

EASTRIDGE TO BART REGIONAL CONNECTOR PROJECT CAPITOL LIGHT RAIL EXTENSION

PLANS – VOLUME 3: STATIONS

PROJECT ADMINISTERED BY:



DESIGNED BY:

BKF ENGINEERS
1730 N 1st Street #600
San Jose, CA 95112

95% Design

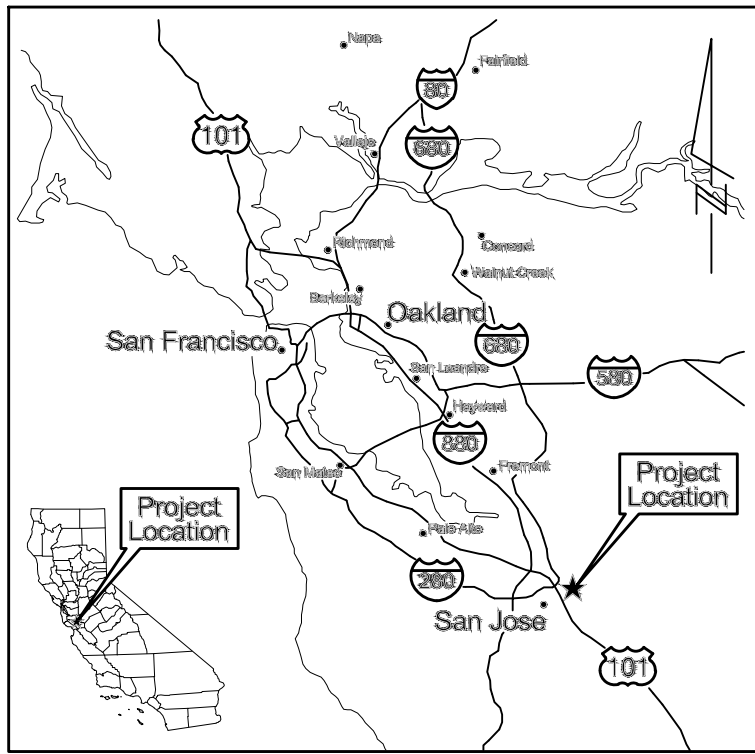
June 30, 2020

EC202006-0134

PARTICIPATING AGENCIES:



Solutions that move you



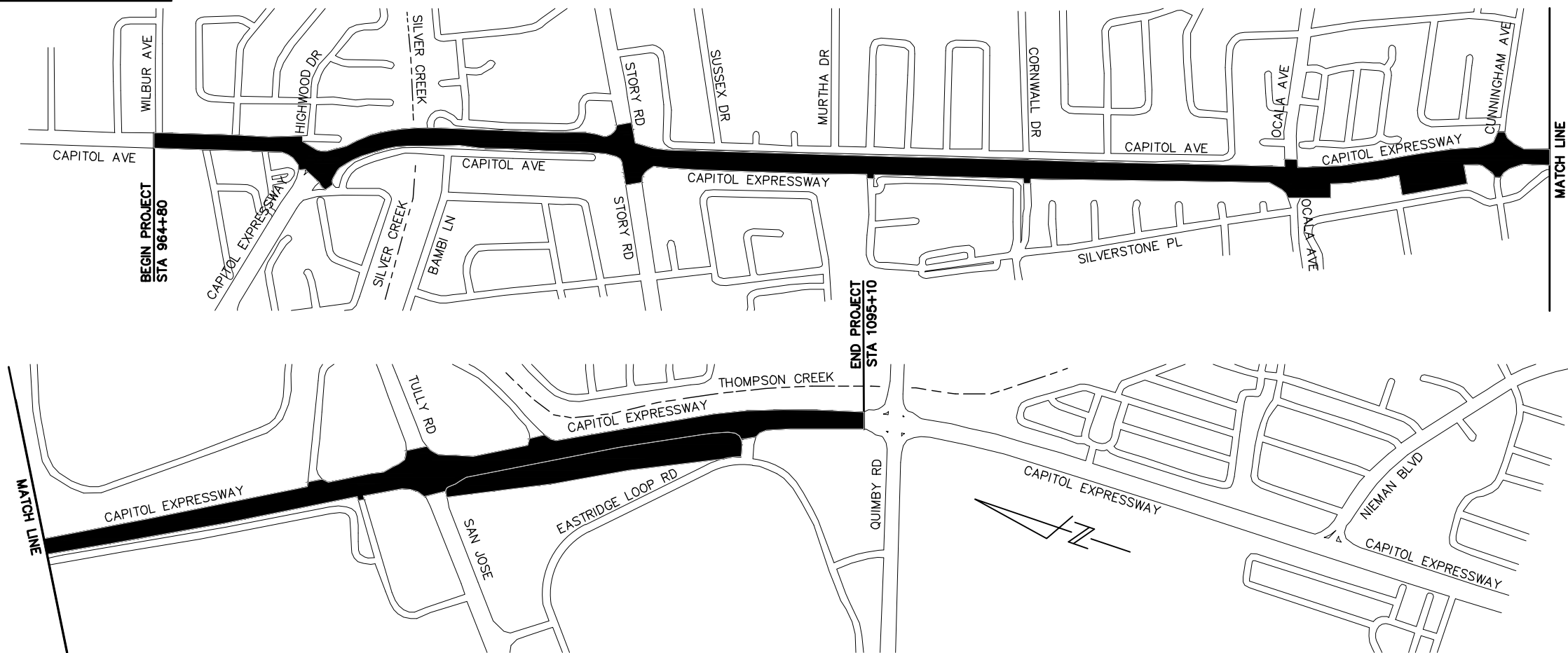
PROJECT LOCATION

SANTA CLARA VALLEY TRANSPORTATION AUTHORITY
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT

WILBUR AVENUE TO QUIMBY ROAD

VOLUME 1

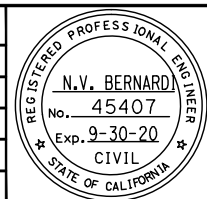
CIVIL
 TRACK
 LANDSCAPE



PROJECT SITE MAP

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



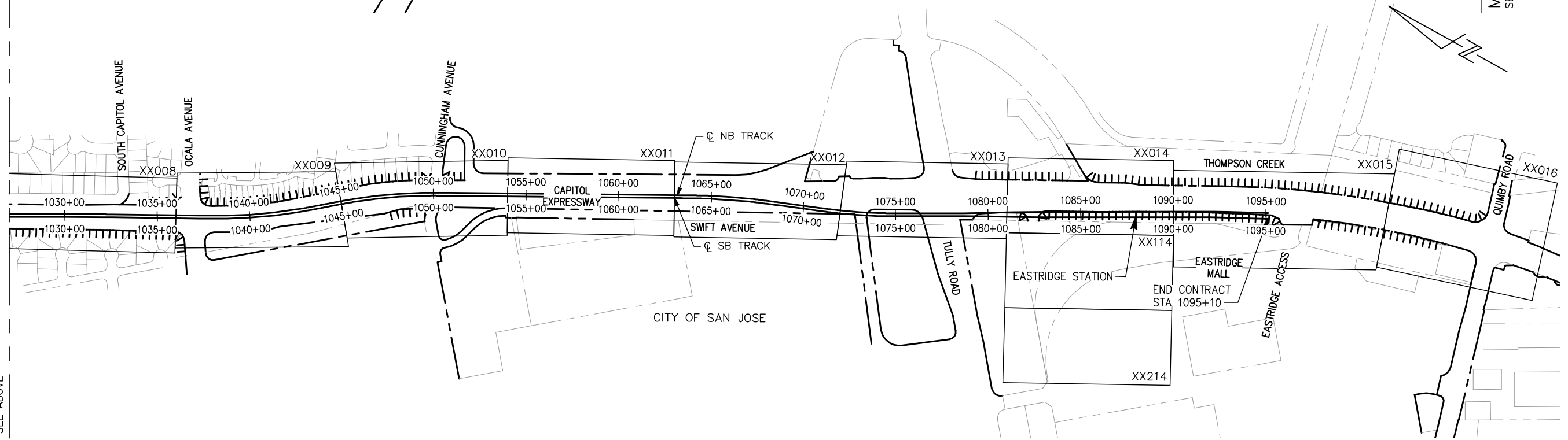
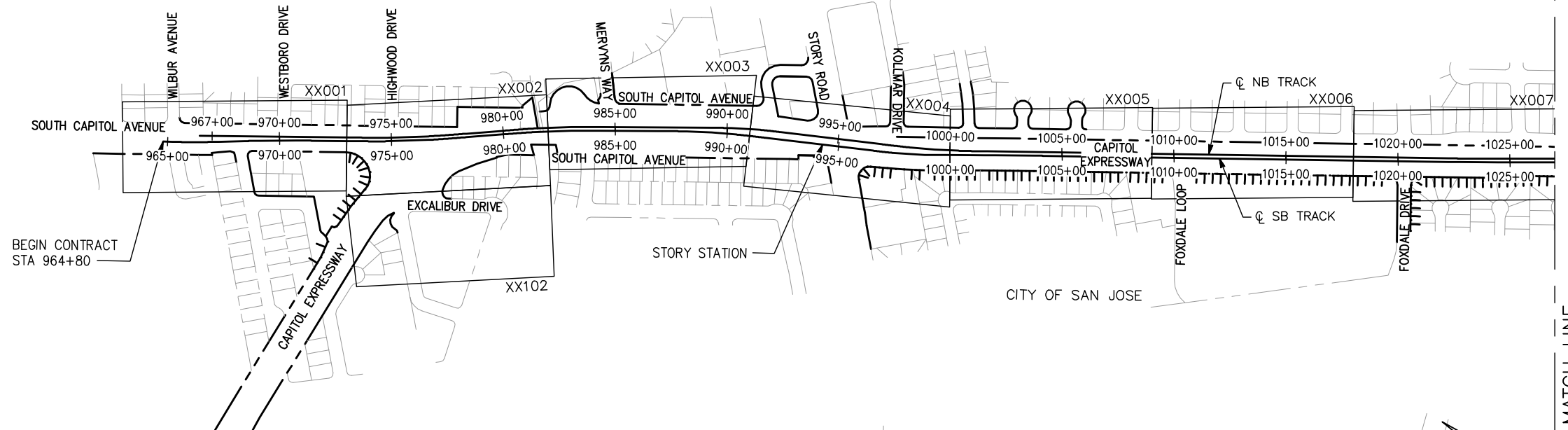
SUBMITTED	
DESIGNED	CHECKED
C. Chi	M. Cosentino
DRAWN	CADD FILE NAME
A. Hernandez	801GN001.dwg



APPROVED	
CADD FILE DATE	SCALE
06/26/20	NTS
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

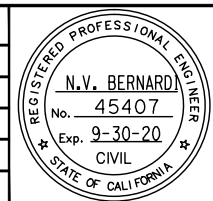
EASTRIDGE TO BART REGIONAL CONNECTOR		
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT		
GENERAL TITLE		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	GN001
REVISION	C



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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



BKF 100+ YEARS

 ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: C. Chi CHECKED: M. Cosentino

 DRAWN: A. Hernandez CADD FILE NAME: 801GN002.dwg

Santa Clara Valley

 Transportation

 Authority

BKF 100+ YEARS

 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 03/06/20 SCALE: NTS

 SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR

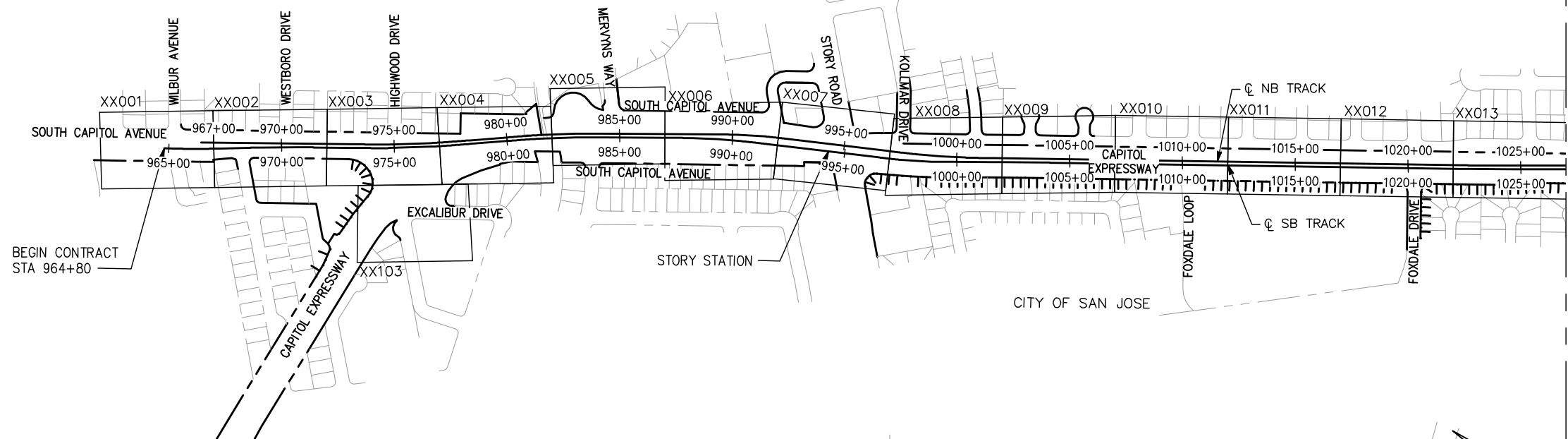
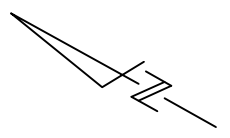
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT

 GENERAL KEYMAP

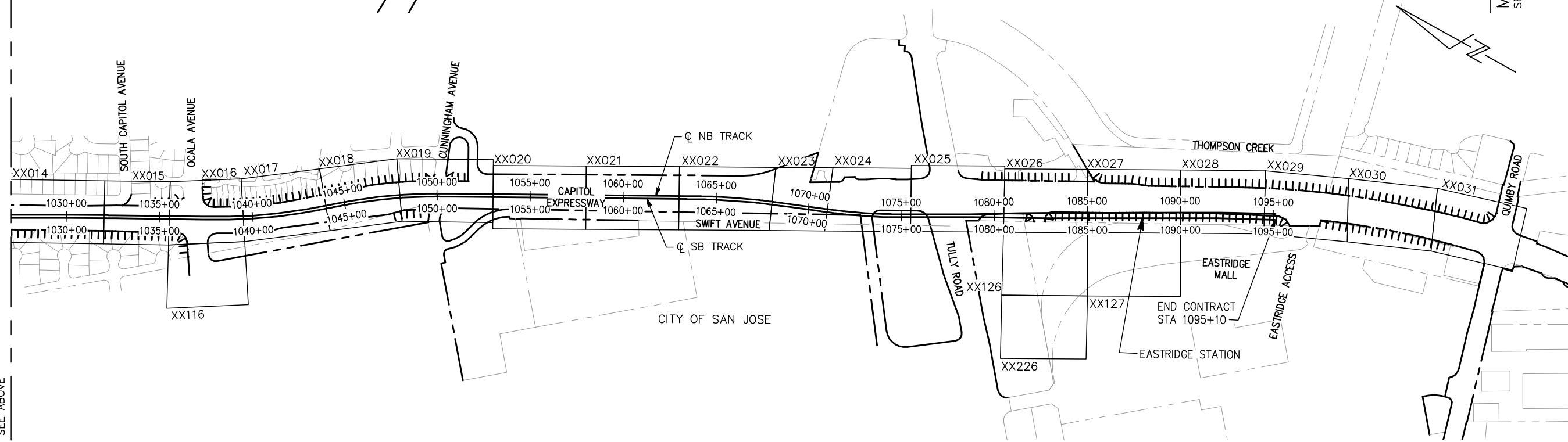
 40 - SCALE

PCA NO.: 000 CONTRACT NO.: C801 FILE LOCATION: PROJECTWISE

SHEET OF	GN002
DRAWING NO.	GN002
REVISION	C



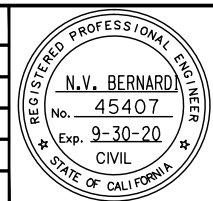
MATCH LINE
SEE BELOW



MATCH LINE
SEE ABOVE

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A	06/18	35% SUBMITTAL SET



SUBMITTED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: C. Chi
CHECKED: M. Cosentino
DRAWN: A. Hernandez
CADD FILE NAME: 801GN003.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 03/06/20
SUBMITTAL DATE: 06/29/20
SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GENERAL
KEYMAP
20 - SCALE

PCA NO.: 000
CONTRACT NO.: C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	GN003
REVISION	C

VOLUME 1
CIVIL, TRACK AND LANDSCAPE

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EASTRIDGE STATION
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EASTRIDGE STATION SIGNALS/COMM HOUSE
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CTS BLOCK DIAGRAM
BLOCK DIAGRAM
POWER SINGLE LINE DIAGRAM
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INSTALLATION DETAILS
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COMBINED SYSTEM DUCT

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VOLUME 5
BRT OCALA STATION

GENERAL
TITLE SHEET
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INDEX OF DRAWINGS
GENERAL ABBREVIATIONS
GENERAL LEGEND

CIVIL

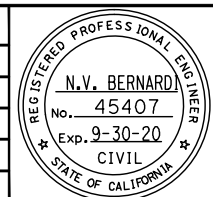
PLAN
DETAILS

STRUCTURAL

DESIGN CRITERIA
PLAN & ELEVATION
FOUNDATION DETAILS

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED

 DESIGNED: C. Chi
 CHECKED: M. Cosentino
 DRAWN: A. Hernandez
 CADD FILE NAME: 801GN004.dwg

Santa Clara Valley
 Transportation
 Authority

APPROVED

 CADD FILE DATE: 03/06/20
 SCALE: NTS
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT GENERAL DESIGN DRAWING VOLUMES LAYOUT AND ORGANIZATION			SHEET OF DRAWING NO. GN004 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

DRAWING INDEX VOLUME 1

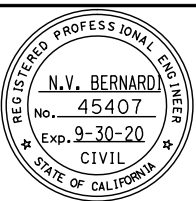
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Table with columns: SHT NO, DWG NO, REV, TITLE. Includes sections for GENERAL (SHT 54-85) and CIVIL (SHT 52-53).

Table with columns: SHT NO, DWG NO, REV, TITLE. Includes sections for CIVIL (SHT 112-134) and CIVIL (SHT 135-169).

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Table with columns: NO., DATE, REVISIONS. Shows revision history for drawing 06/18.



Submitted by BKF100+ ENGINEERS / SURVEYORS / PLANNERS. Includes logos and names of C. Chi and M. Cosentino.

Santa Clara Valley Transportation Authority logo and name.

Approved by BKF100+ ENGINEERS / SURVEYORS / PLANNERS. Includes logos and names of C. Chi and M. Cosentino.

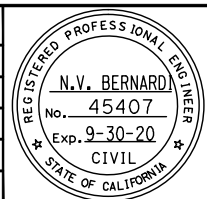
Project information: EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT. SHEET INDEX - 1 VOLUME 1 (1 OF 4). Includes drawing no. GN005 and revision C.

DRAWING INDEX VOLUME 1

Table with columns: SHT NO, DWG NO, REV, TITLE. Sections include UTILITIES, TRACK, and ELECTRICAL.

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Table with columns: NO., DATE, REVISIONS. Includes rows for 95%, 65%, and 35% submittal sets.



Submitted by BkF100+ Engineers / Surveyors / Planners. Includes designer C. Chi and checker M. Cosentino.

Santa Clara Valley Transportation Authority logo.

Approved by BkF100+ Engineers / Surveyors / Planners. Includes CADD file date 03/06/20 and submittal date 06/29/20.

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITAL EXPRESSWAY LIGHT RAIL PROJECT GENERAL SHEET INDEX - 3 VOLUME 1 (3 OF 4). Includes sheet number GN007 and revision C.

DRAWING INDEX VOLUME 1

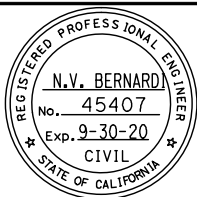
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507	LP014	C	LANDSCAPE – PLANTING PLAN – STA 1027+00 TO STA 1032+00
508	LP015	C	LANDSCAPE – PLANTING PLAN – STA 1032+00 TO STA 1035+50
509	LP016	C	LANDSCAPE – PLANTING PLAN – STA 1035+50 TO STA 1039+50
510	LP017	C	LANDSCAPE – PLANTING PLAN – STA 1039+50 TO STA 1044+00
511	LP018	C	LANDSCAPE – PLANTING PLAN – STA 1044+00 TO STA 1048+00
512	LP019	C	LANDSCAPE – PLANTING PLAN – STA 1048+00 TO STA 1053+00
513	LP020	C	LANDSCAPE – PLANTING PLAN – STA 1053+00 TO STA 1058+00
514	LP021	C	LANDSCAPE – PLANTING PLAN – STA 1058+00 TO STA 1063+00
515	LP022	C	LANDSCAPE – PLANTING PLAN – STA 1063+00 TO STA 1068+00
516	LP023	C	LANDSCAPE – PLANTING PLAN – STA 1068+00 TO STA 1071+00
517	LP024	C	LANDSCAPE – PLANTING PLAN – STA 1071+00 TO STA 1075+50
518	LP025	C	LANDSCAPE – PLANTING PLAN – STA 1075+50 TO STA 1080+50
519	LP026	C	LANDSCAPE – PLANTING PLAN – STA 1080+50 TO STA 1085+00
520	LP126	C	LANDSCAPE – PLANTING PLAN – EASTRIDGE LOOP
521	LP226	A	LANDSCAPE – PLANTING PLAN – EASTRIDGE LOOP – 02
522	LP027	C	LANDSCAPE – PLANTING PLAN – STA 1085+00 TO STA 1090+00
523	LP127	C	LANDSCAPE – PLANTING PLAN – EASTRIDGE LOOP – 03
524	LP028	C	LANDSCAPE – PLANTING PLAN – STA 1090+00 TO STA 1094+50
525	LP029	C	LANDSCAPE – PLANTING PLAN – STA 1094+50 TO STA 1095+10
526	LI001	C	LANDSCAPE – IRRIGATION PLAN – STA 964+80 TO STA 967+00
527	LI002	C	LANDSCAPE – IRRIGATION PLAN – STA 967+00 TO STA 972+00
528	LI003	C	LANDSCAPE – IRRIGATION PLAN – STA 972+00 TO STA 977+00
529	LI004	C	LANDSCAPE – IRRIGATION PLAN – STA 977+00 TO STA 982+00
530	LI005	C	LANDSCAPE – IRRIGATION PLAN – STA 982+00 TO STA 987+00
531	LI006	C	LANDSCAPE – IRRIGATION PLAN – STA 987+00 TO STA 992+00
532	LI007	C	LANDSCAPE – IRRIGATION PLAN – STA 992+00 TO STA 997+00
533	LI008	C	LANDSCAPE – IRRIGATION PLAN – STA 997+00 TO STA 1002+00
534	LI009	C	LANDSCAPE – IRRIGATION PLAN – STA 1002+00 TO STA 1007+00
535	LI010	C	LANDSCAPE – IRRIGATION PLAN – STA 1007+00 TO STA 1012+00
536	LI011	C	LANDSCAPE – IRRIGATION PLAN – STA 1012+00 TO STA 1017+00
537	LI012	C	LANDSCAPE – IRRIGATION PLAN – STA 1017+00 TO STA 1022+00
538	LI013	C	LANDSCAPE – IRRIGATION PLAN – STA 1022+00 TO STA 1027+00
539	LI014	C	LANDSCAPE – IRRIGATION PLAN – STA 1027+00 TO STA 1032+00
540	LI015	C	LANDSCAPE – IRRIGATION PLAN – STA 1032+00 TO STA 1035+50
541	LI016	C	LANDSCAPE – IRRIGATION PLAN – STA 1035+50 TO STA 1039+50
542	LI017	C	LANDSCAPE – IRRIGATION PLAN – STA 1039+50 TO STA 1044+00
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544	LI019	C	LANDSCAPE – IRRIGATION PLAN – STA 1048+00 TO STA 1053+00
545	LI020	C	LANDSCAPE – IRRIGATION PLAN – STA 1053+00 TO STA 1058+00
546	LI021	C	LANDSCAPE – IRRIGATION PLAN – STA 1058+00 TO STA 1063+00
547	LI022	C	LANDSCAPE – IRRIGATION PLAN – STA 1063+00 TO STA 1068+00
548	LI023	C	LANDSCAPE – IRRIGATION PLAN – STA 1068+00 TO STA 1071+00
549	LI024	C	LANDSCAPE – IRRIGATION PLAN – STA 1071+00 TO STA 1075+50
550	LI025	C	LANDSCAPE – IRRIGATION PLAN – STA 1075+50 TO STA 1080+50
551	LI026	C	LANDSCAPE – IRRIGATION PLAN – STA 1080+50 TO STA 1085+00
552	LI126	C	LANDSCAPE – IRRIGATION PLAN – EASTRIDGE LOOP
553	LI226	A	LANDSCAPE – IRRIGATION PLAN – EASTRIDGE LOOP – 02
554	LI027	C	LANDSCAPE – IRRIGATION PLAN – STA 1085+00 TO STA 1090+00
555	LI127	C	LANDSCAPE – IRRIGATION PLAN – EASTRIDGE LOOP – 03
556	LI028	C	LANDSCAPE – IRRIGATION PLAN – STA 1090+00 TO STA 1094+50
557	LI029	C	LANDSCAPE – IRRIGATION PLAN – STA 1094+50 TO STA 1095+10
558	LD001	C	LANDSCAPE – DETAILS
559	LD002	C	LANDSCAPE – DETAILS
560	LD003	A	LANDSCAPE – DETAILS

SHT NO	DWG NO	REV	TITLE
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SHT NO	DWG NO	REV	TITLE
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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED	
 ENGINEERS / SURVEYORS / PLANNERS	
DESIGNED C. Chi	CHECKED M. Cosentino
DRAWN A. Hernandez	CADD FILE NAME 801GN008.dwg



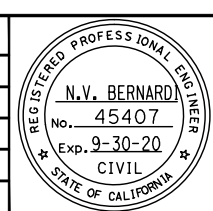
APPROVED	
 ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 03/06/20	SCALE NTS
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT GENERAL SHEET INDEX - 4 VOLUME 1 (4 OF 4)			SHEET OF GN008
PCA NO. 000			REVISION B
CONTRACT NO. C801		FILE LOCATION PROJECTWISE	

DRAWING INDEX VOLUME 2

SHT NO	DWG NO	REV	TITLE	SHT NO	DWG NO	REV	TITLE	SHT NO	DWG NO	REV	TITLE
GENERAL											
1	GN001	C	GENERAL - TITLE	53	SP345	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 4	111	SU327	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 27
2	GN002	C	GENERAL - KEYMAP - 40 - SCALE	54	SP346	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 5	112	SU328	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 28
3	GN003	C	GENERAL - KEYMAP - 20 - SCALE	55	SP347	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 6	113	SU329	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 29
4	GN004	C	GENERAL - DESIGN DRAWING VOLUMES - LAYOUT AND ORGANIZATION	56	SP348	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 7	114	SU330	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 30
5	GN009	B	GENERAL - SHEET INDEX - 5 - VOLUME 2 (1 OF 3)	57	SP349	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 8	115	SU331	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 31
6	GN010	B	GENERAL - SHEET INDEX - 6 - VOLUME 2 (2 OF 3)	58	SP350	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 9	116	SU332	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 32
7	GN011	B	GENERAL - SHEET INDEX - 7 - VOLUME 2 (3 OF 3)	59	SP351	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 10	117	SU333	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 33
				60	SP352	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 11	118	SU334	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 34
				61	SP353	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 12	119	SU335	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 35
				62	SP354	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 13				
				63	SP355	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 14	120	SC301	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ABUTMENT 1 LAYOUT
				64	SP356	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 15				
				65	SP357	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 16	121	SC302	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ABUTMENT 76 LAYOUT
				66	SP358	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 17				
				67	SP359	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 18	122	SC303	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ABUTMENT DETAILS No. 1
				68	SP360	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 19	123	SC304	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ABUTMENT DETAILS No. 2
				69	SP361	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 20	124	SC305	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - ABUTMENT DETAILS No. 3
				70	SP362	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 21				
				71	SP363	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 22	125	SC306	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 1
				72	SP364	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 23	126	SC307	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 2
				73	SP365	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 24	127	SC308	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 3
				74	SP366	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 25	128	SC309	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 4
				75	SP367	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 26	129	SC310	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 5
				76	SP368	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 27	130	SC311	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 6
				77	SP369	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 28	131	SC312	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 7
				78	SP370	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 29	132	SC313	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 8
				79	SP371	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 30	133	SC314	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 9
				80	SP372	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 31	134	SC315	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 10
				81	SP373	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 32	135	SC316	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 11
				82	SP374	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 33	136	SC317	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 12
				83	SP375	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 34	137	SC318	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 13
				84	SP376	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - DECK CONTOURS - FRAME 35	138	SC319	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 14
								139	SC320	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 15
				85	SU301	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 1	140	SC321	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 16
				86	SU302	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 2	141	SC322	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 17
				87	SU303	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 3	142	SC323	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 18
				88	SU304	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 4	143	SC324	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 19
				89	SU305	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 5	144	SC325	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 20
				90	SU306	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 6	145	SC326	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 21
				91	SU307	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 7	146	SC327	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 22
				92	SU308	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 8	147	SC328	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 23
				93	SU309	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 9	148	SC329	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 24
				94	SU310	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 10	149	SC330	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 25
				95	SU311	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 11	150	SC331	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT DETAILS No. 26
				96	SU312	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 12				
				97	SU313	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 13	151	SC332	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOOTING DETAILS No. 1
				98	SU314	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 14	152	SC333	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOOTING DETAILS No. 2
				99	SU315	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 15	153	SC334	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOOTING DETAILS No. 3
				100	SU316	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 16	154	SC335	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOOTING DETAILS No. 4
				101	SU317	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 17	155	SC336	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOOTING DETAILS No. 5
				102	SU318	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 18	156	SC337	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOOTING DETAILS No. 6
				103	SU319	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 19				
				104	SU320	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 20	157	SC338	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - COLUMN DETAILS No. 1
				105	SU321	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 21	158	SC339	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - COLUMN DETAILS No. 2
				106	SU322	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 22	159	SC340	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - COLUMN DETAILS No. 3
				107	SU323	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 23				
				108	SU324	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 24	160	SC341	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - BENT CAP 74 & 75 REINF PLAN
				109	SU325	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 25				
				110	SU326	C	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - FOUNDATION PLAN - FRAME 26				

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS
 DESIGNED: C. Chi
 CHECKED: M. Cosentino
 DRAWN: A. Hernandez
 CADD FILE NAME: 801GN009.dwg



BKF 100+ YEARS
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 CADD FILE DATE: 03/06/20
 SCALE: NTS
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GENERAL SHEET INDEX - 5
VOLUME 2 (1 OF 3)
 SHEET OF: GN009
 REVISION: B
 PCA NO.: 000
 CONTRACT NO.: C801
 FILE LOCATION: PROJECTWISE

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DRAWING INDEX VOLUME 2

SHT NO	DWG NO	REV	TITLE
323	SD323	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - METAL RAILING DETAILS
324	SD324	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - SOUND BARRIER DETAILS
325	SD325	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - APPROACH SLAB DETAILS No. 1
326	SD326	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - APPROACH SLAB DETAILS No. 2
327	SD327	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - MISCELLANEOUS POST DETAILS
328	SD328	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - MISCELLANEOUS DETAILS No. 1
329	SD329	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - MISCELLANEOUS DETAILS No. 2
330	SD330	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - MISCELLANEOUS DETAILS No. 3
331	SD331	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - MISCELLANEOUS DETAILS No. 4
332	SD332	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - MISCELLANEOUS DETAILS No. 5
333	SD333	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - MISCELLANEOUS DETAILS No. 6
334	SD334	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - MISCELLANEOUS DETAILS No. 7
335	SD335	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - AESTHETIC DETAILS No. 1
336	SD336	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - AESTHETIC DETAILS No. 2
337	SD337	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - AESTHETIC DETAILS No. 3
338	SD338	B	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - AESTHETIC DETAILS No. 4
339	SD339	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - AESTHETIC DETAILS No. 5
340	SD340	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - AESTHETIC DETAILS No. 6
341	SD341	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - AESTHETIC DETAILS No. 7
342	SD342	A	STRUCTURAL - CAPITOL AERIAL GUIDEWAY - TRAFFIC SIGNAL SUPPORT DETAILS

APPROACH WALLS

343	SP380	C	STRUCTURAL - NORTH APPROACH WALLS - GENERAL NOTES
344	SP381	C	STRUCTURAL - NORTH APPROACH WALLS - RETAINING WALL PLAN No. 1
345	SP382	C	STRUCTURAL - NORTH APPROACH WALLS - RETAINING WALL PLAN No. 2
346	SD381	C	STRUCTURAL - NORTH APPROACH WALLS - RETAINING WALL DETAILS No. 1
347	SD382	C	STRUCTURAL - NORTH APPROACH WALLS - RETAINING WALL DETAILS No. 2
348	SD383	C	STRUCTURAL - NORTH APPROACH WALLS - RETAINING WALL DETAILS No. 3
349	SD384	C	STRUCTURAL - NORTH APPROACH WALLS - RETAINING WALL DETAILS No. 4
350	SD385	C	STRUCTURAL - NORTH APPROACH WALLS - RETAINING WALL DETAILS No. 5
351	SD386	C	STRUCTURAL - NORTH APPROACH WALLS - RETAINING WALL DETAILS No. 6
352	SD387	C	STRUCTURAL - NORTH APPROACH WALLS - MECHANICAL STABILIZED EMBANKMENT DETAILS No. 1
353	SD388	C	STRUCTURAL - NORTH APPROACH WALLS - MECHANICAL STABILIZED EMBANKMENT DETAILS No. 2
354	SD389	C	STRUCTURAL - NORTH APPROACH WALLS - IDS POLE DETAILS
355	SP391	C	STRUCTURAL - SOUTH APPROACH WALLS - RETAINING WALL PLAN No. 1
356	SP392	C	STRUCTURAL - SOUTH APPROACH WALLS - RETAINING WALL PLAN No. 2
357	SP393	C	STRUCTURAL - SOUTH APPROACH WALLS - RETAINING WALL PLAN No. 3
358	SP394	C	STRUCTURAL - SOUTH APPROACH WALLS - RETAINING WALL PLAN No. 4
359	SP395	C	STRUCTURAL - SOUTH APPROACH WALLS - RETAINING WALL PLAN No. 5
360	SP396	C	STRUCTURAL - SOUTH APPROACH WALLS - RETAINING WALL PLAN No. 6
361	SD391	C	STRUCTURAL - SOUTH APPROACH WALLS - RETAINING WALL DETAILS No. 1
362	SD392	C	STRUCTURAL - SOUTH APPROACH WALLS - RETAINING WALL DETAILS No. 2
363	SD393	C	STRUCTURAL - SOUTH APPROACH WALLS - RETAINING WALL DETAILS No. 3
364	SD394	C	STRUCTURAL - SOUTH APPROACH WALLS - RETAINING WALL DETAILS No. 4
365	SD395	C	STRUCTURAL - SOUTH APPROACH WALLS - RETAINING WALL DETAILS No. 5
366	SD401	B	CAPITOL - STORY AERIAL GUIDEWAY - NORTH APPROACH WALLS - MSE WALL WEST FACE 1
367	SD402	B	CAPITOL - STORY AERIAL GUIDEWAY - NORTH APPROACH WALLS - MSE WALL WEST FACE 2
368	SD403	B	CAPITOL - STORY AERIAL GUIDEWAY - NORTH APPROACH WALLS - MSE WALL EAST FACE 1
369	SD404	B	CAPITOL - STORY AERIAL GUIDEWAY - NORTH APPROACH WALLS - MSE WALL EAST FACE 2
370	SD405	B	CAPITOL - STORY AERIAL GUIDEWAY - SOUTH APPROACH WALLS - CIP WALL WEST FACE 1

SHT NO	DWG NO	REV	TITLE
371	SD406	B	CAPITOL - STORY AERIAL GUIDEWAY - SOUTH APPROACH WALLS - CIP WALL WEST FACE 2
372	SD407	B	CAPITOL - STORY AERIAL GUIDEWAY - SOUTH APPROACH WALLS - CIP WALL EAST FACE 1
373	SD408	B	CAPITOL - STORY AERIAL GUIDEWAY - SOUTH APPROACH WALLS - CIP WALL EAST FACE 2
374	SD409	B	CAPITOL - STORY AERIAL GUIDEWAY - SOUTH APPROACH WALLS - FORMLINER DETAILS

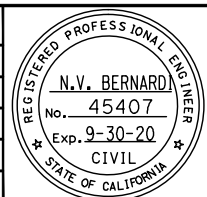
GEOTECHNICAL

375	HP301	B	GEOTECHNICAL - SITE PLAN - STA 964+80 TO STA 1014+00
376	HP302	B	GEOTECHNICAL - SITE PLAN - STA 1014+00 TO STA 1064+10
377	HP303	B	GEOTECHNICAL - SITE PLAN - STA 1064+10 TO STA 1095+05
378	HP304	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 971+00 TO STA 976+60
379	HP305	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 975+00 TO STA 980+60
380	HP306	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 978+25 TO STA 984+00
381	HP307	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 981+35 TO STA 987+00
382	HP308	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 984+80 TO STA 990+45
383	HP309	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 988+00 TO STA 993+65
384	HP310	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 993+00 TO STA 998+70
385	HP311	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 993+00 TO STA 998+70
386	HP312	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 999+50 TO STA 1005+20
387	HP313	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1001+00 TO STA 1006+65
388	HP314	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1007+00 TO STA 1012+65
389	HP315	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1012+00 TO STA 1017+65
390	HP316	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1018+00 TO STA 1023+65
391	HP317	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1024+00 TO STA 1029+65
392	HP318	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1030+00 TO STA 1035+65
393	HP319	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1035+00 TO STA 1040+65
394	HP320	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1042+00 TO STA 1047+65
395	HP321	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1047+00 TO STA 1052+65
396	HP322	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1054+00 TO STA 1059+65
397	HP323	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1059+00 TO STA 1064+65
398	HP324	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1064+00 TO STA 1069+65
399	HP325	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1066+80 TO STA 1072+50
400	HP326	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1069+00 TO STA 1074+65
401	HP327	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1073+35 TO STA 1079+00
402	HP328	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1076+00 TO STA 1081+65
403	HP329	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1079+00 TO STA 1084+65
404	HP330	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1082+30 TO STA 1095+05
405	HP331	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 101+50 TO STA 107+15
406	HP332	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1012+50 TO STA 1025+85
407	HP333	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1053+15 TO STA 1058+80
408	HP334	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1038+40 TO STA 1044+30
409	HP335	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 975+35 TO STA 981+00
410	HP336	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1029+65 TO STA 1035+30
411	HP337	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1005+00 TO STA 1019+50
412	HP338	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1047+00 TO STA 1052+65
413	HP339	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1059+60 TO STA 1065+20
414	HP340	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 977+30 TO STA 1084+40
415	HP341	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1082+40 TO STA 1088+05
416	HP342	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1082+50 TO STA 1088+15
417	HP343	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1085+75 TO STA 1091+40
418	HP344	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1085+75 TO STA 1091+40
419	HP345	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1085+75 TO STA 1091+40
420	HP346	B	GEOTECHNICAL - LOG OF TEST BORINGS - STA 1091+60 TO STA 1095+05

SHT NO	DWG NO	REV	TITLE
CORROSION CONTROL			
421	CC001	A	CORROSION CONTROL - GENERAL NOTES
422	CC101	A	CORROSION CONTROL - AERIAL GUIDEWAY HINGE BOND
423	CC102	A	CORROSION CONTROL - AERIAL GUIDEWAY CORROSION - MONITORING AT BENTS
424	CC103	A	CORROSION CONTROL - AERIAL GUIDEWAY CORROSION - MONITORING AT BENTS
425	CC104	A	CORROSION CONTROL - AERIAL GUIDEWAY CORROSION - MONITORING AT BENTS
426	CC105	A	CORROSION CONTROL - AERIAL GUIDEWAY CORROSION - MONITORING AT ABUTS
427	CC201	A	CORROSION CONTROL - DETAILS

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



BKF100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: C. Chi
CHECKED: M. Cosentino
DRAWN: A. Hernandez
CADD FILE NAME: 801GN011.dwg



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YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 03/06/20
SCALE: NTS
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GENERAL
SHEET INDEX - 7
VOLUME 2 (3 OF 3)

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

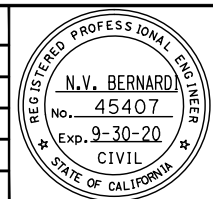
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B

DRAWING INDEX VOLUME 3

SHT NO	DWG NO	REV	TITLE	SHT NO	DWG NO	REV	TITLE	SHT NO	DWG NO	REV	TITLE
GENERAL											
1	GN001	C	GENERAL - TITLE	57	AP588	A	ARCHITECTURAL - STORY STATION - ELEVATOR #1 - ELEVATIONS	112	MM502	C	MECHANICAL - STORY STATION - GROUND FLOOR - SHEET 2 OF 2
2	GN002	C	GENERAL - KEYMAP - 40 - SCALE	58	AP590	A	ARCHITECTURAL - STORY STATION - ACCESS STRUCTURES - ELEVATOR HOISTWAY DETAILS	113	MM510	C	MECHANICAL - STORY STATION - AERIAL CENTER PLATFORM - KEY PLAN-PLATFORM LEVEL
3	GN003	C	GENERAL - KEYMAP - 20 - SCALE	59	AP591	A	ARCHITECTURAL - STORY STATION - ACCESS STRUCTURES - ELEVATOR MISC DETAILS	114	MM511	C	MECHANICAL - STORY STATION - AERIAL CENTER PLATFORM - PLATFORM PLAN 1
4	GN004	C	GENERAL - DESIGN DRAWING VOLUMES - LAYOUT AND ORGANIZATION	60	AP610	C	ARCHITECTURAL - STORY STATION - PEDESTRIAN OVERCROSSING - PLAN	115	MM512	C	MECHANICAL - STORY STATION - AERIAL CENTER PLATFORM - ROOF
5	GN012	B	GENERAL - SHEET INDEX - 8 - VOLUME 3 (1 OF 2)	61	AP611	B	ARCHITECTURAL - STORY STATION - PEDESTRIAN OVERCROSSING - SOUTH ELEVATION	116	MM800	B	MECHANICAL - EASTRIDGE STATION - PLATFORM KEY PLAN
6	GN013	B	GENERAL - SHEET INDEX - 9 - VOLUME 3 (2 OF 2)	62	AP612	A	ARCHITECTURAL - STORY STATION - PEDESTRIAN OVERCROSSING - NORTH ELEVATION	117	MM801	B	MECHANICAL - EASTRIDGE STATION - PLATFORM PLAN
				63	AP621	C	ARCHITECTURAL - STORY STATION - WEST PEDESTRIAN OVERCROSSING - PARTIAL SOUTH ELEVATION 1	118	MM802	B	MECHANICAL - EASTRIDGE STATION - ROOF PLAN
				64	AP622	B	ARCHITECTURAL - STORY STATION - WEST PEDESTRIAN OVERCROSSING - PARTIAL SOUTH ELEVATION 2	119	MM911	B	MECHANICAL PIPING DIAGRAMS
				65	AP624	A	ARCHITECTURAL - STORY STATION - WEST PEDESTRIAN OVERCROSSING - PARTIAL NORTH ELEVATION 1	120	MM921	C	MECHANICAL SYSTEM - CONTROL DIAGRAMS
				66	AP625	A	ARCHITECTURAL - STORY STATION - WEST PEDESTRIAN OVERCROSSING - PARTIAL NORTH ELEVATION 2	121	MM922	C	MECHANICAL SYSTEM - SEQUENCE OF OPERATIONS AND DIRECT - DIGITAL CONTROL POINT LIST SCHEDULE
				67	AP630	A	ARCHITECTURAL - STORY STATION - FENCE SCREEN ELEVATION DETAILS	122	MM931	C	MECHANICAL DETAILS - SHEET 1 OF 4
				68	AP631	A	ARCHITECTURAL - STORY STATION - FENCE SCREEN ELEVATION DETAILS	123	MM932	C	MECHANICAL DETAILS - SHEET 2 OF 4
				69	AP640	A	ARCHITECTURAL - STORY STATION - PEDESTRIAN OVERCROSSING - FENCE SCREEN DETAILS	124	MM933	C	MECHANICAL DETAILS - SHEET 3 OF 4
				70	AP641	A	ARCHITECTURAL - STORY STATION - PEDESTRIAN OVERCROSSING - GUARDRAIL DETAILS	125	MM934	C	MECHANICAL DETAILS - SHEET 4 OF 4
				71	AP800	C	ARCHITECTURAL - EASTRIDGE STATION - PLATFORM KEY PLAN				
				72	AP801	C	ARCHITECTURAL - EASTRIDGE STATION - PARTIAL PLATFORM PLAN 1	ELECTRICAL			
				73	AP802	C	ARCHITECTURAL - EASTRIDGE STATION - PARTIAL PLATFORM PLAN 2	126	EP400	A	ELECTRICAL GENERAL
				74	AP803	C	ARCHITECTURAL - EASTRIDGE STATION - PARTIAL PLATFORM PLAN 3	127	EP401	B	STORY STATION - ELECTRICAL SITE PLAN
				75	AP804	C	ARCHITECTURAL - EASTRIDGE STATION - PLATFORM SECTIONS	128	EP402	B	STORY STATION - PLATFORM ELECTRICAL PLAN 1
				76	AP805	C	ARCHITECTURAL - EASTRIDGE STATION - ELEVATIONS	129	EP403	B	STORY STATION - PLATFORM ELECTRICAL PLAN 2
				77	AP810	B	ARCHITECTURAL - EASTRIDGE STATION - PLATFORM NORTH ENTRY - ENLARGED PLAN	130	EP404	B	STORY STATION - PLATFORM ELECTRICAL PLAN 3
				78	AP812	B	ARCHITECTURAL - EASTRIDGE STATION - PLATFORM SOUTH ENTRY - ENLARGED PLAN	131	EP405	B	STORY STATION - PEDESTRIAN OVERCROSSING - ELECTRICAL PLAN
				79	AP830	A	ARCHITECTURAL - EASTRIDGE STATION - RAMP SECTIONS	132	EP406	B	STORY STATION - ELEVATOR #1 AREA - ELECTRICAL PLAN
				80	AP831	A	ARCHITECTURAL - EASTRIDGE STATION - STAIRS AND RAMP ELEVATIONS	133	EP407	B	STORY STATION - ELEVATOR #2 AREA - ELECTRICAL PLAN
				81	AP900	C	ARCHITECTURAL - EASTRIDGE STATION - #34 TPSS SCREEN - PLAN & SECTION	134	EP408	B	STORY STATION - ELEVATOR #3 AREA - ELECTRICAL PLAN - SHEET 1
				82	AP901	C	ARCHITECTURAL - EASTRIDGE STATION - #34 TPSS SCREEN - ELEVATIONS	135	EP409	B	STORY STATION - ELEVATOR #3 AREA - ELECTRICAL PLAN - SHEET 2
				83	AP910	C	ARCHITECTURAL - Ocala STATION - #33 TPSS SCREEN - PLAN	136	EP410	A	STORY STATION - SIGNAL COMM HOUSE
				84	AP912	C	ARCHITECTURAL - Ocala STATION - #33 TPSS SCREEN - ELEVATIONS	137	EP411	A	STORY STATION - ELECTRICAL DETAILS
				85	AP915	A	ARCHITECTURAL - TYPICAL TPSS - GATE DETAILS	138	EP501	B	EASTRIDGE STATION - PLATFORM ELECTRICAL PLAN 1
				86	AT104	C	ARCHITECTURAL - SHELTER CANOPY - FLOOR PLAN & ROOF PLAN	139	EP502	B	EASTRIDGE STATION - PLATFORM ELECTRICAL PLAN 2
				87	AT105	C	ARCHITECTURAL - TYPICAL SHELTER - ELEVATIONS	140	EP503	B	EASTRIDGE STATION - PLATFORM ELECTRICAL PLAN 3
				88	AT106	C	ARCHITECTURAL - SHELTER CANOPY - REFLECTED CEILING PLAN & SECTIONS	141	EP504	B	EASTRIDGE STATION - ELECTRICAL BUILDING
				89	AT111	C	ARCHITECTURAL - TVM SHELTER CANOPY - PLANS, SECTIONS & ELEVATIONS	142	EP601	B	LIGHTING DETAILS
				90	AT142	A	ARCHITECTURAL - SHELTER CANOPY - DETAILS	143	EP602	A	LIGHTING DETAILS
				91	AT200	B	ARCHITECTURAL - STORY STATION - SIGNALS/COMM HOUSE - FLOOR PLAN & ROOF PLAN	144	EP603	B	SHELTER LIGHTING DETAILS
				92	AT201	A	ARCHITECTURAL - STORY STATION - SIGNALS/COMM HOUSE - SECTIONS	145	EP604	A	HANDRAIL LIGHTING DETAILS
				93	AT202	A	ARCHITECTURAL - STORY STATION - SIGNALS/COMM HOUSE - EXTERIOR ELEVATIONS	146	EP605	A	LIGHTING CONTROLS
				94	AT203	A	ARCHITECTURAL - STORY STATION - SIGNALS/COMM HOUSE - EXTERIOR DETAILS	147	EP606	B	LIGHT FIXTURE SCHEDULE - (SHEET 1 OF 2)
				95	AT205	A	ARCHITECTURAL - EASTRIDGE STATION - SIGNALS/COMM HOUSE - FLOOR PLAN & ROOF PLAN	148	EP607	B	LIGHT FIXTURE SCHEDULE - (SHEET 2 OF 2)
				96	AT206	A	ARCHITECTURAL - EASTRIDGE STATION - SIGNALS/COMM HOUSE - SECTIONS	149	EP701	B	STORY STATION - SINGLE LINE DIAGRAM
				97	AT207	A	ARCHITECTURAL - EASTRIDGE STATION - SIGNALS/COMM HOUSE - EXTERIOR ELEVATIONS	150	EP702	B	EASTRIDGE STATION - SINGLE LINE DIAGRAM
				98	AT301	A	ARCHITECTURAL - TYPICAL DETAILS	151	EP703	B	STORY STATION - FIRE ALARM SYSTEM - SHEET 1 OF 3
				99	AT302	A	ARCHITECTURAL - TYPICAL DETAILS	152	EP704	B	STORY STATION - FIRE ALARM SYSTEM - SHEET 2 OF 3
				100	AT330	A	ARCHITECTURAL - WINDSCREEN & BENCH - DETAILS	153	EP705	B	STORY STATION - FIRE ALARM SYSTEM - SHEET 3 OF 3
				101	AT331	A	ARCHITECTURAL - WINDSCREEN & BENCH - DETAILS	154	EP706	A	STORY STATION - PANEL SCHEDULES - (SHEET 1 OF 3)
				102	AT332	A	ARCHITECTURAL - GRAPHIC DISPLAY KIOSK - DETAILS	155	EP707	A	STORY STATION - PANEL SCHEDULES - (SHEET 2 OF 3)
				103	AT333	A	ARCHITECTURAL - AMENITIES - DETAILS	156	EP708	A	STORY STATION - PANEL SCHEDULES - (SHEET 3 OF 3)
				104	AT334	A	ARCHITECTURAL - ORNAMENT FENCE - DETAILS	157	EP709	A	ELECTRICAL DETAILS
				105	AT335	A	ARCHITECTURAL - DECORATIVE PICKET FENCE - DETAILS				
								PLUMBING			
								158	MP001	C	PLUMBING - GENERAL NOTES, LEGEND - AND ABBREVIATIONS
								159	MP002	C	PLUMBING - EQUIPMENT SCHEDULES
								160	MP500	C	PLUMBING - STORY STATION - GROUND FLOOR KEY PLAN
								161	MP501	C	PLUMBING - STORY STATION - GROUND FLOOR - SHEET 1 OF 3
								162	MP502	C	PLUMBING - STORY STATION - GROUND FLOOR - SHEET 2 OF 3
								163	MP503	C	PLUMBING - STORY STATION - GROUND FLOOR - SHEET 3 OF 3
								164	MP510	C	PLUMBING - STORY STATION - AERIAL CENTER PLATFORM - KEY PLAN-PLATFORM LEVEL
								165	MP511	C	PLUMBING - STORY STATION - AERIAL CENTER PLATFORM - PLATFORM PLAN 1

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BKF100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS
 DESIGNED: C. Chi
 CHECKED: M. Cosentino
 DRAWN: A. Hernandez
 CADD FILE NAME: 801GN012.dwg

Santa Clara Valley
Transportation Authority

APPROVED
BKF100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 03/06/19
 SCALE: NTS
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 GENERAL
 SHEET INDEX - 8
 VOLUME 3 (1 OF 2)

SHEET OF: GN012
 REVISION: B

PCA NO.: 000
 CONTRACT NO.: C801
 FILE LOCATION: PROJECTWISE

DRAWING INDEX VOLUME 3

SHT NO	DWG NO	REV	TITLE
166	MP512	C	PLUMBING – STORY STATION – AERIAL CENTER PLATFORM – PLATFORM PLAN 2
167	MP513	C	PLUMBING – STORY STATION – AERIAL CENTER PLATFORM – PLATFORM PLAN 3
168	MP514	C	PLUMBING – STORY STATION – PEDESTRIAN OVERCROSSING – PLAN
169	MP515	A	PLUMBING – STORY STATION – PEDESTRIAN OVERCROSSING – PLAN – SD
170	MP800	B	PLUMBING – EASTRIDGE STATION – PLATFORM KEY PLAN
171	MP801	B	PLUMBING – EASTRIDGE STATION – PLATFORM PLAN – SHEET 1 OF 3
172	MP802	B	PLUMBING – EASTRIDGE STATION – PLATFORM PLAN – SHEET 2 OF 3
173	MP803	B	PLUMBING – EASTRIDGE STATION – PLATFORM PLAN – SHEET 3 OF 3
174	MP901	C	PLUMBING – STORY & EASTRIDGE STATIONS – ENLARGED FLOOR PLANS – SHEET 1 OF 2
175	MP902	C	PLUMBING – STORY & EASTRIDGE STATIONS – ENLARGED FLOOR PLANS – SHEET 2 OF 2
176	MP911	C	PLUMBING – PIPING DIAGRAMS – SHEET 1 OF 2
177	MP912	C	PLUMBING – PIPING DIAGRAMS – SHEET 2 OF 2
178	MP931	C	PLUMBING – TYPICAL DETAILS – SHEET 1 OF 4
179	MP932	C	PLUMBING – TYPICAL DETAILS – SHEET 2 OF 4
180	MP933	C	PLUMBING – TYPICAL DETAILS – SHEET 3 OF 4
181	MP934	C	PLUMBING – TYPICAL DETAILS – SHEET 4 OF 4

FIRE PROTECTION

182	MFO01	B	FIRE PROTECTION – GENERAL NOTES, LEGEND, – ABBREVIATIONS AND SCHEDULES
183	MF500	B	FIRE PROTECTION – STORY STATION – GROUND FLOOR KEY PLAN
184	MF501	B	FIRE PROTECTION – STORY STATION – GROUND FLOOR
185	MF510	B	FIRE PROTECTION – STORY STATION – PLATFORM LEVEL – KEY PLAN
186	MF511	B	FIRE PROTECTION – STORY STATION – PLATFORM LEVEL – SHEET 1 OF 2
187	MF512	B	FIRE PROTECTION – STORY STATION – PLATFORM LEVEL – SHEET 2 OF 2
188	MF800	B	FIRE PROTECTION – EASTRIDGE STATION – KEY PLAN
189	MF801	B	FIRE PROTECTION – EASTRIDGE STATION – PLATFORM PLAN 1 – SHEET 1 OF 3
190	MF802	B	FIRE PROTECTION – EASTRIDGE STATION – PLATFORM PLAN 2 – SHEET 2 OF 3
191	MF803	B	FIRE PROTECTION – EASTRIDGE STATION – PLATFORM PLAN 3 – SHEET 3 OF 3
192	MF911	B	FIRE PROTECTION – PIPING DIAGRAMS
193	MF921	B	FIRE PROTECTION – TYPICAL DETAILS – SHEET 1 OF 2
194	MF922	B	FIRE PROTECTION – TYPICAL DETAILS – SHEET 2 OF 2

STRUCTURES

195	SP501	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – ACCESS STRUCTURES GENERAL PLAN
196	SP502	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – EAST ACCESS STRUCTURE FRAMING PLAN
197	SU501	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – EAST ACCESS STRUCTURE FOUNDATION PLAN
198	SP503	B	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – WEST ACCESS STRUCTURE FRAMING PLAN
199	SU502	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – WEST ACCESS STRUCTURE FOUNDATION PLAN
200	SP504	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – SOUTH MEDIAN ACCESS STRUCTURE FRAMING PLAN
201	SU503	B	STRUCTURAL – SOUTH MEDIAN ACCESS STRUCTURE – FOUNDATION PLAN
202	SP505	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURE – NORTH MEDIAN ACCESS STRUCTURE FRAMING PLAN
203	SU504	C	STRUCTURAL – NORTH MEDIAN ACCESS STRUCTURE – FOUNDATION PLAN
204	SD501	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – ACCESS STRUCTURES PILE DETAILS
205	SP510	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – WEST ACCESS STRUCTURES ELEVATORS ELEVATIONS
206	SP511	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – WEST ACCESS STRUCTURES ELEVATORS ENLARGED PLANS
207	SP512	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – EAST ACCESS STRUCTURES ELEVATORS ENLARGED PLANS
208	SP513	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – EAST ACCESS STRUCTURES ELEVATOR ENLARGED PLANS
209	SD511	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – EAST & WEST ACCESS STRUCTURES ELEVATORS DETAILS No. 1
210	SD512	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – EAST & WEST ACCESS STRUCTURES ELEVATORS DETAILS No. 2
211	SD513	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – EAST & WEST ACCESS STRUCTURES ELEVATORS DETAILS No. 3
212	SD519	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – EAST, WEST & SOUTH ACCESS STRUCTURES FOUNDATION DETAILS
213	SD520	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – EAST & WEST ACCESS STRUCTURES STAIRS DETAILS No. 1
214	SD521	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – EAST & WEST ACCESS STRUCTURES STAIRS DETAILS No. 2
215	SP531	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – SOUTH MEDIAN ACCESS STRUCTURE ELEVATOR ELEVATIONS
216	SP532	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – SOUTH MEDIAN ACCESS STRUCTURE ELEVATOR ENLARGED PLANS
217	SD531	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – SOUTH MEDIAN ACCESS STRUCTURES ELEVATORS DETAILS No. 1
218	SD532	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – EAST & WEST ACCESS STRUCTURES ELEVATORS DETAILS No. 2
219	SD533	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – EAST & WEST ACCESS STRUCTURES ELEVATORS DETAILS No. 2

SHT NO	DWG NO	REV	TITLE
220	SD535	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – SOUTH MEDIAN ACCESS STRUCTURE STAIRS SECTIONS
221	SD536	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – SOUTH MEDIAN ACCESS STRUCTURE STAIRS DETAILS
222	SD537	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – SOUTH MEDIAN ACCESS STRUCTURE STAIRS DETAILS
223	SD538	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – SOUTH MEDIAN ACCESS STRUCTURE STAIRS DETAILS
224	SD550	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – NORTH MEDIAN ACCESS STRUCTURE ELEVATION
225	SD551	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – NORTH MEDIAN ACCESS STRUCTURE COLUMN & FOOTING DETAILS
226	SD552	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – NORTH MEDIAN ACCESS STRUCTURE STAIR DETAILS No. 1
227	SD553	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – NORTH MEDIAN ACCESS STRUCTURE STAIR DETAILS No. 2
228	SD560	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – SHELTER SHELTER FOUNDATION & ROOF FRAMING PLAN
229	SD561	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – TVM SHELTER CANOPY PLANS & ELEVATIONS
230	SD562	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – SHELTER CANOPY ELEVATIONS
231	SD563	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – SHELTER CANOPY AND TVM SHELTER CANOPY DETAILS No. 1
232	SD564	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – SHELTER CANOPY AND TVM SHELTER CANOPY DETAILS No. 2
233	SD565	C	STRUCTURAL – STORY STATION AND ACCESS STRUCTURES – SHELTER CANOPY AND TVM SHELTER CANOPY DETAILS No. 3
234	SP801	C	STRUCTURAL – EASTRIDGE STATION – GENERAL PLAN
235	SU801	C	STRUCTURAL – EASTRIDGE STATION – FOUNDATION PLAN
236	SD801	C	STRUCTURAL – EASTRIDGE STATION – TYPICAL SECTION
237	SD802	C	STRUCTURAL – EASTRIDGE STATION – PLATFORM DETAILS No. 1
238	SD803	C	STRUCTURAL – EASTRIDGE STATION – PLATFORM DETAILS No. 1
239	SD812	C	STRUCTURAL – STORY STATION PEDESTRIAN OVERCROSSING – SHELTER CANOPY AND TVM SHELTER CANOPY DETAILS No. 1
240	SD814	C	STRUCTURAL – STORY STATION PEDESTRIAN OVERCROSSING – SHELTER CANOPY AND TVM SHELTER CANOPY DETAILS No. 3
241	SD815	C	STRUCTURAL – STORY STATION PEDESTRIAN OVERCROSSING – SHELTER CANOPY AND TVM SHELTER CANOPY DETAILS No. 3
242	SP851	C	STRUCTURAL – EASTRIDGE STATION – EASTRIDGE SIGNALS/COMM HOUSE PLANS
243	SD851	C	STRUCTURAL – EASTRIDGE STATION – EASTRIDGE SIGNALS/COMM HOUSE DETAILS No. 1
244	SD852	C	STRUCTURAL – EASTRIDGE STATION – EASTRIDGE SIGNALS/COMM HOUSE DETAILS No. 2
245	SD853	C	STRUCTURAL – STORY STATION PEDESTRIAN OVERCROSSING – EASTRIDGE SIGNALS/COMM HOUSE DETAILS No. 3
246	SD854	C	STRUCTURAL – STORY STATION PEDESTRIAN OVERCROSSING – EASTRIDGE SIGNALS/COMM HOUSE DETAILS No. 4

SHT NO	DWG NO	REV	TITLE
277	SR623	B	STRUCTURAL – STORY STATION POC – TYPICAL SECTION
278	SR624	B	STRUCTURAL – STORY STATION POC – DECK FRAMING DETAILS No. 1
279	SR625	A	STRUCTURAL – STORY STATION POC – DECK FRAMING DETAILS No. 2
280	SR626	A	STRUCTURAL – STORY STATION POC – DECK FRAMING DETAILS No. 3
281	SR627	A	STRUCTURAL – STORY STATION POC – DECK FRAMING DETAILS No. 4
282	SD623	A	STRUCTURAL – STORY STATION POC – PILE DETAILS
283	SD624	A	STRUCTURAL – STORY STATION POC – DECK DRAINAGE DETAILS
284	SD625	A	STRUCTURAL – STORY STATION POC – RAILING DETAILS No. 1
285	SD626	A	STRUCTURAL – STORY STATION POC – RAILING DETAILS No. 2
286	SD627	A	STRUCTURAL – STORY STATION POC – RAILING DETAILS No. 3
287	SD628	A	STRUCTURAL – STORY STATION POC – RAILING DETAILS No. 4

SOUND WALL, RETAINING WALL, TPSS, SCREEN WALLS

288	SP901	C	STRUCTURAL – NORTH APPROACH WALLS – SOUND WALL
289	SD901	C	STRUCTURAL – NORTH APPROACH WALLS – SOUND WALL DETAILS
290	SP902	A	STRUCTURAL – CAPITOL AND CUNNINGHAM – RETAINING WALL
291	SP910	C	STRUCTURAL – TPSS #33 SCREEN – PLAN
292	SP911	C	STRUCTURAL – TPSS #34 SCREEN – PLAN
293	SD910	C	STRUCTURAL – TPSS #33 AND #34 – TPSS DETAILS No. 1
294	SD911	A	STRUCTURAL – TPSS #33 AND #34 – TPSS DETAILS No. 2
295	SD912	A	STRUCTURAL – TPSS #33 AND #34 – TPSS DETAILS No. 3

ELEVATORS

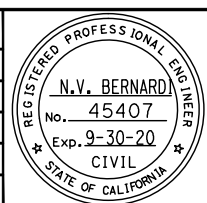
296	VP001	C	GENERAL ELEVATOR – INFORMATION
297	VP002	C	PLANS AND HOISTWAY SECTION – ELEVATOR 1 EAST
298	VP003	C	PLANS AND HOISTWAY SECTION – ELEVATOR 2 WEST
299	VP004	C	PLANS AND HOISTWAY SECTION – ELEVATOR 3 MEDIAN

SIGNAGE

300	SG100	B	ARCHITECTURAL – GRAPHIC STANDARDS
301	SG101	B	ARCHITECTURAL – SIGN TYPE MENU
302	SG500	B	ARCHITECTURAL – STORY STATION SIGNAGE LOCATION PLAN – GROUND LEVEL
303	SG501	B	ARCHITECTURAL – STORY STATION LOCATION PLAN – PLATFORM LEVEL
304	SG502	B	ARCHITECTURAL – STORY STATION LOCATION PLAN – PEDESTRIAN BRIDGE
305	SG503	B	ARCHITECTURAL – EASTRIDGE STATION SIGNAGE LOCATION – PLAN PLATFORM LEVEL
306	SG600	B	ARCHITECTURAL – SIGN TYPE 1: STATION – IDENTIFICATION PYLON
307	SG601	B	ARCHITECTURAL – SIGN TYPE 2: STATION IDENTIFICATION ON – AERIAL GUIDEWAY
308	SG602	B	ARCHITECTURAL – SIGN TYPE 10: DESTINATION – PLATFORM SIGNAGE
309	SG603	B	ARCHITECTURAL – SIGN TYPE 18: ACCESSIBLE SIGNAGE
310	SG604	B	ARCHITECTURAL – SIGN TYPE 19: WARNING SIGNAGE
311	SG605	B	ARCHITECTURAL – SIGN TYPE 20: RESTRICTIVE SIGNAGE
312	SG606	B	ARCHITECTURAL – SIGN TYPE 21: INFORMATION SIGNAGE
313	SG607	B	ARCHITECTURAL – SIGN TYPE 18, 19, 20 & 21: – MOUNTING DETAILS
314	SG608	B	ARCHITECTURAL – SIGN TYPE 22: ADA BRAILLE – ROOM IDENTIFICATION
315	SG609	B	ARCHITECTURAL – SIGN TYPE 23: OVERHEAD – IDENTIFICATION
316	SG610	B	ARCHITECTURAL – SIGN TYPE 24: ADA BRAILLE – ELEVATOR IDENTIFICATION
317	SG611	B	ARCHITECTURAL – SIGN TYPE 25: DOUBLE POST – STATION IDENTIFICATION
318	SG612	B	ARCHITECTURAL – SIGN TYPE 26: FENCE MOUNTED – STATION IDENTIFICATION
319	SG613	B	ARCHITECTURAL – SIGN TYPE 31: KIOSK – STATION IDENTIFICATION

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED	
BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
DESIGNED	CHECKED
C. Chi	M. Cosentino
DRAWN	CADD FILE NAME
A. Hernandez	801GN013.dwg



APPROVED	
BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
03/06/20	NTS
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT GENERAL SHEET INDEX - 9 VOLUME 3 (2 OF 2)		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE
SHEET OF	DRAWING NO.	REVISION
	GN013	B

DRAWING INDEX VOLUME 4

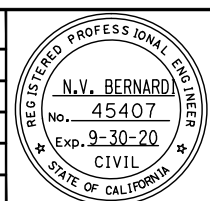
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Table with columns: SHT NO, DWG NO, REV, TITLE. Includes section for LRT SIGNALS.

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Table with columns: NO., DATE, REVISIONS. Includes entries for 06/20 and 03/19.



BKF100+ YEARS ENGINEERS / SURVEYORS / PLANNERS. Includes names C. Chi and M. Cosentino.



BKF100+ YEARS ENGINEERS / SURVEYORS / PLANNERS. Includes dates 03/06/19 and 06/29/20.

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT. Includes sheet info and project details.

DRAWING INDEX VOLUME 4

SHT DWG
NO NO REV TITLE

SHT DWG
NO NO REV TITLE

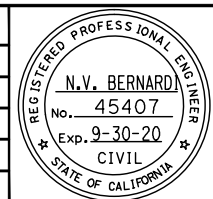
SHT DWG
NO NO REV TITLE

COMBINED SYSTEM DUCT

502	EC000	C	ELECTRICAL – COMBINED SYSTEM DUCT – LEGEND AND NOTES
503	EC001	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 964+80 TO STA 967+00
504	EC101	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 964+80 TO STA 967+00
505	EC002	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 967+00 TO STA 972+00
506	EC003	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 972+00 TO STA 977+00
507	EC004	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 977+00 TO STA 982+00
508	EC005	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 982+00 TO STA 987+00
509	EC006	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 987+00 TO STA 992+00
510	EC007	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 992+00 TO STA 997+00
511	EC008	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 997+00 TO STA 1002+00
512	EC009	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1002+00 TO STA 1007+00
513	EC010	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1007+00 TO STA 1012+00
514	EC011	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1012+00 TO STA 1017+00
515	EC012	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1017+00 TO STA 1022+00
516	EC013	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1022+00 TO STA 1027+00
517	EC014	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1027+00 TO STA 1032+00
518	EC015	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1032+00 TO STA 1035+50
519	EC016	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1035+50 TO STA 1039+50
520	EC116	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1035+50 TO STA 1039+50
521	EC216	B	ELECTRICAL – COMBINED SYSTEM DUCT (AT-GRADE) – PLAN & PROFILE
522	EC017	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1039+50 TO STA 1044+00
523	EC018	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1044+00 TO STA 1048+00
524	EC019	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1048+00 TO STA 1053+00
525	EC020	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1053+00 TO STA 1058+00
526	EC021	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1058+00 TO STA 1063+00
527	EC022	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1063+00 TO STA 1068+00
528	EC023	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1068+00 TO STA 1071+00
529	EC024	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1071+00 TO STA 1075+50
530	EC025	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1075+50 TO STA 1080+50
531	EC026	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1080+50 TO STA 1085+00
532	EC027	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1085+00 TO STA 1090+00
533	EC028	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1090+00 TO STA 1094+50
534	EC029	C	ELECTRICAL – COMBINED SYSTEM DUCT – STA 1094+50 TO STA 1095+11
535	ED401	B	ELECTRICAL – COMBINED SYSTEM DUCT – TYPICAL DUCTBANK SECTIONS
536	ED402	B	ELECTRICAL – COMBINED SYSTEM DUCT – CAPITOL EXPRESSWAY NORTH END
537	ED403	B	ELECTRICAL – COMBINED SYSTEM DUCT – CAPITOL EXPRESSWAY SOUTH END
538	ED404	B	ELECTRICAL – COMBINED SYSTEM DUCT – BENT 47
539	ED405	B	ELECTRICAL – COMBINED SYSTEM DUCT – BENT 48
540	ED406	B	ELECTRICAL – COMBINED SYSTEM DUCT – SIGNAL/COMM/ELECTRICAL ROOM (STORY STATION)
541	ED407	B	ELECTRICAL – COMBINED SYSTEM DUCT – STORY STATION PLATFORM SECTION
542	ED408	B	ELECTRICAL – COMBINED SYSTEM DUCT – DUCT BANKS FROM TPSS #34
543	ED409	B	ELECTRICAL – COMBINED SYSTEM DUCT – PULL BOX DETAILS – 1
544	ED410	B	ELECTRICAL – COMBINED SYSTEM DUCT – PULL BOX DETAILS – 2
545	ED411	B	ELECTRICAL – COMBINED SYSTEM DUCT – CS TROUGH DETAILS
546	ED412	B	ELECTRICAL – COMBINED SYSTEM DUCT – GROUNDING DETAILS
547	ED413	B	ELECTRICAL – COMBINED SYSTEM DUCT – GROUNDING DETAILS
548	ED414	B	ELECTRICAL – COMBINED SYSTEM DUCT – PRECAST GIRDER
549	ED415	B	ELECTRICAL – COMBINED SYSTEM DUCT – TES FEEDER POLE

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DESIGNED: C. Chi
CHECKED: M. Cosentino
DRAWN: A. Hernandez
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CADD FILE DATE: 03/06/20
SCALE: NTS
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GENERAL
SHEET INDEX - 13
VOLUME 4 (4 OF 4)

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. GN017 REVISION A

DRAWING INDEX VOLUME 5

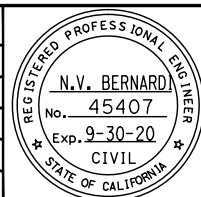
SHT NO	DWG NO	REV	TITLE
GENERAL			
1	GN001	C	GENERAL - TITLE
2	GN002	C	GENERAL - KEYMAP - 40 - SCALE
3	GN003	C	GENERAL - KEYMAP - 20 - SCALE
4	GN004	C	GENERAL - DESIGN DRAWING VOLUMES - LAYOUT AND ORGANIZATION
5	GN018	A	GENERAL - SHEET INDEX - 14 - VOLUME 5
6	GN019	C	GENERAL - ABBREVIATIONS - 1
7	GN020	C	GENERAL - ABBREVIATIONS - 2
8	GN021	C	GENERAL - ABBREVIATIONS - 3
9	GN022	C	GENERAL - ABBREVIATIONS - 4
10	GN023	C	GENERAL - ABBREVIATIONS - 5
11	GN024	C	GENERAL - LEGEND - 1
12	GN025	C	GENERAL - LEGEND - 2
13	GN026	C	GENERAL - LEGEND - 3
14	GN027	C	GENERAL - LEGEND - 4

SHT NO	DWG NO	REV	TITLE
CIVIL			
15	BR100	A	CIVIL - BRT OCALA STATION - KEYMAP
16	BR101	A	CIVIL - BRT OCALA STATION - DEMOLITION & SALVAGE PLAN - EXISTING CONDITION
17	BR111	A	CIVIL - BRT OCALA STATION - IMPROVEMENT PLAN
18	BR121	A	CIVIL - BRT OCALA STATION - UTILITY PLAN - 1
19	BR122	A	CIVIL - BRT OCALA STATION - UTILITY PLAN - 2
20	BR131	A	CIVIL - BRT OCALA STATION - CONSTRUCTION DETAILS - 1
21	BR132	A	CIVIL - BRT OCALA STATION - CONSTRUCTION DETAILS - 2

SHT NO	DWG NO	REV	TITLE
STRUCTURAL			
22	SA100	A	STRUCTURAL - BRT OCALA STATION - STRUCTURAL DESIGN CRITERIA
23	SP101	A	STRUCTURAL - BRT OCALA STATION - BUS SHELTER PLAN & ELEVATION
24	SU101	A	STRUCTURAL - BRT OCALA STATION - FOUNDATION DETAILS No. 1
25	SU102	A	STRUCTURAL - BRT OCALA STATION - FOUNDATION DETAILS No. 2
26	SU103	A	STRUCTURAL - BRT OCALA STATION - FOUNDATION DETAILS No. 3

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DESIGNED	CHECKED
C. Chi	M. Cosentino
DRAWN	CADD FILE NAME
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03/06/20	NTS
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT GENERAL SHEET INDEX - 14 VOLUME 5		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET OF
DRAWING NO.
GN018
REVISION
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ABBREVIATIONS LIST

A

A AREA, AMPERE, ADJUST TO GRADE
 AAR ASSOCIATION OF AMERICAN RAILROADS
 AASHTO AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
 AAV AUTOMATIC AIR VENT
 AB ABANDON, ANCHOR BOLT, AGGREGATE BASE
 Abn, ABAN ABANDON
 ABS AUTOMATIC BLOCK SIGNALING
 ABUT ABUTMENT
 AC ALTERNATING CURRENT, ASPHALT CONCRETE, ASBESTOS CEMENT (TRANSITE)
 A/C AIR CONDITIONING
 ACI AMERICAN CONCRETE INSTITUTE
 ACK ACKNOWLEDGE
 ACP ASBESTOS CEMENT PIPE, ACCESS CONTROL PANEL
 ACR ACCESS CARD READER
 ACS ADVANCED COMMUNICATIONS SYSTEM
 ACT'L ACOUSTICAL
 AD AREA DRAIN, ALGEBRAIC DIFFERENCE
 ADA AMERICANS WITH DISABILITIES ACT
 ADC ACCESS DOOR CONTACT
 ADD ADDITION
 ADJ ADJACENT
 ADD'L ADDITIONAL
 ADM ADD-DROP MULTIPLEXER
 ADR ACCESS DOOR
 AFC AUTOMATIC FARE COLLECTION
 AFF ABOVE FINISHED FLOOR
 AFG ABOVE FINISHED GRADE
 AFO AUDIO FREQUENCY OVERLAY TRACK CIRCUIT
 AFTS ALTERNATIVE FLARE TERMINAL SYSTEM
 AGC AUTOMATIC GAIN CONTROL
 AGG AGGREGATE
 AHD AHEAD
 AHU AIR HANDLING UNIT
 ALT ALTERNATE
 ALUM ALUMINUM
 AMP AMPERE, AMPLIFIER
 AN AMBIENT NOISE MICROPHONE
 ANG ANGLE
 ANN ANNUNCIATOR
 ANSI AMERICAN NATIONAL STANDARDS INSTITUTE
 ANT ANTENNA
 AP ACCESS PANEL, ANGLE POINT
 APN ASSESSOR'S PARCEL NUMBER, APPRAISAL NUMBER
 APPROX APPROXIMATELY
 ARCH ARCHITECT
 AREA AMERICAN RAILWAY ENGINEERING ASSOCIATION
 AREMA AMERICAN RAILWAY ENGINEERING AND MAINTENANCE-OF-WAY ASSOCIATION
 ARRGT ARRANGEMENT
 AS AGGREGATE SUBBASE, AMMETER SWITCH
 ASHRAE AMERICAN SOCIETY OF HEATING REFRIGERATION & AIR CONDITIONERS, INC
 ASME AMERICAN SOCIETY OF MECHANICAL ENGINEERS
 ASPE AMERICAN SOCIETY OF PLUMBING ENGINEERS
 ASPH ASPHALT
 ASTM AMERICAN SOCIETY OF TESTING MATERIALS
 ASYNCH ASYNCHRONOUS
 AT&T AMERICAN TELEPHONE & TELEGRAPH

ATC AUTOMATIC TRAIN CONTROL
 A/T/C AUTOMATIC TEMPERATURE CONTROL
 ATZ ALL TRAINS BY ZONE
 AUX AUXILIARY
 AVE AVENUE
 AVG AVERAGE
 AVI AUTOMATIC VEHICLE IDENTIFICATION
 AVM ADD - FAIR VENDING MACHINE, ADD VALUE MACHINE
 AWG AMERICAN WIRE GAUGE
 AWS AMERICAN WELDING SOCIETY

B

BAT BATTERY
 BB BEGIN BRIDGE
 BC BEGIN CURVE, BOTTOM OF CURB, BARE COPPER
 BCL BARE CEMENT LINED STEEL
 BCR BEGINNING OF CURB RETURN
 BD BOARD
 BDD BACK DRAFT DAMPER
 BDPL BITUMEN DIPPED PIPELINE
 BEG BEGIN
 BETW BETWEEN
 BC-S BACKFILL-SAND
 BF-C BACKFILL-CONCRETE
 BFP BACK FLOW PREVENTER
 BK BACK, BOOK
 BKF BACKFILL
 BKR BREAKER
 BL BLUE LIGHT STATION
 BLDG BUILDING
 BLVD BOULEVARD
 BLCK BLK
 BLK'G BLOCKING
 BLS BLUE LIGHT STATION
 BM BEAM
 BOCA BUILDING OFFICIALS AND CODE ADMINISTRATION
 BOI BARE OUTSIDE AND LINED STEEL
 BOJ BUILD ON JOB
 BOT BOTTOM
 BOW BACK OF WALK
 BR BRASS, BRIDGE
 BIO BIORETENTION AREA
 BRG BEARING
 BRK BREAK
 BRKR BREAKER
 BRT BUS RAPID TRANSIT
 BSMT BASEMENT
 BSL BUILDING SETBACK LINE
 BTWN BETWEEN
 BTUH BRITISH THERMAL UNITS PER HOUR
 BVC BEGIN VERTICAL CURVE
 BW BACK OF WALL, BOTTOM OF WALL, BOTH WAYS

C

C CAUTION, CONDUIT
 CALTRANS CALIFORNIA DEPARTMENT OF TRANSPORTATION
 CA CABLE TELEVISION
 CATV CABLE TELEVISION
 CAB CABINET
 CB CONCRETE BARRIER

CC CEMENT COATED STEEL
 CCAS CENTRAL CONTROL AUDIO SYSTEM
 CCCL CEMENT COATED CEMENT LINED STEEL
 CCER CENTRAL CONTROL EQUIPMENT ROOM
 CCS CENTRAL CONTROL SYSTEM
 CCTV CLOSED CIRCUIT TELEVISION
 C/C, C-C CENTER TO CENTER
 CDF CONTROLLED DENSITY FILL, COMBINED DISTRIBUTION FRAME
 CEM CEMENT
 CEN CENTER
 CF-## CCTV FIXED
 CF CUBIC FEET
 CFC CASSETTE FAN COIL
 CFM CONFORM
 CG CENTER OF GRAVITY
 C&G CURB & GUTTER
 CHBK CHANNEL BANK
 CID CARD INTERFACE DEVICE
 CIDH CAST IN DRILLED HOLE
 CIP CAST IN PLACE, CAST IRON PIPE
 CIR CIRCLE
 CJ CONSTRUCTION JOINT
 CJB COMMUNICATIONS JUNCTION BOX
 CJP COMPLETE JOINT PENETRATION
 CK CREEK
 CKT CIRCUIT
 CL CEMENT LINED, CHAIN LINK, CLASS
 CLF CHAIN LINK FENCE
 CLG CEILING
 CLGD CEILING DIFFUSER
 CLGR CEILING REGISTER
 CLGS CEILING SUPPORT
 C/L, C CENTER LINE
 CLKG CAULKING
 CLR CLEAR, CLEARANCE, CIRCUIT LAYOUT RECORD
 CMP CORRUGATED METAL PIPE
 CMS CHANGEABLE MESSAGE SIGN
 CMU CONCRETE MASONRY UNIT
 CND CONDUIT
 CNTRL CONTROLLER
 CO CLEAN OUT, CENTRAL OFFICE
 COAX COAXIAL CABLE
 COL COLUMN
 COM COMMUNICATIONS (CONDUIT)
 COMM COMMUNICATIONS
 COMP COMPOSITION
 CON CONTACT
 CONC CONCRETE
 CONN CONNECTION
 CONST CONSTRUCTION
 CONT CONTINUOUS
 CONT'D CONTINUED
 CONTR CONTRACTOR, CONTROLLER
 CP-## CCTV PTZ
 CP CATHODIC PROTECTION
 CPB COMMUNICATION PULLBOX
 CPL CURED IN PLACE LINER
 CPU CENTRAL PROCESSING UNIT
 CPUC CALIFORNIA PUBLIC UTILITIES COMMISSION
 C.R. COMMUNICATIONS ROOM
 CR CREEK, CURB RAMP
 CRSI CONCRETE REINFORCING STEEL INSTITUTE

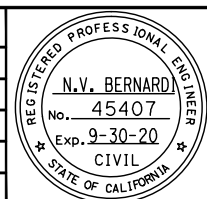
CRT CATHODE RAY TUBE
 CS COMBINED SYSTEM
 POINT OF CHANGE FROM, CIRCULAR CURVE TO SPIRAL
 CSD COMBINED SYSTEMS DUCTBANK
 CSJ CITY OF SAN JOSE
 CSP COMMUNICATIONS SPECIALIST, CORRUGATED STEEL PIPE
 CSS COMMUNICATIONS SYSTEMS
 CSU CHANNEL SERVICE UNIT
 CT CERAMIC TILE, COURT, COURTESY TELEPHONE
 CTC COMMUNICATION TERMINAL CABINET
 CTCSS CONTINUOUS TONE CODED SQUELCH SYSTEM
 CTD COATED
 CTL COAL TAR LINED STEEL
 CTP CODED TRACK CIRCUIT PROCESSOR (SIGNALS)
 CTRS CENTERS
 CTS COMMUNICATION TRANSMISSION SYSTEM
 CTSK COUNTERSINK
 CV CONTROL VALVE
 CW CONTACT WIRE, COLD WATER
 CWR CONTINUOUS WELDED RAIL
 CWT COUNTERWEIGHT
 CXR CARRIER
 CYL CYLINDER

D

D DEEP
 DACS DIGITAL ACCESS AND CROSS-CONNECT SYSTEM
 DAS DATA ACQUISITION SYSTEM
 DB DIRECT BURIED, DRY BULB, DECIBEL
 DBA DECIBELS, A SCALE
 DBC DIRECT BURIED CABLE
 DBG DISTANCE BETWEEN GUIDE RAILS
 DBH DIAMETER AT BREAST HEIGHT
 DBL DOUBLE
 DC DIRECT CURRENT, DISTRIBUTION CABINET, DOOR CONTACT
 DCCL DIPPED COATED CEMENT LINED (Organic Zinc)
 DCIL DUCTILE CAST IRON LINED
 DE DEAD END
 DEG DEGREE
 DEH DEAD END HITCH
 DEPT DEPARTMENT
 DEST DESTINATION
 DET DETAIL
 DF DIRECT FIXATION, DRINKING FOUNTAIN
 DFK DIPPED & FIBERGLASS KRAFT WRAPPED STEEL (Asphalt Coated)
 DFE DISTRICT FEEDING EQUIPMENT
 DFM DISTRIBUTION FEEDER MAIN, DISTRICT FEEDING MATERIAL
 D/I DROP & INSERT
 DI DRAINAGE INLET, DUCTILE IRON
 DIA DIAMETER
 DIAG DIAGONAL
 DICL DUCTILE IRON CEMENT LINED
 DIM DIMENSION
 DIMS DIMENSIONS
 DIO DISCRETE I/O (INPUT/OUTPUT)
 DN DOWN
 DIP DUCTILE IRON PIPE
 DIR DIRECTION
 DISC DISCONNECT
 DISCONT DISCONTINUOUS

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C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET
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06/29/20	

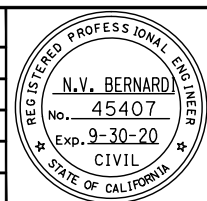
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT GENERAL ABBREVIATIONS - 1		
PCA NO.	CONTRACT NO.	FILE LOCATION
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SHEET	OF	DRAWING NO.
		GN019
		REVISION
		C

ABBREVIATIONS LIST

DISP	DISPENSER	EM TRIP	EMERGENCY TRIP	FDR	FEEDER	GIGE	GIGABIT ETHERNET
DIST	DISTRIBUTION	ENCL	ENCLOSURE	FE	FIRE EXTINGUISHER	GL	GLASS
DIV	DIVISION	ENET	ETHERNET	FEP	FRONT END PROCESSOR	GLB	GLU-LAM BEAM
DL	DEAD LOAD	EOL	END OF LINE	FF	FINISHED FLOOR	GLO	GEAR LUBE OIL
DLC	LOOP DETECTOR LEAD IN CABLE (PROPOSED)	EP	EDGE OF PAVEMENT, EMERGENCY POWER	FG	FINISHED GRADE	GM	GAS METER
DLCE	LOOP DETECTOR LEAD IN CABLE (EXISTING)	EPB	EMERGENCY (POWER) PULL BOX	FH	FIRE HYDRANT	GND	GROUND (ELECTRICAL)
DM	DELAY MONITOR	EQ	EQUAL	FHC	FIRE HOSE CABINET	GOV	GOVERNOR
DMOD	DEMODULATE	EQN	EQUATION	FHD	FLAT HEAD	GP	PLANNED GRADING PLANE
DMP	DESIGNATED MATCHING PRODUCT	EQUIP	EQUIPMENT	FHMB	FLAT HEAD MACHINE BOLT	GPS	GLOBAL POSITIONING SYSTEM
DN	DOWN	ER	ELEVATOR ROOM	FHMS	FLAT HEAD MACHINE SCREW	GR	GRADE
DNS	DIFFUSER NECK SIZE	ES	EACH SIDE	FI	FLASHING INLET	GRD	GROUND
DO	DITTO, DOOR OPENING	ESA	ENVIRONMENTALLY SENSITIVE AREA	FIN	FINISH	GRL	GRILLE
DP	DISTRIBUTION PANEL	ESMT	EASEMENT	FIX	FIXTURE	GRS	GALVANIZED RIGID STEEL
DPO	DIAL PULSE-ORIGINATING	ESMU	ENVIRONMENTAL & SECURITY MONITORING UNIT	FK	FIBERGLASS-KRAFT WRAPPED (Asphalt Coated)	GT	GAS TRANSMISSION
DPP	DIGITAL PATCH PANEL	ESP	EXTERNAL STATIC PRESSURE	FKCL	FIBERGLASS-KRAFT WRAPPED-CEMENT LINED	GUI	GRAPHICAL USER INTERFACE
DPT	DIAL PULSE-TERMINATING	ESR	ELECTRICAL SERVICE ROOM	FKCTC	FIBERGLASS-KRAFT WRAPPED & COAL TAR COATED	GYP	GYPSPUM
DR	DOOR, DRIVE	ET	EMERGENCY TELEPHONE	FL	FLOOR, FLOW LINE		
DSO	DIGITAL SIGNAL LEVEL 0, 1 VOICE CHANNEL (64 KBPS)	ETC	ETCETERA	FLASH	FLASHING	H	
DS1	DIGITAL SIGNAL LEVEL 0, 24 DOS (1.544 MBPS)	ETS	ELECTRONIC TEST STATION, EMERGENCY TERMINAL SLOWDOWN,	FLR	FLOOR	H	HEIGHT, HORIZONTAL
DS	DIPPED STEEL, DEVICE SERVER, DISCONNECT SWITCH		EMERGENCY TRIP STATION	FLUOR	FLUORESCENT	HB	HOSE BIBB
DSC	DISPOSABLE SEAT COVER	ETCO	E TEL LINE CONSOLIDATOR	FLEX/C	FLEXIBLE CONNECTION	HC	HOLLOWED CORE
DSS	DESTINATION SIGN SYSTEM	ETEL	EMERGENCY TELEPHONE	FLX	FLEXIBLE (CONDUIT)	H/C	HANDICAPPED
DSU	DATA SERVICE UNIT	ETW	EDGE OF TRAVELLED WAY	FM	FREQUENCY MODULATION	HCS	HEADQUARTERS COMPUTER SYSTEM - AFC
DSX	DIGITAL CROSS CONNECT PANEL	EU	UNBALANCED SUPERELEVATION	FMP	FIRE MANAGEMENT PANEL	HD	HEAD
DTL	DETAIL	EX	EXISTING	FO	FIBER OPTIC CABLE	HDR	HEADER
DVR	DIGITAL VIDEO RECORDER	EXC	EXCAVATE	F/O	FRONT OPENING	HDWD	HARDWOOD
DW	DIPPED WITH TAR	EXHA	EXHAUST FAN	FOC	FACE OF CURB, FIBER OPTIC CABLE	HF	HIGH FREQUENCY
DWG	DRAWING	EXIST	EXISTING	FOM	FIBER OPTIC MODEM	HH	HANDHOLE
DWGS	DRAWINGS	EXP	EXPANSION, EXPRESSWAY	FOT	FIBER OPTIC TERMINAL	HHHB	HEXAGONAL HEAD MACHINE BOLT
DWR	DRIVER WAITING ROOM	EXPWY	EXPRESSWAY	FPC	FIRE PROTECTION CABINET	HL	HEEL LENGTH OF FROG
DWY	DRIVEWAY	EXPRWY	EXPRESSWAY	FPM	FEET PER MINUTE	HM	HOLLOW METAL
		EXT	EXIT, EXTERIOR	FPP	FIBER PATCH PANEL	HORIZ	HORIZONTAL
		EV	ELEVATOR EQUIPMENT ROOM	FR GRD	FRAME GROUND	HOV	HIGH OCCUPANCY VEHICLE
E		EV (A-D)	EMERGENCY VEHICLE (A-D)	FRM'G	FRAMING	HP	HIGH POINT, HEAT PUMP, HIGH PRESSURE, HINGE POINT, HORSE POWER
E	EAST, ELECTRIC	EVC	END VERTICAL CURVE	FRRC	FIRE-RADIO REMOTE CONTROL UNIT	HR	HOUR
(E)	EXISTING	EVP	EMERGENCY VEHICLE PRE-EMPTION (PROPOSED)	FS	FIRE SERVICE, FINISHED SURFACE	HS	HARDSCAPE, HIGH STRENGTH
EA	EACH, EMERGENCY ALARM	EVPE	EMERGENCY VEHICLE PRE-EMPTION (EXISTING)	FSK	FREQUENCY SHIFT KEYING	HSG	HOUSING
Ea	ACTUAL SUPERELEVATION	EVR	EVENT RECORDER	FT	FEET, FOOT	HSS	HOLLOW STRUCTURAL SECTION
EASEMT	EASEMENT	EW	EACH WAY	FT COMP	FAULT TOLERANT COMPUTER	HSTWY	HOISTWAY
EB	EASTBOUND, END BRIDGE	EWC	ELECTRIC WATER COOLER	FTG	FOOTING	HT	HEIGHT, HEATER
EBP	EMERGENCY BACKUP PANEL	EWFC	EACH WAY EACH FACE	FURN	FURNACE	HVAC	HEATING VENTILATION AIR CONDITIONING
EC	END CURVE			FUT	FUTURE	HW	HARDWARE
ECR	END OF CURB RETURN	E		F/V	FACE VELOCITY	HWH	HOT WATER HEATER
EIM	ETHERNET INVERSE MULTIPLEXER	F	FAHRENHEIT, FEEDER HOLE	FV	FIELD VERIFY	HWY	HIGHWAY
EF	EACH FACE, EXHAUST FAN	FA	FIXED ANCHOR, FIRE ALARM	FXO	FOREIGN EXCHANGE, OFFICE END	HYDR	HYDRAULIC
E&H	ELDERLY AND HANDICAP	FAB	FABRICATED	FXS	FOREIGN EXCHANGE, STATION END	HZ	HERTZ
EJ	EXPANSION JOINT	FAC	FACILITY				
EJB	EMERGENCY (POWER) JUNCTION BOX	FACP	FIREALARM AND CONTROL PANEL	G			
EKSU	ELECTRONIC KEY SVC UNIT	FADP	FUSE ALARM AND DISTRIBUTION PANEL	G	GAS (NATURAL), GROUND	I	
EKTS	ELECTRONIC KEY TEL SYSTEM	FAF	FLUID APPLIED FLOORING	GA	GAUGE	IADS	INTRUSION ALARM DOOR SWITCH
EL	ELEVATION, ELEVATOR, ELECTRICAL DOOR STRIKE	FAI	FRESH AIR INTAKE	GAL	GALLON, GALLONS	IC	INTERCOM
ELEV	ELEVATION	FAX	FACSIMILE	GALV	GALVANIZED	ID	INSIDE DIAMETER, IDENTIFICATION
ELEC	ELECTRIC, ELECTRICAL	FBB	FIBER BREAKOUT BOX	GB	GRADE BREAK, GYPSUM BOARD	IDF	INTERMEDIATE DISTRIBUTION FRAME
ELP	EMERGENCY LIGHTING PANEL	FC	FIRE HOSE & EXTINGUISHER CABINET	GBIC	GIGABIT ETHERNET INTERFACE CARD,	ID GEN	IDENTIFICATION GENERATOR
ELS	ELEVATOR SCADA CABINET	FCO	FLOOR CLEANOUT		GIGABIT INTERFACE CONVERTER	IDS	INTRUSION DETECTION SYSTEM
ELSL	ELECTRIC SWITCH LOCK	FD	FOUND, FIRE DETECTOR, FLOOR DRAIN	GBPS	GIGABIT PER SECOND	IDSS	INTRUSION DETECTION SYSTEM SENSOR
E'LY	EASTERLY	FDAC	FULL DEPTH ASPHALT CONCRETE	GEN	GENERATOR	IDS "X"	INTRUSION DETECTION CABINET NO. "X"
EM	EMERGENCY	FDC	FIRE DEPARTMENT CONNECTION	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	IE	INVERT ELEVATION
EMB	EMBANKMENT, EMBEDDED	FDP	FIBER DISTRIBUTION PANEL	GG	GROOVE AND GRIP PIPE	I/E, IEE	INGRESS EGRESS EASEMENT
EMS	ELECTRONIC MESSAGE SIGN	FDN	FOUNDATION	GHZ	GIGALERTZ	I/F	INTERFACE
EMT	ELECTRICAL METALLIC TUBING	FDP	FIBER DISTRIBUTION PANEL	GI	GALVANIZED IRON		
EM PNL	EMERGENCY PANEL						

