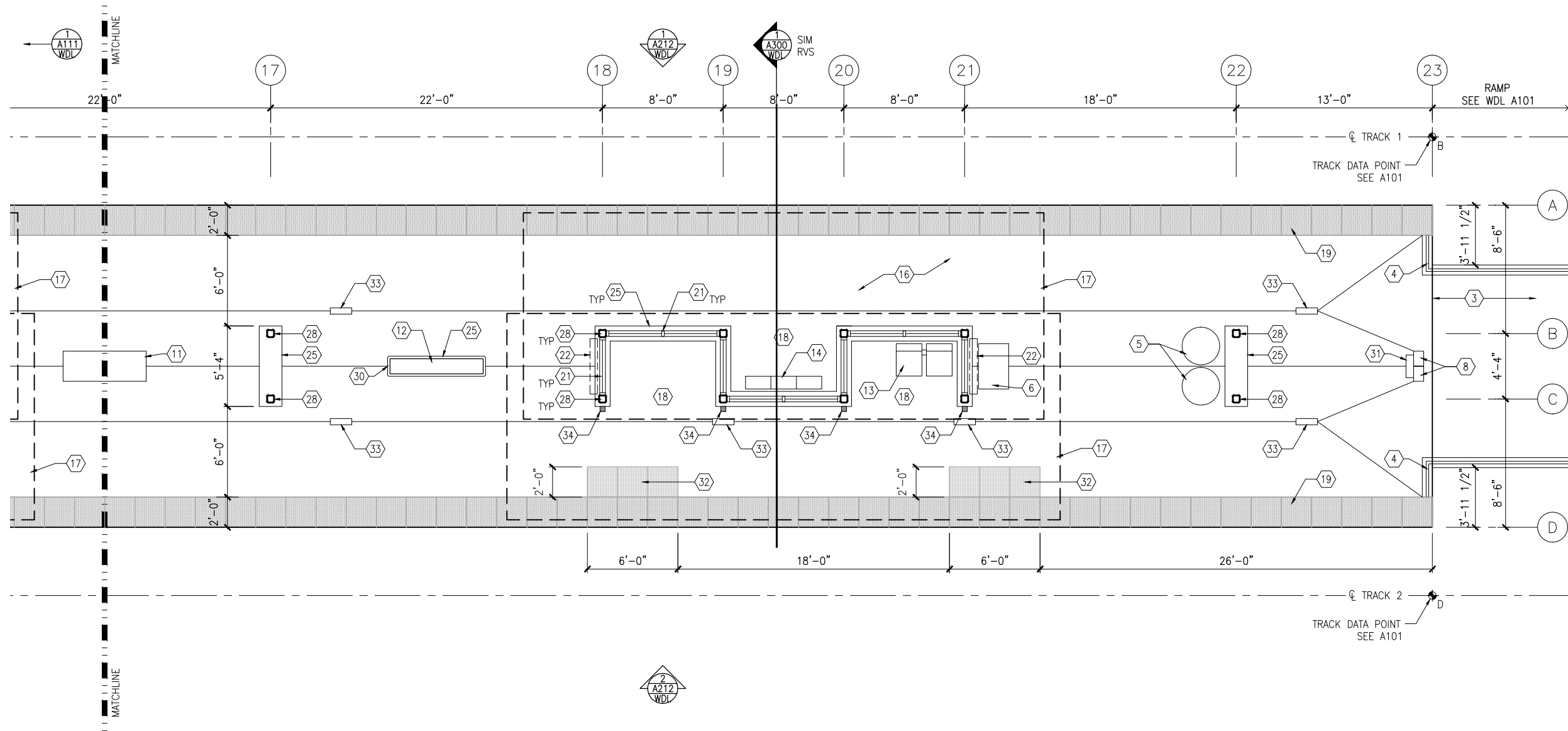
SHEET NAME:  
**E2-WDL-ARC-PLN-111**

**SHEET**  
**141**  
**OF**  
**319**

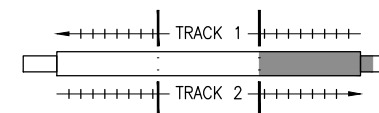
**60% SUBMISSION - 09/28/15**



Sep. 21 2015 09:07 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-PLN-112.dwg By: V-IyerN



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



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

## KEY NOTES - (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE (FINAL LOCATIONS ARE TBD)
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
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN
34. PRE-FINISHED METAL DOWNSPOUT

**AECOM**



**CIVIL EAST - VOLUME 11A  
WOODDALE STATION  
EAST PARTIAL PLATFORM PLAN**

DISCIPLINE:  
**ARCHITECTURE**

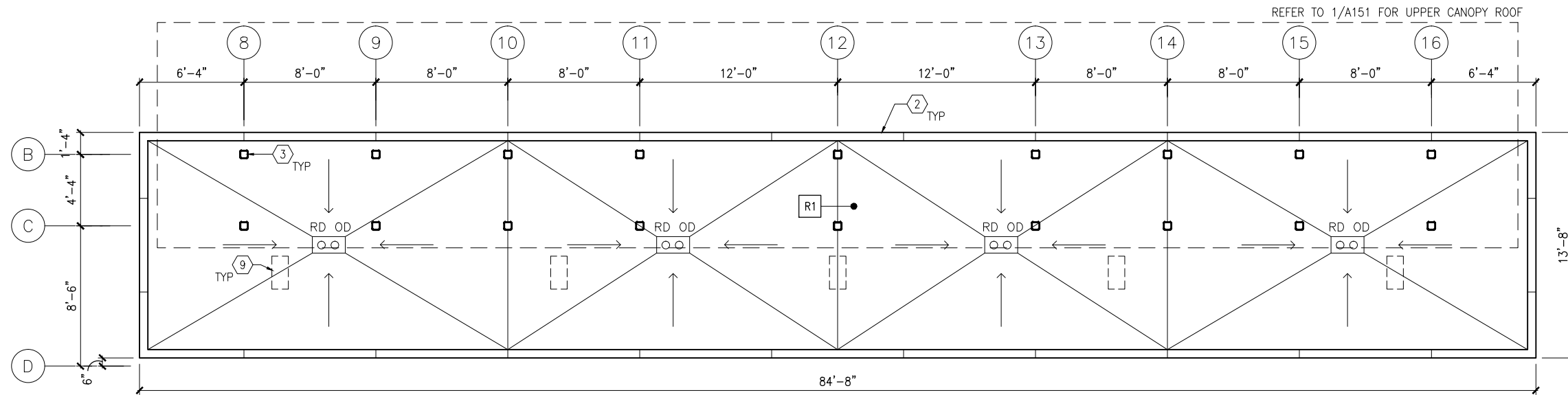
SHEET NAME:  
**E2-WDL-ARC-PLN-112**

**60% SUBMISSION - 09/28/15**

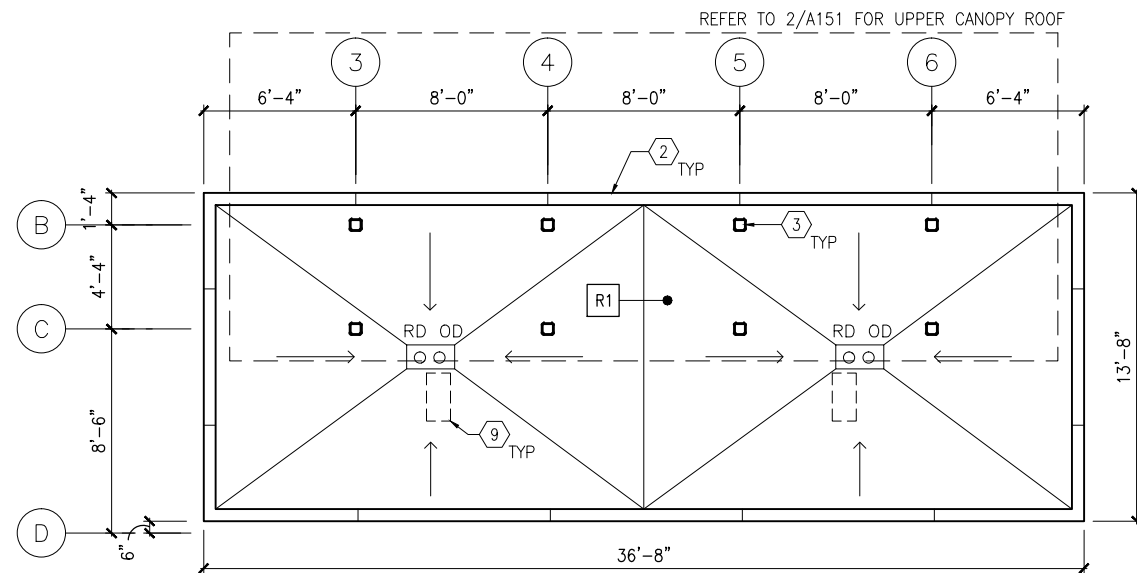
**SHEET  
142  
OF  
319**



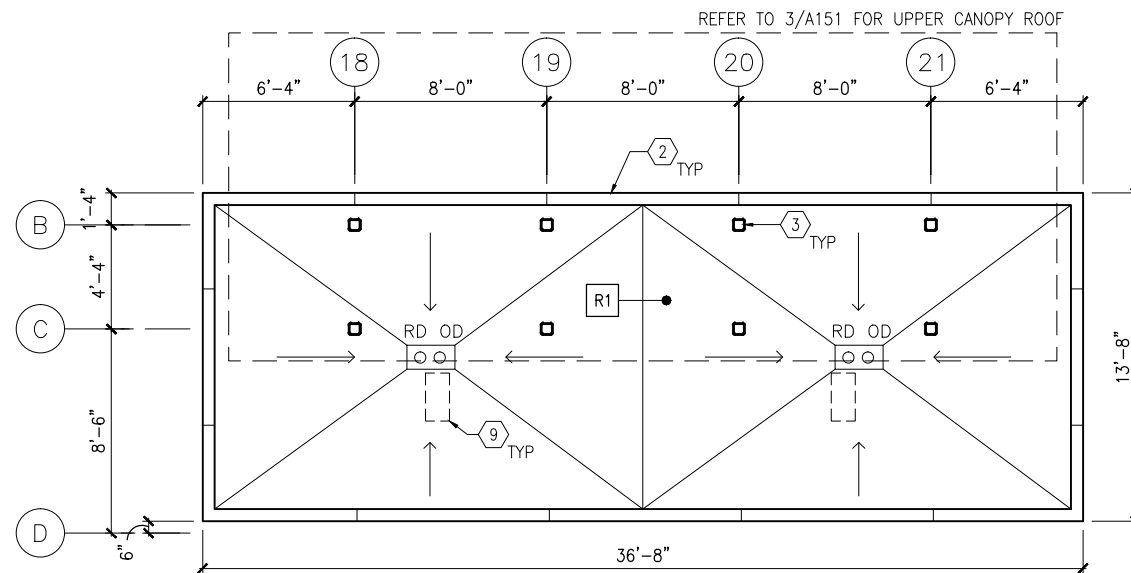
Sep. 21 2015 09:08 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-PLN-150 .dwg By: V-IyerN



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



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



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

## GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. ROOF SLOPE IS 1/8" PER FT UNO

## 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. PRE-FINISHED METAL DOWNSPOUT
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<sub>u</sub> INSULATION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
WOODDALE STATION  
LOWER ROOF PLANS**

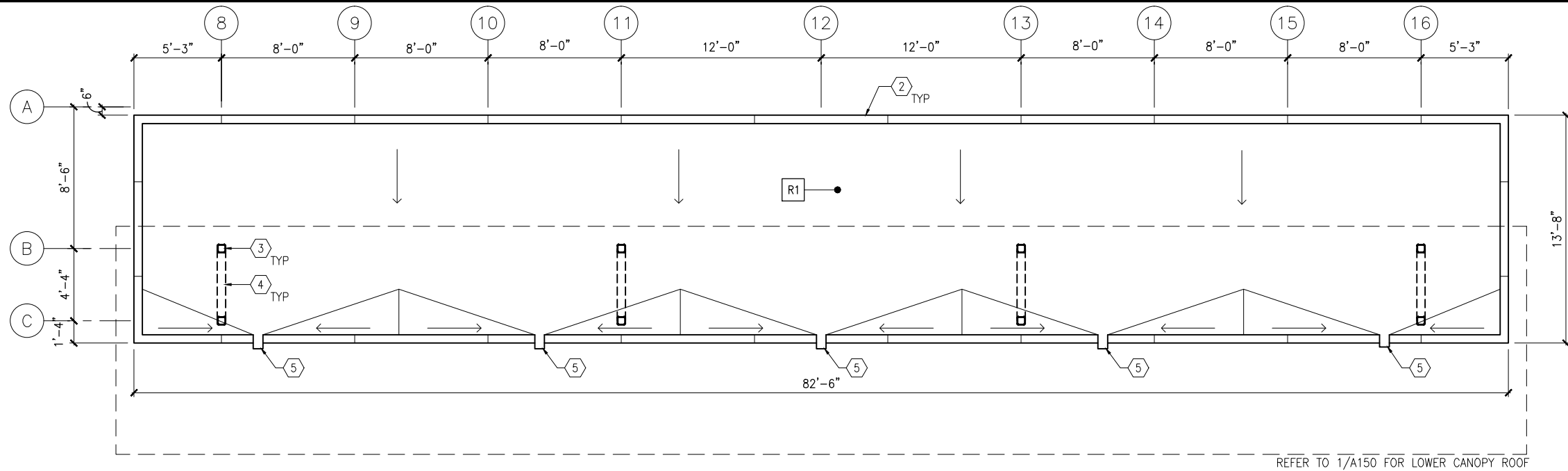
DISCIPLINE: **ARCHITECTURE**

SHEET NAME: **E2-WDL-ARC-PLN-150**

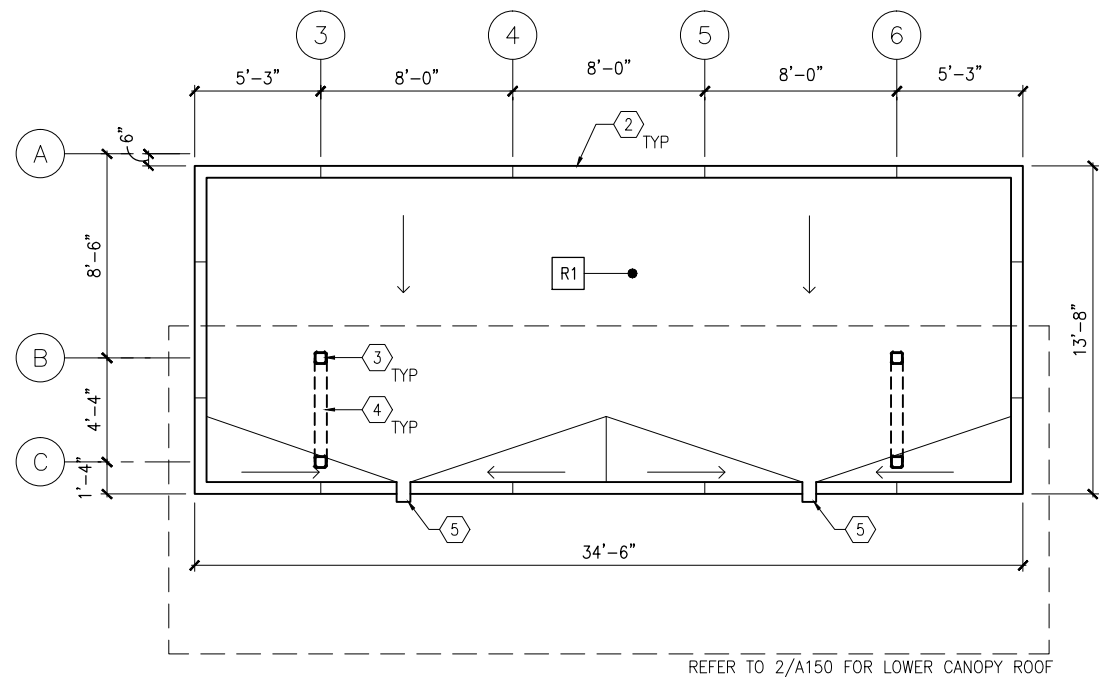
**SHEET**  
**143**  
**OF**  
**319**



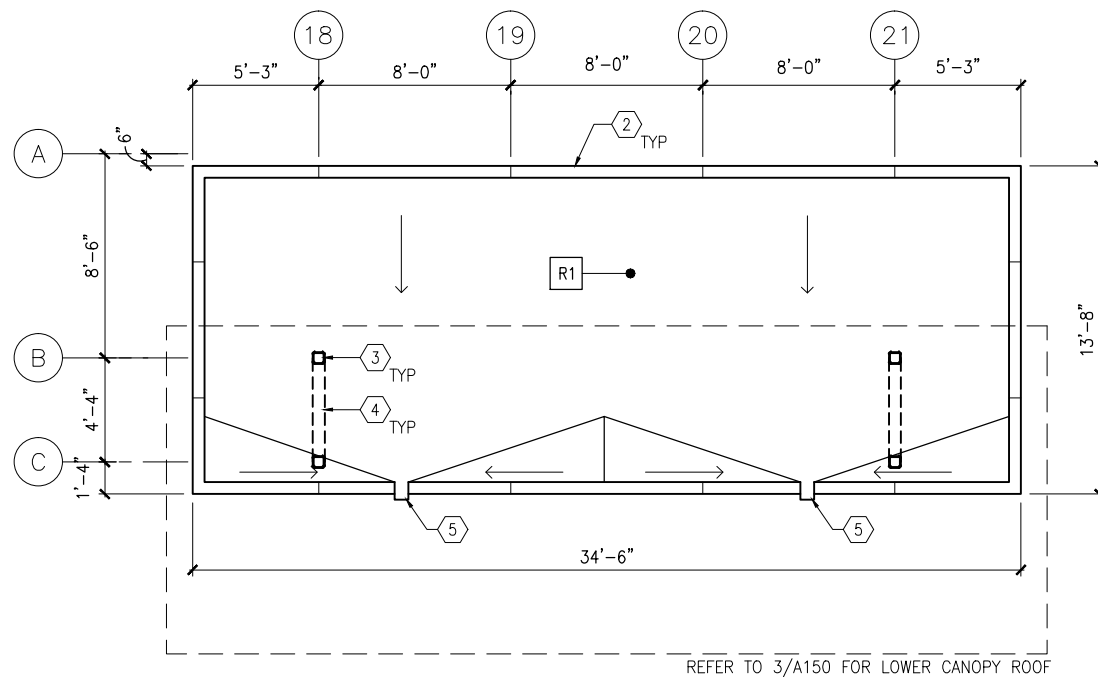
Sep. 21 2015 09:08 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-PLN-151.dwg By: V-IyerN



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

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- ROOF SLOPE IS 1/8" PER FT UNO

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

- ALUMINUM STOREFRONT AND TRANSLUCENT GLAZING SYSTEM
- ALUMINUM COMPOSITE PANEL COPING
- STEEL COLUMN - SEE STRUCTURAL
- STEEL BEAM ABOVE - SEE STRUCTURAL
- PREFINISHED METAL SCUPPER
- PREFINISHED METAL GUTTER, SLOPE TO DOWNSPOUTS
- ROOF BASE FLASHING
- SUMP
- CONCRETE SPLASH BLOCK
- PRE-FINISHED METAL DOWNSPOUT
- ROOF EXPANSION JOINT
- BUILDING EXPANSION JOINT
- VENT THROUGH ROOF - SEE PLUMB
- INTEGRAL ROOF GUTTER - SLOPE TO DOWNSPOUTS BELOW
- 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

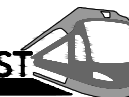
NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A  
WOODDALE STATION  
UPPER ROOF PLANS**

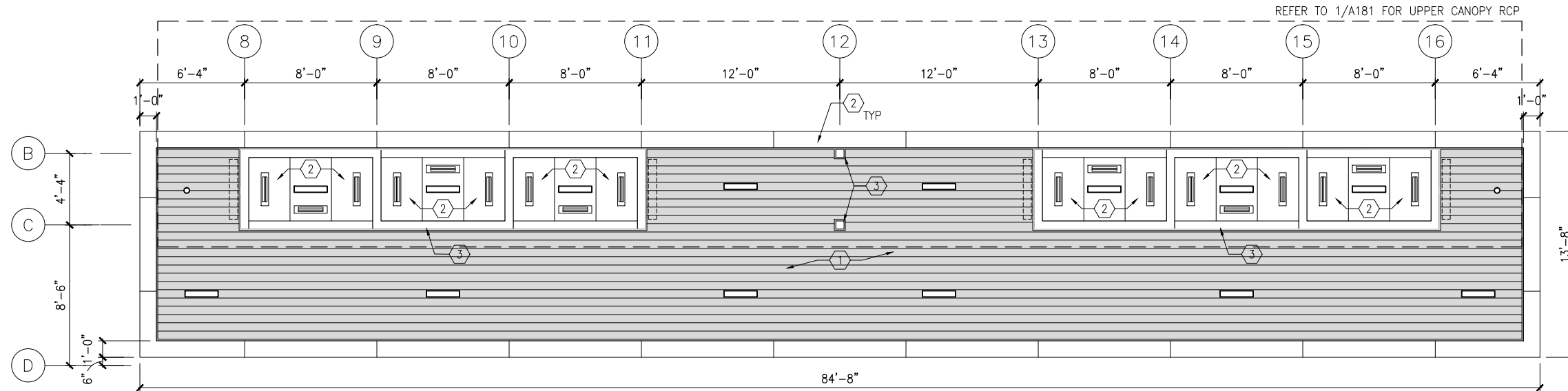
DISCIPLINE: **ARCHITECTURE**

SHEET NAME: **E2-WDL-ARC-PLN-151**

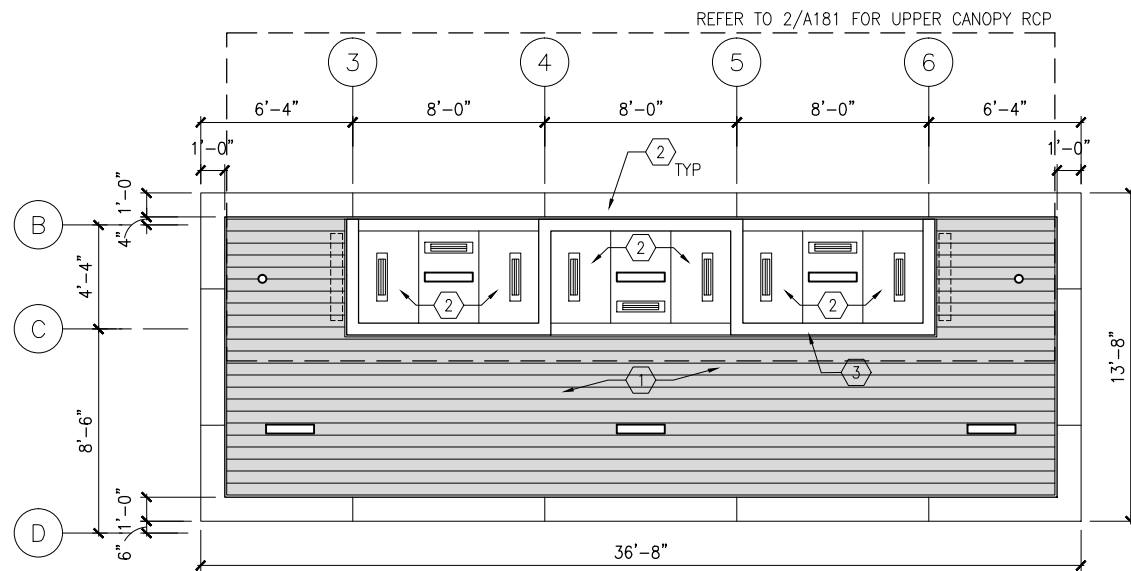
**SHEET  
144  
OF  
319**



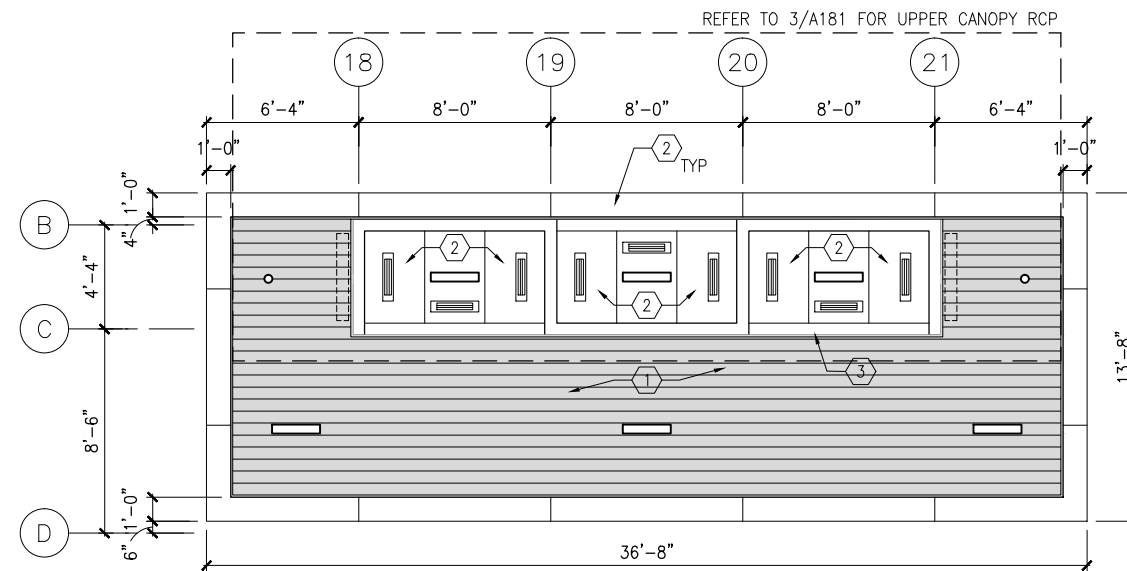
Sep. 21 2015 09:09 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-RCP-180.dwg By: V-IyerN



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

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

## KEY NOTES - #

- NOTE: ALL KEYNOTES MAY NOT BE USED
- EXTERIOR LINEAR METAL CEILING SOFFIT IN SHADED AREA
  - ALUMINUM COMPOSITE PANEL SOFFIT
  - PROVIDE MATCHING CEILING TRIM AROUND STEEL COLUMN AND/OR SHELTERS
  - PRECAST CONCRETE WALKWAY - SEE STRUCTURAL
  - PRECAST CONCRETE STAIR - SEE STRUCTURAL
  - EXPOSED STRUCTURE - SEE STRUCTURAL
  - ACOUSTIC CEILING
  - HINGED PANELS FOR EQUIPMENT ACCESS

## LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- SPEAKER
- MICROPHONE
- SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- LAY-IN CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
WOODDALE STATION  
REFLECTED CEILING PLANS**

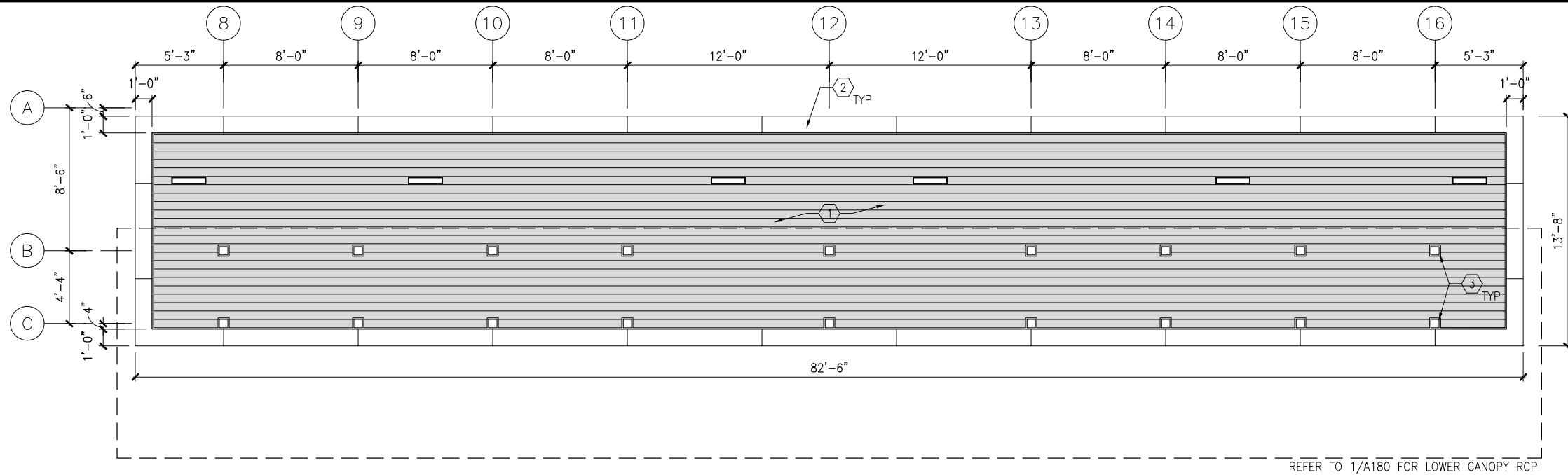
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E2-WDL-ARC-RCP-180**

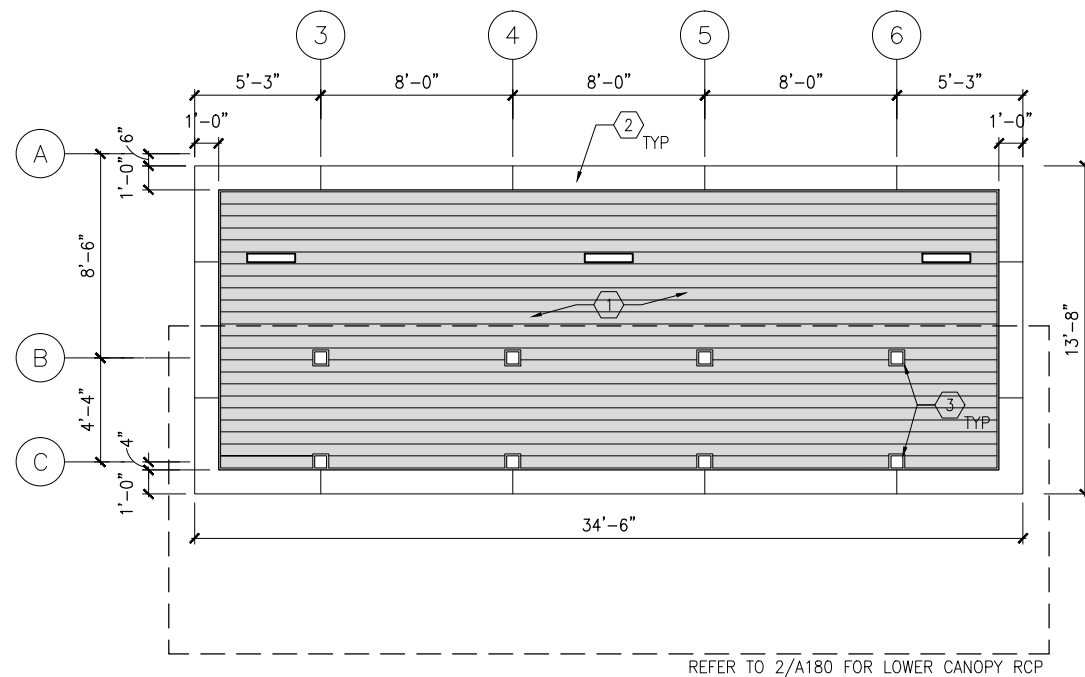
**SHEET  
145  
OF  
319**



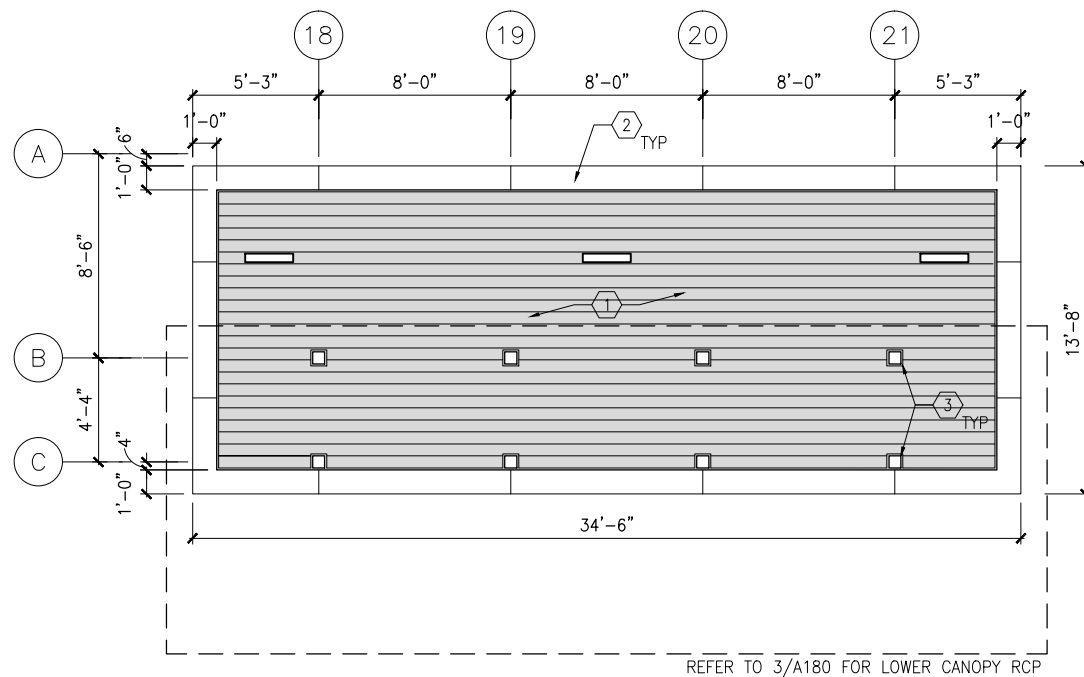
Sep. 21 2015 09:09 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-RCP-181.dwg By: V-IyerN



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

## 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. PRECAST CONCRETE WALKWAY – SEE STRUCTURAL
5. PRECAST CONCRETE STAIR – SEE STRUCTURAL
6. EXPOSED STRUCTURE – SEE STRUCTURAL
7. ACOUSTIC CEILING
8. HINGED PANELS FOR EQUIPMENT ACCESS

## LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- SPEAKER
- MICROPHONE
- SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- LAY-IN CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING

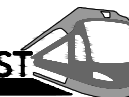
NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**WOODDALE STATION**  
**REFLECTED CEILING PLANS**

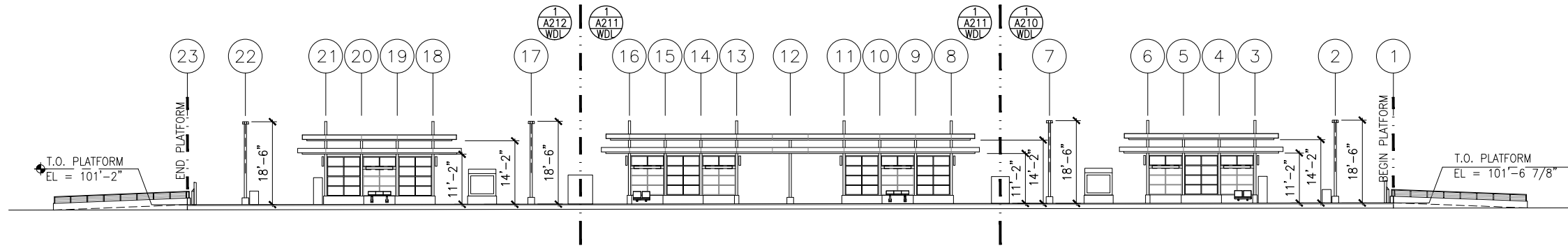
DISCIPLINE: **ARCHITECTURE**

SHEET NAME: **E2-WDL-ARC-RCP-181**

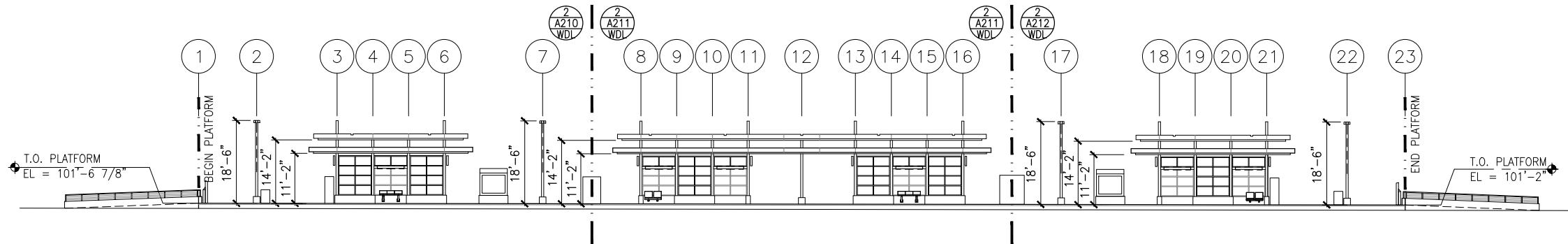
**SHEET**  
**146**  
**OF**  
**319**



Sep. 21 2015 09:10 am V:\3400\_ADC\CAD\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-ELV-200.DWG By: V-IyerN



1 TRACK 1 ELEVATION  
SCALE: 1"=30' (-0.15% SLOPE)\*



2 TRACK 2 ELEVATION  
SCALE: 1"=30' (-0.15% SLOPE)\*

#### 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

\*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A  
WOODDALE STATION  
ELEVATIONS**

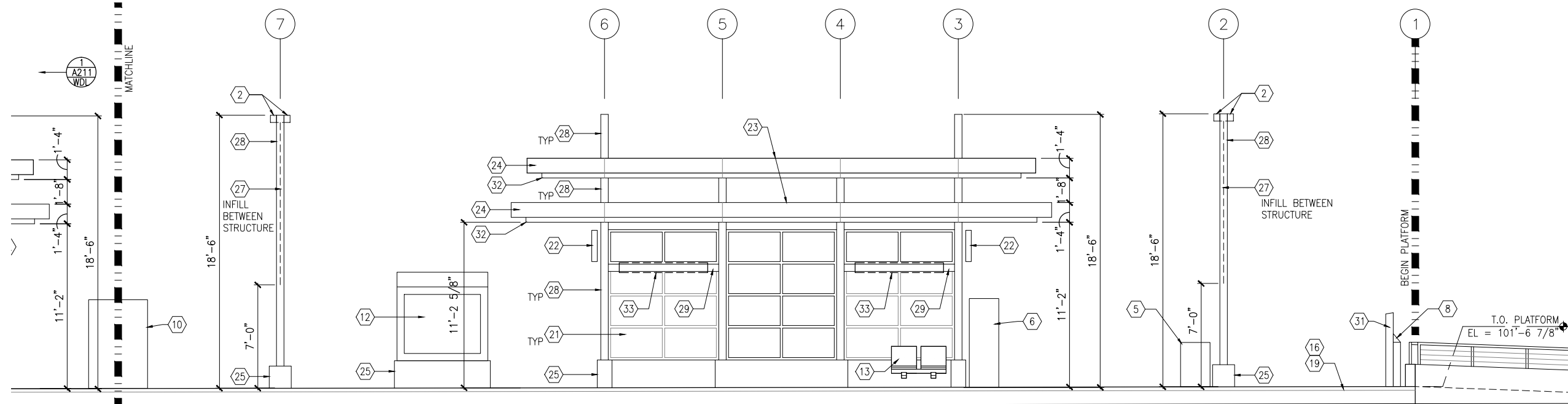
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E2-WDL-ARC-ELV-200**

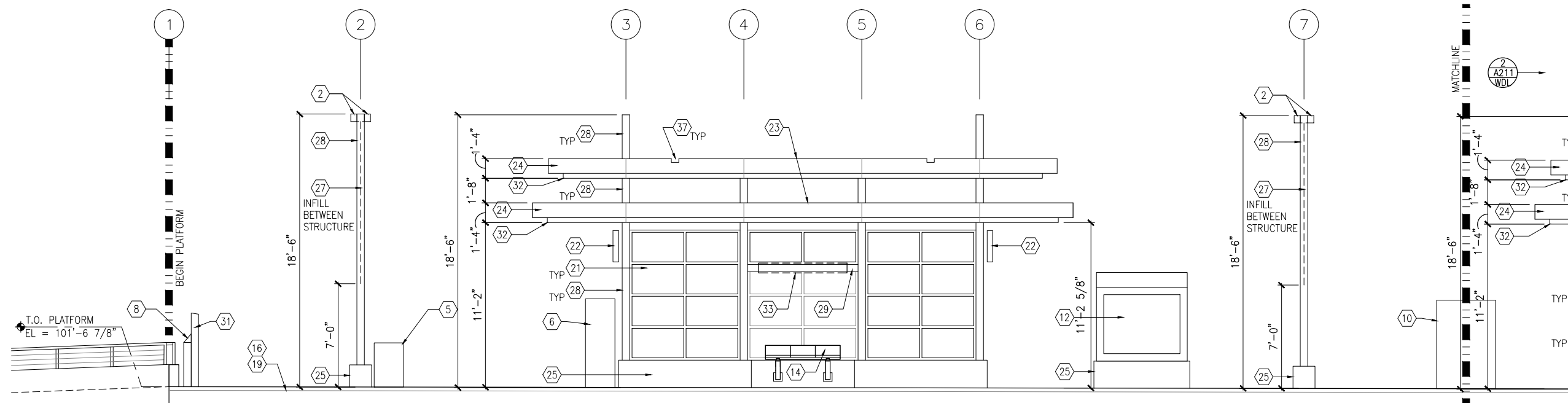
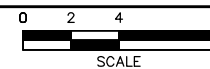
**SHEET**  
**147**  
**OF**  
**319**



Sep. 21 2015 09:10 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-ELV-210 .dwg By: V-ljyerf



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



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



## 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

## KEY NOTES – #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
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
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 – SEE STRUCT
36. PRE-FINISHED METAL DOWNSPOUT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. RAIN WATER LEADER – SEE PLUMBING
41. NOT USED
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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**WOODDALE STATION**  
**WEST PARTIAL ELEVATIONS**

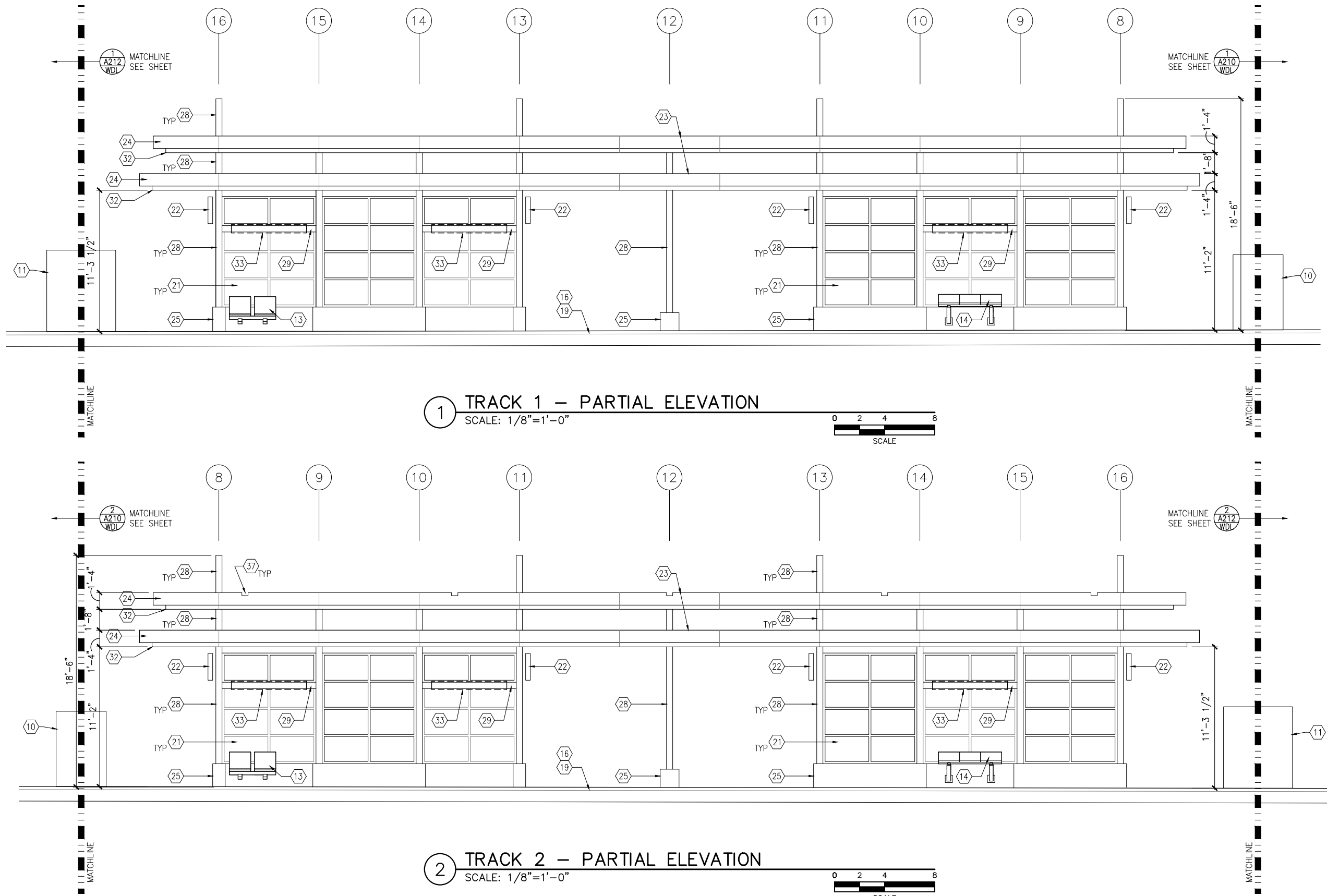
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E2-WDL-ARC-ELV-210**

**SHEET**  
**148**  
**OF**  
**319**



Sep. 21 2015 09:11 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-ELV-211.dwg By: V-IyerN



## GENERAL SHEET NOTES

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

## KEY NOTES – #

NOTE: ALL KEYNOTES MAY NOT BE USED

- ENTRY MARKER
- LIGHT MOUNTED TO STRUCTURE
- ACCESS RAMP
- HAND RAIL
- TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
- TICKET VENDING MACHINE
- FUTURE TICKET VENDING MACHINE
- STORED VALUE VALIDATOR
- EMERGENCY CALL BOX
- COMMUNICATION CABINET
- ELECTRICAL CABINET
- INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
- BENCH
- LEANING RAIL
- OVERHEAD CONTACT SYSTEM
- CONCRETE PLATFORM
- CANOPY ABOVE
- SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
- DETECTABLE WARNING AT BOARDING EDGE
- GUARD RAIL AND SAFETY SCREEN
- ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
- ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
- CONCRETE WALL
- TRANSLUCENT PLASTIC PANEL
- ARCHITECTURAL WOVEN MESH
- STEEL COLUMN – SEE STRUCTURAL
- STEEL BEAM – SEE STRUCTURAL
- WALL HYDRANT
- RIDER ALERT PANEL
- EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
- STATION SIGNAGE
- LIGHTNING ROD – SEE ELECTRICAL
- PC CONC WALL PANEL – SEE STRUCT
- PRE-FINISHED METAL DOWNSPOUT
- PRE-FIN. METAL SCUPPER
- PRE-FINISHED LOUVER
- LOUVER WITH MOTORIZED DAMPER
- RAIN WATER LEADER – SEE PLUMBING
- NOT USED
- SECONDARY STEEL FRAMING – SEE STRUCTURAL
- DOOR – SEE DOOR SCHEDULE
- PC CONC WALKWAY – SEE STRUCT
- PC CONC STAIR – SEE STRUCT
- PRE-FINISHED METAL GUTTER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
WOODDALE STATION  
MIDDLE PARTIAL ELEVATIONS**

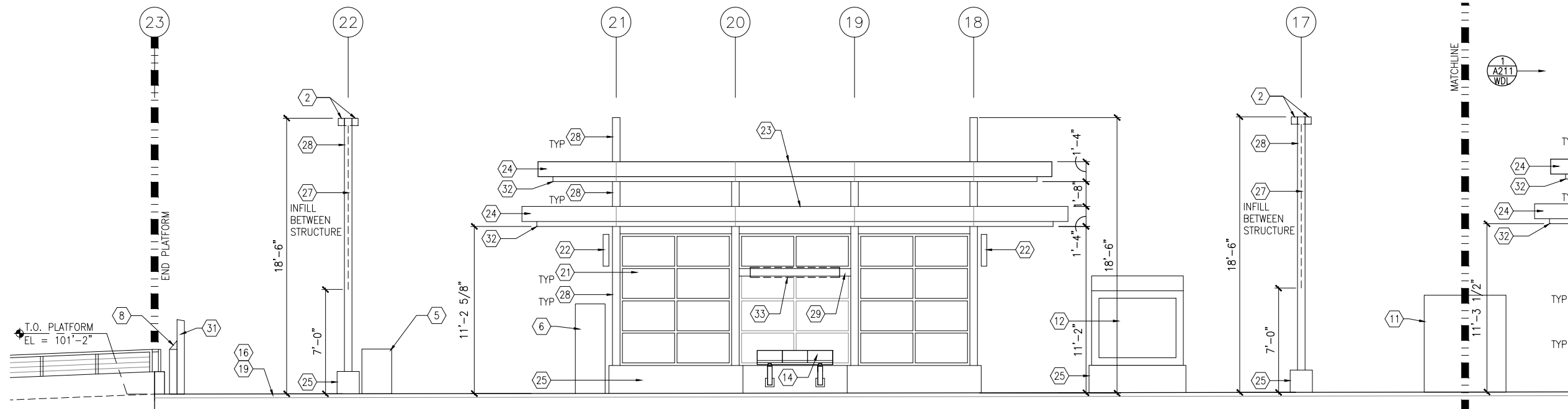
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E2-WDL-ARC-ELV-211**

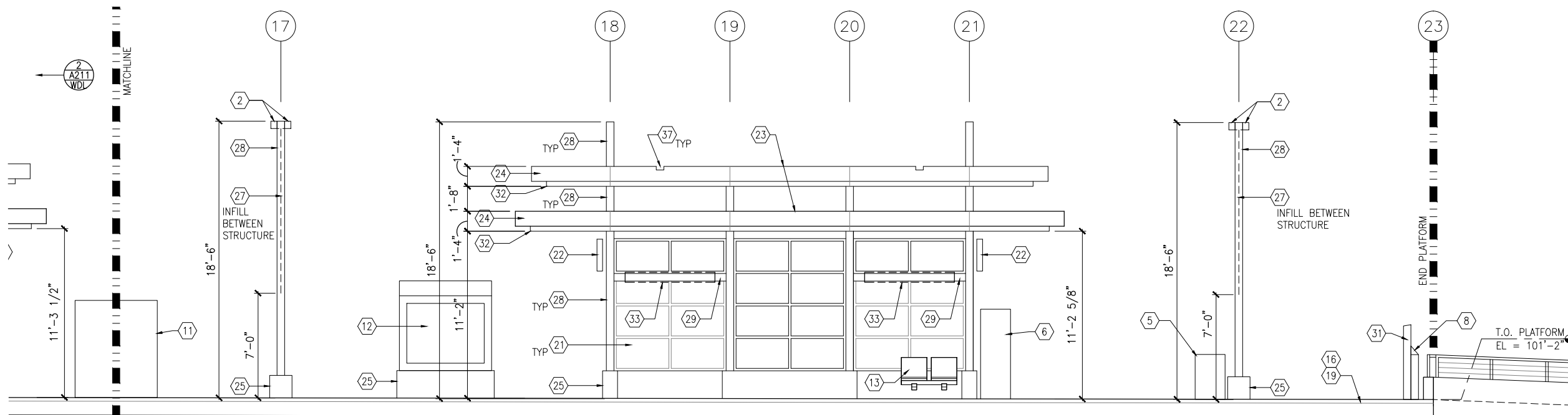
**SHEET  
149  
OF  
319**



Sep. 21 2015 09:11 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-ELV-212.dwg By: V-lyerN



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



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



## GENERAL SHEET NOTES

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

## KEY NOTES – #

NOTE: ALL KEYNOTES MAY NOT BE USED

- ENTRY MARKER
- LIGHT MOUNTED TO STRUCTURE
- ACCESS RAMP
- HAND RAIL
- TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
- TICKET VENDING MACHINE
- FUTURE TICKET VENDING MACHINE
- STORED VALUE VALIDATOR
- EMERGENCY CALL BOX
- COMMUNICATION CABINET
- ELECTRICAL CABINET
- INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
- BENCH
- LEANING RAIL
- OVERHEAD CONTACT SYSTEM
- CONCRETE PLATFORM
- CANOPY ABOVE
- SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
- DETECTABLE WARNING AT BOARDING EDGE
- GUARD RAIL AND SAFETY SCREEN
- ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
- ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
- CONCRETE WALL
- TRANSLUCENT PLASTIC PANEL
- ARCHITECTURAL WOVEN MESH
- STEEL COLUMN – SEE STRUCTURAL
- STEEL BEAM – SEE STRUCTURAL
- WALL HYDRANT
- RIDER ALERT PANEL
- EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
- STATION SIGNAGE
- LIGHTNING ROD – SEE ELECTRICAL
- PC CONC WALL PANEL – SEE STRUCT
- PRE-FINISHED METAL DOWNSPOUT
- PRE-FIN. METAL SCUPPER
- PRE-FINISHED LOUVER
- LOUVER WITH MOTORIZED DAMPER
- RAIN WATER LEADER – SEE PLUMBING
- NOT USED
- SECONDARY STEEL FRAMING – SEE STRUCTURAL
- DOOR – SEE DOOR SCHEDULE
- PC CONC WALKWAY – SEE STRUCT
- PC CONC STAIR – SEE STRUCT
- PRE-FINISHED METAL GUTTER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
WOODDALE STATION  
EAST PARTIAL ELEVATIONS**

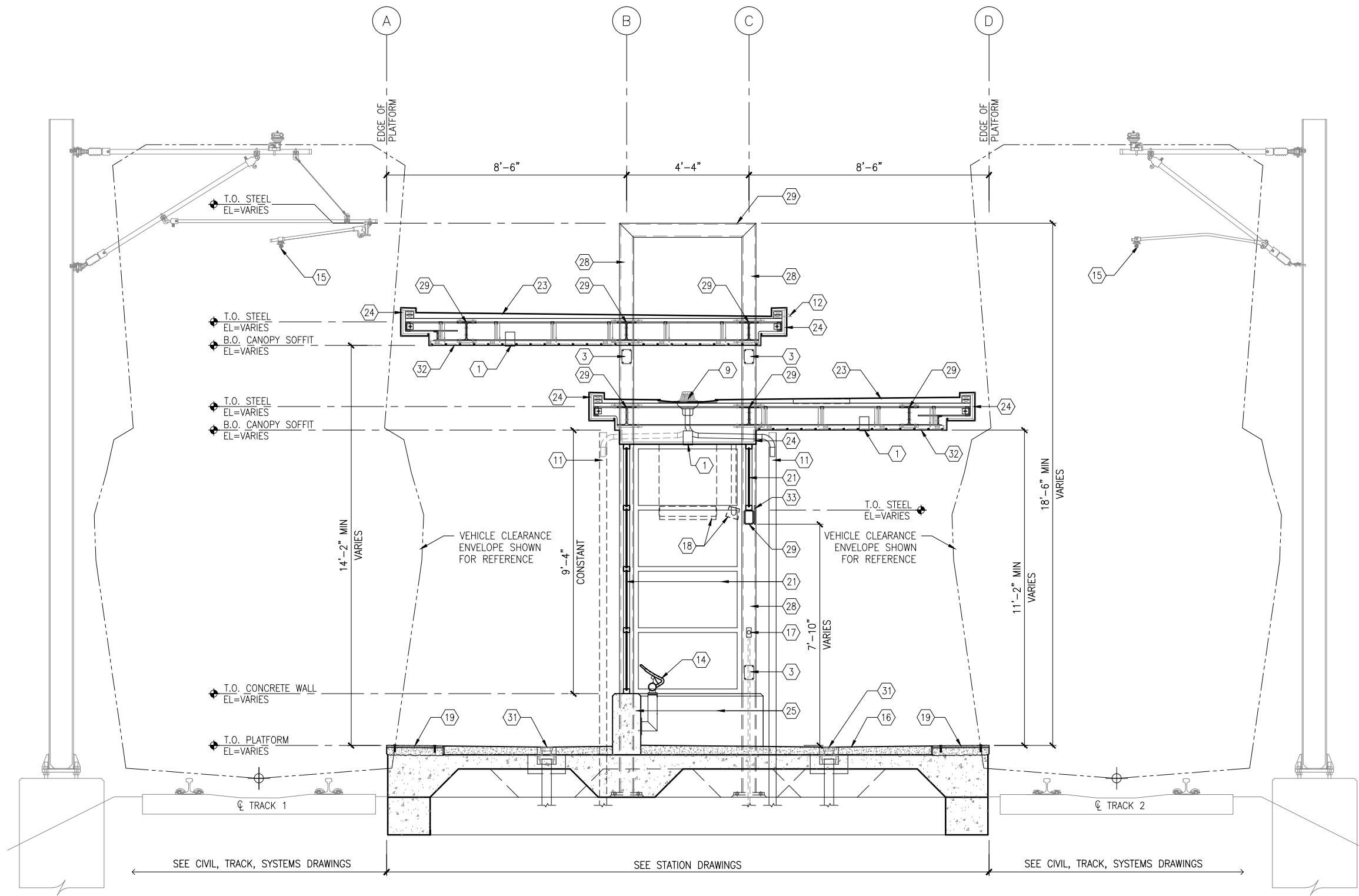
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E2-WDL-ARC-ELV-212**

**SHEET  
150  
OF  
319**



Sep. 21 2015 09:12 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\WOODDALE STATION\E2-WDL-ARC-SCT-300.dwg By: V-IyerN



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



## 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

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT
2. LIGHT MOUNTED TO STRUCTURE
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA
6. TICKET VENDING MACHINE
7. EMERGENCY TELEPHONE LIGHT
8. EMERGENCY CALL BOX
9. ROOF DRAIN
10. PRE-FINISHED METAL GUTTER
11. PRE-FINISHED METAL DOWNSPOUT
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. HEATER PUSH BUTTON CONTROLS
18. INFRARED HEATER
19. DETECTABLE WARNING PAVER AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
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
31. AREA DRAIN
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

## LEGEND

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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**WOODDALE STATION**  
**TYPICAL PLATFORM SECTION**

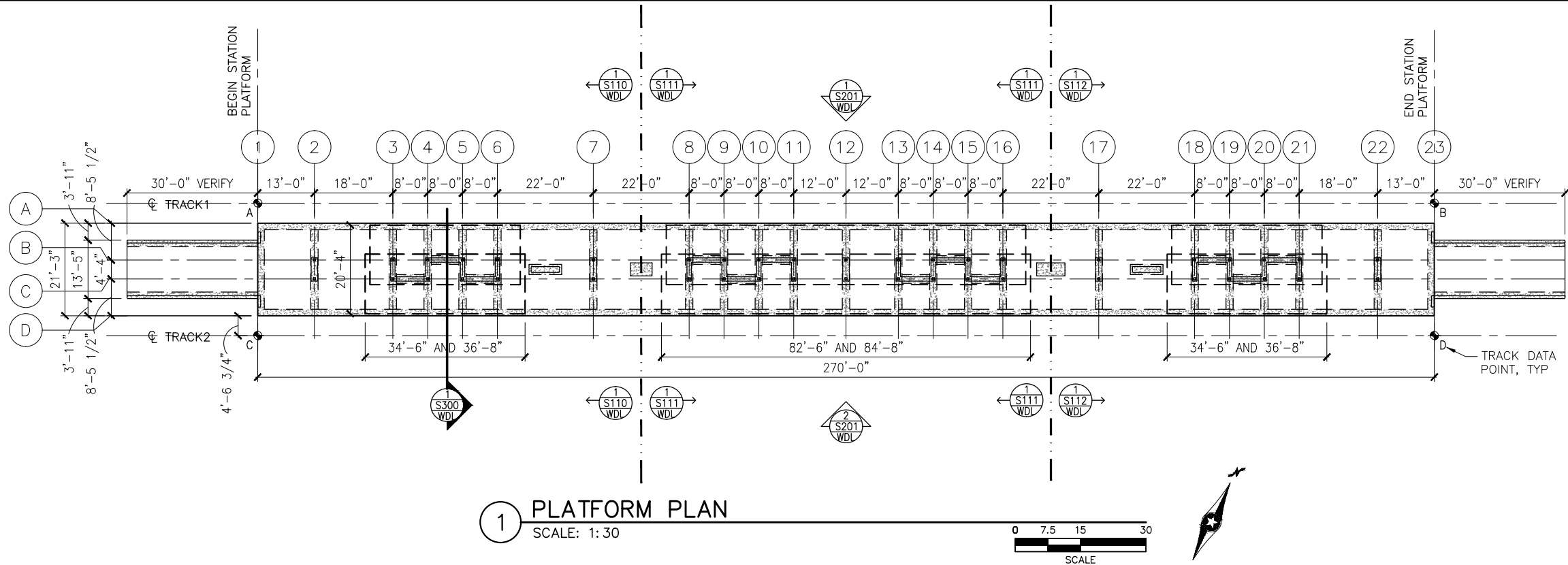
DISCIPLINE: **ARCHITECTURE**

SHEET NAME: **E2-WDL-ARC-SCT-300**

**SHEET**  
**151**  
**OF**  
**319**



Sep. 21 2015 09:03 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Wooddale\CAD\STR\E2-WDL-STR-PLN-101.dwg By: pepins



TRACK DATA

ELEV 100'-0" (LOCATION ON PLAN)

TRACK 1 EL 100'-0"=     xxx.xx (PT 'A')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING
A	xxx.xx	xxxx+xx.xx
B	xxx.xx	xxxx+xx.xx

TRACK 2 EL 100'-0"=     xxx.xx (PT 'C')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING
C	xxx.xx	xxxx+xx.xx
D	xxx.xx	xxxx+xx.xx

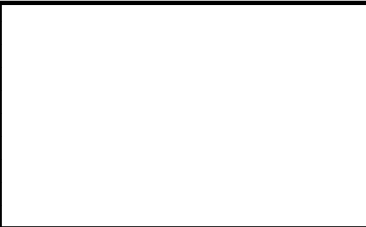
T.O. PLATFORM

T.O. PLATFORM

T.O. RAIL  
(A,B,C,D)

SECTION DIAGRAM AT PLATFORM EDGE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



AECOM

60% SUBMISSION - 9/28/15

METROPOLITAN  
COUNCIL

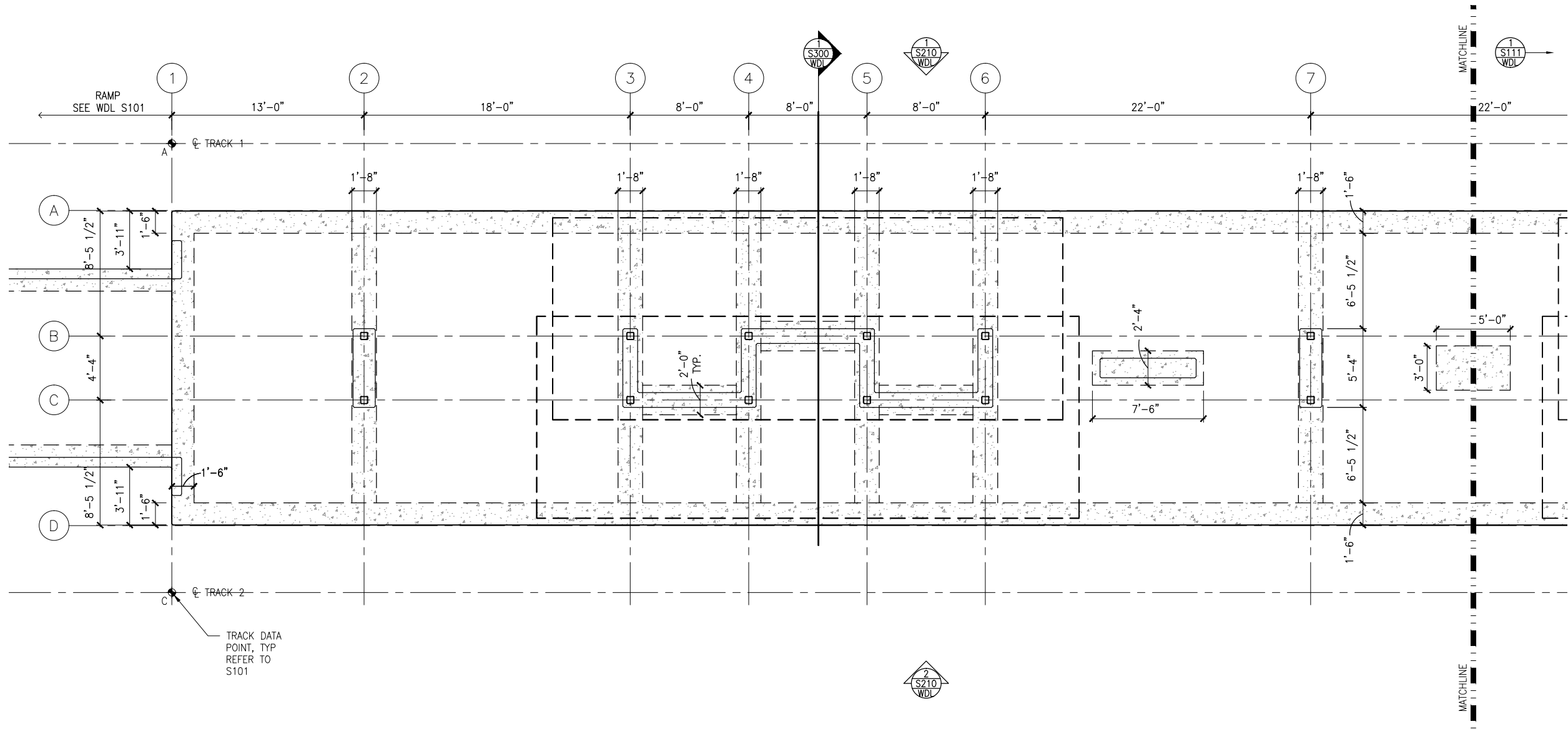
SOUTHWEST  
Green Line LRT Extension

CIVIL EAST - VOLUME 11A  
WOODDALE STATION  
PLATFORM PLAN

DISCIPLINE: STRUCTURES  
SHEET NAME: E2-WDL-STR-PLN-101

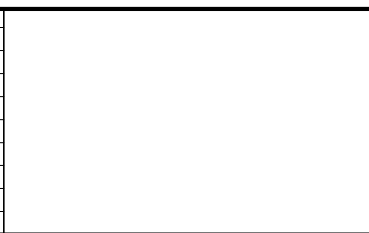


Sep. 21 2015 09:04 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Wooddale\CAD\STR\E2-WDL-STR-PLN-110.dwg By: pepins



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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15

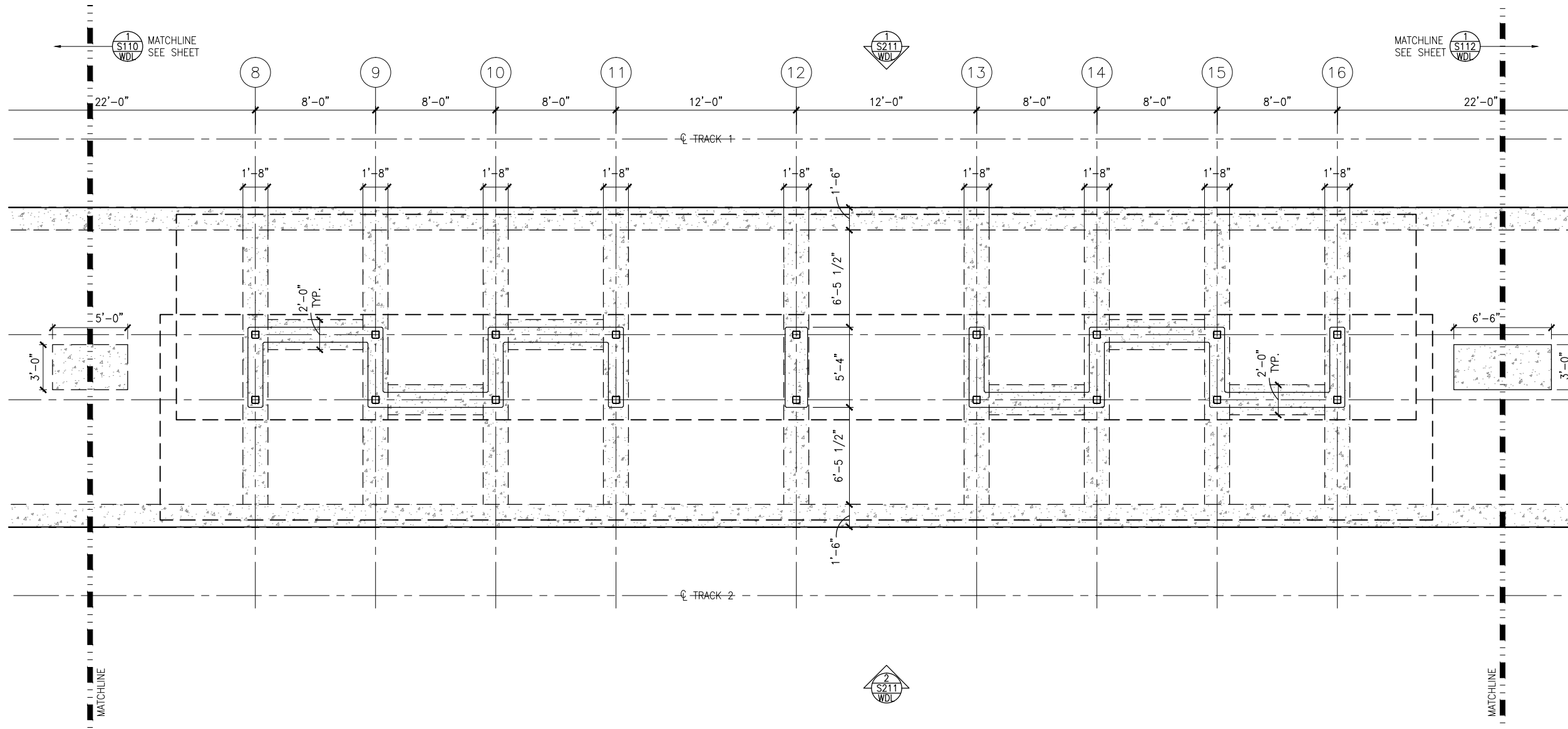


CIVIL EAST - VOLUME 11A  
WOODDALE STATION  
WEST PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES  
SHEET NAME: E2-WDL-STR-PLN-110

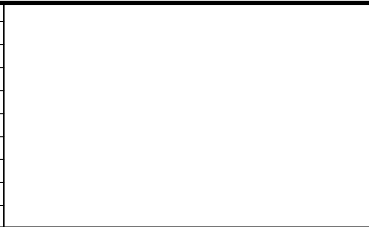


Sep. 21 2015 09:04 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Wooddale\CAD\STR\WDL-STR-PLN-111.dwg By: pepins



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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15



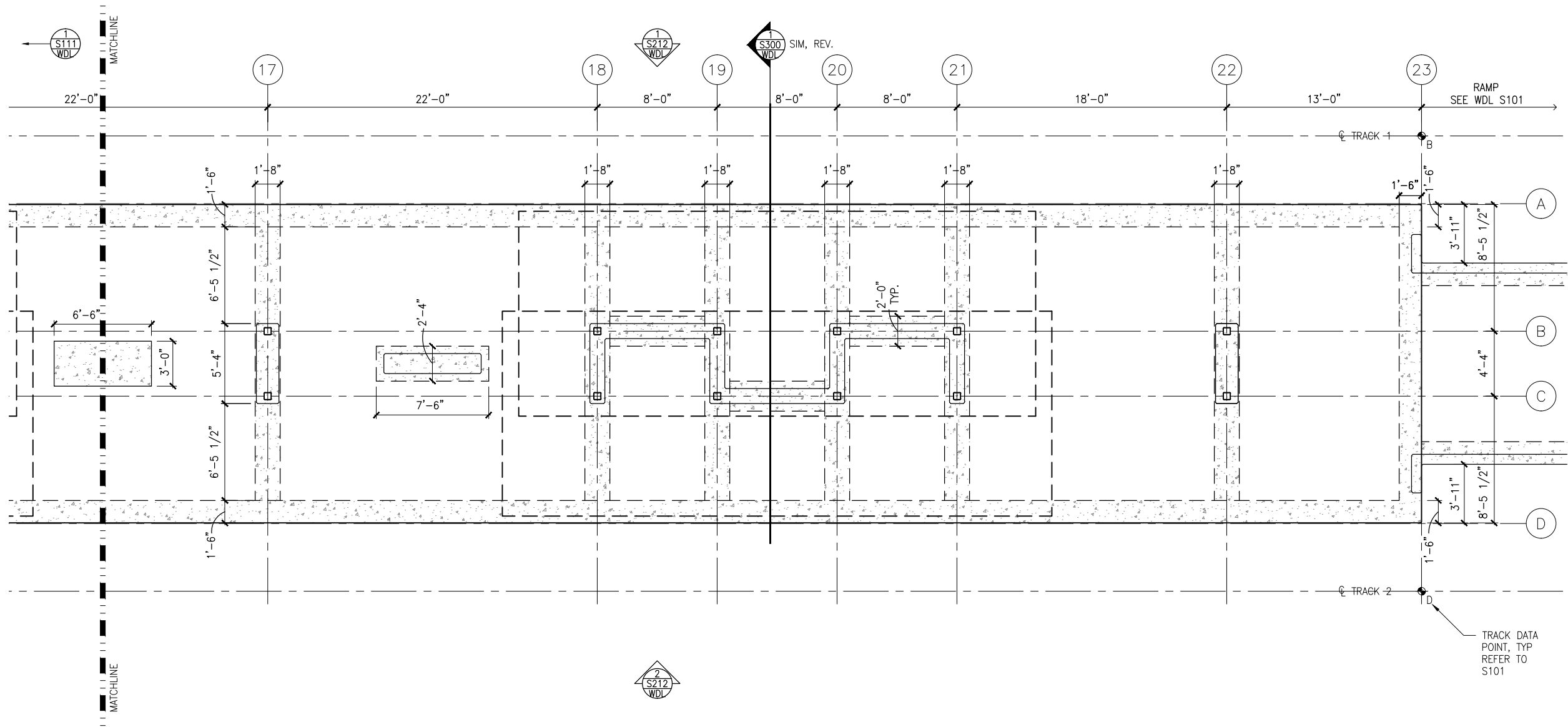
CIVIL EAST - VOLUME 11A  
WOODDALE STATION  
MIDDLE PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES  
SHEET NAME: E2-WDL-STR-PLN-111

SHEET  
154  
OF  
319



Sep. 21 2015 09:05 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Wooddale\CAD\STR\E2-WDL-STR-PLN-112.dwg By: pepins



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15



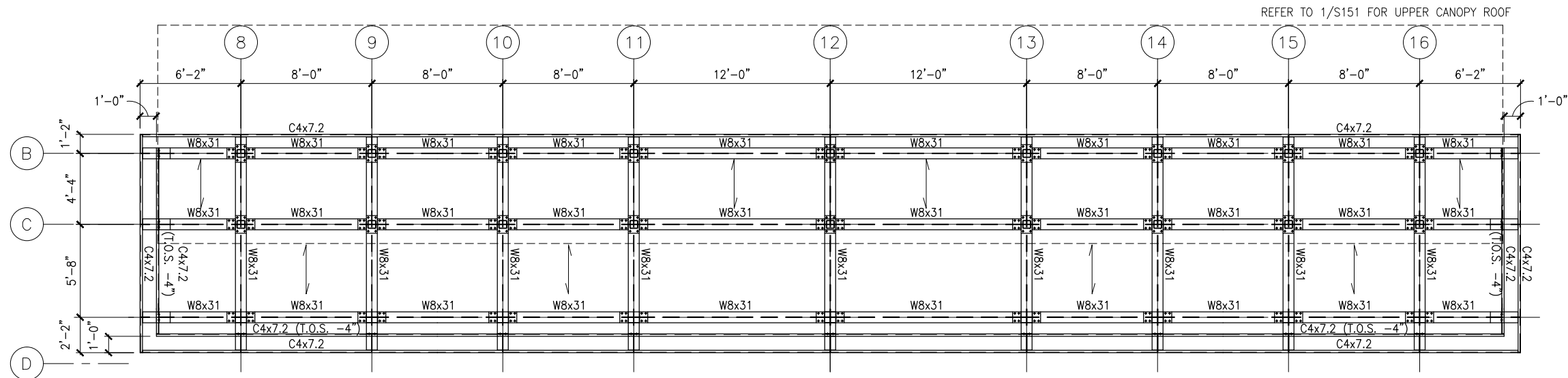
CIVIL EAST - VOLUME 11A  
WOODDALE STATION  
EAST PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES  
SHEET NAME: E2-WDL-STR-PLN-112

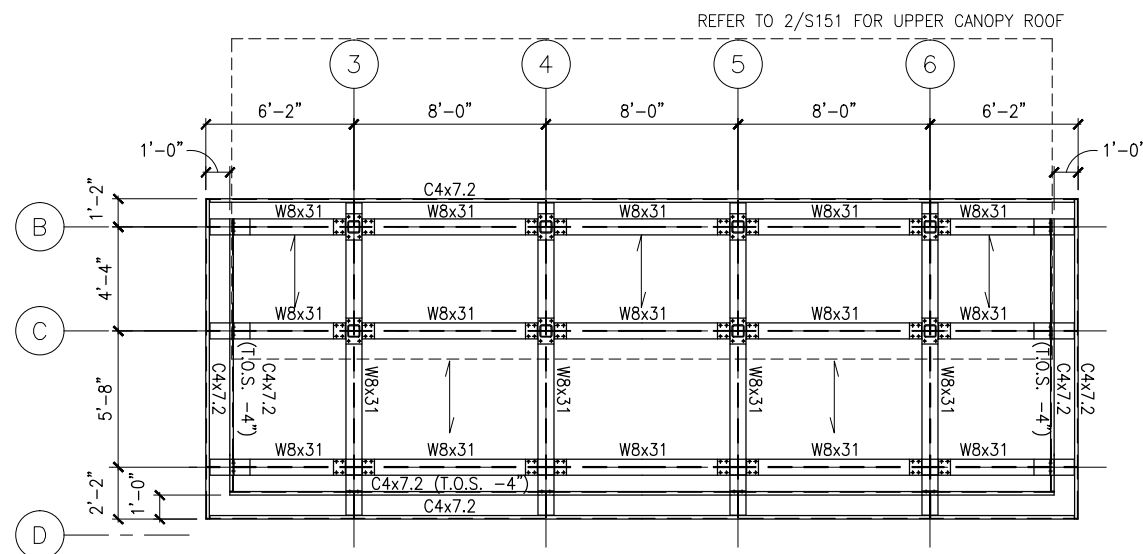
SHEET  
155  
OF  
319



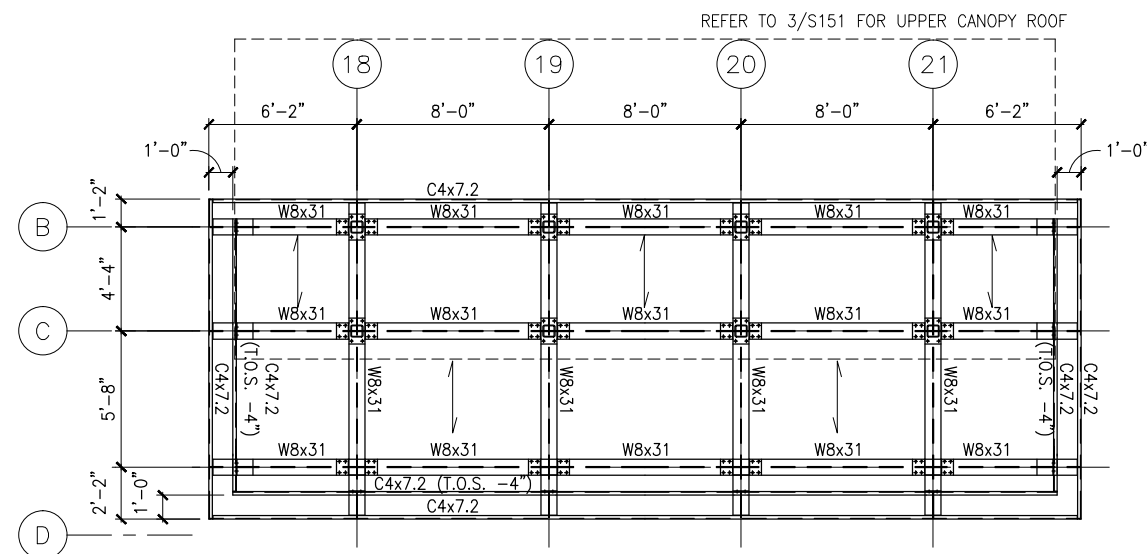
Sep. 21 2015 09:05 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Wooddale\CAD\STR\E2-WDL-STR-PLN-150.dwg By: pepins



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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

60% SUBMISSION - 9/28/15



CIVIL EAST - VOLUME 11A  
WOODDALE STATION  
LOWER ROOF FRAMING PLANS

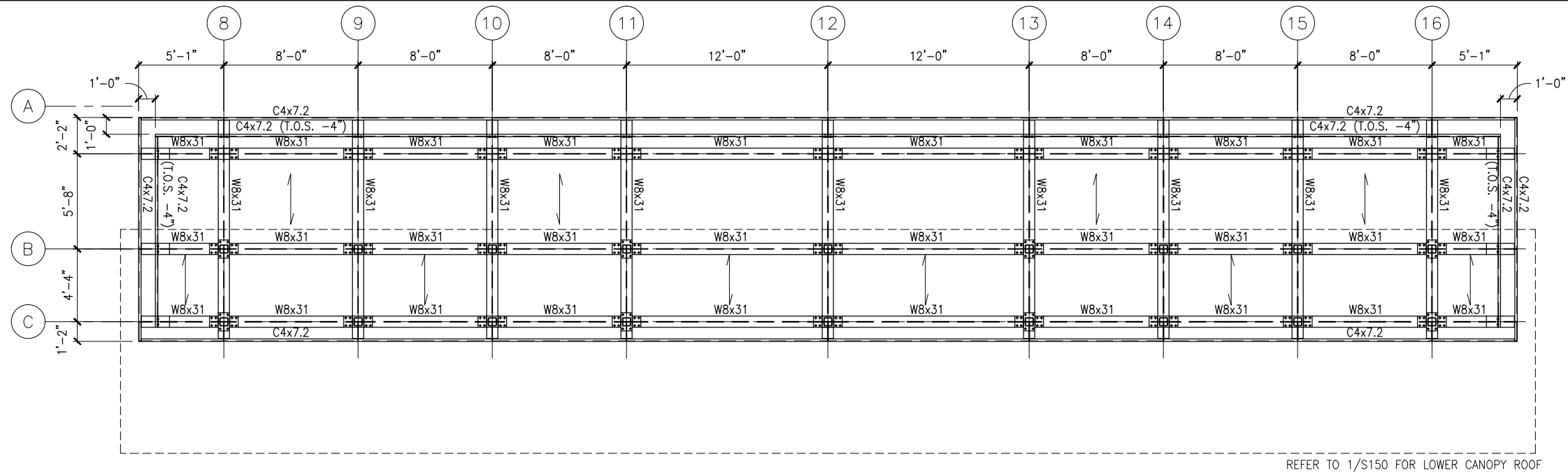
DISCIPLINE:  
STRUCTURES

SHEET NAME:  
E2-WDL-STR-PLN-150

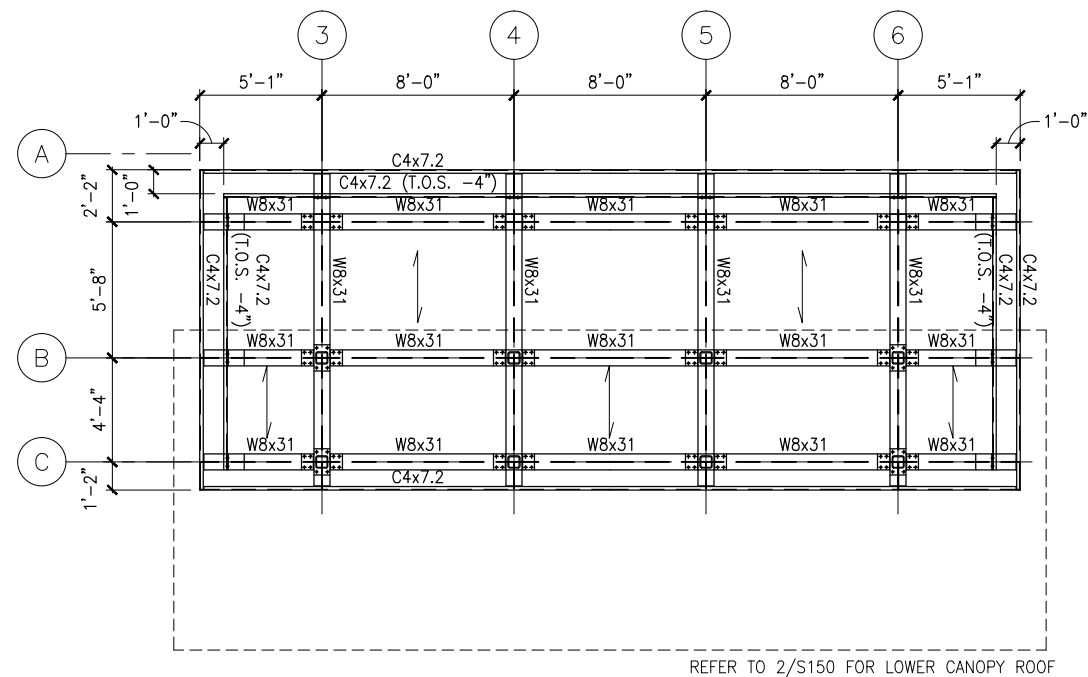
SHEET  
156  
OF  
319



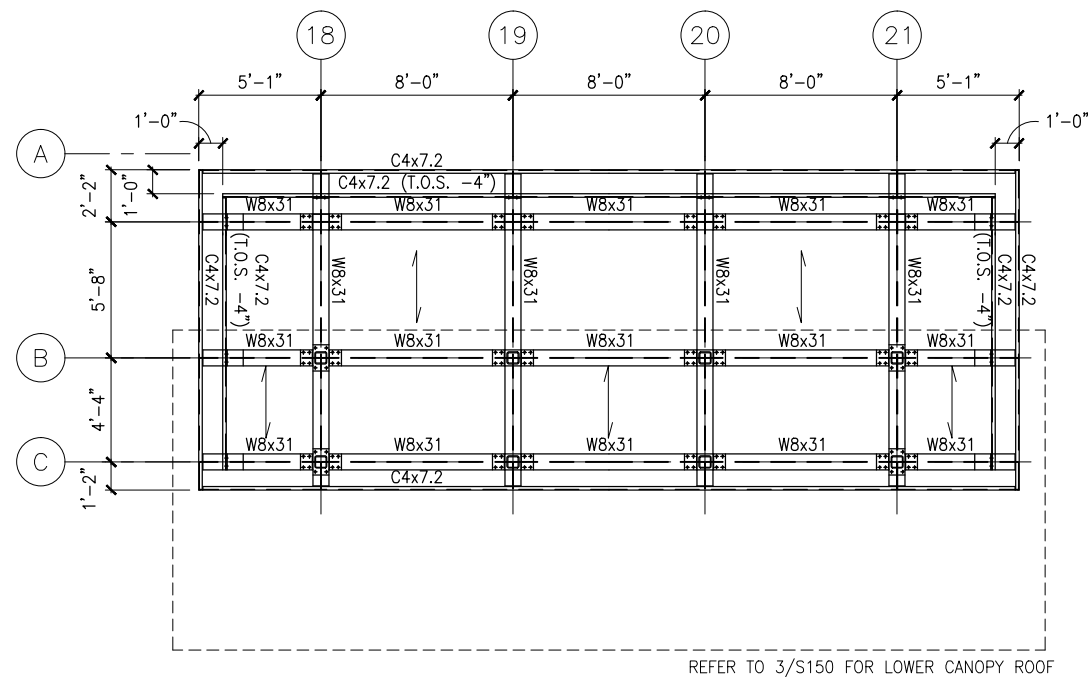
Sep. 21 2015 09:06 am k:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Wooddale\CAD\STR\E2-WDL-STR-PLN-151.dwg By: pepins



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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

60% SUBMISSION - 9/28/15



CIVIL EAST - VOLUME 11A  
WOODDALE STATION  
UPPER ROOF FRAMING PLANS

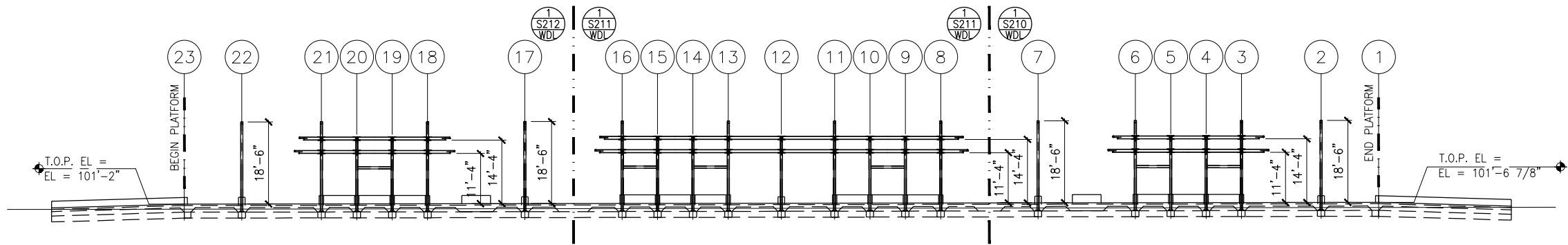
DISCIPLINE:  
STRUCTURES

SHEET NAME:  
E2-WDL-STR-PLN-151

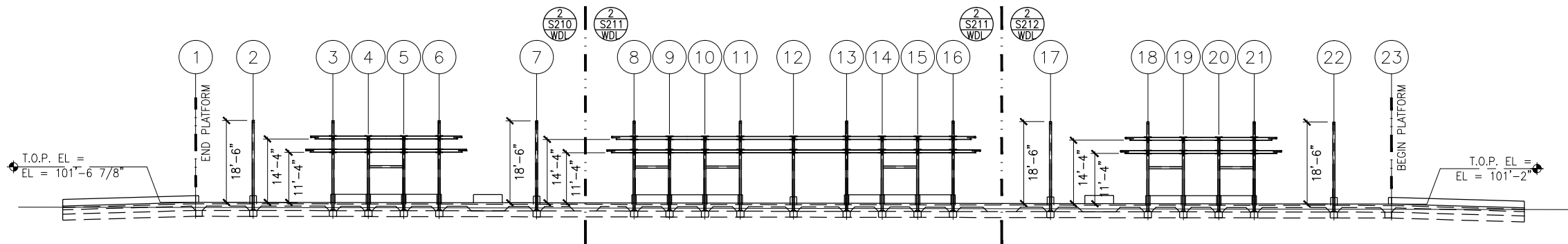
SHEET  
157  
OF  
319



Sep. 21 2015 09:10 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Wooddale\CAD\STR\E2-WDL-STR-ELV-201.DWG By: pepins



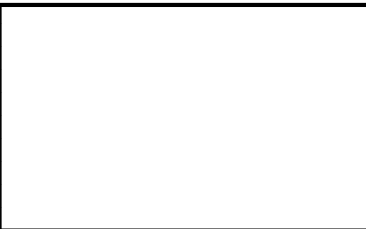
1 TRACK 1 ELEVATION - FRAMING  
SCALE: 1:30  
0 7.5 15 30  
SCALE  
(-0.15% SLOPE)\*



2 TRACK 2 ELEVATION - FRAMING  
SCALE: 1:30  
0 7.5 15 30  
SCALE  
(-0.15% SLOPE)\*

\*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15



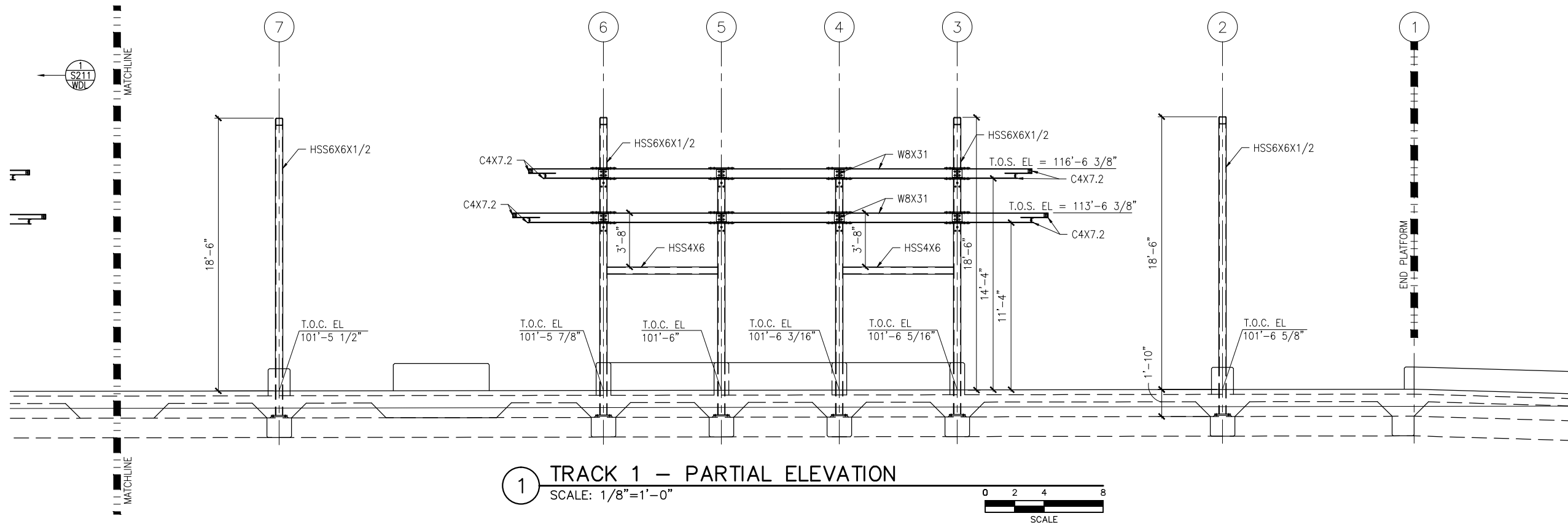
CIVIL EAST - VOLUME 11A  
WOODDALE STATION  
ELEVATIONS -- FRAMING

DISCIPLINE: STRUCTURES  
SHEET NAME: E2-WDL-STR-ELV-201

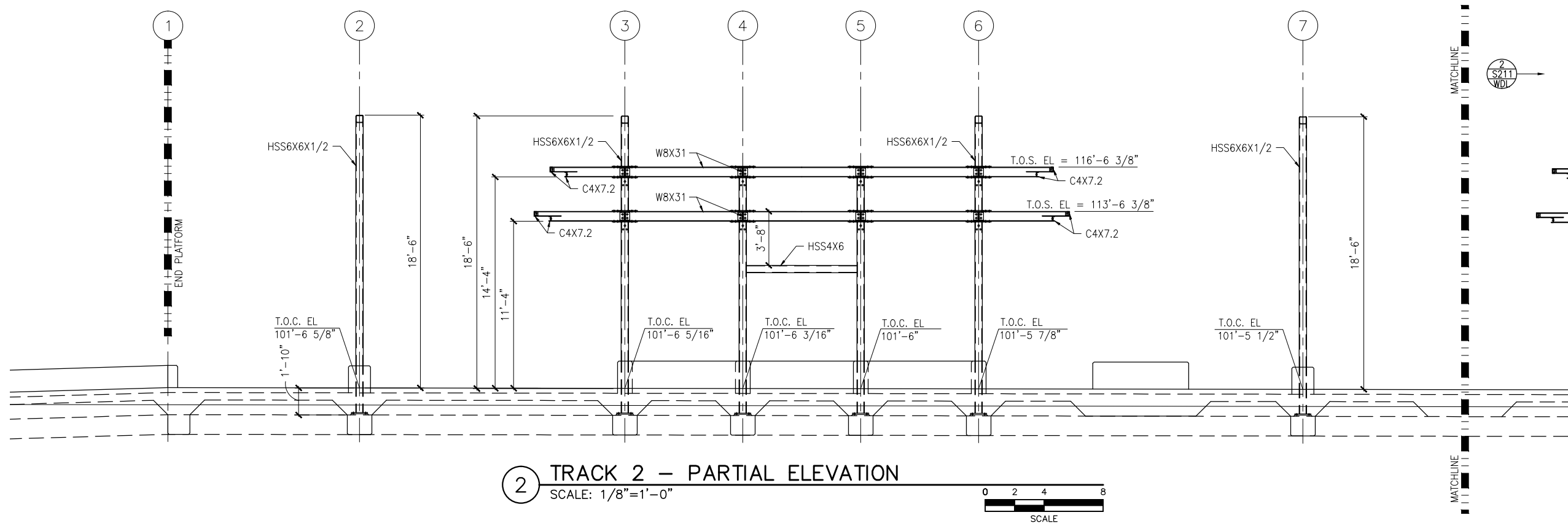
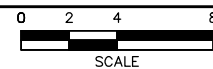
SHEET  
158  
OF  
319



Sep. 21 2015 09:07 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Wooddale\CAD\STR\E2-WDL-STR-ELV-210.dwg By: pepins



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



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 9/28/15



**CIVIL EAST - VOLUME 11A**  
**WOODDALE STATION**  
**WEST PARTIAL ELEVATIONS -- FRAMING**

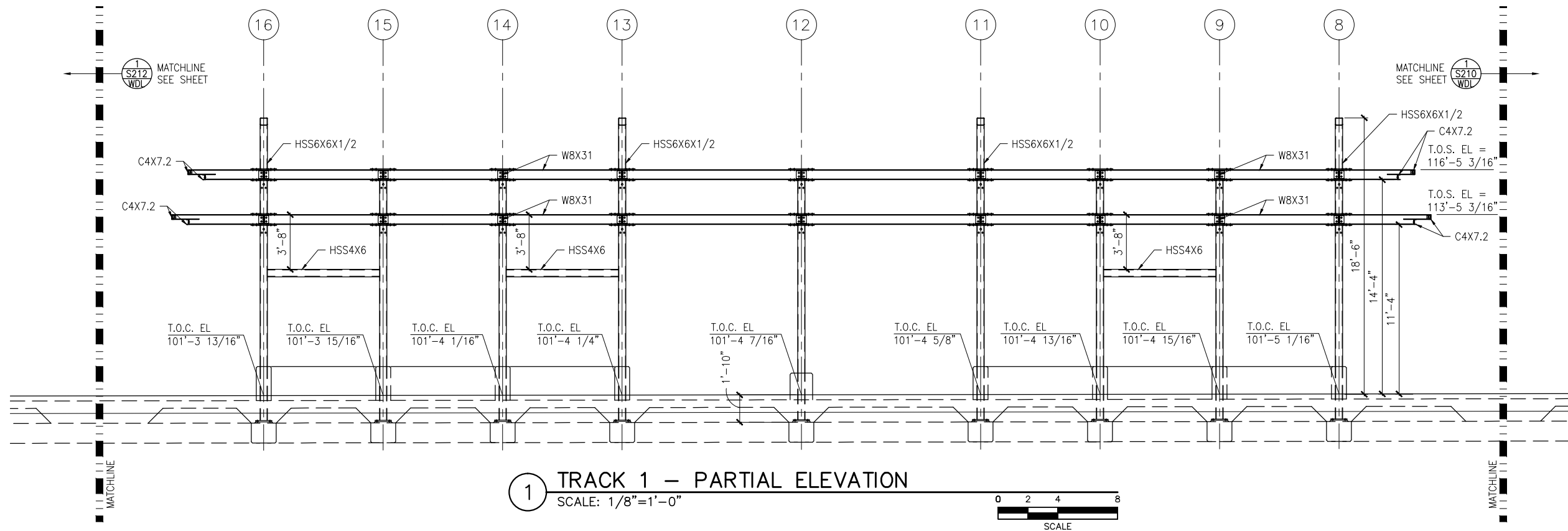
DISCIPLINE:  
**STRUCTURES**

SHEET NAME:  
**E2-WDL-STR-ELV-210**

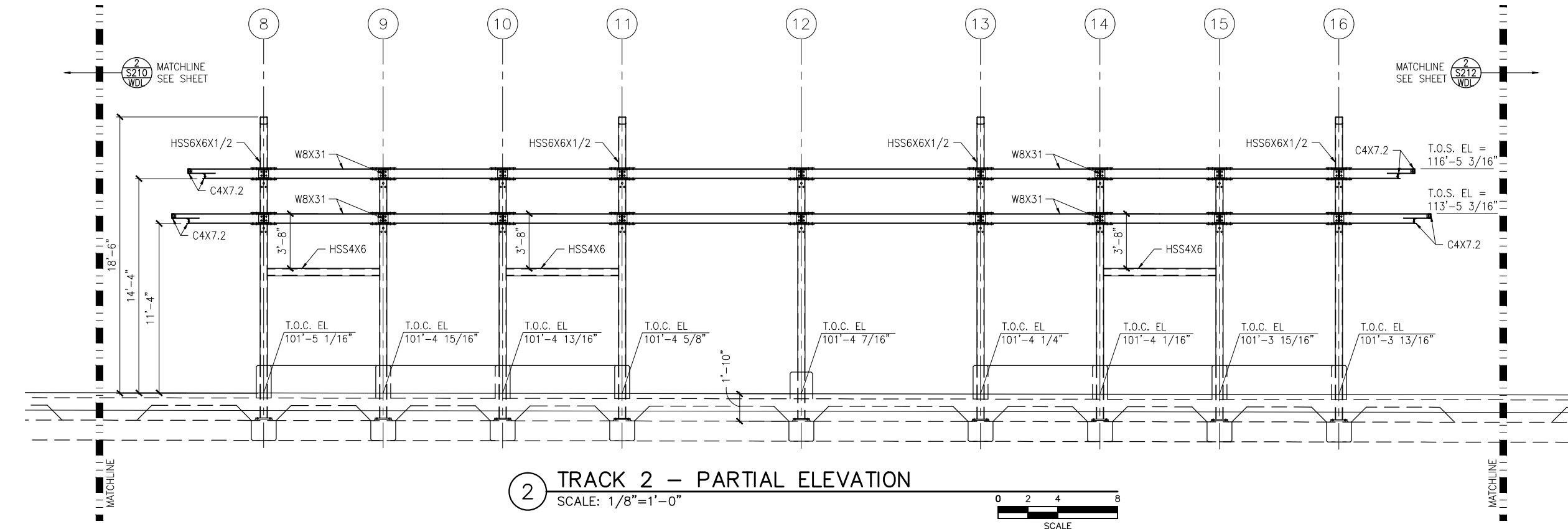
**SHEET**  
**159**  
**OF**  
**319**



Sep. 21 2015 09:07 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Wooddale\CAD\STR\E2-WDL-STR-ELV-211.dwg By: pepins



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



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



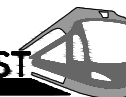
NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 9/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**WOODDALE STATION**  
**MIDDLE PARTIAL ELEVATIONS -- FRAMING**

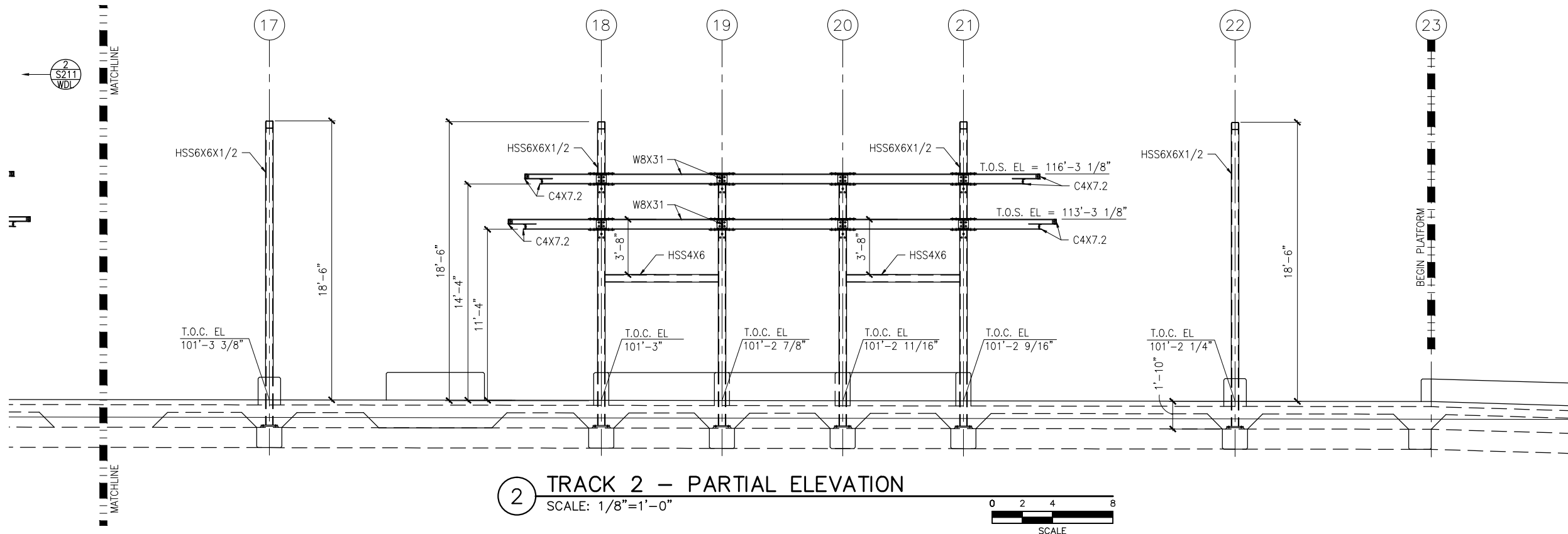
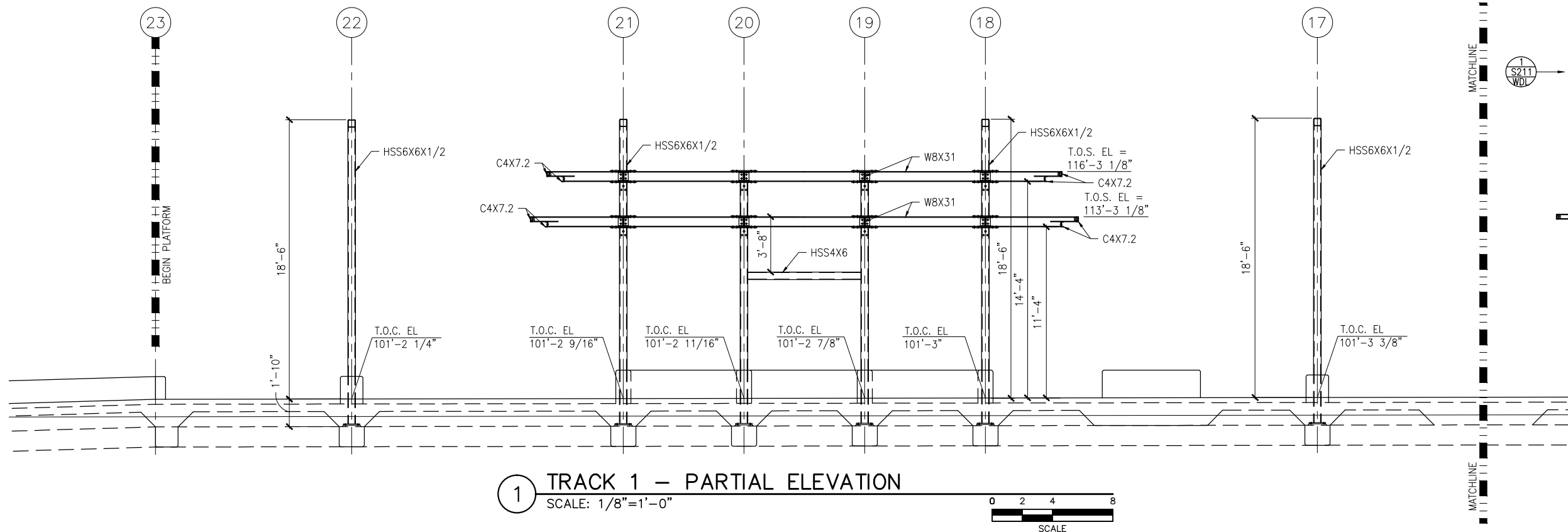
DISCIPLINE:  
**STRUCTURES**

SHEET NAME:  
**E2-WDL-STR-ELV-211**

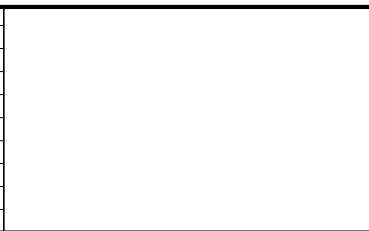
**SHEET**  
**160**  
**OF**  
**319**



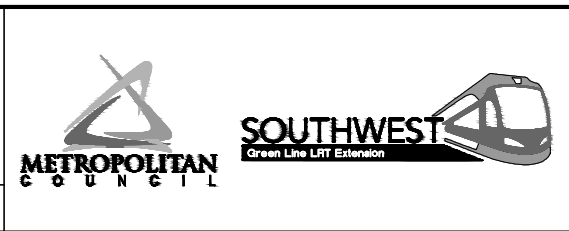
Sep. 21 2015 09:08 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Wooddale\CAD\STR\E2-WDL-STR-ELV-212.dwg By: pepins



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15



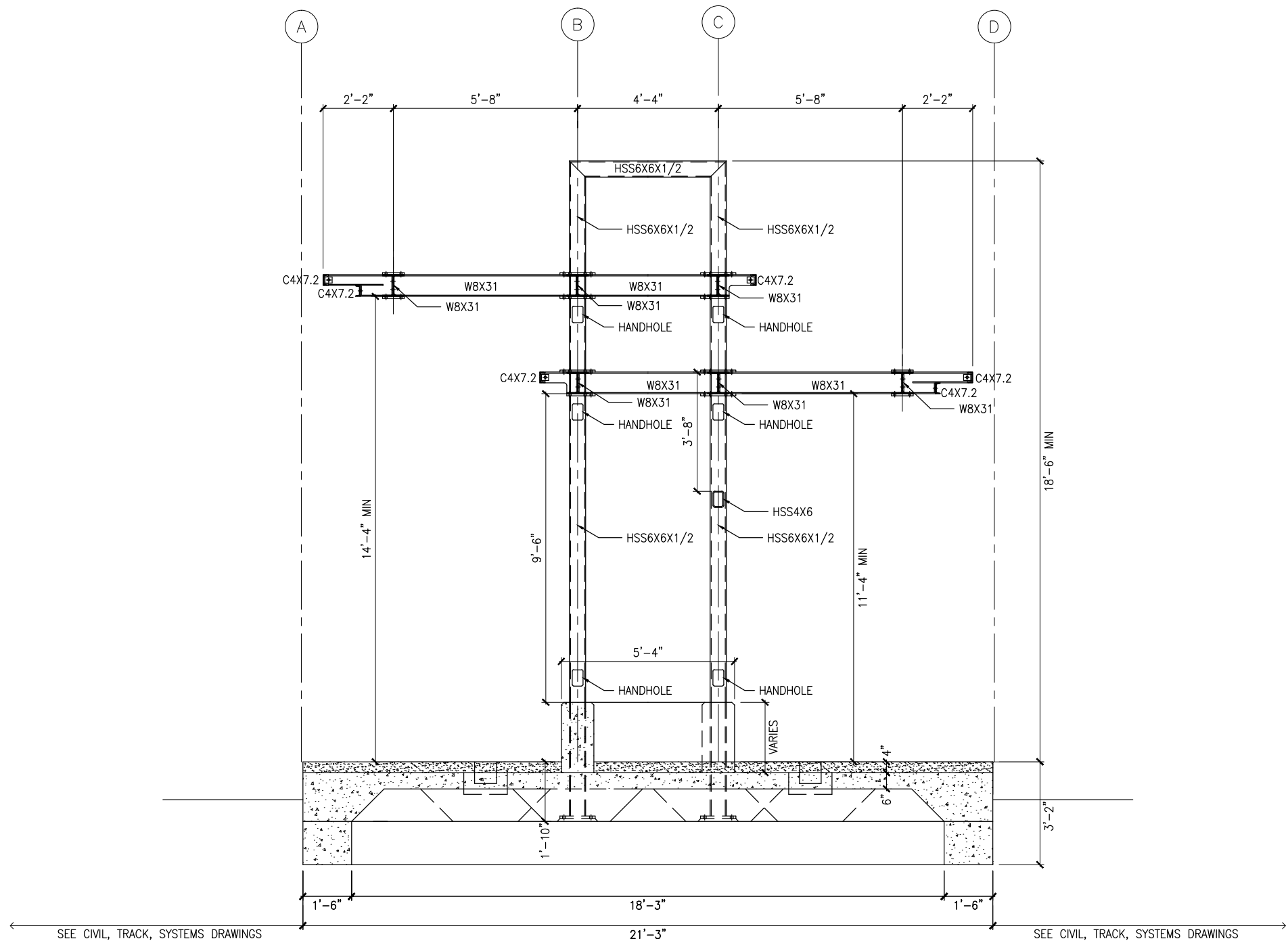
CIVIL EAST - VOLUME 11A  
WOODDALE STATION  
EAST PARTIAL ELEVATIONS -- FRAMING

DISCIPLINE: STRUCTURES  
SHEET NAME: E2-WDL-STR-ELV-212

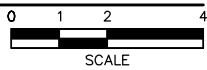
SHEET  
161  
OF  
319



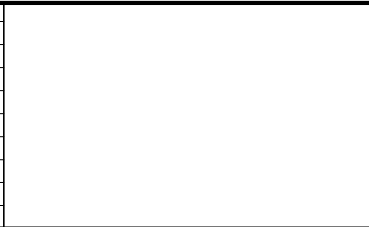
Sep. 21 2015 09:09 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Wooddale\CAD\STR\E2-WDL-STR-SCT-300.dwg By: pepins



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



**AECOM**

60% SUBMISSION - 9/28/15



**CIVIL EAST - VOLUME 11A  
WOODDALE STATION  
TYPICAL PLATFORM SECTION**

DISCIPLINE: **STRUCTURES**

SHEET NAME: **E2-WDL-STR-SCT-300**

**SHEET**  
**162**  
**OF**  
**319**



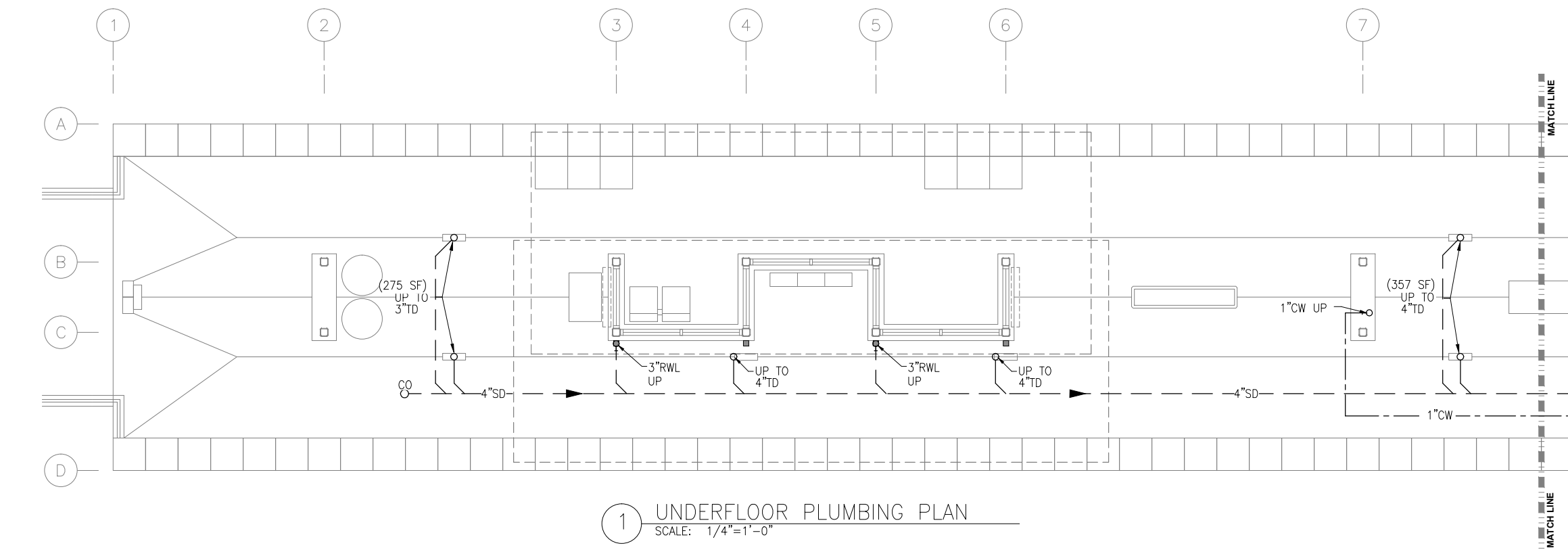
Sep. 21 2015 01:40 pm Z:\Projects\AECOM\SWLRT west\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\WOODDALE STATION\E2-WDL-PLM-100.dwg By: craig

PLUMBING GENERAL NOTES

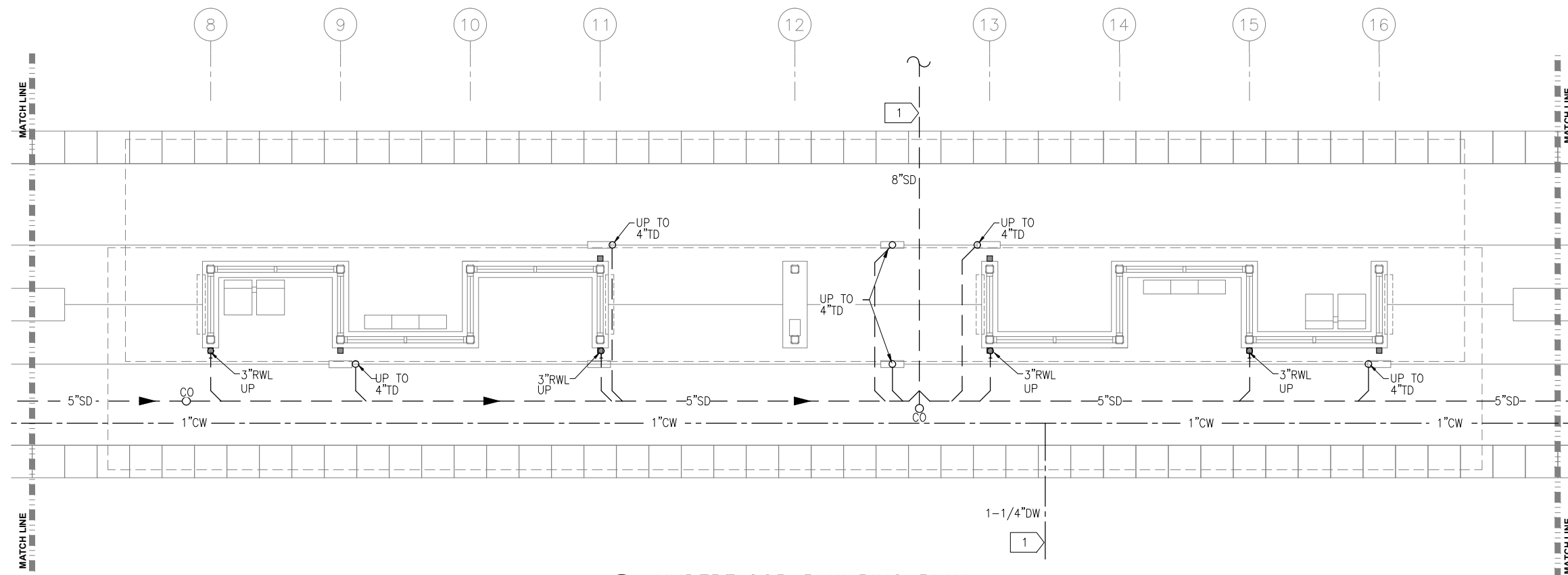
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
- MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
- REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS AND LAYOUT.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR STORM DOWNSPOUT MATERIAL.