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A	06/18	35% SUBMITTAL SET



SUBMITTED	
BkF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
DESIGNED	CHECKED
C. Chi	M. Cosentino
DRAWN	CADD FILE NAME
A. Hernandez	801GN020.dwg



APPROVED	
BkF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
03/06/20	NTS
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

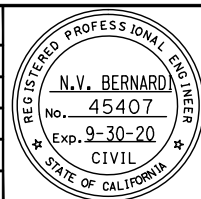
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT GENERAL ABBREVIATIONS - 2		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE
SHEET	OF	DRAWING NO.
		GN020
		REVISION
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ABBREVIATIONS LIST

IGBT	INSULATED GATE BIPOLAR TRANSDUCER	LF	LINEAR FEET	MPF	MOVEABLE POINT FROG	OCC	OPERATIONS CONTROL CENTER
IJ	INSULATED JOINT	LG	LONG	MPH	MILES PER HOUR	OCI	51.84 MB/S OPTICAL CARRIER
IMP	INSULATED MID-POINT	LH	LEFT HAND	MPOE	MAIN POINT OF ENTRY	OCS	OVERHEAD CONTACT SYSTEM
IN	INCH	LH CURVE	TRACK CURVES TO THE LEFT IN THE DIRECTION OF INCREASED STATIONING	MR	MOVEMENT RATING	OD	OUTSIDE DIAMETER
IND	INDICATION	LL	LANE LINE	MRL	MACHINE-ROOM-LESS	OFS	OUTSIDE FACE OF STUD
INST	INSTALL	LMA	LUMINAIRE MAST ARM	MS	MACHINE SCREW	OFSH	OUTSIDE FACE OF SHEETING
INSTR	INSTRUCTION	LN	LANE	MSG	MESSAGE	OG	ORIGINAL GROUND
INSUL	INSULATION	LO	LUGS ONLY	MSE	MECHANICALLY STABILIZED EARTH	OGAC	OPEN GRADED ASPHALT CONCRETE
INT	INTERSECTION	LOC	LOCATION	MT	CONDUIT WITH PULL WIRE OR ROPE MAINTENANCE TELEPHONE	OH	OPPOSITE HAND, OVERHEAD
INTFC	INTERFACE	LOL	LAYOUT LINE	MTB	MAINTENANCE TELEPHONE BRIDGE	OHE	OVERHEAD ELECTRICAL EASEMENT
INV	INVERT	LONG	LONGITUDINAL	MTD	MOUNTED	OP	OPERATOR, OVERPASS
I/O	INPUT/OUTPUT	LP	LOW POINT, LOOP	MTJ	MAINTENANCE TELEPHONE JACK	OPG, OPNG	OPENING
IP	IRON PIPE, INTERNET PROTOCOL	LPS	LOW PRESSURE SODIUM	MTL	METAL	OPP	OPPOSITE
IR	IN RUNNING	LRT	LIGHT RAIL TRANSIT	MTS	MAINTENANCE TELEPHONE SET	OPT	OPTIONAL
IRR	IRRIGATION	LRU	LOWEST REPLACEABLE UNIT	MTU	MAINTENANCE TELEPHONE UNIT	OSP	OUTSIDE PLANT
IS	INFORMATION SYSTEM	LRV	LIGHT RAIL VEHICLE	MUX	MULTIPLEX	OSP MM	OUTSIDE PLANT MULTI-MODE
IT	TECHNOLOGY DEPARTMENT	LS	LENGTH OF SPIRAL, LUMP SUM, LANDSCAPE	MVP	MAINTENANCE VEHICLE PULLOUT	OPX	OFF-PREMISE EXTENSION
ITC	INTERFACE TERMINAL CABINET	LSCAPE	LANDSCAPE	MW	MESSENGER WIRE	OPS	OPERATIONS SUPPORT, OPERATIONS
ITS	INTELLIGENT TRANSPORTATION SYSTEM	LSE	LANDSCAPE EASEMENT			OS	OPERATING SYSTEM
		LSS	LIMIT OF STRUCTURAL SECTION	<u>N</u>		OVHD	OVERHEAD
<u>J</u>		LT	LEFT, LIGHT			<u>P</u>	
JAN	JANITOR	Lt	LEFT	N	NORTH	P	PAINTED, PEDESTRIAN, POLE, PROTECT, POWER SWITCH MACHINE
J-BOX	JUNCTION BOX	LTG(S)	LIGHT(S), LIGHTING	(N)	NEW	PA	PUBLIC ADDRESS, PLANTING AREA
JP	JOINT POLE	LV	LOW VOLTAGE	NA, N/A	NOT APPLICABLE	PABX	PRIVATE AUTOMATIC BRANCH EXCHANGE
J/S	JOULES PER SECOND	LVC	LENGTH OF VERTICAL CURVE	NAT	NATURAL	PAC	PROGRAMMABLE AUTOMATION CONTROLLER
JNT	JOINT, JOINT TRENCH	LVL	LEVEL	NB	NORTHBOUND	PAC BELL	PACIFIC BELL
JPB	PENINSULA CORRIDOR JOINT POWERS BOARD	LWSI	LIGHT WEIGHT SHEET IRON	NC	NETWORK CARD, NORMALLY CLOSED	PB	PULLBOX
JST	JOIST			NE	NORTHEAST	PC	POINT OF CURVATURE, PRECAST, PIECE, PERSONAL COMPUTER
		<u>M</u>		NEG	NEGATIVE	PCC	POINT OF COMPOUND CURVATURE, PORTLAND CEMENT CONCRETE
<u>K</u>		MA	MAST ARM, MILLIAMPERE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	PCGRS	POLYVINYL CHLORIDE COATED GALVANIZED RIGID STEEL
K	KIPS - CURVE COEFFICIENT	MACH	MACHINE	NE'LY	NORTHEASTERLY	PCM	PULSE CODE MODIFICATION
KAIC	KILO-AMPERES INTERRUPTING CAPACITY	MAINT	MAINTENANCE	NEUT	NEUTRAL	PDAC	PUBLIC ADDRESS DIGITAL TO ANALOG CONVERTER
KBPS	KILOBITS PER SECOND	MAT'L	MATERIAL	NFPA	NATIONAL FIRE PROTECTION AGENCY	PDU	POWER DISTRIBUTION UNIT
KCAL	KILOCALORIE	MAU	MAKE UP AIR UNIT	NGVD	NATIONAL GEODETIC VERTICAL DATUM	PE	POLYETHYLENE PIPE
KCM	THOUSAND CIRCULAR MILS	MAX	MAXIMUM	NIC	NOT IN CONTRACT, NETWORK INTERFACE CARD	PEC	PERMIT TO ENTER AND CONSTRUCT
KCMIL	THOUSAND CIRCULAR MILS	MB	MACHINE BOLT	NIEC	NOT IN ELEVATOR CONTRACT	PED	PEDESTRIAN
KHZ	KILOHERTZ	MBGR	METAL BEAM GUARD RAIL	NIT	NITROGEN PIPE	PERF	PERFORATED
KIT	KITCHEN	MBPS	MEGABIT PER SECOND	N'LY	NORTHERLY	PET	PROTECTED ENTRANCE TERMINAL
KPa	KILOPASCAL	MC	MEDIA CONVERTER, MULTI-COUPLER	NM	AMBIENT NOISE MICROPHONE	PEU	PHOTOELECTRIC UNIT (PROPOSED)
KSU	KEY SERVICE UNIT	MDF	MAIN DISTRIBUTION FRAME	NMS	NETWORK MANAGEMENT SYSTEM	PEUE	PHOTOELECTRIC UNIT (EXISTING)
KTS	KEY TELEPHONE SYSTEM	ME	MAINTENANCE EASEMENT	NNE	NORTH NORTHEAST	PF	POINT OF FROG
KTU	KEY TELEPHONE UNIT	MECH	MECHANICAL	No., NO.	NUMBER	PG&E	PACIFIC GAS AND ELECTRIC
KV	KILOVOLT	MEMB	MEMBRANE	N/O	NORTH OF	PGEE	PACIFIC GAS AND ELECTRIC EASEMENT
KVA	KILOVOLT-AMPERES	MEZZ	MEZZANINE	NO	NORMALLY OPEN	PGL	PACIFIC GRADE LINE
KVM	KEYBOARD, VIDEO, AND MOUSE	MFR	MANUFACTURER	NOM	NOMINAL	PH	PHASE
KW	KILOWATTS	MG	MOTOR-GENERATOR	NP	NORMAL POWER	PI	POINT OF INTERSECTION
KWH	KILOWATT HOUR	MGS	MIDWEST GUARDRAIL SYSTEM	NRCS	NATURAL RESOURCES CONSERVATION SERVICE	PIM	PASSENGER INFORMATION MONITOR
		MH	MANHOLE	NTS	NOT TO SCALE	PITO	POINT OF INTERSECTION OF TURNOUT
<u>L</u>		MHZ	MEGAHERTZ	NVP	NON-VITAL PROCESSOR	PIVC	POINT OF INTERSECTION OF VERTICAL CURVE
L	LENGTH	MI	MOBILITY IMPAIRED	NW'LY	NORTHWESTERLY	PJB	(NORMAL) POWER JUNCTION BOX
LAM	LAMINATE	MIC	MICROPHONE			PK	POWER (NORMAL) CONDUIT
LAN	LOCAL AREA NETWORK	MIN	MINIMUM	<u>Q</u>		PL, PL	PLACE, PLASTIC PIPE, PLATE
LAV	LAVATORY	MIS	MANAGEMENT INFORMATION SYSTEM	O&M	OPERATIONS & MAINTENANCE	P/L	PROPERTY LINE
LB	POUNDS	MISC	MISCELLANEOUS	OA	OVERALL	PLAS	PLASTER
LC	LENGTH OF CIRCULAR CURVE	MLO	MAIN LUG ONLY	OA	OUTSIDE AIR	PLB	PLUMBING
LCD	LIQUID CRYSTAL DISPLAY	MM	MULTIMODE (FIBER OPTIC CABLE)	OC	ON CENTER, OVERCROSSING	PLC	PROGRAMMABLE LOGIC CONTROLLER
LDF	LOCAL DISTRIBUTION FRAME	MOD	MODIFIED	OC-3	SONET OPTICAL CARRIER LEVEL 3 SIGNAL (155.52 Mbps)	PLL	PHASE LOCKED LOOP
LE	LANDSCAPE EASEMENT	MON	MONUMENT, MONITOR	OC-12	SONET OPTICAL CARRIER LEVEL 12 SIGNAL (622.08 Mbps)		
LED	LIGHT-EMITTING DIODE	MOW	MAINTENANCE OF WAY	OC-48	SONET OPTICAL CARRIER LEVEL 48 SIGNAL (2,488 Mbps)		
		MPa	MEGAPASCAL				

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SUBMITTED
 DESIGNED: C. Chi
 CHECKED: M. Cosentino
 DRAWN: A. Hernandez
 CADD FILE NAME: 801GN021.dwg

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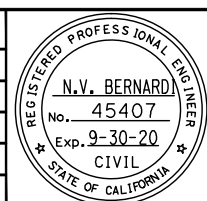
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT GENERAL ABBREVIATIONS - 3		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE
SHEET OF	DRAWING NO. GN021	REVISION C

ABBREVIATIONS LIST

PLF, PLTFM	PLATFORM	R		RT/U	ROOF TOP UNITS	SIM	SIMILAR
PLY	PLYWOOD	R	RADIUS, RISER, RELOCATE, RECEIVE	RW	RETAINING WALL	SJ	CITY OF SAN JOSE
PLB	PERMEABLE MATERIAL	(R)	REMOVE	RWL	RAIN WATER LEADER	SJMC	SAN JOSE MUNICIPAL CODE
PLL	PHASE LOCKED LOOP	R1	RING 1	RWLOL	RETAINING WALL LAYOUT LINE	SJW	SAN JOSE WATER
P/O	PART OF	R/A	RELEASE/ADVANCE, RELOCATE AND ADJUST TO GRADE	R/W	RIGHT-OF-WAY	SJWC	SAN JOSE WATER COMPANY
PM	PERMEABLE MATERIAL	RA	RETURN AIR	RX	RECEIVE	SJWW	SAN JOSE WATER WORKS
PNL	PANEL	RAD	RADIUS, RADIO EQUIPMENT	S	SALVAGE ,SLOPE, SOUTH	SL	SLEEVE, STREETLIGHT
POC	PEDESTRIAN OVERCROSSING, POINT OF CIRCULAR CURVE, POINT OF CONNECTION	RAID	REDUNDANT ARRAY OF INDEPENDENT DISKS	S1	SIGNAL 1	S'LY	SOUTHERLY
POCE	POINT OF CONNECTION EAST	RAM	RANDOM ACCESS MEMORY	S2	SIGNAL 2	SM	SINGLE MODE, SQUARE METERS
POCW	POINT OF CONNECTION WEST	RAR	RETURN AIR REGISTER	SA	SUPPLY AIR, SURGE ARRESTER	SMA	SIGNAL MAST ARM
POE	POWER OVER ETHERNET	RC	REINFORCED CONCRETE, RELAY CASE	SAF	SUPPLY AIR FAN	SMACNA	SHEET METAL & AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION INC
POS	POSITIVE	Rc	CURVE RADIUS	SAN	SANITARY	SMD	SEE MECHANICAL DRAWINGS
POS'N	POSITION	R/C	RATE OF CHANGE OF CIRCULAR CURVE	SAP	SPRINKLER ALARM PANEL	SMU	SIGNAL MONITORING UNIT (EVENT RECORDER)
POT	POINT ON TANGENT	RCB	REINFORCED CONCRETE BOX	SAT REC	SATELLITE RECEIVER	SNMP	SIMPLE NETWORK MANAGEMENT PROTOCOL
PP	POWER PANEL	RCV	REINFORCED CONCRETE PIPE	SAV	STAND ALONE VALIDATOR	SOM	SOMASTIC COATED STEEL
PPBE	PEDESTRIAN PUSH BUTTON (EXISTING)	RD	ROAD	SB	SOUTHBOUND, SPLICE BOX, STANDARD BLACK	SOMCL	SOMASTIC COATED AND LINED STEEL
PPBP	PEDESTRIAN PUSH BUTTON (PROPOSED)	RDWY	ROADWAY	SBC	SBC COMMUNICATIONS INC.	SONET	SYNCHRONOUS OPTICAL NETWORK
PPM	PARTS PER MILLION	RE	RIM ELEVATION	S/C	SAWCUT & CONFORM	SP	SPLICE, SPARE, STATIC, SIGNAL PROCESSOR
PPN	POWER PANEL NORMAL	REC	RECORD, RECORDER	SC	POINT OF CHANGE FROM SPIRAL TO CIRCULAR CURVE, SOLID CORE, SIGNAL CASE, FIBER OPTIC CONNECTOR	SPDT	SINGLE POLE DOUBLE THROW
PPP	PERFORATED PLASTIC PIPE	RECPT	RECEPTACLE	SCADA	SUPERVISORY CONTROL AND DATA ACQUISITION	SPEC	SPECIFICATIONS
PR	PAIR	REF	REFER TO, REFERENCE, REFLECTED	SCAT	SIMPLE CATENARY AUTO TENSIONED	SPK	SPEAKER
PRC	POINT OF REVERSE CIRCULAR CURVE	REINF	REINFORCED, REINFORCEMENT	SCC	SANTA CLARA COUNTY	SPG	SPACING
PREFAB	PREFABRICATED	REL	RELOCATED	SCD	SEE CIVIL DRAWINGS	SPR	SPRINKLER
PRELIM	PRELIMINARY	REM	REMOVE	SCH,SCHED	SCHEDULE	SPKR	SPEAKER
PROJ	PROJECTION	REQ	REQUIRED	SCL	COUNTY OF SANTA CLARA	SQ	SQUARE
PROP	PROPOSED	REQ'D	REQUIRED	SCR	SILICON CONTROLLED RECTIFIER	SR	SIGNAL ROOM
PROT	PROTECTOR, PROTECTION	RET	RETAINING, RETURN	SCU	STATION CONTROL UNIT	ST	AT&T TRADEMARK FOR FIBER OPTIC CONNECTION
PROT BLK	PROTECTION BLOCK	REV	REVISION	SCVWD	SANTA CLARA VALLEY WATER DISTRICT	SRA	SELF RETAINING AREA
PRVC	POINT OF REVERSE VERTICAL CURVE	REX	REQUEST TO EXIT	SCW	SINGLE CONTACT WIRE	SS	SUBSTATION, SPIRAL, SANITARY SEWER POINT OF CHANGE FROM SPIRAL TO ANOTHER STANDARD SCREW PIPE, STAINLESS STEEL
PS	POINT OF SERVICE, POINT OF SWITCH, PRESTRESS, PICO SECOND	RF	RADIO FREQUENCY	SD	STORM DRAIN	S&S	SATURDAY & SUNDAY
P.S.	POWER SUPPLY	RGS	RIGID GALVANIZED STEEL	S/D	SPLITTER DAMPER	SSBM	STRAP AND SADDLE BRACKET METHOD
P/S	PRESTRESS	RGU	RING GENERATED UNIT	SDCB	STORM DRAIN CATCH BASIN	SSC	SPIRAL TO SPIRAL AT CURVE POINT
P&S	POWER AND SUPPORT	RH	RIGHT HAND	SDE	STORM DRAIN EASEMENT	SSD	SEE STRUCTURAL DRAWINGS
PSDE	PRIVATE STORM DRAIN EASEMENT	RH CURVE	TRACK CURVES TO THE RIGHT IN THE DIRECTION OF INCREASING STATIONING	SDMH	STORM DRAIN MANHOLE	SSE	SANITARY SEWER EASEMENT
PSE	PUBLIC SERVICE EASEMENT	RIM	RIM ELEVATION	SDT	SMOKE DETECTION	SSFH	STAINLESS STEEL FLAT HEAD
PS/L	PROTECTOR SHELF/BLOCK	RL	REFERENCE LINE	SE	SOUTHEAST	SSMH	SANITARY SEWER MANHOLE
PSTN	PUBLIC SWITCHED TELEPHONE NETWORK	RLL	RAIN LEADER	SEC	SECONDARY, SECOND	SST	SPIRAL TO SPIRAL AT TANGENT POINT
PSUE	PUBLIC SERVICE UTILITY EASEMENT	RM	ROOM	SECT	SECTION	ST	STREET, POINT OF CHANGE FROM SPIRAL TO TANGENT, STAIRS
PT	POINT, POINT OF TANGENCY, PETROLEUM PRODUCTS (Fuel, oil)	RO	REAR OPENING, ROUGH OPENING	SEL	SELECT, SELECT AUDIO	STA	STATION
PTB	PROTECTED TERMINAL BLOCK	ROM	READ ONLY MEMORY	SERV	SERVICE	STBY	STANDBY
PTT	PACIFIC TELEPHONE AND TELEGRAPH, PUSH TO TALK	ROW	RIGHT-OF-WAY	SEW	SEWER	STD	STANDARD
PTFE	POLYTETRAFLUOROETHYLENE	RPM	REVOLUTIONS PER MINUTE	SF	SQUARE FEET, TRAFFIC SIGNAL FOUNDATION	STL	STEEL
PTTE	PACIFIC TELEPHONE AND TELEGRAPH EASEMENT	RPTR	REPEATER	SFP	SMALL FORM FACTOR PLUGGABLE TRANSCEIVER	STP	SHIELDED TWISTED PAIR
PTZ	PLAN, TILT AND ZOOM	RR	RAILROAD	SG	STANDARD BLACK (Galvanized Coating)	STR	STRANDED, STRUCTURAL
PUZ	PEDESTRIAN UNDERCROSSING	RS	RIVETED STEEL PIPE	SH	SHELF, SIGNAL HOUSE	STRUCT	STRUCTURE, STRUCTURAL
PUD	PERFORATED UNDERDRAIN	RS-232	ELECTRICAL STANDARD FOR BALANCED VOLTAGE DIGITAL CIRCUITS	SHD	SHOWER DRAIN	STW	SPECIAL TRACKWORK
PUE	PUBLIC UTILITY EASEMENT	RS-422	ELECTRICAL STANDARD FOR BALANCED VOLTAGE DIGITAL CIRCUITS	SHLD	SHOULDER	SUB FL	SUB-FLOOR
PVC	POINT OF VERTICAL CURVE	RS-485	STANDARD FOR DATA COMMUNICATIONS OVER MULTI-POINT CIRCUITS	SHR	SHEAR	SUSP	SUSPENDED
PVC	POLYVINYL CHLORIDE	RS-488	STANDARD FOR DATA COMMUNICATION EQUIPMENT	SHT	SHEET	SVC	SERVICE
PVI	POINT OF VERTICAL INTERSECTION	RS-530	MECHANICAL/ELECTRICAL INTERFACE FOR BALANCED VOLTAGE DIGITAL CIRCUITS	SHT'G	SHEATHING	SYM	SYMMETRICAL
PVMT	PAVEMENT	RSVD	RESERVED	SHWR	SHOWER	SW	SIDEWALK, SOUTHWEST, SWITCH
PVT	POINT OF VERTICAL TANGENCY	RT, Rt	RIGHT	SI	SECTION INSULATOR, SHEET IRON PIPE	S/W	SOFTWARE
P&W	POWER & WAY	RTE	ROUTE	S&I	SERVICE AND INSPECTION	SVR	SERVER
PWR	POWER	RTR	ROUTER	SIC	SIGNAL INTERCONNECT CABLE (PROPOSED)	SWAT	SINGLE WIRE AUTO TENSIONED
Q		RTU	REPORT TERMINAL UNIT, REMOTE TERMINAL UNIT	SICE	SIGNAL INTERCONNECT CABLE (EXISTING)	SWGR	SWITCHGEAR
QTY	QUANTITY			SID'G	SIDING	SYM	SYMMETRICAL
				SM	SINGLE MODE, SINGLE MODE FIBER	SYNCH	SYNCHRONIZER, SYNCHRONIZATION
				SIG	SIGNAL, WAYSIDE COLOR LIGHT SIGNAL	SYS	SYSTEM

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SUBMITTED: A. Hernandez
 DESIGNED: C. Chi
 CHECKED: M. Cosentino
 DRAWN: A. Hernandez
 CADD FILE NAME: 801GN022.dwg

Santa Clara Valley
 Transportation
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APPROVED: [Signature]
 CADD FILE DATE: 03/06/20
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EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 GENERAL
 ABBREVIATIONS - 4

SHEET OF: GN022
 REVISION: C

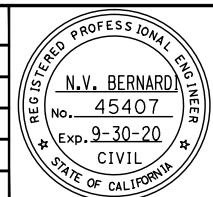
PCA NO.: 000
 CONTRACT NO.: C801
 FILE LOCATION: PROJECTWISE

ABBREVIATIONS LIST

I		TWP	TWISTED PAIR	<u>W</u>	
T	TEMPERATURE SWITCH (THERMOSTAT), TOP, TIP, THREAD, TREAD, TRANSMIT	TWR	TOWER	W	WATER, WATTS, WEST, WIDE, WIDTH
T1	TIP 1 OR T1 CARRIER	TYP	TYPICAL	WSE	WATER SERVICE EASEMENT
T2	TIP 2	TX	TRANSMIT	WT	WATER TRANSMISSION, WIDTH
TA	TRUNK AMPLIFIER	T3	TRACK DESIGNATION FOR THE TAIL TRACK AT EASTRIDGE STATION	WV	WATER VALVE
TB	TOP OF BARRIER, TERMINAL BOARD OR BLOCK			WW	WING WALL, WIRE WAY
T&B	TOP & BOTTOM	<u>U</u>		WWF	WELDED WIRE FABRIC
TBD	TO BE DETERMINED	U	UNBALANCED SUPER-ELEVATION	WWLOL	WINGWALL LAYOUT LINE
TBR	TO BE REMOVED	UBC	UNIFORM BUILDING CODE	W/	WITH
T/C	TRAIN CONTROL	UC	UNDER CROSSING	WAN	WIDE AREA NETWORK
TC	TOP OF CURB, TRAFFIC CONTROLLER	UD	UNDERDRAIN	WAO	WORK AREA OUTLET
TCC	TRAIN CONTROLLER	UE	UTILITY EASEMENT	WB	WESTBOUND
TCE	TEMPORARY CONSTRUCTION EASEMENT	UG	UNDERGROUND	WBO	WORK BY OTHERS
TCH	TRAIN CONTROL HOUSE	UH	UNIT HEATER	WC	WATER CLOSET
TCP/IP	TRANSMISSION CONTROL PROTOCOL/INTERNET PROTOCOL	UHF	ULTRA HIGH FREQUENCY	WCDR	WALL CLEANOUT
TCR	TRAIN CONTROL ROOM	UL	UNDERWRITERS LABORATORIES	WCE	WIRE CLEARANCE EASEMENT
TDA	TIRE DERIVED AGGREGATE	UMC	UNIFORM MECHANICAL CODE	WD	WOOD
TDH	TOTAL DYNAMIC HEAD	UNSEL	UNSELECT AUDIO	WDW	WINDOW
TDS	TRANSLINK DATA SERVER (NOW CLIPPER)	UNFIN	UNFINISHED	WG	WAVE GUIDE
TE	TREE EASEMENT	UNK	UNKNOWN	WH	WATER HEATER, WEEP HOLE
TEL	TELEPHONE	UNO	UNLESS NOTED OTHERWISE	WHA	WATER HAMMER ARRESTER
TEMP	TEMPERATURE, TEMPORARY	UON	UNLESS OTHERWISE NOTED	WI	WROUGHT IRON PIPE
TERM	TERMINAL	UP	UNDERPASS	WL	WATER LINE
TES	TRACTION ELECTRIFICATION SYSTEM	UPRR	UNION PACIFIC RAILROAD	WM	WATER METER
TG	TOP OF GRATE	UPS	UNINTERRUPTIBLE POWER SUPPLY	WO	WASTE OIL
T&G	TONGUE AND GROOVE	UR	URINAL	W/O	WEST OF, WITHOUT
TH	TOP OF HEADER	U/S	UNDERSIDE	WP	WEATHER PROOF, WORK POINT
THEO	THEORETICAL	UTP	UNSHIELDED TWISTED PAIN	WS	WRAPPED STEEL PIPE, WEATHER STRIPPING, WOOD SCREW
THK	THICK			W/S	WORKSTATION
THRU	THROUGH	<u>V</u>		WSCL	WRAPPED STEEL PIPE CONCRETE LINED
THWN	THERMOPLASTIC HIGH WATER-RESISTANT NYLON COATED	V	VALVE, VELOCITY, VERTICAL, VOLTS	<u>X</u>	
TL	TOE LENGTH OF FROG, TRAFFIC LOOP	VA	VOLT-AMPERE	XC	CROSSING CASE
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR	VAC	VOLT ALTERNATING CURRENT	XCONN	CROSS CONNECT
TO.	TURNOUT, TOP OF	VAR	VARIES	XFMR	TRANSFORMER
TOB	TOP OF BANK	VC	VERTICAL CURVE	XH	CROSSING HOUSE
TOC	TOP OF CONCRETE, TOP OF CURB	VCP	VITRIFIED CLAY PIPE	XING	HIGHWAY GRADE CROSSING
TOM	TOP OF MANHOLE	VCT	VINYL COMPOSITION TILE	X-ING	CROSSING
TOP	TOP OF PLATE	VD	VOLUME DAMPER	XMTR	TRANSMITTER
TOPO	TOPOGRAPHY	VDA	VIDEO DISTRIBUTION AMPLIFIER	X-OVER	CROSSOVER
TOT	TOTAL	VDC	VOLTS DIRECT CURRENT	X/O	CROSSOVER
TOR,T/R	TOP OF RAIL	VDT	VIDEO DISPLAY TERMINAL		
TP	TOP OF PAVEMENT	VDU	VIDEO DISPLAY UNIT	<u>Y</u>	
TPB	TELEPHONE PULL BOX	VENT	VENTILATION	YD	YARD
TPD	TOILET PAPER DISPENSER	VERT	VERTICAL	YMF	YOUNGER MAINTENANCE FACILITY
TPSS	TRACTION POWER SUBSTATION	VEST	VESTIBULE		
TR	TO REMAIN	VF	VOICE FREQUENCY	<u>MISC</u>	
TRANS	TRANSMISSION	VHLC	VITAL HARMON LOGIC CONTROLLER	2W	2 WIRE
TRK	TRACK	VIC	VEHICLE INFORMATION CLERK	4W	4 WIRE
TS	POINT OF CHANGE FROM TANGENT TO SPIRAL, TRAFFIC SIGNAL, TUBE STEEL	VIF	VERIFY IN FIELD	@	AT
TSP	TUBULAR STEEL POLE	VIT	VITREOUS	&	AND
TT	TRANSITION TAPER, TELEPHONE TRUNK & TOLL, TRANSFER TRIP	VM	VOLTMETER	Δd	CENTRAL ANGLE OF CIRCULAR CURVE OF LENGTH Lc
TTRIP	TRANSFER TRIP	VMB	VISUAL MESSAGE BOARD	∠	CURVE ANGLE
TV	TELEVISION	VOIP	VOICE OVER INTERNET PROTOCOL	∠s	CENTRAL ANGLE OF SPIRAL ARC Ls
TVM	TICKET VENDING MACHINE	VP	VITAL PROCESSOR (SIGNALS)	∅	DIAMETER
TW	TOP OF WALL, TRAVELED WAY	VPI	VITAL PROCESSOR INTERLOCKING, VITAL PROCESSOR INTERFACE	#	NUMBER POUNDS
T/W	TOP OF WALL	VSF	SCREW-IN TYPE PROTECTED TERMINAL BLOCK	.	DEGREES
TWC	TRAIN TO WAYSIDE COMMUNICATION	VTA	VALLEY TRANSPORTATION AUTHORITY		
TWL	TRAIN TO WAYSIDE LOOP				

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: C. Chi
CHECKED: M. Cosentino

DRAWN: A. Hernandez
CADD FILE NAME: 801GN023.dwg



APPROVED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 03/06/20
SCALE: NTS

SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

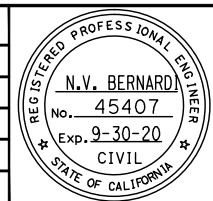
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT GENERAL ABBREVIATIONS - 5			SHEET OF DRAWING NO. GN023 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

LEGEND

	ABANDONED SYSTEM		GAS TRANSMISSION		STREET LIGHT
	BARRIER RAIL		GRADED DITCH		SANITARY SEWER
	BY OTHER DISCIPLINES		GRINDLINE		SAWCUT LINE
	CABLE TV		GUARD RAIL		STORM DRAIN SYSTEM
	CABLE TV SYSTEM		HEADER WALL WITH CL RAILING		TEMPORARY CONSTRUCTION EASEMENT
	CHAIN LINK FENCE		INDEX CONTOUR		TEMPORARY FENCE
	COLD JOINT		IRRIGATION SYSTEM		TRAFFIC BARRIER (E)
	COMMUNICATION CONDUIT CONCEALED		JOINT TRENCH, EXISTING		CONDUIT, TELEPHONE EXISTING
	CONDUIT, TRAFFIC SIGNAL INTERCONNECT		JOINT TRENCH		CONDUIT, TELEPHONE
	CONDUITS BY OTHERS OR EXISTING		K-RAIL		CONCRETE BARRIER
	CONCRETE DITCH		LIQUID FUEL SYSTEM		TYPE II PEDESTRIAN BARRICADE
	CONCRETE HEADER		LOT LINE / PROPERTY LINE		UNDERDRAIN
	CONCRETE PROTECTION		LOW BARRIER FENCE		CONDUIT, UNDERGROUND AS NOTED IN THE PLANS
	CONDUIT RUN		MEDIAN FENCE		UTILITY PIPELINE VALVE
	CS TROUGH		NATURAL GAS SYSTEM		WATER LINE
	CSD (COMBINED SYSTEM DUCT) - CONCRETE ENCASED		NEW		
	CSD REINFORCED CONCRETE ENCASED		NEW COPPER WIRE/CAT 6		
	CONDUIT RUN, CSJ		NEW FIBER OPTIC CABLE		
	CURB		NEW FIBER OPTIC CABLE		
	CURB & GUTTER		OVERHEAD UTILITY		
	DRAINAGE DITCH (UNLINED)		OVERHEAD CABLE TV		
	EASEMENT		OVERHEAD CABLE TV, TELEPHONE		
	ELECTRICAL		OVERHEAD ELECTRIC		
	ELECTRICAL SYSTEM		OVERHEAD ELECTRIC, CABLE TV		
	ELECTRIC TRANSMISSION		OVERHEAD ELECTRIC CABLE TV, TELEPHONE		
	CSD, EXISTING		OVERHEAD ELECTRIC, TELEPHONE		
	ELECTRICAL SERVICE CONCEALED		OVERHEAD ELECTRIC TRANSMISSION		
	EXISTING		OVERHEAD TELEPHONE		
	EXISTING COPPER WIRE/CAT 6		OVERLAND FLOW DIRECTION		
	EXISTING FIBER OPTIC CABLE		PERIMETER FENCE		
	EXISTING TO BE REMOVED		POWER CONDUIT CONCEALED		
	EXISTING ABANDONED SYSTEM		RACEWAY CONCEALED IN FLOOR, WALL, CEILING OR BELOW GRADE		
	EXISTING CONDUIT		REMOVE EXISTING CL FENCE		
	EXISTING EQUIPMENT TO BE REMOVED		REMOVE EXISTING CURB AND GUTTER		
	CONDUIT RUN, EXISTING CSJ		REMOVE EXISTING CURB/HEADER		
	EXISTING EASEMENT		REMOVED SYSTEM		
	EXISTING REMOVED SYSTEM		RETAINING WALL (LOL)		
	EXISTING RIGHT OF WAY		RETAINING WALL (E)		
	EXISTING STORM DRAIN SYSTEM		RIGHT OF WAY		
	EXISTING TRAFFIC SIGNAL CONDUIT		SANITARY SEWER SYSTEM		
	EXPANSION JOINT		SCORE JOINT		
	FENCE		SJ TYPE IV BARRIER		
	FIBER ROLLS		STAINLESS STEEL STRIP		
	FLEXIBLE CONDUIT		STORM DRAIN		
	GAS DISTRIBUTION		STORM DRAIN		

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A	06/18	35% SUBMITTAL SET



SUBMITTED

BkF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: C. Chi
CHECKED: M. Cosentino

DRAWN: A. Hernandez
CADD FILE NAME: 801GN024.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

BkF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 03/06/20
SCALE: NTS





















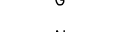





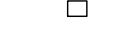
















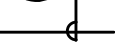


















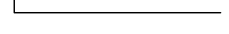


















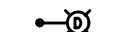































SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GENERAL
LEGEND - 1

PCA NO.: 000
CONTRACT NO.: C801
FILE LOCATION: PROJECTWISE

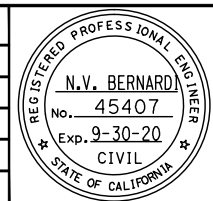
SHEET OF: GN024
DRAWING NO.: GN024
REVISION: C

LEGEND

                                       	<p>15+00 ELECTROLIER LOCATED AT STATION NUMBER</p> <p>"A"-2 PANEL "A" CIRCUIT 2</p> <p>3-PHASE FUSE ISOLATOR</p> <p>3-PHASE THERMAL OVERLOAD</p> <p>16" AC (FULL DEPTH) (TYPE A)</p> <p>10" AC (TYPE A) & 375 mm AB CL 3</p> <p>14" AC (FULL DEPTH) (TYPE A)</p> <p>AC PAVEMENT STRUCTURAL SECTION. (SEE TYPICAL ROADWAY SECTIONS)</p> <p>ABANDON IF APPLIED TO CONDUIT REMOVE CONDUCTORS</p> <p>ADVANCED PROCESSING CONTROLLER</p> <p>ALIGN</p> <p>AMMETER</p> <p>AMMETER SWITCH</p> <p>AUXILIARY SWITCH</p> <p>BATTERY</p> <p>BATTERY LIGHTING UNIT (EMERGENCY) AT +96 AFF</p> <p>BENCH TYPE 1</p> <p>BENCH TYPE 2A</p> <p>BENCH TYPE 2B</p> <p>BENCH TYPE 2C</p> <p>BIKE LOCKERS</p> <p>BIKE RACKS</p> <p>BOLLARD</p> <p>GROUND BUS</p> <p>NEUTRAL BUS</p> <p>CABLE TERMINATION</p> <p>CATHODIC PROTECTION</p> <p>CANTILEVER MAST ARM</p> <p>CANTILEVER MAST ARM (E)</p> <p>CATCH BASIN</p> <p>CATCH BASIN (E)</p> <p>CCTV CAMERA LOCATION (NIC)</p> <p>CCTV CAMERA</p> <p>CCTV CAMERA WITH PAN TILT ZOOM</p> <p>CIRCUIT BREAKER</p> <p>(RATING & No. OF POLES AS INDICATED)</p> <p>CENTER POINT</p> <p>CITY OF SAN JOSE FLAT GRATE INLET</p> <p>CITY OF SAN JOSE HOODED INLET</p> <p>CITY OF SAN JOSE MANHOLE</p> <p>CIRCUIT BREAKER</p>	                    <p>TE-XXX-PB</p>   <p>CS-XXX-PB</p>             	<p>CLEANOUT</p> <p>COMMUNICATION SYSTEM PULL BOX OR MANHOLE - SEE ADJACENT SYMBOL FOR TYPE - (TYPE 'C' SHOWN)</p> <p>CONDUIT IDENTIFICATION. NUMBER DENOTES CONDUIT NUMBER</p> <p>CONDUIT RISER</p> <p>EXISTING CONDUIT RISER</p> <p>CONDUIT RUN NUMBER</p> <p>CONDUIT TERMINATION</p> <p>CONDUIT TURNED DOWN</p> <p>CONDUIT TURNED UP AND CAPPED</p> <p>CONCRETE PULLBOX, STATE #3 1/2 UON</p> <p>CONDUIT RISER</p> <p>CONDUIT TURNED-UP</p> <p>CONNECT NEW & EXIST CONDUIT. REMOVE CONDUCTORS AS INDICATED</p> <p>INSTALL CONDUIT INTO EXIST PULL BOX</p> <p>INSTALL PULL BOX IN EXIST CONDUIT</p> <p>CONSTRUCTION NOTE NUMBER</p> <p>CLASS 'T' PULL OUT</p> <p>CREEK</p> <p>PULL BOX, CS POWER</p> <p>PULL BOX, TE INDICATES TRACTION ELECTRIFICATION XXX INDICATES PULL BOX No.</p> <p>PULL BOX, CS COMMUNICATIONS</p> <p>CS INDICATES COMMUNICATION & SIGNAL PULL BOX XXX INDICATES PULL BOX No.</p> <p>PULL BOX, CSJ #3 1/2 UON</p> <p>CURB RETURN IDENTIFICATION LETTER</p> <p>DRIVEWAY</p> <p>INDICATES SECTION A OR DETAIL No. 1 DWG No. XXXXX (WHERE INDICATED OR SHOWN)</p> <p>DEMAND METER</p> <p>PROPOSED EMERGENCY VEHICLE PRE-EMPTION</p> <p>DETECTOR INSTALLED ON SIGNAL HEAD</p> <p>DIRECTION OF FLOW</p> <p>DIRECTION OF FLOW</p> <p>DRAINAGE SYSTEM No./ SANITARY SEWER SYSTEM No.</p> <p>DRAINAGE UNIT No.</p> <p>DRAINAGE INLET ON STRUCTURE</p>	                                     	<p>ELECTRIC HANDHOLE</p> <p>ELECTRIC MANHOLE</p> <p>ELECTRIC SWITCH BOX</p> <p>ELECTROLIER, EASTRIDGE LOOP ROAD</p> <p>ELECTROLIER</p> <p>ELECTROLIER, EXISTING</p> <p>ELECTROLIER, DOUBLE</p> <p>ELECTROLIER WITH (1) LIGHT FIXTURE</p> <p>ELECTROLIER WITH (1) LIGHT FIXTURE</p> <p>ELECTROLIER WITH (2) LIGHT FIXTURES</p> <p>ELECTRICAL EQUIPMENT</p> <p>ELECTRICAL MANHOLE</p> <p>ELECTRICAL PULL BOX</p> <p>EQUIPMENT TO BE REMOVED AND BECOME PROPERTY OF THE CONTRACTOR</p> <p>PULL BOX, EXISTING CSJ #3 1/2 UON</p> <p>ELECTROLIER, EXISTING</p> <p>ELECTROLIER, EXISTING WITH (1) LIGHT FIXTURE</p> <p>ELECTROLIER, EXISTING WITH (2) LIGHT FIXTURES</p> <p>ELECTROLIER, EXISTING WITH (2) LIGHT FIXTURES</p> <p>EMERGENCY INFO PHONE</p> <p>EXISTING SIGN TO REMAIN</p> <p>EXISTING STORM DRAIN MANHOLE</p> <p>EXISTING STORM DRAIN INLET</p> <p>EXISTING STORM DRAIN FIELD INLET</p> <p>EXISTING SYSTEM TO BE ABANDONED</p> <p>EXISTING SYSTEM TO BE REMOVED</p> <p>EXOTHERMIC CONNECTION</p> <p>EXOTHERMIC WELD</p> <p>PULLBOX, FIBER OPTIC NOMINAL INSIDE DIMENSIONS: 430 x 760 x 600 D</p> <p>PULLBOX, FIBER OPTIC WITH SPACE FOR SPLICE NOMINAL INSIDE DIMENSIONS: 760 x 1140 x 600 D</p> <p>FLAGPOLE</p> <p>FLOAT SWITCH</p> <p>FLOOD LIGHT</p> <p>FLOODLIGHT, ARROWS INDICATE DIRECTION OF BEAM</p> <p>FUSE</p> <p>FUSIBLE SWITCH</p> <p>GAS DETECTOR SENSOR</p> <p>GROUND</p>
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HERN Jun 29, 2020 - 6:28pm C:\cadd\lib\p\chermendez\west\mns\8389\801GN025.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: C. Chi
CHECKED: M. Cosentino
DRAWN: A. Hernandez
CADD FILE NAME: 801GN025.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 03/06/20
SCALE: NTS
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GENERAL
LEGEND - 2

PCA NO.: 000 CONTRACT NO.: C801 FILE LOCATION: PROJECTWISE

SHEET OF: GN025
DRAWING NO.: GN025
REVISION: C

LEGEND

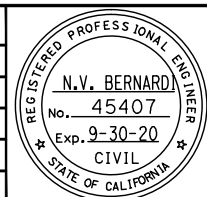
	GROUND GRID
	GROUND PIGTAIL
	GROUND ROD
	GROUND ROD EXOTHERMICALLY WELDED
	GROUND ROD IN GROUND BOX
	GROUND ROD IN TEST WELL
	GROUND WELL
	GUIDEWAY COLUMN
	HANDHOLE
	HAND-OFF-AUTO SELECTOR SWITCH
	HAND RAIL LIGHT
	HIGH-INTENSITY DISCHARGE OR INCANDESCENT LAMP FIXTURE (SUBSCRIPT "X" DENOTES FIXTURE TYPE)
	HID FIXTURE (SUBSCRIPT "X" DENOTES FIXTURE TYPE)
	HOLDING AREA BOLLARD LIGHT
	HOME RUN
	HOMERUN CONDUIT
	HORIZONTAL CONTROL
	HORIZONTAL & VERTICAL CONTROL
	HYDRANT
	HYDRANT (E)
	TEMPORARY TERMINAL BOX
	INDICATION LIGHT (A = AMBER)
	INLET PROTECTION
	INSTALL NEW SIGN
	INVERTER
	JAGGED RIP-RAP PAVING
	JUNCTION BOX
	JUNCTION BOX IN ACCESSIBLE LOCATION
	BLANKED JUNCTION BOX
	WALL-MOUNTED JUNCTION BOX
	KEY NOTES
	KILOWATT-HOUR METER
	LAYOUT POINT OF BEGINNING
	LIGHT FIXTURE TAG
	LIGHT POLE
	LIGHTING HANDHOLE
	LIQUID FUEL VALVE
	LIQ FUEL VALVE BOX

	EXIT LIGHT (CEILING- OR SURFACE-MOUNTED). PROVIDE DIRECTIONAL ARROWS AND SINGLE OR DOUBLE SIGN FACE AS SHOWN ON DRAWING. (SOLID INDICATES SIGN FACING, ARROWS INDICATE DIRECTION)
	PARKING LOT LIGHT
	PEDESTRIAN LIGHT
	LIGHTING ARRESTER
	LIGHTNING GRID
	LIGHT FIXTURE, FLUORESCENT SURFACE OR PENDANT-MOUNT (SUBSCRIPT "X" DENOTES FIXTURE TYPE)
	LOOP-C
	LOOP-5Q
	DOUBLE LUMINAIRE, POLE MOUNTED
	POLE MOUNTED LUMINAIRE
	LOOP, DETECTOR, INDUCTIVE
	LOOP DETECTOR, LRT ADVANCE
	LOOP DETECTOR, LRT RELEASE
	LRT SIGNAL/IDS CAMERA POLE FOUNDATION
	MANHOLE
	METALLIC WATER PIPE GROUND
	MICROPHONE/PA SPEAKER
	MOTOR
	MOTOR
	MOTOR SWITCH
	MOTOR WITH INTEGRAL DISCONNECT SWITCH
	MOTOR X- SIZE INDICATED
	NORMAL & EMERGENCY POWER PANEL
	NATURAL GAS VALVE
	NAT GAS VALVE BOX
	NORMALLY OPEN CONTACT
	NORMALLY CLOSED OPEN CONTACT
	OPERATING COIL
	PACKAGE CONTROLLER/FURNISHED WITH MECHANICAL EQUIPMENT UNO
	PANEL BOARD
	FAN CONTROL PANEL
	MOTOR CONTROL PANEL
	REFRIGERATION CONTROL PANEL
	VENTILATION CONTROL PANEL
	DISTRIBUTION PANEL
	BRANCH CIRCUIT PANELBOARD (277/480V)

	BRANCH CIRCUIT PANELBOARD (120/208V OR 120/240V)
	PEDESTRIAN BARRICADE
	PEDESTRIAN SIGNAL
	PHASE FAILURE RELAY IN 3-PHASE SYSTEM
	PHOTO CENTER
	PHOTOELECTRIC CELL
	PHOTOELECTRIC CELL ON ROOF, AIM NORTH
	PIPE ELBOW
	PIPE VAULT
	WORKING POINT, POINT OF MINIMUM VERTICAL CLEARANCE
	POLE
	POWER POLE
	POWER POLE (E)
	POST
	TELEPHONE STANCHION
	PULL BOX
	PULL BOX
	PULL BOX (E)
	PULL BOX, # 3 1/2, UNO
	PULL BOX/MANHOLE TYPE (TYPE 'D' SHOWN)
	PULL BOX, POWER SYSTEM OR MANHOLE - SEE ADJACENT SYMBOL FOR TYPE - (TYPE 'P' SHOWN)
	NEWSPAPER STAND
	RACEWAY DOWN
	RACEWAY EXPOSED
	RACEWAY UP
	RECEPTACLE, WALL-MOUNTED DUPLEX AFF UNO NEMA 5-20R
	RECEPTACLE, DOUBLE DUPLEX AT +380 AFF UNO NEMA 5-20R
	RECEPTACLE, SPECIAL PURPOSE (30 AMP 2 POLE OR AS NOTED)
	RECESSED CEILING LIGHT
	RECTIFIER
	REDUCER
	RELOCATE EXISTING SIGN
	REMOVE AND BECOME PROPERTY OF THE CONTRACTOR
	REMOVE AND SALVAGE EQUIPMENT
	REMOVE EXISTING SIGN
	RR SIGNAL
	RR SWITCH
	RR SWITCH BOX
	SANITARY SEWER ITEM
	SANITARY SEWER ITEM

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED

BkF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: C. Chi
CHECKED: M. Cosentino

DRAWN: A. Hernandez
CADD FILE NAME: 801GN026.dwg

Santa Clara Valley Transportation Authority

APPROVED

BkF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 03/06/20
SCALE: NTS

SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GENERAL
LEGEND - 3

PCA NO.: 000
CONTRACT NO.: C801
FILE LOCATION: PROJECTWISE

SHEET OF: GN026
REVISION: C

LEGEND

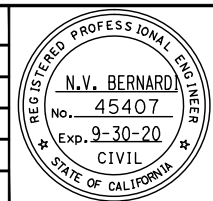
- SECTION A OR DETAIL No. 1
DWG No. XXXXX (WHERE INDICATED OR SHOWN)
- SECTION CORNER
- SECURITY LIGHTING FIXTURE (SUBSCRIPT "X"
DENOTES FIXTURE TYPE)
- SEWER CLEANOUT/FLUSHING INLET
- SHEET NOTE REFERENCE
- SIGN
- ILLUMINATED SIGN
- SIGNAL POLE
- PROPOSED SIGNAL
- EXISTING SIGNAL
- REMOVE, SALVAGE OR RELOCATE
- LRT SIGNAL W/BACKPLATE
- SIGNAL LIGHT, FLASHING OR NON-FLASHING
- SINGLE LUMINAIRE, POLE MOUNTED
- SINGLE LUMINAIRE, POLE MOUNTED WITH PA SPEAKERS
- SINGLE LUMINAIRE, POLE MOUNTED WITH PA SPEAKERS AND VMB
- SINGLE LUMINAIRE, PEDESTAL MOUNTED
- SINGLE POLE TOGGLE SWITCH
- SOFFIT LIGHT FIXTURE
- SPLICE
- SOFFIT LUMINAIRE
- EXISTING SOFFIT LUMINAIRE
- SPLICE NEW TO EXISTING CONDUCTORS
- SPRINKLER HEAD
- COMBINATION STARTER - MOTOR AT AFF TO TOP
- MAGNETIC 2- OR 3- POLE MOTOR STARTER,
SUBSCRIPT INDICATES NEMA SIZE
- COMBINATION MAGNETIC MOTOR STARTER, WITH
MOTOR CIRCUIT PROTECTOR. SUBSCRIPT INDICATES NEMA SIZE
- STREET LIGHTS
- STRIPING DETAIL NUMBER PER CALTRANS
JULY 2004 STANDARD PLANS
- SURFACE MOUNTED FLUORESCENT LIGHT
- SURGE ARRESTOR, 3-PHASE
- SINGLE POLE SWITCH AT AFF
- 3 WAY SWITCH AT AFF
- MANUAL MOTOR STARTER SWITCH
- THERMAL OVERLOAD SWITCH
- DISCONNECT SWITCH
- STORM DRAIN MANHOLE

- DISCONNECT SWITCH (PLAN)
- FUSED DISCONNECT SWITCH:
SUBSCRIPT INDICATES:
SWITCH RATING (AMPERES)
NUMBER OR POLES
WP = WEATHERPROOF (NEMA-3R)
- NON-FUSED DISCONNECT SWITCH:
SUBSCRIPT INDICATES:
SWITCH RATING (AMPERES)
NF = NON-FUSED
WP = WEATHERPROOF (NEMA-3R)
- TELEPHONE OUTLET
- TELEPHONE HANDHOLE
- TELEPHONE MANHOLE
- TELEPHONE POLE
- TEMPORARY BUS STOP
- TDS POLE DOWN GUY
- TDS POLE FOUNDATION
- THERMOSTAT
- TRACK ALIGNMENT CURVE IDENTIFICATION No.
- TRANSFORMER
- TRANSFORMER - DELTA WINDINGS
- TRANSFORMER - WYE WINDINGS
- CURRENT TRANSFORMER
- POWER TRANSFORMER (PLAN)
- POTENTIAL TRANSFORMER
- TRAFFIC SIGNAL (E)
- TRAFFIC SIGNAL, ARROW W/BACKPLATE
- TRAFFIC SIGNAL CONTROLLER CABINET W/DOOR SWING
- TRAFFIC SIGNAL W/ARM & POLE (E)
- TRAFFIC SIGNAL W/BACKPLATE & ELECTROLIER
- TRAFFIC SIGNAL WITH BACKPLATE
- TRAFFIC SIGNAL EXTENDED
- TEMPORARY TRAFFIC STRIPE
- TRANSMISSION TOWER
- TRASH RECEPTACLE
- TREE GRATE WITH TREE GUARD
- TREE TO REMAIN
- TREE TO BE REMOVED
- TREES & BRUSH

- TUBULAR STEEL POLE
- TVM
- TV MANHOLE
- TV HANDHOLE
- TV BOX
- TYPE I PEDESTRIAN BARRICADE
- TYPE III OR III M SERVICE CABINET W/DOOR SWING
- TYPICAL DUCTBANK CROSS SECTION CALL OUT
- UNDERGROUND CONDUIT DUCT (INDICATE TYPE, SIZE
AND NUMBER OF CONDUITS BY CROSS SECTION
IDENTIFICATION OF EACH RUN, OR BY NOTATION)
- UP, DOWN OR UP/DOWN WALL LIGHT
- UTILITY
- UTILITY BOX
- UTILITY BOX
- UTILITY BOX (E)
- UTILITY MANHOLE
- UTILITY VAULT
- VERTICAL CONTROL
- VOLTMETER
- VOLTMETER SWITCH
- WALL MOUNTED FLUORESCENT LIGHT
- WATER METER
- WATER VALVE
- WATER VALVE BOX
- WATTMETER
- WATT HOUR METER
- WIND TURBINE
- INDICATES CALTRANS STANDARD PLAN SHEET No.
- INDICATES DETAIL No.
- INDICATES SECTION No.
- INDICATES DRAWING No. SHOWN ON
- INDICATES DETAIL No.
- INDICATES DRAWING No. SHOWN ON

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: C. Chi
CHECKED: M. Cosentino
DRAWN: A. Hernandez
CADD FILE NAME: 801GN027.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 03/06/20
SCALE: NTS
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT GENERAL LEGEND - 4			SHEET OF DRAWING NO. GN027 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

NOTES:

1. HORIZONTAL AND VERTICAL DATUM PER SANTA CLARA VALLEY TRANSPORTATION AUTHORITY CAPITOL EXTENSION LIGHT RAIL PROJECT CONTROL REPORT CREATED BY HMH ENGINEERS, DATED JANUARY 24, 2017.
2. THE FINAL COORDINATES, BASED ON NAD83. EPOCH 1991.35 ARE LISTED IN U.S. SURVEY FEET ON THE CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE 3.
3. THE ELEVATIONS, BASED ON NAVD88. ARE ALSO PRESENTED IN U.S. SURVEY FEET.
4. THE COMBINED SCALED FACTOR IS 0.99995410. MULTIPLY BY 1.0000459 TO OBTAIN GROUND DISTANCES.
5. SEE SANTA CLARA VALLEY TRANSPORTATION AUTHORITY CAPITOL EXTENSION LIGHT RAIL PROJECT CONTROL REPORT. CREATED BY HMH ENGINEERS, DATED JANUARY 24, 2017.

LEGEND:

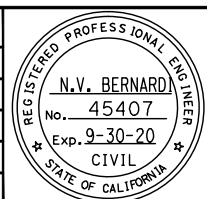
- SURVEY CONTROL POINT

Point #	Northing	Easting	Elev	Description	Stationing
18	1954703.89	6174996.29	116.27	FD VTA ALUM DISK "18" AT CAPITOL EXPRWY & CAPITOL AVE IN WALK AT +/- CENTER OF CAPITOL AVE AT N SIDE OF HIGHWOOD DR	"SB" 974+85.80 12.71' Rt
41	1955228.15	6174671.61	114.49	FD VTA ALUM CAP "41" IN W WALK CAPITOL AT SW CORNER OF LOMBARD & CAPITOL	"SB" 968+68.89 43.89' Rt
341	1955616.43	6174593.39	115.63	FD VTA ALUM CAP "341" IN NE CURB RETURN CAPITOL AVE AT WILBUR AVE, +/- 18' FROM ECR	"SB" 964+90.65 79.26' Lt
342	1954836.24	6174890.20	114.82	FD VTA ALUM CAP "342" IN W CURB CAPITOL AVE N OF HIGHWOOD DR +/- 34' S OF BC OF CURB	"SB" 973+19.28 41.93' Rt
344	1953426.40	6175648.45	115.28	FD VTA ALUM CAP "344" IN W CURB OF W FRONTAGE RD OF CAPITOL EXPRWY AT +/- PL BETW HOUSE #'s 937 & 953 CAPITOL EXPRWY	"SB" 989+27.28 101.53' Rt
347	1952302.69	6176400.82	116.54	FD VTA ALUM CAP "347" IN E WALK OF E FRONTAGE RD OF CAPITOL EXPRWY AT +/- 1' N OF ECR AT NE CORNER OF S CAPITOL AVE & TUDOR CT	"SB" 1002+73.18 113.82' Lt
348	1951610.56	6176767.92	118.01	FD VTA ALUM CAP "348" IN AC PAVING AT +/- E CURB LINE OF E FRONTAGE RD OF CAPITOL EXPRWY, 8.8' N OF S CURB BRISTOL DR	"SB" 1010+55.91 110.51' Lt
349	1950975.04	6177109.26	119.21	FD VTA ALUM CAP "349" IN AC PAVING 1.6' E OF E CURB LINE OF E FRONTAGE RD OF CAPITOL EXPRWY, 6.6' N OF S CURB COVENTRY DR	"SB" 1017+77.29 111.68' Lt
350	1950300.69	6177475.23	118.20	FD VTA ALUM CAP "350" IN AC PAVING 7.2' W OF E CURB LINE OF E FRONTAGE RD OF CAPITOL EXPRWY, 11.2' N OF S CURB WOODMOOR DR AT "DO NOT ENTER" BUBBLE	"SB" 1025+46.25 113.40' Lt
351	1949443.62	6178195.81	119.47	FD VTA ALUM CAP "351" IN N CURB OCALA AVE +/- 90.2' W OF EVERWOOD CT, EAST OF CAPITOL EXPRWY	"SB" 1036+36.92 341.24' Lt
352	1948504.35	6178202.68	119.16	FD VTA ALUM CAP "352" IN E CURB OF JOHNNY MONTGOMERY DR (AIRPORT FRONTAGE) +/- 115.8' S OF ROBERT FOWLER WAY, OPPOSITE AMELIA REID AVIATION BLDG (N OF CUNNINGHAM)	"SB" 1044+44.68 180.05' Rt
355	1946816.18	6179274.93	127.87	FD VTA ALUM CAP "355" IN AC PAVING 10.8' E OF W CURB SWIFT AVE (AIRPORT FRONTAGE) +/- 183.7' N ALONG SWIFT AVE OF 2nd PG&E TOWER (IN MEDIAN OF CAPITOL) S OF CUNNINGHAM AVE	"SB" 1064+78.78 102.17' Rt
357	1945238.74	6180381.17	135.38	FD VTA ALUM CAP "357" IN E CURB CAPITOL EXPRWY AT SOUTH MOST EXIT OF EVERGREEN SHOPPING CENTER, 14.8' S OF S BLDG LINE OF IN-N-OUT (2950 CAPITOL EXPRWY)	"SB" 1083+97.21 200.76' Lt
358	1944701.70	6180862.54	134.68	FD VTA ALUM CAP "358" IN 1" IP ON E LEVEE THOMPSON CREEK ALONG GLEN HANLEIGH DR AT +/- N CURBLINE OF GLEN HARDY CT PRODUCED, +/- 6.6' W OF CL FENCE AT E R/W CREEK	"SB" 1091+00.52 360.39' Lt
359	1944236.62	6181093.59	136.63	FD VTA ALUM CAP "359" IN 1" IP ON E LEVEE THOMPSON CREEK ALONG GLEN HANLEIGH DR +/- 28.9' S OF N CURB GLEN FENTON WAY, 6.9' W OF CL FENCE AT E R/W OF CREEK	"CS" 95+81.94 260.53' Lt
1044	1943068.71	6181411.15	143.63	FD BR CAP "SCVWD" IN S CURB QUIMBY RD AT +/- C/L OF BRIDGE OVER THOMPSON CREEK +/- 197' E OF CAPITOL EXPRWY	"CS" 107+51.06 210.77' Lt
6901	1949658.83	6177806.03	118.82	FD BRASS PIN IN CONC AT C/L BC AT S END E FRONTAGE RD OF CAPITOL EXPRWY 17.9' W OF E CURB, +/- 34.5' N OF N CURB S CAPITOL AVE PRODUCED (AFTER IT TURNS EAST)	"SB" 1032+65.65 95.38' Lt
6903	1949241.82	6177921.37	120.18	FD 3/4" IP & TAG "SANTA CLARA COUNTY SURVEYOR" IN MON WELL AT INTERSECTION OF OCALA AVE & CAPITOL EXPRWY	"SB" 1036+88.69 4.46' Lt
6904	1945749.09	6179996.02	133.76	FD 3/4" IP & TAG "SANTA CLARA COUNTY SURVEYOR" IN MON WELL AT INTERSECTION OF TULLY RD & CAPITOL EXPRWY (S'LY OF 2 WELLS)	"SB" 1077+63.94 105.70' Lt
6907	1943051.23	6181203.84	144.78	FD 3/4" IP & TAG "SANTA CLARA COUNTY SURVEYOR" IN MON WELL AT INTERSECTION OF QUIMBY RD & CAPITOL EXPRWY	"CS" 107+27.95 4.07' Lt
6908	1942387.48	6181289.50	146.55	FD SET SPIKE & WASHER W/ "PSOMAS FOR VTA 6908" IN 1" IP IN MEDIAN OF CAPITOL EXPRWY +/- 670' S OF QUIMBY, 6.9' W OF E CURB MEDIAN, +/- 40' N OF N LOT LINE OF MOBILE HOME PARK	

ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: J. Simmons
CHECKED: D. Thresh

DRAWN: A. Lara
CADD FILE NAME: 801GN030.dwg



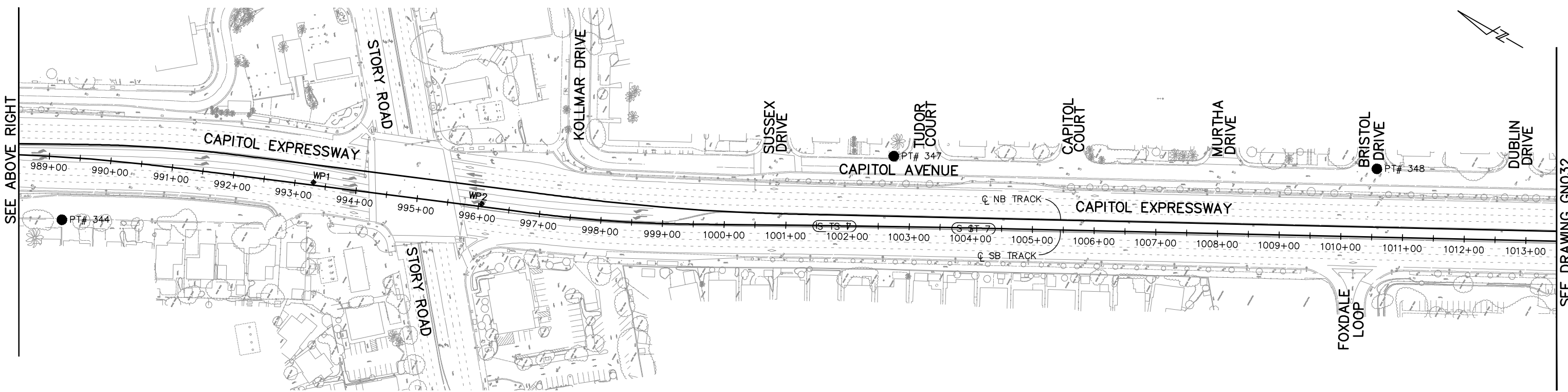
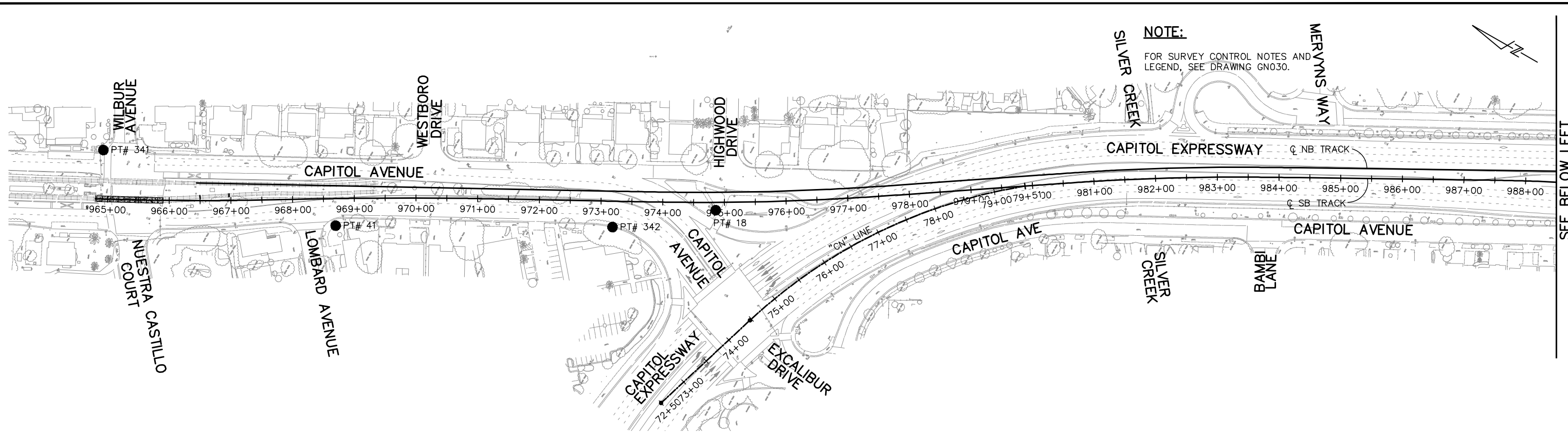
APPROVED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 03/06/20
SCALE: NTS

SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT GENERAL CONSTRUCTION STAKING SURVEY CONTROL			SHEET OF
			DRAWING NO. GN030
			REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

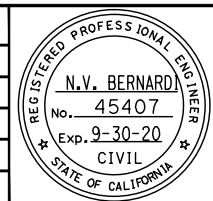


ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN

SCALE: 1"=80'
 ORIGINAL SCALE IN FEET
 FOR REDUCED PLANS

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: J. Simmons
 CHECKED: D. Thresh
 DRAWN: A. Lara
 CADD FILE NAME: 801GN031.dwg



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CADD FILE DATE: 03/06/20
 SUBMITTAL DATE: 06/29/20
 SCALE: 1" = 80'
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT GENERAL CONSTRUCTION STAKING SURVEY CONTROL STA 964+80 TO STA 1013+50			SHEET OF DRAWING NO. GN031 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

SEE BELOW LEFT

SEE ABOVE RIGHT

SEE DRAWING GN032

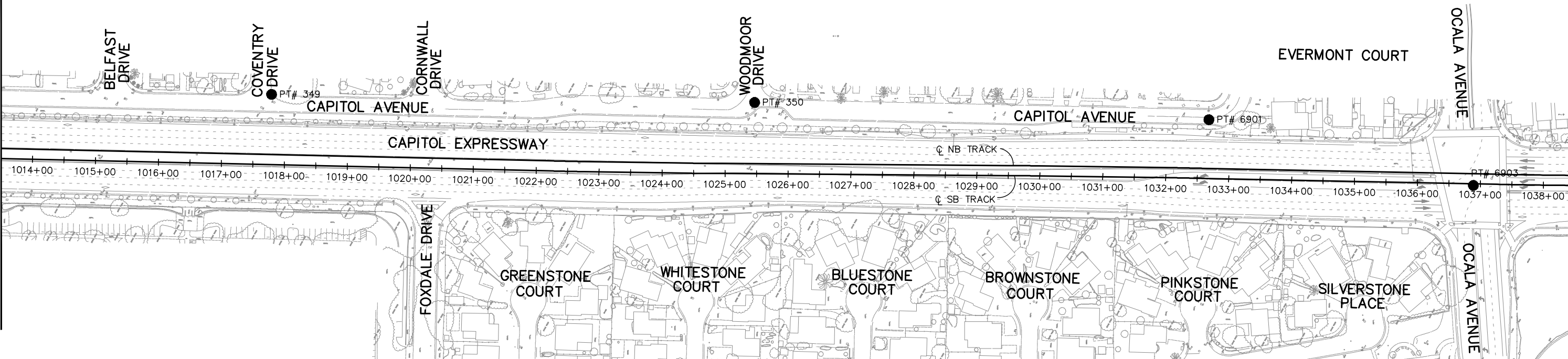
NOTE:

FOR SURVEY CONTROL NOTES AND LEGEND, SEE DRAWING GN030.

PT# 351 ●

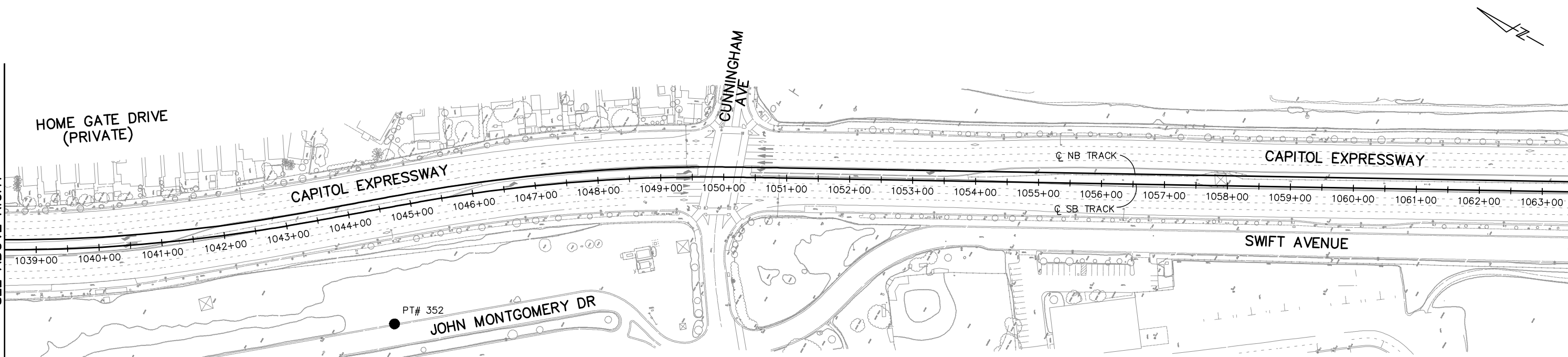
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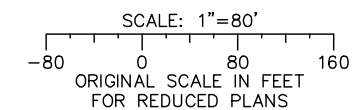


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SEE DRAWING GN033

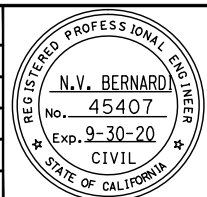


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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
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ENGINEERS / SURVEYORS / PLANNERS

DESIGNED: J. Simmons
CHECKED: D. Thresh

DRAWN: A. Lara
CADD FILE NAME: 801GN032.dwg

APPROVED

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ENGINEERS / SURVEYORS / PLANNERS

CASD FILE DATE: 03/06/20
SUBMITTAL DATE: 06/29/20

SCALE: 1" = 80'
BOARD APPROVAL DATE:

Santa Clara Valley Transportation Authority

PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE
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EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
GENERAL
CONSTRUCTION STAKING SURVEY CONTROL
STA 1013+50 TO STA 1063+50

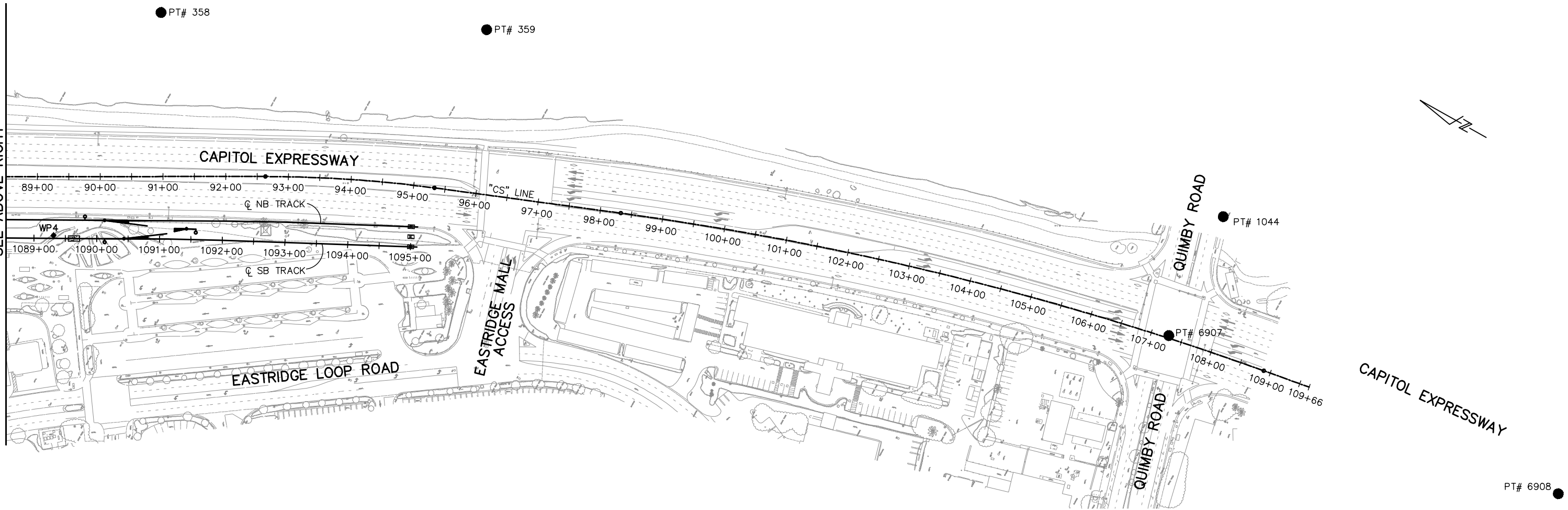
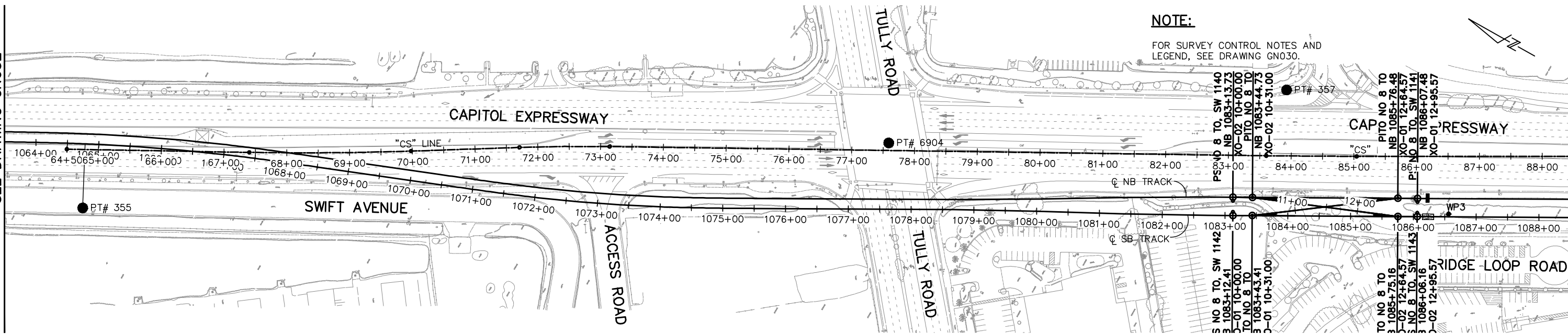
SHEET OF	GN032
DRAWING NO.	GN032
REVISION	C

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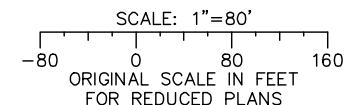
SEE DRAWING GN032

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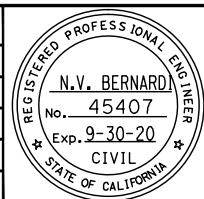
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SUBMITTED
BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS
 DESIGNED: J. Simmons
 CHECKED: D. Thresh
 DRAWN: A. Lara
 CADD FILE NAME: 801GN033.dwg

Santa Clara Valley
Transportation Authority

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BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 03/06/20
 SUBMITTAL DATE: 06/29/20
 SCALE: 1" = 80'
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 GENERAL
 CONSTRUCTION STAKING SURVEY CONTROL
 STA 1063+50 TO STA "CS" 109+66

PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE
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SHEET OF
 DRAWING NO. GN033
 REVISION C

ABBREVIATIONS

ABV ABOVE
A/C AIR-CONDITIONING
ACC ACCESSIBLE
AD AREA DRAIN
ADJ ADJUSTABLE
AFF ABOVE FINISH FLOOR
AG ABOVE GROUND
AL/ALUM ALUMINUM
ALT ALTERNATE
AP ACCESS PANEL
APPROX APPROXIMATE
ARA AREA OF RESCUE ASSISTANCE
ARCH ARCHITECTURAL
ASPH ASPHALT
AUX AUXILIARY
AVE AVENUE

EJ EXPANSION JOINT
EL ELEVATION
ELEC ELECTRICAL
ELEV ELEVATOR OR ELEVATION
EMER EMERGENCY
ENCL ENCLOSURE
ENGR ENGINEER
EQ EQUAL
EQPT EQUIPMENT
ETC ET CETERA
EW EACH WAY
EXH EXHAUST
EXP EXPANSION
EXPO EXPOSED
EXT EXTERIOR
EXTG(E) EXISTING

L LENGTH / ANGLE
LA LANDSCAPE ARCHITECT
LF LINEAL FEET
LKR LOCKER
LP LOW POINT
LRT LIGHT RAIL TRANSIT
LRV LIGHT RAIL VEHICLE
LT LIGHT
LTG LIGHTING

MACH MACHINE
MATL MATERIAL
MAX MAXIMUM
MAINT MAINTENANCE
MECH MECHANICAL
MEM MEMBRANE
MFR MANUFACTURER
MH MANHOLE
MIN MINIMUM
MISC MISCELLANEOUS
MIL MILLIMETER
MO MASONRY OPENING
MTD MOUNTED
MTL METAL
MUL MULLION
MSE MECHANICALLY STABILIZED EARTH

SCMD SEE COMMUNICATION DRAWINGS
SFPD SEE FIRE PROTECTION DRAWINGS
SCHEDULE SCHEDULE
SD SOAP DISPENSER
SEC SECTION
SED SEE ELECTRICAL DRAWINGS
SF SQUARE FEET
SHT SHEET
SIG SIGNAL
SIM SIMILAR
SJC SEISMIC JOINT COVER
SL SLOPE
SLD SEE LANDSCAPE DRAWINGS
SMD SEE MECHANICAL DRAWINGS
SOD SEE OCS DRAWINGS
SP STANDPIPE
SPD SEE PLUMBING DRAWINGS
SPEC SPECIFICATION
SPKR SPEAKER
SQ SQUARE
SSD SEE STRUCTURAL DRAWINGS
SSGD SEE SIGNAL DRAWINGS
ST STL STAINLESS STEEL
STA STATION
STD STANDARD, SEE TRACK DRAWINGS
STL STEEL
STR STAIR
STOR STORAGE
STRL STRUCTURAL
STRUCTURE STRUCTURE
STD SEE TRACKS DRAWINGS
SUPP SUPPLY
SUSP SUSPENDED
SWD SEE WAYFINDING DRAWINGS
SYM SYMMETRICAL

(N) NEW
N NORTH
N/A NOT APPLICABLE
NB NORTHBOUND
NIC NOT IN CONTRACT
NO NUMBER
N/R NON-RELATED
NTS NOT-TO-SCALE

O/ OVER
OA OVERALL
OC ON CENTER
OCS OVERHEAD CABLE SYSTEM
OD OUTSIDE DIAMETER
OH OPPOSITE HAND
OPNG OPENING
OPP OPPOSITE

P PLATFORM / PAINTED
PA PUBLIC ADDRESS
PART PARTIAL
PCC PRECAST CONCRETE
PERF PERFORATED
PIM PASSENGER INFORMATION MONITOR
PL PLATE
PLAS PLASTER
P LAM PLASTIC LAMINATE
PLUM PLUMBING
PLYWD PLYWOOD
POC PEDESTRIAN OVERCROSSING
PRKG PARKING
PROP PROPERTY
PT POINT/PAINT
PTD PAINTED
PVC POLYVINYL CHLORIDE

Q QUEUING SPACE

R RISER/ RADIUS
RCP REFLECTED CEILING PLAN
RD ROOF DRAIN / ROAD
REF REFERENCE
REINF REINFORCED
REQ (D) REQUIRED
REV REVISION(S)
RN REFERENCE NORTH
RM ROOM
RO ROUGH OPENING
ROW RIGHT OF WAY
RT RESILIENT TILE
RWL RAIN WATER LEADER

S SOUTH OR SLOPE
SAF SPRAY-APPLIED FIREPROOFING
SB SOUTHBOUND
SCD SEE CIVIL DRAWINGS

T TREAD
T/ TOP
TBD TO BE DETERMINED
TC TOP OF CURB
TD TRENCH DRAIN
TEL TELEPHONE
TES TRACTION ELECTRIFICATION SYSTEM
THK THICK/ THICKNESS
TN TRUE NORTH
T/O TOP OF
TOC TOP OF CONCRETE
T/R TOP OF RAIL
TOS TOP OF STRUCTURE (STEEL, SLAB)
TP TOP OF PAVEMENT
TPSS TRACTION POWER SUB STATION
TR TRASH RECEPTACLE
TS TUBE STEEL
TW TOP OF WALL
TVM(S) TICKET VENDING MACHINE(S)
TYP TYPICAL
TS TUBE STEEL

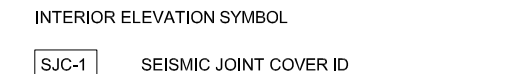
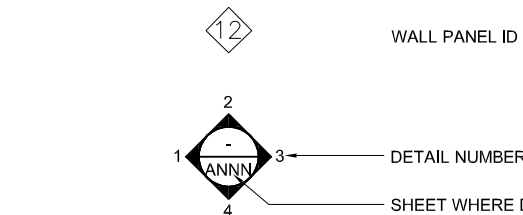
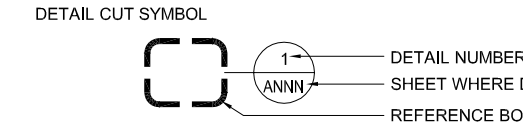
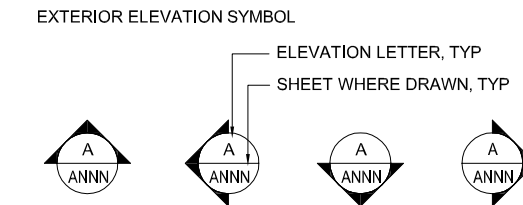
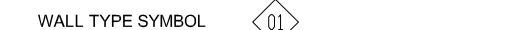
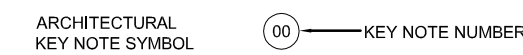
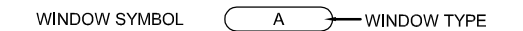
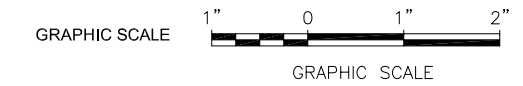
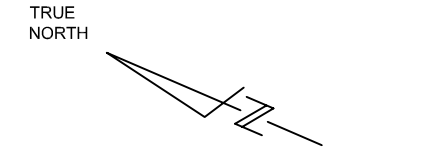
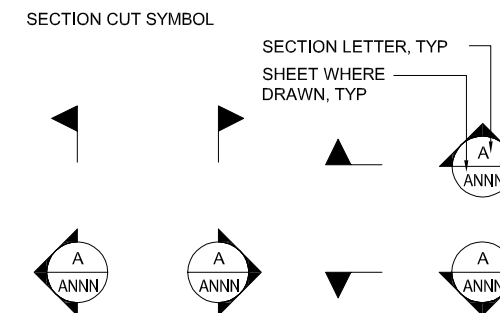
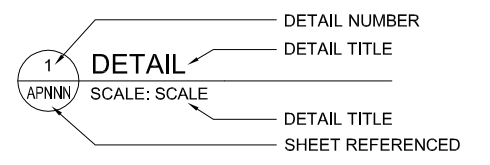
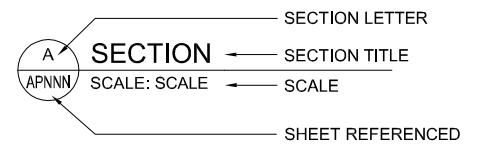
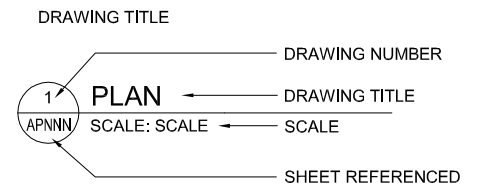
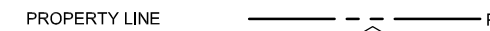
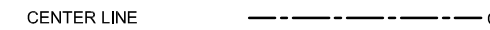
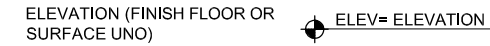
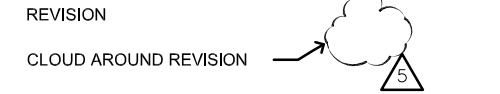
UG UNDERGROUND
UNO UNLESS NOTED OTHERWISE

VENT VENTILATION
VERT VERTICAL
VIF VERIFY IN FIELD

W WEST / WIDTH
W/ WITH
WD WOOD
WDW WINDOW
WO WHERE OCCURS
W/O WITHOUT
WP WATERPROOF / WORKPOINT
WSP WET STAND PIPE
WT WEIGHT
WR WATER RESISTANT

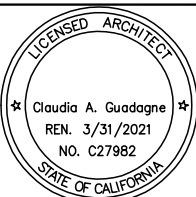
& AND
@ DIAMETER
Ø CENTER LINE
℄ PLATE

ARCHITECTURAL SYMBOLS



Dell 530 Jun 21, 2020 - 12:55pm C:\scd\hls\vw\loc\mca\west\dms98371\801AA351.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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DESIGNED: M. Grindulo
CHECKED: C. Guadagne
DRAWN: L. Canlas
CADD FILE NAME: 801AA351.DWG

Santa Clara Valley Transportation Authority

APPROVED

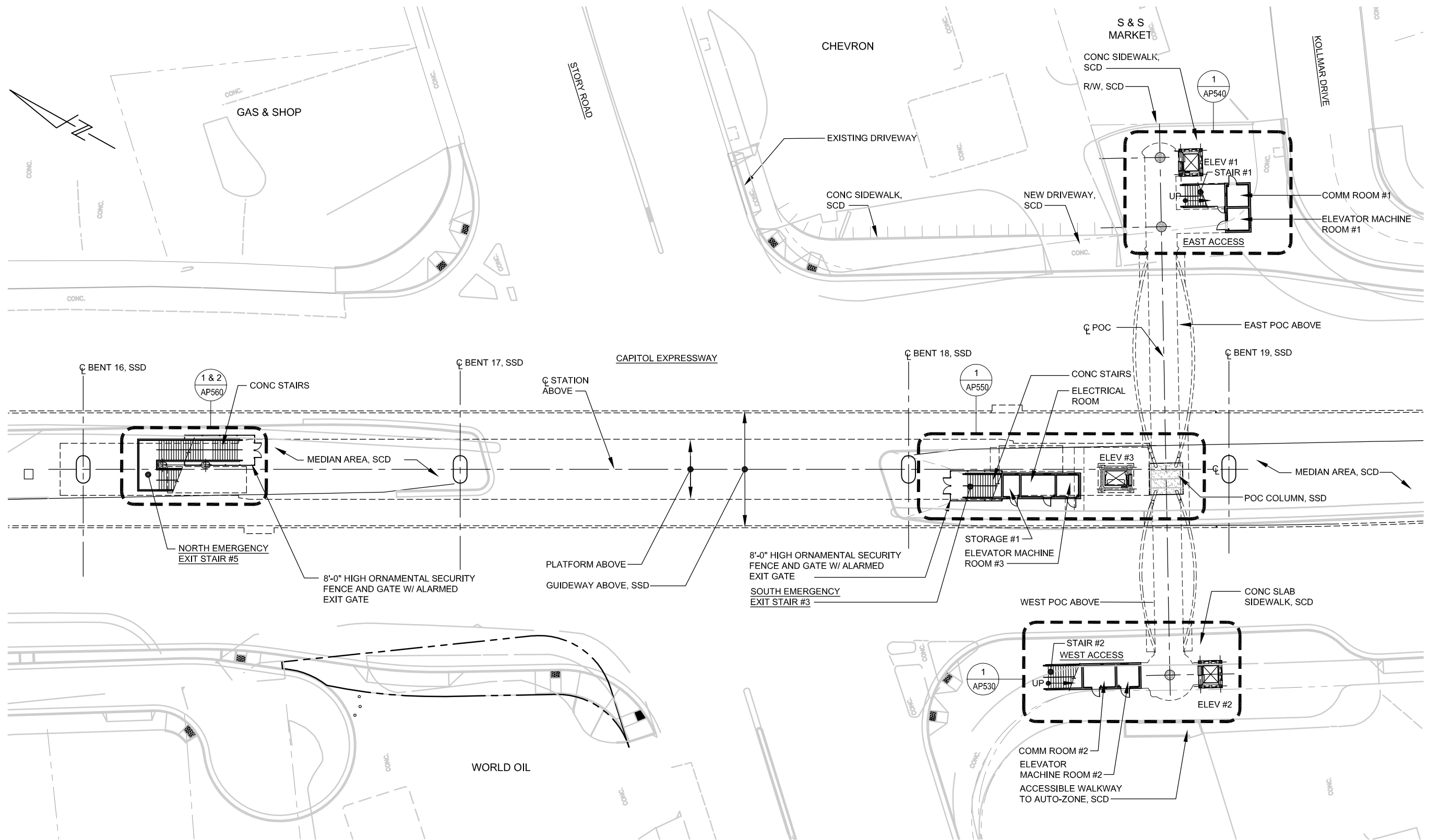
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/21/2020
SCALE: NONE
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

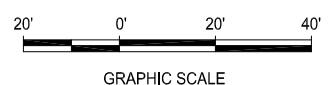
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL
ABBREVIATIONS AND SYMBOLS

PCA NO. 000
CONTRACT NO. (A##) C801
FILE LOCATION PROJECTWISE

SHEET OF	
DRAWING NO.	AA351
REVISION	B

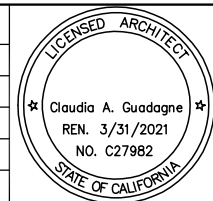


1 ARCHITECTURAL SITE / GROUND FLOOR PLAN
 AP500 SCALE 1"=20'-0"



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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



DESIGNED: M. Grindulo
 DRAWN: L. Canlas
 CHECKED: C. Guadagne
 CADD FILE NAME: 801AP500.DWG

Santa Clara Valley
 Transportation
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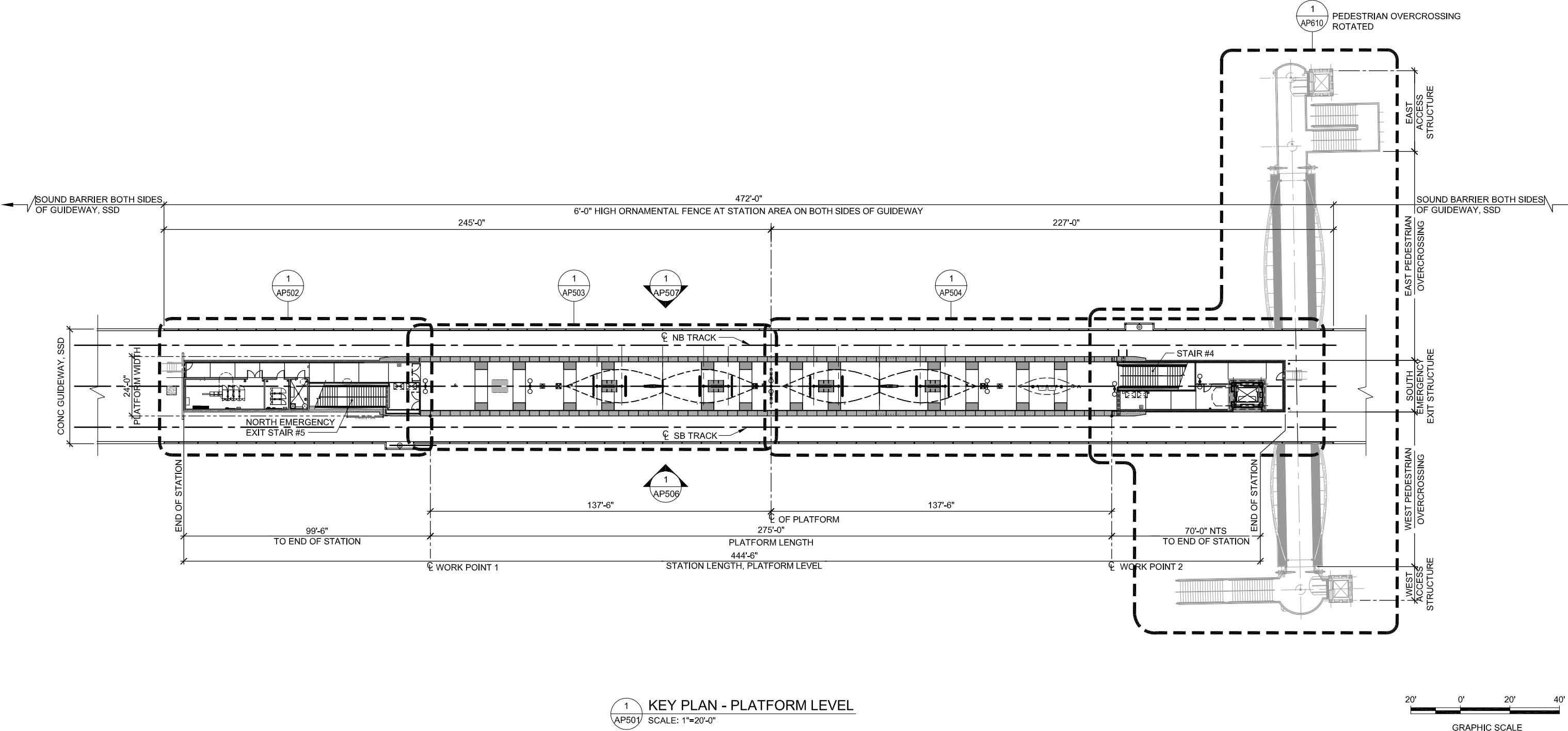
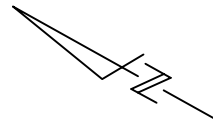
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/22/2020
 SUBMITTAL DATE: 06/29/20
 SCALE: 1"=20'-0"
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 AERIAL CENTER PLATFORM
 ARCHITECTURAL SITE/GROUND FLOOR PLAN

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

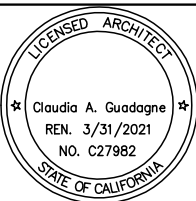
SHEET OF DRAWING NO. AP500 REVISION C



1 KEY PLAN - PLATFORM LEVEL
AP501 SCALE: 1"=20'-0"

Dell ESJ Jun 21, 2020 - 1:21pm C:\cadd\clg\lcomas\west\mns98371\801AP501.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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A	06/18	35% SUBMITTAL SET



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 CADD FILE NAME: 801AP501.DWG



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 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/21/2020
 SUBMITTAL DATE: 06/29/20
 SCALE: 1"=20'-0"
 BOARD APPROVAL DATE:

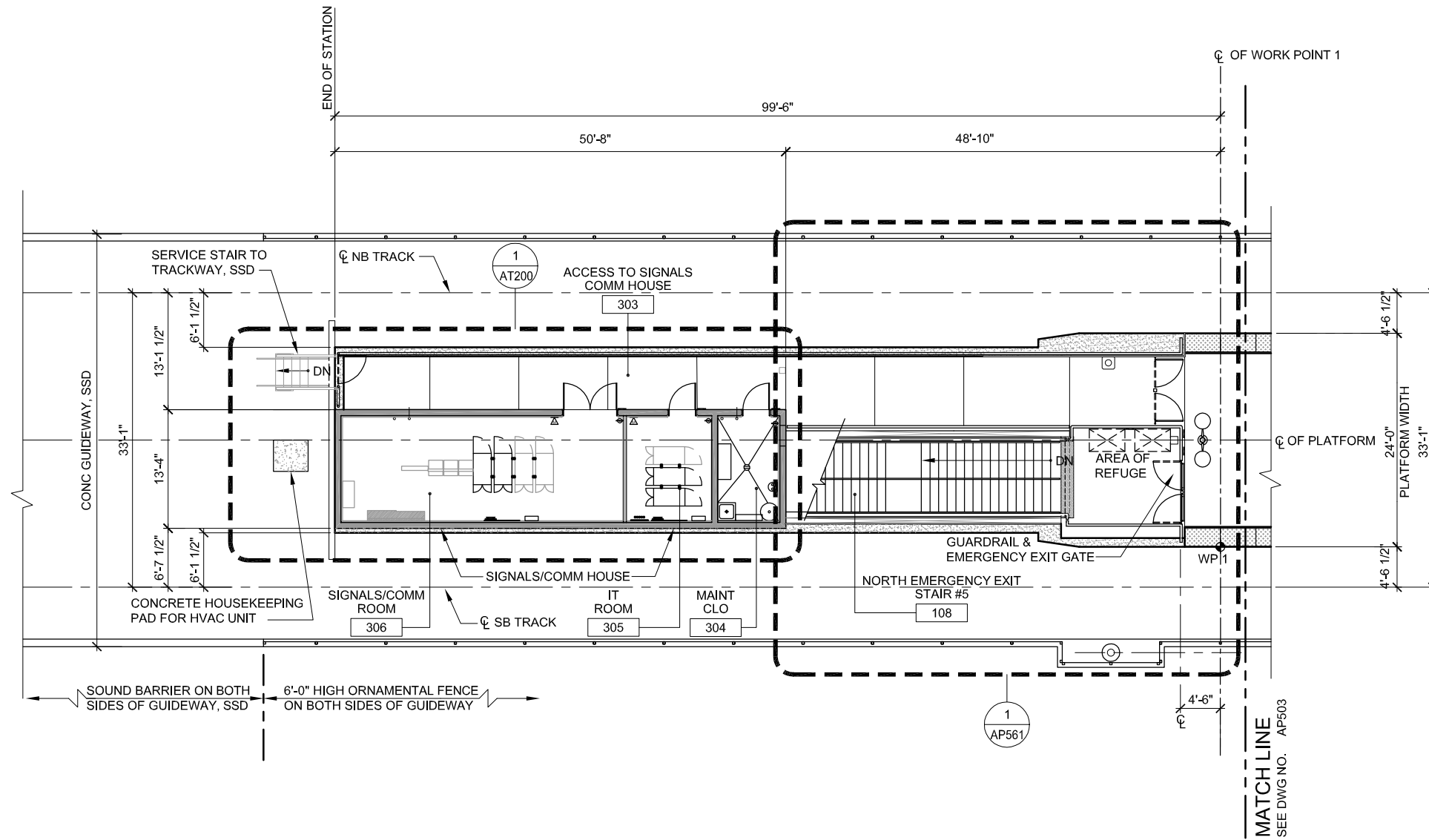
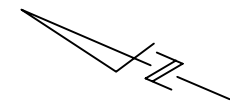
**EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 KEY PLAN - PLATFORM LEVEL**

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF	AP501
DRAWING NO.	AP501
REVISION	C

NOTES:

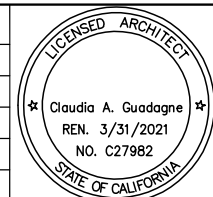
1. REFER TO COMMUNICATIONS, SIGNALS, ELECTRICAL, PLUMBING, MECHANICAL AND FIRE PROTECTION DRAWINGS FOR EQUIPMENT / DEVICES LAYOUT AND QUANTITIES.
2. SEE AP569 FOR FINISH SCHEDULE.



1 PARTIAL PLATFORM PLAN 1 AP501
 AP502 SCALE: 1/8"=1'-0"

Dell 530 Jun 21, 2020 1:23pm C:\cadd\dlb\l\cadd\l\west\l\m\8371\801\AP502.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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A	06/18	35% SUBMITTAL SET



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 DRAWN: L. Canlas
 CADD FILE NAME: 801AP502.DWG

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 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/21/2020
 SCALE: 1/8"=1'-0"
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 AERIAL CENTER PLATFORM
 PARTIAL PLATFORM PLAN 1

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF	AP502
DRAWING NO.	AP502
REVISION	C

NOTE:

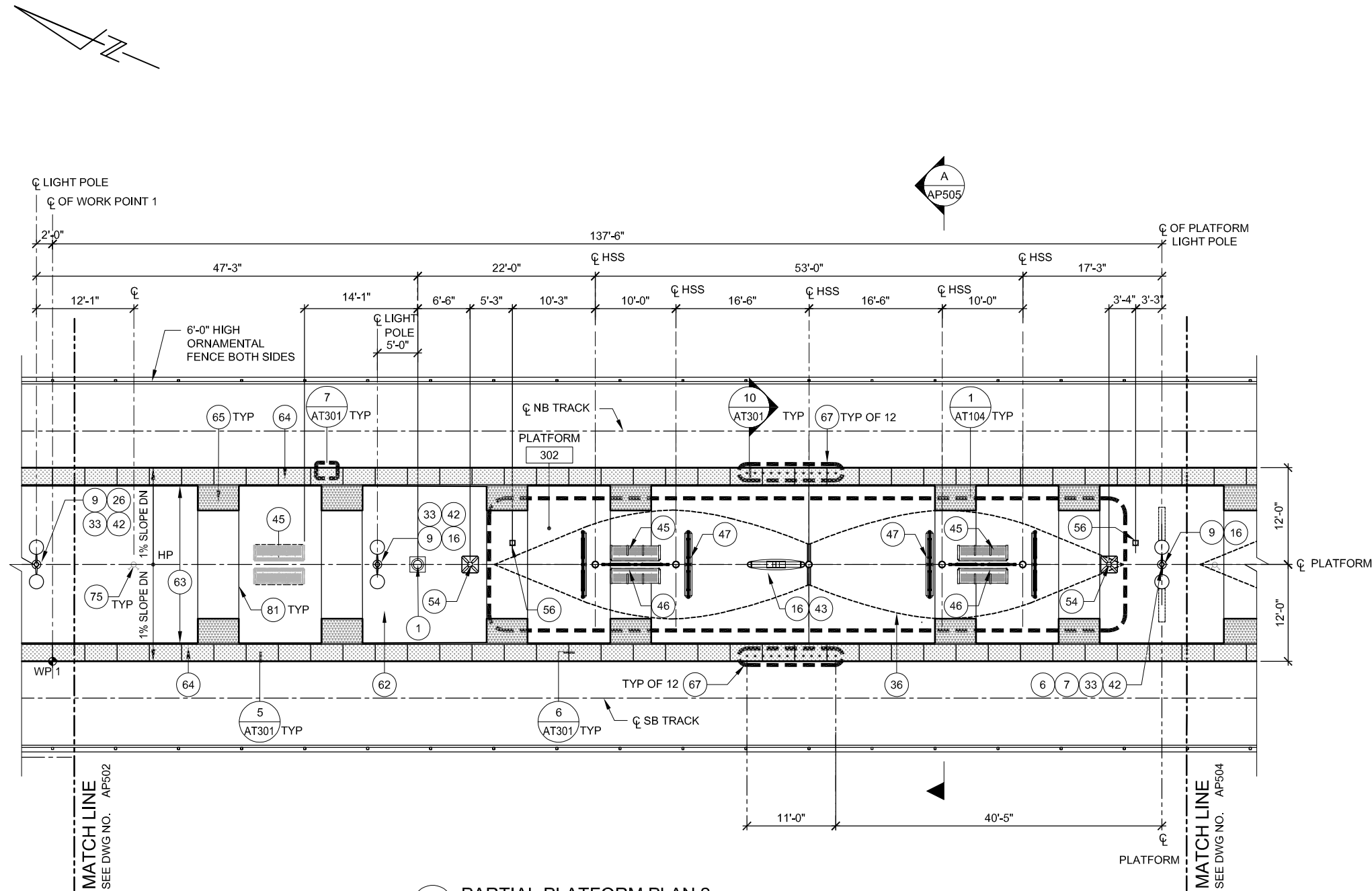
1. REFER TO COMMUNICATIONS, SIGNALS, ELECTRICAL, PLUMBING, MECHANICAL AND FIRE PROTECTION DRAWINGS FOR EQUIPMENT / DEVICES LAYOUT AND QUANTITIES.
2. SEE AP569 FOR FINISH SCHEDULE.

KEY NOTES:

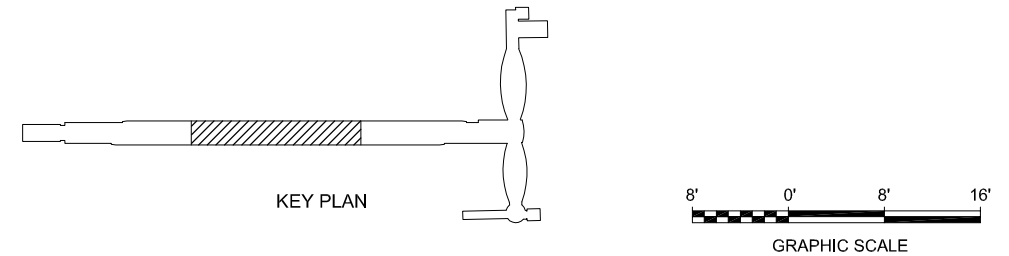
- 1 OCS POLE, SOD
- 6 PASSENGER INFORMATION MONITOR, SCMD
- 7 MICROPHONE, SCMD
- 9 LIGHT POLE, SED
- 16 SIGN, SWD
- 26 MAINTENANCE TELEPHONE, SCMD
- 33 CAMERA, SCMD
- 36 SHELTER CANOPY
- 42 PUBLIC ADDRESS SPEAKER HOUSING, SCMD
- 43 GRAPHIC DISPLAY KIOSK, SEE 2/AT332
- 45 BENCH
- 46 WINDSCREEN
- 47 LEANING RAIL
- 54 TRASH RECEPTACLE, SEE 1/AT333
- 56 GROUND HYDRANT, SPD
- 62 CONCRETE TOPPING SLAB
- 63 CONT BLACK STRIPE, TYP
- 64 TACTILE WARNING BAND, TYP
- 65 DETECTABLE DIRECTIONAL SURFACE
- 67 FLEXIBLE BOLLARDS
- 75 FIRE HOSE CONNECTION, SFPD
- 81 CONTROL JOINT, TYP

LEGEND:

-  STATION WORK POINT, STD

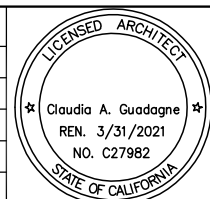


1 PARTIAL PLATFORM PLAN 2 AP501
 AP503 SCALE: 1/8"=1'-0"



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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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 510-465-8700 TEL
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DESIGNED: M. Grindulo
 CHECKED: C. Guadagne
 DRAWN: L. Canlas
 CADD FILE NAME: 801AP503.DWG

Santa Clara Valley Transportation Authority

APPROVED

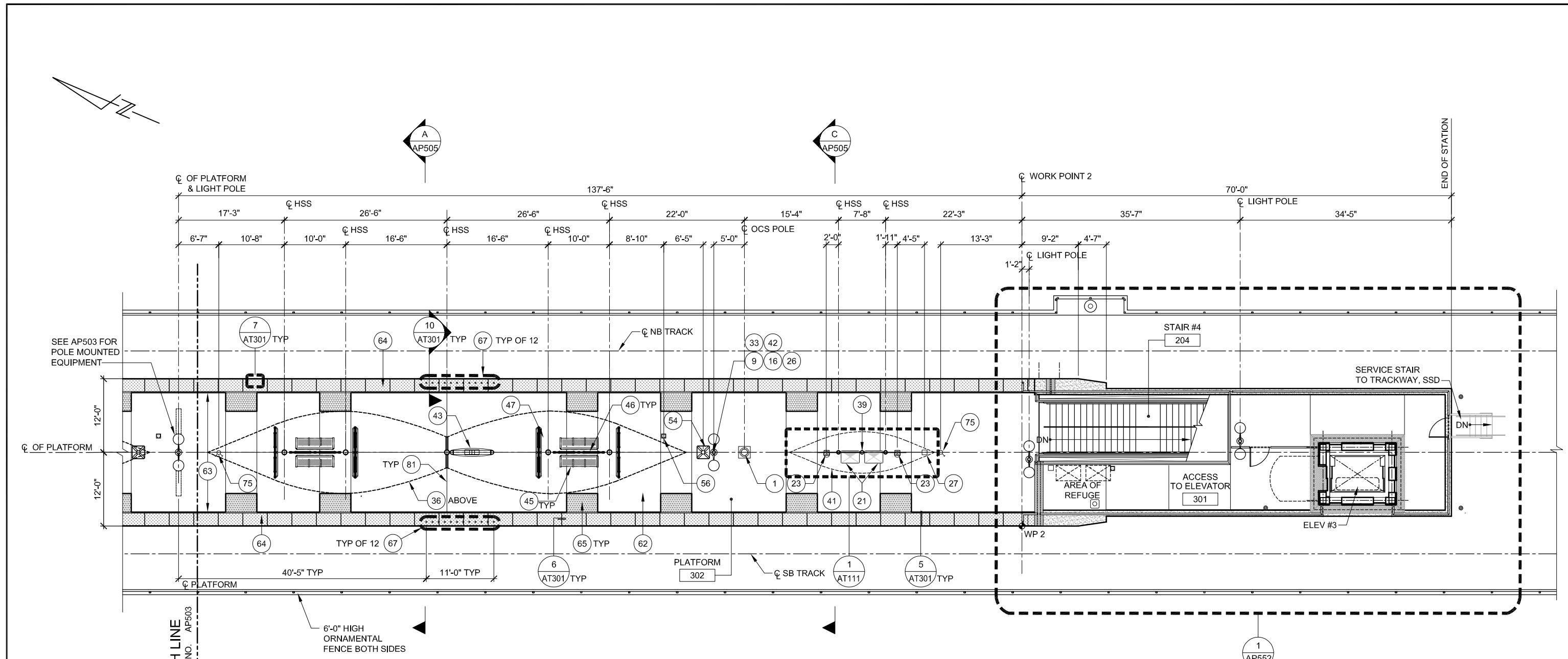
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/20/2020
 SUBMITTAL DATE: 06/29/20
 SCALE: 1/8"=1'-0"
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 AERIAL CENTER PLATFORM
 PARTIAL PLATFORM PLAN 2

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. AP503 REVISION C



1 PARTIAL PLATFORM PLAN 3 AP501
 AP504 SCALE: 1/8"=1'-0"

NOTE:

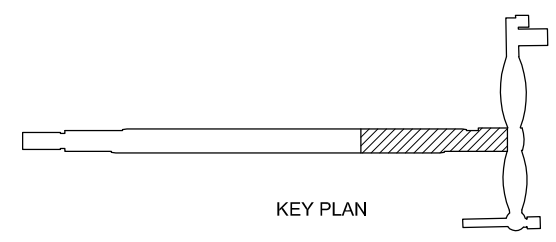
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- SEE AP569 FOR FINISH SCHEDULE

KEY NOTES:

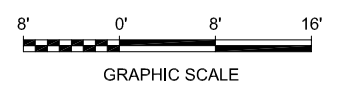
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|--------------------------------|---|-----------------------------------|
| 1 OCS POLE, SOD | 36 SHELTER CANOPY | 56 GROUND HYDRANT, SPD |
| 9 LIGHT POLE, SED | 39 RAIN WATER LEADER | 62 CONCRETE TOPPING SLAB |
| 16 SIGN, SWD | 41 TVM SHELTER CANOPY, SEE AT111 | 63 CONT BLACK STRIPE, TYP |
| 21 TVM W/ PULLBOX UNDER, SCMD | 42 PUBLIC ADDRESS SPEAKER HOUSING, SCMD | 64 TACTILE WARNING BAND, TYP |
| 23 TRANSLINK CID, SCMD | 43 GRAPHICS DISPLAY KIOSK, SEE 2/AT332 | 65 DETECTABLE DIRECTIONAL SURFACE |
| 26 MAINTENANCE TELEPHONE, SCMD | 45 BENCH | 67 FLEXIBLE BOLLARDS |
| 27 EMERGENCY TELEPHONE, SCMD | 46 WINDSCREEN | 75 FIRE HOSE CONNECTIONS, SFPD |
| 32 CAMERA POLE, SSD, SCMD | 47 LEANING RAIL | 81 CONTROL JOINT, TYP |
| 33 CAMERA, SCMD | 54 TRASH RECEPTACLE, SEE 1/AT333 | |

LEGEND

- STATION WORK POINT, STD



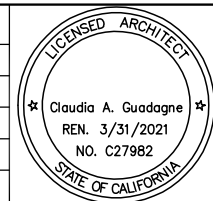
KEY PLAN



GRAPHIC SCALE

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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A	06/18	35% SUBMITTAL SET



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 DRAWN: L. Canlas
 CADD FILE NAME: 801AP504.DWG

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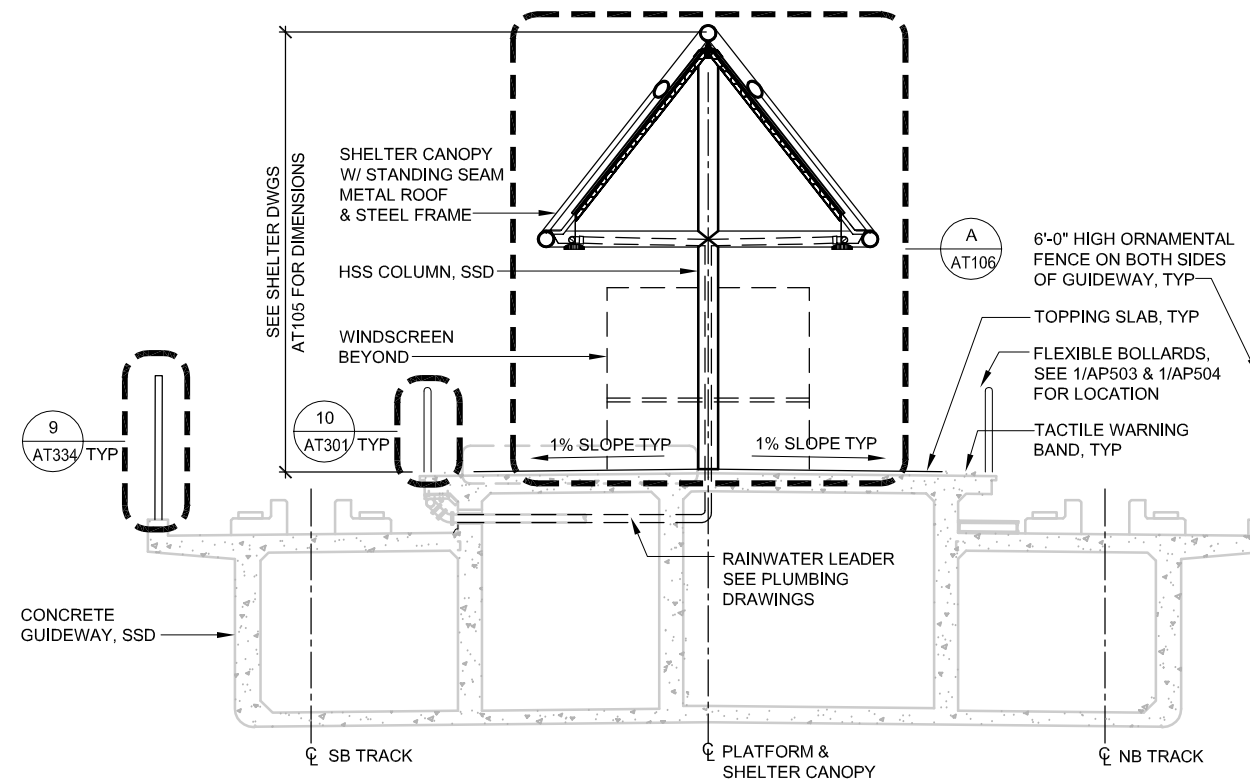
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 SCALE: 1/8"=1'-0"
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 AERIAL CENTER PLATFORM
 PARTIAL PLATFORM PLAN 3

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

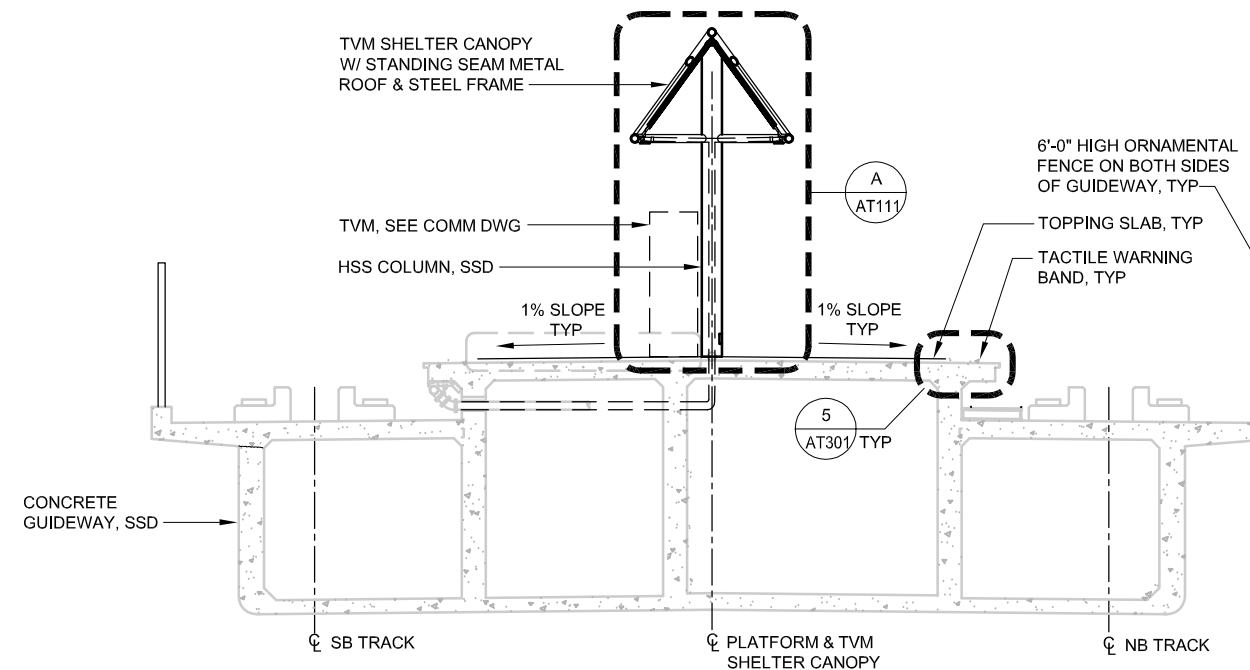
SHEET OF DRAWING NO. AP504 REVISION C

NOTE:
 PROVIDE 1% CROSS SLOPE ON THE ENTIRE LENGTH OF PLATFORM.



A PLATFORM SECTION @ SHELTER CANOPY
 AP505 SCALE: 1/4"=1'-0"

AP503
 AP504
 AP506



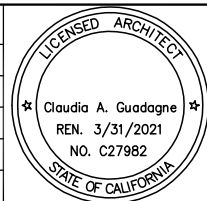
C PLATFORM SECTION @ TVM SHELTER CANOPY
 AP505 SCALE: 1/4"=1'-0"

AP504
 AP506



Dell 530 Jun 21, 2020 - 1:29pm C:\cadd\18\cadd\18\cadd\18\1801\AP505.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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DESIGNED: M. Grindulo
 CHECKED: C. Guadagne
 DRAWN: L. Canlas
 CADD FILE NAME: 801AP505.DWG

Santa Clara Valley Transportation Authority

BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/21/2020
 SCALE: 1/4"=1'-0"
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 AERIAL CENTER PLATFORM
 PLATFORM SECTIONS 1

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

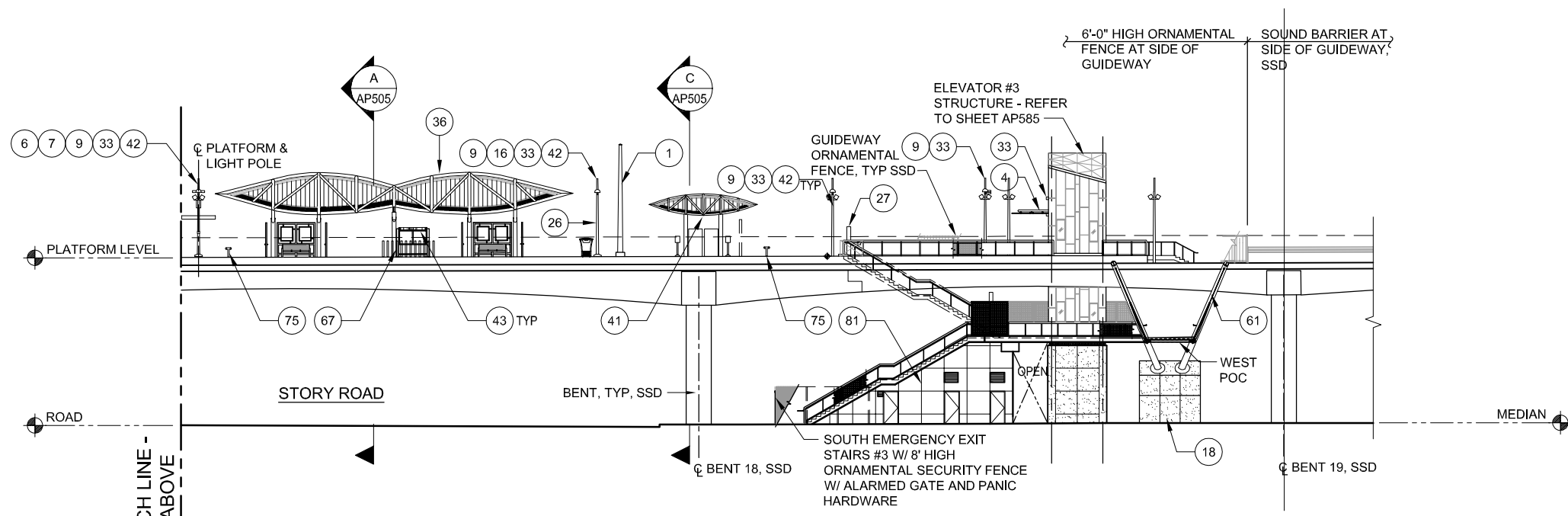
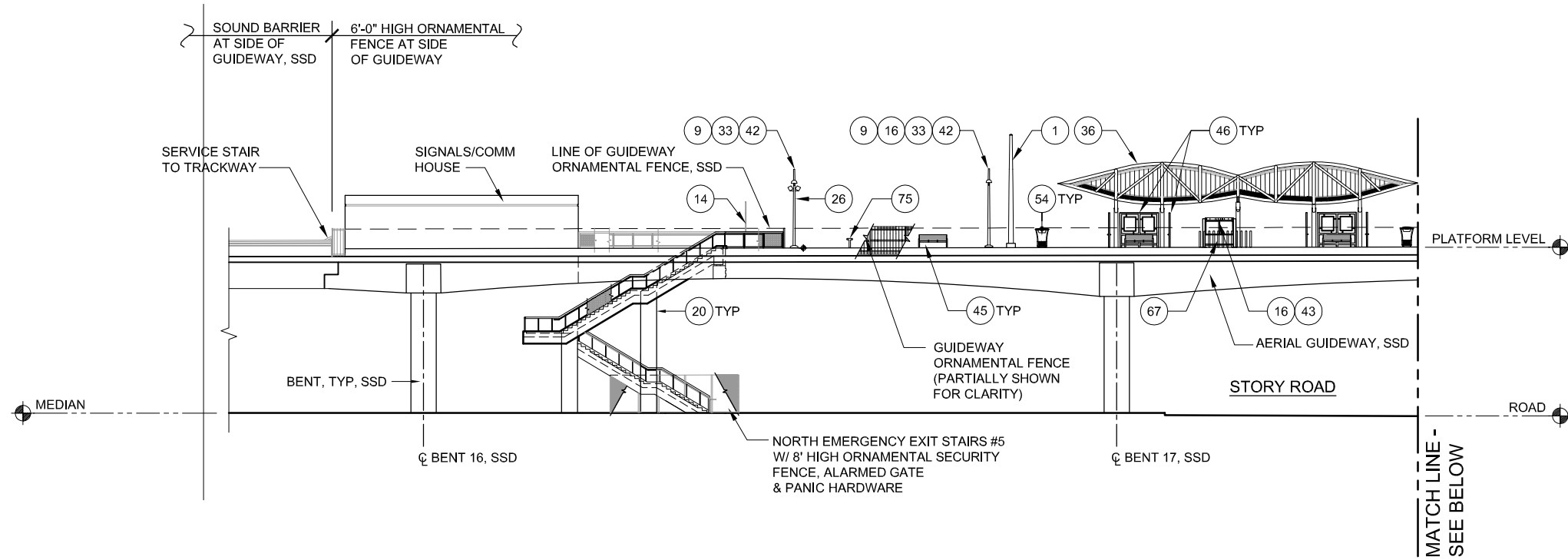
SHEET OF	AP505
DRAWING NO.	AP505
REVISION	C

NOTES:

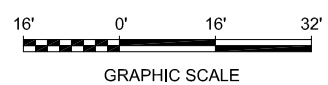
- REFER TO CIVIL AND STRUCTURAL DRAWINGS FOR GRADE AND FINISH ELEVATIONS AND VERTICAL CLEARANCES.
- GUIDEWAY SCREEN FENCE PARTIALLY SHOWN FOR CLARITY.

KEY NOTES:

- 1 OCS POLE, SOD
- 4 CANOPY
- 6 PASSENGER INFORMATION MONITOR, SCMD
- 7 MICROPHONE, SCMD
- 9 LIGHT POLE, SED
- 14 TRAIN SIGNAL HEAD, SSGD
- 16 SIGN, SWD
- 18 POC COLUMN, SSD
- 20 COLUMN, SSD
- 26 MAINTENANCE TELEPHONE, SCMD
- 27 EMERGENCY TELEPHONE, SCMD
- 32 CAMERA POLE, SSD, SCMD
- 33 CAMERA, SCMD
- 36 SHELTER CANOPY
- 41 TVM SHELTER CANOPY, SEE AT 111
- 42 PUBLIC ADDRESS SPEAKER HOUSING, SCMD
- 43 GRAPHICS DISPLAY KIOSK, SEE 2/AT332
- 45 BENCH
- 46 WINDSCREEN
- 54 TRASH RECEPTACLE, SEE 7/AT333
- 61 STEEL ARCH RIB, SSD
- 67 FLEXIBLE BOLLARDS
- 75 FIRE HOSE CONNECTION, SFPD
- 81 CONTROL JOINT, SSD

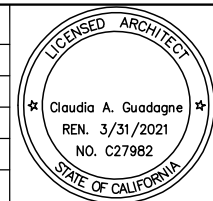


1 WEST ELEVATION AP501
AP506 SCALE: 1/16"=1'-0"



Dell 530 Jun 21, 2020 1:34pm C:\cadd\bls\lscas\west\mtr\801AP506.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED

FMG ARCHITECTS
330 15TH STREET
OAKLAND, CA 94612
510-465-8700 TEL
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DESIGNED: M. Grindulo
CHECKED: C. Guadagne
DRAWN: L. Canlas
CADD FILE NAME: 801AP506.DWG

Santa Clara Valley Transportation Authority

APPROVED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/21/2020
SCALE: 1/16"=1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - STORY STATION
AERIAL CENTER PLATFORM
WEST ELEVATION

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

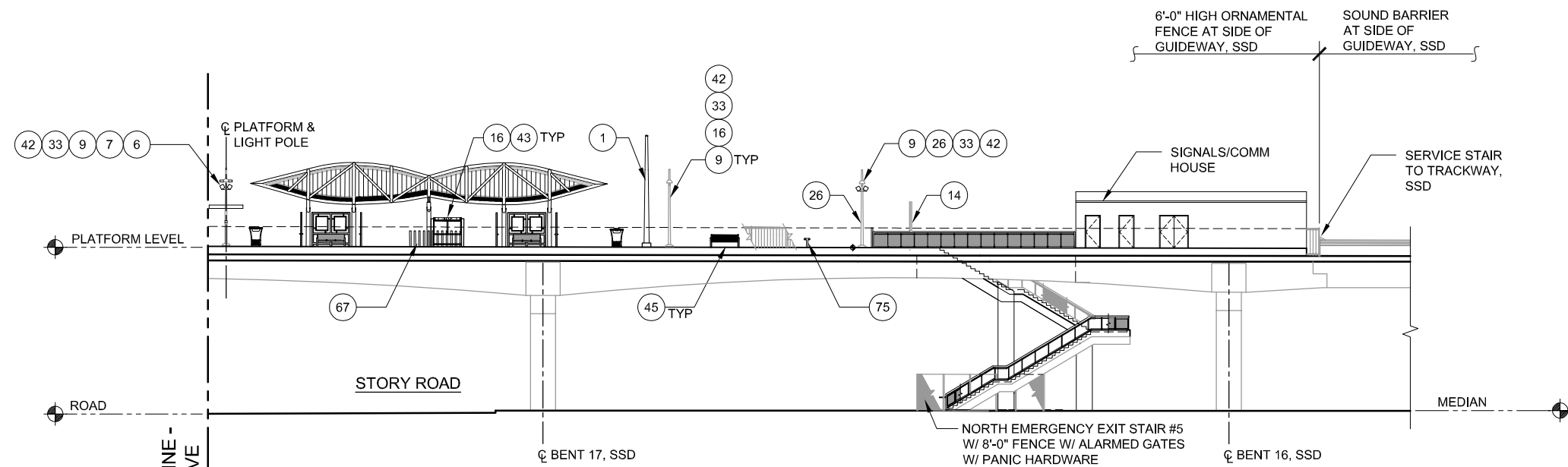
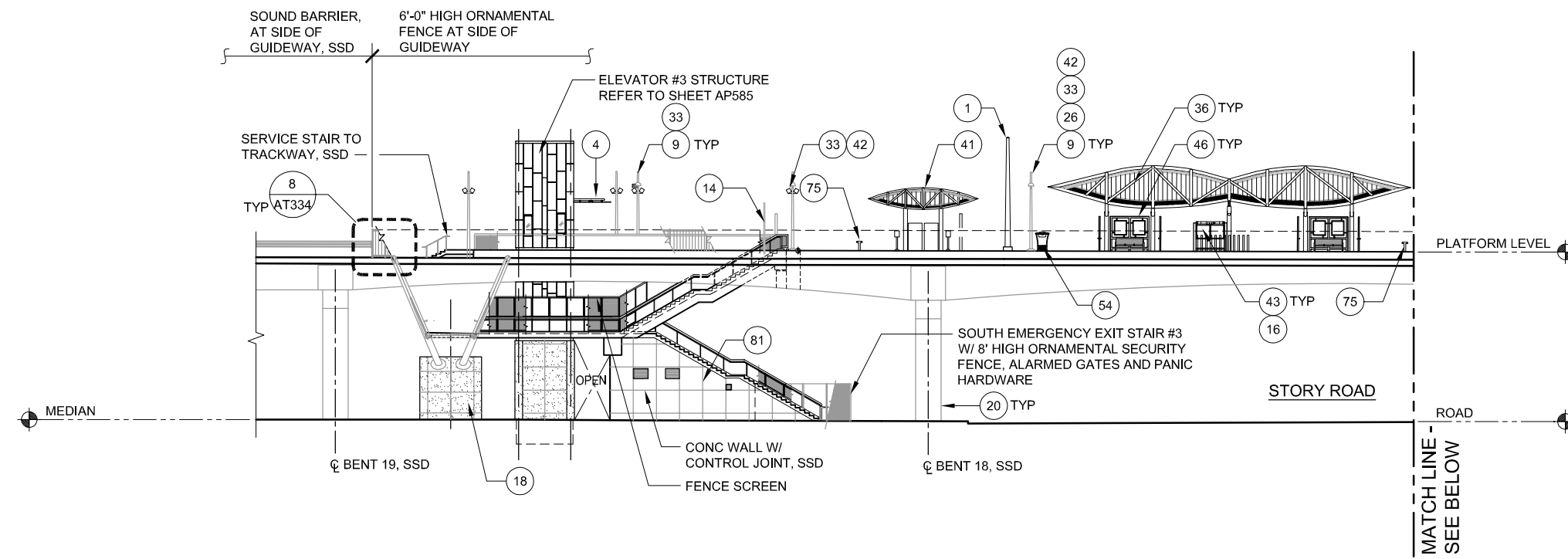
SHEET OF DRAWING NO. AP506 REVISION C

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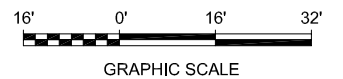
- REFER TO CIVIL AND STRUCTURAL DRAWINGS FOR GRADE AND FINISH ELEVATIONS AND VERTICAL CLEARANCES.
- GUIDEWAY SCREEN FENCE PARTIALLY SHOWN FOR CLARITY.

KEY NOTES:

- 1 OCS POLE, SOD
- 4 CANOPY
- 7 MICROPHONE
- 6 PASSENGER INFORMATION MONITOR, SCMD
- 9 LIGHT POLE, SED
- 14 TRAIN SIGNAL HEAD,SSGD
- 16 SIGN, SWD
- 18 POC COLUMN, SSD
- 20 COLUMN, SSD
- 26 MAINTENANCE TELEPHONE, SCMD
- 33 CAMERA, SCMD
- 36 SHELTER CANOPY
- 41 TVM SHELTER CANOPY, SEE AT111
- 42 PUBLIC ADDRESS SPEAKER HOUSING, SCMD
- 43 GRAPHICS DISPLAY KIOSK, SEE 2/AT332
- 45 BENCH
- 46 WINDSCREEN
- 54 TRASH RECEPTACLE, SEE 7/AT333
- 67 FLEXIBLE BOLLARDS
- 75 FIRE HOSE CONNECTION, SFPD
- 81 CONTROL JOINT, SSD

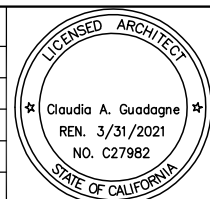


1 EAST ELEVATION AP501
 AP507 SCALE: 1/16"=1'-0"



Dell 530 Jun 21, 2020 - 1:37pm C:\cadd\15\15\cadd\15\15\1501\AP507.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED FMG ARCHITECTS 330 15TH STREET OAKLAND, CA 94612 510-465-8700 TEL www.fmgarchitects.com	
DESIGNED M. Grindulo	CHECKED C. Guadagne
DRAWN L. Canlas	CADD FILE NAME 801AP507.DWG



APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 06/21/2020	SCALE 1/16"=1'-0"
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL - STORY STATION AERIAL CENTER PLATFORM EAST ELEVATION			SHEET OF DRAWING NO. AP507 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

NOTES:

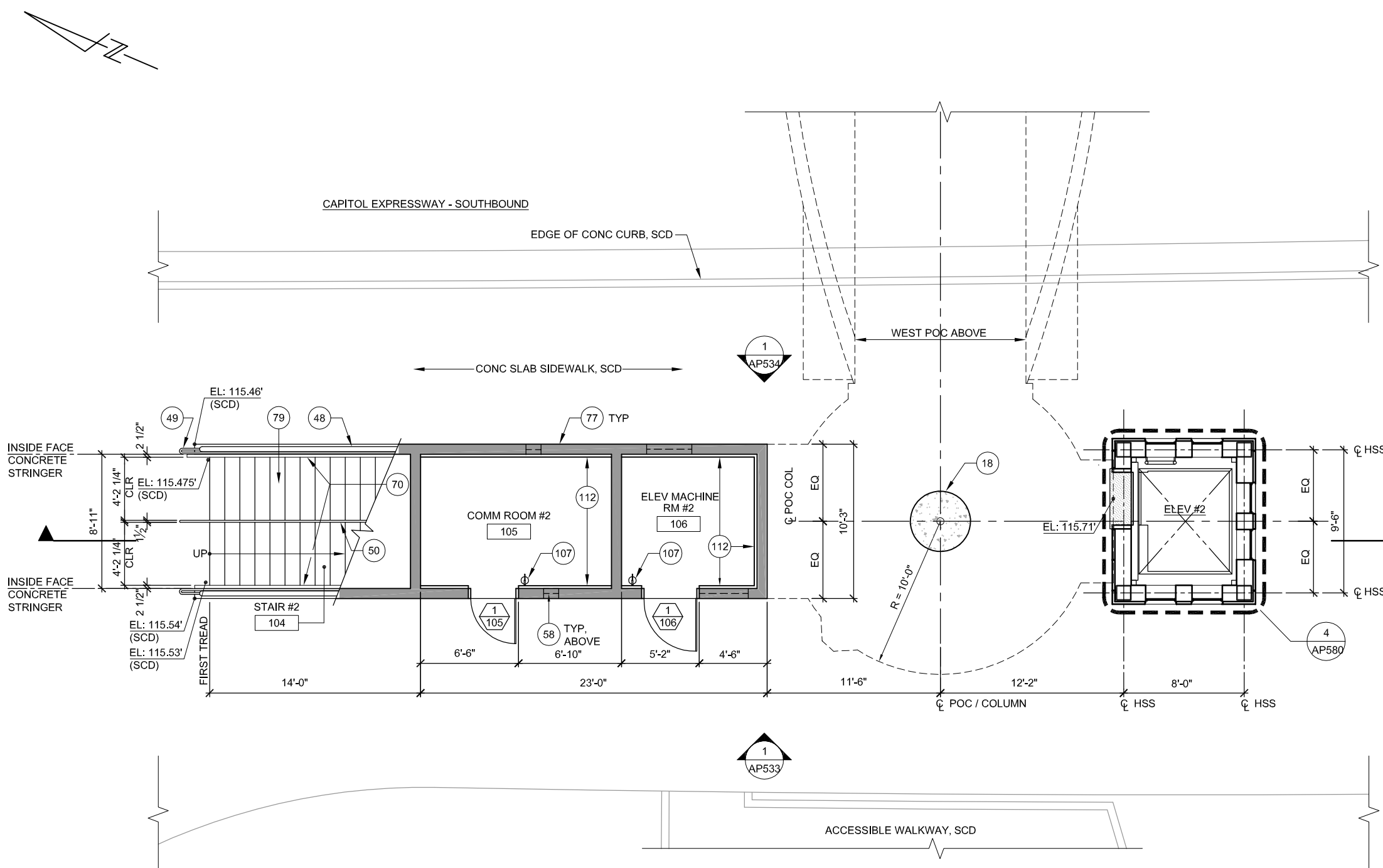
1. REFER TO STRUCTURAL, CIVIL, COMMUNICATIONS, ELECTRICAL, PLUMBING AND ELEVATOR DRAWINGS FOR ADDITIONAL INFORMATION
2. PAINT ALL EXPOSED STEEL
3. SEE AP531 FOR STAIR INFORMATION
4. SEE AP568 FOR DOOR SCHEDULE
5. SEE AP569 FOR FINISH SCHEDULE
6. PROVIDE 1/8" THICK CEMENTITIOUS WATERPROOFING BOND COAT ON THE CONCRETE STAIR.

KEY NOTES:

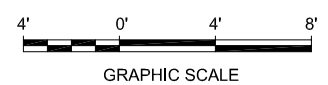
- (18) POC COLUMN, SSD
- (48) GUARDRAIL
- (49) HANDRAIL
- (50) HANDRAIL WITH LED, SED
- (58) LOUVER, SMD
- (70) STEEL BICYCLE WHEEL GUIDE
- (77) CONCRETE WALL, SSD
- (79) CONCRETE STAIRS, SSD
- (107) FIRE EXTINGUISHER
- (112) METAL STUDS WITH GYPSUM BOARD

LEGEND:

- CONCR WALL, 2 HR RATED, SSD

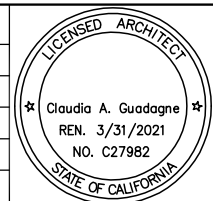


1
AP530 ENLARGED POC PLAN - WEST ACCESS GROUND LEVEL
SCALE: 1/4"=1'-0"



Dell_530 Jun 21, 2020 - 1:55pm C:\cadd\15\cadd\15\cadd\15\west\1501\AP530.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



FMG ARCHITECTS
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CADD FILE NAME: 801AP530.DWG

Santa Clara Valley Transportation Authority

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/21/2020
SCALE: 1/4"=1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - STORY STATION
WEST ACCESS
GROUND LEVEL PLAN

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

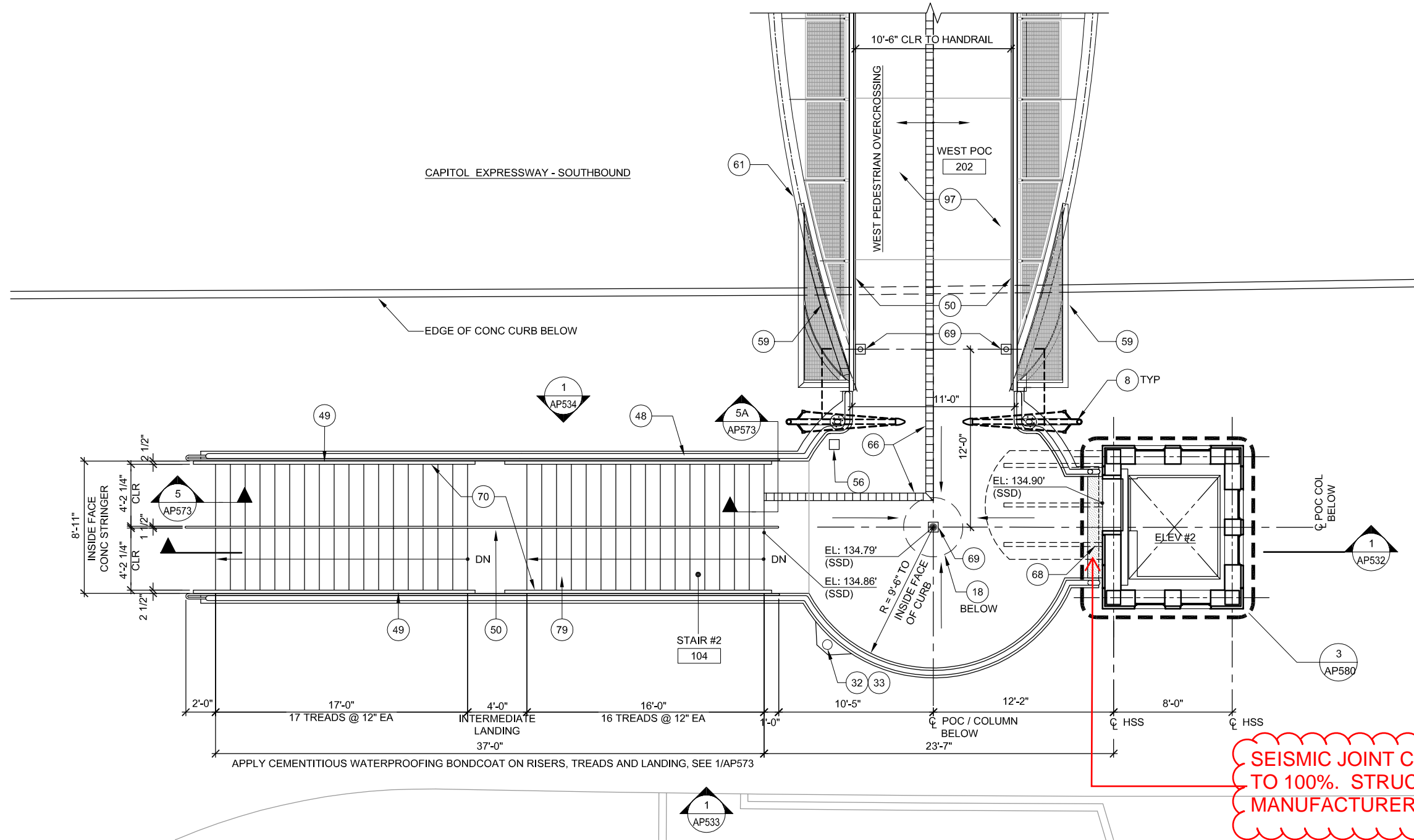
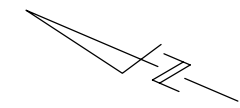
SHEET OF DRAWING NO. AP530 REVISION B

NOTES:

1. REFER TO STRUCTURAL, CIVIL, COMMUNICATIONS, ELECTRICAL, PLUMBING AND ELEVATOR DRAWINGS FOR ADDITIONAL INFORMATION
2. PAINT ALL EXPOSED STEEL
3. SEE AP569 FOR FINISH SCHEDULE
4. PROVIDE 1/8" THICK CEMENTITIOUS WATERPROOFING BOND COAT ON THE CONCRETE STAIR.

KEY NOTES:

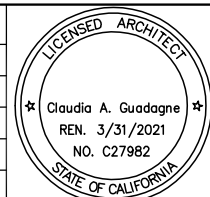
- 8 LIGHT POLE, SLANTED, SED
- 18 POC COLUMN, SSD
- 32 CAMERA POLE, SSD AND SCMD
- 33 CAMERA, SCMD
- 48 GUARDRAIL
- 49 HANDRAIL
- 50 HANDRAIL WITH LED, SED
- 56 GROUND HYDRANT, SPD
- 59 FENCE SCREEN, 8'-0" HIGH
- 61 STEEL ARCH RIB, SSD
- 66 DETECTABLE DIRECTIONAL TILE
- 68 SEISMIC JOINT COVER
- 69 AREA DRAIN, SPD
- 70 STEEL BICYCLE WHEEL GUIDE
- 79 CONCRETE STAIRS, SSD
- 97 CONCRETE SLAB, SSD



1 ENLARGED PLAN - WEST ACCESS, POC LEVEL AP610
 AP531 SCALE: 1/4"=1'-0"

Dell 530 Jun 25, 2020 3:40pm C:\oadrdb\p\locates\west\mns98371\801AP531.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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 CHECKED: C. Guadagne
 DRAWN: L. Canlas
 CADD FILE NAME: 801AP531.DWG

Santa Clara Valley Transportation Authority

BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/25/2020
 SCALE: 1/4"=1'-0"
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 WEST ACCESS
 POC LEVEL PLAN

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

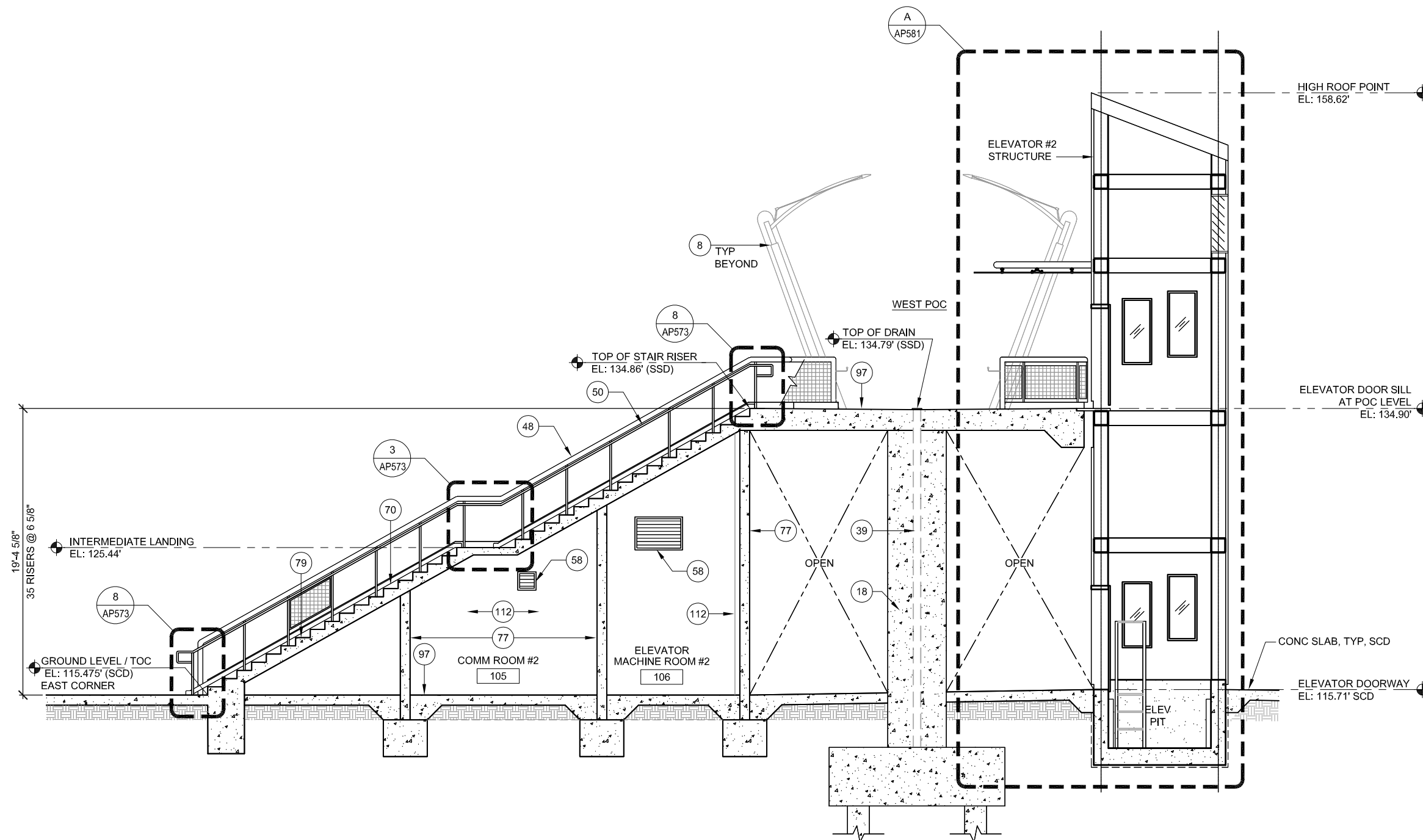
SHEET OF DRAWING NO. AP531 REVISION B

NOTES:

1. REFER TO STRUCTURAL, CIVIL, MECHANICAL, PLUMBING, COMMUNICATIONS, ELECTRICAL AND ELEVATOR DWGS FOR ADDITIONAL INFORMATION
2. PAINT ALL EXPOSED STEEL
3. SEE AP569 FOR FINISH SCHEDULE
4. PROVIDE 1/8" THICK CEMENTITIOUS WATERPROOFING BOND COAT ON THE CONCRETE STAIR

KEY NOTES:

- 8 LIGHT POLE, SLANTED, SED
- 18 POC COLUMN, SSD
- 39 RAIN WATER LEADER, SPD
- 48 GUARDRAIL
- 50 HANDRAIL WITH LED, SED
- 58 LOUVER, SMD
- 70 STEEL BICYCLE WHEEL GUIDE
- 77 CONCRETE WALL, SSD
- 79 CONCRETE STAIRS, SSD
- 97 CONCRETE SLAB, SSD
- 112 METAL STUDS WITH GYPSUM BOARD



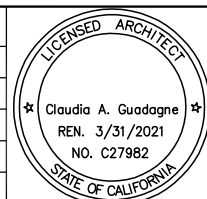
1 SECTION - WEST ACCESS
AP532 SCALE: 1/4"=1'-0"

AP530
AP531



E:\Bueno Jun 23, 2020 - 6:17pm C:\cadd\Bueno\Bueno\west\cadd\8371\801AP532.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED		 330 15TH STREET OAKLAND, CA 94612 510-465-8700 TEL www.fmgarchitects.com	
DESIGNED	M. Grindulo	CHECKED	C. Guadagne
DRAWN	L. Canlas	CADD FILE NAME	801AP532.DWG



APPROVED		 ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	06/23/2020	SCALE	1/4"=1'-0"
SUBMITTAL DATE	06/29/2020	BOARD APPROVAL DATE	

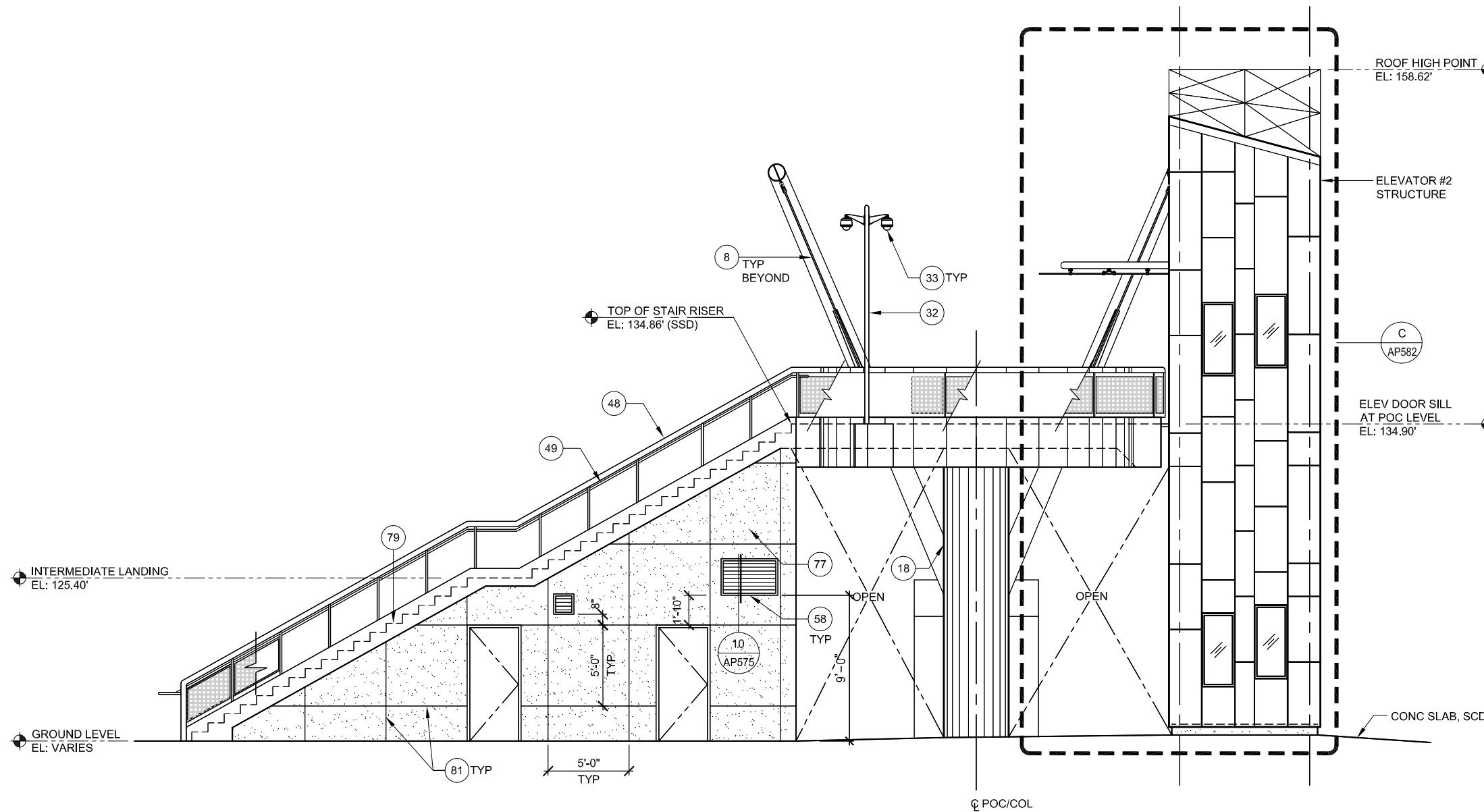
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL - STORY STATION WEST ACCESS SECTION			SHEET OF DRAWING NO. AP532 REVISION B
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	

NOTES:

1. REFER TO STRUCTURAL, CIVIL, MECHANICAL, PLUMBING, COMMUNICATIONS, ELECTRICAL AND ELEVATOR DWGS FOR ADDITIONAL INFORMATION.
2. PAINT ALL EXPOSED STEEL.

KEY NOTES:

- 8 LIGHT POLE, SLANTED, SED
- 18 POC COLUMN, SSD
- 32 CAMERA POLE, SCMD, SSD
- 33 CAMERA, SCMD
- 48 GUARDRAIL
- 49 HANDRAIL
- 58 LOUVER, SMD
- 77 CONCRETE WALL, SSD
- 79 CONCRETE STAIRS, SSD
- 81 CONTROL JOINT, SSD

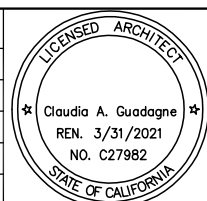


1 WEST ELEVATION - WEST ACCESS
AP533 SCALE: 1/4"=1'-0"



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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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330 15TH STREET
OAKLAND, CA 94612
510-465-8700 TEL
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DESIGNED: M. Grindulo
CHECKED: C. Guadagne
DRAWN: L. Canlas
CADD FILE NAME: 801AP533.DWG



AP530
AP531

APPROVED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/21/2020
SCALE: 1/4"=1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - STORY STATION
WEST ACCESS
WEST ELEVATION

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

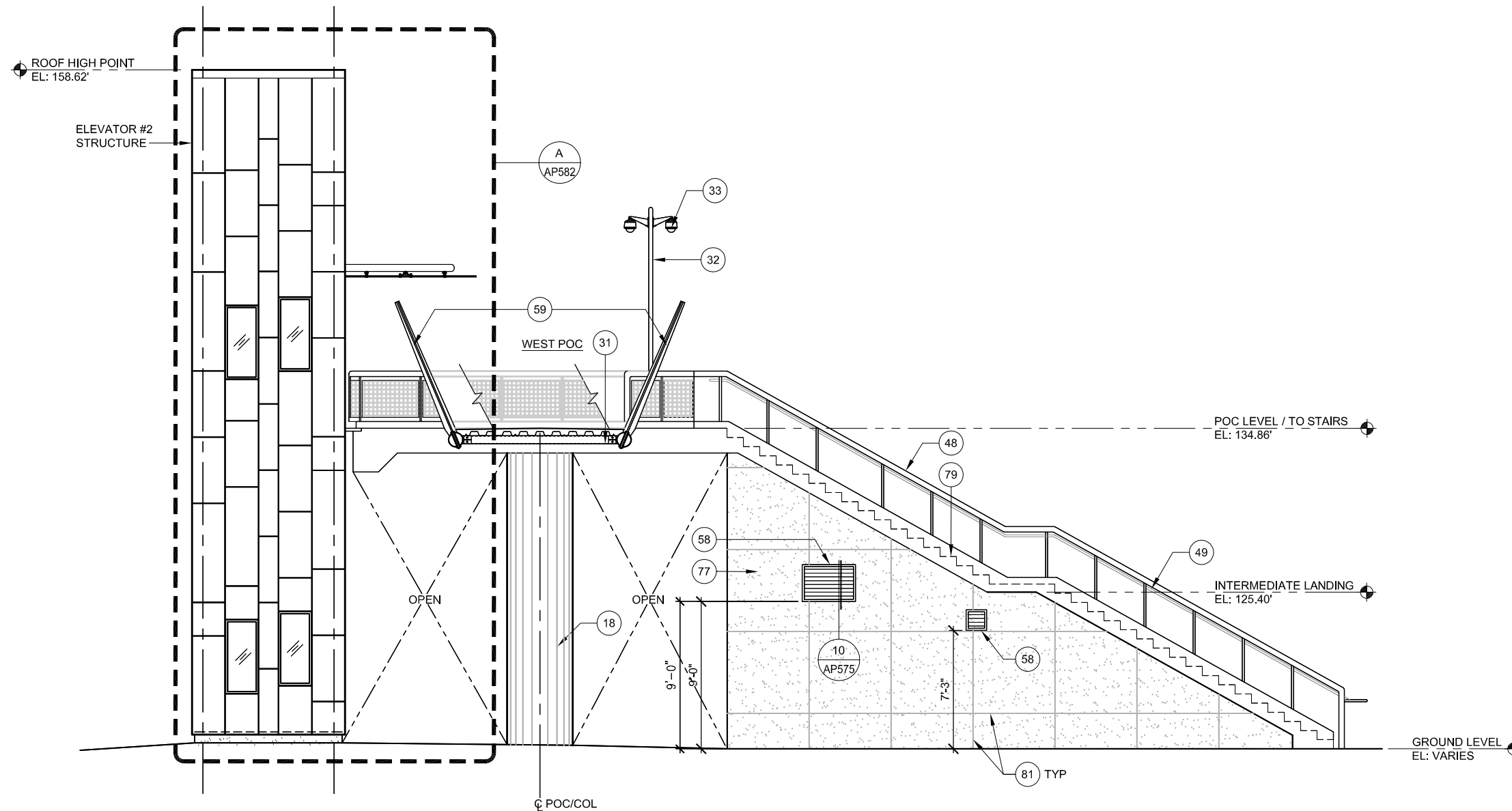
SHEET OF	DRAWING NO. AP533
REVISION	B

NOTES:

1. REFER TO STRUCTURAL, CIVIL, MECHANICAL, PLUMBING, COMMUNICATIONS, ELECTRICAL AND ELEVATOR DWGS FOR ADDITIONAL INFORMATION.
2. PAINT ALL EXPOSED STEEL.

KEY NOTES:

- 18 POC COLUMN, SSD
- 31 PEDESTRIAN OVERCROSSING, SSD
- 32 CAMERA POLE, SCMD, SSD
- 33 CAMERA, SCMD
- 48 GUARDRAIL
- 49 HANDRAIL
- 58 LOUVER, SMD
- 59 FENCE SCREEN, 8'-0" HIGH
- 77 CONCRETE WALL, SSD
- 79 CONCRETE STAIRS, SSD
- 81 CONTROL JOINT, SSD



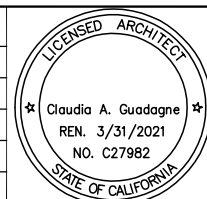
1 EAST ELEVATION - WEST ACCESS
AP534 SCALE: 1/4"=1'-0"

AP530
AP531



Dell 530 Jun 21, 2020 - 2:08pm C:\cadd\lib\pca\cas\west\cas\8371\801AP534.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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DESIGNED	CHECKED
M. Grindulo	C. Guadagne
DRAWN	CADD FILE NAME
L. Canlas	801AP534.DWG



APPROVED	
 ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
06/21/2020	1/4"=1'-0"
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL - STORY STATION WEST ACCESS EAST ELEVATION		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE
SHEET OF		DRAWING NO.
		AP534
		REVISION
		B

NOTES:

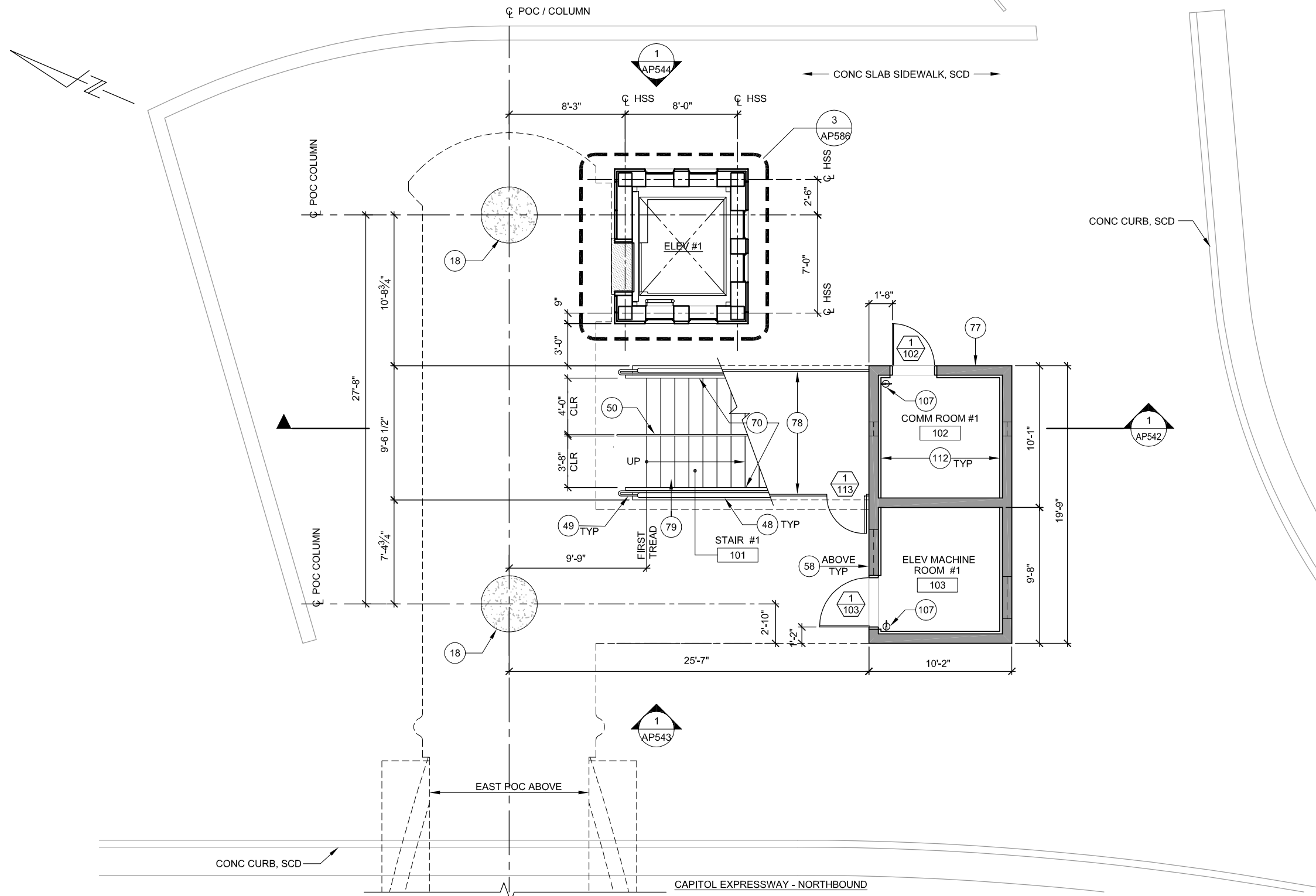
1. REFER TO STRUCTURAL, CIVIL, MECHANICAL, PLUMBING, COMMUNICATIONS, ELECTRICAL AND ELEVATOR DRAWINGS FOR ADDITIONAL INFORMATION.
2. PAINT ALL EXPOSED STEEL.
3. SEE AP541 FOR STAIR INFORMATION.
4. SEE AP568 FOR DOOR SCHEDULE.
5. SEE AP569 FOR FINISH SCHEDULE.
6. PROVIDE 1/8" THICK CEMENTITIOUS WATERPROOFING BOND COAT ON THE CONCRETE STAIR.

KEY NOTES:

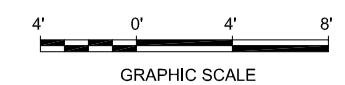
- 18 POC COLUMN, SSD
- 48 GUARDRAIL
- 49 HANDRAIL
- 50 HANDRAIL WITH LED, SED
- 58 LOUVER, SMD
- 70 STEEL BICYCLE WHEEL GUIDE
- 77 CONCRETE WALL, SSD
- 78 METAL RAILING, SSD
- 79 CONCRETE STAIRS, SSD
- 107 FIRE EXTINGUISHER
- 112 METAL STUDS WITH GYPSUM BOARD

LEGEND:

CONC WALL, 2 HR RATED, SSD

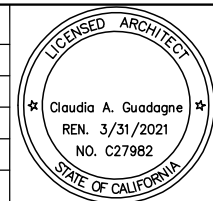


1 ENLARGED PLAN - EAST ACCESS, GROUND LEVEL AP500
 AP540 SCALE: 1/4"=1'-0"



Dell 530 Jun 21, 2020 - 2:34pm C:\cadfiles\p\scans\west\csm98371\801AP540.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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FMG ARCHITECTS
 330 15TH STREET
 OAKLAND, CA 94612
 510-465-8700 TEL
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DESIGNED: M. Grindulo
 CHECKED: C. Guadagne
 DRAWN: L. Canlas
 CADD FILE NAME: 801AP540.DWG

Santa Clara Valley Transportation Authority

APPROVED

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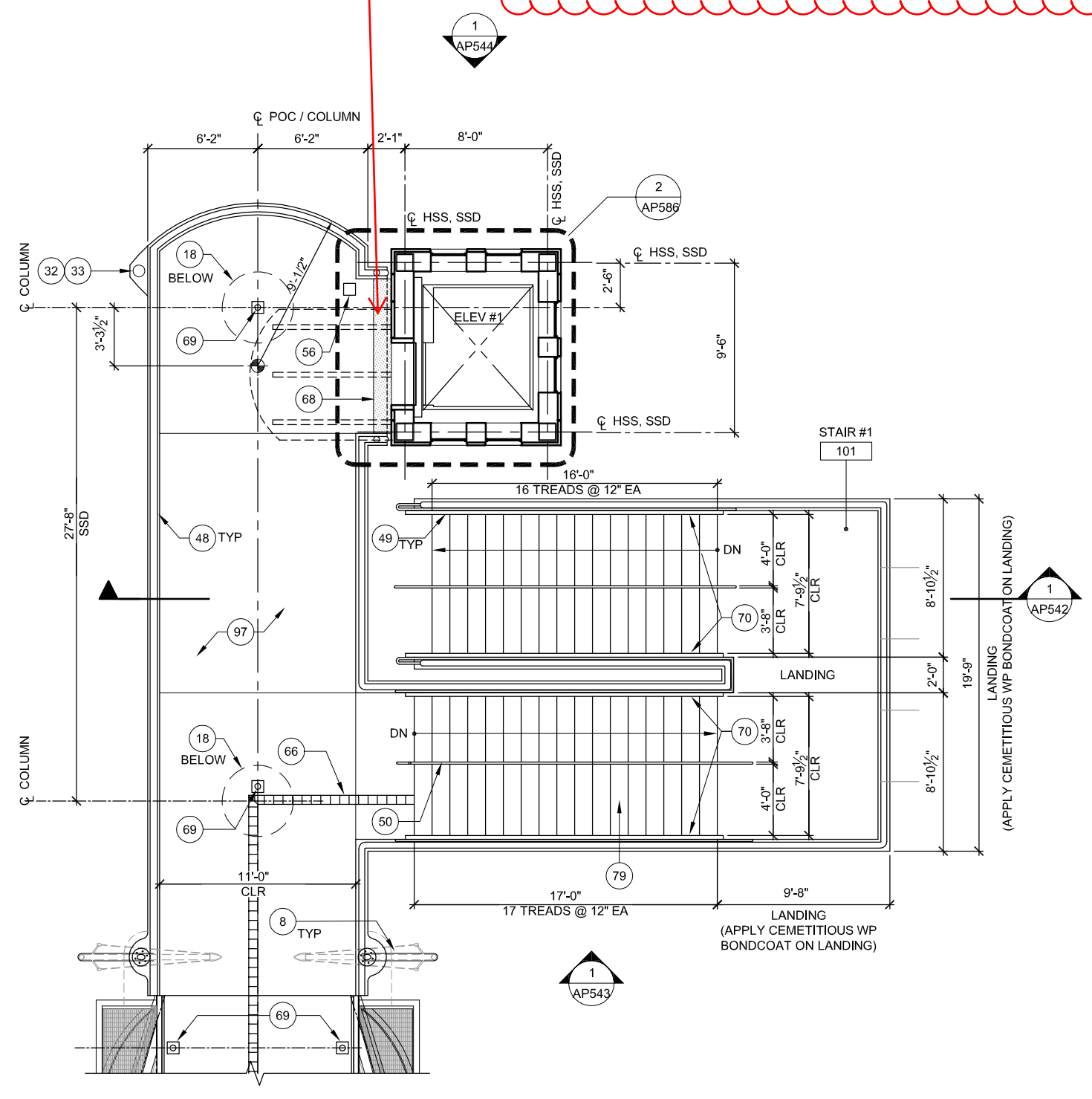
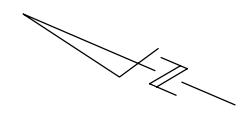
CADD FILE DATE: 06/21/2020
 SCALE: 1/4"=1'-0"
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 EAST ACCESS
 GROUND LEVEL PLAN

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. AP540 REVISION B

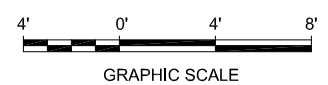
SEISMIC JOINT COVER REVISIONS DEFERRED TO 100%. STRUCTURAL COORDINATION WITH MANUFACTURER IS NOT DONE



- NOTES:**
1. REFER TO STRUCTURAL, CIVIL, MECHANICAL, PLUMBING, COMMUNICATIONS, ELECTRICAL AND ELEVATOR DRAWINGS FOR ADDITIONAL INFORMATION
 2. PAINT ALL EXPOSED STEEL
 3. SEE AP569 FOR FINISH SCHEDULE
 4. PROVIDE 1/8" THICK CEMENTITIOUS WATERPROOFING BOND COAT ON THE CONCRETE STAIR.

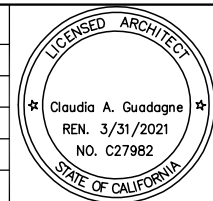
- KEY NOTES:**
- 8 LIGHT POLE, SLANTED, SED
 - 18 POC COLUMN, SSD
 - 32 CAMERA POLE, SSD, SCMD
 - 33 CAMERA, SCMD
 - 48 GUARDRAIL
 - 49 HANDRAIL
 - 50 HANDRAIL WITH LED, SED
 - 56 GROUND HYDRANT, SPD
 - 66 DETECTABLE DIRECTIONAL TILE
 - 68 SEISMIC JOINT COVER
 - 69 AREA DRAIN, SPD
 - 70 STEEL BICYCLE WHEEL GUIDE
 - 79 CONCRETE STAIRS, SSD
 - 97 CONCRETE SLAB, SSD

1 ENLARGED PLAN - EAST ACCESS, POC LEVEL PLAN
 AP541 SCALE: 1/4"=1'-0" AP610



Dell 530 Jun 25, 2020 - 6:37pm C:\cadd\p\m\con\m\west\mns88371\801AP541.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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FMG ARCHITECTS
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 OAKLAND, CA 94612
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DESIGNED: M. Grindulo
 CHECKED: C. Guadagne
 DRAWN: L. Canlas
 CADD FILE NAME: 801AP541.DWG

Santa Clara Valley Transportation Authority

APPROVED

BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/25/2020
 SCALE: 1/4"=1'-0"
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 EAST ACCESS
 POC LEVEL PLAN

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

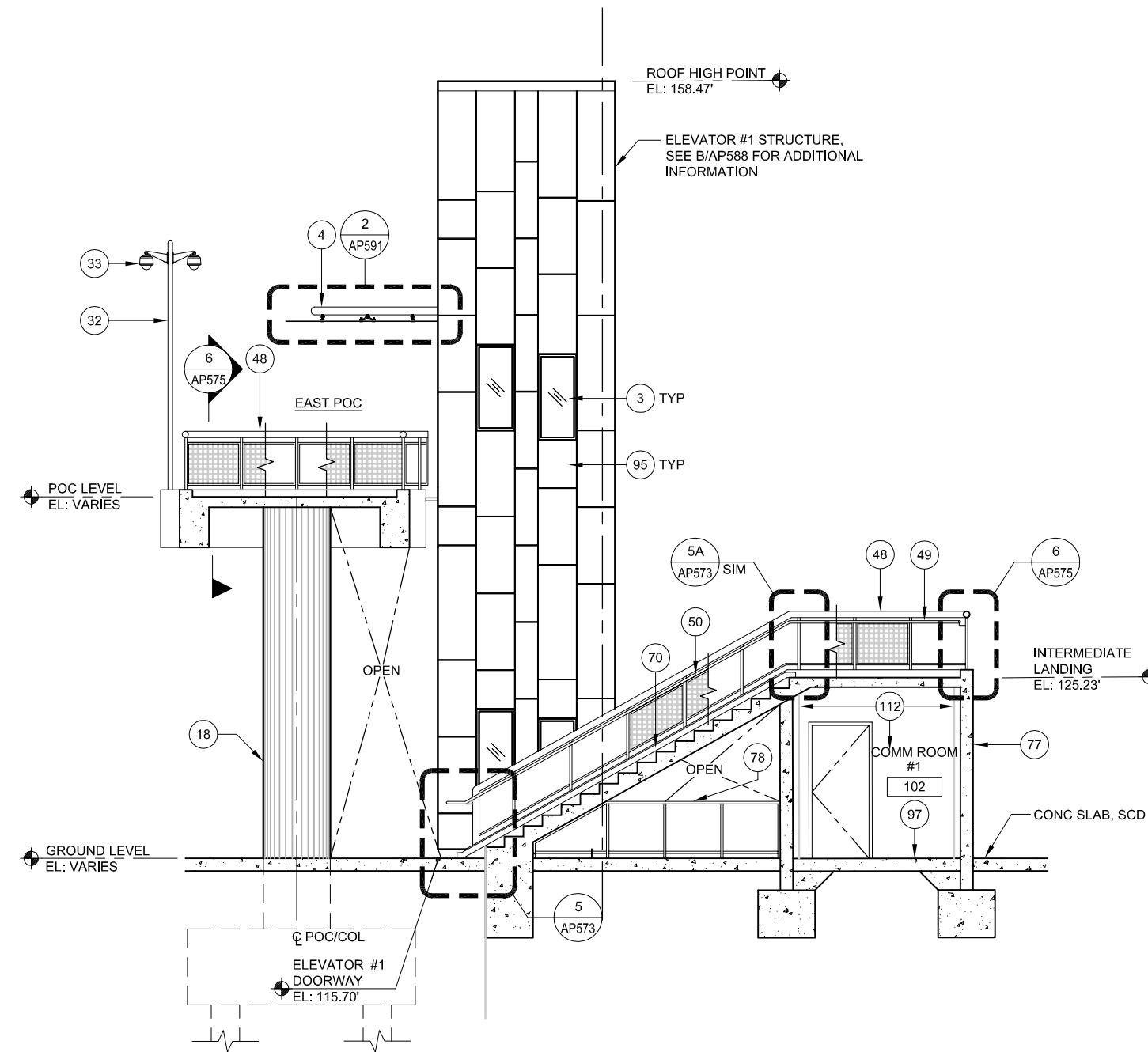
SHEET OF	DRAWING NO. AP541
REVISION	B

NOTES:

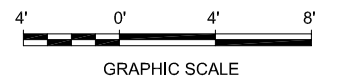
1. REFER TO STRUCTURAL, CIVIL, MECHANICAL, PLUMBING, COMMUNICATIONS, ELECTRICAL AND ELEVATOR DWGS FOR ADDITIONAL INFORMATION.
2. PAINT ALL EXPOSED STEEL.
3. SEE AP569 FOR FINISH SCHEDULE.
4. PROVIDE 1/8" THICK CEMENTITIOUS WATERPROOFING BOND COAT ON THE CONCRETE STAIR.

KEY NOTES:

- 3 ALUMINUM - FRAME WINDOW
- 4 CANOPY
- 18 POC COLUMN, SSD
- 32 CAMERA POLE, SCMD, SSD
- 33 CAMERA, SCMD
- 48 GUARDRAIL
- 49 HANDRAIL
- 50 HANDRAIL WITH LED, SED
- 70 STEEL BICYCLE WHEEL GUIDE
- 77 CONCRETE WALL, SSD
- 78 METAL RAILING, SSD
- 95 METAL WALL PANEL
- 97 CONCRETE SLAB, SSD
- 112 METAL STUDS WITH GYPSUM BOARD

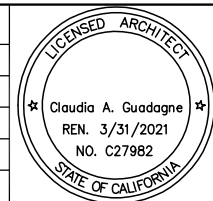


1 SECTION - EAST ACCESS
 AP542 SCALE: 1/4"=1'-0" AP540 AP541



Dell 530 Jun 21, 2020 3:15pm C:\cadd\815\cantos\west\cans8371\801AP542.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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FMG ARCHITECTS
 330 15TH STREET
 OAKLAND, CA 94612
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DESIGNED: M. Grindulo
 CHECKED: C. Guadagne
 DRAWN: L. Canlas
 CADD FILE NAME: 801AP542.DWG

Santa Clara Valley Transportation Authority

APPROVED

BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/21/2020
 SCALE: 1/4"=1'-0"
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 EAST ACCESS
 SECTION

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

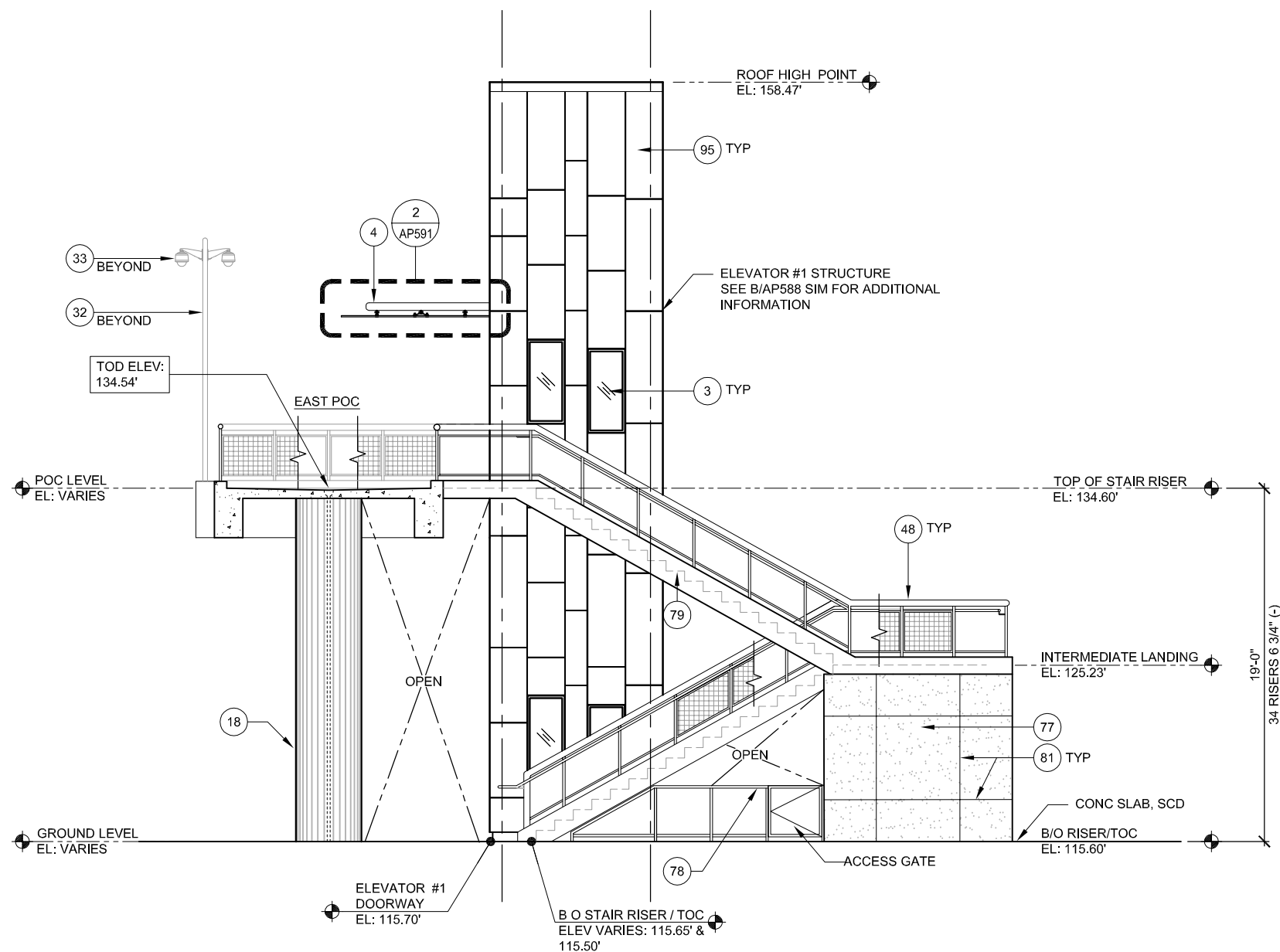
SHEET OF DRAWING NO. AP542 REVISION B

NOTES:

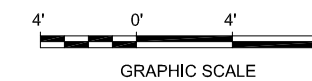
- REFER TO STRUCTURAL, CIVIL, MECHANICAL, PLUMBING, COMMUNICATIONS, ELECTRICAL AND ELEVATOR DWGS FOR ADDITIONAL INFORMATION.
- PAINT ALL EXPOSED STEEL.

KEY NOTES:

- 3 ALUMINUM - FRAME WINDOW
- 4 CANOPY
- 18 POC COLUMN, SSD
- 32 CAMERA POLE, SSD, SCMD
- 33 CAMERA, SCMD
- 48 GUARDRAIL
- 77 CONCRETE WALL, SSD
- 78 METAL RAILING, SSD
- 79 CONCRETE STAIRS, SSD
- 81 CONTROL JOINT, SSD
- 95 METAL WALL PANEL

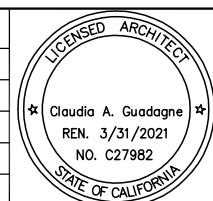


1 WEST ELEVATION - EAST ACCESS
 AP543 SCALE: 1/4"=1'-0"
 AP540
 AP541



Dell 530 Jun 21, 2020 - 3:17pm C:\caddfiles\lcm\cadd\west\m83371\801\AP543.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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 CHECKED: C. Guadagne
 DRAWN: L. Canlas
 CADD FILE NAME: 801AP543.DWG



BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/21/2020
 SCALE: 1/4"=1'-0"
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 EAST ACCESS
 WEST ELEVATION

SHEET OF: AP543
 REVISION: B

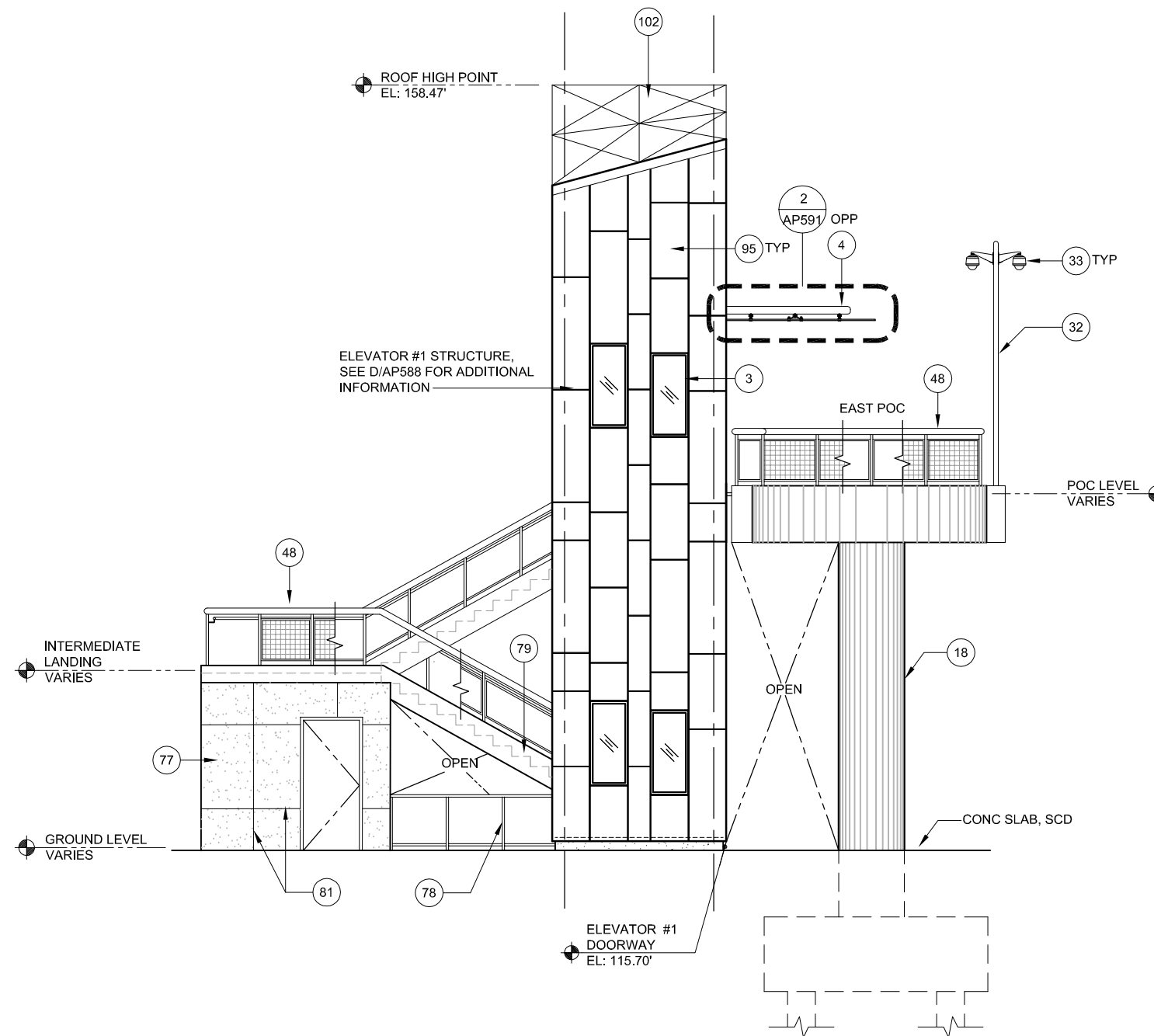
PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

NOTES:

1. REFER TO STRUCTURAL, CIVIL, MECHANICAL, PLUMBING, COMMUNICATIONS, ELECTRICAL AND ELEVATOR DWGS FOR ADDITIONAL INFORMATION.
2. PAINT ALL EXPOSED STEEL.