PLUMBING KEY NOTES:

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



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



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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**ENGINEERING • LLC**  
CERTIFIED WOMEN'S  
BUSINESS ENTERPRISE



60% SUBMISSION - 09/28/15

**CIVIL EAST - VOLUME 11A**  
**WOODDALE STATION**  
**WEST AND MIDDLE PARTIAL**  
**UNDERFLOOR PLUMBING PLAN**

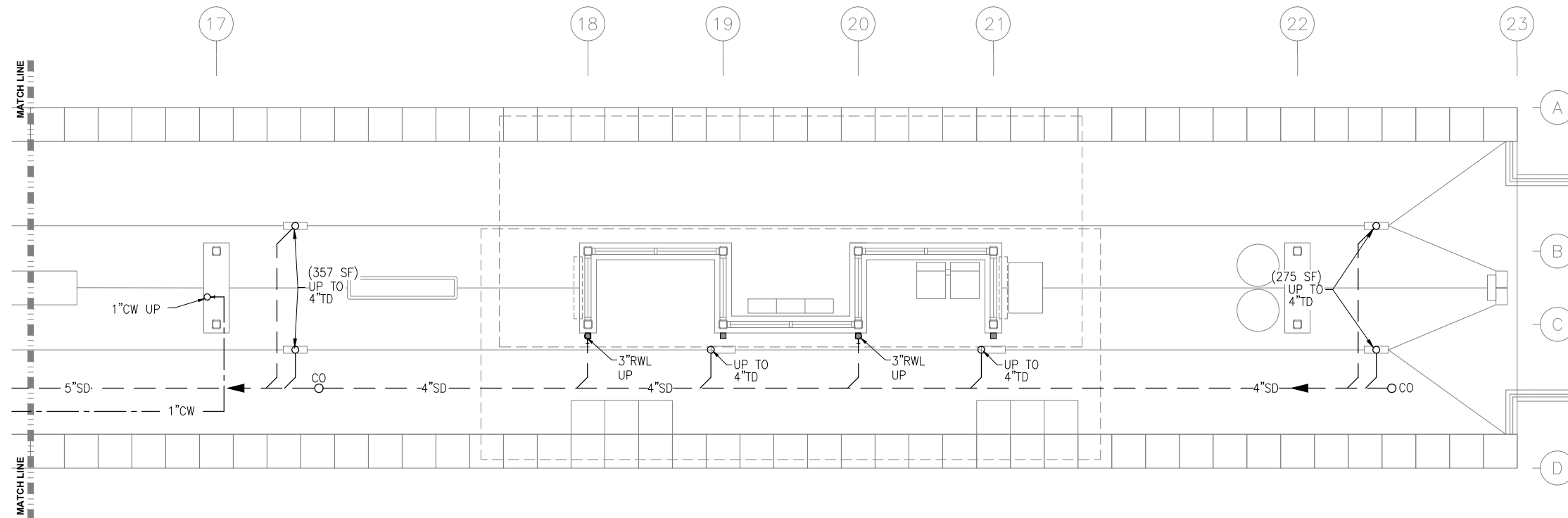
DISCIPLINE: **PLUMBING**

SHEET NAME: **E2-WDL-PLM-PLN-100**

**SHEET**  
**163**  
**OF**  
**319**



Sep. 21 2015 01:39 pm Z:\Projects\AECOM\SWLRT\_west\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\WOODDALE STATION\E2-WDL-PLM-PLN-101.dwg By: craig







- PLUMBING GENERAL NOTES**
- A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES 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.
- PLUMBING KEY NOTES:**
- 1 EXTEND WATER AND STORM OUTSIDE GUIDEWAY. CONNECTION BY OUTDOOR UTILITY CONTRACTOR.

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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL







60% SUBMISSION - 09/28/15



DISCIPLINE: PLUMBING

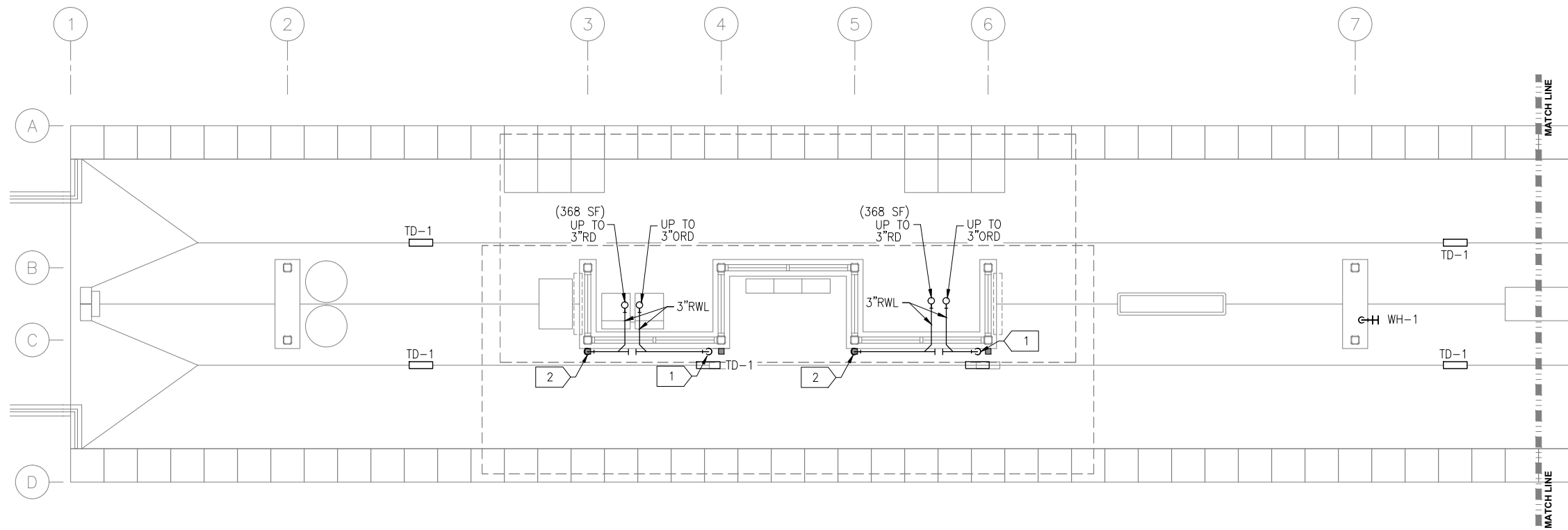
CIVIL EAST - VOLUME 11A  
WOODDALE STATION  
EAST PARTIAL UNDERFLOOR  
PLUMBING PLAN

SHEET NAME: E2-WDL-PLM-PLN-101

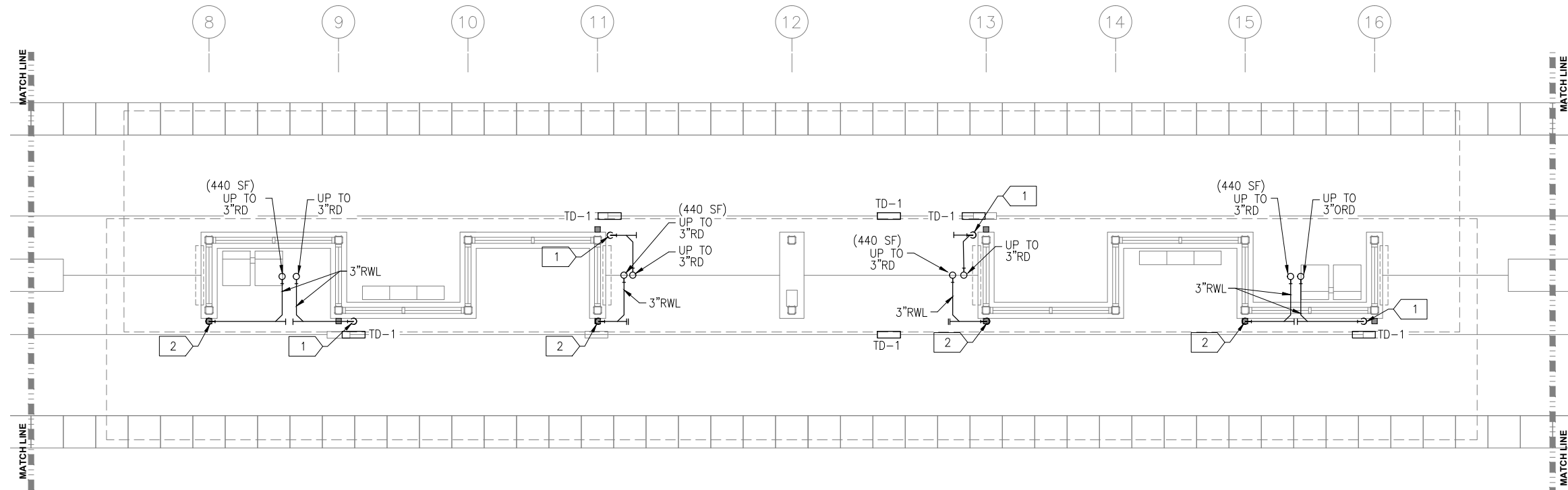
SHEET  
164  
OF  
319



Sep. 21 2015 01:39 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 PLUMBING PLAN  
SCALE: 1/4"=1'-0"



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

PLUMBING GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
- MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
- REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS AND LAYOUT.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR STORM DOWNSPOUT MATERIAL.

PLUMBING KEY NOTES

- 3x3 RWL DOWN TO DAYLIGHT ABOVE TD-1. SEE ARCHITECTURAL DOCUMENTS FOR RAIN WATER LEADER MATERIAL AND SHAPE.
- 3x3 RWL DOWN TO JOSAM..... CONNECTION TO 3" UNDERFLOOR STORM DRAIN.

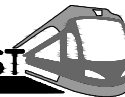
NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**ENGINEERING • LLC**  
CERTIFIED WOMEN'S  
BUSINESS ENTERPRISE



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A  
WOODDALE STATION  
WEST AND MIDDLE PARTIAL  
PLUMBING PLAN**

DISCIPLINE: **PLUMBING**

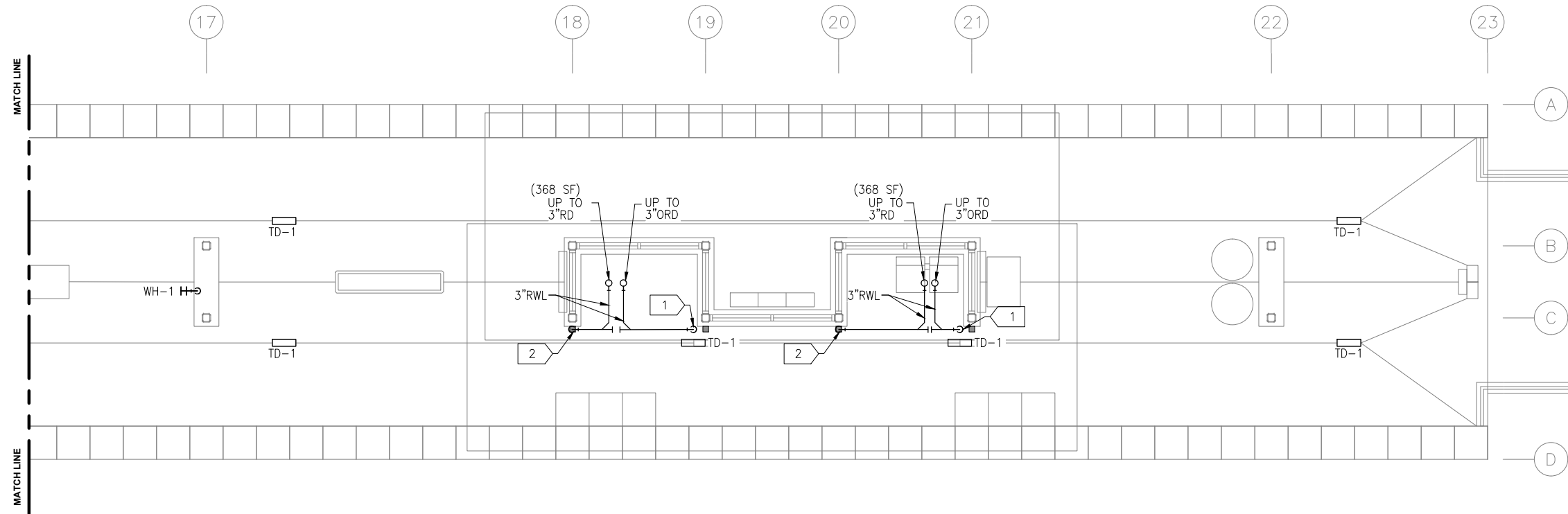
SHEET NAME: **E2-WDL-PLM-PLN-110**

**SHEET**  
**165**  
**OF**  
**319**

**60% SUBMISSION - 09/28/15**



Sep. 21 2015 01:38 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 PLUMBING PLAN  
SCALE: 1/4"=1'-0"

- PLUMBING GENERAL NOTES
- A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES 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.

- PLUMBING KEY NOTES
- 1 3x3 RWL DOWN TO DAYLIGHT ABOVE TD-1. SEE ARCHITECTURAL DOCUMENTS FOR RAIN WATER LEADER MATERIAL AND SHAPE.
  - 2 3x3 RWL DOWN TO JOSAM..... CONNECTION TO 3" UNDERFLOOR STORM DRAIN.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



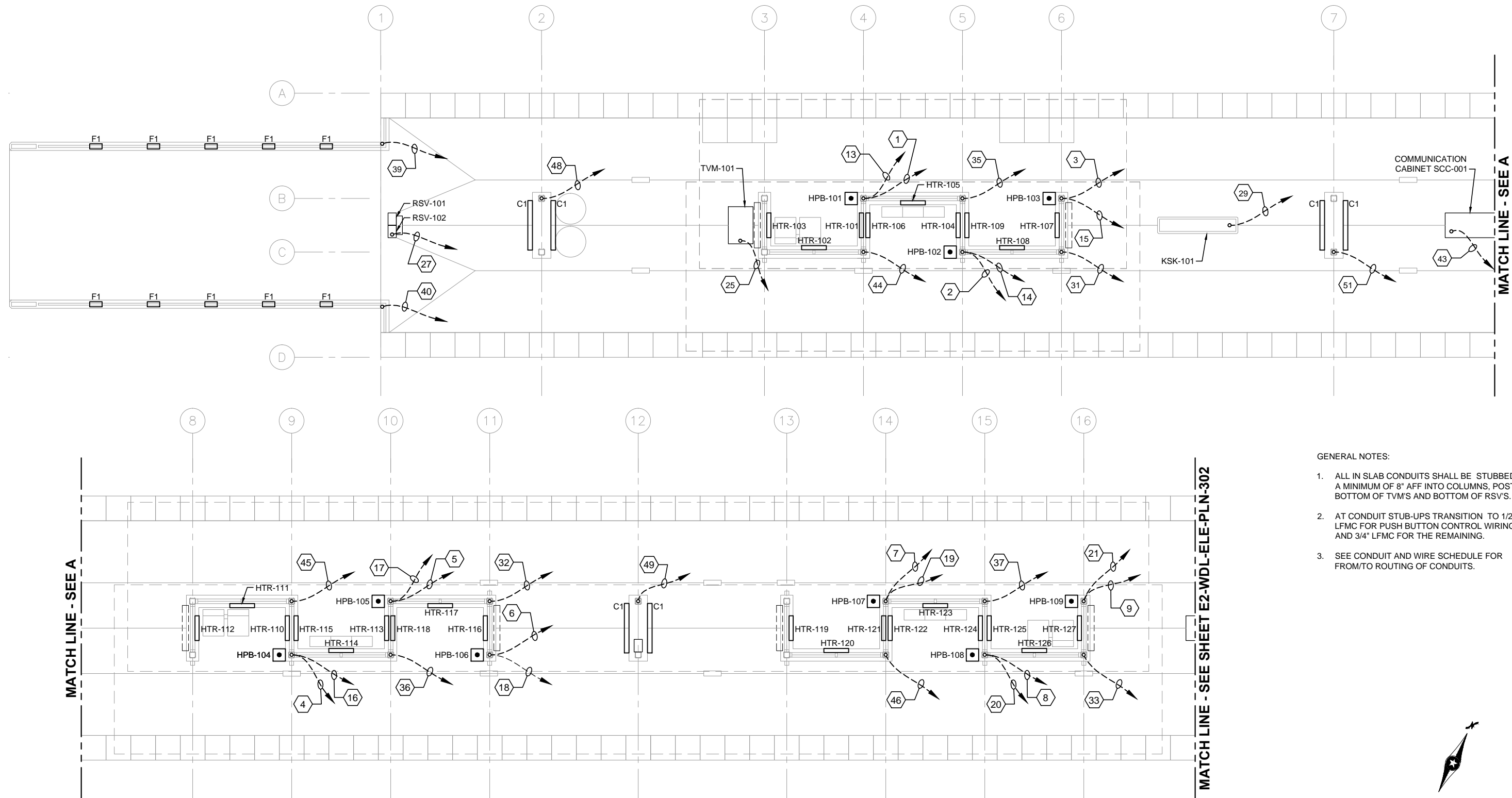
CIVIL EAST - VOLUME 11A  
WOODDALE STATION  
EAST PARTIAL PLUMBING PLAN  
AND RISER DIAGRAMS

DISCIPLINE: PLUMBING

SHEET NAME: E2-WDL-PLM-PLN-111

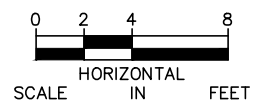


Sep. 25 2015 11:57 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-WDL-ELE-PLN-301.dwg By: V-BegeJB



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.



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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
WOODDALE STATION  
ELECTRICAL  
UNDERSLAB CONDUIT PLAN (1 OF 2)

DISCIPLINE:

ELECTRICAL

SHEET NAME:

E2-WDL-ELE-PLN-301

SHEET

167

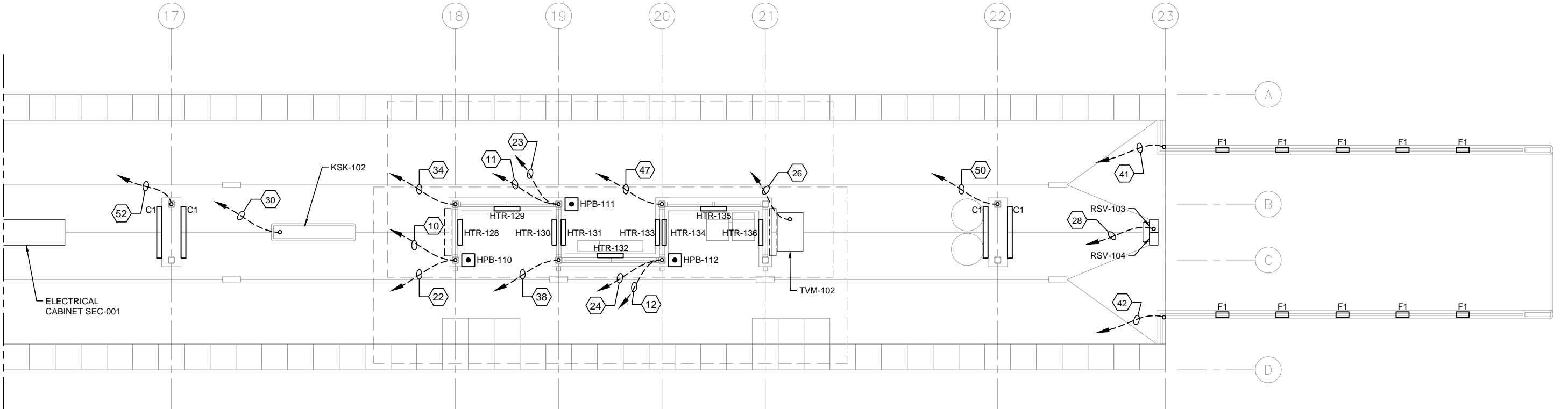
OF

319



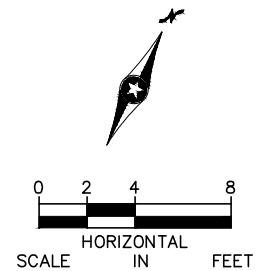
Sep. 25 2015 10:51 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-WDL-ELE-PLN-302.dwg By: V-BegeJB

MATCH LINE - SEE SHEET E2-WDL-ELE-PLN-301



**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.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15

**METROPOLITAN**  
COUNCIL

**SOUTHWEST**  
Green Line LRT Extension

**CIVIL EAST - VOLUME 11A**  
**WOODDALE STATION**  
**ELECTRICAL**  
**UNDERSLAB CONDUIT PLAN (2 OF 2)**

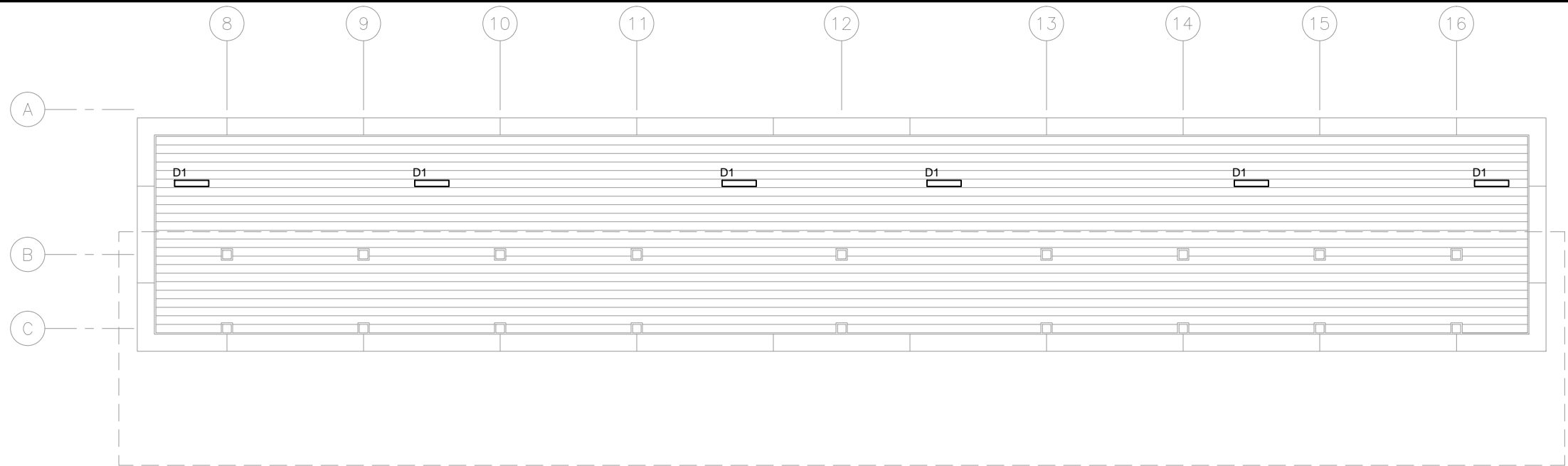
DISCIPLINE: **ELECTRICAL**

SHEET NAME: **E2-WDL-ELE-PLN-302**

**SHEET**  
**168**  
**OF**  
**319**



Sep. 25 2015 09:14 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-WDL-ELE-PLN-303.dwg By: FergTK



GENERAL NOTES:

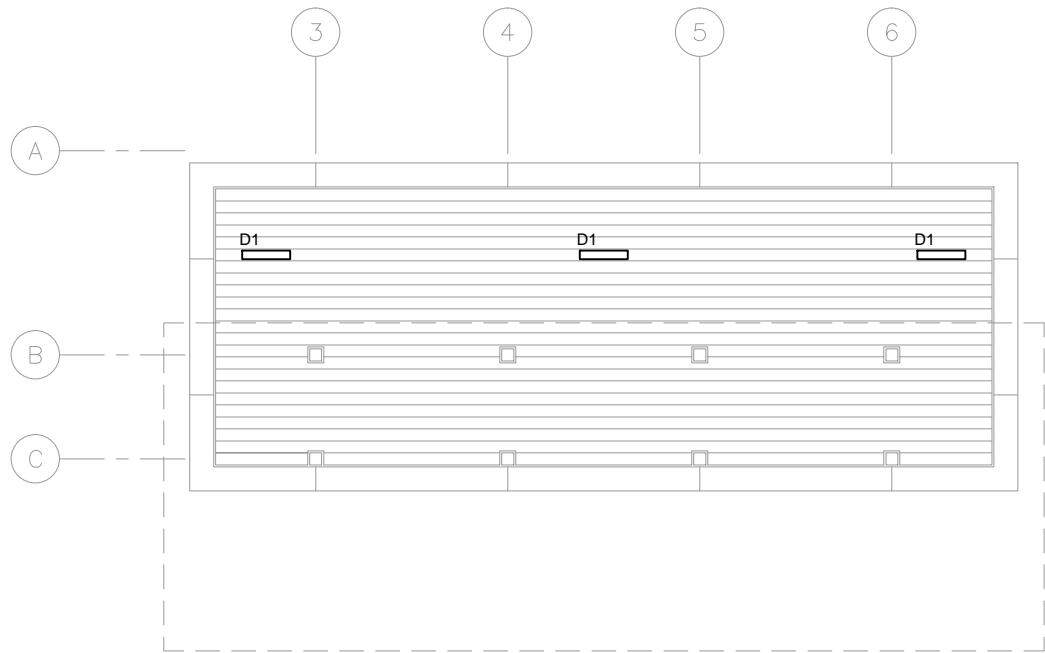
1.

KEYNOTES:

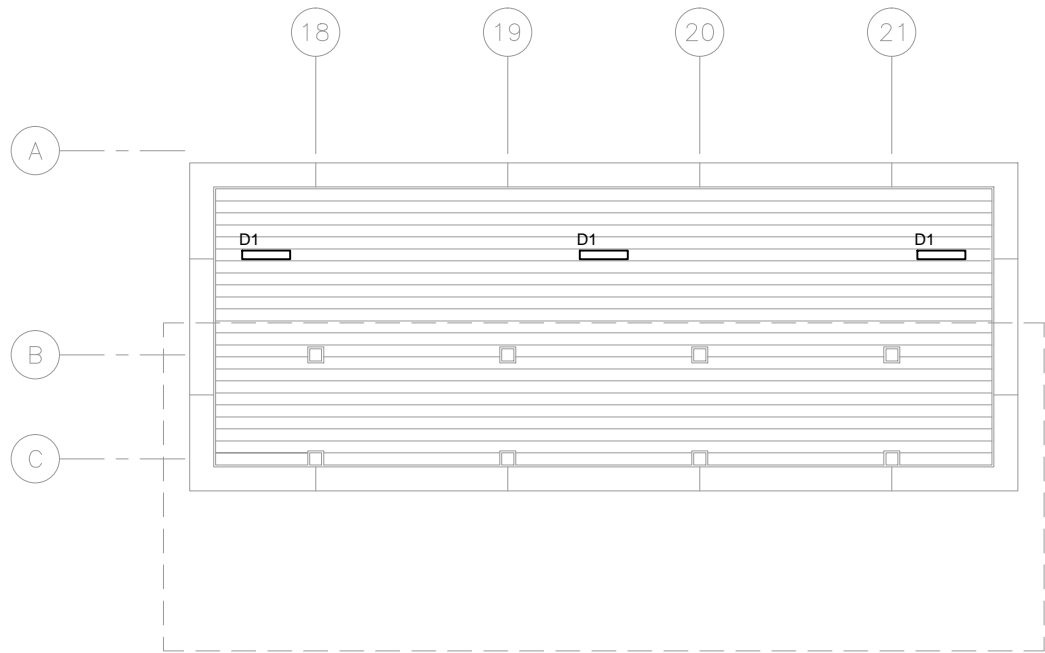


1.

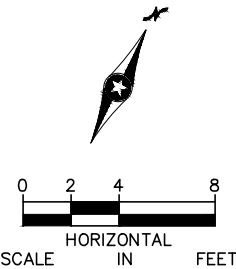
1 TRACK 1 SIDE CANOPY PLAN – MIDDLE  
SCALE: 1/8"=1'-0"



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"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
WOODDALE STATION  
ELECTRICAL  
CANOPY PLAN - TRACK 1 SIDE

DISCIPLINE:  
ELECTRICAL

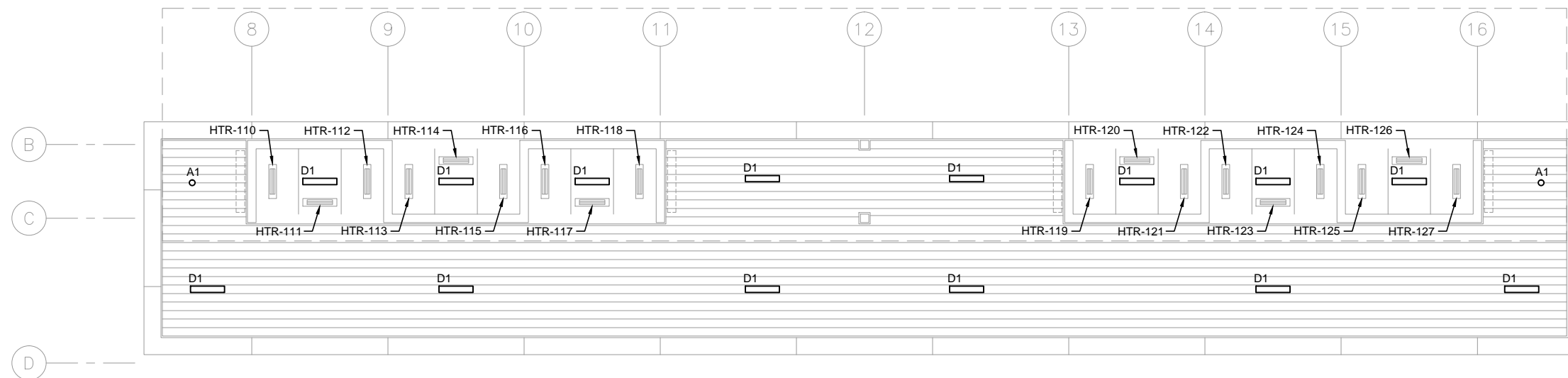
SHEET NAME:  
E2-WDL-ELE-PLN-303

SHEET  
169  
OF  
319



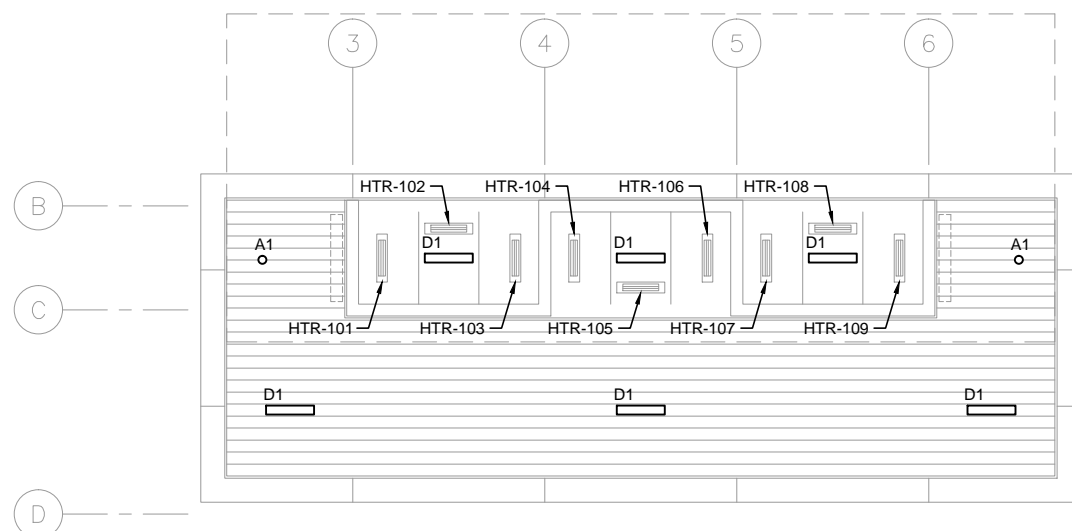
Sep. 25 2015 09:14 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-WDL-ELE-PLN-304.dwg By: FergTK

- GENERAL NOTES:
1. PROVIDE HEAT TRACE IN GUTTERS, DOWN SPOUTS AND RAIN CONDUCTORS.

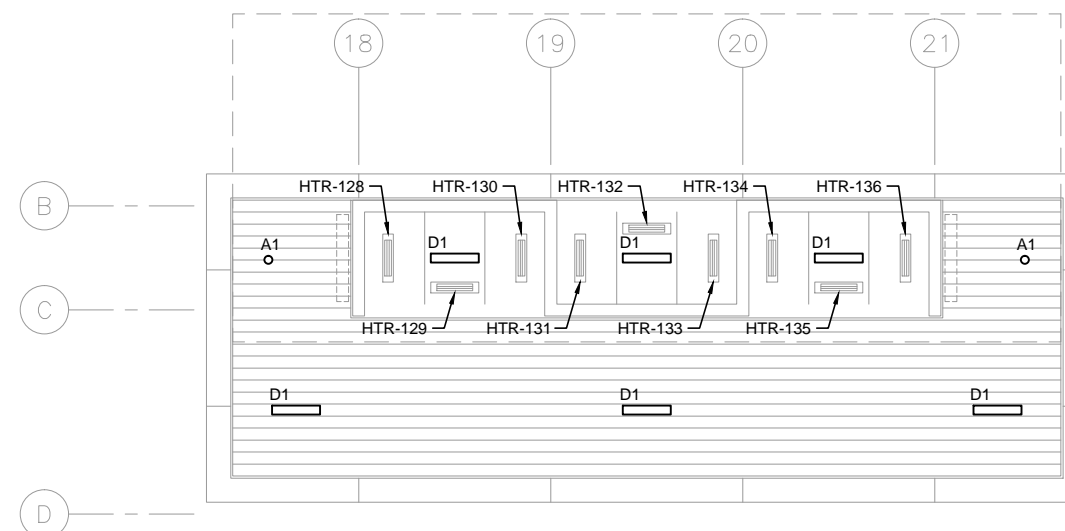


- KEYNOTES:
- 1.

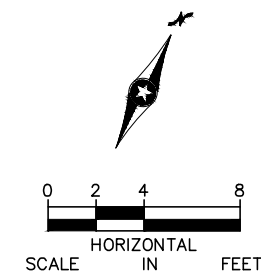
1 TRACK 2 SIDE CANOPY PLAN – MIDDLE  
SCALE: 1/8"=1'-0"



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"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
WOODDALE STATION  
ELECTRICAL  
CANOPY PLAN - TRACK 2 SIDE

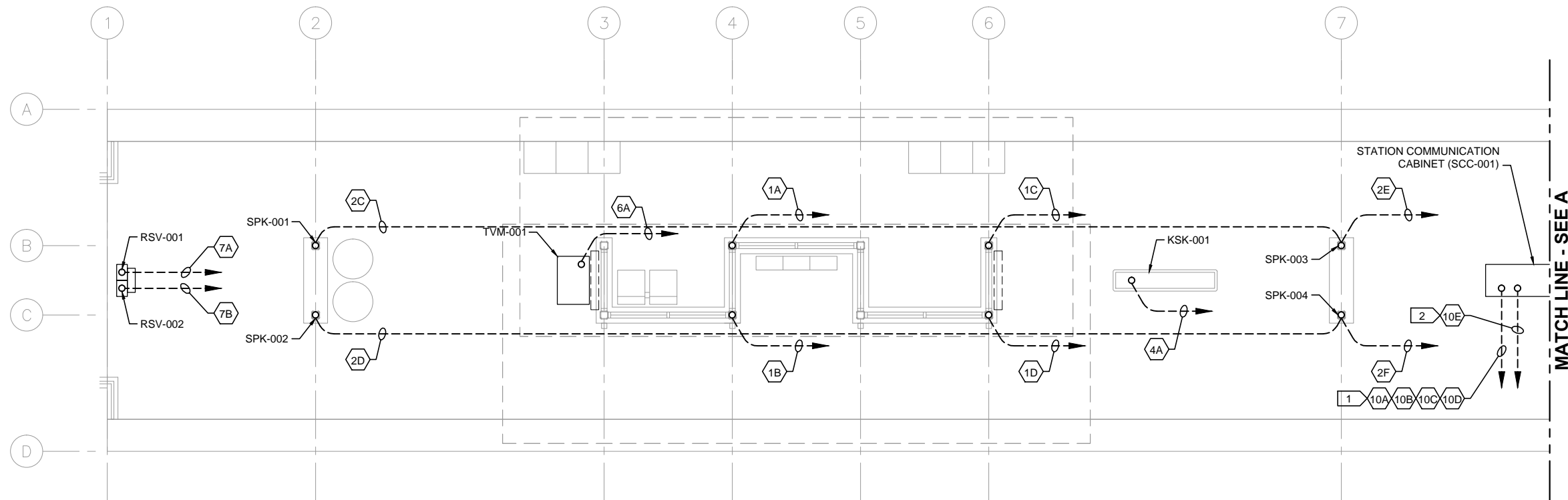
DISCIPLINE:  
ELECTRICAL

SHEET NAME:  
E2-WDL-ELE-PLN-304

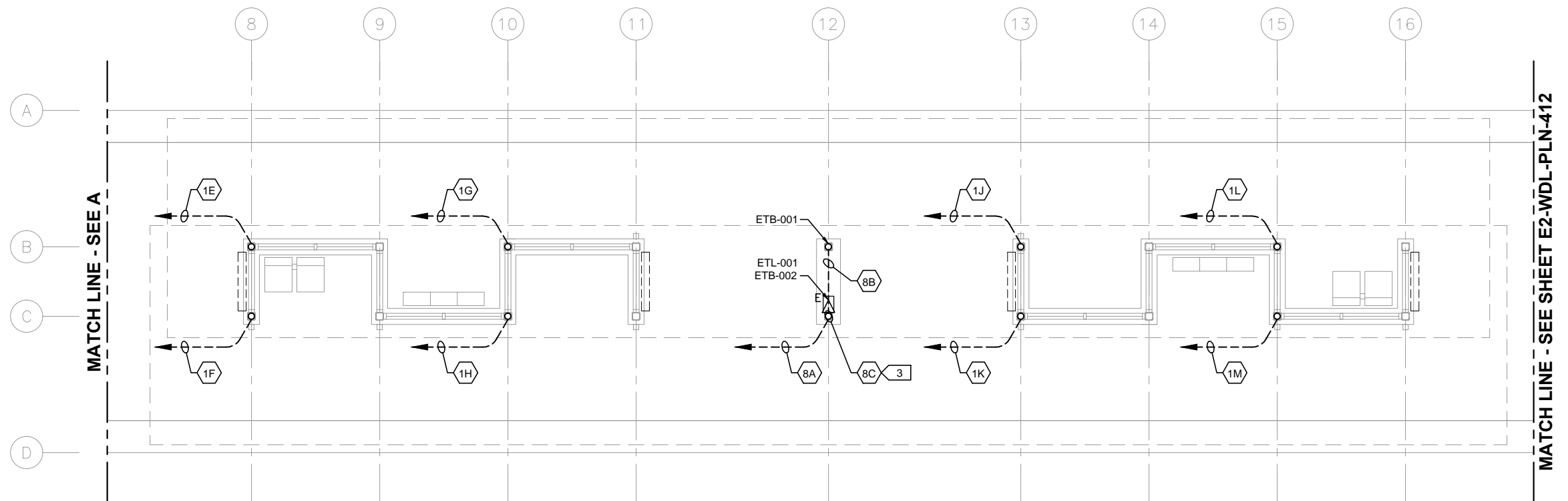
SHEET  
170  
OF  
319



Sep. 25 2015 09:14 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-WDL-ELE-PLN-411.dwg By: FergTK



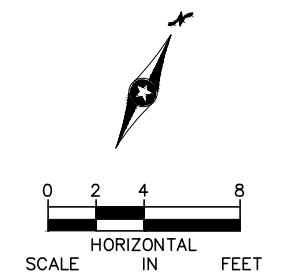
1 PLATFORM PLAN - WEST  
SCALE: 1/8"=1'-0"



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 CANOPY COMMUNICATIONS PLAN.

- KEYNOTES:
1. COMMUNICATIONS CONDUITS TO/FROM STATION SIGNAL-COMMUNICATIONS HOUSE.
  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.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
WOODDALE STATION  
COMMUNICATIONS  
UNDERSLAB CONDUIT PLAN (1 OF 2)

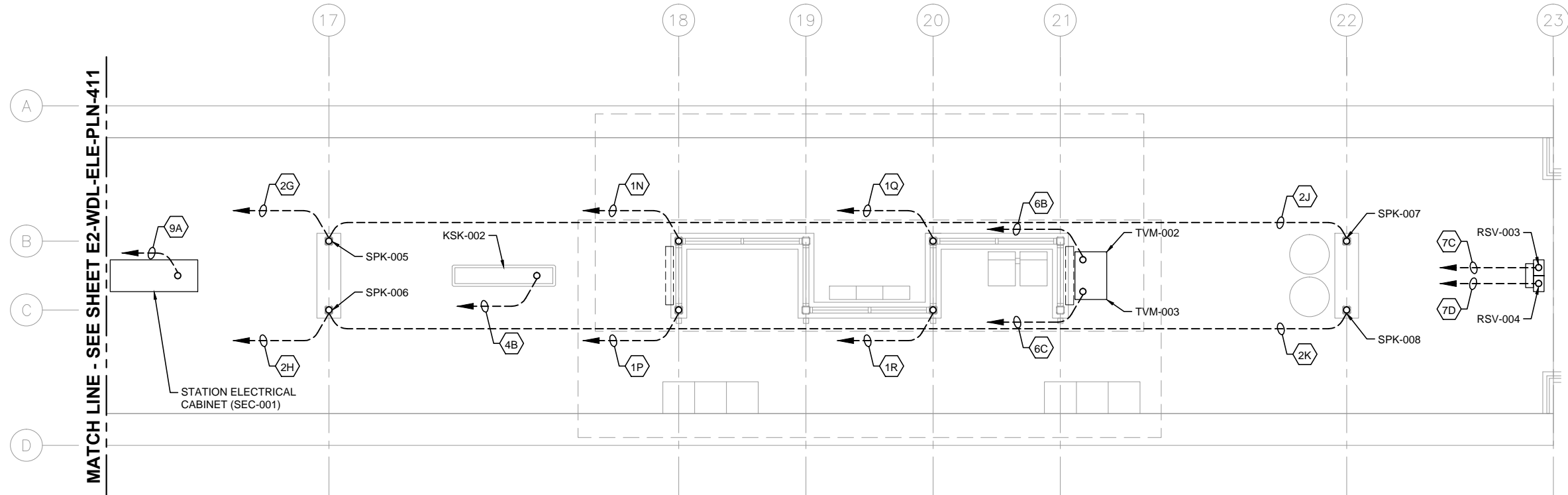
DISCIPLINE:  
ELECTRICAL

SHEET NAME:  
E2-WDL-ELE-PLN-411

SHEET  
171  
OF  
319



Sep. 25 2015 09:15 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-WDL-ELE-PLN-412.dwg By: FergTK

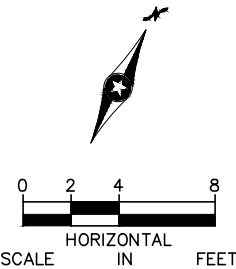


1 PLATFORM PLAN - EAST  
SCALE: 1/8"=1'-0"

- 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 CANOPY COMMUNICATIONS PLAN.

KEYNOTES:

1.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15

**METROPOLITAN**  
COUNCIL

**SOUTHWEST**  
Green Line LRT Extension

**CIVIL EAST - VOLUME 11A**  
**WOODDALE STATION**  
**COMMUNICATIONS**  
**UNDERSLAB CONDUIT PLAN (2 OF 2)**

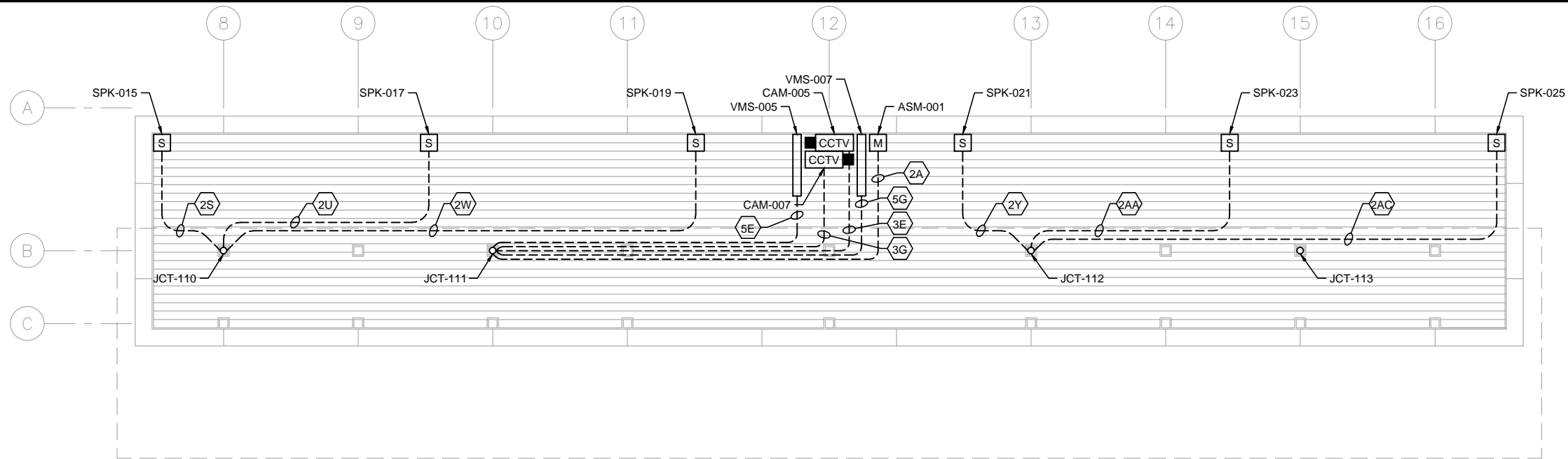
DISCIPLINE: **ELECTRICAL**

SHEET NAME: **E2-WDL-ELE-PLN-412**

SHEET  
172  
OF  
319



Sep. 25 2015 09:15 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-WDL-ELE-PLN-421.dwg By: FergTK



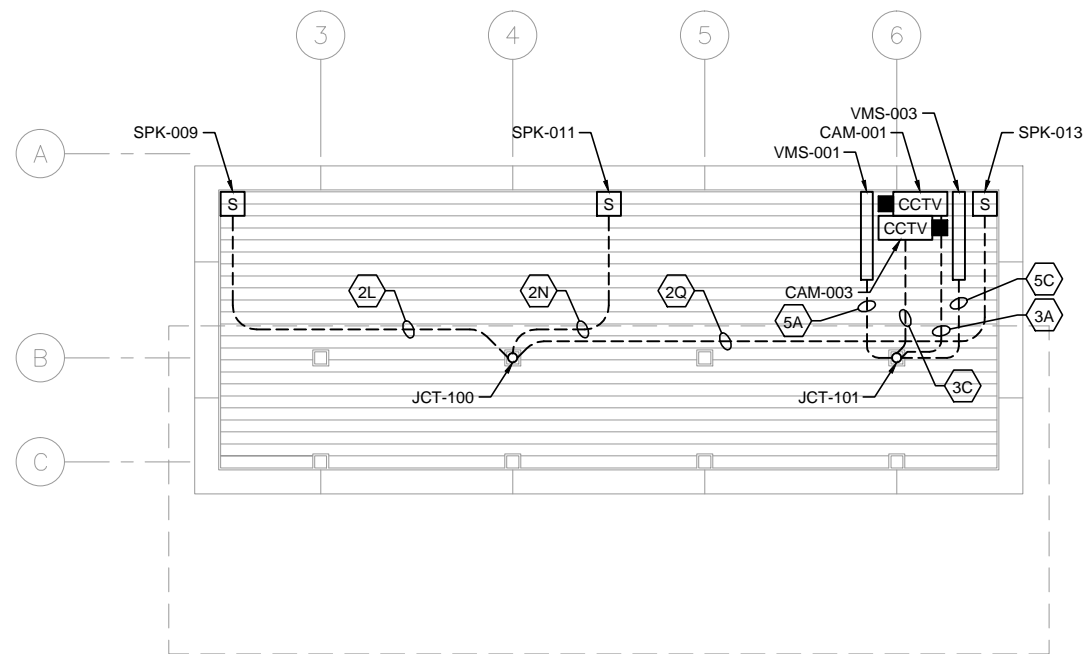
GENERAL NOTES:

1.

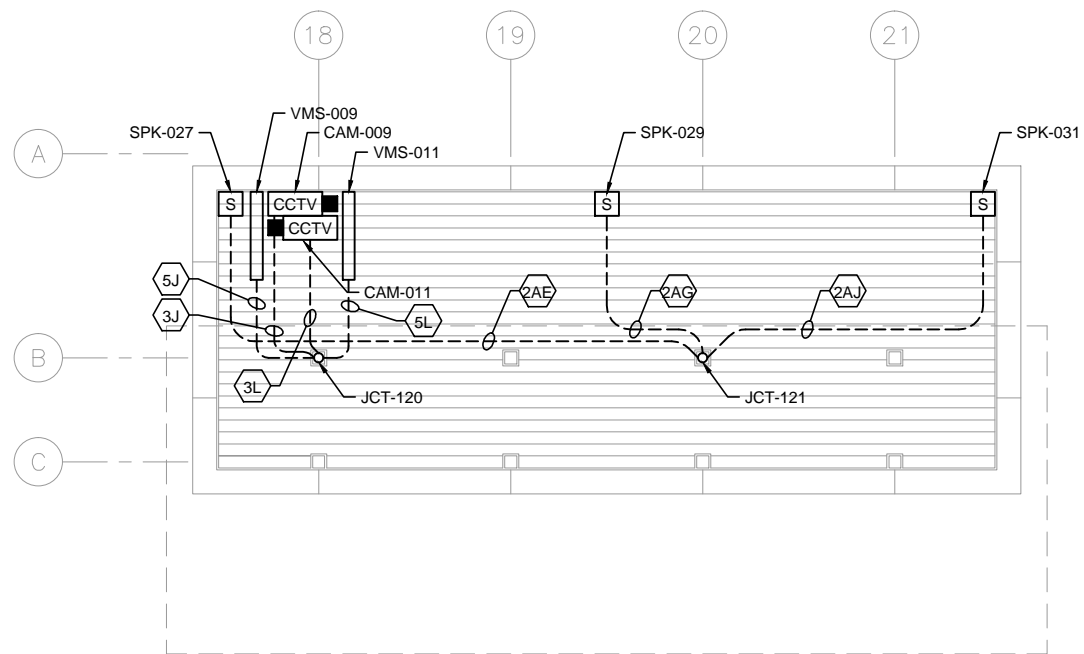
KEYNOTES:

1.

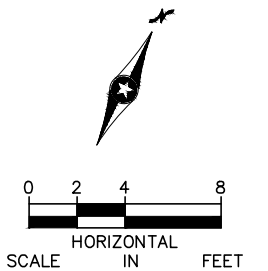
1 TRACK 1 SIDE CANOPY PLAN – MIDDLE  
SCALE: 1/8"=1'-0"



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"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM** **MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**WOODDALE STATION**  
**COMMUNICATIONS**  
**CANOPY PLAN - TRACK 1 SIDE**

DISCIPLINE:

ELECTRICAL

SHEET NAME:

E2-WDL-ELE-PLN-421

SHEET

173

OF

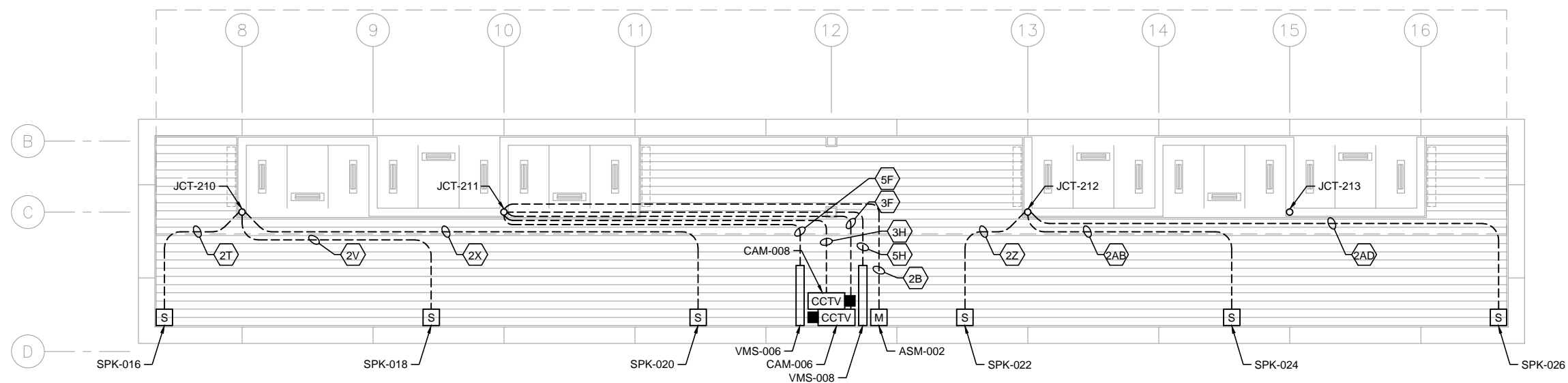
319



Sep. 25 2015 09:16 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-WDL-ELE-PLN-422.dwg By: FergTK

GENERAL NOTES:

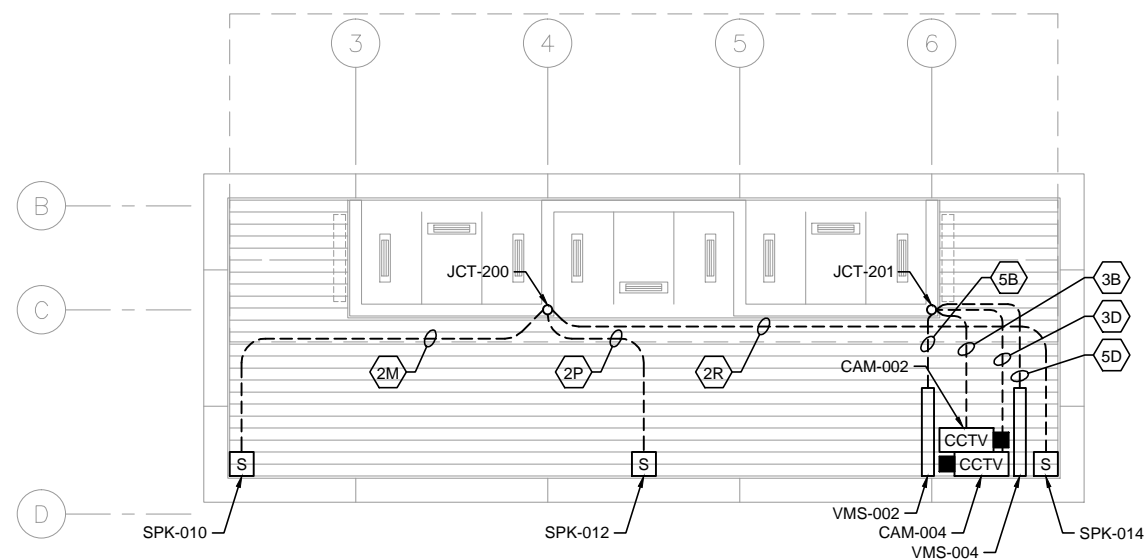
1.



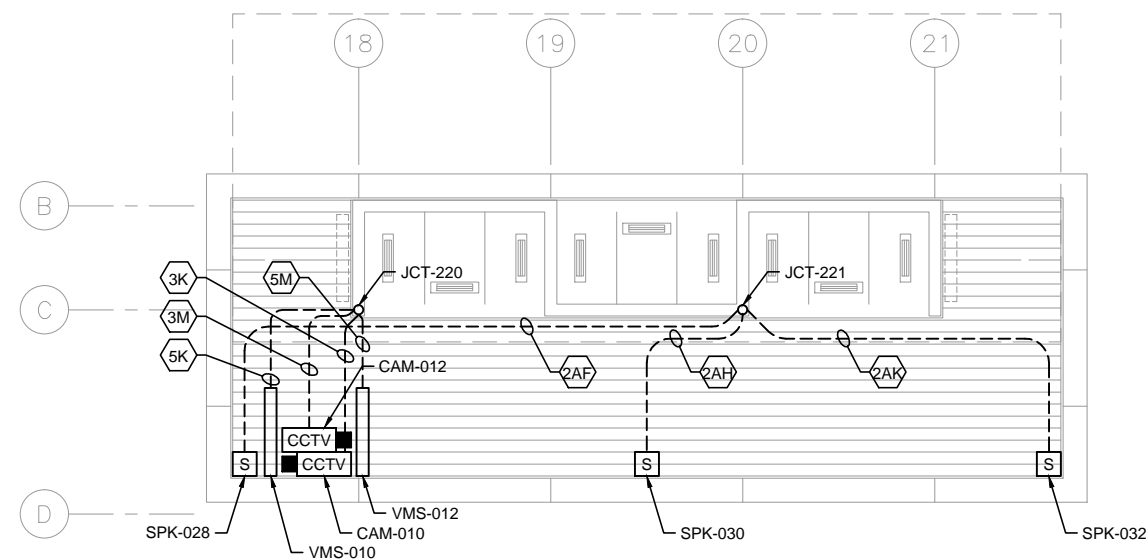
KEYNOTES:

1.

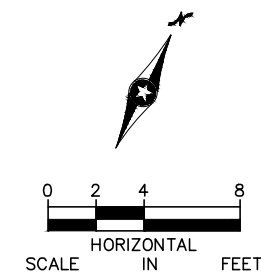
1 TRACK 2 SIDE CANOPY PLAN - MIDDLE  
SCALE: 1/8"=1'-0"



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"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
WOODDALE STATION  
COMMUNICATIONS  
CANOPY PLAN - TRACK 2 SIDE

DISCIPLINE:

ELECTRICAL

SHEET NAME:

E2-WDL-ELE-PLN-422

SHEET

174

OF

319




Sep. 25 2015 09:16 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-WDL-ELE-SCH-461.dwg By: FergTK

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"

1

COMMUNICATIONS CONDUIT SCHEDULE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL	<div><div><div>AECOM</div><div>MP Consultants</div><div>CONSULTING ENGINEERING MINNEAPOLIS • MINNESOTA</div></div></div>		<div><div><div>METROPOLITAN COUNCIL</div><div>SOUTHWEST</div><div>Green Line LRT Extension</div><div></div></div></div>		CIVIL EAST - VOLUME 11A WOODDALE STATION COMMUNICATIONS CONDUIT SCHEDULE (1 OF 2)		DISCIPLINE: ELECTRICAL	SHEET NAME: E2-WDL-ELE-SCH-461	SHEET 175 OF 319
						60% SUBMISSION - 09/28/15								



[illegible]

**METROPOLITAN**  
COUNCIL



DISCIPLINE: **ELECTRICAL**

SHEET NAME: E2-WDL-ELE-SCH-462



CODE SUMMARY - CENTER PLATFORM  
BELTLINE STATION

CODE REFERENCES

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

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)  
5420 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 = 5420 S.F. / 15 S.F./OCC = 361  
REQUIRED EGRESS WIDTH = 361 X 0.2 = 72" (PER 1005.3.2)  
WIDTH PROVIDED = 2 RAMPS AT 145" = 290"  
2 MEANS OF EGRESS PROVIDED

NFPA 130 EXITING SUMMARY

FURTHER ANALYSIS REQUIRED

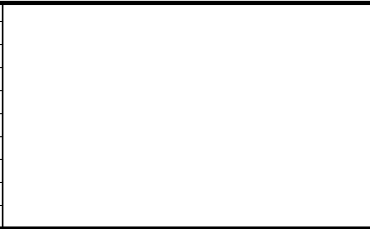
PLATFORM COLOR AND  
FINISH SCHEDULE

SEE STATION SPECIFICATIONS FOR MATERIAL IDENTIFICATION

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	TBD	CEMSTONE SPLIT ROCK	TBD	SS CABLE	CLEAR ANODIZED	HUNTER DOUGLAS WOODWRIGHT 8449 WINDJAMMER TEAK	ALUCOBOND CHERRY SMITH SILVER MICA COOL	3FORM KODA XT GREEN G-06

Sep. 25 2015 10:14 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-COD-010.dwg By: MurphysP

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15

CIVIL EAST - VOLUME 11A  
BELTLINE STATION  
CODE SUMMARY / FINISH SCHEDULE

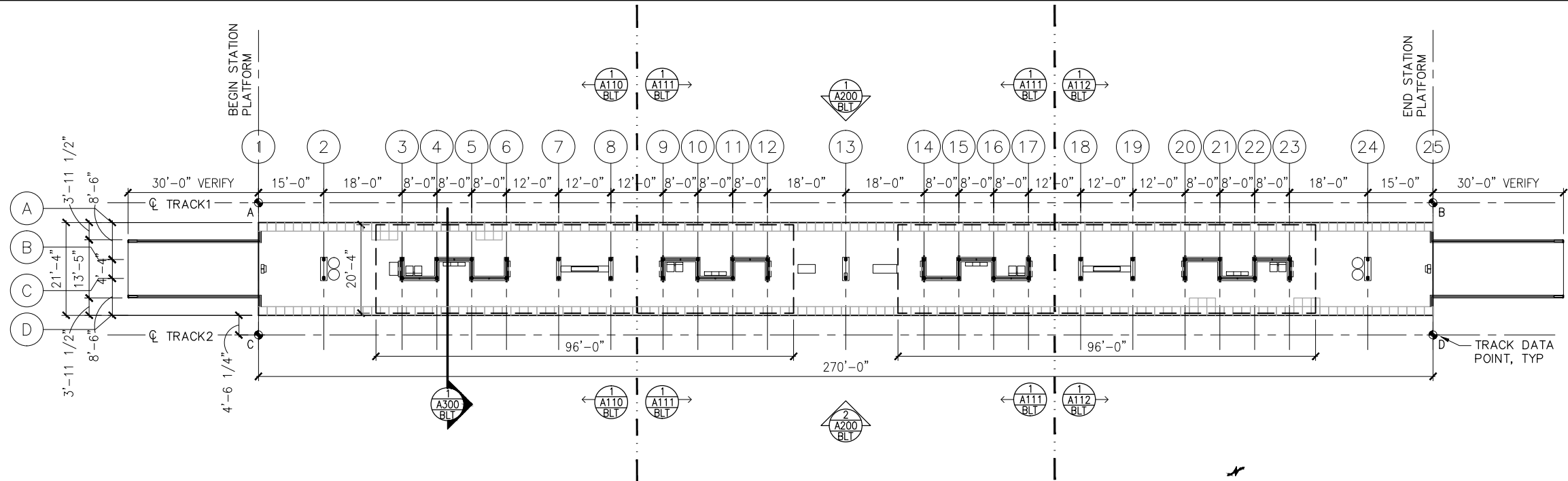
DISCIPLINE: ARCHITECTURE

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

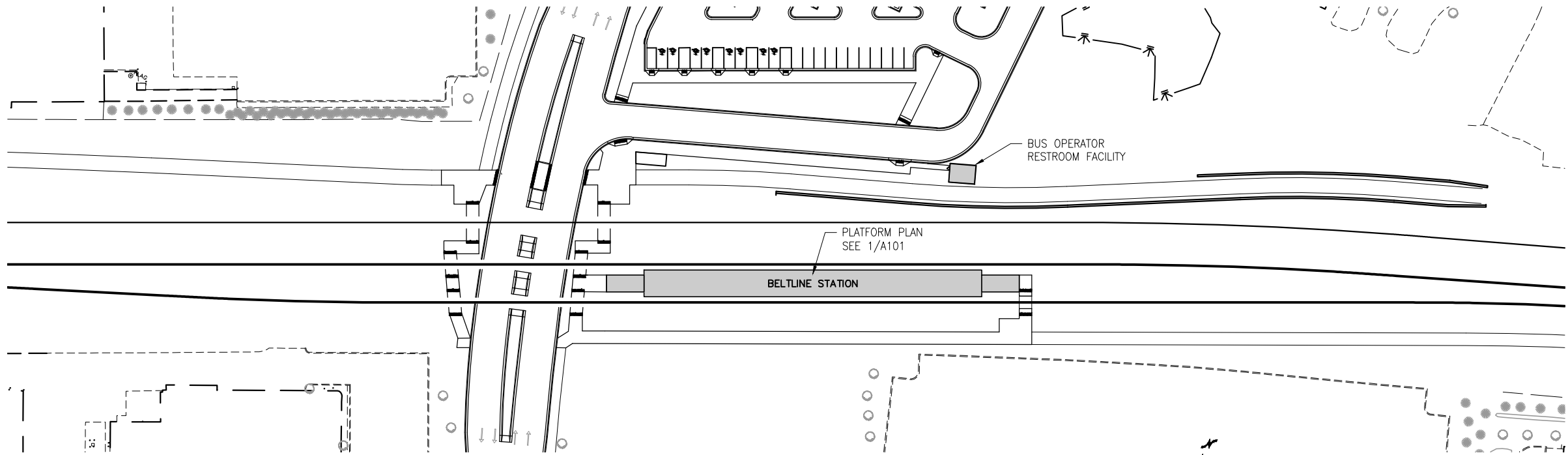
SHEET  
177  
OF  
319



Sep. 21 2015 08:56 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-PLN-101.dwg By: V-IyerN



1 PLATFORM PLAN  
SCALE: 1"=30'



2 STATION AREA PLAN  
SCALE: 1"=100'



TRACK DATA

ELEV 100'-0" (LOCATION ON PLAN)

TRACK 1 EL 100'-0"=     xxx.xx (PT 'A')

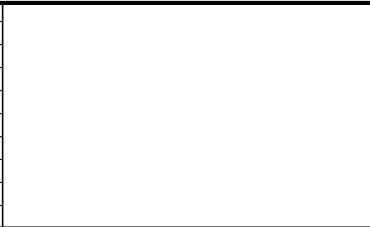
POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING
A	xxx.xx	xxxx+xx.xx
B	xxx.xx	xxxx+xx.xx

TRACK 2 EL 100'-0"=     xxx.xx (PT 'C')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING
C	xxx.xx	xxxx+xx.xx
D	xxx.xx	xxxx+xx.xx

SECTION DIAGRAM AT PLATFORM EDGE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



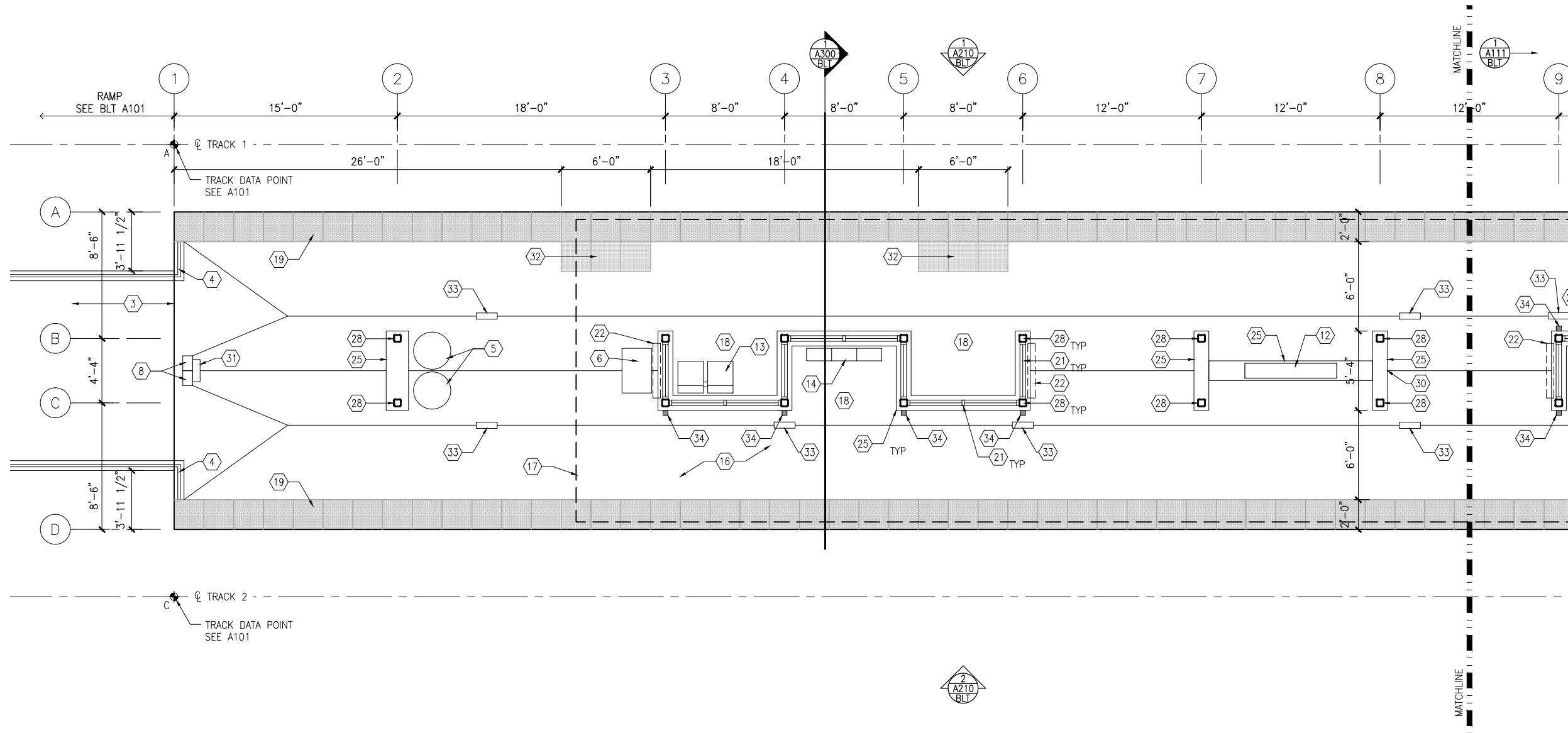
CIVIL EAST - VOLUME 11A  
BELTLINE STATION  
PLATFORM PLAN

DISCIPLINE: ARCHITECTURE     SHEET NAME: E2-BLT-ARC-PLN-101

SHEET  
178  
OF  
319



Sep. 21 2015 08:56 am V:\3400\_ADC\CAD\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-PLN-110.dwg By: V-IyerN



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



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

### KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE (FINAL LOCATIONS ARE TBD)
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
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN
34. PRE-FINISHED METAL DOWNSPOUT

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**



60% SUBMISSION - 09/28/15

**CIVIL EAST - VOLUME 11A**  
**BELTLINE STATION**  
**WEST PARTIAL PLATFORM PLAN**

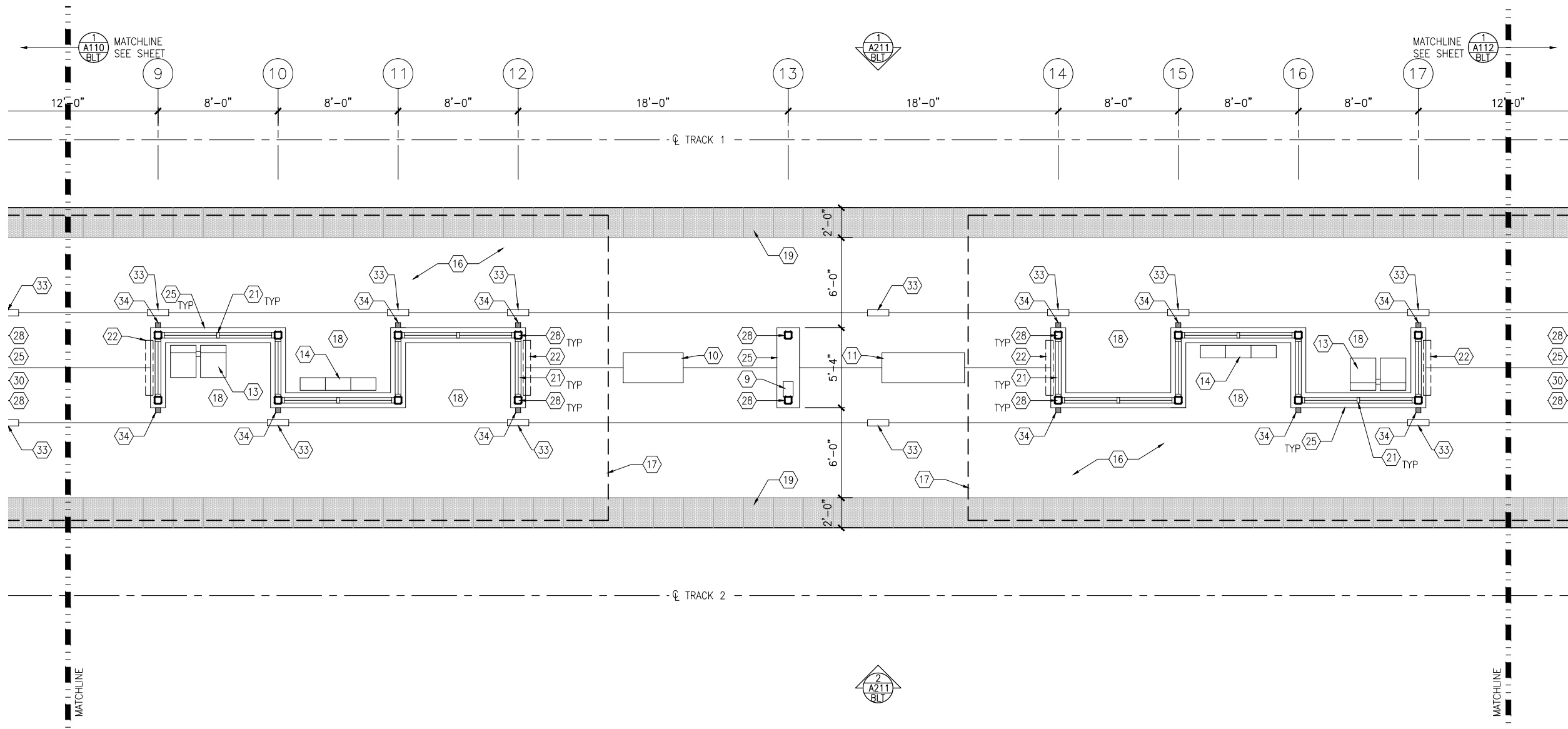
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E2-BLT-ARC-PLN-110**

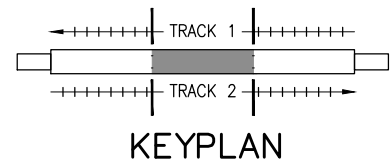
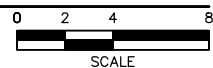
**SHEET**  
**179**  
**OF**  
**319**



Sep. 21 2015 08:57 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-PLN-111.dwg By: V-IyerN



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



### 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

### KEY NOTES - #

- NOTE: ALL KEYNOTES MAY NOT BE USED
1. ENTRY MARKER
  2. LIGHT MOUNTED TO STRUCTURE
  3. ACCESS RAMP
  4. HAND RAIL
  5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
  6. TICKET VENDING MACHINE
  7. FUTURE TICKET VENDING MACHINE
  8. STORED VALUE VALIDATOR
  9. EMERGENCY CALL BOX
  10. COMMUNICATION CABINET
  11. ELECTRICAL CABINET
  12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
  13. BENCH
  14. LEANING RAIL
  15. OVERHEAD CONTACT SYSTEM
  16. CONCRETE PLATFORM
  17. CANOPY ABOVE
  18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
  19. DETECTABLE WARNING AT BOARDING EDGE
  20. GUARD RAIL AND SAFETY SCREEN
  21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
  22. VARIABLE MESSAGE SIGN ABOVE (FINAL LOCATIONS ARE TBD)
  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
  31. RIDER ALERT PANEL
  32. ADA DOOR POSITION INDICATOR
  33. AREA DRAIN
  34. PRE-FINISHED METAL DOWNSPOUT

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**BELTLINE STATION**  
**MIDDLE PARTIAL PLATFORM PLAN**

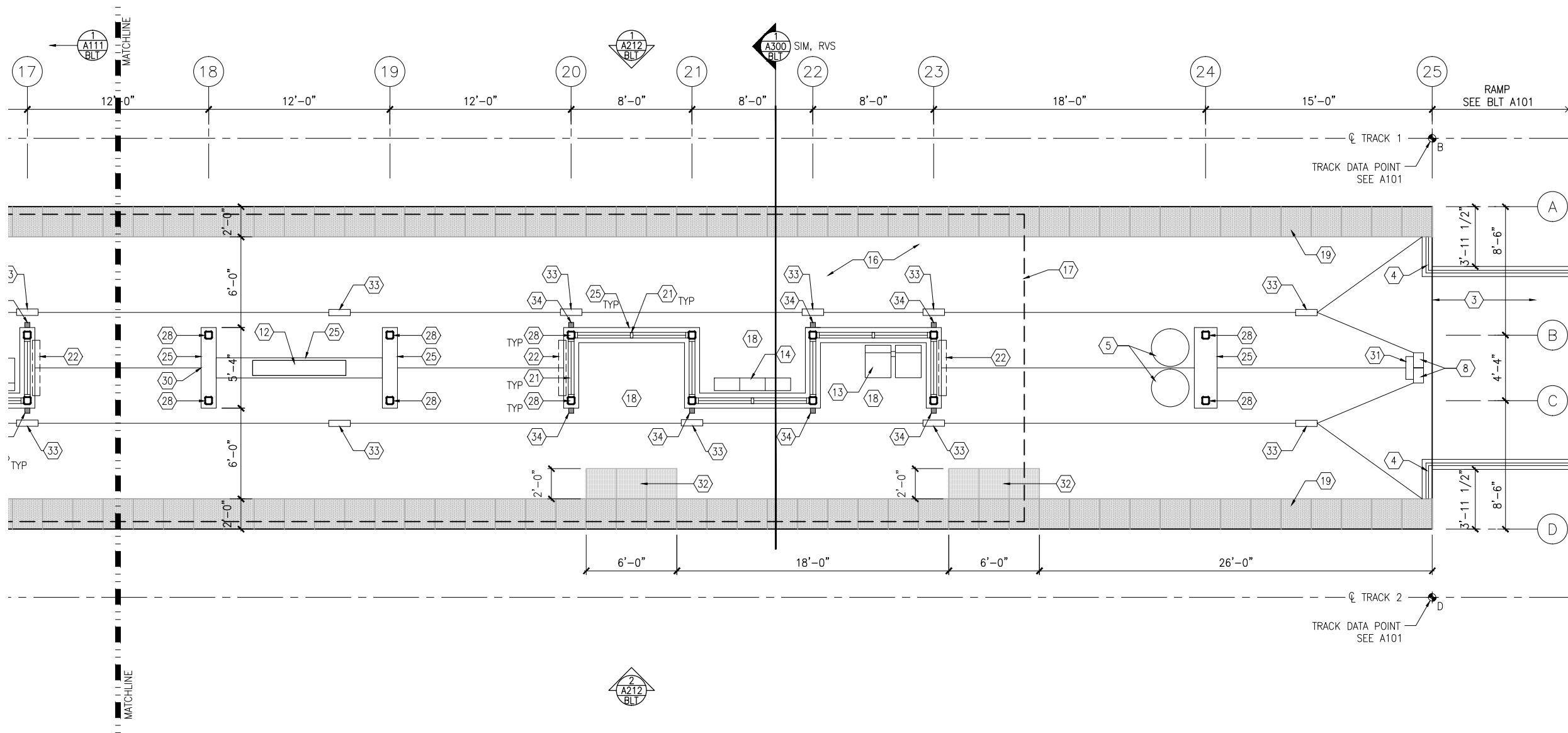
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E2-BLT-ARC-PLN-111**

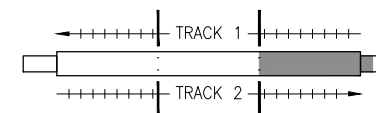
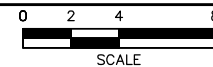
**SHEET**  
**180**  
**OF**  
**319**



Sep. 21 2015 08:57 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-PLN-112.dwg By: V-Iyer/N



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



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

## KEY NOTES - (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE (FINAL LOCATIONS ARE TBD)
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
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN
34. PRE-FINISHED METAL DOWNSPOUT

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**BELTLINE STATION**  
**EAST PARTIAL PLATFORM PLAN**

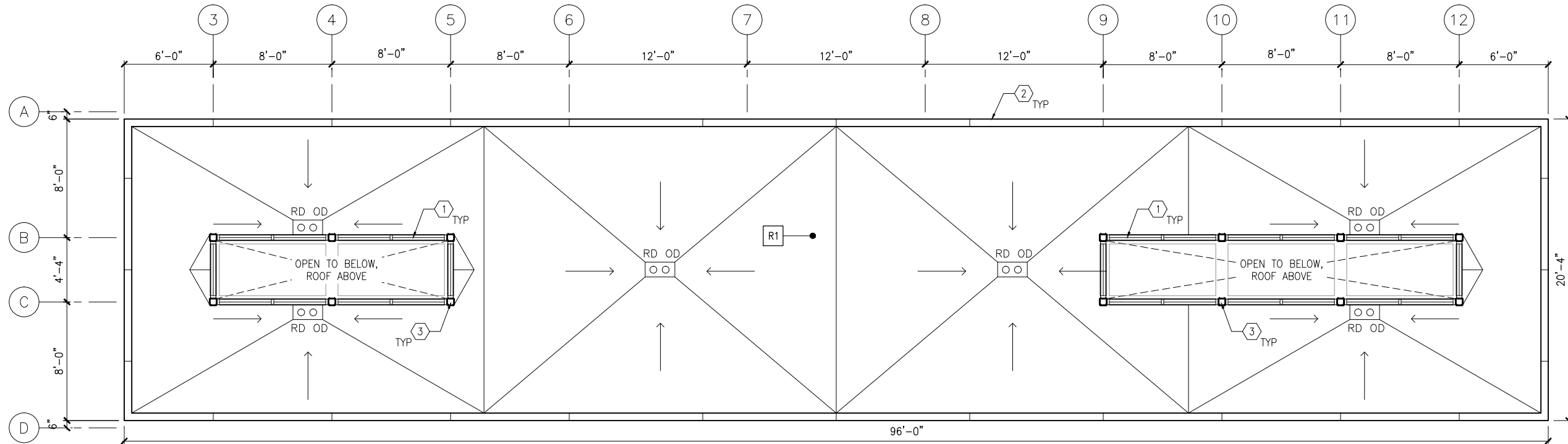
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E2-BLT-ARC-PLN-112**

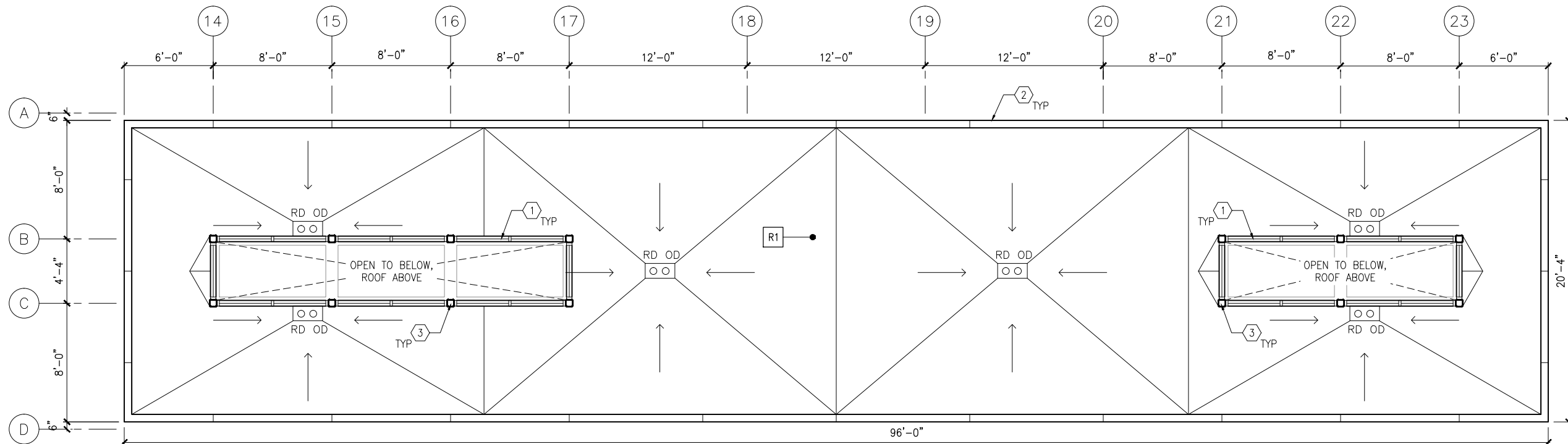
**SHEET**  
**181**  
**OF**  
**319**



Sep. 21 2015 08:58 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-PLN-150.dwg By: V-Iyer/N



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



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

## GENERAL SHEET NOTES

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- ROOF SLOPE IS 1/8" PER FT UNO

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

- ALUMINUM STOREFRONT AND TRANSLUCENT GLAZING SYSTEM
- ALUMINUM COMPOSITE PANEL COPING
- STEEL COLUMN - SEE STRUCTURAL
- STEEL BEAM ABOVE - SEE STRUCTURAL
- PREFINISHED METAL SCUPPER
- PREFINISHED METAL GUTTER, SLOPE TO DOWNSPOUTS
- ROOF BASE FLASHING
- SUMP
- CONCRETE SPLASH BLOCK
- PRE-FINISHED METAL DOWNSPOUT
- ROOF EXPANSION JOINT
- BUILDING EXPANSION JOINT
- VENT THROUGH ROOF - SEE PLUMB
- INTEGRAL ROOF GUTTER - SLOPE TO DOWNSPOUTS BELOW
- 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<sub>u</sub> INSULATION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A  
BELTLINE STATION  
ROOF PLANS**

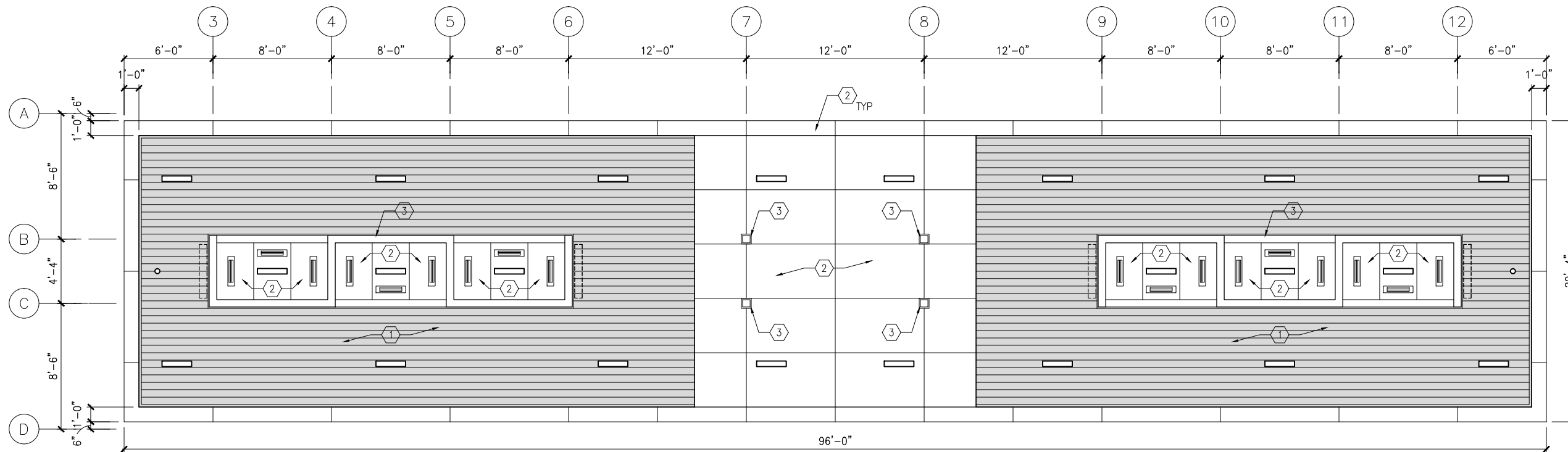
DISCIPLINE: **ARCHITECTURE**

SHEET NAME: **E2-BLT-ARC-PLN-150**

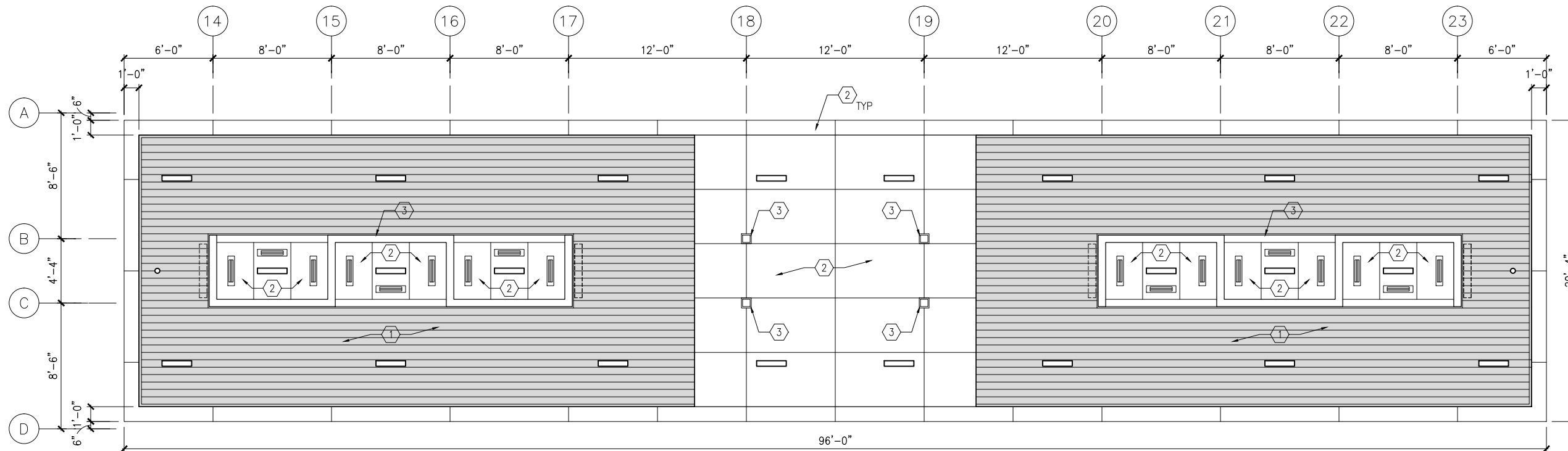
**SHEET**  
**182**  
**OF**  
**319**



Sep. 21 2015 08:58 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-RCP-180.dwg By: V-lyerN



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



2 REFLECTED CEILING PLAN - EAST CANOPY  
SCALE: 1/8"=1'-0"

## 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

## 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. PRECAST CONCRETE WALKWAY - SEE STRUCTURAL
  5. PRECAST CONCRETE STAIR - SEE STRUCTURAL
  6. EXPOSED STRUCTURE - SEE STRUCTURAL
  7. ACOUSTIC CEILING
  8. HINGED PANELS FOR EQUIPMENT ACCESS

## LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- SPEAKER
- MICROPHONE
- SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- LAY-IN CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
BELTLINE STATION  
REFLECTED CEILING PLANS**

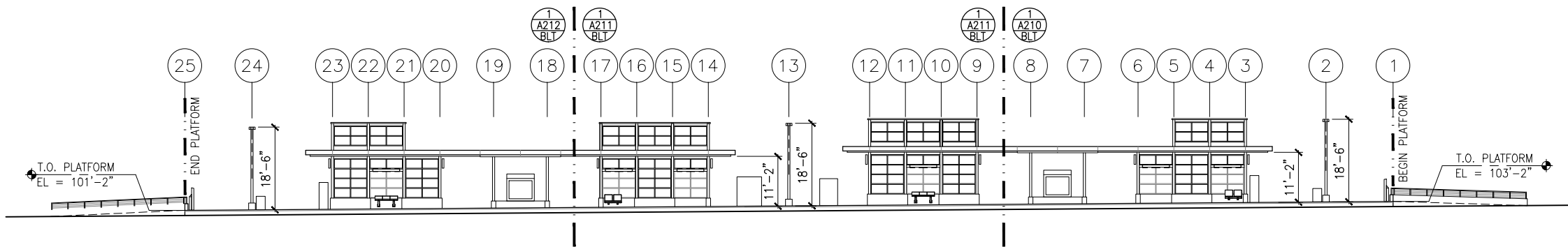
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E2-BLT-ARC-RCP-180**

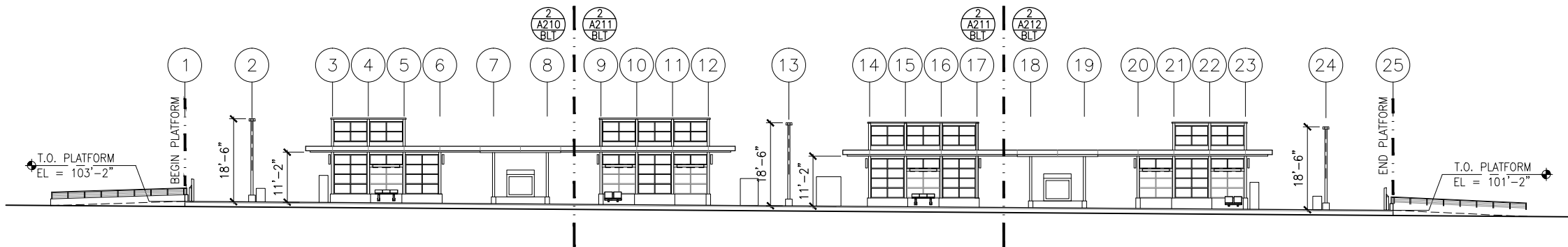
**SHEET**  
**183**  
**OF**  
**319**



Sep. 21 2015 08:59 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-ELV-200.DWG By: V-IyerN



1 TRACK 1 ELEVATION  
SCALE: 1"=30' (-0.74% SLOPE)\*



2 TRACK 2 ELEVATION  
SCALE: 1"=30' (-0.74% SLOPE)\*

#### 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

\*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A  
BELTLINE STATION  
ELEVATIONS**

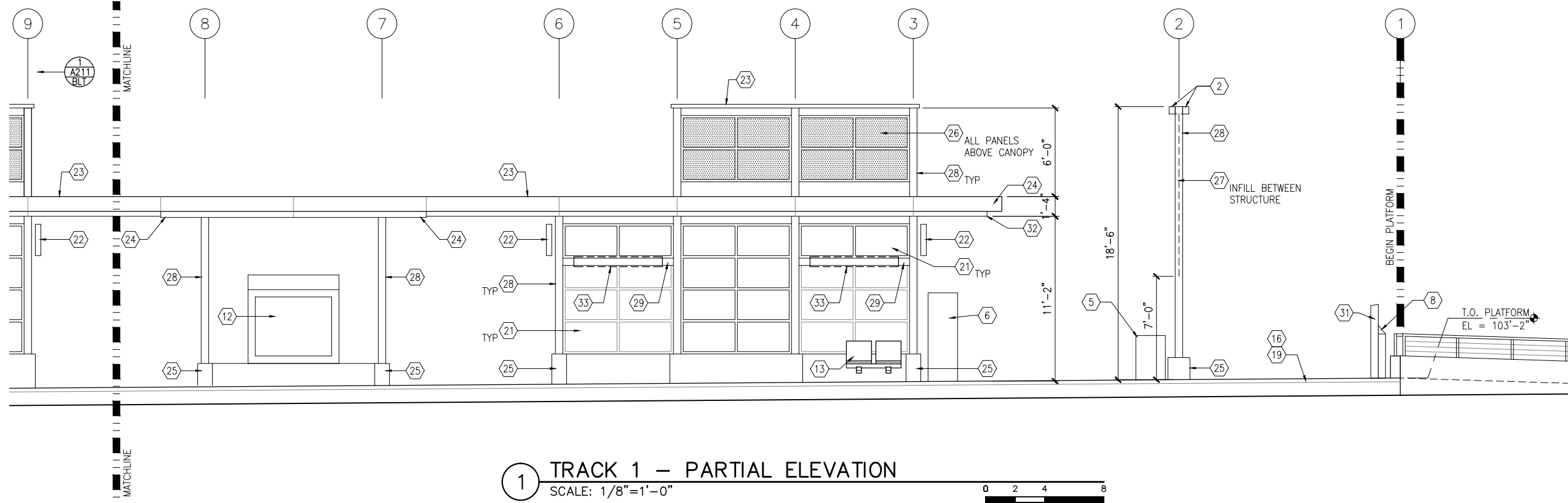
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E2-BLT-ARC-ELV-200**

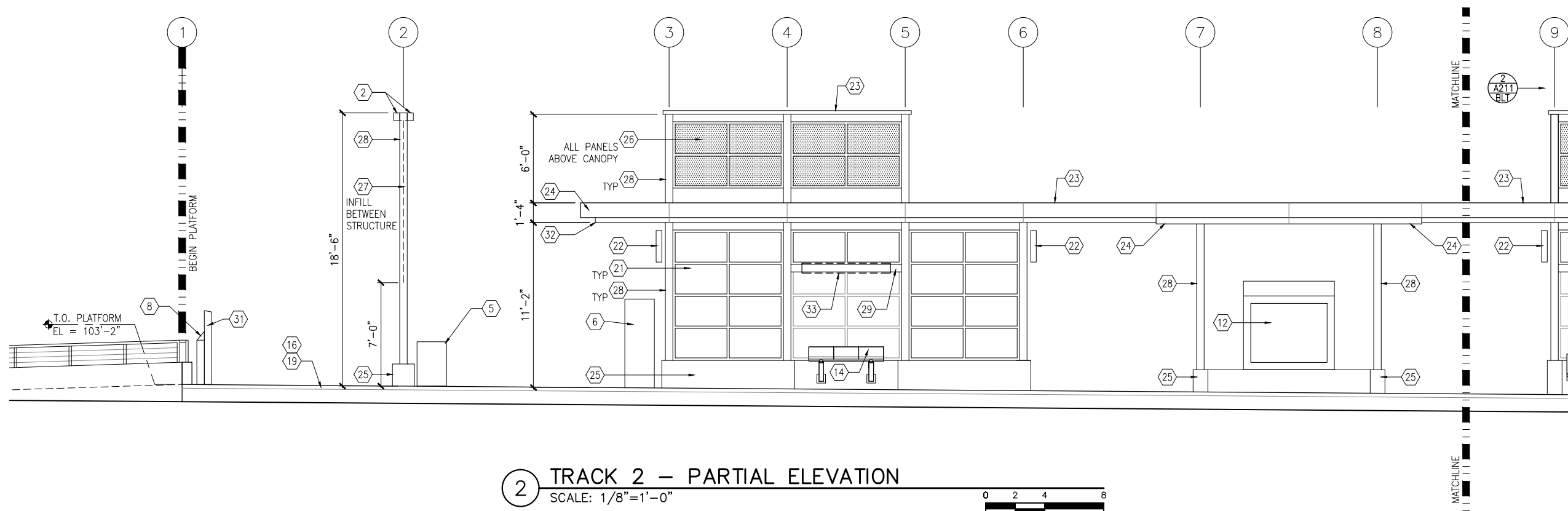
**SHEET**  
**184**  
**OF**  
**319**



Sep. 21 2015 08:59 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-ELV-210.dwg By: V-IyerN



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



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



## 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

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
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
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 - SEE STRUCT
36. PRE-FINISHED METAL DOWNSPOUT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. RAIN WATER LEADER - SEE PLUMBING
41. NOT USED
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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
BELTLINE STATION  
WEST PARTIAL ELEVATIONS**

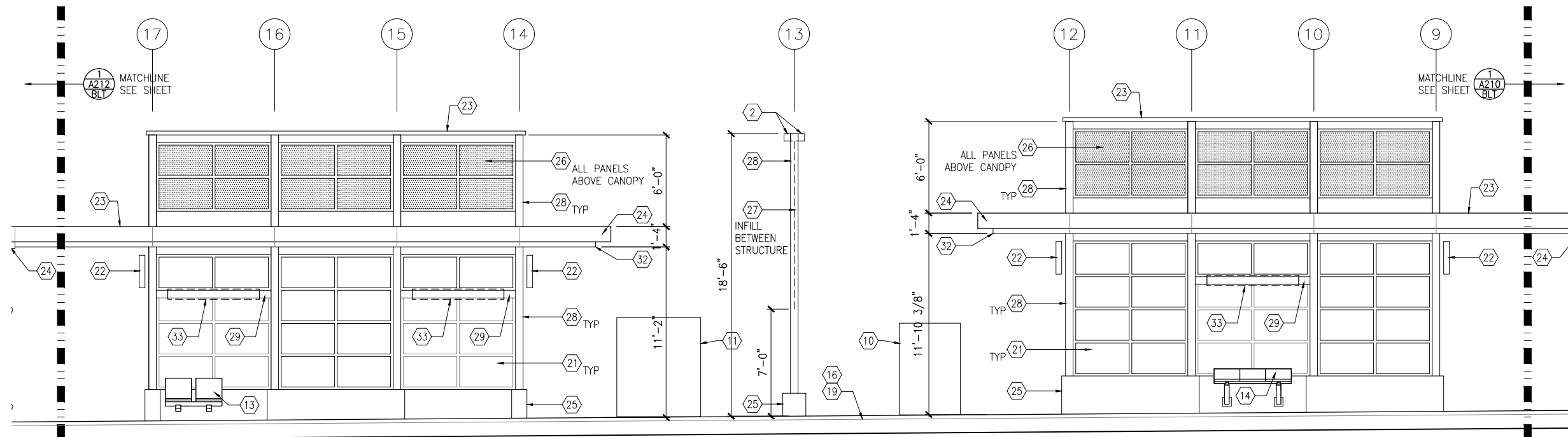
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E2-BLT-ARC-ELV-210**

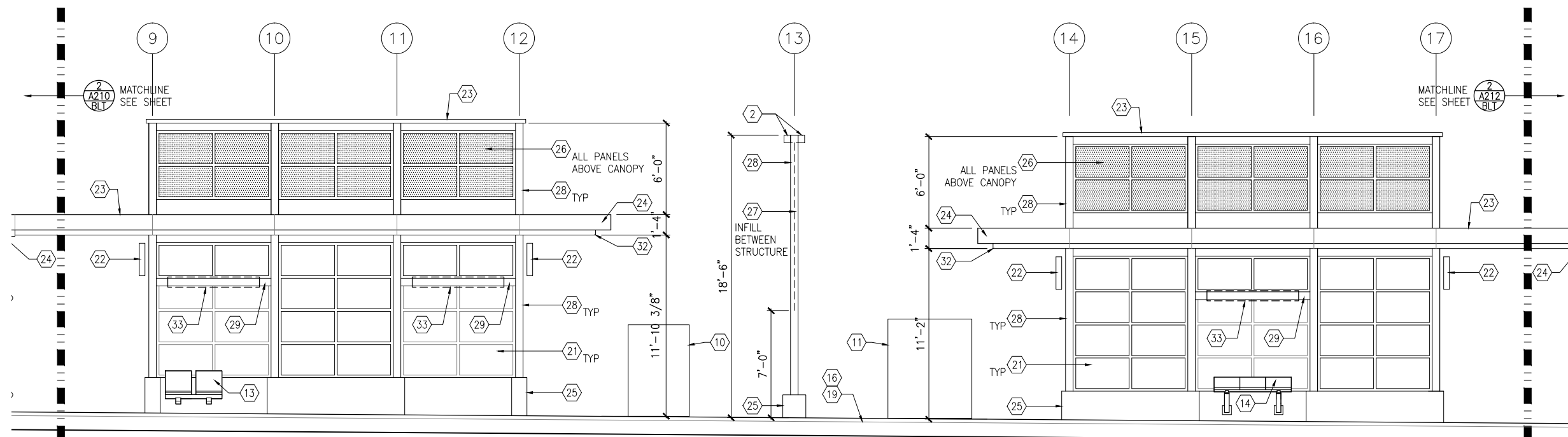
**SHEET**  
**185**  
**OF**  
**319**



Sep. 21 2015 09:00 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-ELV-211 .dwg By: V-ljyeN



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



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



## 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

## KEY NOTES – #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
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
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 – SEE STRUCT
36. PRE-FINISHED METAL DOWNSPOUT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. RAIN WATER LEADER – SEE PLUMBING
41. NOT USED
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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**



60% SUBMISSION - 09/28/15

**CIVIL EAST - VOLUME 11A**  
**BELTLINE STATION**  
**MIDDLE PARTIAL ELEVATIONS**

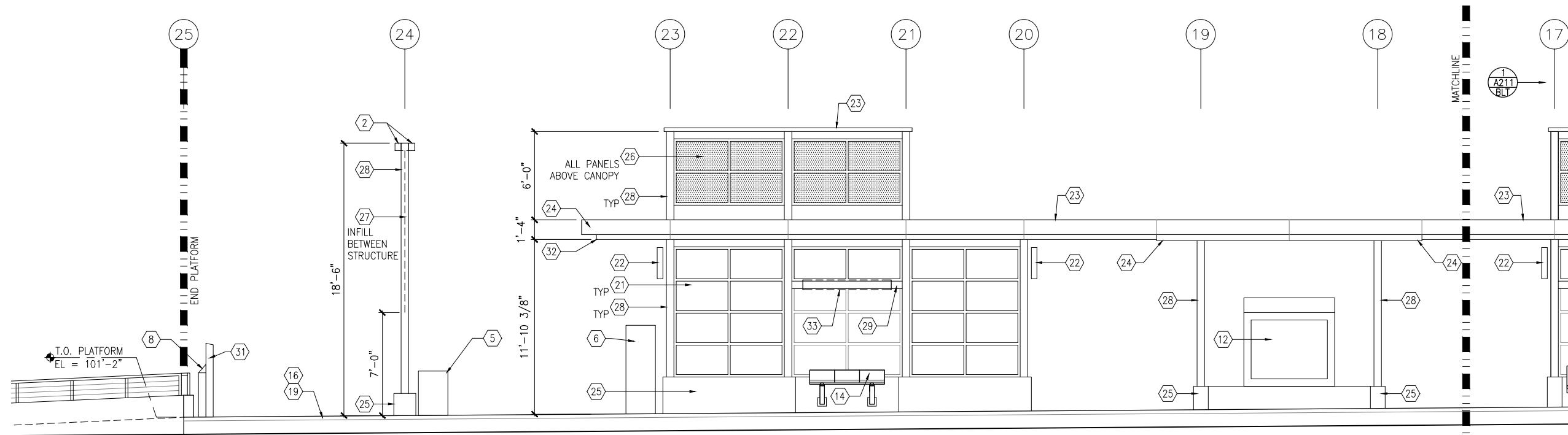
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E2-BLT-ARC-ELV-211**

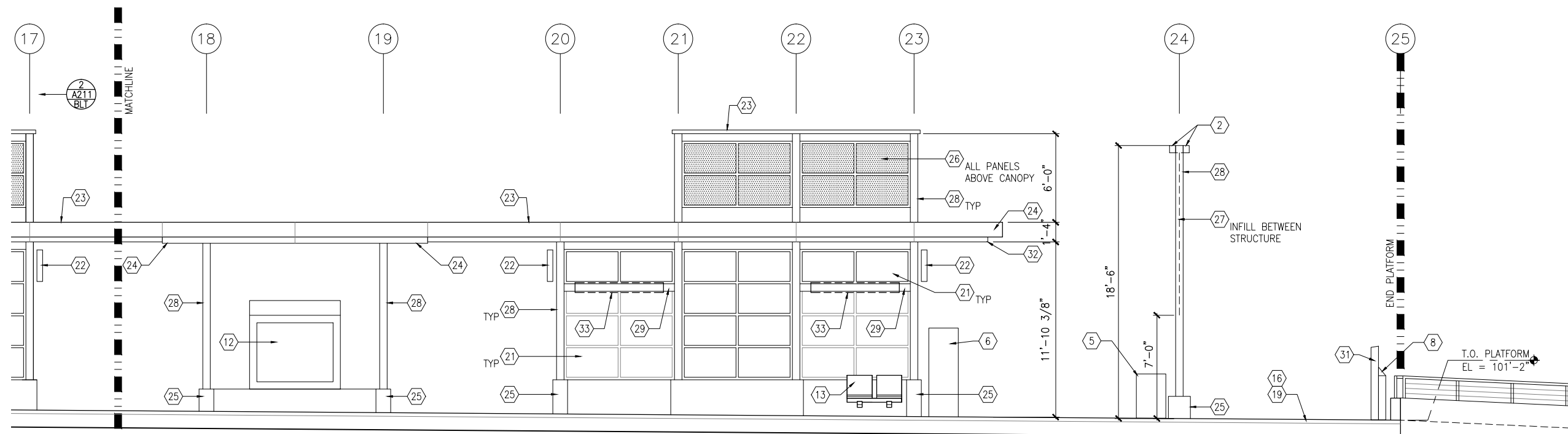
**SHEET**  
**186**  
**OF**  
**319**



Sep. 21 2015 09:00 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-ELV-212.dwg By: V-IyerN



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



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



## 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

## KEY NOTES – #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
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
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 – SEE STRUCT
36. PRE-FINISHED METAL DOWNSPOUT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. RAIN WATER LEADER – SEE PLUMBING
41. NOT USED
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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
BELTLINE STATION  
EAST PARTIAL ELEVATIONS**

DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E2-BLT-ARC-ELV-212**

**SHEET**

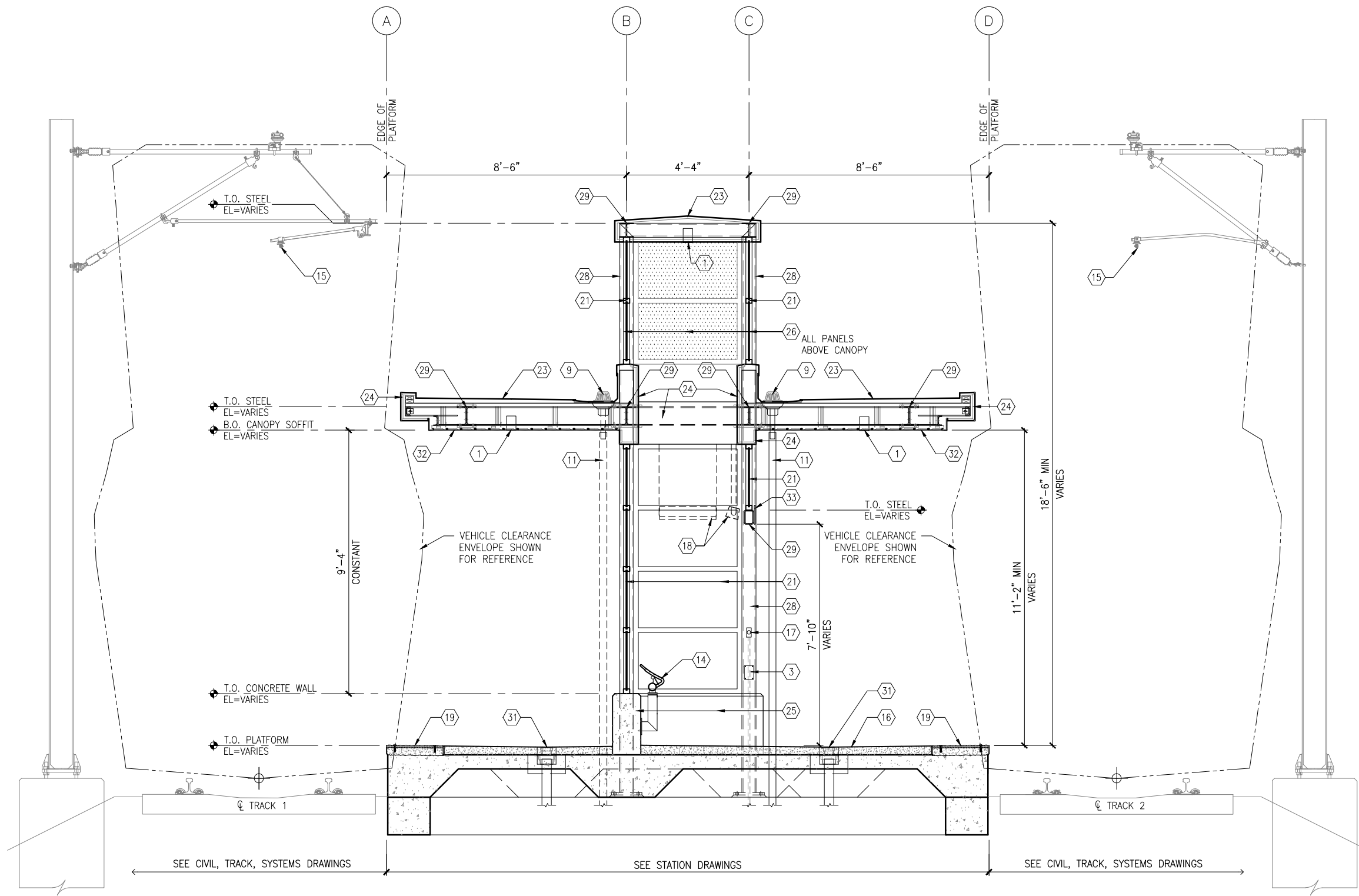
**187**

**OF**

**319**



Sep. 21 2015 09:01 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ARCH\BELTLINE STATION\E2-BLT-ARC-SCT-300.dwg By: V-IyerN



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



## 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

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT
2. LIGHT MOUNTED TO STRUCTURE
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA
6. TICKET VENDING MACHINE
7. EMERGENCY TELEPHONE LIGHT
8. EMERGENCY CALL BOX
9. ROOF DRAIN
10. PRE-FINISHED METAL GUTTER
11. PRE-FINISHED METAL DOWNSPOUT
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. HEATER PUSH BUTTON CONTROLS
18. INFRARED HEATER
19. DETECTABLE WARNING PAVER AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
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
31. AREA DRAIN
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

## LEGEND

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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
BELTLINE STATION  
TYPICAL PLATFORM SECTION**

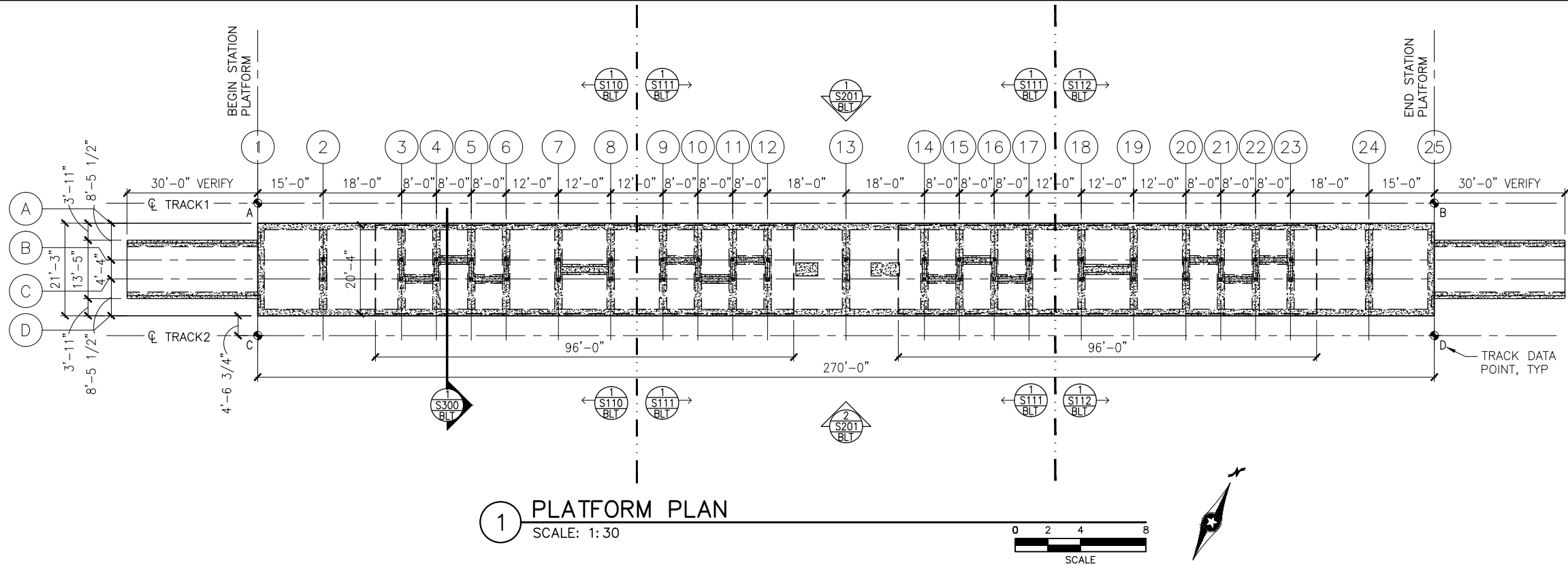
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E2-BLT-ARC-SCT-300**

**SHEET  
188  
OF  
319**



Sep. 21 2015 09:12 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Beltline\CAD\STR\E2-BLT-STR-PLN-101.dwg By: pepins



TRACK DATA

ELEV 100'-0" (LOCATION ON PLAN)

TRACK 1 EL 100'-0"=     xxx.xx (PT 'A')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING	
A	xxx.xx	xxxx+xx.xx	
B	xxx.xx	xxxx+xx.xx	

TRACK 2 EL 100'-0"=     xxx.xx (PT 'C')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING	
C	xxx.xx	xxxx+xx.xx	
D	xxx.xx	xxxx+xx.xx	

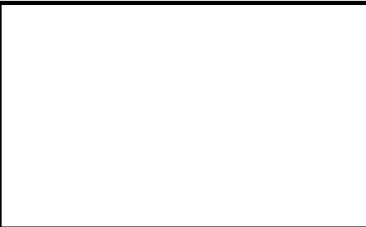
T.O. PLATFORM

T.O. PLATFORM

T.O. RAIL  
(A,B,C,D)

SECTION DIAGRAM AT PLATFORM EDGE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



AECOM

60% SUBMISSION - 9/28/15

METROPOLITAN  
C O U N C I L

SOUTHWEST

Green Line LRT Extension

CIVIL EAST - VOLUME 11A

BELTLINE STATION

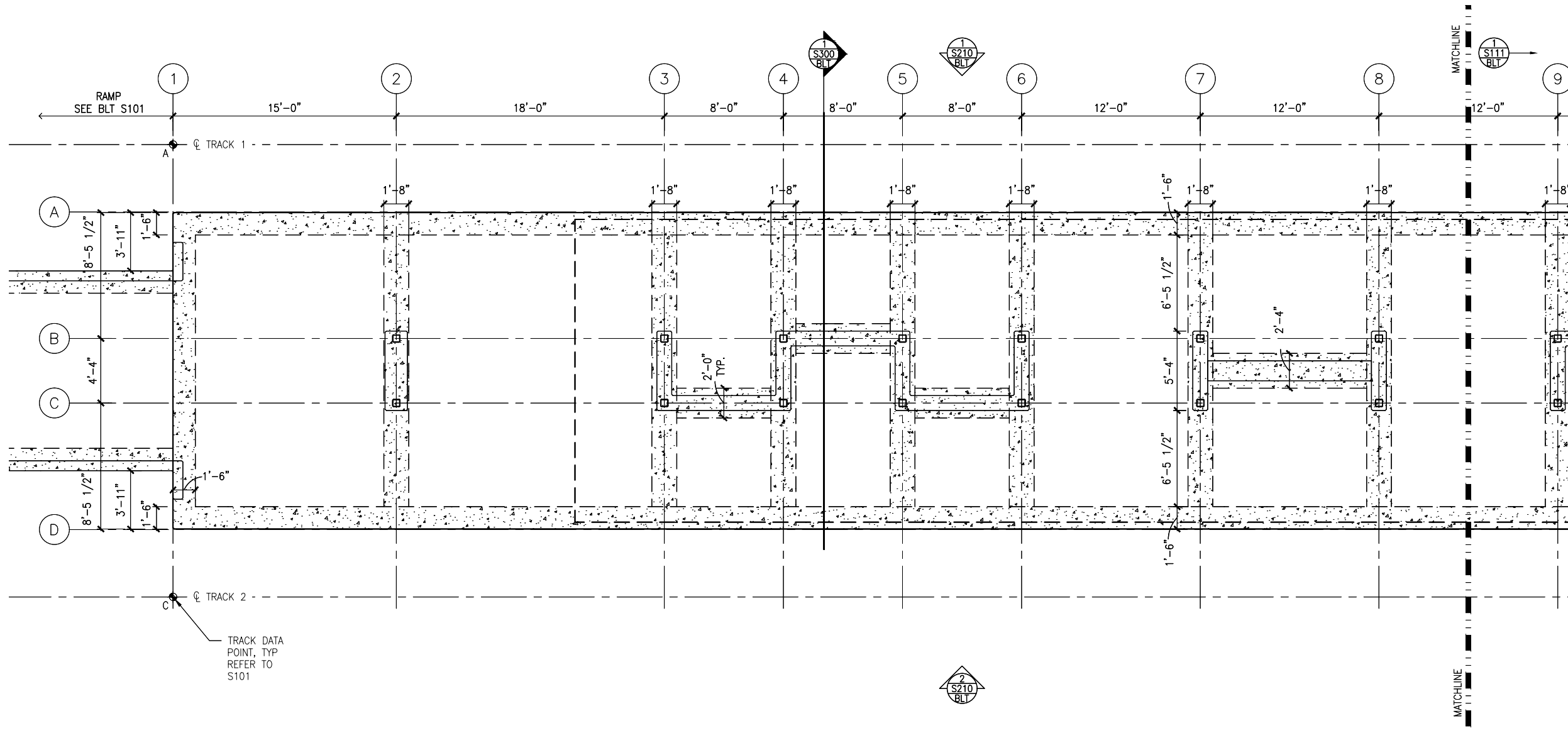
PLATFORM PLAN

DISCIPLINE: STRUCTURES

SHEET NAME: E2-BLT-STR-PLN-101



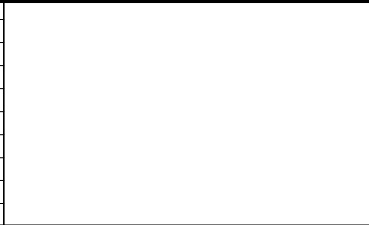
Sep. 21 2015 09:13 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Beltline\CAD\STR\E2-BLT-STR-PLN-110.dwg By: pepins



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15



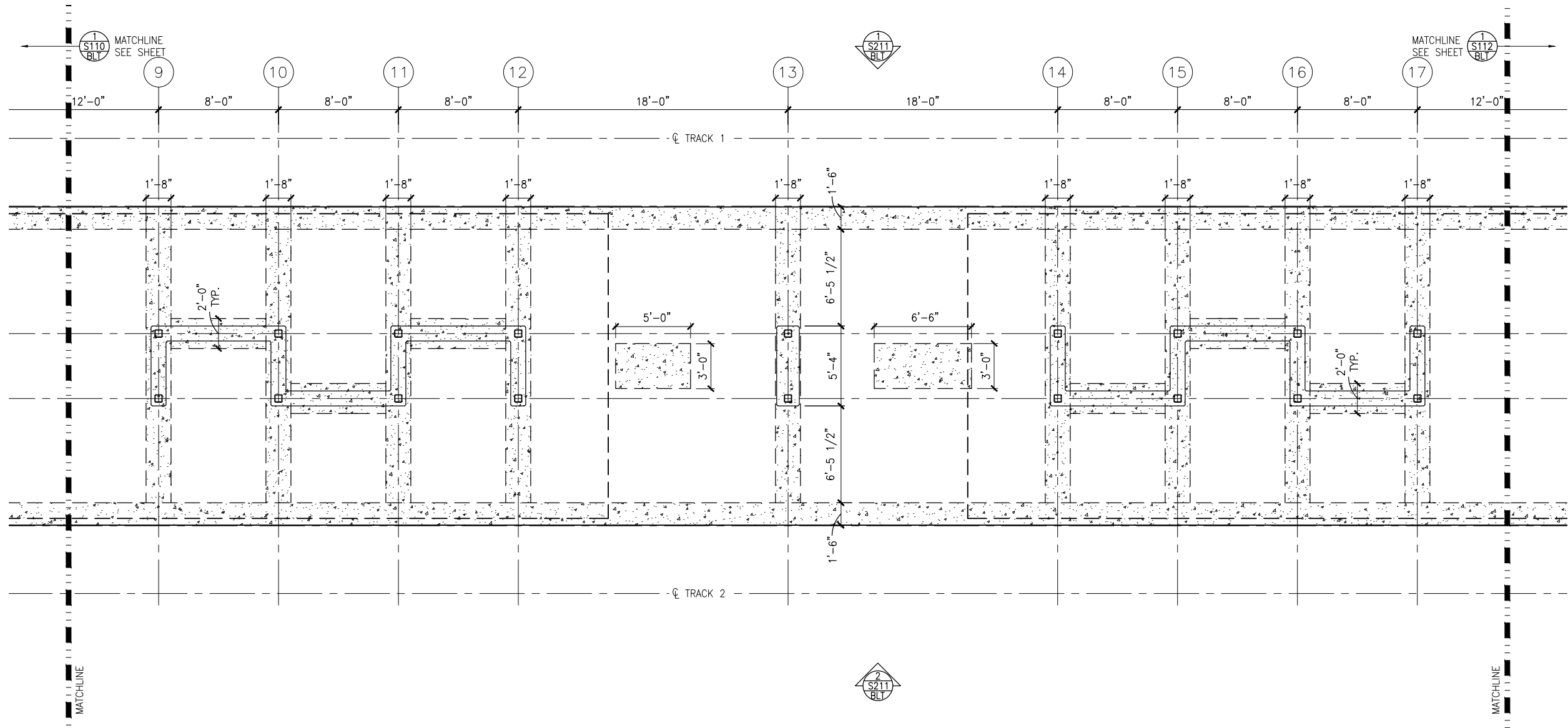
CIVIL EAST - VOLUME 11A  
BELTLINE STATION  
WEST PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES  
SHEET NAME: E2-BLT-STR-PLN-110

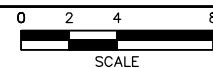
SHEET  
190  
OF  
319



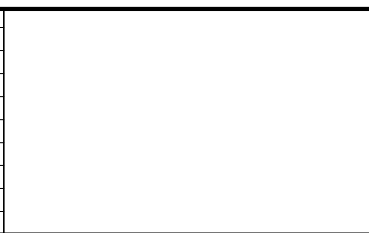
Sep. 21 2015 09:13 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\BelLine\CAD\STR\E2-BLT-STR-PLN-111.dwg By: pepins



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15



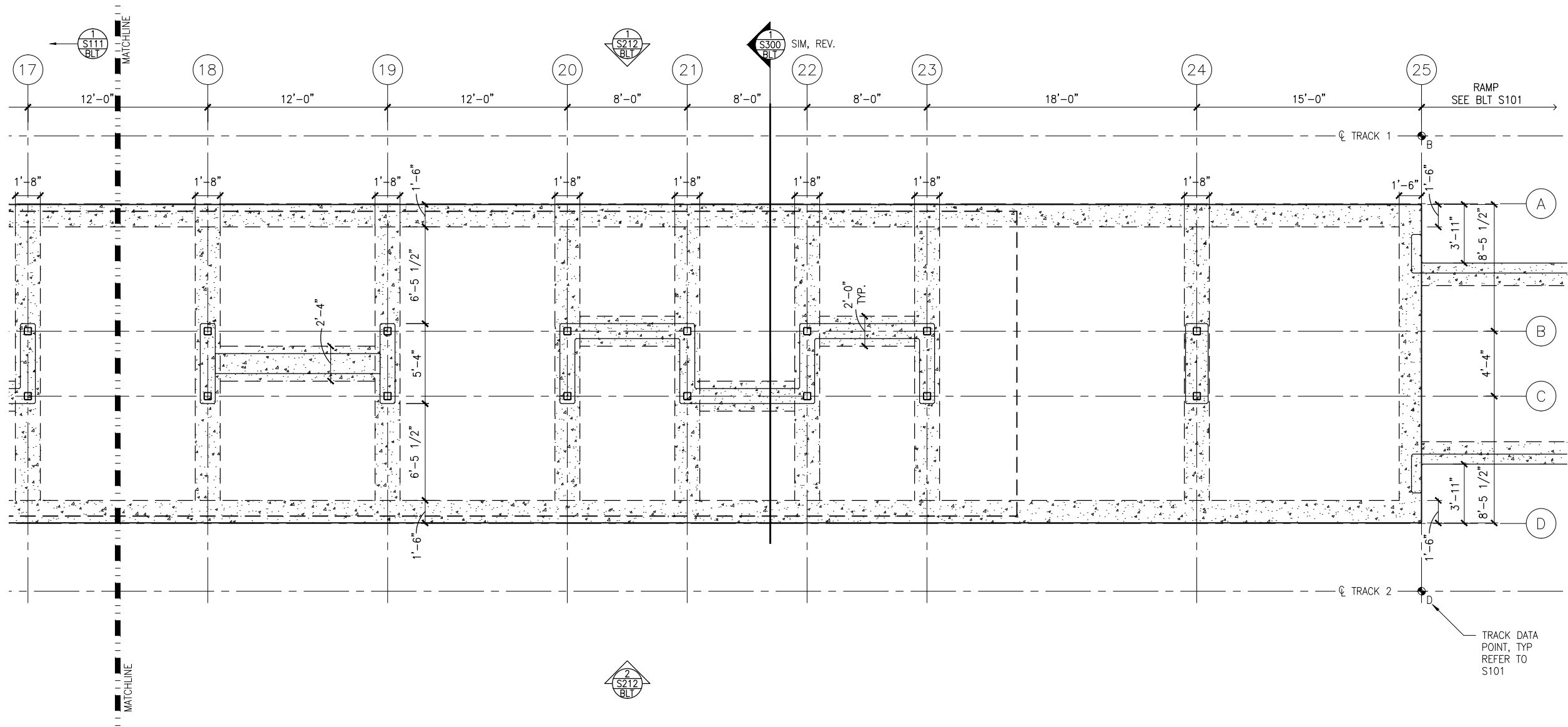
CIVIL EAST - VOLUME 11A  
BELTLINE STATION  
MIDDLE PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES  
SHEET NAME: E2-BLT-STR-PLN-111

SHEET  
191  
OF  
319



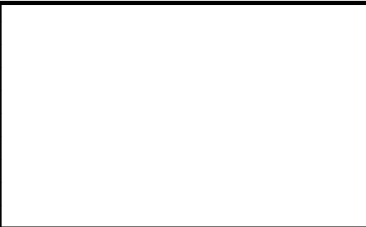
Sep. 21 2015 09:14 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Beltline\CAD\STR\E2-BLT-STR-PLN-112.dwg By: pepins



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





60% SUBMISSION - 9/28/15

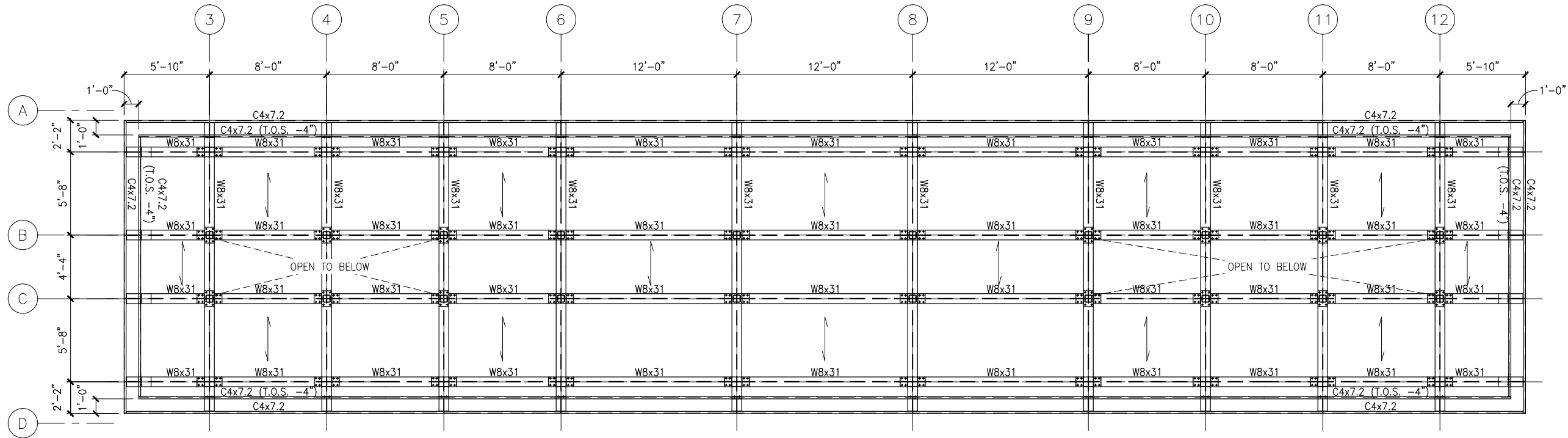


CIVIL EAST - VOLUME 11A  
BELTLINE STATION  
EAST PARTIAL FOUNDATION PLAN

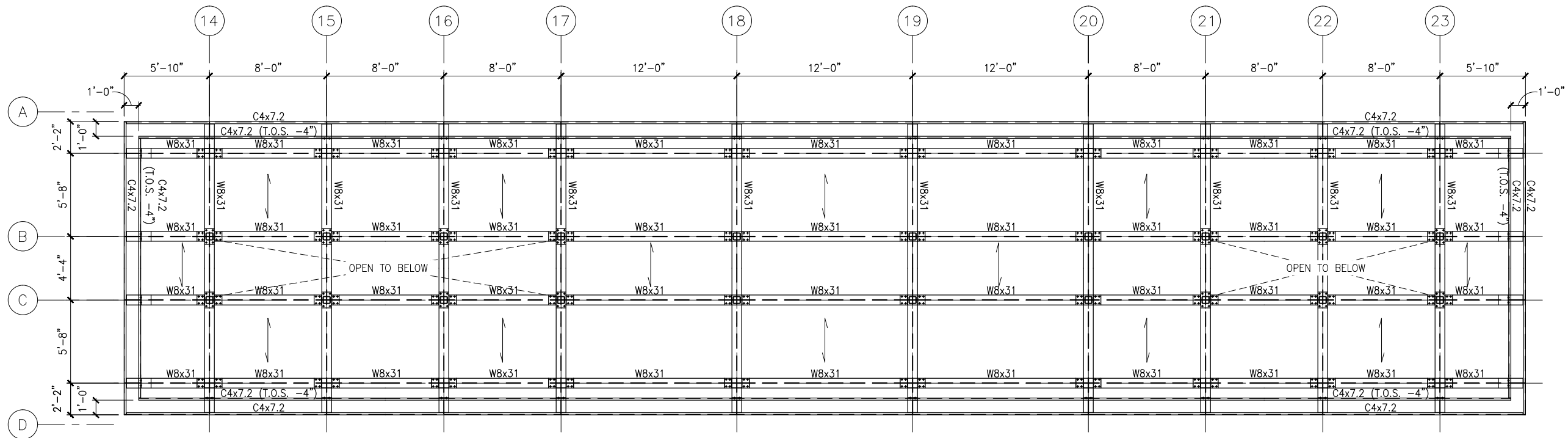
DISCIPLINE: STRUCTURES  
SHEET NAME: E2-BLT-STR-PLN-112



Sep. 21 2015 09:14 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Beltline\CAD\STR\E2-BLT-STR-PLN-150.dwg By: pepins



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



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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 9/28/15



**CIVIL EAST - VOLUME 11A  
BELTLINE STATION  
ROOF FRAMING PLANS**

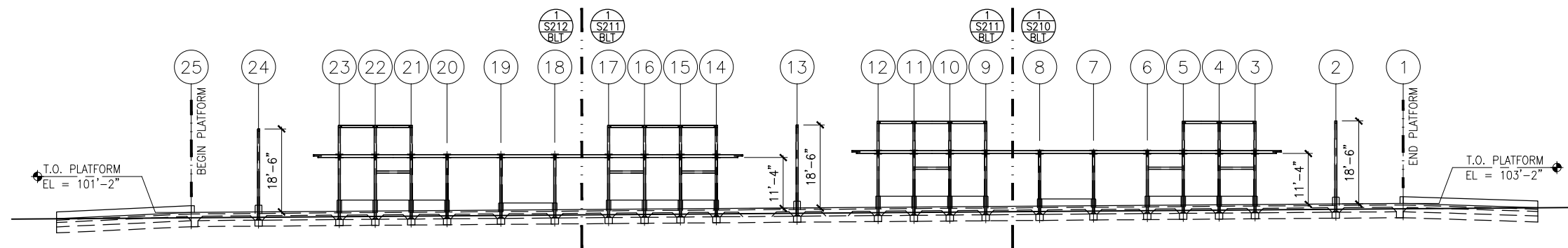
DISCIPLINE:  
**STRUCTURES**

SHEET NAME:  
**E2-BLT-STR-PLN-150**

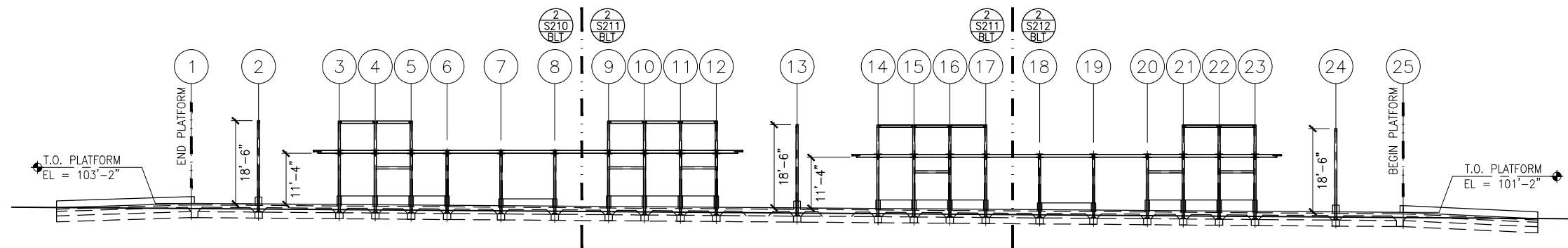
**SHEET  
193  
OF  
319**



Sep. 21 2015 09:15 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Beltline\CAD\STR\E2-BLT-STR-ELV-201.DWG By: pepins



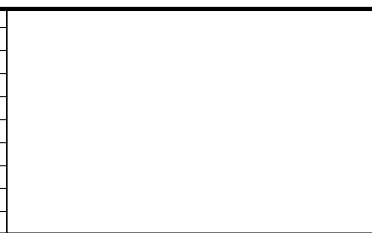
1 TRACK 1 ELEVATION – FRAMING  
SCALE: 1: 30 0 7.5 15 30 (–0.74% SLOPE)\*  
SCALE



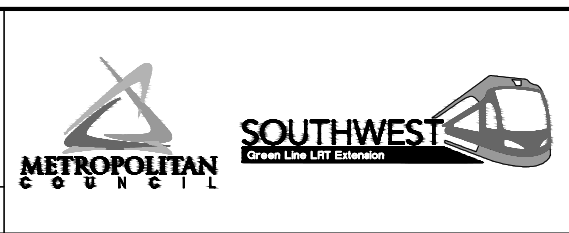
2 TRACK 2 ELEVATION – FRAMING  
SCALE: 1: 30 0 7.5 15 30 (–0.74% SLOPE)\*  
SCALE

\*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15

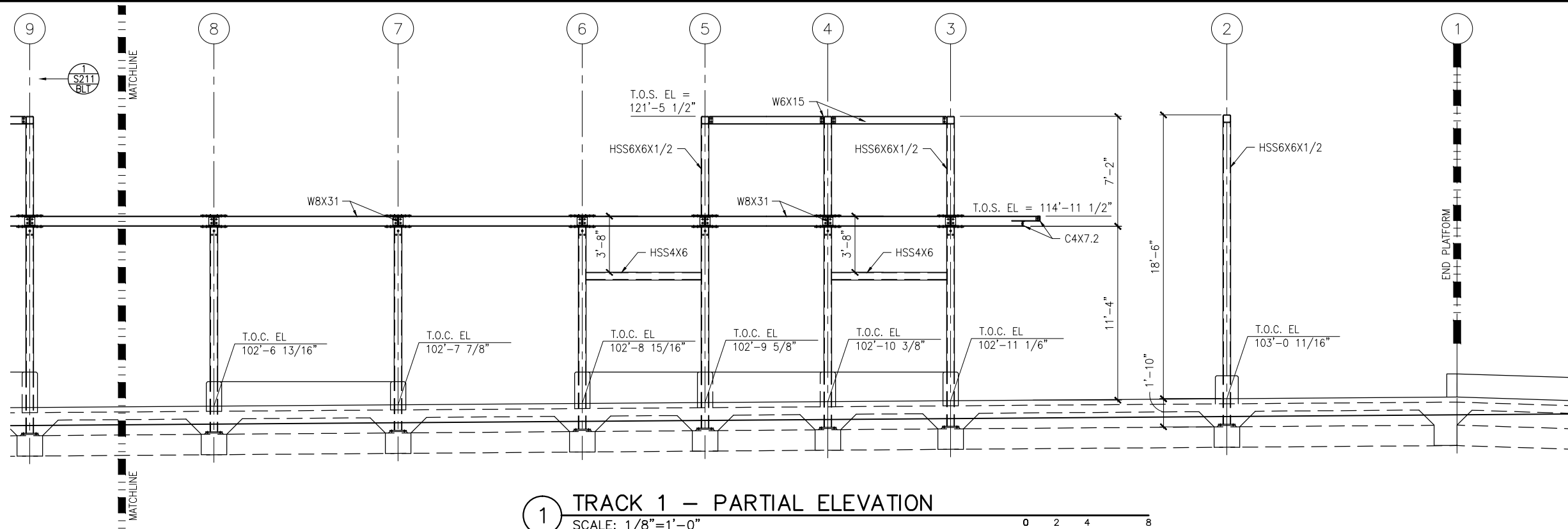


CIVIL EAST - VOLUME 11A BELTLINE STATION ELEVATIONS -- FRAMING	
DISCIPLINE: STRUCTURES	SHEET NAME: E2-BLT-STR-ELV-201

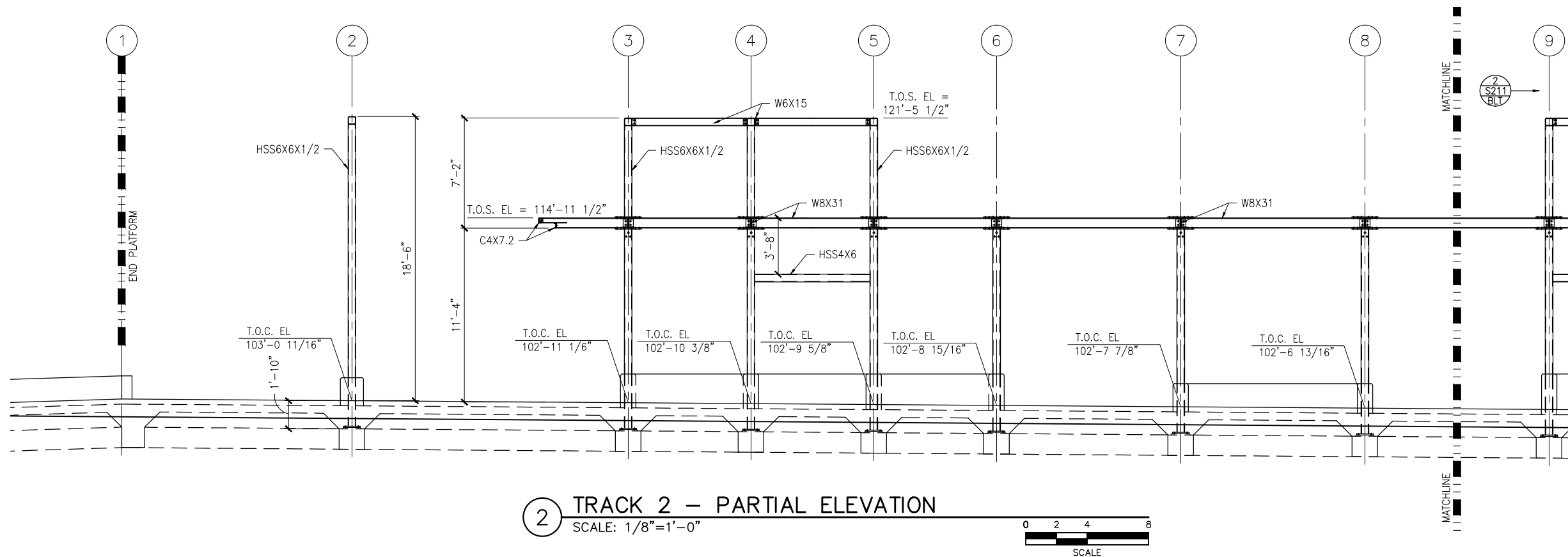
SHEET  
194  
OF  
319



Sep. 21 2015 09:16 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Beltline\CAD\STR\E2-BLT-STR-ELV-210.dwg By: pepins



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



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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 9/28/15



**CIVIL EAST - VOLUME 11A  
BELTLINE STATION  
WEST PARTIAL ELEVATIONS -- FRAMING**

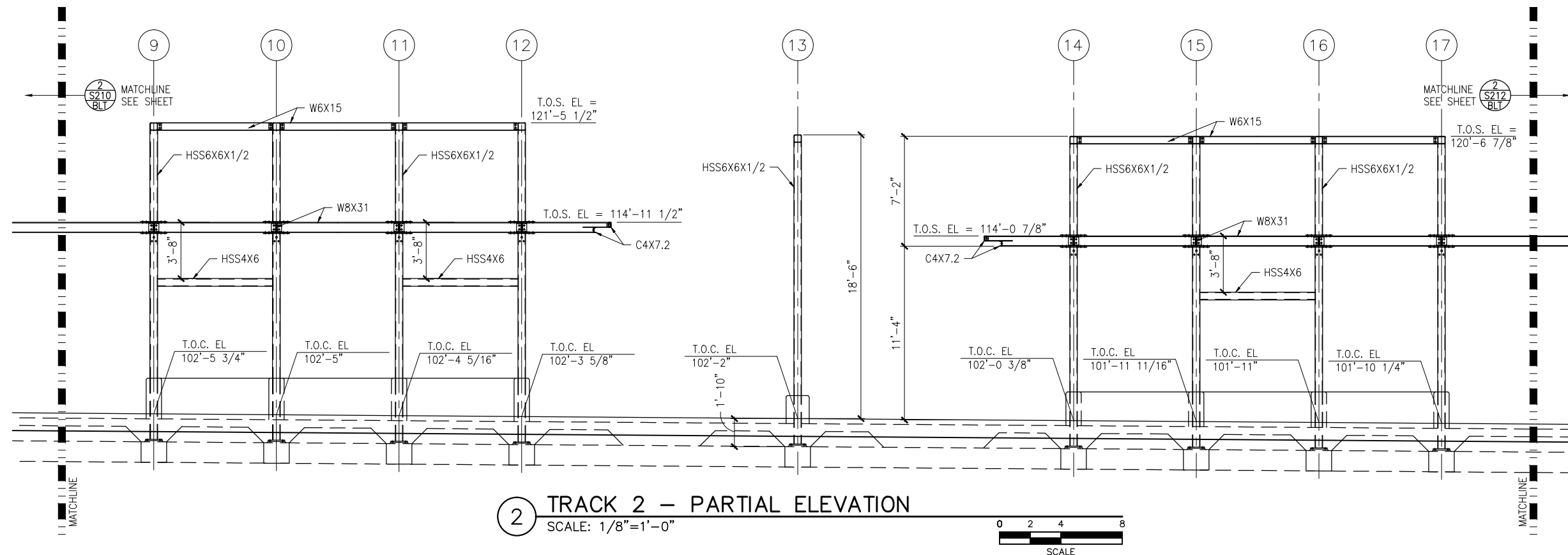
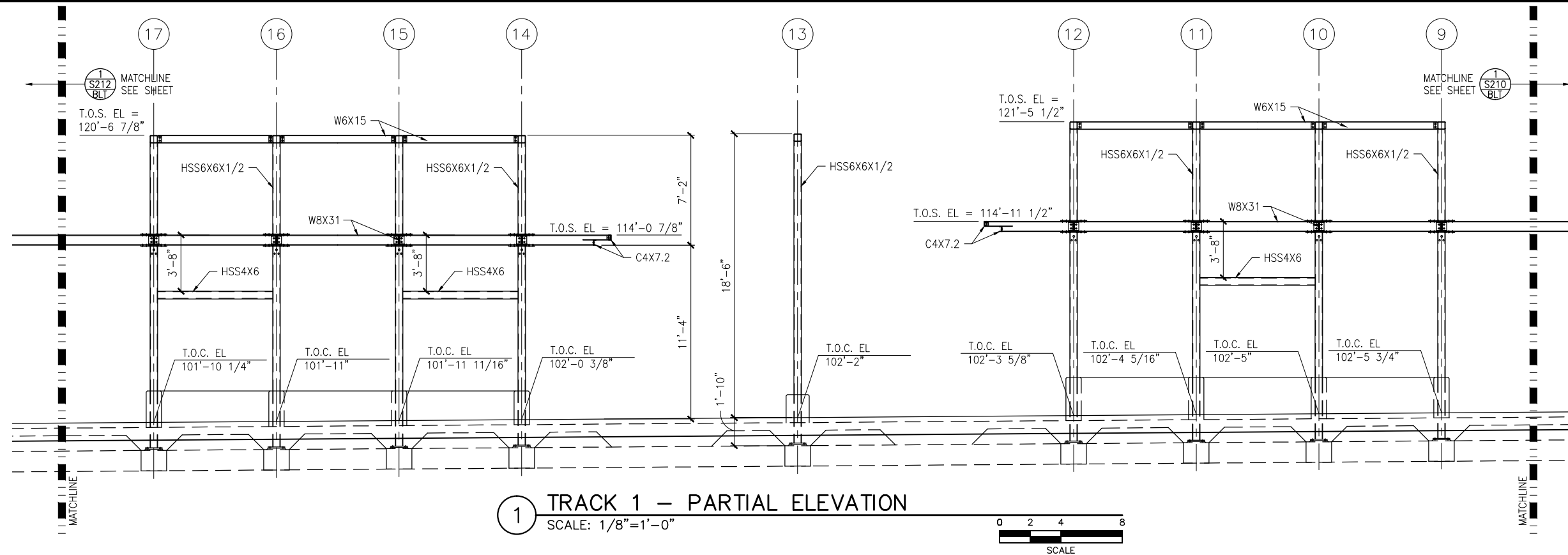
DISCIPLINE:  
**STRUCTURES**

SHEET NAME:  
**E2-BLT-STR-ELV-210**

**SHEET  
195  
OF  
319**



Sep. 21 2015 09:16 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Beltline\CAD\STR\E2-BLT-STR-ELV-211.dwg By: pepins



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL




60% SUBMISSION - 9/28/15

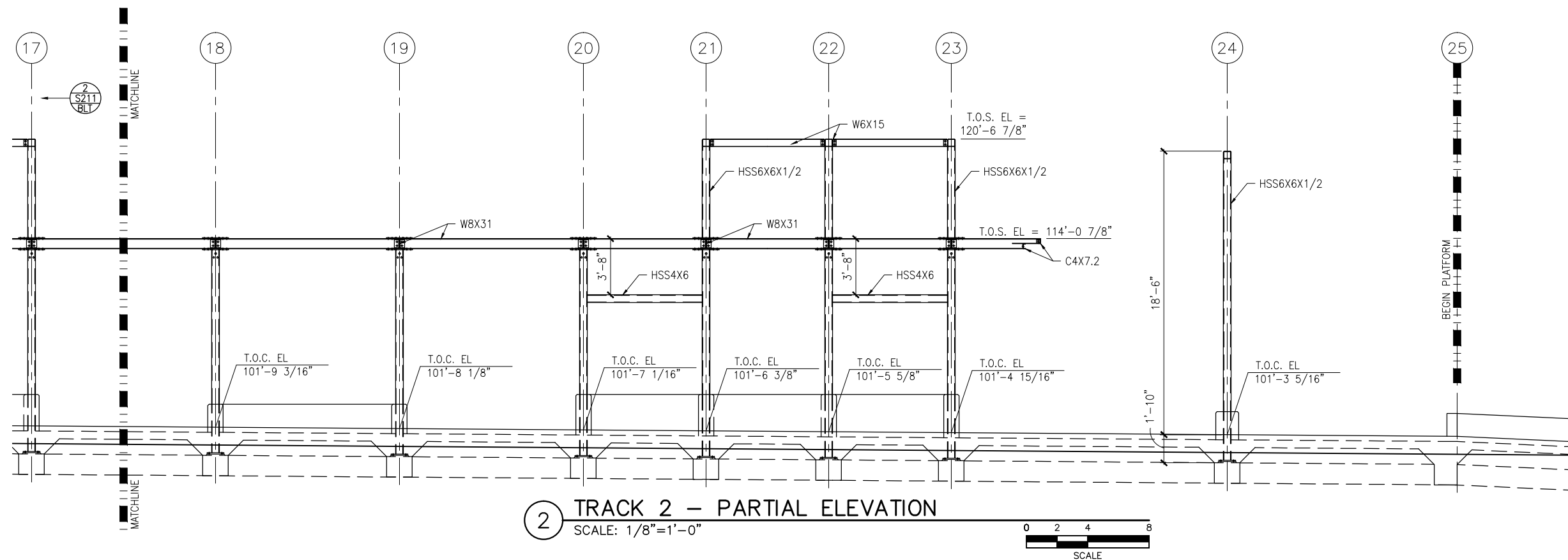
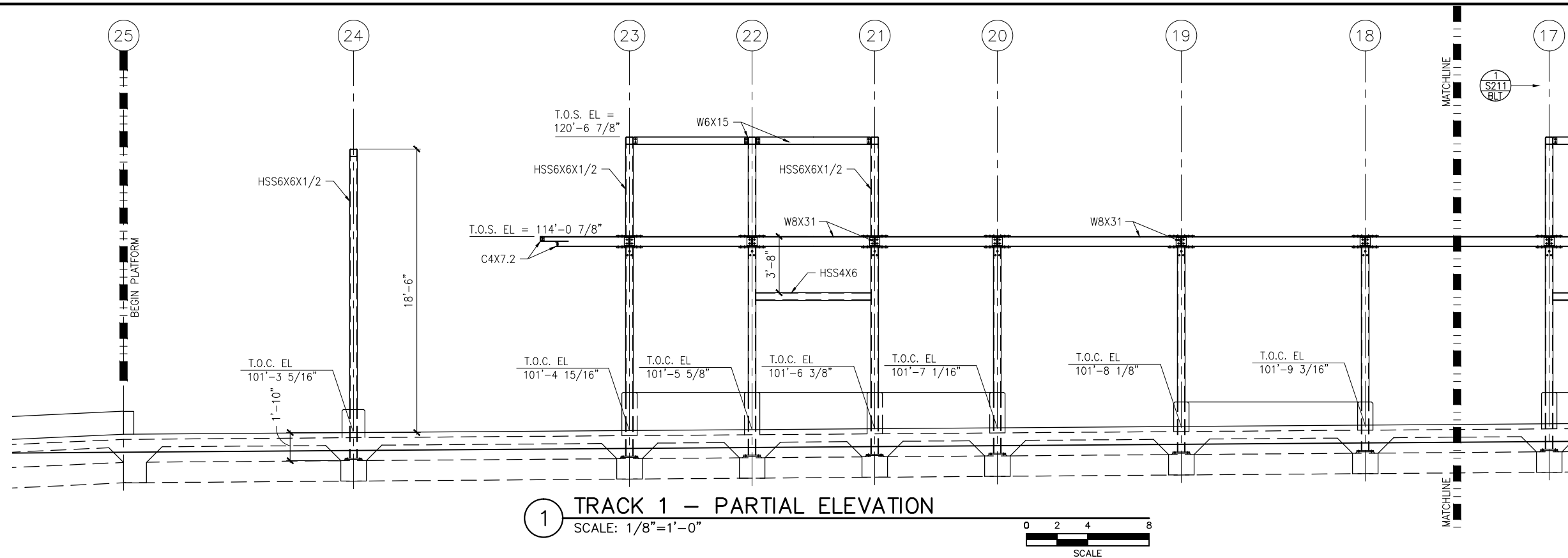


CIVIL EAST - VOLUME 11A  
BELTLINE STATION  
MIDDLE PARTIAL ELEVATIONS -- FRAMING

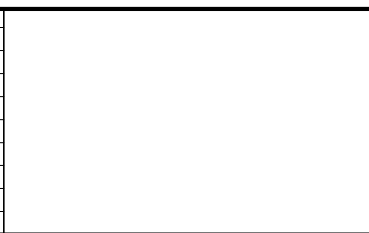
DISCIPLINE: STRUCTURES  
SHEET NAME: E2-BLT-STR-ELV-211



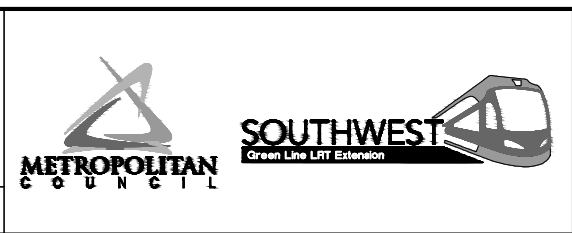
Sep. 21 2015 09:17 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Beltline\CAD\STR\E2-BLT-STR-ELV-212.dwg By: pepins



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15



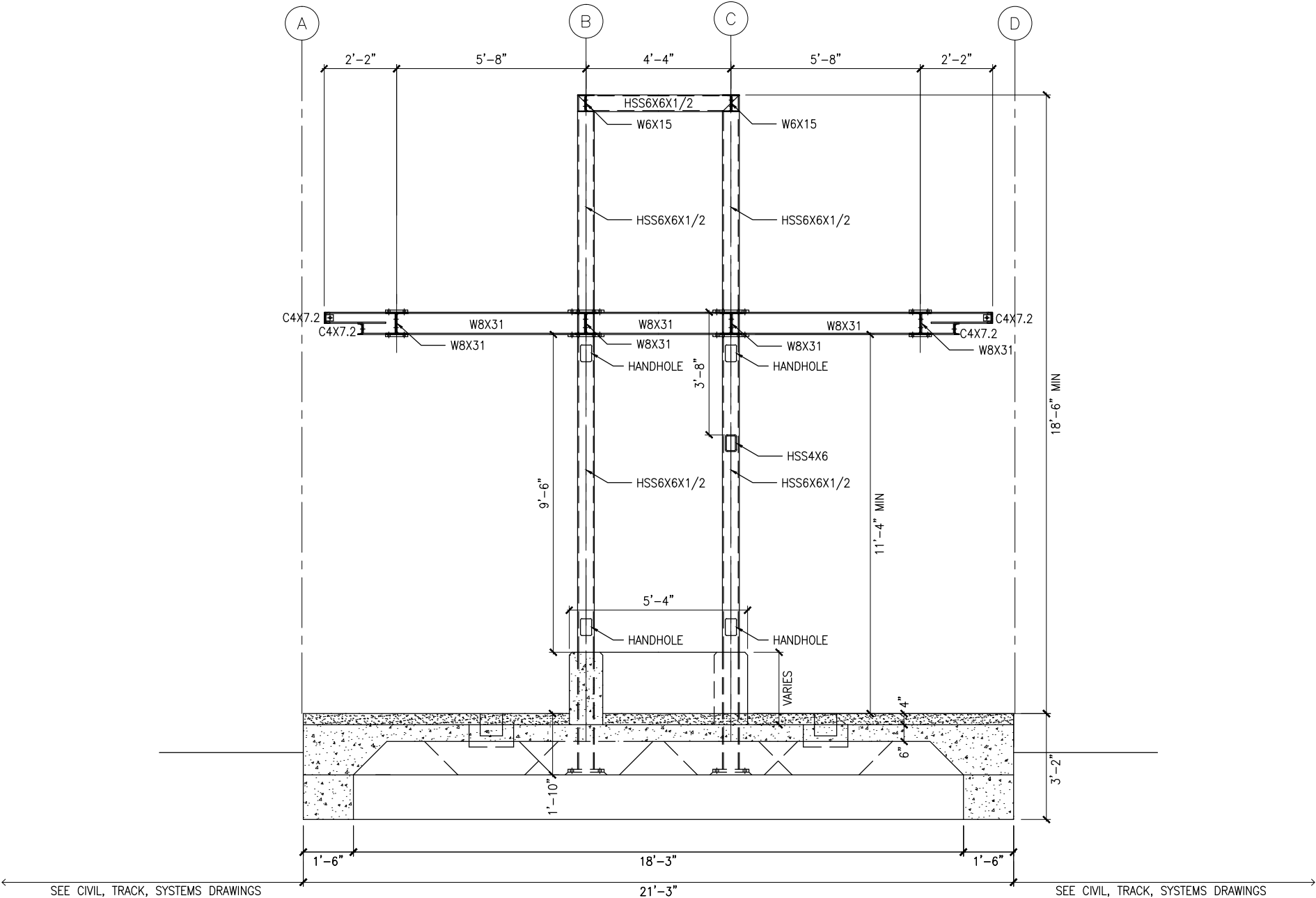
CIVIL EAST - VOLUME 11A  
BELTLINE STATION  
EAST PARTIAL ELEVATIONS -- FRAMING

DISCIPLINE: STRUCTURES  
SHEET NAME: E2-BLT-STR-ELV-212

SHEET  
197  
OF  
319



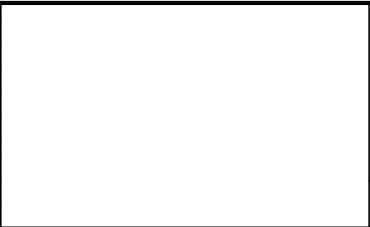
Sep. 21 2015 09:17 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\Beltnine\CAD\STR\E2-BLT-STR-SCT-300.dwg By: pepins



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15



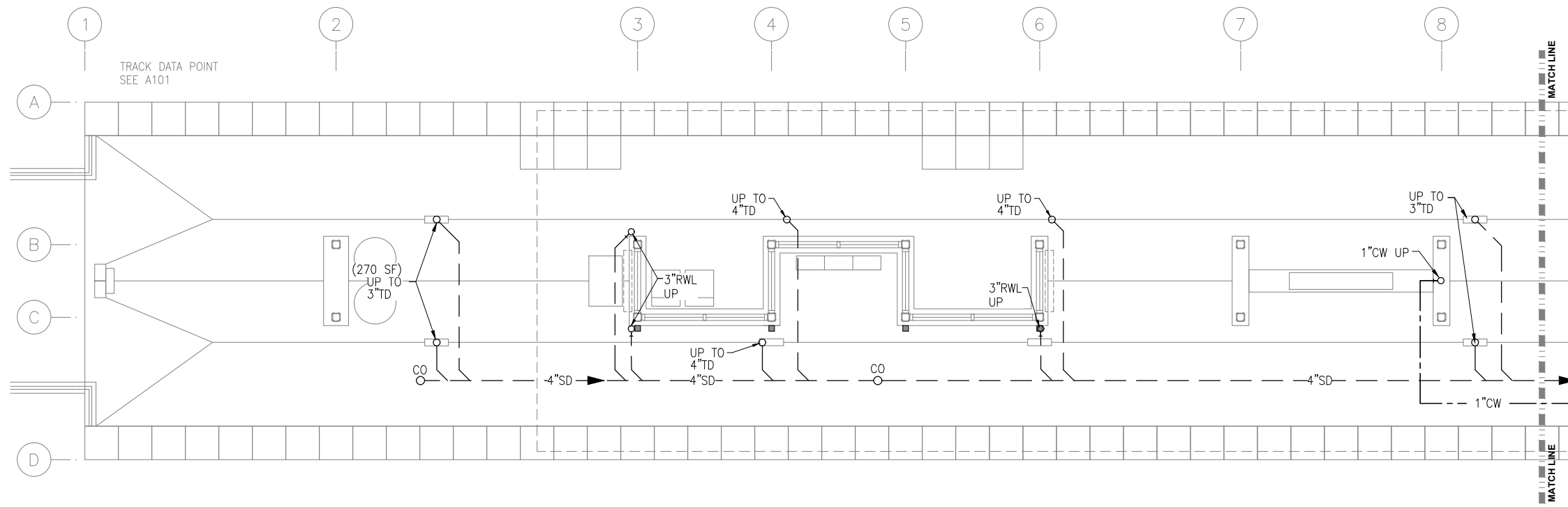
CIVIL EAST - VOLUME 11A  
BELTLINE STATION  
TYPICAL PLATFORM SECTION

DISCIPLINE: STRUCTURES  
SHEET NAME: E2-BLT-STR-SCT-300

SHEET  
198  
OF  
319



Sep. 21 2015 01:43 pm Z:\Projects\AECOM\SWLRT\_west\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\BELTLINE STATION\E2-BLT-PLM-PLN-100.dwg By: craig



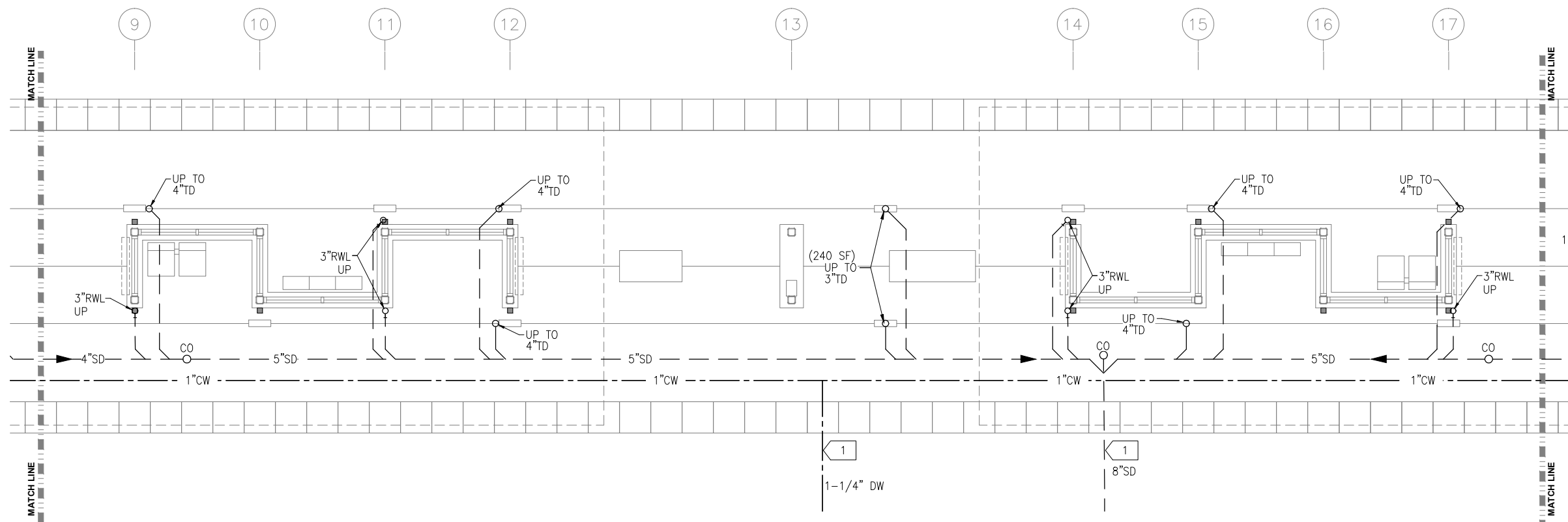
1 UNDERFLOOR PLUMBING PLAN  
1/4"=1'-0"

PLUMBING GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
- MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
- REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS AND LAYOUT.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR STORM DOWNSPOUT MATERIAL.

PLUMBING KEY NOTES:

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



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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**ENGINEERING • LLC**  
CERTIFIED WOMEN'S  
BUSINESS ENTERPRISE



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A  
BELTLINE STATION  
WEST AND MIDDLE PARTIAL  
UNDERFLOOR PLUMBING PLAN**

DISCIPLINE:  
**PLUMBING**

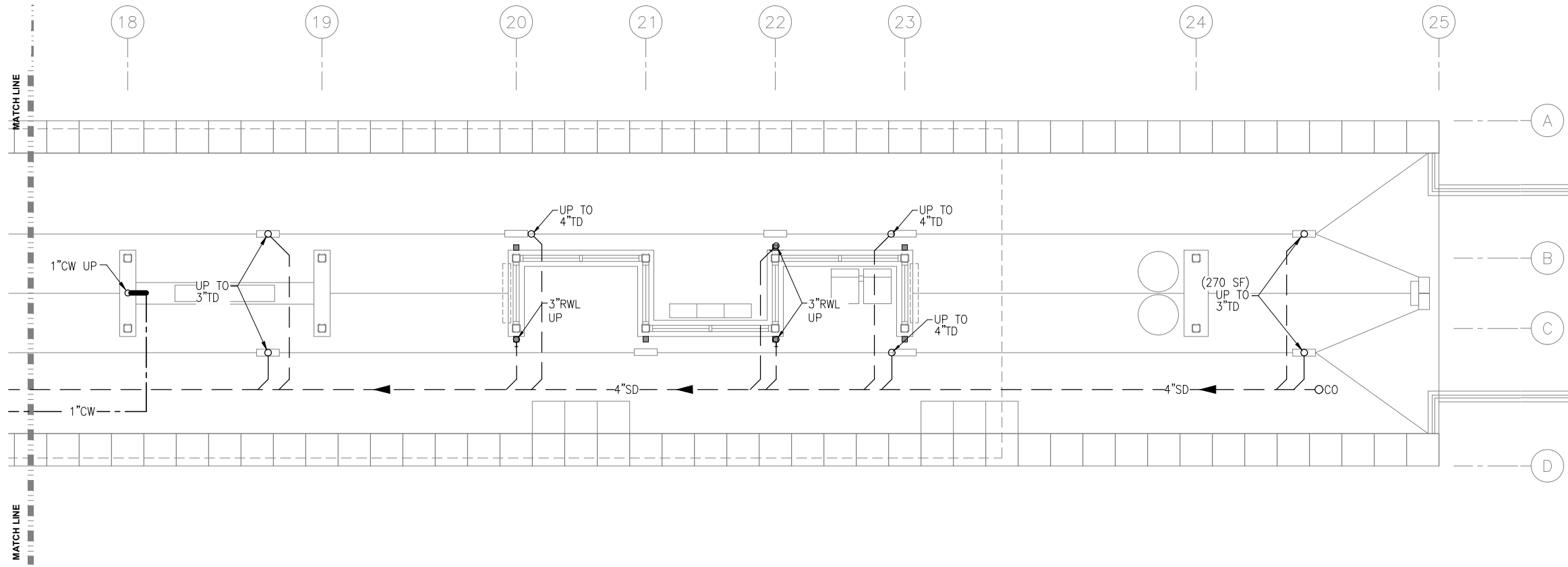
SHEET NAME:  
**E2-BLT-PLM-PLN-100**

**SHEET**  
**199**  
**OF**  
**319**

**60% SUBMISSION - 09/28/15**



Sep. 21 2015 01:43 pm Z:\Projects\AECOM\SWLRT west\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\BELTLINE STATION\E2-BLT-PLM-PLN-101.dwg By: craig



- PLUMBING GENERAL NOTES
- A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES 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.

- PLUMBING KEY NOTES:
- 1 EXTEND WATER AND STORM OUTSIDE GUIDEWAY. CONNECTION BY OUTDOOR UTILITY CONTRACTOR.

1 UNDERFLOOR PLUMBING PLAN  
1/4"=1'-0"

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

ENGINEERING • LLC  
CERTIFIED WOMEN'S  
BUSINESS ENTERPRISE



SOUTHWEST  
Green Line LRT Extension



CIVIL EAST - VOLUME 11A  
BELTLINE STATION  
EAST PARTIAL UNDERFLOOR  
PLUMBING PLAN

DISCIPLINE:  
PLUMBING

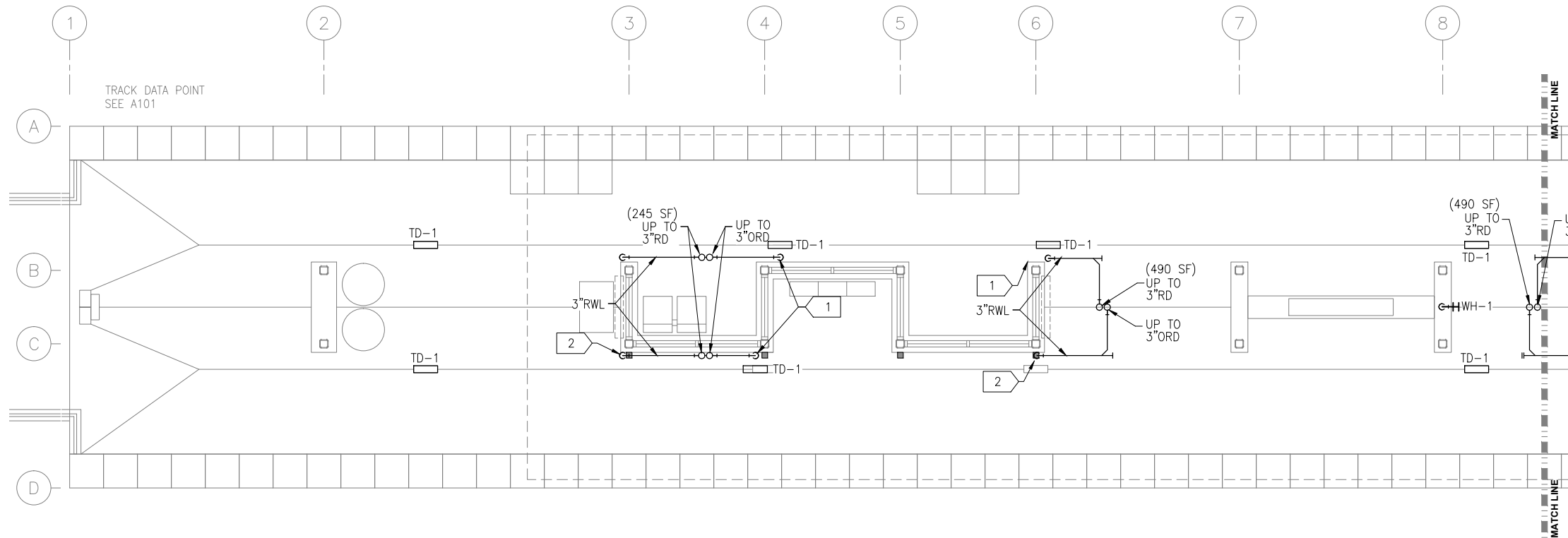
SHEET NAME:  
E2-BLT-PLM-PLN-101

SHEET  
200  
OF  
319

60% SUBMISSION - 09/28/15



Sep. 21 2015 01:42 pm Z:\Projects\AECOM\SWLRT west\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\BELTLINE STATION\E2-BLT-PLM-PLN-110.dwg By: craig



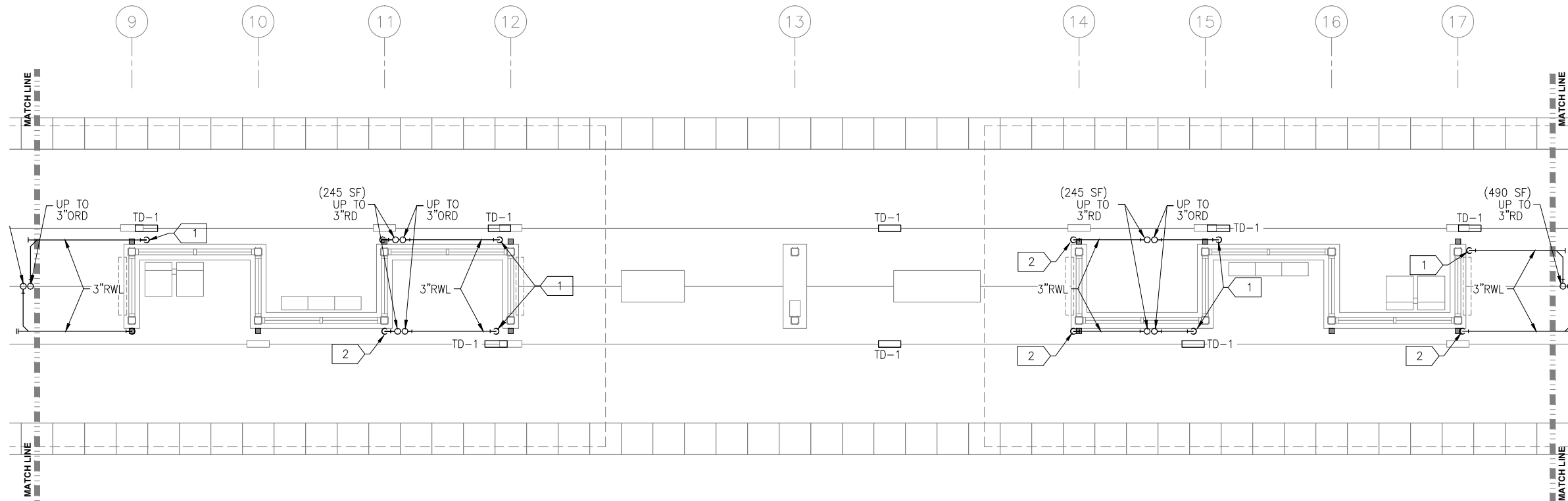
1 PLUMBING PLAN  
1/4"=1'-0"

PLUMBING GENERAL NOTES

- A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES 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.

PLUMBING KEY NOTES

- 1 3x3 RWL DOWN TO DAYLIGHT ABOVE TD-1. SEE ARCHITECTURAL DOCUMENTS FOR RAIN WATER LEADER MATERIAL AND SHAPE.
- 2 3x3 RWL DOWN TO JOSAM. CONNECTION TO 3" UNDERFLOOR STORM DRAIN.



2 PLUMBING PLAN  
1/4"=1'-0"

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**ENGINEERING • LLC**  
CERTIFIED WOMEN'S  
BUSINESS ENTERPRISE



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A  
BELTLINE STATION  
WEST AND MIDDLE PARTIAL  
PLUMBING PLAN**

DISCIPLINE:  
**PLUMBING**

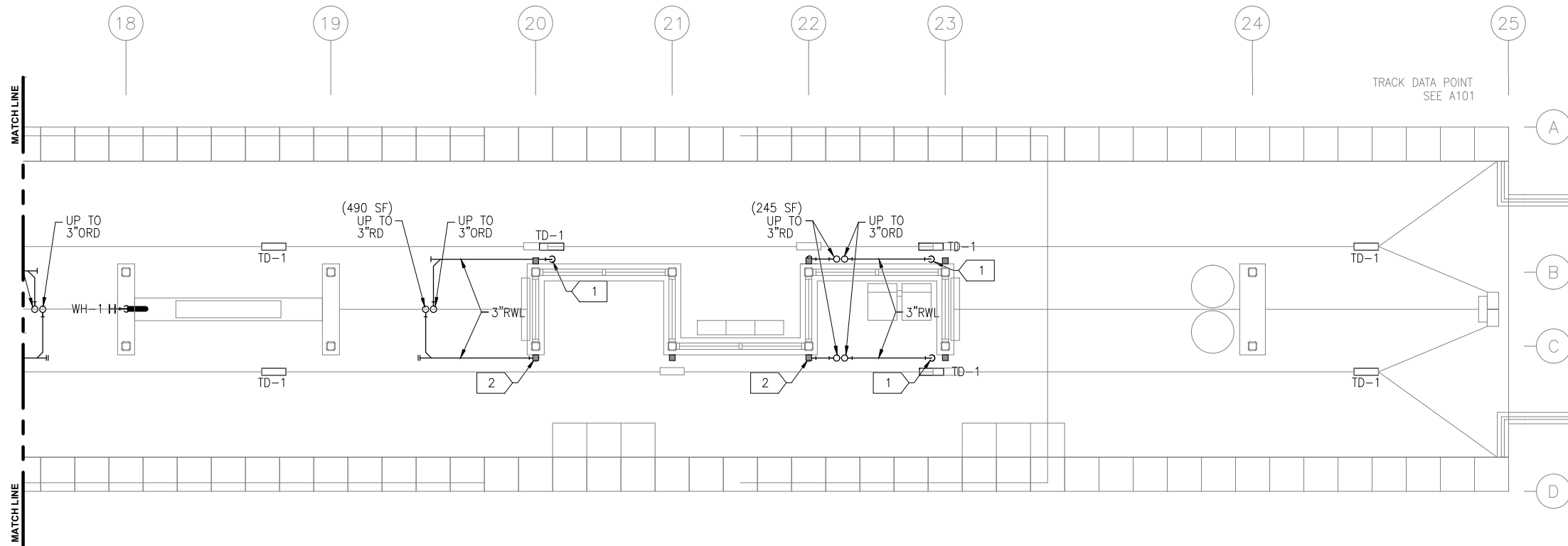
SHEET NAME:  
**E2-BLT-PLM-PLN-110**

**SHEET**  
**201**  
**OF**  
**319**

**60% SUBMISSION - 09/28/15**



Sep. 21 2015 01:42 pm Z:\Projects\AECOM\SWLRT west\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\MECHANICAL\BELTLINE STATION\E2-BLT-PLM-PLN-111.dwg By: craig



PLUMBING GENERAL NOTES

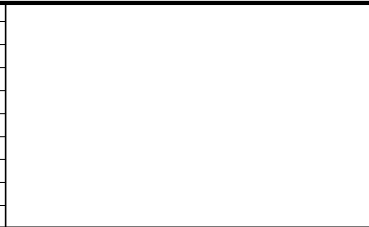
- A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
- C. MAINTAIN CODE 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.

PLUMBING KEY NOTES

- 1 3x3 RWL DOWN TO DAYLIGHT ABOVE TD-1. SEE ARCHITECTURAL DOCUMENTS FOR RAIN WATER LEADER MATERIAL AND SHAPE.
- 2 3x3 RWL DOWN TO JOSAM. CONNECTION TO 3" UNDERFLOOR STORM DRAIN.

1 PLUMBING PLAN  
1/4"=1'-0"

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





60% SUBMISSION - 09/28/15



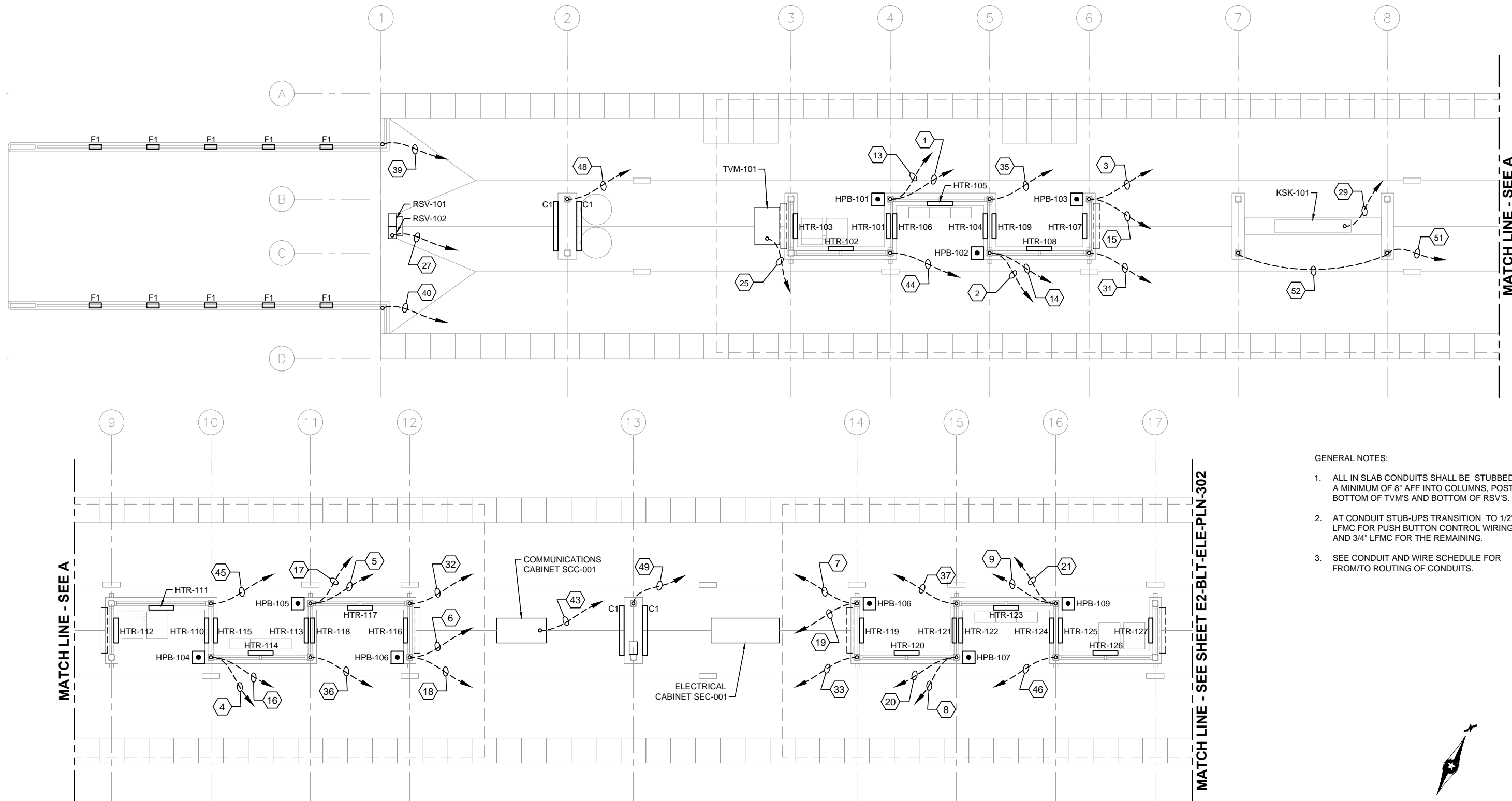
CIVIL EAST - VOLUME 11A  
BELTLINE STATION  
EAST PARTIAL PLUMBING PLAN  
AND RISER DIAGRAMS

DISCIPLINE: PLUMBING

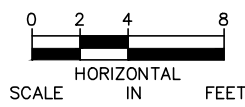
SHEET NAME:  
E2-BLT-PLM-PLN-111



Sep. 25 2015 11:57 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-BLT-ELE-PLN-301.dwg By: V-Bege@LB



- 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.



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

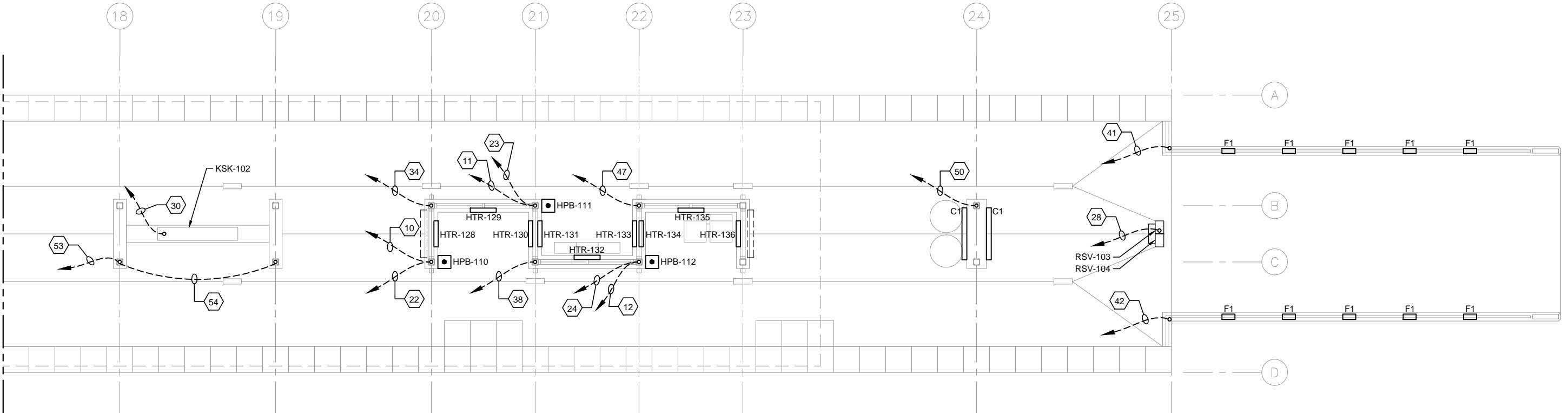
NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

  CONSULTING ENGINEERING MINNEAPOLIS • MINNESOTA	 SOUTHWEST Green Line LRT Extension	CIVIL EAST - VOLUME 11A BELTLINE STATION ELECTRICAL UNDERSLAB CONDUIT PLAN (1 OF 2)		SHEET 203 OF 319
		DISCIPLINE: ELECTRICAL	SHEET NAME: E2-BLT-ELE-PLN-301	
60% SUBMISSION - 09/28/15				



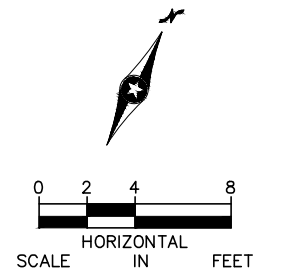
Sep. 25 2015 11:03 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-BLT-ELE-PLN-302.dwg By: V-Bege.B

MATCH LINE - SEE SHEET E2-BLT-ELE-PLN-301



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.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15

**METROPOLITAN**  
COUNCIL

**SOUTHWEST**  
Green Line LRT Extension

**CIVIL EAST - VOLUME 11A  
BELTLINE STATION  
ELECTRICAL  
UNDERSLAB CONDUIT PLAN (2 OF 2)**

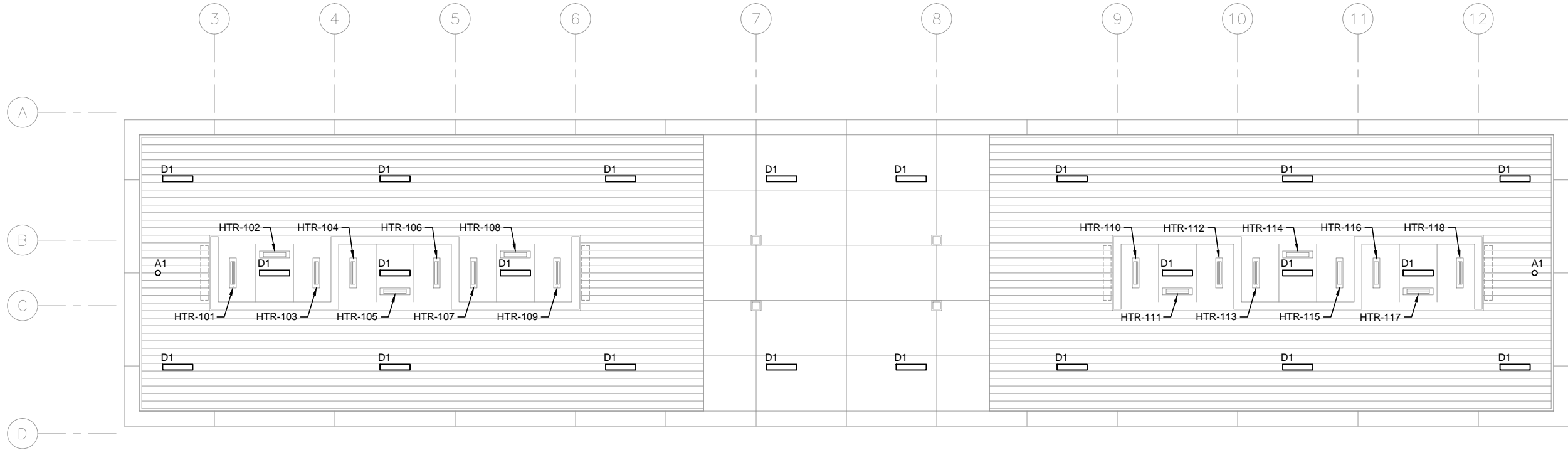
DISCIPLINE: **ELECTRICAL**

SHEET NAME: **E2-BLT-ELE-PLN-302**

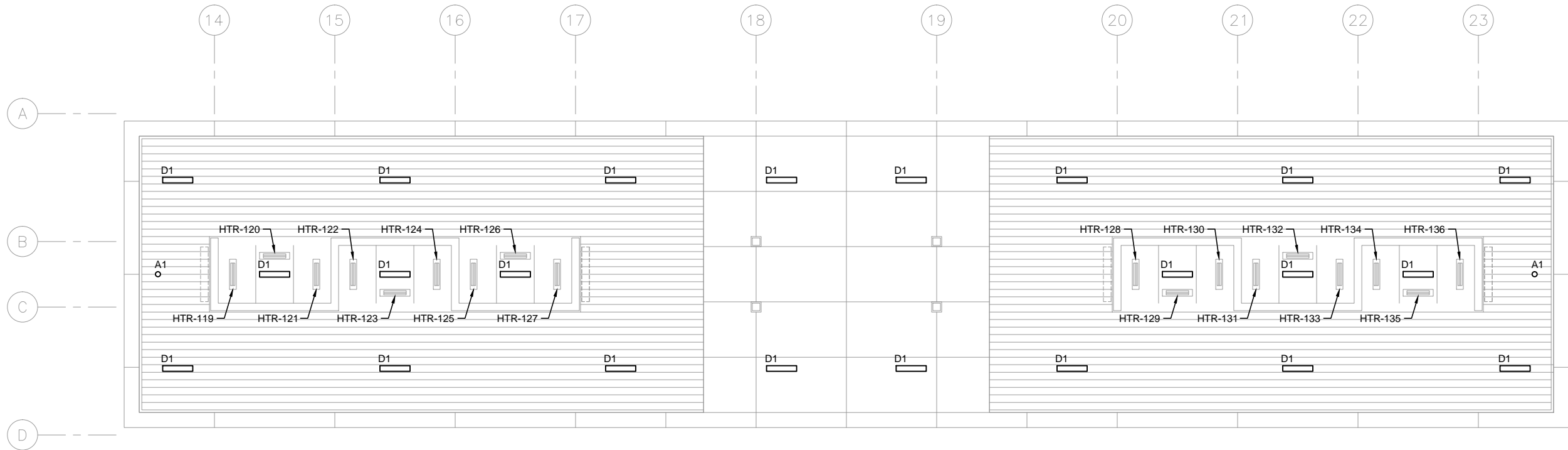
SHEET  
204  
OF  
319



Sep. 25 2015 09:22 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-BLT-ELE-PLN-303.dwg By: FergTK



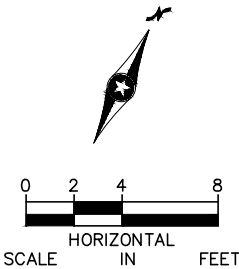
1 CANOPY PLAN - WEST  
SCALE: 1/8"=1'-0"



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

GENERAL NOTES:

1. PROVIDE HEAT TRACE IN GUTTERS, DOWN SPOUTS AND RAIN CONDUCTORS.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
BELTLINE STATION  
ELECTRICAL  
CANOPY PLAN

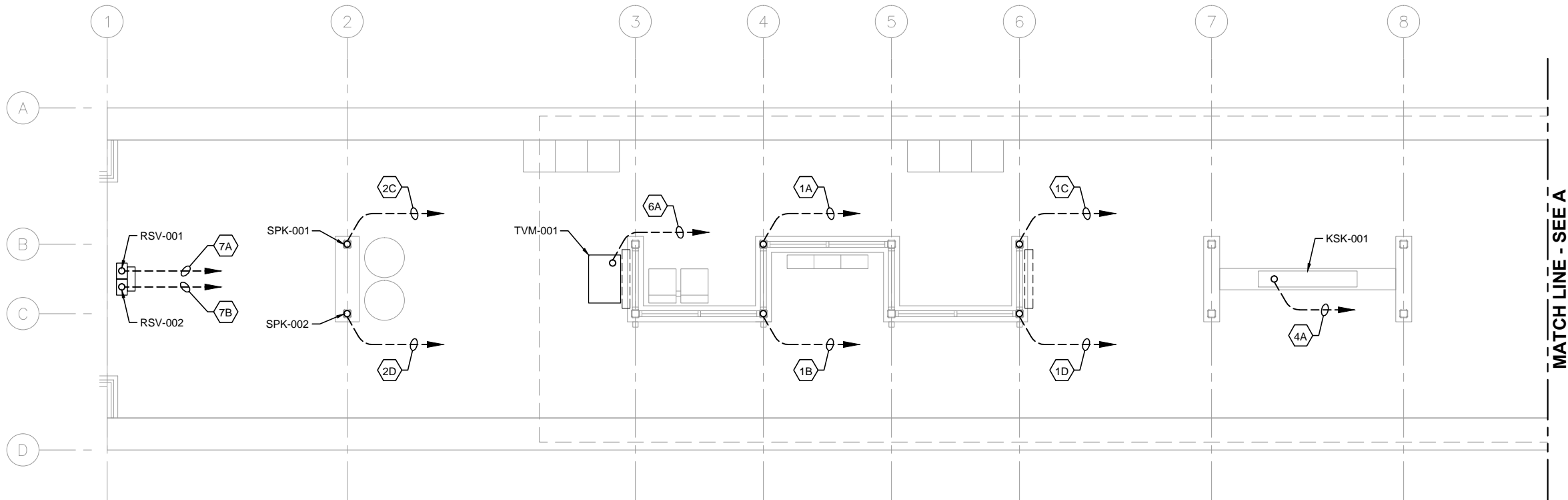
DISCIPLINE:  
ELECTRICAL

SHEET NAME:  
E2-BLT-ELE-PLN-303

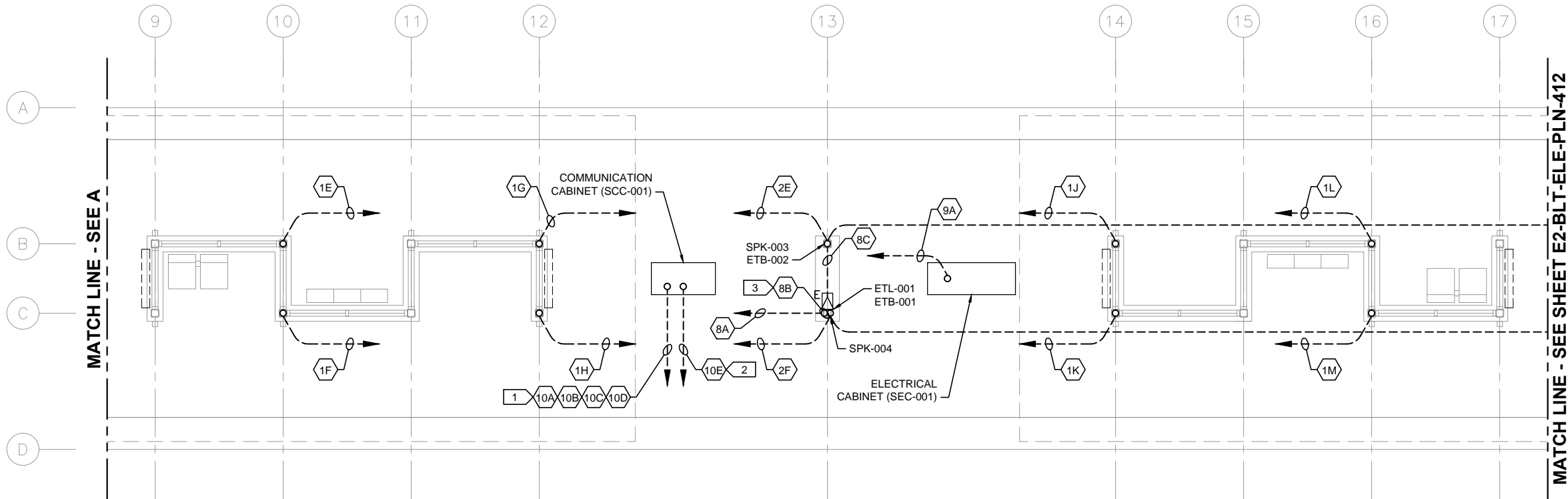
SHEET  
205  
OF  
319



Sep. 25 2015 09:22 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-BLT-ELE-PLN-411.dwg By: FergTK



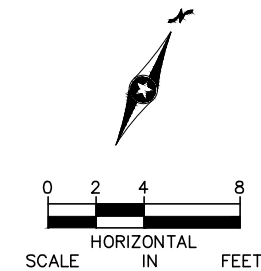
1 PLATFORM PLAN - WEST  
SCALE: 1/8"=1'-0"



1 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 CANOPY COMMUNICATIONS PLAN.

- KEYNOTES:
1. COMMUNICATIONS CONDUITS TO/FROM STATION SIGNAL-COMMUNICATIONS HOUSE.
  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.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
BELTLINE STATION  
COMMUNICATIONS  
UNDERSLAB CONDUIT PLAN (1 OF 2)

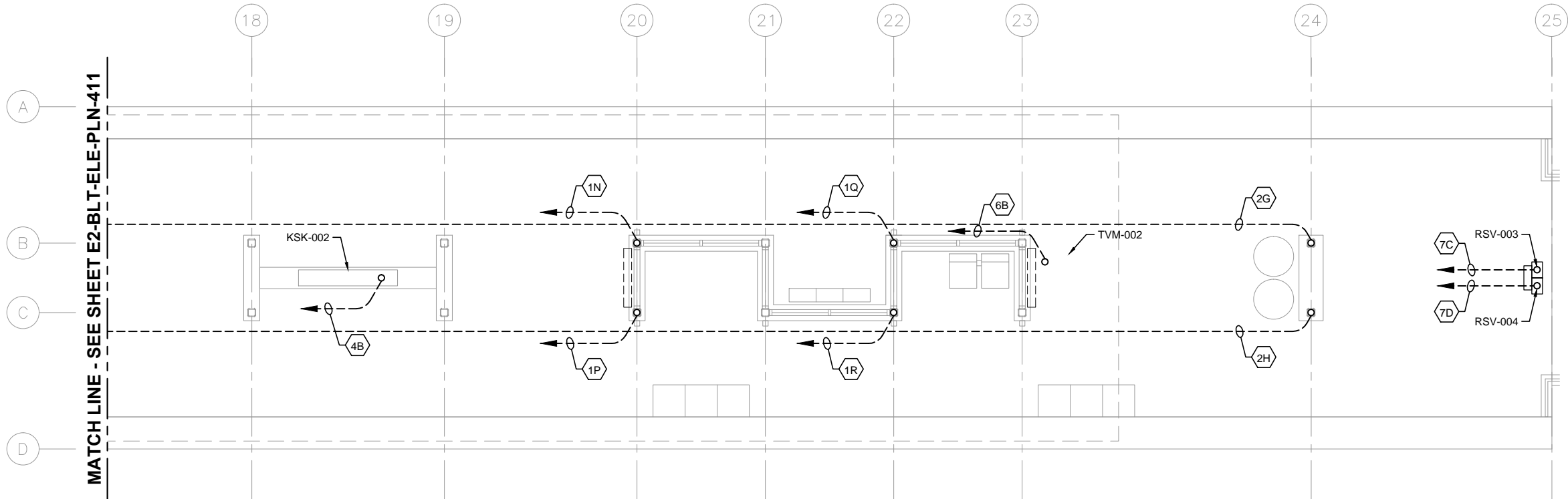
DISCIPLINE:  
ELECTRICAL

SHEET NAME:  
E2-BLT-ELE-PLN-411

SHEET  
206  
OF  
319



Sep. 25 2015 09:23 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-BLT-ELE-PLN-412.dwg By: FergTK

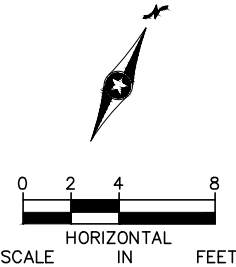


- GENERAL NOTES:
1. DASHED LINES WITH AN ARROWHEAD DENOTE HOMERUN TO SCC-001, UNLESS OTHERWISE NOTED.
  2. FOR CONDUITS AND DEVICES MOUNTED TO CANOPY, SEE CANOPY COMMUNICATIONS PLAN.

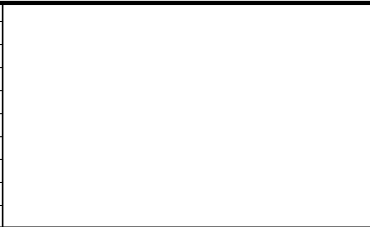
KEYNOTES:

1.

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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



**AECOM**

**MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15

**METROPOLITAN**  
C O U N C I L

**SOUTHWEST**  
Green Line LRT Extension

**CIVIL EAST - VOLUME 11A**  
**BELTLINE STATION**  
**COMMUNICATIONS**  
**UNDERSLAB CONDUIT PLAN (2 OF 2)**

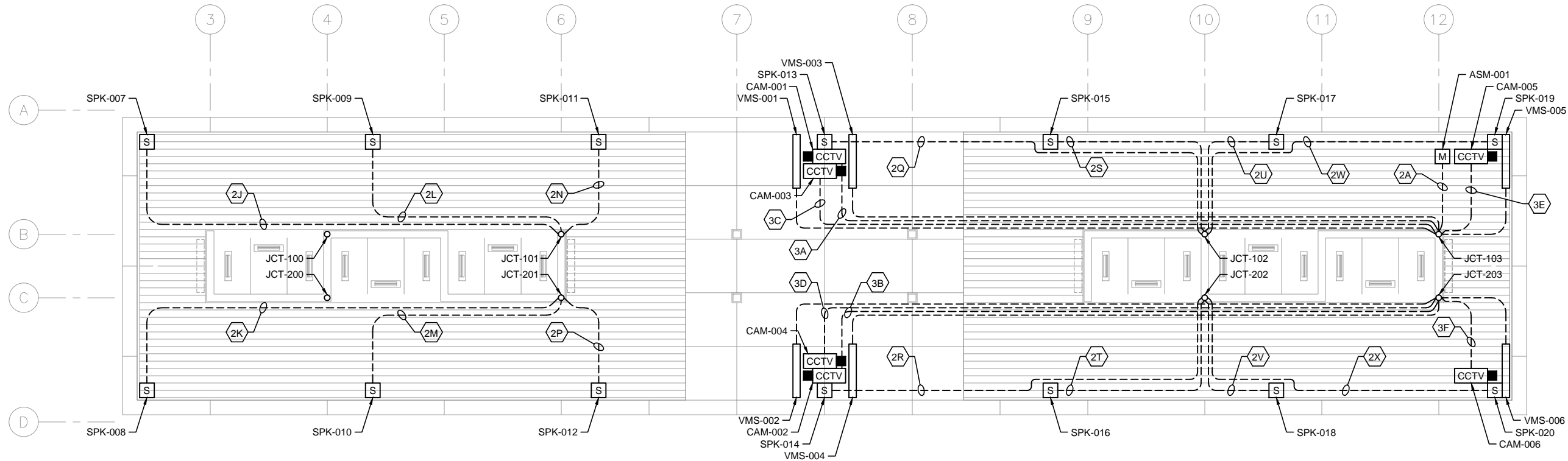
DISCIPLINE: **ELECTRICAL**

SHEET NAME: **E2-BLT-ELE-PLN-412**

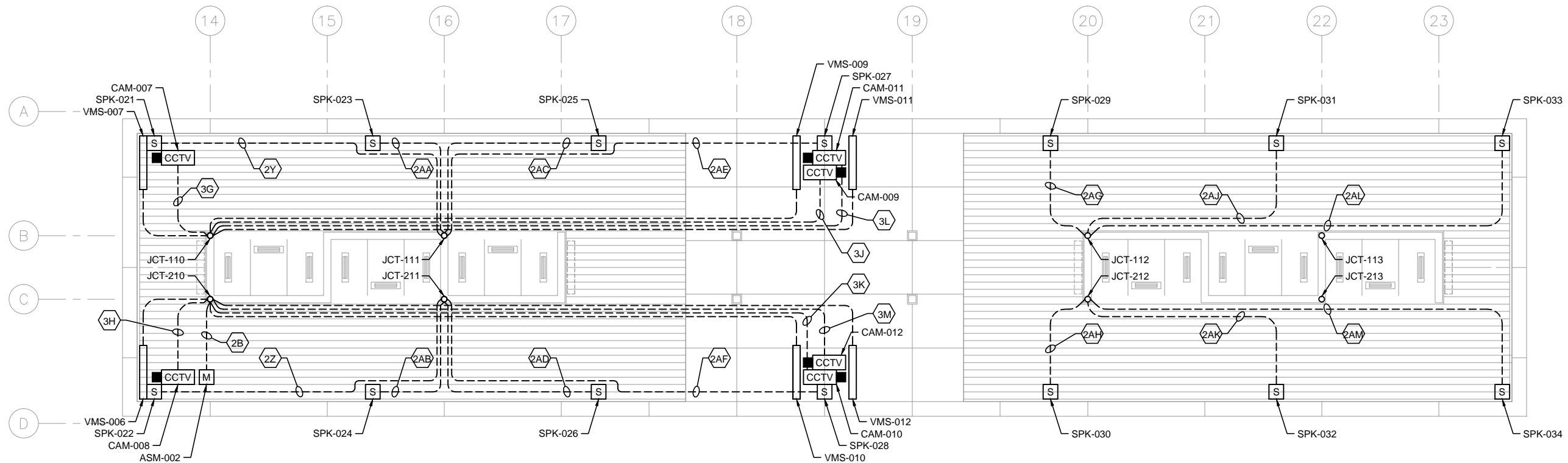
**SHEET**  
**207**  
**OF**  
**319**



Sep. 25 2015 09:23 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-BLT-ELE-PLN-421.dwg By: FergTK



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



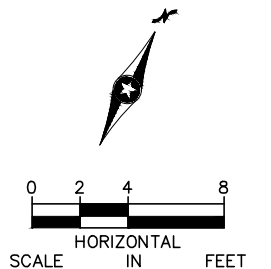
2 CANOPY PLAN - EAST  
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1.

KEYNOTES:

1.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
BELTLINE STATION  
COMMUNICATIONS  
CANOPY PLAN

DISCIPLINE:  
ELECTRICAL

SHEET NAME:  
E2-BLT-ELE-PLN-421

SHEET  
208  
OF  
319



Sep. 25 2015 09:23 am V:\3400\_ADC\CAD\SEGMENT E2\PLAN SHEETS\ELECTRICAL\E2-BLT-ELE-SCH-461.dwg By: FergTK

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 -SCC-001	BLT -SPK-005	1-1/2"
2H	BLT -CON-0208	SPEAKER 6 - POLE	BLT -SCC-001	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"

1

COMMUNICATIONS CONDUIT SCHEDULE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL	<div><div><div>AECOM</div><div>MP Consultants</div><div>CONSULTING ENGINEERING MINNEAPOLIS • MINNESOTA</div></div><div>60% SUBMISSION - 09/28/15</div></div>	<div><div><div>METROPOLITAN COUNCIL</div><div>SOUTHWEST Green Line LRT Extension</div><div></div></div></div>	CIVIL EAST - VOLUME 11A BELTLINE STATION COMMUNICATIONS CONDUIT SCHEDULE (1 OF 2)	SHEET 209 OF 319
								DISCIPLINE: ELECTRICAL	SHEET NAME: E2-BLT-ELE-SCH-461



[illegible]

# CIVIL EAST - VOLUME 11A

## BELTLINE STATION

### COMMUNICATIONS

#### CONDUIT SCHEDULE (2 OF 2)

DISCIPLINE: <b>ELECTRICAL</b>	SHEET NAME: <b>E2-BLT-ELE-SCH-462</b>
----------------------------------	--



CODE SUMMARY - CENTER PLATFORM  
WEST LAKE STATION

CODE REFERENCES

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

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)  
5420 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 = 5420 S.F. / 15 S.F./OCC = 361  
REQUIRED EGRESS WIDTH = 361 X 0.2 = 72" (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.

NFPA 130 EXITING SUMMARY

FURTHER ANALYSIS REQUIRED

PLATFORM COLOR AND  
FINISH SCHEDULE

SEE STATION SPECIFICATIONS FOR MATERIAL IDENTIFICATION

PLATFORM COLOR AND FINISH SCHEDULE

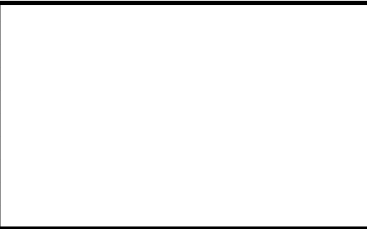
TYPE	STATION	STRUCTURAL STEEL PAINT COLOR	PLATFORM CONC COLOR	PLATFORM CONC FINISH	CONC WALL COLOR	CONC WALL FINISH	RAILING INFILL MATERIAL	ALUM WDW FRAME FINISH	EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA FINISH	ALUM COMP CANOPY SOFFIT AND FASCIA COLOR	TRANSLUCENT PLASTIC PANEL
CENTER	WEST LAKE STATION	PPG 123-7 TANGERINE DREAM	CEMSTONE SPLIT ROCK	TBD	CEMSTONE SPLIT ROCK	TBD	SS CABLE	CLEAR ANODIZED	HUNTER DOUGLAS WOODWRIGHT 8449 WINDJAMMER TEAK	ALUCOBOND CHERRY SMITH SILVER MICA COOL	3FORM KODA XT ORANGE O-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 123-7 TANGERINE DREAM	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 O-04

Sep, 25 2015 10:16 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-COD-010.dwg By: MurphySP

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





60% SUBMISSION - 09/28/15



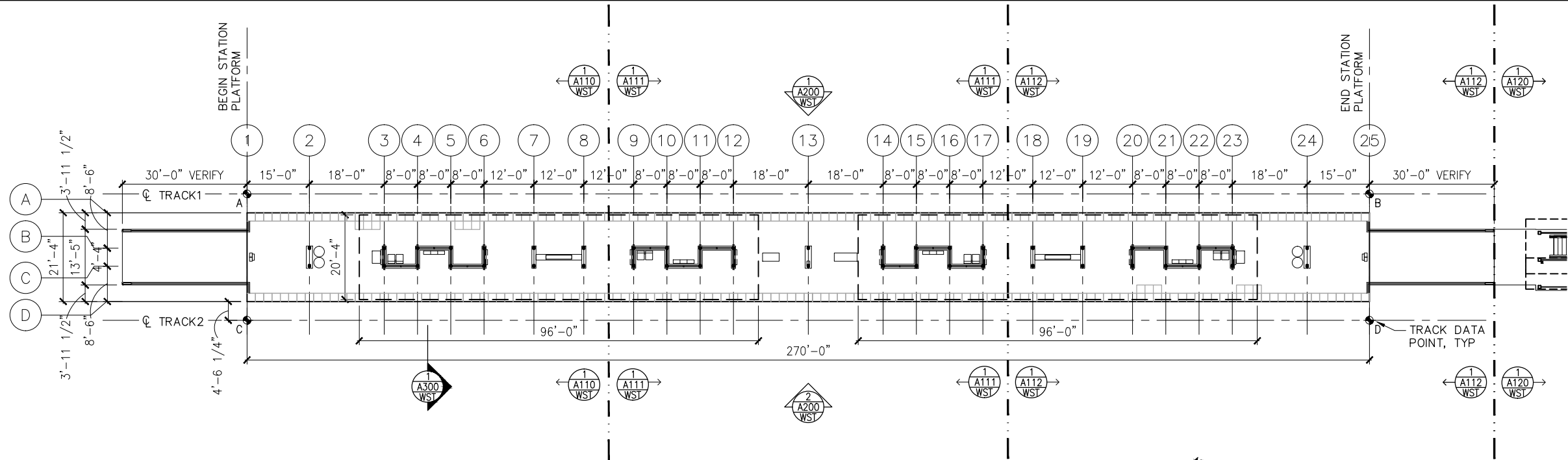
CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
CODE SUMMARY / FINISH SCHEDULE

DISCIPLINE: ARCHITECTURE

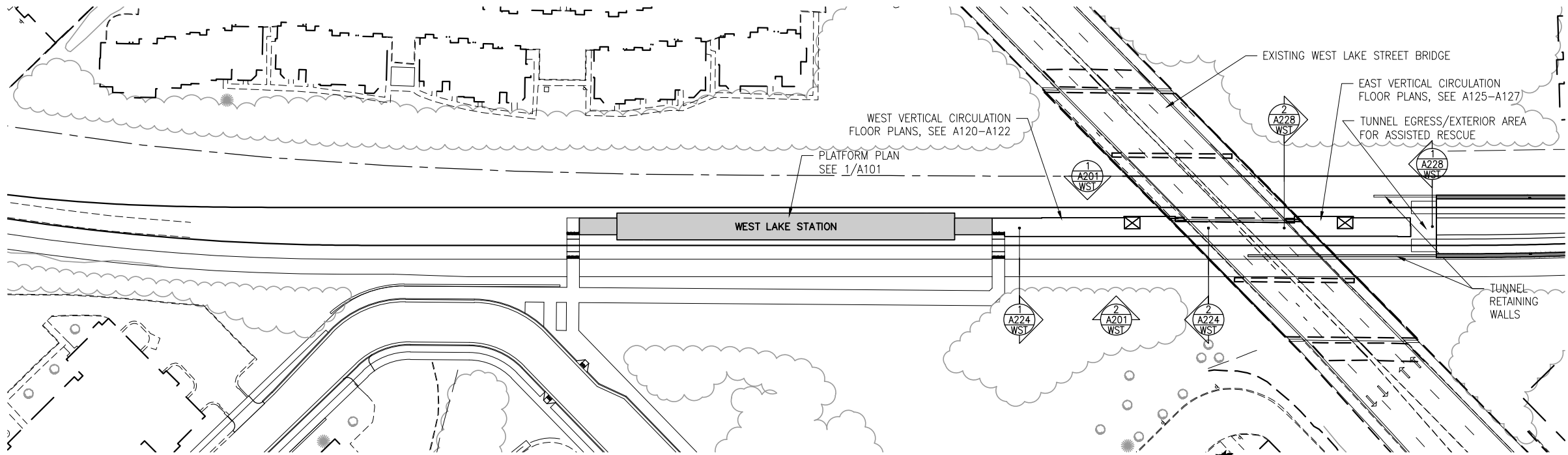
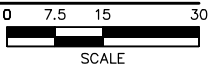
SHEET NAME: E3-WST-ARC-COD-010



Sep. 21 2015 12:22 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-101.dwg By: V-McCorrIP



1 PLATFORM PLAN  
SCALE: 1"=30'



2 STATION AREA PLAN  
SCALE: 1"=100'



TRACK DATA

ELEV 100'-0" (LOCATION ON PLAN)

TRACK 1 EL 100'-0"= xxx.xx (PT 'A')

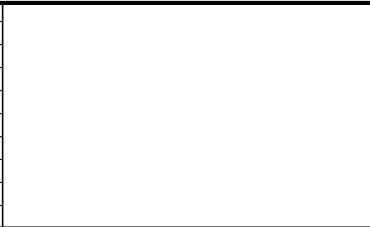
POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING
A	xxx.xx	xxxx+xx.xx
B	xxx.xx	xxxx+xx.xx

TRACK 2 EL 100'-0"= xxx.xx (PT 'C')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING
C	xxx.xx	xxxx+xx.xx
D	xxx.xx	xxxx+xx.xx

SECTION DIAGRAM AT PLATFORM EDGE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

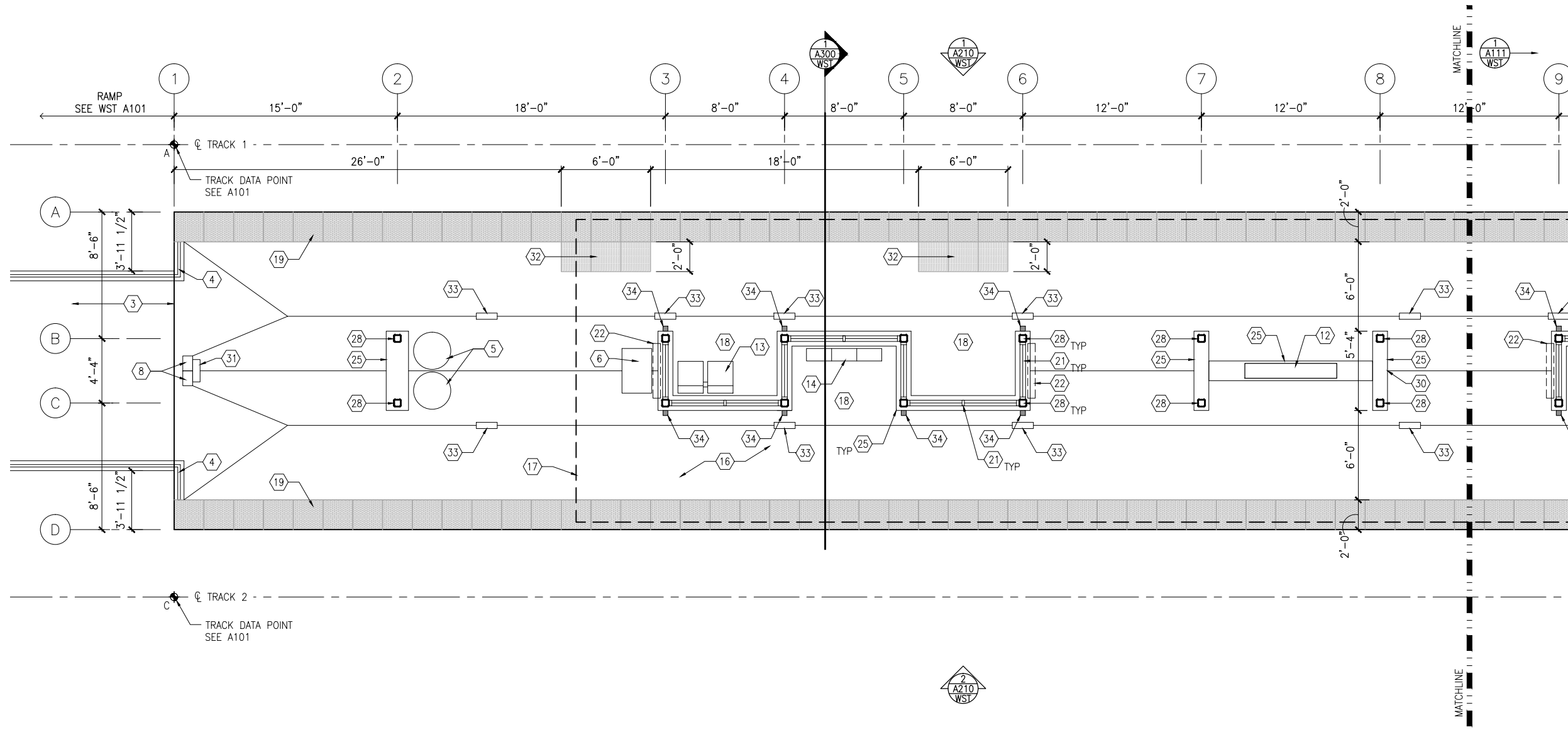
CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
PLATFORM PLAN

DISCIPLINE: ARCHITECTURE

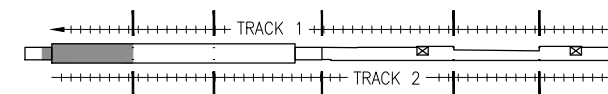
SHEET NAME: E3-WST-ARC-PLN-101



Sep. 21 2015 12:22 pm V:\3400\_ADC\CAD\CAD SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-110.dwg By: V-MccarrTP



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



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

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE (FINAL LOCATIONS ARE TBD)
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
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN
34. PRE-FINISHED METAL DOWNSPOUT

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**WEST PARTIAL PLATFORM PLAN**

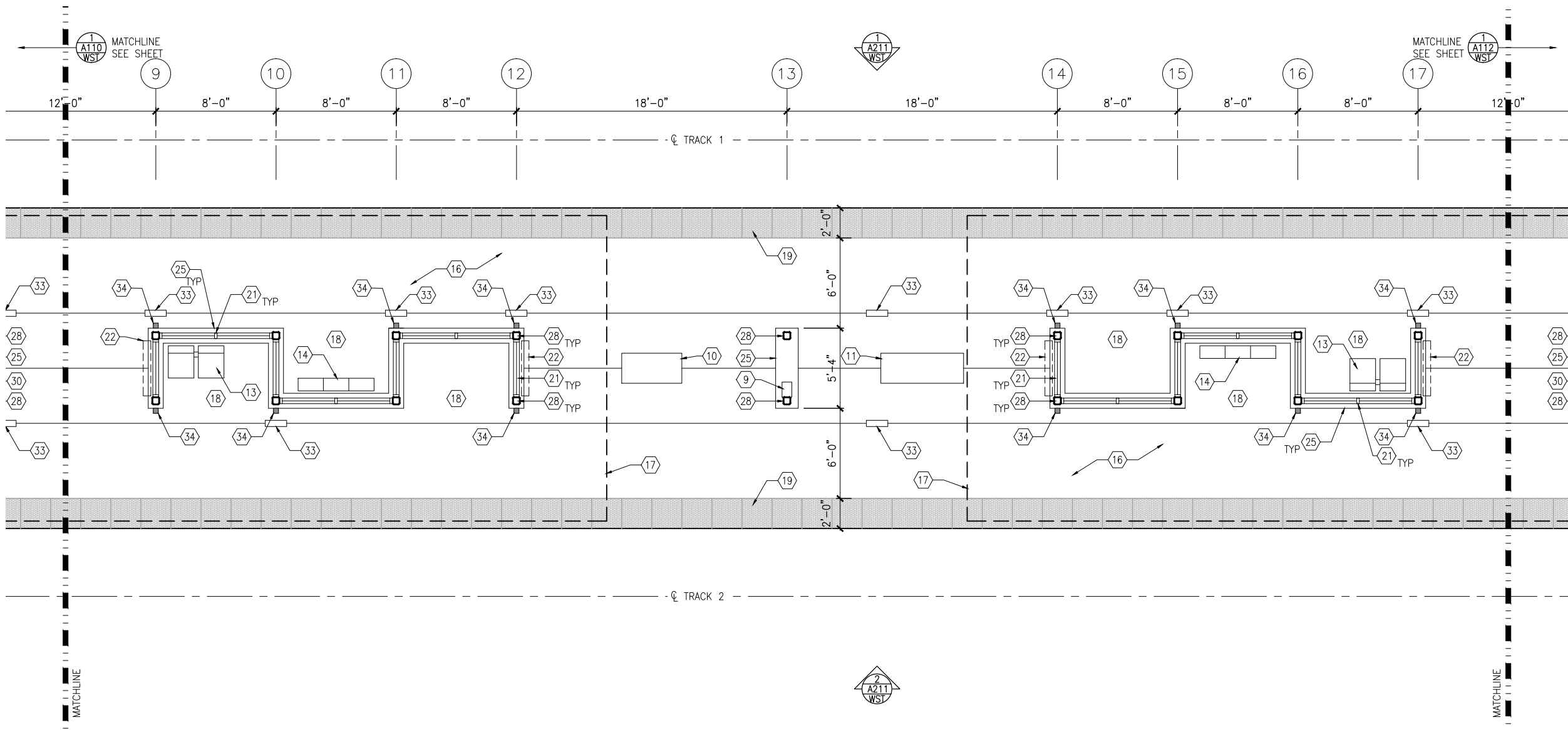
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-PLN-110**

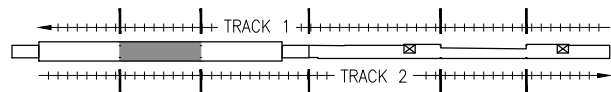
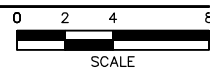
**SHEET**  
**213**  
**OF**  
**319**



Sep. 21 2015 12:22 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-111.dwg By: V-Mccarr-TP



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



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

## KEY NOTES - (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN ABOVE (FINAL LOCATIONS ARE TBD)
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
31. RIDER ALERT PANEL
32. ADA DOOR POSITION INDICATOR
33. AREA DRAIN
34. PRE-FINISHED METAL DOWNSPOUT

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**MIDDLE PARTIAL PLATFORM PLAN**

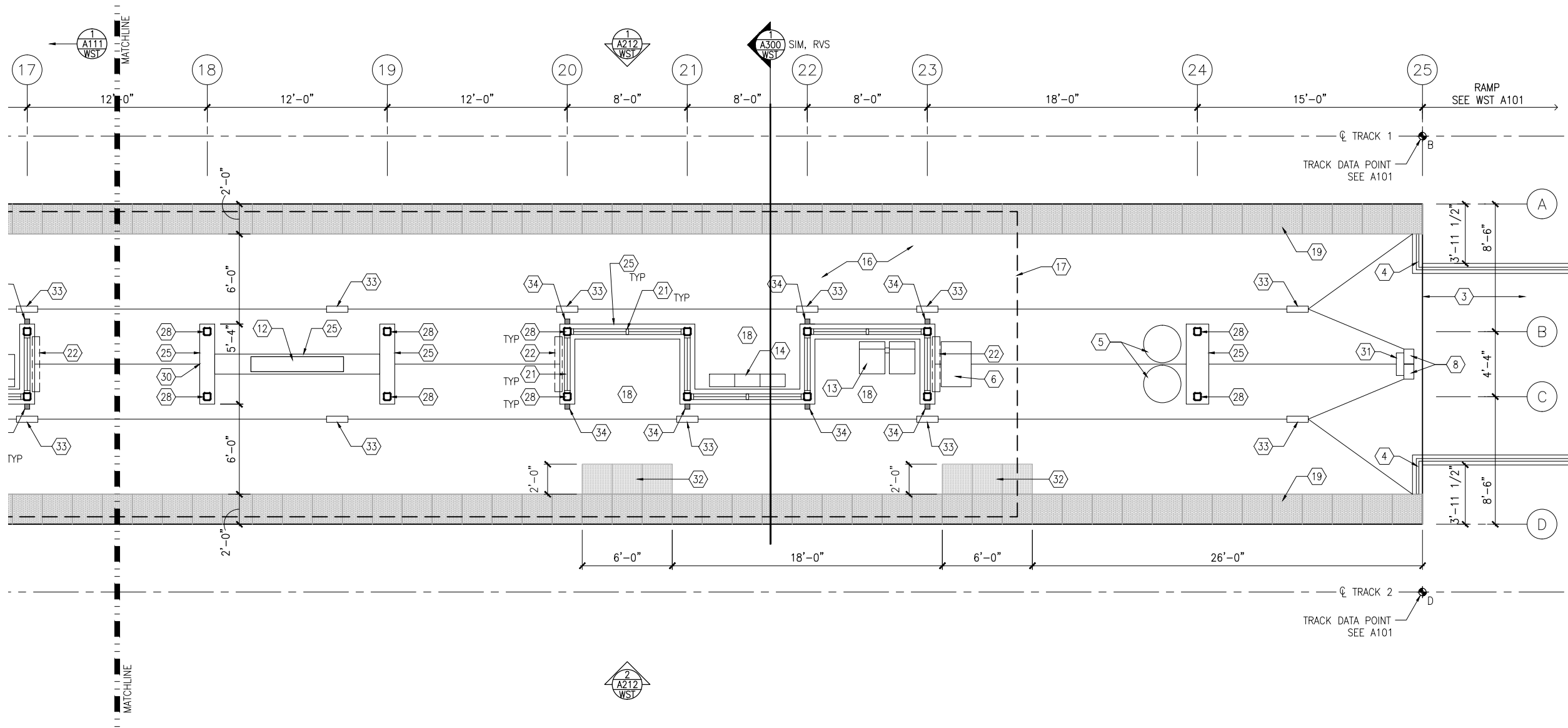
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-PLN-111**

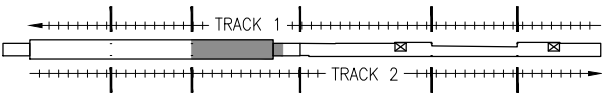
**SHEET**  
**214**  
**OF**  
**319**



Sep. 21 2015 12:23 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-112.dwg By: V-MccarrTP



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



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

### KEY NOTES - #

- NOTE: ALL KEYNOTES MAY NOT BE USED
1. ENTRY MARKER
  2. LIGHT MOUNTED TO STRUCTURE
  3. ACCESS RAMP
  4. HAND RAIL
  5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
  6. TICKET VENDING MACHINE
  7. FUTURE TICKET VENDING MACHINE
  8. STORED VALUE VALIDATOR
  9. EMERGENCY CALL BOX
  10. COMMUNICATION CABINET
  11. ELECTRICAL CABINET
  12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
  13. BENCH
  14. LEANING RAIL
  15. OVERHEAD CONTACT SYSTEM
  16. CONCRETE PLATFORM
  17. CANOPY ABOVE
  18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
  19. DETECTABLE WARNING AT BOARDING EDGE
  20. GUARD RAIL AND SAFETY SCREEN
  21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
  22. VARIABLE MESSAGE SIGN ABOVE (FINAL LOCATIONS ARE TBD)
  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
  31. RIDER ALERT PANEL
  32. ADA DOOR POSITION INDICATOR
  33. AREA DRAIN
  34. PRE-FINISHED METAL DOWNSPOUT

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**EAST PARTIAL PLATFORM PLAN**

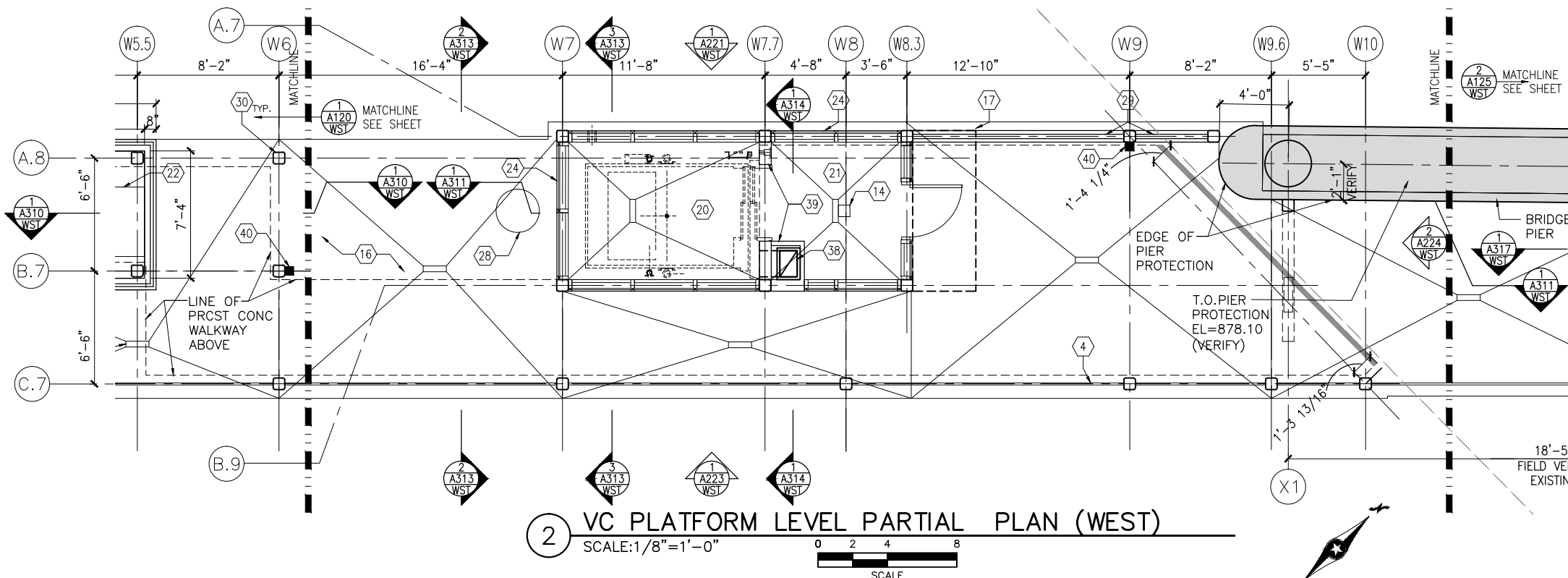
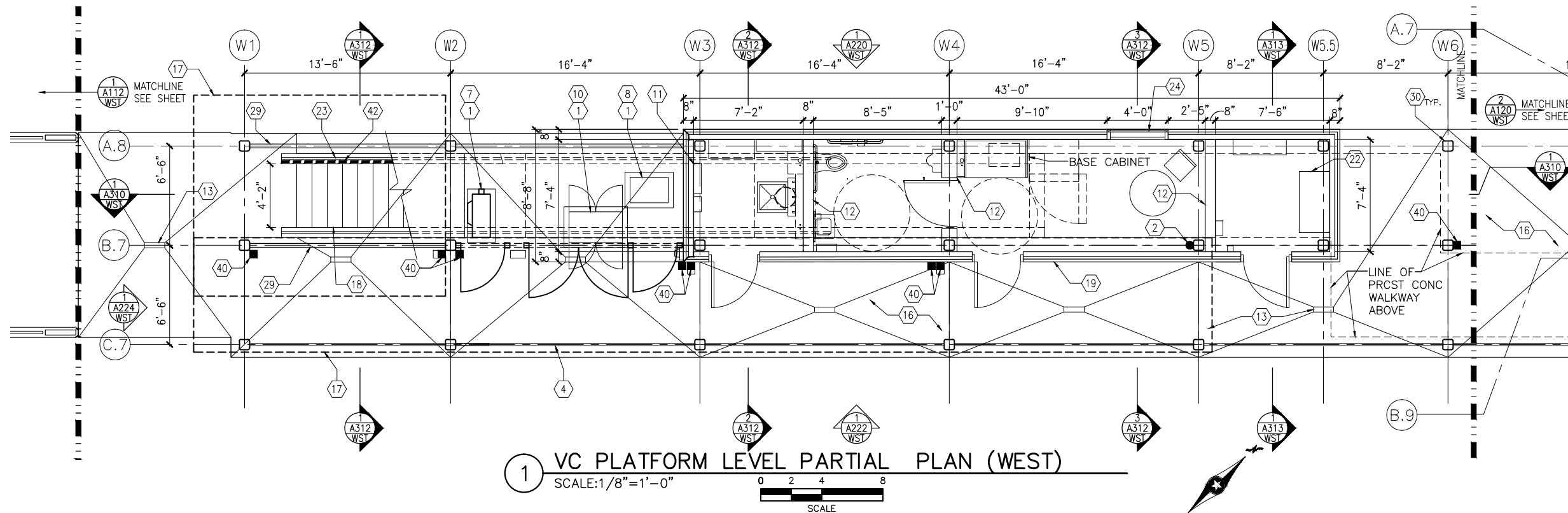
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-PLN-112**

**SHEET**  
**215**  
**OF**  
**319**



Sep. 21 2015 12:23 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-120.dwg By: V-MccarrTP



## 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. PRCSST CONC WALKWAY
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. PRCSST CONC STAIR - SEE STRUCT
19. PRCSST CONC WALL PANEL-SEE STRUCT
20. ELEVATOR
21. ELEVATOR VESTIBULE / LOBBY
22. ELEVATOR EQUIPMENT 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. PRE-FINISHED METAL DOWNSPOUT
41. LIGHT MOUNTED TO STRUCTURE
42. BIKE RAIL MOUNTED TO STAIR

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC PLATFORM LEVEL PLAN (WEST)**

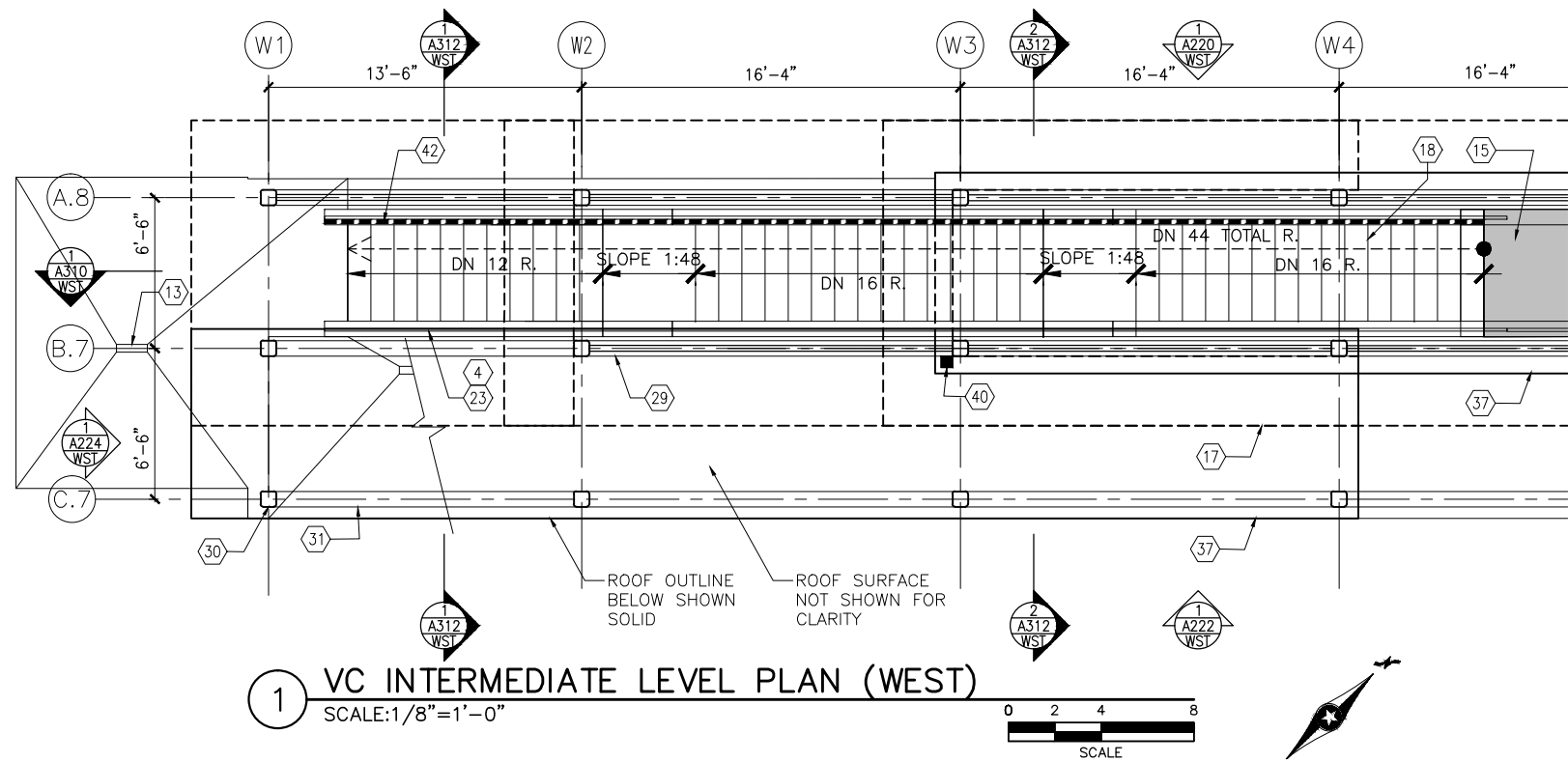
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-PLN-120**

**SHEET**  
**216**  
**OF**  
**319**



Sep. 21 2015 04:35 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-121.dwg By: V-MccarrJP



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 VESTIBULE / LOBBY

22. ELEVATOR EQUIPMENT 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

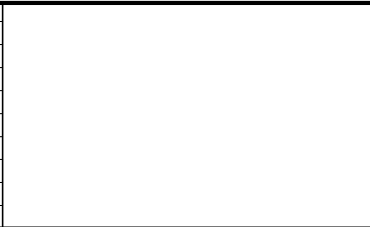
39. COMPOSITE ALUM WALL PANEL

40. PRE-FINISHED METAL DOWNSPOUT

41. LIGHT MOUNTED TO STRUCTURE

42. BIKE RAIL MOUNTED TO STAIR

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



AECOM

60% SUBMISSION - 09/28/15

METROPOLITAN

C O U N C I L

SOUTHWEST

Green Line LRT Extension

CIVIL EAST - VOLUME 11A

WEST LAKE STATION

VC INTERMEDIATE LEVEL PLAN (WEST)

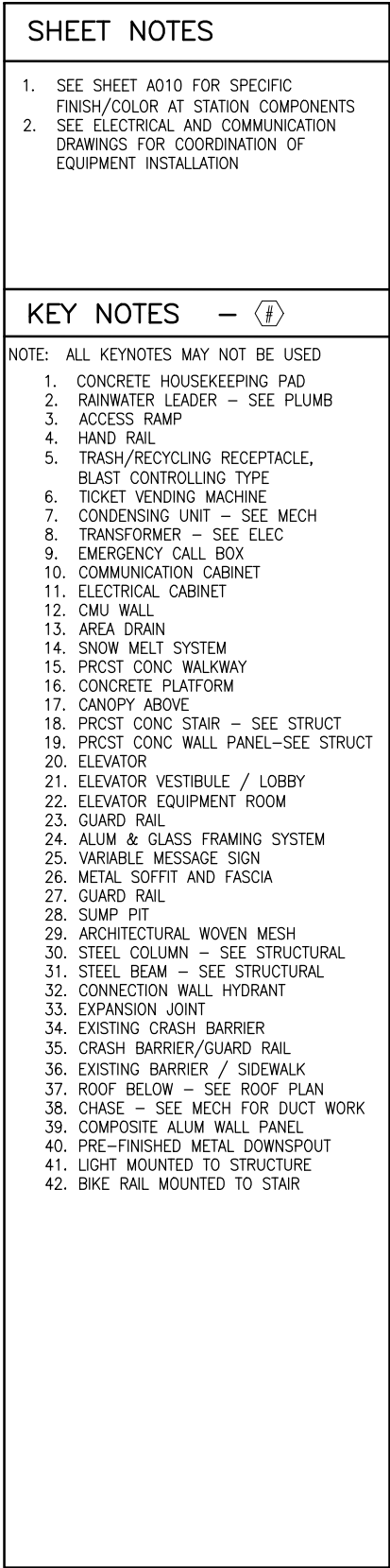
DISCIPLINE:

ARCHITECTURE

SHEET NAME:

E3-WST-ARC-PLN-121



[illegible]

**METROPOLITAN**  
COUNCIL

**CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
VC BRIDGE LEVEL PLAN (WEST)**

DISCIPLINE: **ARCHITECTURE**

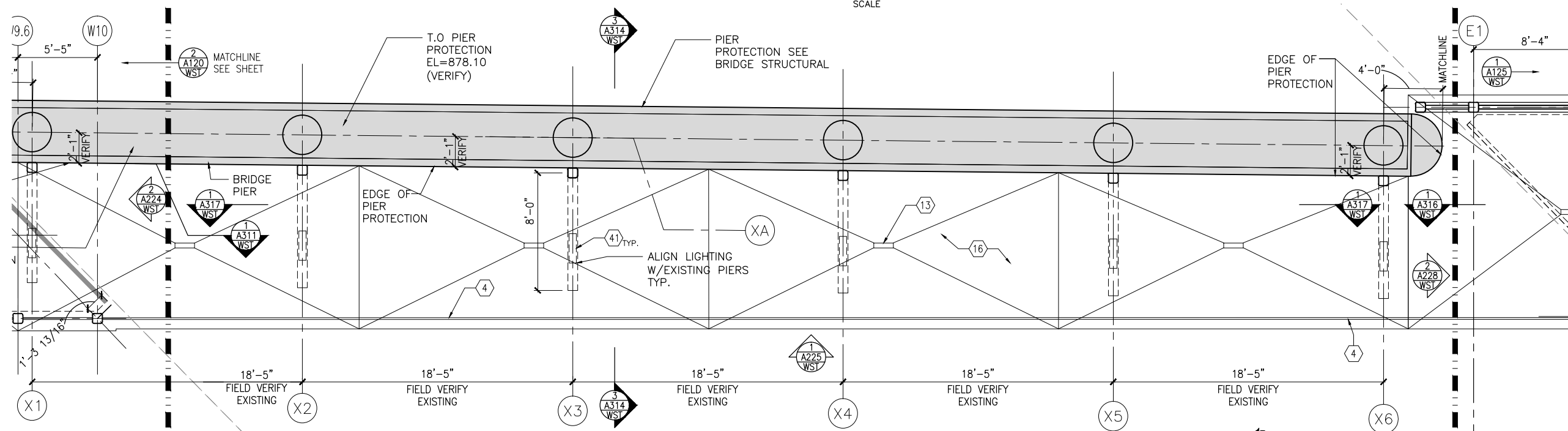
SHEET NAME:	E3-WST-ARC-PLN-122
-------------	--------------------

SHEET
218
OF
319



0 2 4 8

SCALE



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 VESTIBULE / LOBBY
22. ELEVATOR EQUIPMENT 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. PRE-FINISHED METAL DOWNSPOUT
41. LIGHT MOUNTED TO STRUCTURE
42. BIKE RAIL MOUNTED TO STAIR

[illegible]

60% SUBMISSION - 09/28/15



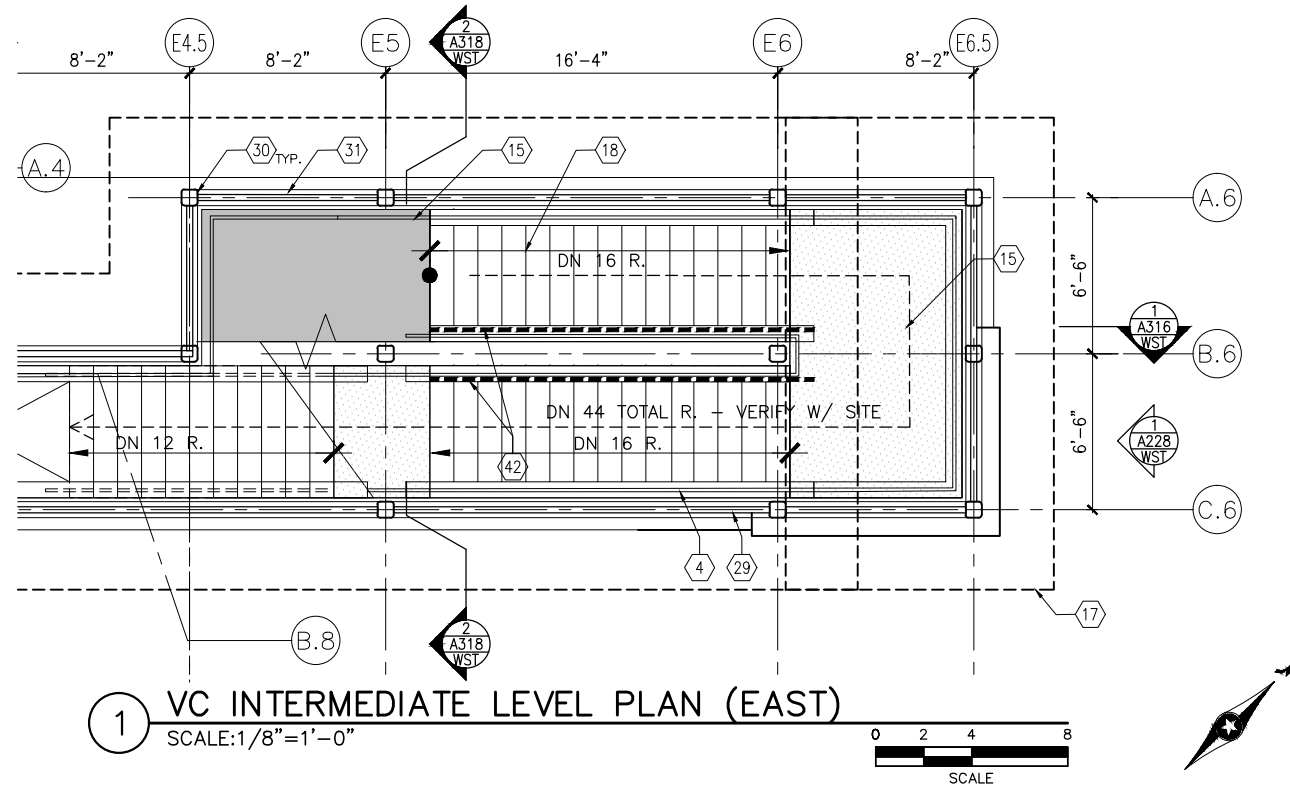
**CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
VC PLATFORM LEVEL PLAN (EAST)**

DISCIPLINE: **ARCHITECTURE**

SHEET NAME:	E3-WST-ARC-PLN-125
-------------	--------------------



Sep. 21 2015 12:27 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-126.dwg By: V-MccarrJP



## 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. PRGST CONC WALKWAY
  16. CONCRETE PLATFORM
  17. CANOPY ABOVE
  18. PRGST CONC STAIR - SEE STRUCT
  19. PRGST CONC WALL PANEL-SEE STRUCT
  20. ELEVATOR
  21. ELEVATOR VESTIBULE / LOBBY
  22. ELEVATOR EQUIPMENT 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. PRE-FINISHED METAL DOWNSPOUT
  41. LIGHT MOUNTED TO STRUCTURE
  42. BIKE RAIL MOUNTED TO STAIR

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC INTERMEDIATE LEVEL PLAN (EAST)**

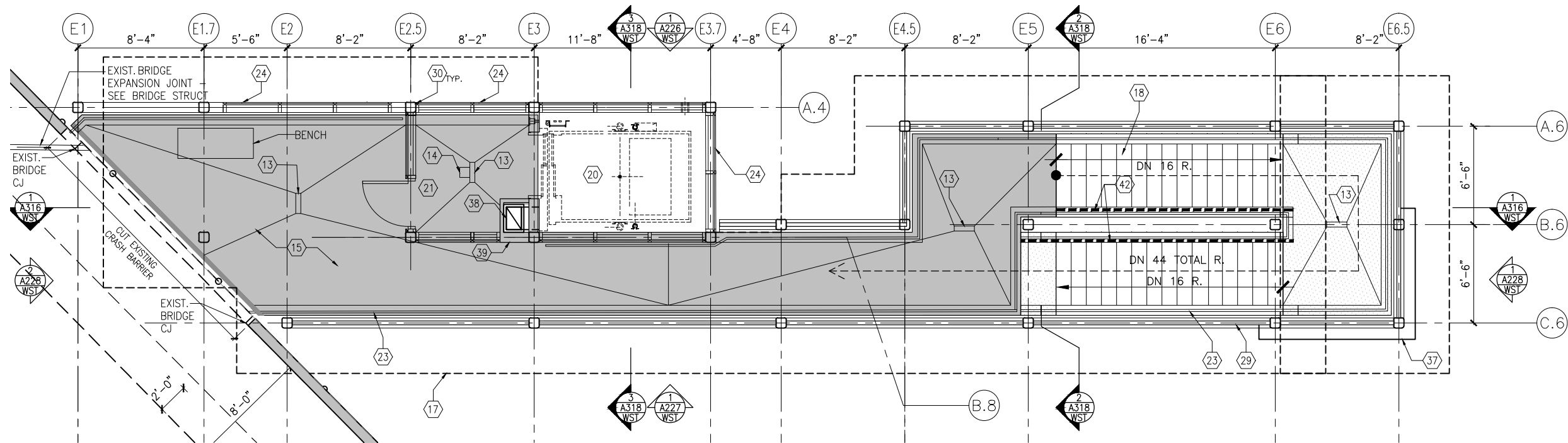
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-PLN-126**

**SHEET**  
**220**  
**OF**  
**319**



Sep. 21 2015 12:27 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-127.dwg By: V-MccarrTP



1 VC BRIDGE LEVEL PLAN (EAST)  
SCALE: 1/8" = 1'-0"

## SHEET NOTES

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

- CONCRETE HOUSEKEEPING PAD
- RAINWATER LEADER - SEE PLUMB
- ACCESS RAMP
- HAND RAIL
- TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
- TICKET VENDING MACHINE
- CONDENSING UNIT - SEE MECH
- TRANSFORMER - SEE ELEC
- EMERGENCY CALL BOX
- COMMUNICATION CABINET
- ELECTRICAL CABINET
- CMU WALL
- AREA DRAIN
- SNOW MELT SYSTEM
- PRCST CONC WALKWAY
- CONCRETE PLATFORM
- CANOPY ABOVE
- PRCST CONC STAIR - SEE STRUCT
- PRCST CONC WALL PANEL-SEE STRUCT
- ELEVATOR
- ELEVATOR VESTIBULE / LOBBY
- ELEVATOR EQUIPMENT ROOM
- GUARD RAIL
- ALUM & GLASS FRAMING SYSTEM
- VARIABLE MESSAGE SIGN
- METAL SOFFIT AND FASCIA
- GUARD RAIL
- SUMP PIT
- ARCHITECTURAL WOVEN MESH
- STEEL COLUMN - SEE STRUCTURAL
- STEEL BEAM - SEE STRUCTURAL
- CONNECTION WALL HYDRANT
- EXPANSION JOINT
- EXISTING CRASH BARRIER
- CRASH BARRIER/GUARD RAIL
- EXISTING BARRIER / SIDEWALK
- ROOF BELOW - SEE ROOF PLAN
- CHASE - SEE MECH FOR DUCT WORK
- COMPOSITE ALUM WALL PANEL
- PRE-FINISHED METAL DOWNSPOUT
- LIGHT MOUNTED TO STRUCTURE
- BIKE RAIL MOUNTED TO STAIR

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC BRIDGE LEVEL PLAN (EAST)**

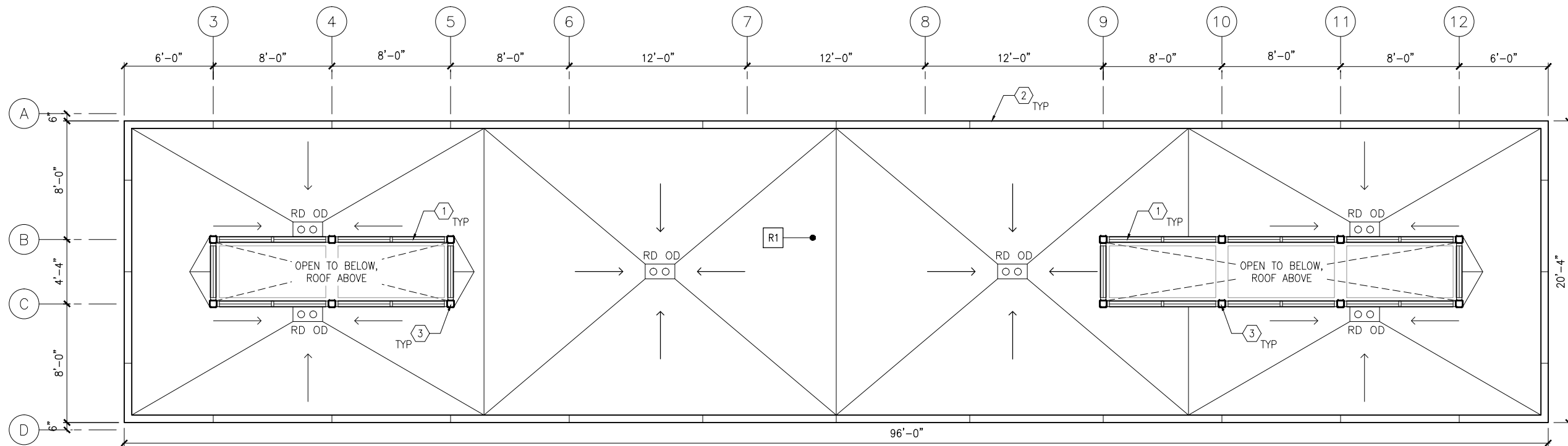
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-PLN-127**

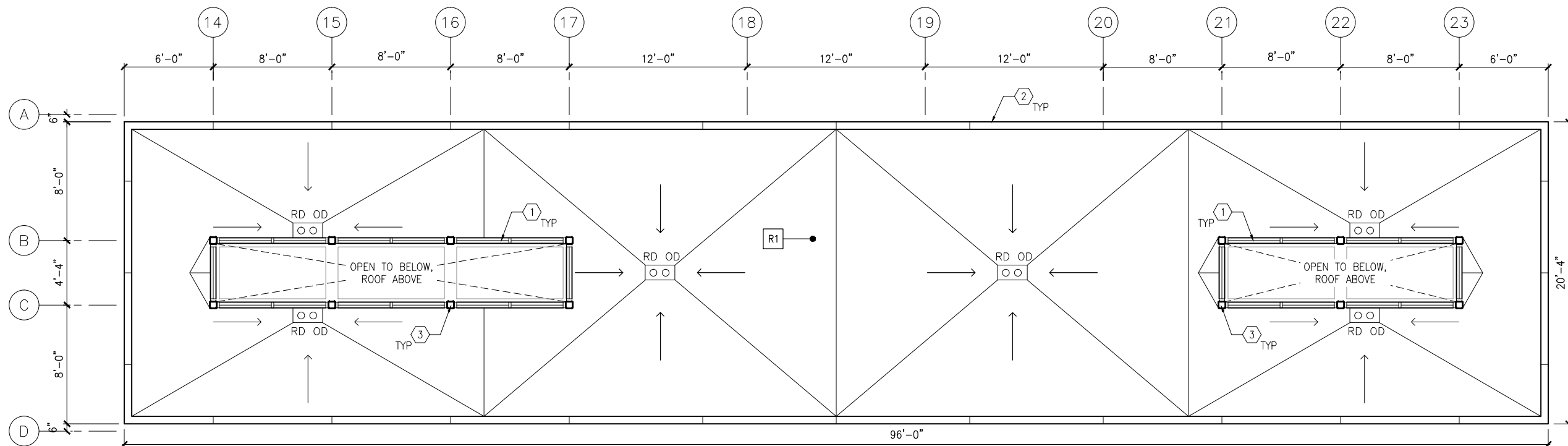
**SHEET**  
**221**  
**OF**  
**319**



Sep. 21 2015 12:28 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-150.dwg By: V-MccarrTP



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



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

### GENERAL SHEET NOTES

1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. ROOF SLOPE IS 1/8" PER FT UNO

### 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. PRE-FINISHED METAL DOWNSPOUT
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**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**ROOF PLANS**

DISCIPLINE: **ARCHITECTURE**

SHEET NAME: **E3-WST-ARC-PLN-150**

**SHEET**  
**222**  
**OF**  
**319**









1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
2. ROOF SLOPE IS 1/8" PER FT UNO

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. PRE-FINISHED METAL DOWNSPOUT
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

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- |  |   |
|--|---|
|           | STEEL COLUMN  |
|           | OVERHEAD SUPPORT  |
| RD OD<br> | ROOF DRAIN AND<br>OVERFLOW ROOF DRAIN                       |
|           | ROOF ASSEMBLY TYPE 1<br>BALLASTED EPDM                      |
|           | ROOF ASSEMBLY TYPE 2<br>PRECAST PAVER OVER EPDM             |
|           | ROOF ASSEMBLY TYPE 3<br>SAME AS TYPE 2<br>WITH R INSULATION |

[illegible]**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
VC ROOF PLAN (WEST)**

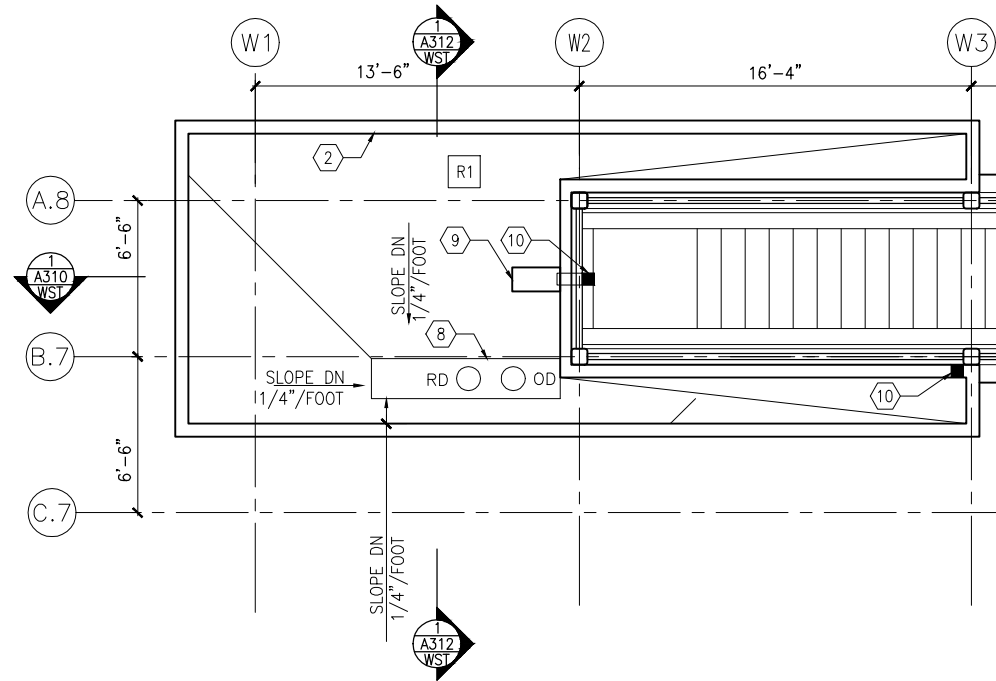
DISCIPLINE: **ARCHITECTURE**

SHEET NAME:	E3-WST-ARC-PLN-160
-------------	--------------------

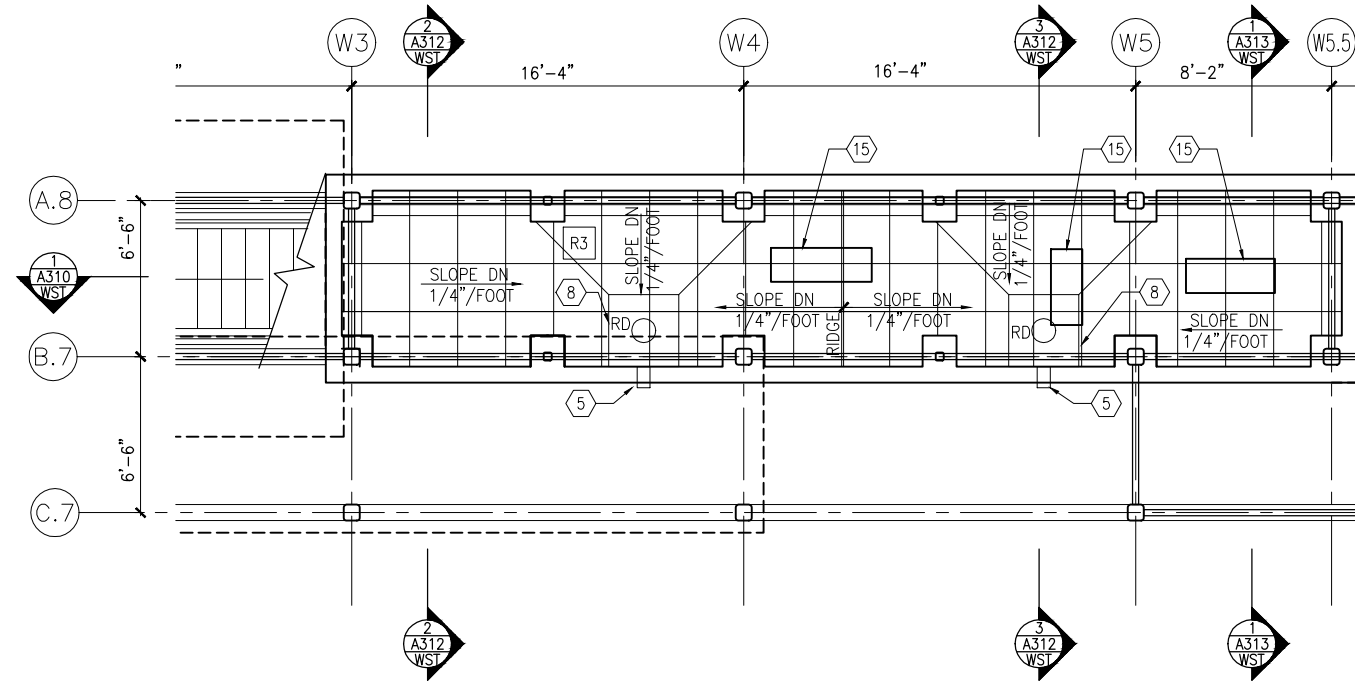
	<b>SHEET</b>
	<b>223</b>
	<b>OF</b>
	<b>319</b>



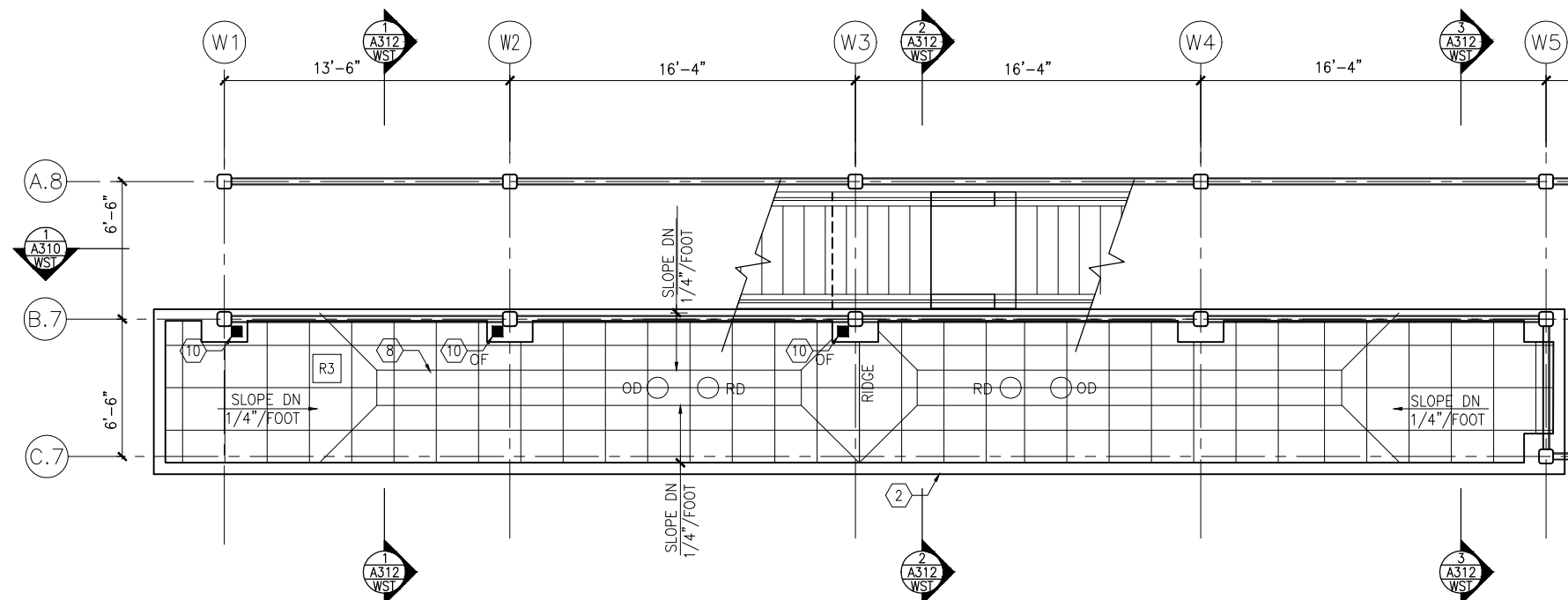
Sep. 21 2015 12:30 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-161.dwg By: V-McCorrIP



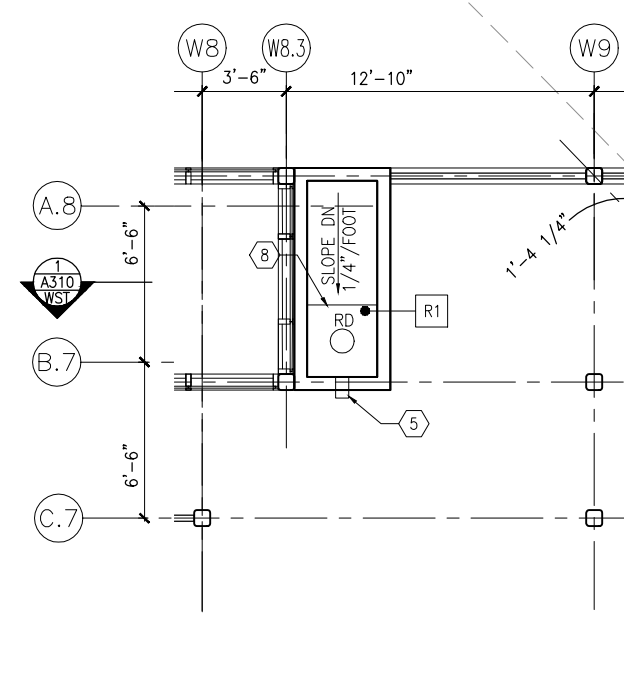
1 VC PARTIAL ROOF PLAN 017 (WEST)  
SCALE: 1/8" = 1'-0"  
0 2 4 8  
SCALE



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

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- ROOF SLOPE IS 1/8" PER FT UNO

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

- ALUMINUM STOREFRONT AND TRANSLUCENT GLAZING SYSTEM
- ALUMINUM COMPOSITE PANEL COPING
- STEEL COLUMN - SEE STRUCTURAL
- STEEL BEAM ABOVE - SEE STRUCTURAL
- PREFINISHED METAL SCUPPER
- PREFINISHED METAL GUTTER, SLOPE TO DOWNSPOUTS
- ROOF BASE FLASHING
- SUMP
- CONCRETE SPLASH BLOCK
- PRE-FINISHED METAL DOWNSPOUT
- ROOF EXPANSION JOINT
- BUILDING EXPANSION JOINT
- VENT THROUGH ROOF - SEE PLUMB
- INTEGRAL ROOF GUTTER - SLOPE TO DOWNSPOUTS BELOW
- 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<sub>u</sub> INSULATION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC ROOF PLAN (WEST)**

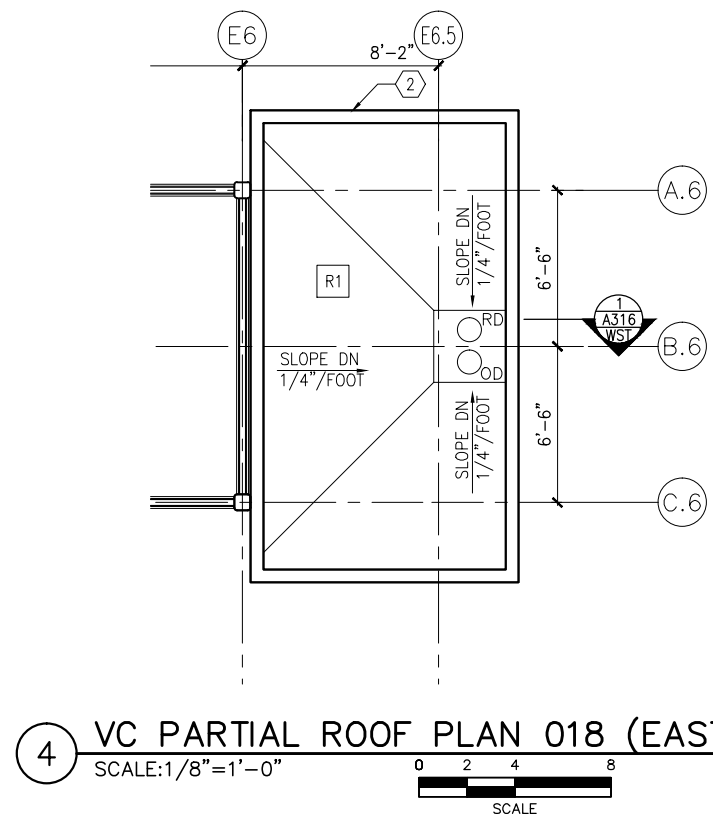
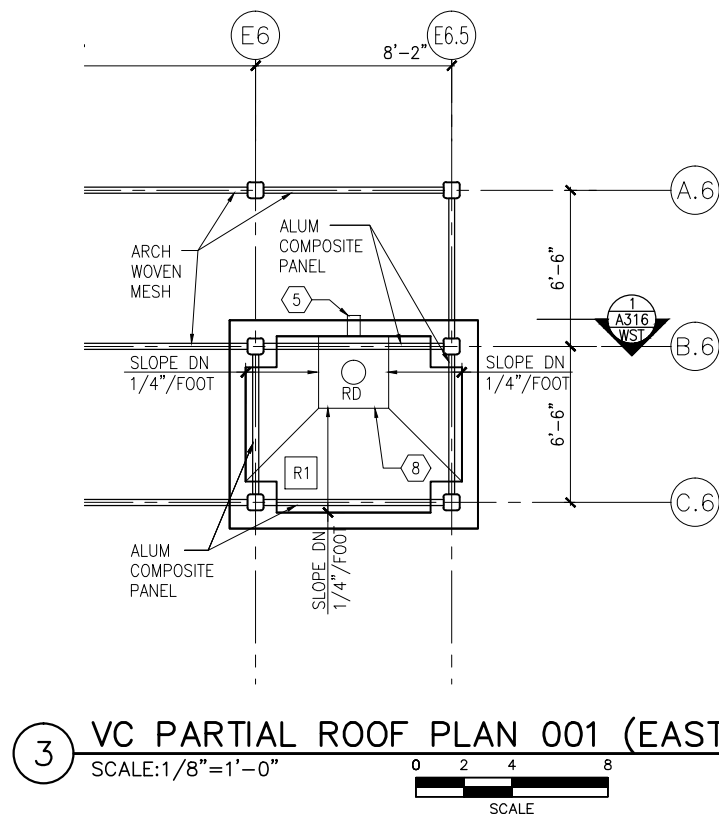
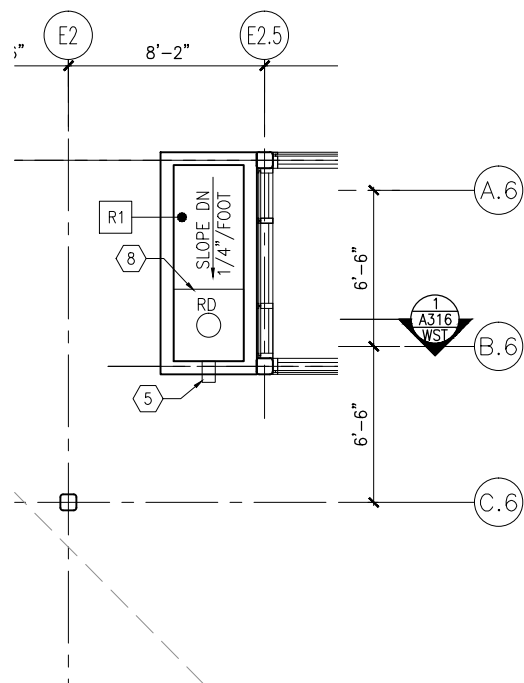
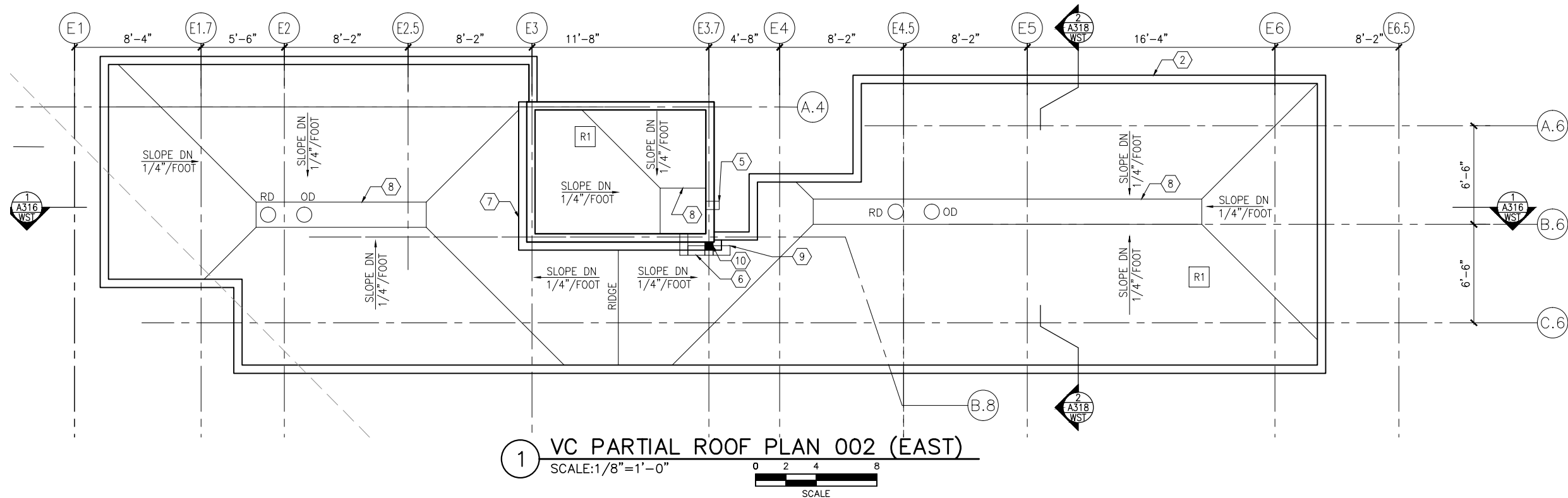
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-PLN-161**

**SHEET**  
**224**  
**OF**  
**319**



Sep. 21 2015 12:30 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-PLN-162.dwg By: V-MccarrTP



## GENERAL SHEET NOTES

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- ROOF SLOPE IS 1/8" PER FT UNO

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

- ALUMINUM STOREFRONT AND TRANSLUCENT GLAZING SYSTEM
- ALUMINUM COMPOSITE PANEL COPING
- STEEL COLUMN - SEE STRUCTURAL
- STEEL BEAM ABOVE - SEE STRUCTURAL
- PREFINISHED METAL SCUPPER
- PREFINISHED METAL GUTTER, SLOPE TO DOWNSPOUTS
- ROOF BASE FLASHING
- SUMP
- CONCRETE SPLASH BLOCK
- PRE-FINISHED METAL DOWNSPOUT
- ROOF EXPANSION JOINT
- BUILDING EXPANSION JOINT
- VENT THROUGH ROOF - SEE PLUMB
- INTEGRAL ROOF GUTTER - SLOPE TO DOWNSPOUTS BELOW
- 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<sub>1</sub> INSULATION

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC ROOF PLAN (EAST)**

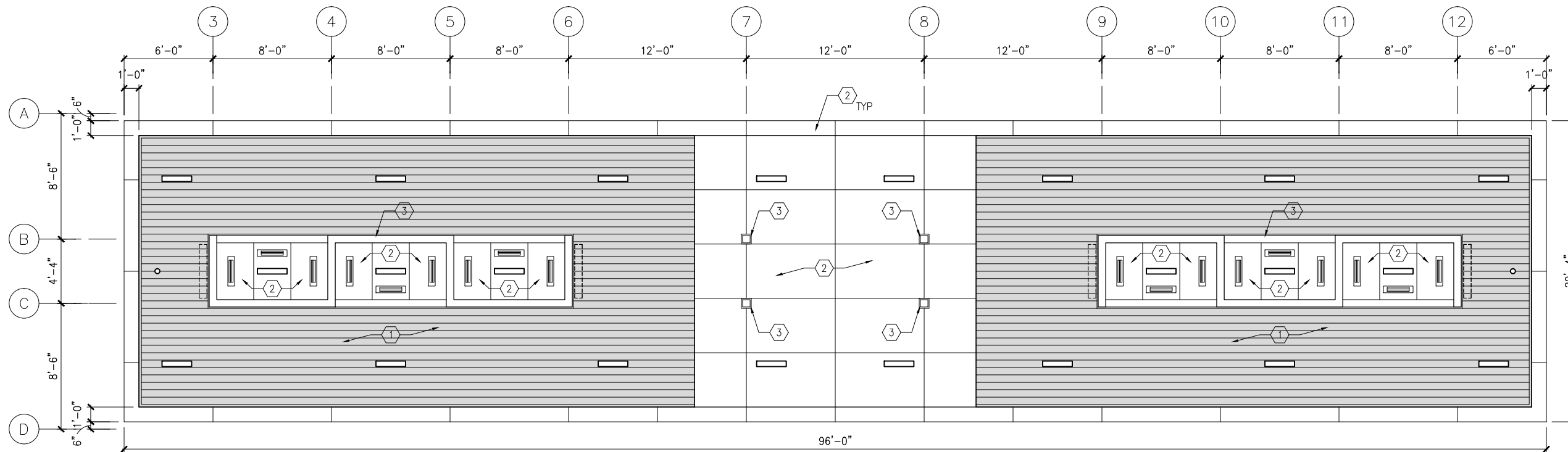
DISCIPLINE: **ARCHITECTURE**

SHEET NAME: **E3-WST-ARC-PLN-162**

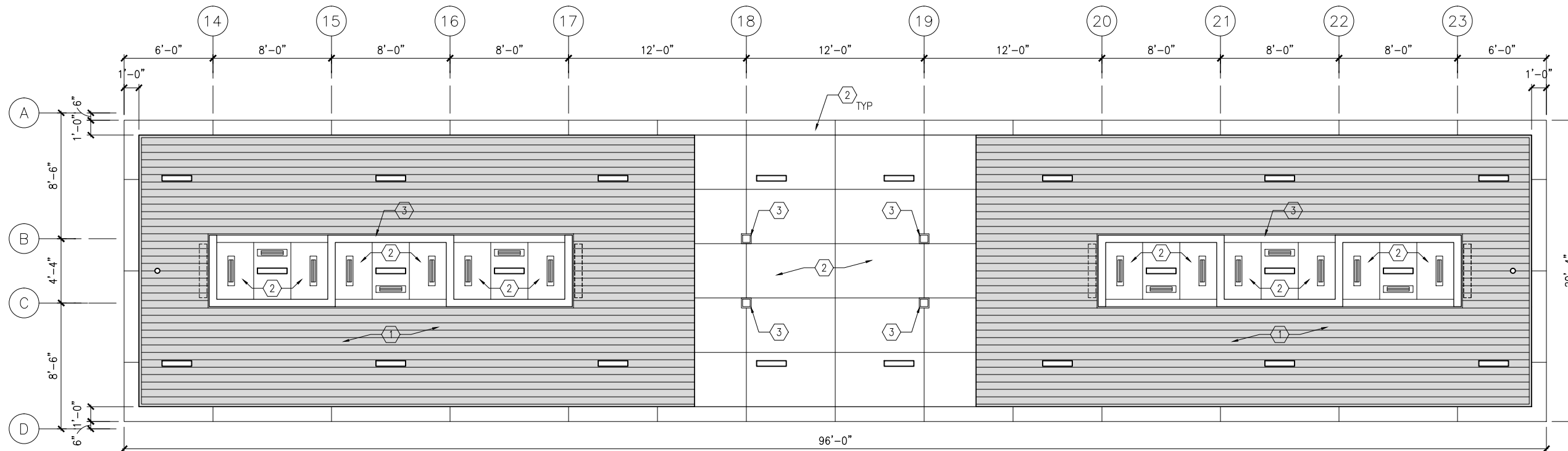
**SHEET**  
**225**  
**OF**  
**319**



Sep. 21 2015 12:31 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-RCP-180.dwg By: V-McarrTP



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



2 REFLECTED CEILING PLAN - EAST CANOPY  
SCALE: 1/8"=1'-0"

## 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

## 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. PRECAST CONCRETE WALKWAY - SEE STRUCTURAL
5. PRECAST CONCRETE STAIR - SEE STRUCTURAL
6. EXPOSED STRUCTURE - SEE STRUCTURAL
7. ACOUSTIC CEILING
8. HINGED PANELS FOR EQUIPMENT ACCESS

## LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- SPEAKER
- MICROPHONE
- SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- LAY-IN CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
REFLECTED CEILING PLANS**

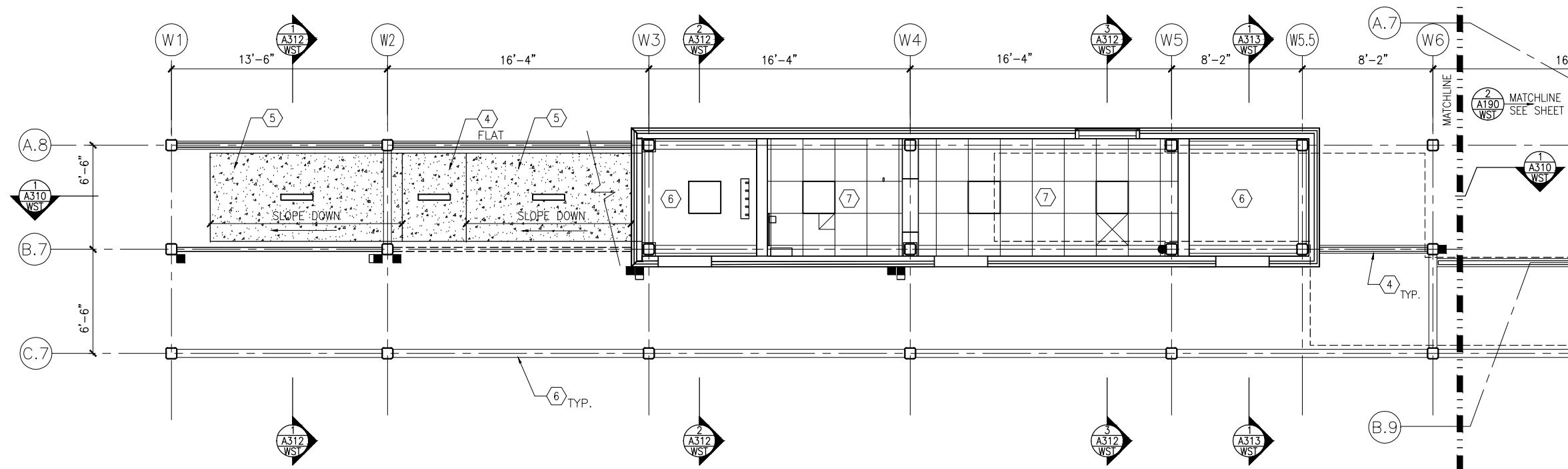
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-RCP-180**

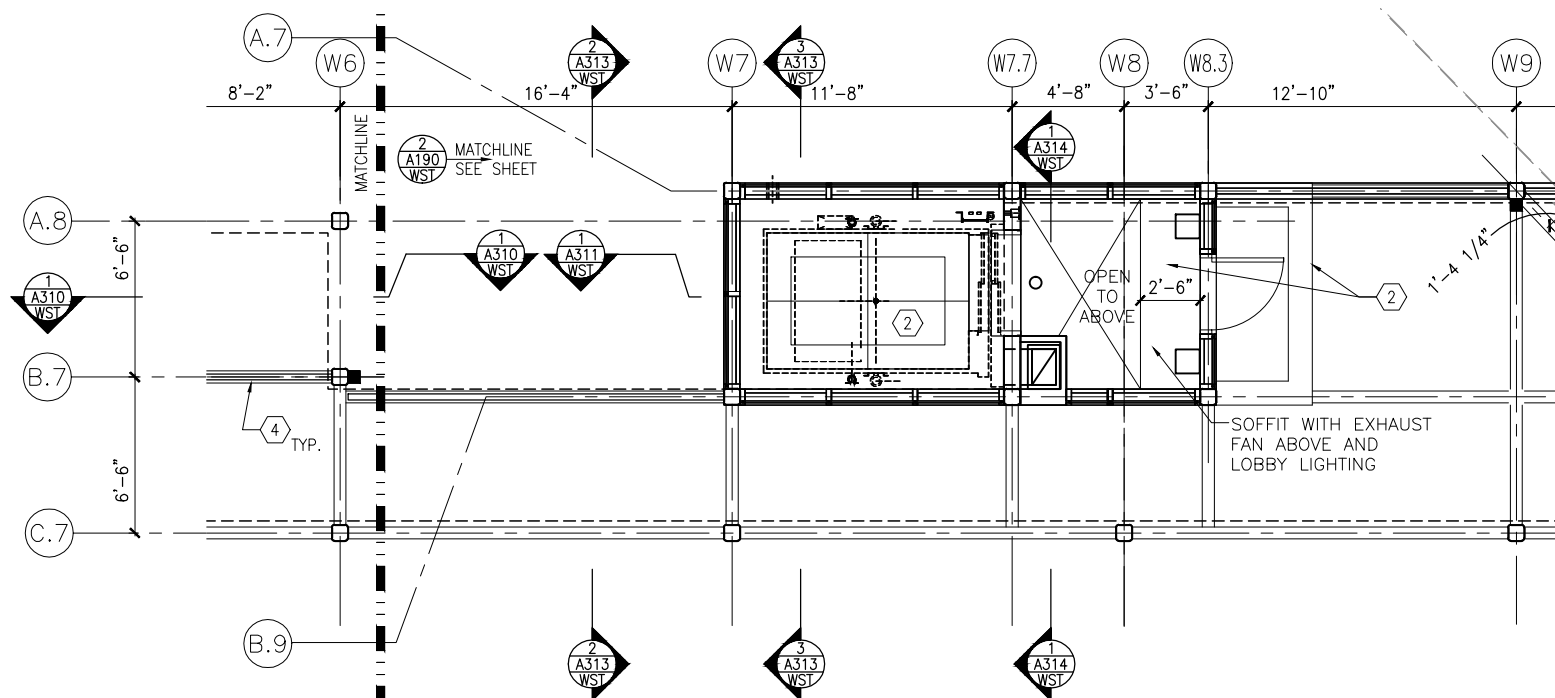
**SHEET  
226  
OF  
319**



Sep. 21 2015 12:32 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-RCP-190.dwg By: V-MccarrTP



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

## 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. PRECAST CONCRETE WALKWAY - SEE STRUCTURAL
  5. PRECAST CONCRETE STAIR - SEE STRUCTURAL
  6. EXPOSED STRUCTURE - SEE STRUCTURAL
  7. ACOUSTIC CEILING
  8. HINGED PANELS FOR EQUIPMENT ACCESS

## LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- SPEAKER
- MICROPHONE
- SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- LAY-IN CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC RCP PLATFORM**  
**LEVEL (WEST)**

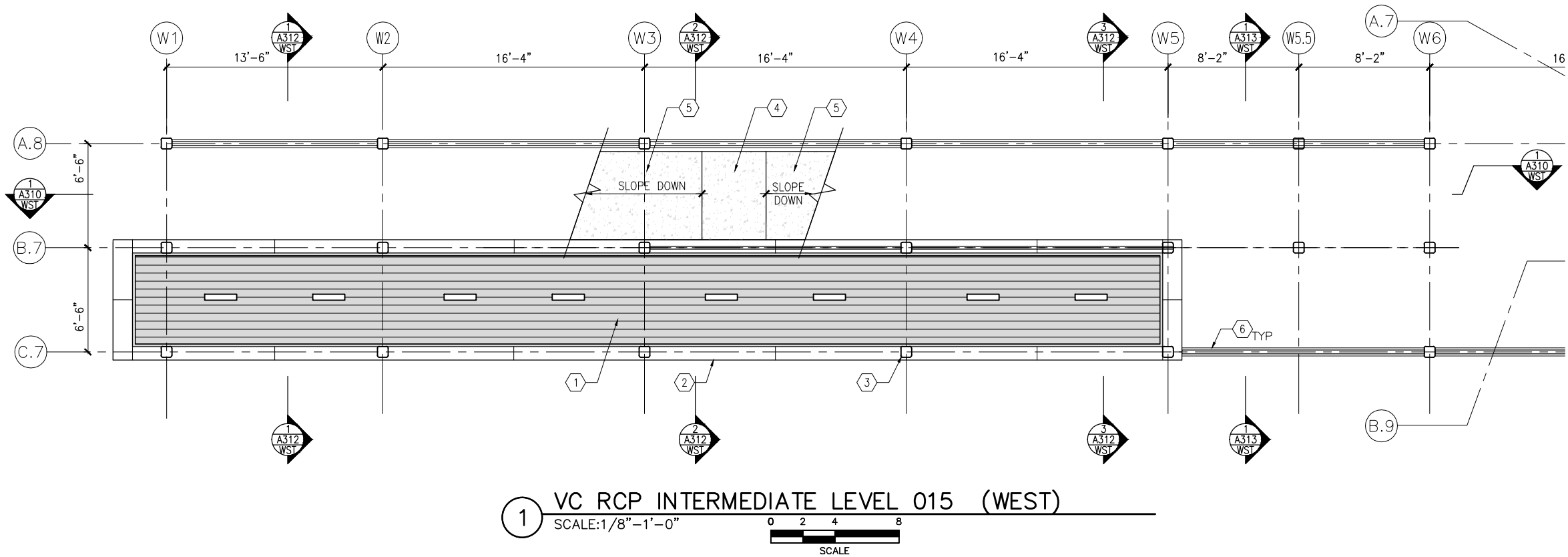
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-RCP-190**

**SHEET**  
**227**  
**OF**  
**319**



Sep. 21 2015 12:33 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-RCP-191.dwg By: V-MccarrTP



## 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

## 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. PRECAST CONCRETE WALKWAY - SEE STRUCTURAL
  5. PRECAST CONCRETE STAIR - SEE STRUCTURAL
  6. EXPOSED STRUCTURE - SEE STRUCTURAL
  7. ACOUSTIC CEILING
  8. HINGED PANELS FOR EQUIPMENT ACCESS

## LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- |  |  |
|--|--|
|  | SHELTER HEATER                                     |
|  | SPEAKER  |
|  | MICROPHONE   |
|  | SECURITY CAMERA                                    |
|  | ELECT/COMM JUNCTION BOX                            |
|  | LED LINEAR LIGHT FIXTURE                           |
|  | LED DOWNLIGHT LIGHT FIXTURE                        |
|  | VARIABLE MESSAGE SIGN<br>(FINAL LOCATIONS ARE TBD) |
|  | LAY-IN CEILING                                     |
|  | EXPOSED CONCRETE                                   |
|  | EXTERIOR LINEAR METAL CEILING                      |

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC RCP INTERMEDIATE**  
**LEVEL 015 (WEST)**

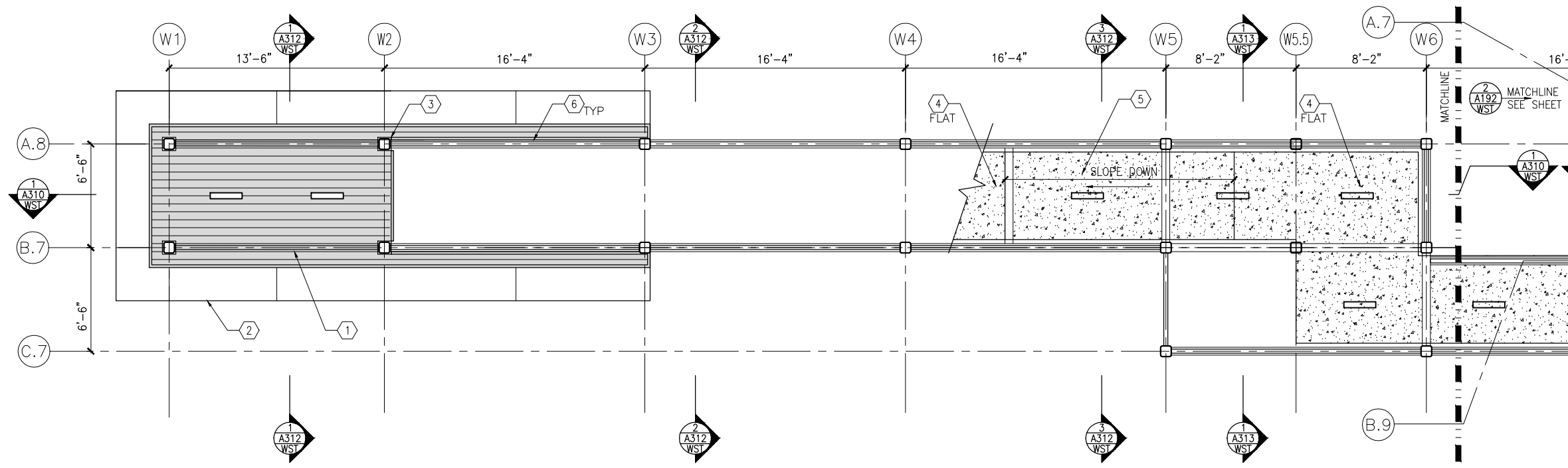
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-RCP-191**

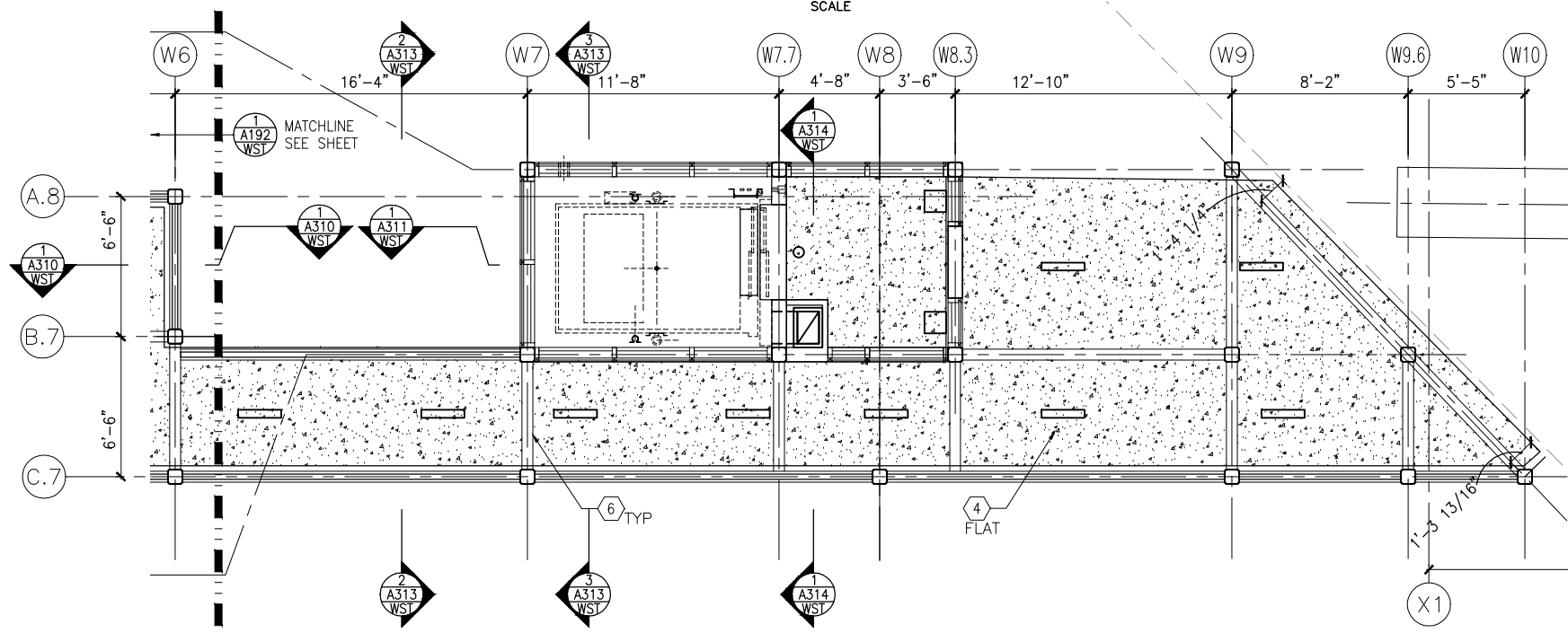
**SHEET**  
**228**  
**OF**  
**319**



Sep. 21 2015 05:54 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-RCP-192.dwg By: V-MccarrTP



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

## 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. PRECAST CONCRETE WALKWAY - SEE STRUCTURAL
5. PRECAST CONCRETE STAIR - SEE STRUCTURAL
6. EXPOSED STRUCTURE - SEE STRUCTURAL
7. ACOUSTIC CEILING
8. HINGED PANELS FOR EQUIPMENT ACCESS

## LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- SPEAKER
- MICROPHONE
- SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- LAY-IN CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC RCP INTERMEDIATE**  
**LEVEL 017 (WEST)**

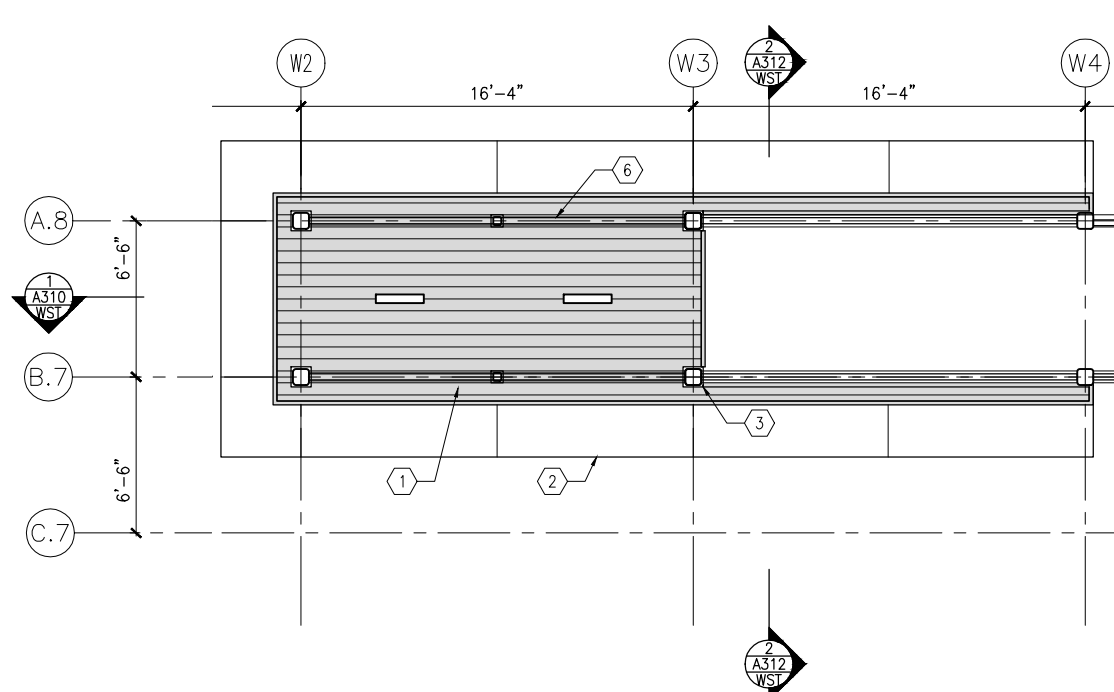
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-RCP-192**

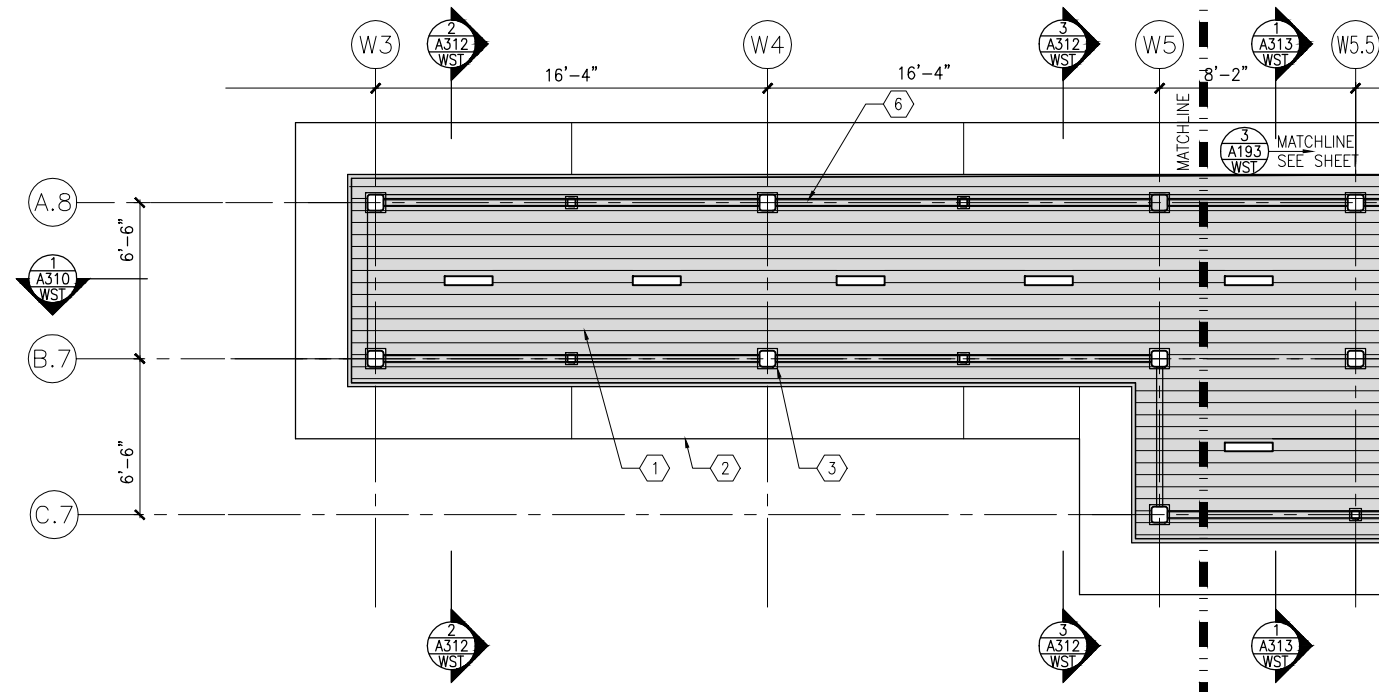
**SHEET**  
**229**  
**OF**  
**319**



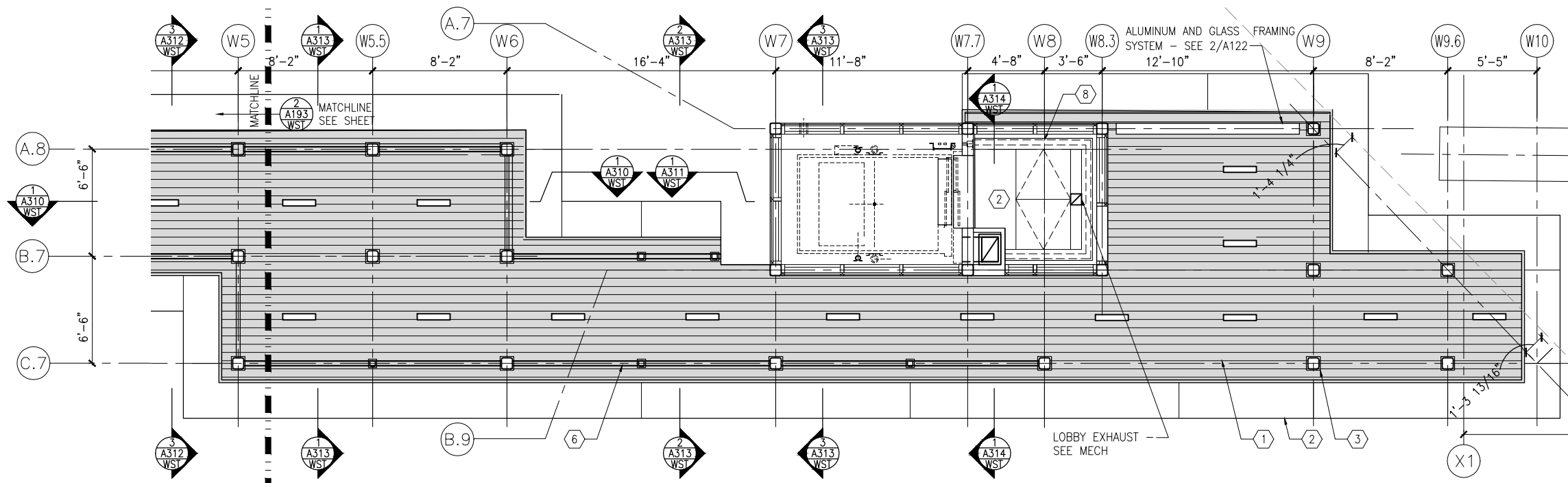
Sep. 21 2015 04:25 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-RCP-193.dwg By: V-MccarrTP



1 VC RCP INTERMEDIATE LEVEL 018 (WEST)  
SCALE: 1/8" = 1'-0"



2 VC RCP BRIDGE LEVEL (WEST)  
SCALE: 1/8" = 1'-0"



3 VC RCP BRIDGE LEVEL (WEST)  
SCALE: 1/8" = 1'-0"

## GENERAL SHEET NOTES

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

- EXTERIOR LINEAR METAL CEILING SOFFIT IN SHADED AREA
- ALUMINUM COMPOSITE PANEL SOFFIT
- PROVIDE MATCHING CEILING TRIM AROUND STEEL COLUMN AND/OR SHELTERS
- PRECAST CONCRETE WALKWAY - SEE STRUCTURAL
- PRECAST CONCRETE STAIR - SEE STRUCTURAL
- EXPOSED STRUCTURE - SEE STRUCTURAL
- ACOUSTIC CEILING
- HINGED PANELS FOR EQUIPMENT ACCESS

## LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- SPEAKER
- MICROPHONE
- SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- LAY-IN CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC RCP BRIDGE**  
**LEVEL (WEST)**

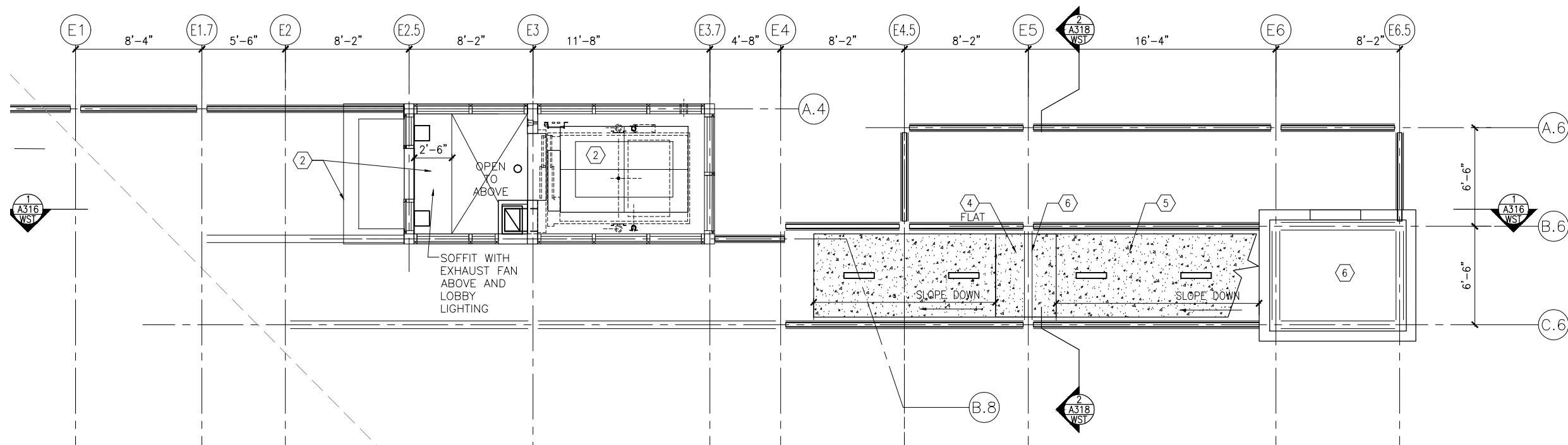
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-RCP-193**

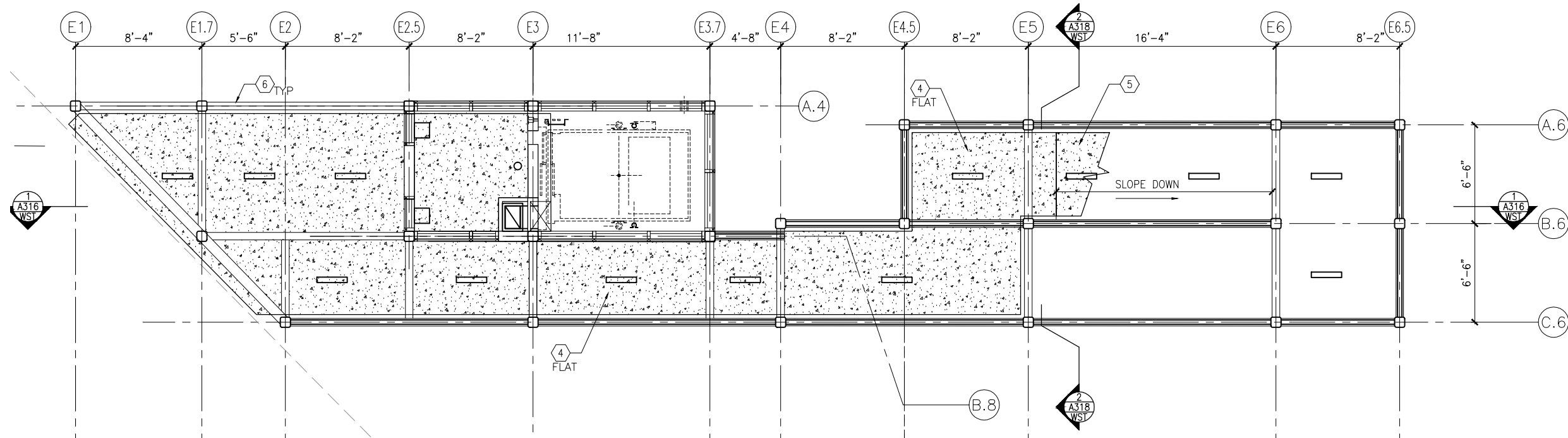
**SHEET**  
**230**  
**OF**  
**319**



Sep. 21 2015 12:38 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-RCP-194.dwg By: V-MccarrTP



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

### 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. PRECAST CONCRETE WALKWAY - SEE STRUCTURAL
5. PRECAST CONCRETE STAIR - SEE STRUCTURAL
6. EXPOSED STRUCTURE - SEE STRUCTURAL
7. ACOUSTIC CEILING
8. HINGED PANELS FOR EQUIPMENT ACCESS

### LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- SPEAKER
- MICROPHONE
- SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- LAY-IN CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC RCP PLATFORM \**  
**INTERMEDIATE LEVEL 017 (EAST)**

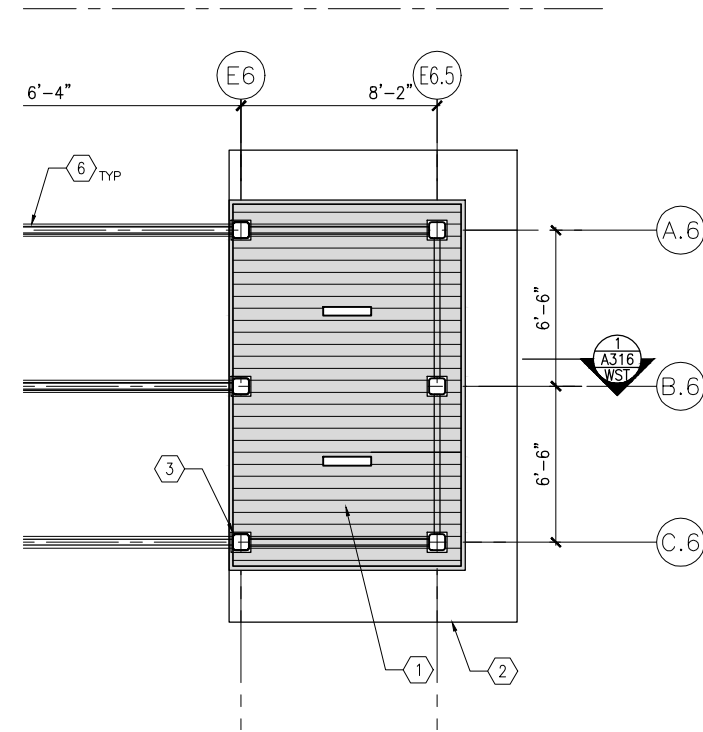
DISCIPLINE: **ARCHITECTURE**

SHEET NAME: **E3-WST-ARC-RCP-194**

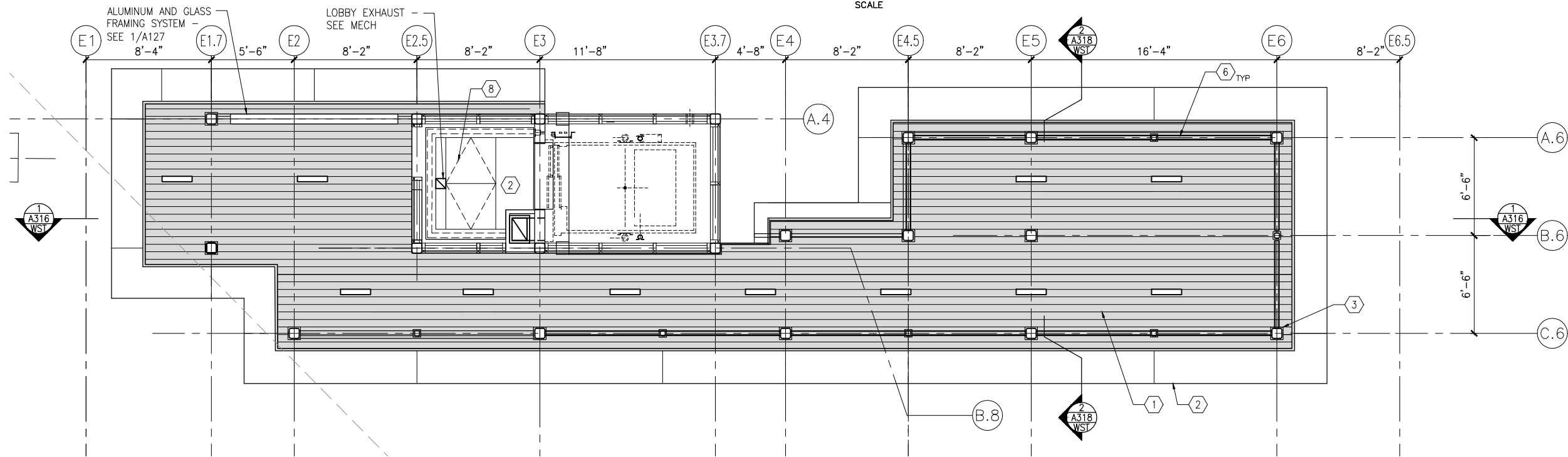
**SHEET**  
**231**  
**OF**  
**319**



Sep. 21 2015 12:40 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-RCP-195.dwg By: V-MccarrTP



1 VC RCP INTERMEDIATE LEVEL 018 (EAST)  
SCALE: 1/8" = 1'-0"



2 VC RCP BRIDGE LEVEL (EAST)  
SCALE: 1/8" = 1'-0"

## 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

## 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. PRECAST CONCRETE WALKWAY - SEE STRUCTURAL
5. PRECAST CONCRETE STAIR - SEE STRUCTURAL
6. EXPOSED STRUCTURE - SEE STRUCTURAL
7. ACOUSTIC CEILING
8. HINGED PANELS FOR EQUIPMENT ACCESS

## LEGEND

NOTE: ALL LEGEND ITEMS MAY NOT BE USED

- SHELTER HEATER
- SPEAKER
- MICROPHONE
- SECURITY CAMERA
- ELECT/COMM JUNCTION BOX
- LED LINEAR LIGHT FIXTURE
- LED DOWNLIGHT LIGHT FIXTURE
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- LAY-IN CEILING
- EXPOSED CONCRETE
- EXTERIOR LINEAR METAL CEILING

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC RCP BRIDGE**  
**LEVEL (EAST)**

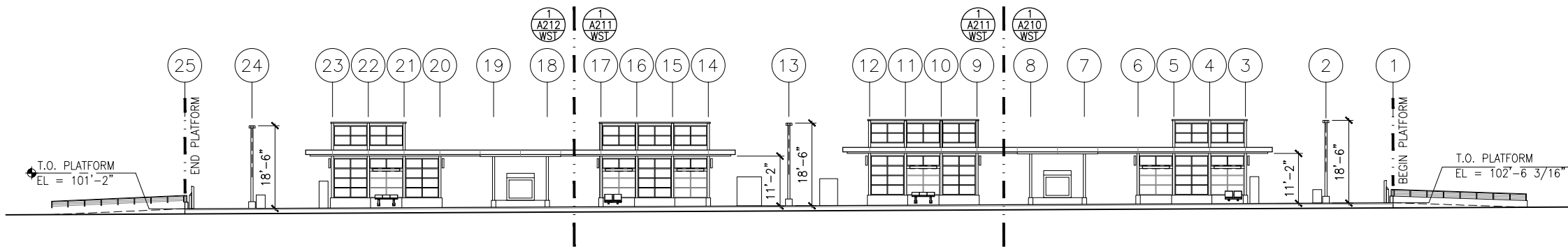
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-RCP-195**

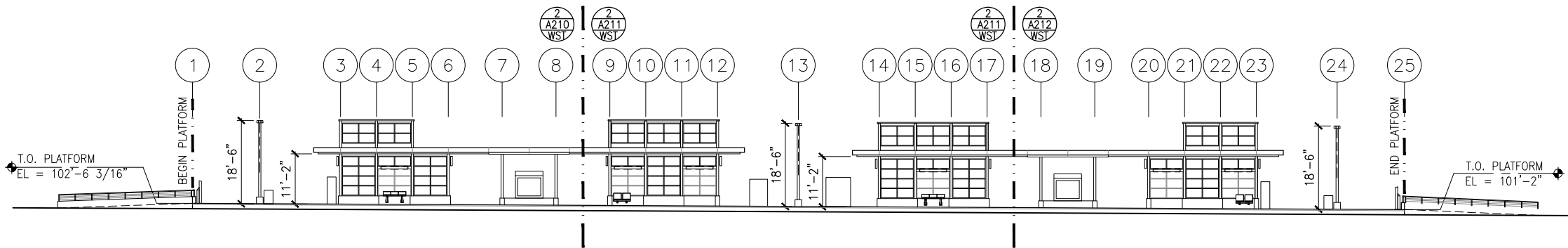
**SHEET**  
**232**  
**OF**  
**319**



Sep. 21 2015 12:40 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-200.DWG By: V-Mccarr.TP



1 TRACK 1 ELEVATION  
SCALE: 1"=30' 0 7.5 15 30 (-0.50% SLOPE)\*  
SCALE



2 TRACK 2 ELEVATION  
SCALE: 1"=30' 0 7.5 15 30 (-0.50% SLOPE)\*  
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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
ELEVATIONS**

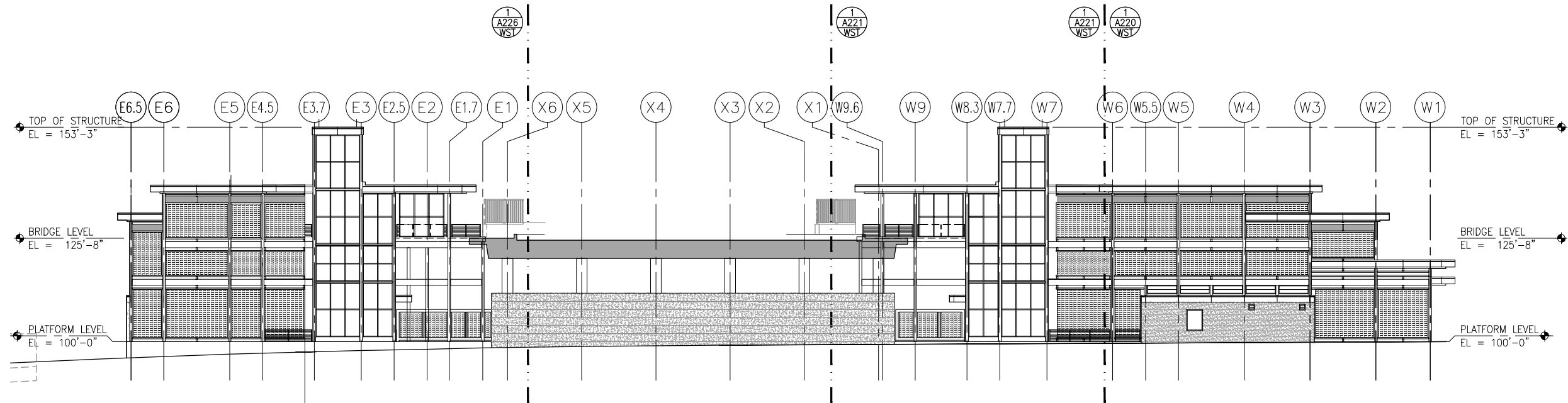
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-ELV-200**

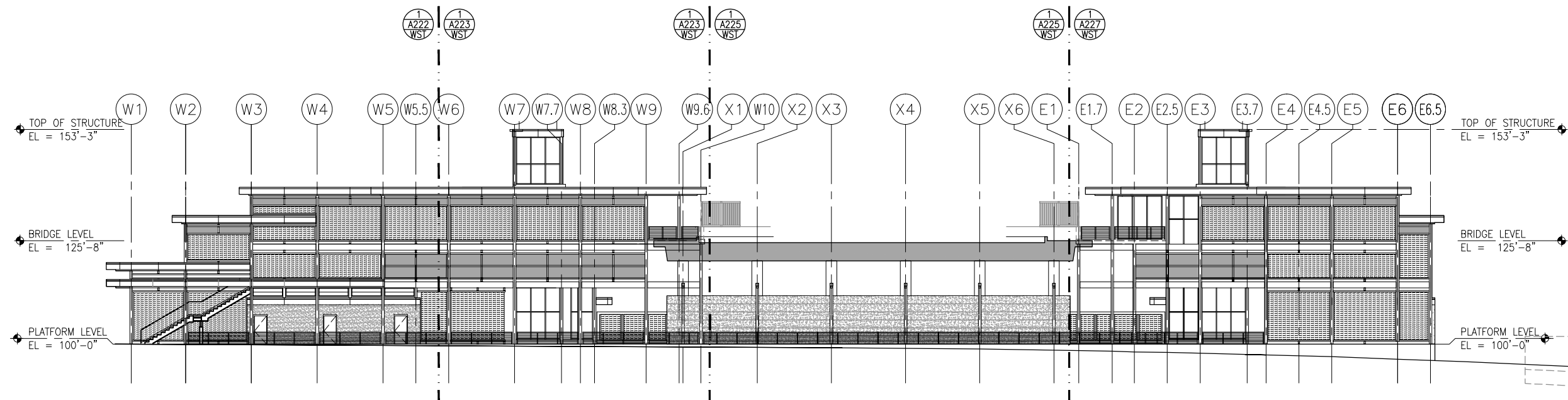
**SHEET  
233  
OF  
319**



Sep. 21 2015 12:41 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-201.dwg By: V-McCarrTP



1 VC TRACK 1 ELEVATION  
SCALE: 1"=30' 0 7.5 15 30 (-0.50% SLOPE)\*  
SCALE



2 VC TRACK 2 ELEVATION  
SCALE: 1"=30' 0 7.5 15 30 (-0.50% SLOPE)\*  
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

\*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
VC ELEVATIONS**

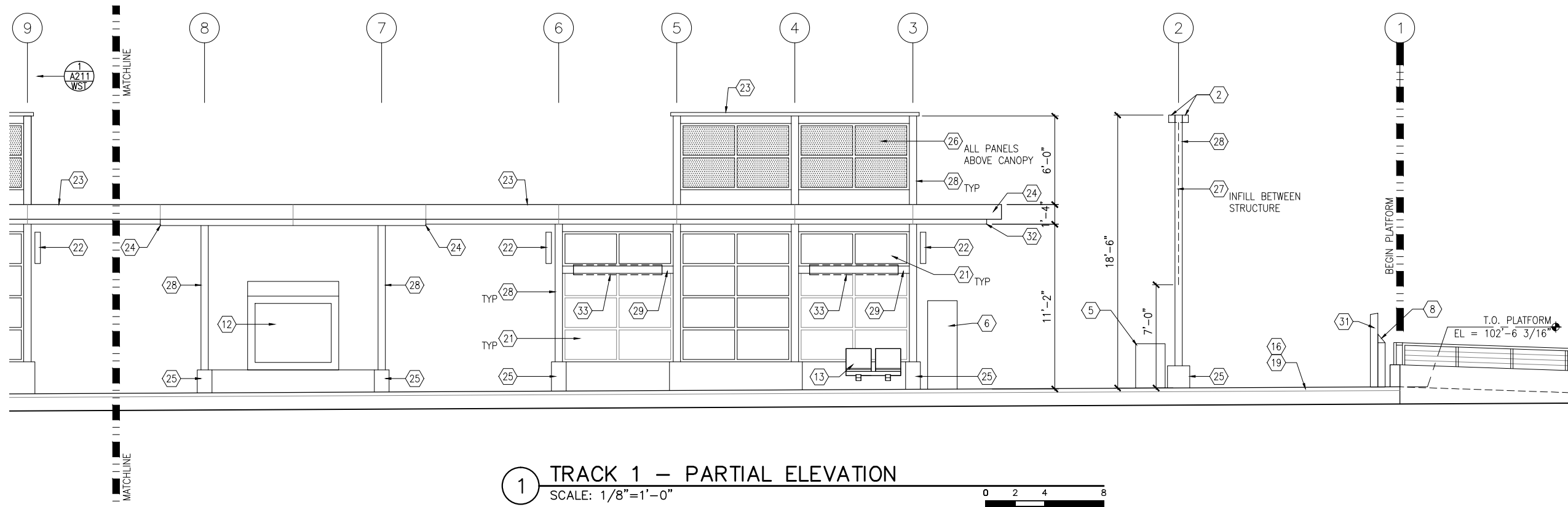
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-ELV-201**

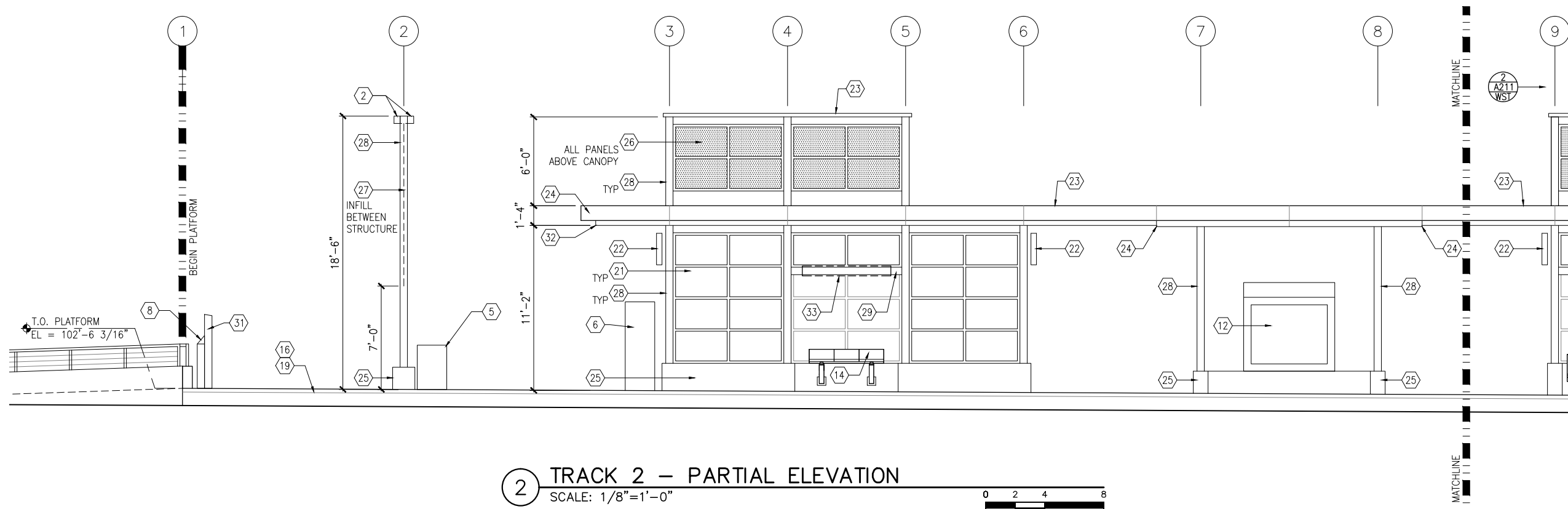
**SHEET  
234  
OF  
319**



Sep. 21 2015 12:41 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-210 .dwg By: V-Mccarr-TP



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



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



## 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

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
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
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 - SEE STRUCT
36. PRE-FINISHED METAL DOWNSPOUT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. RAIN WATER LEADER - SEE PLUMBING
41. NOT USED
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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**



60% SUBMISSION - 09/28/15

**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**WEST PARTIAL ELEVATIONS**

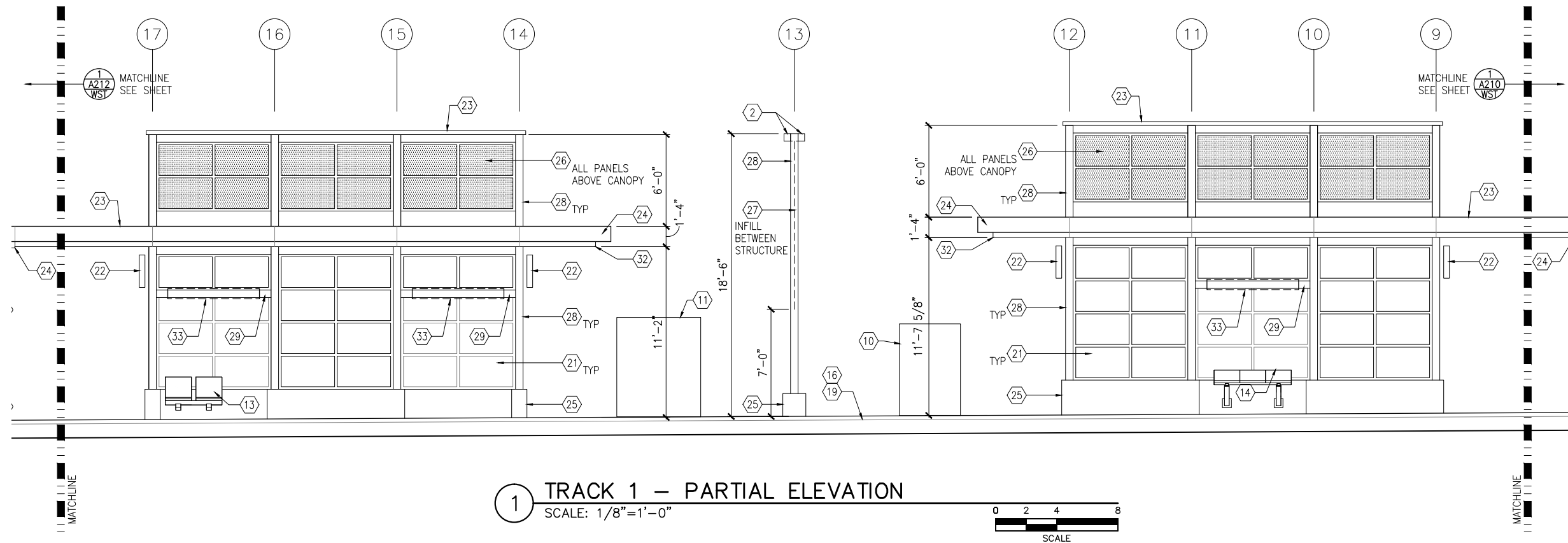
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-ELV-210**