KEY NOTES:

- 3 ALUMINUM - FRAME WINDOW
- 4 CANOPY
- 18 POC COLUMN, SSD
- 32 CAMERA POLE, SSD, SCMD
- 33 CAMERA, SCMD
- 48 GUARDRAIL
- 77 CONCRETE WALL, SSD
- 78 METAL RAILING, SSD
- 79 CONCRETE STAIRS, SSD
- 81 CONTROL JOINT, SSD
- 95 METAL WALL PANEL
- 102 METAL ROOF SHINGLES

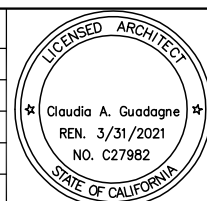


1 EAST ELEVATION - EAST ACCESS
 AP544 SCALE: 1/4"=1'-0" AP540 AP541



Dell 530 Jun 21, 2020 - 3:18pm C:\cadd\l\scant\west\lms8371\801AP544.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED

FMG ARCHITECTS
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 CHECKED: C. Guadagne
 DRAWN: L. Canlas
 CADD FILE NAME: 801AP544.DWG

Santa Clara Valley Transportation Authority

APPROVED

BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/21/2020
 SCALE: 1/4"=1'-0"
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 EAST ACCESS
 EAST ELEVATION

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. AP544 REVISION B

NOTES:

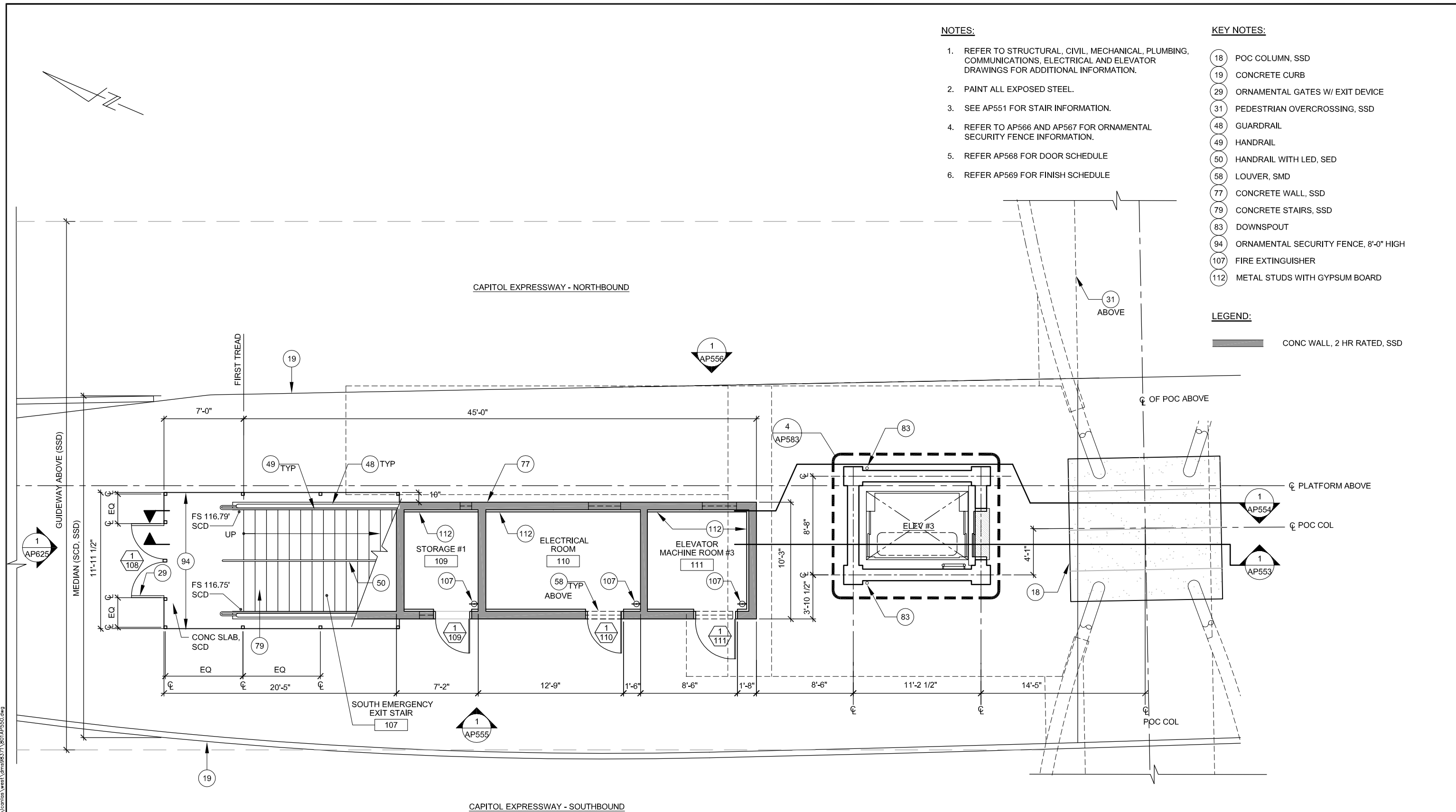
1. REFER TO STRUCTURAL, CIVIL, MECHANICAL, PLUMBING, COMMUNICATIONS, ELECTRICAL AND ELEVATOR DRAWINGS FOR ADDITIONAL INFORMATION.
2. PAINT ALL EXPOSED STEEL.
3. SEE AP551 FOR STAIR INFORMATION.
4. REFER TO AP566 AND AP567 FOR ORNAMENTAL SECURITY FENCE INFORMATION.
5. REFER AP568 FOR DOOR SCHEDULE
6. REFER AP569 FOR FINISH SCHEDULE

KEY NOTES:

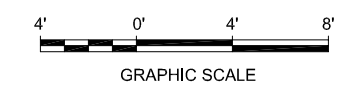
- 18 POC COLUMN, SSD
- 19 CONCRETE CURB
- 29 ORNAMENTAL GATES W/ EXIT DEVICE
- 31 PEDESTRIAN OVERCROSSING, SSD
- 48 GUARDRAIL
- 49 HANDRAIL
- 50 HANDRAIL WITH LED, SED
- 58 LOUVER, SMD
- 77 CONCRETE WALL, SSD
- 79 CONCRETE STAIRS, SSD
- 83 DOWNSPOUT
- 94 ORNAMENTAL SECURITY FENCE, 8'-0" HIGH
- 107 FIRE EXTINGUISHER
- 112 METAL STUDS WITH GYPSUM BOARD

LEGEND:

CONC WALL, 2 HR RATED, SSD

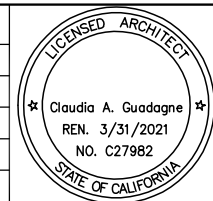


1 SOUTH EMERGENCY EXIT - GROUND LEVEL PLAN AP500
 SCALE: 1/4"=1'-0"



Dell ESJ - Jun 21, 2020 - 3:27pm - C:\cadd\lib\lpa\locates\west\lpa\8371\801\AP550.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



DESIGNED BY: M. Grindulo
 CHECKED BY: C. Guadagne
 DRAWN BY: L. Canlas
 CADD FILE NAME: 801AP550.DWG

Santa Clara Valley Transportation Authority

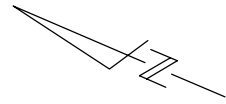
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/21/2020
 SUBMITTAL DATE: 06/29/20
 SCALE: 1/4"=1'-0"
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 SOUTH EMERGENCY EXIT
 GROUND LEVEL PLAN

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

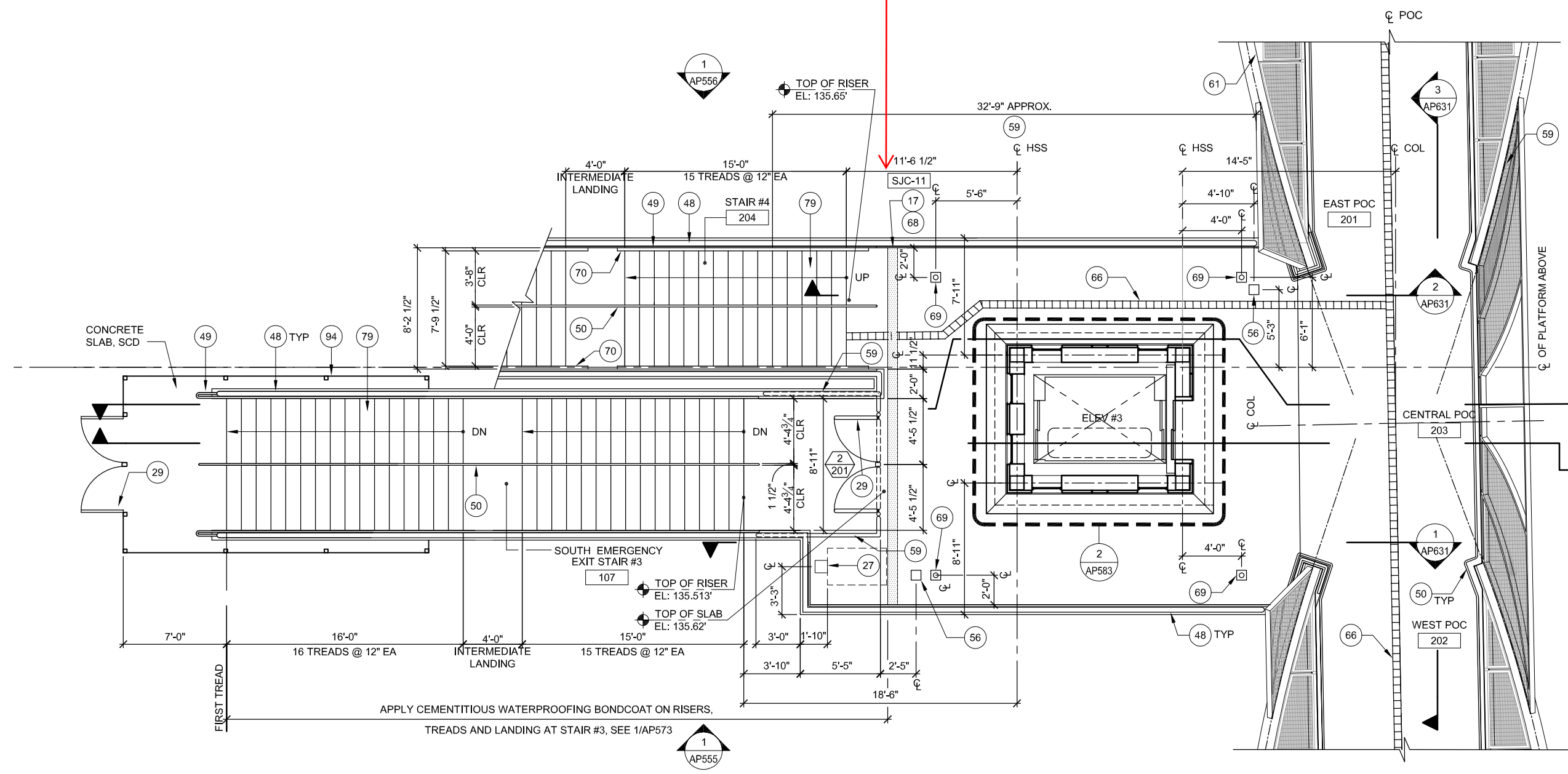
SHEET OF DRAWING NO. AP550 REVISION B



SEISMIC JOINT COVER REVISIONS DEFERRED TO 100%. STRUCTURAL COORDINATION WITH MANUFACTURER IS NOT DONE

- NOTES:**
- REFER TO STRUCTURAL, CIVIL, MECHANICAL, PLUMBING, COMMUNICATIONS, ELECTRICAL AND ELEVATOR DRAWINGS FOR ADDITIONAL INFORMATION
 - PAINT ALL EXPOSED STEEL
 - REFER TO AP566 AND AP567 FOR ORNAMENTAL SECURITY FENCE INFORMATION
 - SEE AP568 FOR DOOR SCHEDULE

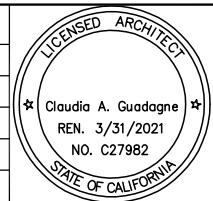
- KEY NOTES:**
- 17 SEISMIC JOINT, SSD
 - 18 POC COLUMN, SSD
 - 27 EMERGENCY TELEPHONE, SCMD
 - 29 ORNAMENTAL GATES W/ EXIT DEVICE
 - 48 GUARDRAIL
 - 49 HANDRAIL
 - 50 HANDRAIL WITH LED, SED
 - 56 GROUND HYDRANT, SPD
 - 59 FENCE SCREEN, 8'-0" HIGH
 - 61 STEEL ARCH RIB, SSD
 - 66 DETECTABLE DIRECTIONAL TILE
 - 68 SEISMIC JOINT COVER
 - 69 AREA DRAIN, SPD
 - 70 STEEL BICYCLE WHEEL GUIDE
 - 79 CONCRETE STAIRS, SSD
 - 94 ORNAMENTAL SECURITY FENCE, 8'-0" HIGH



1 PLATFORM ACCESS - POC LEVEL PLAN
 AP551 SCALE: 1/4"=1'-0" AP550 AP610

Dell 530 Jun 26, 2020 10:34am C:\cadd\lib\vw\loc\mca\west\mca88371\80\AP551.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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 CHECKED: C. Guadagne
 DRAWN: L. Canlas
 CADD FILE NAME: 801AP551.DWG



BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/26/2020
 SUBMITTAL DATE: 06/29/20
 SCALE: 1/4"=1'-0"
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL STATION
 ARCHITECTURAL - STORY ACCESS
 POC LEVEL PLAN

SHEET OF: AP551
 REVISION: B

PCA NO.: 000 CONTRACT NO.: C801 FILE LOCATION: PROJECTWISE

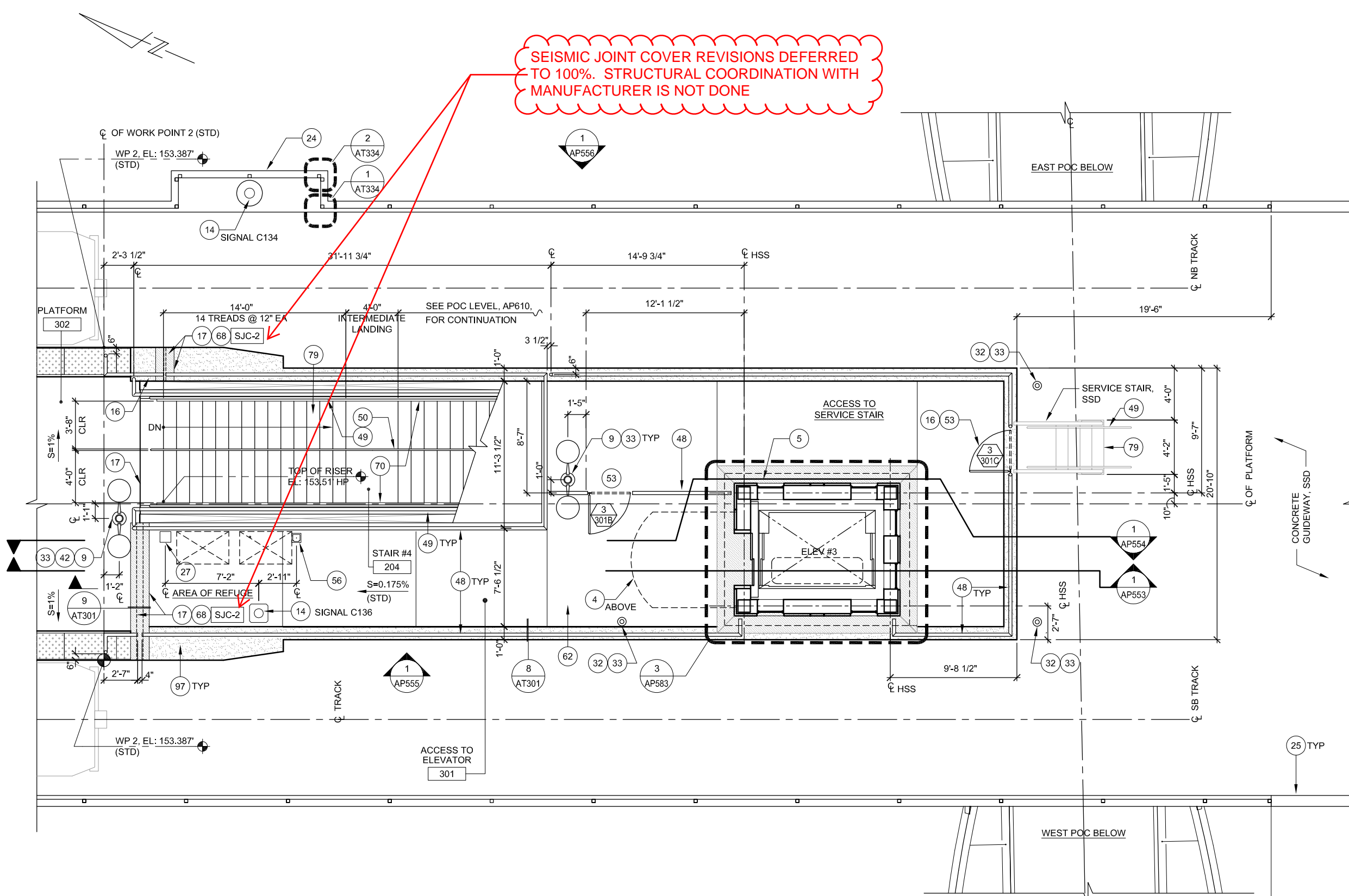
SEISMIC JOINT COVER REVISIONS DEFERRED TO 100%. STRUCTURAL COORDINATION WITH MANUFACTURER IS NOT DONE

NOTES:

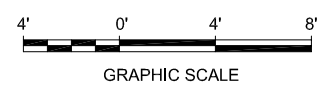
1. REFER TO STRUCTURAL, CIVIL, MECHANICAL, PLUMBING, COMMUNICATIONS, ELECTRICAL AND ELEVATOR DWGS FOR ADDITIONAL INFORMATION.
2. REFER TO AP568 FOR DOOR SCHEDULE
3. PAINT ALL EXPOSED STEEL.
4. REFER TO AP569 FOR FINISH SCHEDULE

KEY NOTES:

- 4 CANOPY
- 5 SEISMIC COVER ALL AROUND HOISTWAY ENCLOSURE
- 9 LIGHT POLE, SED
- 14 TRAIN SIGNAL HEAD, SSGD
- 16 SIGN, SWD
- 17 SEISMIC JOINT, SSD
- 24 STRUCTURAL BUMP OUT, SSD
- 25 SOUND BARRIER, SSD
- 27 EMERGENCY TELEPHONE, SCMD
- 32 CAMERA POLE, SSD, SCMD
- 33 CAMERA, SCMD
- 42 PUBLIC ADDRESS SPEAKER HOUSING, SCMD
- 48 GUARDRAIL
- 49 HANDRAIL
- 50 HANDRAIL WITH LED, SED
- 53 SERVICE GATE
- 56 GROUND HYDRANT, SPD
- 62 CONCRETE TOPPING SLAB
- 68 SEISMIC JOINT COVER
- 70 STEEL BICYCLE WHEEL GUIDE
- 79 CONCRETE STAIRS, SSD
- 97 CONCRETE SLAB, SSD

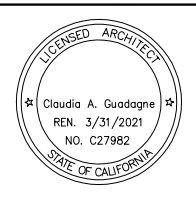


1 PLATFORM ACCESS - PLATFORM LEVEL PLAN AP504
 AP552 SCALE: 1/4"=1'-0"



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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED

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 CHECKED: C. Guadagne
 DRAWN: L. Canlas
 CADD FILE NAME: 801AP552.DWG

Santa Clara Valley Transportation Authority

APPROVED

BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/23/2020
 SCALE: 1/4"=1'-0"
 SUBMITTAL DATE: 06/29/2020
 BOARD APPROVAL DATE:

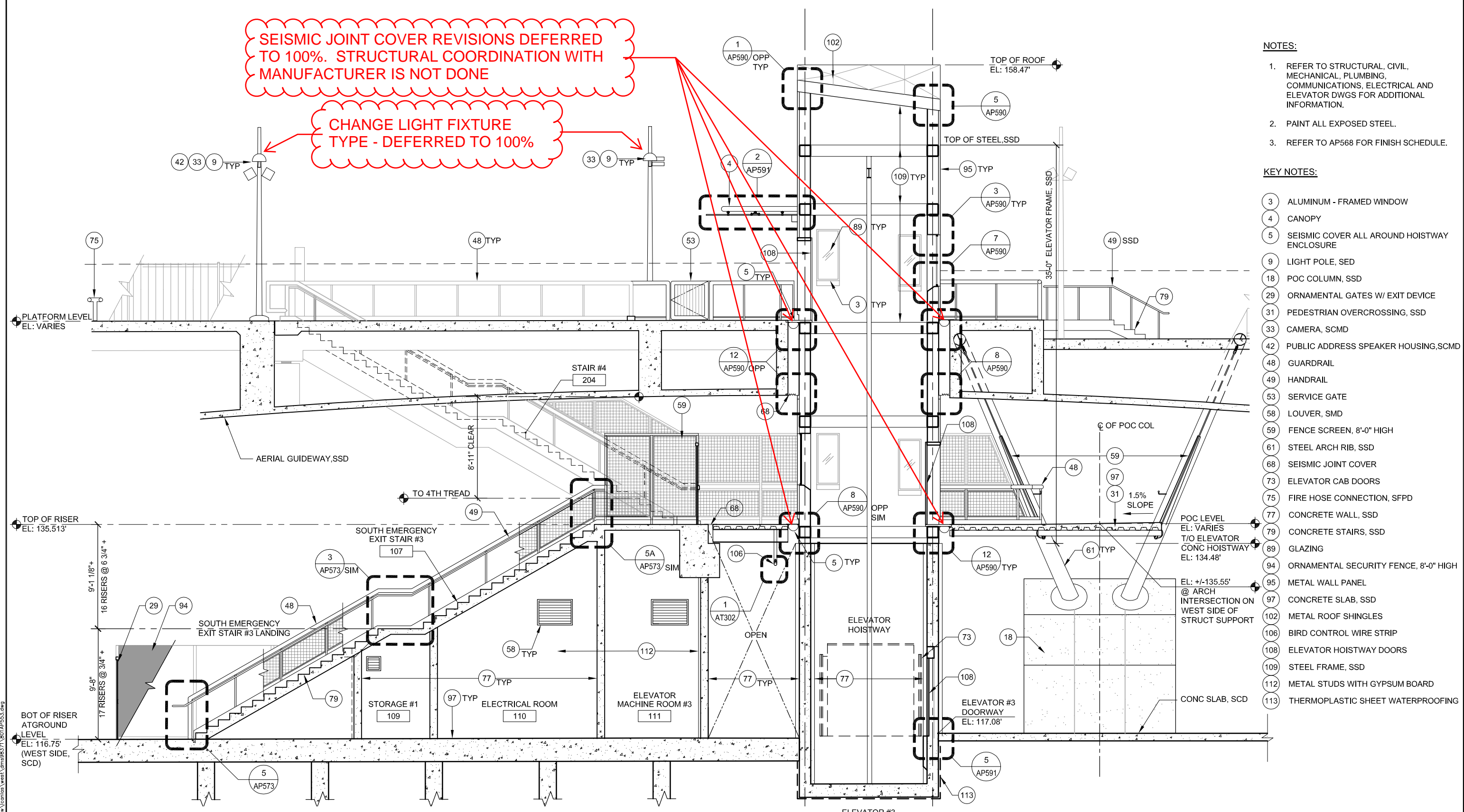
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 PLATFORM ACCESS
 PLATFORM LEVEL PLAN

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF	AP552
DRAWING NO.	AP552
REVISION	B

SEISMIC JOINT COVER REVISIONS DEFERRED TO 100%. STRUCTURAL COORDINATION WITH MANUFACTURER IS NOT DONE

CHANGE LIGHT FIXTURE TYPE - DEFERRED TO 100%



- NOTES:**
- REFER TO STRUCTURAL, CIVIL, MECHANICAL, PLUMBING, COMMUNICATIONS, ELECTRICAL AND ELEVATOR DWGS FOR ADDITIONAL INFORMATION.
 - PAINT ALL EXPOSED STEEL.
 - REFER TO AP568 FOR FINISH SCHEDULE.

- KEY NOTES:**
- 3 ALUMINUM - FRAMED WINDOW
 - 4 CANOPY
 - 5 SEISMIC COVER ALL AROUND HOISTWAY ENCLOSURE
 - 9 LIGHT POLE, SED
 - 18 POC COLUMN, SSD
 - 29 ORNAMENTAL GATES W/ EXIT DEVICE
 - 31 PEDESTRIAN OVERCROSSING, SSD
 - 33 CAMERA, SCMD
 - 42 PUBLIC ADDRESS SPEAKER HOUSING, SCMD
 - 48 GUARDRAIL
 - 49 HANDRAIL
 - 53 SERVICE GATE
 - 58 LOUVER, SMD
 - 59 FENCE SCREEN, 8'-0" HIGH
 - 61 STEEL ARCH RIB, SSD
 - 68 SEISMIC JOINT COVER
 - 73 ELEVATOR CAB DOORS
 - 75 FIRE HOSE CONNECTION, SFPD
 - 77 CONCRETE WALL, SSD
 - 79 CONCRETE STAIRS, SSD
 - 89 GLAZING
 - 94 ORNAMENTAL SECURITY FENCE, 8'-0" HIGH
 - 95 METAL WALL PANEL
 - 97 CONCRETE SLAB, SSD
 - 102 METAL ROOF SHINGLES
 - 106 BIRD CONTROL WIRE STRIP
 - 108 ELEVATOR HOISTWAY DOORS
 - 109 STEEL FRAME, SSD
 - 112 METAL STUDS WITH GYPSUM BOARD
 - 113 THERMOPLASTIC SHEET WATERPROOFING

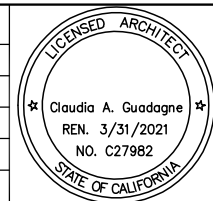
1 SECTION - PLATFORM ACCESS
 AP553 SCALE: 1/4"=1'-0"

AP550 AP552
 AP551



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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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FMG ARCHITECTS
 330 15TH STREET
 OAKLAND, CA 94612
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DESIGNED: M. Grindulo
 CHECKED: C. Guadagne
 DRAWN: L. Canlas
 CADD FILE NAME: 801AP553.DWG

Santa Clara Valley Transportation Authority

APPROVED

BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/21/2020
 SCALE: 1/4"=1'-0"
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 PLATFORM ACCESS
 SECTION 1

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. AP553 REVISION B

TOP OF ROOF
EL: 158.47'

**SEISMIC JOINT COVER
REVISIONS DEFERRED TO 100%.
STRUCTURAL COORDINATION
WITH MANUFACTURER IS NOT
DONE**

PLATFORM LEVEL
EL: VARIES

POC LEVEL
EL: VARIES

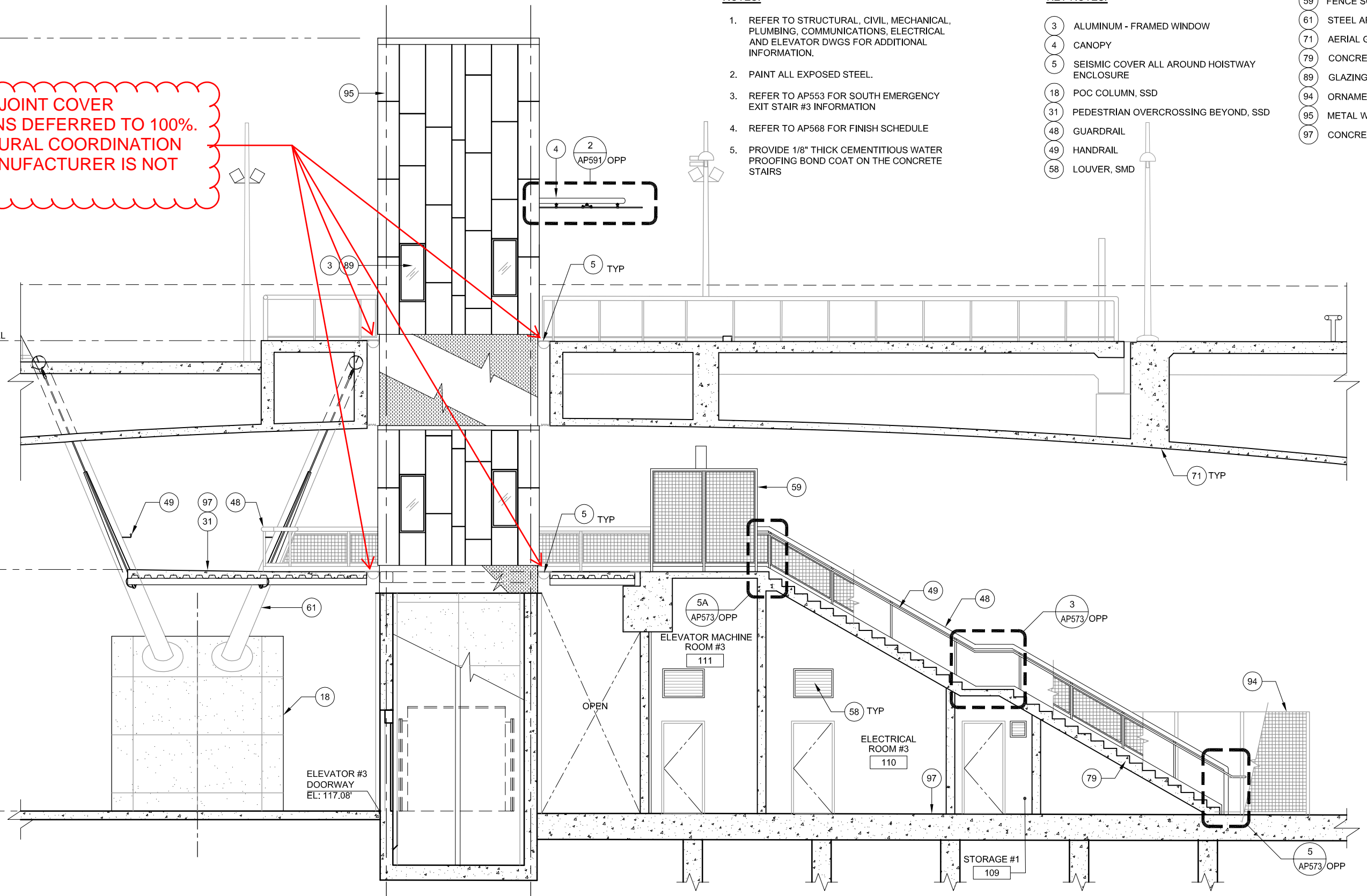
GROUND LEVEL
EL: VARIES

NOTES:

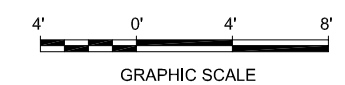
1. REFER TO STRUCTURAL, CIVIL, MECHANICAL, PLUMBING, COMMUNICATIONS, ELECTRICAL AND ELEVATOR DWGS FOR ADDITIONAL INFORMATION.
2. PAINT ALL EXPOSED STEEL.
3. REFER TO AP553 FOR SOUTH EMERGENCY EXIT STAIR #3 INFORMATION
4. REFER TO AP568 FOR FINISH SCHEDULE
5. PROVIDE 1/8" THICK CEMENTITIOUS WATER PROOFING BOND COAT ON THE CONCRETE STAIRS

KEY NOTES:

- 3 ALUMINUM - FRAMED WINDOW
- 4 CANOPY
- 5 SEISMIC COVER ALL AROUND HOISTWAY ENCLOSURE
- 18 POC COLUMN, SSD
- 31 PEDESTRIAN OVERCROSSING BEYOND, SSD
- 48 GUARDRAIL
- 49 HANDRAIL
- 58 LOUVER, SMD
- 59 FENCE SCREEN, 8'-0" HIGH
- 61 STEEL ARCH RIB, SSD
- 71 AERIAL GUIDEWAY, SSD
- 79 CONCRETE STAIRS, SSD
- 89 GLAZING
- 94 ORNAMENTAL SECURITY FENCE, 8'-0" HIGH
- 95 METAL WALL PANEL
- 97 CONCRETE SLAB, SSD

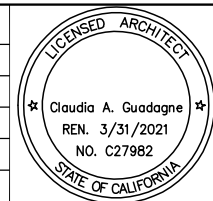


1 SECTION - PLATFORM ACCESS
SCALE: 1/4"=1'-0"



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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED

FMG ARCHITECTS
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OAKLAND, CA 94612
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DESIGNED: M. Grindulo
CHECKED: C. Guadagne
DRAWN: L. Canlas
CADD FILE NAME: 801AP554.DWG

Santa Clara Valley Transportation Authority

APPROVED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/22/2020
SCALE: 1/4"=1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - STORY STATION
PLATFORM ACCESS
SECTION 2

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF
DRAWING NO. AP554
REVISION C

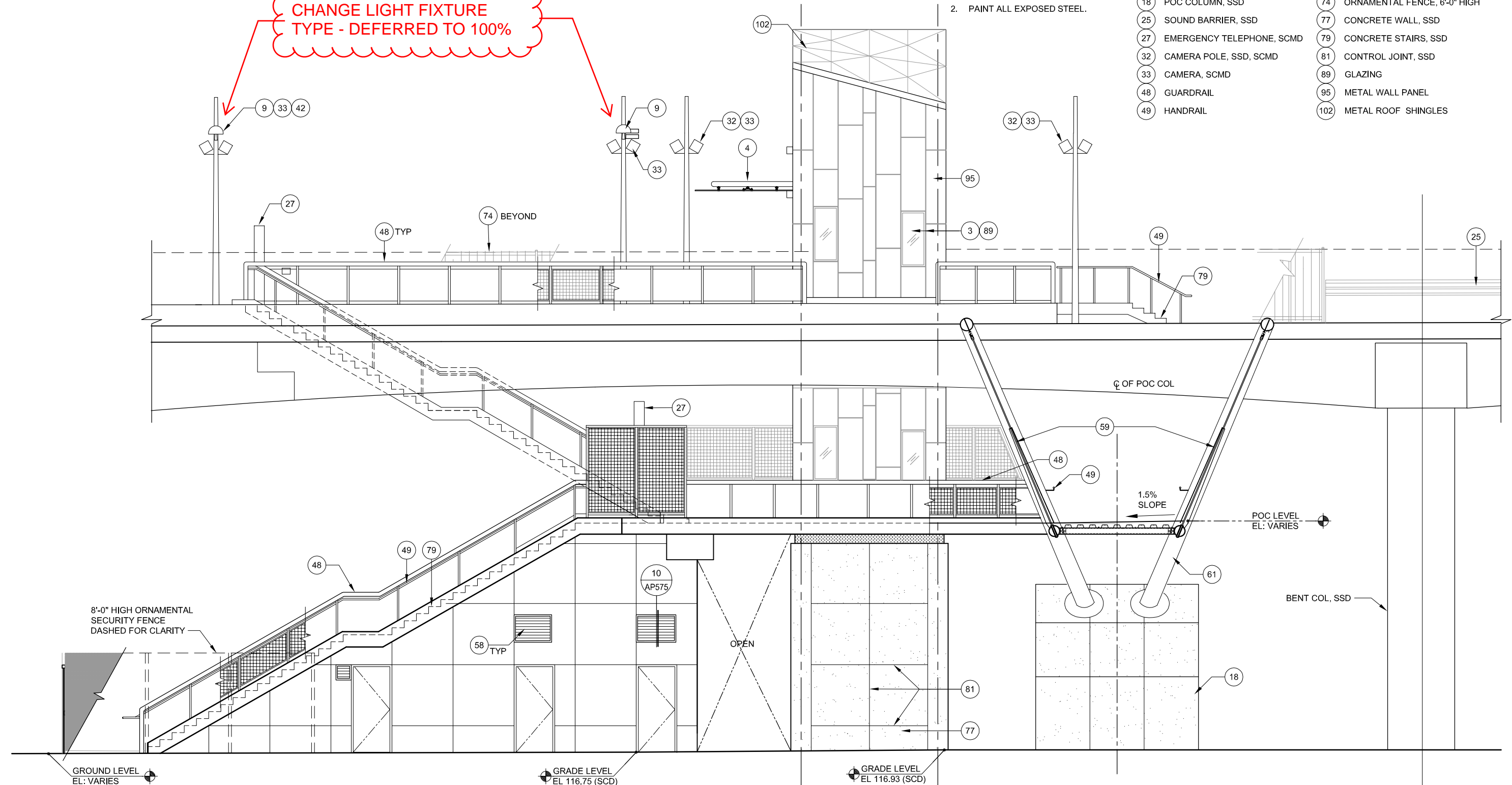
NOTES:

1. REFER TO STRUCTURAL, CIVIL, MECHANICAL, PLUMBING, COMMUNICATIONS, ELECTRICAL AND ELEVATOR DWGS FOR ADDITIONAL INFORMATION.
2. PAINT ALL EXPOSED STEEL.

KEY NOTES:

- | | |
|------------------------------|---------------------------------|
| 3 ALUMINUM - FRAMED WINDOW | 58 LOUVER, SMD |
| 4 CANOPY | 59 FENCE SCREEN, 8'-0" HIGH |
| 9 LIGHT POLE, SED | 61 STEEL ARCH RIB, SSD |
| 18 POC COLUMN, SSD | 74 ORNAMENTAL FENCE, 6'-0" HIGH |
| 25 SOUND BARRIER, SSD | 77 CONCRETE WALL, SSD |
| 27 EMERGENCY TELEPHONE, SCMD | 79 CONCRETE STAIRS, SSD |
| 32 CAMERA POLE, SSD, SCMD | 81 CONTROL JOINT, SSD |
| 33 CAMERA, SCMD | 89 GLAZING |
| 48 GUARDRAIL | 95 METAL WALL PANEL |
| 49 HANDRAIL | 102 METAL ROOF SHINGLES |

CHANGE LIGHT FIXTURE TYPE - DEFERRED TO 100%

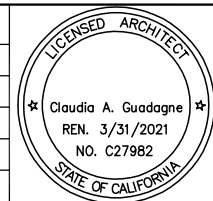


1 PLATFORM ACCESS - WEST ELEVATION
 SCALE: 1/4"=1'-0"
 AP555



Dell 530 Jun 21, 2020 - 3:39pm C:\oad\dlb\pna\vacancies\west\mns\8371\801AP555.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED

FMG ARCHITECTS
 330 15TH STREET
 OAKLAND, CA 94612
 510-465-8700 TEL
 www.fmgarchitects.com

DESIGNED: M. Grindulo
 CHECKED: C. Guadagne
 DRAWN: L. Canlas
 CADD FILE NAME: 801AP555.DWG

Santa Clara Valley Transportation Authority

APPROVED

BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/21/2020
 SCALE: 1/4"=1'-0"
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 PLATFORM ACCESS
 WEST ELEVATION

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

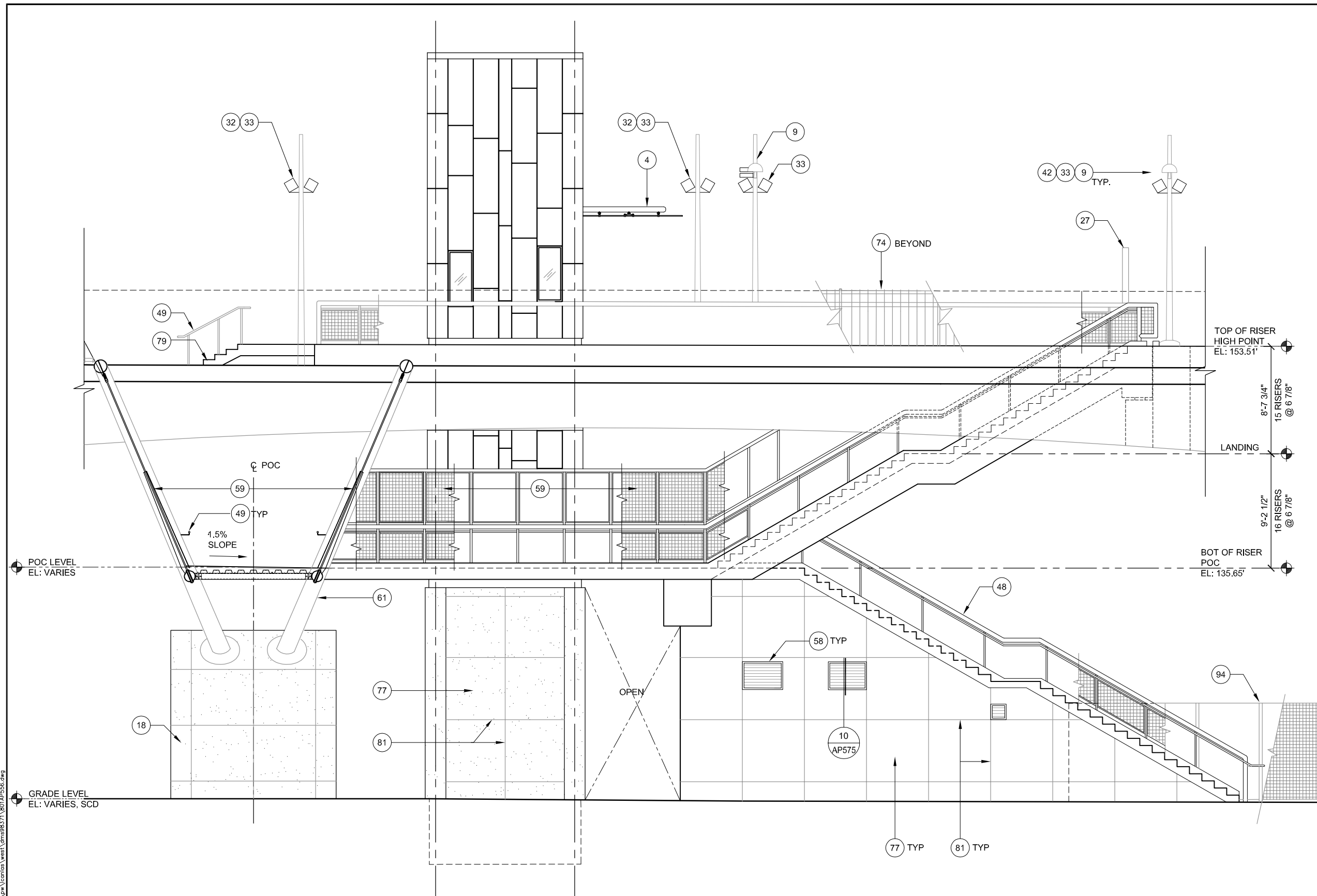
SHEET OF	AP555
DRAWING NO.	AP555
REVISION	B

NOTE:

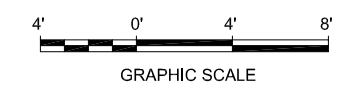
1. REFER TO STRUCTURAL, CIVIL, MECHANICAL, PLUMBING, COMMUNICATIONS, ELECTRICAL, AND ELEVATOR DWGS FOR ADDITIONAL INFORMATION
2. PAINT ALL EXPOSED STEEL

KEY NOTES:

- 4 CANOPY
- 9 LIGHT POLE, SED
- 18 POC COLUMN, SSD
- 27 EMERGENCY TELEPHONE, SCMD
- 32 CAMERA POLE, SSD, SCMD
- 33 CAMERA, SCMD
- 48 GUARDRAIL
- 49 HANDRAIL
- 58 LOUVER
- 59 FENCE SCREEN, 8'-0" HIGH
- 61 STEEL ARCH RIB, SSD
- 74 ORNAMENTAL FENCE, 6'-0" HIGH
- 77 CONCRETE WALL, SSD
- 79 CONCRETE STAIRS, SSD
- 81 CONTROL JOINT, SSD
- 94 ORNAMENTAL SECURITY FENCE, 8'-0" HIGH

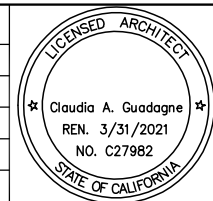


1 PLATFORM ACCESS - EAST ELEVATION
 AP556 SCALE: 1/4"=1'-0"



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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED

FMG ARCHITECTS
 330 15TH STREET
 OAKLAND, CA 94612
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DESIGNED: M. Grindulo
 CHECKED: C. Guadagne
 DRAWN: L. Canlas
 CADD FILE NAME: 801AP556.DWG

Santa Clara Valley Transportation Authority

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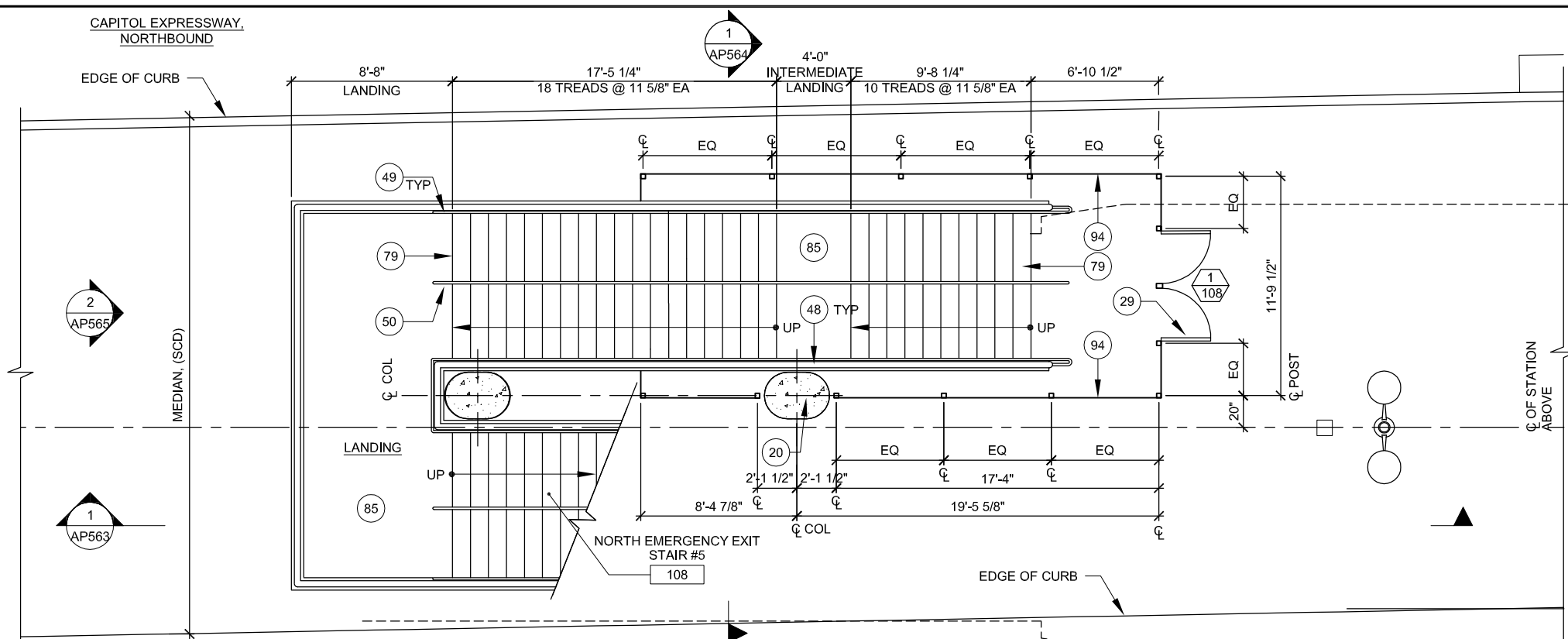
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/21/2020
 SUBMITTAL DATE: 06/29/20
 SCALE: 1/4"=1'-0"
 BOARD APPROVAL DATE:

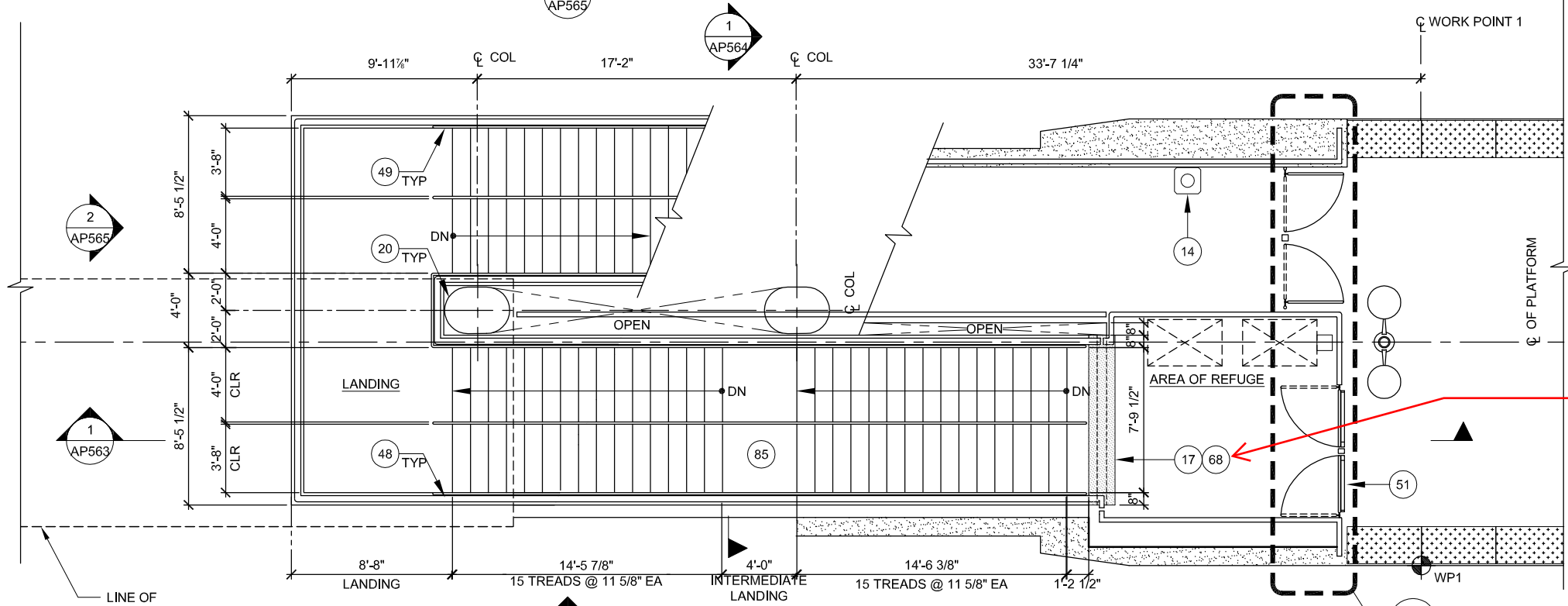
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 PLATFORM ACCESS
 EAST ELEVATION

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. AP556 REVISION B



**GROUND LEVEL PLAN
EMERGENCY EXIT STAIR #5**
AP500
SCALE: 1/4"=1'-0"

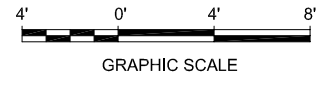


**PLATFORM LEVEL PLAN
EMERGENCY EXIT STAIR #5**
AP500
AP502
SCALE: 1/4"=1'-0"

- NOTES:**
1. REFER TO STRUCTURAL AND CIVIL DWGS FOR ADDITIONAL INFORMATION
 2. PAINT ALL EXPOSED STEEL
 3. REFER TO AP502 FOR PLATFORM INFORMATION
 4. REFER TO AP566 AND AP567 FOR ORNAMENTAL SECURITY FENCE INFORMATION

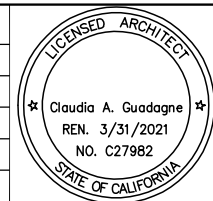
- KEY NOTES:**
- 14 TRAIN SIGNAL HEAD, SSGD
 - 17 SEISMIC JOINT, SSD
 - 20 COLUMN, SSD
 - 29 ORNAMENTAL GATES W/ EXIT DEVICE
 - 48 GUARDRAIL
 - 49 HANDRAIL
 - 50 HANDRAIL WITH LED, SED
 - 51 EMERGENCY EXIT GATE
 - 68 SEISMIC JOINT COVER
 - 79 CONCRETE STAIRS, SSD
 - 85 CONCRETE LANDING, SSD
 - 94 ORNAMENTAL SECURITY FENCE, 8'-0" HIGH

SEISMIC JOINT COVER REVISIONS DEFERRED TO 100%. STRUCTURAL COORDINATION WITH MANUFACTURER IS NOT DONE



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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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CADD FILE NAME: 801AP560.DWG

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Transportation
Authority

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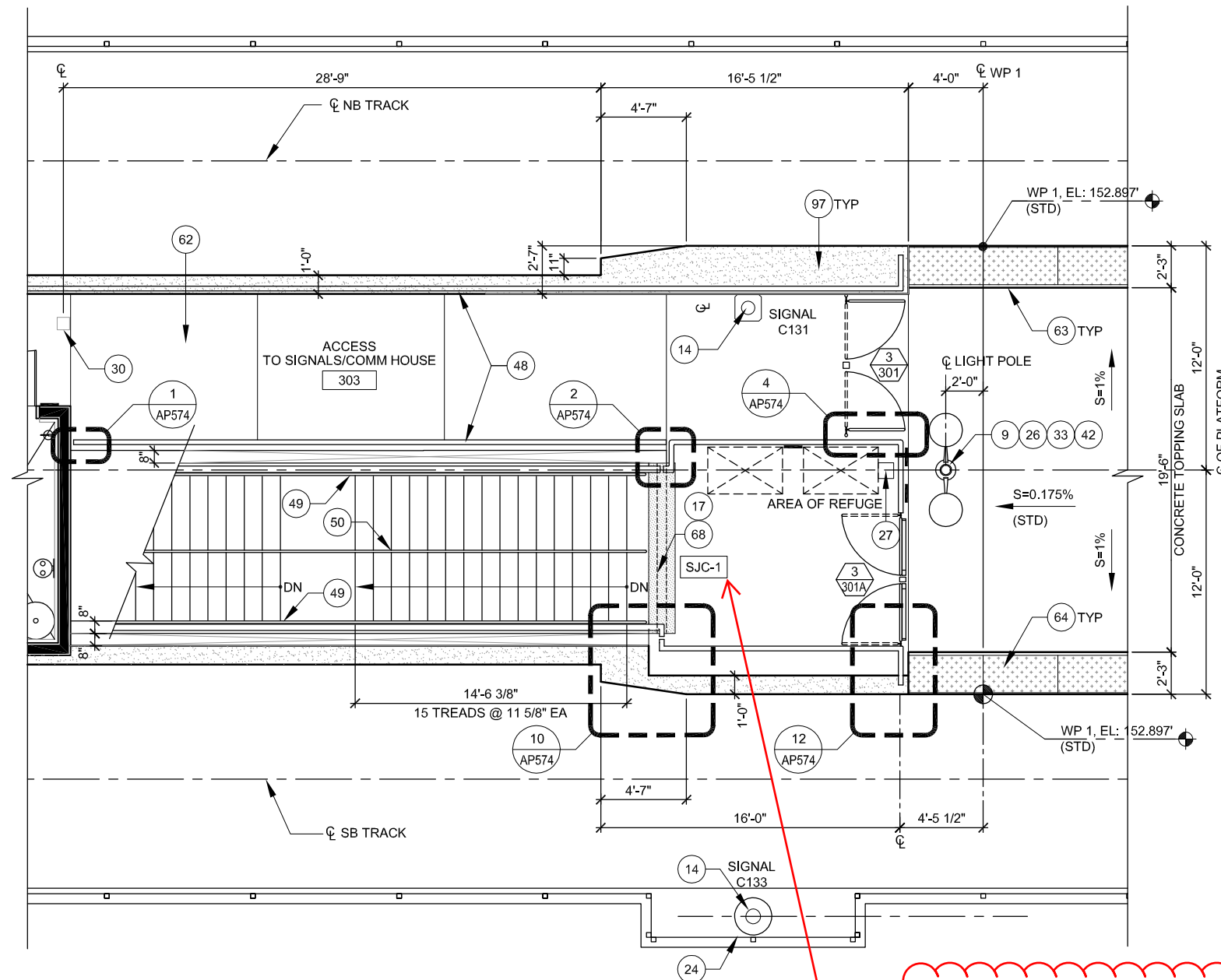
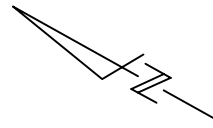
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/21/2020
SCALE: 1/4"=1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - STORY STATION
NORTH EMERGENCY EXIT
GROUND LEVEL & PLATFORM LEVEL PLAN

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. AP560 REVISION B

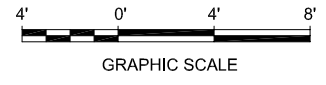


- NOTES:**
1. REFER TO STRUCTURAL AND CIVIL DWGS FOR ADDITIONAL INFORMATION.
 2. REFER TO AP568 FOR DOOR SCHEDULE
 3. PAINT ALL EXPOSED STEEL.
 4. REFER AP560 FOR STAIR INFORMATION

- KEY NOTES:**
- 9 LIGHT POLE, SED
 - 14 TRAIN SIGNAL HEAD, SSGD AND SSD
 - 17 SEISMIC JOINT, SSD
 - 24 STRUCTURAL BUMP OUT, SSD
 - 26 MAINTENANCE TELEPHONE, SCMD
 - 27 EMERGENCY TELEPHONE, SCMD
 - 30 ELEC/COMM PULL BOX, SED/SCMD
 - 33 CAMERA, SCMD
 - 42 PUBLIC ADDRESS SPEAKER HOUSING, SCMD
 - 48 GUARDRAIL
 - 49 HANDRAIL
 - 50 HANDRAIL WITH LED, SED
 - 62 CONCRETE TOPPING SLAB
 - 63 CONT BLACK STRIPE, TYP
 - 64 TACTILE WARNING BAND, TYP
 - 68 SEISMIC JOINT COVER
 - 97 CONCRETE SLAB, SSD

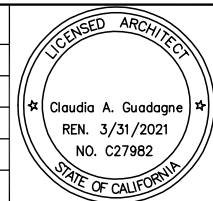
SEISMIC JOINT COVER REVISIONS DEFERRED TO 100%. STRUCTURAL COORDINATION WITH MANUFACTURER IS NOT DONE

1 PLATFORM LEVEL PLAN
AP561 SCALE: 1/4"=1'-0" AP502



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NO.	DATE	REVISIONS
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A	03/19	65% SUBMITTAL SET



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CADD FILE NAME: 801AP561.DWG

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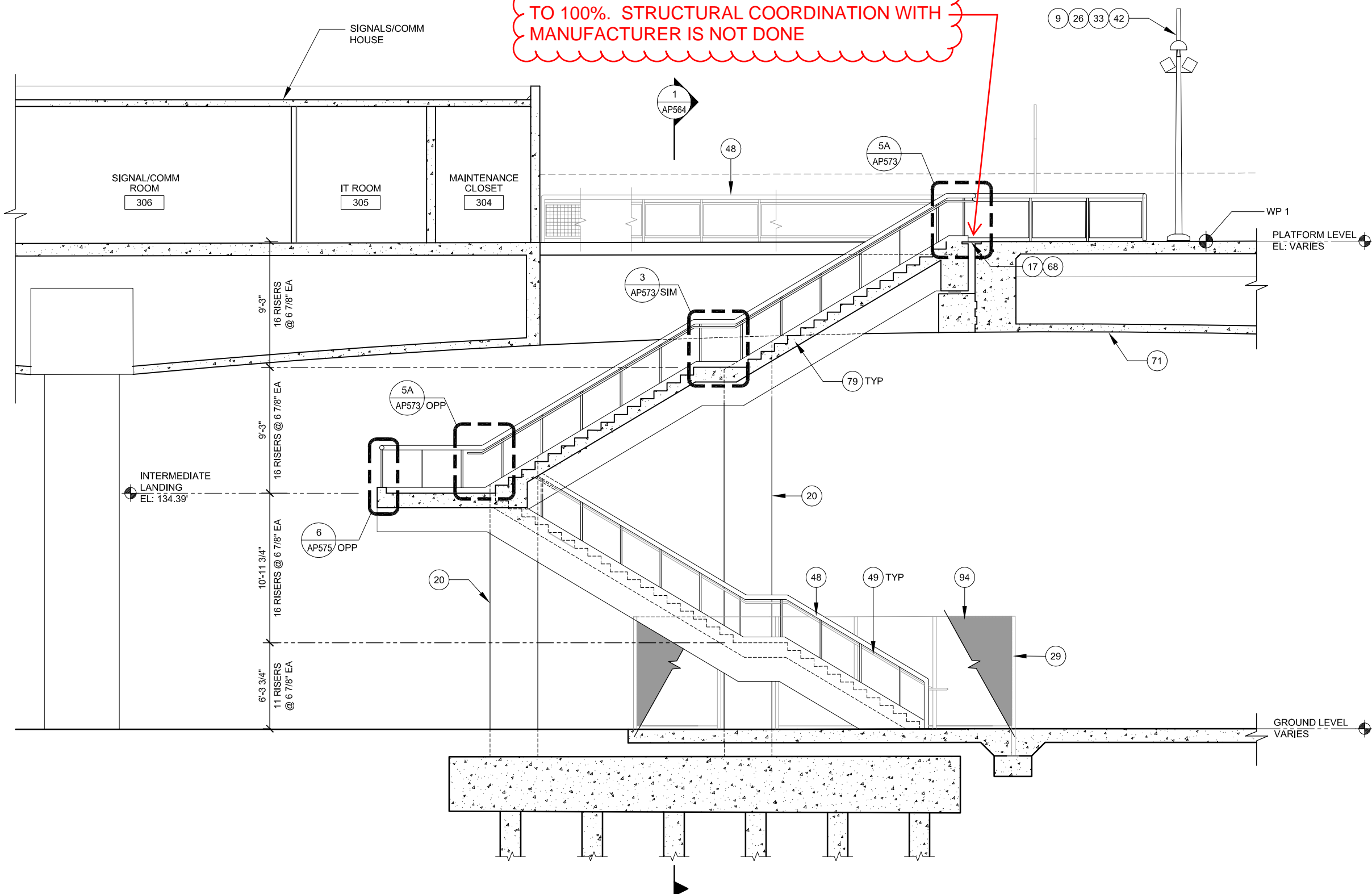
CADD FILE DATE: 06/21/2020
SUBMITTAL DATE: 06/29/20
SCALE: 1/4" = 1'-0"
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - STORY STATION
NORTH ACCESS
PLATFORM LEVEL PLAN

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF	AP561
DRAWING NO.	AP561
REVISION	B

SEISMIC JOINT COVER REVISIONS DEFERRED TO 100%. STRUCTURAL COORDINATION WITH MANUFACTURER IS NOT DONE



NOTES:
1. REFER TO STRUCTURAL AND CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.

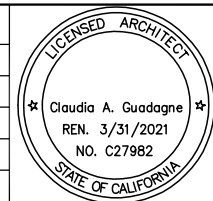
- KEY NOTES:**
- 9 LIGHT POLE, SED
 - 17 SEISMIC JOINT, SSD
 - 20 COLUMN, SSD
 - 26 MAINTENANCE TELEPHONE, SCMD
 - 29 ORNAMENTAL GATES W/ EXIT DEVICE
 - 33 CAMERA, SCMD
 - 42 PUBLIC ADDRESS SPEAKER HOUSING, SCMD
 - 48 GUARDRAIL
 - 49 HANDRAIL
 - 68 SEISMIC JOINT COVER
 - 71 AERIAL GUIDEWAY, SSD
 - 79 CONCRETE STAIRS, SSD
 - 94 ORNAMENTAL SECURITY FENCE, 8'-0" HIGH

1 SECTION
AP563 SCALE: 1/4"=1'-0" AP560



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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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DESIGNED: M. Grindulo
CHECKED: C. Guadagne
DRAWN: L. Canlas
CADD FILE NAME: 801AP563.DWG

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Transportation
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ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/21/2020
SCALE: 1/4"=1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - STORY STATION
NORTH EMERGENCY EXIT
SECTION 1

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

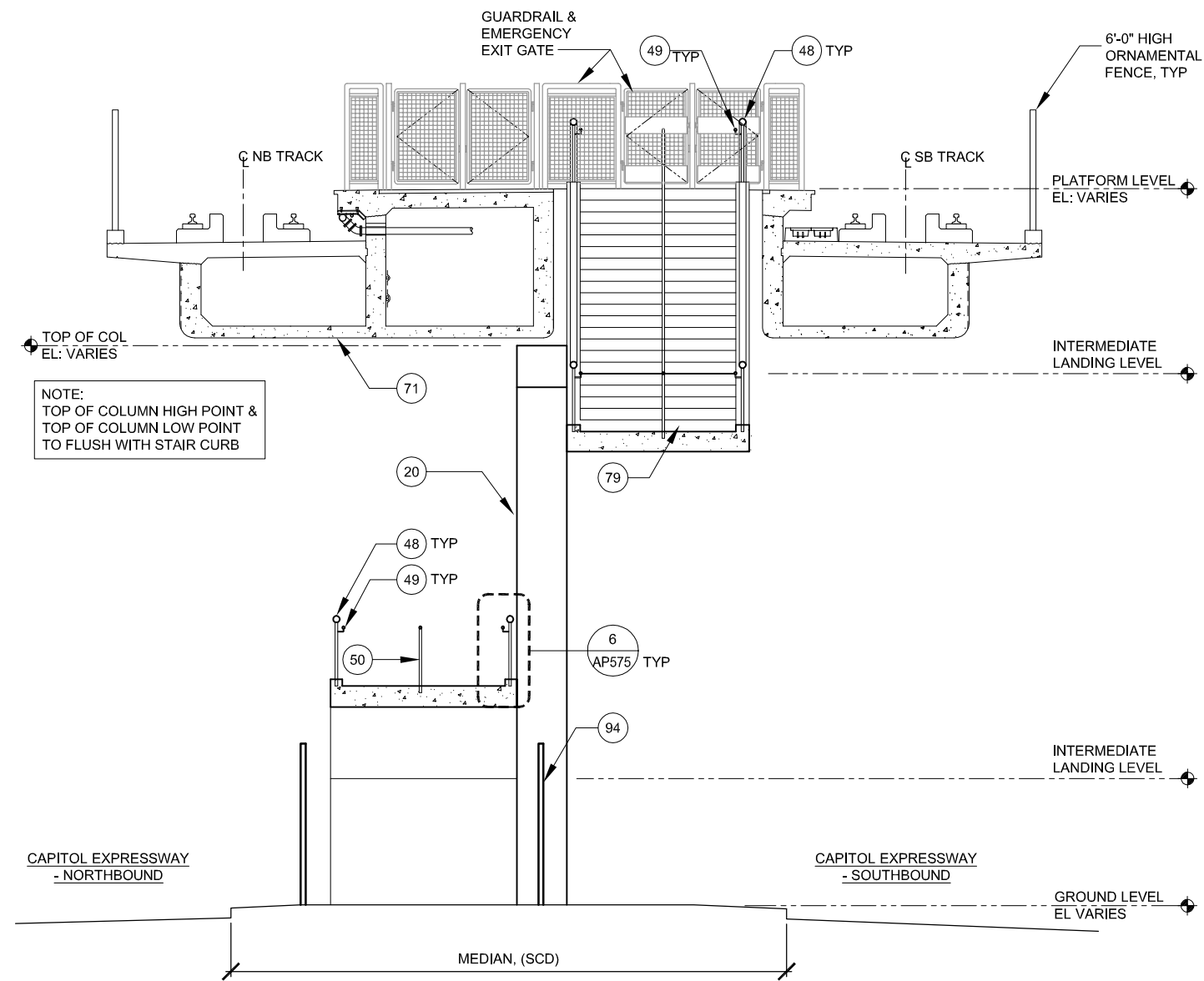
SHEET OF	AP563
DRAWING NO.	AP563
REVISION	B

NOTE:

1. REFER TO AP566 FOR ORNAMENTAL FENCE.
2. REFER TO STRUCTURAL AND CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.

KEY NOTES:

- 20 COLUMN, SSD
- 48 GUARDRAIL
- 49 HANDRAIL
- 50 HANDRAIL WITH LED, SED
- 71 AERIAL GUIDEWAY, SSD
- 79 CONCRETE STAIRS, SSD
- 94 ORNAMENTAL SECURITY FENCE, 8'-0" HIGH



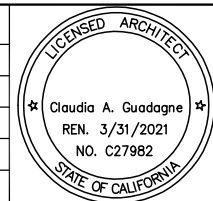
NOTE:
TOP OF COLUMN HIGH POINT &
TOP OF COLUMN LOW POINT
TO FLUSH WITH STAIR CURB

1 SECTION
AP564 SCALE: 1/4"=1'-0" AP560 AP563



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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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330 15TH STREET
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CHECKED: C. Guadagne
DRAWN: L. Canlas
CADD FILE NAME: 801AP564.DWG

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CADD FILE DATE: 06/21/2020
SCALE: 1/4"=1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - STORY STATION
NORTH EMERGENCY EXIT
SECTION 2

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. AP564 REVISION B

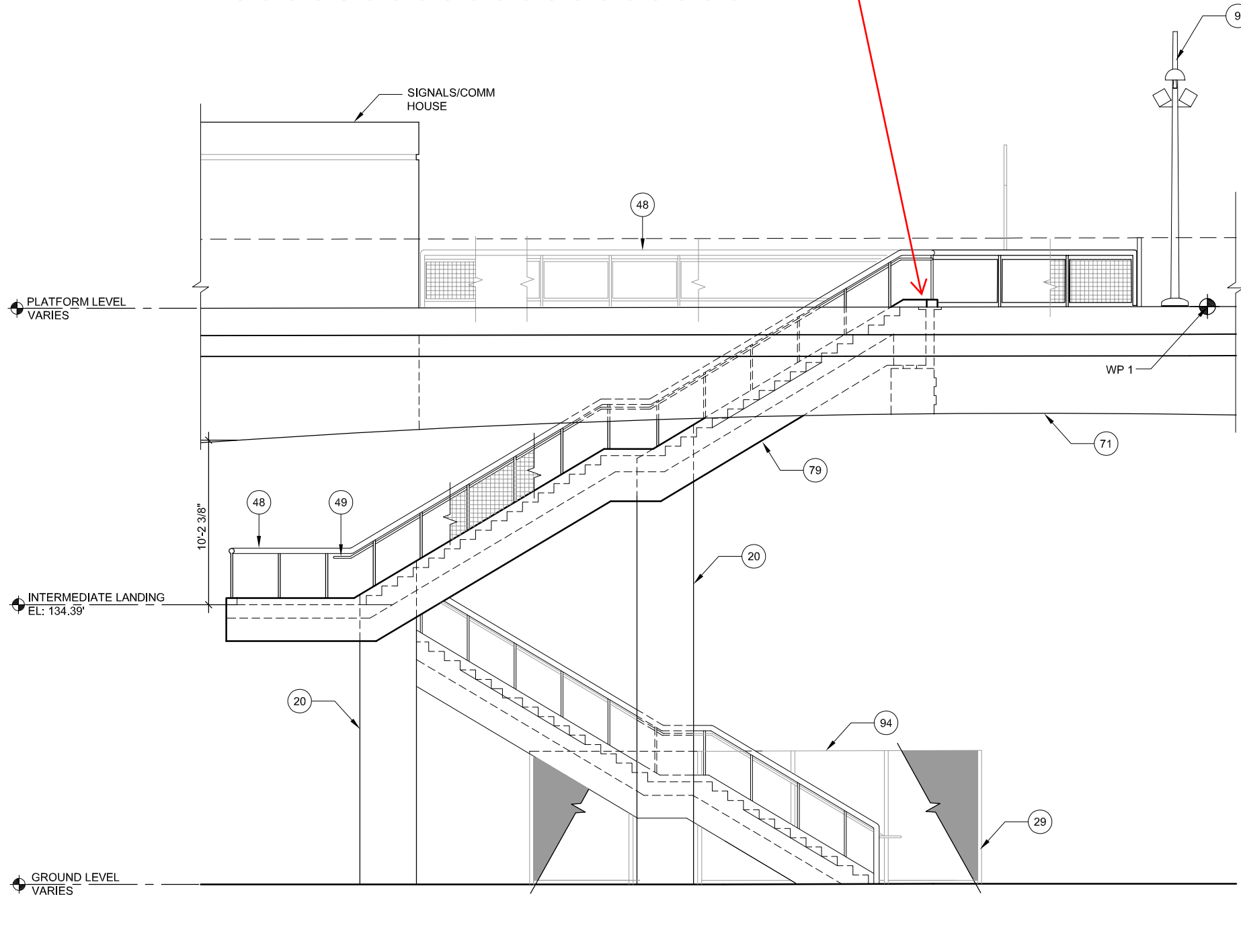
SEISMIC JOINT COVER REVISIONS DEFERRED TO 100%. STRUCTURAL COORDINATION WITH MANUFACTURER IS NOT DONE

KEY NOTES:

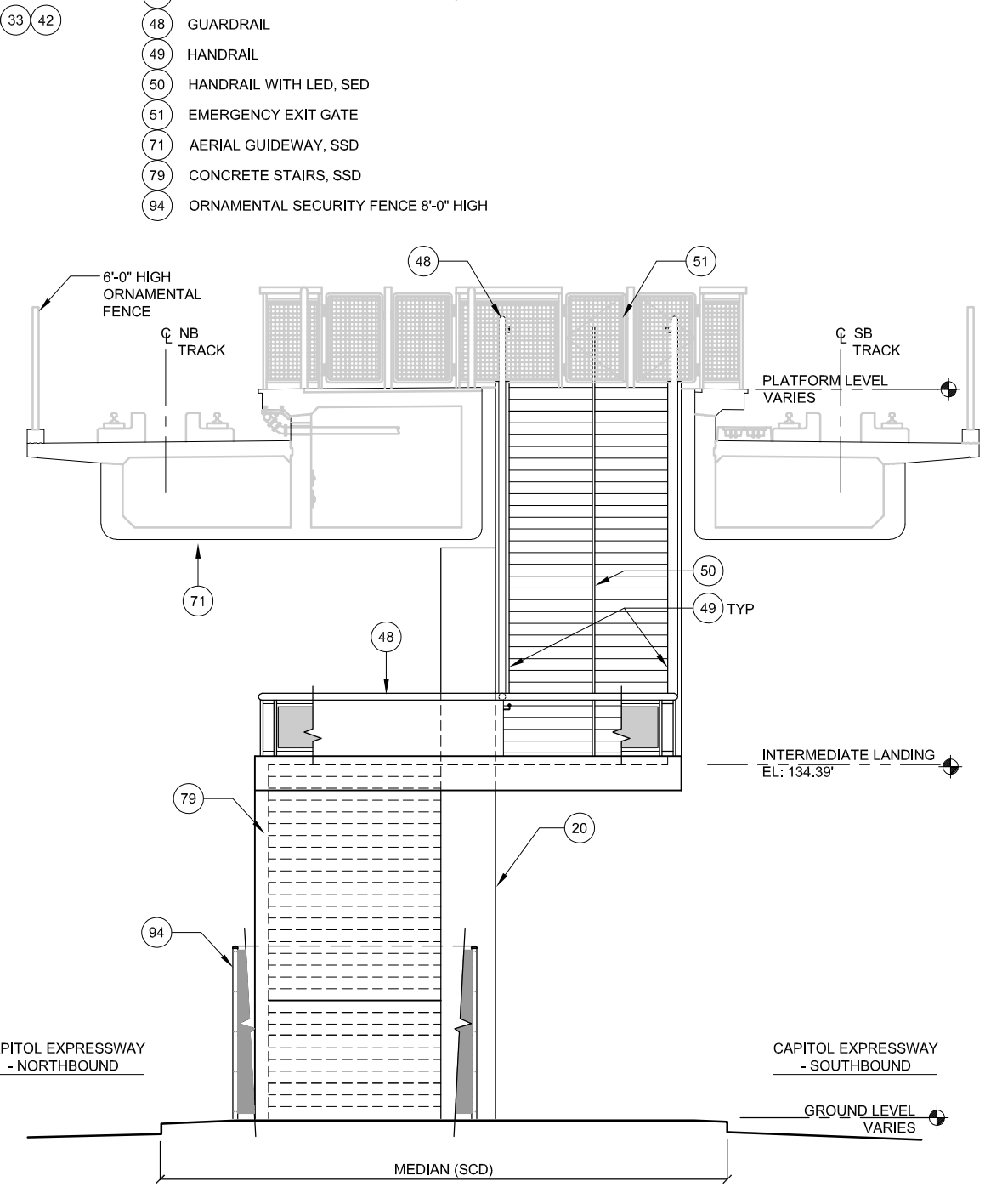
- 9 LIGHT POLE, SED
- 20 COLUMN, SSD
- 26 MAINTENANCE TELEPHONE, SCMD
- 29 ORNAMENTAL GATES WITH EXIT DEVICE
- 33 CAMERA, SCMD
- 42 PUBLIC ADDRESS SPEAKER HOUSING, SCMD
- 48 GUARDRAIL
- 49 HANDRAIL
- 50 HANDRAIL WITH LED, SED
- 51 EMERGENCY EXIT GATE
- 71 AERIAL GUIDEWAY, SSD
- 79 CONCRETE STAIRS, SSD
- 94 ORNAMENTAL SECURITY FENCE 8'-0" HIGH

NOTE:

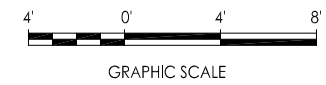
- 1. REFER TO STRUCTURAL DWGS FOR ADDITIONAL INFORMATION
- 2. PAINT ALL EXPOSED STEEL
- 3. REFER AP566 AND AP567 FOR ORNAMENTAL SECURITY FENCE



1 ELEVATION AP565 SCALE: 1/4"=1'-0" AP560

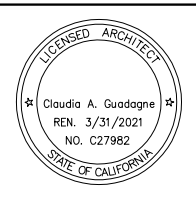


2 ELEVATION AP565 SCALE: 1/4"=1'-0" AP560



E:\Bldg\Jun 23, 2020 - 8:46am C:\cadd\Bldg\m\k\blv\m\west\m\m\8371\801AP565.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET

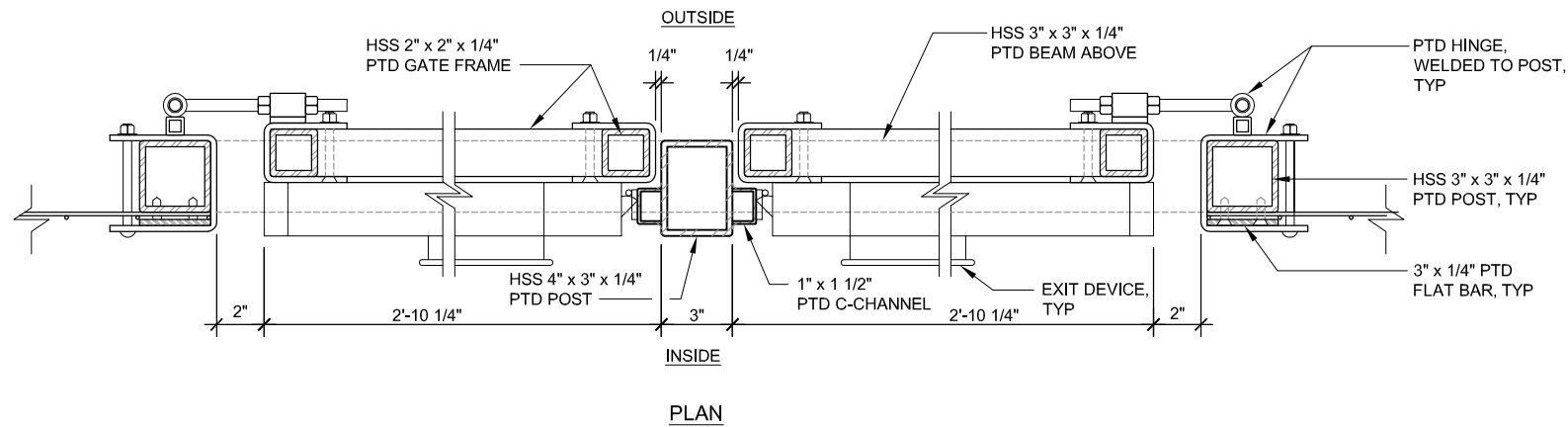


SUBMITTED		 330 15TH STREET OAKLAND, CA 94612 510-465-8700 TEL www.fmgarchitects.com	
DESIGNED	M. Grindulo	CHECKED	C. Guadagne
DRAWN	L. Canlas	CADD FILE NAME	801AP565.DWG

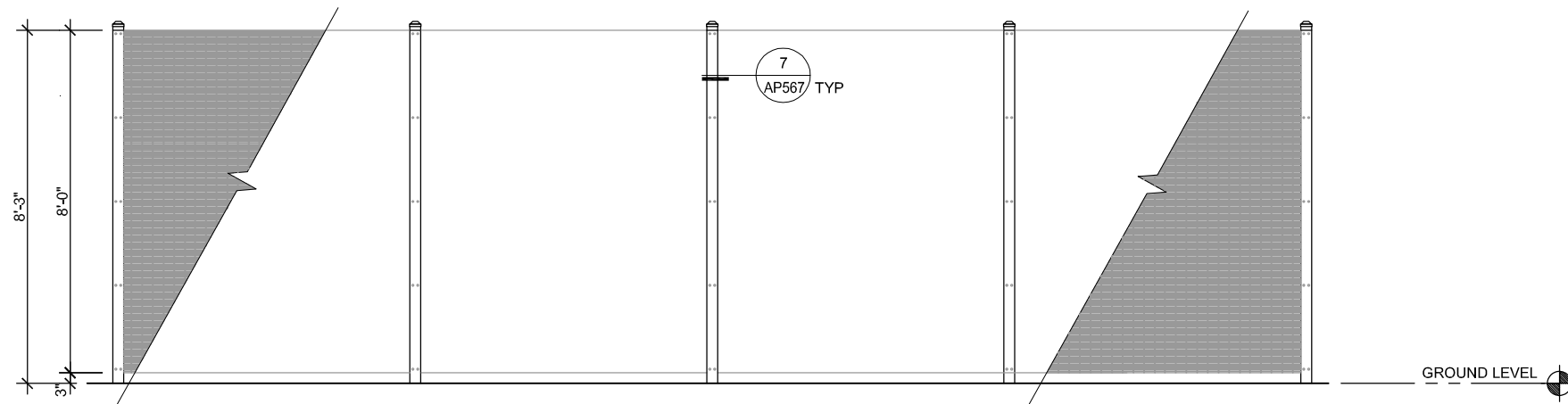


APPROVED		 ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	06/23/2020	SCALE	1/4"=1'-0"
SUBMITTAL DATE	06/29/2020	BOARD APPROVAL DATE	

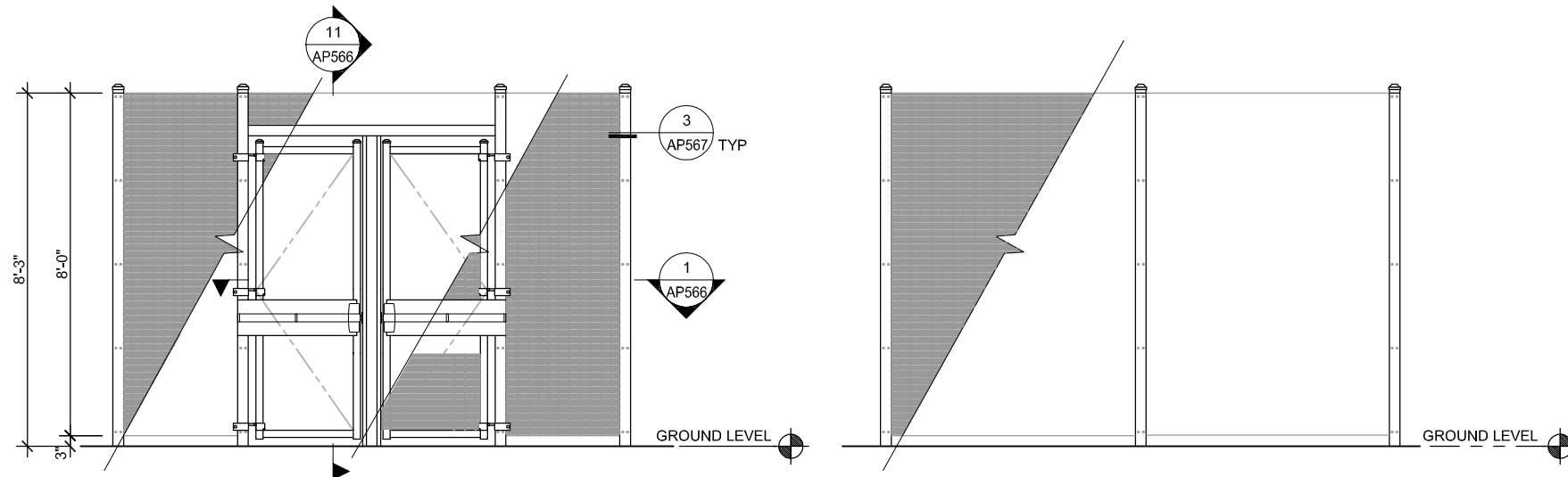
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL - STORY STATION NORTH EMERGENCY EXIT ELEVATIONS			SHEET OF DRAWING NO. AP565 REVISION B
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	



1 ORNAMENTAL GATE W/ EXIT DEVICE
AP566 SCALE: 3"=1'-0"

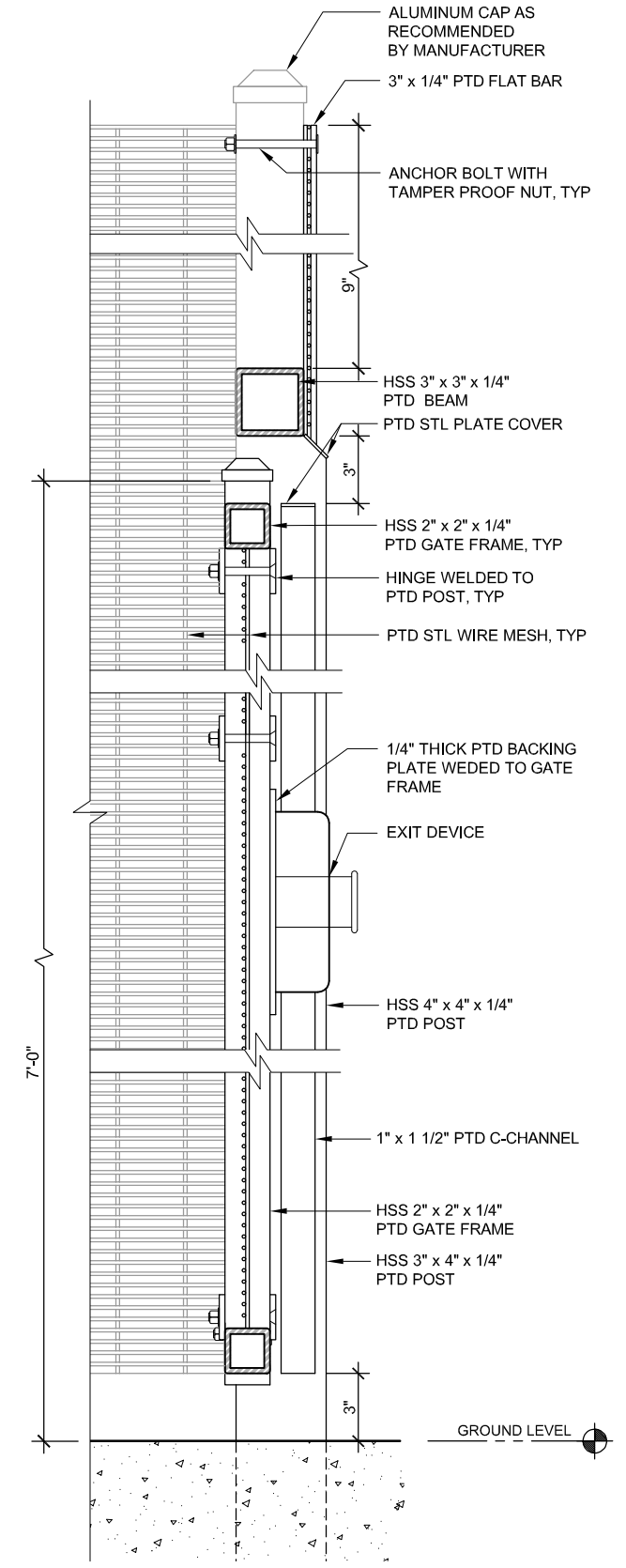


5 WEST ELEVATION
EAST ELEVATION SIM - ORNAMENTAL SECURITY FENCE
AP566 SCALE: 1/2"=1'-0"



9 SOUTH ELEVATION
ORNAMENTAL SECURITY FENCE
AP566 SCALE 1/2"=1'-0"

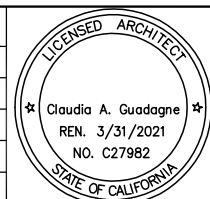
10 NORTH ELEVATION
ORNAMENTAL SECURITY FENCE
AP566 SCALE 1/2"=1'-0"



11 SECTION / ELEVATION - ORNAMENTAL
GATE WITH EXIT DEVICE
AP566 SCALE: 3"=1'-0"

Dell 530 Jun 21, 2020 - 4:17pm C:\cad\dlb\lgn\scantex\west\cmtas\8371\801AP566.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



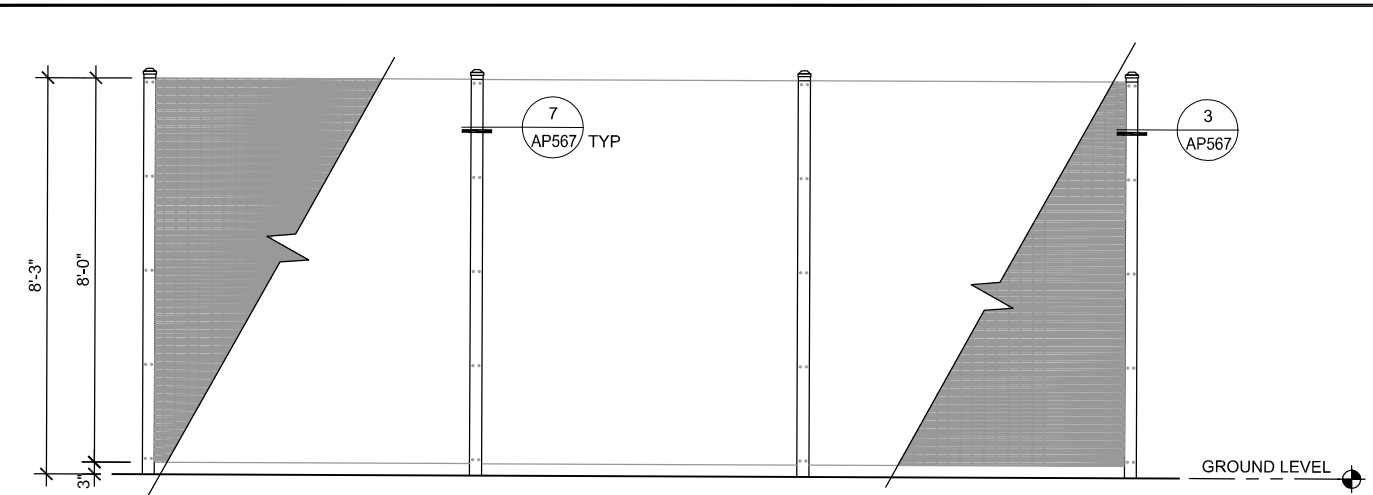
SUBMITTED		 330 15TH STREET OAKLAND, CA 94612 510-465-8700 TEL www.fmgarchitects.com	
DESIGNED	M. Grindulo	CHECKED	C. Guadagne
DRAWN	J. Perez	CADD FILE NAME	801AP566.DWG



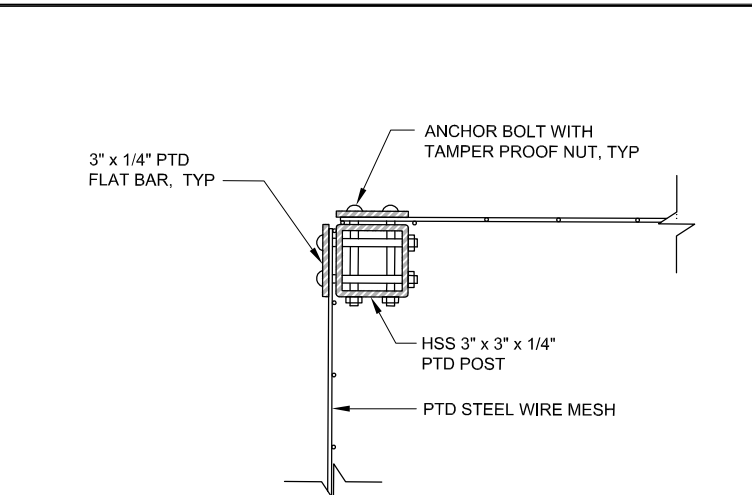
APPROVED		 ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	06/21/2020	SCALE	AS NOTED
SUBMITTAL DATE	06/29/20	BOARD APPROVAL DATE	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL - STORY STATION EMERGENCY EXITS ORNAMENTAL SECURITY FENCE ELEVATIONS AND DETAILS		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	AP566
REVISION	A