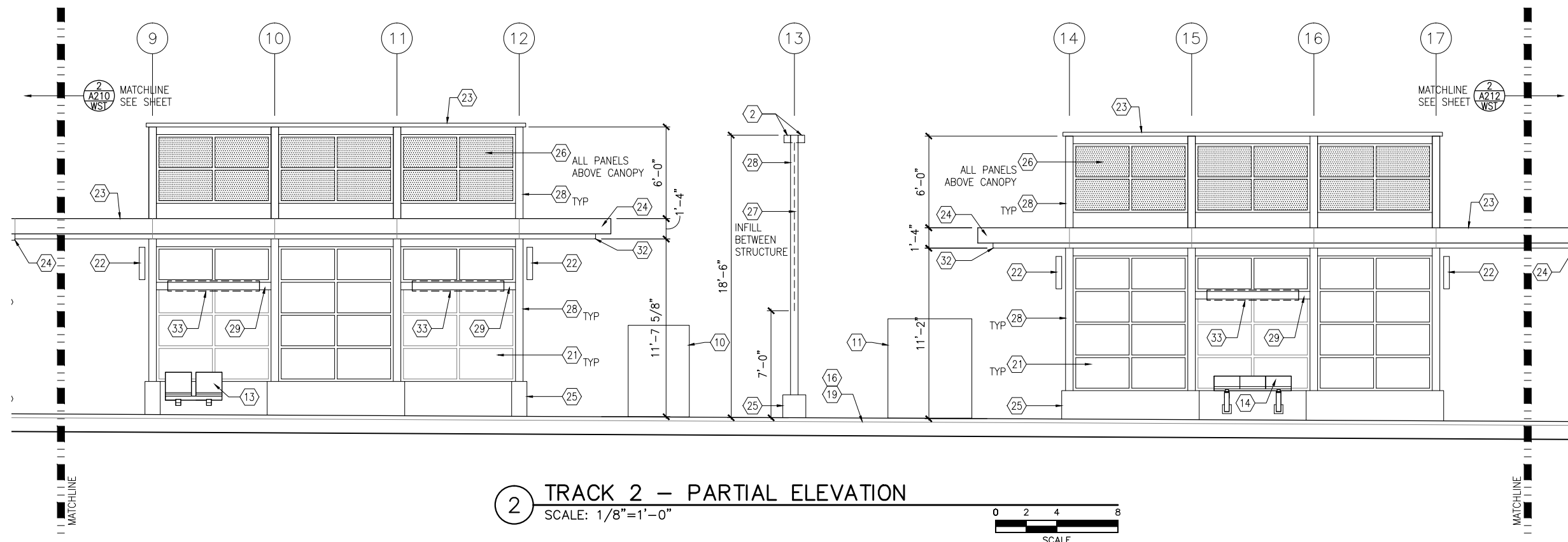
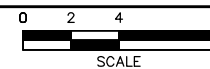
**SHEET**  
**235**  
**OF**  
**319**



Sep. 21 2015 12:42 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-211.dwg By: V-McCartTP



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



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



## 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

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
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
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 - SEE STRUCT
36. PRE-FINISHED METAL DOWNSPOUT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. RAIN WATER LEADER - SEE PLUMBING
41. NOT USED
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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**MIDDLE PARTIAL ELEVATIONS**

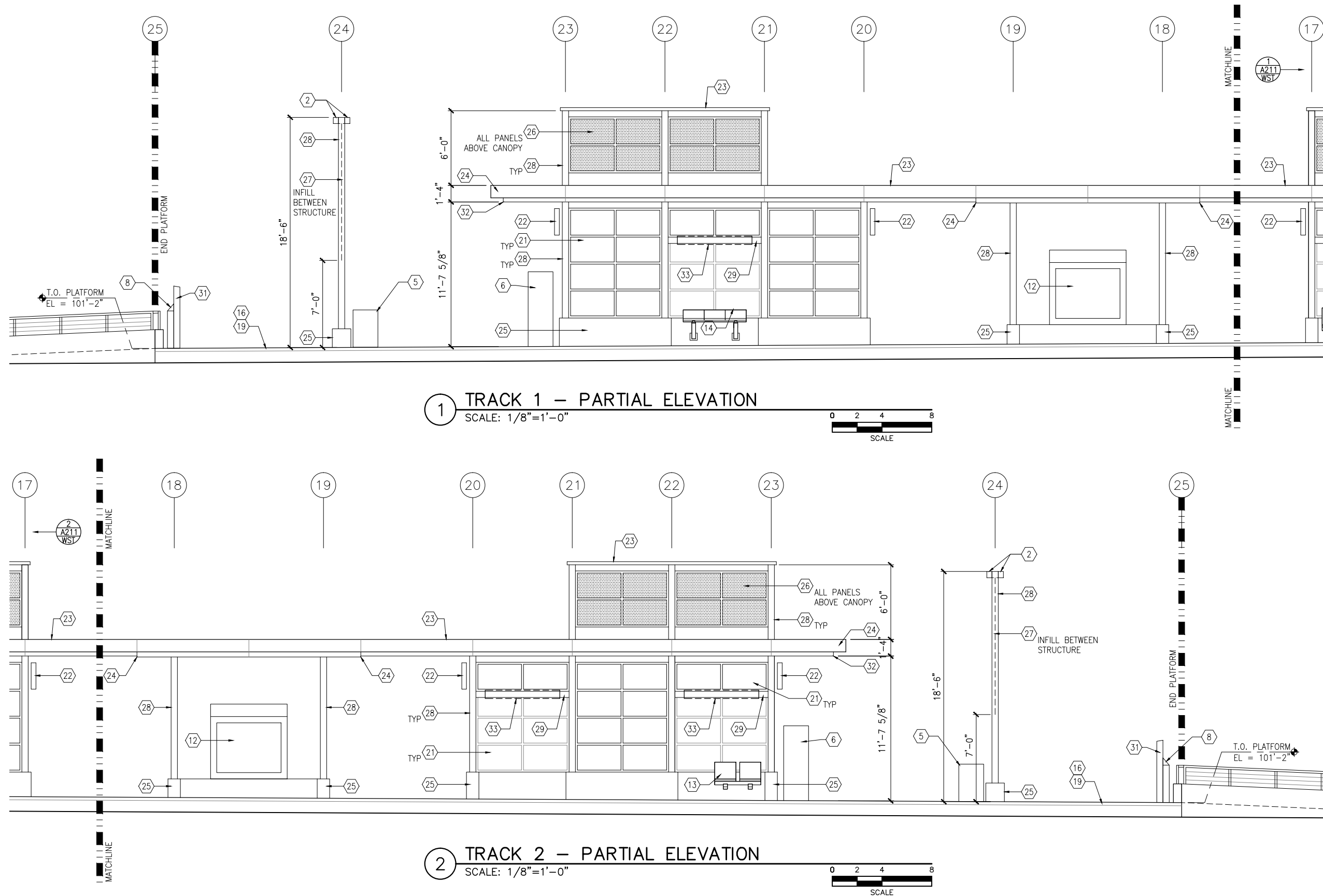
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-ELV-211**

**SHEET**  
**236**  
**OF**  
**319**



Sep. 21 2015 12:42 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-212.dwg By: V-MccarrTP



**GENERAL SHEET NOTES**

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

**KEY NOTES** – #

NOTE: ALL KEYNOTES MAY NOT BE USED

- ENTRY MARKER
- LIGHT MOUNTED TO STRUCTURE
- ACCESS RAMP
- HAND RAIL
- TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
- TICKET VENDING MACHINE
- FUTURE TICKET VENDING MACHINE
- STORED VALUE VALIDATOR
- EMERGENCY CALL BOX
- COMMUNICATION CABINET
- ELECTRICAL CABINET
- INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
- BENCH
- LEANING RAIL
- OVERHEAD CONTACT SYSTEM
- CONCRETE PLATFORM
- CANOPY ABOVE
- SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
- DETECTABLE WARNING AT BOARDING EDGE
- GUARD RAIL AND SAFETY SCREEN
- ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- ROOFING – REFER TO ROOF PLAN FOR ROOFING TYPE
- ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
- CONCRETE WALL
- TRANSLUCENT PLASTIC PANEL
- ARCHITECTURAL WOVEN MESH
- STEEL COLUMN – SEE STRUCTURAL
- STEEL BEAM – SEE STRUCTURAL
- WALL HYDRANT
- RIDER ALERT PANEL
- EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
- STATION SIGNAGE
- LIGHTNING ROD – SEE ELECTRICAL
- PC CONC WALL PANEL – SEE STRUCT
- PRE-FINISHED METAL DOWNSPOUT
- PRE-FIN. METAL SCUPPER
- PRE-FINISHED LOUVER
- LOUVER WITH MOTORIZED DAMPER
- RAIN WATER LEADER – SEE PLUMBING
- NOT USED
- SECONDARY STEEL FRAMING – SEE STRUCTURAL
- DOOR – SEE DOOR SCHEDULE
- PC CONC WALKWAY – SEE STRUCT
- PC CONC STAIR – SEE STRUCT
- PRE-FINISHED METAL GUTTER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15

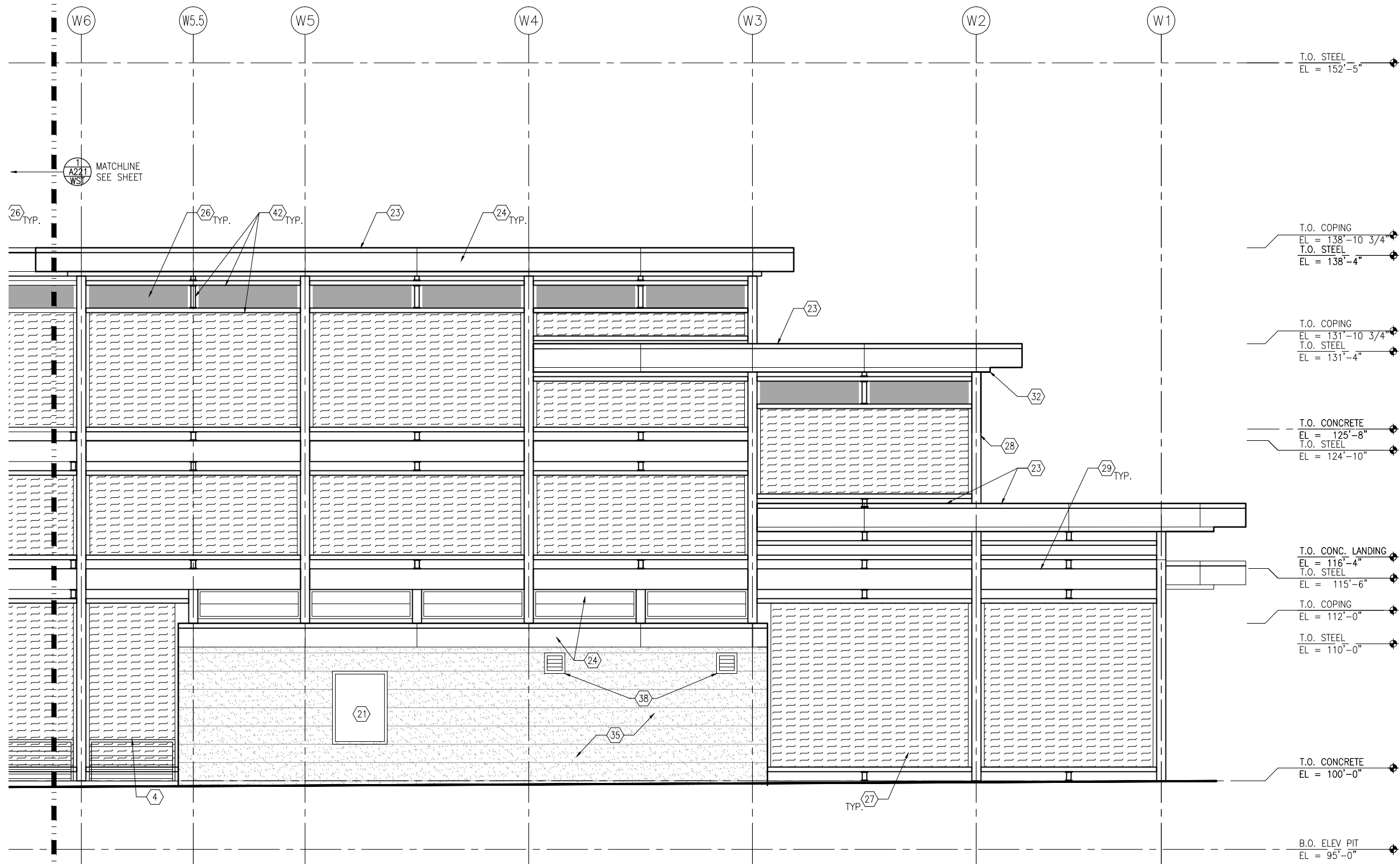


**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**EAST PARTIAL ELEVATIONS**

DISCIPLINE: **ARCHITECTURE**  
SHEET NAME: **E3-WST-ARC-ELV-212**



Sep. 21 2015 12:43 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-220.dwg By: V-MccarrTP



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

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
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
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 - SEE STRUCT
36. PRE-FINISHED METAL DOWNSPOUT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. RAIN WATER LEADER - SEE PLUMBING
41. NOT USED
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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC TRACK 1 - PARTIAL**  
**ELEVATION (WEST)**

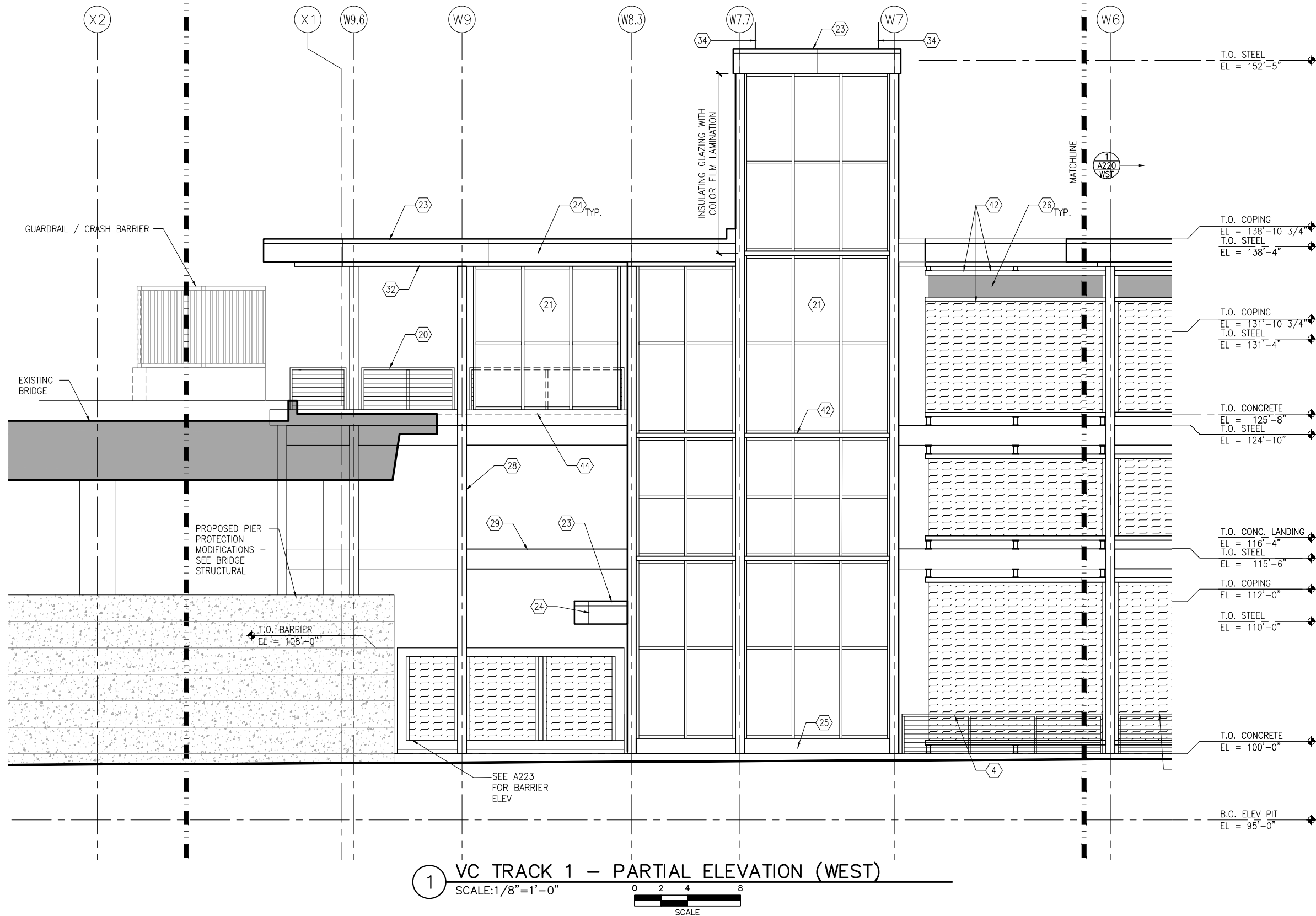
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-ELV-220**

**SHEET**  
**238**  
**OF**  
**319**



Sep. 21 2015 12:44 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-221.dwg By: V-McCorrIP



**GENERAL SHEET NOTES**

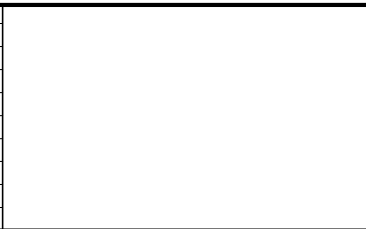
- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

**KEY NOTES** — (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

- ENTRY MARKER
- LIGHT MOUNTED TO STRUCTURE
- ACCESS RAMP
- HAND RAIL
- TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
- TICKET VENDING MACHINE
- FUTURE TICKET VENDING MACHINE
- STORED VALUE VALIDATOR
- EMERGENCY CALL BOX
- COMMUNICATION CABINET
- ELECTRICAL CABINET
- INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
- BENCH
- LEANING RAIL
- OVERHEAD CONTACT SYSTEM
- CONCRETE PLATFORM
- CANOPY ABOVE
- SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
- DETECTABLE WARNING AT BOARDING EDGE
- GUARD RAIL AND SAFETY SCREEN
- ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- ROOFING — REFER TO ROOF PLAN FOR ROOFING TYPE
- ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
- CONCRETE WALL
- TRANSLUCENT PLASTIC PANEL
- ARCHITECTURAL WOVEN MESH
- STEEL COLUMN — SEE STRUCTURAL
- STEEL BEAM — SEE STRUCTURAL
- WALL HYDRANT
- RIDER ALERT PANEL
- EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
- STATION SIGNAGE
- LIGHTNING ROD — SEE ELECTRICAL
- PC CONC WALL PANEL — SEE STRUCT
- PRE-FINISHED METAL DOWNSPOUT
- PRE-FIN. METAL SCUPPER
- PRE-FINISHED LOUVER
- LOUVER WITH MOTORIZED DAMPER
- RAIN WATER LEADER — SEE PLUMBING
- NOT USED
- SECONDARY STEEL FRAMING — SEE STRUCTURAL
- DOOR — SEE DOOR SCHEDULE
- PC CONC WALKWAY — SEE STRUCT
- PC CONC STAIR — SEE STRUCT
- PRE-FINISHED METAL GUTTER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



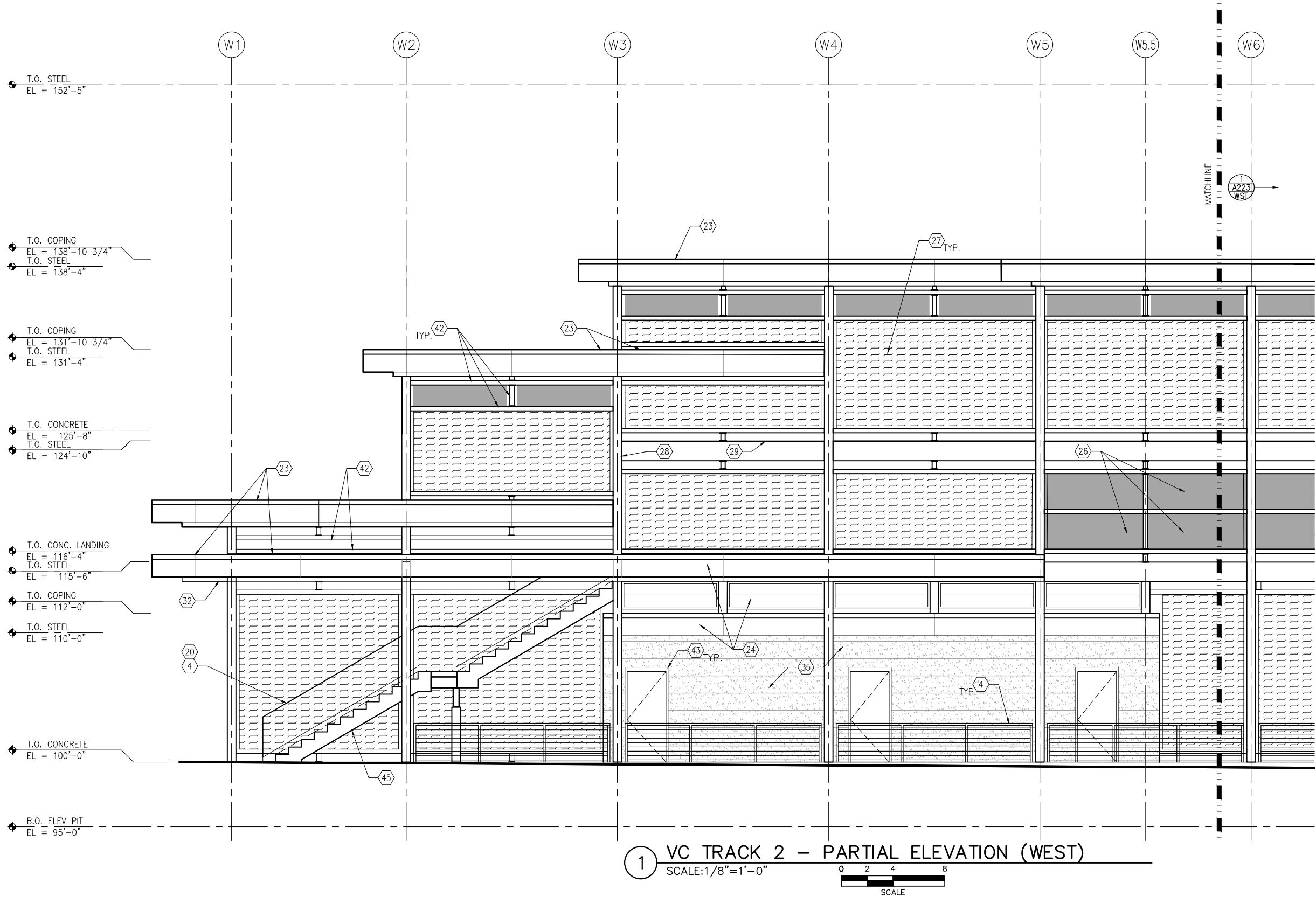
CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
VC TRACK 1 - PARTIAL  
ELEVATION (WEST)

DISCIPLINE: ARCHITECTURE  
SHEET NAME: E3-WST-ARC-ELV-221

SHEET  
239  
OF  
319



Sep. 21 2015 12:45 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-222.dwg By: V-MccarrTP



**GENERAL SHEET NOTES**

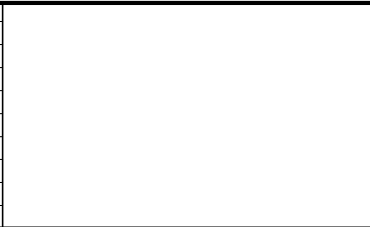
- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

**KEY NOTES** —

NOTE: ALL KEYNOTES MAY NOT BE USED

- ENTRY MARKER
- LIGHT MOUNTED TO STRUCTURE
- ACCESS RAMP
- HAND RAIL
- TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
- TICKET VENDING MACHINE
- FUTURE TICKET VENDING MACHINE
- STORED VALUE VALIDATOR
- EMERGENCY CALL BOX
- COMMUNICATION CABINET
- ELECTRICAL CABINET
- INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
- BENCH
- LEANING RAIL
- OVERHEAD CONTACT SYSTEM
- CONCRETE PLATFORM
- CANOPY ABOVE
- SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
- DETECTABLE WARNING AT BOARDING EDGE
- GUARD RAIL AND SAFETY SCREEN
- ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- ROOFING — REFER TO ROOF PLAN FOR ROOFING TYPE
- ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
- CONCRETE WALL
- TRANSLUCENT PLASTIC PANEL
- ARCHITECTURAL WOVEN MESH
- STEEL COLUMN — SEE STRUCTURAL
- STEEL BEAM — SEE STRUCTURAL
- WALL HYDRANT
- RIDER ALERT PANEL
- EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
- STATION SIGNAGE
- LIGHTNING ROD — SEE ELECTRICAL
- PC CONC WALL PANEL — SEE STRUCT
- PRE-FINISHED METAL DOWNSPOUT
- PRE-FIN. METAL SCUPPER
- PRE-FINISHED LOUVER
- LOUVER WITH MOTORIZED DAMPER
- RAIN WATER LEADER — SEE PLUMBING
- NOT USED
- SECONDARY STEEL FRAMING — SEE STRUCTURAL
- DOOR — SEE DOOR SCHEDULE
- PC CONC WALKWAY — SEE STRUCT
- PC CONC STAIR — SEE STRUCT
- PRE-FINISHED METAL GUTTER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



**AECOM**

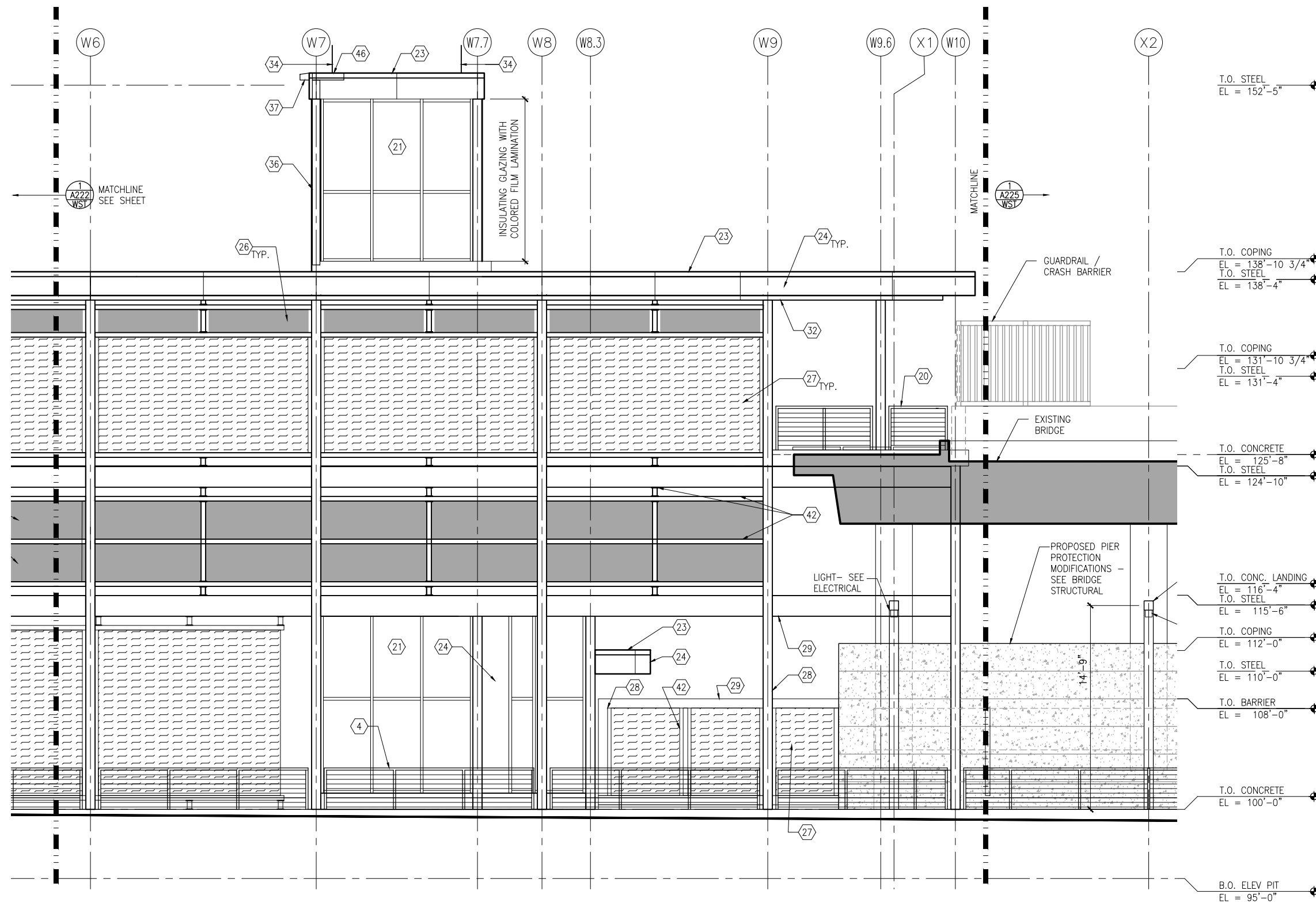
60% SUBMISSION - 09/28/15

**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC TRACK 2 -PARTIAL ELEVATION (WEST)**

DISCIPLINE: **ARCHITECTURE**  
SHEET NAME: **E3-WST-ARC-ELV-222**



Sep. 21 2015 12:46 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-223.dwg By: V-MccarrTP



1 VC TRACK 2 - PARTIAL ELEVATION (WEST)  
SCALE: 1/8" = 1'-0"  
0 2 4 8  
SCALE

## GENERAL SHEET NOTES

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

- ENTRY MARKER
- LIGHT MOUNTED TO STRUCTURE
- ACCESS RAMP
- HAND RAIL
- TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
- TICKET VENDING MACHINE
- FUTURE TICKET VENDING MACHINE
- STORED VALUE VALIDATOR
- EMERGENCY CALL BOX
- COMMUNICATION CABINET
- ELECTRICAL CABINET
- INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
- BENCH
- LEANING RAIL
- OVERHEAD CONTACT SYSTEM
- CONCRETE PLATFORM
- CANOPY ABOVE
- SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
- DETECTABLE WARNING AT BOARDING EDGE
- GUARD RAIL AND SAFETY SCREEN
- ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- ROOFING - REFER TO ROOF PLAN FOR ROOFING TYPE
- ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
- CONCRETE WALL
- TRANSLUCENT PLASTIC PANEL
- ARCHITECTURAL WOVEN MESH
- STEEL COLUMN - SEE STRUCTURAL
- STEEL BEAM - SEE STRUCTURAL
- WALL HYDRANT
- RIDER ALERT PANEL
- EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
- STATION SIGNAGE
- LIGHTNING ROD - SEE ELECTRICAL
- PC CONC WALL PANEL - SEE STRUCT
- PRE-FINISHED METAL DOWNSPOUT
- PRE-FIN. METAL SCUPPER
- PRE-FINISHED LOUVER
- LOUVER WITH MOTORIZED DAMPER
- RAIN WATER LEADER - SEE PLUMBING
- NOT USED
- SECONDARY STEEL FRAMING - SEE STRUCTURAL
- DOOR - SEE DOOR SCHEDULE
- PC CONC WALKWAY - SEE STRUCT
- PC CONC STAIR - SEE STRUCT
- PRE-FINISHED METAL GUTTER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC TRACK 2 - PARTIAL**  
**ELEVATION (WEST)**

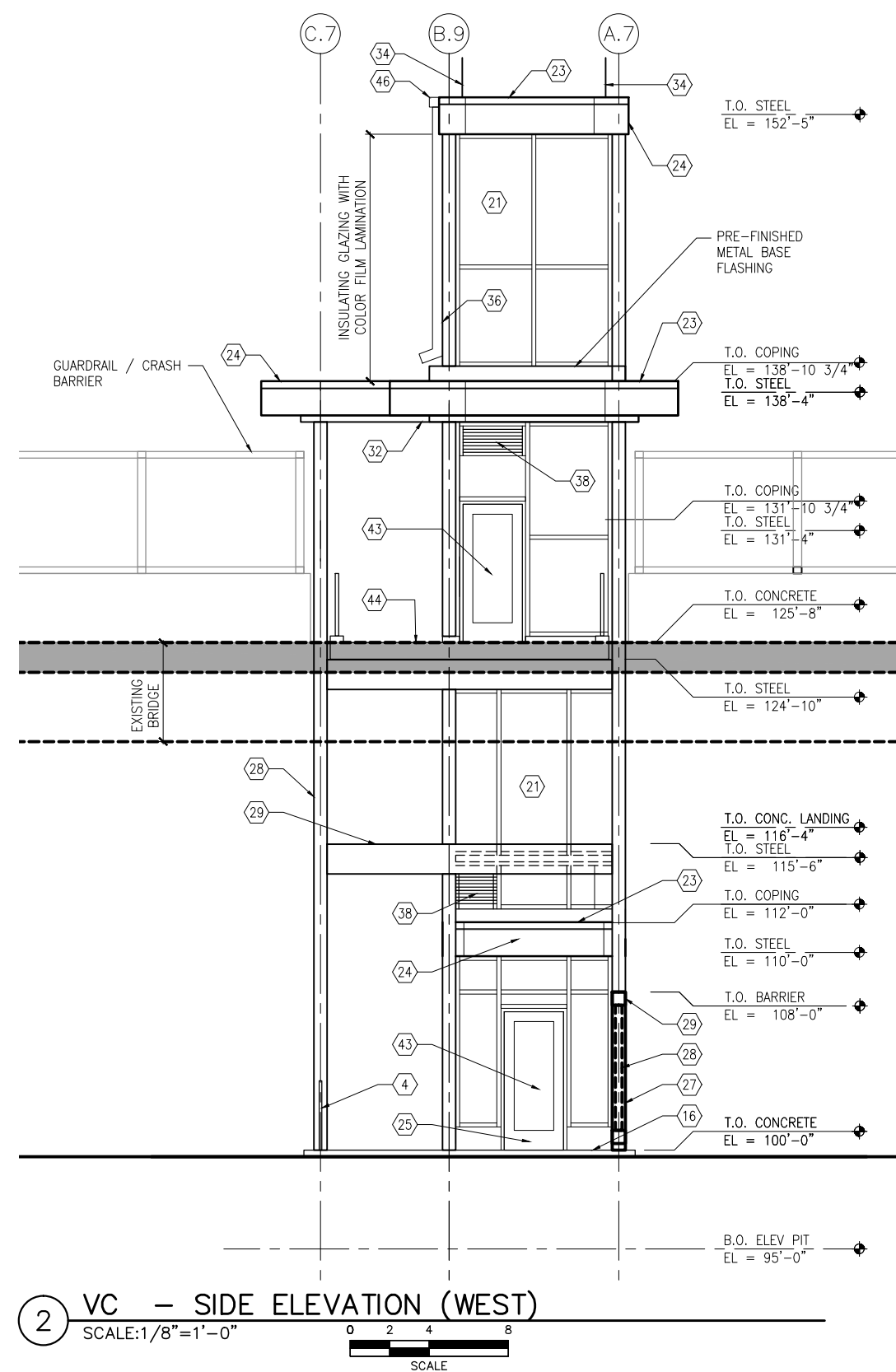
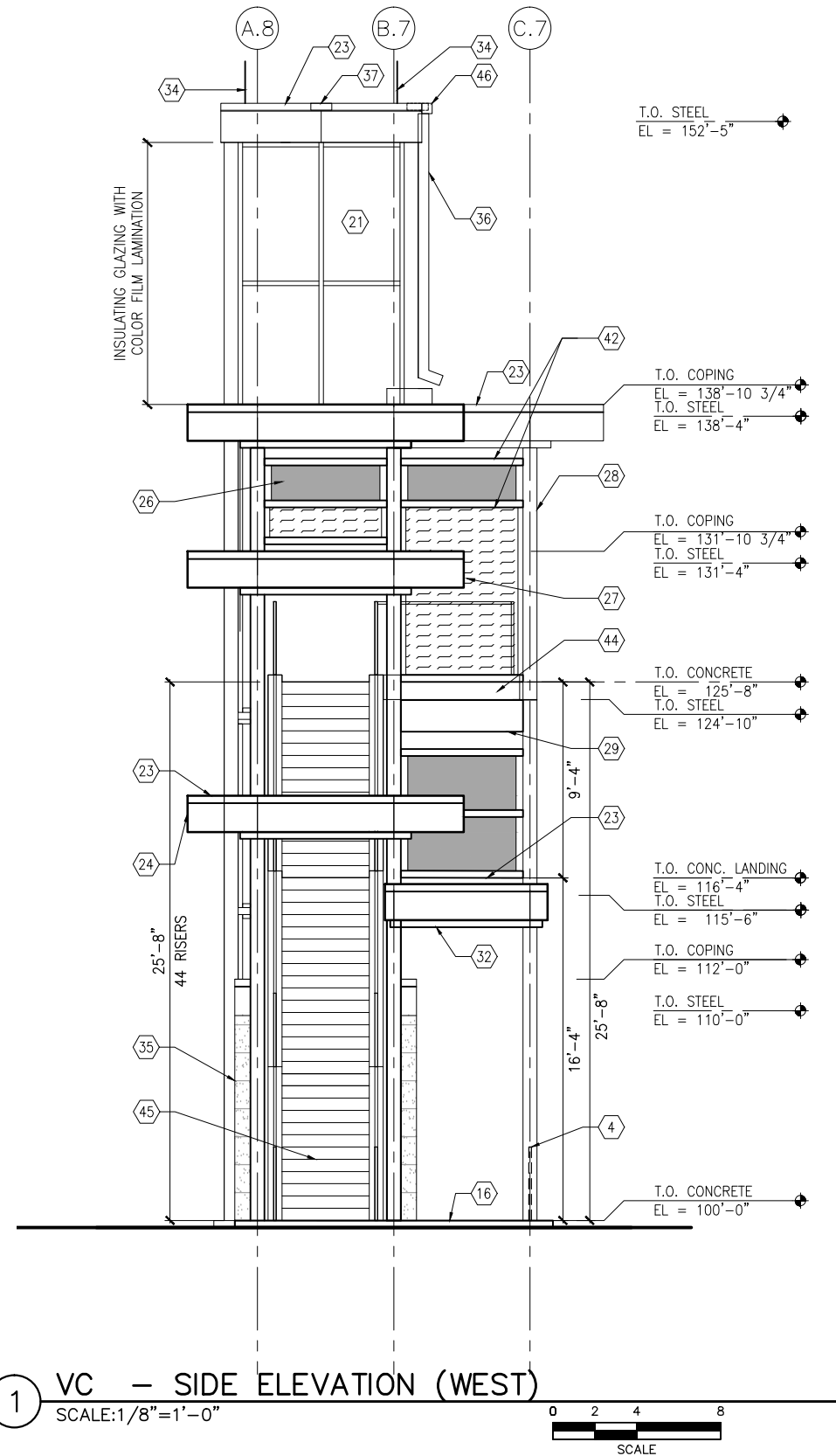
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-ELV-223**

**SHEET**  
**241**  
**OF**  
**319**



Sep. 21 2015 12:48 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-224.dwg By: V-MccarrTP



## 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

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
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
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 - SEE STRUCT
36. PRE-FINISHED METAL DOWNSPOUT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. RAIN WATER LEADER - SEE PLUMBING
41. NOT USED
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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC SIDE ELEVATIONS (WEST)**

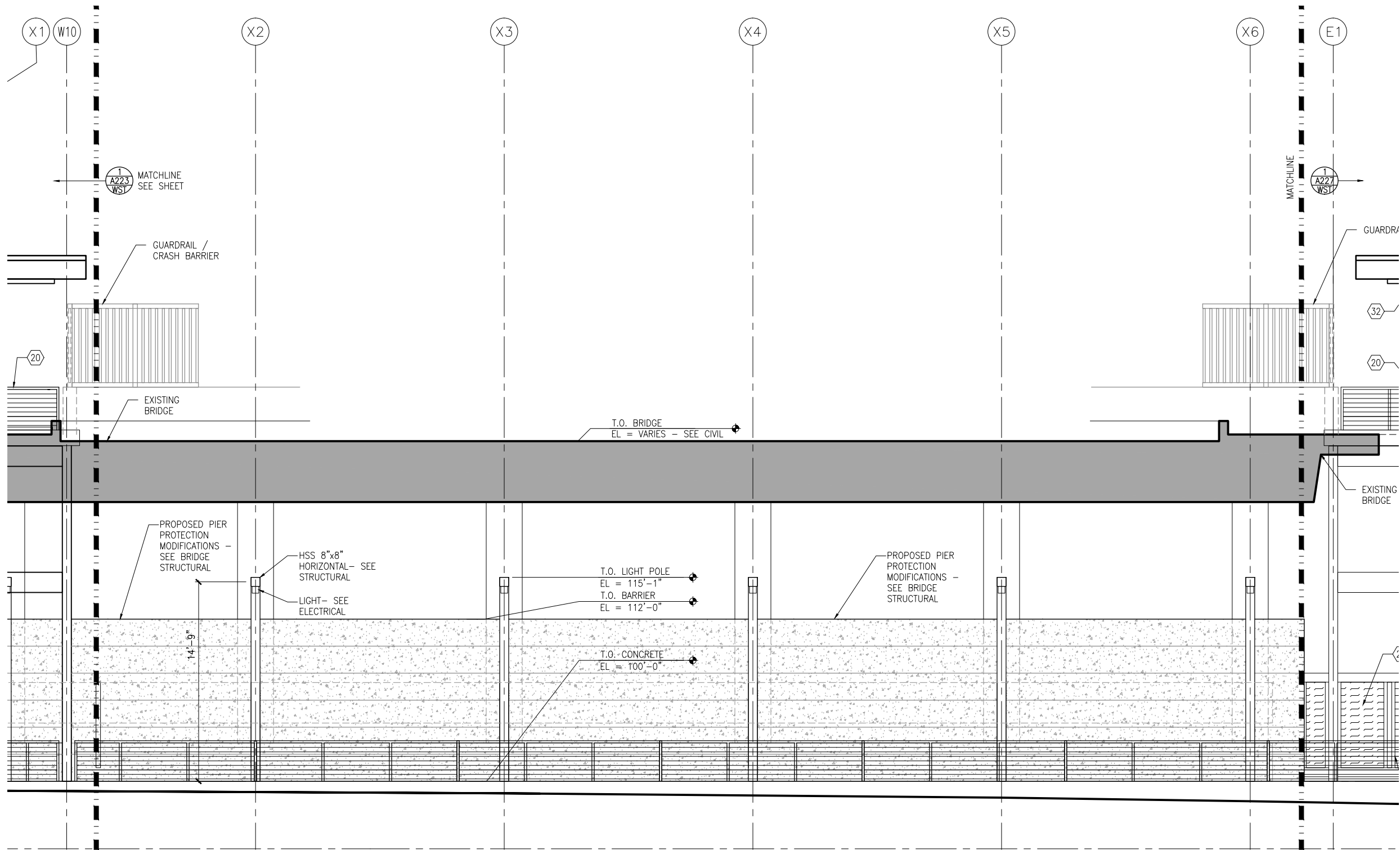
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-ELV-224**

**SHEET**  
**242**  
**OF**  
**319**



Sep. 21 2015 12:49 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-225.dwg By: V-MccarrTP



1 VC TRACK 2 - PARTIAL ELEVATION (EAST)  
SCALE: 1/8" = 1'-0"

### 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

### KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
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
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 - SEE STRUCT
36. PRE-FINISHED METAL DOWNSPOUT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. RAIN WATER LEADER - SEE PLUMBING
41. NOT USED
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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



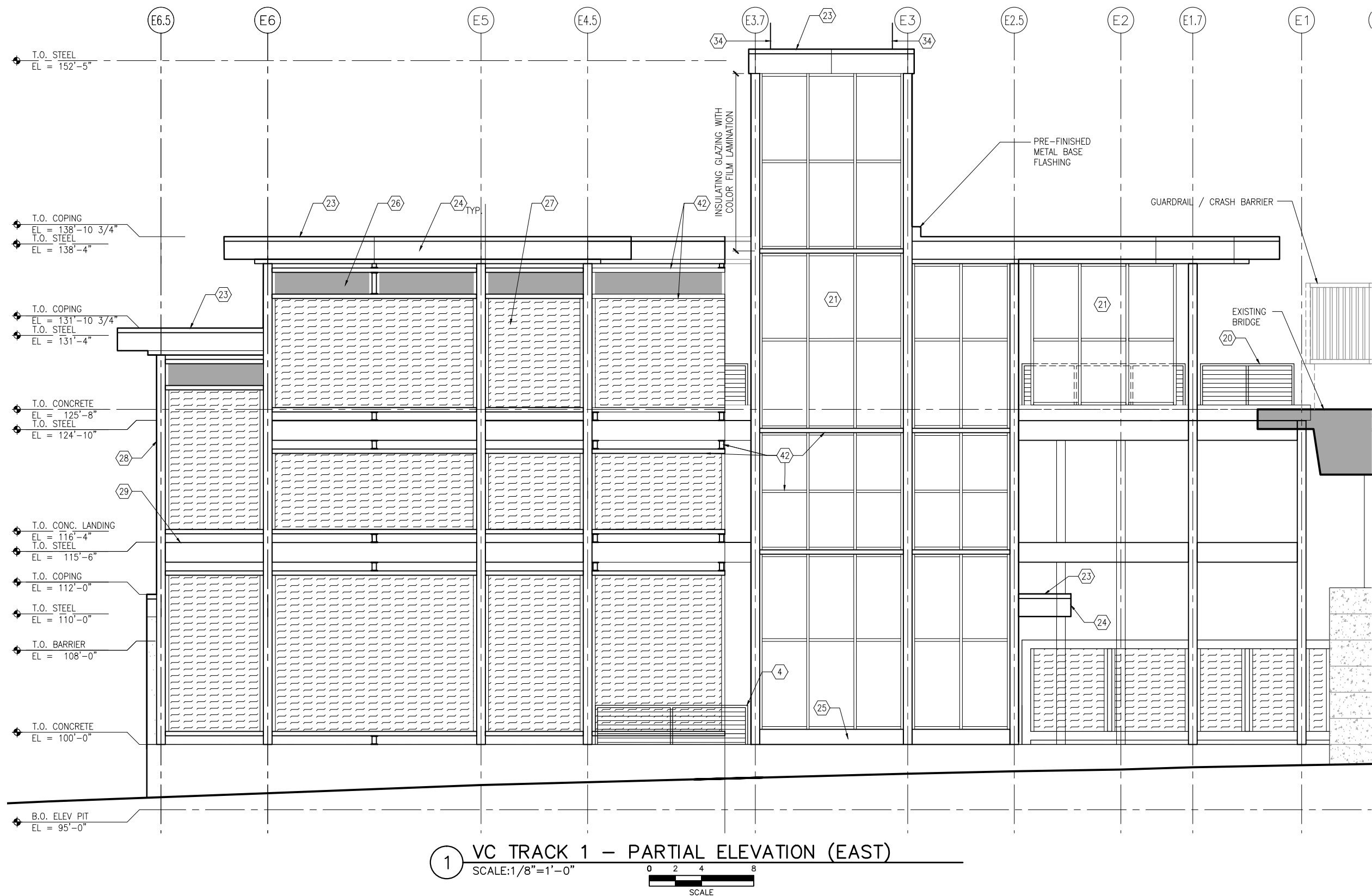
**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC TRACK 2 - PARTIAL**  
**ELEVATION (EAST)**

DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-ELV-225**

**SHEET**  
**243**  
**OF**  
**319**





## 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

## KEY NOTES –

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE,  
BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING  
MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT  
INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS,  
AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING  
EDGE
20. GUARD RAIL AND SAFETY  
SCREEN
21. ALUMINUM STOREFRONT AND  
GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN (FINAL  
LOCATIONS ARE TBD)
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
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 – SEE STRUC
36. PRE-FINISHED METAL DOWNSPOUT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. RAIN WATER LEADER – SEE PLUMBING
41. NOT USED
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

[illegible]**AECOM**

**60% SUBMISSION - 09/28/15**



# SOUTHWEST

Green Line LRT Extension



**CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
VC TRACK 1 - PARTIAL  
ELEVATION (EAST)**

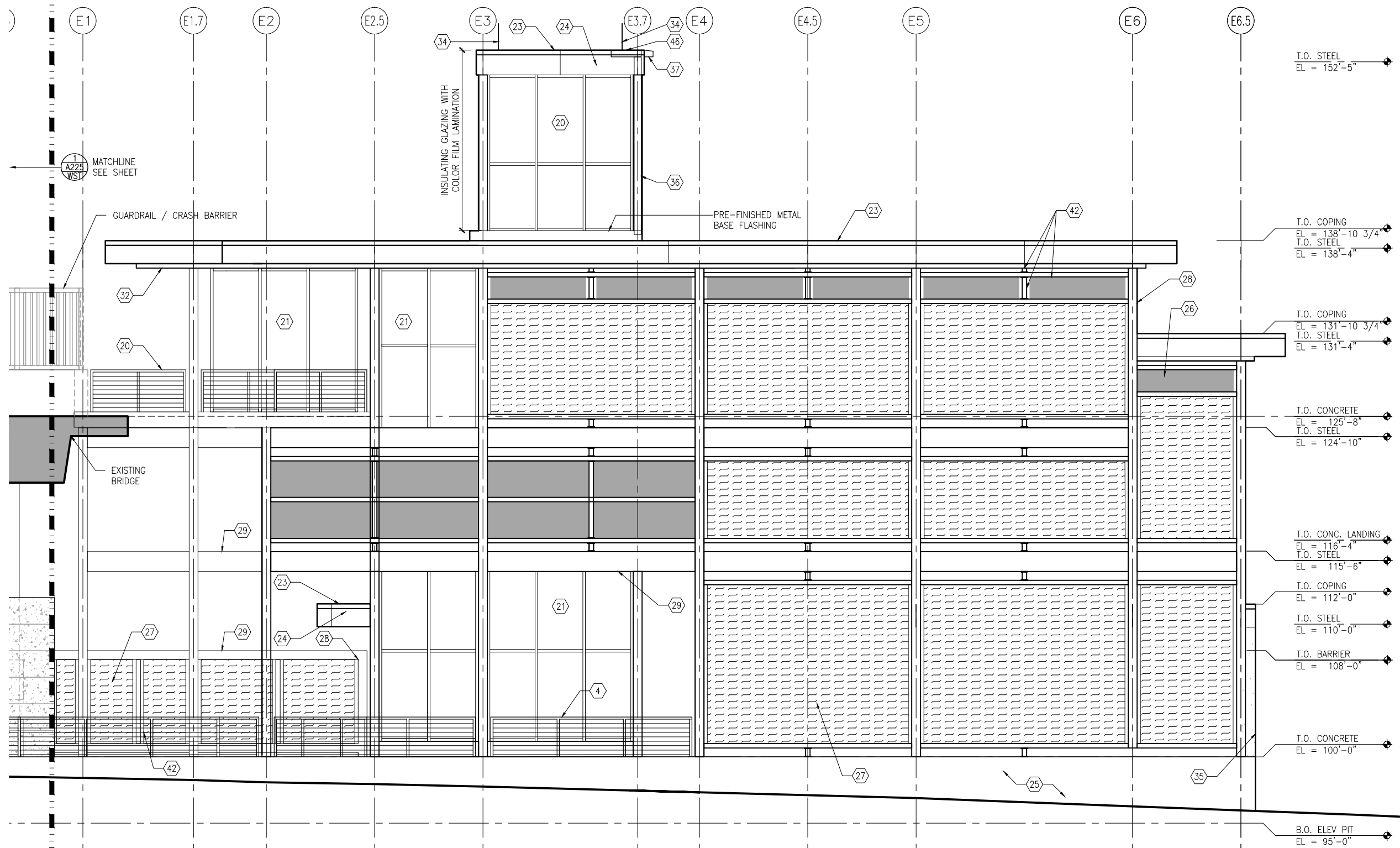
DISCIPLINE: **ARCHITECTURE**

SHEET NAME: E3-WST-ARC-ELV-226

**SHEET**  
**244**  
**OF**  
**319**



Sep. 21 2015 12:51 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-227.dwg By: V-McCorrIP



**GENERAL SHEET NOTES**

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

**KEY NOTES** — (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

- ENTRY MARKER
- LIGHT MOUNTED TO STRUCTURE
- ACCESS RAMP
- HAND RAIL
- TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
- TICKET VENDING MACHINE
- FUTURE TICKET VENDING MACHINE
- STORED VALUE VALIDATOR
- EMERGENCY CALL BOX
- COMMUNICATION CABINET
- ELECTRICAL CABINET
- INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
- BENCH
- LEANING RAIL
- OVERHEAD CONTACT SYSTEM
- CONCRETE PLATFORM
- CANOPY ABOVE
- SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
- DETECTABLE WARNING AT BOARDING EDGE
- GUARD RAIL AND SAFETY SCREEN
- ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- ROOFING — REFER TO ROOF PLAN FOR ROOFING TYPE
- ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
- CONCRETE WALL
- TRANSLUCENT PLASTIC PANEL
- ARCHITECTURAL WOVEN MESH
- STEEL COLUMN — SEE STRUCTURAL
- STEEL BEAM — SEE STRUCTURAL
- WALL HYDRANT
- RIDER ALERT PANEL
- EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
- STATION SIGNAGE
- LIGHTNING ROD — SEE ELECTRICAL
- PC CONC WALL PANEL — SEE STRUCT
- PRE-FINISHED METAL DOWNSPOUT
- PRE-FIN. METAL SCUPPER
- PRE-FINISHED LOUVER
- LOUVER WITH MOTORIZED DAMPER
- RAIN WATER LEADER — SEE PLUMBING
- NOT USED
- SECONDARY STEEL FRAMING — SEE STRUCTURAL
- DOOR — SEE DOOR SCHEDULE
- PC CONC WALKWAY — SEE STRUCT
- PC CONC STAIR — SEE STRUCT
- PRE-FINISHED METAL GUTTER

1 VC TRACK 2 — PARTIAL ELEVATION (EAST)  
SCALE: 1/8" = 1'-0"  
0 2 4 8  
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15

**METROPOLITAN**  
COUNCIL

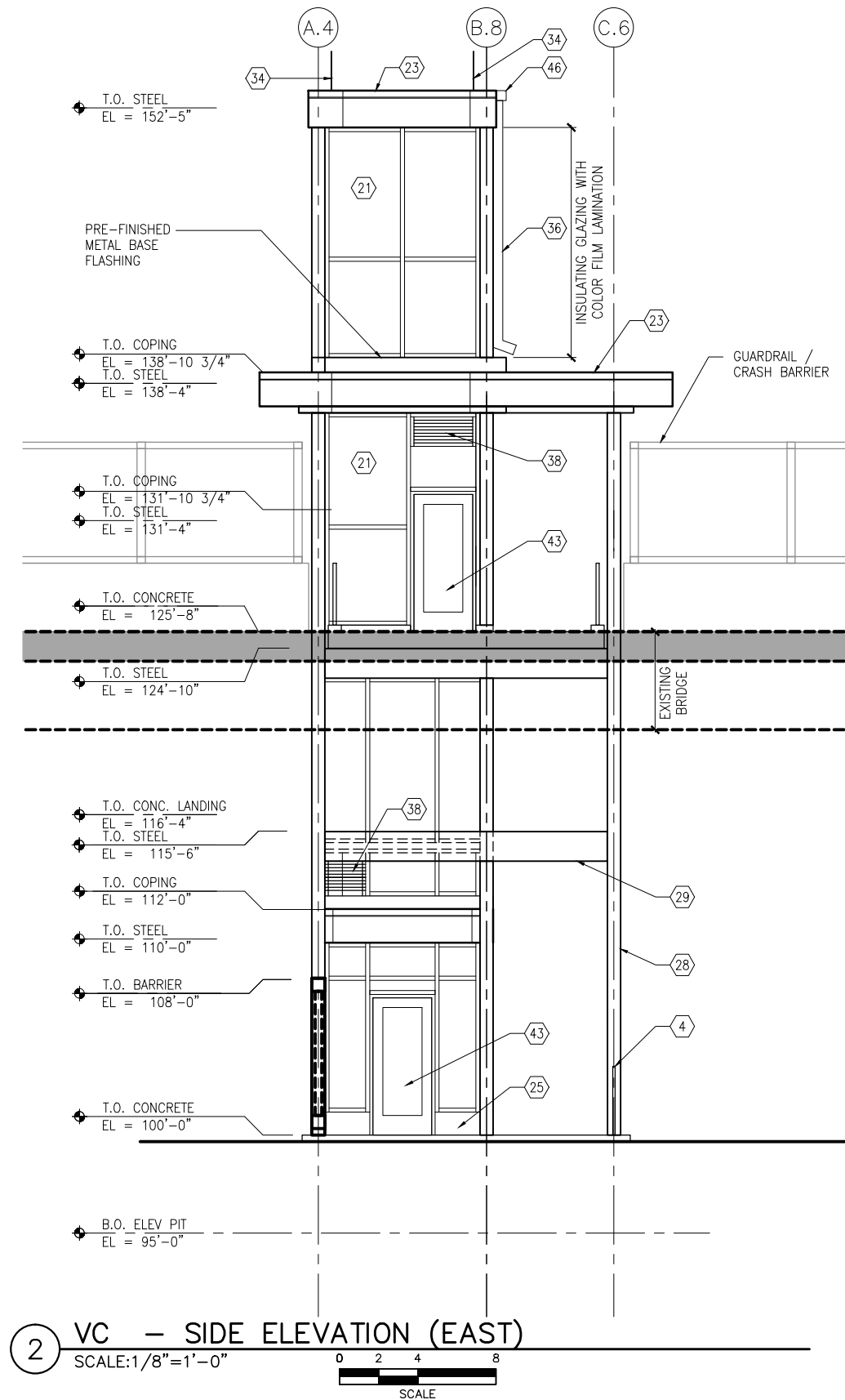
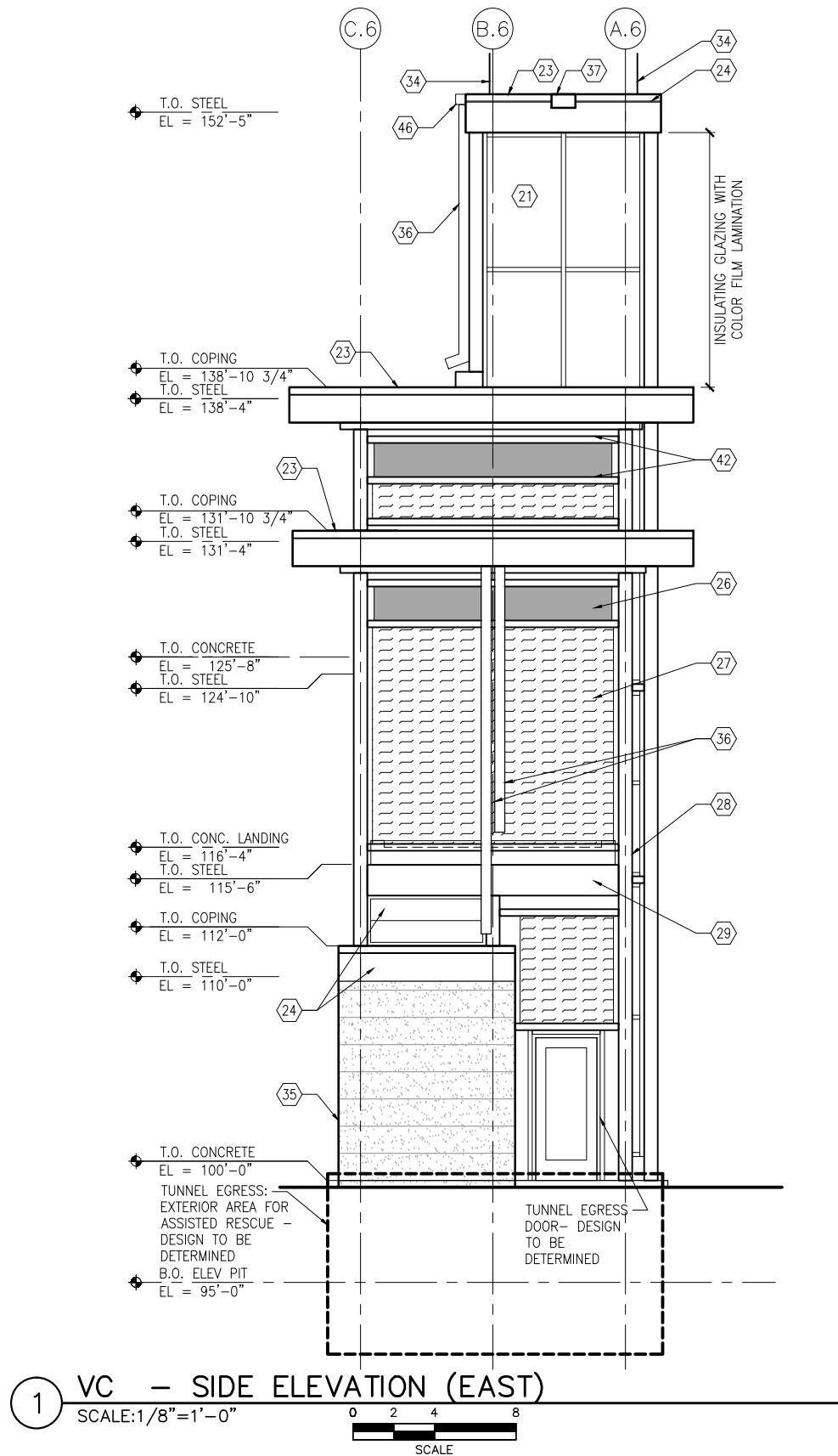
**SOUTHWEST**  
Green Line LRT Extension

**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC TRACK 2 - PARTIAL**  
**ELEVATION (EAST)**

DISCIPLINE: **ARCHITECTURE**  
SHEET NAME: **E3-WST-ARC-ELV-227**



Sep. 21 2015 12:52 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-ELV-228.dwg By: V-MccarrTP



## 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

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. ENTRY MARKER
2. LIGHT MOUNTED TO STRUCTURE
3. ACCESS RAMP
4. HAND RAIL
5. TRASH/RECYCLING RECEPTACLE, BLAST CONTROLLING TYPE
6. TICKET VENDING MACHINE
7. FUTURE TICKET VENDING MACHINE
8. STORED VALUE VALIDATOR
9. EMERGENCY CALL BOX
10. COMMUNICATION CABINET
11. ELECTRICAL CABINET
12. INFORMATION KIOSK WITH TRANSIT INFO AND ADVERTISING
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. CANOPY ABOVE
18. SHELTER: WINDSCREEN, LIGHTS, AND INFRARED HEATERS
19. DETECTABLE WARNING AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
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
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 - SEE STRUCT
36. PRE-FINISHED METAL DOWNSPOUT
37. PRE-FIN. METAL SCUPPER
38. PRE-FINISHED LOUVER
39. LOUVER WITH MOTORIZED DAMPER
40. RAIN WATER LEADER - SEE PLUMBING
41. NOT USED
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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC SIDE ELEVATIONS (EAST)**

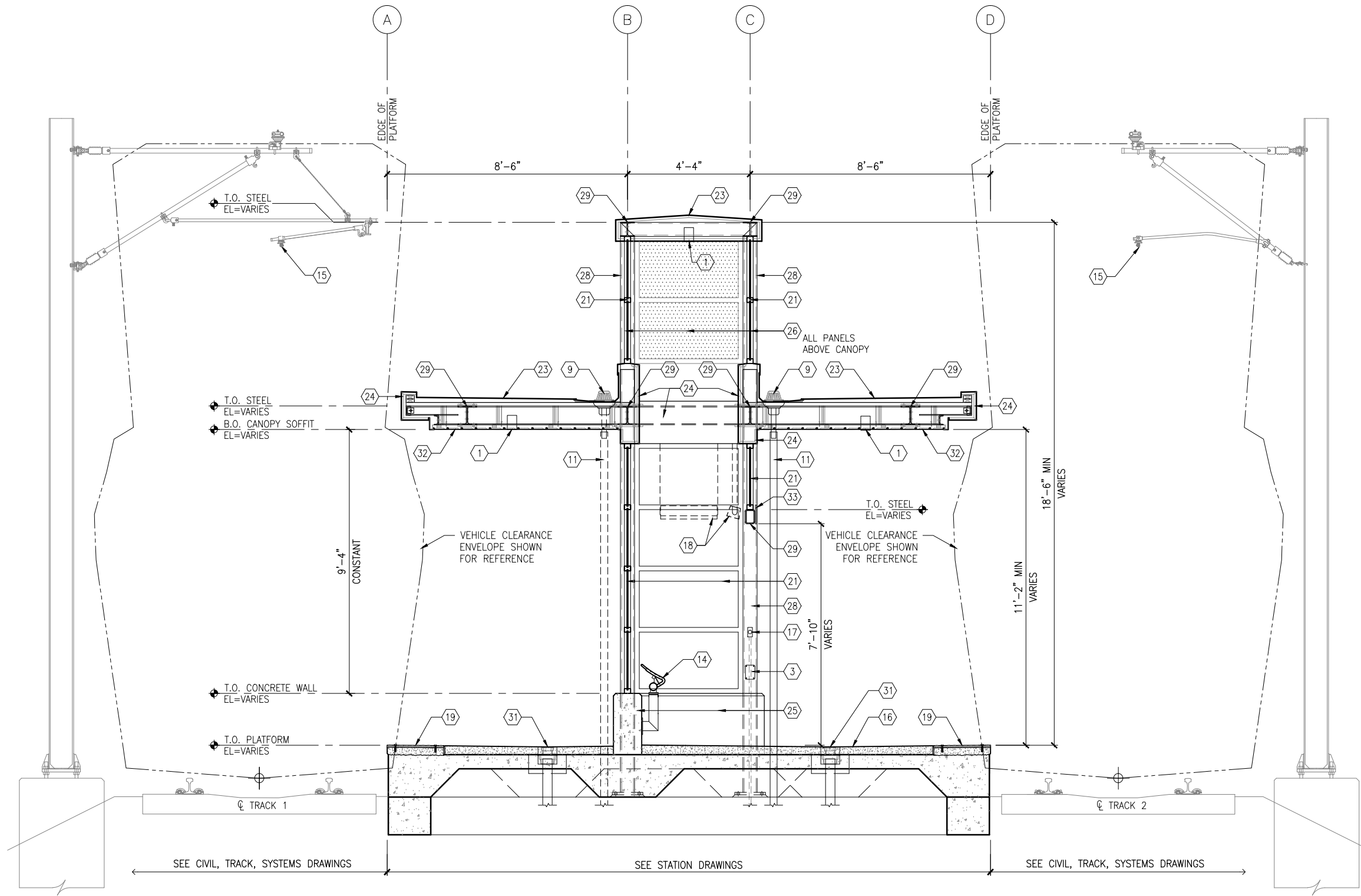
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-ELV-228**

**SHEET**  
**246**  
**OF**  
**319**



Sep. 21 2015 12:53 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-SCT-300.dwg By: V-MccarrTP



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



## 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

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

1. LIGHT RECESSED IN SOFFIT
2. LIGHT MOUNTED TO STRUCTURE
3. HAND HOLE IN STEEL STRUCTURE
4. HAND RAIL
5. SECURITY CAMERA
6. TICKET VENDING MACHINE
7. EMERGENCY TELEPHONE LIGHT
8. EMERGENCY CALL BOX
9. ROOF DRAIN
10. PRE-FINISHED METAL GUTTER
11. PRE-FINISHED METAL DOWNSPOUT
12. PRE-FINISHED METAL SCUPPER
13. BENCH
14. LEANING RAIL
15. OVERHEAD CONTACT SYSTEM
16. CONCRETE PLATFORM
17. HEATER PUSH BUTTON CONTROLS
18. INFRARED HEATER
19. DETECTABLE WARNING PAVER AT BOARDING EDGE
20. GUARD RAIL AND SAFETY SCREEN
21. ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
22. VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
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
31. AREA DRAIN
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

## LEGEND

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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**TYPICAL PLATFORM SECTION**

DISCIPLINE: **ARCHITECTURE**

SHEET NAME: **E3-WST-ARC-SCT-300**

**SHEET**  
**247**  
**OF**  
**319**



[illegible]

60% SUBMISSION - 09/28/15



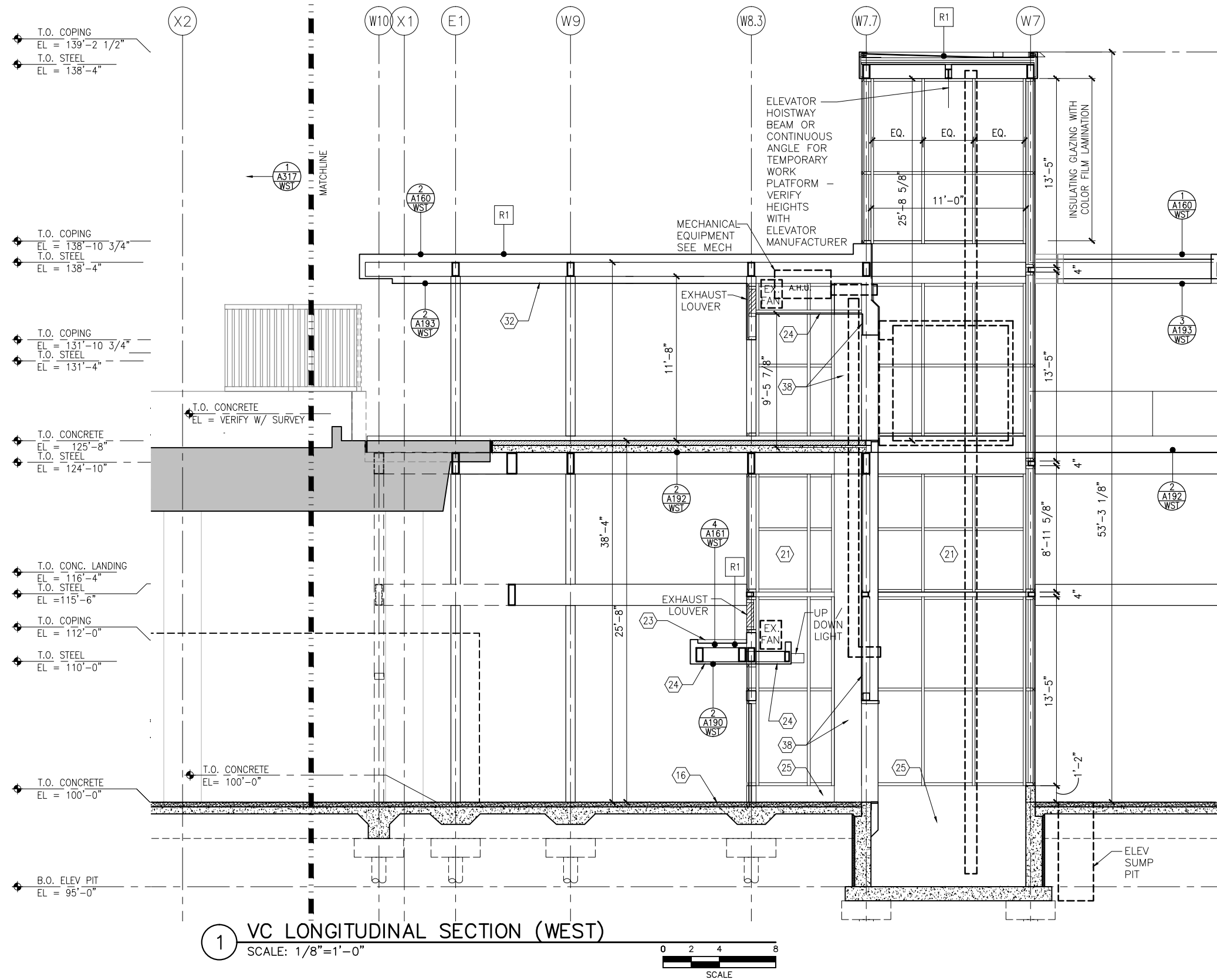
**CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
VC LONGITUDINAL SECTION (WEST)**

DISCIPLINE: **ARCHITECTURE**

SHEET NAME:	E3-WST-ARC-SCT-310
-------------	--------------------



Sep. 21 2015 03:47 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-SCT-311.dwg By: V-MccarrTP



**GENERAL SHEET NOTES**

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

**KEY NOTES** - (#)

NOTE: ALL KEYNOTES MAY NOT BE USED

- LIGHT RECESSED IN SOFFIT
- LIGHT MOUNTED TO STRUCTURE
- HAND HOLE IN STEEL STRUCTURE
- HAND RAIL
- SECURITY CAMERA
- TICKET VENDING MACHINE
- EMERGENCY TELEPHONE LIGHT
- EMERGENCY CALL BOX
- ROOF DRAIN
- PRE-FINISHED METAL GUTTER
- PRE-FINISHED METAL DOWNSPOUT
- PRE-FINISHED METAL SCUPPER
- BENCH
- LEANING RAIL
- OVERHEAD CONTACT SYSTEM
- CONCRETE PLATFORM
- HEATER PUSH BUTTON CONTROLS
- INFRARED HEATER
- DETECTABLE WARNING PAVER AT BOARDING EDGE
- GUARD RAIL AND SAFETY SCREEN
- ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- ROOFING - REFER TO ROOF PLAN FOR ROOFING TYPE
- ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
- CONCRETE WALL
- TRANSLUCENT PLASTIC PANEL
- ARCHITECTURAL WOVEN MESH
- STEEL COLUMN - SEE STRUCTURAL
- STEEL BEAM - SEE STRUCTURAL
- WALL HYDRANT
- AREA DRAIN
- EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
- STATION SIGNAGE
- PC CONC WALKWAY - SEE STRUCT
- PC CONC STAIR - SEE STRUCT
- PC CONC WALL PANEL
- SECONDARY STEEL FRAMING - SEE STRUCTURAL
- COMPOSITE ALUM PANEL

**LEGEND**

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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15

**METROPOLITAN COUNCIL**

**SOUTHWEST**  
Green Line LRT Extension

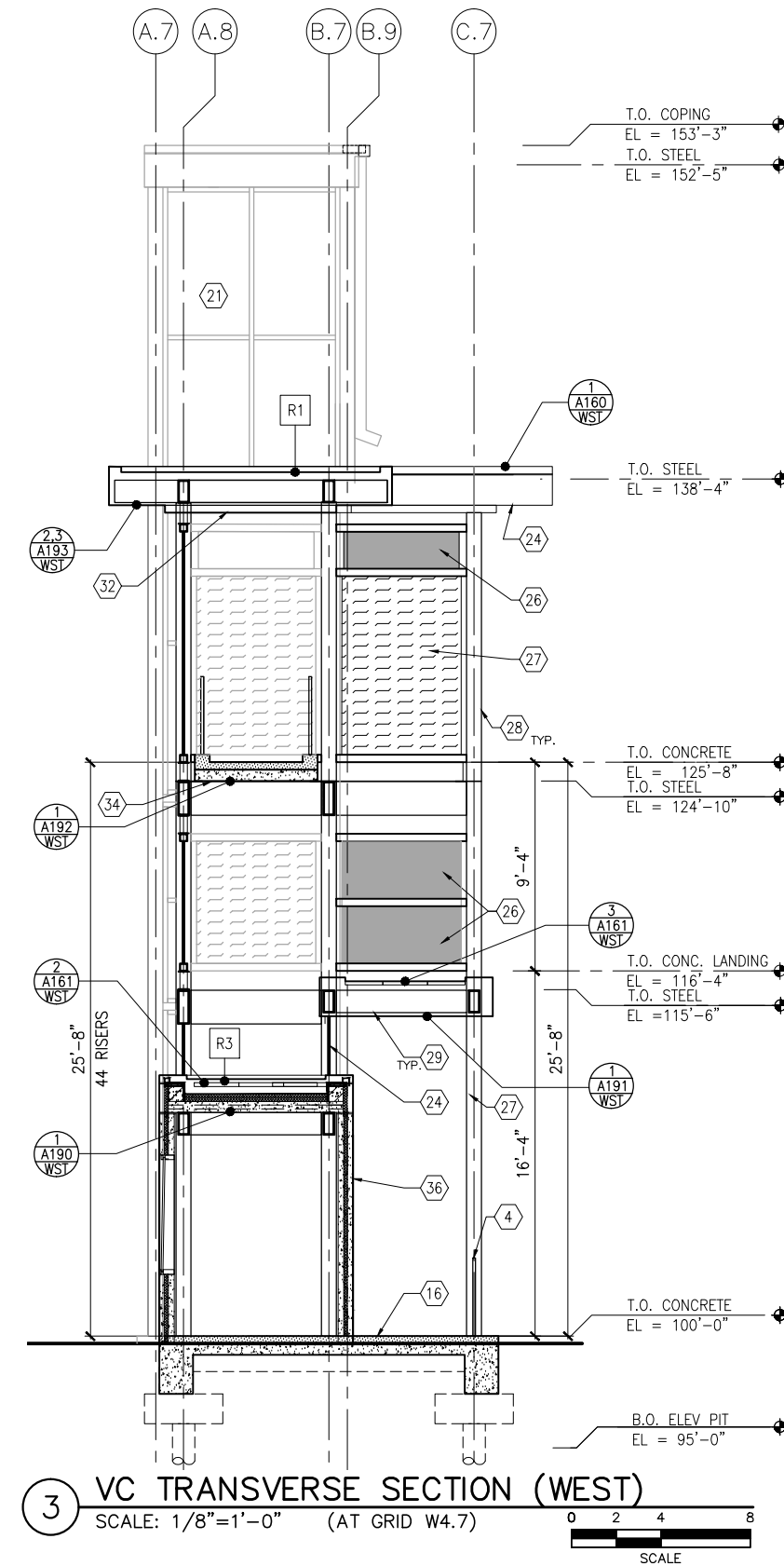
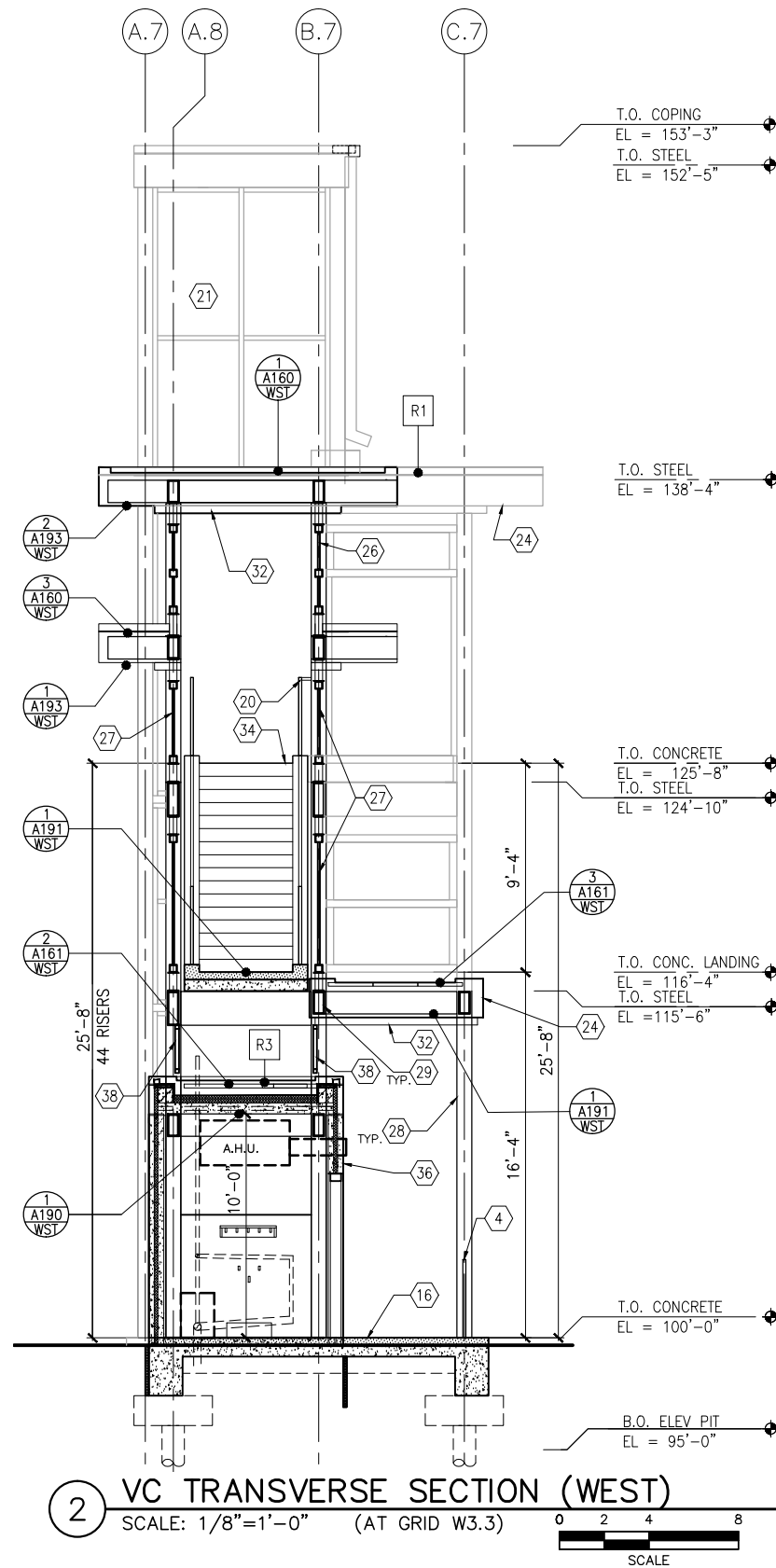
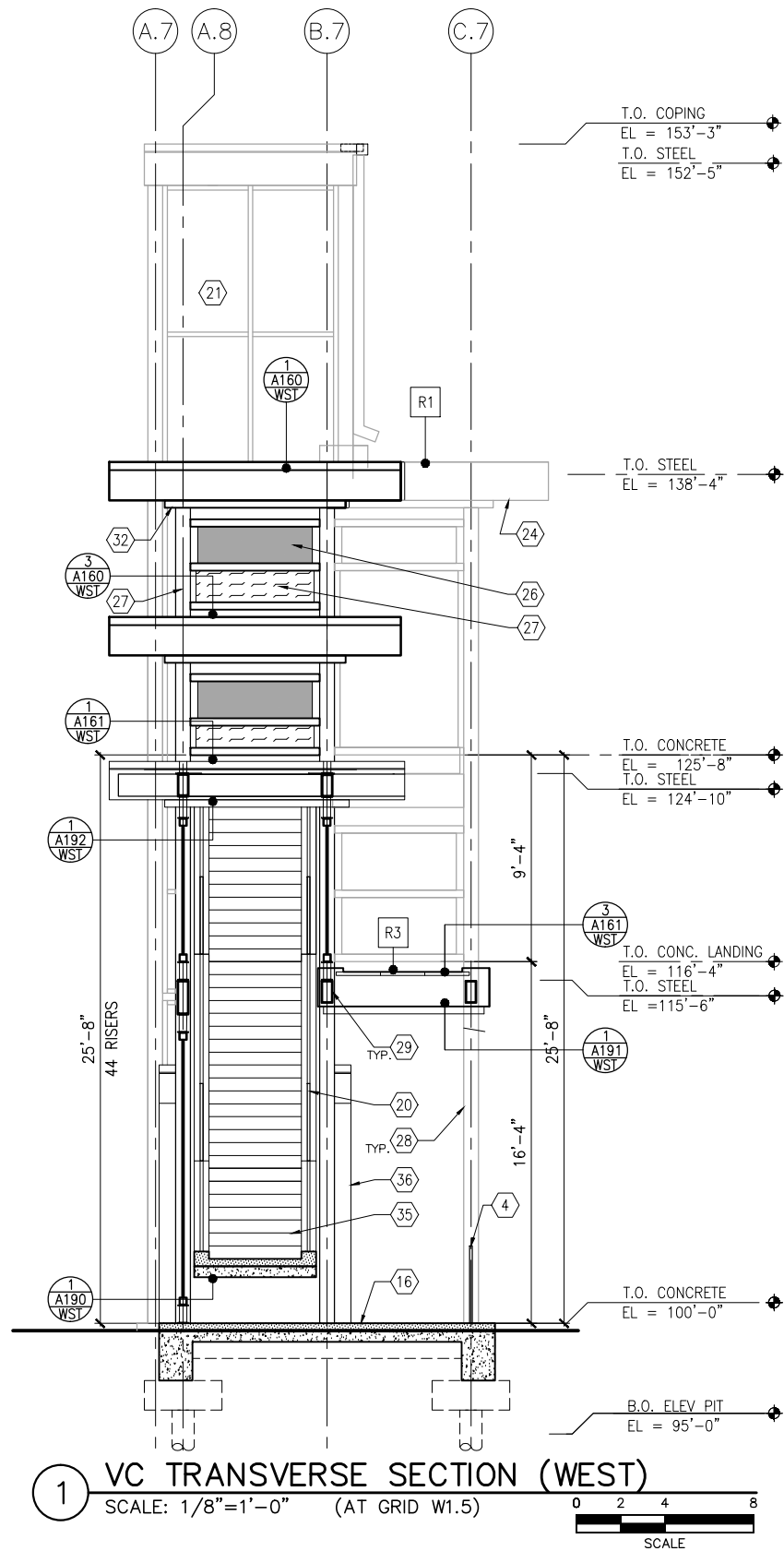
**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC LONGITUDINAL SECTION (WEST)**

DISCIPLINE: **ARCHITECTURE**  
SHEET NAME: **E3-WST-ARC-SCT-311**

**SHEET**  
249  
OF  
319



Sep. 21 2015 12:54 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-SCT-312.dwg By: V-MccarrTP



## GENERAL SHEET NOTES

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

- LIGHT RECESSED IN SOFFIT
- LIGHT MOUNTED TO STRUCTURE
- HAND HOLE IN STEEL STRUCTURE
- HAND RAIL
- SECURITY CAMERA
- TICKET VENDING MACHINE
- EMERGENCY TELEPHONE LIGHT
- EMERGENCY CALL BOX
- ROOF DRAIN
- PRE-FINISHED METAL GUTTER
- PRE-FINISHED METAL DOWNSPOUT
- PRE-FINISHED METAL SCUPPER
- BENCH
- LEANING RAIL
- OVERHEAD CONTACT SYSTEM
- CONCRETE PLATFORM
- HEATER PUSH BUTTON CONTROLS
- INFRARED HEATER
- DETECTABLE WARNING PAVER AT BOARDING EDGE
- GUARD RAIL AND SAFETY SCREEN
- ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- ROOFING - REFER TO ROOF PLAN FOR ROOFING TYPE
- ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
- CONCRETE WALL
- TRANSLUCENT PLASTIC PANEL
- ARCHITECTURAL WOVEN MESH
- STEEL COLUMN - SEE STRUCTURAL
- STEEL BEAM - SEE STRUCTURAL
- WALL HYDRANT
- AREA DRAIN
- EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
- STATION SIGNAGE
- PC CONC WALKWAY - SEE STRUCT
- PC CONC STAIR - SEE STRUCT
- PC CONC WALL PANEL
- SECONDARY STEEL FRAMING - SEE STRUCTURAL
- COMPOSITE ALUM PANEL

## LEGEND

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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**



60% SUBMISSION - 09/28/15

**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC SECTIONS (WEST)**

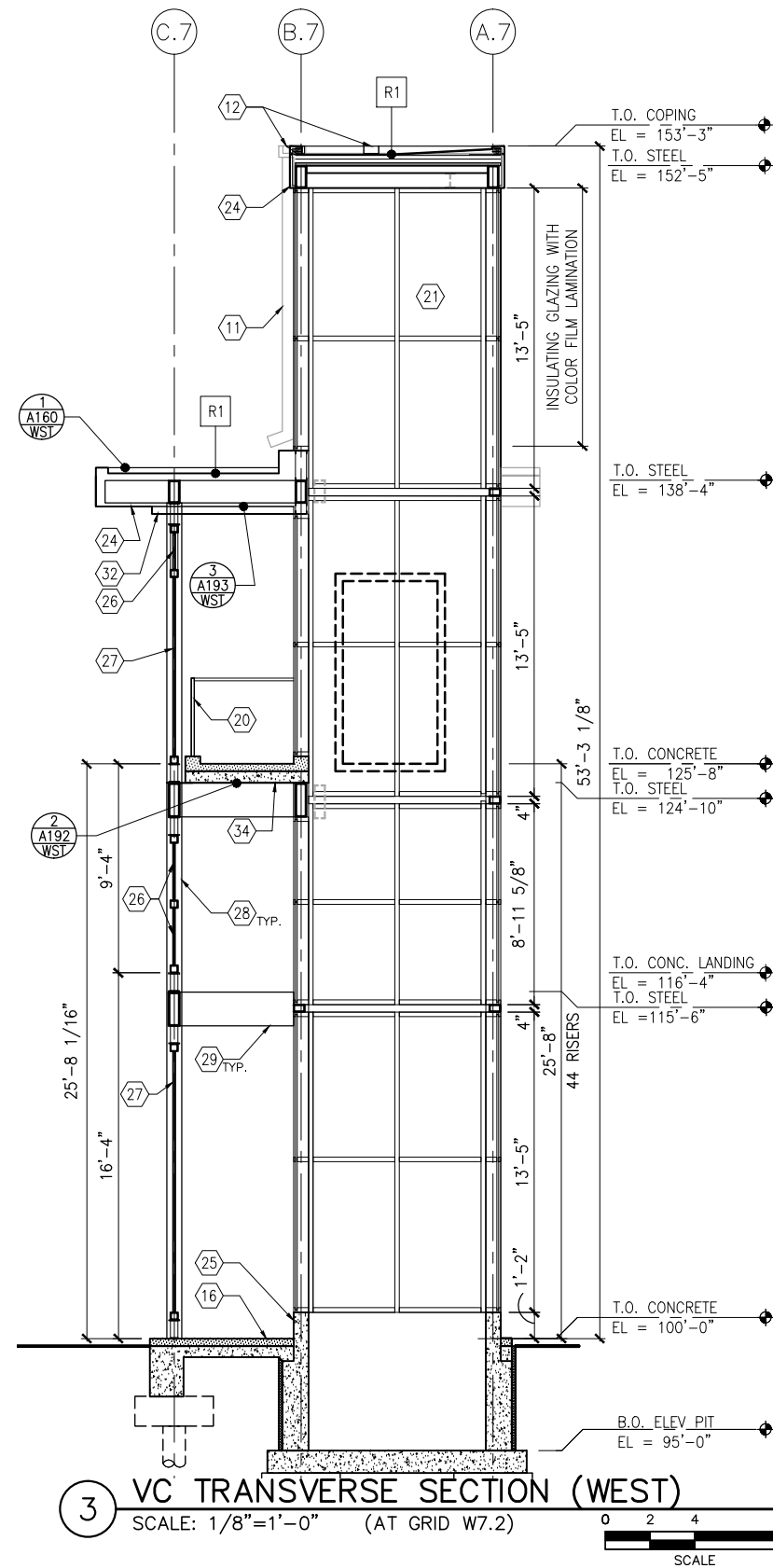
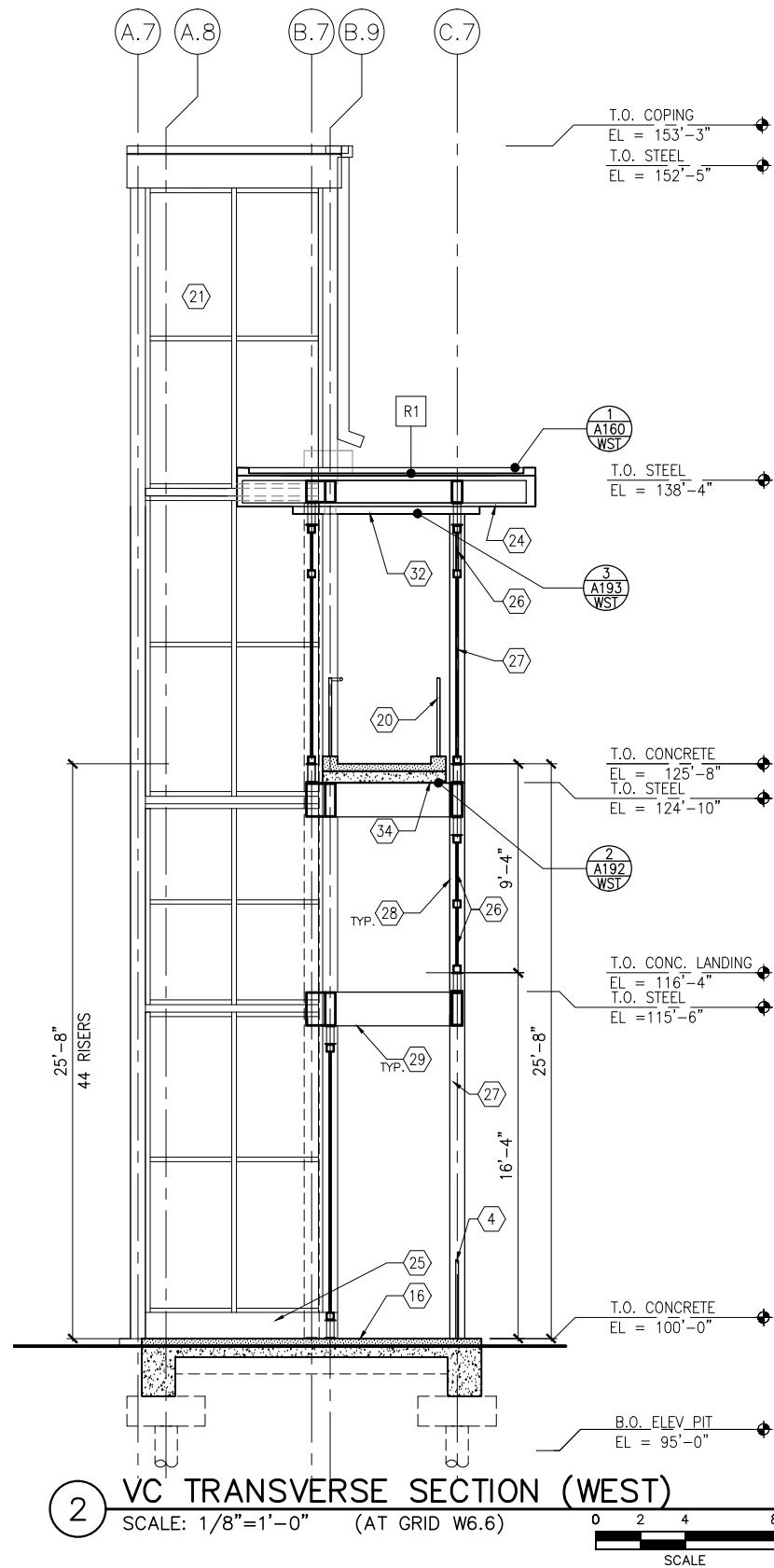
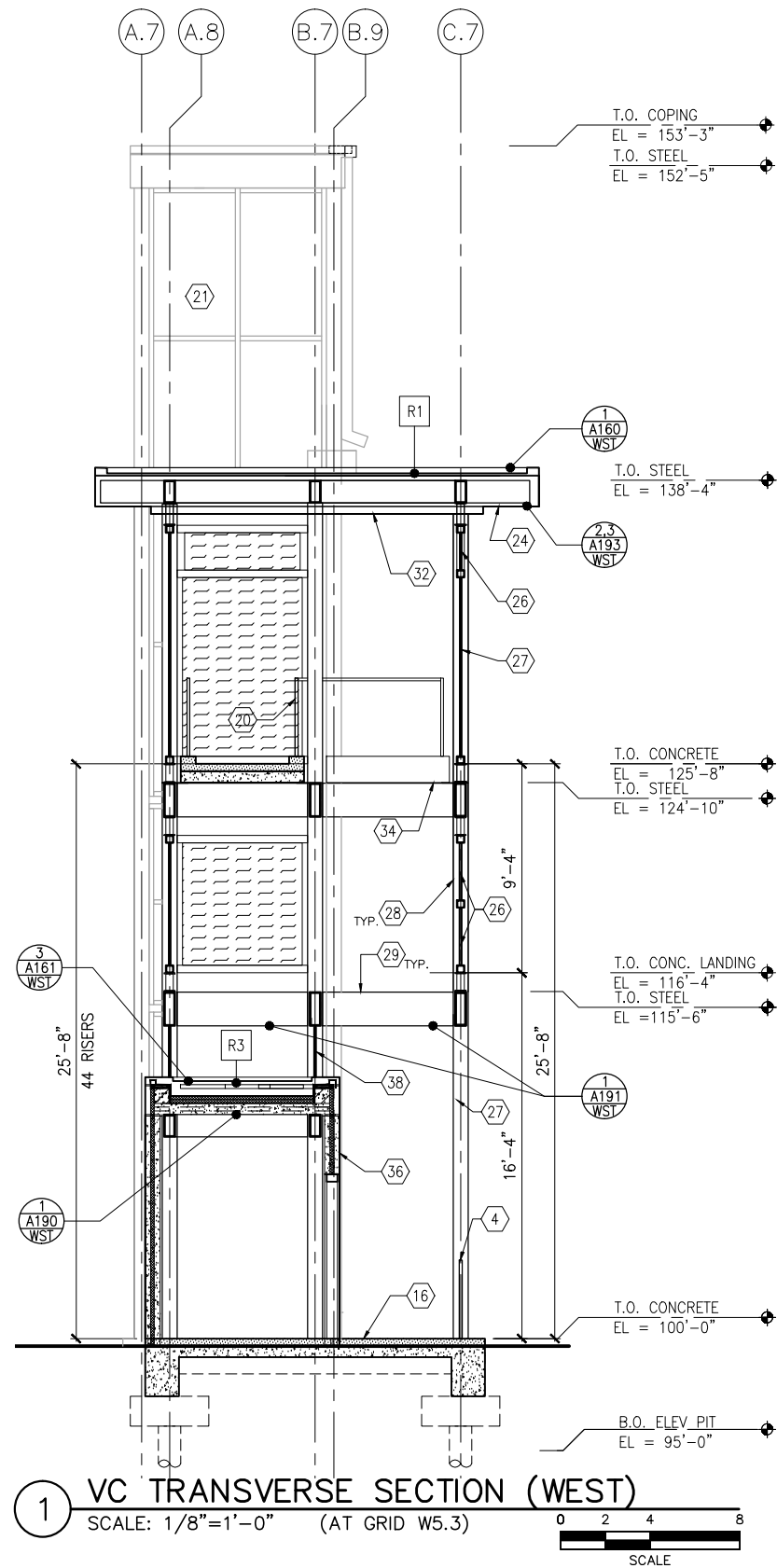
DISCIPLINE: **ARCHITECTURE**

SHEET NAME: **E3-WST-ARC-SCT-312**

**SHEET**  
**250**  
**OF**  
**319**



Sep. 21 2015 03:23 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-SCT-313.dwg By: V-MccarrTP



## GENERAL SHEET NOTES

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

- LIGHT RECESSED IN SOFFIT
- LIGHT MOUNTED TO STRUCTURE
- HAND HOLE IN STEEL STRUCTURE
- HAND RAIL
- SECURITY CAMERA
- TICKET VENDING MACHINE
- EMERGENCY TELEPHONE LIGHT
- EMERGENCY CALL BOX
- ROOF DRAIN
- PRE-FINISHED METAL GUTTER
- PRE-FINISHED METAL DOWNSPOUT
- PRE-FINISHED METAL SCUPPER
- BENCH
- LEANING RAIL
- OVERHEAD CONTACT SYSTEM
- CONCRETE PLATFORM
- HEATER PUSH BUTTON CONTROLS
- INFRARED HEATER
- DETECTABLE WARNING PAVER AT BOARDING EDGE
- GUARD RAIL AND SAFETY SCREEN
- ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- ROOFING - REFER TO ROOF PLAN FOR ROOFING TYPE
- ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
- CONCRETE WALL
- TRANSLUCENT PLASTIC PANEL
- ARCHITECTURAL WOVEN MESH
- STEEL COLUMN - SEE STRUCTURAL
- STEEL BEAM - SEE STRUCTURAL
- WALL HYDRANT
- AREA DRAIN
- EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
- STATION SIGNAGE
- PC CONC WALKWAY - SEE STRUCT
- PC CONC STAIR - SEE STRUCT
- PC CONC WALL PANEL
- SECONDARY STEEL FRAMING - SEE STRUCTURAL
- COMPOSITE ALUM PANEL

## LEGEND

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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**



60% SUBMISSION - 09/28/15

**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC SECTIONS (WEST)**

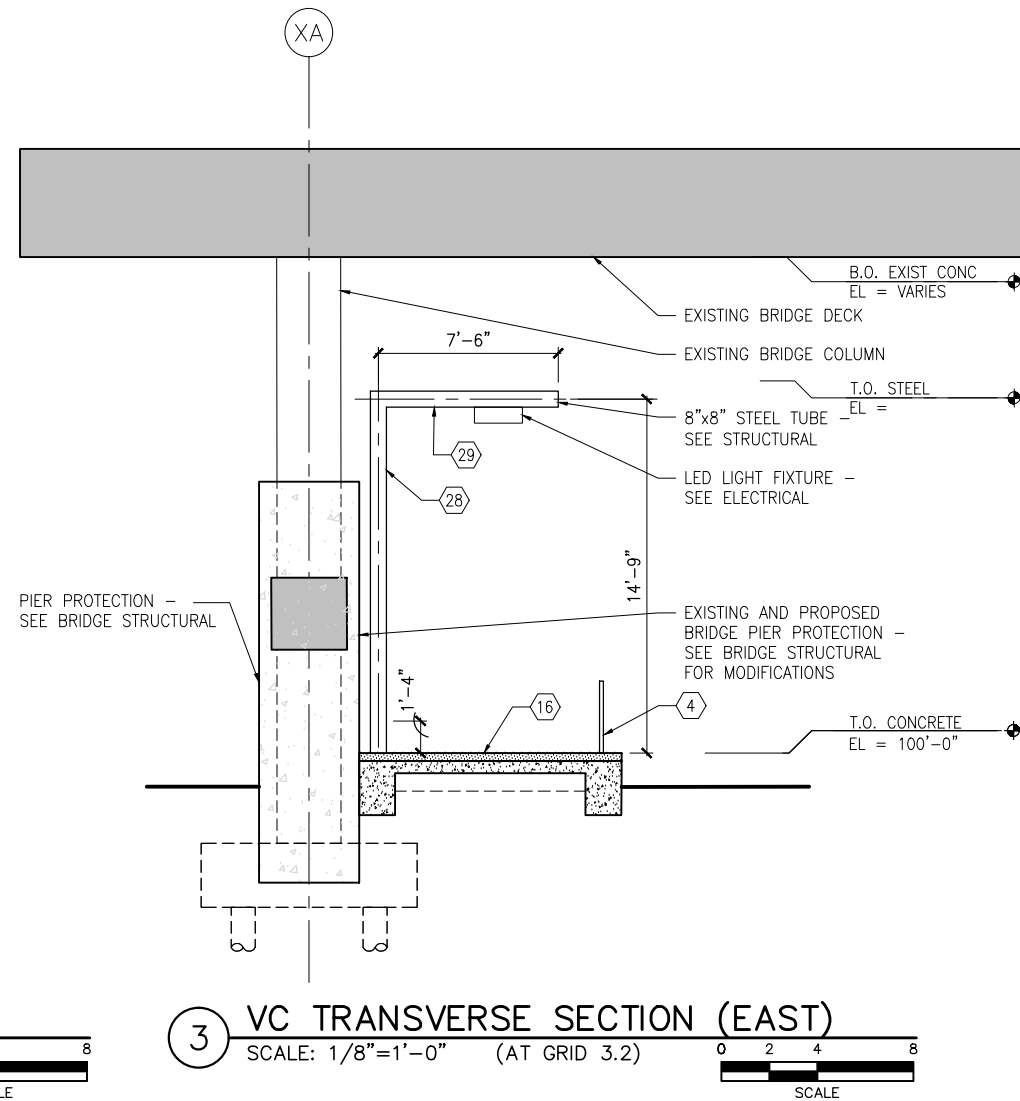
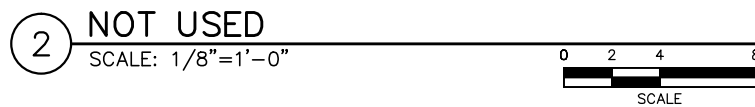
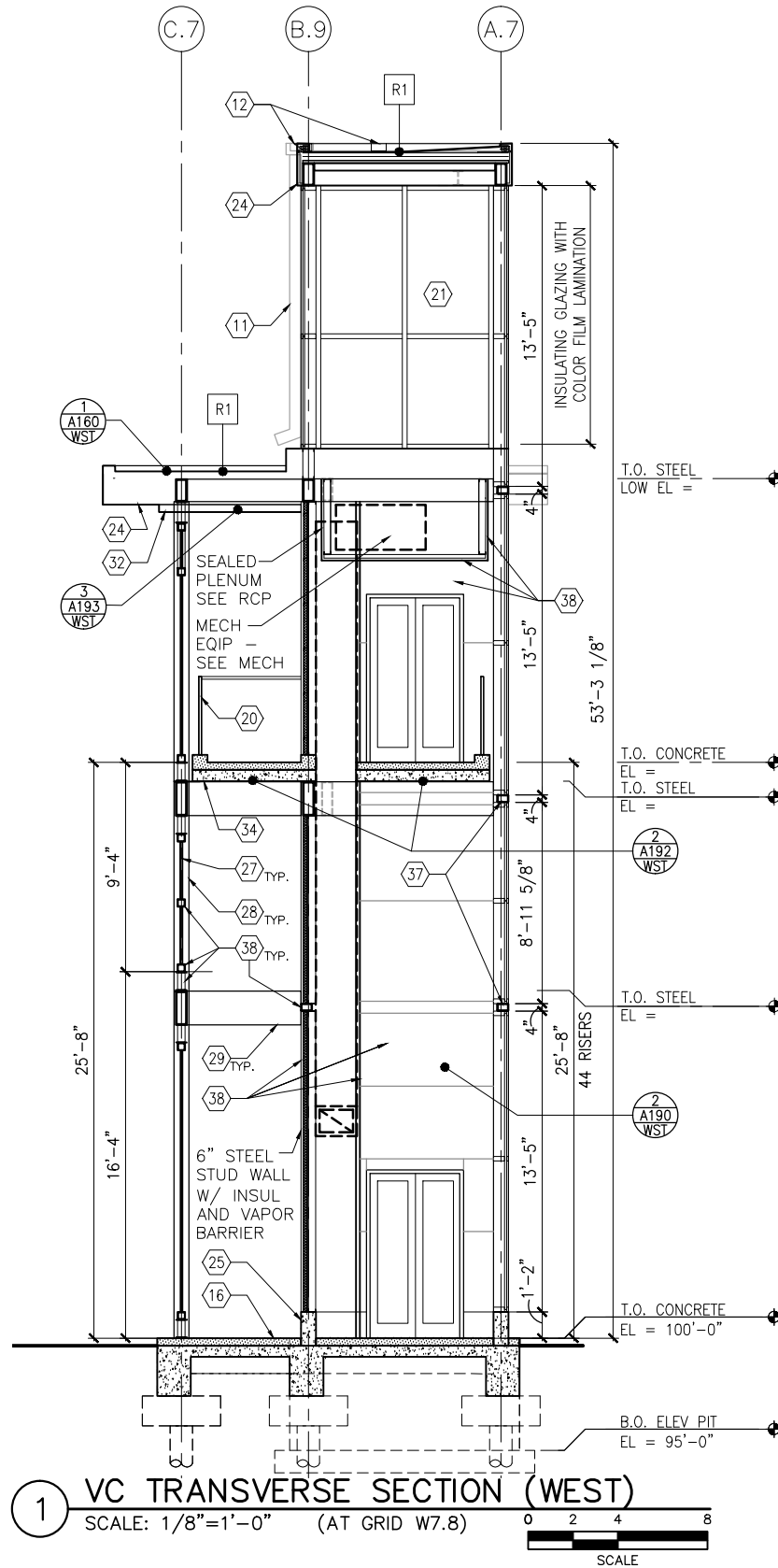
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-SCT-313**

**SHEET**  
**251**  
**OF**  
**319**



Sep. 21 2015 12:56 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-SCT-314.dwg By: V-MccarrTP



## GENERAL SHEET NOTES

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

- LIGHT RECESSED IN SOFFIT
- LIGHT MOUNTED TO STRUCTURE
- HAND HOLE IN STEEL STRUCTURE
- HAND RAIL
- SECURITY CAMERA
- TICKET VENDING MACHINE
- EMERGENCY TELEPHONE LIGHT
- EMERGENCY CALL BOX
- ROOF DRAIN
- PRE-FINISHED METAL GUTTER
- PRE-FINISHED METAL DOWNSPOUT
- PRE-FINISHED METAL SCUPPER
- BENCH
- LEANING RAIL
- OVERHEAD CONTACT SYSTEM
- CONCRETE PLATFORM
- HEATER PUSH BUTTON CONTROLS
- INFRARED HEATER
- DETECTABLE WARNING PAVER AT BOARDING EDGE
- GUARD RAIL AND SAFETY SCREEN
- ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- ROOFING - REFER TO ROOF PLAN FOR ROOFING TYPE
- ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
- CONCRETE WALL
- TRANSLUCENT PLASTIC PANEL
- ARCHITECTURAL WOVEN MESH
- STEEL COLUMN - SEE STRUCTURAL
- STEEL BEAM - SEE STRUCTURAL
- WALL HYDRANT
- AREA DRAIN
- EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
- STATION SIGNAGE
- PC CONC WALKWAY - SEE STRUCT
- PC CONC STAIR - SEE STRUCT
- PC CONC WALL PANEL
- SECONDARY STEEL FRAMING - SEE STRUCTURAL
- COMPOSITE ALUM PANEL

## LEGEND

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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC SECTIONS (WEST)**

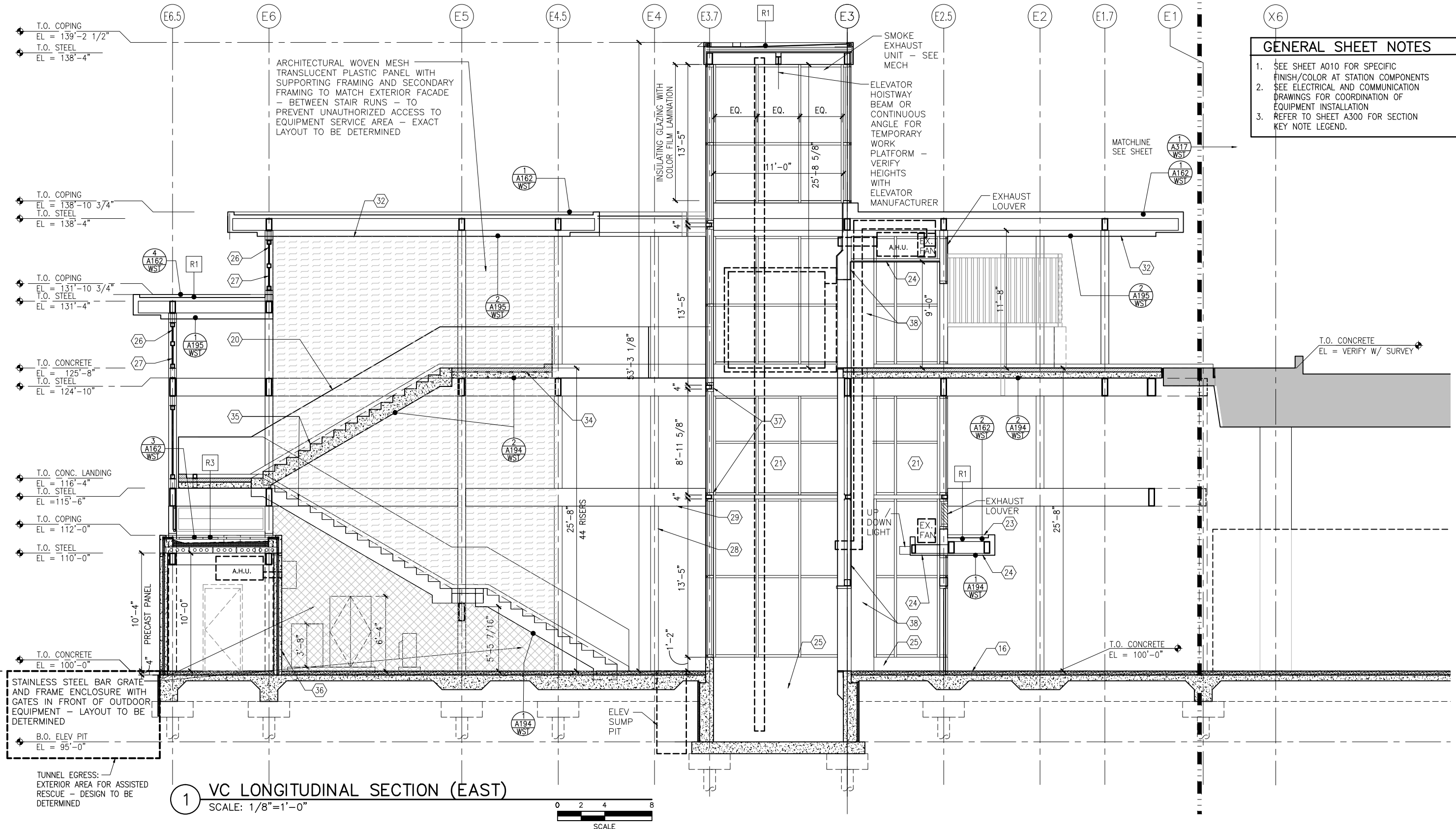
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-SCT-314**

**SHEET**  
**252**  
**OF**  
**319**



Sep. 21 2015 12:56 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-SCT-316.dwg By: V-MccarrTP



#### 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.

**AECOM**



60% SUBMISSION - 09/28/15

**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC LONGITUDINAL SECTION (EAST)**

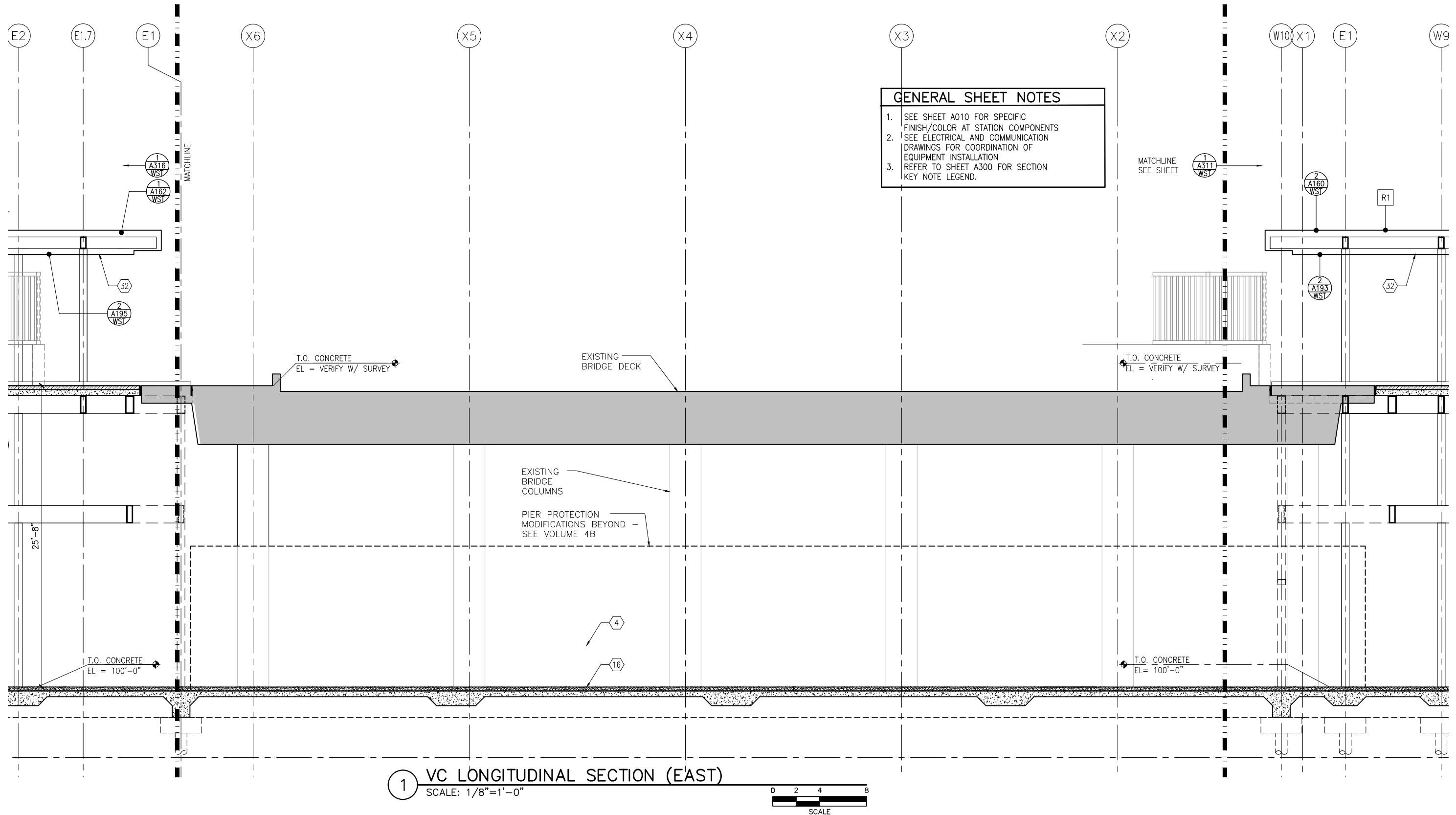
DISCIPLINE:  
**ARCHITECTURE**

SHEET NAME:  
**E3-WST-ARC-SCT-316**

**SHEET**  
**253**  
**OF**  
**319**



Sep. 21 2015 12:57 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-SCT-317.dwg By: V-MccarrTP

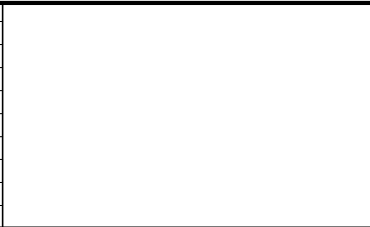


- GENERAL SHEET NOTES**
1. SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
  2. SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION
  3. REFER TO SHEET A300 FOR SECTION KEY NOTE LEGEND.