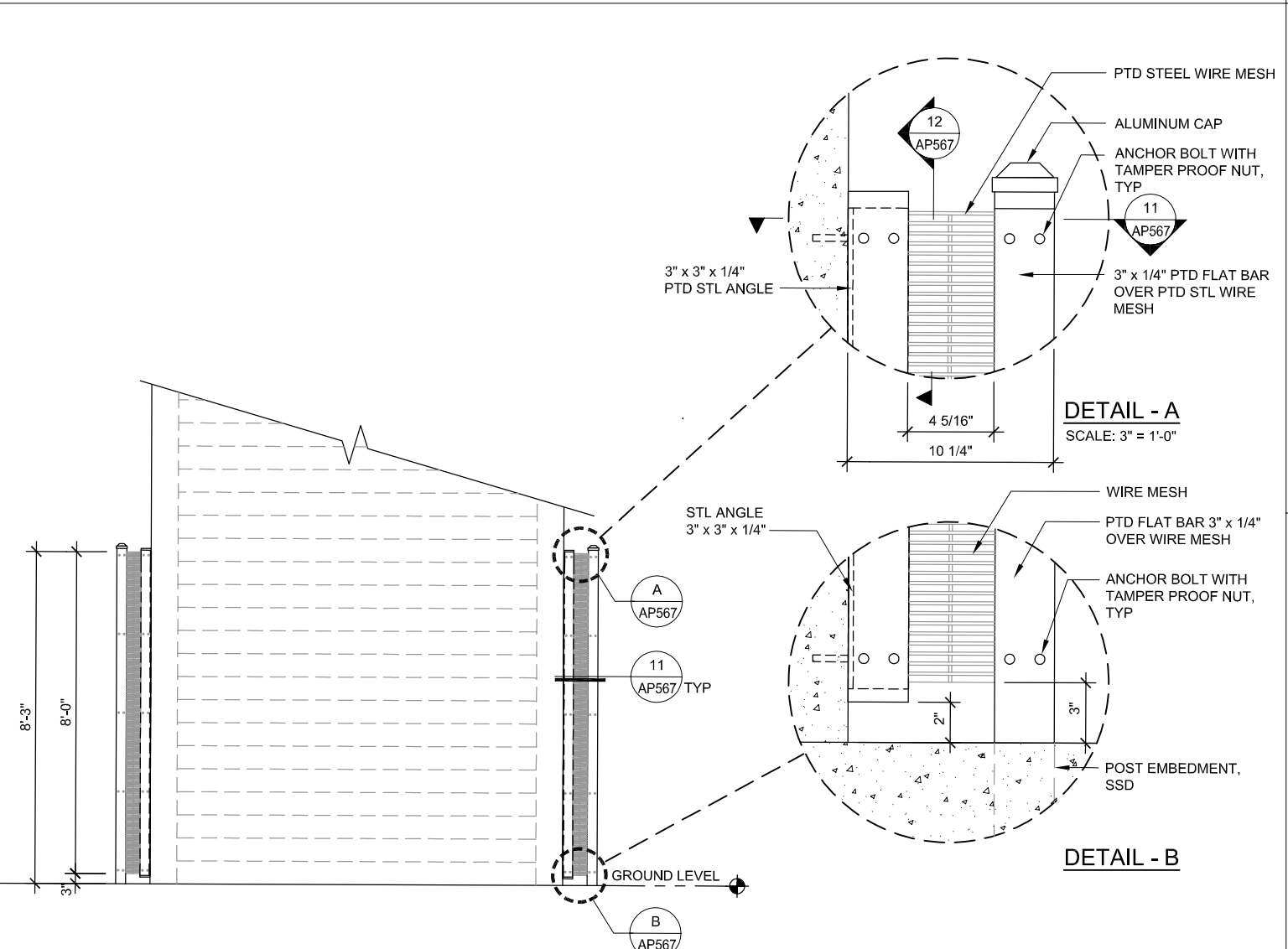


1 EAST ELEVATION / WEST ELEVATION (SIM)
AP567 SCALE: 1/2"=1'-0"

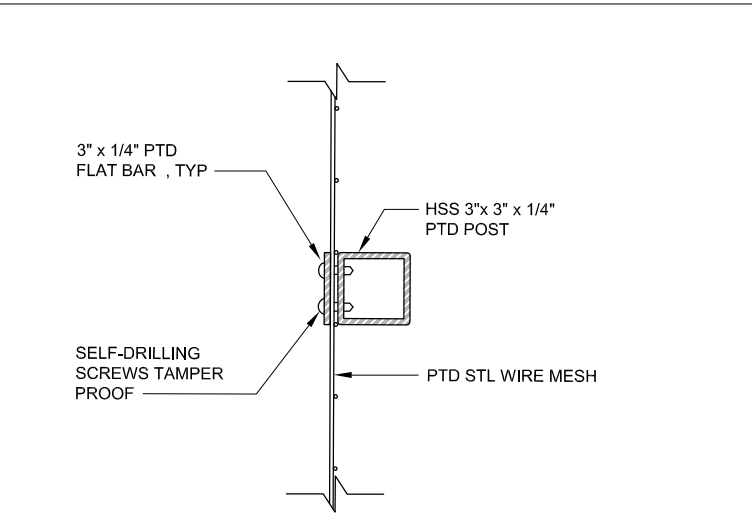


3 PLAN - CORNER POST
AP567 SCALE: 3"=1'-0" AP566

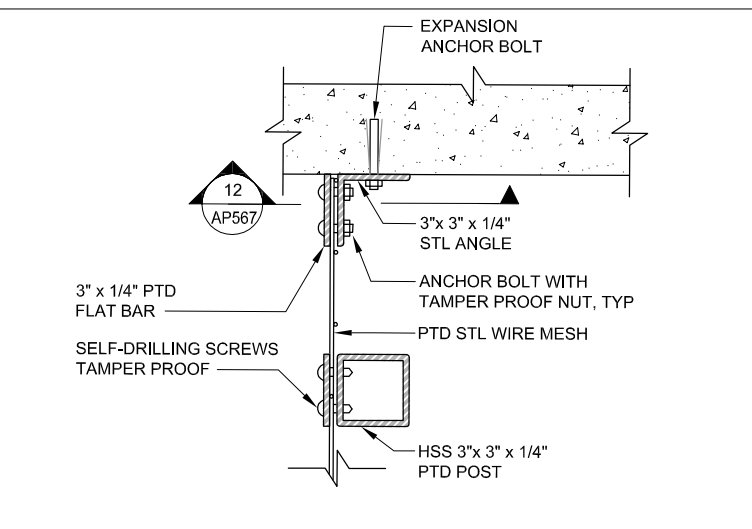
NOTE:
1. REFER TO AP566 FOR ADDITIONAL INFORMATION



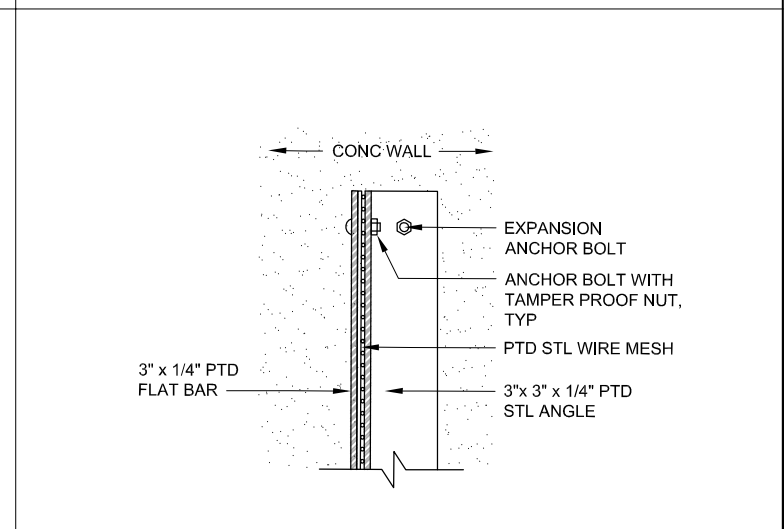
9 SOUTH ELEVATION
AP567 SCALE: 1/2"=1'-0"



7 PLAN - INTERMEDIATE POST
AP567 SCALE: 3"=1'-0" AP566



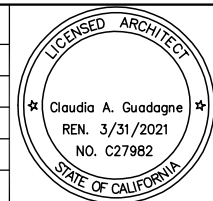
11 FENCE ADJACENT TO CONG WALL
AP567 SCALE: 3"=1'-0"



12 SECTION / ELEVATION AT CONG WALL
AP567 SCALE: 3"=1'-0"

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



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DRAWN: J. Perez
CADD FILE NAME: 801AP567.DWG

Santa Clara Valley Transportation Authority

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ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/21/2020
SCALE: AS NOTED
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - STORY STATION
EMERGENCY EXITS ORNAMENTAL
SECURITY FENCE ELEVATIONS AND DETAILS

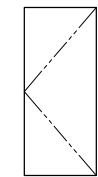
PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. AP567 REVISION A

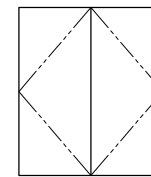
DOOR SCHEDULE

DOOR NO.	ROOM NAME	TYPE	DOOR & GATE				FRAME		RATING	HARDWARE GROUP	DETAILS			REMARKS
			OPENING WxH	MATERIAL	FINISH	MATERIAL	FINISH	HEAD			JAMB	THRESHOLD		
STORY STATION GROUND LEVEL														
101	STAIR #1	E	3'-0"x3'-4"	STL	PAINT	STL	PAINT	-	-	-	-	-	SERVICE GATE, NO LOCK	
102	STORAGE #1	A	3'-0"x7'-0"	HM	PAINT	HM	PAINT	90 MIN	HW-01	5/AT203	5/AT203 SIM	9/AT203		
103	ELEV MACH RM #1	A	3'-0"x7'-0"	HM	PAINT	HM	PAINT	120 MIN	HW-01	5/AT203	5/AT203 SIM	9/AT203		
105	STORAGE #2	A	3'-0"x7'-0"	HM	PAINT	HM	PAINT	90 MIN	HW-02	5/AT203	5/AT203 SIM	9/AT203		
106	ELEV MACH RM #2	A	3'-0"x7'-0"	HM	PAINT	HM	PAINT	120 MIN	HW-02	5/AT203	5/AT203 SIM	9/AT203		
107	NORTH EMERGENCY EXIT STAIR #3	CC2	(2) 3'-0"x8'-0"	STL	PAINT	STL	PAINT	-	HW-05	-	-	-	EMERGENCY GATE W/ ALARM - REFER TO AP566	
108	NORTH EMERGENCY EXIT STAIR #5	CC2	(2) 3'-0"x8'-0"		PAINT		PAINT	-	HW-05	-	-	-		
109	STORAGE #3	A	3'-0"x7'-0"	HM	PAINT	HM	PAINT	90 MIN	HW-02	5/AT203	5/AT203 SIM	9/AT203		
110	ELECTRICAL RM	A	3'-0"x7'-0"	HM	PAINT	HM	PAINT	90 MIN	HW-02	5/AT203	5/AT203 SIM	9/AT203		
111	ELEV MACH RM #3	A	3'-0"x7'-0"	HM	PAINT	HM	PAINT	120 MIN	HW-01	5/AT203	5/AT203 SIM	9/AT203		
112	STAIR #3	C	(2) 3'-2"x8'-0"	STL	PAINT	STL	PAINT	-	HW-06	-	-	-	EMERGENCY EXIT GATE, SEE AP566, LOCK	
STORY STATION PEDESTRIAN OVERCROSSING LEVEL														
201	SOUTH EMERGENCY EXIT STAIR #3	CC	(2) 5'-0"x3'-4"	STL	PAINT	STL	PAINT	-	HW-05	9/AP572 SIM	2/AP572	-	EMERGENCY EXIT GATE	
STORY STATION PLATFORM LEVEL														
301	PLATFORM	DD	(2) 3'-4"x5'-0"	STL	PAINT	STL	PAINT	-	HW-06	9/AP572 SIM	2/AP572	-	SERVICE GATES, NO LOCK, SEE AP572	
301A	PLATFORM	DD	(2) 3'-4"x5'-0"	STL	PAINT	STL	PAINT	-	HW-05	9/AP572 SIM	2/AP572	-	EMERGENCY EXIT GATE W/ ALARM, SEE AP572	
301B	PLATFORM	D	3'-0"x3'-4"	STL	PAINT	STL	PAINT	-	HW-03	9/AP572 SIM	2/AP572	-	SERVICE GATE, NO LOCK	
301C	PLATFORM	D	3'-0"x3'-4"	STL	PAINT	STL	PAINT	-	HW-03	9/AP572 SIM	2/AP572	-	SERVICE GATE, NO LOCK	
304	MAINT CLOSET	A	3'-0"x7'-0"	HM	PAINT	HM	PAINT	45 MIN	HW-02	5/AT203	5/AT203 SIM	9/AT203		
305	IT ROOM	A	3'-0"x7'-0"	HM	PAINT	HM	PAINT	90 MIN	HW-02	5/AT203	5/AT203 SIM	9/AT203		
306	SIG/COMM ROOM	B	6'-0"x7'-0"	HM	PAINT	HM	PAINT	90 MIN	HW-07	5/AT203	5/AT203 SIM	9/AT203		
307	PLATFORM	D	3'-0"x3'-4"	STL	PAINT	STL	PAINT	-	HW-03	9/AP572 SIM	2/AP572	-	SERVICE GATE, NO LOCK	
EASTRIDGE STATION PLATFORM LEVEL														
401	IT ROOM	A	3'-0"x7'-0"	HM	PAINT	HM	PAINT	90 MIN	HW-02	5/AT203	5/AT203 SIM	9/AT203		
402	SIG/COMM	B	6'-0"x7'-0"	HM	PAINT	HM	PAINT	90 MIN	HW-09	5/AT203	5/AT203 SIM	9/AT203		
402A	SIG/COMM	A	3'-0"x7'-0"	HM	PAINT	HM	PAINT	90 MIN	HW-01	5/AT203	5/AT203 SIM	9/AT203		
403	ELEC	A *	3'-0"x7'-0"	HM	PAINT	HM	PAINT	90 MIN	HW-02	5/AT203	5/AT203 SIM	9/AT203	* WITH PANIC DEVICE	
404	PLATFORM	D	3'-0"x3'-4"	STL	PAINT	STL	PAINT	-	HW-03	9/AP572 SIM	2/AP572	-	SAFETY GATE, NO LOCK	
405	PLATFORM	D	3'-0"x3'-4"	STL	PAINT	STL	PAINT	-	HW-03	9/AP572 SIM	2/AP572	-	SAFETY GATE, NO LOCK	
406	PLATFORM	D	3'-0"x3'-4"	STL	PAINT	STL	PAINT	-	HW-03	9/AP572 SIM	2/AP572	-	SAFETY GATE, NO LOCK	
407	PLATFORM	D	3'-0"x3'-4"	STL	PAINT	STL	PAINT	-	HW-03	9/AP572 SIM	2/AP572	-	SAFETY GATE, NO LOCK	
408	PLATFORM	D	3'-0"x3'-4"	STL	PAINT	STL	PAINT	-	HW-03	9/AP572 SIM	2/AP572	-	SAFETY GATE, NO LOCK	
409	PLATFORM	D	3'-0"x3'-4"	STL	PAINT	STL	PAINT	-	HW-03	9/AP572 SIM	2/AP572	-	SAFETY GATE, NO LOCK	
TPSS														
411	TPSS #34	C	3'-0"x7'-0"	STL	PAINT	STL	PAINT	-	HW-04	3/AP915	4/AP915	-	SEE AP915	
412	TPSS#34	CC	20'-0"x8'-0"	STL	PAINT	STL	PAINT	-	HW-08	3/AP915	5/AP915	-	PROVIDE PADLOCK, SEE AP915	
413	TPSS #33	C	3'-0"x7'-0"	STL	PAINT	STL	PAINT	-	HW-04	3/AP915	4/AP915	-	SEE AP915	
414	TPSS#33	CC	25'-0"x8'-0"	STL	PAINT	STL	PAINT	-	HW-08	3/AP915	5/AP915	-	PROVIDE PADLOCK, SEE AP915	

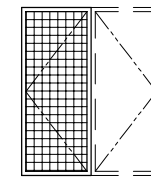
DOOR TYPES



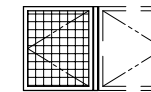
A
FLUSH DOOR



B
PAIR SWINGING
FLUSH DOORS



C
GATE



D
GATE



E
GATE

CC
DOUBLE GATES

DD
DOUBLE GATES

NOTES:
1. REFER TO SPECS FOR HARDWARE GROUP DESCRIPTION

SHEET REVISIONS DEFERRED TO 100%. MOVE TO TPSS SHEET

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET

LICENSED ARCHITECT

Claudia A. Guadagne

REN. 3/31/2021

NO. C27982

STATE OF CALIFORNIA

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CHECKED: C. Guadagne

DRAWN: L. Canlas

CADD FILE NAME: 801AP568.DWG

**Santa Clara Valley
Transportation
Authority**

APPROVED

CADD FILE DATE: 06/21/2020

SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN

BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT

ARCHITECTURAL
STORY & EASTRIDGE STATION
DOOR SCHEDULES & DETAILS

PCA NO. 000	CONTRACT NO. [A###] C801	FILE LOCATION PROJECTWISE
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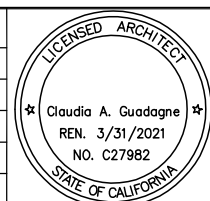
SHEET OF
DRAWING NO. AP568
REVISION A

FINISH SCHEDULE

ROOM NO	ROOM NAME	FLOOR		BASE	WALLS		CEILING			REMARKS
		MATL	FIN	MATL	MATL	FIN	MATL	FIN	HT	
101	STAIR #1	CONC	SEALER	-	CONC	PT	CONC	PT	-	ALL EXPOSED METAL TO BE PAINTED
102	STORAGE #1	CONC	SEALER	-	GYP BD CONC	PT	CONC	PT	10'-0"	
103	ELEV MACHINE ROOM #1	CONC	SEALER	-	GYP BD CONC	PT	CONC	PT	10'-0"	
104	STAIR #2	CONC	SEALER	-	CONC	PT	CONC	PT	-	ALL EXPOSED METAL TO BE PAINTED
105	STORAGE #2	CONC	SEALER	-	GYP BD CONC	PT	CONC	PT	10'-0"	
106	ELEV MACHINE ROOM #2	CONC	SEALER	-	GYP BD CONC	PT	CONC	PT	10'-0"	
107	SOUTH EMERGENCY EXIT STAIR #3	CONC	SEALER	-	CONC	PT	CONC	PT	-	ALL EXPOSED METAL TO BE PAINTED
108	NORTH EMERGENCY EXIT STAIR #5	CONC	SEALER	-	CONC	PT	CONC	PT	-	ALL EXPOSED METAL TO BE PAINTED
109	STORAGE #3	CONC	SEALER	-	GYP BD CONC	PT	CONC	PT	10'-0"	
110	ELECTRICAL ROOM	CONC	SEALER	-	GYP BD CONC	PT	CONC	PT	10'-0"	
111	ELEVATOR MACHINE RM #3	CONC	SEALER	-	GYP BD CONC	PT	CONC	PT	10'-0"	
POC LEVEL										
201	EAST POC	CONC	SEALER	-	-	-	STRUCT ABV	-	-	ALL EXPOSED METAL TO BE PAINTED
202	WEST POC	CONC	SEALER	-	-	-	STRUCT ABV	-	-	ALL EXPOSED METAL TO BE PAINTED
203	CENTRAL POC	CONC	SEALER	-	-	-	STRUCT ABV	-	-	ALL EXPOSED METAL TO BE PAINTED
204	STAIR #4	CONC	SEALER	-	CONC	PT	CONC*	PT	-	ALL EXPOSED METAL TO BE PAINTED
-										
PLATFORM LEVEL										
301	ACCESS TO ELEVATOR	CONC	SEALER	-	-	-	STRUCT ABV	-	-	ALL EXPOSED METAL TO BE PAINTED
302	PLATFORM	CONC	SEALER	-	-	-	STRUCT ABV	-	-	ALL EXPOSED METAL TO BE PAINTED
303	ACCESS TO SIGNALS COMM HOUSE	CONC	SEALER	-	-	-	STRUCT ABV	-	-	ALL EXPOSED METAL TO BE PAINTED
304	MAINTENANCE CLOSET	CONC	PORCELAIN TILE	PORCELAIN TILE	WR GYP BD	PT	CONC	PT	10'-0"	PORCELAIN TILE 2'-8" HIGH ON 2 WALLS AROUND MOP SINK
305	IT ROOM	CONC	SEALER	-	GYP BD	PT	CONC	PT	10'-0"	
306	SIGNALS / COMM ROOM	CONC	SEALER	-	GYP BD	PT	CONC	PT	10'-0"	
GROUND FLOOR LEVEL - EASTRIDGE STATION										
400	PLATFORM	CONC	SEALER	-	-	-	STRUCT ABV	-	-	ALL EXPOSED METAL TO BE PAINTED
401	IT ROOM	CONC	SEALER	-	GYP BD CONC	PT	CONC	PT	10'-0"	
402	SIGNALS / COMM ROOM	CONC	SEALER	-	GYP BD CONC	PT	CONC	PT	10'-0"	
403	ELECTRICAL ROOM	CONC	SEE REMARKS	-	GYP BD CONC	PT	CONC	PT	10'-0"	2-HR RATED CLG PROVIDE STATIC DISSIPATIVE FLOOR COATING

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A	06/20	95% SUBMITTAL SET								
NO.	DATE	REVISIONS								



SUBMITTED

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330 15TH STREET
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DESIGNED: M. Grindulo
CHECKED: C. Guadagne
DRAWN: L. Canlas
CADD FILE NAME: 801AP569.DWG

**Santa Clara Valley
Transportation
Authority**

APPROVED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/19/2020
SCALE: NONE
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL STORY & EASTRIDGE STATION FINISH SCHEDULE		
PCA NO. 000	CONTRACT NO. {A###} C801	FILE LOCATION PROJECTWISE

SHEET OF
DRAWING NO. AP569
REVISION A

WALL PANEL SCHEDULE

Table with columns for Wall Panel ID No, Size, Color, Remarks, and Remarks for two elevators. Elevator No. 1 & 2 and Elevator No. 3. Includes notes section on the right.

NOTES:
1. WALL PANEL SIZES ARE TAKEN FROM CENTERLINE OF JOINT BETWEEN PANELS. SEE DETAILS FOR JOINTS' DETAILS. CONFIRM SIZES OF ELEVATOR FRAMES AND ADJUST WALL PANEL SIZES AT ALL CORNERS...

EDB:ben C:\s00\B\3\1\801AP570.dwg Jun 23, 2020 8:55am

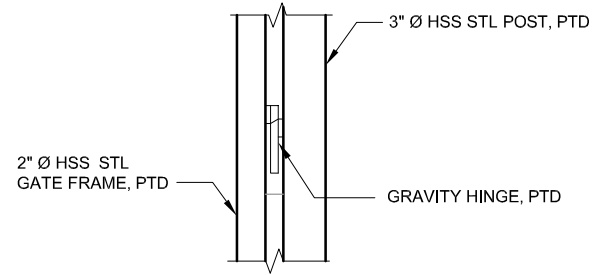
FMG ARCHITECTS logo and contact information: 330 15TH STREET OAKLAND, CA 94612 510-465-8700 TEL www.fmgarchitects.com

Santa Clara Valley Transportation Authority logo

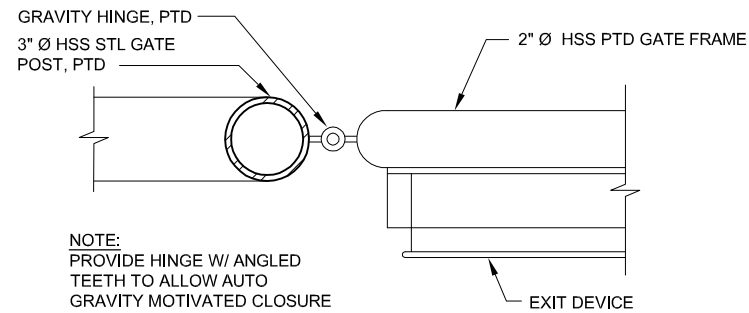
BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS logo and approval information

Project information: EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL STORY & EASTRIDGE STATION FINISH SCHEDULE

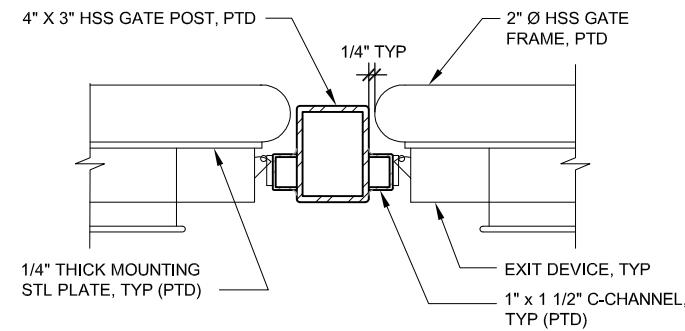
Revisions table with columns: NO., DATE, REVISIONS. Row A: 06/20, 95% SUBMITTAL SET



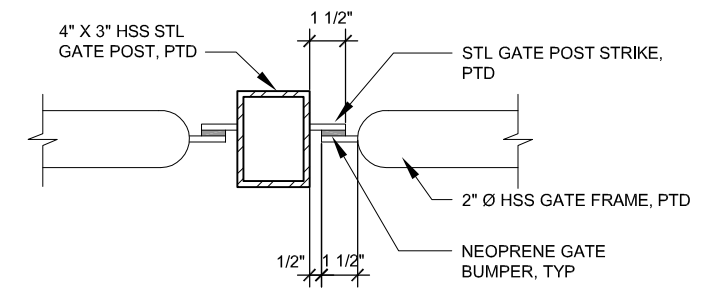
1 GRAVITY HINGE: DETAIL
AP572 SCALE 1 1/2"=1'-0"



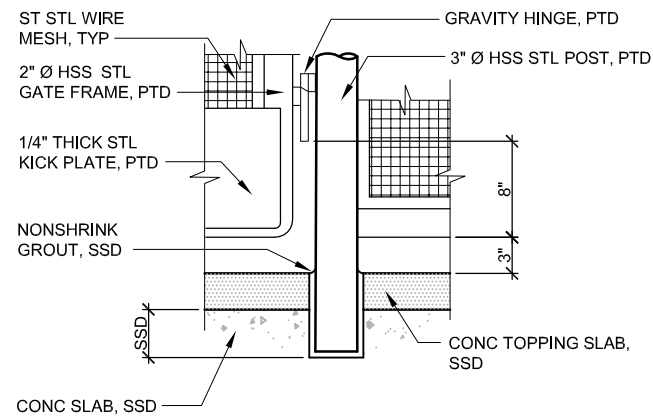
2 GRAVITY HINGE: DETAIL
AP572 SCALE 3"=1'-0"



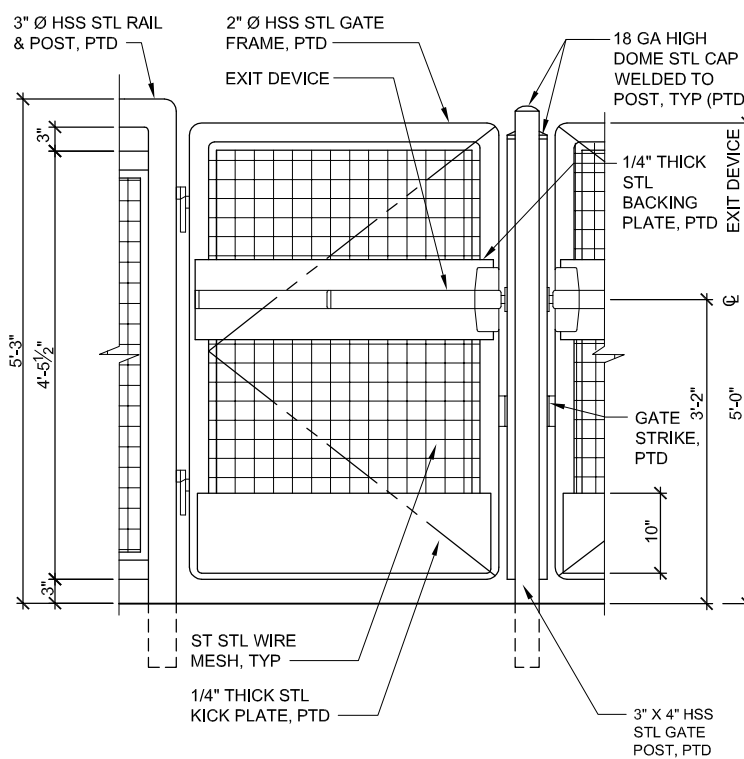
3 EXIT DEVICE DETAIL
AP572 SCALE 3"=1'-0"



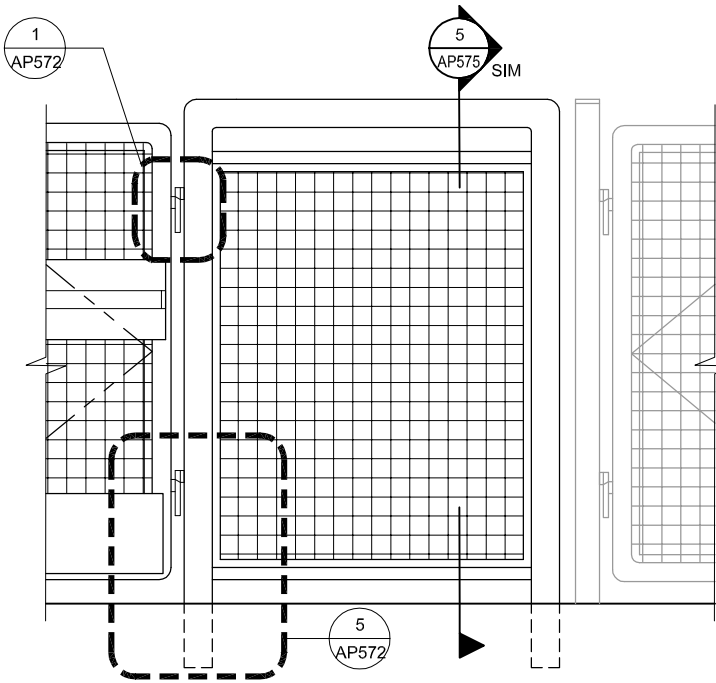
4 STRIKE DETAIL
AP572 SCALE 3"=1'-0"



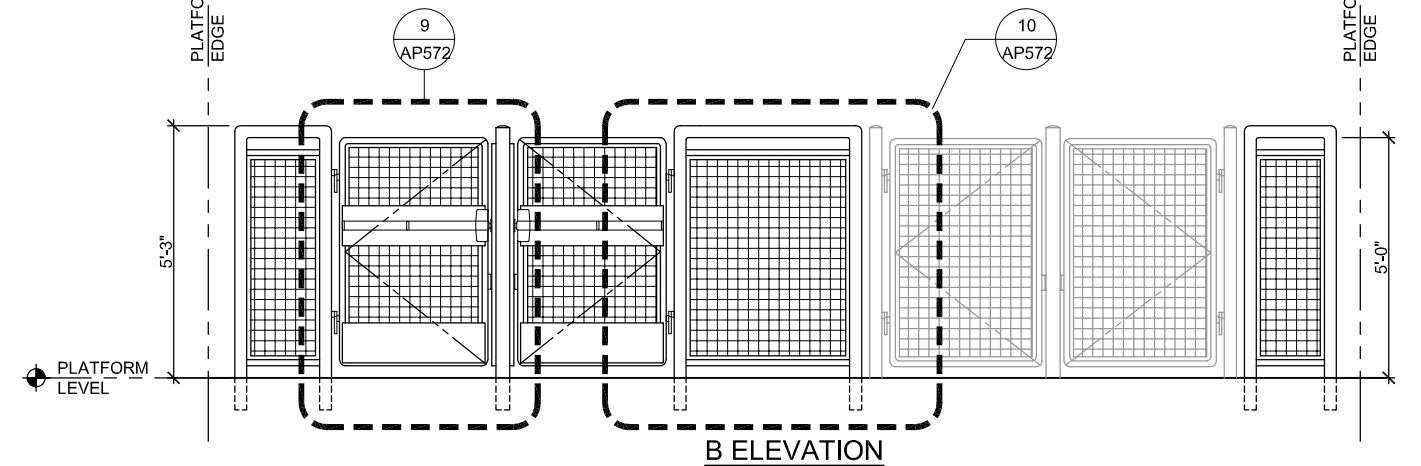
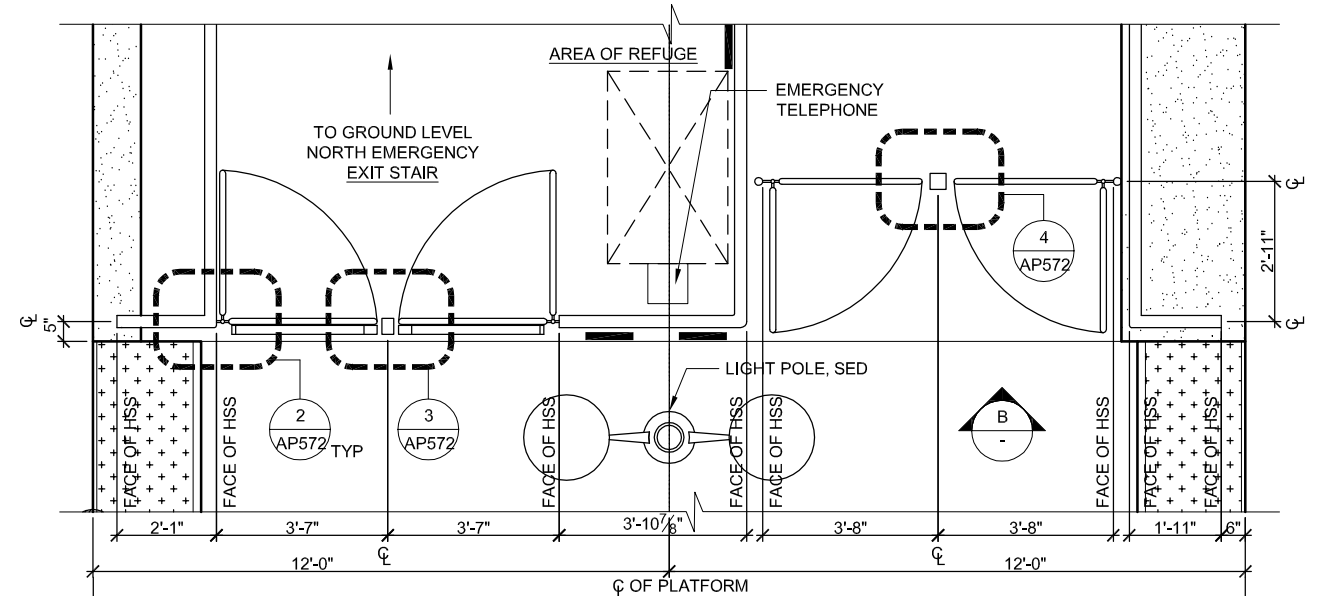
5 BARRIER RAIL SECTION / ELEVATION
AP572 SCALE 1 1/2"=1'-0"



9 ELEVATION - EMERGENCY EXIT GATE
AP572 SCALE 1"=1'-0"



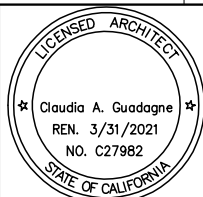
10 BARRIER RAIL DETAIL
AP572 SCALE 1"=1'-0"



11 PLATFORM BARRIER RAIL AND GATES
AP572 SCALE 1/2"=1'-0" AP560

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



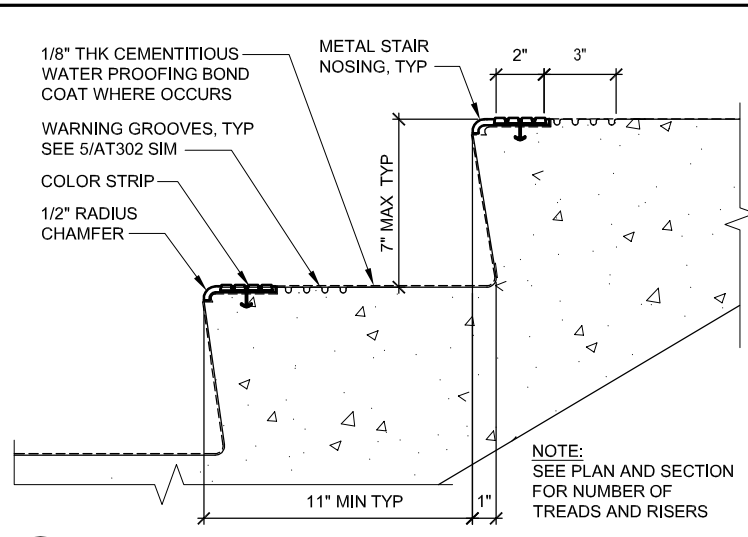
SUBMITTED		FMG ARCHITECTS 330 15TH STREET OAKLAND, CA 94612 510-465-8700 TEL www.fmgarchitects.com	
DESIGNED	M. Grindulo	CHECKED	C. Guadagne
DRAWN	L. Canlas	CADD FILE NAME	801AP572.DWG



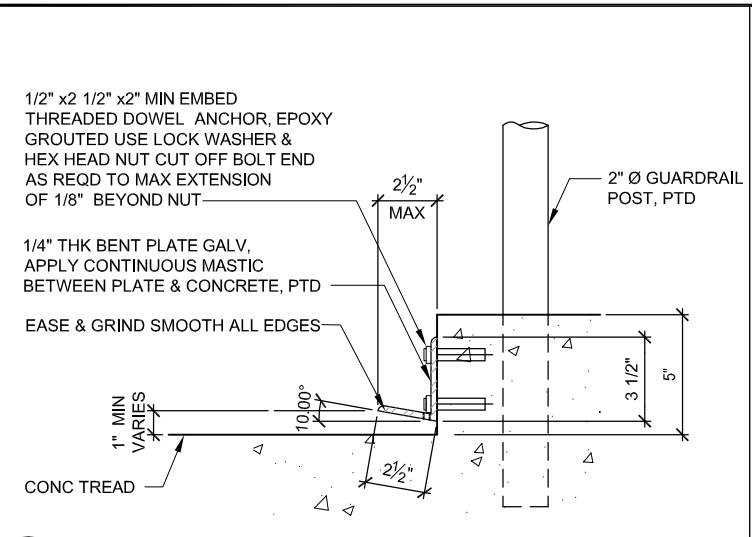
APPROVED		BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	06/21/2020	SCALE	AS NOTED
SUBMITTAL DATE	06/29/20	BOARD APPROVAL DATE	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL - STORY STATION ACCESS STRUCTURE GUARDRAIL & GATE DETAILS			
PCA NO.	000	CONTRACT NO.	C801
FILE LOCATION	PROJECTWISE		

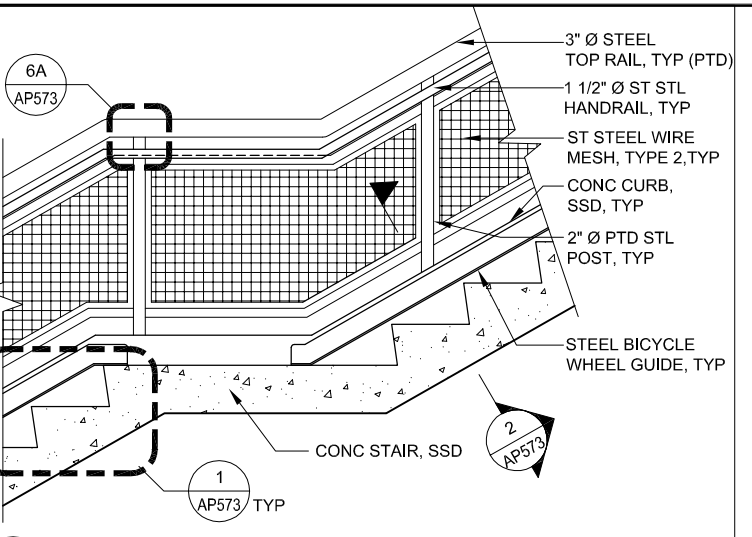
SHEET	OF
DRAWING NO.	AP572
REVISION	A



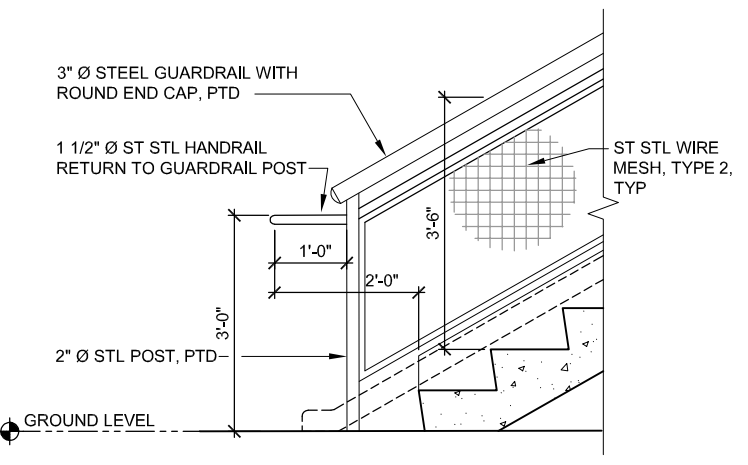
1 TYP CONC STAIR NOSING
 AP573 SCALE: 3"=1'-0"



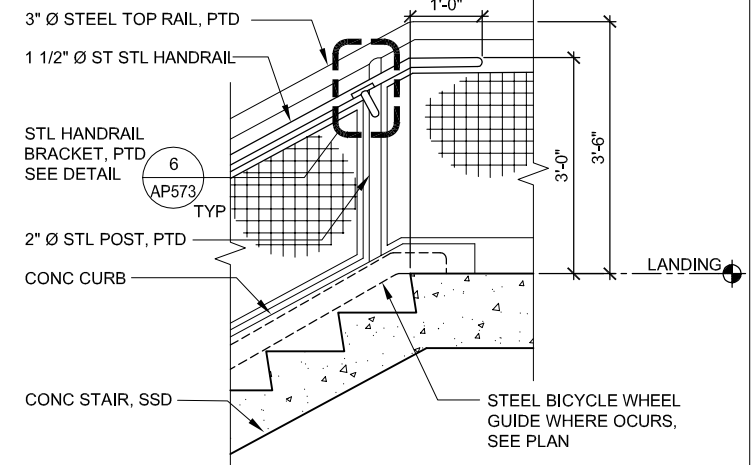
2 BICYCLE / WHEEL GUIDE DETAIL
 AP573 SCALE: 3"=1'-0"



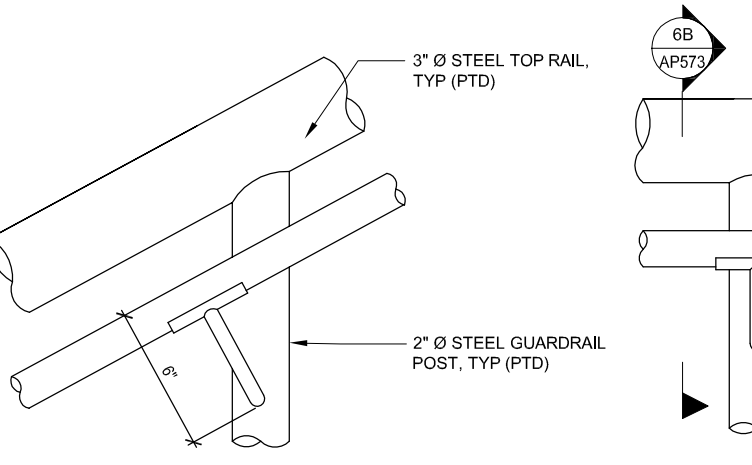
3 GUARDRAIL DETAIL AT LANDING
 AP573 SCALE: 3/4"=1'-0"



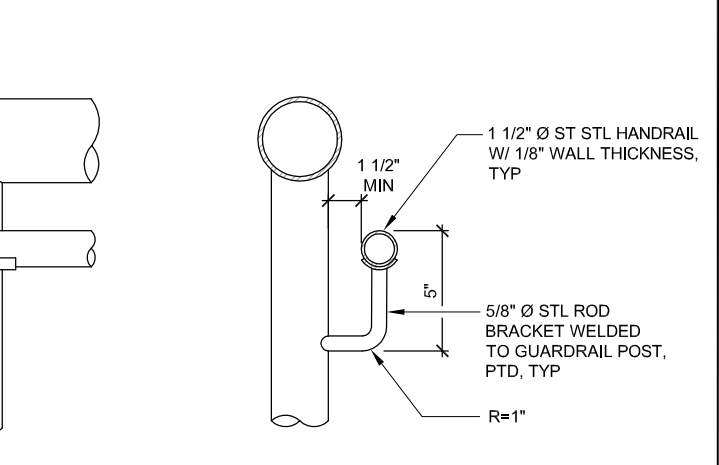
5 TYP HANDRAIL EXTENSION @ BOT LANDING
 AP573 SCALE: 3/4"=1'-0"



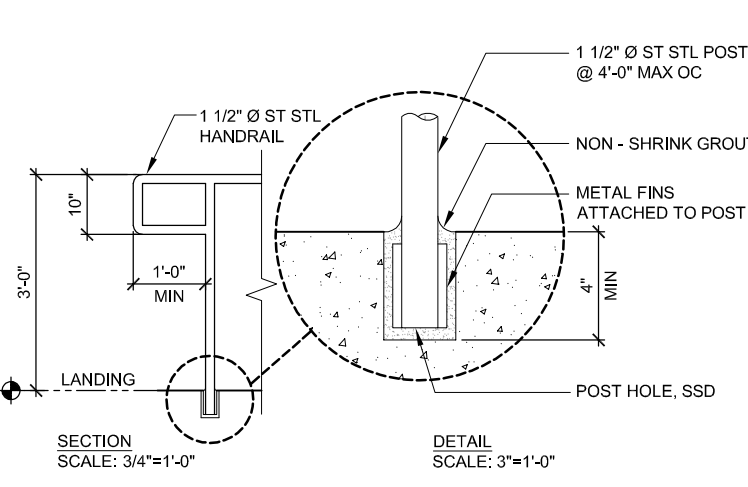
5A TYP HANDRAIL EXTENSION @ LANDING
 AP573 SCALE: 3/4"=1'-0"



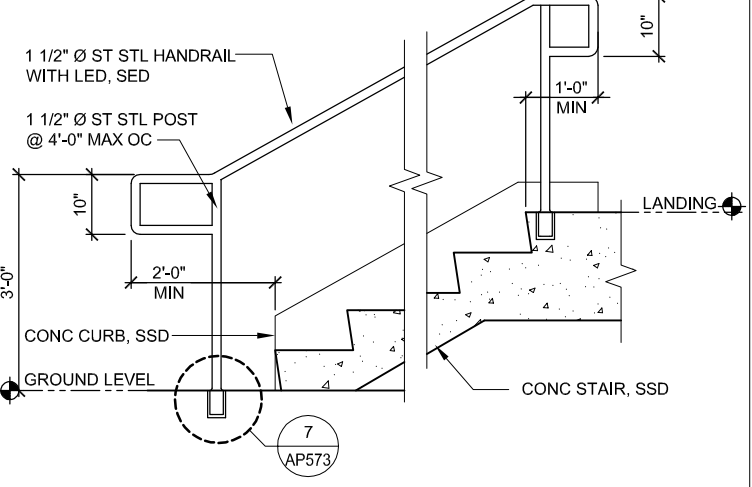
6 TYP GUARDRAIL / HANDRAIL BRACKET DETAIL
 AP573 SCALE: 3"=1'-0"



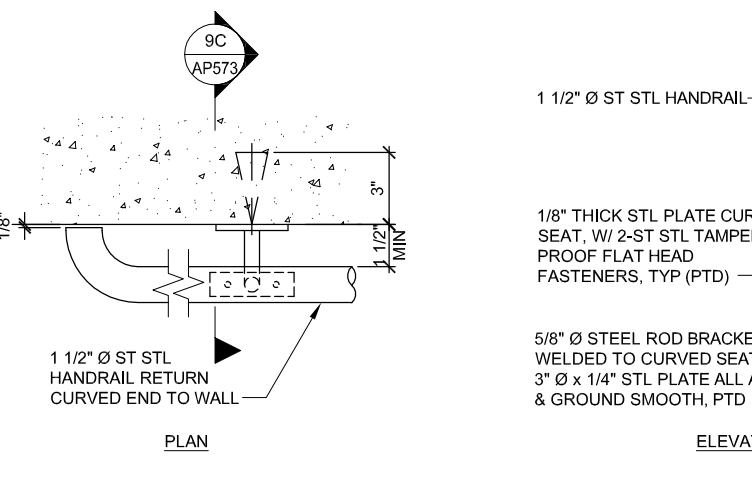
ELEVATION - A
SECTION - B



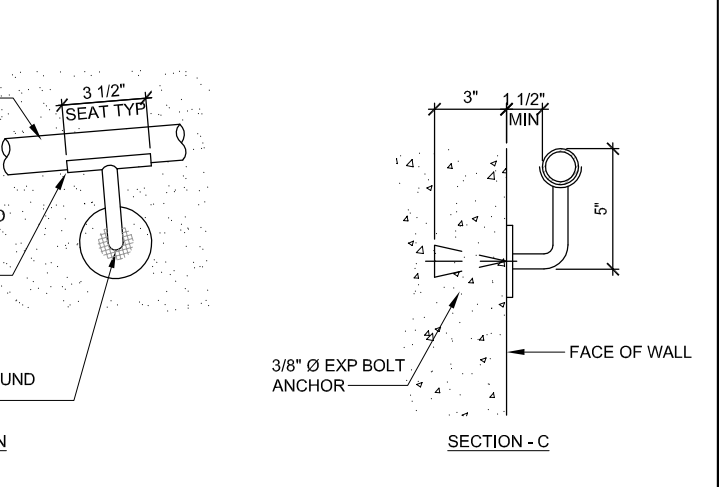
7 TYP HANDRAIL EXTENSION @ RAMP
 AP573 SCALE: AS NOTED



8 TYP HANDRAIL EXTENSION @ STAIR
 AP573 SCALE: 3/4"=1'-0"



9 TYP HANDRAIL BRACKET DETAIL
 AP573 SCALE: 3"=1'-0"



ELEVATION
SECTION - C

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET

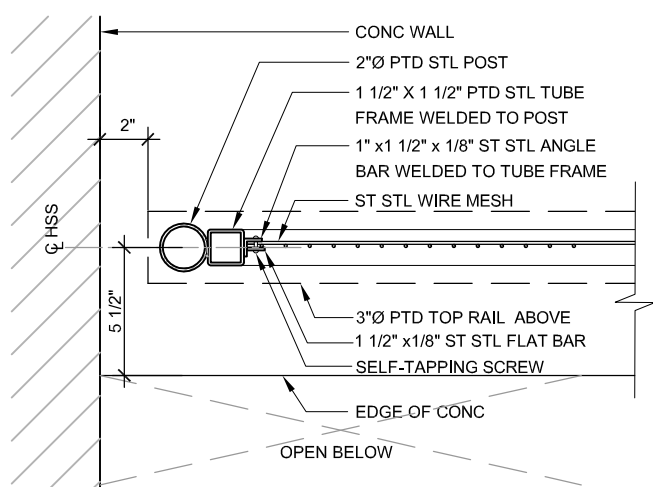


SUBMITTED		 FMG ARCHITECTS 330 15TH STREET OAKLAND, CA 94612 510-465-8700 TEL www.fmgarchitects.com	
DESIGNED	M. Grindulo	CHECKED	C. Guadagne
DRAWN	L. Canlas	CADD FILE NAME	801AP573.DWG

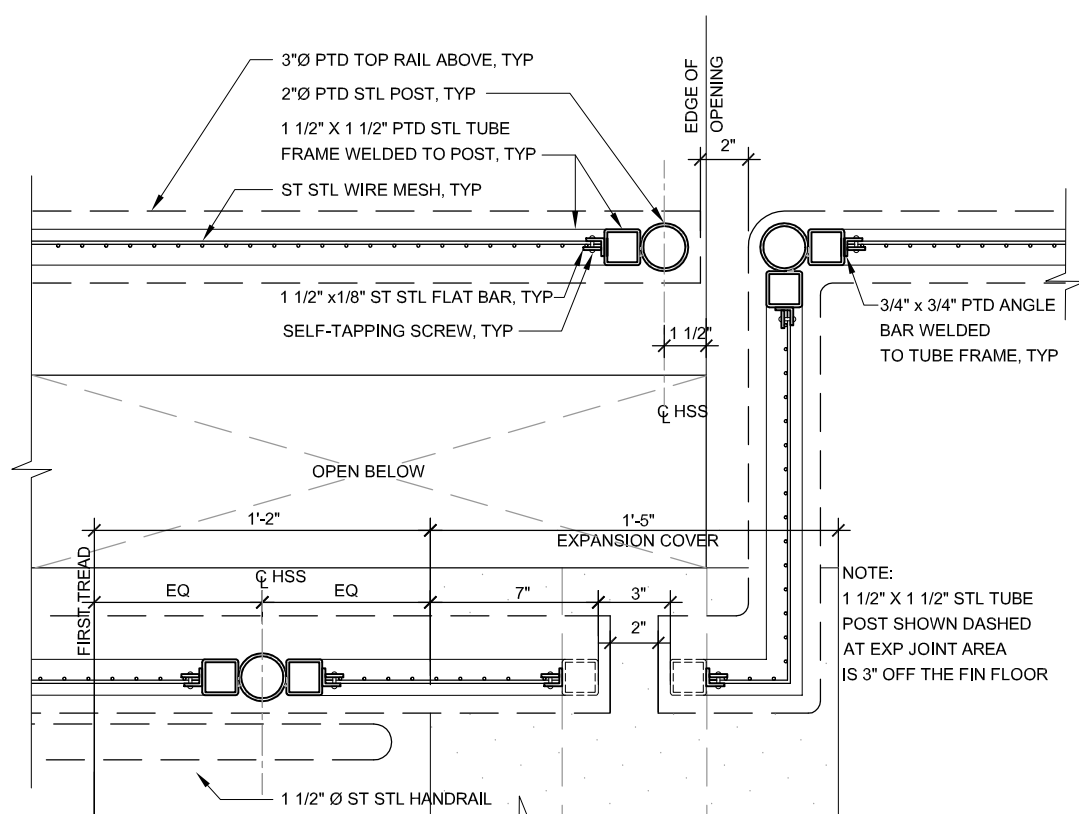


APPROVED		 BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	06/21/2020	SCALE	AS NOTED
SUBMITTAL DATE	06/29/20	BOARD APPROVAL DATE	

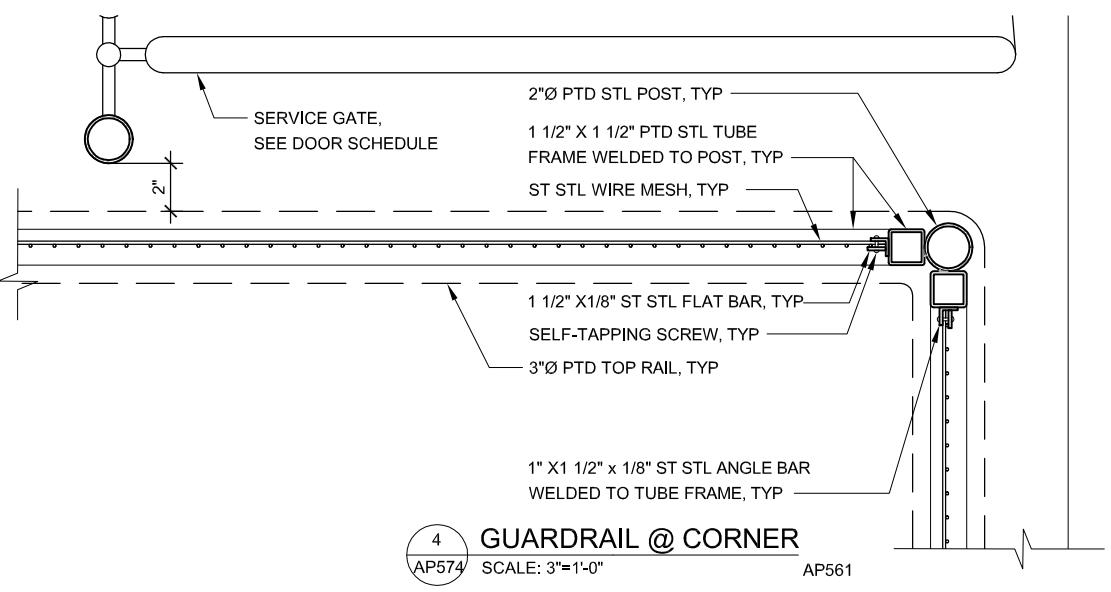
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL GUARDRAIL, HANDRAIL & STAIR DETAILS			SHEET OF DRAWING NO. AP573 REVISION A
PCA NO.	000	CONTRACT NO.	C801
FILE LOCATION	PROJECTWISE		



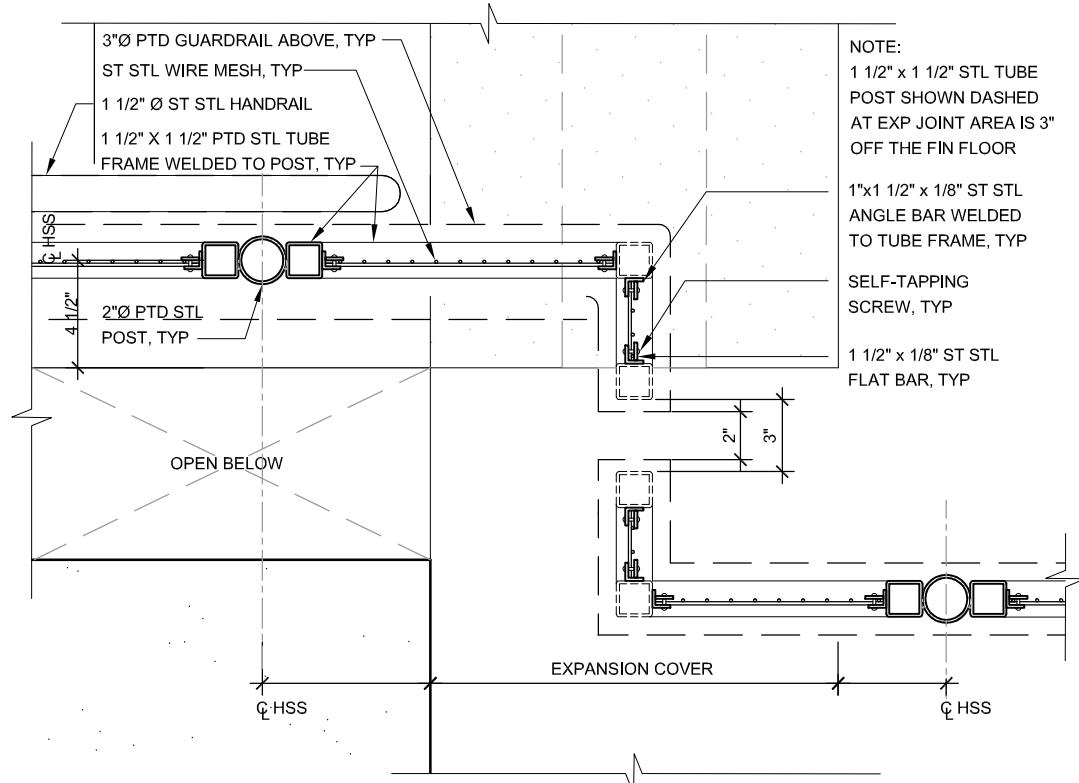
1 GUARDRAIL ADJACENT TO WALL
 AP574 SCALE: 3"=1'-0" AP561



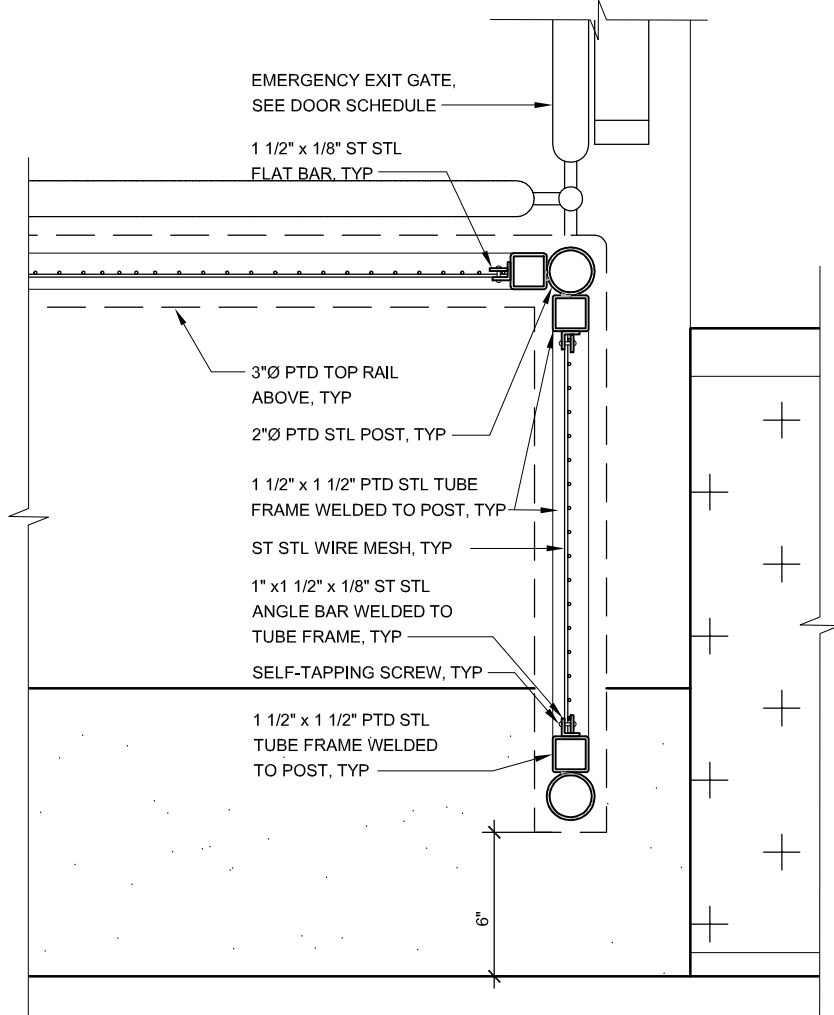
2 GUARDRAIL @ EXP JOINT COVER
 AP574 SCALE: 3"=1'-0" AP561



4 GUARDRAIL @ CORNER
 AP574 SCALE: 3"=1'-0" AP561



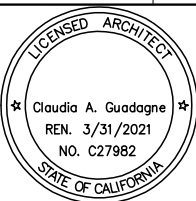
10 GUARDRAIL @ EXP JOINT COVER
 AP574 SCALE: 3"=1'-0" AP561



12 GUARDRAIL @ EDGE OF PLATFORM
 AP574 SCALE: 3"=1'-0" AP561

Dell ESJ - Jun 21, 2020 - 4:38pm C:\cadd\B\B\m\locates\west\cadd\8371\801AP574.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED

FMG ARCHITECTS
 330 15TH STREET
 OAKLAND, CA 94612
 510-465-8700 TEL
 www.fmgarchitects.com

DESIGNED: M. Grindulo
 CHECKED: C. Guadagne
 DRAWN: L. Canlas
 CADD FILE NAME: 801AP574.DWG

Santa Clara Valley
Transportation Authority

APPROVED

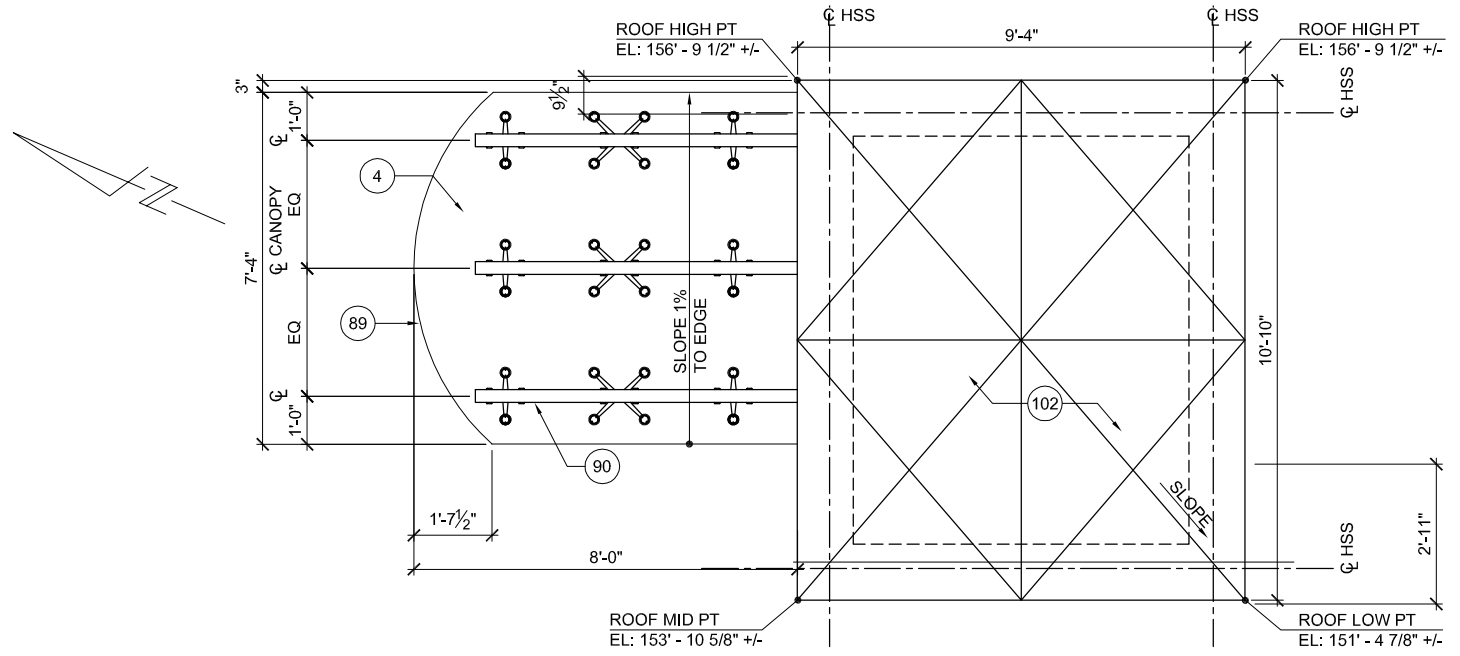
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/21/2020
 SCALE: 3"=1'-0"
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 ACCESS STRUCTURE
 GUARDRAIL DETAILS

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. AP574
REVISION	A

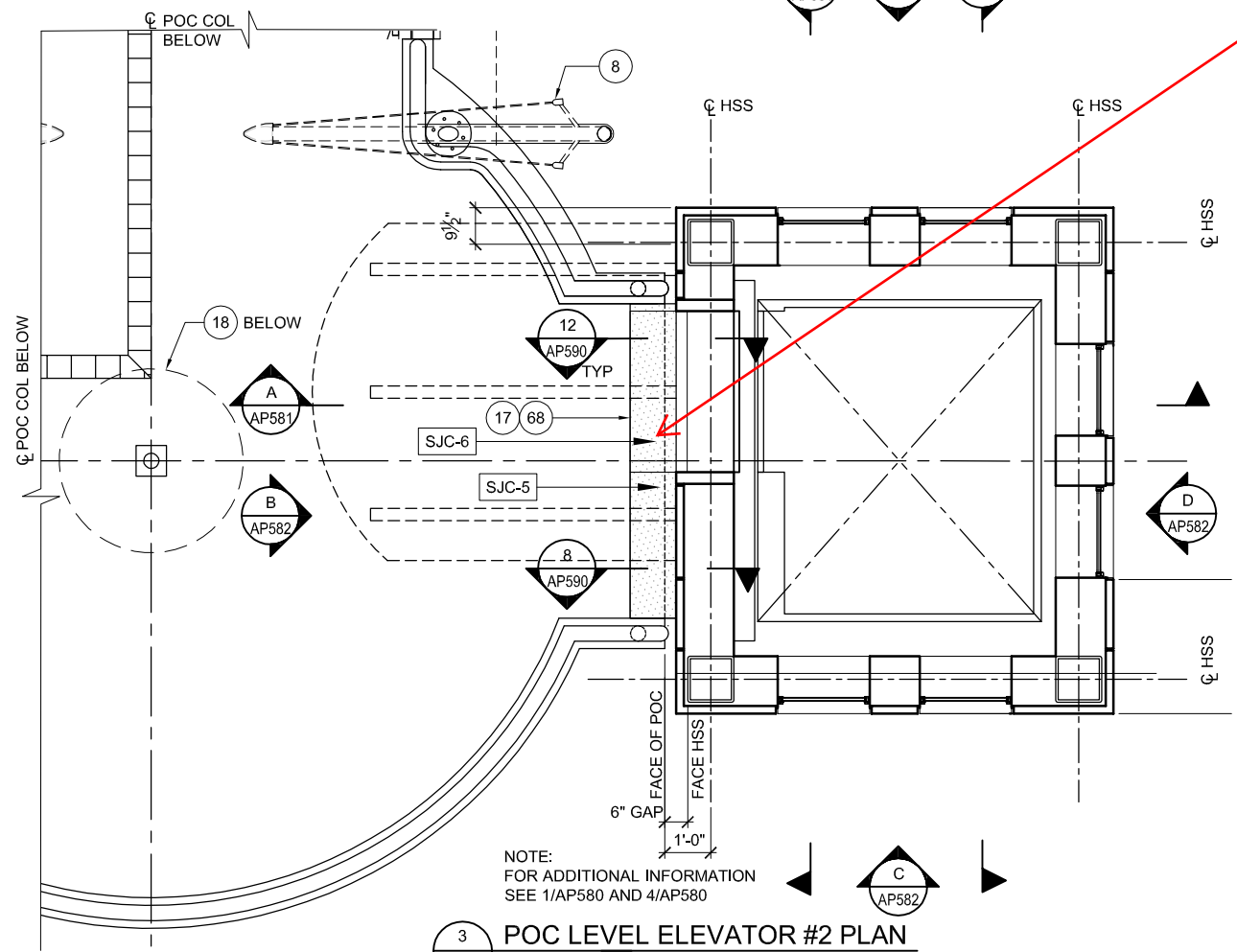


1 ELEVATOR #2 ROOF PLAN
AP580 SCALE: 1/2"=1'-0"

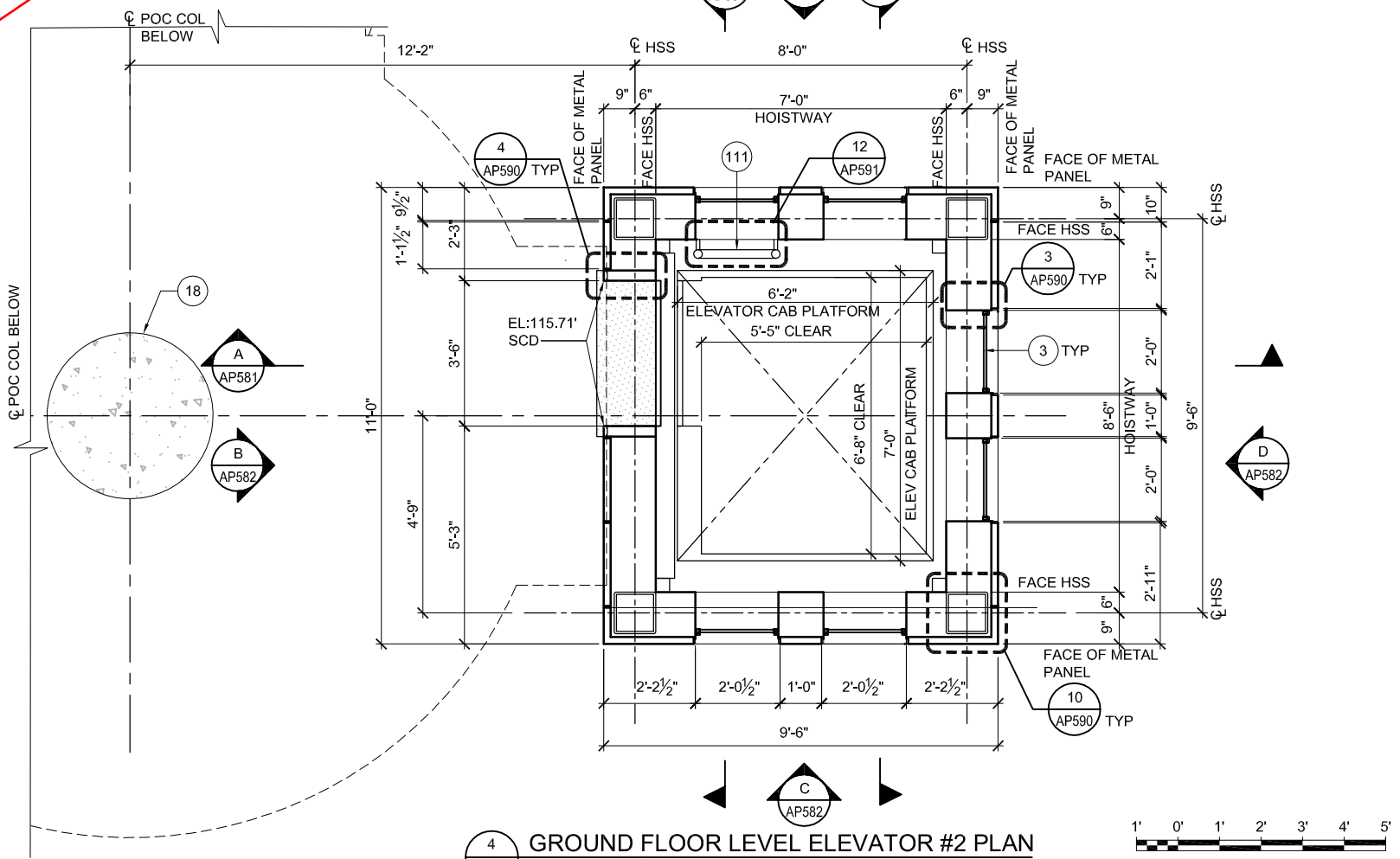
SEISMIC JOINT COVER REVISIONS DEFERRED TO 100%. STRUCTURAL COORDINATION WITH MANUFACTURER IS NOT DONE

- NOTES:**
1. REFER TO STRUCTURAL DWGS FOR ADDITIONAL INFORMATION
 2. PAINT ALL EXPOSED STEEL

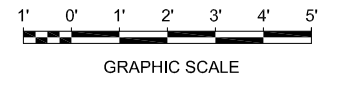
- KEY NOTES:**
- 3 ALUMINUM FRAME WINDOW
 - 4 CANOPY
 - 8 LIGHT POLE, SLANTED, SED
 - 17 SEISMIC JOINT, SSD
 - 18 POC COLUMN, SSD
 - 68 SEISMIC JOINT COVER
 - 89 GLAZING
 - 90 STEEL SUPPORT, SSD
 - 102 METAL ROOF SHINGLES
 - 111 PIT LADDER



3 POC LEVEL ELEVATOR #2 PLAN
AP580 SCALE: 1/2"=1'-0" AP531

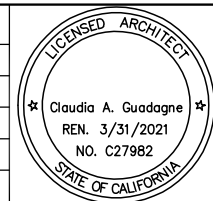


4 GROUND FLOOR LEVEL ELEVATOR #2 PLAN
AP580 SCALE: 1/2"=1'-0" AP530



Dell 530 Jun 21, 2020 - 5:00pm C:\cadd\B\B\Locations\west\cadd\8371\801AP580.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED		FMG ARCHITECTS 330 15TH STREET OAKLAND, CA 94612 510-465-8700 TEL www.fmgarchitects.com	
DESIGNED	M. Grindulo	CHECKED	C. Guadagne
DRAWN	M. Grindulo	CADD FILE NAME	801AP580.DWG



APPROVED		BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	06/21/2020	SCALE	1/2"=1'-0"
SUBMITTAL DATE	06/29/20	BOARD APPROVAL DATE	

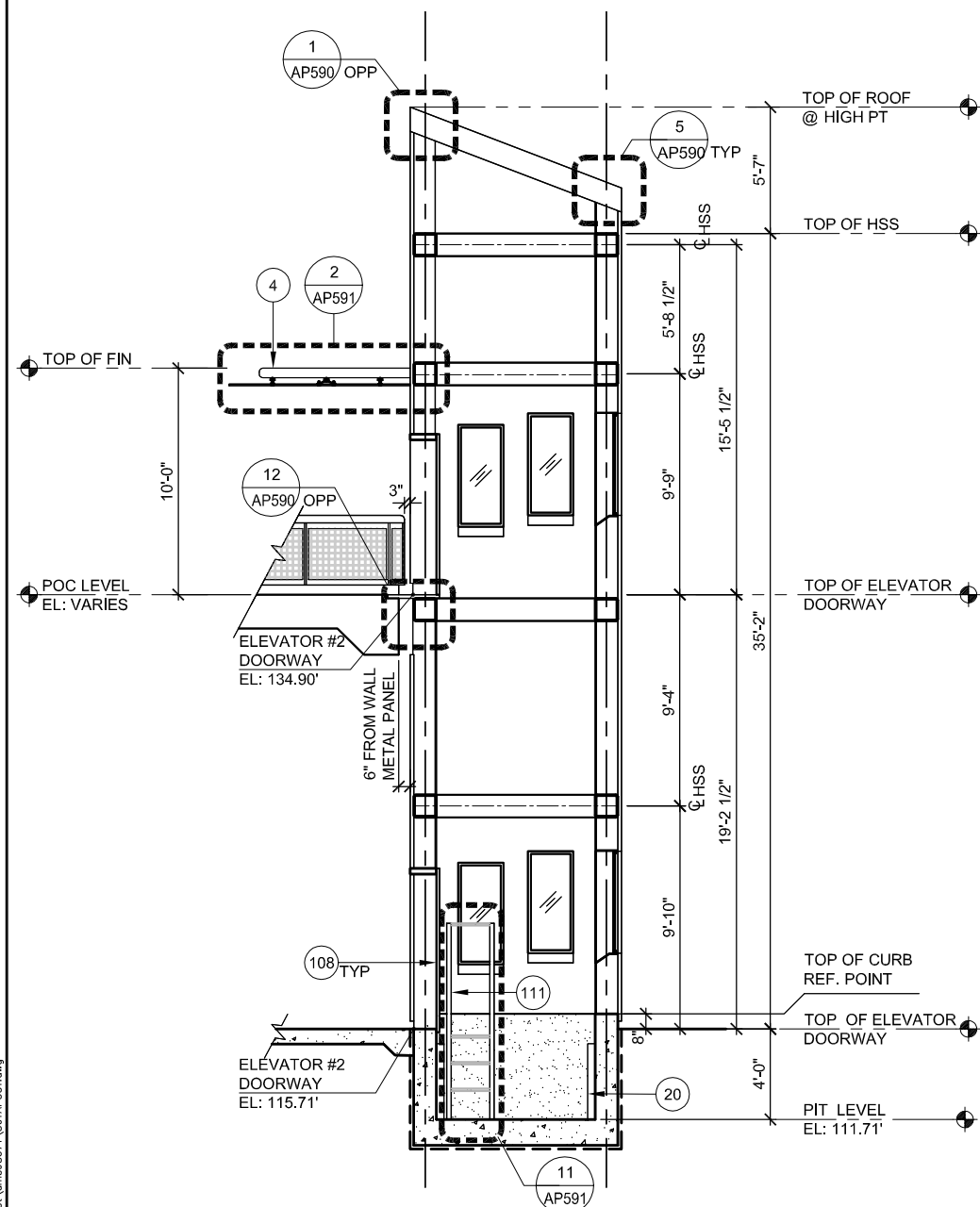
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL - STORY STATION ELEVATOR #2 ENLARGED PLANS			SHEET OF
			DRAWING NO. AP580
			REVISION B
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	

NOTES:

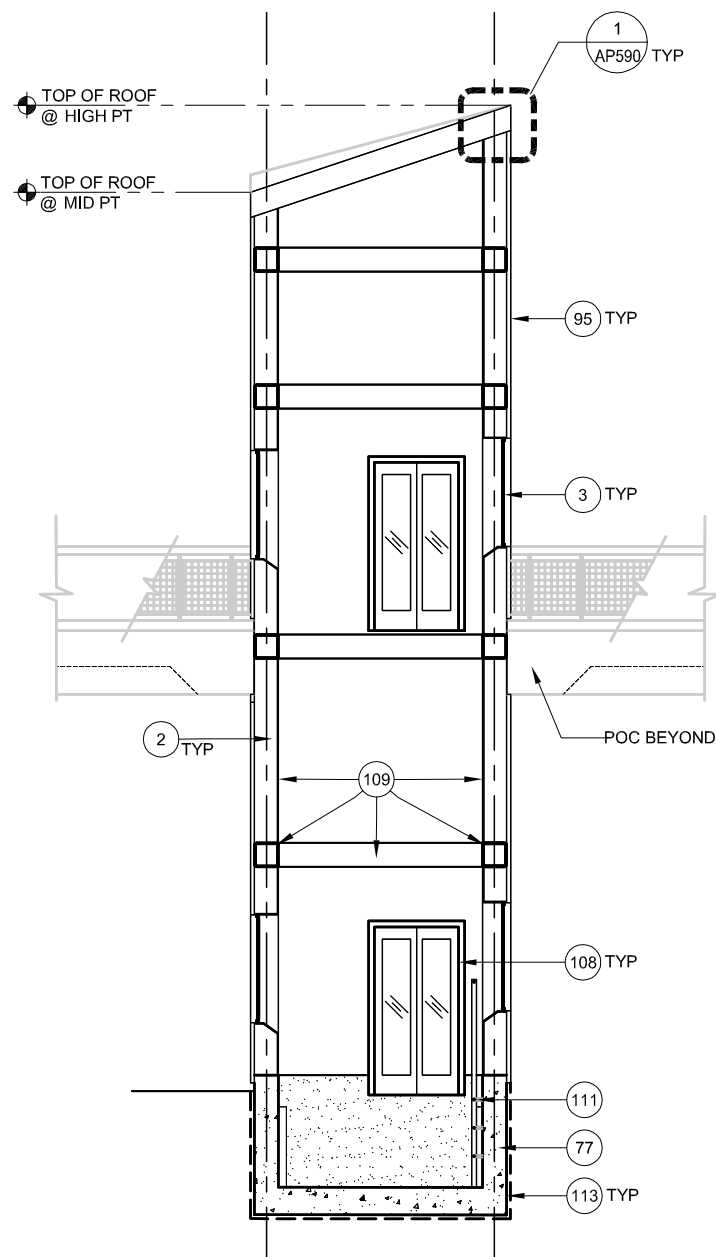
1. REFER TO STRUCTURAL DWGS FOR ADDITIONAL INFORMATION
2. PAINT ALL EXPOSED STEEL

KEY NOTES:

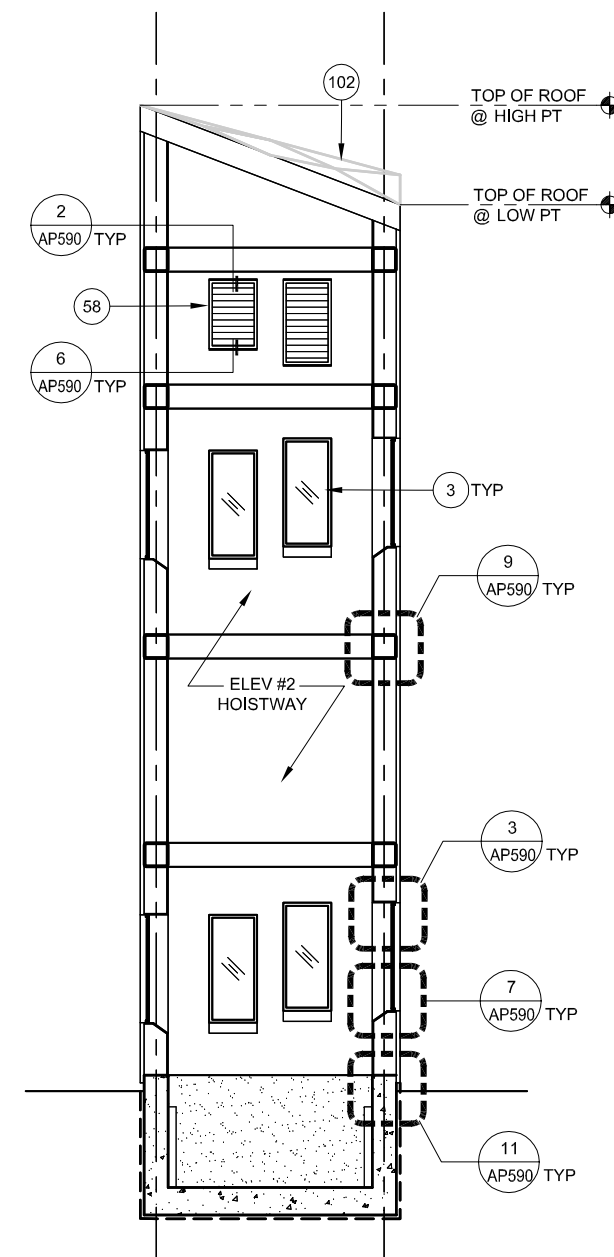
- 2 HSS COLUMN, SSD
- 3 ALUMINUM - FRAMED WINDOW
- 4 CANOPY
- 20 COLUMN, SSD
- 58 LOUVER, SMD
- 77 CONCRETE WALL, SSD
- 95 METAL WALL PANEL
- 102 METAL ROOF SHINGLES
- 108 ELEVATOR HOISTWAY DOORS
- 109 STEEL FRAME, SSD
- 111 PIT LADDER
- 113 THERMOPLASTIC SHEET WATERPROOFING



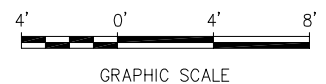
A SECTION
AP581 SCALE: 1/4"=1'-0" AP532 AP580



B SECTION
AP581 SCALE: 1/4"=1'-0" AP580

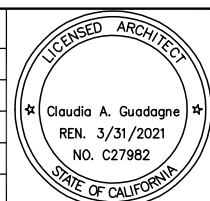


C SECTION
AP581 SCALE: 1/4"=1'-0" AP580



Dell 530 Jun 21, 2020 - 5:04pm C:\cadd\lib\pna\scantia\west\cadd\8371\801AP581.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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OAKLAND, CA 94612
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DESIGNED: M. Grindulo
CHECKED: C. Guadagne
DRAWN: M. Grindulo
CADD FILE NAME: 801AP581.DWG

Santa Clara Valley Transportation Authority

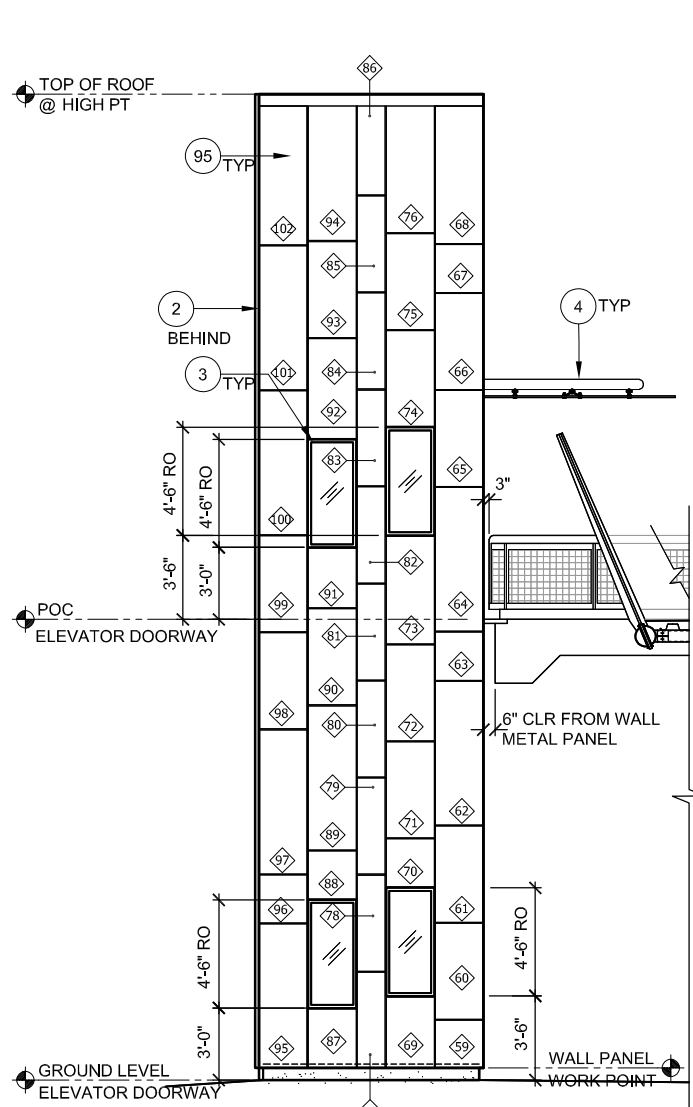
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/21/2020
SCALE: 1/4"=1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

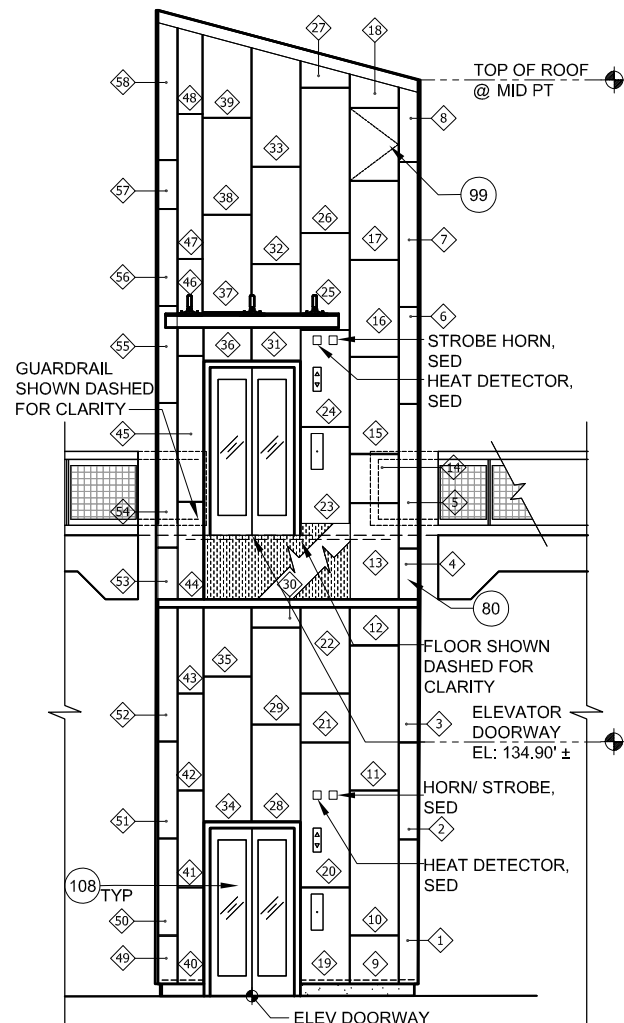
**EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - STORY STATION
ELEVATOR #2
SECTIONS**

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

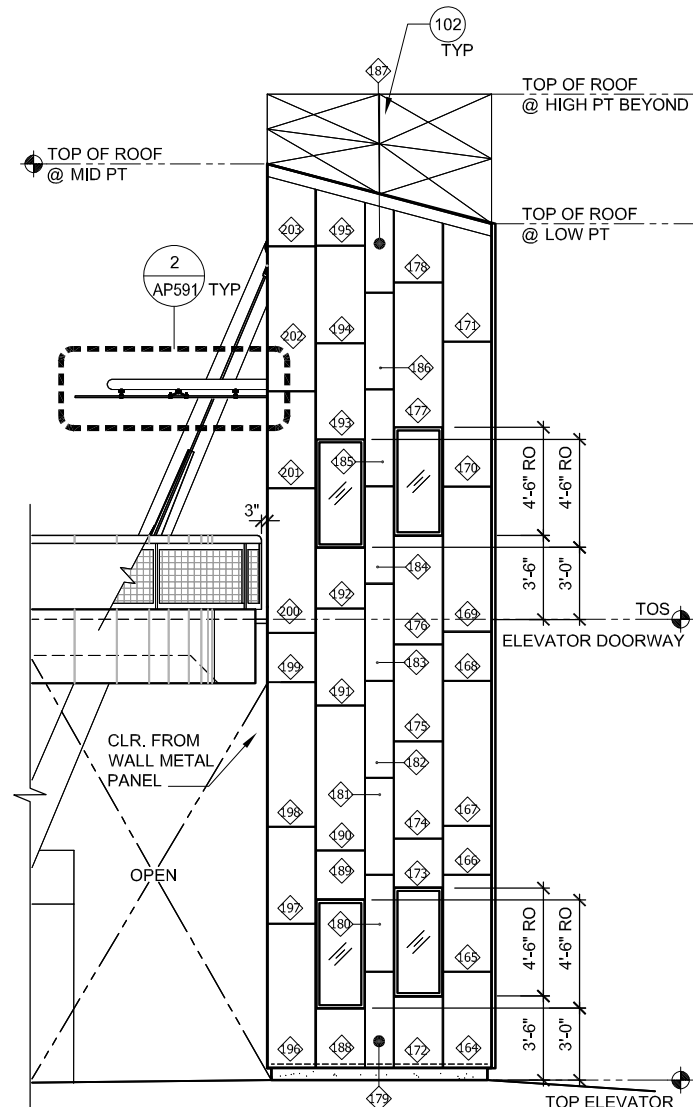
SHEET OF DRAWING NO. AP581 REVISION B



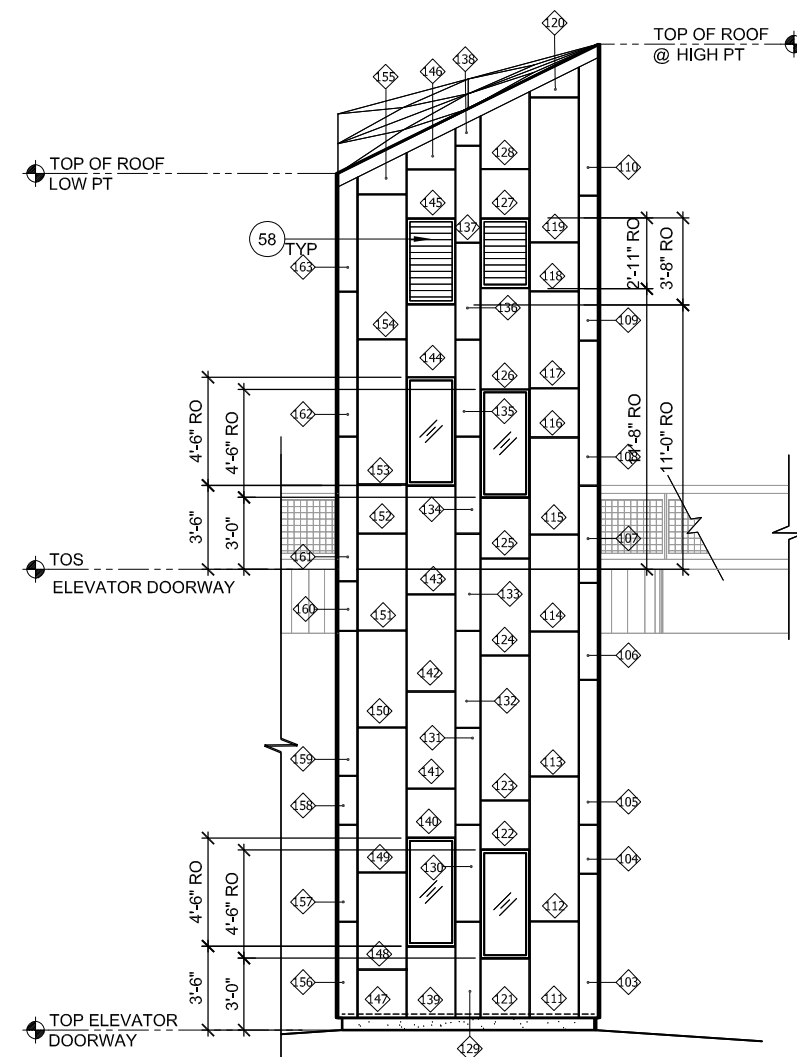
A EAST ELEVATION
 AP582 SCALE: 1/4"=1'-0" AP534 AP580



B NORTH ELEVATION
 AP582 SCALE: 1/4"=1'-0" AP580



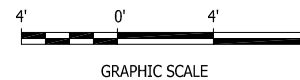
C WEST ELEVATION
 AP582 SCALE: 1/4"=1'-0" AP533 AP580



D SOUTH ELEVATION
 AP582 SCALE: 1/4"=1'-0" AP580

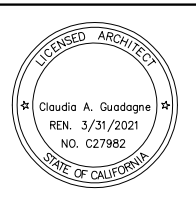
NOTES:
 REFER TO AP581 FOR WORK SHOWN BUT NOT NOTED.