1 VC LONGITUDINAL SECTION (EAST)  
SCALE: 1/8"=1'-0"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



**60% SUBMISSION - 09/28/15**



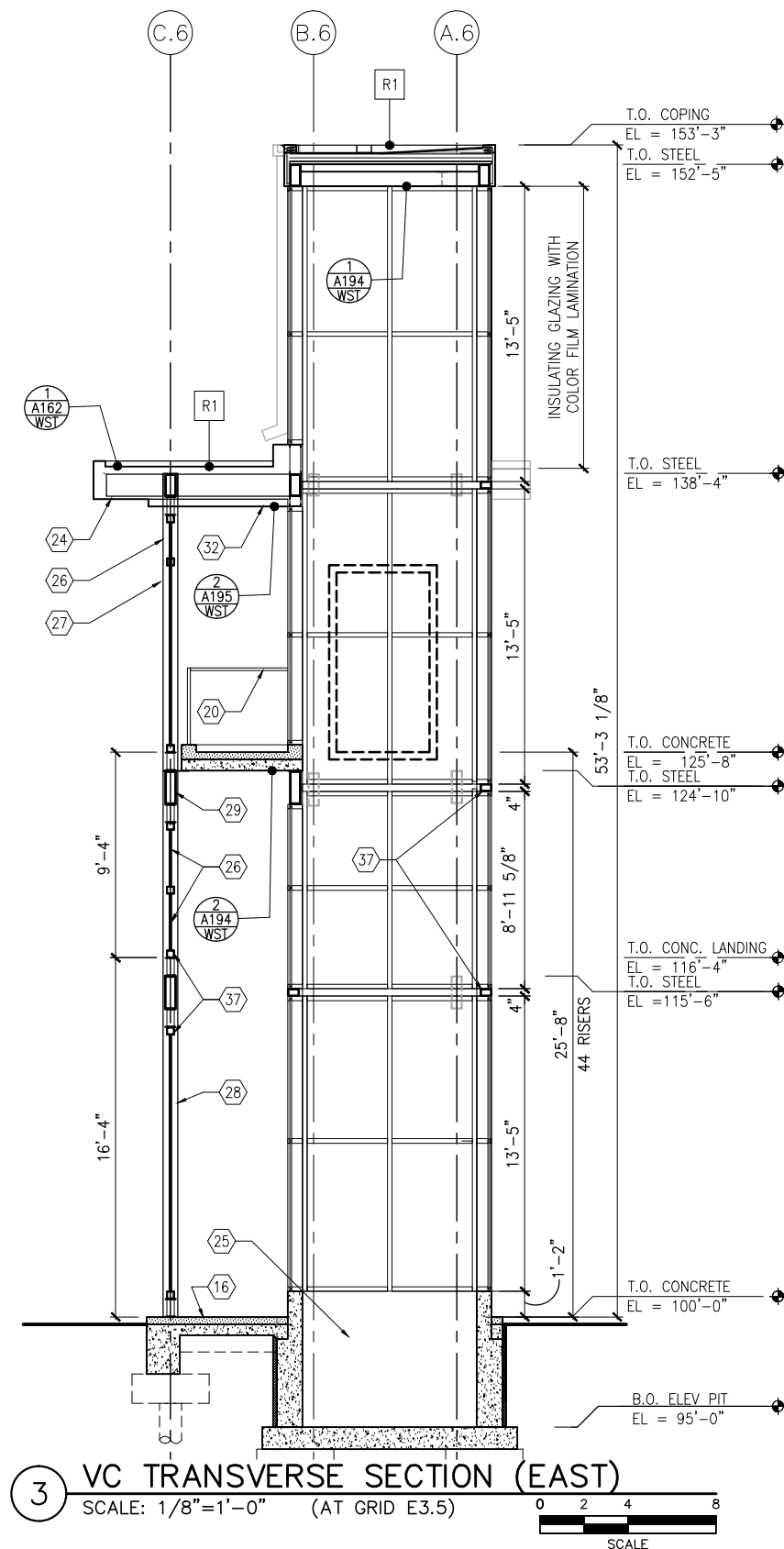
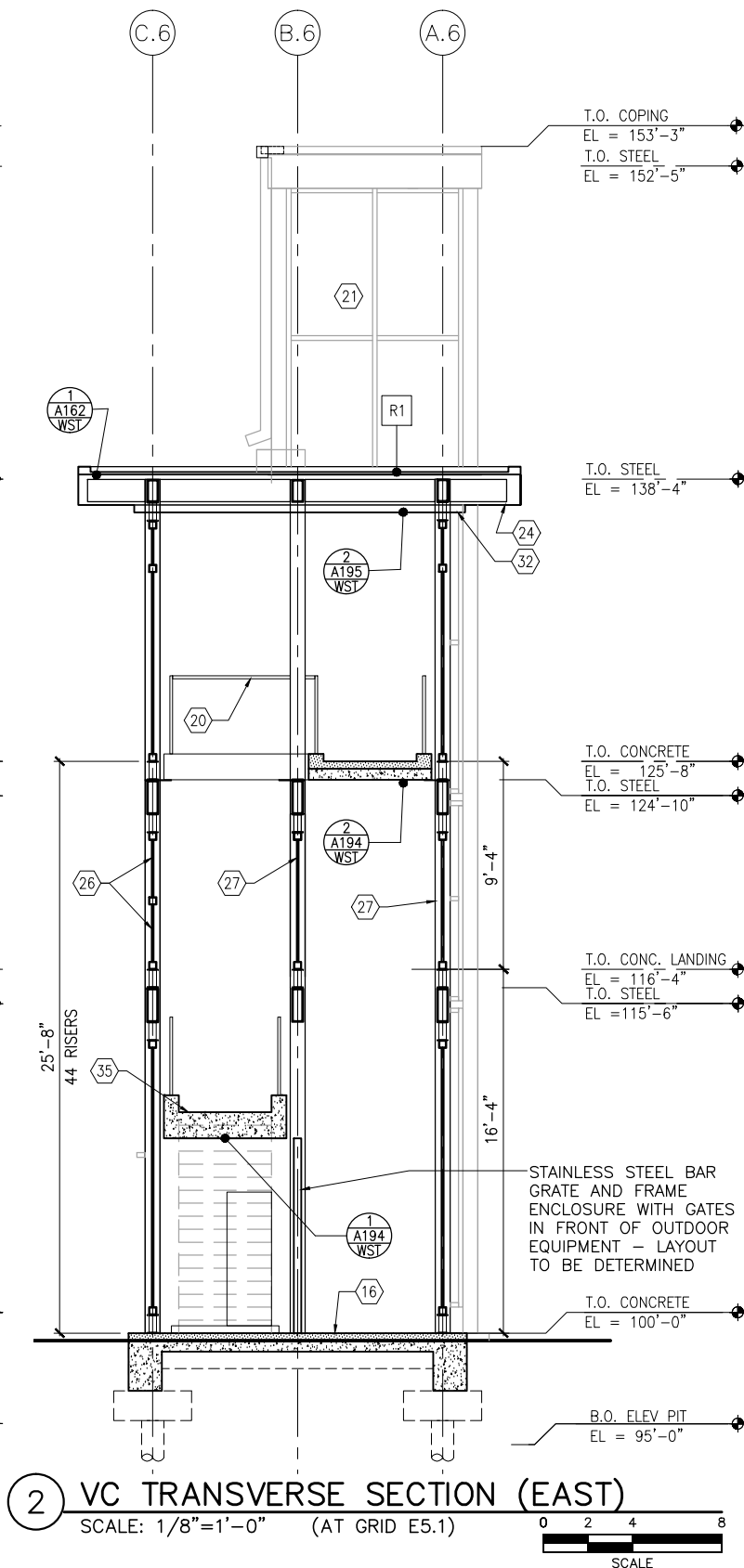
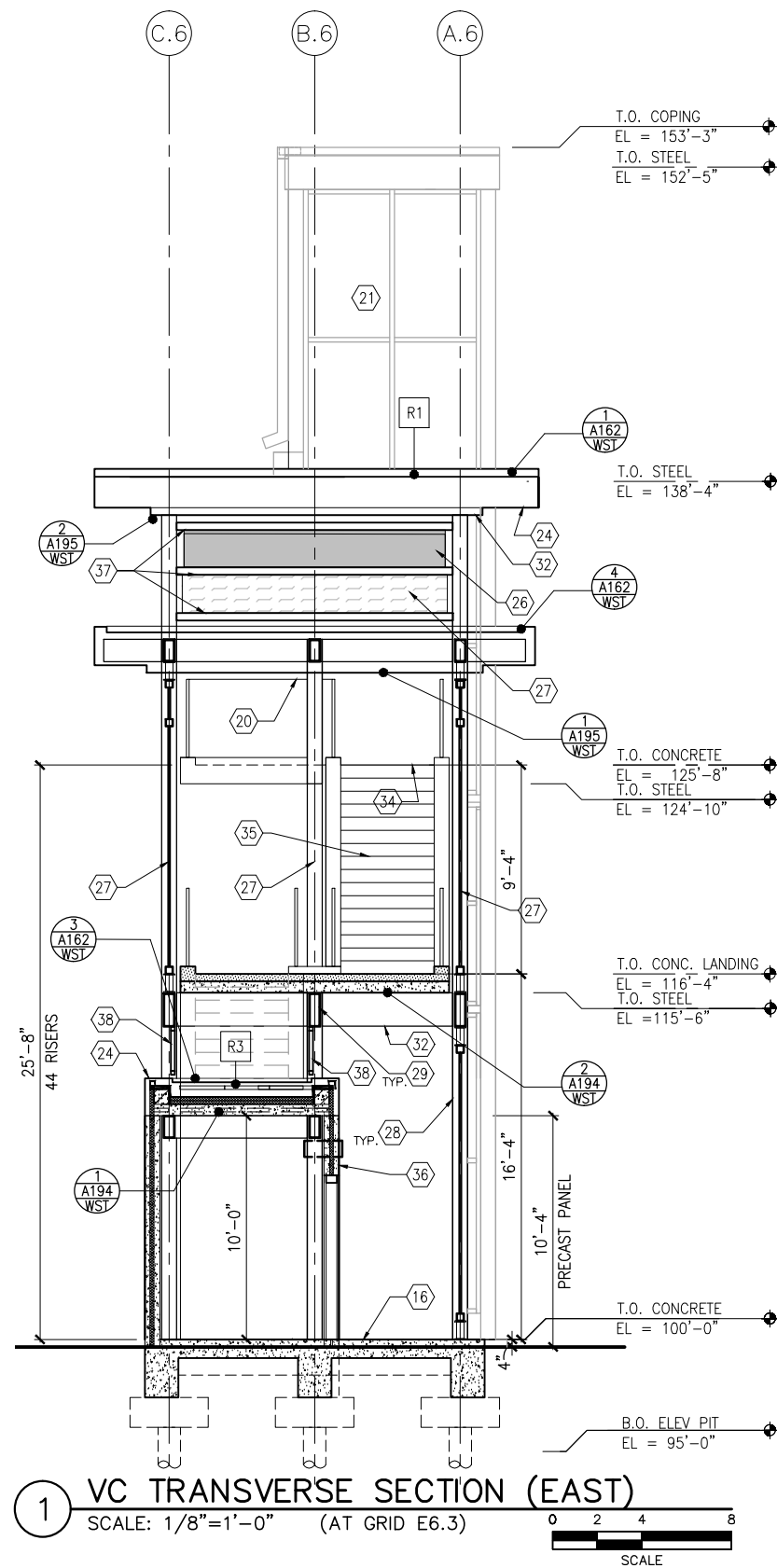
**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC LONGITUDINAL SECTION (EAST)**

DISCIPLINE: **ARCHITECTURE**  
SHEET NAME: **E3-WST-ARC-SCT-317**

**SHEET**  
**254**  
**OF**  
**319**



Sep. 21 2015 03:25 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ARCH\WEST LAKE STATION\E3-WST-ARC-SCT-318.dwg By: V-MccarrTP



## GENERAL SHEET NOTES

- SEE SHEET A010 FOR SPECIFIC FINISH/COLOR AT STATION COMPONENTS
- SEE ELECTRICAL AND COMMUNICATION DRAWINGS FOR COORDINATION OF EQUIPMENT INSTALLATION

## KEY NOTES - #

NOTE: ALL KEYNOTES MAY NOT BE USED

- LIGHT RECESSED IN SOFFIT
- LIGHT MOUNTED TO STRUCTURE
- HAND HOLE IN STEEL STRUCTURE
- HAND RAIL
- SECURITY CAMERA
- TICKET VENDING MACHINE
- EMERGENCY TELEPHONE LIGHT
- EMERGENCY CALL BOX
- ROOF DRAIN
- PRE-FINISHED METAL GUTTER
- PRE-FINISHED METAL DOWNSPOUT
- PRE-FINISHED METAL SCUPPER
- BENCH
- LEANING RAIL
- OVERHEAD CONTACT SYSTEM
- CONCRETE PLATFORM
- HEATER PUSH BUTTON CONTROLS
- INFRARED HEATER
- DETECTABLE WARNING PAVER AT BOARDING EDGE
- GUARD RAIL AND SAFETY SCREEN
- ALUMINUM STOREFRONT AND GLASS WINDOW SYSTEM
- VARIABLE MESSAGE SIGN (FINAL LOCATIONS ARE TBD)
- ROOFING - REFER TO ROOF PLAN FOR ROOFING TYPE
- ALUMINUM COMPOSITE PANEL SOFFIT AND FASCIA
- CONCRETE WALL
- TRANSLUCENT PLASTIC PANEL
- ARCHITECTURAL WOVEN MESH
- STEEL COLUMN - SEE STRUCTURAL
- STEEL BEAM - SEE STRUCTURAL
- WALL HYDRANT
- AREA DRAIN
- EXTERIOR LINEAR METAL CEILING SOFFIT AND FASCIA
- STATION SIGNAGE
- PC CONC WALKWAY - SEE STRUCT
- PC CONC STAIR - SEE STRUCT
- PC CONC WALL PANEL
- SECONDARY STEEL FRAMING - SEE STRUCTURAL
- COMPOSITE ALUM PANEL

## LEGEND

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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC SECTION (EAST)**

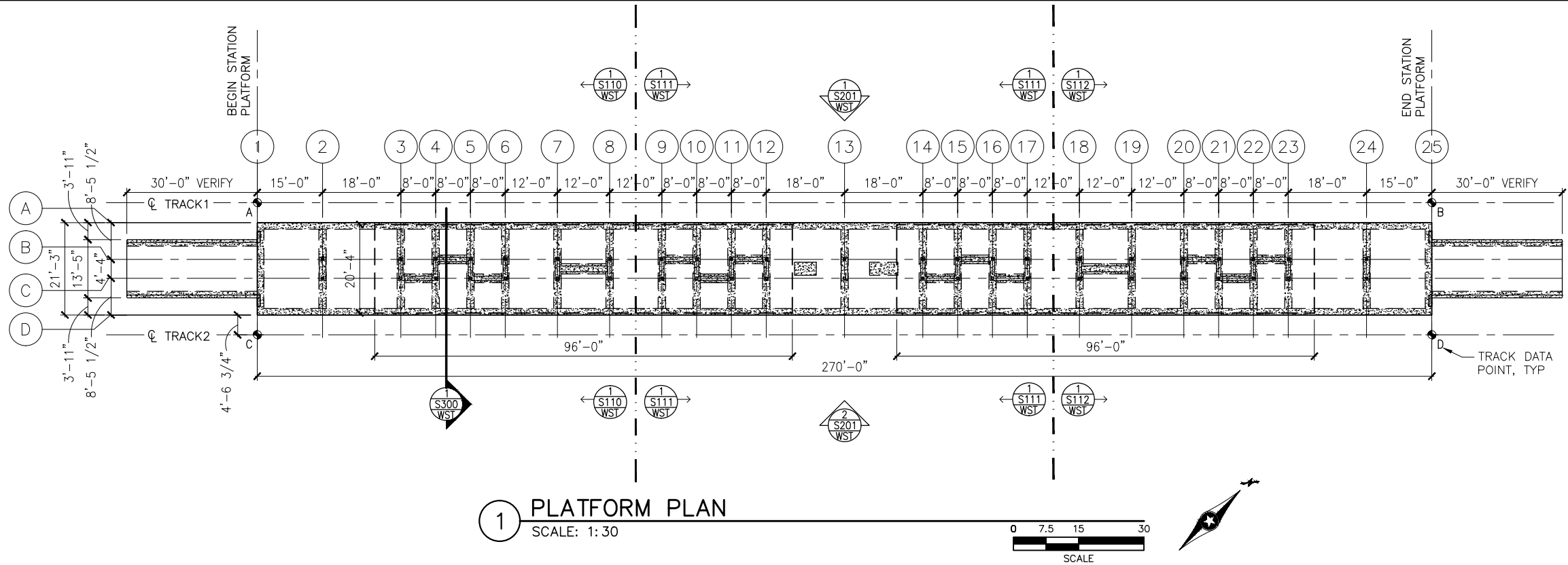
DISCIPLINE: **ARCHITECTURE**

SHEET NAME: **E3-WST-ARC-SCT-318**

**SHEET**  
**255**  
**OF**  
**319**



Sep. 21 2015 09:20 am k:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\West\_Lake\CAD\STR\E3-WST-STR-PLN-101.dwg By: pepins



1 PLATFORM PLAN  
SCALE: 1:30

TRACK DATA

ELEV 100'-0" (LOCATION ON PLAN)

TRACK 1 EL 100'-0"=     xxx.xx (PT 'A')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING
A	xxx.xx	xxxx+xx.xx
B	xxx.xx	xxxx+xx.xx

TRACK 2 EL 100'-0"=     xxx.xx (PT 'C')

POINT	T.O. RAIL ELEVATION	TRACK 2 STATIONING
C	xxx.xx	xxxx+xx.xx
D	xxx.xx	xxxx+xx.xx

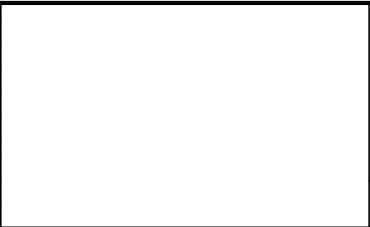
T.O. PLATFORM

T.O. PLATFORM

T.O. RAIL  
(A,B,C,D)

SECTION DIAGRAM AT PLATFORM EDGE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



**AECOM**

60% SUBMISSION - 9/28/15

**METROPOLITAN**  
C O U N C I L

**SOUTHWEST**  
Green Line LRT Extension

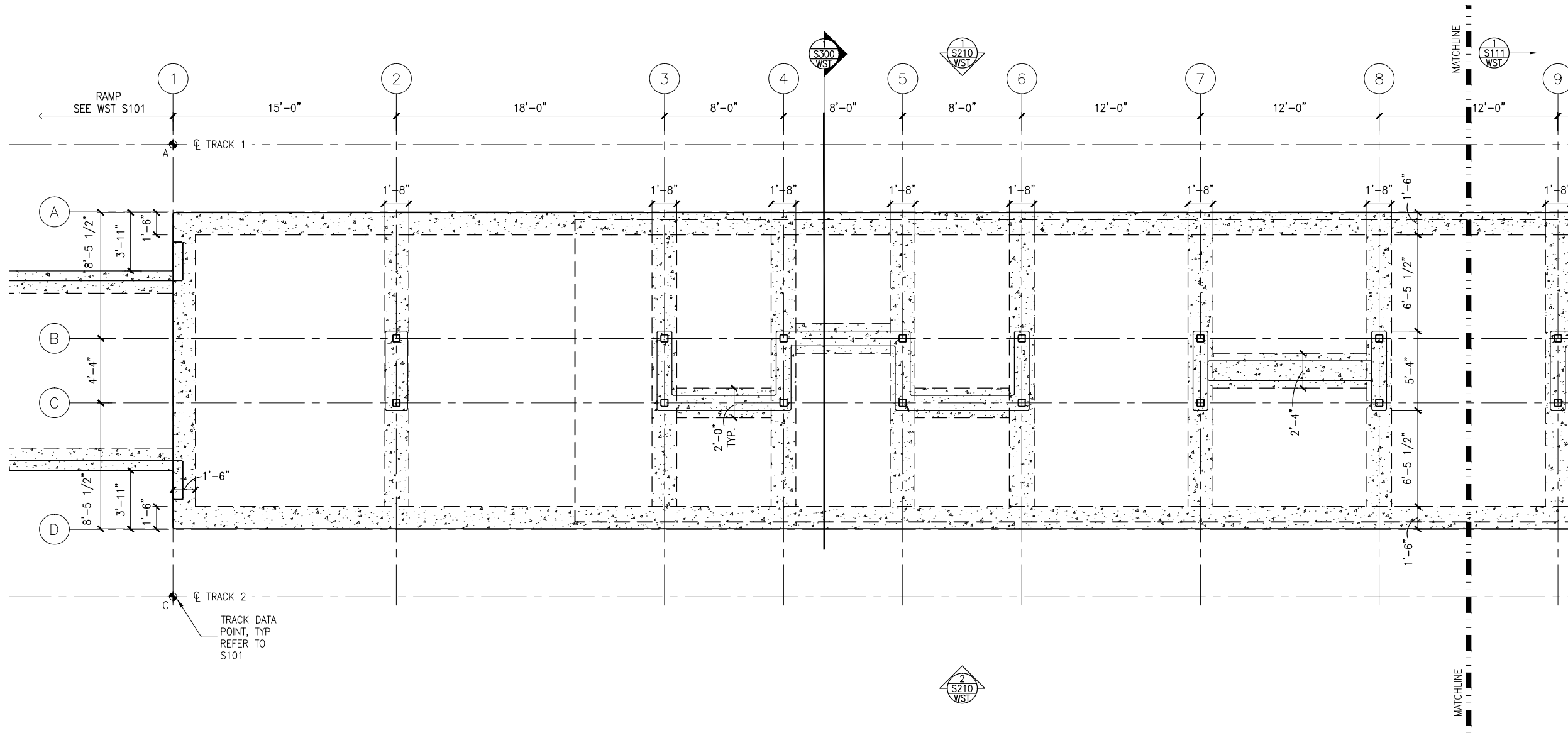
**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**PLATFORM PLAN**

DISCIPLINE: **STRUCTURES**

SHEET NAME: **E3-WST-STR-PLN-101**



Sep. 21 2015 09:20 am k:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\West\_Lake\E3-WST-STR-PLN-110.dwg By: pepins



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 9/28/15



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**WEST PARTIAL FOUNDATION PLAN**

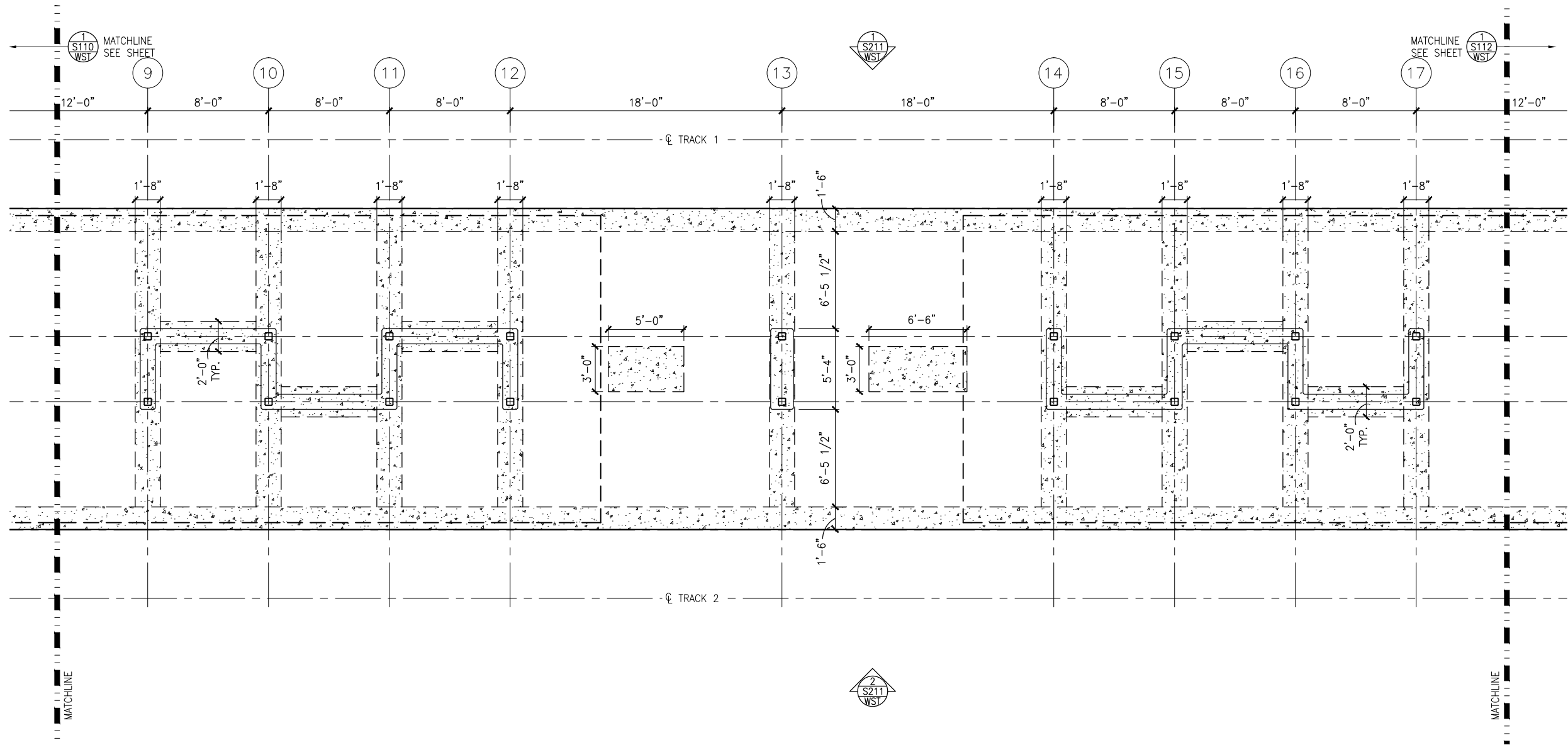
DISCIPLINE:  
**STRUCTURES**

SHEET NAME:  
**E3-WST-STR-PLN-110**

**SHEET**  
**257**  
**OF**  
**319**



Sep. 21 2015 09:21 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\West\_Lake\CAD\STR\E3-WST-STR-PLN-111.dwg By: pepins



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15



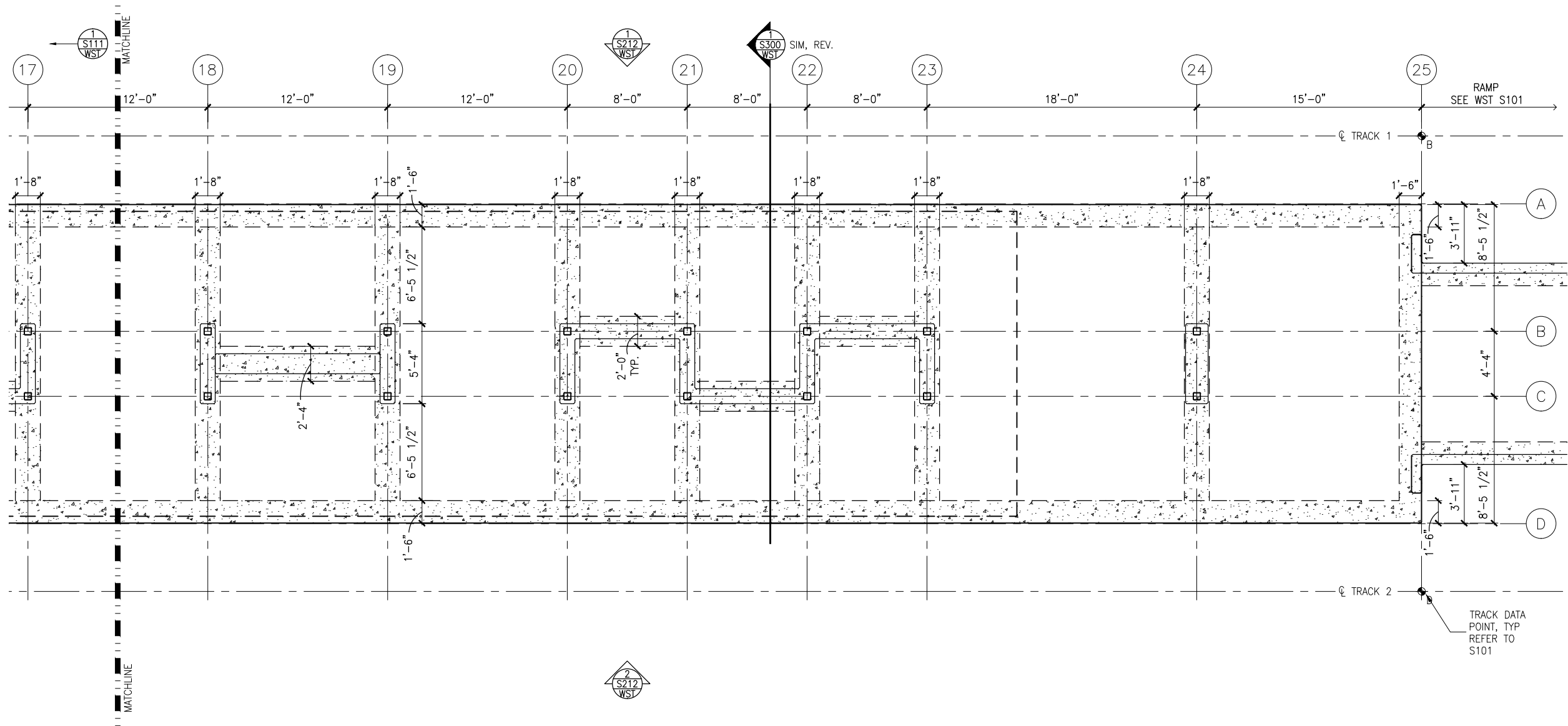
CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
MIDDLE PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES  
SHEET NAME: E3-WST-STR-PLN-111

SHEET  
258  
OF  
319



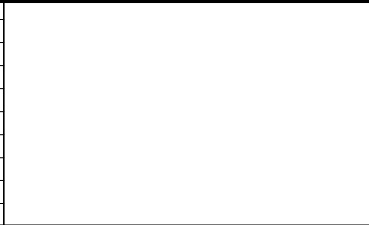
Sep. 21 2015 09:21 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\West\_Lake\CAD\STR\E3-WST-STR-PLN-112.dwg By: pepins



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





60% SUBMISSION - 9/28/15



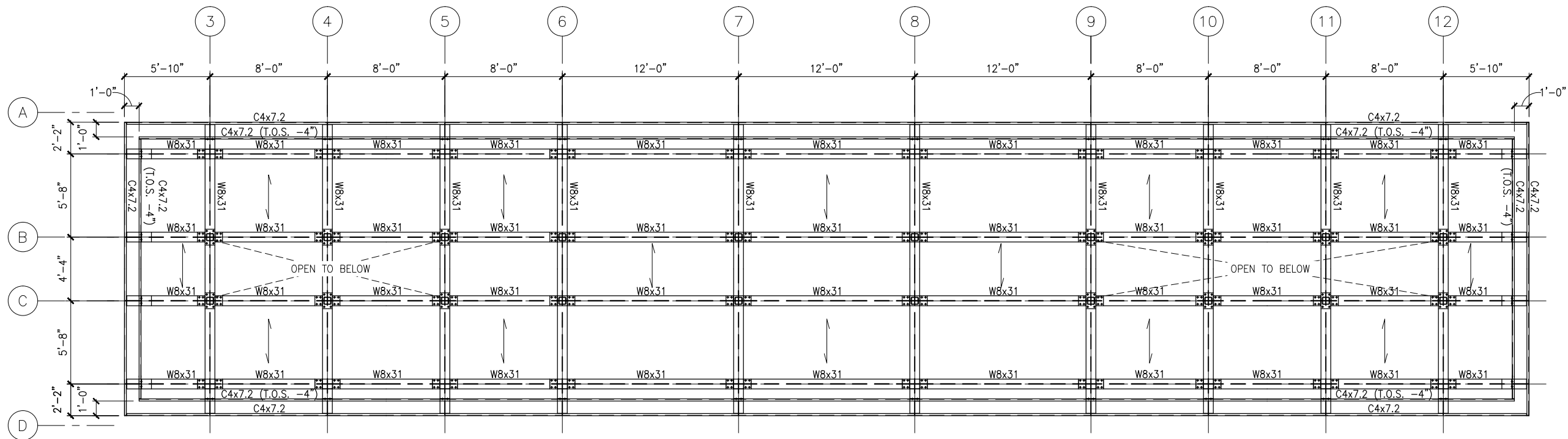
CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
EAST PARTIAL FOUNDATION PLAN

DISCIPLINE: STRUCTURES  
SHEET NAME: E3-WST-STR-PLN-112

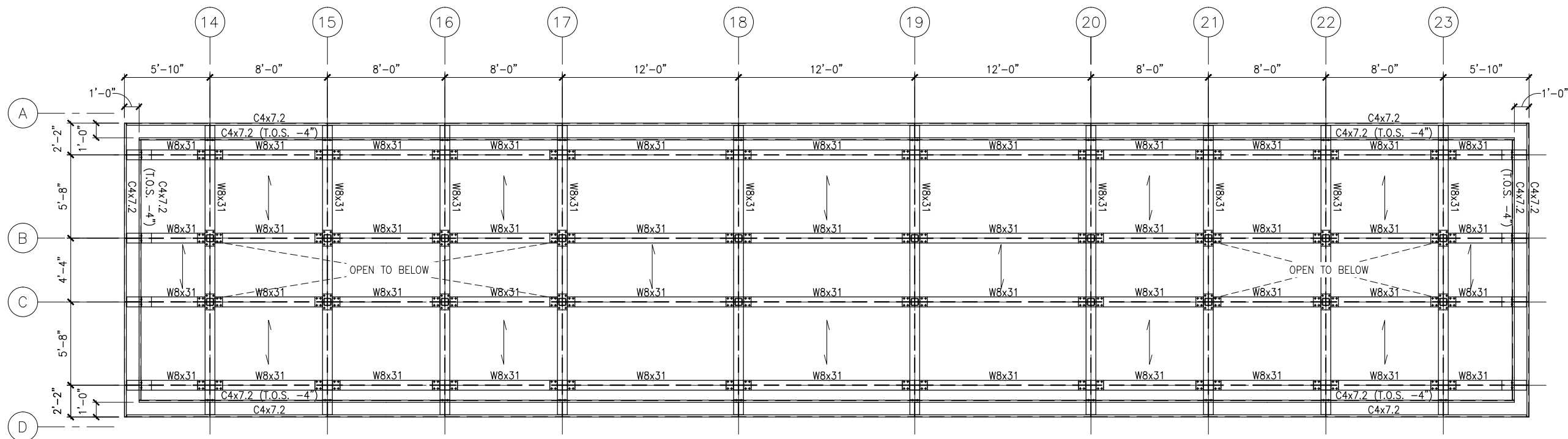
SHEET  
259  
OF  
319



Sep. 21 2015 09:22 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\West\_Lake\STR\E3-WST-STR-PLN-150.dwg By: pepins

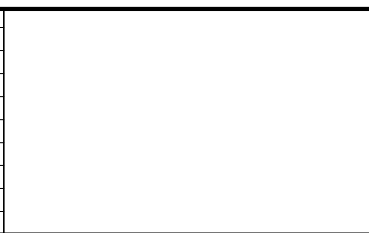


1 FRAMING PLAN - WEST CANOPY  
SCALE: 1/8"=1'-0"



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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15



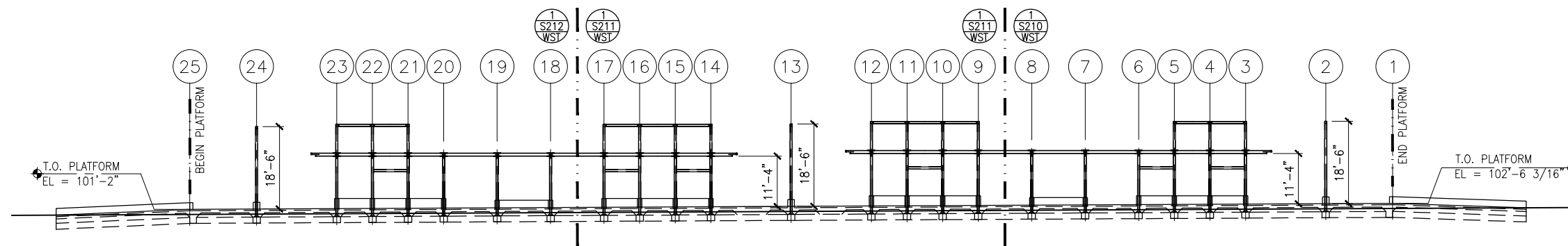
CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
ROOF FRAMING PLANS

DISCIPLINE: STRUCTURES  
SHEET NAME: E3-WST-STR-PLN-150

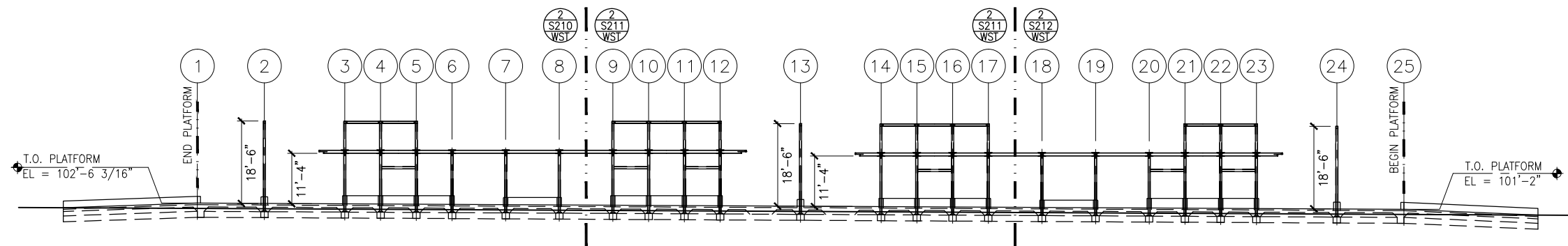
SHEET  
260  
OF  
319



Sep. 21 2015 09:28 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\West\_Lake\CAD\STR\E3-WST-STR-ELV-201.DWG By: pepins



1 TRACK 1 ELEVATION - FRAMING  
SCALE: 1:30 0 7.5 15 30 (-0.50% SLOPE)\*  
SCALE



2 TRACK 2 ELEVATION - FRAMING  
SCALE: 1:30 0 7.5 15 30 (-0.50% SLOPE)\*  
SCALE

\*VERIFY W/ TRACK PROFILE, ADJUST ELEVATIONS ACCORDINGLY

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

60% SUBMISSION - 9/28/15



CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
ELEVATIONS -- FRAMING

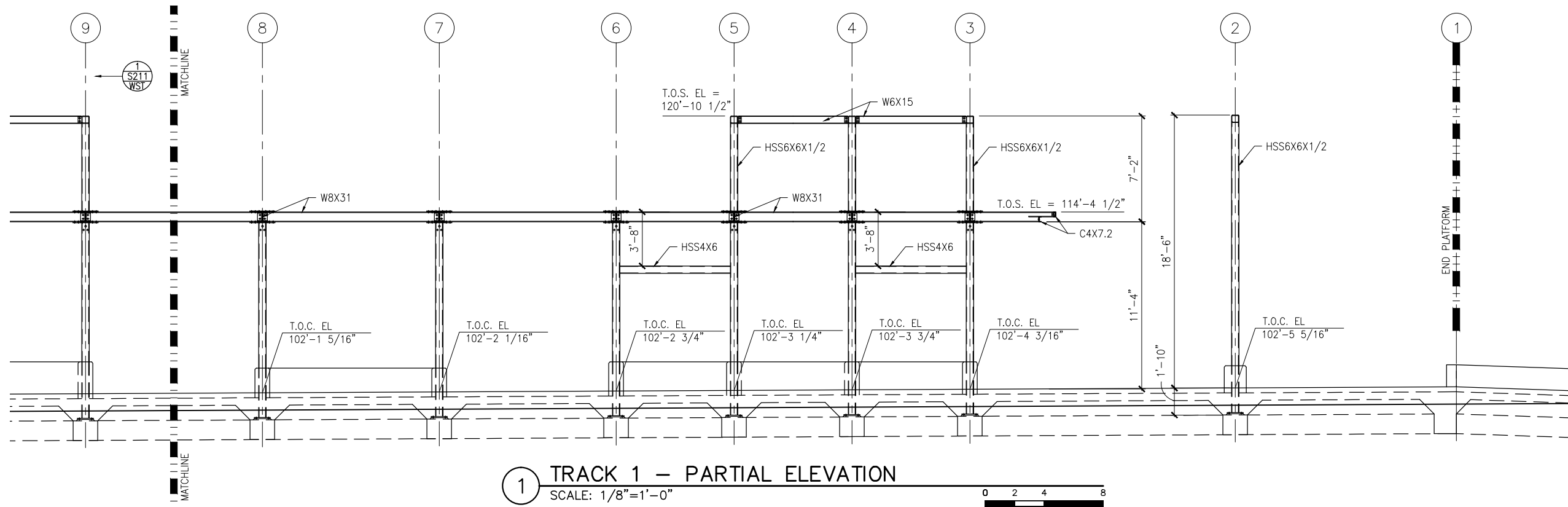
DISCIPLINE:  
STRUCTURES

SHEET NAME:  
E3-WST-STR-ELV-201

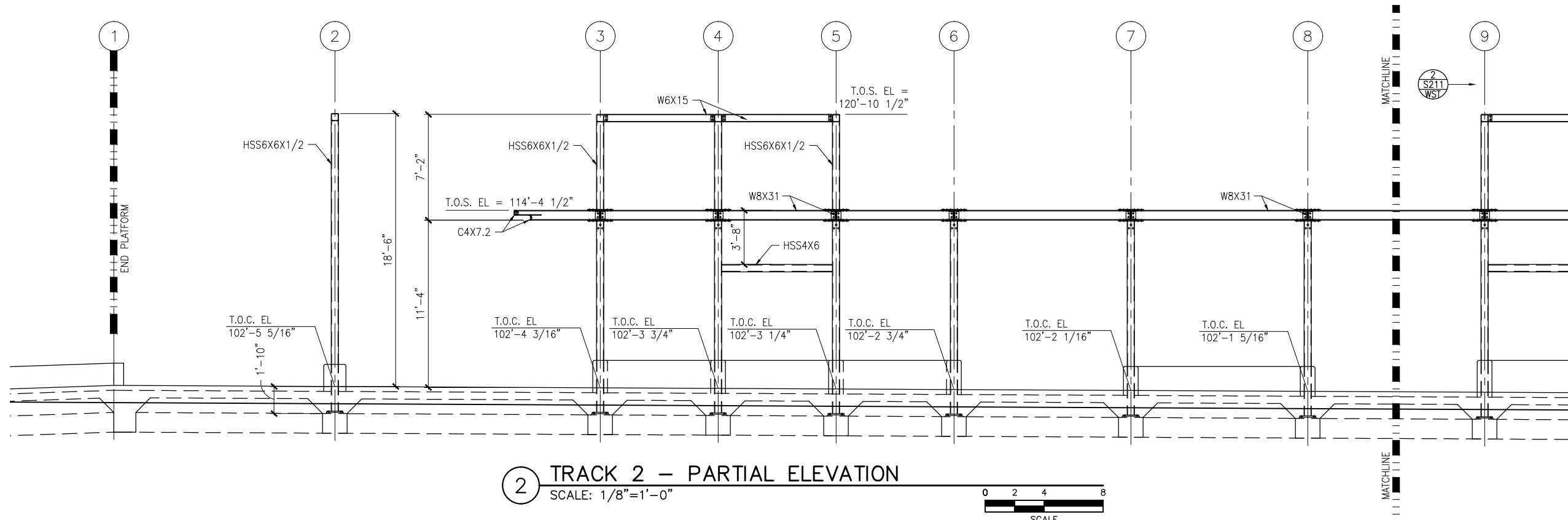
SHEET  
261  
OF  
319



Sep. 21 2015 09:28 am k:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\West\_Lake\STR\E3-WST-STR-ELV-210.dwg By: pepins



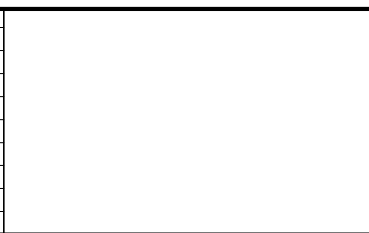
1 TRACK 1 – PARTIAL ELEVATION  
SCALE: 1/8"=1'-0"



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15



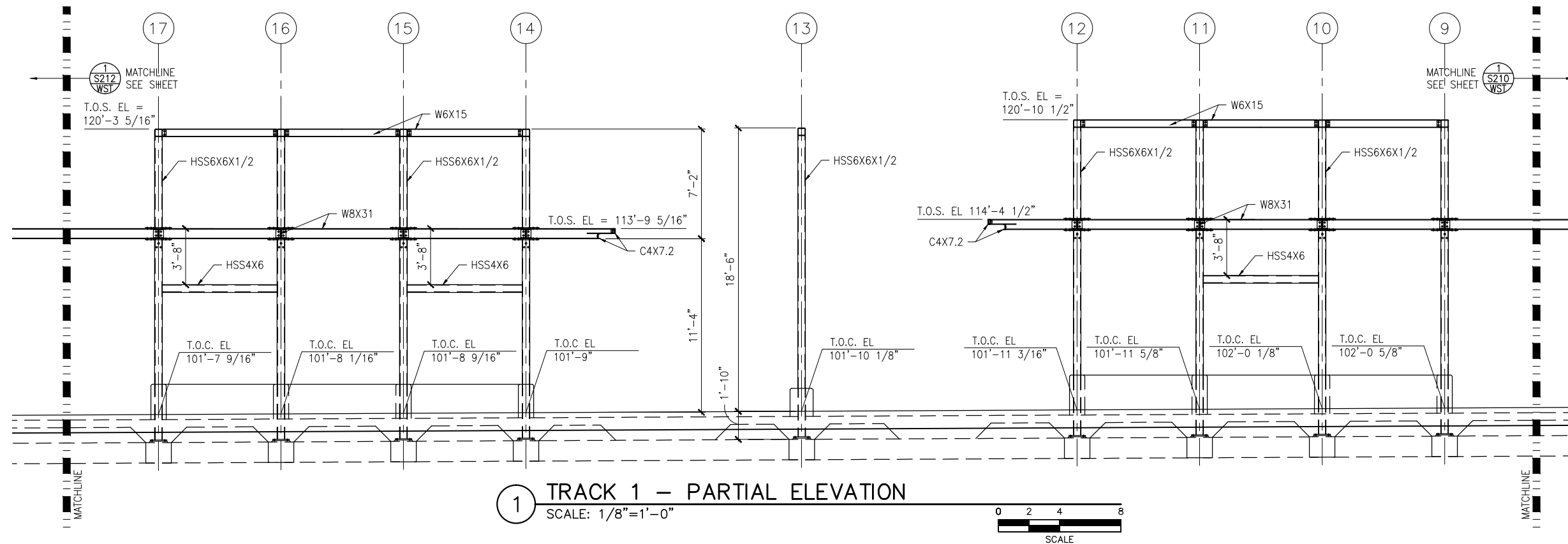
CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
WEST PARTIAL ELEVATIONS -- FRAMING

DISCIPLINE: STRUCTURES  
SHEET NAME: E3-WST-STR-ELV-210

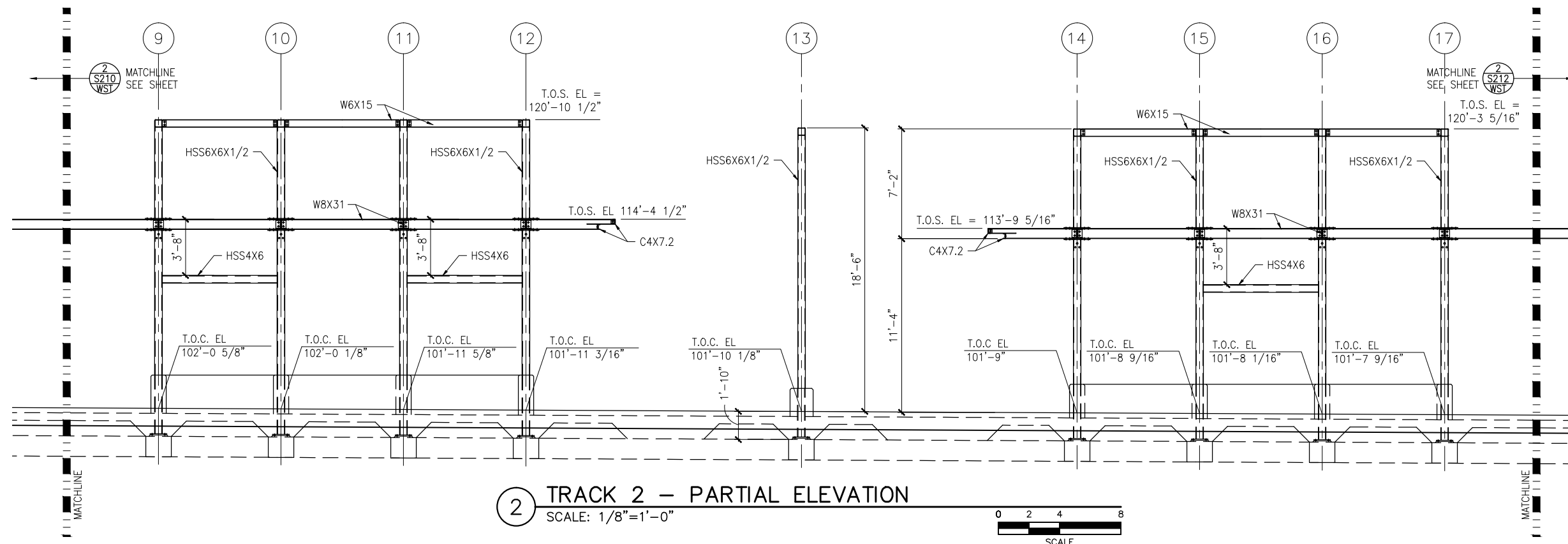
SHEET  
262  
OF  
319



Sep. 21 2015 09:29 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\West\_Lake\STR\E3-WST-STR-ELV-211.dwg By: pepins



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



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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

60% SUBMISSION - 9/28/15



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**MIDDLE PARTIAL ELEVATIONS -- FRAMING**

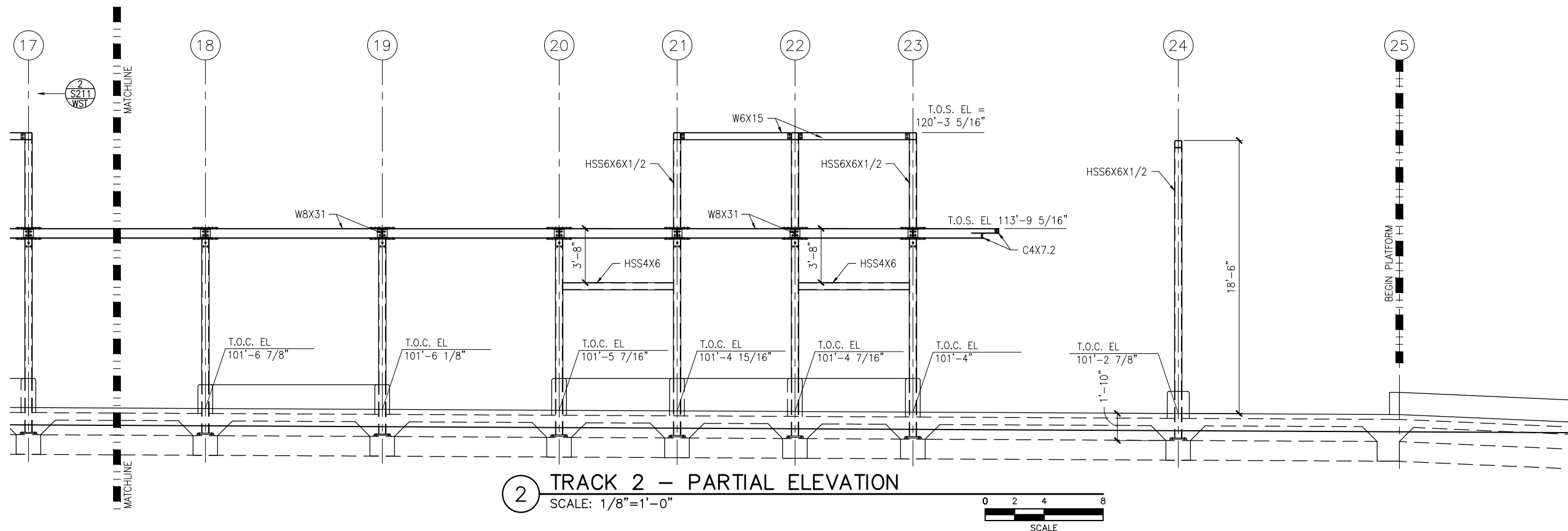
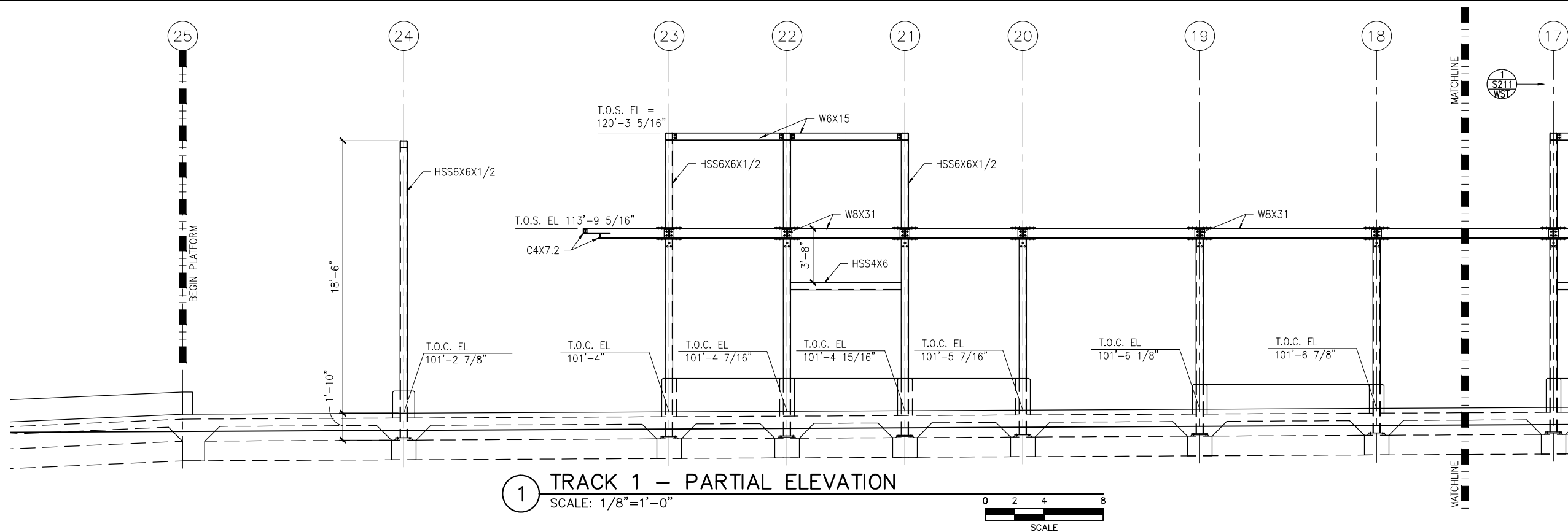
DISCIPLINE:  
**STRUCTURES**

SHEET NAME:  
**E3-WST-STR-ELV-211**

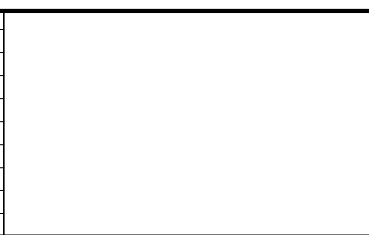
**SHEET**  
**263**  
**OF**  
**319**



Sep. 21 2015 09:30 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\West\_Lake\STR\E3-WST-STR-ELV-212.dwg By: pepins



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15



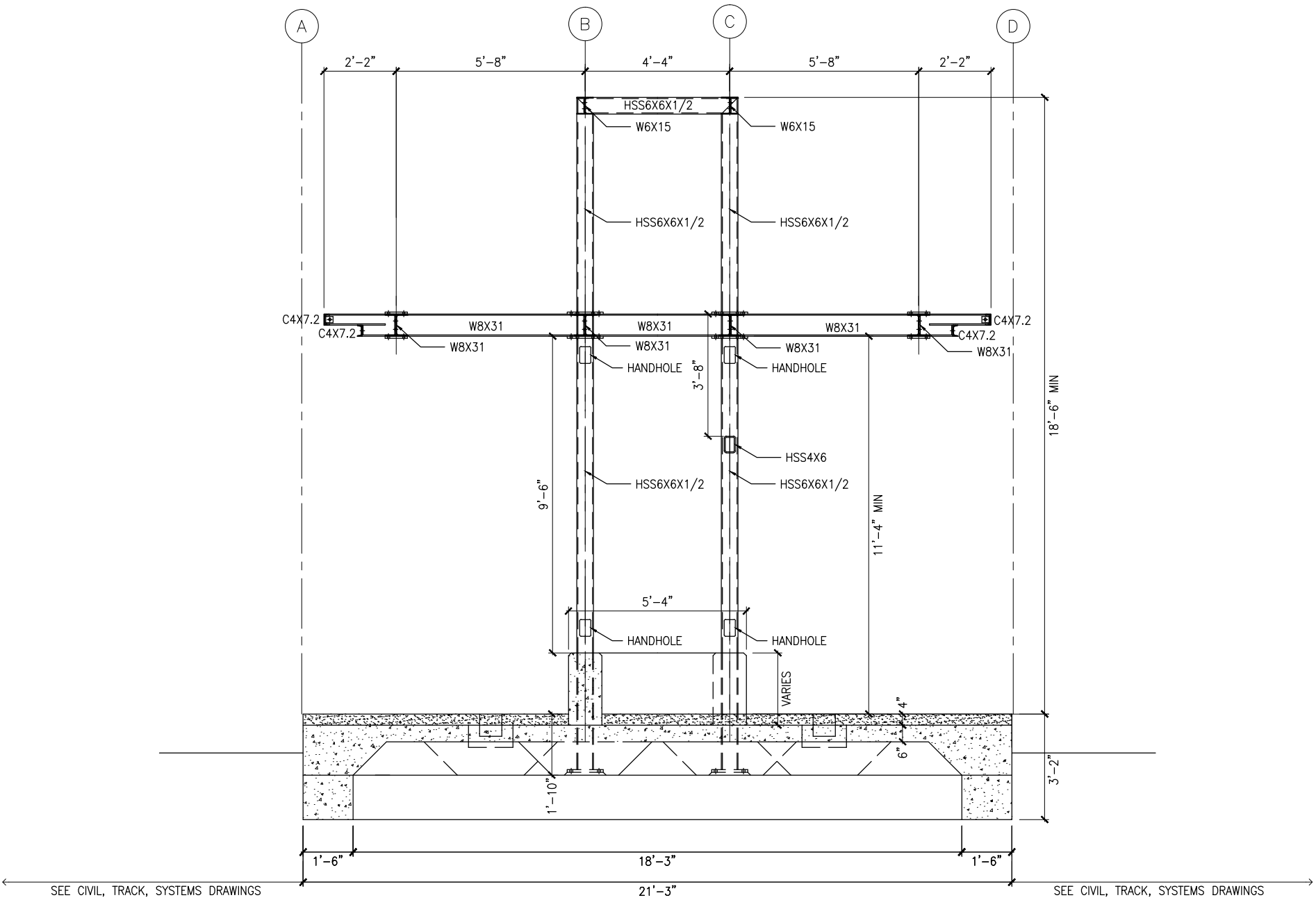
CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
EAST PARTIAL ELEVATIONS -- FRAMING

DISCIPLINE: STRUCTURES  
SHEET NAME: E3-WST-STR-ELV-212

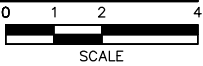
SHEET  
264  
OF  
319



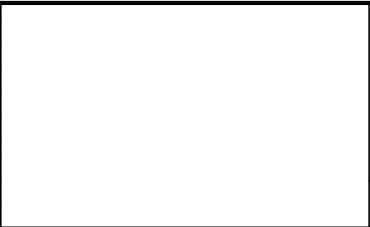
Sep. 21 2015 09:30 am K:\Projects\Minneapolis\_Light\_Rail\Station\_Structural\_Drawings\West\_Lake\CAD\STR\E3-WST-STR-SCT-300.dwg By: pepins



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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 9/28/15



CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
TYPICAL PLATFORM SECTION

DISCIPLINE: STRUCTURES  
SHEET NAME: E3-WST-STR-SCT-300

SHEET  
265  
OF  
319



Sep. 21 2015 01:11 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\267 E3-WST-STR-PLN-402.dwg By: scott.shepard

#### GENERAL NOTES:

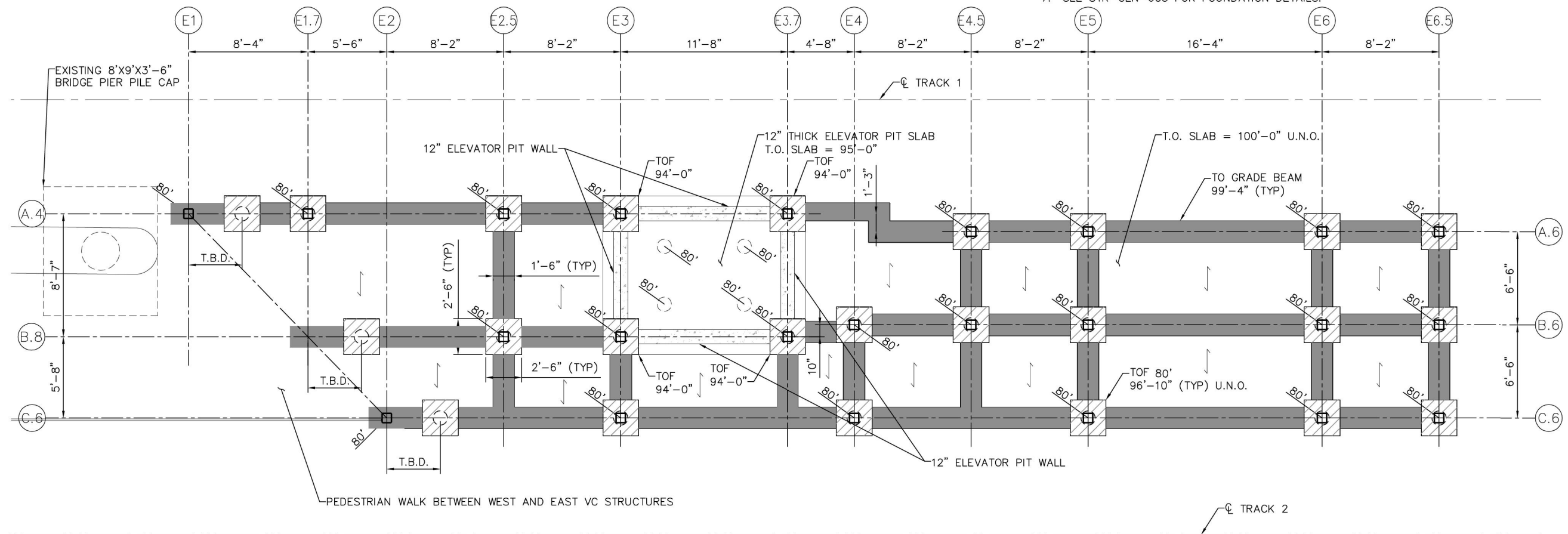
- DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS, DETAILS, AND FIELD VERIFICATION.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.

#### FOUNDATION NOTES:

- COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED, THE FOLLOWING NOTES RELATING TO THE FOUNDATION PLAN SHALL GOVERN.
- FOUNDATIONS SHALL BE CENTERED ON COLUMN GRID LINES, EG COLUMNS, WALLS, ETC. UNLESS NOTED OTHERWISE.
- ALL FOUNDATION WORK RELATING TO THE INSTALLATION OF REBAR SHALL BE OBSERVED AND APPROVED BY THE ENGINEER.
- WHERE SHOWN, BUT NOT SPECIFICALLY NOTED, PROVIDE STANDARD ACI 90° OR 180° HOOKS, AS APPLICABLE, TO REBAR.
- FOUNDATION DESIGN IS BASED ON INFORMATION AND RECOMMENDATIONS PROVIDED BY AMERICAN ENGINEERING TESTING IN THEIR PRELIMINARY REPORT OF GEOTECHNICAL EXPLORATION AND REVIEW REPORT No. 01-05697.01 DATED 8/19/2014.
- PERCHED GROUNDWATER MAY BE ENCOUNTERED WITHIN FOUNDATION EXCAVATIONS. REMOVE WATER TO FACILITATE FOUNDATION CONSTRUCTION.
- SEE STR-GEN-603 FOR FOUNDATION DETAILS.

#### LEGEND:

- TOF 96'-10" DENOTES TOP OF FOOTING ELEVATION AT 96'-10"
- 80' 12" CIP STEEL PILE 80' LENGTH
- STEEL TUBE COLUMN - SEE FRAMING PLANS
- CAST IN PLACE CONCRETE PILE CAP  
2'-6"L X 2'-6"W X 2'-6"D
- CAST IN PLACE CONCRETE GRADE BEAM  
"VARIES" L X 1'-6"W X 2'-6"D
- 6" SLAB-ON-GRADE WITH #4 @9" O.C. LONGITUDINAL & TRANSVERSE REINFORCEMENT PLACED AT MID-DEPTH.
- ELEVATION 100'-0" = SEE ARCHITECTURAL TRACK ELEVATION AT CENTER OF PEDESTRIAN CROSSING.



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

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
VC EAST  
FOUNDATION PLAN**

DISCIPLINE:

STRUCTURES

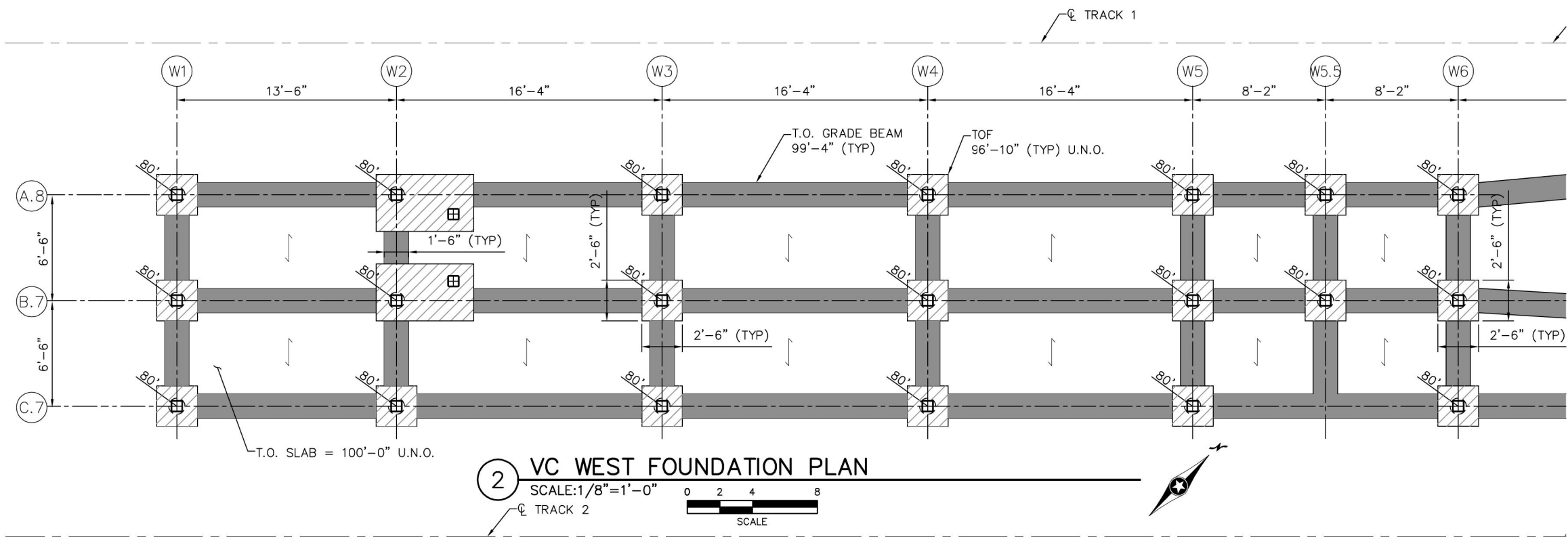
SHEET NAME:

E3-WST-STR-PLN-401

**SHEET**  
**266**  
**OF**  
**320**



Sep. 21 2015 01:11 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\267 E3-WST-STR-PLN-402.dwg By: scott.shepard



#### GENERAL NOTES:

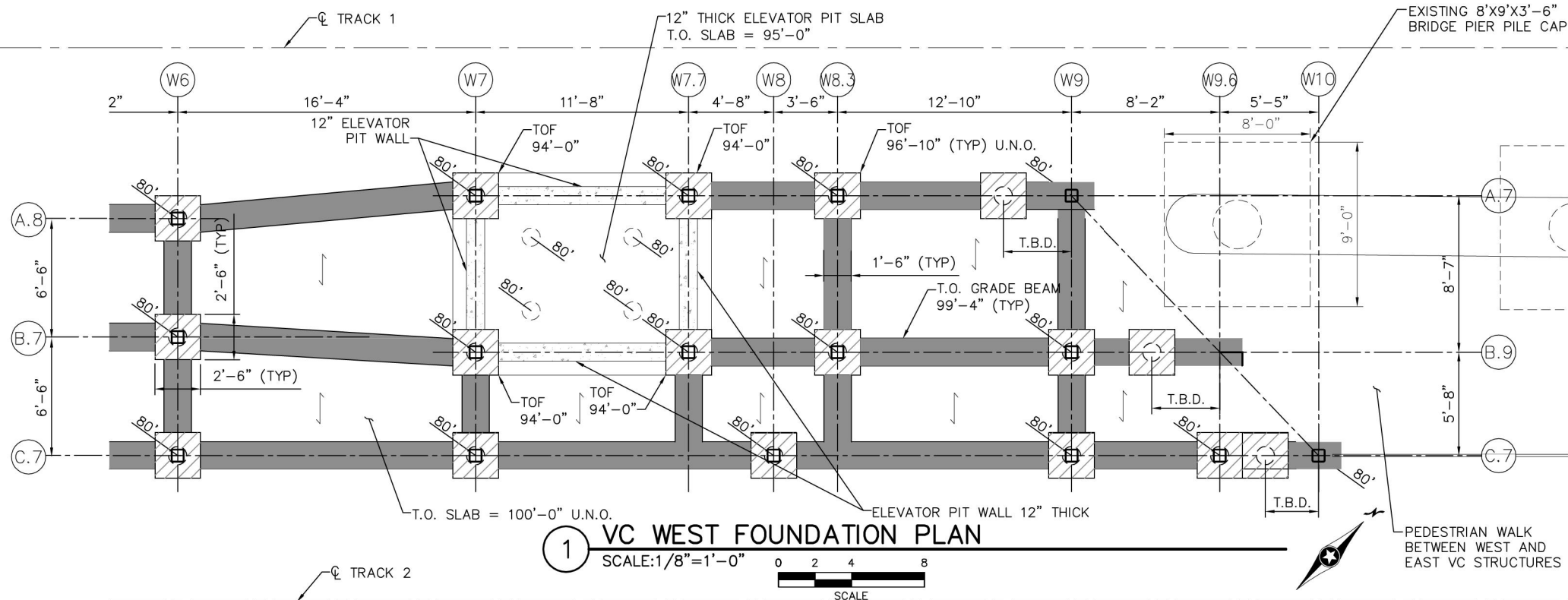
- DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS, DETAILS, AND FIELD VERIFICATION.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE C.A.R. PRIOR TO PROCEEDING WITH WORK.

#### FOUNDATION NOTES:

- COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED, THE FOLLOWING NOTES RELATING TO THE FOUNDATION PLAN SHALL GOVERN.
- FOUNDATIONS SHALL BE CENTERED ON COLUMN GRID LINES, EG COLUMNS, WALLS, ETC. UNLESS NOTED OTHERWISE.
- ALL FOUNDATION WORK RELATING TO THE INSTALLATION OF REBAR SHALL BE OBSERVED AND APPROVED BY THE ENGINEER.
- WHERE SHOWN, BUT NOT SPECIFICALLY NOTED, PROVIDE STANDARD ACI 90° OR 180° HOOKS, AS APPLICABLE, TO REBAR.
- FOUNDATION DESIGN IS BASED ON INFORMATION AND RECOMMENDATIONS PROVIDED BY AMERICAN ENGINEERING TESTING IN THEIR PRELIMINARY REPORT OF GEOTECHNICAL EXPLORATION AND REVIEW REPORT No. 01=05697.01 DATED 8/19/2014.
- PERCHED GROUNDWATER MAY BE ENCOUNTERED WITHIN FOUNDATION EXCAVATIONS. REMOVE WATER TO FACILITATE FOUNDATION CONSTRUCTION.
- SEE STR-GEN-603 FOR FOUNDATION DETAILS.

#### LEGEND:

- TOF 96'-10" DENOTES TOP OF FOOTING ELEVATION AT 96'-10"
- 80' 12" CIP STEEL PILE 80' LENGTH
- STEEL TUBE COLUMN - SEE FRAMING PLANS
- CAST IN PLACE CONCRETE PILE CAP  
2'-6"L X 2'-6"W X 2'-6"D
- CAST IN PLACE CONCRETE GRADE BEAM  
"VARIES" L X 1'-6"W X 2'-6"D
- 6" SLAB-ON-GRADE WITH #4 @9" O.C. LONGITUDINAL & TRANSVERSE REINFORCEMENT PLACED AT MID-DEPTH.
- ELEVATION 100'-0" = SEE ARCHITECTURAL TRACK ELEVATION AT CENTER OF PEDESTRIAN CROSSING.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM Kimley»Horn**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
VC WEST  
FOUNDATION PLAN**

DISCIPLINE:

STRUCTURES

SHEET NAME:

E3-WST-STR-PLN-402

**SHEET  
267  
OF  
320**



Sep. 21 2015 01:11 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\269 E3-WST-STR-PLN-412.dwg By: scott.shepard

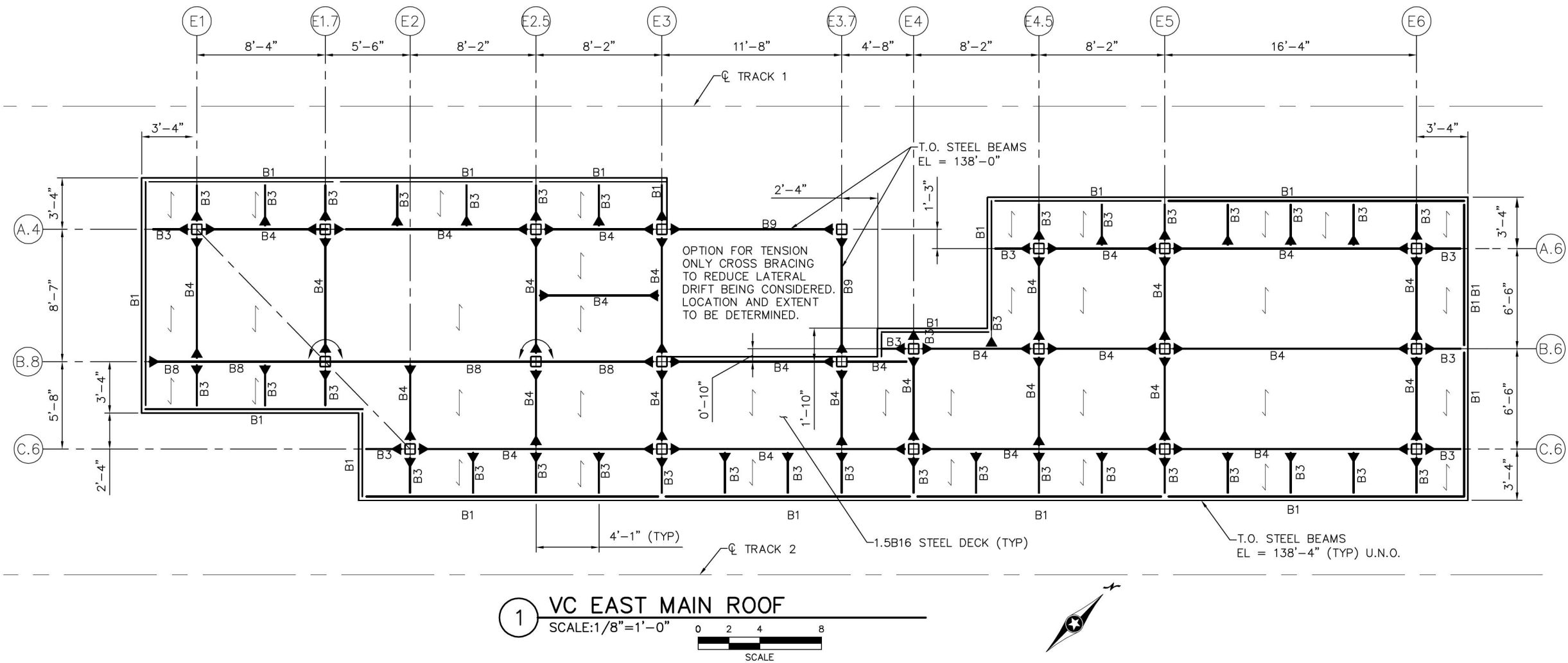
GENERAL NOTES:

- DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS, DETAILS, AND FIELD VERIFICATION.
- 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.
- COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED.

ROOF PLAN NOTES

- TOP OF STEEL BEAMS ELEVATION AS NOTED ON PLANS.
- INDICATES SPAN DIRECTION OF 1.5B16 STEEL ROOF DECK.
- MOMENT CONNECTIONS ARE DENOTED THUS ( ) ON PLAN OR PREQUALIFIED SHOP WELDED OR FIELD WELDED CONNECTION.
- INDICATES BEAM IS CONTINUOUS OVER COLUMN.
- DENOTES HSS8X8X5/8 TUBE STEEL COLUMN
- SEE STR-GEN-601 TO 602 FOR CONNECTION DETAILS.

BEAM SCHEDULE	
MARK	SIZE
B1	C12x20.7
B2	W8x18
B3	W12x16
B4	HSS12x6x $\frac{1}{2}$
B5	HSS12x6x $\frac{1}{2}$
B6	HSS18x6x $\frac{1}{2}$
B7	HSS18x6x $\frac{1}{2}$
B8	HSS16x8x $\frac{1}{2}$
B9	HSS6x4x $\frac{1}{4}$



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn



CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
VC EAST MAIN ROOF  
FRAMING PLAN

DISCIPLINE:  
STRUCTURES

SHEET NAME:  
E3-WST-STR-PLN-411

60% SUBMISSION - 09/28/15

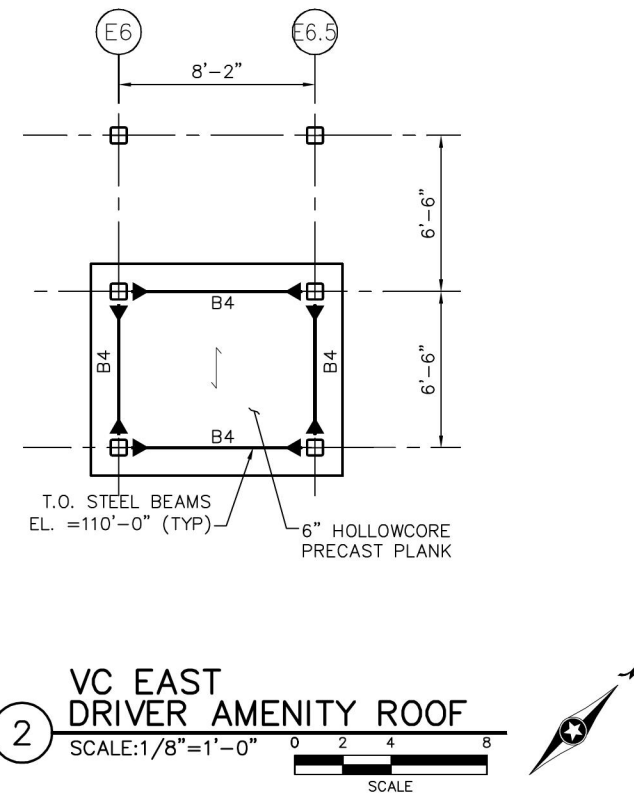
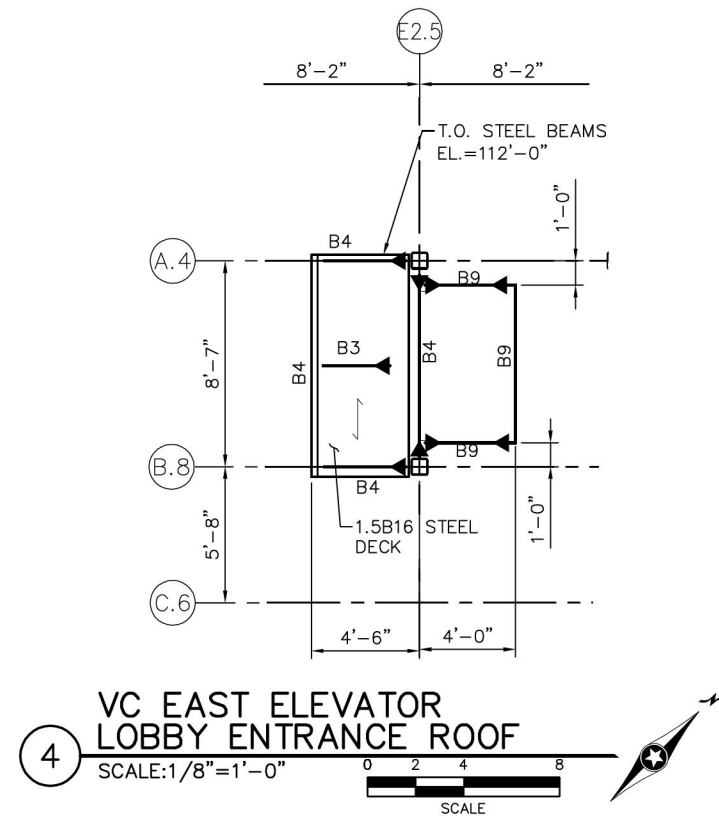
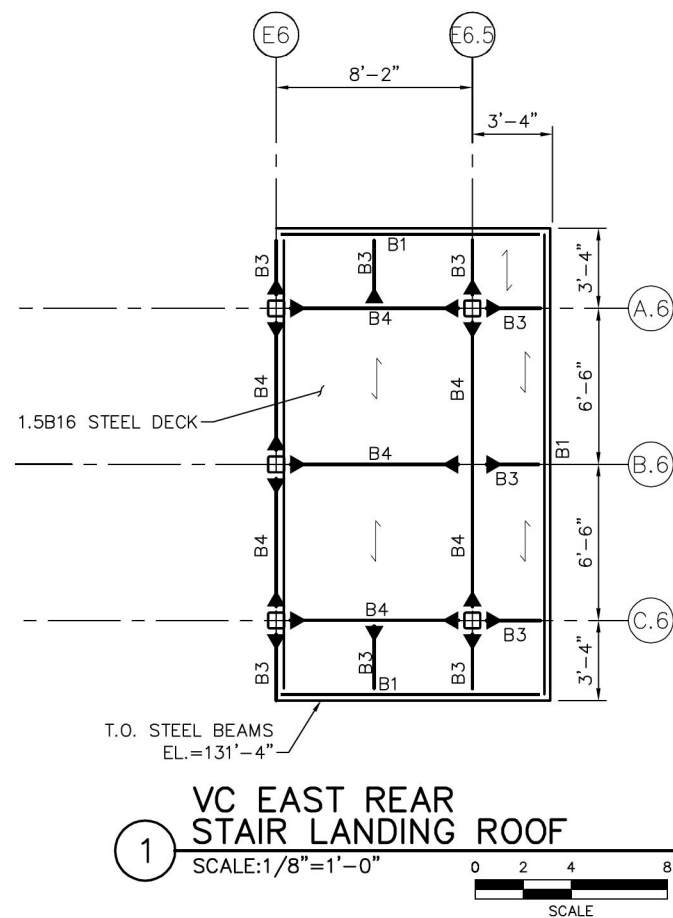
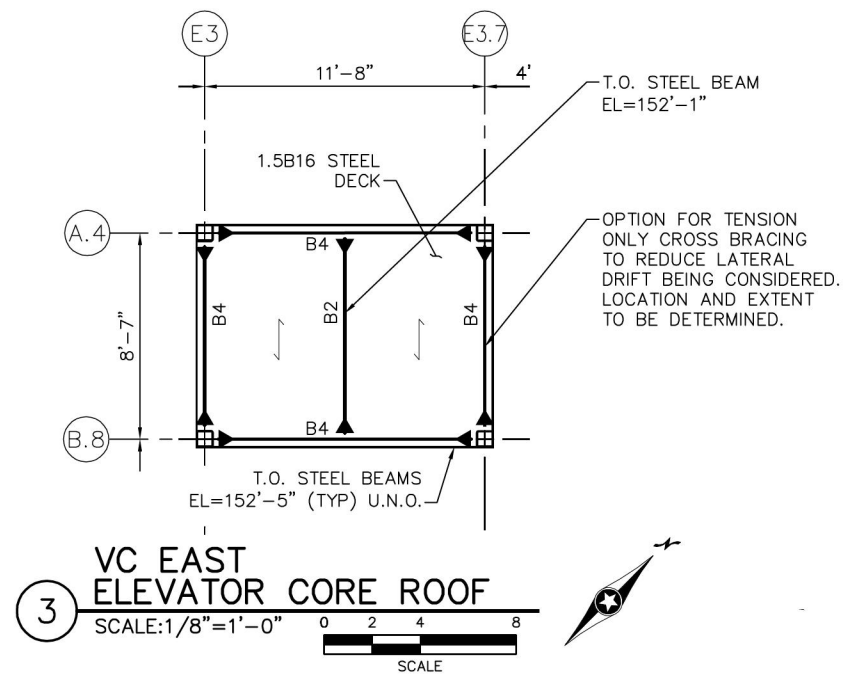
SHEET  
268  
OF  
320







Sep. 21 2015 01:12 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\271 E3-WST-STR-PLN-414.dwg By: scott.shepard



#### GENERAL NOTES:

- DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS, DETAILS, AND FIELD VERIFICATION.
- 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.
- COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED.

#### ROOF PLAN NOTES

- TOP OF STEEL BEAMS ELEVATION AS NOTED ON PLAN.
- INDICATES SPAN DIRECTION OF 1.5B16 STEEL ROOF DECK UNLESS NOTED OTHERWISE.
- MOMENT CONNECTIONS ARE DENOTED THUS ( ) ON PLAN OR PREQUALIFIED SHOP WELDED OR FIELD WELDED CONNECTION.
- INDICATES BEAM IS CONTINUOUS OVER COLUMN.
- DENOTES HSS8X8X5/8 COLUMN
- SEE STR-GEN-601 TO 602 FOR CONNECTION DETAILS.

BEAM SCHEDULE	
MARK	SIZE
B1	C12x20.7
B2	W8x18
B3	W12x16
B4	HSS12x6x1/4
B5	HSS12x6x1/2
B6	HSS18x6x5/8
B7	HSS18x6x1/2
B8	HSS16x8x1/2
B9	HSS6x4x1/8

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM** Kimley»Horn

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC EAST PARTIAL ROOF**  
**FRAMING PLAN**

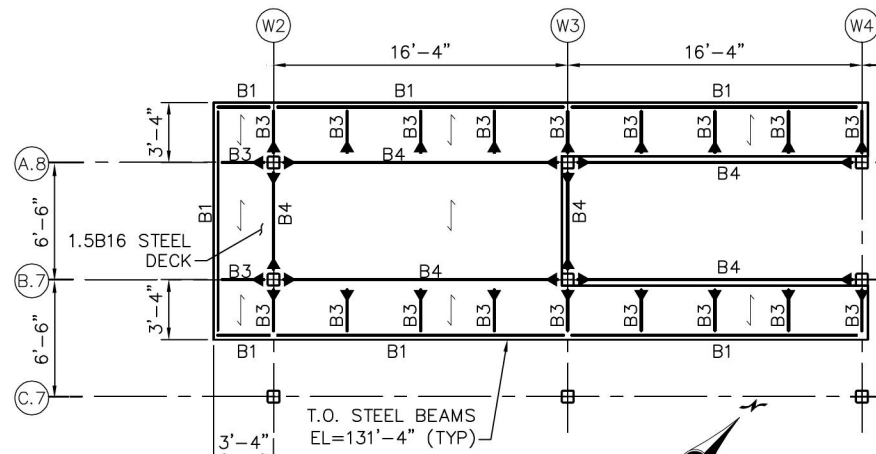
DISCIPLINE: STRUCTURES

SHEET NAME: E3-WST-STR-PLN-413

**SHEET**  
**270**  
**OF**  
**320**



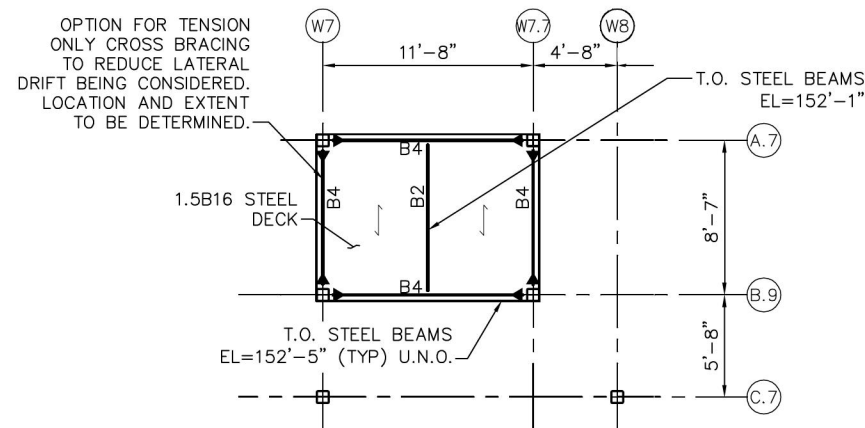
Sep. 21 2015 01:12 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\271 E3-WST-STR-PLN-414.dwg By: scott.shepard



5 VC WEST STAIR ROOF 1

SCALE: 3/32" = 1'-0" 0 2'-8" 5'-4" 10'-8"

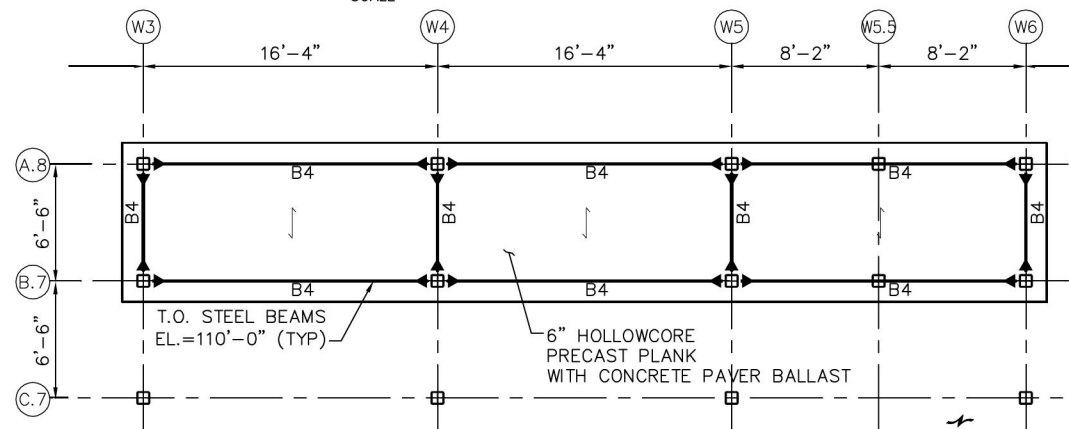
SCALE



3 VC WEST ELEVATOR CORE ROOF

SCALE: 3/32" = 1'-0" 0 2'-8" 5'-4" 10'-8"

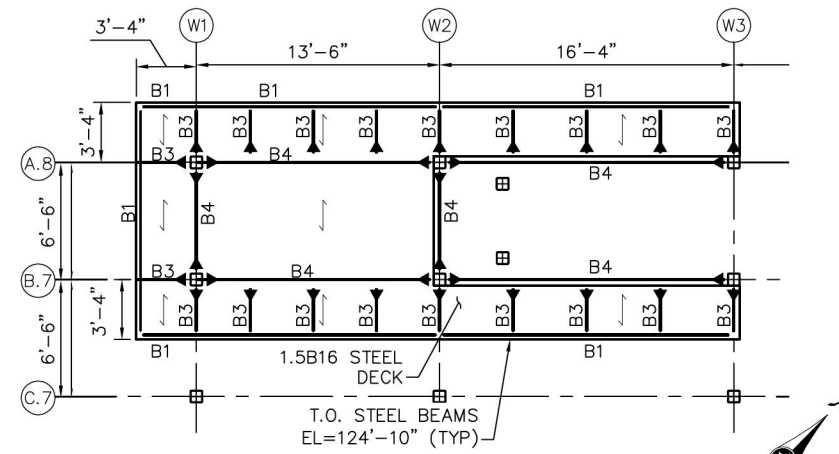
SCALE



1 VC WEST DRIVER AMENITY ROOF

SCALE: 3/32" = 1'-0" 0 2'-8" 5'-4" 10'-8"

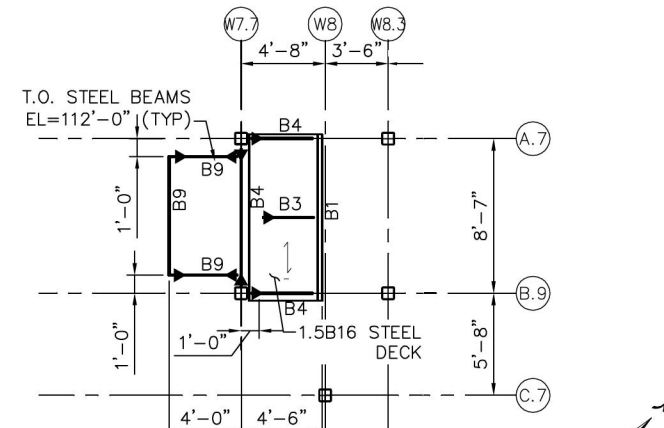
SCALE



6 VC WEST STAIR ROOF 2

SCALE: 3/32" = 1'-0" 0 2'-8" 5'-4" 10'-8"

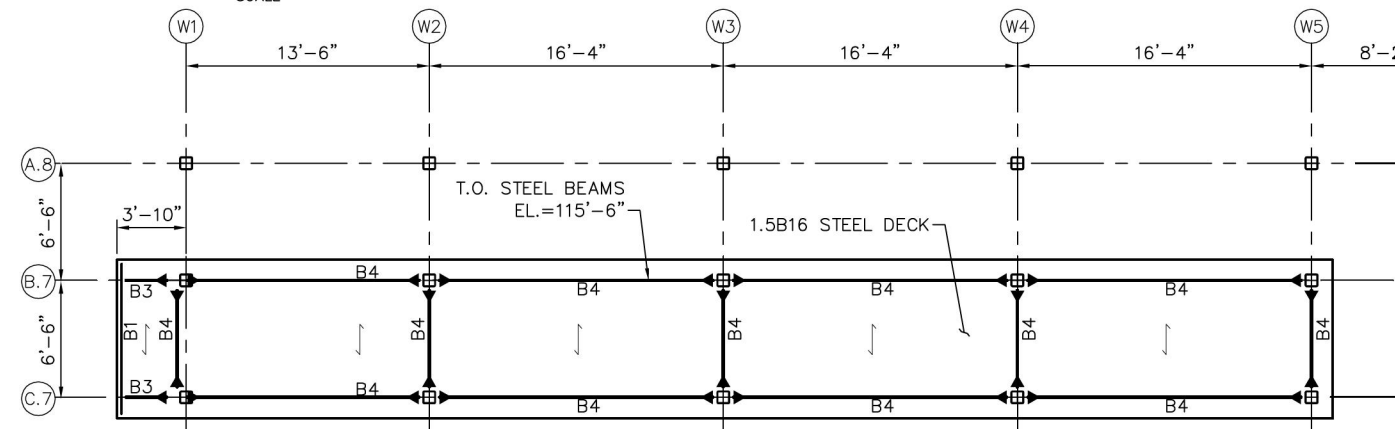
SCALE



4 VC WEST ELEVATOR LOBBY ENTRANCE ROOF

SCALE: 3/32" = 1'-0" 0 2'-8" 5'-4" 10'-8"

SCALE



2 VC WEST PLATFORM ACCESS ROOF

SCALE: 3/32" = 1'-0" 0 2'-8" 5'-4" 10'-8"

SCALE

### GENERAL NOTES:

- DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS, DETAILS, AND FIELD VERIFICATION.
- 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.
- COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED..

### ROOF PLAN NOTES

- TOP OF STEEL BEAMS LEVATION AS NOTED ON PLAN.
- INDICATES SPAN DIRECTION OF 1.5B16 STEEL ROOF DECK UNLESS NOTED OTHERWISE.
- MOMENT CONNECTIONS ARE DENOTED THUS ( ) ON PLAN OR PREQUALIFIED SHOP WELDED OR FIELD WELDED CONNECTION.
- INDICATES BEAM IS CONTINUOUS OVER COLUMN.
- DENOTES HSS8X8X5/8 COLUMN.
- SEE STR-GEN-601 TO 602 FOR CONNECTION DETAILS.

BEAM SCHEDULE	
MARK	SIZE
B1	C12x20.7
B2	W8x18
B3	W12x16
B4	HSS12x6x1/4
B5	HSS12x6x1/2
B6	HSS18x6x1/8
B7	HSS18x6x1/2
B8	HSS16x8x1/2
B9	HSS6x4x1/8

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM Kimley»Horn**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
VC WEST PARTIAL ROOF  
FRAMING PLAN**

DISCIPLINE: **STRUCTURES**

SHEET NAME: **E3-WST-STR-PLN-414**

**SHEET**  
271  
OF  
320



Sep. 21 2015 01:12 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\273 E3-WST-STR-PLN-416.dwg By: scott.shepard

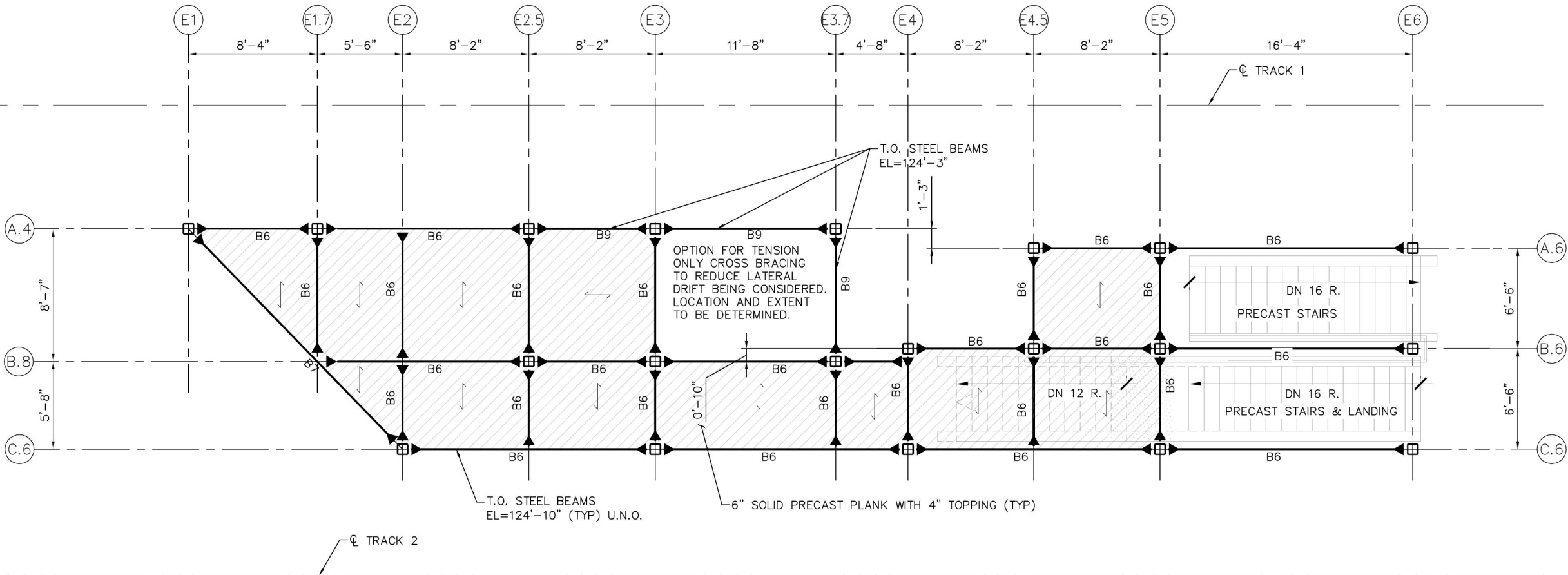
GENERAL NOTES:

- DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS, DETAILS, AND FIELD VERIFICATION.
- 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.
- COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED.

ROOF PLAN NOTES

- TOP OF STEEL BEAMS LEVATION AS NOTED ON PLAN.
- ↔ INDICATES SPAN DIRECTION OF 1.5B16 STEEL ROOF DECK UNLESS NOTED OTHERWISE.
- MOMENT CONNECTIONS ARE DENOTED THUS (◀▶) ON PLAN OR PREQUALIFIED SHOP WELDED OR FIELD WELDED CONNECTION.
- ⤿ INDICATES BEAM IS CONTINUOUS OVER COLUMN.
- DENOTES HSS8X8X5/8 COLUMN.
- SEE STR-GEN-601 TO 602 FOR CONNECTION DETAILS.

BEAM SCHEDULE	
MARK	SIZE
B1	C12x20.7
B2	W8x18
B3	W12x16
B4	HSS12x6x $\frac{1}{4}$
B5	HSS12x6x $\frac{1}{2}$
B6	HSS18x6x $\frac{5}{8}$
B7	HSS18x6x $\frac{1}{2}$
B8	HSS16x8x $\frac{1}{2}$
B9	HSS6x4x $\frac{5}{8}$



1 VC EAST BRIDGE LEVEL  
SCALE: 1/8" = 1'-0"  
0 2 4 8  
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn



CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
VC EAST BRIDGE LEVEL  
FRAMING PLAN

DISCIPLINE: STRUCTURES

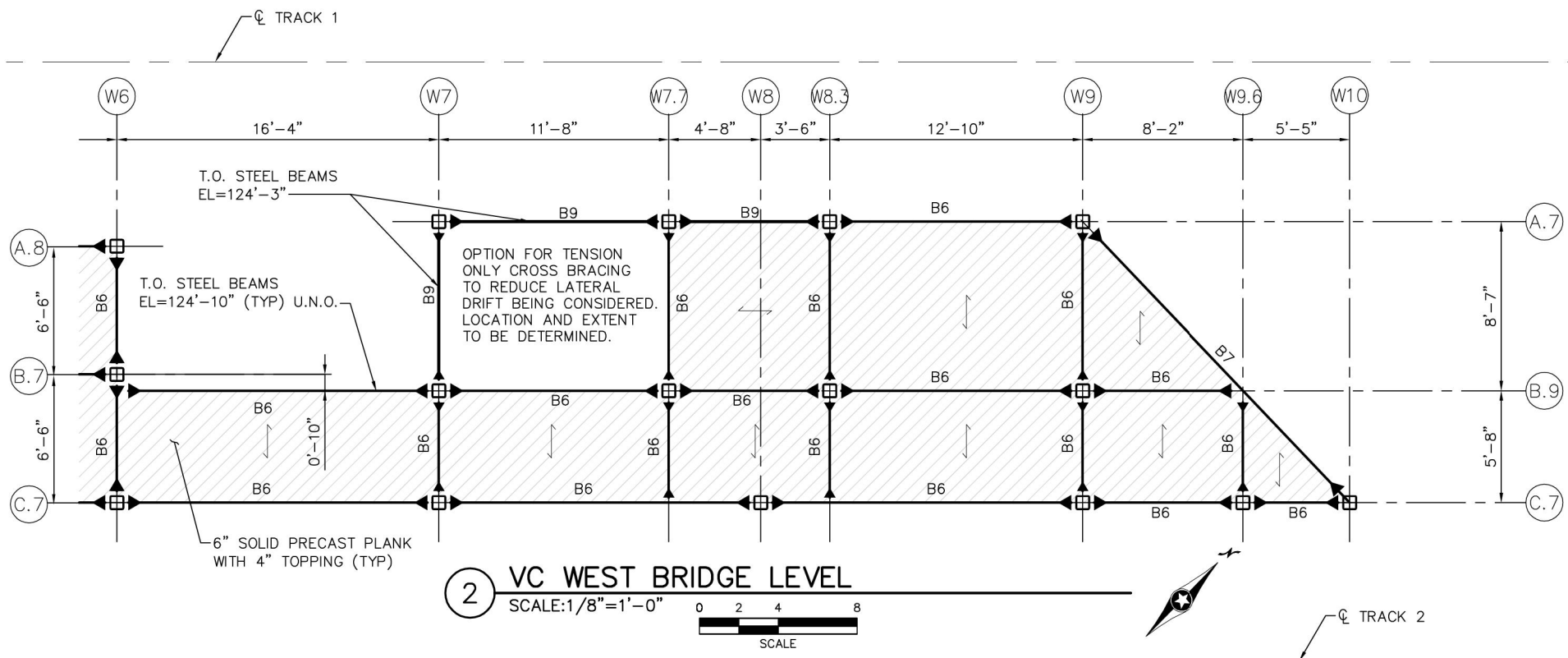
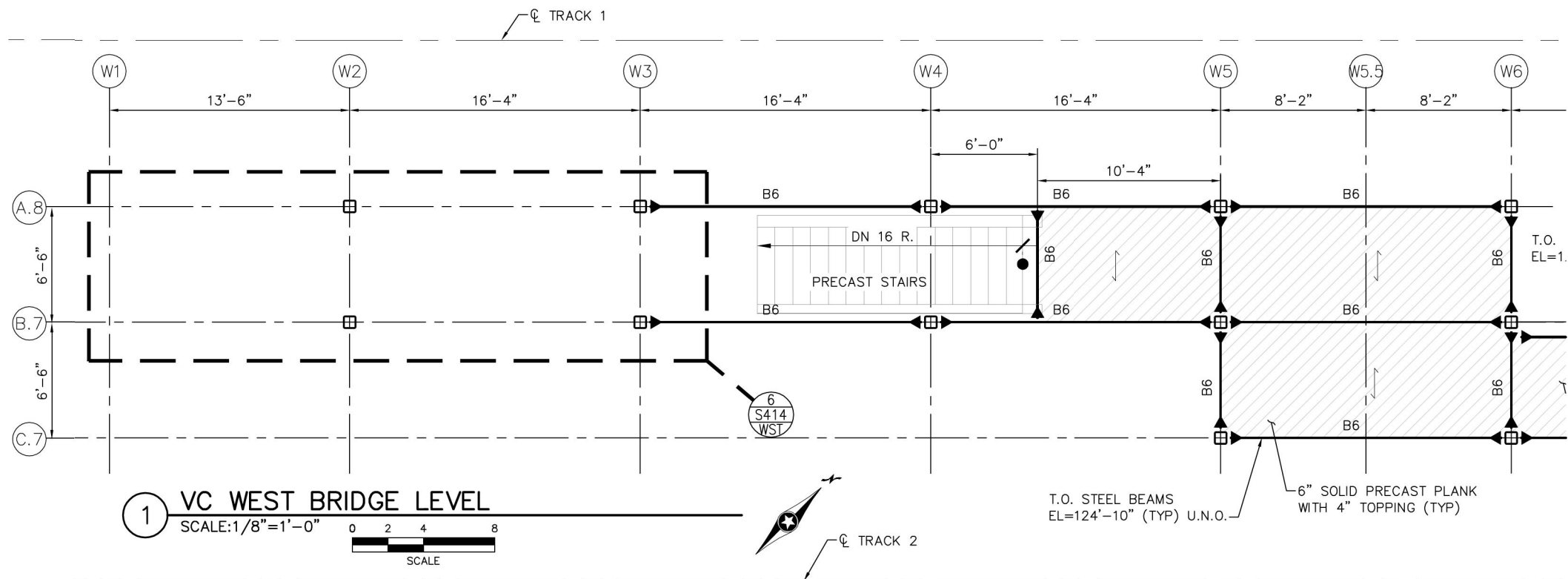
SHEET NAME: E3-WST-STR-PLN-415

SHEET  
272  
OF  
320

60% SUBMISSION - 09/28/15



Sep. 21 2015 01:13 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\273 E3-WST-STR-PLN-416.dwg By: scott.shepard



#### GENERAL NOTES:

- DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS, DETAILS, AND FIELD VERIFICATION.
- 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.
- COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED.

#### ROOF PLAN NOTES

- TOP OF STEEL BEAMS LEVATION AS NOTED ON PLAN.
- INDICATES SPAN DIRECTION OF 1.5B16 STEEL ROOF DECK UNLESS NOTED OTHERWISE.
- MOMENT CONNECTIONS ARE DENOTED THUS ( ) ON PLAN OR PREQUALIFIED SHOP WELDED OR FIELD WELDED CONNECTION.
- INDICATES BEAM IS CONTINUOUS OVER COLUMN.
- DENOTES HSS8X8X5/8 COLUMN.
- SEE STR-GEN-601 TO 602 FOR CONNECTION DETAILS.

BEAM SCHEDULE	
MARK	SIZE
B1	C12x20.7
B2	W8x18
B3	W12x16
B4	HSS12x6x $\frac{1}{2}$
B5	HSS12x6x $\frac{1}{2}$
B6	HSS18x6x $\frac{1}{2}$
B7	HSS18x6x $\frac{1}{2}$
B8	HSS16x8x $\frac{1}{2}$
B9	HSS6x4x $\frac{1}{2}$

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM Kimley»Horn**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
VC WEST BRIDGE LEVEL PLAN  
FRAMING PLAN**

DISCIPLINE: **STRUCTURES**

SHEET NAME: **E3-WST-STR-PLN-416**

**SHEET  
273  
OF  
320**



Sep. 21 2015 01:13 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\275 E3-WST-STR-PLN-418.dwg By: scott.shepard

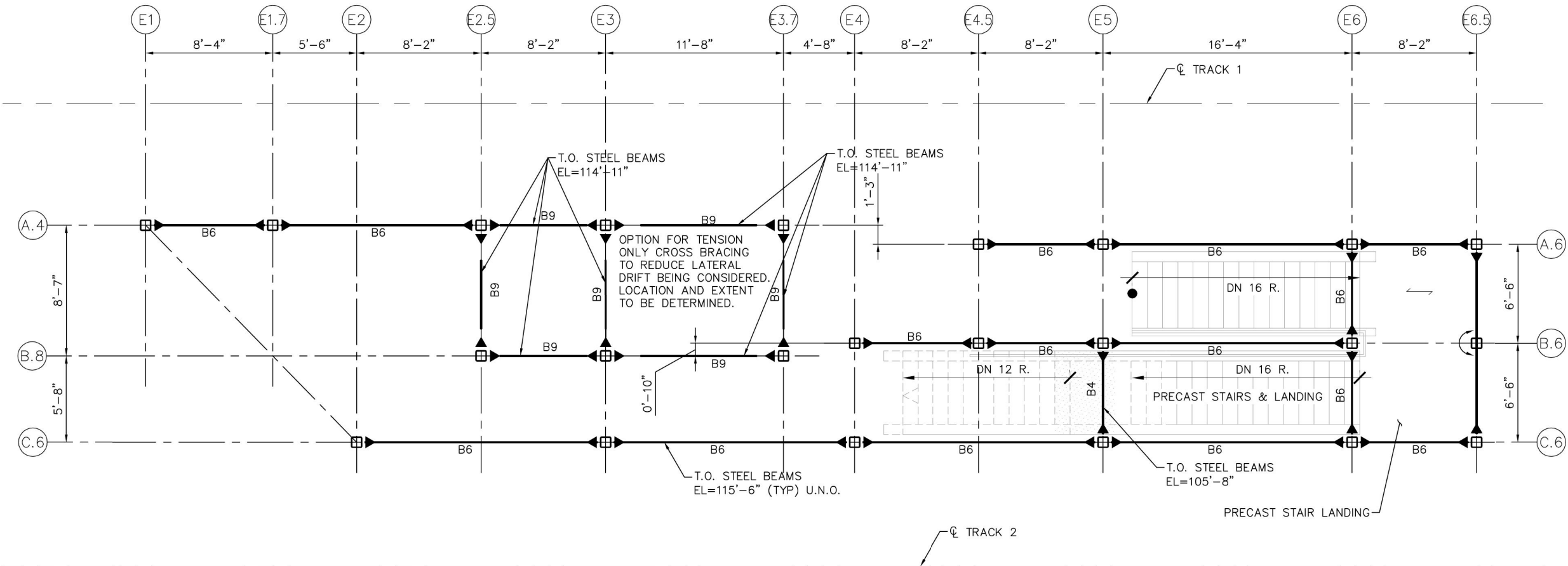
GENERAL NOTES:

- DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS, DETAILS, AND FIELD VERIFICATION.
- 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.
- COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED.