- KEY NOTES:**
- 2 HSS COLUMN, SSD
 - 3 ALUMINUM - FRAMED WINDOW
 - 4 CANOPY
 - 58 LOUVER
 - 80 METAL PANELS
 - 95 WALL METAL PANEL
 - 99 ELEVATOR ACCESS PANEL
 - 102 DIAMOND SHINGLES METAL ROOFING
 - 108 ELEVATOR HOISTWAY DOORS



E:\Bueno Jun 23, 2020 - 6:53am C:\cadd\Bueno\kubano\west\omas8371\801AP582.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



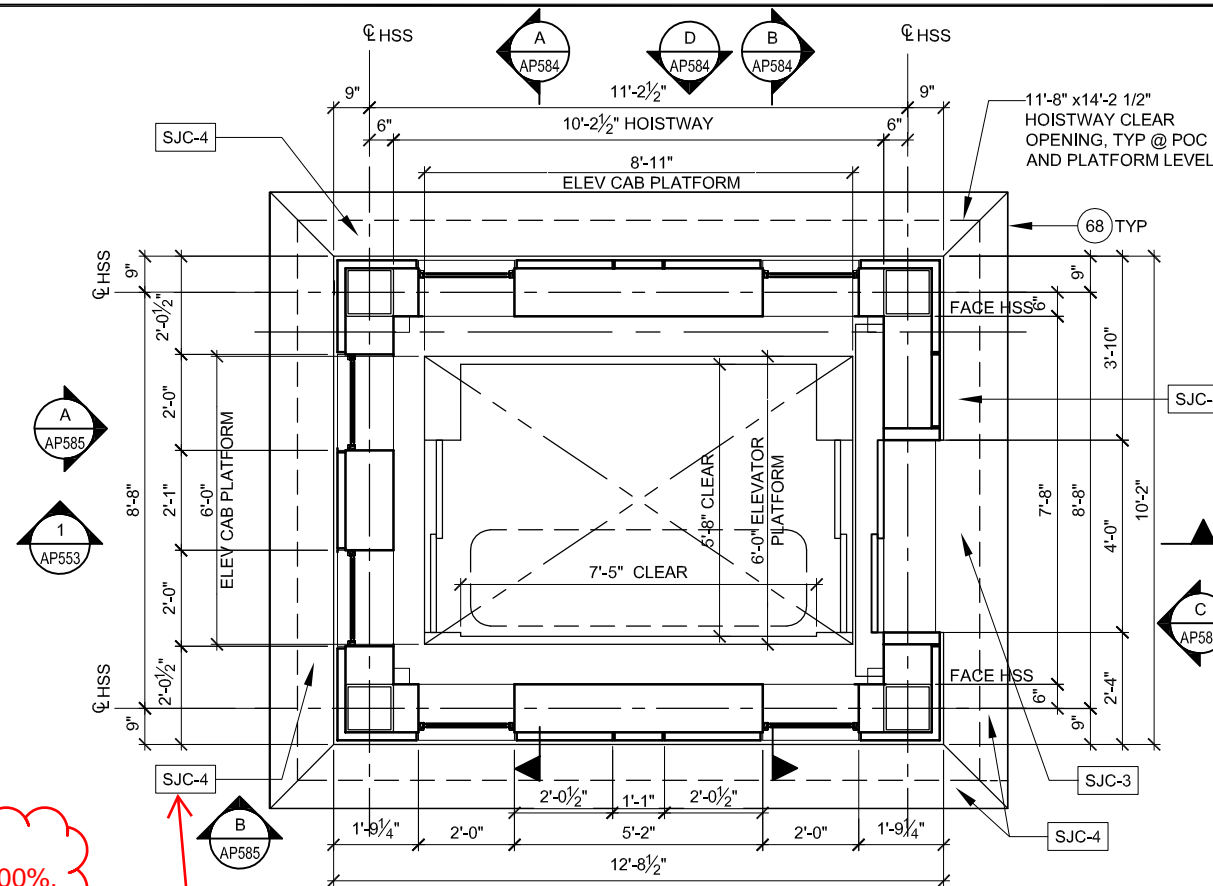
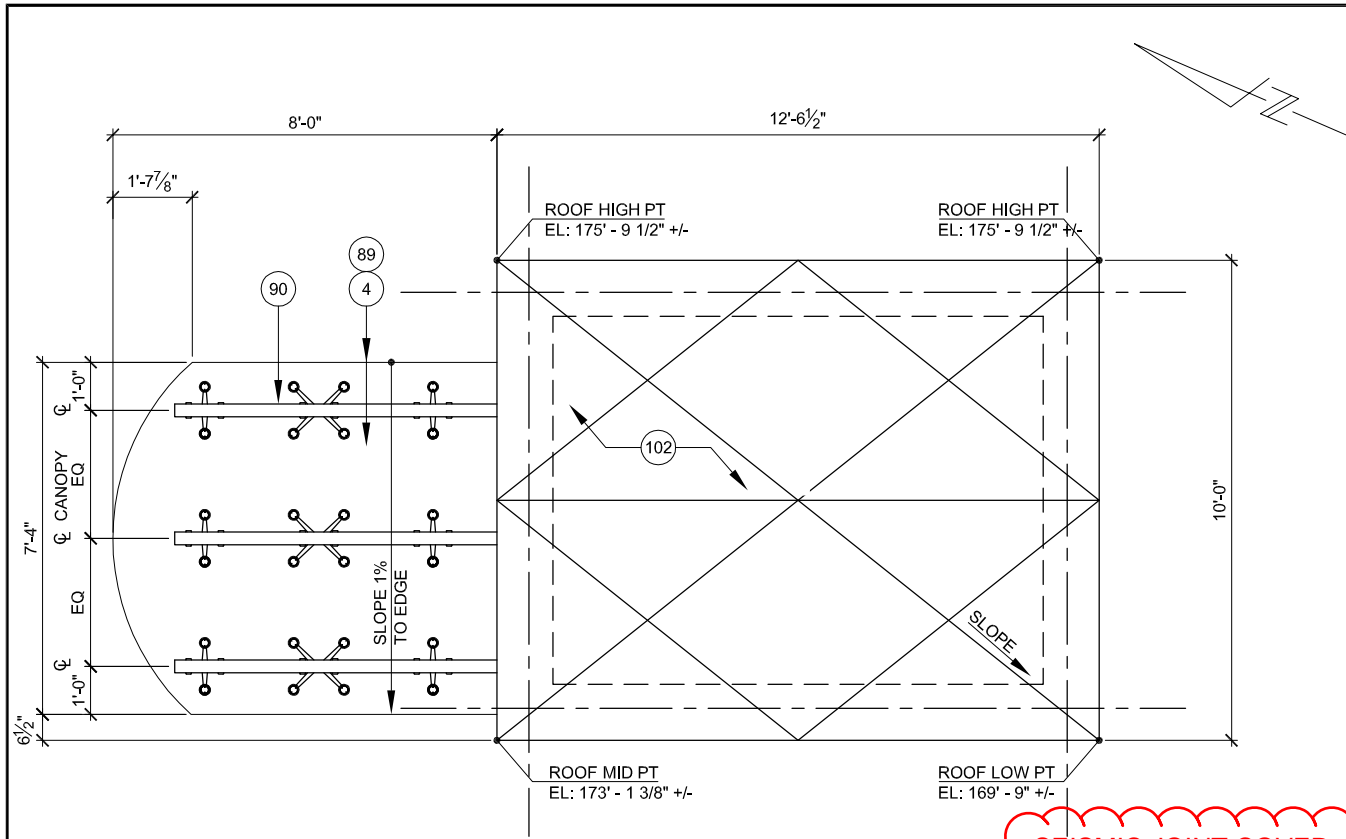
SUBMITTED
FMG ARCHITECTS
 330 15TH STREET
 OAKLAND, CA 94612
 510-465-8700 TEL
 www.fmgarchitects.com
 DESIGNED: M. Grindulo
 CHECKED: R. Cu
 DRAWN: M. Grindulo
 CADD FILE NAME: 801AP582.DWG

Santa Clara Valley
Transportation Authority

APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 06/21/2020
 SUBMITTAL DATE: 06/29/20
 SCALE: 1/4"=1'-0"
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
ELEVATOR #2 ELEVATIONS
 PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

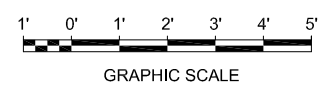
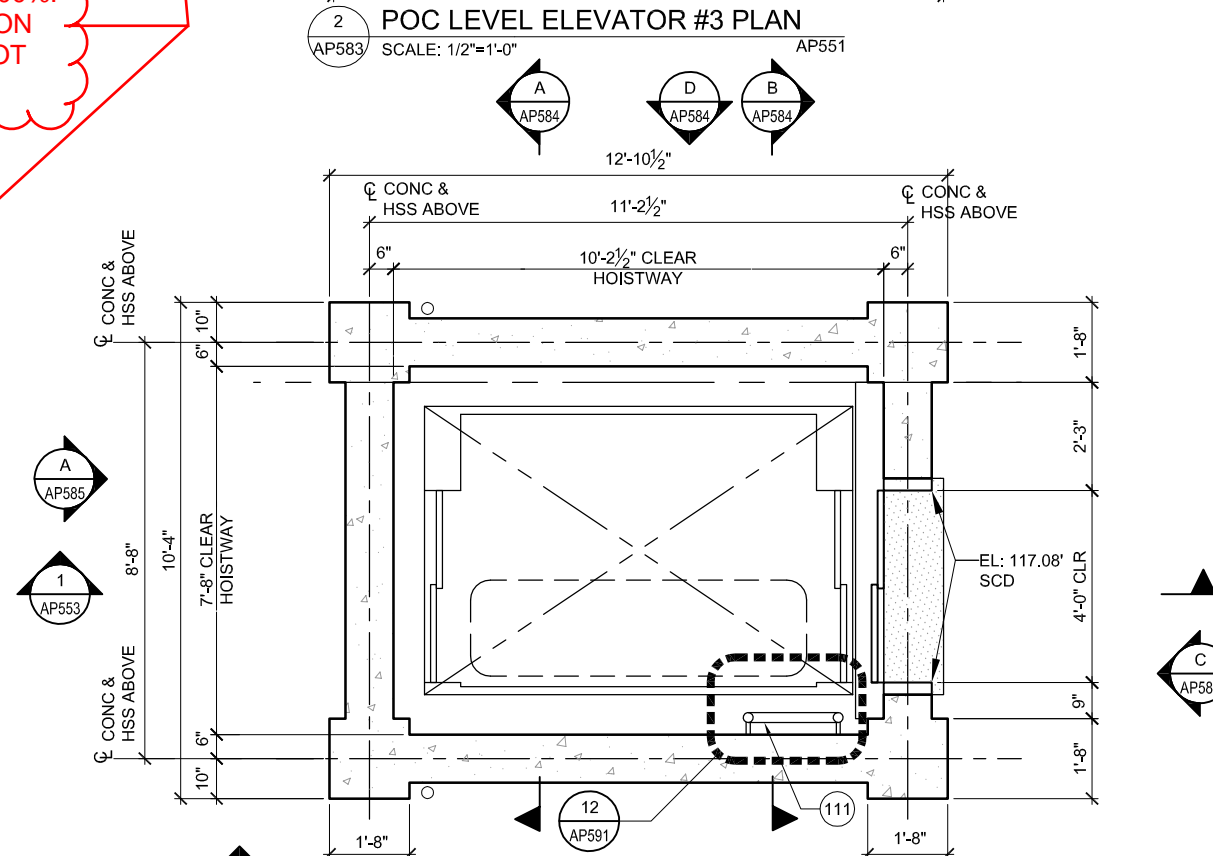
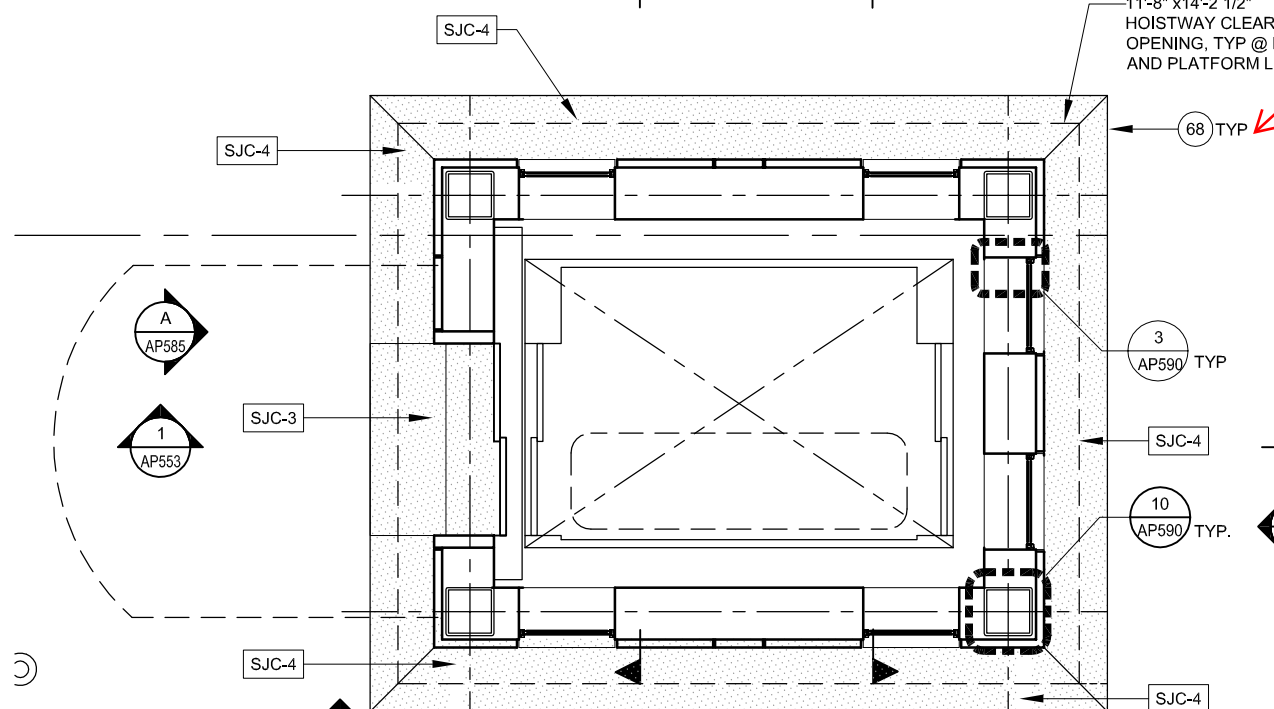
SHEET OF	AP582
DRAWING NO.	AP582
REVISION	B



- NOTES:**
- REFER TO STRUCTURAL DWGS FOR ADDITIONAL INFORMATION
 - PAINT ALL EXPOSED STEEL

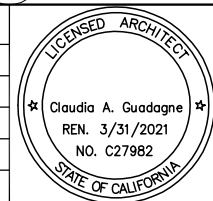
- KEY NOTES:**
- 4 CANOPY
 - 68 SEISMIC JOINT COVER
 - 89 GLAZING
 - 90 STEEL SUPPORT, SSD
 - 102 METAL ROOF SHINGLES
 - 111 PIT LADDER

SEISMIC JOINT COVER REVISIONS DEFERRED TO 100%. STRUCTURAL COORDINATION WITH MANUFACTURER IS NOT DONE



Dell 530 Jun 21, 2020 - 5:11pm C:\cadd\ss\com\west\m\98371\801\AP583.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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 330 15TH STREET
 OAKLAND, CA 94612
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DESIGNED: M. Grindulo
 CHECKED: C. Guadagne
 DRAWN: M. Grindulo
 CADD FILE NAME: 801AP583.DWG

Santa Clara Valley Transportation Authority

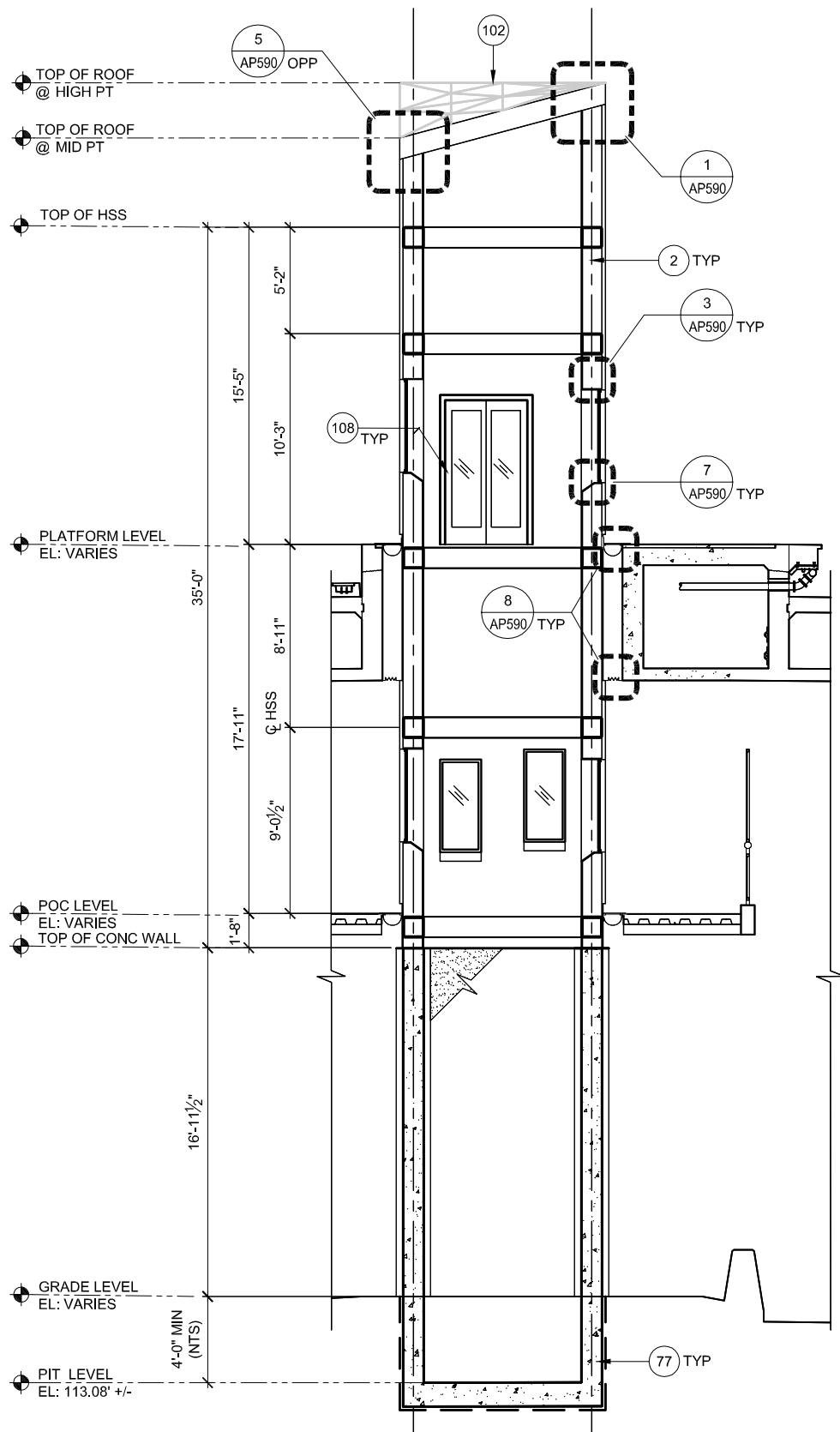
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/21/2020
 SUBMITTAL DATE: 06/29/20
 SCALE: 1/2"=1'-0"
 BOARD APPROVAL DATE:

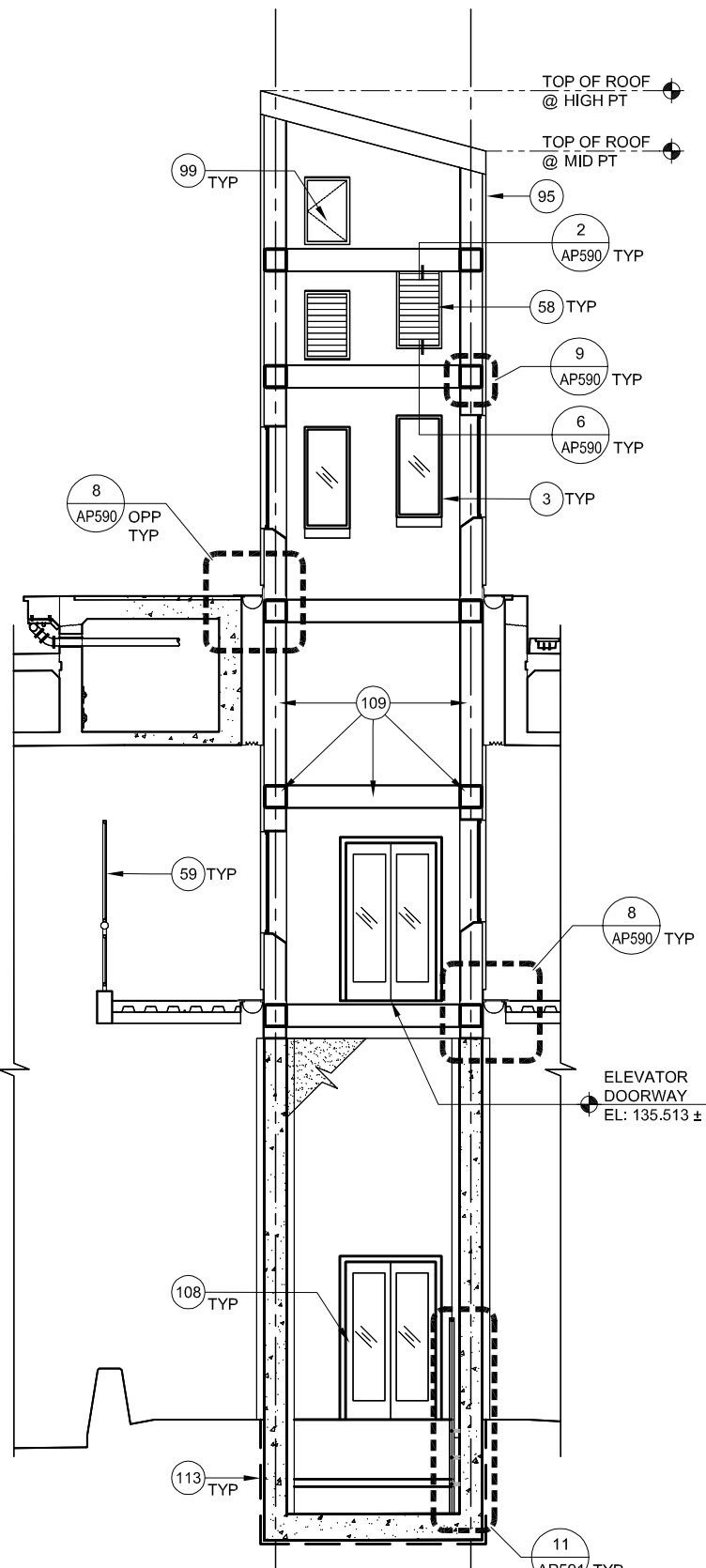
**EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 ELEVATOR #3
 ENLARGED PLANS**

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. AP583 REVISION B



A SECTION
AP584 SCALE: 1/4"=1'-0" AP583



B SECTION
AP584 SCALE: 1/4"=1'-0" AP583

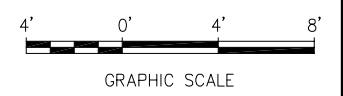
NOTES:

1. SEE 1/AP553 FOR SECTION - PLATFORM ACCESS.
2. REFER TO STRUCTURAL, CIVIL, MECHANICAL, PLUMBING, COMMUNICATIONS, ELECTRICAL, AND ELEVATOR DWGS FOR ADDITIONAL INFORMATION.
3. PAINT ALL EXPOSED STEEL.

KEY NOTES:

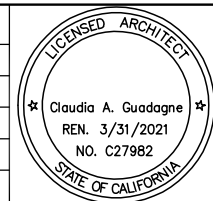
- 2 HSS COLUMN, SSD
- 3 ALUMINUM - FRAMED WINDOW
- 58 LOUVER, SMD
- 59 FENCE SCREEN, 8'-0" HIGH
- 77 CONCRETE WALL, SSD
- 95 METAL WALL PANEL
- 99 ELEVATOR ACCESS PANEL
- 102 METAL ROOF SHINGLES
- 108 ELEVATOR HOISTWAY DOORS
- 109 STEEL FRAME, SSD
- 113 THERMOPLASTIC SHEET WATERPROOFING

SEISMIC JOINT COVER REVISIONS DEFERRED TO 100%. STRUCTURAL COORDINATION WITH MANUFACTURER IS NOT DONE



Dell 530 Jun 21, 2020 - 5:14pm C:\cadfiles\work\scantest\west\mst\801AP584.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED

FMG ARCHITECTS
330 15TH STREET
OAKLAND, CA 94612
510-465-8700 TEL
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DESIGNED: M. Grindulo
CHECKED: C. Guadagne
DRAWN: L. Canlas
CADD FILE NAME: 801AP584.DWG

Santa Clara Valley
Transportation Authority

APPROVED

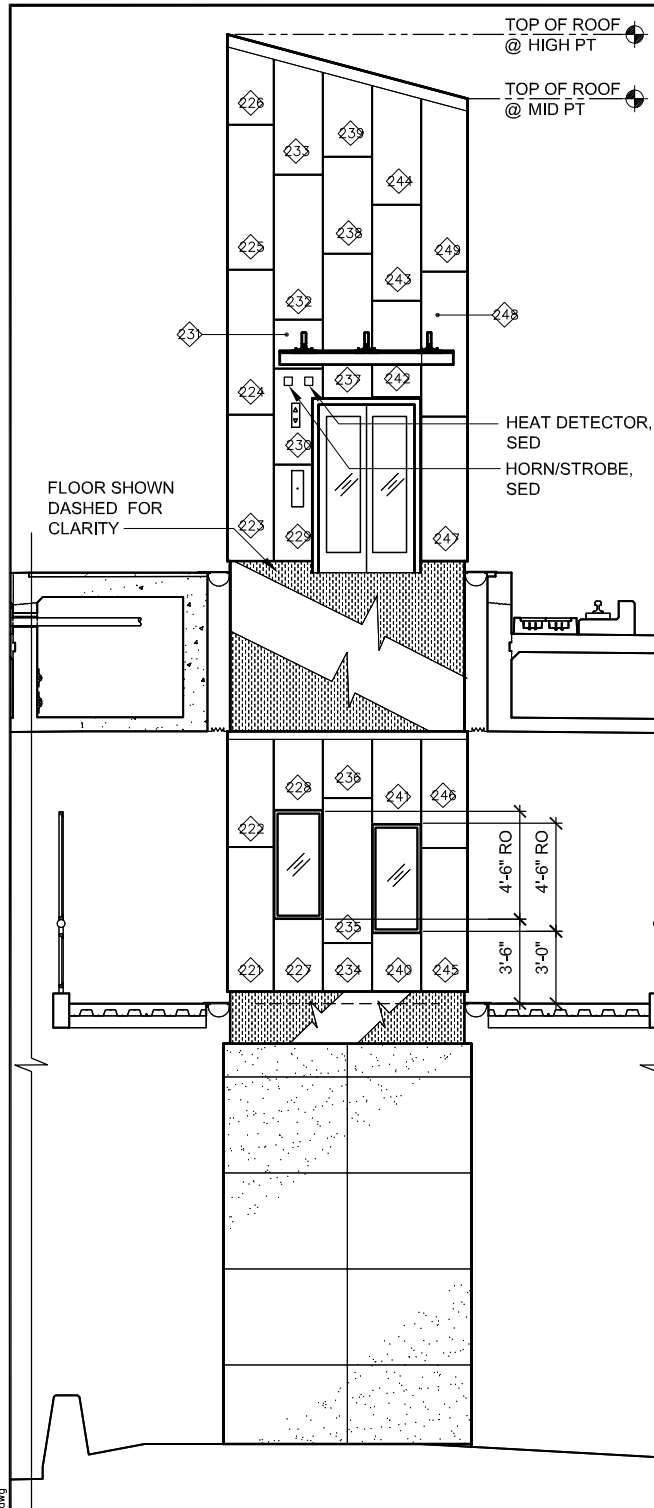
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/21/2020
SUBMITTAL DATE: 06/29/20
SCALE: 1/4"=1'-0"
BOARD APPROVAL DATE:

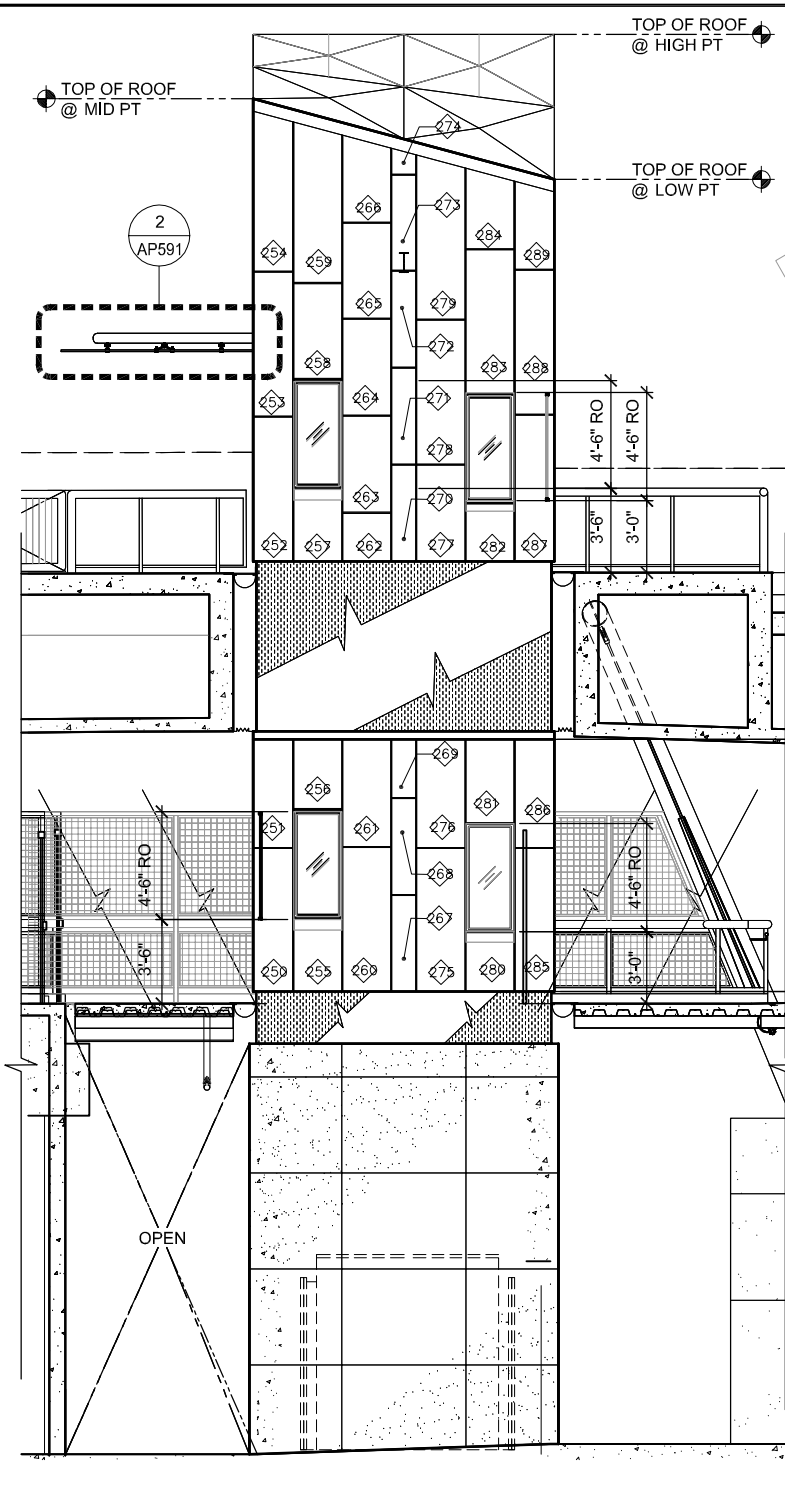
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - STORY STATION
ELEVATOR #3
SECTIONS

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

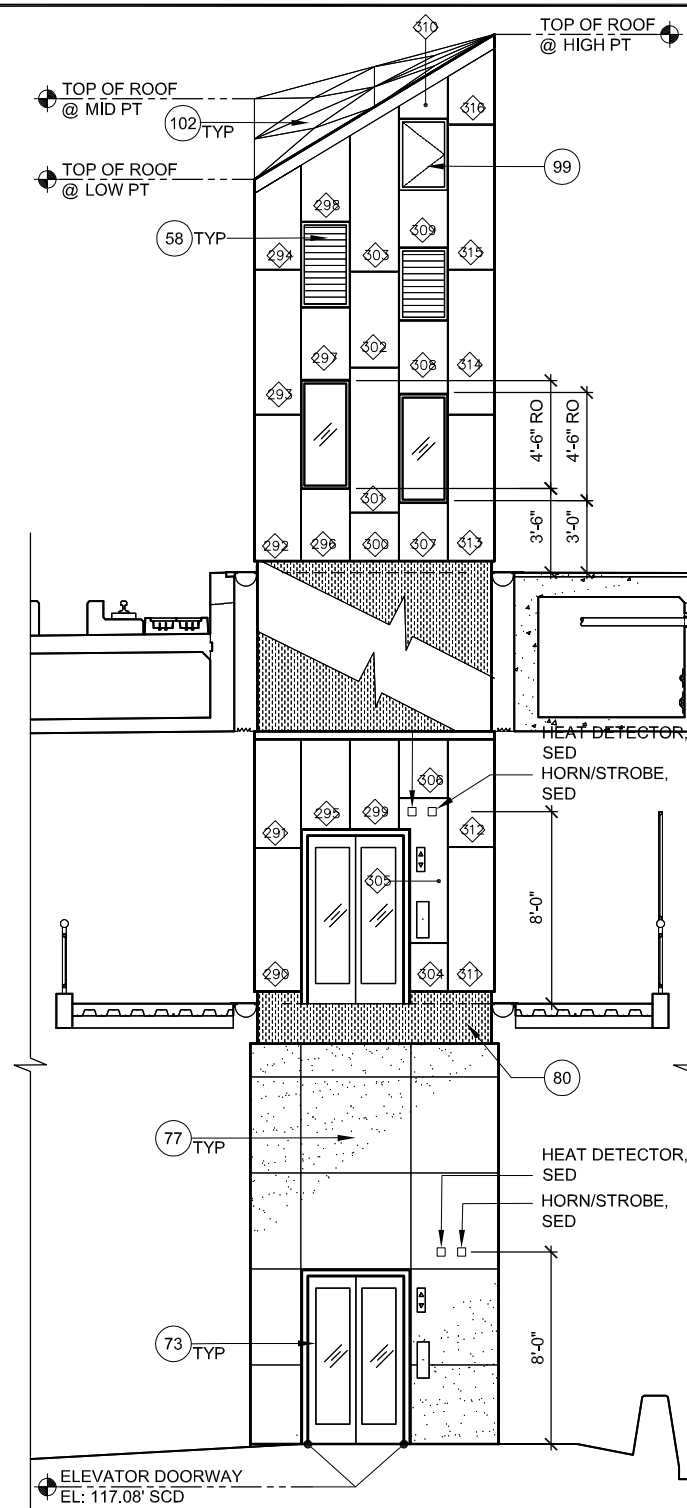
SHEET OF DRAWING NO. AP584 REVISION B



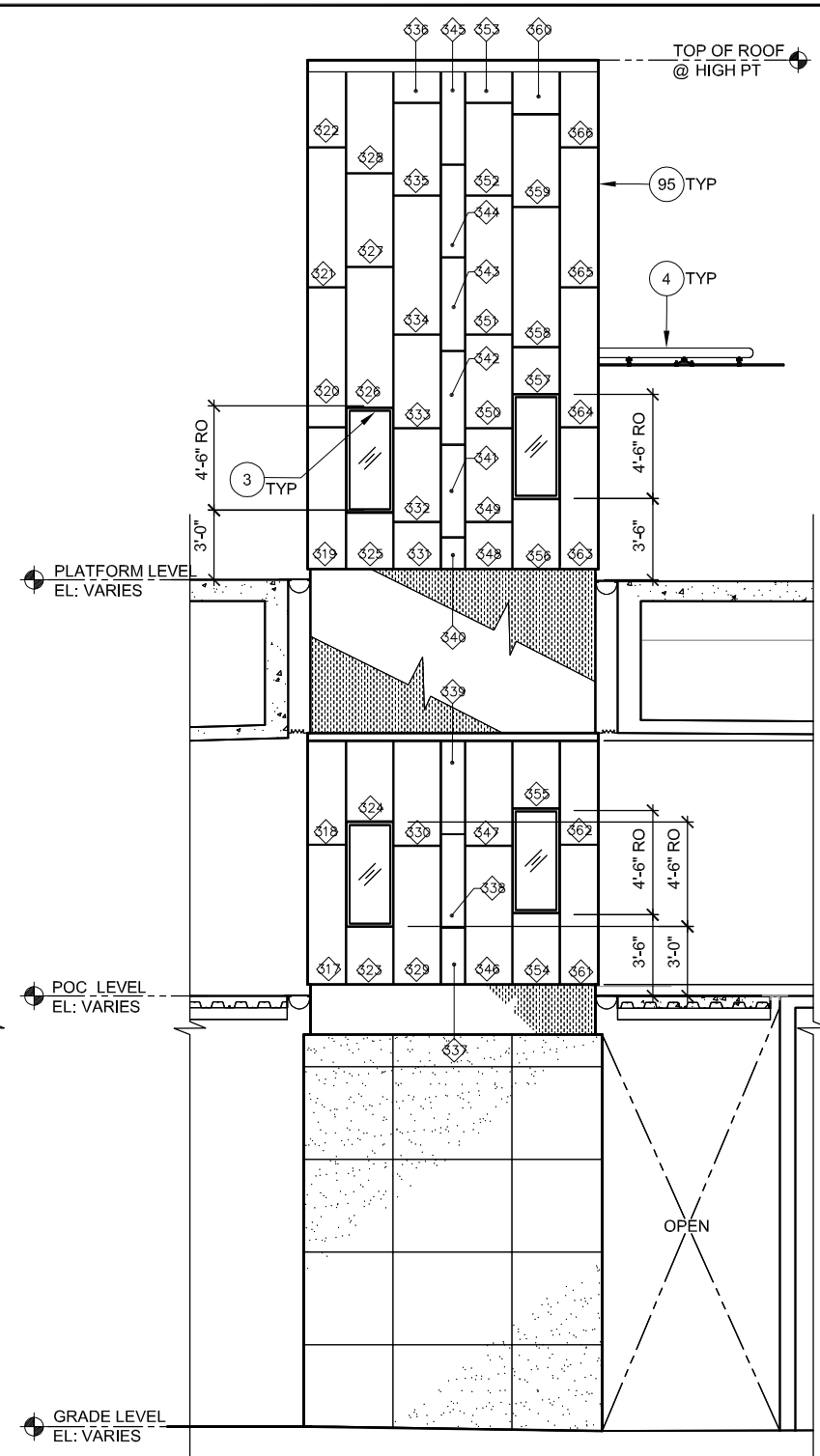
A NORTH ELEVATION AP583
 AP585 SCALE: 1/4"=1'-0"



B WEST ELEVATION AP583
 AP585 SCALE: 1/4"=1'-0"



C SOUTH ELEVATION AP583
 AP585 SCALE: 1/4"=1'-0"



D EAST ELEVATION AP583
 AP585 SCALE: 1/4"=1'-0"

**SEISMIC JOINT COVER REVISIONS DEFERRED TO 100%.
 STRUCTURAL COORDINATION WITH MANUFACTURER
 IS NOT DONE**

NOTES:

- REFER TO STRUCTURAL DWGS FOR ADDITIONAL INFORMATION
- PAINT ALL EXPOSED STEEL

KEY NOTES:

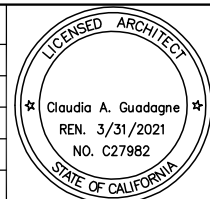
- 3 ALUMINUM - FRAMED WINDOW
- 4 CANOPY
- 58 LOUVER, SMD
- 77 CONCRETE WALL, SSD
- 80 METAL PANELS
- 95 METAL WALL PANEL
- 99 ELEVATOR ACCESS PANEL
- 102 METAL ROOF SHINGLES



GRAPHIC SCALE

Dell 530 Jun 21, 2020 - 5:17pm C:\cadd\bs\l\cantos\west\cadd\58371\801\AP585.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET

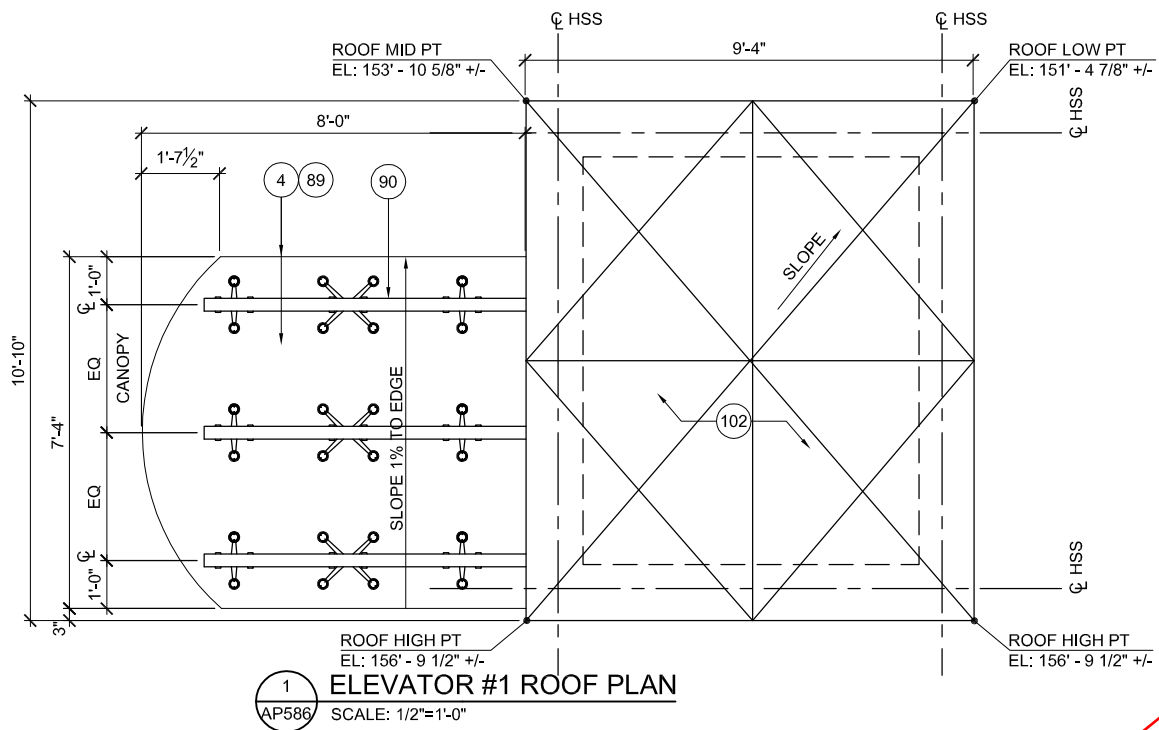


SUBMITTED	
330 15TH STREET OAKLAND, CA 94612 510-465-8700 TEL www.fmgarchitects.com	
DESIGNED	CHECKED
M. Grindulo	C. Guadagne
DRAWN	CADD FILE NAME
M. Grindulo	801AP585.DWG



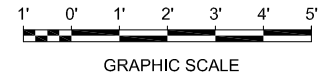
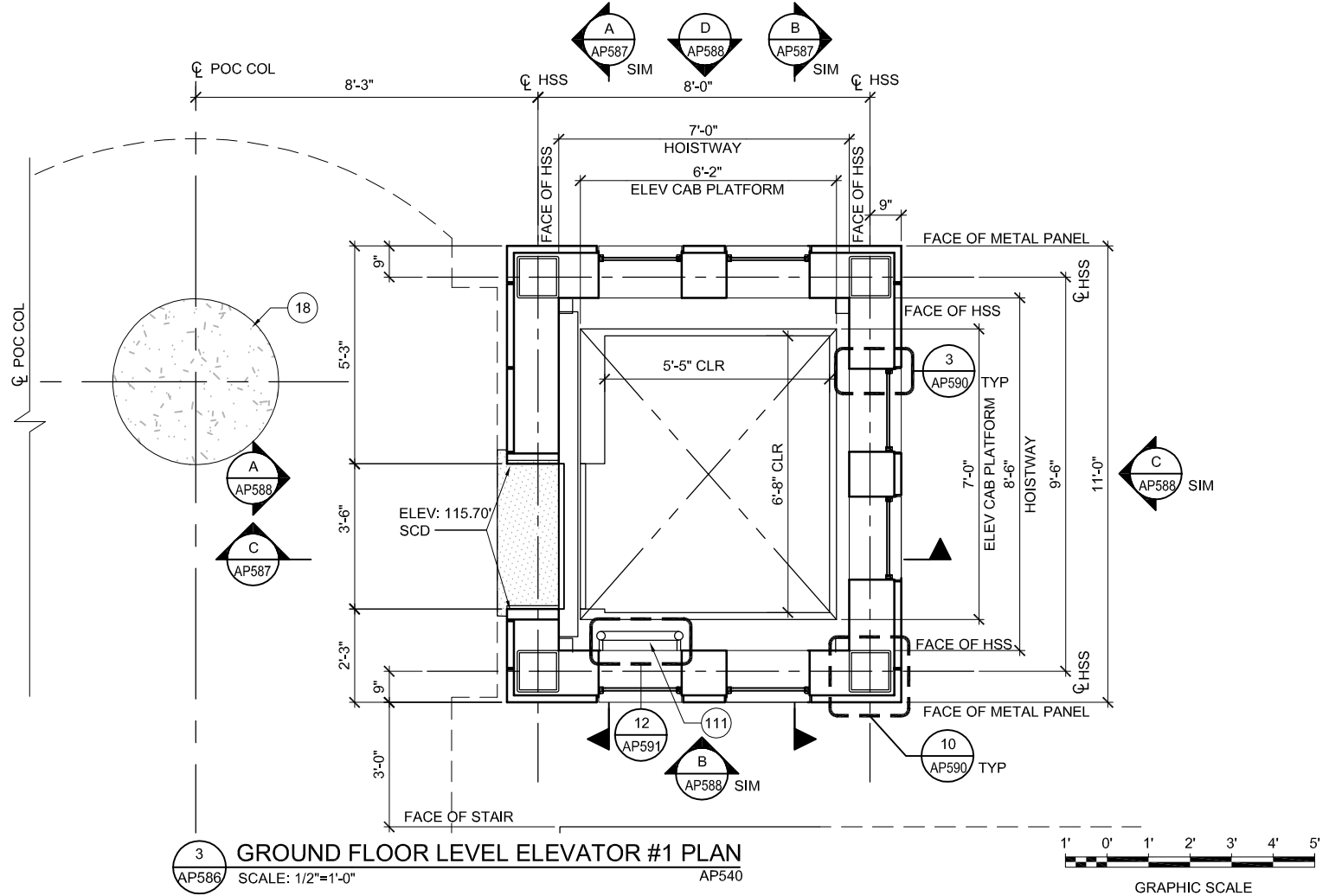
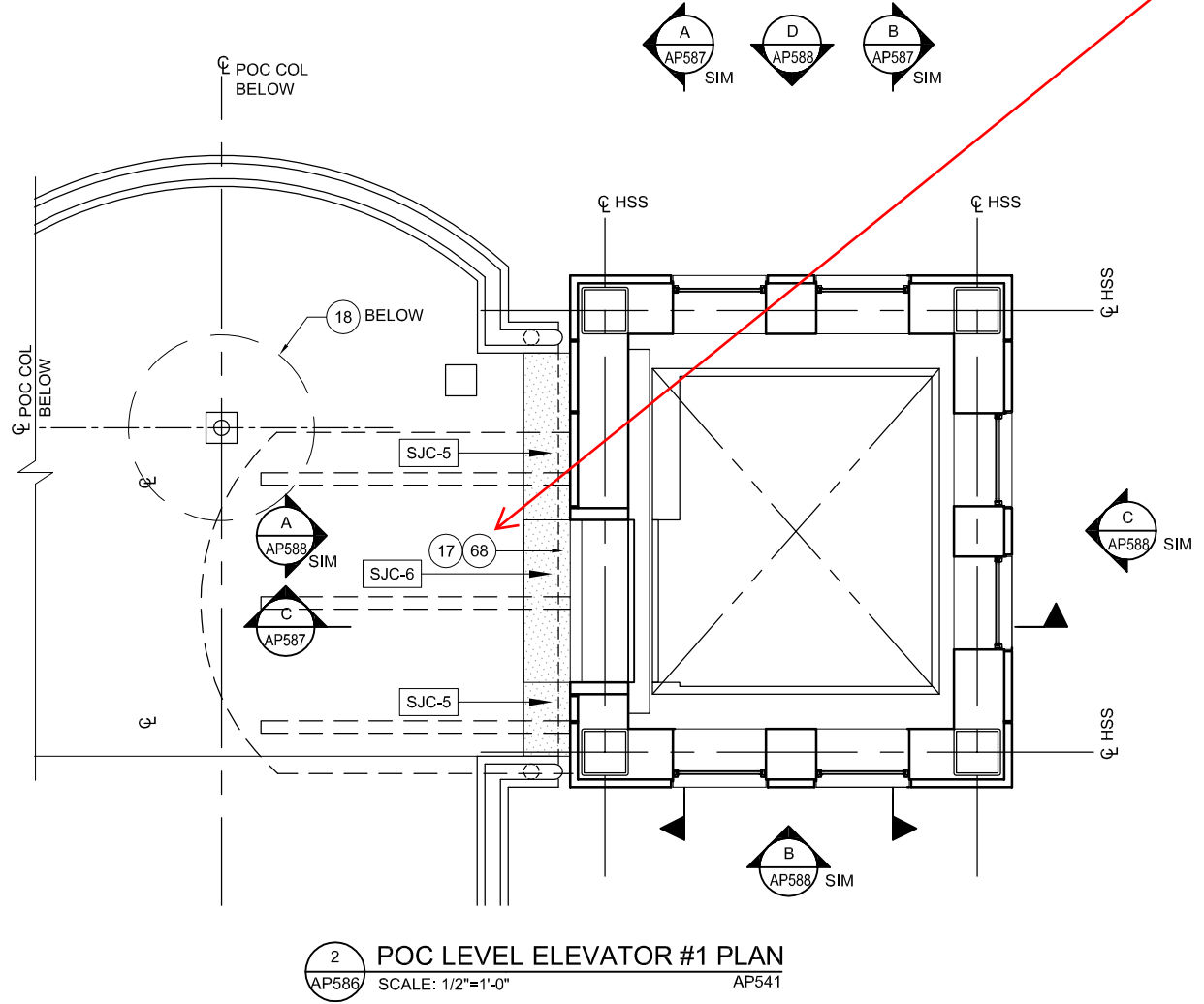
APPROVED	
ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
06/21/2020	1/4"=1'-0"
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR		
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT		
ARCHITECTURAL - STORY STATION		
ELEVATOR #3		
ELEVATIONS		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE
SHEET OF		DRAWING NO.
		AP585
		REVISION
		B



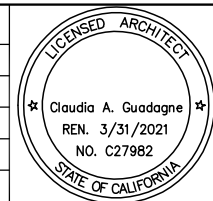
SEISMIC JOINT COVER REVISIONS DEFERRED TO 100%. STRUCTURAL COORDINATION WITH MANUFACTURER IS NOT DONE

- NOTES:**
- REFER TO STRUCTURAL DWGS FOR ADDITIONAL INFORMATION
 - PAINT ALL EXPOSED STEEL
- KEY NOTES:**
- 4 CANOPY
 - 17 SEISMIC JOINT, SSD
 - 18 POC COLUMN, SSD
 - 68 SEISMIC JOINT COVER
 - 89 GLAZING
 - 90 STEEL SUPPORT, SSD
 - 102 METAL ROOF SHINGLES
 - 111 PIT LADDER



Dell 530 Jun 21, 2020 - 5:20pm C:\cadd\8\1\vacant\west\cadd\8371\801AP586.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED		 FMG ARCHITECTS 330 15TH STREET OAKLAND, CA 94612 510-465-8700 TEL www.fmgarchitects.com	
DESIGNED	M. Grindulo	CHECKED	C. Guadagne
DRAWN	M. Grindulo	CADD FILE NAME	801AP586.DWG



APPROVED		 BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	06/21/2020	SCALE	1/2"=1'-0"
SUBMITTAL DATE	06/29/20	BOARD APPROVAL DATE	

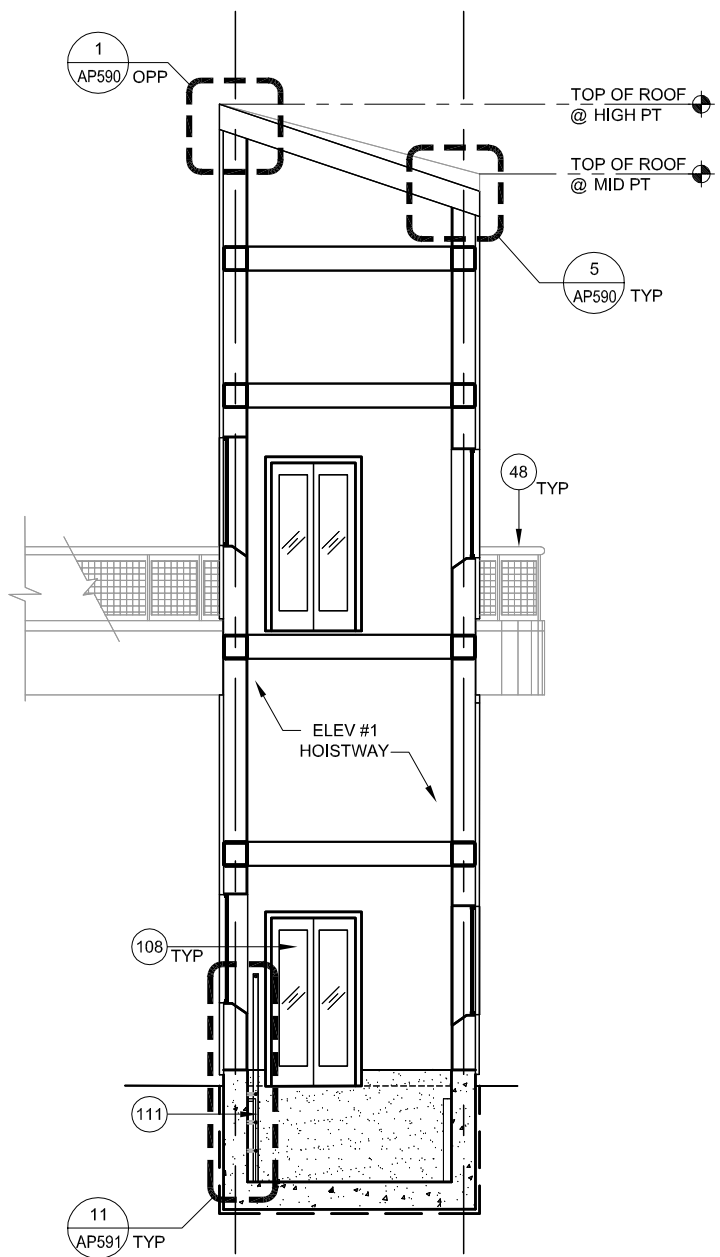
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL - STORY STATION ELEVATOR #1 ENLARGED PLANS			SHEET OF DRAWING NO. AP586 REVISION B
PCA NO.	000	CONTRACT NO.	C801
FILE LOCATION	PROJECTWISE		

NOTES:

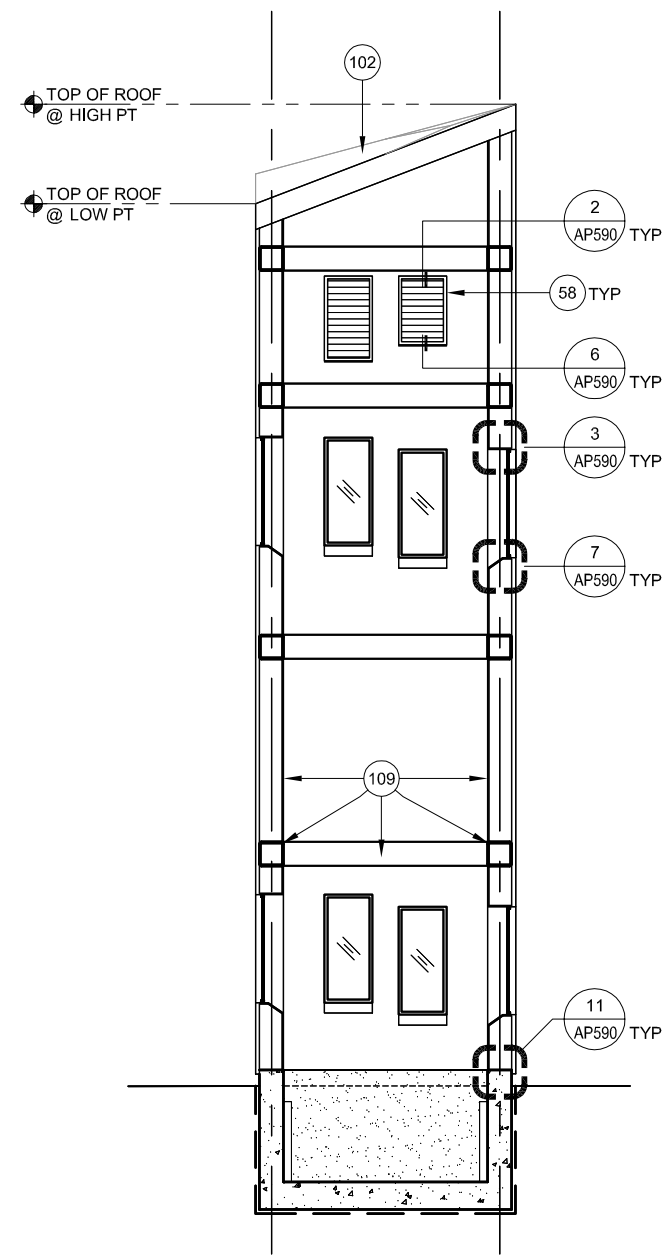
1. REFER TO STRUCTURAL DWGS FOR ADDITIONAL INFORMATION
2. PAINT ALL EXPOSED STEEL

KEY NOTES:

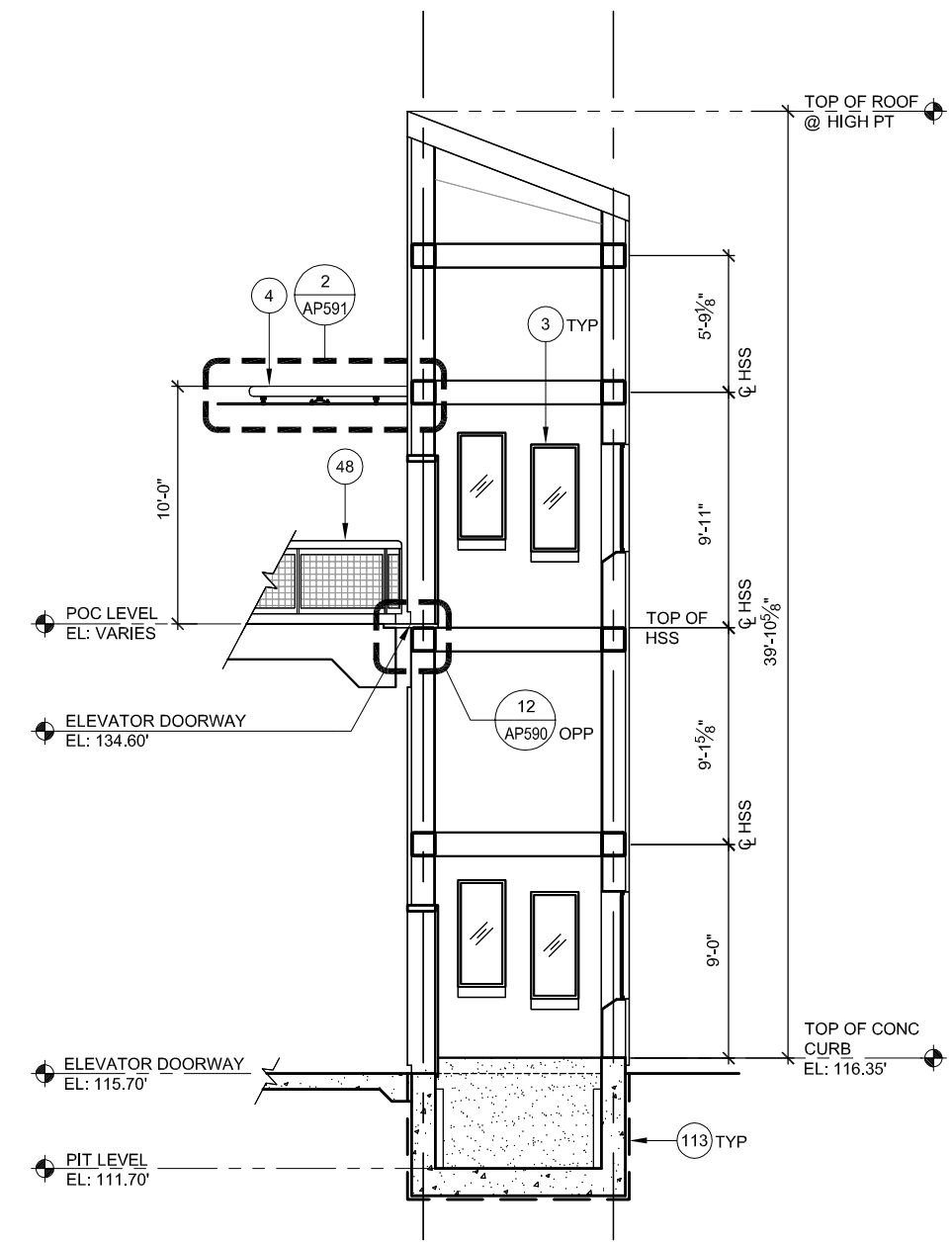
- 3 ALUMINUM - FRAMED WINDOW
- 4 CANOPY
- 48 GUARDRAIL
- 58 LOUVER, SMD
- 102 METAL ROOF SHINGLES
- 108 ELEVATOR HOISTWAY DOORS
- 109 STEEL FRAME, SSD
- 111 PIT LADDER
- 113 THERMOPLASTIC SHEET WATERPROOFING



A SECTION
AP587 SCALE: 1/4"=1'-0" AP586



B SECTION
AP587 SCALE: 1/4"=1'-0" AP586

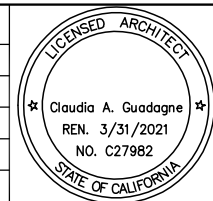


C SECTION
AP587 SCALE: 1/4"=1'-0" AP586



Dell 530 Jun 21, 2020 - 5:22pm C:\cadd\lib\lpa\scantia\west\lpa\8371\801AP587.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET

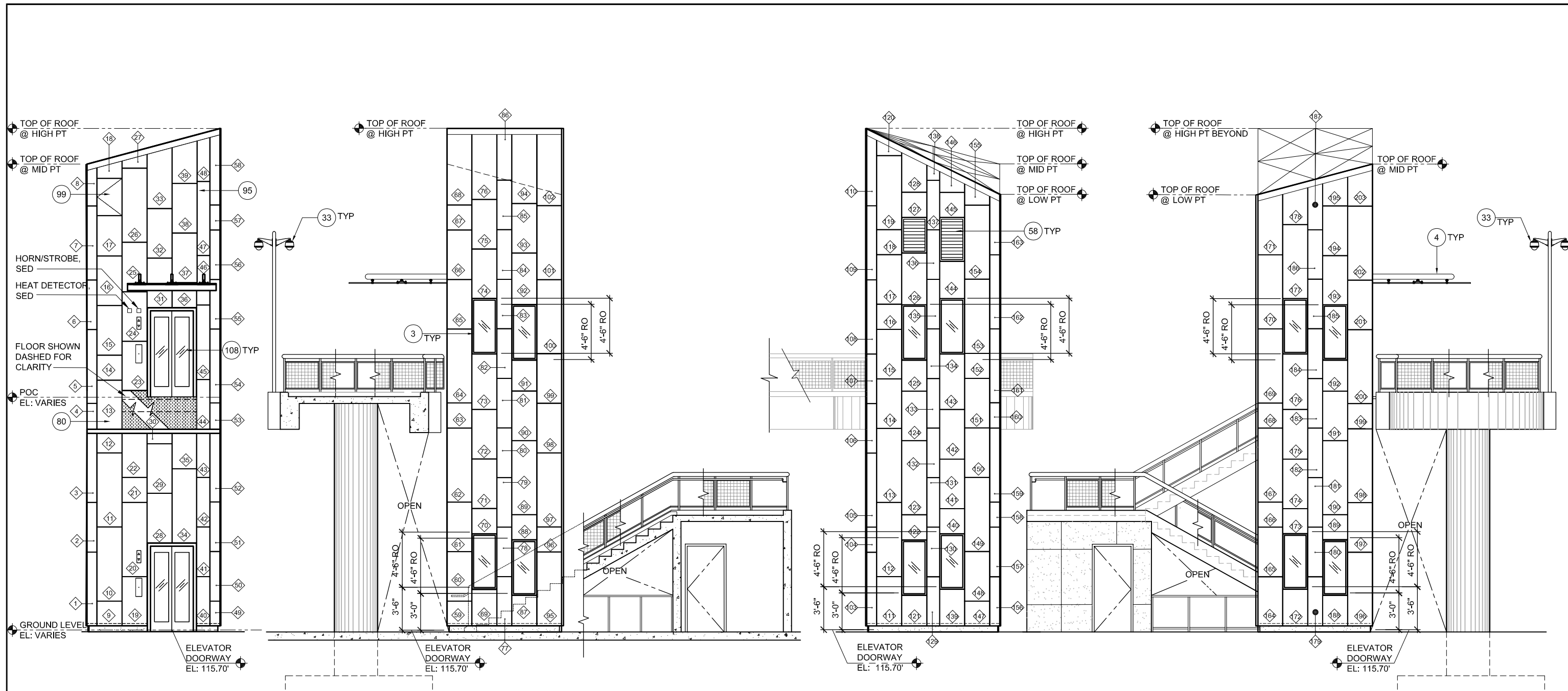


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DESIGNED	M. Grindulo	CHECKED	C. GUADAGNE
DRAWN	L. Canlas	CADD FILE NAME	801AP587.DWG



APPROVED		 ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	06/21/2020	SCALE	1/4" = 1'-0"
SUBMITTAL DATE	06/29/20	BOARD APPROVAL DATE	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL - STORY STATION ELEVATOR # 1 SECTIONS			SHEET OF DRAWING NO. AP587 REVISION A
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	



A NORTH ELEVATION
AP588 SCALE: 1/4"=1'-0" AP586

B WEST ELEVATION
AP588 SCALE: 1/4"=1'-0" AP542 AP586

C SOUTH ELEVATION
AP588 SCALE: 1/4"=1'-0" AP586

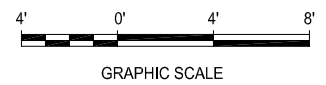
D EAST ELEVATION
AP588 SCALE: 1/4"=1'-0" AP586

NOTES:

- REFER TO STRUCTURAL DWGS FOR ADDITIONAL INFORMATION
- PAINT ALL EXPOSED STEEL

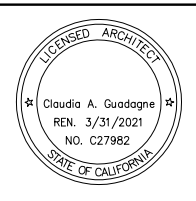
KEY NOTES:

- 3 ALUMINUM - FRAMED WINDOW
- 4 CANOPY
- 33 CAMERA, SCMD
- 58 LOUVER, SMD
- 80 METAL PANELS
- 95 METAL WALL PANEL
- 99 ELEVATOR ACCESS PANEL
- 108 ELEVATOR HOISTWAY DOORS



E:\Bueno Jun 23, 2020 - 7:23am C:\cadd\B\B\m\kubano\west\omas8371\801AP588.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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DESIGNED: M. Grindulo
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DRAWN: M. Grindulo
CADD FILE NAME: 801AP588.DWG

Santa Clara Valley Transportation Authority

APPROVED

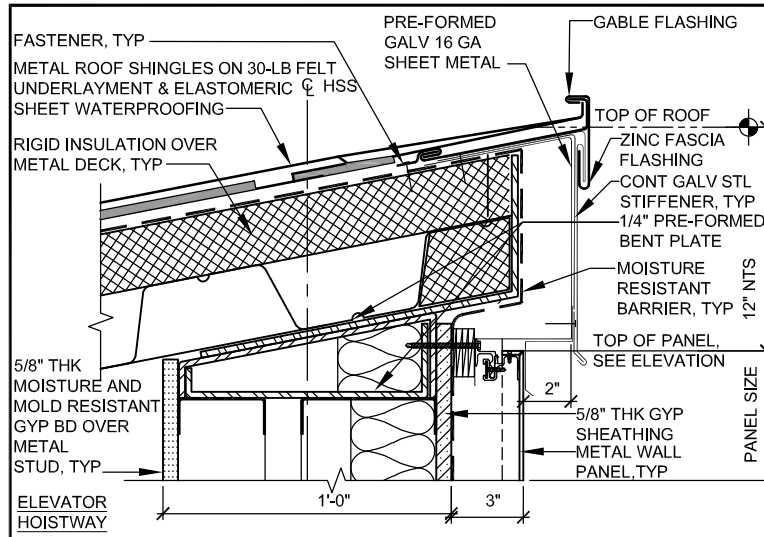
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/20/2020
SCALE: 1/4"=1'-0"
SUBMITTAL DATE: 06/29/2020
BOARD APPROVAL DATE:

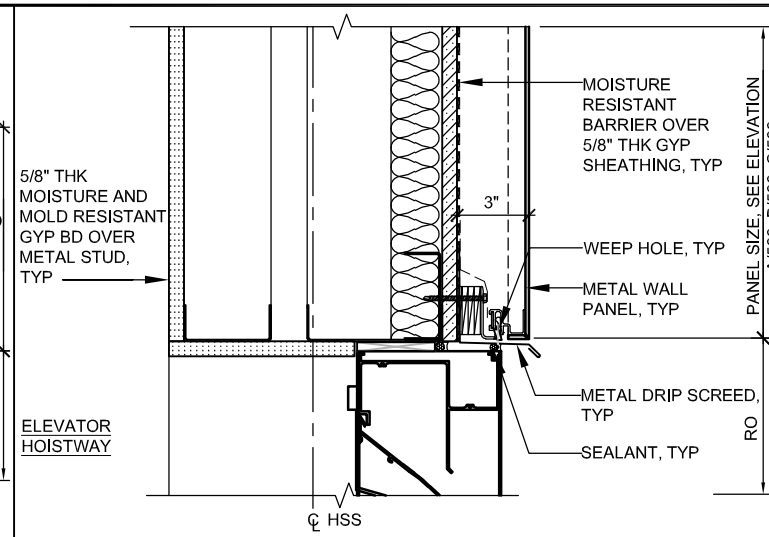
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - STORY STATION
ELEVATOR #1
ELEVATIONS

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

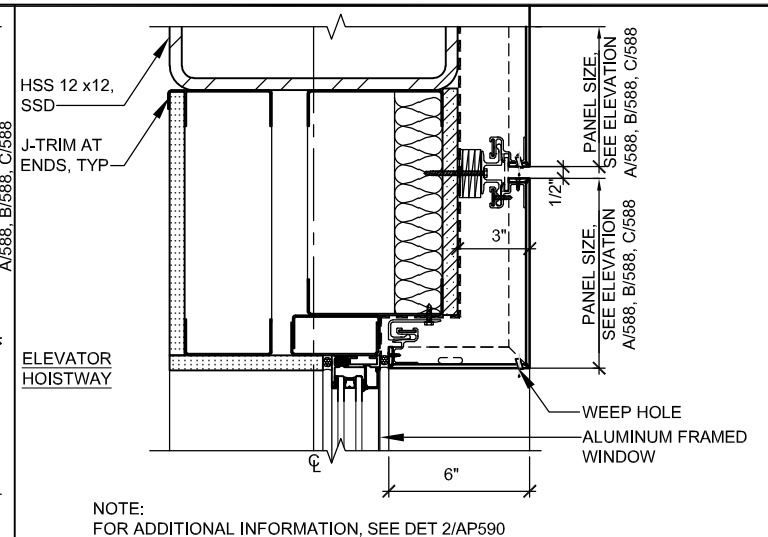
SHEET OF DRAWING NO. AP588 REVISION B



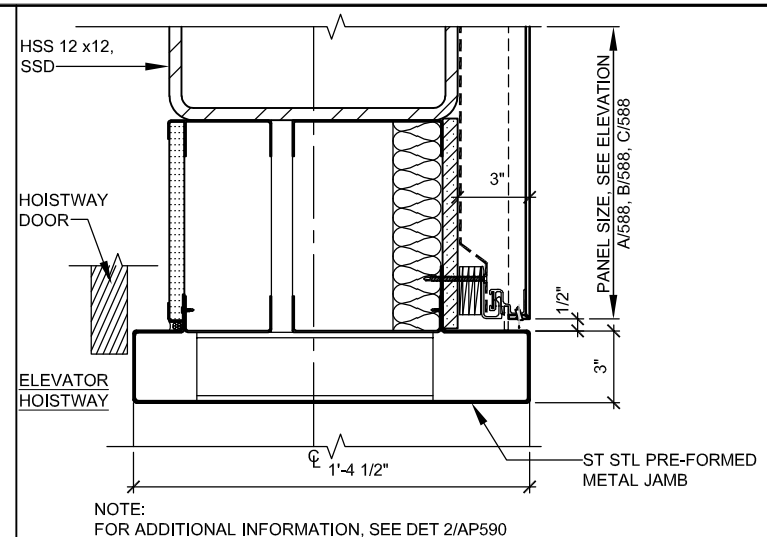
1 GABLE ROOF AP553 AP584 AP581 AP587
SCALE: 3"=1'-0"



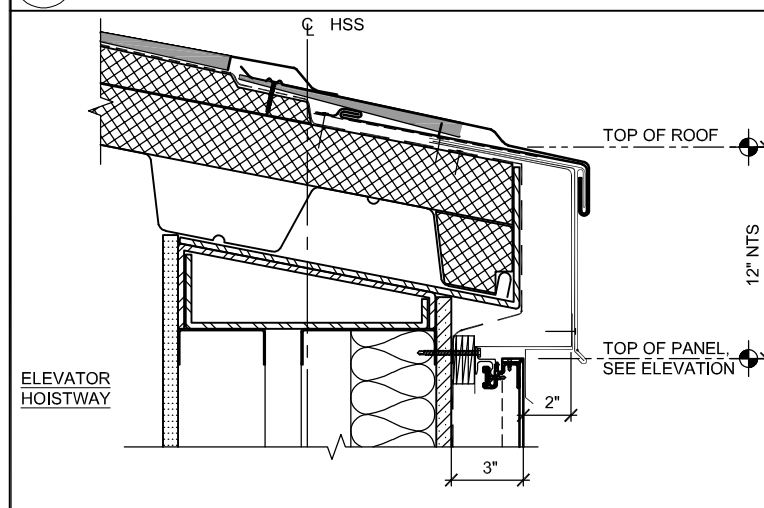
2 LOUVER - HEAD / JAMB SIMILAR AP581 AP584 AP587
SCALE: 3"=1'-0"



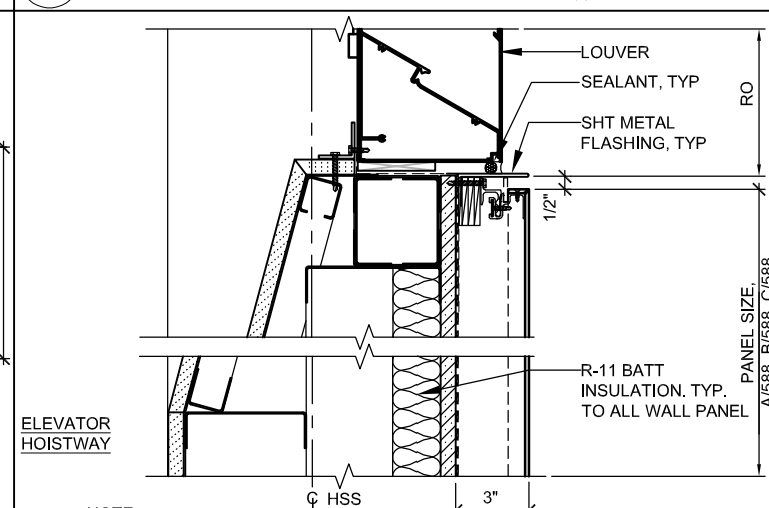
3 WINDOW FRAME - HEAD / JAMB SIMILAR AP553 AP583 AP580 AP584 AP581 AP587
SCALE: 3"=1'-0"



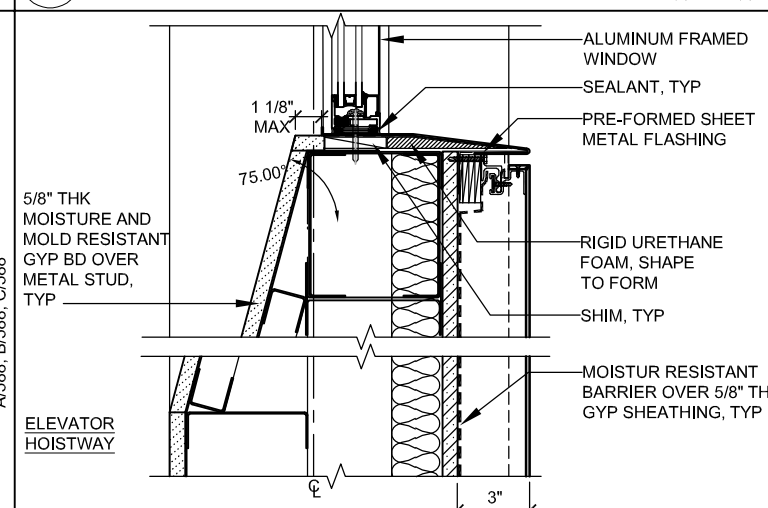
4 HOISTWAY DOOR HEAD / JAMB SIMILAR AP580
SCALE: 3"=1'-0"



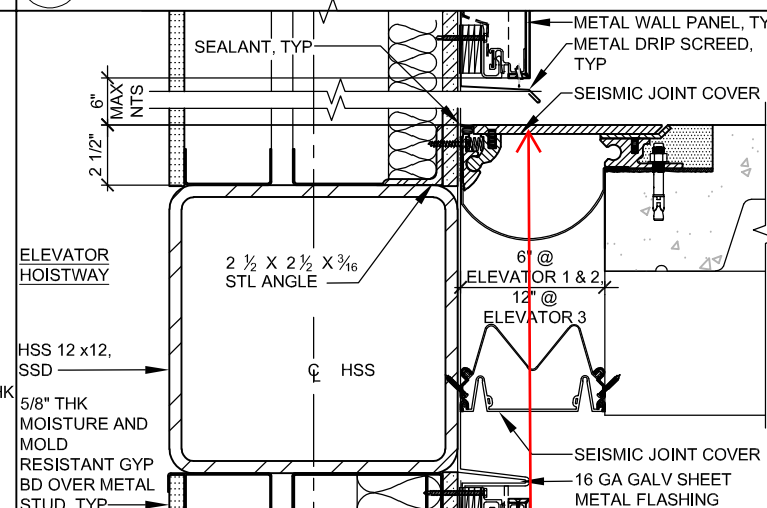
5 FASCIA AP553 AP584 AP581 AP587
SCALE: 3"=1'-0"



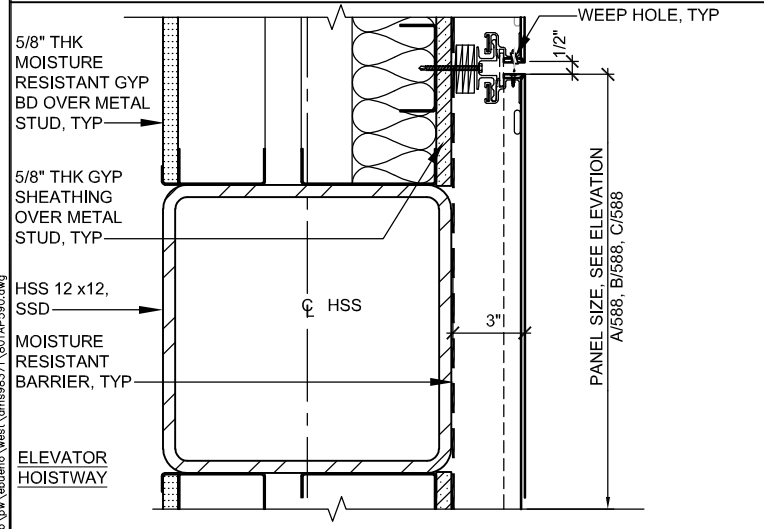
6 LOUVER - SILL AP581 AP584 AP587
SCALE: 3"=1'-0"



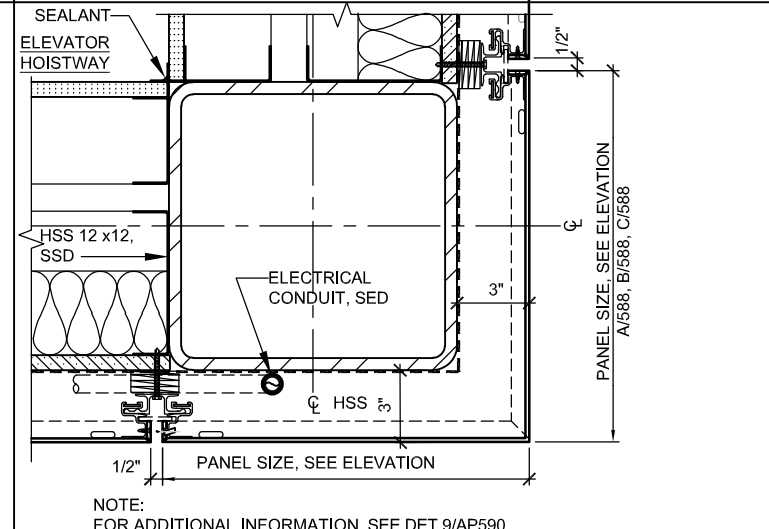
7 WINDOW FRAME - SILL AP553 AP581 AP584 AP587
SCALE: 3"=1'-0"



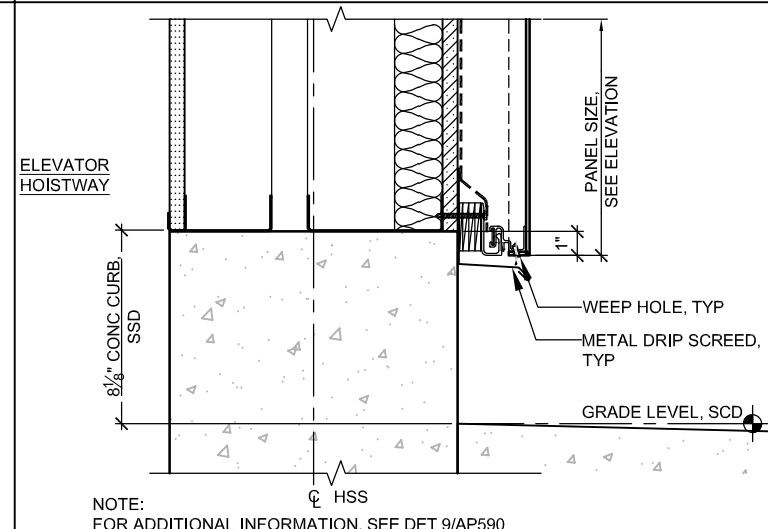
8 SEISMIC JOINT - THRESHOLD AP553 AP584
SCALE: 3"=1'-0" SJC-4, SJC5



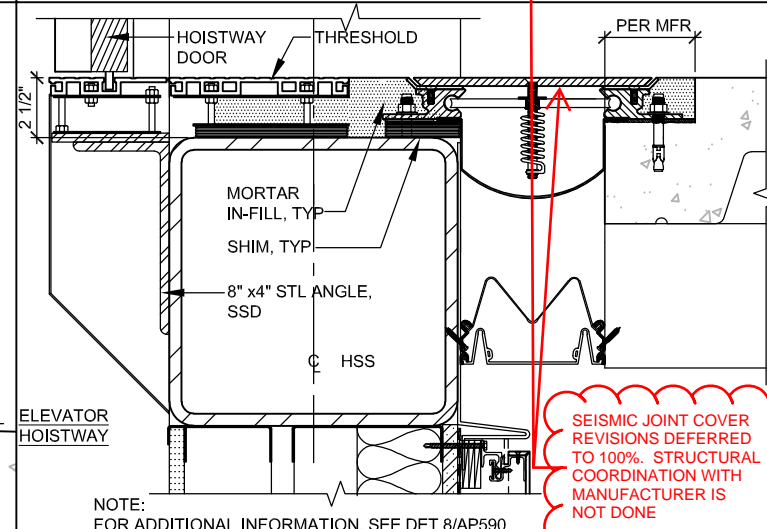
9 PANEL HORIZONTAL JOINT AP581 AP584
SCALE: 3"=1'-0"



10 PANEL - PLAN @ CORNER AP580 AP583
SCALE: 3"=1'-0"



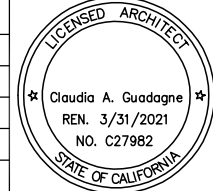
11 ALUMINUM PANEL - BASE AP581 AP587
SCALE: 3"=1'-0"



12 SEISMIC JOINT - THRESHOLD AP553 AP581 AP587
SCALE: 3"=1'-0" SJC-3, SJC-6

SEISMIC JOINT COVER REVISIONS DEFERRED TO 100%. STRUCTURAL COORDINATION WITH MANUFACTURER IS NOT DONE

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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CADD FILE NAME: 801AP590.DWG

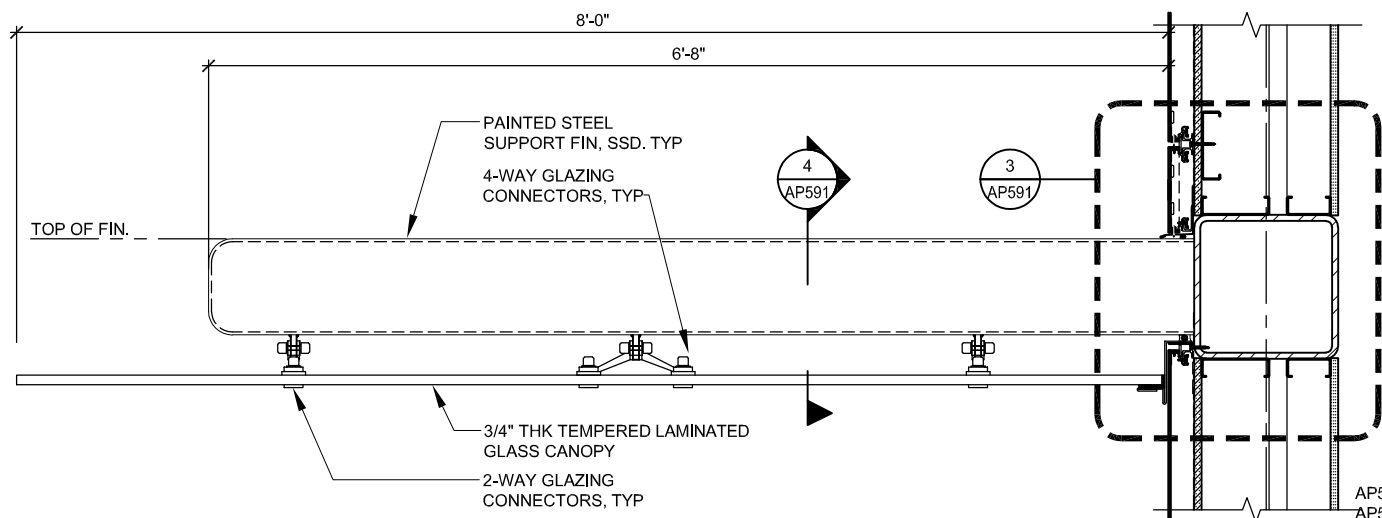
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CADD FILE DATE: 05/15/2020
SCALE: 3"=1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

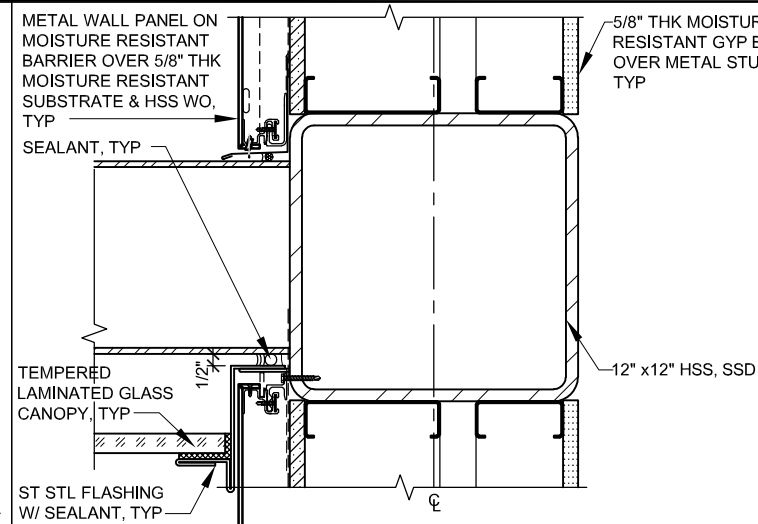
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - STORY STATION
ACCESS STRUCTURES
ELEVATOR HOISTWAY DETAILS

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

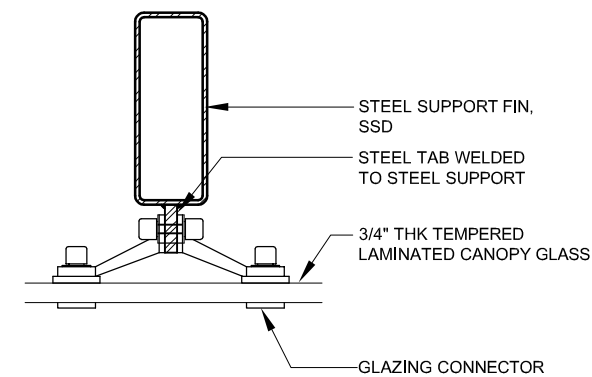
SHEET OF
DRAWING NO. AP590
REVISION B



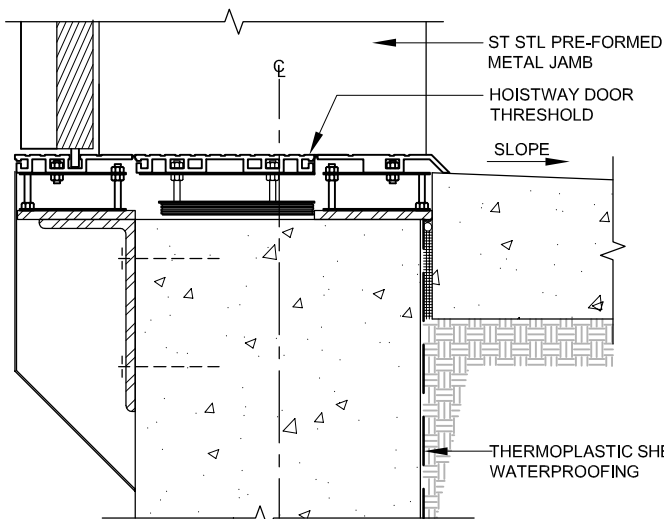
2 ELEVATOR #1, 2 & #3 CANOPY SECTION
 AP591 SCALE: 1 1/2"=1'-0"



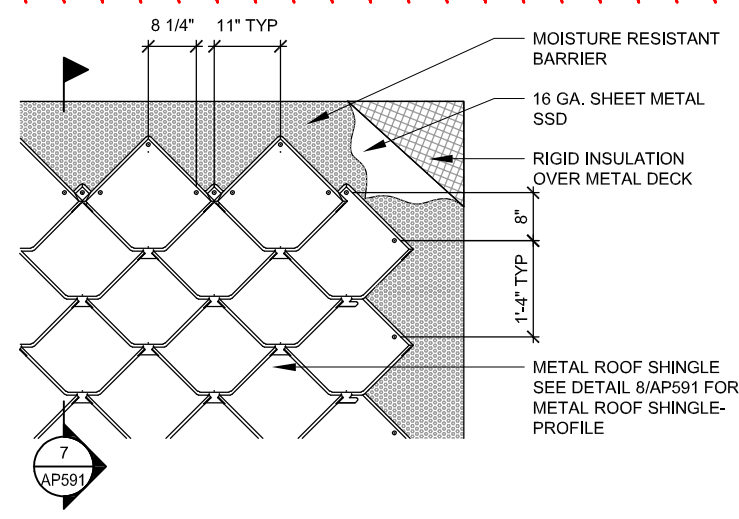
3 CANOPY GLASS CONNECTION
 AP591 SCALE: 3"=1'-0"



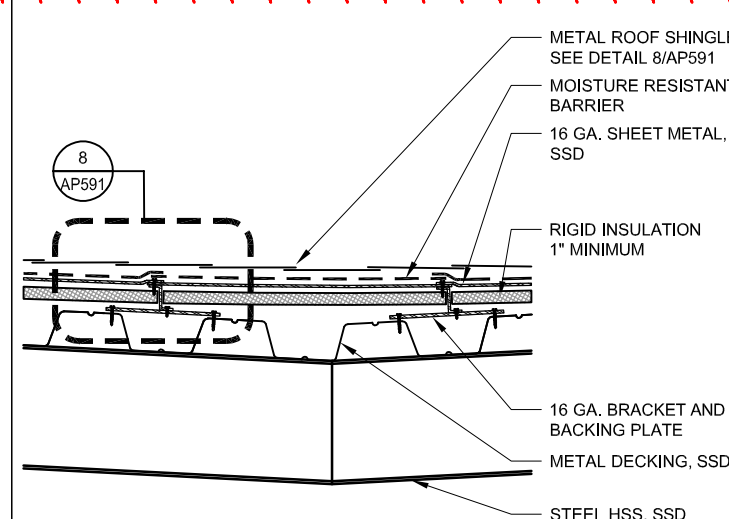
4 CANOPY GLASS CONNECTION
 AP591 SCALE: 3"=1'-0"



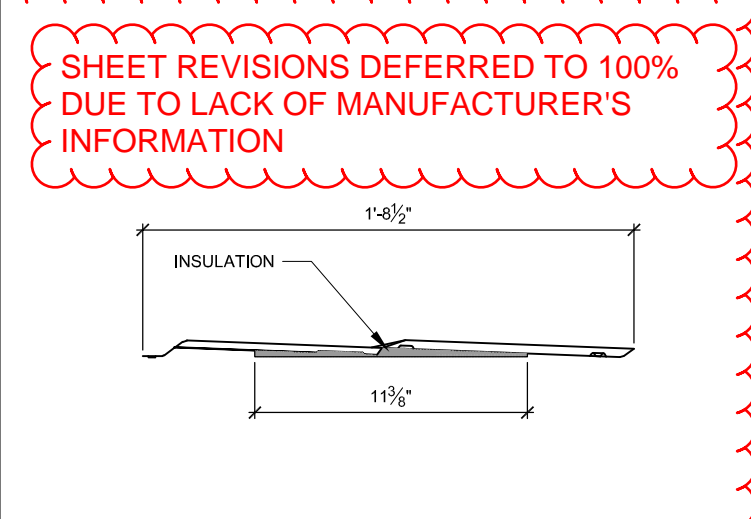
5 ELEVATOR THRESHOLD
 AP591 SCALE: 3"=1'-0" AP553



6 METAL ROOF SHINGLE ASSEMBLY- PLAN
 AP591 SCALE: NTS



7 METAL ROOF SHINGLE ASSEMBLY- SECTION
 AP591 SCALE: 1/2"=1'-0"

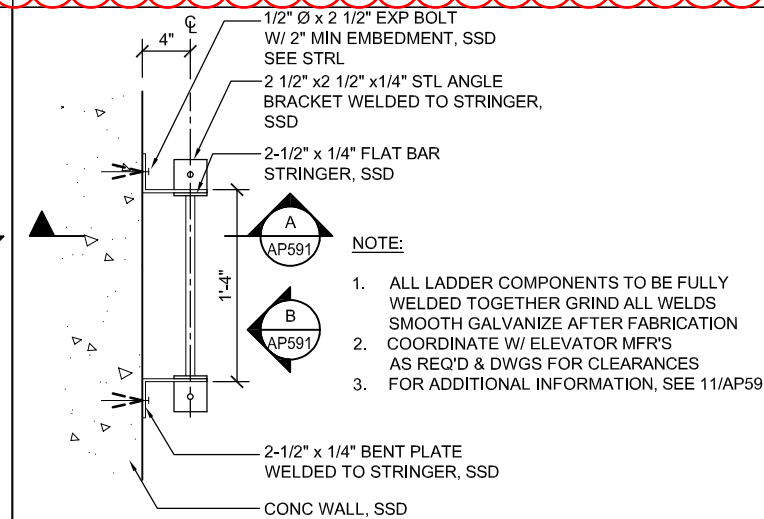


8 METAL ROOF SHINGLE - PROFILE
 AP591 SCALE: 3"=1'-0"

SHEET REVISIONS DEFERRED TO 100% DUE TO LACK OF MANUFACTURER'S INFORMATION



11 PIT LADDER SECTION/ELEVATION
 AP591 SCALE: 1/2"=1'-0" AP587 AP589

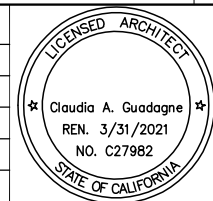


12 PIT LADDER PLAN
 AP591 SCALE: 1"=1'-0" AP580 AP583

- NOTE:**
1. ALL LADDER COMPONENTS TO BE FULLY WELDED TOGETHER GRIND ALL WELDS SMOOTH GALVANIZE AFTER FABRICATION
 2. COORDINATE W/ ELEVATOR MFR'S AS REQ'D & DWGS FOR CLEARANCES
 3. FOR ADDITIONAL INFORMATION, SEE 11/AP591

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



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 CHECKED: C. Guadagne
 DRAWN: M. Grindulo
 CADD FILE NAME: 801AP591.DWG

Santa Clara Valley Transportation Authority

APPROVED

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CADD FILE DATE: 03/30/2020
 SUBMITTAL DATE: 06/29/20
 SCALE: AS NOTED
 BOARD APPROVAL DATE:

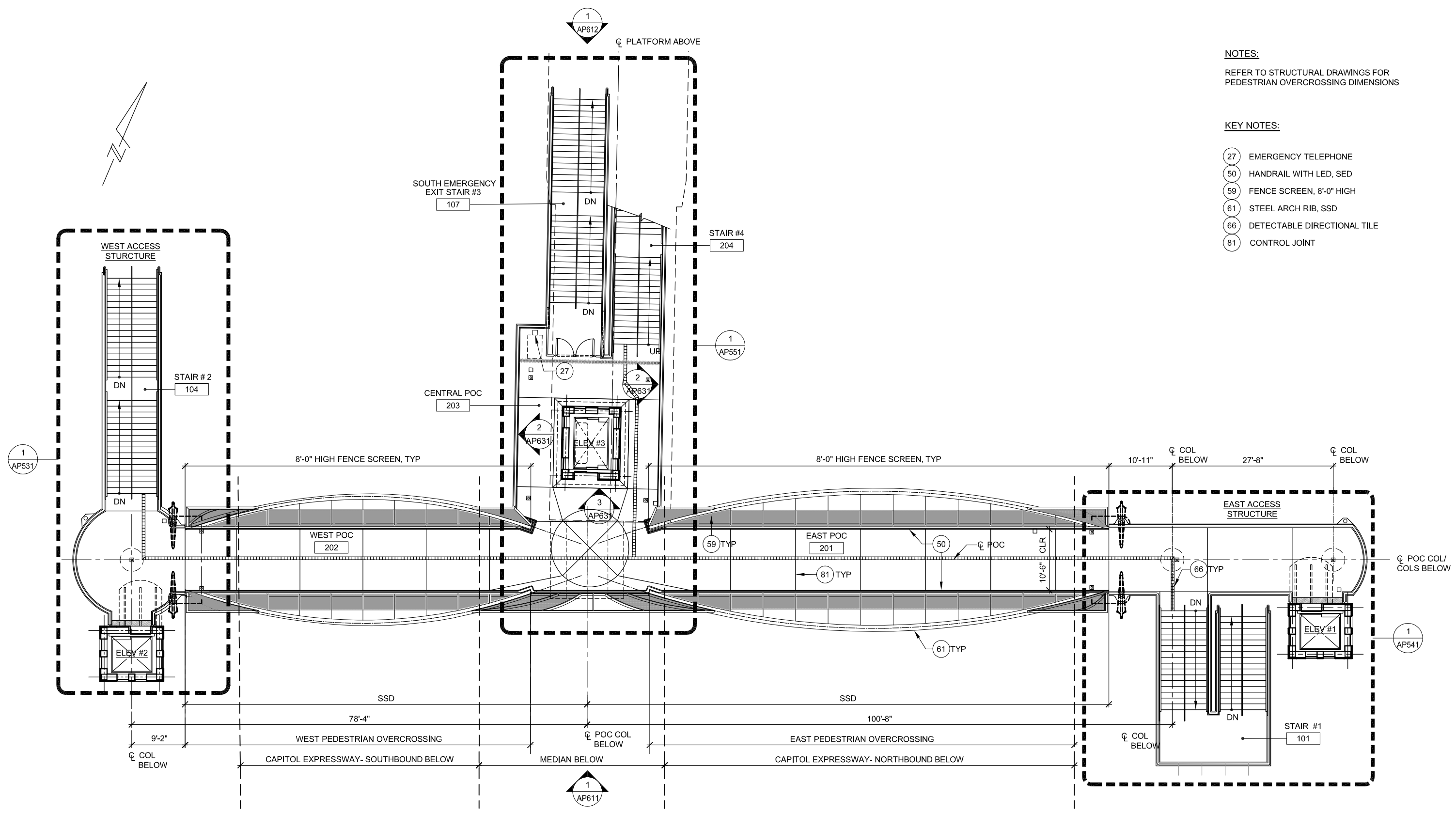
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 ACCESS STRUCTURES
 ELEVATOR MISC DETAILS

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

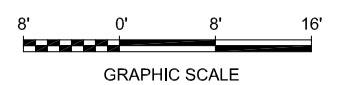
SHEET OF DRAWING NO. AP591 REVISION A

NOTES:
REFER TO STRUCTURAL DRAWINGS FOR PEDESTRIAN OVERCROSSING DIMENSIONS

- KEY NOTES:**
- 27 EMERGENCY TELEPHONE
 - 50 HANDRAIL WITH LED, SED
 - 59 FENCE SCREEN, 8'-0" HIGH
 - 61 STEEL ARCH RIB, SSD
 - 66 DETECTABLE DIRECTIONAL TILE
 - 81 CONTROL JOINT

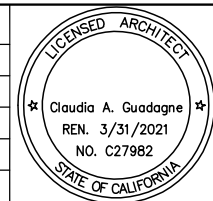


1 PEDESTRIAN OVERCROSSING PLAN AP501
SCALE: 1/8"=1'-0"



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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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DESIGNED: M. Grindulo
CHECKED: C. Guadagne
DRAWN: L. Canlas
CADD FILE NAME: 801AP610.DWG

Santa Clara Valley
Transportation
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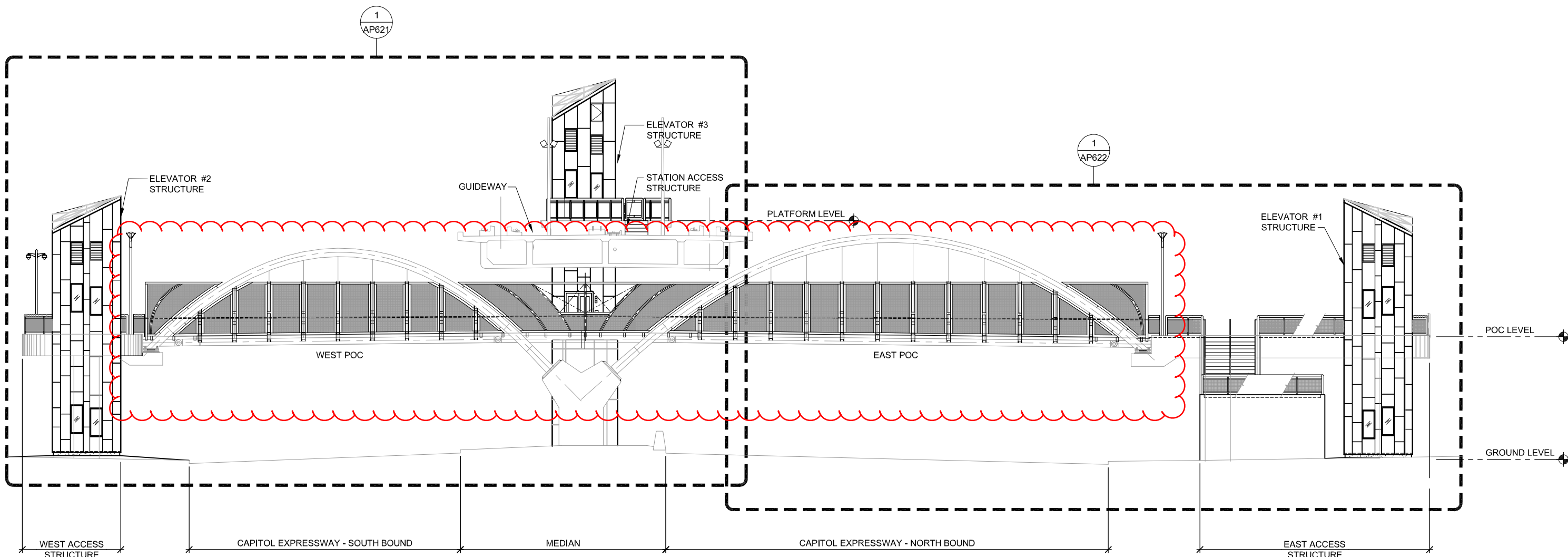
CADD FILE DATE: 05/15/2020
SCALE: 1/8"=1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - STORY STATION
PEDESTRIAN OVERCROSSING
PLAN

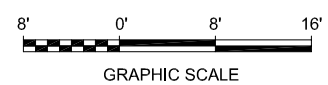
PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET	OF
DRAWING NO.	AP610
REVISION	C

SHEET REVISIONS DEFERRED TO 100% -
 STRUCTURAL COORDINATION OF FENCE
 SCREEN IS NOT DONE

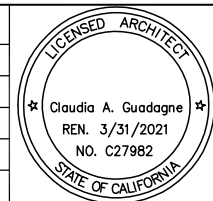


1 POC SOUTH ELEVATION AP610
 AP611 SCALE: 1/8"=1'-0"



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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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 CADD FILE NAME: 801AP611.DWG

Santa Clara Valley Transportation Authority

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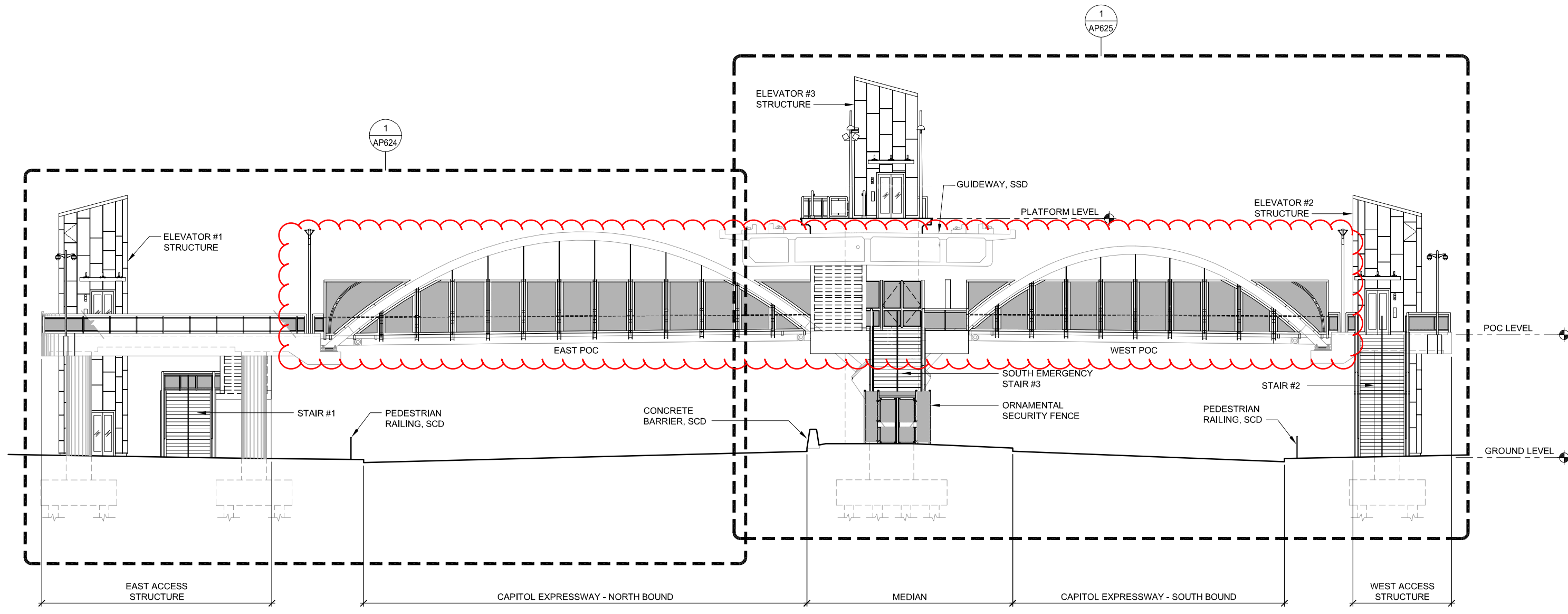
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 SUBMITTAL DATE: 06/29/20
 SCALE: 1/8"=1'-0"
 BOARD APPROVAL DATE:

**EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 PEDESTRIAN OVERCROSSING
 SOUTH ELEVATION**

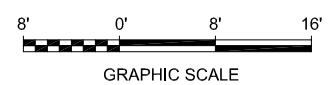
PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF	AP611
DRAWING NO.	AP611
REVISION	B

SHEET REVISIONS DEFERRED TO 100% -
STRUCTURAL COORDINATION OF FENCE
SCREEN IS NOT DONE

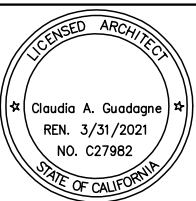


1
POC NORTH ELEVATION
AP612 SCALE: 1/8"=1'-0" AP610



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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	11/18	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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 DRAWN: L. Canlas
 CADD FILE NAME: 801AP612.DWG



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CADD FILE DATE: 06/22/2020
 SCALE: 1/8"=1'-0"
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

**EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 PEDESTRIAN OVERCROSSING
 NORTH ELEVATION**

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. AP612 REVISION C

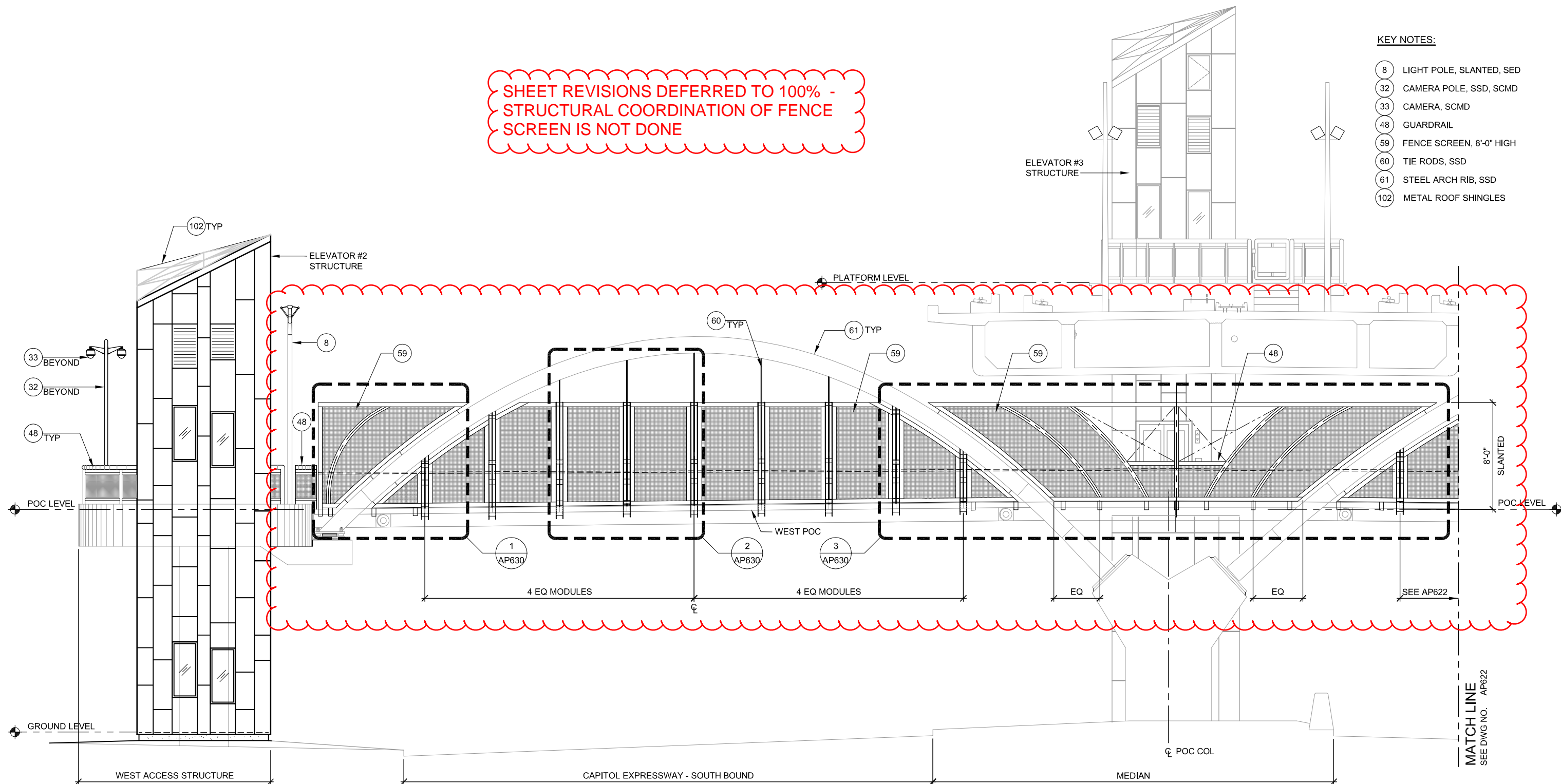
NOTE:

1. REFER TO STRUCTURAL DWGS FOR ADDITIONAL INFORMATION
2. PAINT ALL EXPOSED STEEL

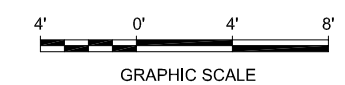
KEY NOTES:

- 8 LIGHT POLE, SLANTED, SED
- 32 CAMERA POLE, SSD, SCMD
- 33 CAMERA, SCMD
- 48 GUARDRAIL
- 59 FENCE SCREEN, 8'-0" HIGH
- 60 TIE RODS, SSD
- 61 STEEL ARCH RIB, SSD
- 102 METAL ROOF SHINGLES

SHEET REVISIONS DEFERRED TO 100% -
STRUCTURAL COORDINATION OF FENCE
SCREEN IS NOT DONE

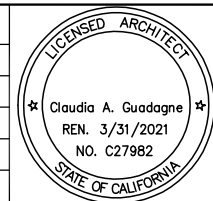


1 WEST POC PARTIAL SOUTH ELEVATION 1 AP611
AP621 SCALE: 1/4"=1'-0"



Dell 530 Jun 20, 2020 - 2:22pm C:\oadrdb\pna\conctes\west\umrs98371\801AP621.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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DRAWN: L. Canlas

CHECKED: C. Guadagne
CADD FILE NAME: 801AP621.DWG

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CADD FILE DATE: 06/20/2020
SUBMITTAL DATE: 06/29/20

SCALE: 1/4"=1'-0"
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - STORY STATION
WEST PEDESTRIAN OVERCROSSING
PARTIAL SOUTH ELEVATION 1

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

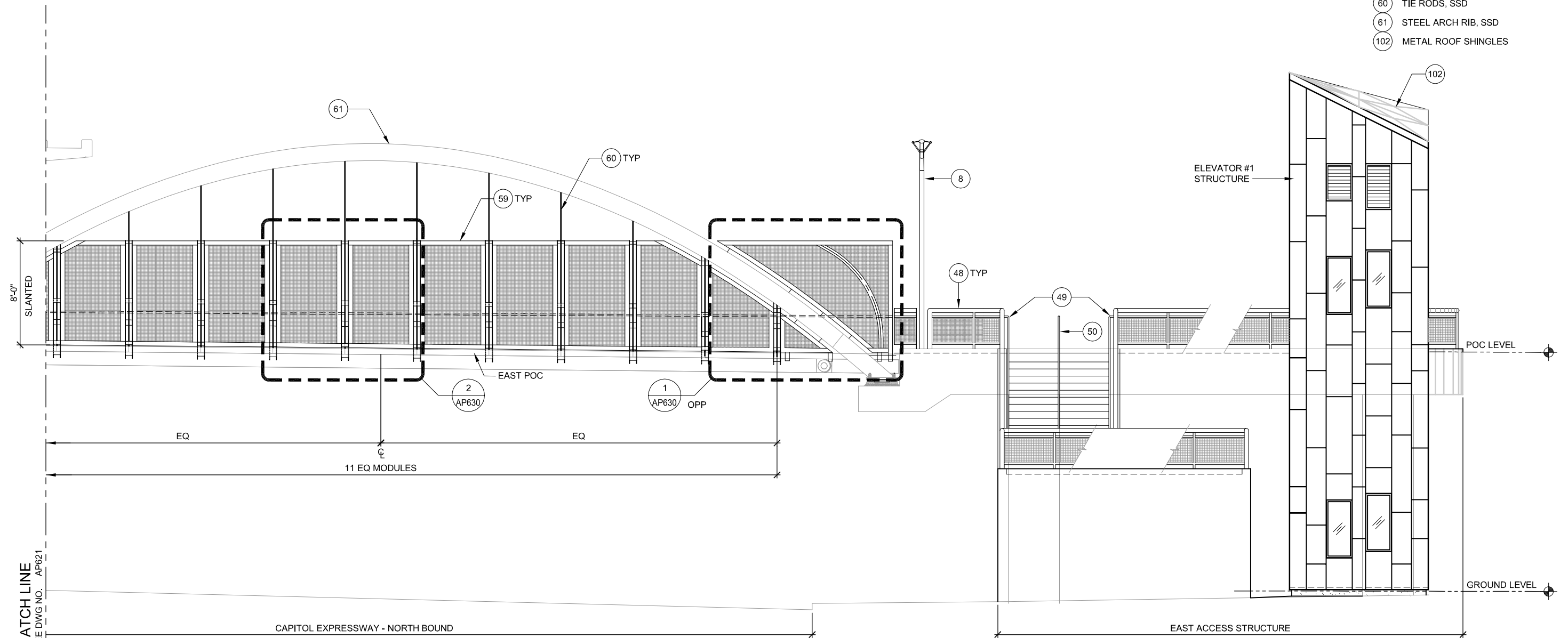
SHEET OF DRAWING NO. AP621 REVISION C

NOTE:

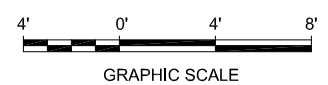
1. REFER TO STRUCTURAL DWGS FOR ADDITIONAL INFORMATION
2. PAINT ALL EXPOSED STEEL

KEY NOTES:

- 8 LIGHT POLE, SLANTED, SED
- 48 GUARDRAIL
- 49 HANDRAIL
- 50 HANDRAIL WITH LED, SED
- 59 FENCE SCREEN, 8'-0" HIGH
- 60 TIE RODS, SSD
- 61 STEEL ARCH RIB, SSD
- 102 METAL ROOF SHINGLES

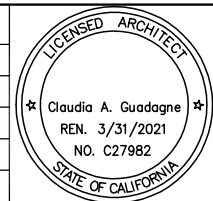


1 EAST POC PARTIAL SOUTH ELEVATION 2 AP611
 AP621 SCALE: 1/4"=1'-0"



Dell 530 Jun 26, 2020 12:15pm C:\cadd\h\w\com\ca\west\dm\8371\801AP622.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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 CHECKED: C. Guadagne
 DRAWN: L. Canlas
 CADD FILE NAME: 801AP622.DWG



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 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/26/2020
 SCALE: 1/4"=1'-0"
 SUBMITTAL DATE: 06/29/2020
 BOARD APPROVAL DATE:

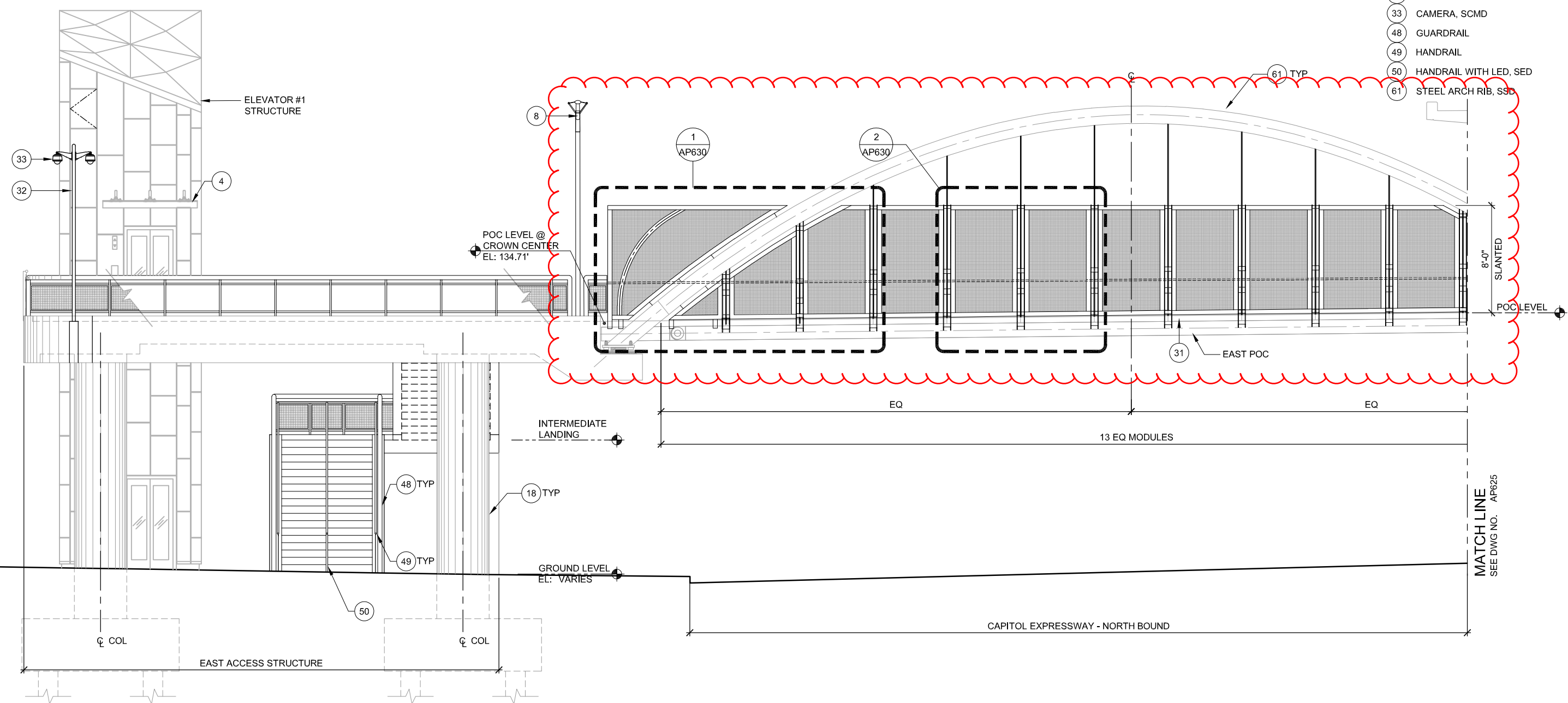
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 WEST PEDESTRIAN OVERCROSSING
 PARTIAL SOUTH ELEVATION 2

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

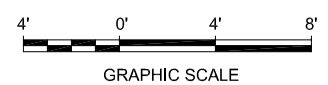
SHEET OF	AP622
DRAWING NO.	AP622
REVISION	B

SHEET REVISIONS DEFERRED TO 100% -
STRUCTURAL COORDINATION OF FENCE
SCREEN IS NOT DONE

- NOTES:**
1. REFER TO STRUCTURAL DWGS FOR ADDITIONAL INFORMATION
 2. PAINT ALL EXPOSED STEEL
- KEY NOTES:**
- 4 CANOPY
 - 8 LIGHT POLE, SLANTED, SED
 - 18 POC COLUMN, SSD
 - 31 PEDESTRIAN OVERCROSSING, SSD
 - 32 CAMERA POLE, SSD AND SCMD
 - 33 CAMERA, SCMD
 - 48 GUARDRAIL
 - 49 HANDRAIL
 - 50 HANDRAIL WITH LED, SED
 - 61 STEEL ARCH RIB, SSD

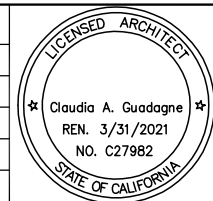


1 EAST POC PARTIAL NORTH ELEVATION 1 AP612
AP624 SCALE: 1/4"=1'-0"



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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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DESIGNED: M. Grindulo
CHECKED: C. Guadagne
DRAWN: L. Canlas
CADD FILE NAME: 801AP624.DWG

Santa Clara Valley
Transportation Authority

APPROVED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/22/2020
SCALE: 1/4"=1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - STORY STATION
EAST PEDESTRIAN OVERCROSSING
PARTIAL NORTH ELEVATION 1

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF	AP624
DRAWING NO.	AP624
REVISION	C

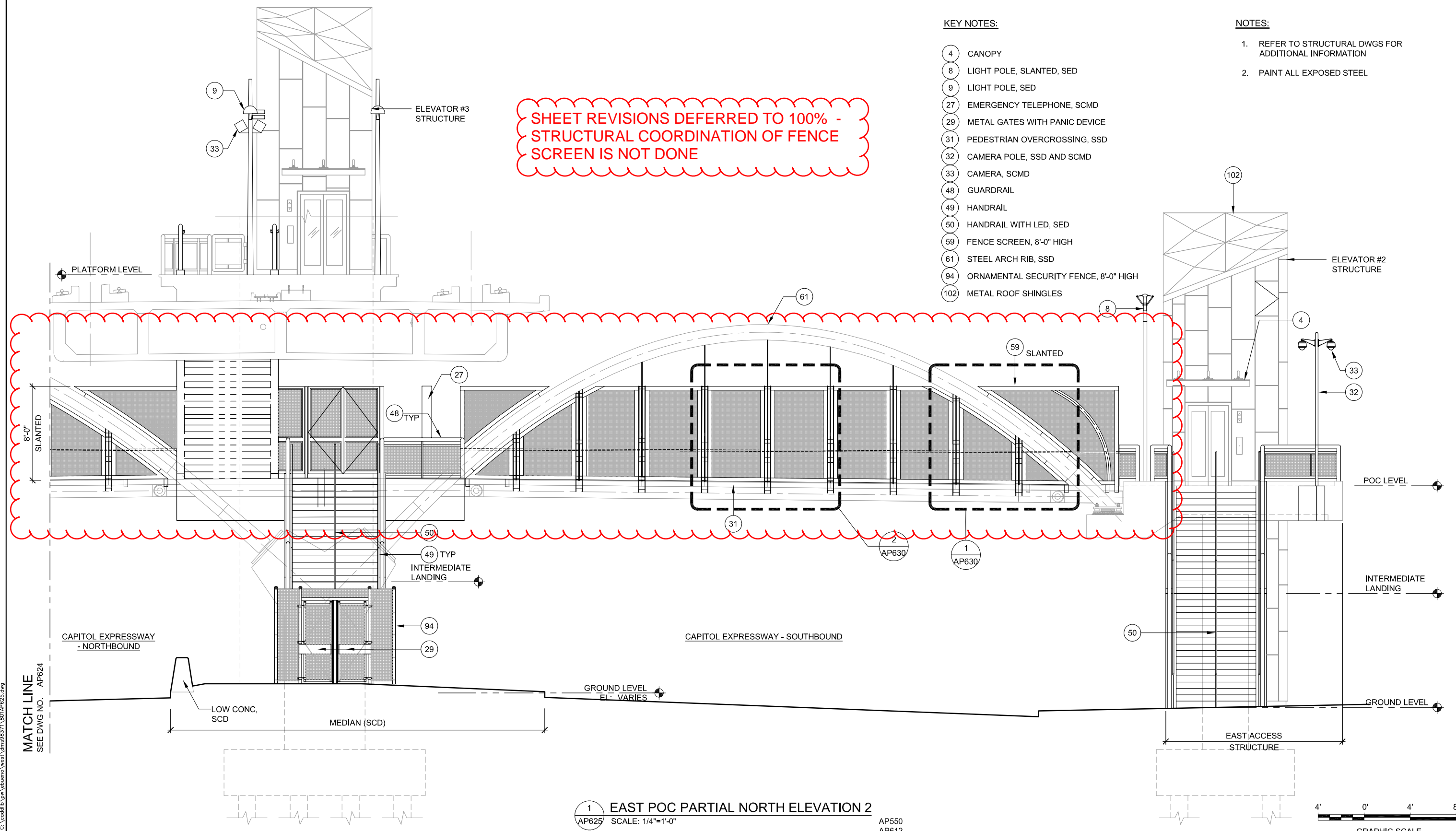
SHEET REVISIONS DEFERRED TO 100% -
STRUCTURAL COORDINATION OF FENCE
SCREEN IS NOT DONE

KEY NOTES:

- 4 CANOPY
- 8 LIGHT POLE, SLANTED, SED
- 9 LIGHT POLE, SED
- 27 EMERGENCY TELEPHONE, SCMD
- 29 METAL GATES WITH PANIC DEVICE
- 31 PEDESTRIAN OVERCROSSING, SSD
- 32 CAMERA POLE, SSD AND SCMD
- 33 CAMERA, SCMD
- 48 GUARDRAIL
- 49 HANDRAIL
- 50 HANDRAIL WITH LED, SED
- 59 FENCE SCREEN, 8'-0" HIGH
- 61 STEEL ARCH RIB, SSD
- 94 ORNAMENTAL SECURITY FENCE, 8'-0" HIGH
- 102 METAL ROOF SHINGLES

NOTES:

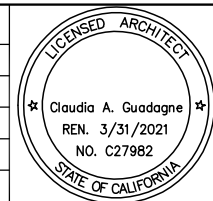
- 1. REFER TO STRUCTURAL DWGS FOR ADDITIONAL INFORMATION
- 2. PAINT ALL EXPOSED STEEL



1 EAST POC PARTIAL NORTH ELEVATION 2
AP625 SCALE: 1/4"=1'-0" AP550 AP612

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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A	06/18	35% SUBMITTAL SET



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CADD FILE NAME: 801AP625.DWG



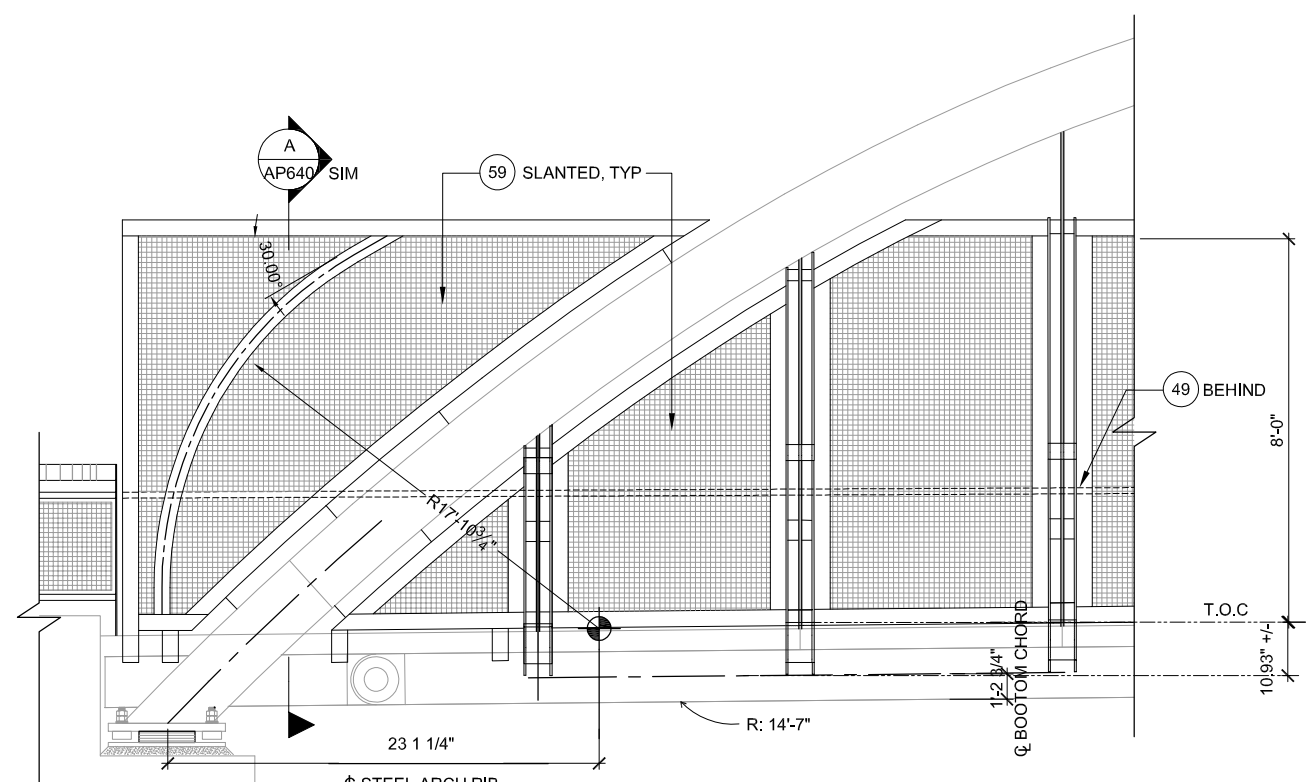
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/22/2020
SCALE: 1/4"=1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

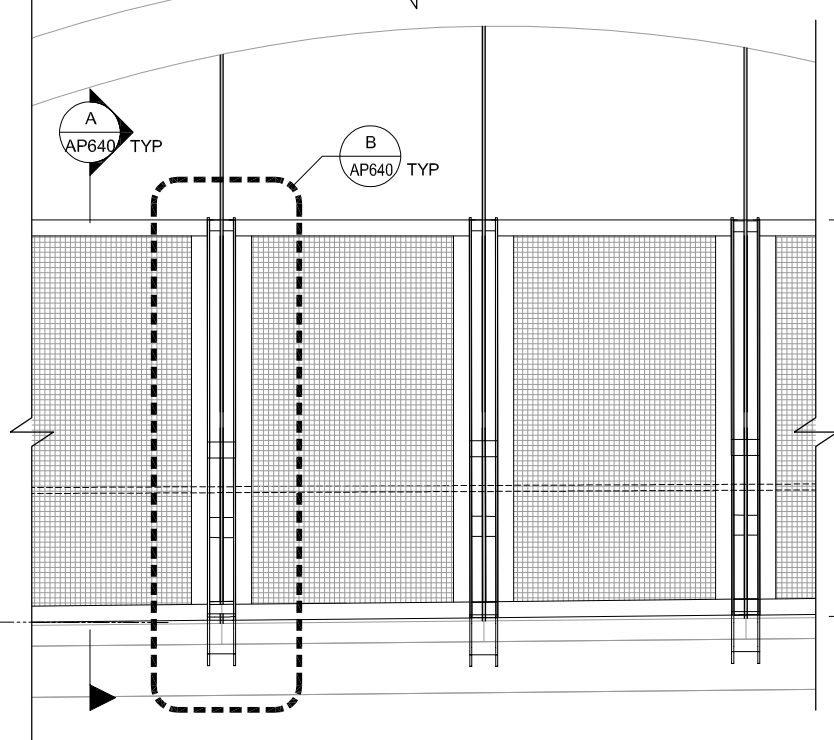
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - STORY STATION
EAST PEDESTRIAN OVERCROSSING
PARTIAL NORTH ELEVATION 2

PCA NO. 000 CONTRACT NO. (A###) C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. AP625 REVISION C



1 ELEVATION
 AP630 SCALE: 1/2"=1'-0" AP621 AP624 AP622 AP625



2 ELEVATION
 AP630 SCALE: 1/2"=1'-0" AP621 AP624 AP622 AP625

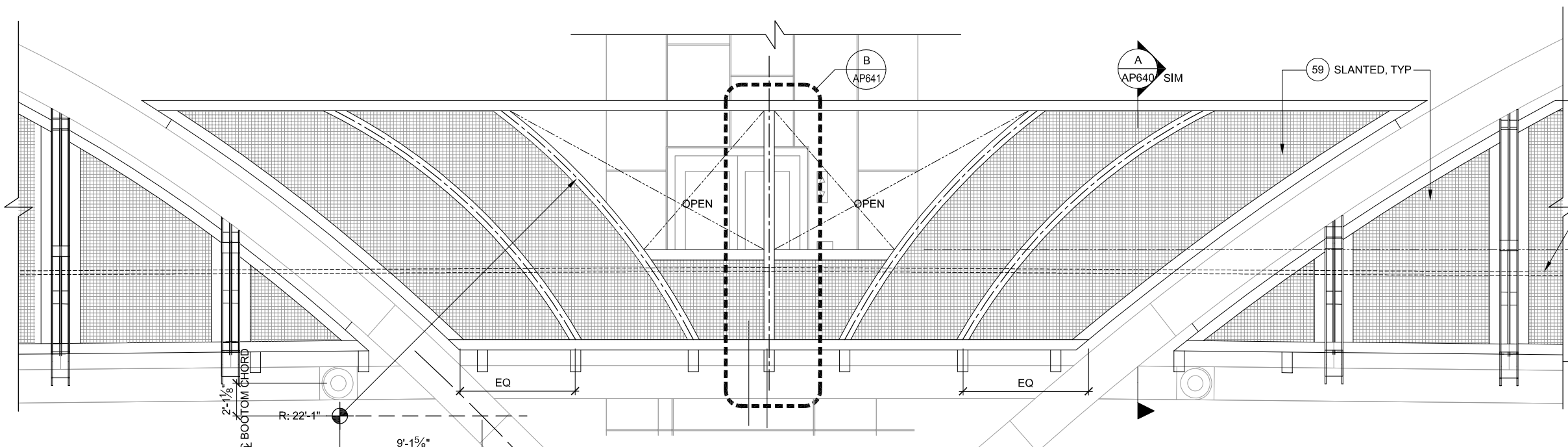
NOTE:

1. REFER TO STRUCTURAL DWGS FOR ADDITIONAL INFORMATION
2. PAINT ALL EXPOSED STEEL

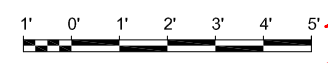
KEY NOTES:

- 49 HANDRAIL
- 59 FENCE SCREEN, 8'-0" HIGH
- 60 TIE RODS, SSD

SHEET REVISIONS DEFERRED TO 100% - STRUCTURAL COORDINATION OF FENCE SCREEN IS NOT DONE

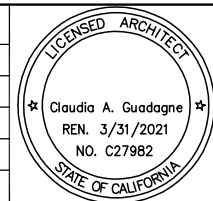


3 ELEVATION
 AP630 SCALE: 1/2"=1'-0" AP621



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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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 DRAWN: L. Canlas
 CADD FILE NAME: 801AP630.DWG

Santa Clara Valley Transportation Authority

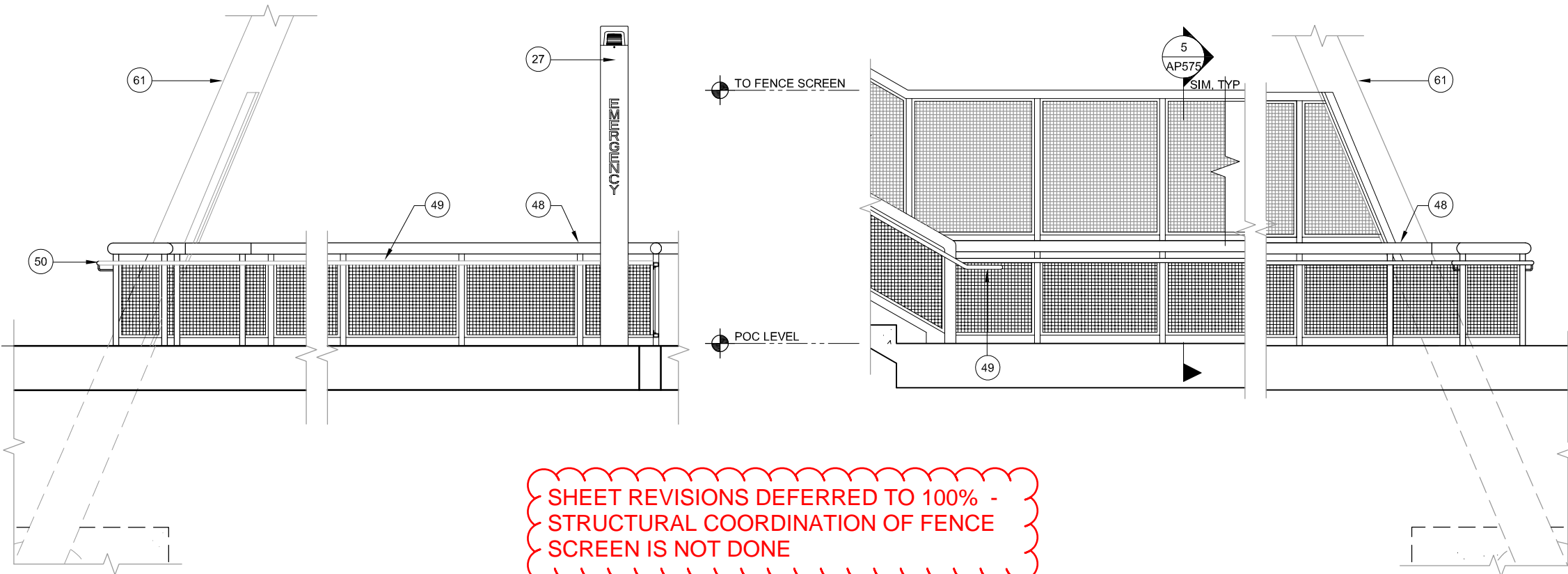
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

APPROVED: 06/02/2020
 SCALE: 1/2"=1'-0"
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

**EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 FENCE SCREEN ELEVATION DETAILS**

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF	AP630
DRAWING NO.	AP630
REVISION	C



NOTE:

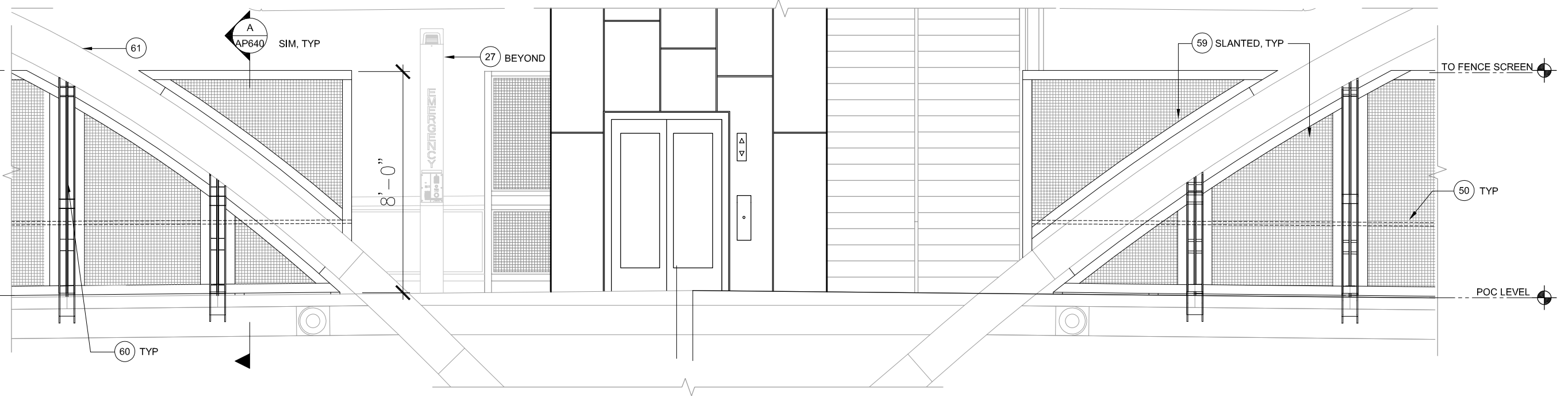
1. REFER TO STRUCTURAL DWGS FOR ADDITIONAL INFORMATION
2. PAINT ALL EXPOSED STEEL

- KEY NOTES:**
- 27 EMERGENCY TELEPHONE, SCMD
 - 48 GUARDRAIL
 - 49 HANDRAIL
 - 50 HANDRAIL WITH LED, SED
 - 59 FENCE SCREEN, 8'-0" HIGH
 - 60 TIE RODS, SSD
 - 61 STEEL ARCH RIB, SSD

SHEET REVISIONS DEFERRED TO 100% - STRUCTURAL COORDINATION OF FENCE SCREEN IS NOT DONE

1 ELEVATION AP631 SCALE 1/2"=1'-0" AP610

2 ELEVATION AP631 SCALE 1/2"=1'-0" AP610

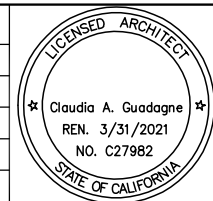


3 ELEVATION AP631 SCALE 1/2"=1'-0" AP610



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NO.	DATE	REVISIONS
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A	06/18	35% SUBMITTAL SET



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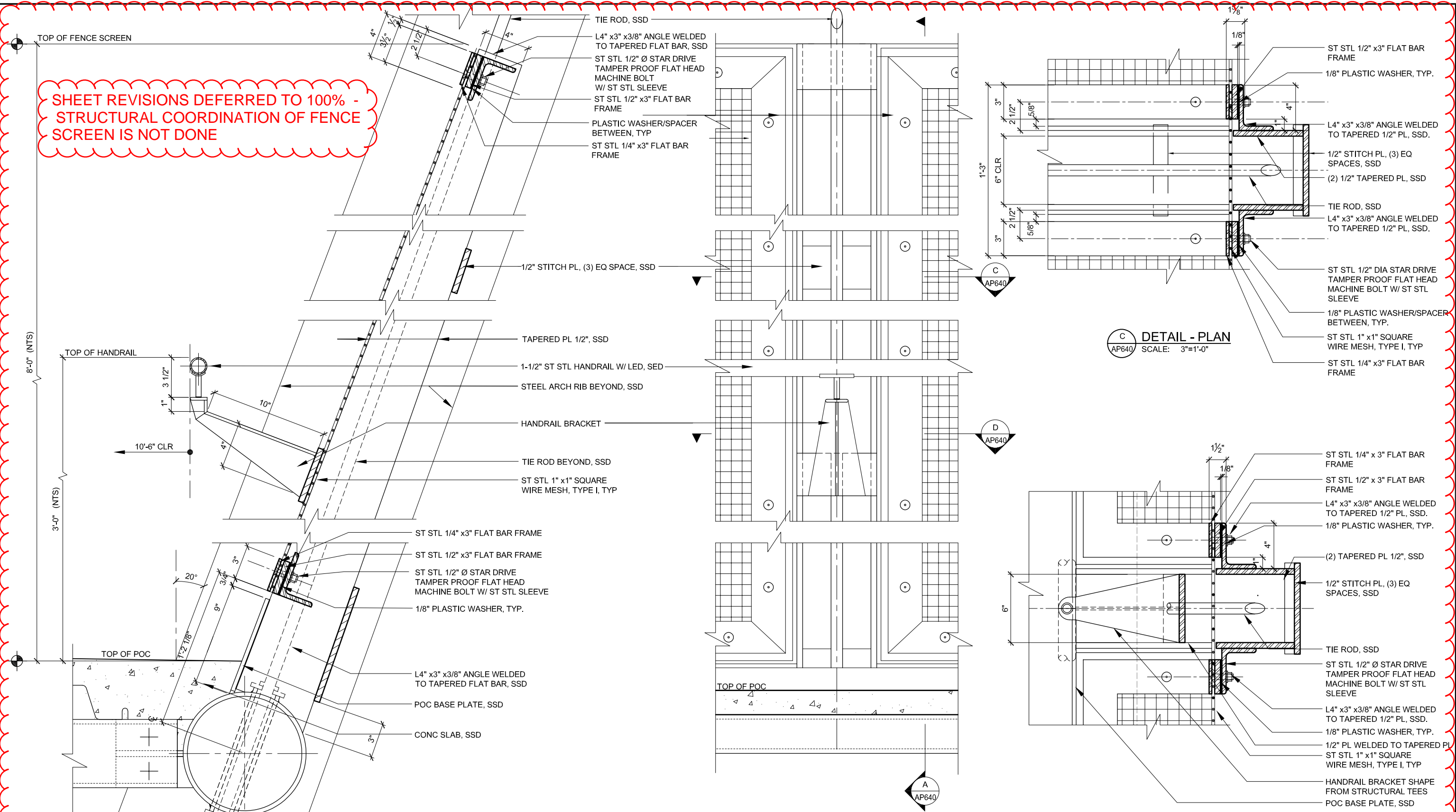
CADD FILE DATE: 06/02/2020
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 SCALE: 1/2"=1'-0"
 BOARD APPROVAL DATE:

**EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - STORY STATION
 FENCE SCREEN ELEVATION DETAILS**

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF	AP631
DRAWING NO.	AP631
REVISION	C

**SHEET REVISIONS DEFERRED TO 100% -
STRUCTURAL COORDINATION OF FENCE
SCREEN IS NOT DONE**



A DETAIL - SECTION AP630
SCALE: 3"=1'-0"

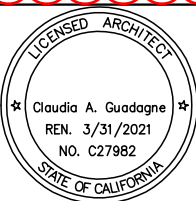
B PARTIAL ELEVATION (POC SIDE) AP630
SCALE: 3"=1'-0"

C DETAIL - PLAN AP640
SCALE: 3"=1'-0"

D DETAIL - PLAN AP640
SCALE: 3"=1'-0"

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NO.	DATE	REVISIONS
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CADD FILE DATE: 03/28/2020
SUBMITTAL DATE: 06/29/20

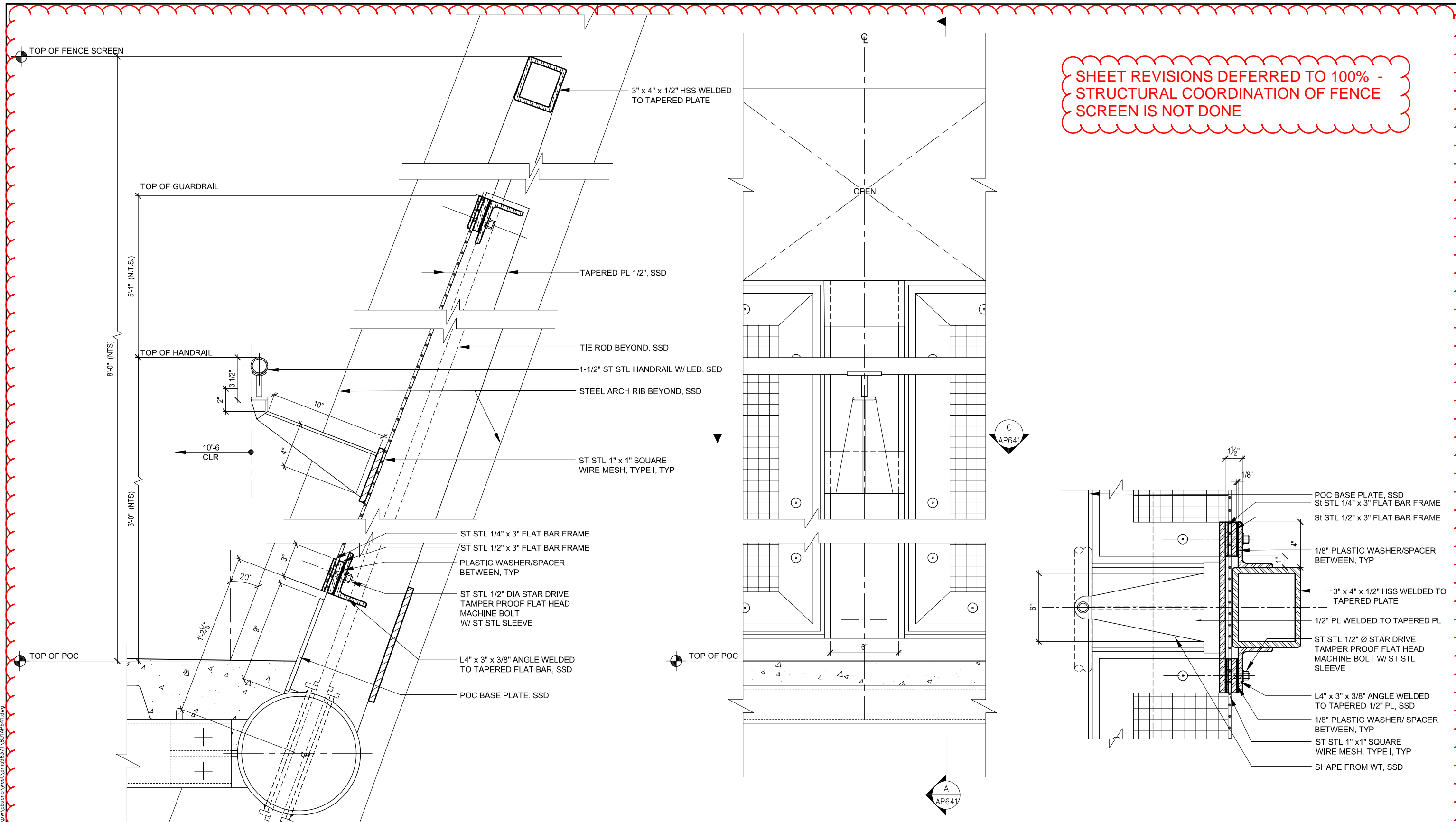
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BOARD APPROVAL DATE:

**EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - STORY STATION
PEDESTRIAN OVERCROSSING
FENCE SCREEN DETAILS**

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF	AP640
DRAWING NO.	AP640
REVISION	A

SHEET REVISIONS DEFERRED TO 100% -
STRUCTURAL COORDINATION OF FENCE
SCREEN IS NOT DONE



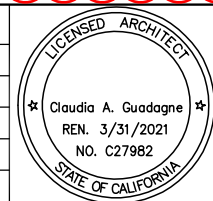
A DETAIL - SECTION AP630
SCALE: 3"=1'-0"

B PARTIAL ELEVATION (POC SIDE) AP630
SCALE: 3"=1'-0"

C DETAIL - PLAN AP641
SCALE: 3"=1'-0"

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



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CADD FILE NAME: 801AP641.DWG



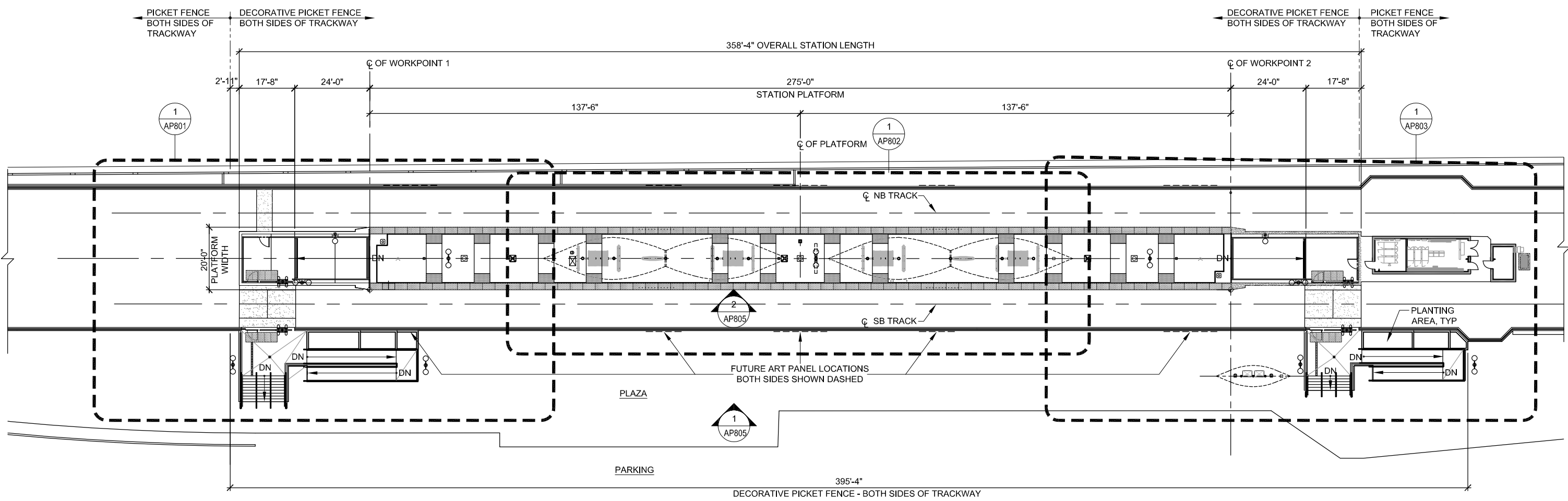
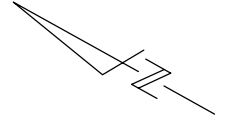
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CADD FILE DATE: 03/29/2020
SCALE: 3"=1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

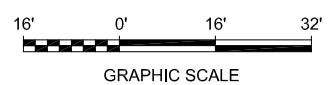
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - STORY STATION
PEDESTRIAN OVERCROSSING
GUARDRAIL DETAILS

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

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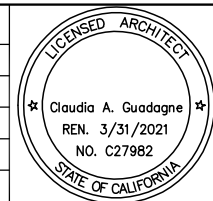


1 PLATFORM KEY PLAN
AP800 SCALE: 1/16"=1'-0"



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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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A	06/18	35% SUBMITTAL SET



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CADD FILE NAME: 801AP800.DWG

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CADD FILE DATE: 05/21/2020
SUBMITTAL DATE: 06/29/20

SCALE: 1/16" = 1'-0"
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - EASTRIDGE STATION
PLATFORM KEY PLAN

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF	AP800
DRAWING NO.	AP800
REVISION	C

NOTES:

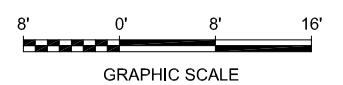
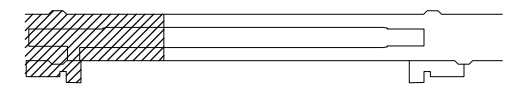
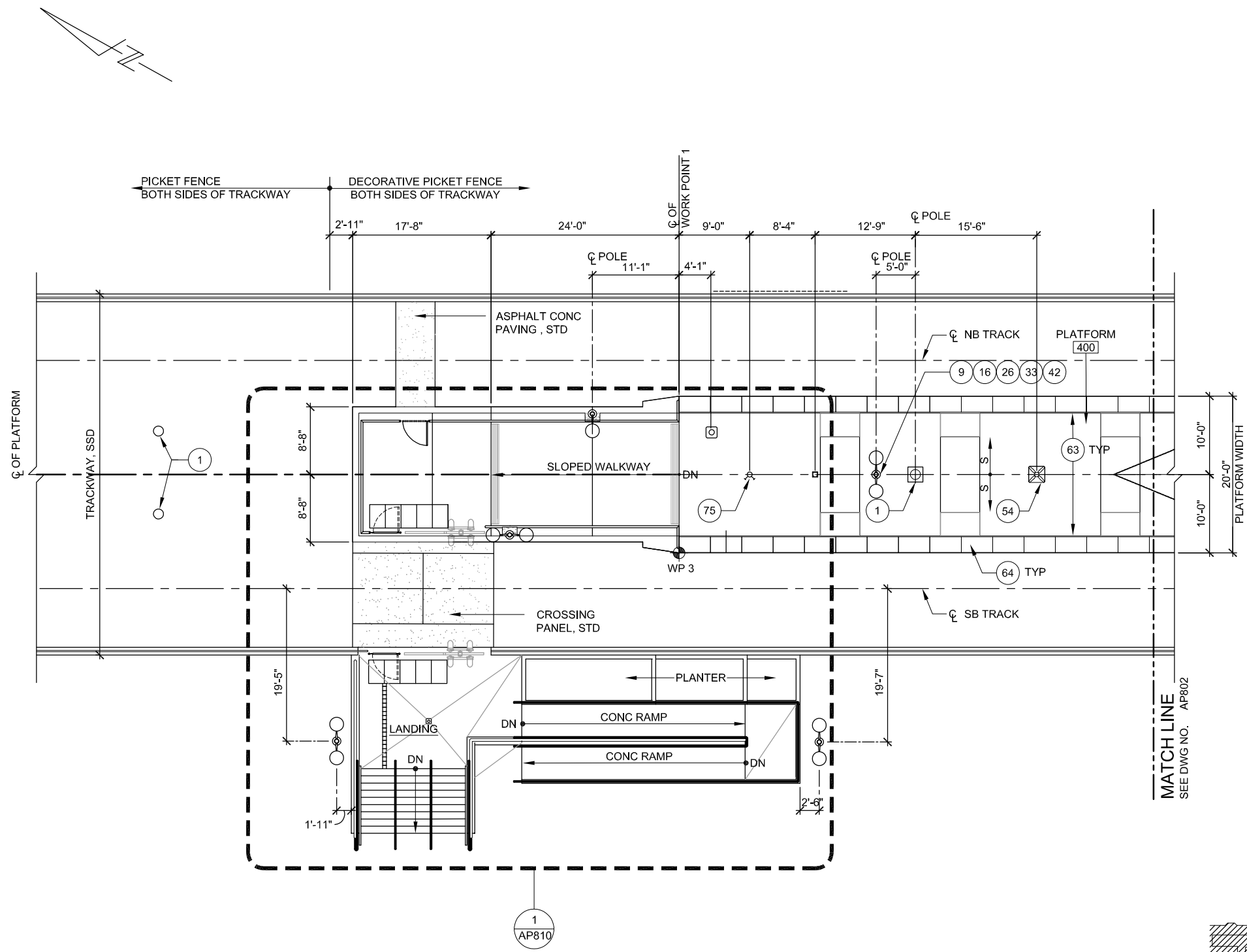
1. SEE AP800 FOR PLATFORM WIDTH DIMENSIONS AND FOR WORK SHOWN BUT NOT NOTED.
2. REFER TO COMMUNICATIONS, SIGNALS, ELECTRICAL, PLUMBING, MECHANICAL AND FIRE PROTECTION DRAWINGS FOR EQUIPMENT / DEVICES LAYOUT AND QUANTITIES.
3. REFER TO AP568 FOR DOOR SCHEDULE.

KEY NOTES:

- 1 OCS POLE
- 9 LIGHT POLE, SED
- 16 SIGN, SWD
- 26 MAINTENANCE TELEPHONE, SCMD
- 33 CAMERA, SCMD
- 42 PUBLIC ADDRESS SPEAKER HOUSING, SCMD
- 54 TRASH / RECEPTACLE SEE 1/AT333
- 63 CONT BLACK STRIPE, TYP
- 64 TACTILE WARNING BAND, TYP
- 75 FIRE HOSE CONNECTION, SFPD

LEGEND:

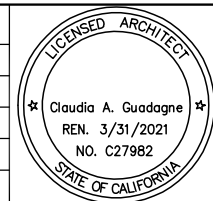
-  STATION WORK POINT, STD



1 PARTIAL PLATFORM PLAN 1 AP800
 AP801 SCALE: 1/8"=1'-0"

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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 DRAWN: **L. Canlas** CADD FILE NAME: **801AP801.DWG**

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 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/21/2020 SCALE: 1/8"=1'-0"
 SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

**EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - EASTRIDGE STATION
 PARTIAL PLATFORM PLAN 1**

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

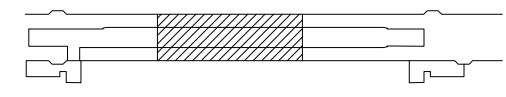
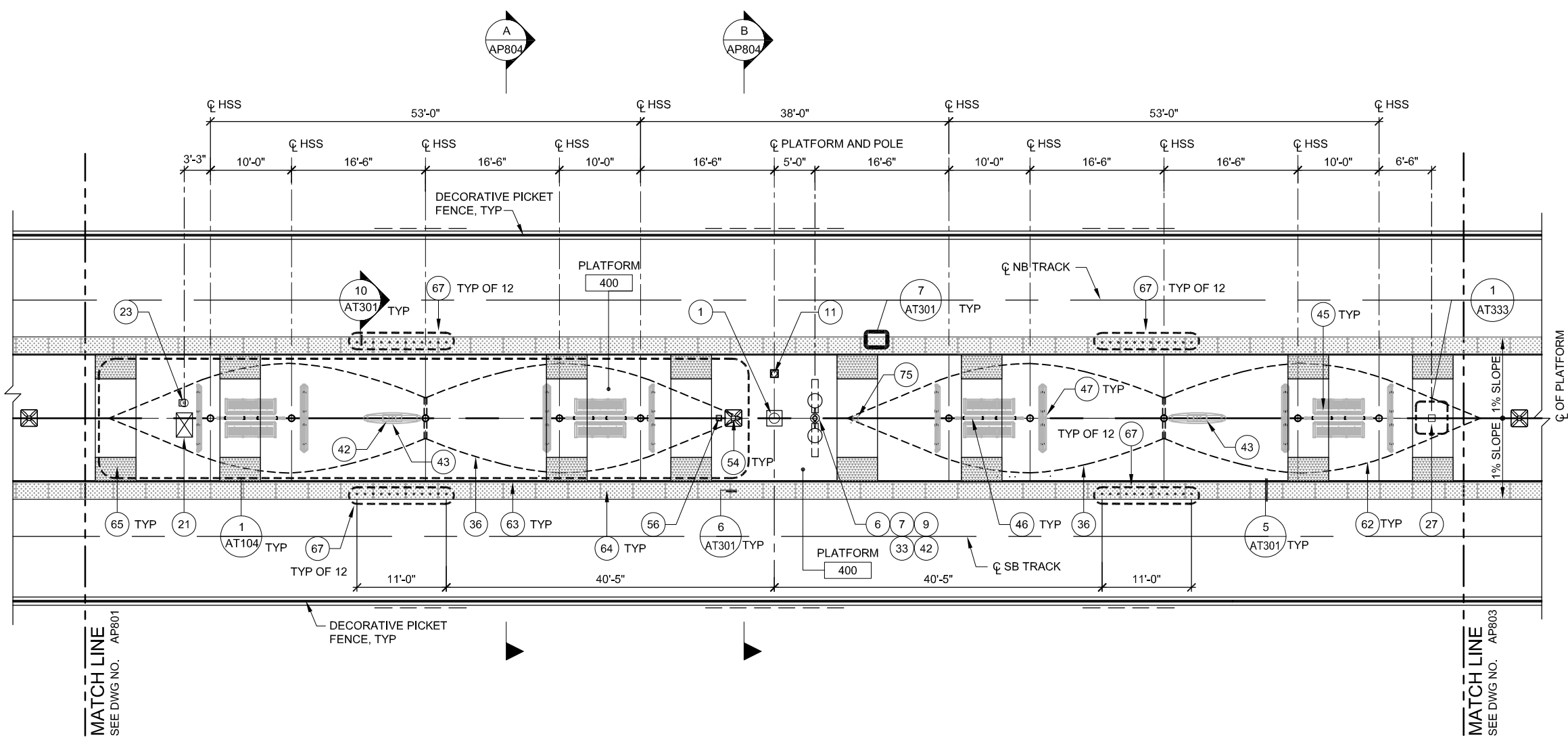
SHEET OF	AP801
DRAWING NO.	AP801
REVISION	C

NOTES:

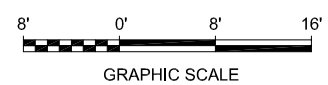
- SEE AP800 FOR PLATFORM WIDTH DIMENSIONS AND FOR WORK SHOWN BUT NOT NOTED.
- REFER TO COMMUNICATIONS, SIGNALS, ELECTRICAL, PLUMBING, MECHANICAL AND FIRE PROTECTION DRAWINGS FOR EQUIPMENT / DEVICES LAYOUT AND QUANTITIES.
- REFER TO AP568 FOR DOOR SCHEDULE.

KEY NOTES:

- 1 OCS POLE, SOD
- 6 PASSENGER INFORMATION MONITOR, SCMD
- 7 MICROPHONE
- 9 LIGHT POLE, SED
- 11 TES GROUND WELL BOX
- 21 TVM W/ PULL BOX UNDER, SCMD
- 23 TRANSLINK CID, SCMD
- 27 EMERGENCY TELEPHONE, SCMD
- 33 CAMERA, SCMD
- 36 SHELTER CANOPY
- 42 PUBLIC ADDRESS SPEAKER HOUSING, SCMD
- 43 GRAPHICS DISPLAY KIOSK, SEE 2/AT332
- 45 BENCH
- 46 WINDSCREEN
- 47 LEANING RAIL
- 54 TRASH RECEPTACLE, SEE 1/AT333
- 56 GROUND HYDRANT, SPD
- 62 CONCRETE TOPPING SLAB
- 63 CONT BLACK STRIPE, TYP
- 64 TACTILE WARNING BAND, TYP
- 65 DETECTABLE DIRECTIONAL SURFACE
- 67 FLEXIBLE BOLLARDS
- 75 FIRE HOSE CONNECTION, SFPD



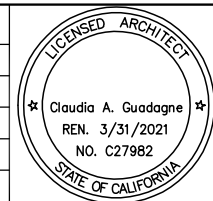
KEY PLAN



1 PARTIAL PLATFORM PLAN 2 AP800
SCALE: 1/8"=1'-0"

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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CADD FILE NAME: 801AP802.DWG

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CADD FILE DATE: 05/04/2020
SUBMITTAL DATE: 06/29/20
SCALE: 1/8"=1'-0"
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - EASTRIDGE STATION
PARTIAL PLATFORM PLAN 2

PCA NO. 000 CONTRACT NO. C802 FILE LOCATION PROJECTWISE

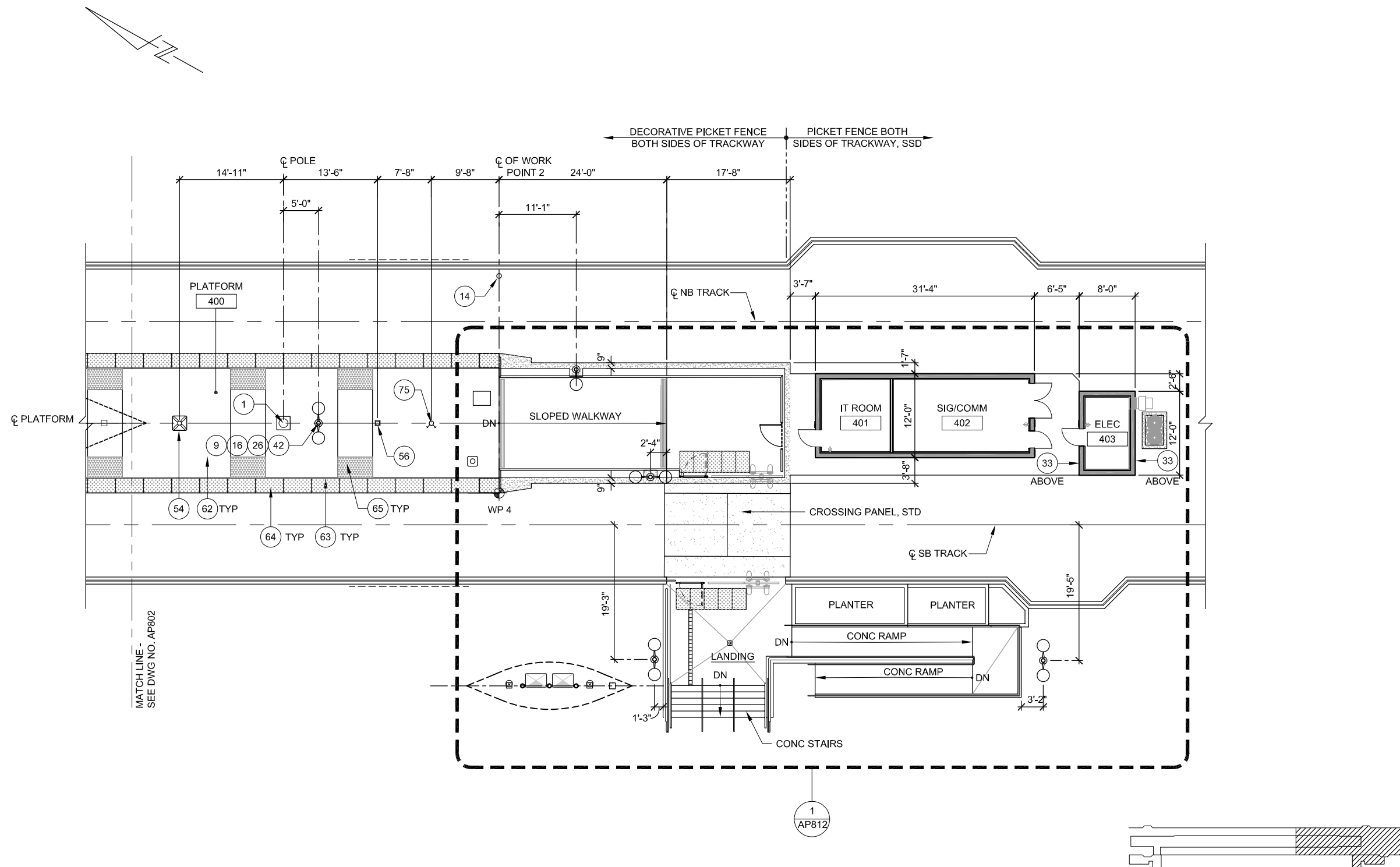
SHEET OF	AP802
DRAWING NO.	AP802
REVISION	C

NOTES:

- SEE AP800 FOR PLATFORM WIDTH AND FOR WORK SHOWN BUT NOT NOTED.
- REFER TO COMMUNICATIONS, SIGNALS, ELECTRICAL, PLUMBING, MECHANICAL AND FIRE PROTECTION DRAWINGS FOR EQUIPMENT / DEVICES LAYOUT AND QUANTITIES.
- REFER TO AP568 FOR DOOR SCHEDULE

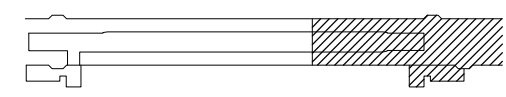
KEY NOTES:

- 1 OCS POLE
- 9 LIGHT POLE, SED
- 14 TRAIN SIGNAL HEAD, SSGD
- 16 SIGN, SWD
- 26 MAINTENANCE TELEPHONE, SCMD
- 33 CAMERA, SCMD
- 42 PUBLIC ADDRESS SPEAKER HOUSING, SCMD
- 54 TRASH RECEPTACLE, SEE 1/AT333
- 56 GROUND HYDRANT, SPD
- 62 CONCRETE TOPPING SLAB
- 63 CONT BLACK STRIPE, TYP
- 64 TACTILE WARNING BAND, TYP
- 65 DETECTABLE DIRECTIONAL SURFACE
- 75 FIRE HOSE CONNECTION, SFPD

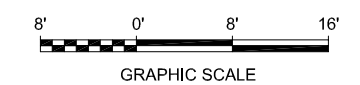


LEGEND:

- CONC WALL, - 2 HR
- STATION WORK POINT, STD



KEY PLAN

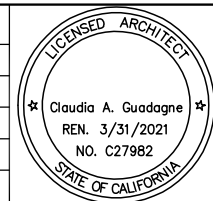


GRAPHIC SCALE

1 PARTIAL PLATFORM PLAN 3
AP803 SCALE: 1/8"=1'-0" AP800

EdBano Jun 20, 2020 - 4:02pm C:\cadd\p\m\k\ebano\west\omas8371\801AP803.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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A	06/18	35% SUBMITTAL SET



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DESIGNED: M. Grindulo
CHECKED: C. Guadagne
DRAWN: L. Canlas
CADD FILE NAME: 801AP803.DWG

Santa Clara Valley Transportation Authority

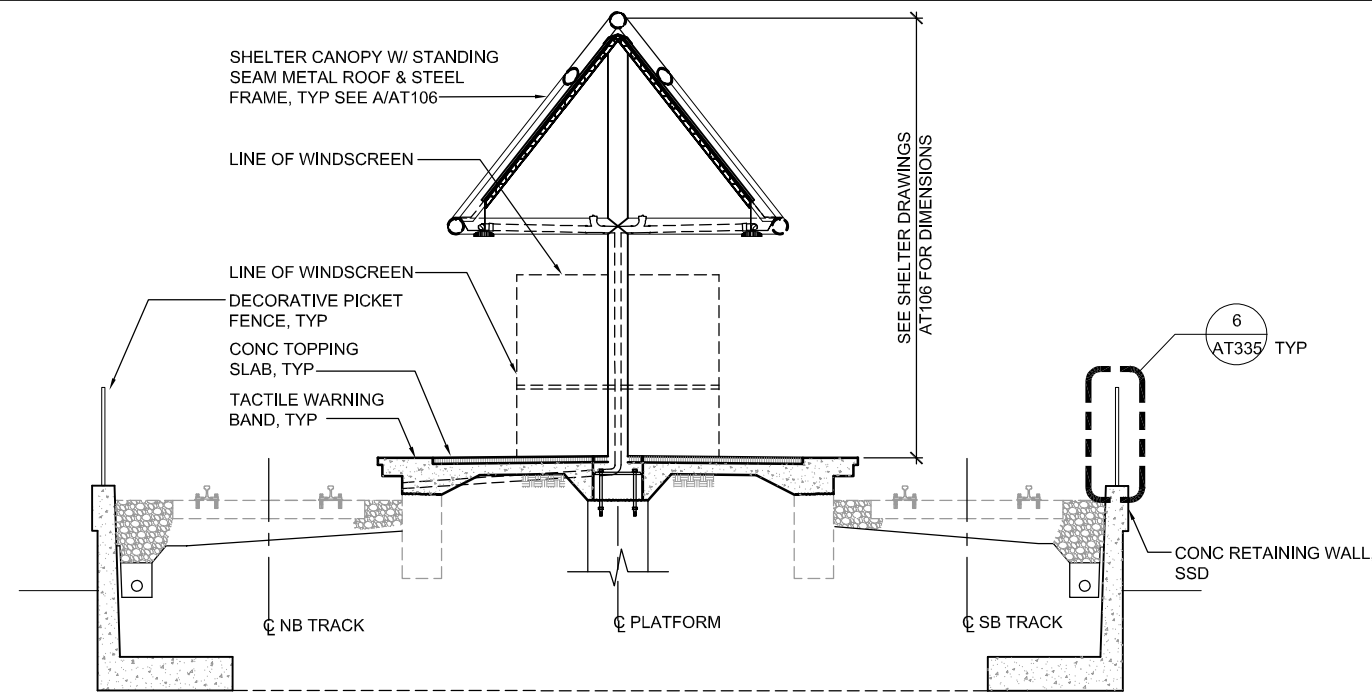
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/21/2020
SCALE: 1/8"=1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

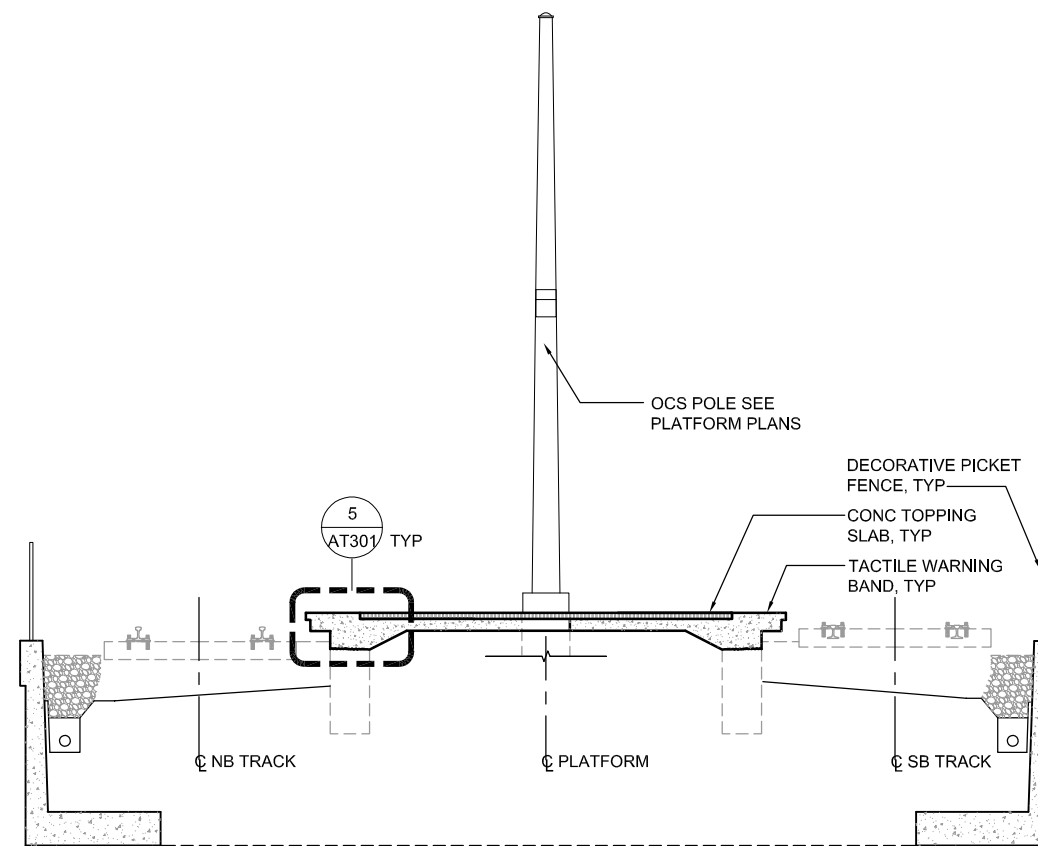
**EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - EASTRIDGE STATION
PARTIAL PLATFORM PLAN 3**

PCA NO. 000 CONTRACT NO. C802 FILE LOCATION PROJECTWISE

SHEET OF	AP803
DRAWING NO.	AP803
REVISION	C



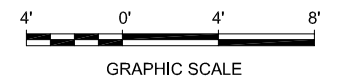
TYP PLATFORM SECTION @ SHELTER CANOPY
 A AP804 SCALE: 1/4"=1'-0" AP802



TYP PLATFORM SECTION
 B AP804 SCALE: 1/4"=1'-0" AP802

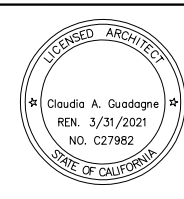
NOTES:

1. REFER TO COMMUNICATIONS, SIGNALS, ELECTRICAL, PLUMBING, MECHANICAL AND FIRE PROTECTION DRAWINGS FOR EQUIPMENT / DEVICES LAYOUT AND QUANTITIES.
2. PROVIDE 1 PERCENT CROSS SLOPE ON THE ENTIRE LENGTH OF PLATFORM.



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NO.	DATE	REVISIONS
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A	06/18	35% SUBMITTAL SET



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 CADD FILE NAME: 801AP804.DWG

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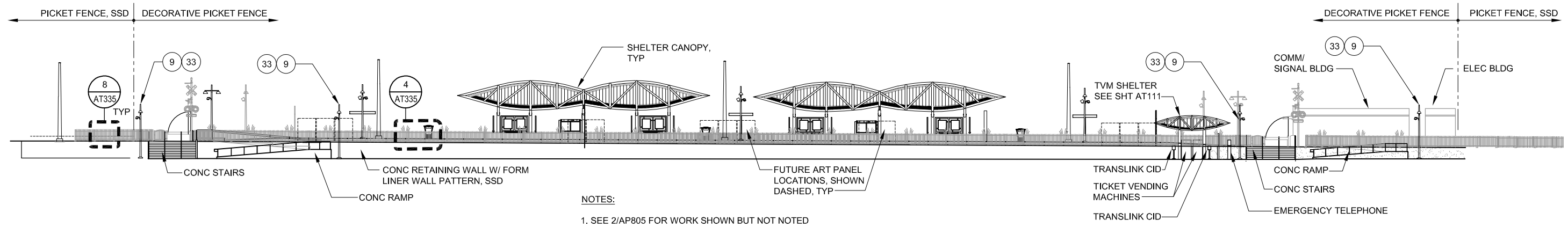
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/20/2020
 SCALE: 1/4"=1'-0"
 SUBMITTAL DATE: 06/29/2020
 BOARD APPROVAL DATE:

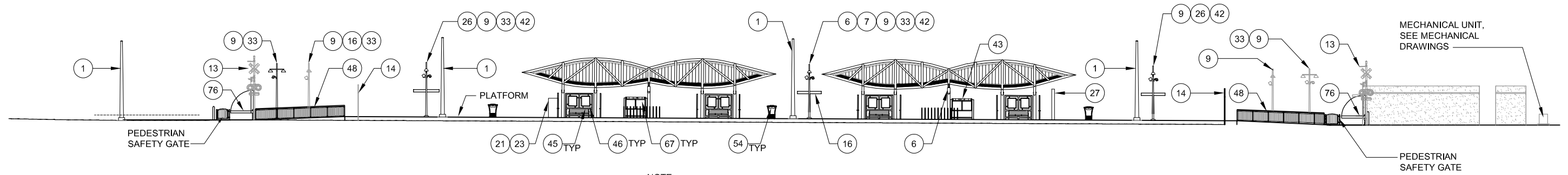
**EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - EASTRIDGE STATION
 PLATFORM SECTIONS**

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF	AP804
DRAWING NO.	AP804
REVISION	C



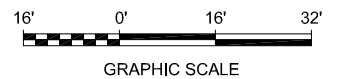
1 WEST STATION ELEVATION (WITH FENCING) AP800
 AP805 SCALE: 1/16"=1'-0"



2 WEST PLATFORM ELEVATION AP800
 AP805 SCALE: 1/16"=1'-0"

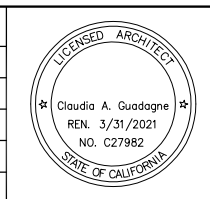
KEY NOTES:

- | | | |
|--|---|----------------------------------|
| 1 OCS POLE, SOD | 21 TVM W/ PULL BOX UNDER, SCMD | 45 BENCH |
| 6 PASSENGER INFORMATION MONITOR, SCMD | 23 TRANSLINK CID, SCMD | 46 WINDSCREEN |
| 7 MICROPHONE, SCMD | 26 MAINTENANCE TELEPHONE, SCMD | 48 GUARDRAIL |
| 9 LIGHT POLE, SED | 27 EMERGENCY TELEPHONE, SCMD | 54 TRASH RECEPTACLE, SEE 7/AT333 |
| 13 LIGHTS / FLASHERS SIGNAL POLE, SSGD | 33 CAMERA, SCMD | 67 FLEXIBLE BOLLARDS |
| 14 TRAIN SIGNAL HEAD, SSGD | 42 PUBLIC ADDRESS SPEAKER HOUSING, SCMD | 76 ACTIVATED GATE ARM, SSGD |
| 16 SIGN, SWD | 43 GRAPHIC DISPLAY KIOSK, SEE 2/AT332 | |



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DESIGNED: M. Grindulo CHECKED: C. Guadagne
 DRAWN: L. Canlas CADD FILE NAME: 801AP805.DWG

Santa Clara Valley Transportation Authority

APPROVED

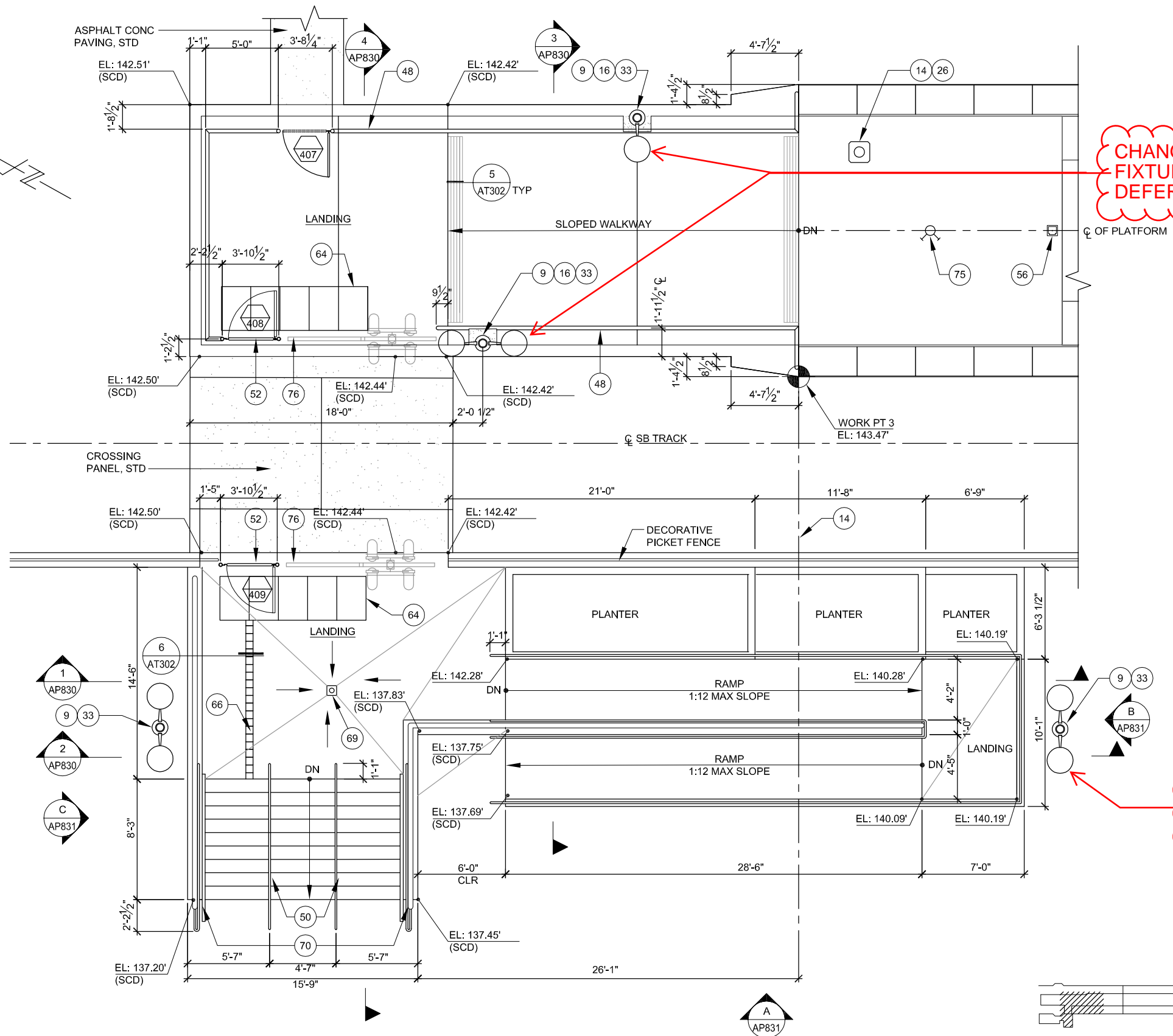
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/20/2020 SCALE: 1/16"=1'-0"
 SUBMITTAL DATE: 06/29/2020 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - EASTRIDGE STATION
 WEST ELEVATIONS

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. AP805 REVISION C



CHANGE LIGHT FIXTURE TYPE - DEFERRED TO 100%

CHANGE LIGHT FIXTURE TYPE - DEFERRED TO 100%

- NOTES:**
- REFER TO COMMUNICATIONS, SIGNALS, ELECTRICAL, PLUMBING, MECHANICAL AND FIRE PROTECTION DRAWINGS FOR EQUIPMENT / DEVICES LAYOUT AND QUANTITIES.
 - REFER TO AP800 FOR WORK SHOWN BUT NOTED.