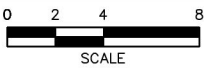
ROOF PLAN NOTES

- TOP OF STEEL BEAMS LEVATION AS NOTED ON PLAN.
- INDICATES SPAN DIRECTION OF 1.5B16 STEEL ROOF DECK UNLESS NOTED OTHERWISE.
- MOMENT CONNECTIONS ARE DENOTED THUS ( ) ON PLAN OR PREQUALIFIED SHOP WELDED OR FIELD WELDED CONNECTION.
- INDICATES BEAM IS CONTINUOUS OVER COLUMN.
- DENOTES HSS8X8X5/8 COLUMN.
- SEE STR-GEN-601 TO 602 FOR CONNECTION DETAILS.

BEAM SCHEDULE	
MARK	SIZE
B1	C12x20.7
B2	W8x18
B3	W12x16
B4	HSS12x6x $\frac{1}{4}$
B5	HSS12x6x $\frac{1}{2}$
B6	HSS18x6x $\frac{5}{8}$
B7	HSS18x6x $\frac{1}{2}$
B8	HSS16x8x $\frac{1}{2}$
B9	HSS6x4x $\frac{5}{8}$



1 VC EAST STAIR LANDING LEVEL  
SCALE: 1/8" = 1'-0"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

60% SUBMISSION - 09/28/15

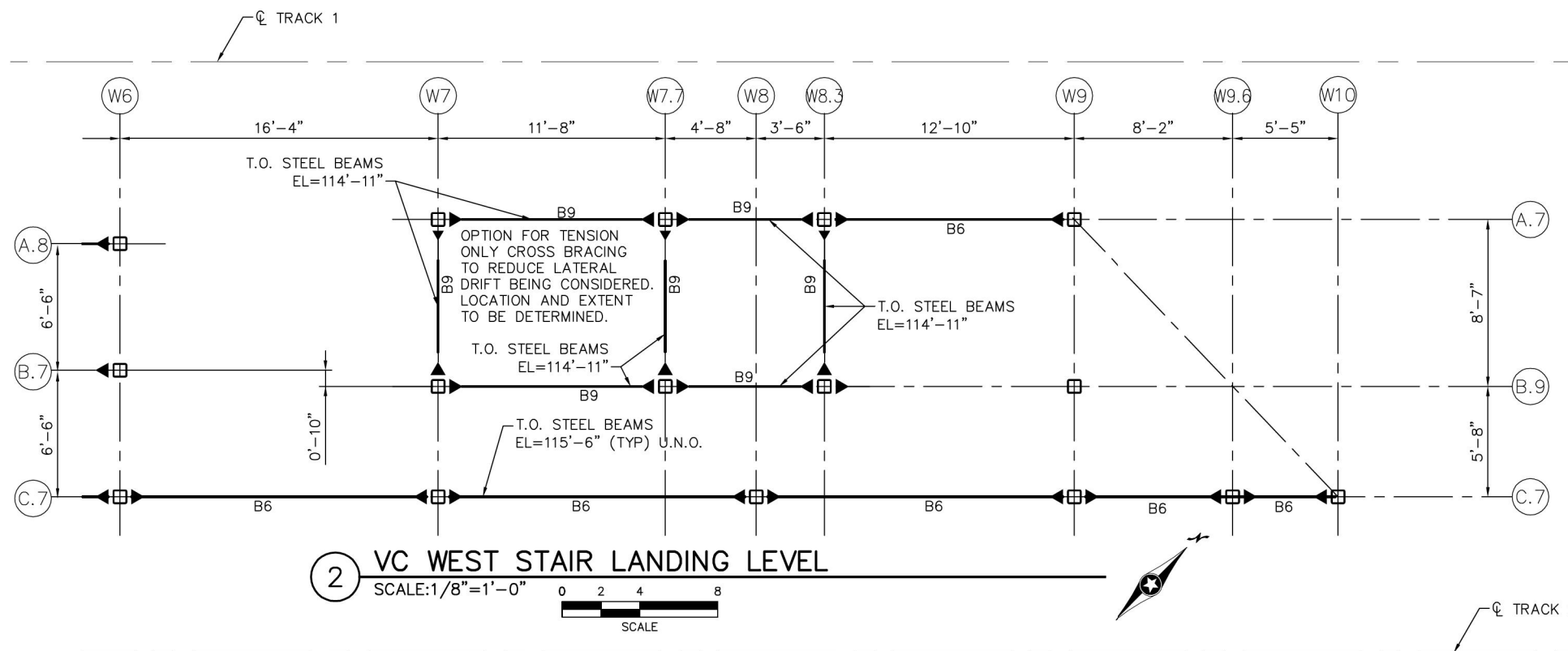
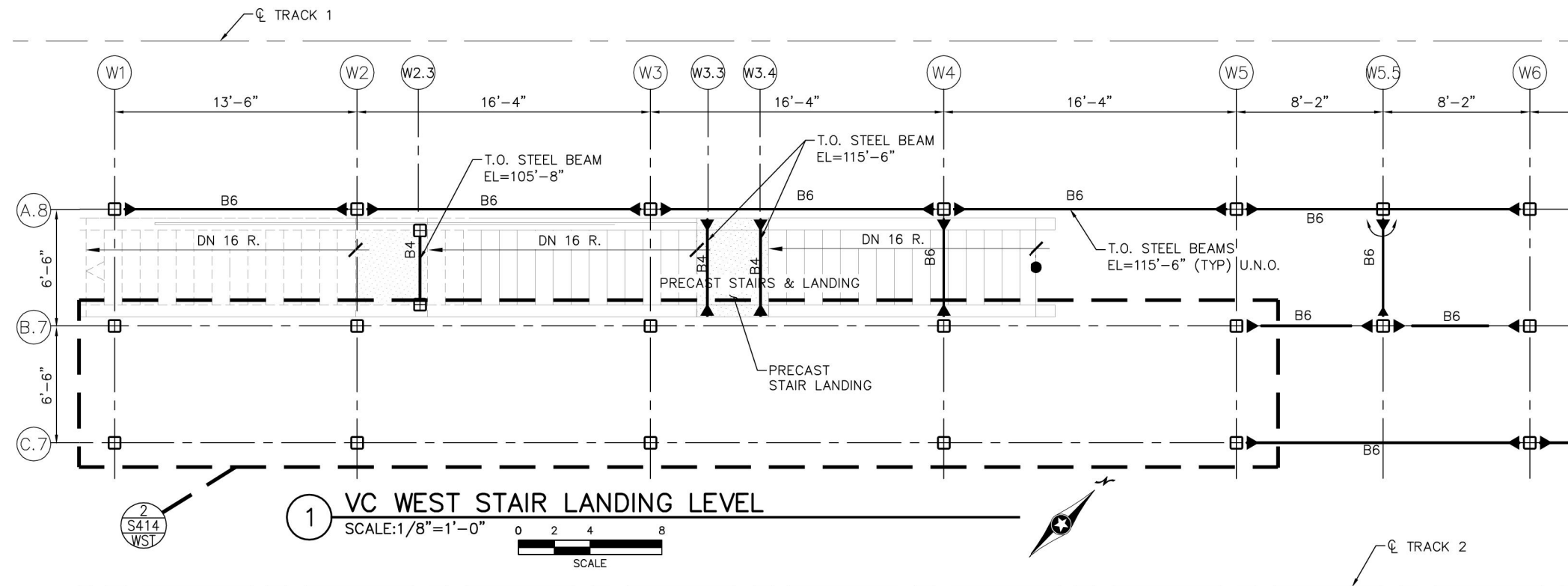


CIVIL EAST - VOLUME 11A WEST LAKE STATION VC EAST STAIR LANDING LEVEL FRAMING PLAN	
DISCIPLINE: STRUCTURES	SHEET NAME: E3-WST-STR-PLN-417

SHEET  
274  
OF  
320



Sep. 21 2015 01:13 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\275 E3-WST-STR-PLN-418.dwg By: scott.shepard



#### GENERAL NOTES:

- DO NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES, USE PLAN INFORMATION, DIMENSIONS, DETAILS, AND FIELD VERIFICATION.
- 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.
- COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES UNLESS OTHERWISE SPECIFIED.

#### ROOF PLAN NOTES

- TOP OF STEEL BEAMS LEVATION AS NOTED ON PLAN.
- INDICATES SPAN DIRECTION OF 1.5B16 STEEL ROOF DECK UNLESS NOTED OTHERWISE.
- MOMENT CONNECTIONS ARE DENOTED THUS ( ) ON PLAN OR PREQUALIFIED SHOP WELDED OR FIELD WELDED CONNECTION.
- INDICATES BEAM IS CONTINUOUS OVER COLUMN.
- DENOTES HSS8X8X5/8 COLUMN.
- SEE STR-GEN-601 TO 602 FOR CONNECTION DETAILS.

BEAM SCHEDULE	
MARK	SIZE
B1	C12x20.7
B2	W8x18
B3	W12x16
B4	HSS12x6x $\frac{1}{4}$
B5	HSS12x6x $\frac{1}{2}$
B6	HSS18x6x $\frac{5}{16}$
B7	HSS18x6x $\frac{1}{2}$
B8	HSS16x8x $\frac{1}{2}$
B9	HSS6x4x $\frac{5}{16}$

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM Kimley»Horn**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC WEST STAIR LANDING LEVEL**  
**FRAMING PLAN**

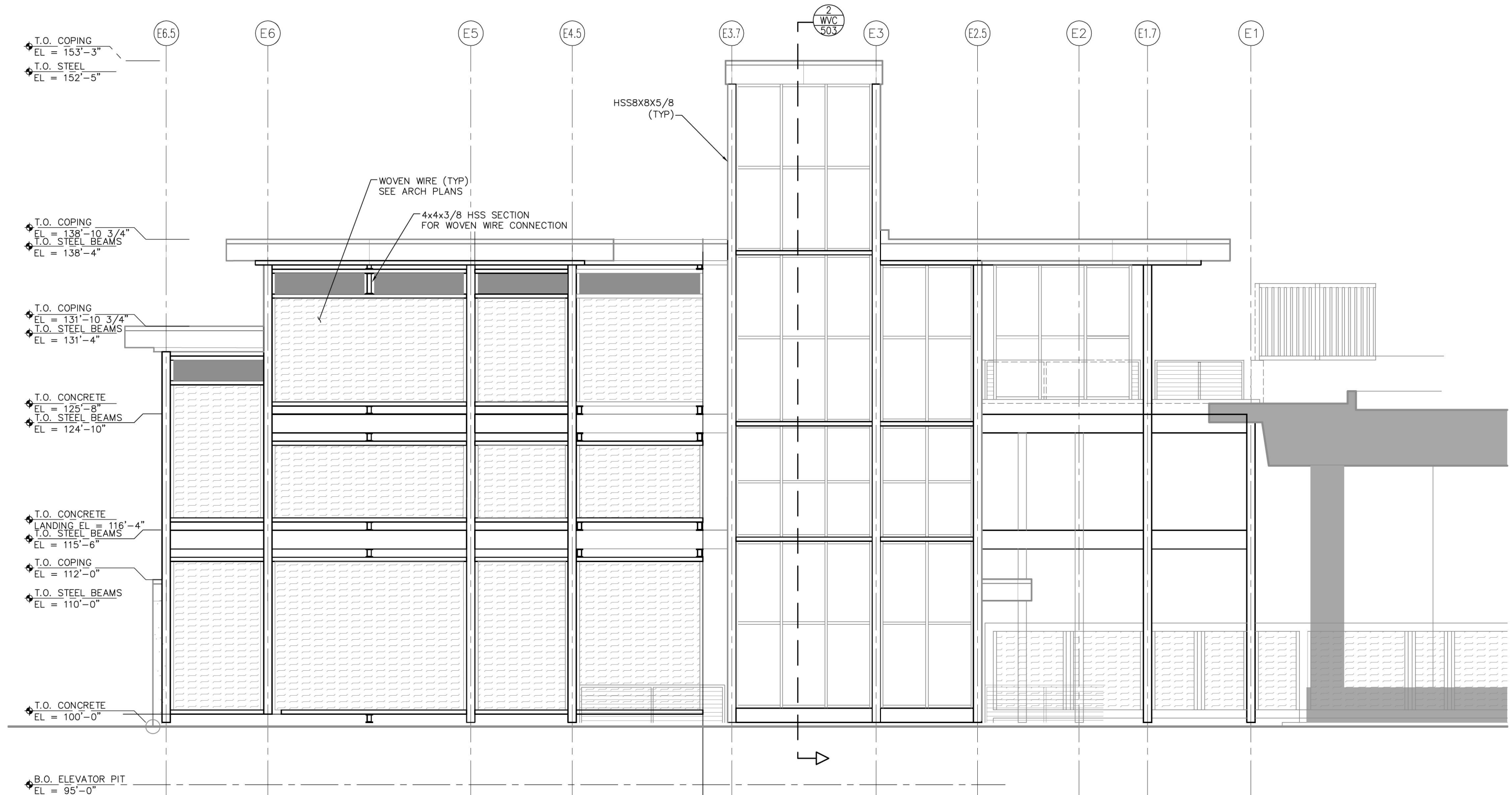
DISCIPLINE: **STRUCTURES**

SHEET NAME: **E3-WST-STR-PLN-418**

**SHEET**  
**275**  
**OF**  
**320**



Sep. 21 2015 01:14 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\277 E3-WST-STR-ELV-502.dwg By: scott.shepard



1 VC EAST TRACK 1 ELEVATION  
SCALE: 1/8" = 1'-0"  
0 2 4 8  
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM Kimley»Horn**

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
VC EAST TRACK 1  
ELEVATION**

DISCIPLINE:

**STRUCTURES**

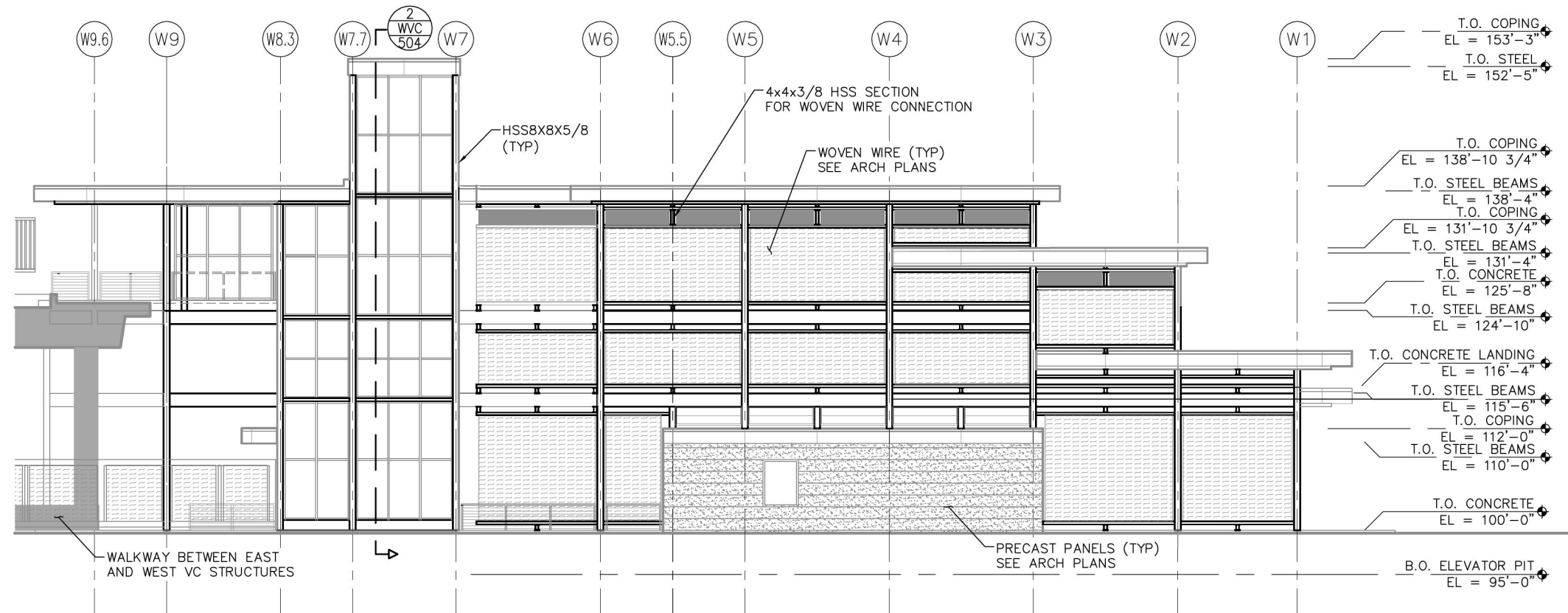
SHEET NAME:

**E3-WST-STR-ELV-501**

**SHEET  
276  
OF  
320**



Sep. 21 2015 01:14 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\277 E3-WST-STR-ELV-502.dwg By: scott.shepard



1 VC WEST TRACK 1 ELEVATION  
SCALE: 3/32" = 1'-0"  
0 2'-10" 5'-4" 10'-8"  
SCALE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM** Kimley»Horn

60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
VC WEST TRACK 1  
ELEVATION

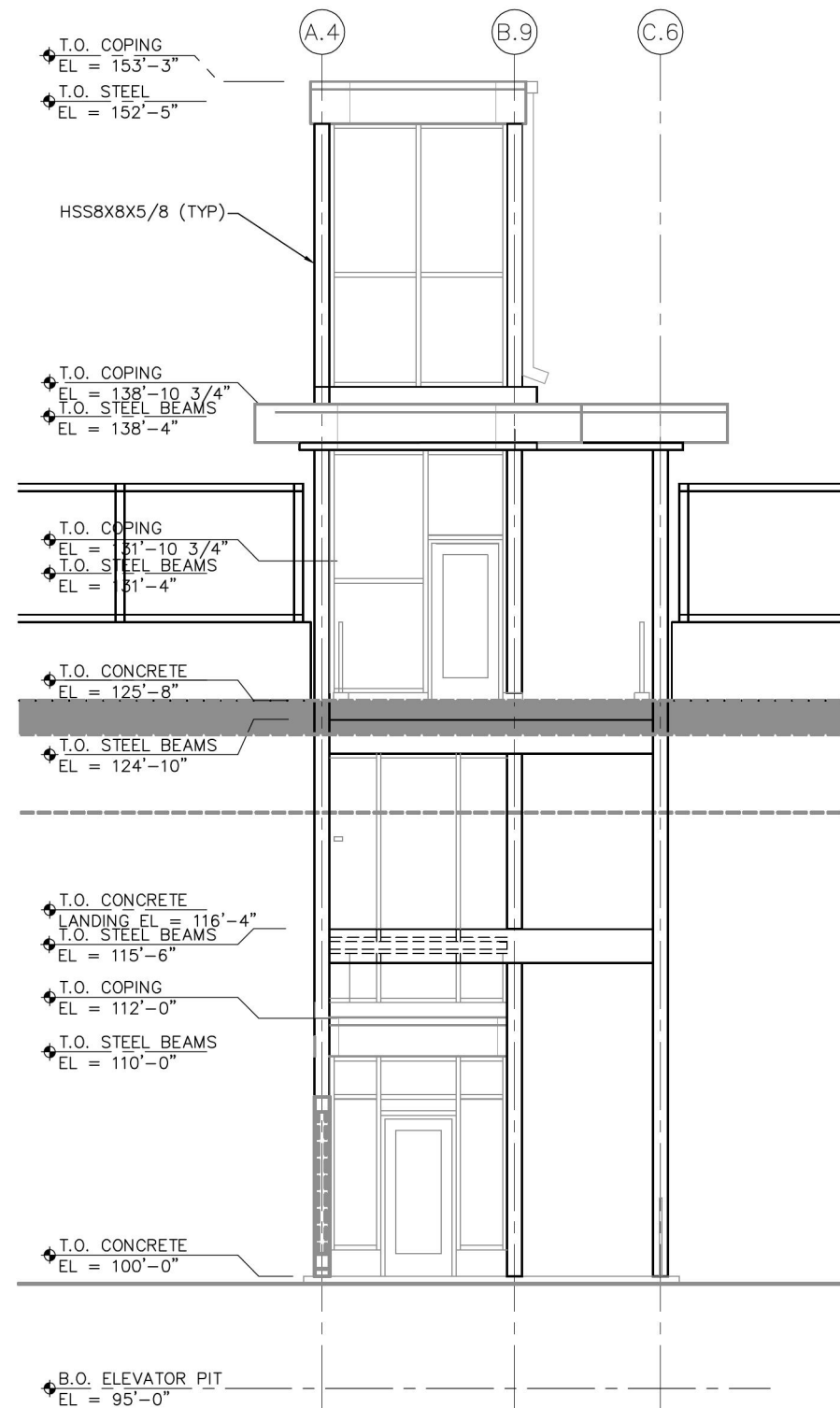
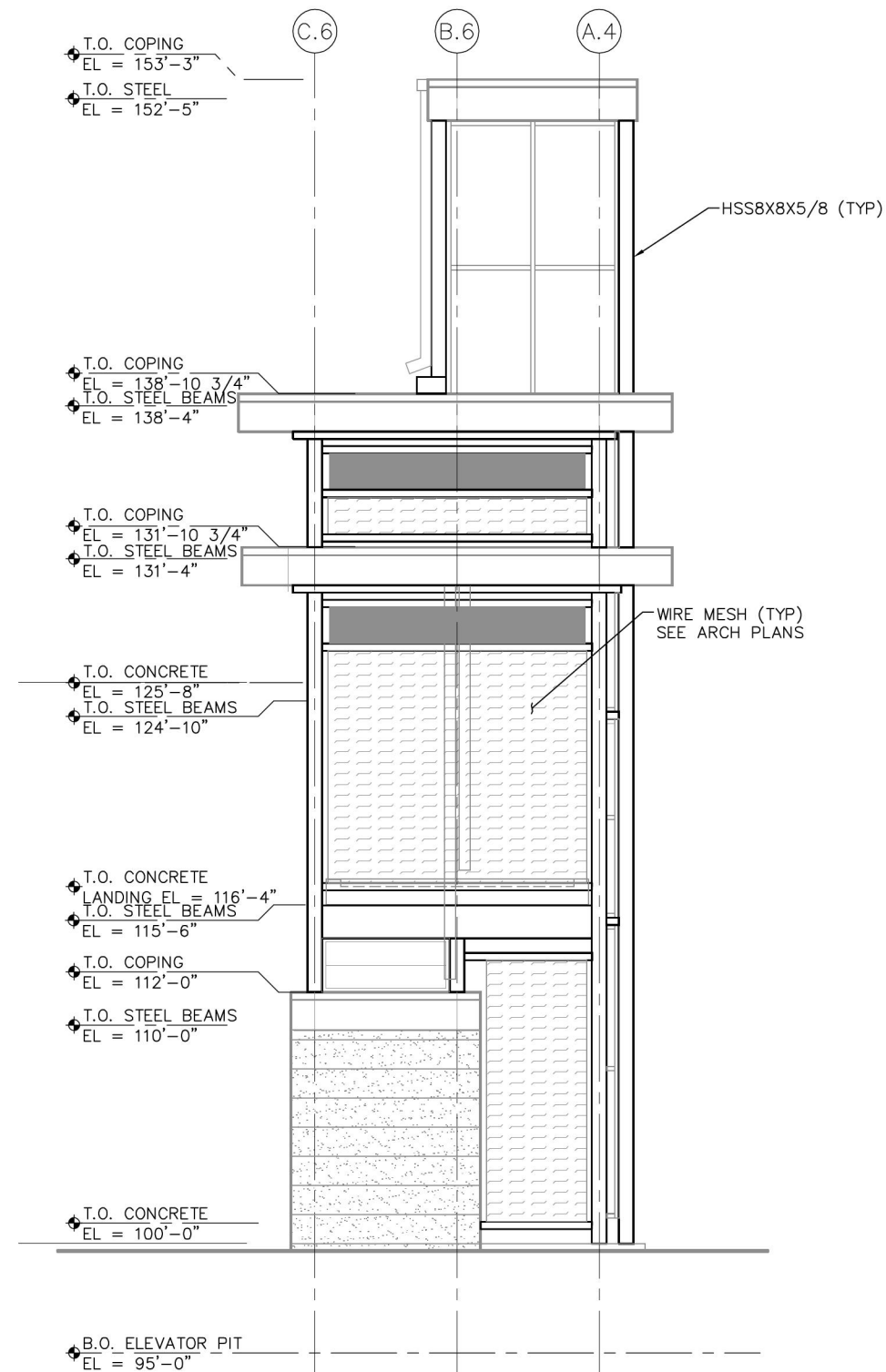
DISCIPLINE:  
STRUCTURES

SHEET NAME:  
E3-WST-STR-ELV-502

SHEET  
277  
OF  
320



Sep. 21 2015 01:14 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\279 E3-WST-STR-ELV-504.dwg By: scott.shepard



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM** Kimley»Horn

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC EAST**  
**SECTION VIEWS**

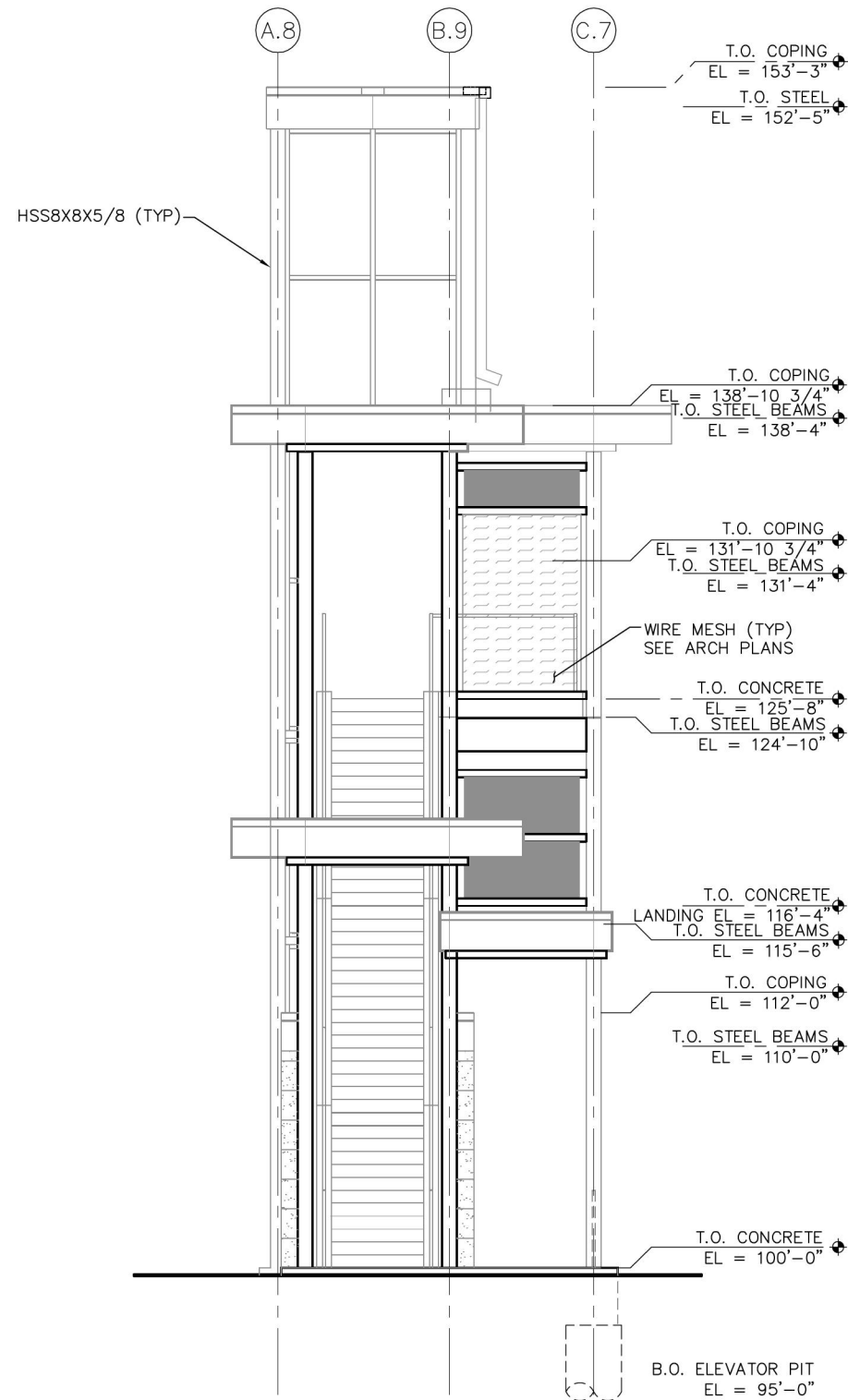
DISCIPLINE:  
**STRUCTURES**

SHEET NAME:  
**E3-WST-STR-ELV-503**

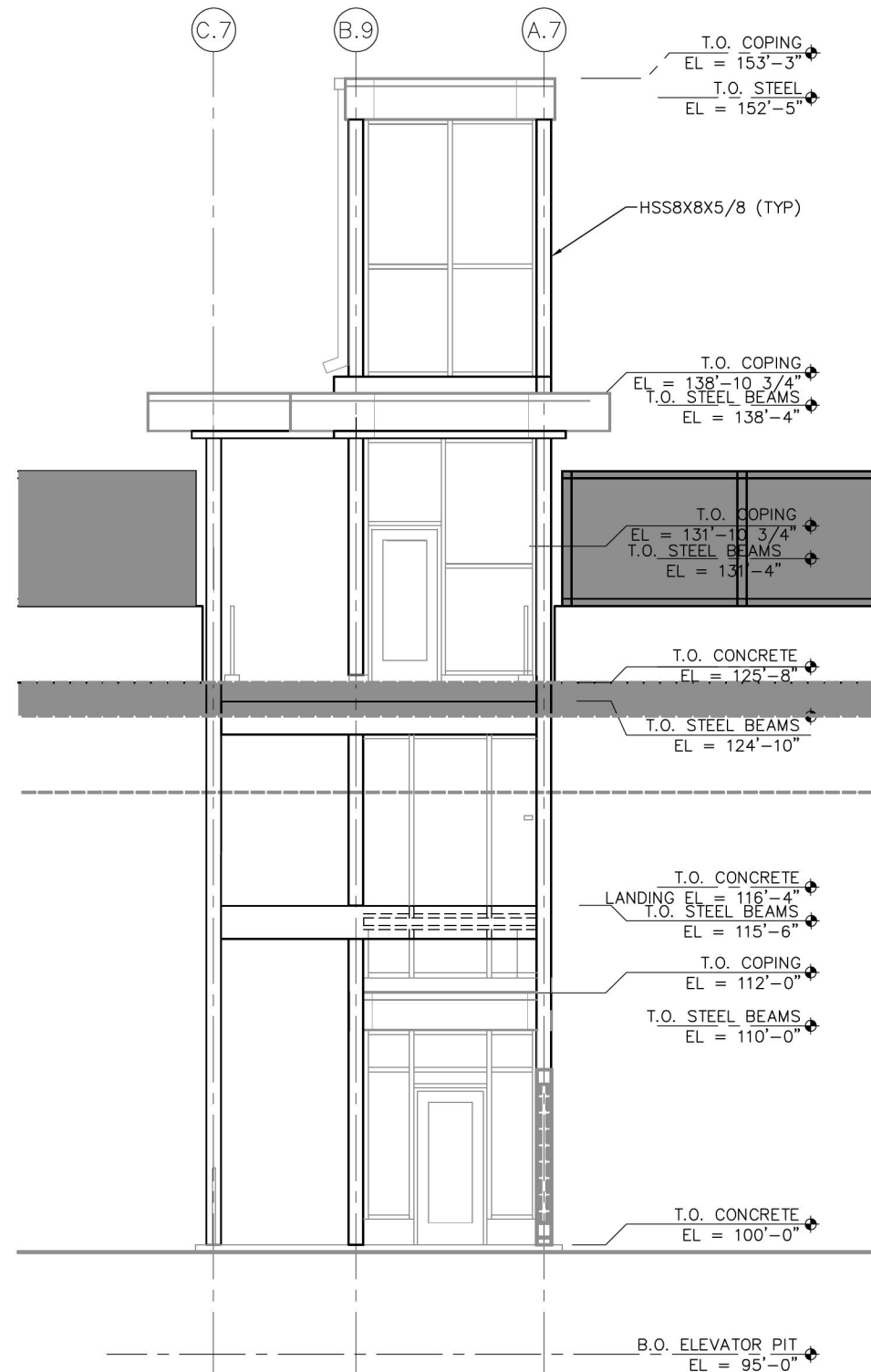
**SHEET**  
**278**  
**OF**  
**320**



Sep. 21 2015 01:14 pm V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\STRUCTURES\WVC-STATION\279 E3-WST-STR-ELV-504.dwg By: scott.shepard



1 VC WEST SECTION (EAST ELEVATION)



2 VC WEST SECTION (WEST ELEVATION)

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM** Kimley»Horn

60% SUBMISSION - 09/28/15



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC WEST**  
**SECTION VIEWS**

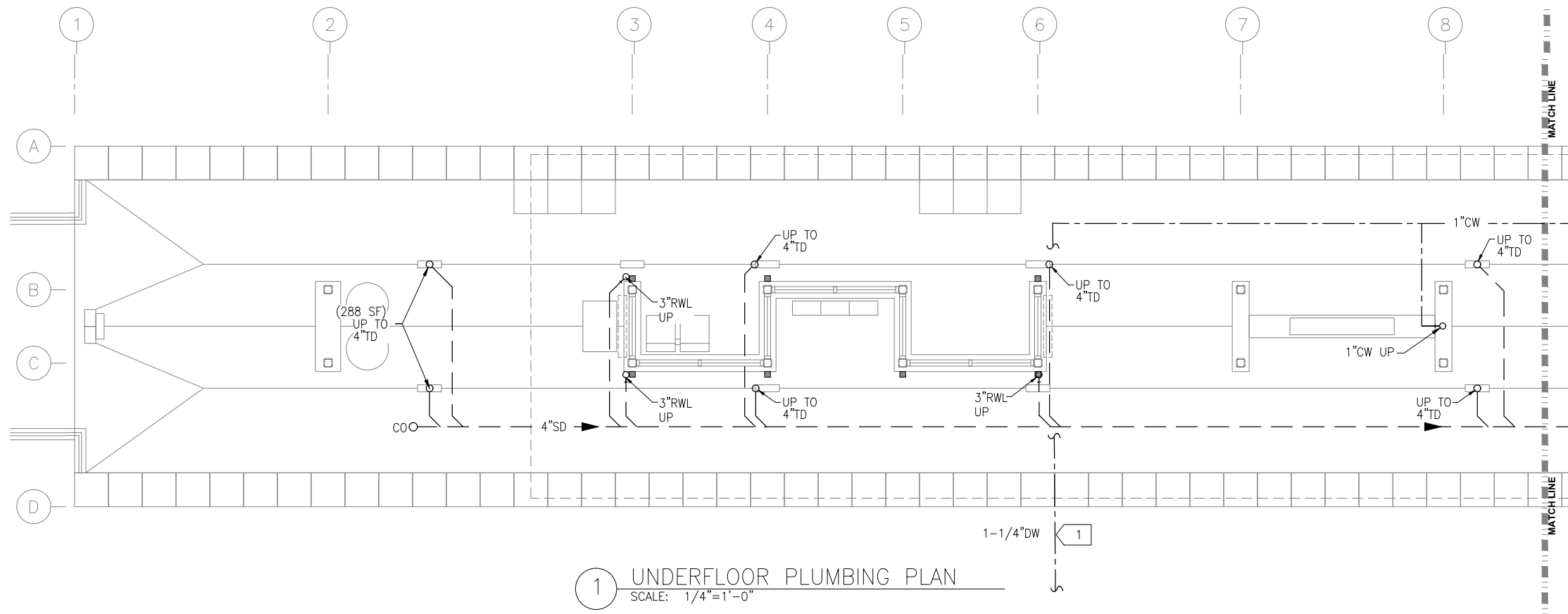
DISCIPLINE:  
**STRUCTURES**

SHEET NAME:  
**E3-WST-STR-ELV-504**

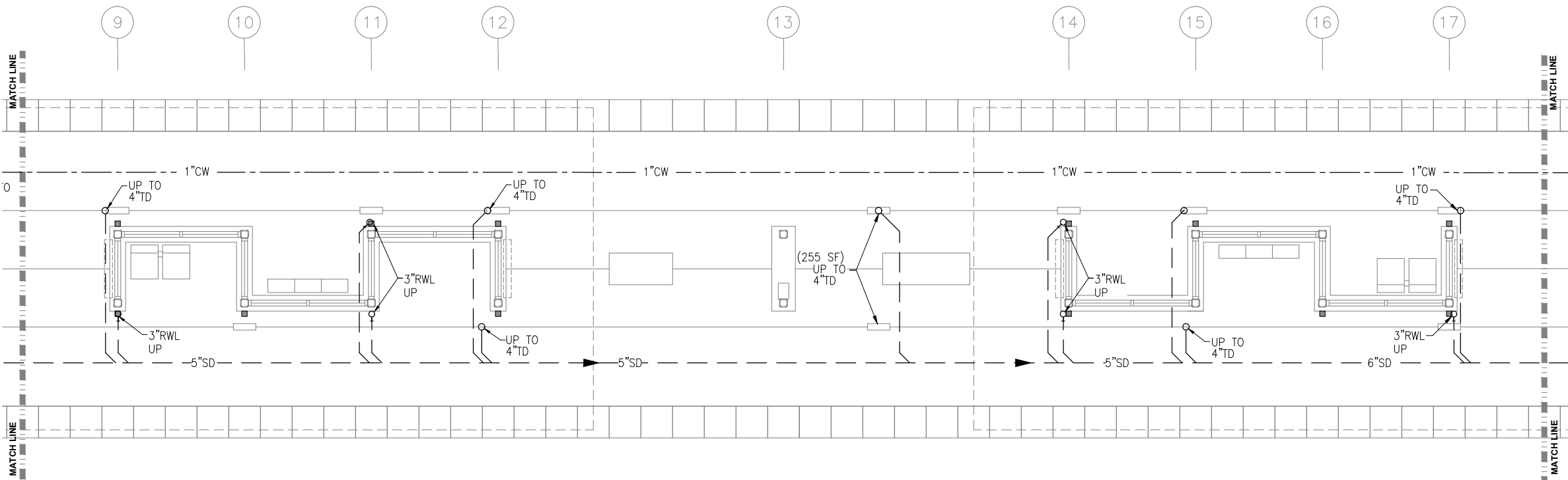
**SHEET**  
**279**  
**OF**  
**320**



Sep. 21 2015 01:46 pm Z:\Projects\AECOM SWLRT west\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\MECHANICAL\WEST LAKE STATION\E3-WST-PLM-PLN-100.dwg By: craig



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



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

PLUMBING GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
- MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
- REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS AND LAYOUT.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR STORM DOWNSPOUT MATERIAL.

PLUMBING KEY NOTES:

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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**ENGINEERING • LLC**  
CERTIFIED WOMEN'S  
BUSINESS ENTERPRISE



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**WEST AND MIDDLE PARTIAL**  
**UNDERFLOOR PLUMBING PLAN**

DISCIPLINE:  
**PLUMBING**

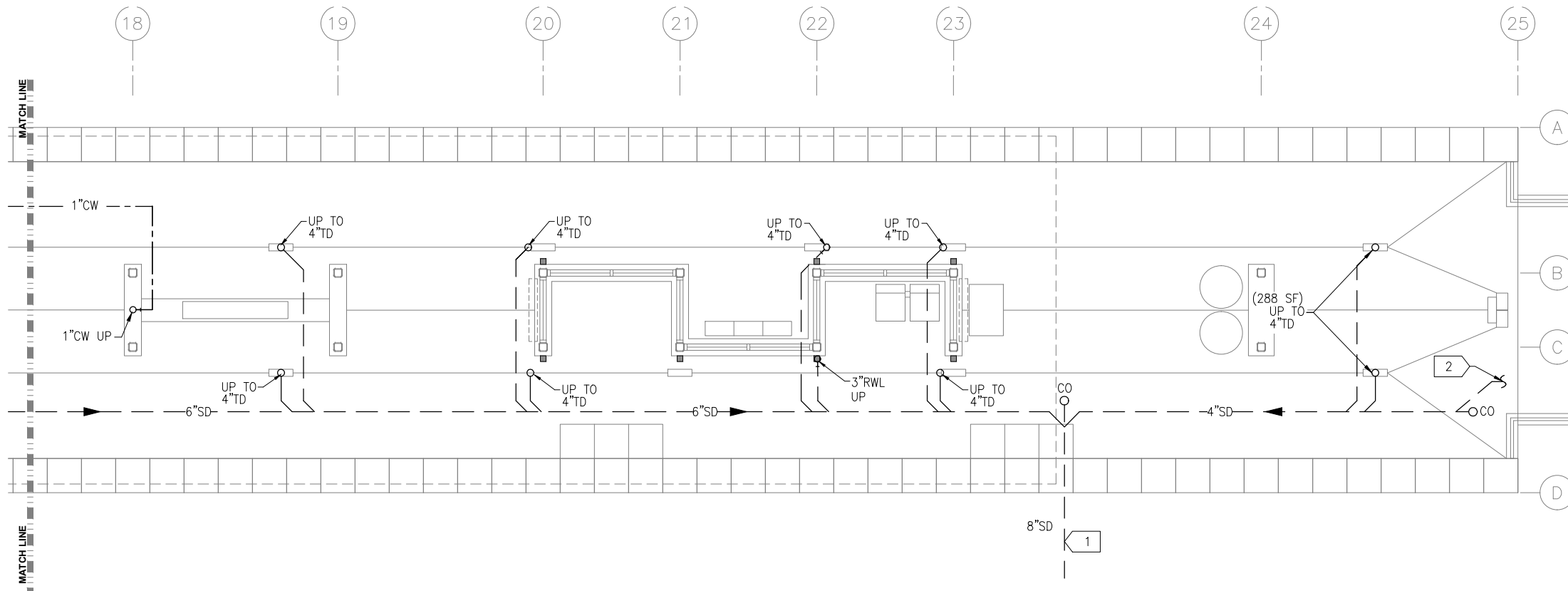
SHEET NAME:  
**E3-WST-PLM-PLN-100**

**SHEET**  
**279**  
**OF**  
**319**

**60% SUBMISSION - 09/28/15**



Sep. 21 2015 01:46 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



**PLUMBING GENERAL NOTES**

- A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES 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.

**PLUMBING KEY NOTES:**

- 1 EXTEND WATER AND STORM OUTSIDE GUIDEWAY. CONNECTION BY OUTDOOR UTILITY CONTRACTOR.
- 2 8\"/>

1 UNDERFLOOR PLUMBING PLAN  
SCALE: 1/4\"/>

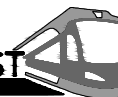
NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**ENGINEERING • LLC**  
CERTIFIED WOMEN'S  
BUSINESS ENTERPRISE



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
EAST PARTIAL UNDERFLOOR  
PLUMBING PLAN**

DISCIPLINE:  
**PLUMBING**

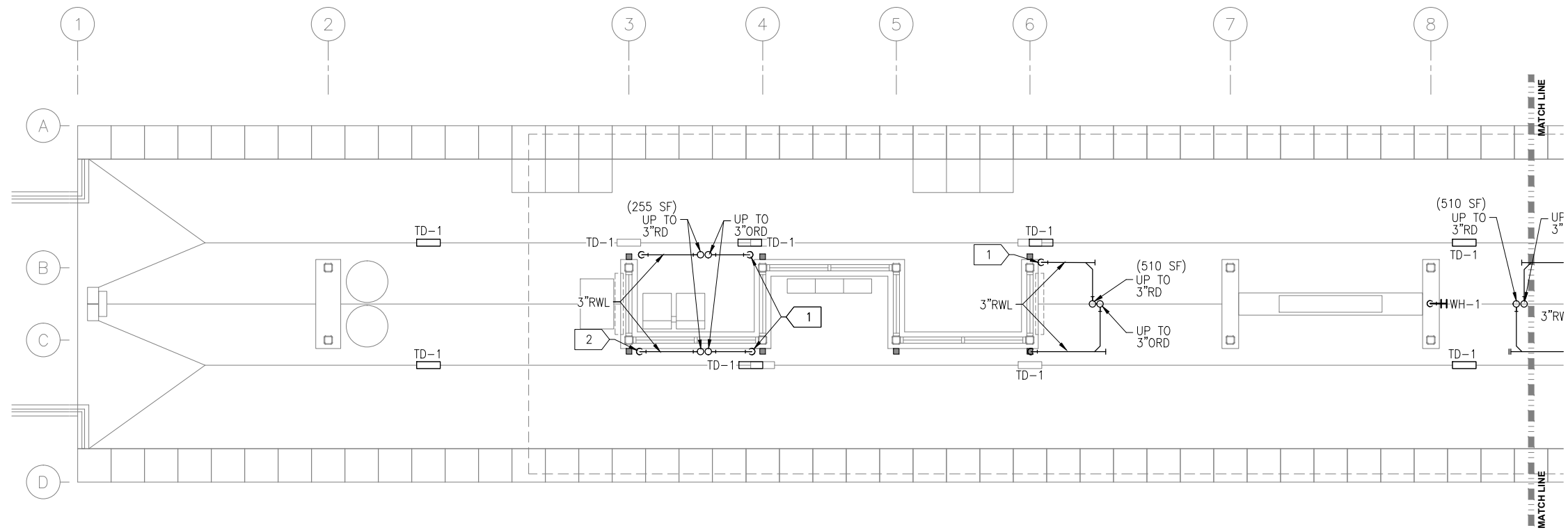
SHEET NAME:  
**E3-WST-PLM-PLN-101**

**SHEET**  
**280**  
**OF**  
**319**

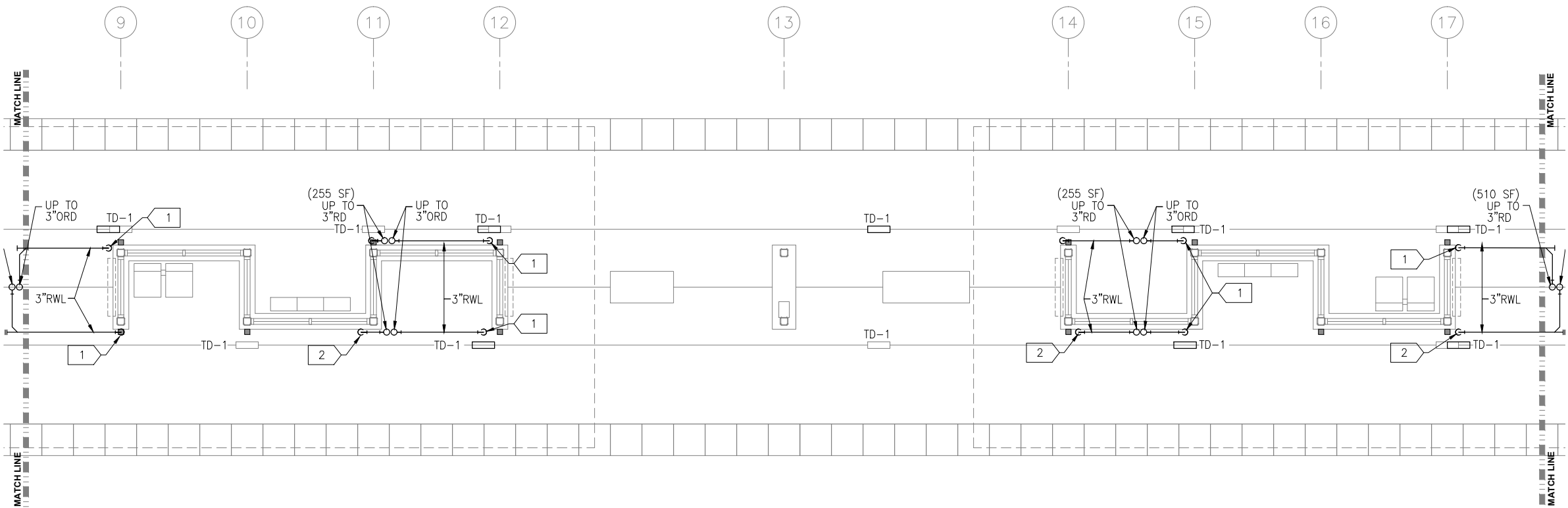
**60% SUBMISSION - 09/28/15**



Sep. 21 2015 01:45 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 PLUMBING PLAN  
SCALE: 1/4"=1'-0"



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

- PLUMBING GENERAL NOTES
- A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES 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.

- PLUMBING KEY NOTES
- 1 3x3 RWL DOWN TO DAYLIGHT ABOVE TD-1. SEE ARCHITECTURAL DOCUMENTS FOR RAIN WATER LEADER MATERIAL AND SHAPE.
  - 2 3x3 RWL DOWN TO JOSAM..... CONNECTION TO 3" UNDERFLOOR STORM DRAIN.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
WEST AND MIDDLE PARTIAL  
PLUMBING PLAN

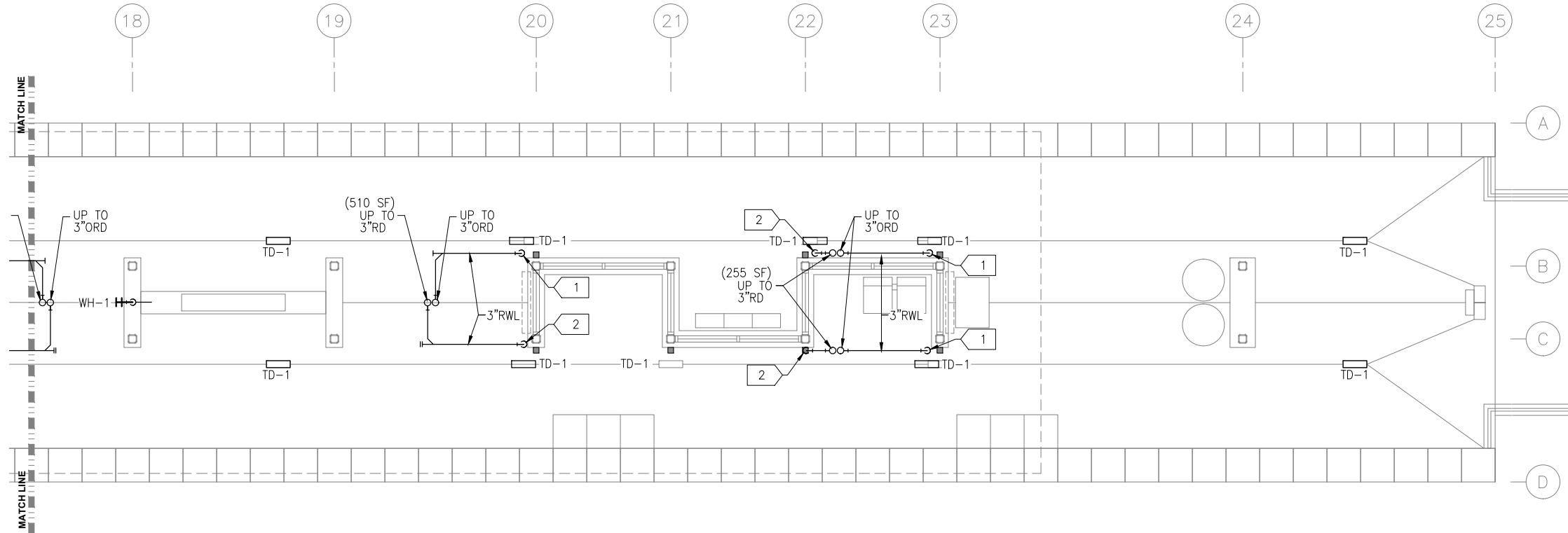
DISCIPLINE: PLUMBING  
SHEET NAME: E3-WST-PLM-PLN-110

60% SUBMISSION - 09/28/15

SHEET 281 OF 319



Sep. 21 2015 01:45 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



PLUMBING GENERAL NOTES





- CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
- MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
- REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS AND LAYOUT.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR STORM DOWNSPOUT MATERIAL.

PLUMBING KEY NOTES

- 3x3 RWL DOWN TO DAYLIGHT ABOVE TD-1. SEE ARCHITECTURAL DOCUMENTS FOR RAIN WATER LEADER MATERIAL AND SHAPE.
- 3x3 RWL DOWN TO JOSAM..... CONNECTION TO 3" UNDERFLOOR STORM DRAIN.

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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



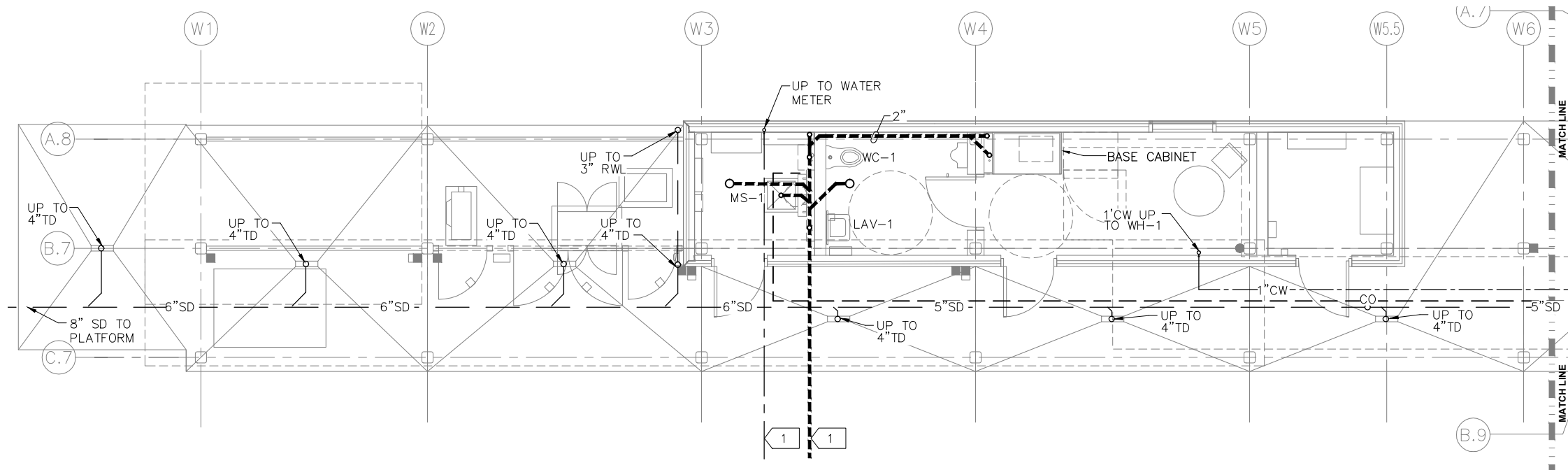
CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
EAST PARTIAL PLUMBING PLAN  
AND RISER DIAGRAMS

DISCIPLINE: PLUMBING

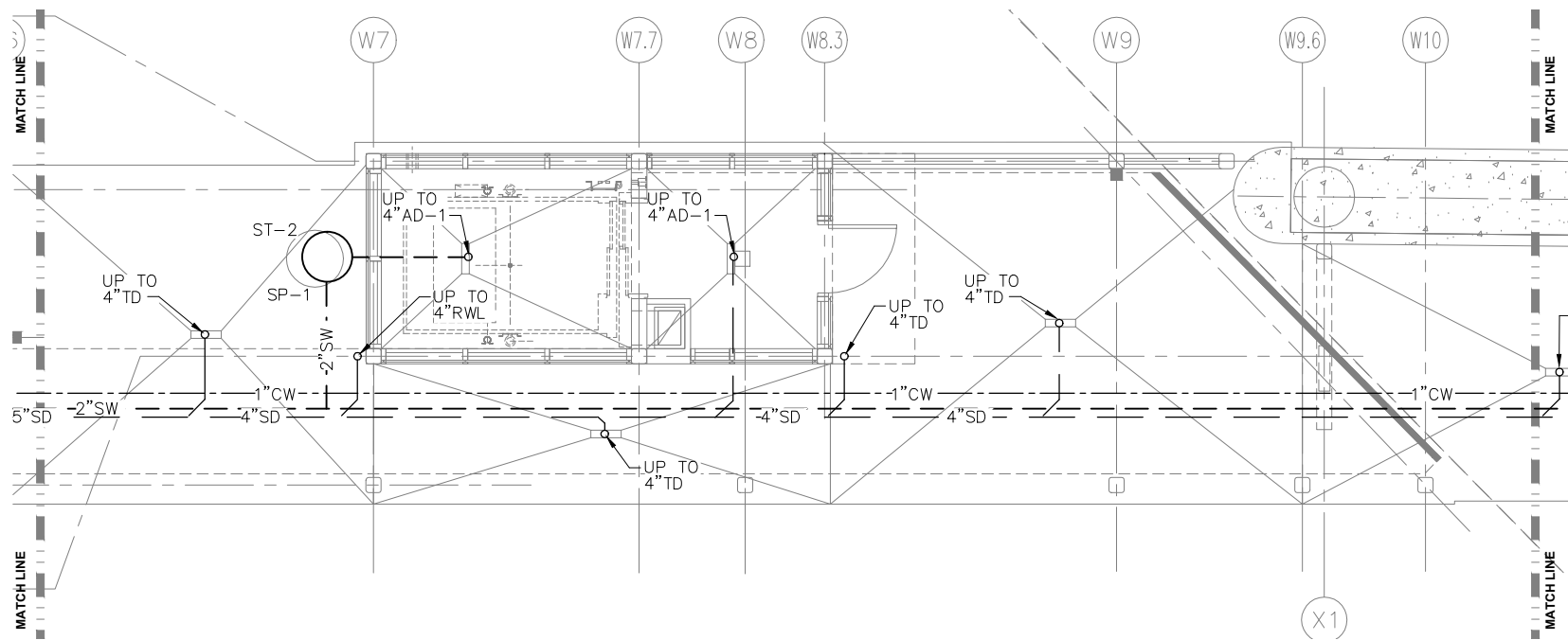
SHEET NAME: E3-WST-PLM-PLN-111



Sep. 21 2015 02:01 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-130.dwg By: oralg



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



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

PLUMBING GENERAL NOTES

- A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES 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.

PLUMBING KEY NOTES:

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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

ENGINEERING • LLC  
CERTIFIED WOMEN'S  
BUSINESS ENTERPRISE



SOUTHWEST  
Green Line LRT Extension



CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
VC UNDERFLOOR WEST PLATFORM  
LEVEL PLUMBING PLAN

DISCIPLINE:  
PLUMBING

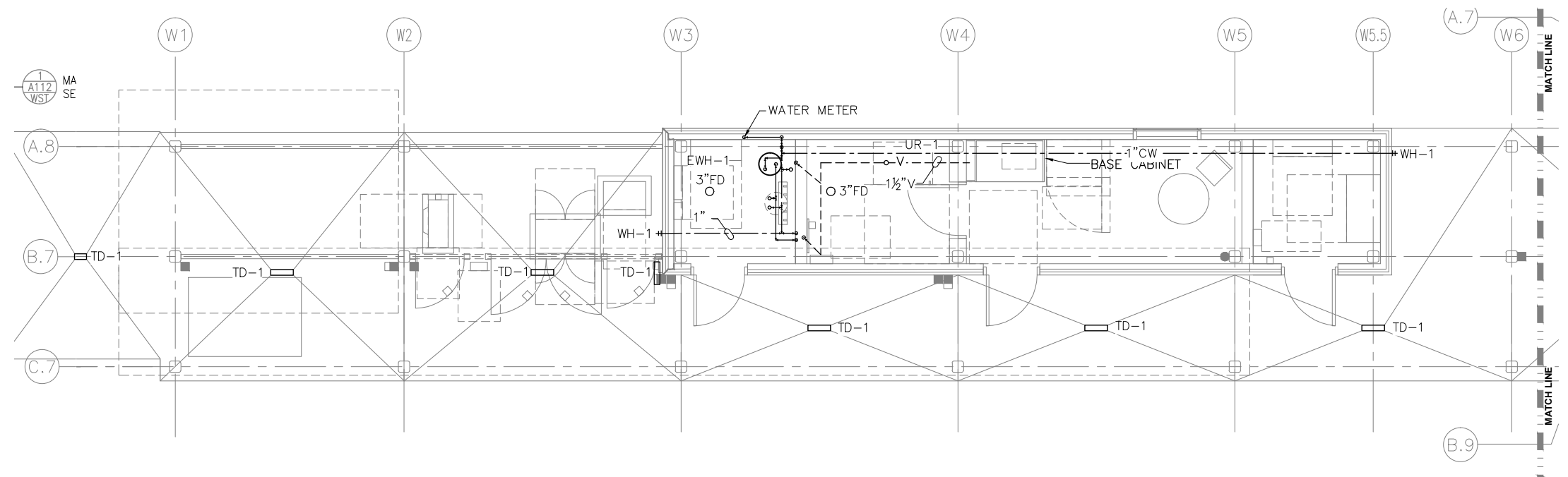
SHEET NAME:  
E3-WST-PLM-PLN-130

SHEET  
283  
OF  
319

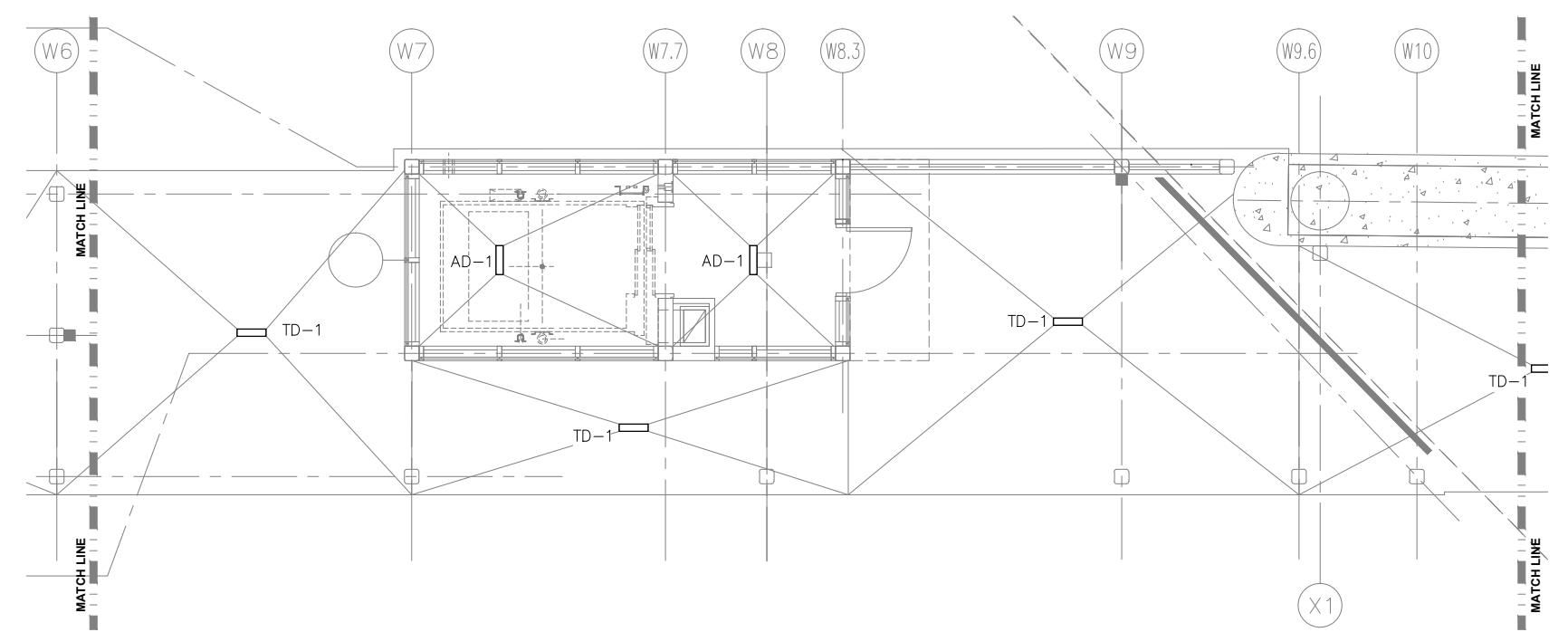
60% SUBMISSION - 09/28/15



Sep. 21 2015 02:00 pm Z:\Projects\AECOM SWLRT west\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\MECHANICAL\WEST LAKE STATION\WEST LAKE VERTICAL CIRCULATION\E3-WST-PLM-131.dwg By: ardg



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



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

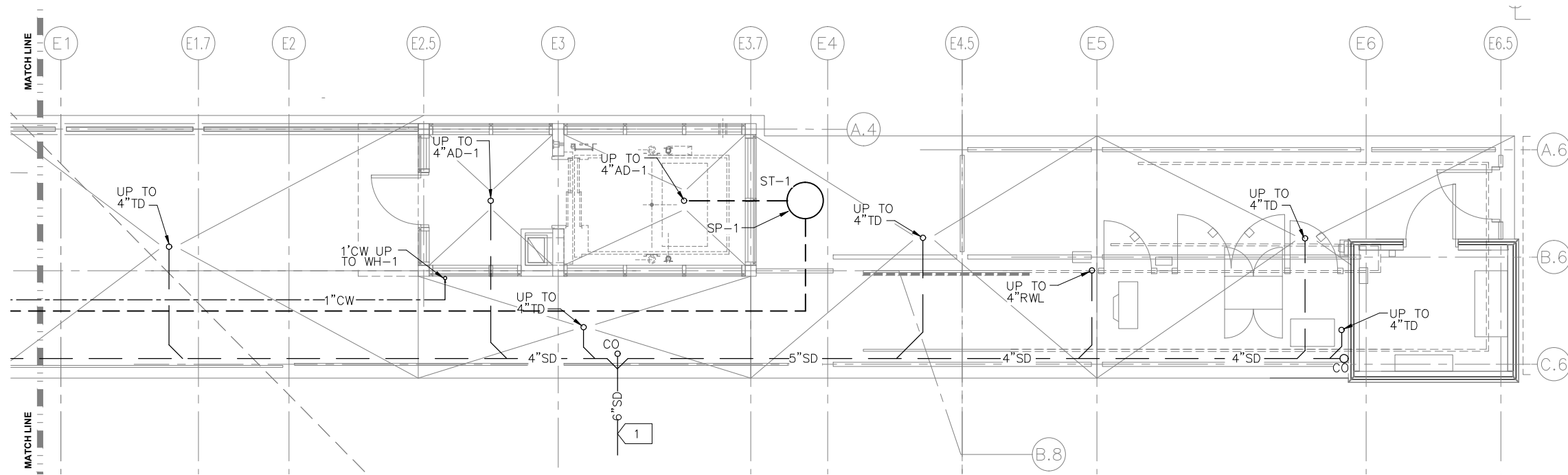
- PLUMBING GENERAL NOTES:**
- A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
  - B. HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL 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.
- PLUMBING KEY NOTES:**
- 1 EXTEND WATER AND STORM OUTSIDE GUIDEWAY. CONNECTION BY OUTDOOR UTILITY CONTRACTOR.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

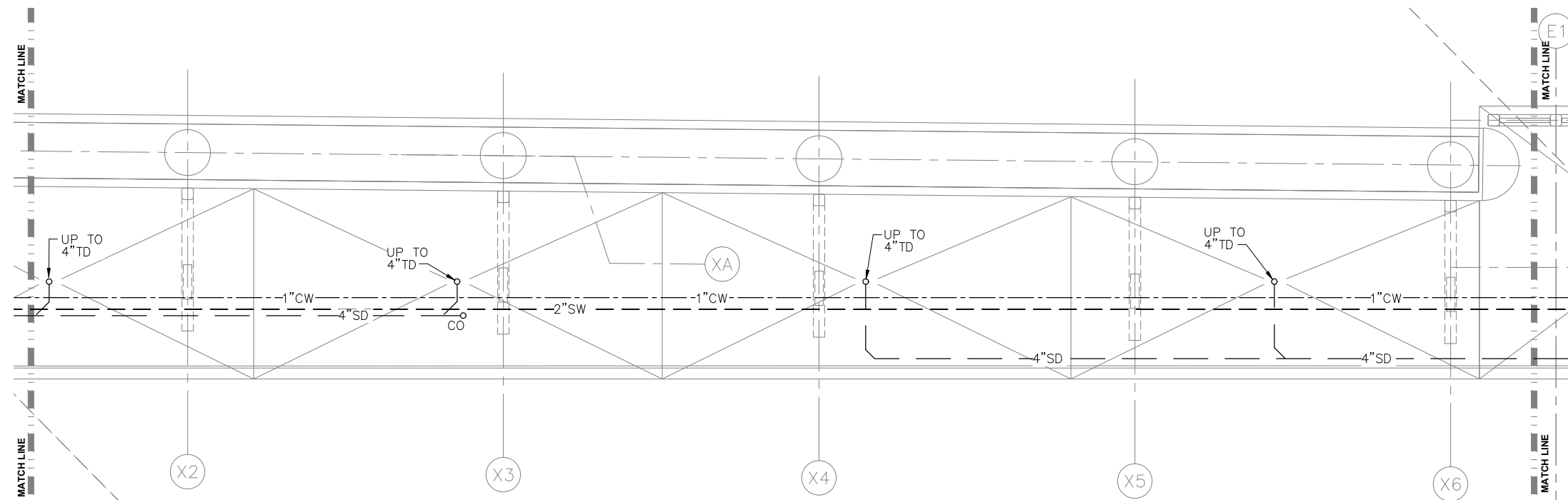
<div></div>		<div>CIVIL EAST - VOLUME 11A WEST LAKE STATION VC WEST PLATFORM LEVEL PLUMBING PLAN</div>		SHEET 284 OF 319
60% SUBMISSION - 09/28/15		DISCIPLINE: PLUMBING	SHEET NAME: E3-WST-PLM-PLN-131	



Sep. 21 2015 02:00 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 UNDERFLOOR PLUMBING PLAN  
SCALE: 1/4"=1'-0"



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

PLUMBING GENERAL NOTES:

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- HEAT TRACING ALONG ALL GUTTERS, AROUND ALL ROOF DRAINS, AND ALL RAIN LEADERS SHALL BE BY ELECTRICAL DIVISION.
- MAINTAIN CODE REQUIRED DISTANCE BETWEEN UNDERGROUND SANITARY AND UNDERGROUND POTABLE WATER.
- REFER TO ARCHITECTURAL DRAWINGS FOR CEILING HEIGHTS AND LAYOUT.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR STORM DOWNSPOUT MATERIAL.

PLUMBING KEY NOTES:

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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**ENGINEERING • LLC**  
CERTIFIED WOMEN'S  
BUSINESS ENTERPRISE



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC UNDERFLOOR EAST PLATFORM**  
**LEVEL PLUMBING PLAN**

DISCIPLINE:  
**PLUMBING**

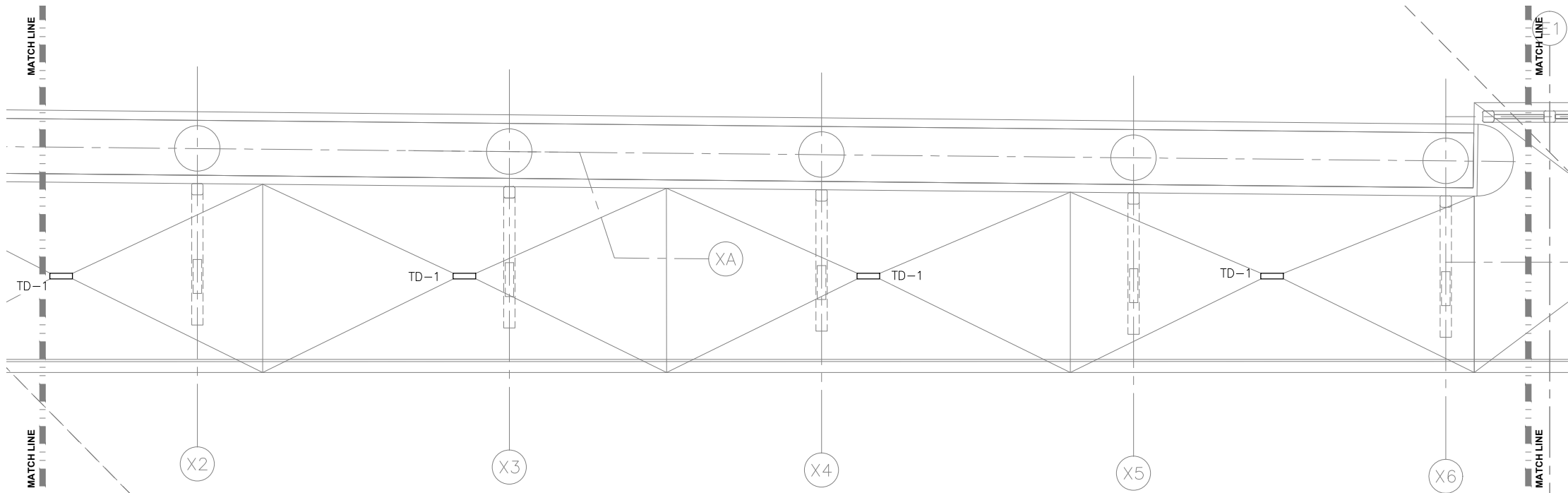
SHEET NAME:  
**E3-WST-PLM-PLN-135**

**SHEET**  
**285**  
**OF**  
**319**

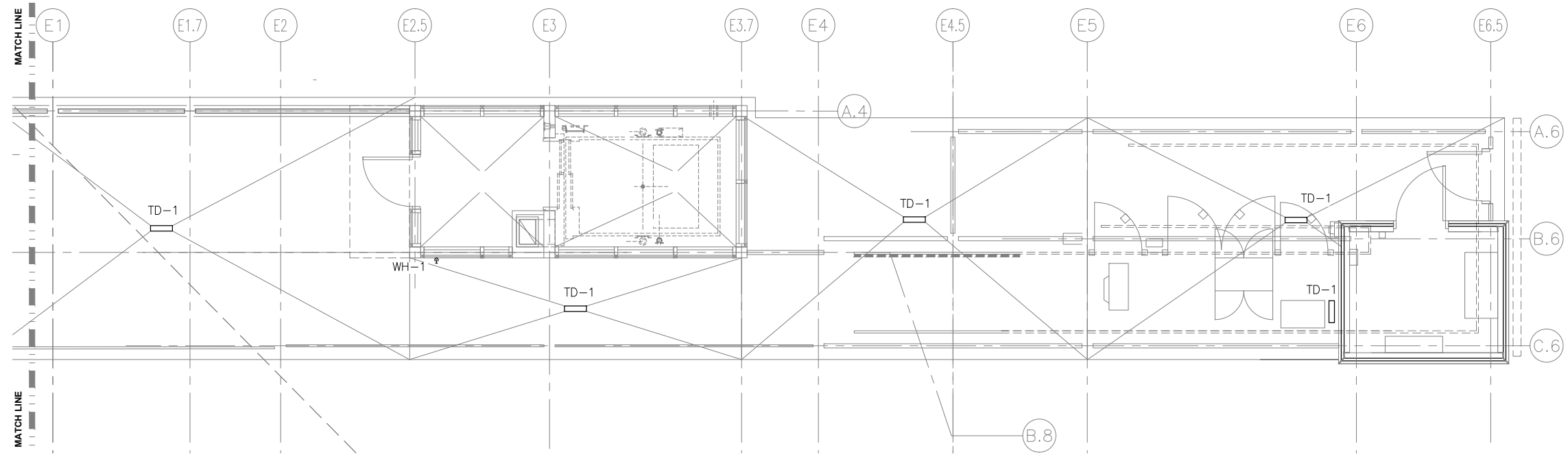
**60% SUBMISSION - 09/28/15**



Sep. 21 2015 01:59 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 PLATFORM LEVEL PLUMBING PLAN  
SCALE: 1/4"=1'-0"



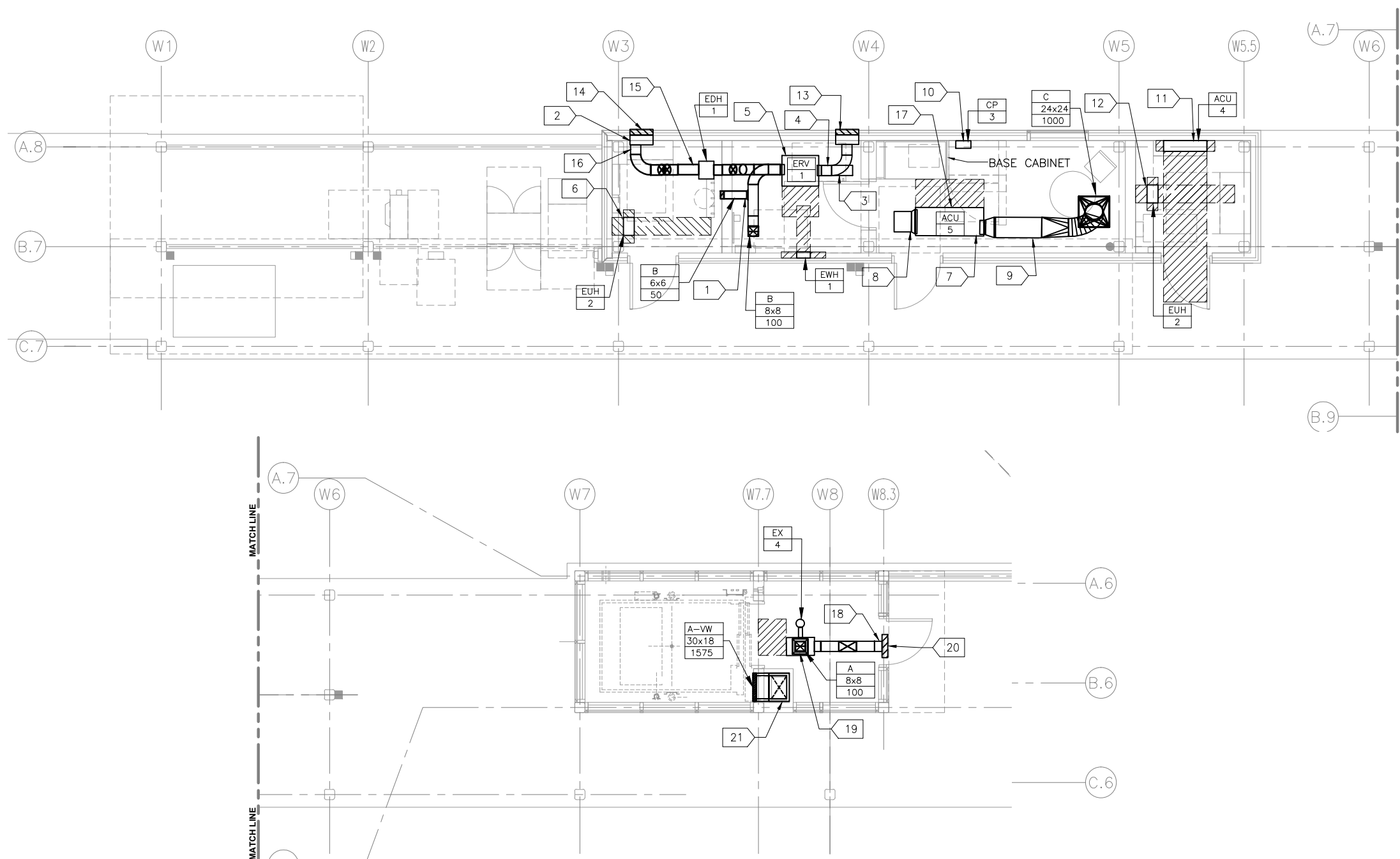
2 PLATFORM LEVEL PLUMBING PLAN  
SCALE: 1/4"=1'-0"

- PLUMBING GENERAL NOTES
- A. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY DISCREPANCIES 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.
- PLUMBING KEY NOTES:
- 1 EXTEND WATER AND STORM OUTSIDE GUIDEWAY. CONNECTION BY OUTDOOR UTILITY CONTRACTOR.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

<div></div>	<b>CIVIL EAST - VOLUME 11A</b> <b>WEST LAKE STATION</b> <b>VC EAST PLATFORM LEVEL</b> <b>PLUMBING PLAN</b>		<b>SHEET</b> <b>286</b> <b>OF</b> <b>319</b>
	60% SUBMISSION - 09/28/15	DISCIPLINE: <b>PLUMBING</b>	





1 WEST PLATFORM HVAC PLAN  
SCALE: 1/4"=1'-0"

## 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 8X6 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 ACU MOUNTED TO DECK. PROVIDE VIBRATION ISOLATION.
- 8 14X16 INSULATED RETURN AIR DUCT FROM BREAK ROOM PLENUM TO TRANSITION TO ACU INLET.
- 9 PROVIDE AND INSTALL A 14X16 INSULATED SA DUCT FROM ACU. A 14-INCH ROUND FLEX DUCT FROM 14X16 TO CONNECT WITH DIFFUSER. FLEX DUCT IS NOT TO EXCEED 5FT. FULLY EXTENDED.
- 10 CONDENSATE PUMP MOUNTED TO WALL.
- 11 ACU WALL-MOUNTED, 6-INCH CLEARANCE (MIN) BELOW CEILING AND 66-INCH CLEARANCE (MIN) ABOVE FINISHED 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.
- 16 PROVIDE AND INSTALL A 3/4-INCH CONDENSATE LINE FROM ERV OUTDOOR AIR INLET TO MOP SINK. REFER TO DETAIL \_/\_ FOR CONNECTION.
- 17 PROVIDE AND INSTALL A 3/4-INCH CONDENSATE LINE FROM ACU TO MOP SINK. REFER TO DETAIL \_/\_ FOR CONNECTION.
- 18 LOUVER PLENUM TO 8X14 EXHAUST DUCT CONNECTED TO EXHAUST FAN OUTLET.
- 19 12X12 TRANSITION FROM FAN INLET TO 8X8 DUCT DOWN TO 8X8 EXHAUST GRILLE.
- 20 LOUVER-SEE ARCH SPECIFICATION AND DRAWINGS FOR INFORMATION.
- 21 18X12 RETURN AIR DUCT UP TO ACU IN 2ND FLOOR PLENUM.

[illegible]**AECOM**

**ENGINEERING • LLC**  
CERTIFIED WOMEN  
BUSINESS ENTERPRISE



**METROPOLITAN**  
COUNCIL

## SOUTHWEST

**CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
VC WEST PLATFORM LEVEL  
HVAC PLAN**

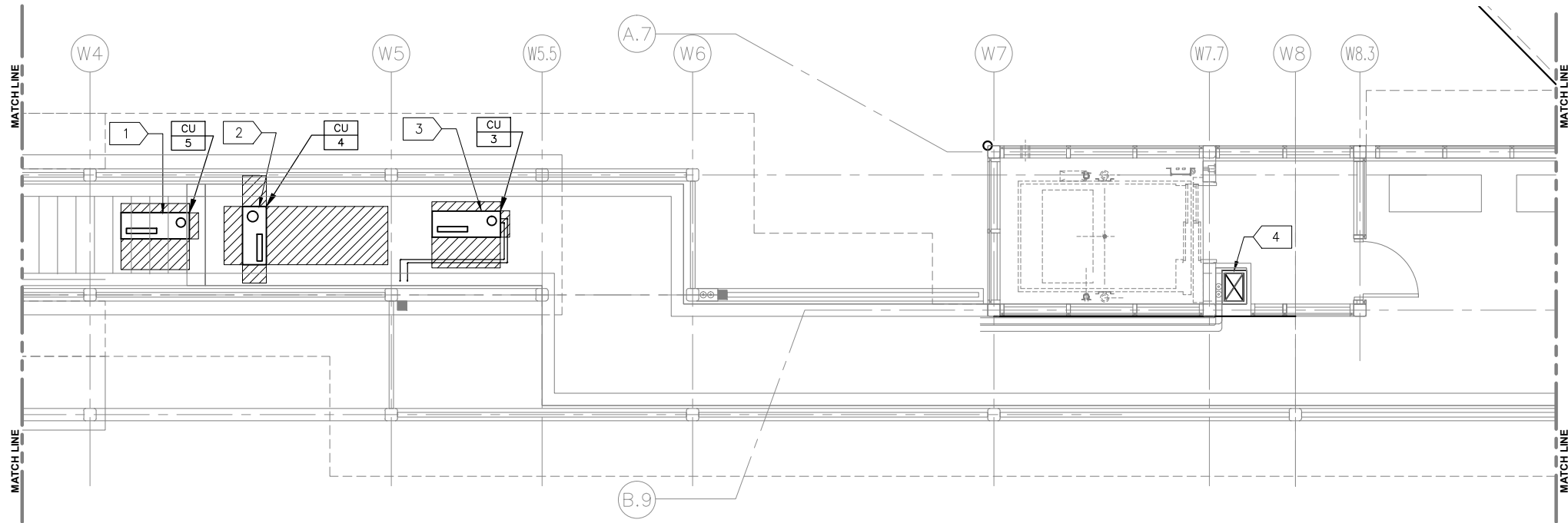
DISCIPLINE: **MECHANICAL**

SHEET NAME:	E3-WST-MEC-PLN-130
-------------	--------------------

	<b>SHEET</b>
	<b>287</b>
	<b>OF</b>
	<b>319</b>



Sep. 21 2015 01:58 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 INTERMEDIATE HVAC PLAN  
SCALE: 1/4"=1'-0"

**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 CONDENSING UNIT MOUNTED ON 4-INCH EQUIPMENT PAD.
- 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**

**ENGINEERING • LLC**  
CERTIFIED WOMEN'S  
BUSINESS ENTERPRISE



**SOUTHWEST**  
Green Line LRT Extension



**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**VC WEST INTERMEDIATE**  
**LEVEL HVAC PLAN**

DISCIPLINE:

**MECHANICAL**

SHEET NAME:

**E3-WST-MEC-PLN-131**

**SHEET**

**288**

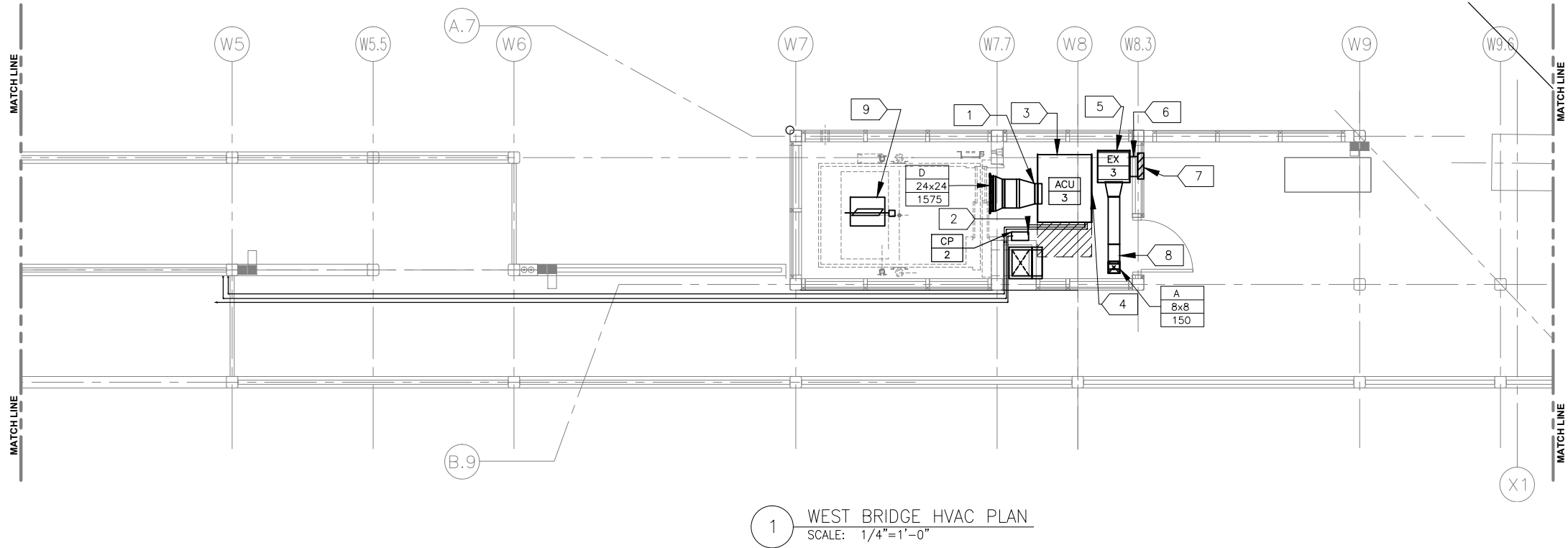
**OF**

**319**

**60% SUBMISSION - 09/28/15**



Sep. 21 2015 01:57 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-132.dwg By: craig



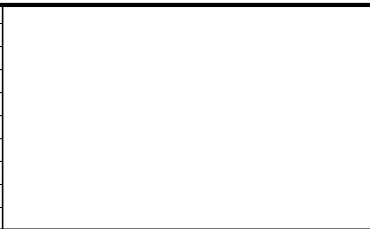
HVAC GENERAL SHEET NOTES





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

HVAC KEY NOTES:

- ACU SUPPLY OUTLET TO TRANSITION TO 24X24 TO REGISTER.
- CONDENSATE PUMP MOUNTED ON WALL.
- ACU MOUNTED TO DECK. PROVIDE VIBRATION ISOLATION.
- RETURN AIR INLET DRAWING FROM PLENUM.
- EXHAUST FAN HUNG FROM DECK. PROVIDE VIBRATION ISOLATION.
- 14X8 EXHAUST AIR DUCT TO LOUVER PLENUM.
- LOUVER—SEE ARCH SPECIFICATION AND DRAWINGS FOR INFORMATION.
- 8X8 EXHAUST AIR DUCT FROM FROM EXHAUST GRILLE, TRANSITIONS TO A 12X12 DUCT TO CONNECT TO EXHAUST FAN INLENT.
- 24X20 OPENING TO MOTORIZED DAMPER FOR FIRE SERVICE SMOKE EVACUATION. OPENING IS LOCATED AT THE TOP OF HOISTWAY AND CONNECTS TO A GRAVITY RELIEF VENTILATOR MOUNTED ON THE ROOF.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





60% SUBMISSION - 09/28/15



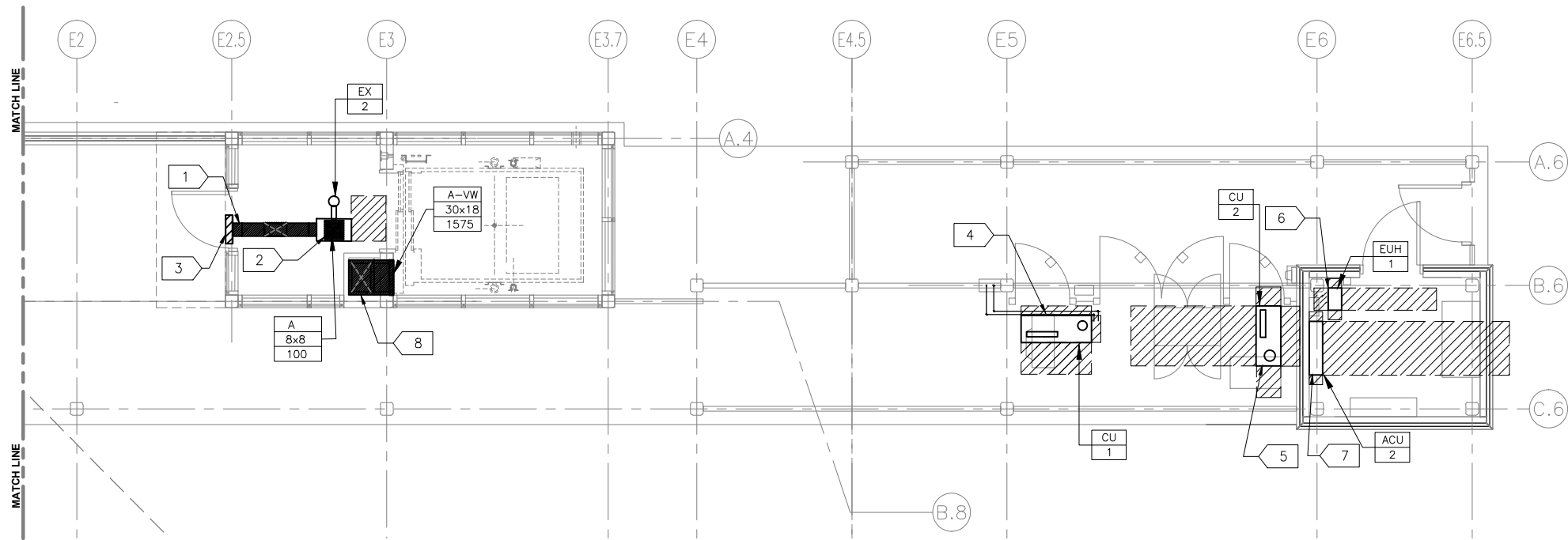
CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
VC WEST BRIDGE LEVEL  
HVAC PLAN

DISCIPLINE: MECHANICAL

SHEET NAME: E3-WST-MEC-PLN-132



Sep. 21 2015 01:56 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-133.dwg By: craig

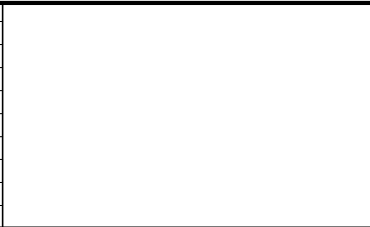


1 EAST HVAC PLATFORM PLAN  
SCALE: 1/4"=1'-0"

- 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 LOUVER PLENUM TO 8X14 EXHAUST DUCT CONNECTED TO EXHAUST FAN OUTLET.
  - 2 12X12 TRANSITION FROM FAN INLET TO 8X8 DUCT DOWN TO 8X8 EXHAUST GRILLE.
  - 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.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15

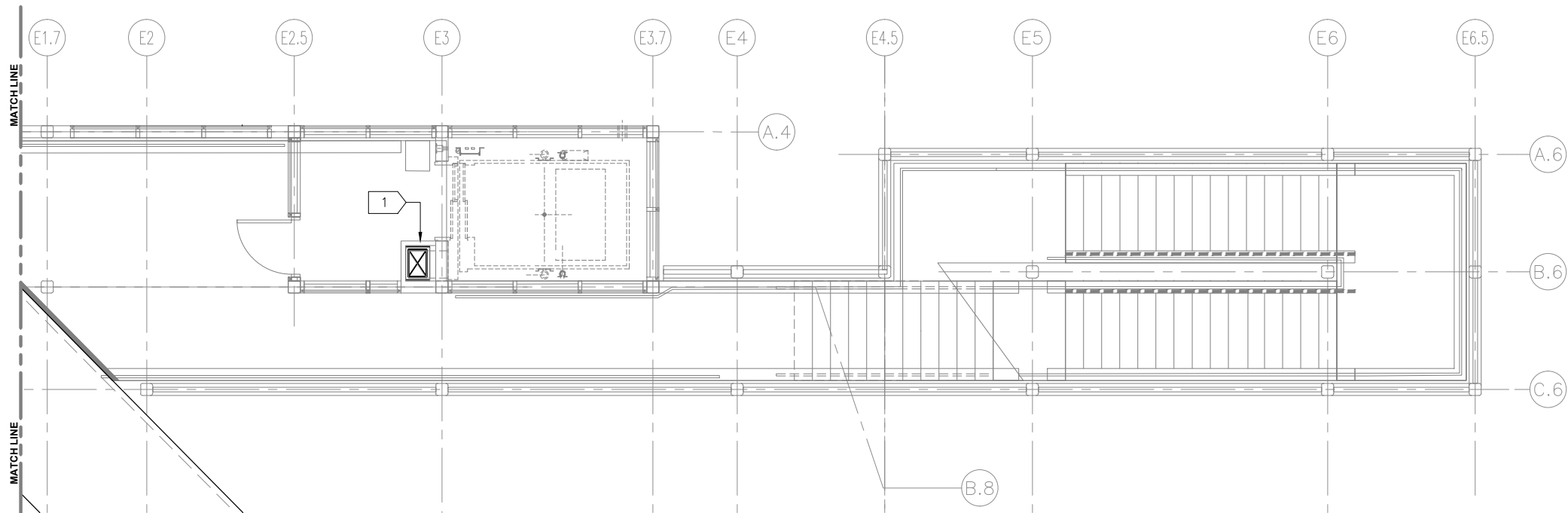
60% SUBMISSION - 09/28/15

CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
VC EAST PLATFORM LEVEL  
HVAC PLAN

DISCIPLINE: MECHANICAL  
SHEET NAME: E3-WST-MEC-PLN-133



Sep. 21 2015 01:55 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

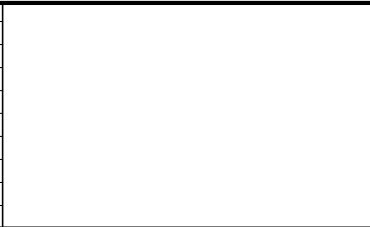






1 INTERMEDIATE HVAC PLAN - EAST  
SCALE: 1/4"=1'-0"

- 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 12X18 RETURN DUCT UP TO ACU IN 2ND FLOOR PLENUM AND DOWN TO RETURN GRILLE IN HOISTWAY.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





60% SUBMISSION - 09/28/15



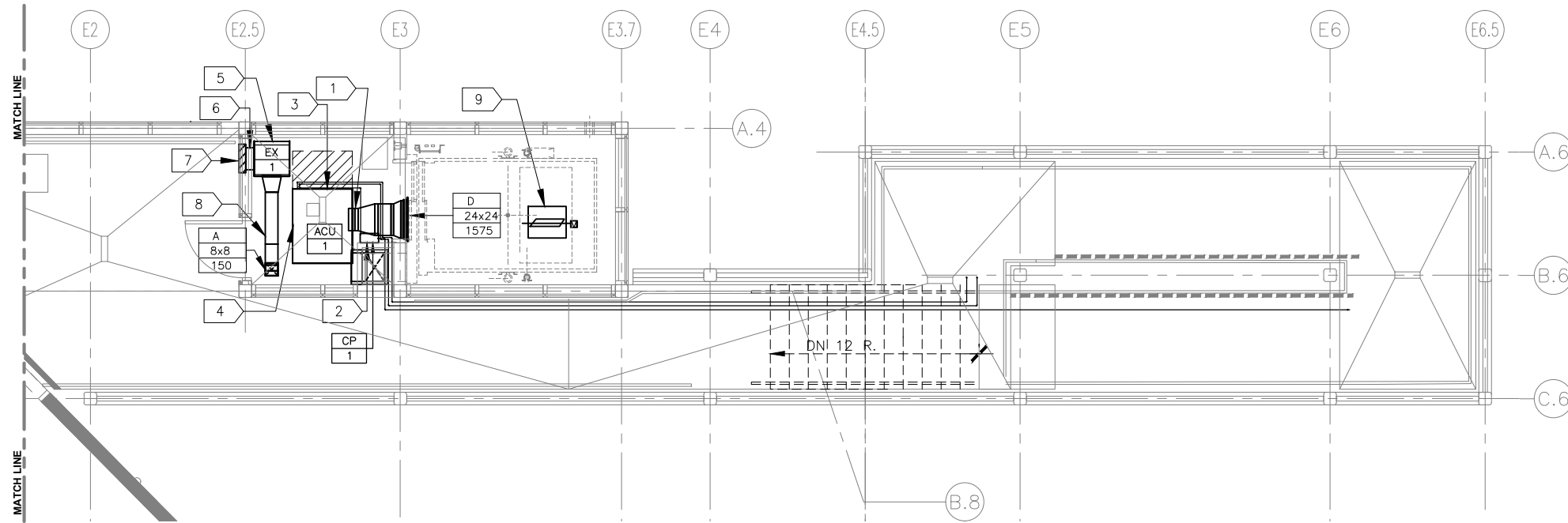
CIVIL EAST - VOLUME 11  
WEST LAKE STATION  
VC EAST INTERMEDIATE LEVEL  
HVAC PLAN

DISCIPLINE: MECHANICAL

SHEET NAME: E3-WST-MEC-PLN-134



Sep. 21 2015 01:54 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-135.dwg By: craig



1 EAST BRIDGE HVAC PLAN  
SCALE: 1/4"=1'-0"

- 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 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 OPENING TO MOTORIZED DAMPER FOR FIRE SERVICE SMOKE EVACUATION. OPENING IS LOCATED AT THE TOP OF HOISTWAY AND CONNECTS TO A GRAVITY RELIEF VENTILATOR MOUNTED ON THE ROOF.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

ENGINEERING • LLC  
CERTIFIED WOMEN'S  
BUSINESS ENTERPRISE

METROPOLITAN  
COUNCIL

SOUTHWEST  
Green Line LRT Extension



60% SUBMISSION - 09/28/15

CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
VC EAST BRIDGE LEVEL  
HVAC PLAN

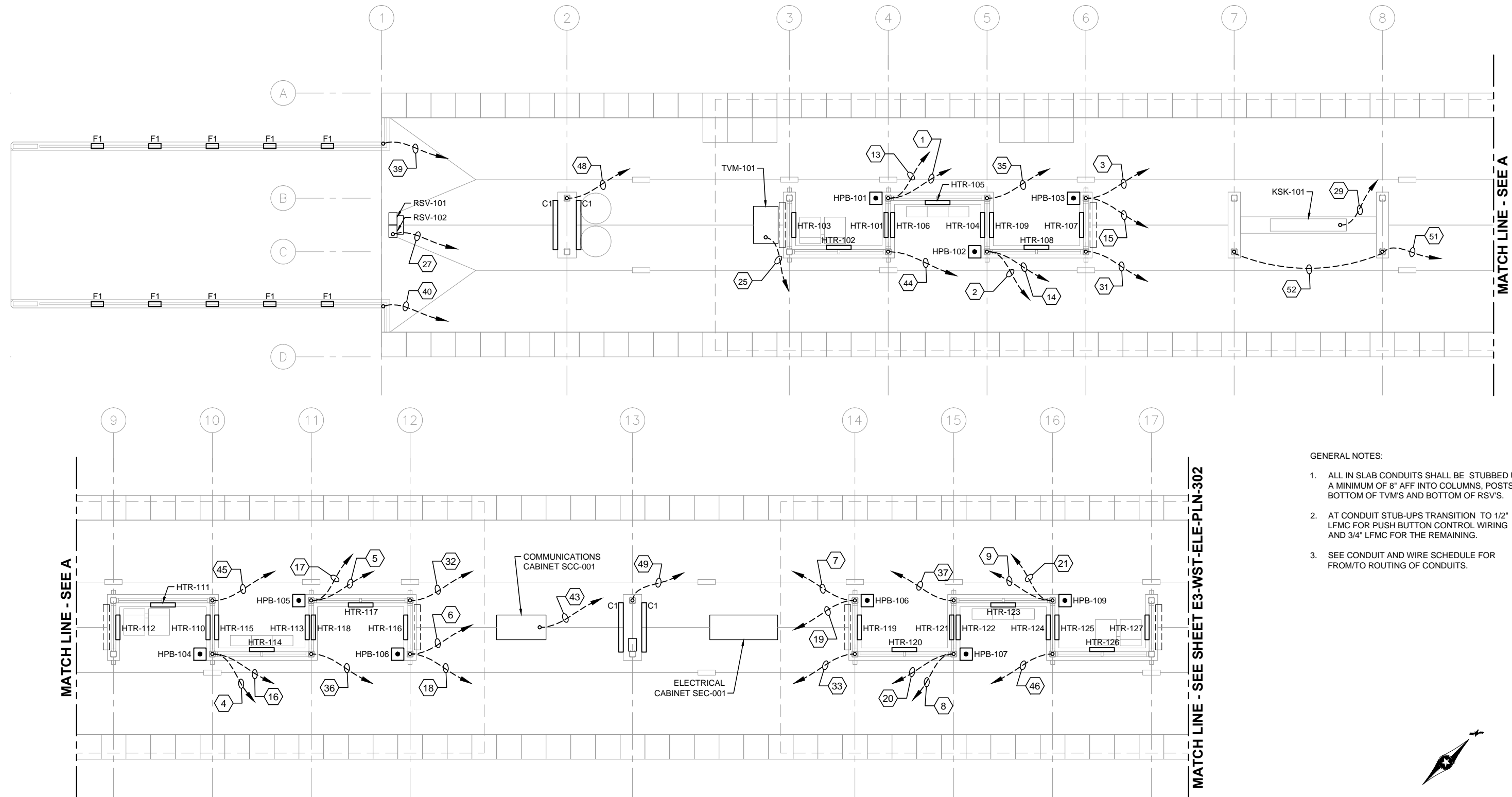
DISCIPLINE:  
MECHANICAL

SHEET NAME:  
E3-WST-MEC-PLN-135

SHEET  
292  
OF  
319

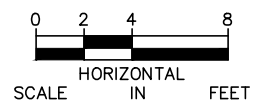


Sep. 25 2015 11:58 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-301.dwg By: V-BegeJB



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.



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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
ELECTRICAL  
UNDERSLAB CONDUIT PLAN (1 OF 2)

DISCIPLINE:  
ELECTRICAL

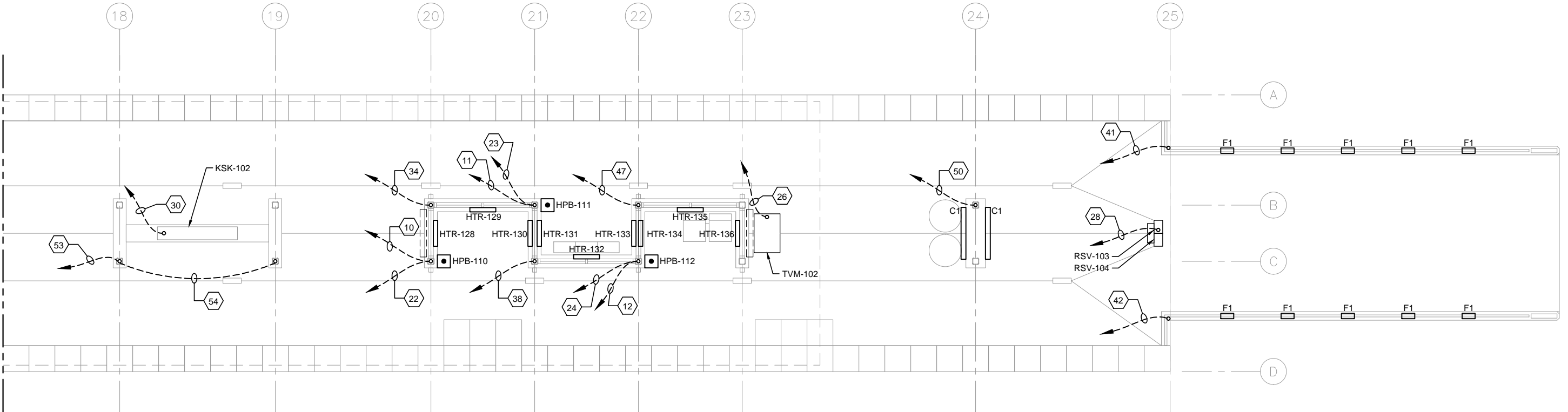
SHEET NAME:  
E3-WST-ELE-PLN-301

SHEET  
293  
OF  
319



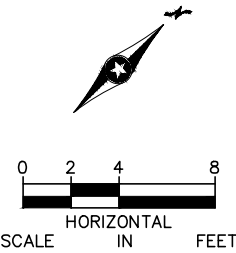
Sep. 25 2015 10:37 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-302.dwg By: V-BegeJB

MATCH LINE - SEE SHEET E3-WST-ELE-PLN-301



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.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15

**METROPOLITAN**  
COUNCIL

**SOUTHWEST**  
Green Line LRT Extension

**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**ELECTRICAL**  
**UNDERSLAB CONDUIT PLAN (2 OF 2)**

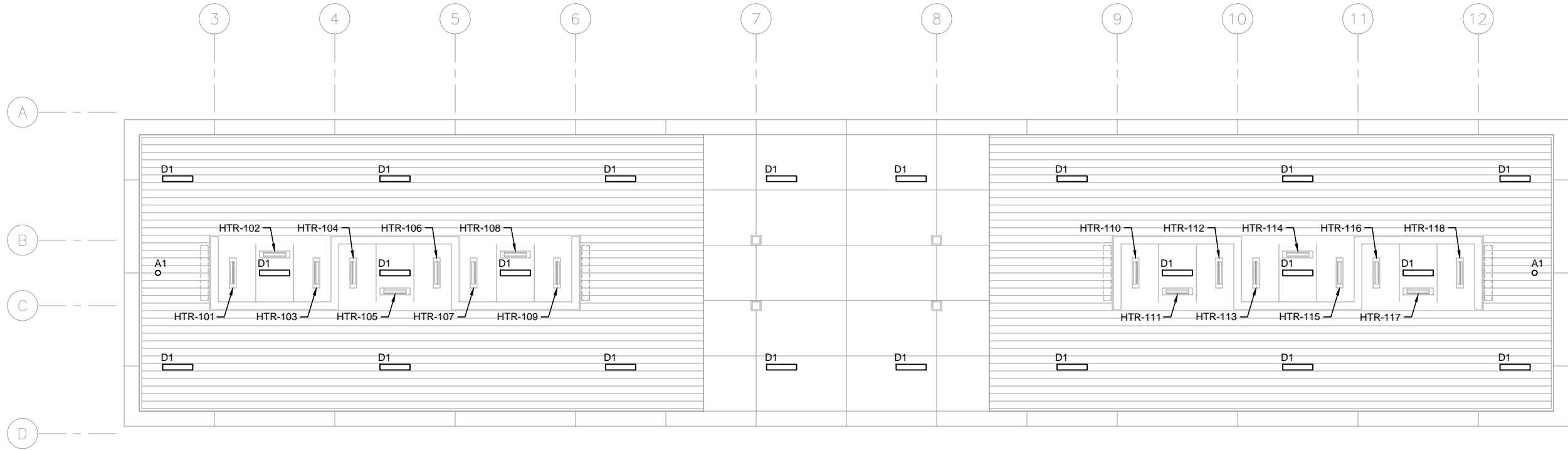
DISCIPLINE: **ELECTRICAL**

SHEET NAME: **E3-WST-ELE-PLN-302**

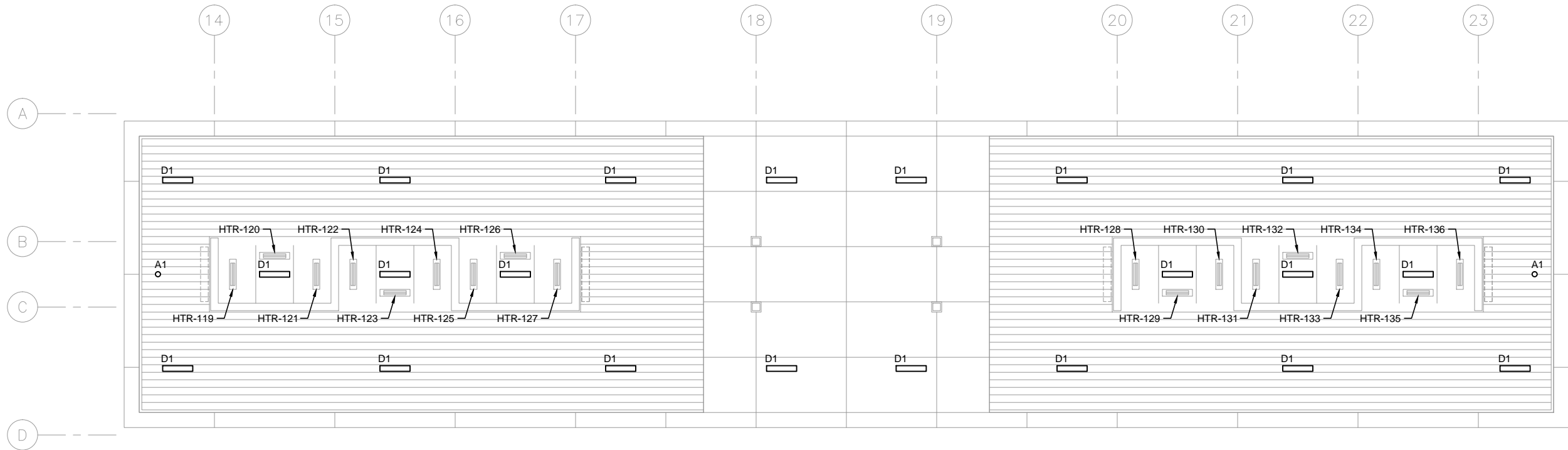
SHEET  
294  
OF  
319



Sep. 25 2015 09:29 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-303.dwg By: FergTK



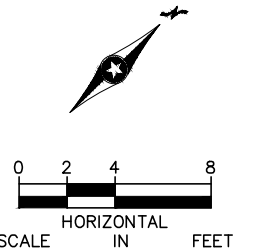
1 CANOPY PLAN - WEST  
SCALE: 1/8"=1'-0"



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

- GENERAL NOTES:
1. PROVIDE HEAT TRACE IN GUTTERS, DOWN SPOUTS AND RAIN CONDUCTORS.

- KEYNOTES:
- 1.

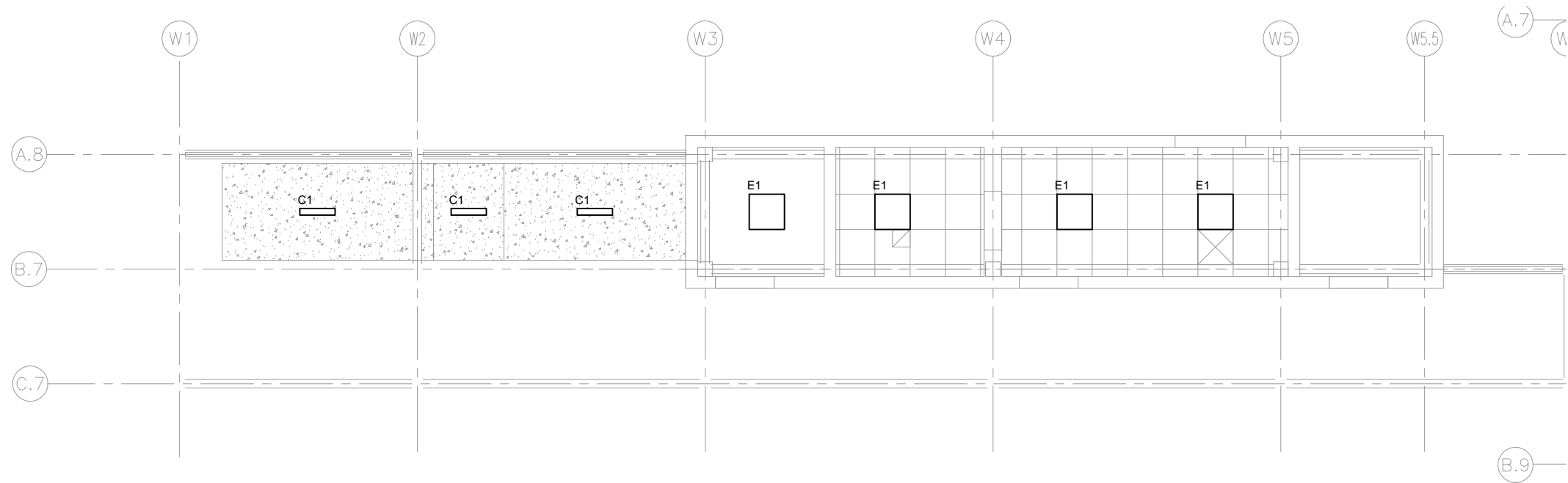


NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

  CONSULTING ENGINEERING MINNEAPOLIS • MINNESOTA	 	CIVIL EAST - VOLUME 11A WEST LAKE STATION ELECTRICAL CANOPY PLAN		SHEET 295 OF 319
		DISCIPLINE: ELECTRICAL	SHEET NAME: E3-WST-ELE-PLN-303	
60% SUBMISSION - 09/28/15				



Sep. 25 2015 09:30 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-304.dwg By: FergTK



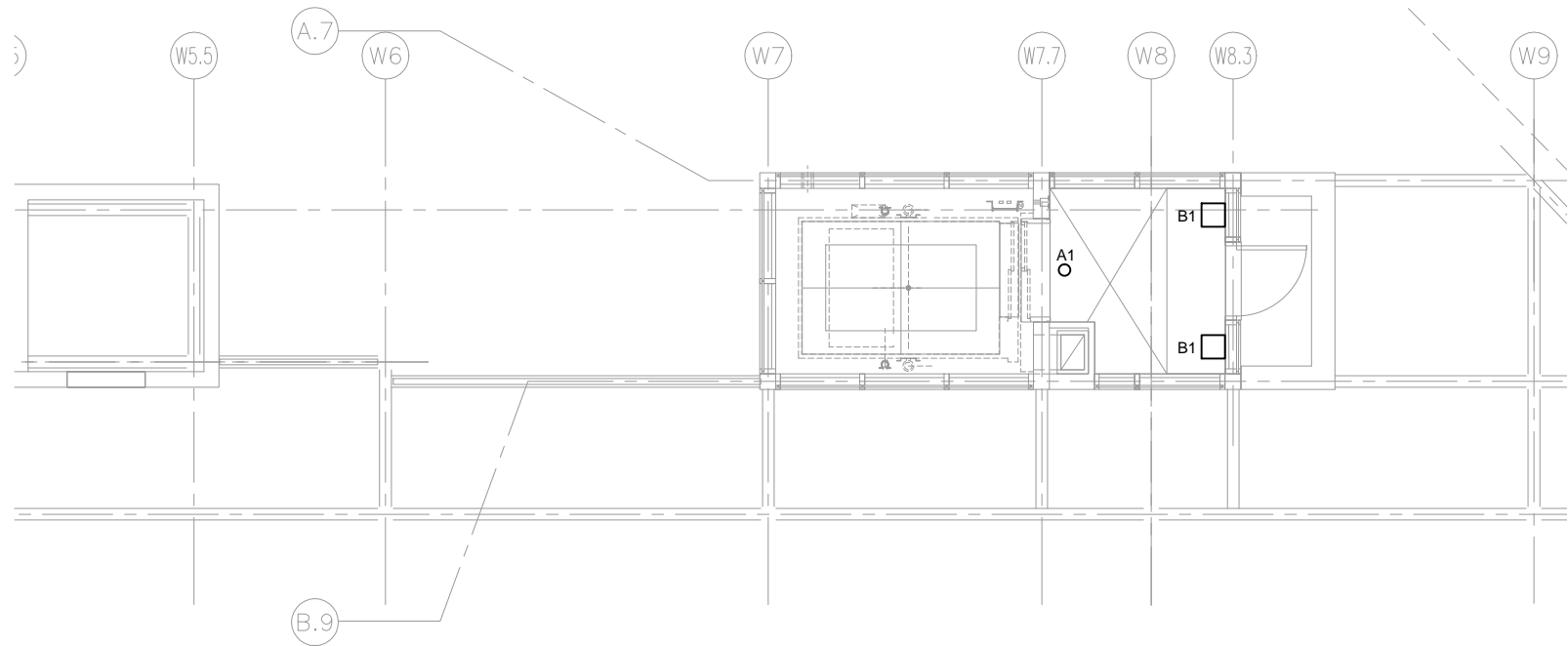
GENERAL NOTES:

1.

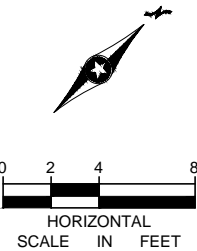
KEYNOTES:

1.

1 VC RCP PLATFORM LEVEL (WEST)  
SCALE: 1/8"=1'-0"



2 VC RCP PLATFORM LEVEL (WEST)  
SCALE: 1/8"=1'-0"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
ELECTRICAL LIGHTING PLAN  
VC PLATFORM LEVEL (WEST)

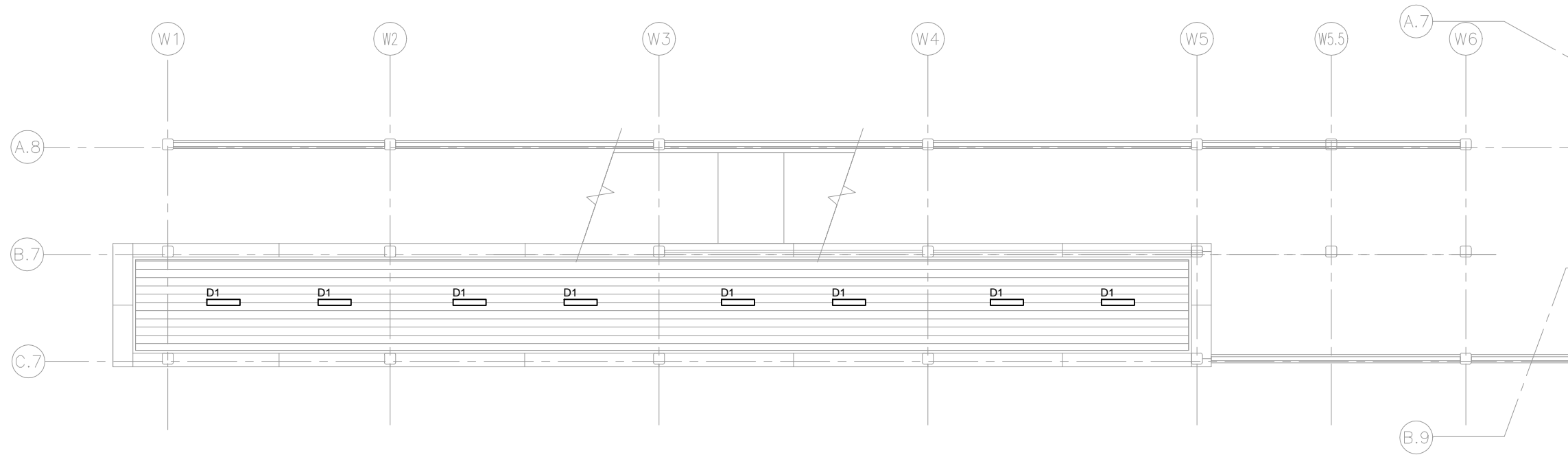
DISCIPLINE:  
ELECTRICAL

SHEET NAME:  
E3-WST-ELE-PLN-304

SHEET  
296  
OF  
319



Sep. 25 2015 09:31 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-305.dwg By: FergTK



GENERAL NOTES:

1.

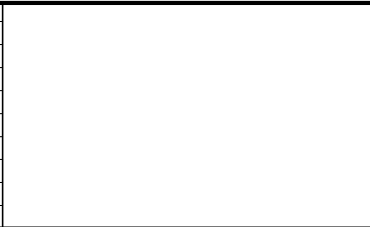
KEYNOTES:

1.

1 ELECTRICAL LIGHTING INTERMEDIATE LEVEL (WEST)  
SCALE: 1/8"=1'-0"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



**AECOM**

**MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15

**METROPOLITAN**  
COUNCIL

**SOUTHWEST**  
Green Line LRT Extension

**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**ELECTRICAL LIGHTING PLAN**  
**VC INTERMEDIATE LEVEL (WEST)**

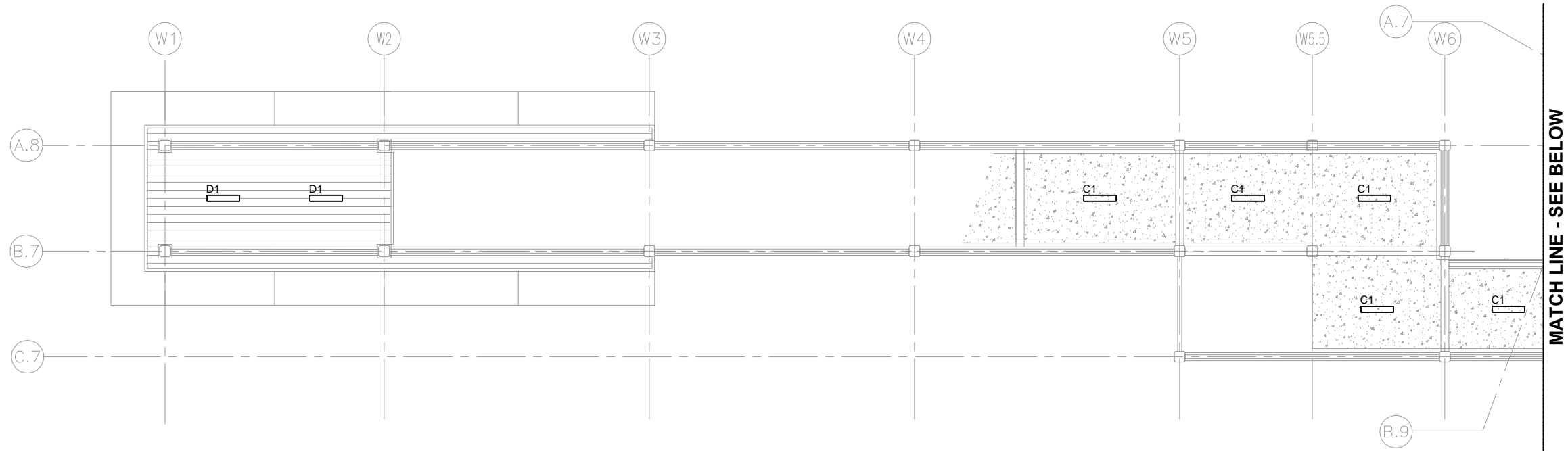
DISCIPLINE: **ELECTRICAL**

SHEET NAME: **E3-WST-ELE-PLN-305**

**SHEET**  
**297**  
**OF**  
**319**



Sep. 25 2015 09:31 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-306.dwg By: FergTK



GENERAL NOTES:

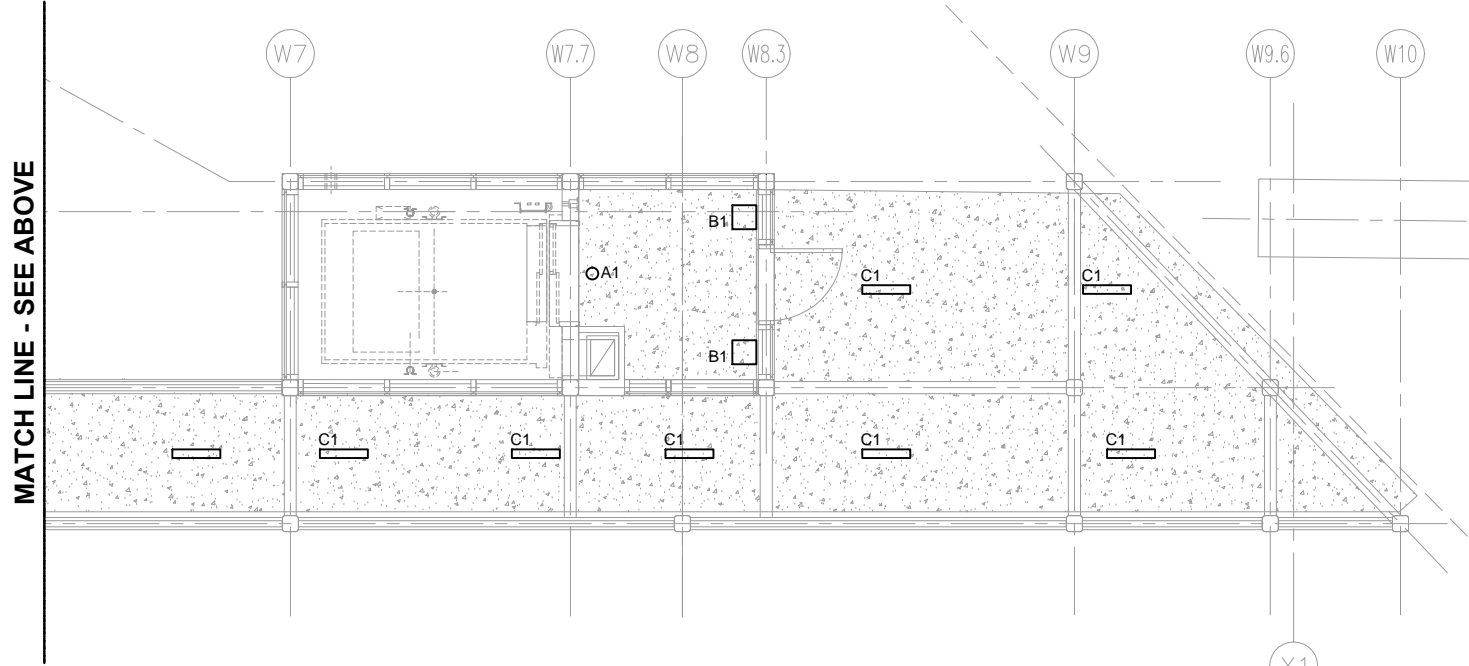
1.

KEYNOTES:

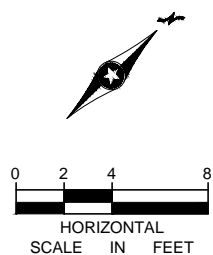
1.



**1** ELECTRICAL LIGHTING INTERMEDIATE LEVEL (WEST)  
SCALE: 1/8"=1'-0"



**2** ELECTRICAL LIGHTING INTERMEDIATE LEVEL (WEST)  
SCALE: 1/8"=1'-0"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15

**METROPOLITAN**  
COUNCIL

**SOUTHWEST**  
Green Line LRT Extension

**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**ELECTRICAL LIGHTING PLAN**  
**VC INTERMEDIATE LEVEL (WEST)**

DISCIPLINE: **ELECTRICAL**

SHEET NAME: **E3-WST-ELE-PLN-306**

**SHEET**  
**298**  
**OF**  
**319**



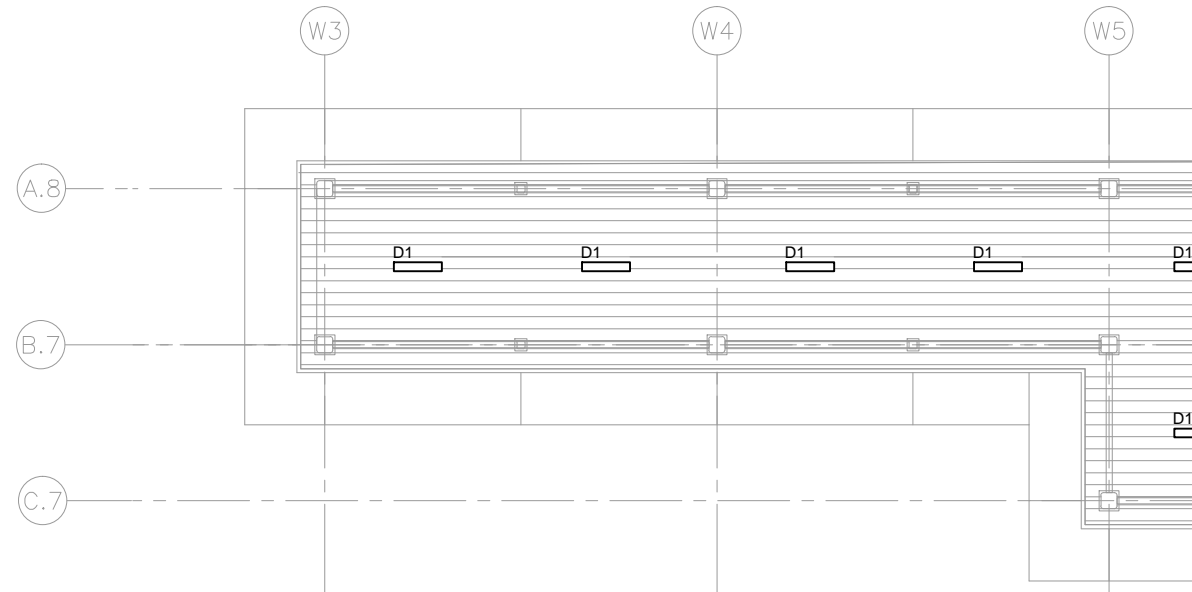
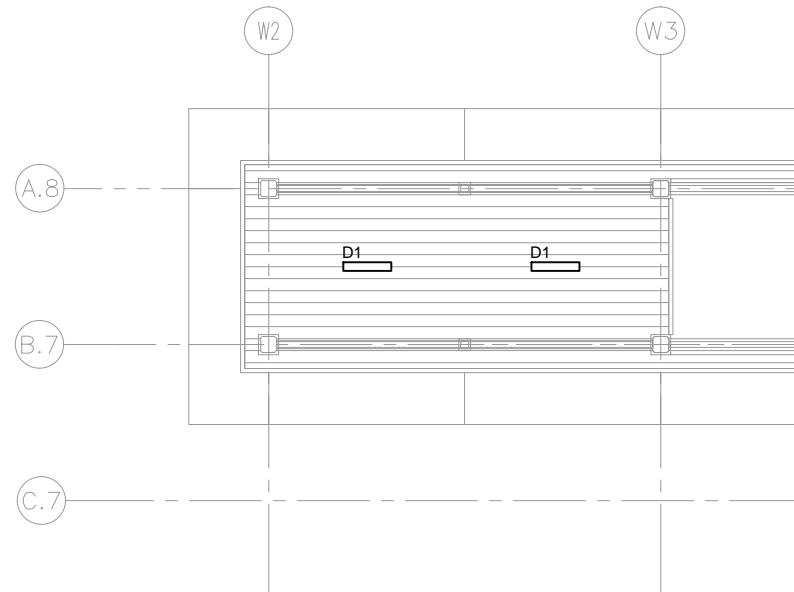
Sep. 25 2015 09:32 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-307.dwg By: FergTK

GENERAL NOTES:

1.

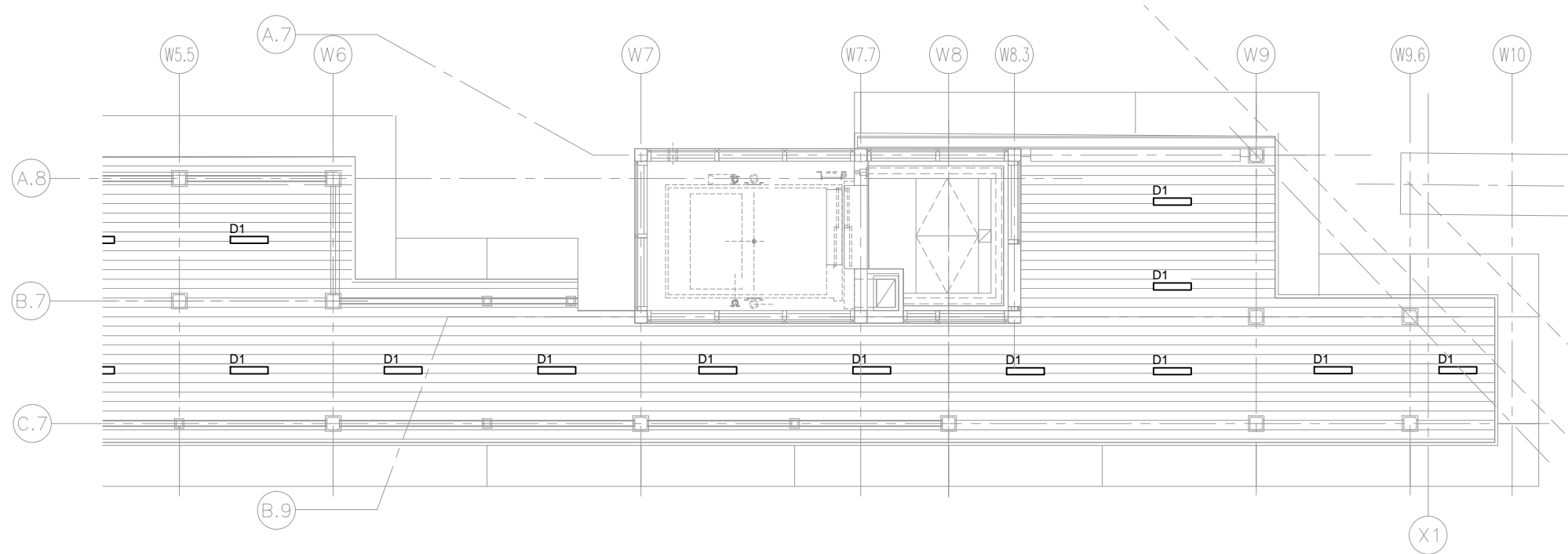
KEYNOTES:

1.

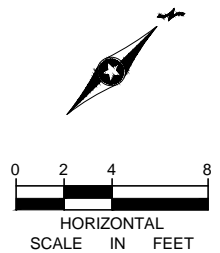


1 ELECTRICAL LIGHTING INTERMEDIATE LEVEL (WEST)  
SCALE: 1/8"=1'-0"

2 ELECTRICAL LIGHTING INTERMEDIATE LEVEL (WEST)  
SCALE: 1/8"=1'-0"



3 ELECTRICAL LIGHTING BRIDGE LEVEL (WEST)  
SCALE: 1/8"=1'-0"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
ELECTRICAL LIGHTING PLAN  
VC BRIDGE LEVEL (WEST)

DISCIPLINE:

ELECTRICAL

SHEET NAME:

E3-WST-ELE-PLN-307

SHEET

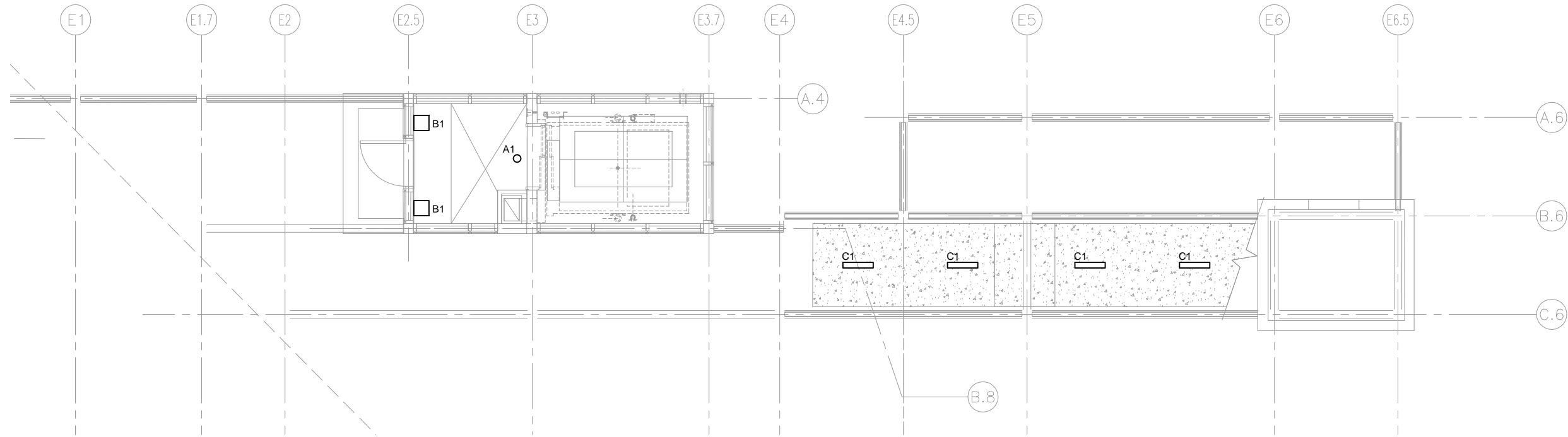
299

OF

319



Sep. 25 2015 09:33 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-308.dwg By: FergTK



GENERAL NOTES:

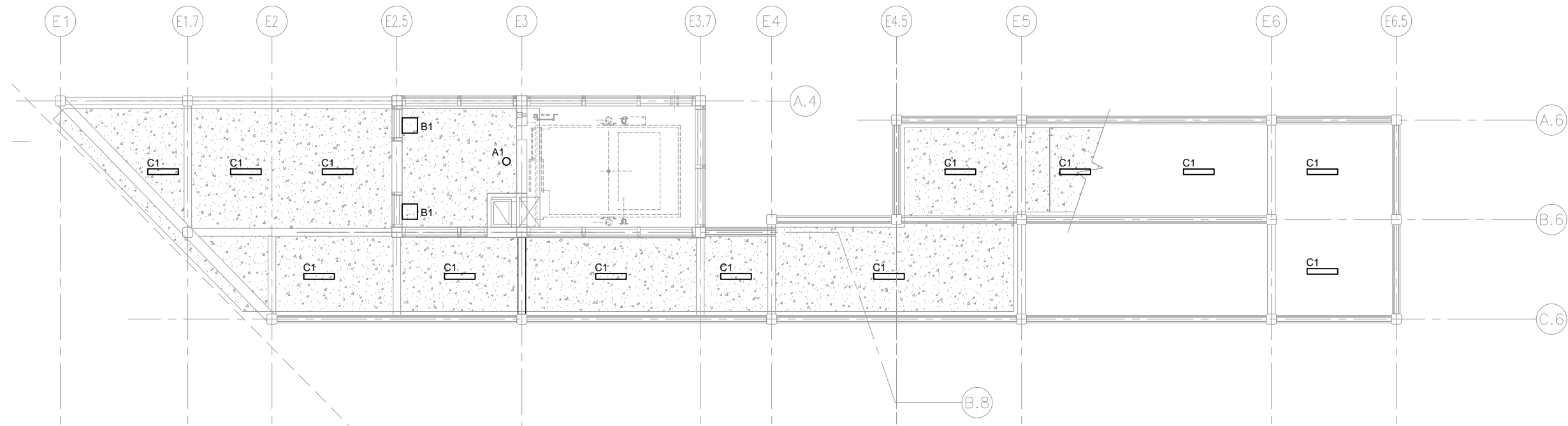
1.

KEYNOTES:

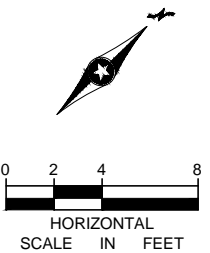
1.



1 ELECTRICAL LIGHTING PLATFORM LEVEL (EAST)  
SCALE: 1/8"=1'-0"



2 ELECTRICAL LIGHTING INTERMEDIATE LEVEL (EAST)  
SCALE: 1/8"=1'-0"



NO.	DATE	BY	CHECK/DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
ELECTRICAL LIGHTING PLAN  
VC PLATFORM LEVEL (EAST)

DISCIPLINE:

ELECTRICAL

SHEET NAME:

E3-WST-ELE-PLN-308

SHEET

300

OF

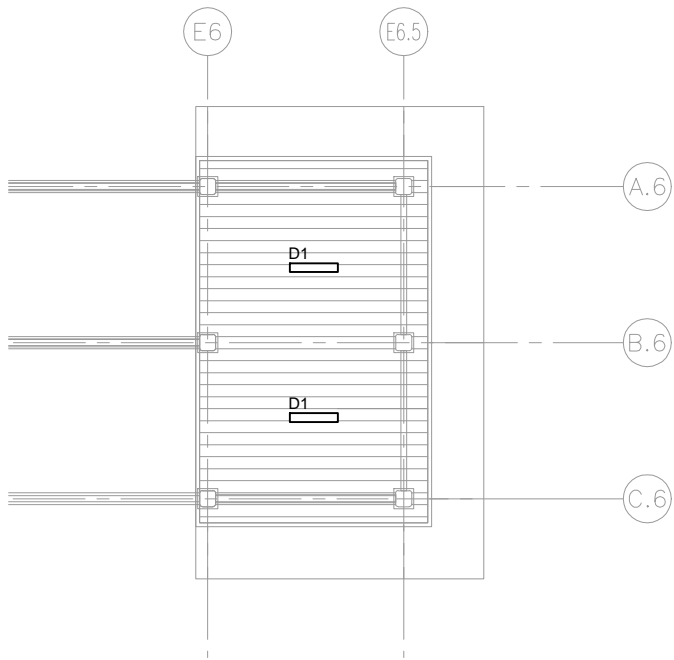
319



Sep. 25 2015 09:34 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-309.dwg By: FergJK

GENERAL NOTES:

1.

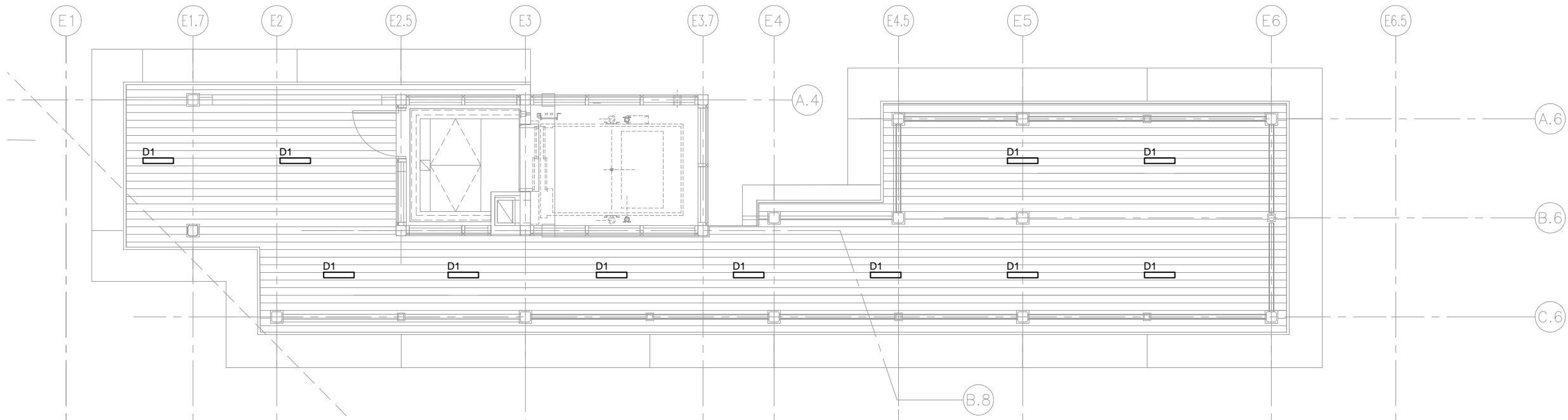


KEYNOTES:

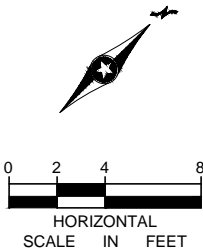
1.



1 ELECTRICAL LIGHTING INTERMEDIATE LEVEL (EAST)  
SCALE: 1/8"=1'-0"



2 ELECTRICAL LIGHTING BRIDGE LEVEL (EAST)  
SCALE: 1/8"=1'-0"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
ELECTRICAL LIGHTING PLAN  
VC BRIDGE LEVEL (EAST)

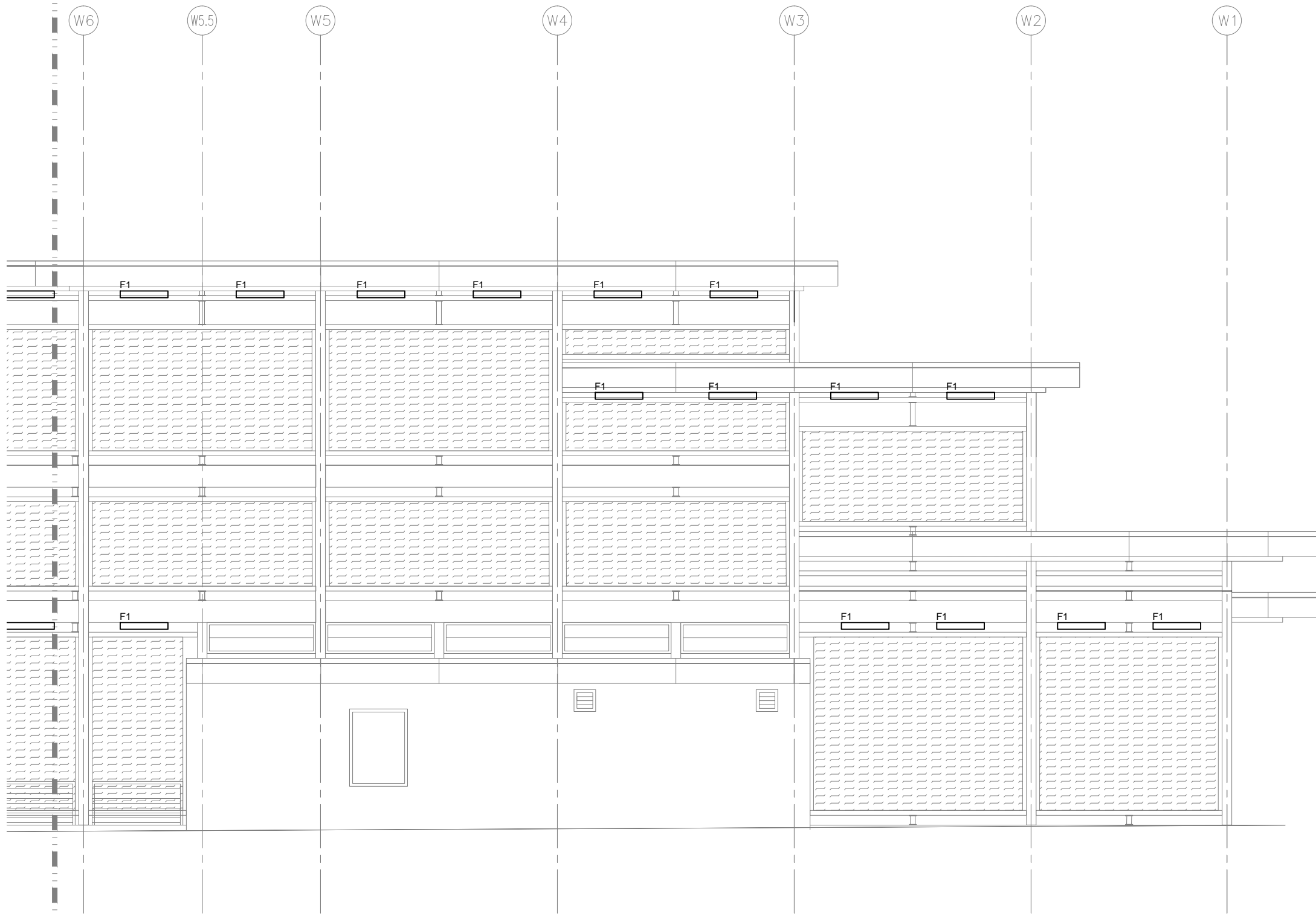
DISCIPLINE:  
ELECTRICAL

SHEET NAME:  
E3-WST-ELE-PLN-309

SHEET  
301  
OF  
319



Sep. 25 2015 09:34 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-ELV-320.dwg By: FergTK



GENERAL NOTES:

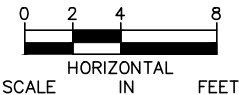
1.

KEYNOTES:

1.



1 VC TRACK 1 – PARTIAL ELEVATION (WEST)  
SCALE:1/8"=1'-0"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
ELECTRICAL  
VC TRACK 1 - PARTIAL ELEVATION (WEST)

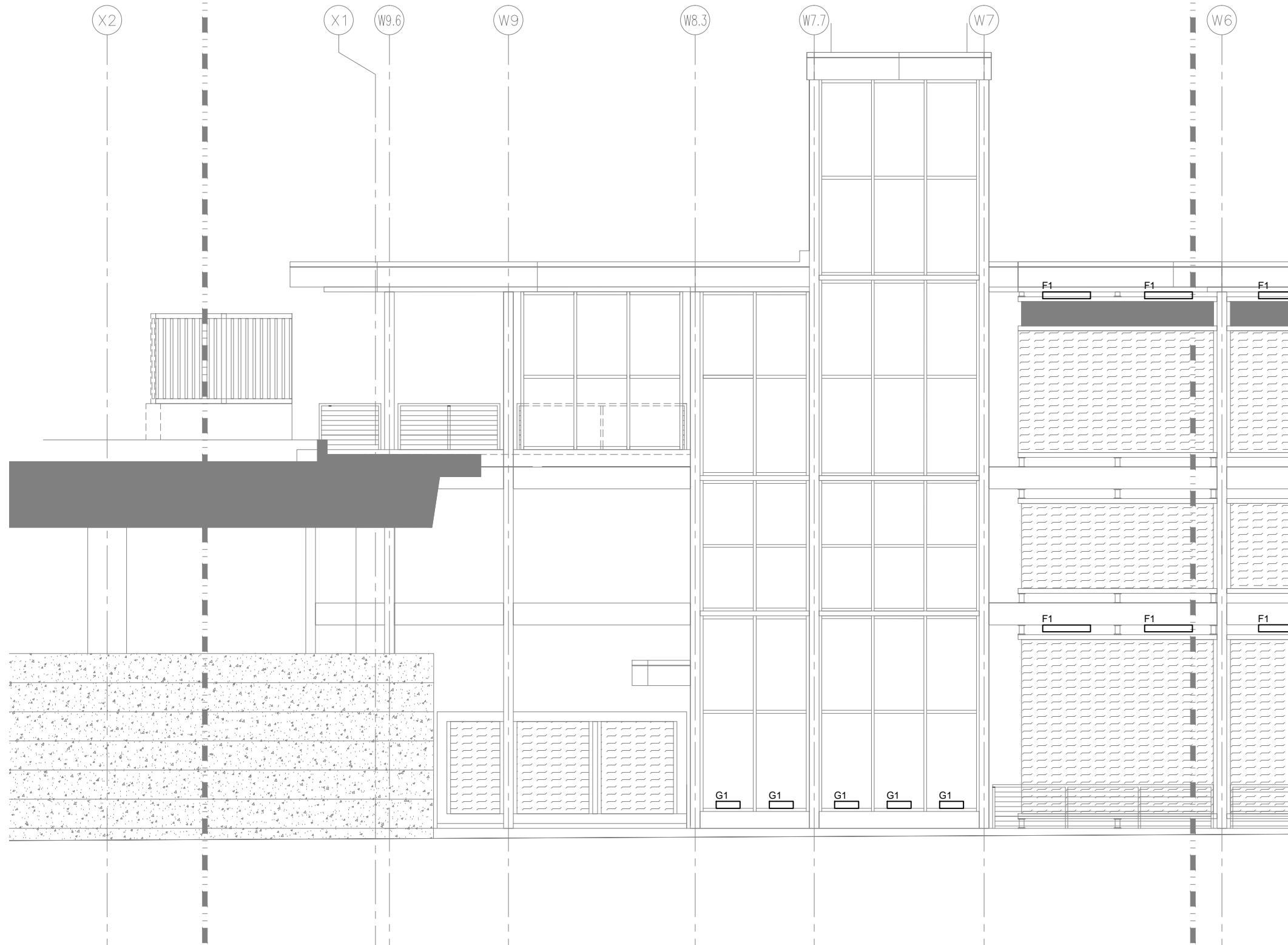
DISCIPLINE:  
ELECTRICAL

SHEET NAME:  
E3-WST-ELE-ELV-320

SHEET  
302  
OF  
319



Sep. 25 2015 09:35 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-ELV-321.dwg By: FergTK



GENERAL NOTES:

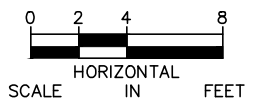
- 

KEYNOTES:

- 



1 VC TRACK 1 – PARTIAL ELEVATION (WEST)  
SCALE: 1/8"=1'-0"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
ELECTRICAL  
VC TRACK 1 - PARTIAL ELEVATION (WEST)

DISCIPLINE:

ELECTRICAL

SHEET NAME:

E3-WST-ELE-ELV-321

SHEET

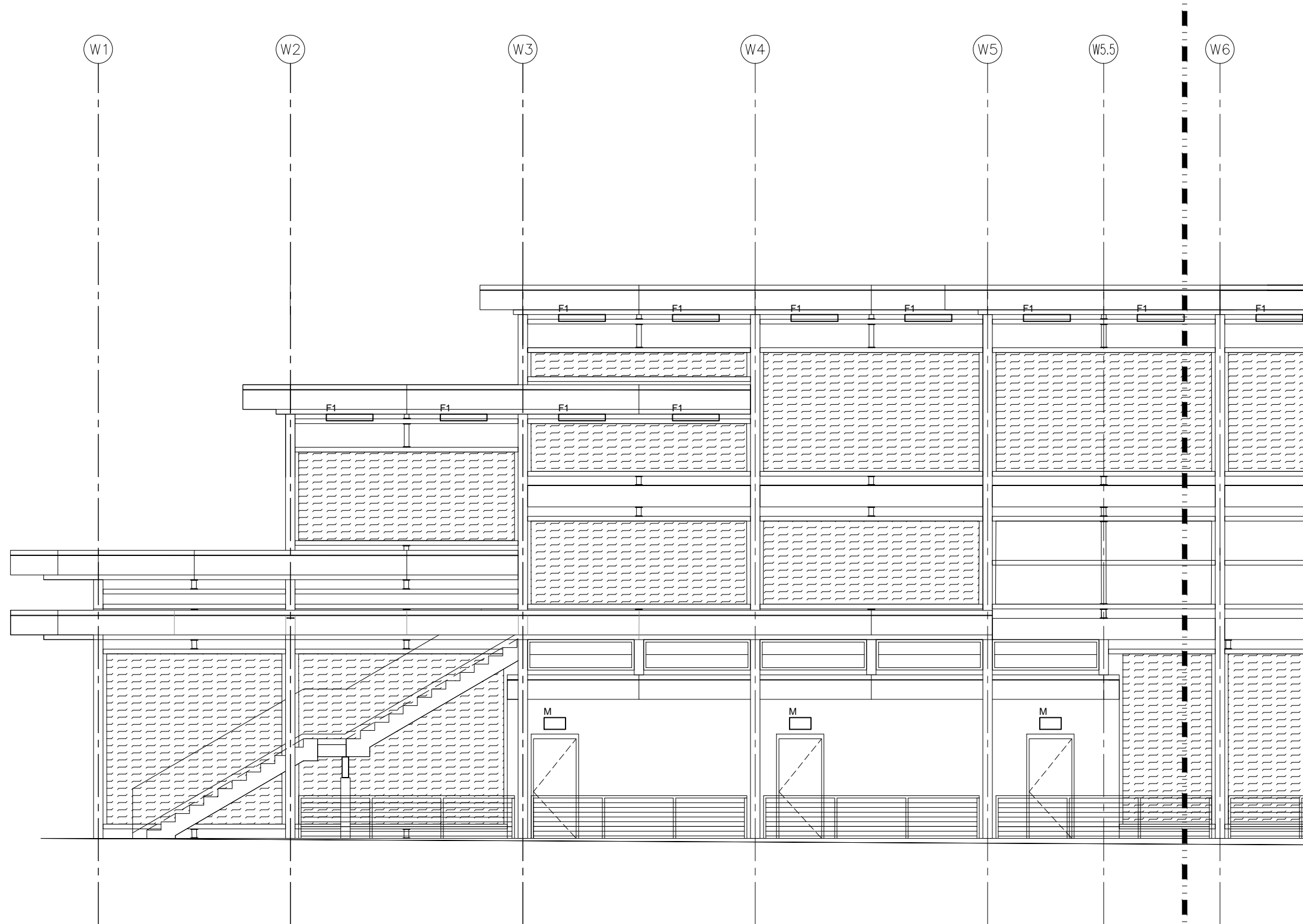
303

OF

319



Sep. 25 2015 09:35 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-ELV-322.dwg By: FergTK



GENERAL NOTES:

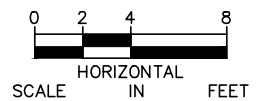
1.

KEYNOTES:

1.



1 VC TRACK 2 - PARTIAL ELEVATION (WEST)  
SCALE: 1/8" = 1'-0"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
ELECTRICAL  
VC TRACK 2 - PARTIAL ELEVATION (WEST)

DISCIPLINE:

ELECTRICAL

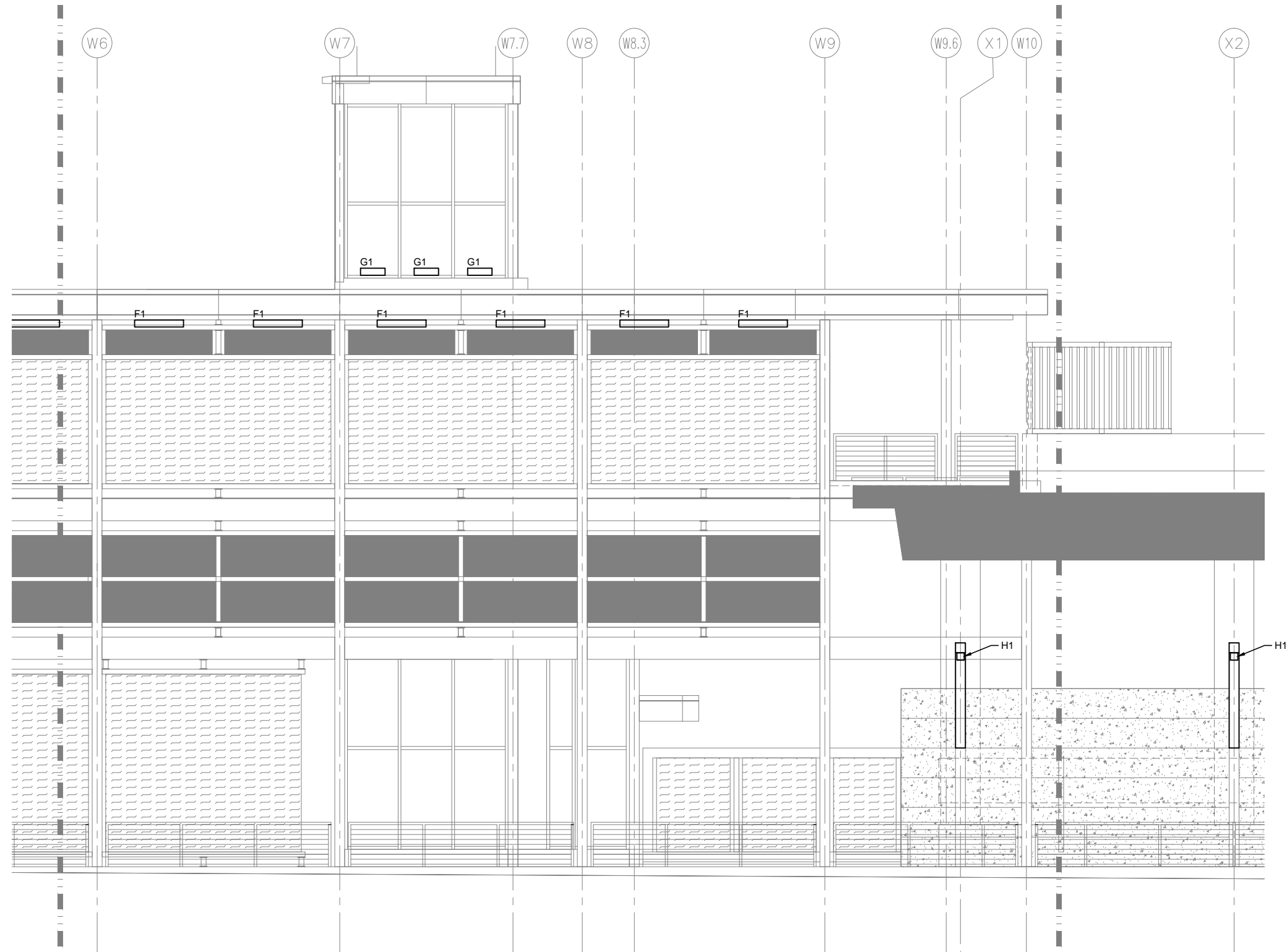
SHEET NAME:

E3-WST-ELE-ELV-322

SHEET  
304  
OF  
319



Sep. 25 2015 09:36 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-ELV-323.dwg By: FergTK



GENERAL NOTES:

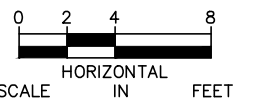
1.

KEYNOTES:

1.



1 VC TRACK 2 – PARTIAL ELEVATION (WEST)  
SCALE: 1/8" = 1'-0"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
ELECTRICAL  
VC TRACK 2 - PARTIAL ELEVATION (WEST)

DISCIPLINE:

ELECTRICAL

SHEET NAME:

E3-WST-ELE-ELV-323

SHEET

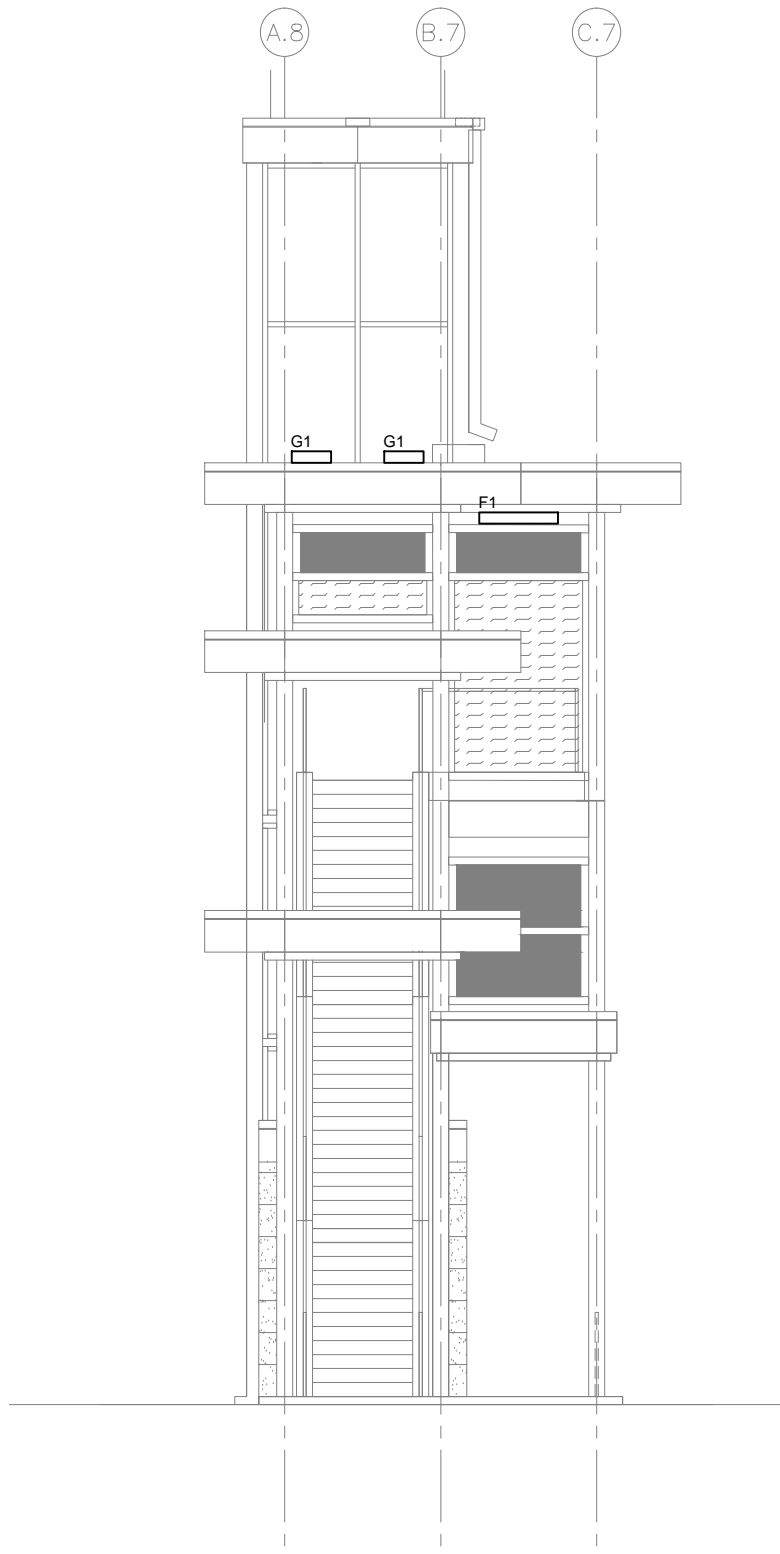
305

OF

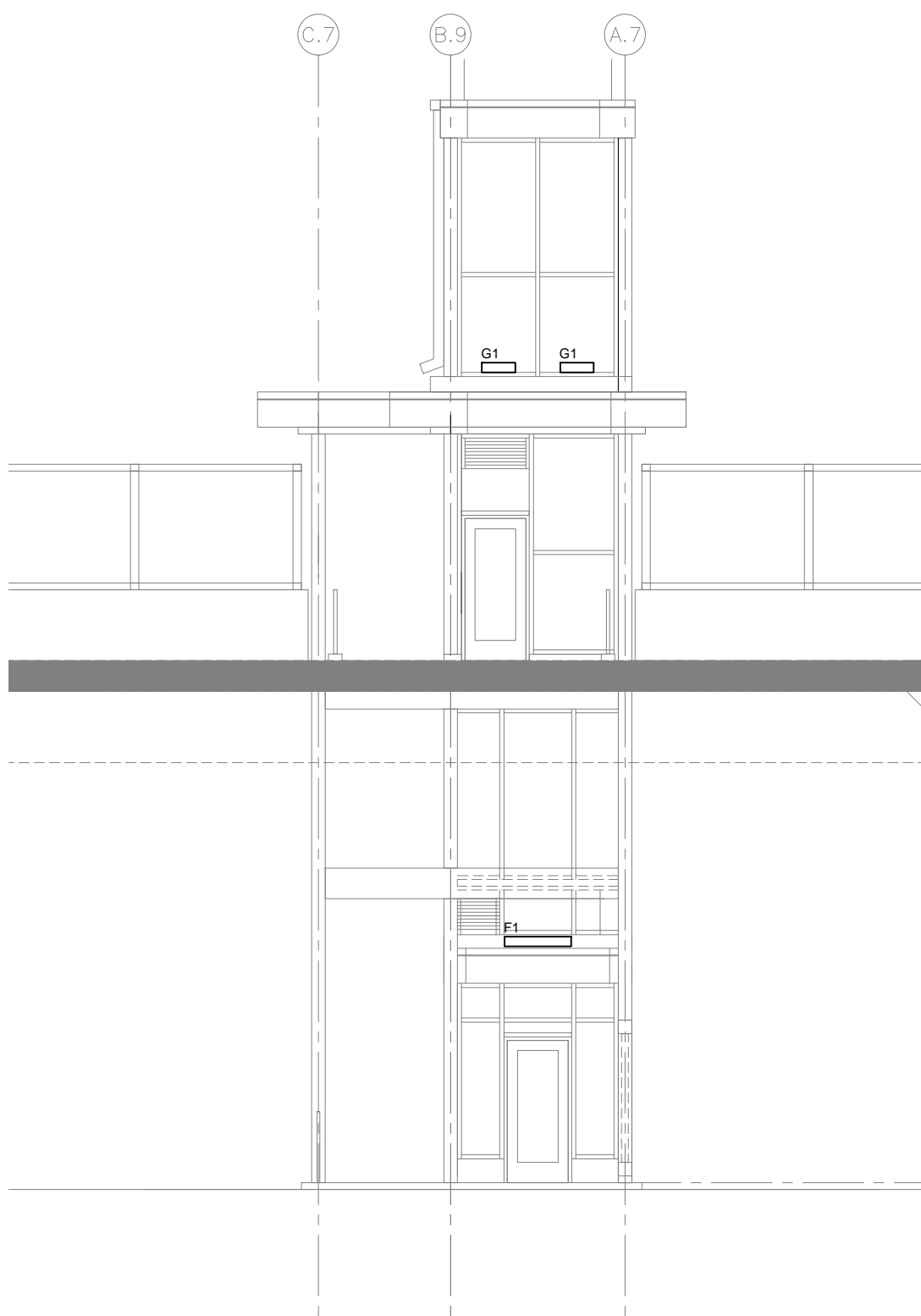
319



Sep. 25 2015 09:37 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-ELV-324.dwg By: FergTK



1 VC – SIDE ELEVATION (WEST)  
SCALE:1/8"=1'-0"



2 VC – SIDE ELEVATION (WEST)  
SCALE:1/8"=1'-0"

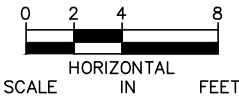
GENERAL NOTES:

1.

KEYNOTES:



1.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15

**METROPOLITAN  
COUNCIL**

**SOUTHWEST**  
Green Line LRT Extension

**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**ELECTRICAL**  
**VC SIDE ELEVATIONS (WEST)**

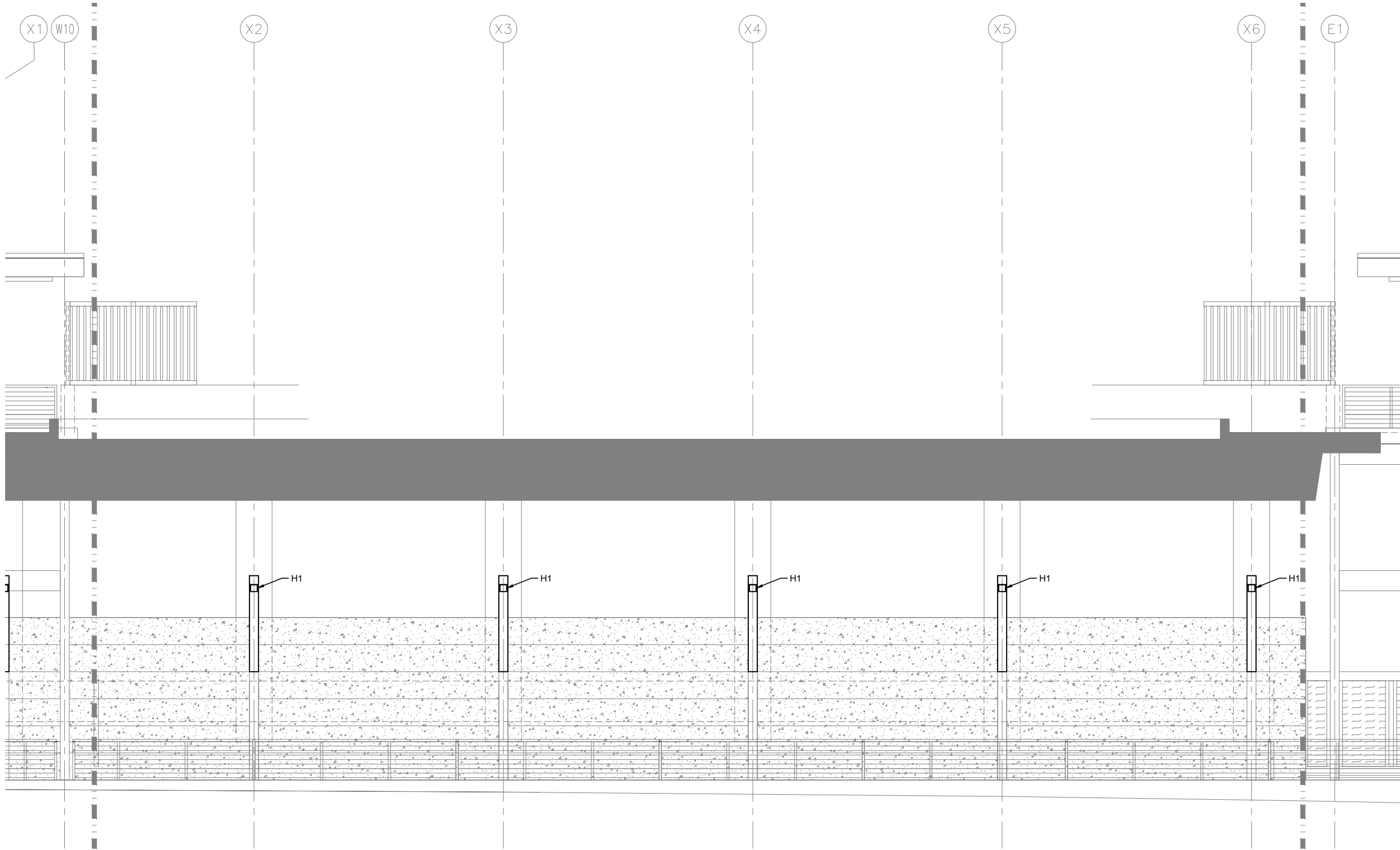
DISCIPLINE: **ELECTRICAL**

SHEET NAME: **E3-WST-ELE-ELV-324**

**SHEET**  
**306**  
**OF**  
**319**



Sep. 25 2015 09:37 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-ELV-325.dwg By: FengTK

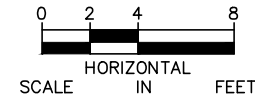


GENERAL NOTES:

1.

KEYNOTES:

1.



1 VC TRACK 2 – PARTIAL ELEVATION (EAST)  
SCALE:1/8"=1'-0"

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
ELECTRICAL  
VC TRACK 2 - PARTIAL ELEVATION (EAST)

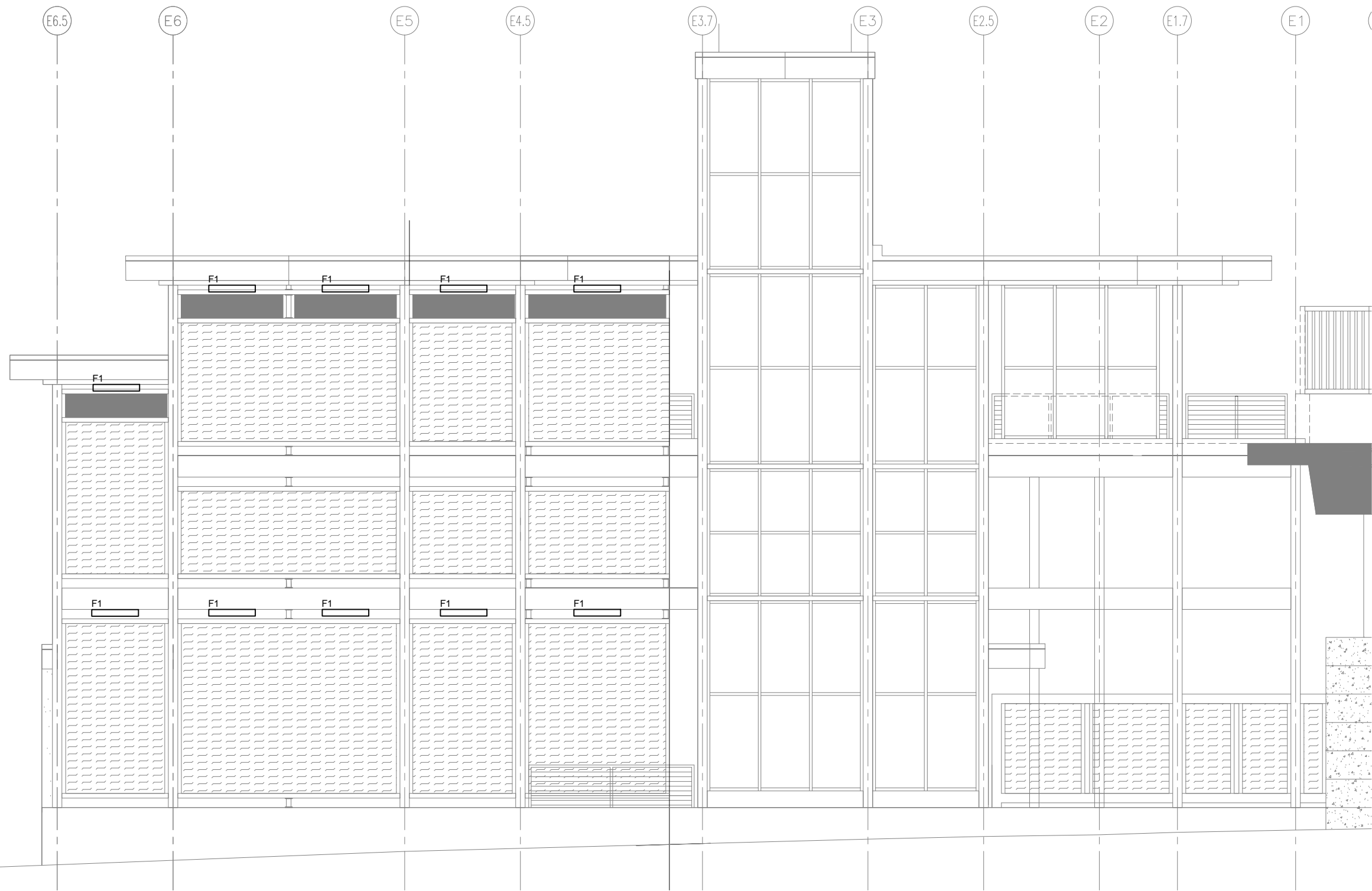
DISCIPLINE:  
ELECTRICAL

SHEET NAME:  
E3-WST-ELE-ELV-325

SHEET  
307  
OF  
319



Sep. 25 2015 09:38 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-ELV-326.dwg By: FergTK

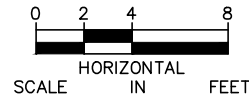


GENERAL NOTES:

1.

KEYNOTES:

1.



1 VC TRACK 1 – PARTIAL ELEVATION (EAST)  
SCALE: 1/8" = 1'-0"

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
ELECTRICAL  
VC TRACK 1 - PARTIAL ELEVATION (EAST)

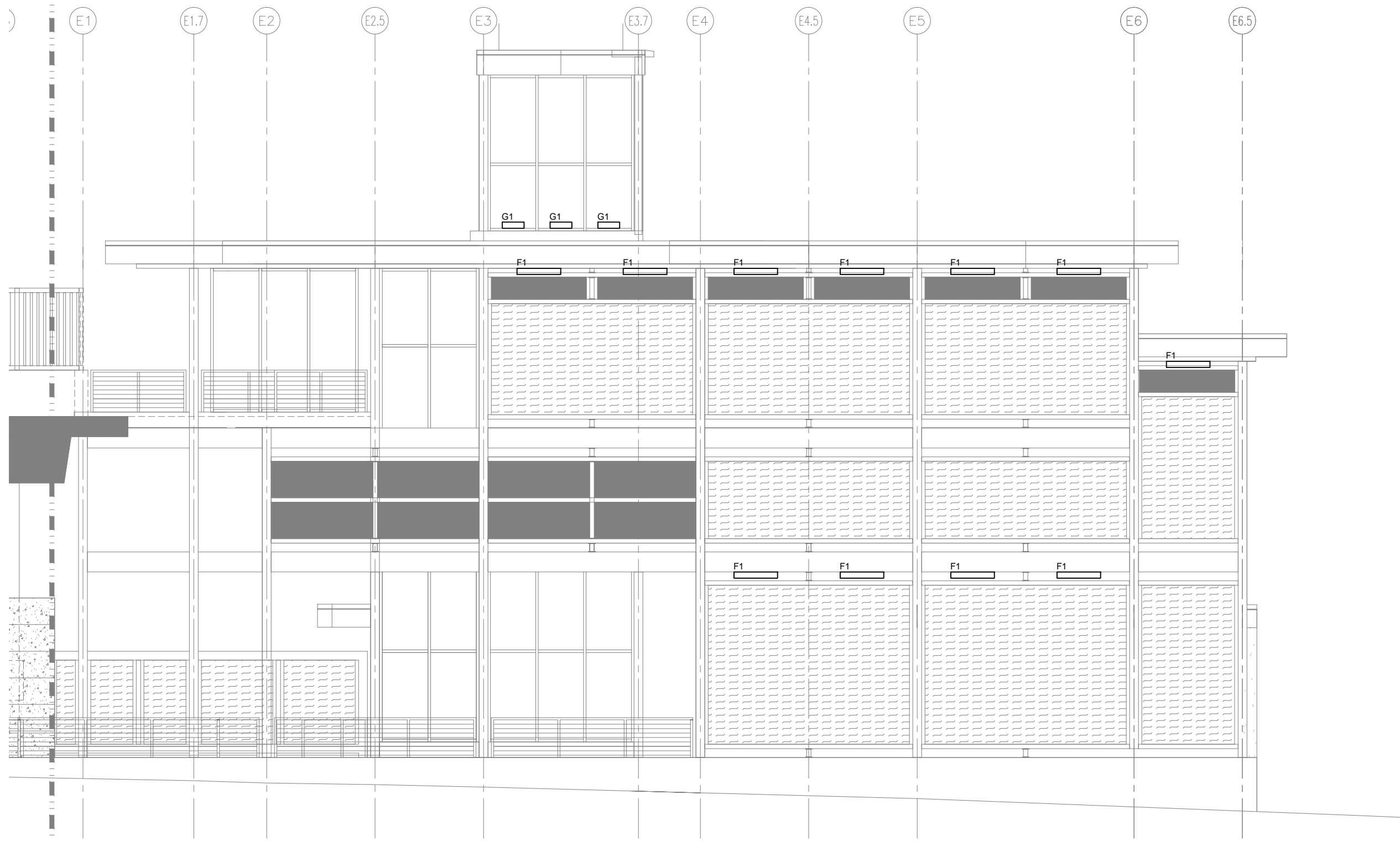
DISCIPLINE:  
ELECTRICAL

SHEET NAME:  
E3-WST-ELE-ELV-326

SHEET  
308  
OF  
319



Sep. 25 2015 09:39 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-ELV-327.dwg By: FergTK

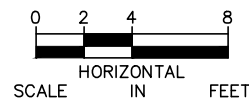


GENERAL NOTES:

1.

KEYNOTES:

1.



1 VC TRACK 2 - PARTIAL ELEVATION (EAST)  
SCALE: 1/8" = 1' - 0"

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
ELECTRICAL  
VC TRACK 2 - PARTIAL ELEVATION (EAST)

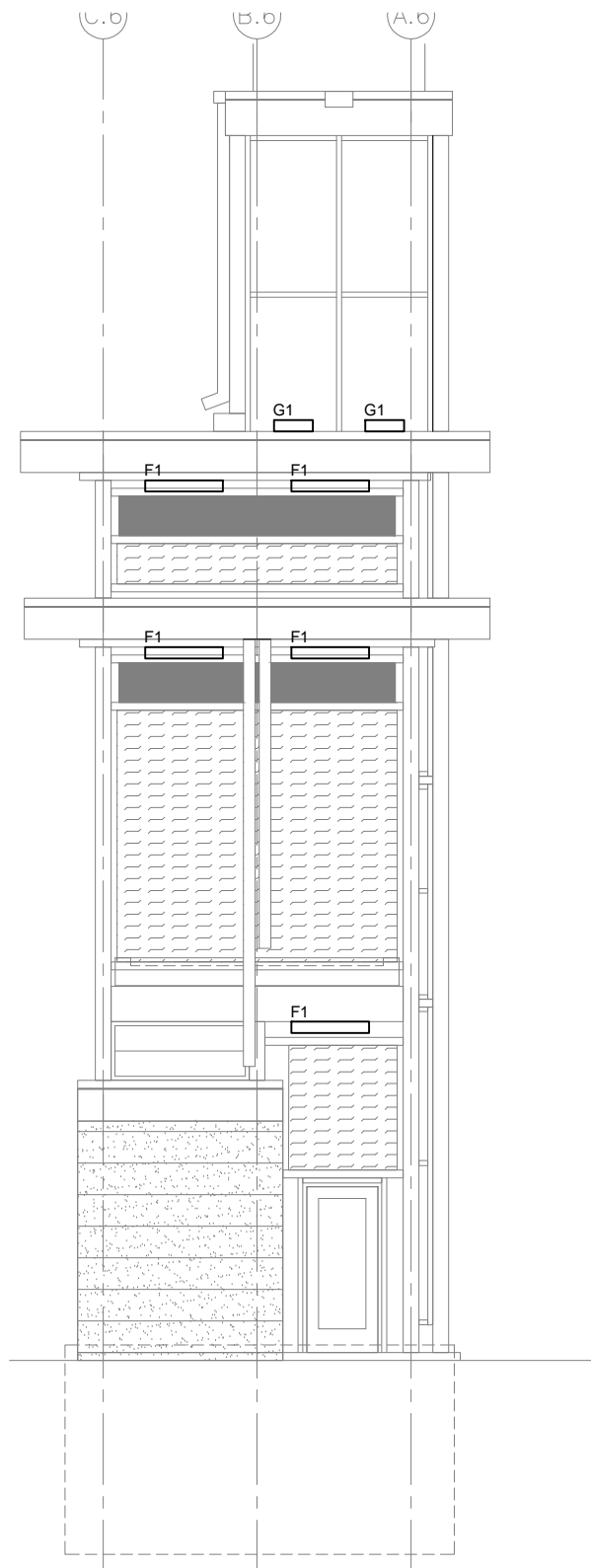
DISCIPLINE:  
ELECTRICAL

SHEET NAME:  
E3-WST-ELE-ELV-327

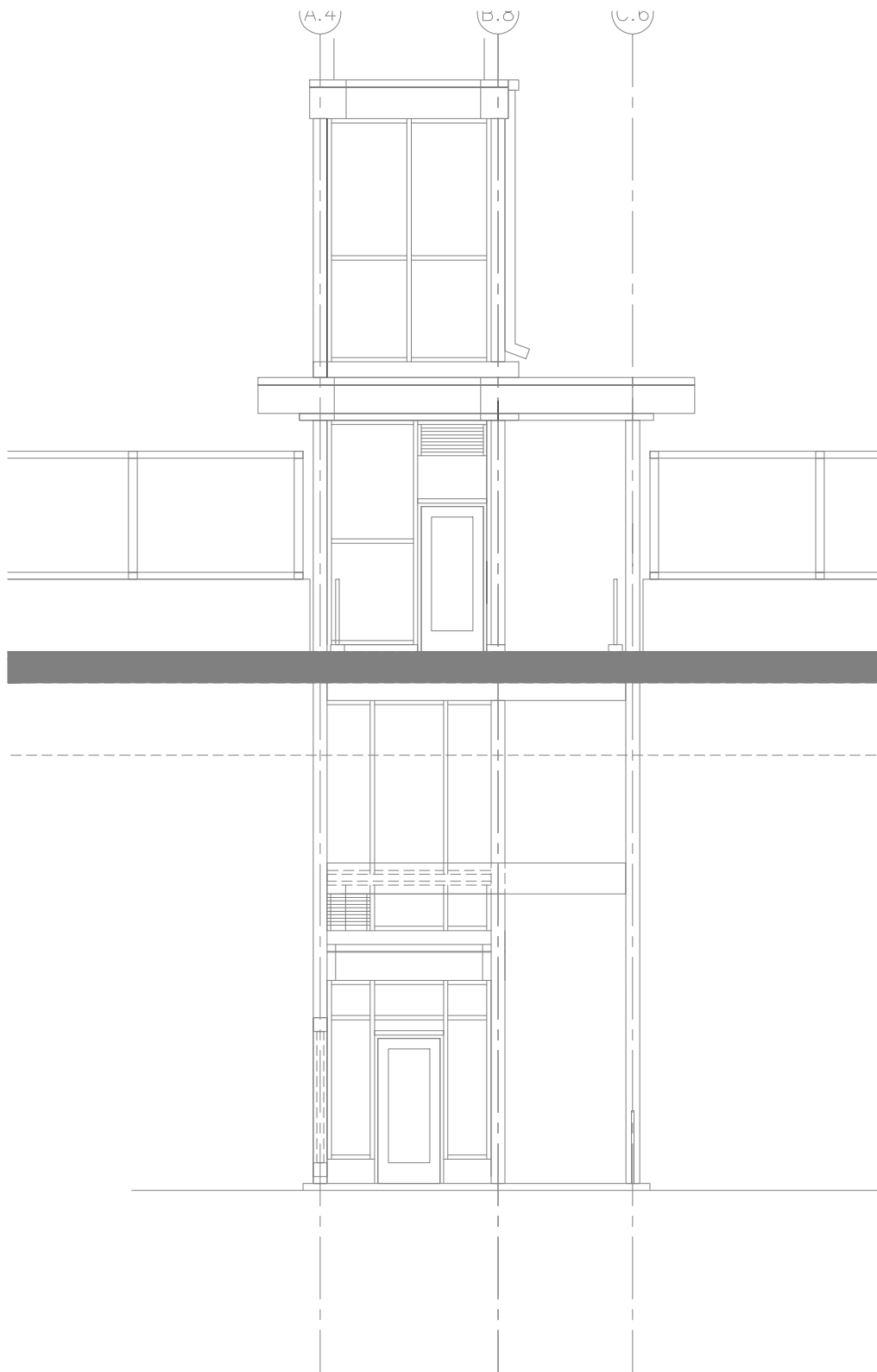
SHEET  
309  
OF  
319



Sep. 25 2015 09:40 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-ELV-328.dwg By: FergTK



1 VC — SIDE ELEVATION (EAST)  
SCALE:1/8"=1'-0"



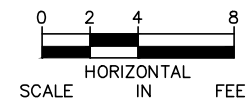
2 VC — SIDE ELEVATION (EAST)  
SCALE:1/8"=1'-0"

GENERAL NOTES:

1.

KEYNOTES:

1.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA



60% SUBMISSION - 09/28/15

**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**ELECTRICAL**  
**VC TRACK 2 - PARTIAL ELEVATION (EAST)**

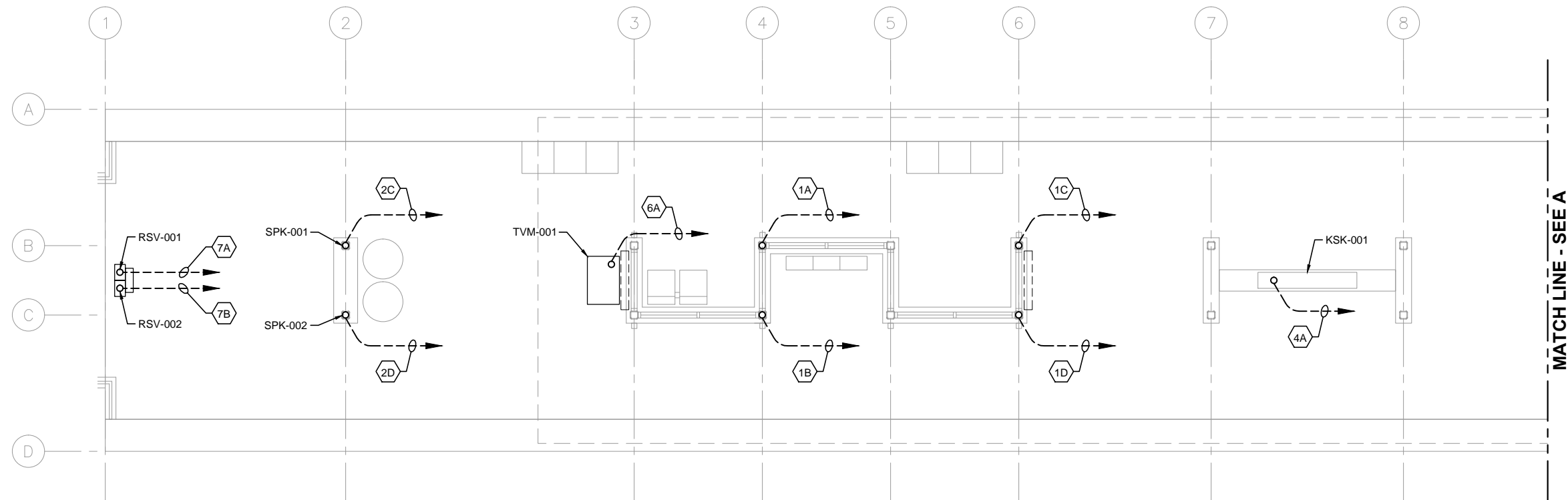
DISCIPLINE:  
**ELECTRICAL**

SHEET NAME:  
**E3-WST-ELE-ELV-328**

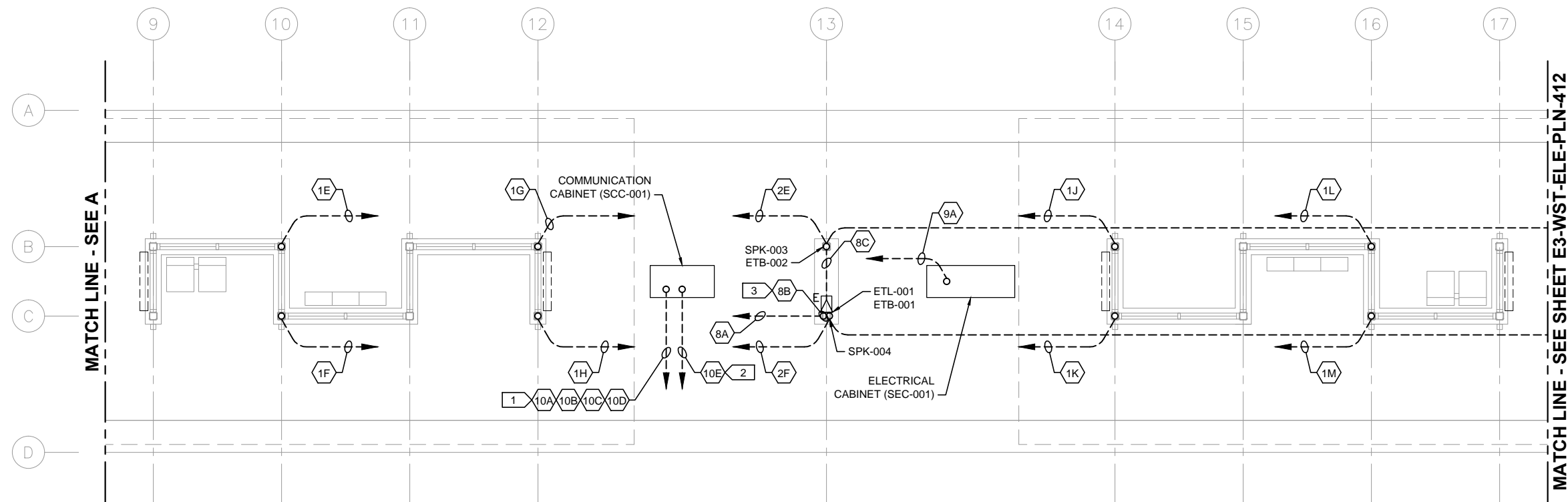
**SHEET**  
**310**  
**OF**  
**319**



Sep. 25 2015 09:40 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-411.dwg By: FergTK



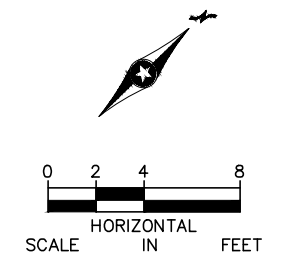
1 PLATFORM PLAN - WEST  
SCALE: 1/8"=1'-0"



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 CANOPY COMMUNICATIONS PLAN.

- KEYNOTES:
1. COMMUNICATIONS CONDUITS TO/FROM STATION SIGNAL-COMMUNICATIONS HOUSE.
  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.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



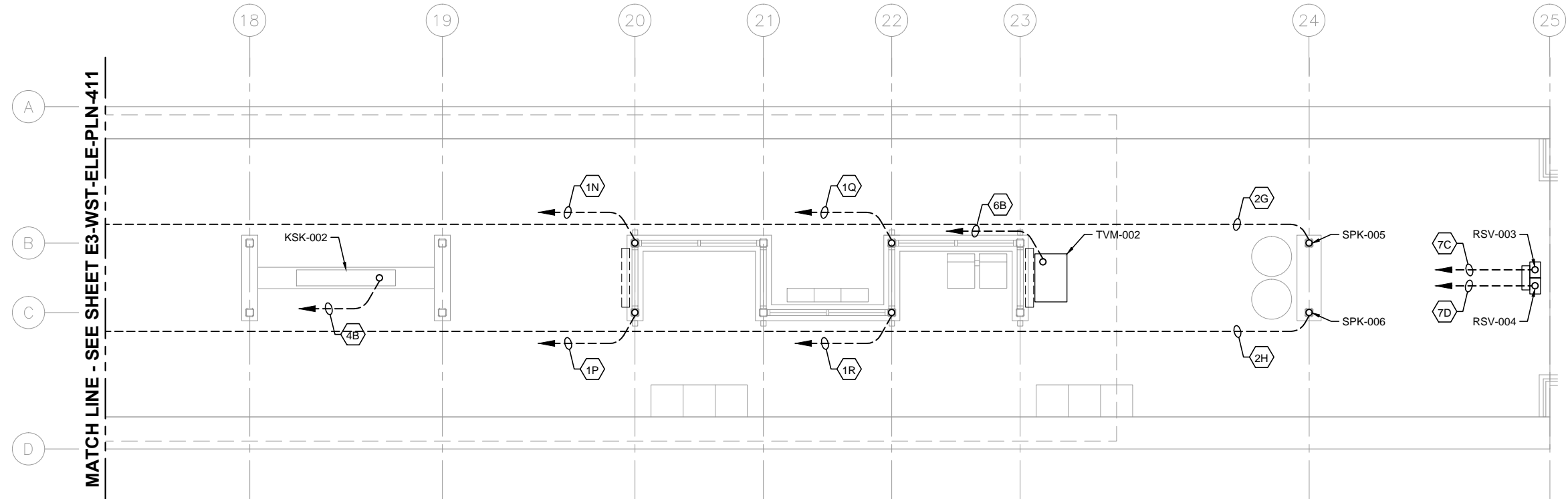
CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
COMMUNICATIONS  
UNDERSLAB CONDUIT PLAN (1 OF 2)

DISCIPLINE: ELECTRICAL  
SHEET NAME: E3-WST-ELE-PLN-411

SHEET  
311  
OF  
319



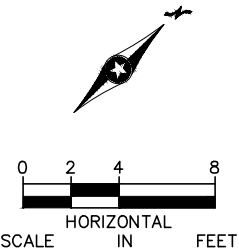
Sep. 25 2015 09:41 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-412.dwg By: FergTK



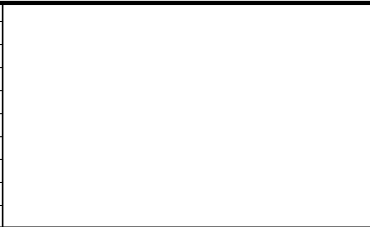
- GENERAL NOTES:
1. DASHED LINES WITH AN ARROWHEAD DENOTE HOMERUN TO SCC-001, UNLESS OTHERWISE NOTED.
  2. FOR CONDUITS AND DEVICES MOUNTED TO CANOPY, SEE CANOPY COMMUNICATIONS PLAN.

- KEYNOTES:
1. COMMUNICATIONS CONDUITS TO/FROM STATION SIGNAL-COMMUNICATIONS HOUSE.
  2. CONDUIT TO/FROM STATION-COMMUNICATIONS HOUSE FOR UPS POWER FEED TO SCC-001.

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



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



**AECOM**

**MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15

**METROPOLITAN**  
COUNCIL

**SOUTHWEST**  
Green Line LRT Extension

**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**COMMUNICATIONS**  
**UNDERSLAB CONDUIT PLAN (2 OF 2)**

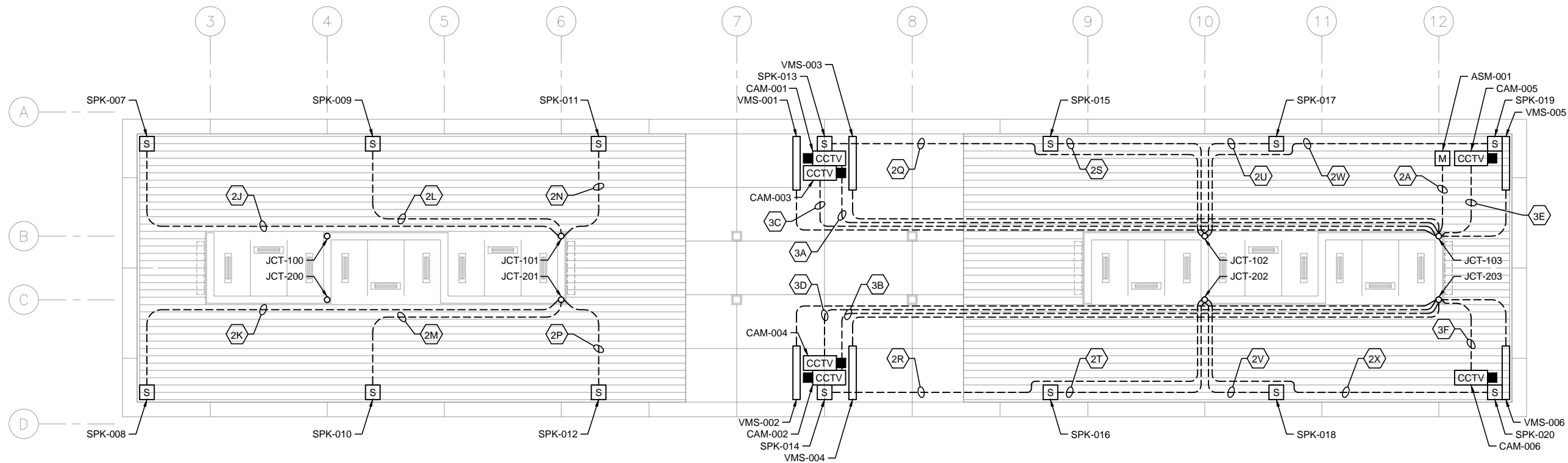
DISCIPLINE: **ELECTRICAL**

SHEET NAME: **E3-WST-ELE-PLN-412**

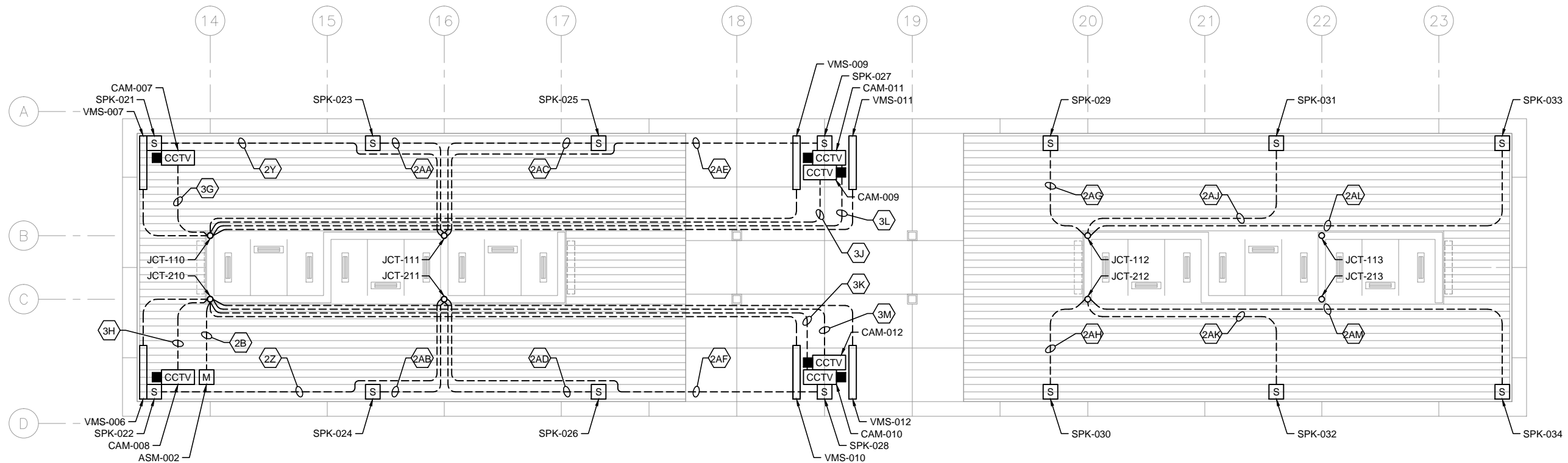
SHEET  
312  
OF  
319



Sep. 25 2015 09:42 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-421.dwg By: FergTK



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



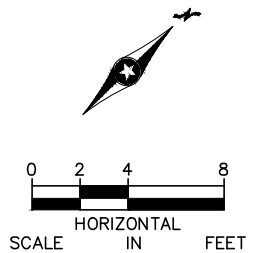
2 CANOPY PLAN - EAST  
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1.

KEYNOTES:

1.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
COMMUNICATIONS  
CANOPY PLAN

DISCIPLINE:

ELECTRICAL

SHEET NAME:

E3-WST-ELE-PLN-421

SHEET

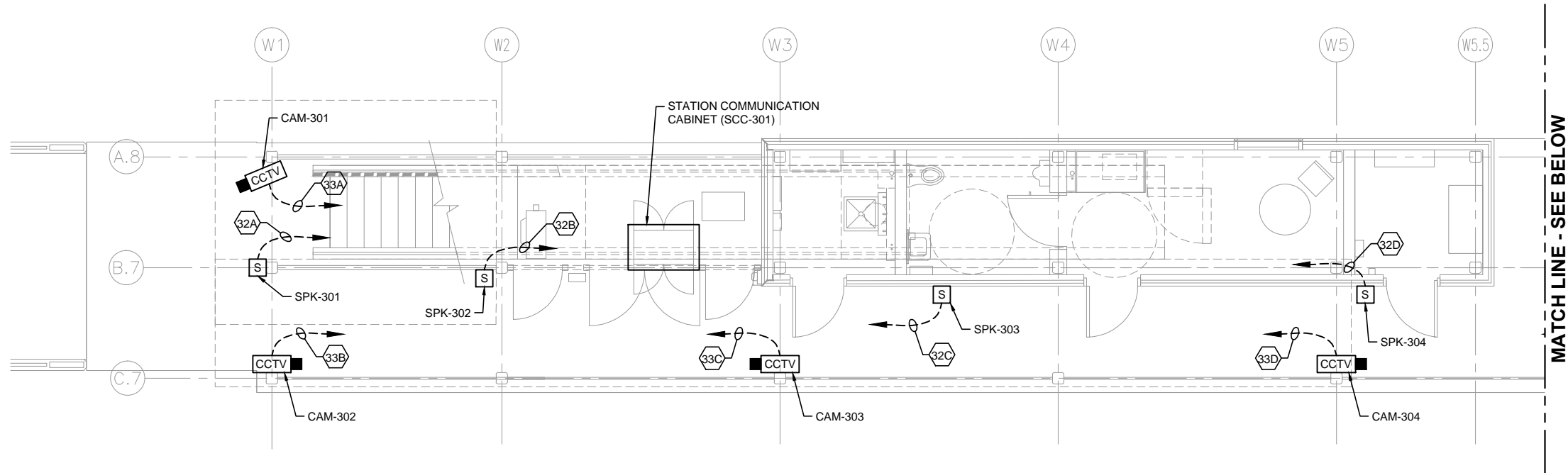
313

OF

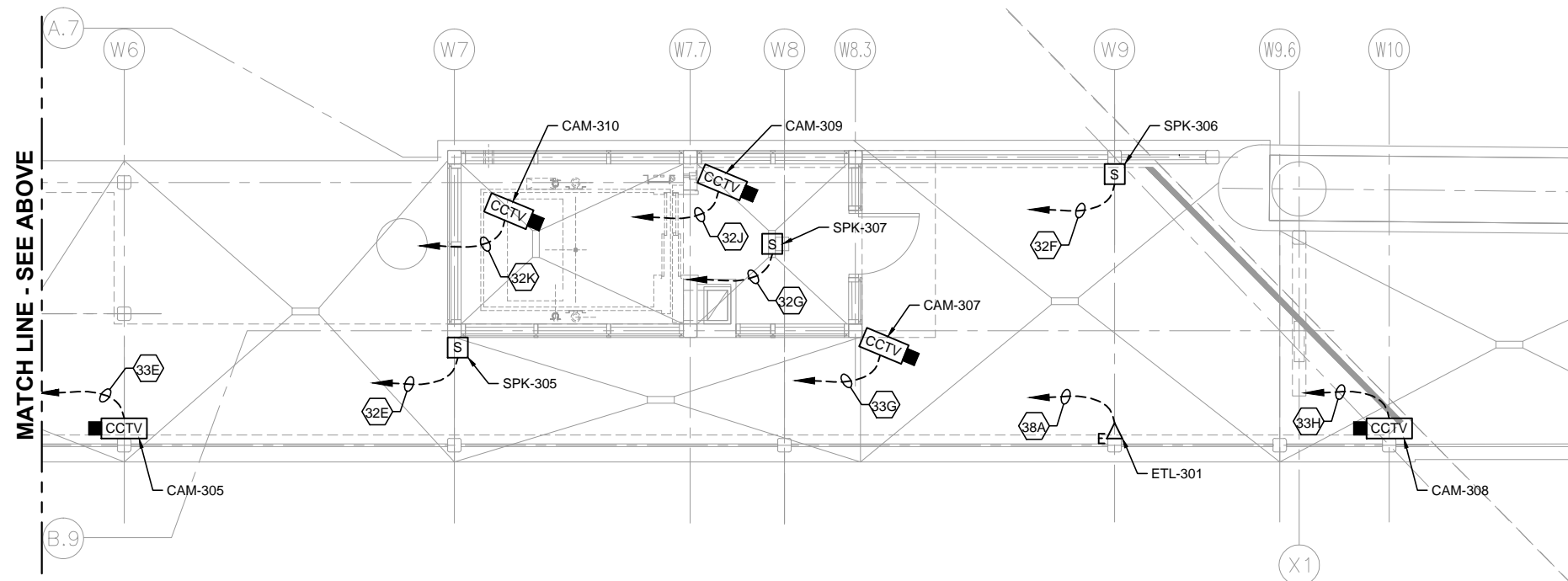
319



Sep, 25 2015 09:43 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-431.dwg By: FergTK



1 VC PLATFORM LEVEL PARTIAL PLAN (WEST)  
SCALE: 1/8"=1'-0"



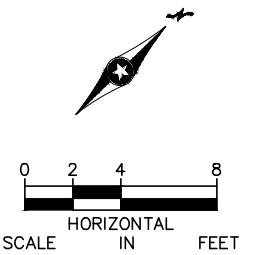
2 VC PLATFORM LEVEL PARTIAL PLAN (WEST)  
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. DASHED LINE WITH ARROWHEAD DENOTES HOME RUN TO SCC-301 UNLESS OTHERWISE NOTED.

KEYNOTES:

- 1.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



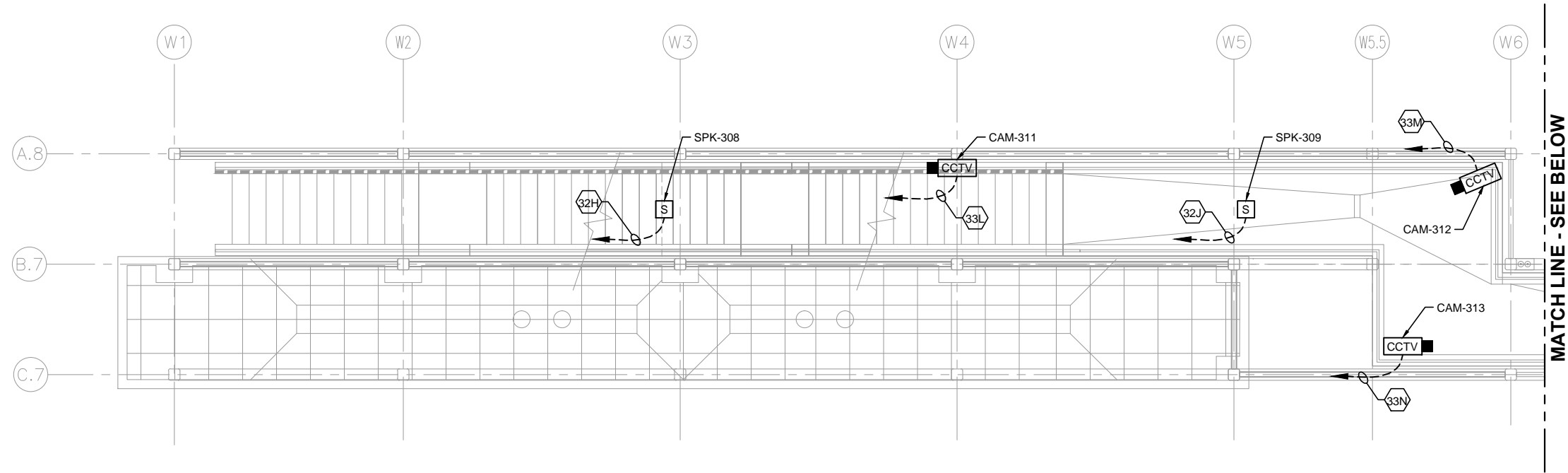
60% SUBMISSION - 09/28/15



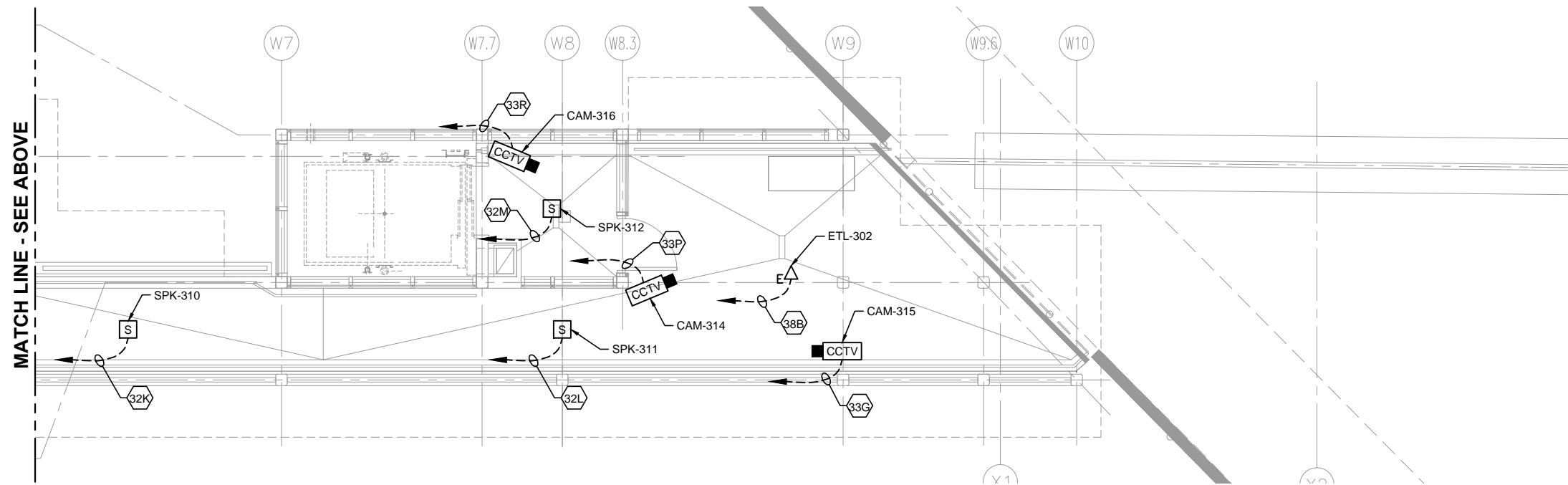
CIVIL EAST - VOLUME 11A WEST LAKE STATION COMMUNICATIONS VC PLATFORM LEVEL PLAN (WEST)		SHEET
		314
		OF
		319
DISCIPLINE:	SHEET NAME:	
ELECTRICAL	E3-WST-ELE-PLN-431	



Sep, 25 2015 09:44 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-432.dwg By: FergTK



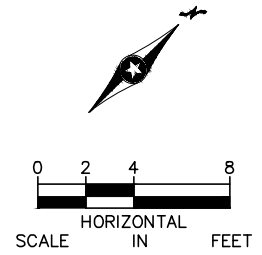
1 VC BRIDGE LEVEL PLAN (WEST)  
SCALE: 1/8"=1'-0"



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.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

**AECOM**

**MP Consultants**  
CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15

**METROPOLITAN COUNCIL**

**SOUTHWEST**  
Green Line LRT Extension

**CIVIL EAST - VOLUME 11A**  
**WEST LAKE STATION**  
**COMMUNICATIONS**  
**VC BRIDGE LEVEL PLAN (WEST)**

DISCIPLINE: **ELECTRICAL**

SHEET NAME: **E3-WST-ELE-PLN-432**

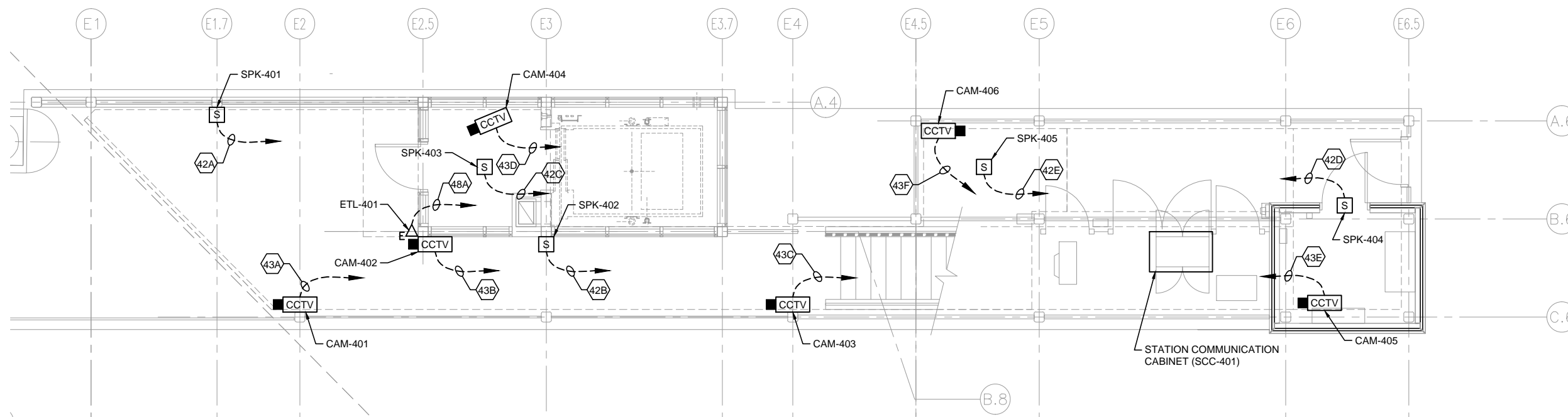
**SHEET 315 OF 319**



Sep. 25 2015 09:45 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-433.dwg By: FergTK

GENERAL NOTES:

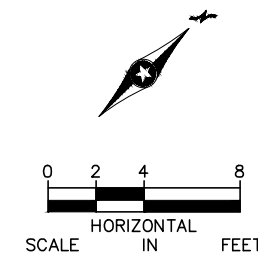
1. DASHED LINE WITH ARROWHEAD DENOTES HOME RUN TO SCC-401 UNLESS OTHERWISE NOTED.



KEYNOTES:

- 1.

1 VC PLATFORM LEVEL PARTIAL PLAN (EAST)  
SCALE: 1/8"=1'-0"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
COMMUNICATIONS  
VC PLATFORM LEVEL PLAN (EAST)

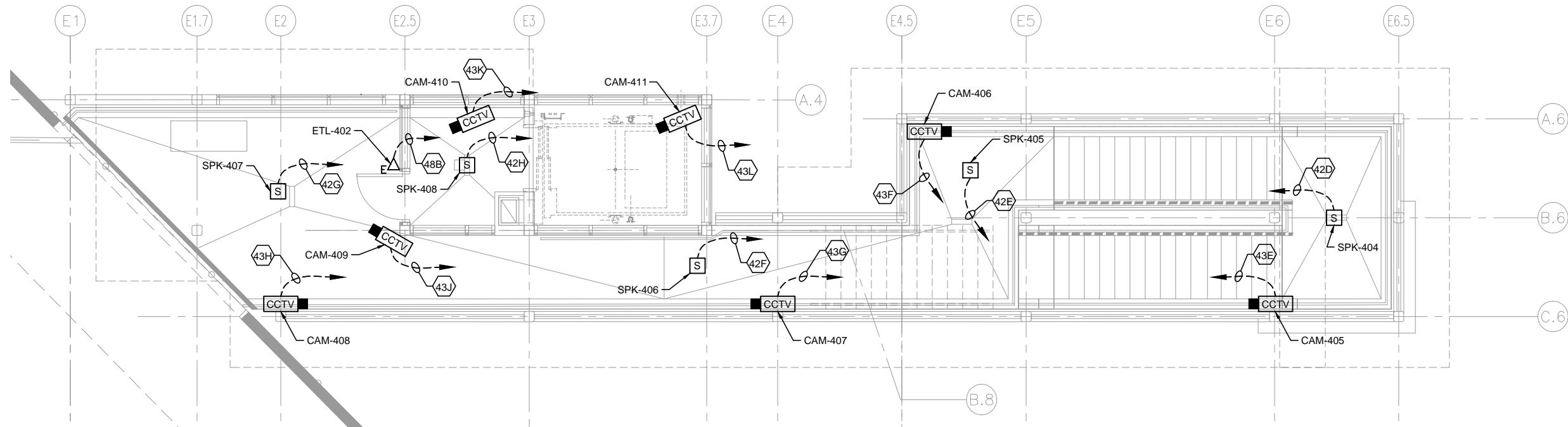
DISCIPLINE:  
ELECTRICAL

SHEET NAME:  
E3-WST-ELE-PLN-433

SHEET  
316  
OF  
319



Sep. 25 2015 09:45 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-PLN-434.dwg By: FergTK



GENERAL NOTES:

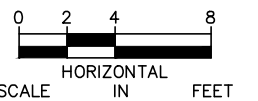
1. DASHED LINE WITH ARROWHEAD DENOTES HOME RUN TO SCC-401 UNLESS OTHERWISE NOTED.

KEYNOTES:

- 1.



2 VC BRIDGE LEVEL PLAN (WEST)  
SCALE: 1/8"=1'-0"



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15



CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
COMMUNICATIONS  
VC BRIDGE LEVEL PLAN (EAST)

DISCIPLINE:

ELECTRICAL

SHEET NAME:

E3-WST-ELE-PLN-434

SHEET

317

OF

319



Sep. 25 2015 09:46 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-SCH-461.dwg By: FergTK

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 -SCC-001	WST -SPK-005	1-1/2"
2H	WST -CON-0208	SPEAKER 6 - POLE	WST -SCC-001	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"

1

COMMUNICATIONS CONDUIT SCHEDULE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL




MP Consultants

CONSULTING ENGINEERING  
MINNEAPOLIS • MINNESOTA

60% SUBMISSION - 09/28/15





CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
COMMUNICATIONS  
CONDUIT SCHEDULE (1 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E3-WST-ELE-SCH-461



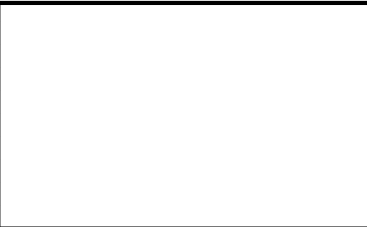
Sep. 25 2015 09:46 am V:\3400\_ADC\CAD\SEGMENT E3\PLAN SHEETS\ELECTRICAL\E3-WST-ELE-SCH-462.dwg By: FergTK

CONDUIT NO.	DEVICE ID	DESCRIPTION/USE	FROM	TO	CONDUIT SIZE
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"
3A	WST -CON-0301	CAMERA 1	WST -JCT-100	WST CAM-001	1"
3B	WST -CON-0302	CAMERA 2	WST -JCT-200	WST CAM-002	1"
3C	WST -CON-0303	CAMERA 3	WST -JCT-100	WST CAM-003	1"
3D	WST -CON-0304	CAMERA 4	WST -JCT-200	WST CAM-004	1"
3E	WST -CON-0305	CAMERA 5	WST -JCT-100	WST CAM-005	1"
3F	WST -CON-0306	CAMERA 6	WST -JCT-200	WST CAM-006	1"
3G	WST -CON-0307	CAMERA 7	WST -JCT-120	WST CAM-007	1"
3H	WST -CON-0308	CAMERA 8	WST -JCT-220	WST CAM-008	1"
3J	WST -CON-0309	CAMERA 9	WST -JCT-120	WST CAM-009	1"
3K	WST -CON-0310	CAMERA 10	WST -JCT-220	WST CAM-010	1"
3L	WST -CON-0311	CAMERA 11	WST -JCT-120	WST CAM-011	1"
3M	WST -CON-0312	CAMERA 12	WST -JCT-220	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	WST -JCT-100	WST -VMS-001	1"
5B	WST -CON-0502	VMS 2	WST -JCT-200	WST -VMS-002	1"
5C	WST -CON-0503	VMS 3	WST -JCT-100	WST -VMS-003	1"
5D	WST -CON-0504	VMS 4	WST -JCT-200	WST -VMS-004	1"
5E	WST -CON-0505	VMS 5	WST -JCT-100	WST -VMS-005	1"
5F	WST -CON-0506	VMS 6	WST -JCT-200	WST -VMS-006	1"
5G	WST -CON-0507	VMS 7	WST -JCT-120	WST -VMS-007	1"
5H	WST -CON-0508	VMS 8	WST -JCT-220	WST -VMS-008	1"
5J	WST -CON-0509	VMS 9	WST -JCT-120	WST -VMS-009	1"
5K	WST -CON-0510	VMS 10	WST -JCT-220	WST -VMS-010	1"
5L	WST -CON-0511	VMS 11	WST -JCT-120	WST -VMS-011	1"
5M	WST -CON-0512	VMS 12	WST -JCT-220	WST -VMS-012	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"

1

COMMUNICATIONS CONDUIT SCHEDULE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



60% SUBMISSION - 09/28/15

CIVIL EAST - VOLUME 11A  
WEST LAKE STATION  
COMMUNICATIONS  
CONDUIT SCHEDULE (2 OF 2)

DISCIPLINE: ELECTRICAL

SHEET NAME: E3-WST-ELE-SCH-462