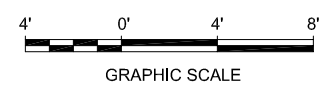
- KEY NOTES:**
- 9 LIGHT POLE, SED
 - 14 TRAIN SIGNAL HEAD, SSGD
 - 16 SIGN, SWD
 - 26 MAINTENANCE TELEPHONE, SCMD
 - 33 CAMERA, SCMD
 - 48 GUARDRAIL
 - 50 HANDRAIL WITH LED, SED
 - 52 PEDESTRIAN SAFETY GATE
 - 56 GROUND HYDRANT, SPD
 - 64 TACTILE WARNING BAND, TYP
 - 66 DETECTABLE DIRECTIONAL TILE
 - 69 AREA DRAIN, SPD
 - 70 STEEL BICYCLE WHEEL GUIDE
 - 75 FIRE HOSE CONNECTION, SFPD
 - 76 ACTIVATED GATE ARM, SSGD

LEGEND:

● STATION WORK POINT, STD

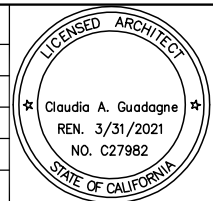
1 ENLARGED PLAN
AP810 SCALE: 1/4"=1'-0" AP801

KEY PLAN



Dell 530 Jun 26, 2020 10:20am C:\cadd\ib\vw\loc\loc\west\dmr88371\801\AP810.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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A	06/18	35% SUBMITTAL SET



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DRAWN: L. Canlas
CADD FILE NAME: 801AP810.DWG

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CADD FILE DATE: 06/26/2020
SUBMITTAL DATE: 06/29/20
SCALE: 1/4"=1'-0"
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - EASTRIDGE STATION
PLATFORM NORTH ENTRY
ENLARGED PLAN

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. AP810 REVISION C

CHANGE LIGHT FIXTURE TYPE - DEFERRED TO 100%

NOTE:
 1. REFER TO COMMUNICATIONS, SIGNALS, ELECTRICAL, PLUMBING, MECHANICAL AND FIRE PROTECTION DRAWINGS FOR EQUIPMENT / DEVICES LAYOUT AND QUANTITIES.

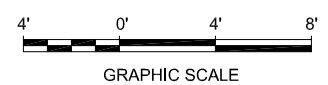
- KEY NOTES:**
- 9 LIGHT POLE, SED
 - 14 TRAIN SIGNAL HEAD, SSGD
 - 16 SIGN, SWD
 - 22 TICKET VENDING MACHINE, SCMD
 - 23 TRANSLINK CID, SCMD
 - 27 EMERGENCY TELEPHONE, SCMD
 - 33 CAMERA, SCMD
 - 41 TVM SHELTER CANOPY, SEE AT111
 - 48 GUARDRAIL
 - 50 HANDRAIL WITH LED, SED
 - 52 PEDESTRIAN SAFETY GATE
 - 64 TACTILE WARNING BAND, TYP
 - 66 DETECTABLE DIRECTIONAL TILE
 - 69 AREA DRAIN, SPD
 - 70 STEEL BICYCLE WHEEL GUIDE
 - 76 ACTIVATED GATE ARM, SSGD

CHANGE LIGHT FIXTURE TYPE - DEFERRED TO 100%

- LEGEND:**
- CONC WALL, 2 HR RATED, SSD
 - STATION WORK POINT, STD

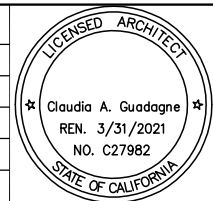
1 ENLARGED PLAN
 AP812 SCALE: 1/4"=1'-0" AP803

KEY PLAN



Dell 530 Jun 26, 2020 10:54am C:\cadd\ib\vw\loc\loc\west\cns8371\801AP812.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/26/2020
 SUBMITTAL DATE: 06/29/20
 SCALE: 1/4"=1'-0"
 BOARD APPROVAL DATE:

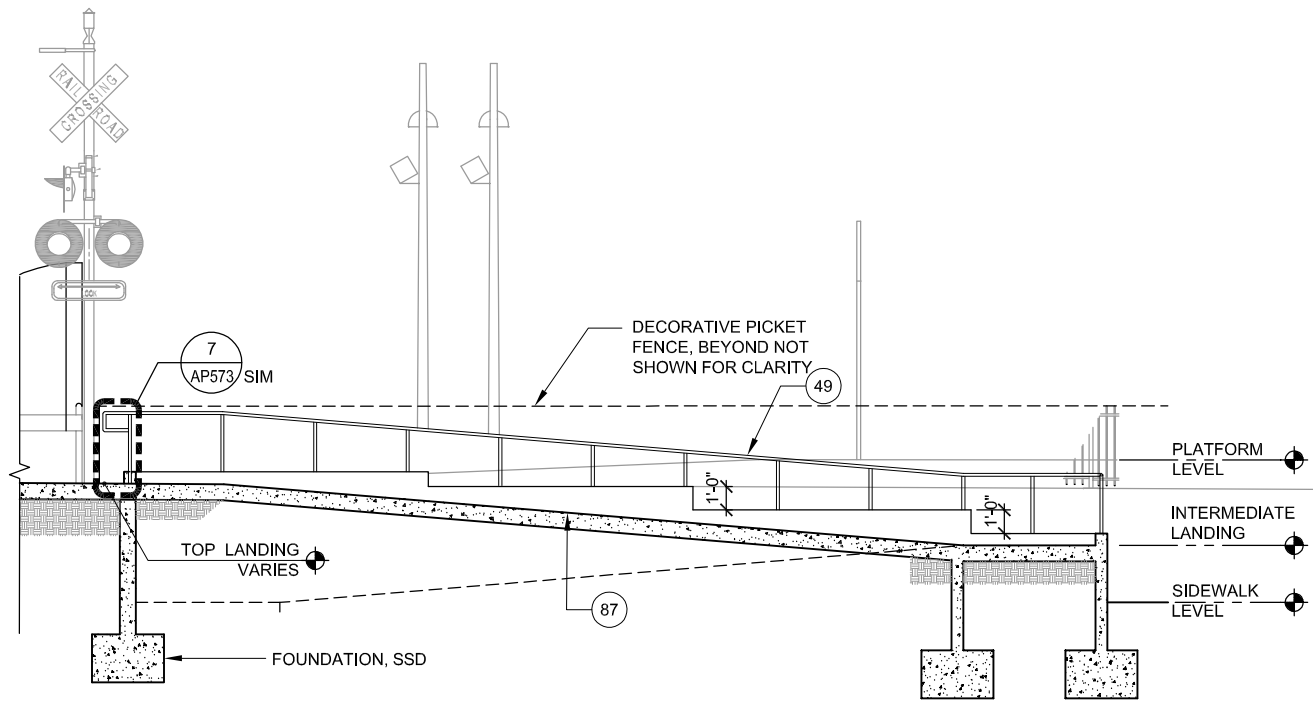
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - EASTRIDGE STATION
 PLATFORM SOUTH ENTRY
 ENLARGED PLAN

PCA NO. 000 CONTRACT NO. C802 FILE LOCATION PROJECTWISE

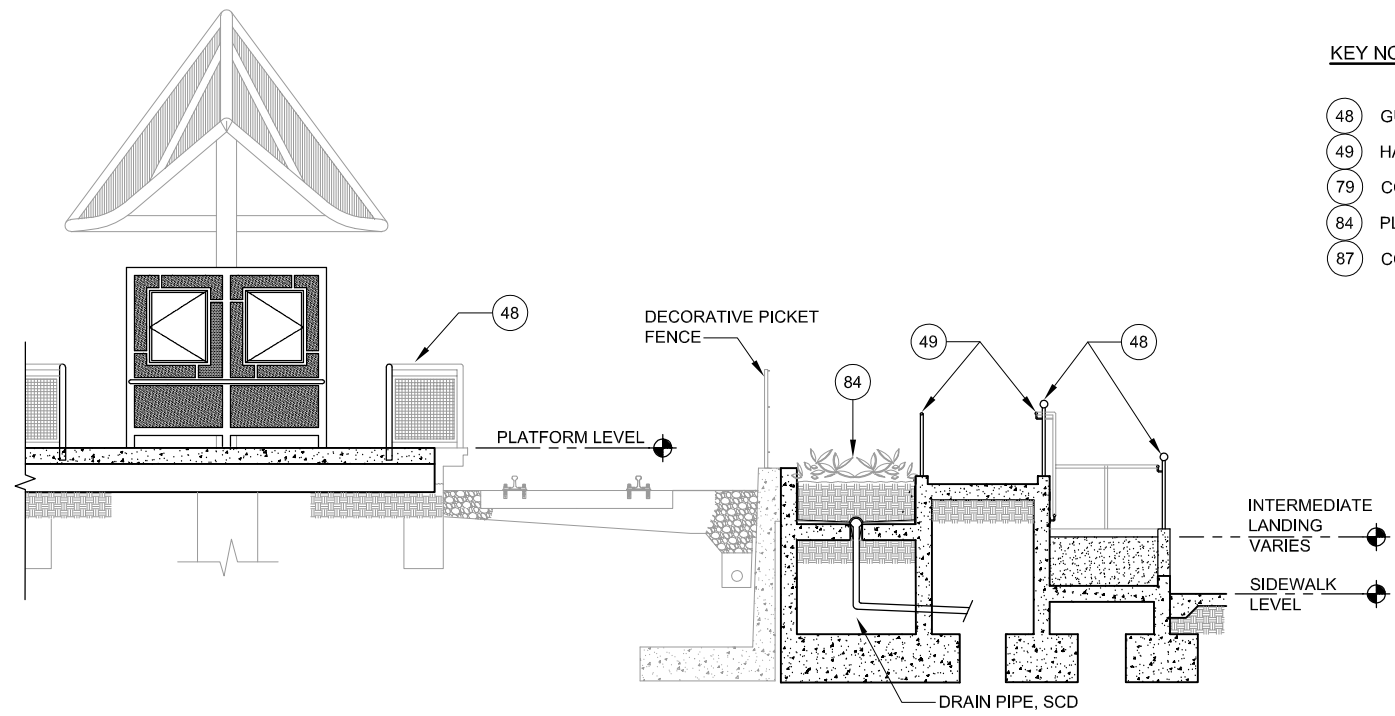
SHEET OF DRAWING NO. AP812 REVISION B

KEY NOTES:

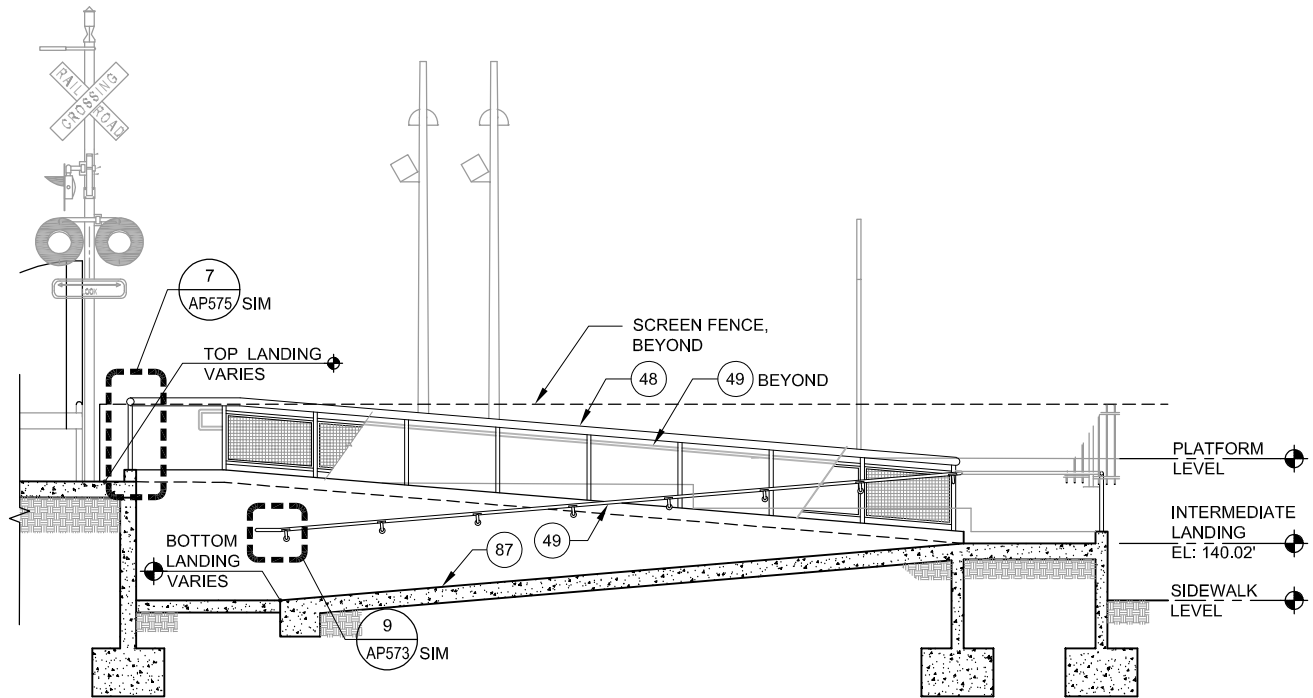
- 48 GUARDRAIL
- 49 HANDRAIL
- 79 CONCRETE STAIR, SSD
- 84 PLANTER, SLD
- 87 CONCRETE RAMP, SSD, SLD



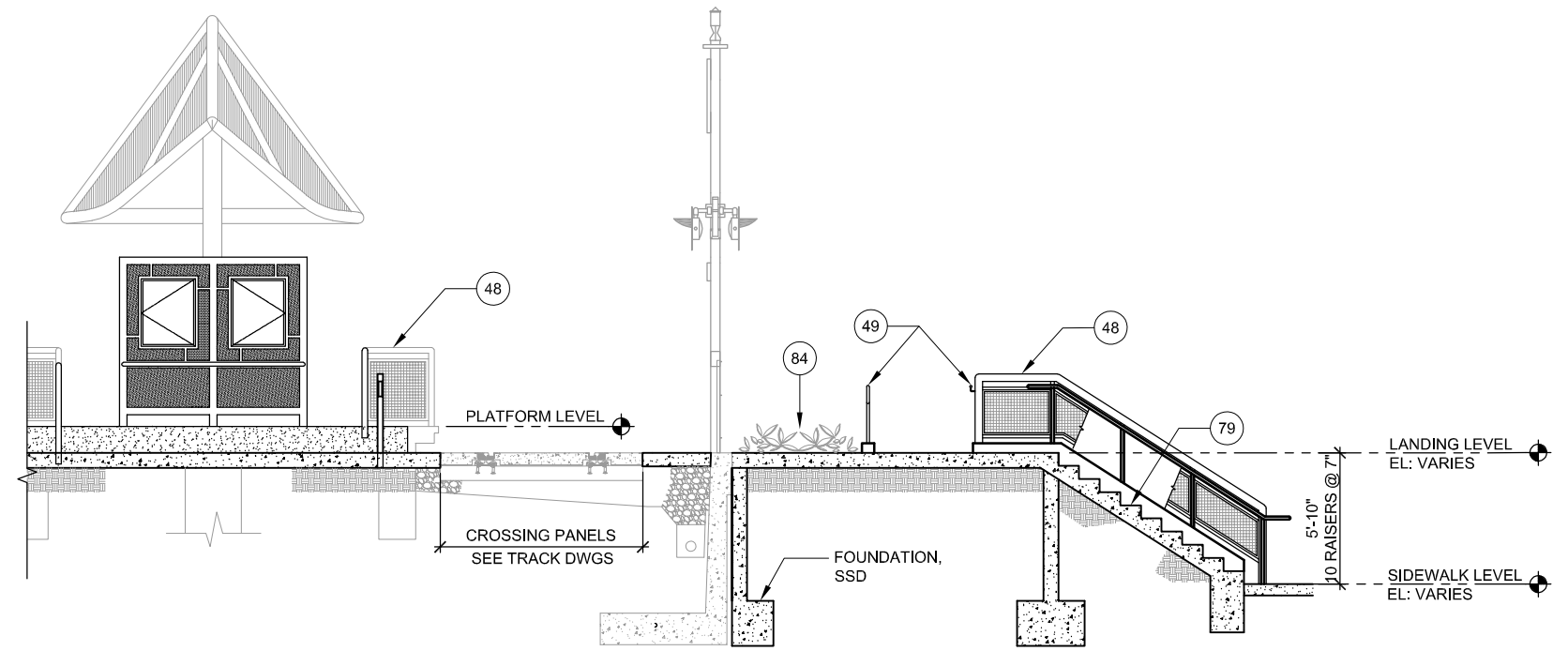
1 SECTION - NORTH RAMP
 AP830 SCALE: 1/4"=1'-0" AP810



3 SECTION - NORTH RAMP
 AP830 SCALE: 1/4"=1'-0" AP810



2 SECTION - NORTH RAMP
 AP830 SCALE: 1/4"=1'-0" AP810

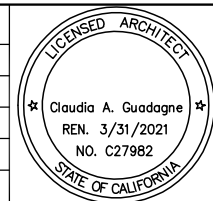


4 SECTION - NORTH RAMP AND STAIR
 AP830 SCALE: 1/4"=1'-0" AP810



E:\Bueno Jun 20, 2020 3:55 pm C:\cadd\Bueno\west\umrs98371\801AP830.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



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 CHECKED: C. Guadagne
 DRAWN: L. Canlas
 CADD FILE NAME: 801AP830.DWG

Santa Clara Valley Transportation Authority

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 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/13/2020
 SCALE: 1/4"=1'-0"
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

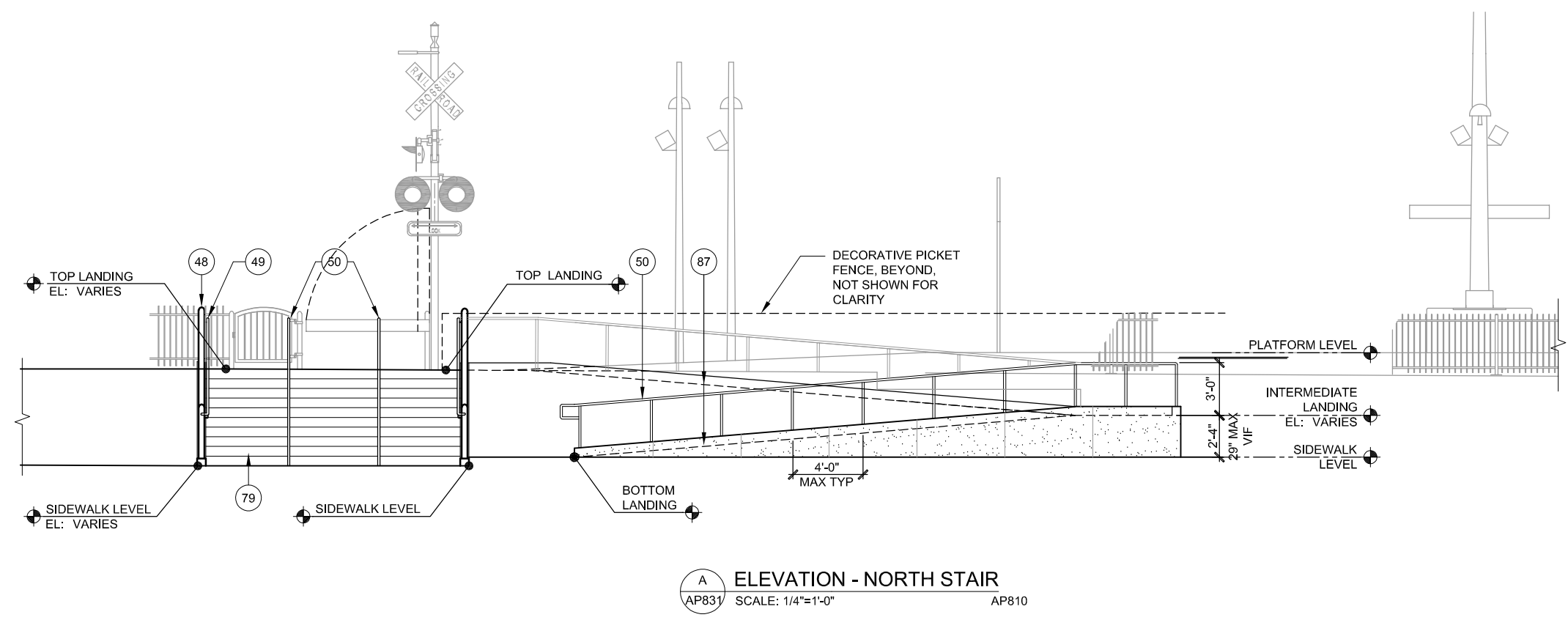
**EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - EASTRIDGE STATION
 RAMP SECTIONS**

PCA NO. 000 CONTRACT NO. C802 FILE LOCATION PROJECTWISE

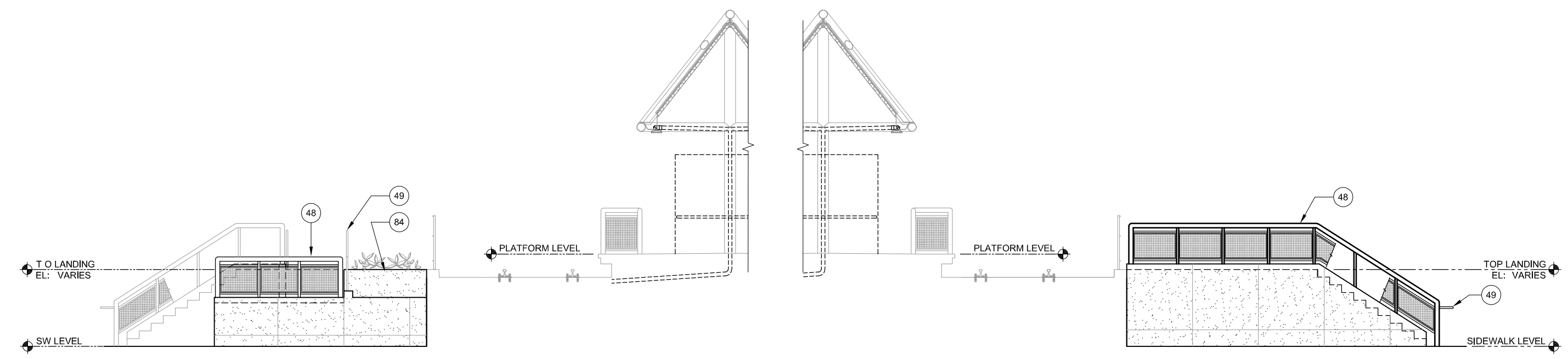
SHEET OF DRAWING NO. AP830 REVISION A

KEY NOTES:

- (48) GUARDRAIL
- (49) HANDRAIL
- (50) HANDRAIL WITH LED
- (79) CONCRETE STAIRS, SSD
- (84) PLANTER, SLD
- (87) CONCRETE RAMP, SSD

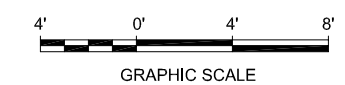


A ELEVATION - NORTH STAIR
 AP831 SCALE: 1/4"=1'-0" AP810



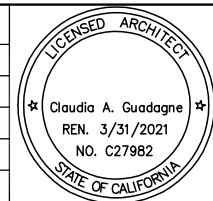
B ELEVATION - NORTH STAIR
 AP831 SCALE: 1/4"=1'-0" AP810

C ELEVATION - NORTH STAIR
 AP831 SCALE: 1/4"=1'-0" AP810



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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET



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 DRAWN: L. Canlas
 CADD FILE NAME: 801AP831.DWG

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 ENGINEERS / SURVEYORS / PLANNERS

APPROVED
 CADD FILE DATE: 03/30/2020
 SUBMITTAL DATE: 06/29/20
 SCALE: 1/4"=1'-0"
 BOARD APPROVAL DATE:

**EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - EASTRIDGE STATION
 STAIRS AND RAMP ELEVATIONS**

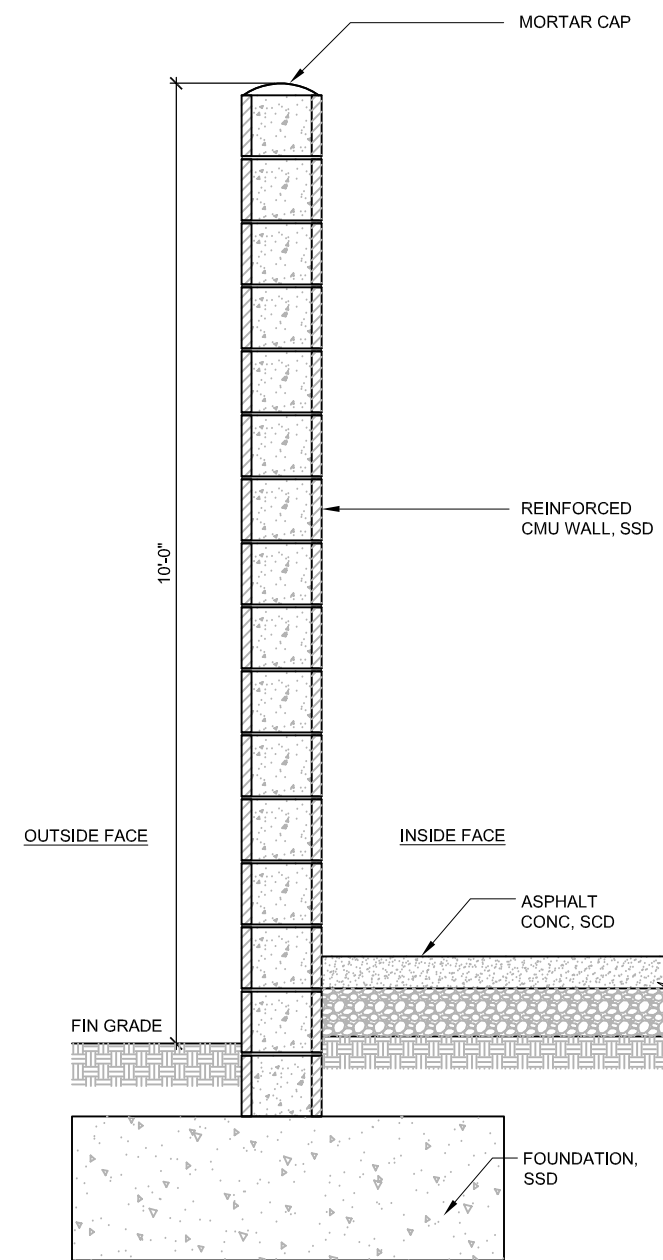
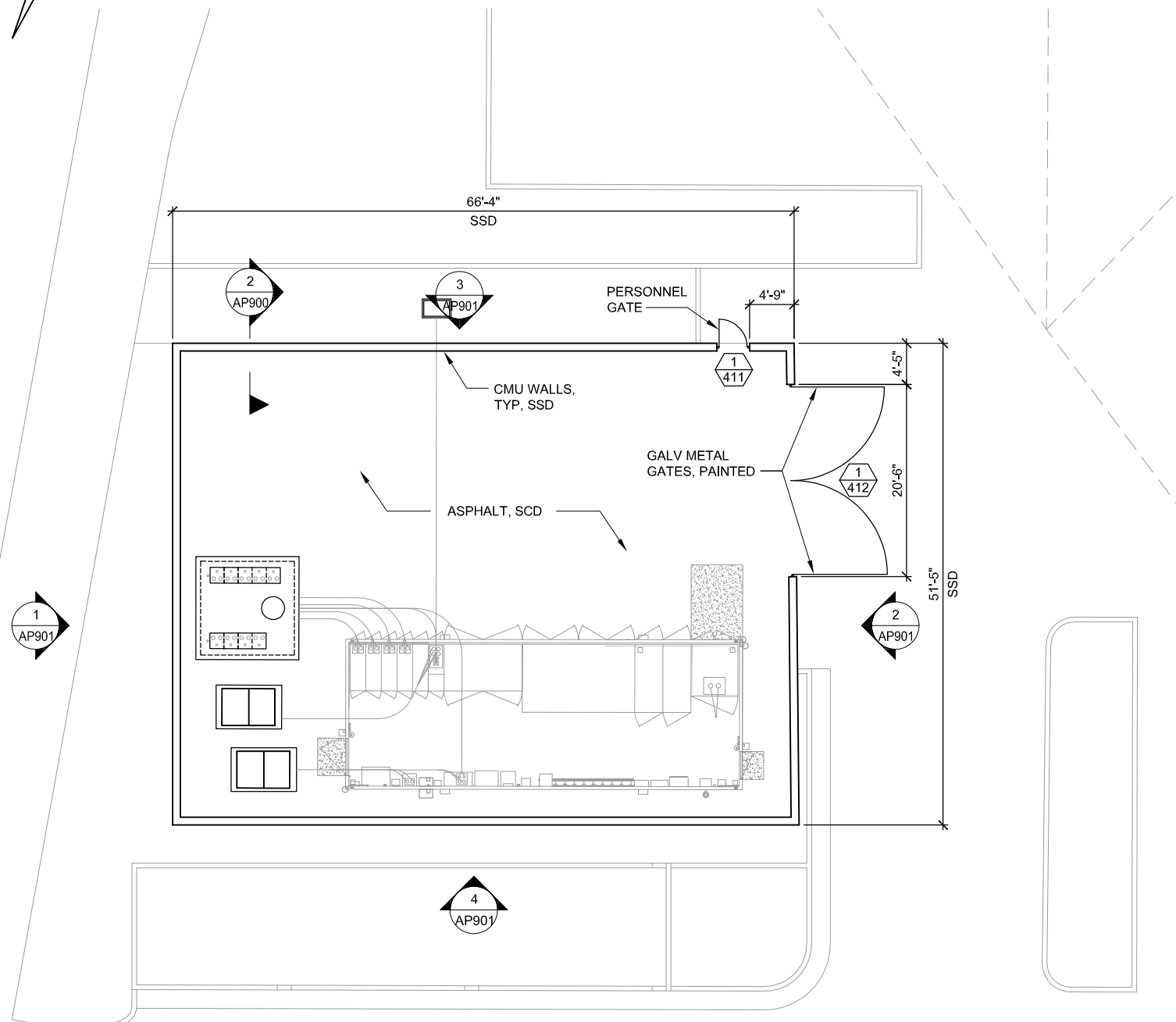
PCA NO. 000 CONTRACT NO. C802 FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. AP831
REVISION	B

**SHEET REVISIONS DEFERRED TO 100% -
CHANGE IN FENCE TYPE REQUIRE
COORDINATION WITH OTHER DISCIPLINES**

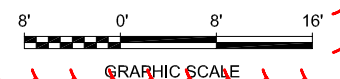
NOTES:

1. REFER TO ELECTRICAL CSD, SYSTEMS-TRACTION POWER AND UTILITIES RELOCATION DRAWINGS FOR LOCATION AND SCOPE WORK.
2. REFER CIVIL AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.



1 PLAN
AP900 SCALE: 1/8"=1'-0"

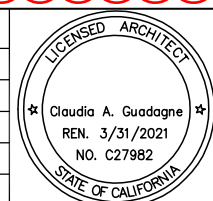
2 SECTION
AP900 SCALE: 1"=1'-0"



AP901
AP910
AP912

E:\Bplans Jun 20, 2020 - 4:21pm C:\cadd\lib\lpm\ebplans\west\lms\98371\801\AP900.dwg

NO.	DATE	REVISIONS
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A	06/18	35% SUBMITTAL SET



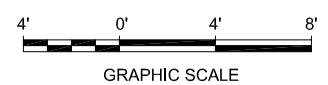
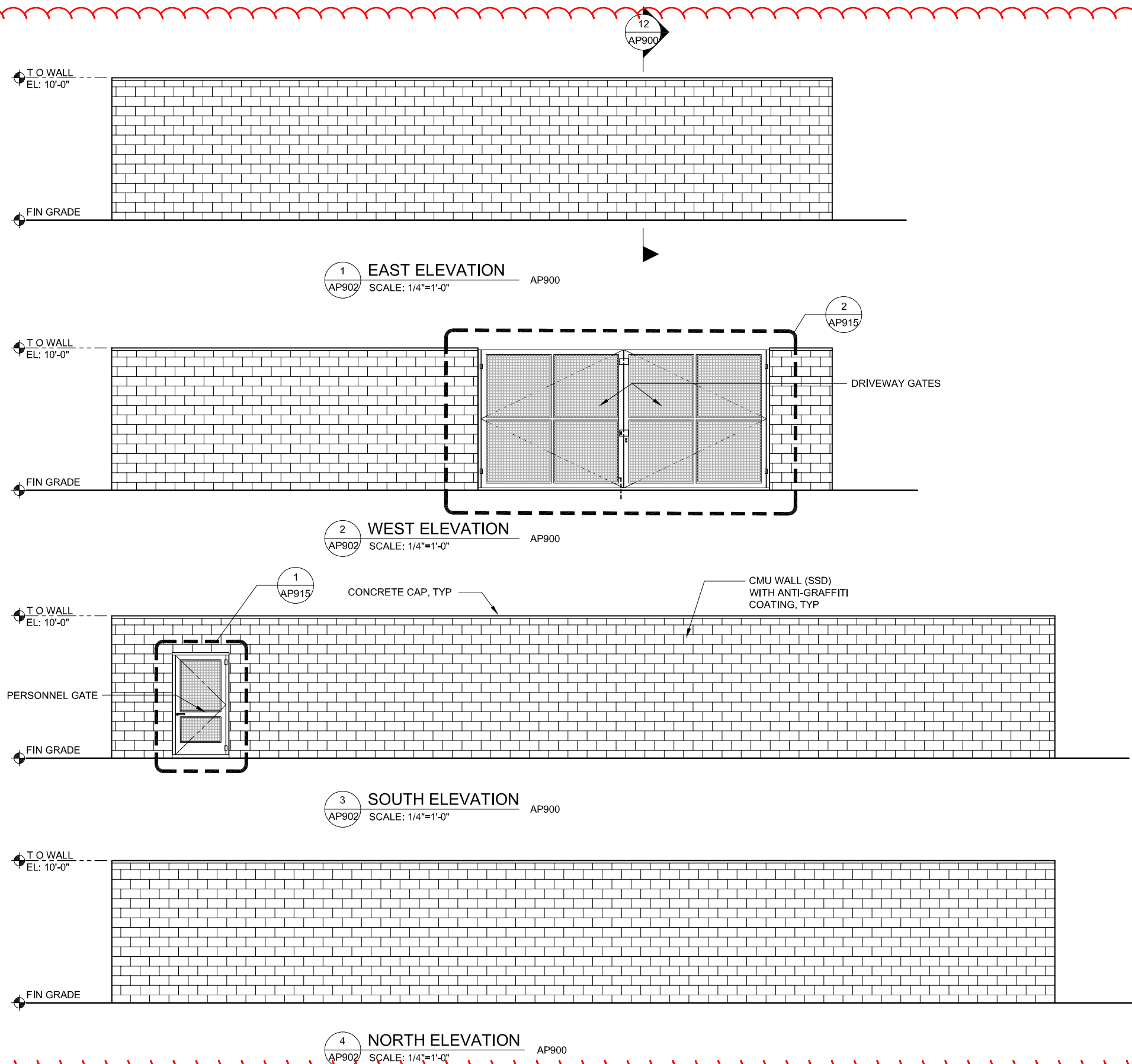
SUBMITTED		FMG ARCHITECTS 330 15TH STREET OAKLAND, CA 94612 510-465-8700 TEL www.fmgarchitects.com	
DESIGNED	M. Grindulo	CHECKED	C. Guadagne
DRAWN	L. Canlas	CADD FILE NAME	801AP900.DWG



APPROVED		BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	05/19/2020	SCALE	AS NOTED
SUBMITTAL DATE	06/29/20	BOARD APPROVAL DATE	

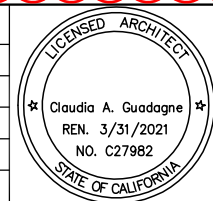
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL - EASTRIDGE STATION TPSS #34 SCREEN PLAN & SECTION			
PCA NO.	000	CONTRACT NO.	C801
FILE LOCATION	PROJECTWISE		
SHEET OF	AP900		
DRAWING NO.	AP900		
REVISION	C		

SHEET REVISIONS DEFERRED TO 100% -
CHANGE IN FENCE TYPE REQUIRE
COORDINATION WITH OTHER DISCIPLINES



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DESIGNED: M. Grindulo
CHECKED: R. Cu
DRAWN: L. Canlas
CADD FILE NAME: 801AP901.DWG

Santa Clara Valley Transportation Authority

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ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/19/2020
SCALE: 1/4"=1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

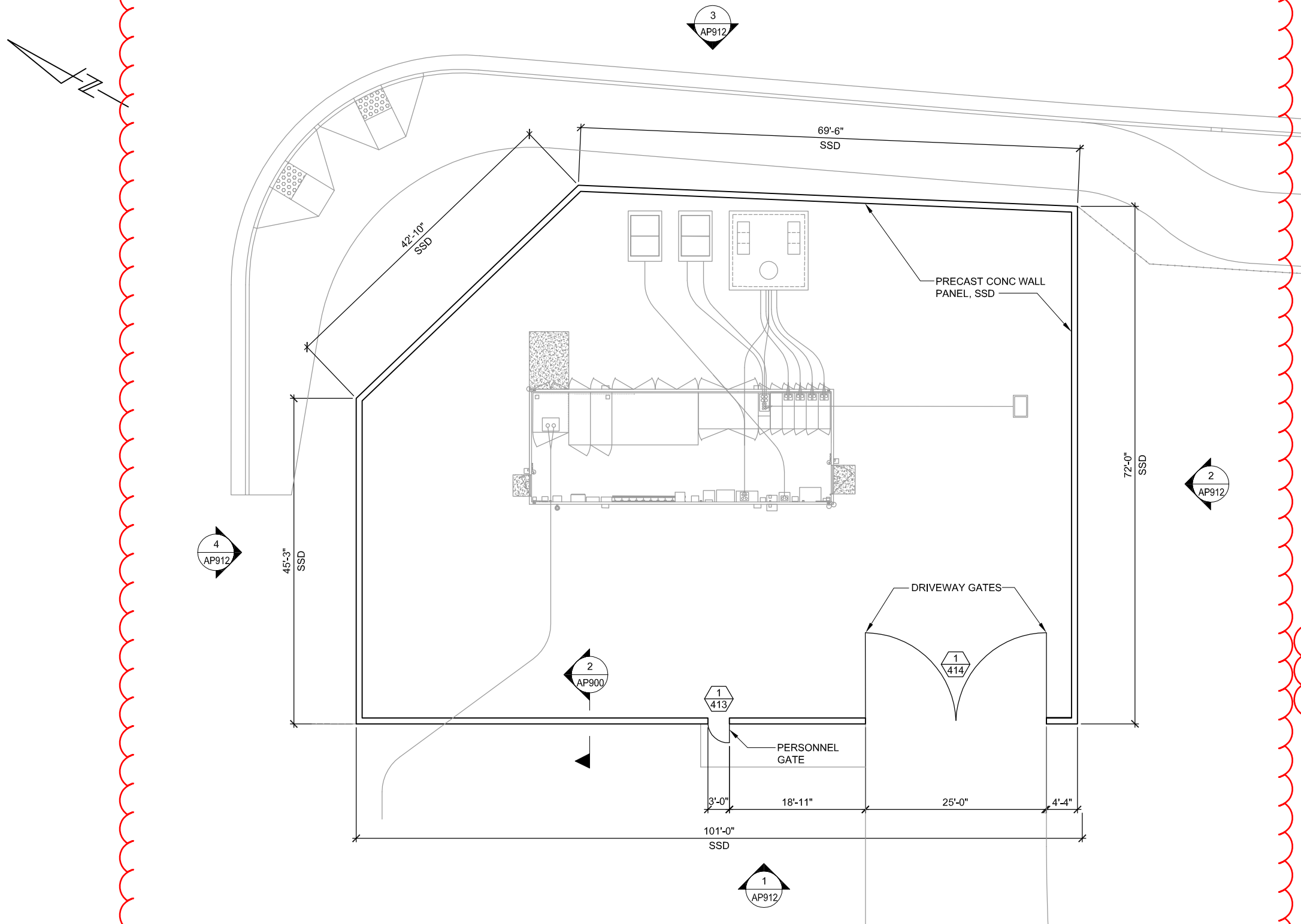
**EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - EASTRIDGE STATION
TPSS #34 SCREEN
ELEVATIONS**

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. AP901 REVISION C

NOTES:

1. REFER TO ELECTRICAL CSD, SYSTEMS-TRACTION POWER AND UTILITIES RELOCATION DRAWINGS FOR LOCATION AND SCOPE WORK.
2. REFER TO CIVIL AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
3. REFER TO AP568 FOR DOOR SCHEDULE.



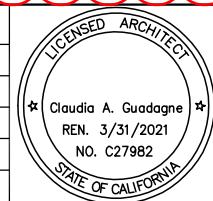
SHEET REVISIONS DEFERRED TO 100% - CHANGE IN FENCE TYPE REQUIRE COORDINATION WITH OTHER DISCIPLINES

1 PLAN
AP910 SCALE: 1/8"=1'-0"



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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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DESIGNED: M. Grindulo
CHECKED: C. Guadagne
DRAWN: L. Canlas
CADD FILE NAME: 801AP910.DWG

Santa Clara Valley Transportation Authority

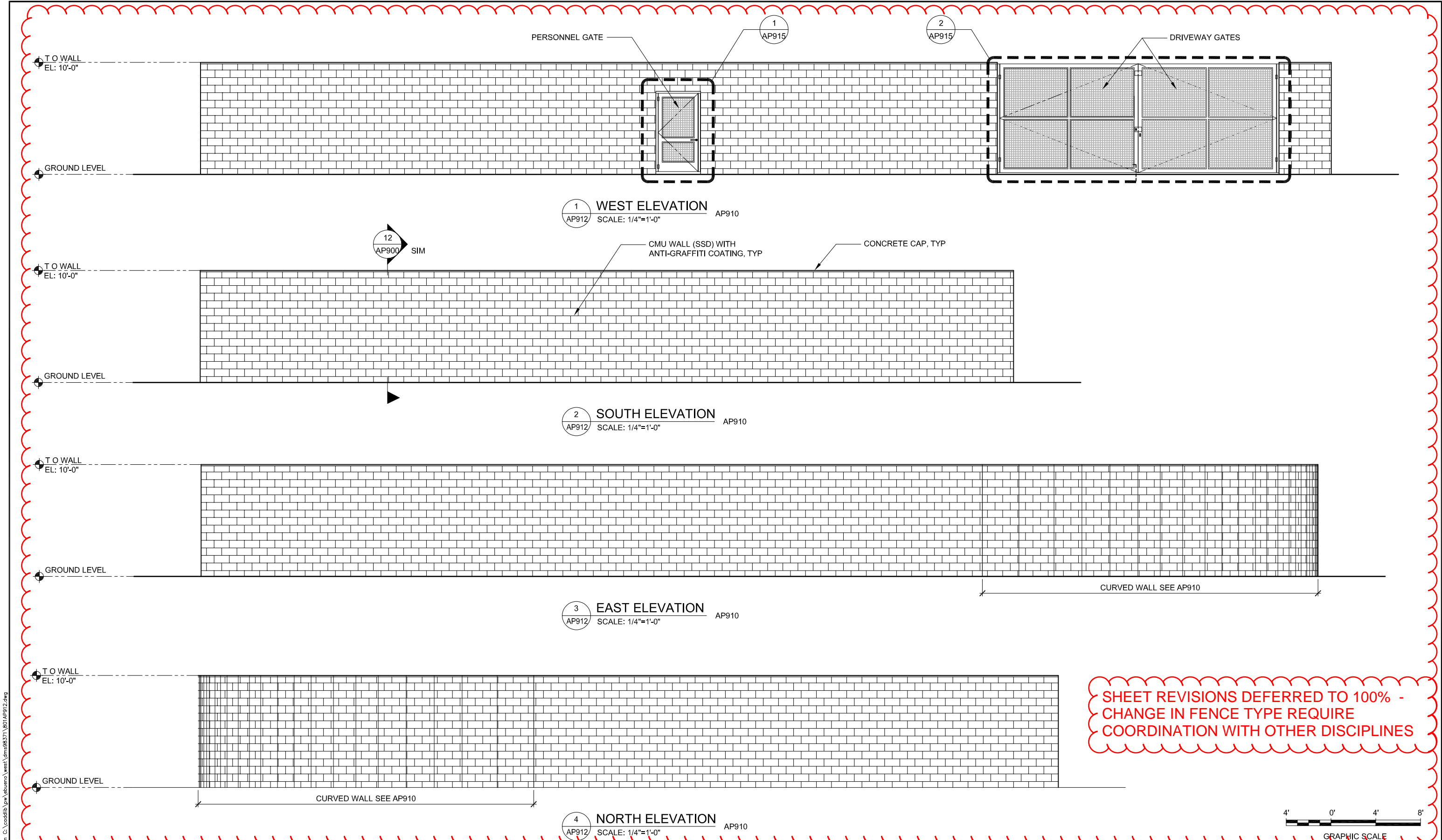
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/25/2020
SCALE: 1/8" = 1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - OCALA STATION
TPSS #33 SCREEN
PLAN

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. AP910 REVISION C

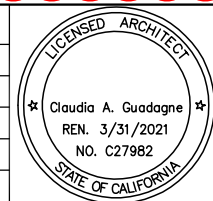


SHEET REVISIONS DEFERRED TO 100% - CHANGE IN FENCE TYPE REQUIRE COORDINATION WITH OTHER DISCIPLINES



EdBueno Jun 20, 2020 - 4:11pm C:\cadd\lib\lun\buena\west\luna98371\801AP912.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED

F&M ARCHITECTS
330 15TH STREET
OAKLAND, CA 94612
510-465-8700 TEL
www.fmgarchitects.com

DESIGNED: M. Grindulo
CHECKED: R. Cu
DRAWN: L. Canlas
CADD FILE NAME: 801AP912.DWG

Santa Clara Valley Transportation Authority

APPROVED

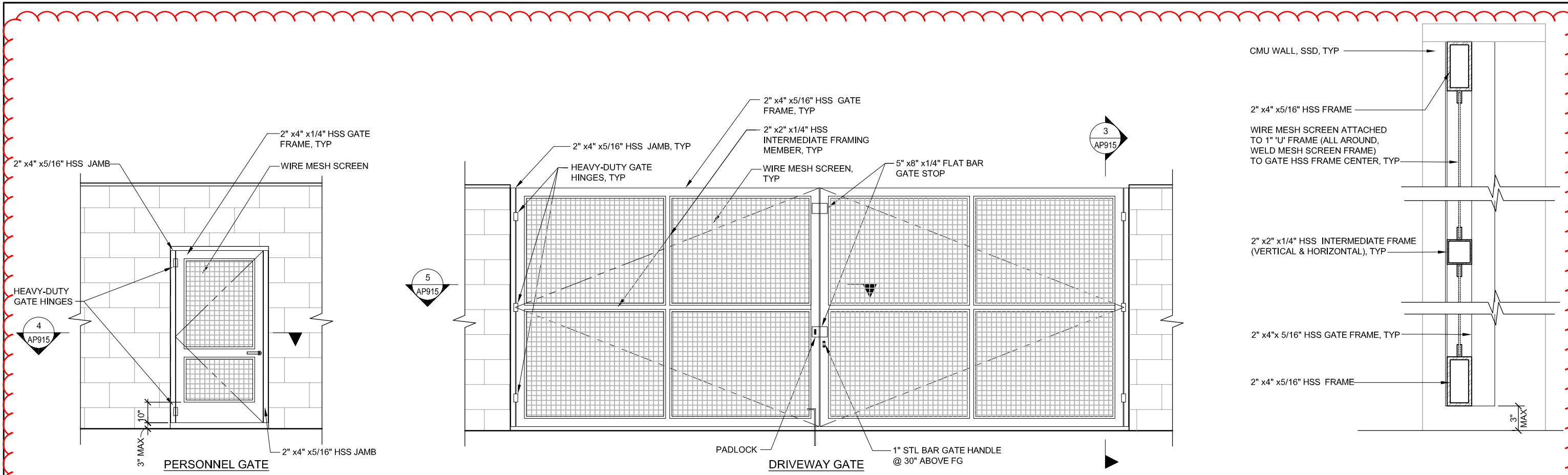
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/19/2020
SCALE: 1/4" = 1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - OCALA STATION
TPSS #33 SCREEN
ELEVATIONS

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. AP912 REVISION C

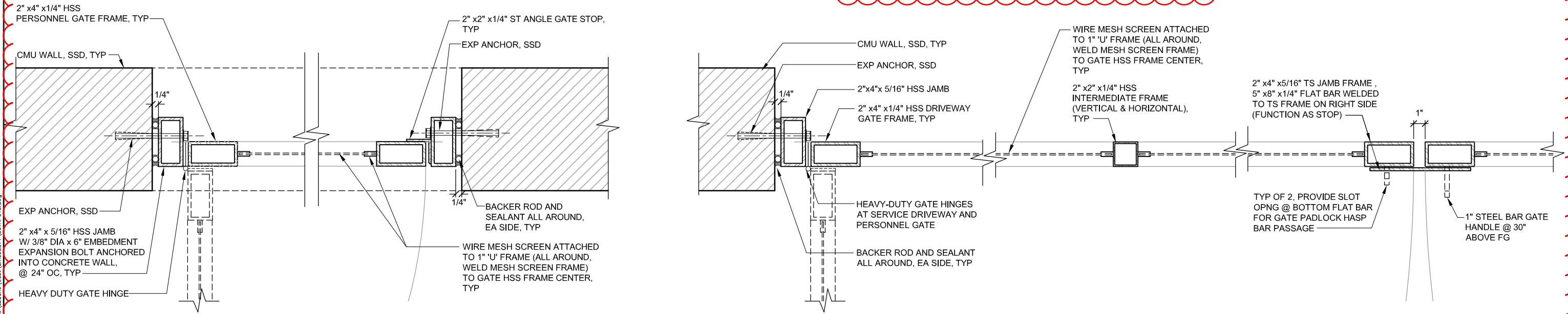


1 ELEVATION
AP915 SCALE: 1/2"=1'-0" AP901 AP912

2 ELEVATION
AP915 SCALE: 1/2"=1'-0" AP901 AP912

3 SECTION
AP915 SCALE: 3"=1'-0"

SHEET REVISIONS DEFERRED TO 100% -
CHANGE IN FENCE TYPE REQUIRE
COORDINATION WITH OTHER DISCIPLINES

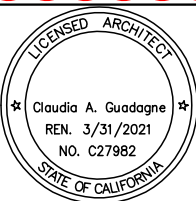


4 PERSONNEL GATE JAMB PLAN (HEAD SIM)
AP915 SCALE: 3"=1'-0"

5 DRIVEWAY GATE PLAN
AP915 SCALE: 3"=1'-0"

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET

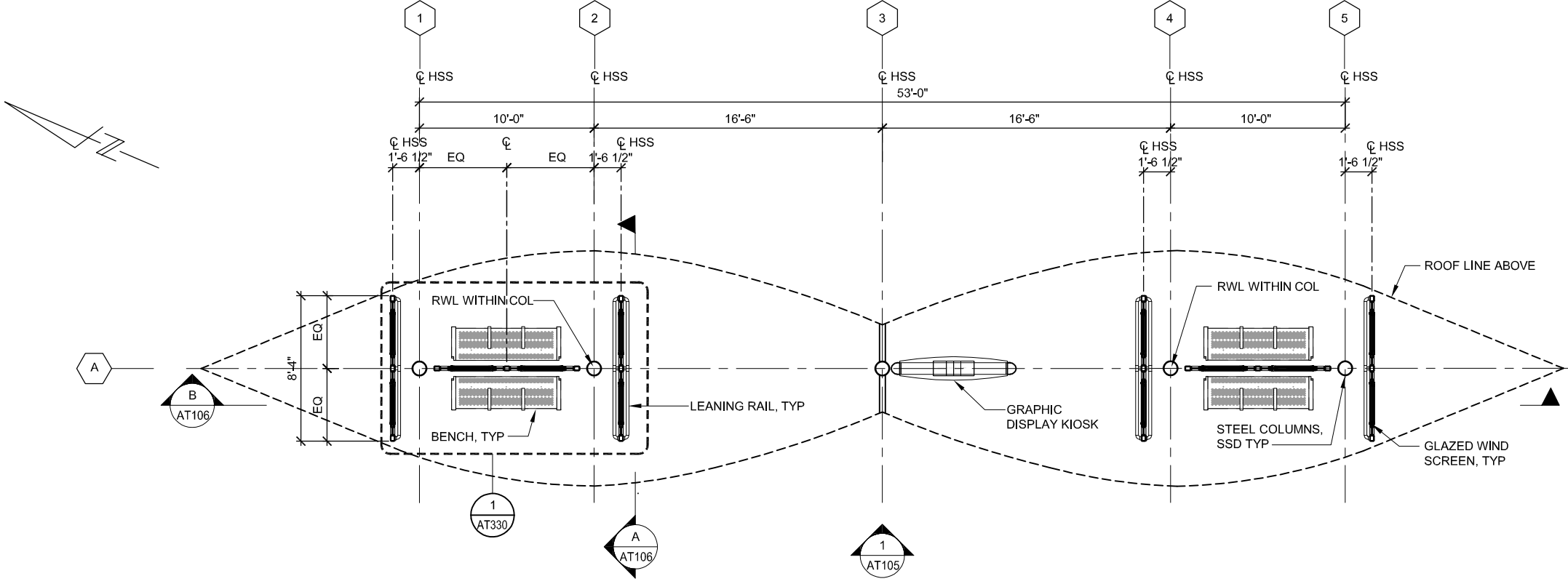


SUBMITTED		FMG ARCHITECTS 330 15TH STREET OAKLAND, CA 94612 510-465-8700 TEL www.fmgarchitects.com	
DESIGNED	M. Grindulo	CHECKED	R. Cu
DRAWN	L. Canlas	CADD FILE NAME	801AP915.DWG



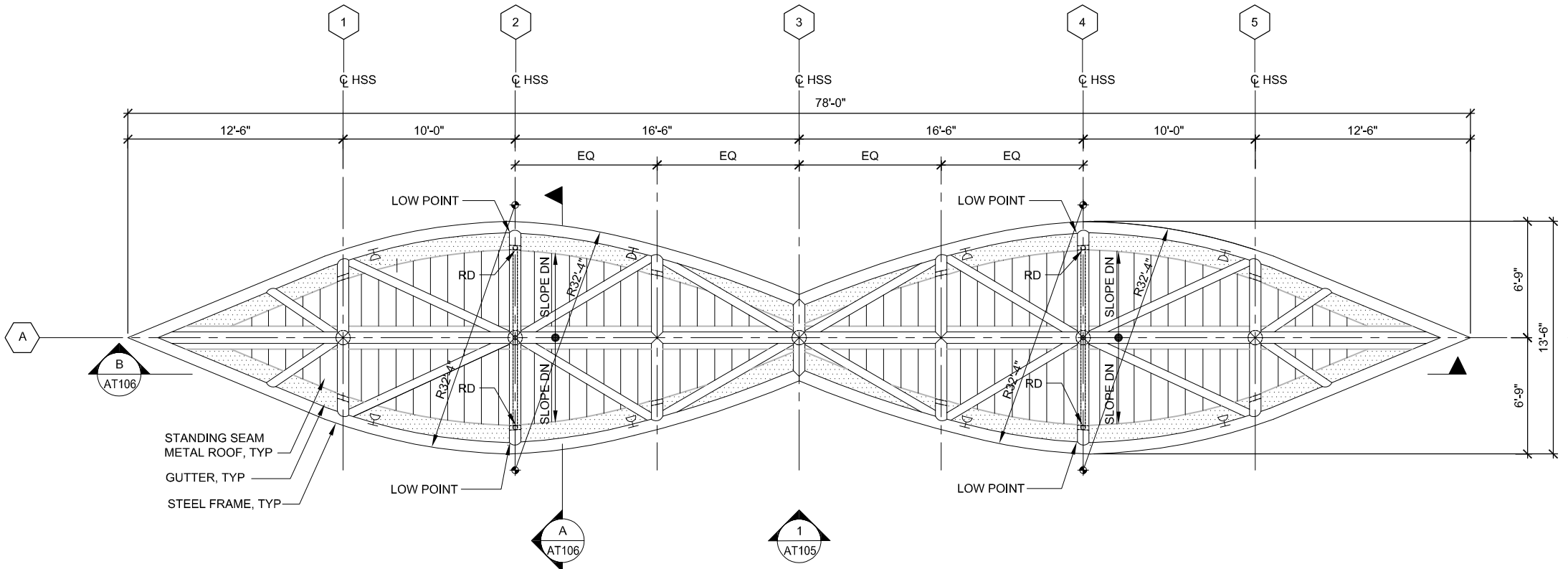
APPROVED		BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	03/30/2020	SCALE	AS NOTED
SUBMITTAL DATE	06/29/20	BOARD APPROVAL DATE	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL TYPICAL TPSS GATE DETAILS			SHEET OF DRAWING NO. AP915 REVISION A
PCA NO.	000	CONTRACT NO.	C801
FILE LOCATION	PROJECTWISE		



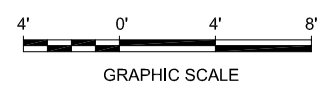
NOTE:
 1. REFER TO COMMUNICATIONS DRAWINGS FOR EQUIPMENT/DEVICES LAYOUT AND QUANTITIES

1 FLOOR PLAN
 AT104 SCALE: 1/4"=1'-0" AP503 AP802



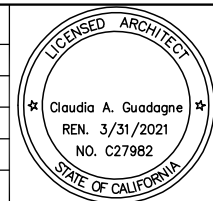
LEGEND:
 ⚡ UPLIGHT, SED

2 ROOF PLAN
 AT104 SCALE: 1/4"=1'-0"



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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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 DRAWN: L. Canlas
 CADD FILE NAME: 801AT104.DWG

Santa Clara Valley
Transportation Authority

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BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

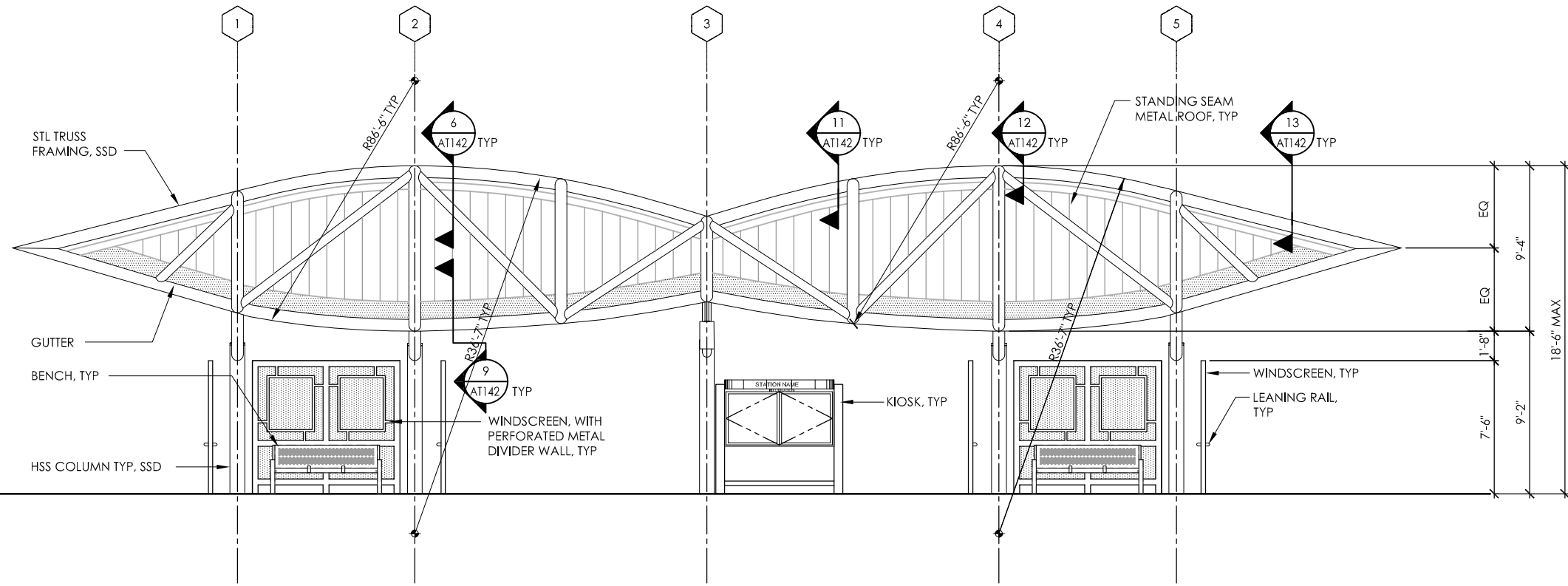
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 SUBMITTAL DATE: 06/29/20
 SCALE: 1/4"=1'-0"
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL
 SHELTER CANOPY
 FLOOR PLAN & ROOF PLAN

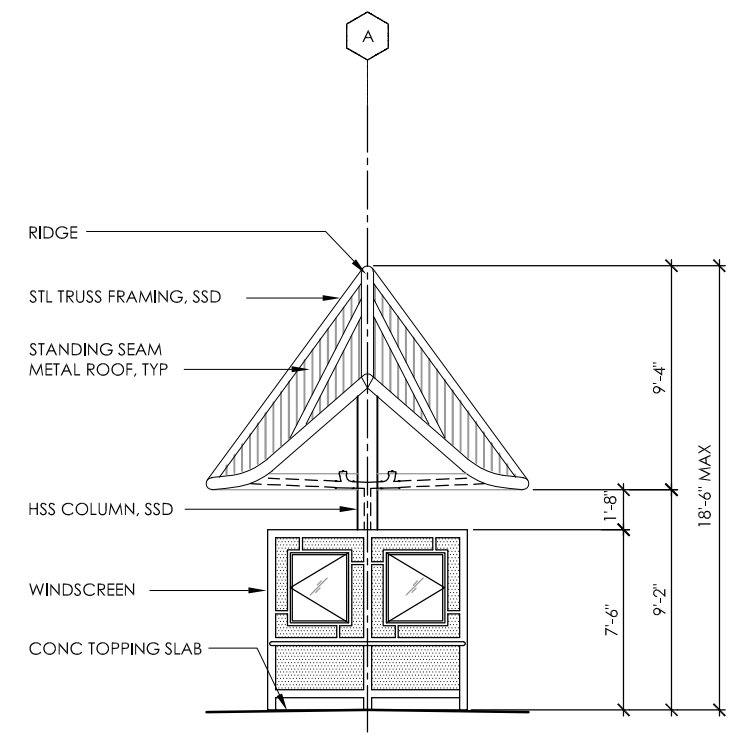
PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. AT104 REVISION C

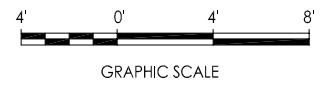
NOTES:
 1. REFER TO COMMUNICATIONS DRAWINGS FOR EQUIPMENT / DEVICES LAYOUT AND QUANTITIES



1 ELEVATION
 AT106 SCALE: 1/4"=1'-0" AT104



2 END ELEVATION
 AT106 SCALE: 1/4"=1'-0" AT104



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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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 CHECKED: C. Guadagne
 DRAWN: L. Canlas
 CADD FILE NAME: 801AT105.DWG



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 ENGINEERS / SURVEYORS / PLANNERS

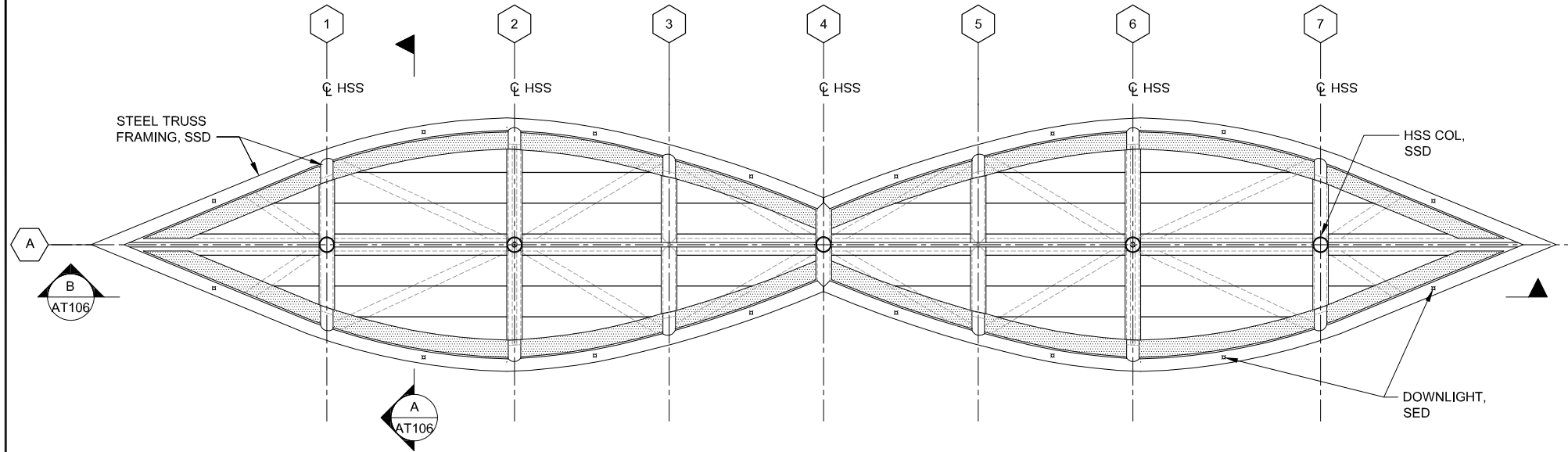
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 SCALE: 1/4"=1'-0"
 SUBMITTAL DATE: 06/29/2020
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT

ARCHITECTURAL
 TYPICAL SHELTER CANOPY
 ELEVATIONS

PCA NO.:
 CONTRACT NO.: (A###) C801
 FILE LOCATION: FDP/ProjectDeliverables/C801/02/25

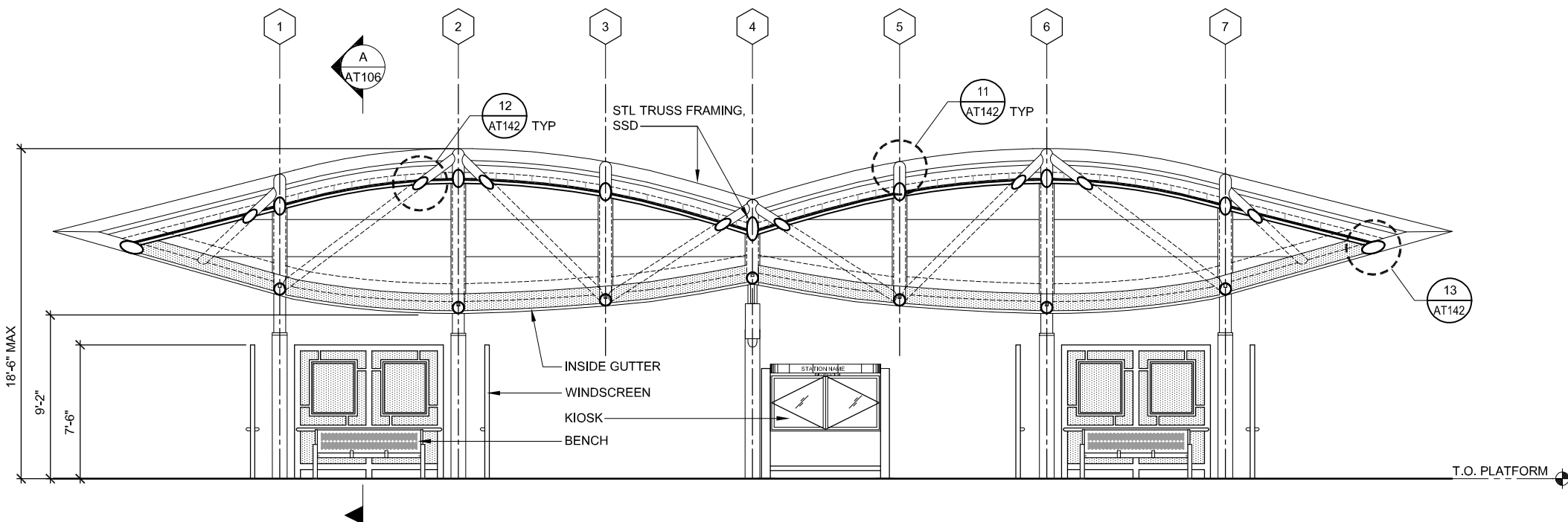
SHEET OF
 DRAWING NO. AT105
 REVISION C



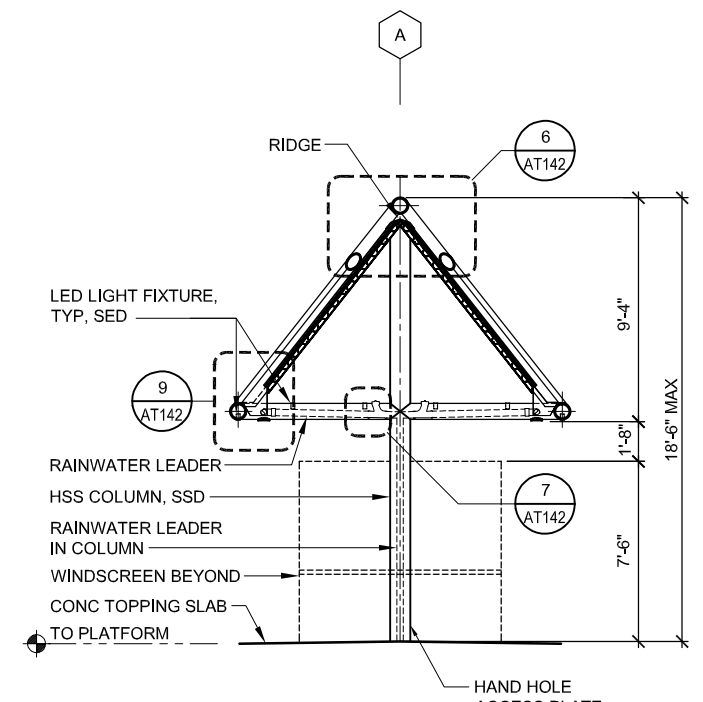
1 REFLECTED CEILING PLAN
SCALE 1/4"=1'-0"

NOTES:
1. REFER TO COMMUNICATIONS DRAWINGS FOR EQUIPMENT / DEVICES LAYOUT AND QUANTITIES

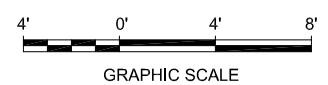
LEGEND:
○ DOWNLIGHT, SED



B LONGITUDINAL SECTION
SCALE 1/4"=1'-0"

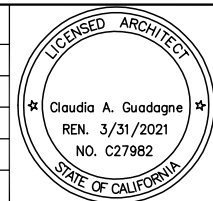


A CROSS SECTION
SCALE 1/4"=1'-0"



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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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DRAWN: L. Canlas

CHECKED: R. Cu
CADD FILE NAME: 801AT106.DWG

Santa Clara Valley
Transportation
Authority

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

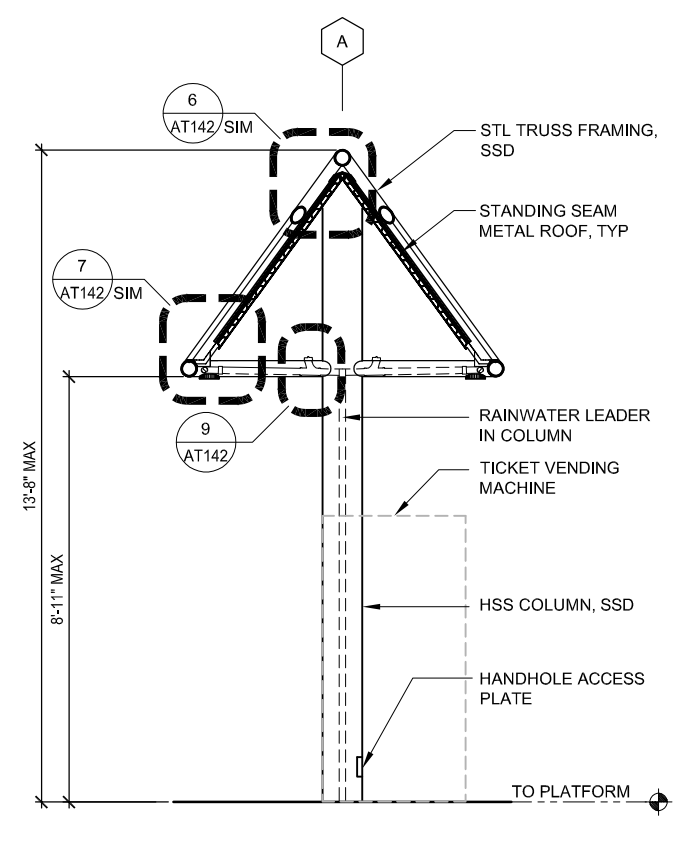
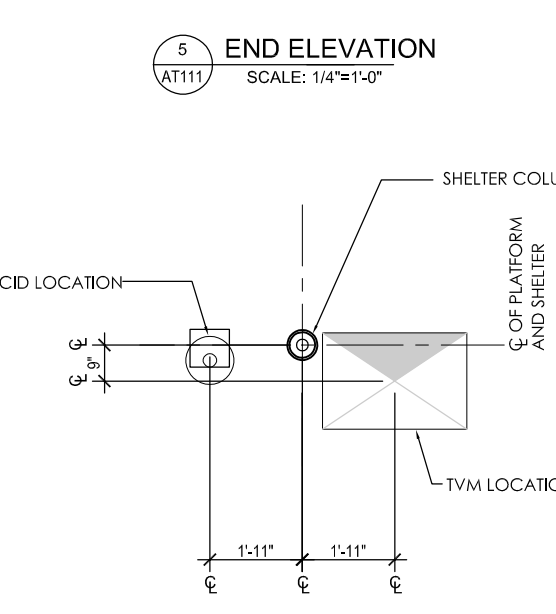
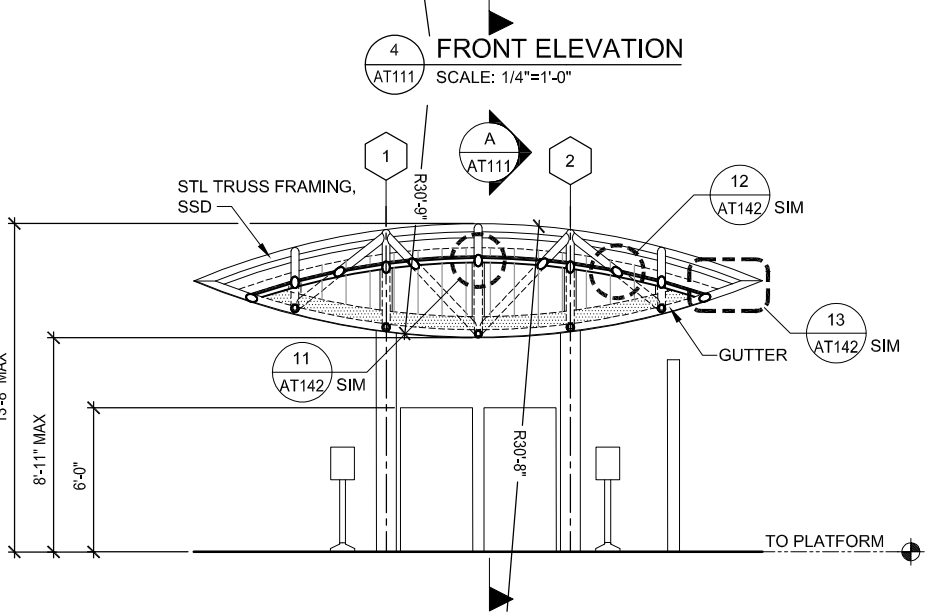
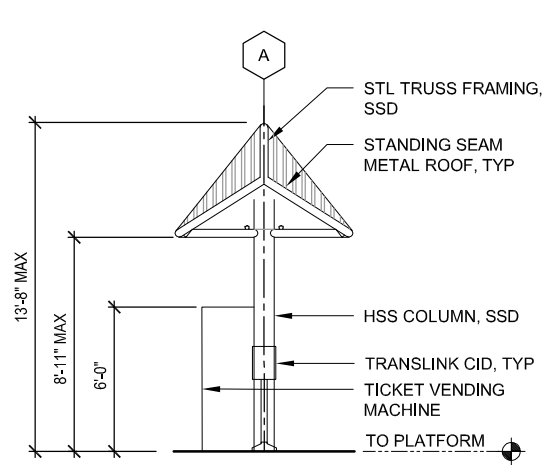
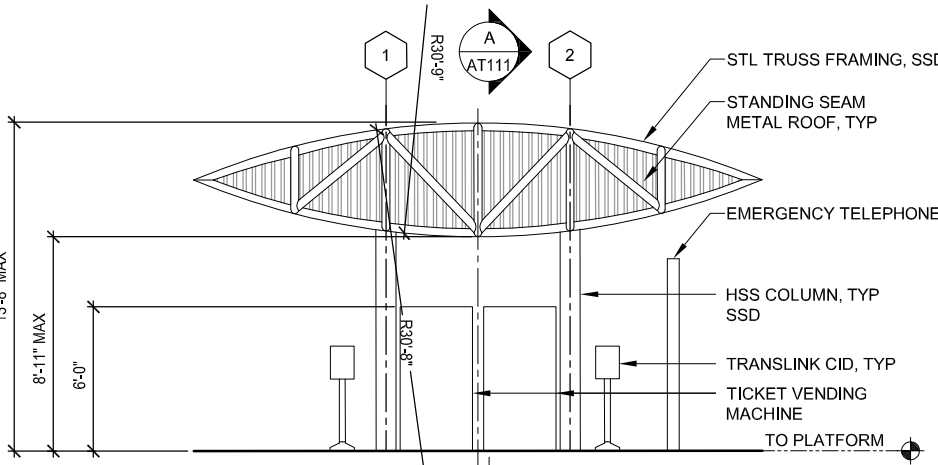
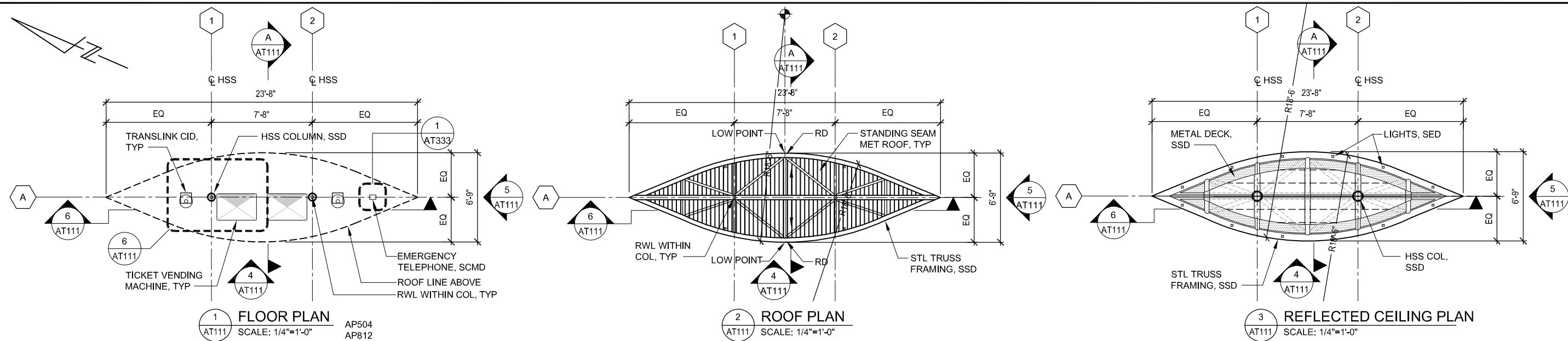
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SUBMITTAL DATE: 06/29/20

SCALE: 1/4"=1'-0"
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL
SHELTER CANOPY
REFLECTED CEILING PLAN & SECTIONS

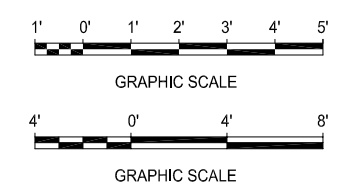
PCA NO. 000 CONTRACT NO. [A###] C801 FILE LOCATION PROJECTWISE

SHEET OF	AT106
DRAWING NO.	AT106
REVISION	C



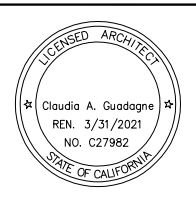
NOTE:
 1. REFER TO COMMUNICATIONS DRAWINGS FOR EQUIPMENT/DEVICES LAYOUT AND QUANTITIES.
 2. PAINT ALL EXPOSED STEEL

LEGEND:
 □ DOWNLIGHT, SED
 ▽ UPLIGHT, SED



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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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 330 15TH STREET
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DESIGNED: M. Grindulo
 CHECKED: C. Guadagne
 DRAWN: L. Canlas
 CADD FILE NAME: 801AT111.DWG

Santa Clara Valley Transportation Authority

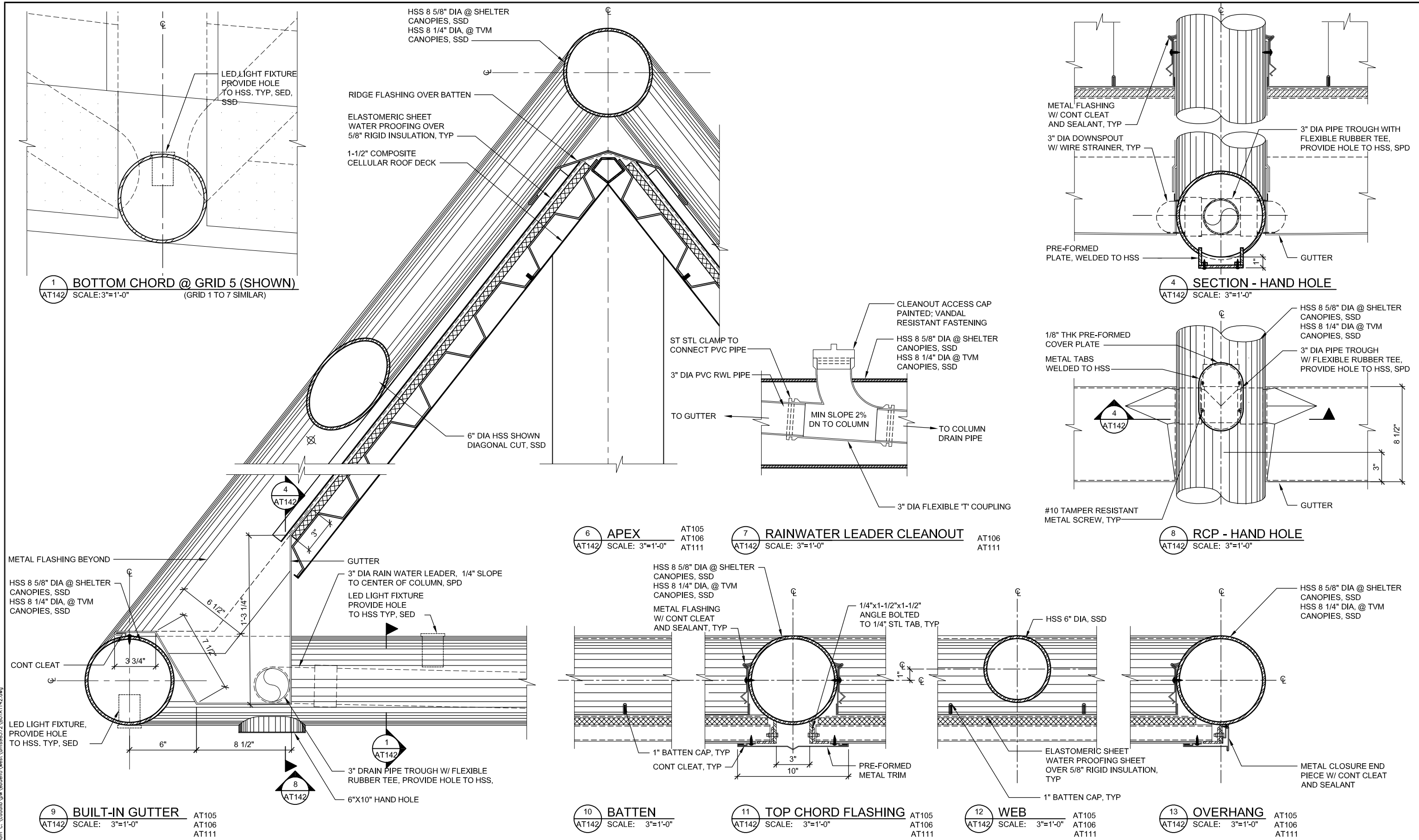
APPROVED

BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/22/2020
 SCALE: AS NOTED
 SUBMITTAL DATE: 06/29/2020
 BOARD APPROVAL DATE:

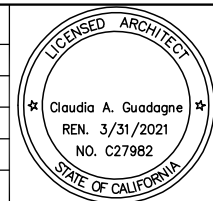
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL
 TVM SHELTER CANOPY
 PLANS, SECTIONS, & ELEVATIONS

PCA NO.: CONTRACT NO.: C801 FILE LOCATION:
 SHEET OF: AT111 REVISION: C



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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



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330 15TH STREET
OAKLAND, CA 94612
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DRAWN: M. Grindulo
CADD FILE NAME: 801A1142.DWG

Santa Clara Valley
Transportation Authority

APPROVED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

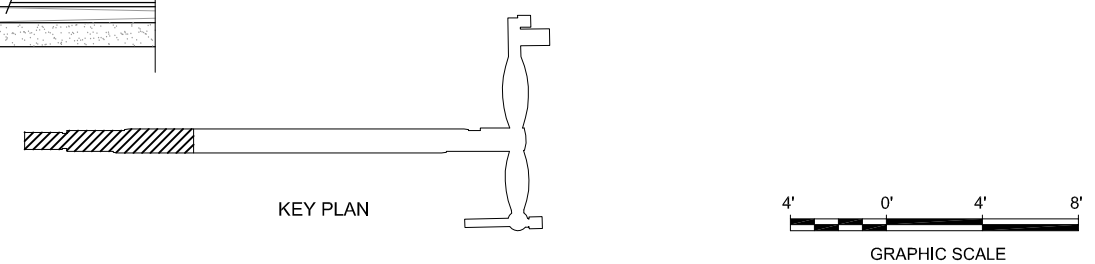
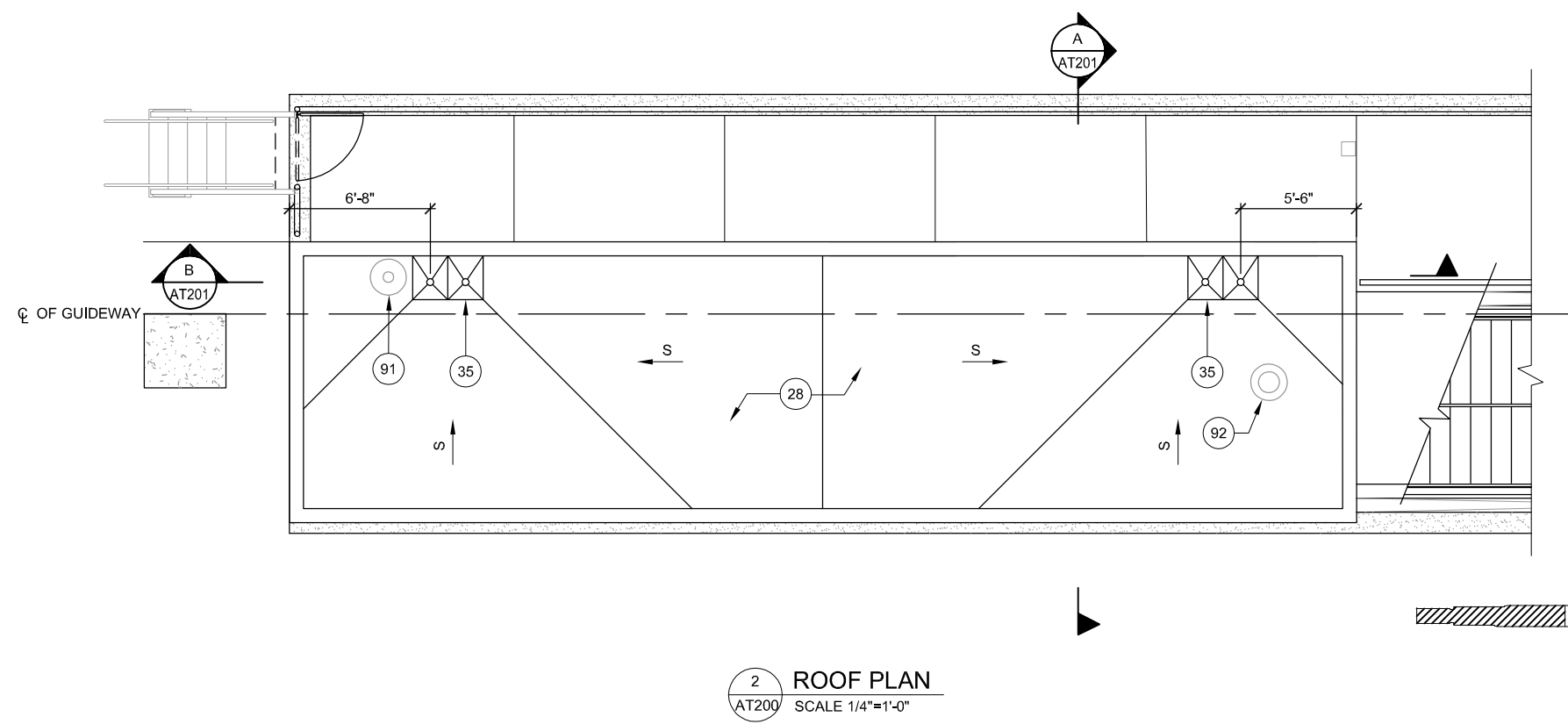
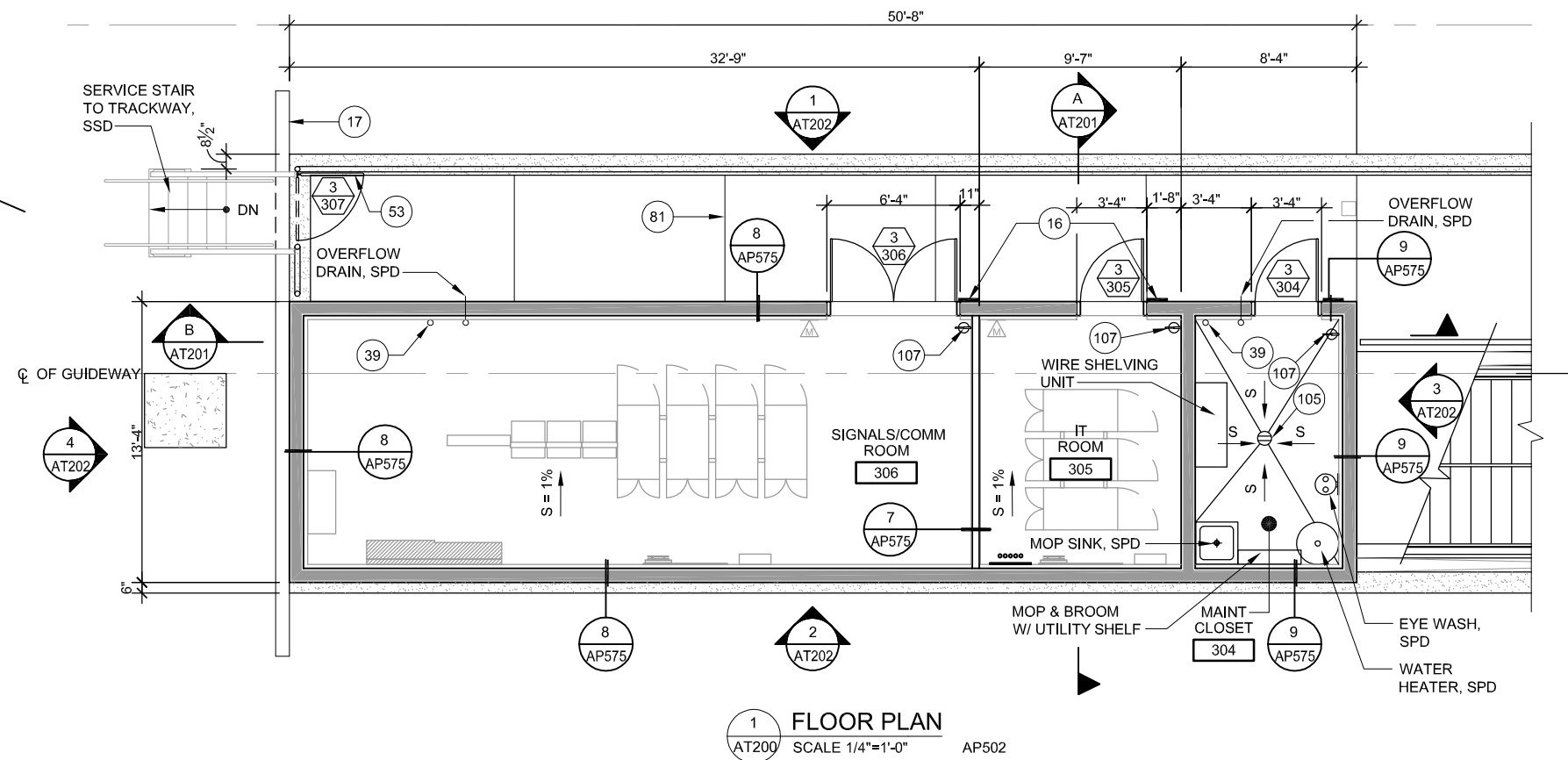
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SCALE: AS NOTED
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT

ARCHITECTURAL
SHELTER CANOPY
DETAILS

PCA NO. 000
CONTRACT NO. [A###] C801
FILE LOCATION PROJECTWISE

SHEET OF
DRAWING NO. AT142
REVISION A



- NOTE:**
- REFER TO COMMUNICATIONS, SIGNALS, ELECTRICAL AND PLUMBING DRAWINGS FOR EQUIPMENT / DEVICES LAYOUT AND QUANTITIES.
 - REFER TO AP568 FOR DOOR SCHEDULE
 - REFER TO AP569 FOR FINISH SCHEDULE
- KEY NOTES:**

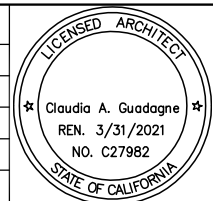
- 16 SIGN, SWD
- 17 SEISMIC JOINT, SSD
- 28 PVC SINGLE-PLY ROOFING OVER RIGID INSULATION
- 35 ROOF DRAIN AND OVERFLOW DRAIN, SPD
- 39 RAIN WATER LEADER
- 53 SERVICE GATE
- 81 CONTROL JOINT, TYP
- 91 GRAVITY INTAKE VENT, SMD
- 92 GRAVITY EXHAUST VENT, SMD
- 105 FLOOR DRAIN, SPD
- 107 FIRE EXTINGUISHER

LEGEND:

CONC WALL, 2 HR RATED, SSD

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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OAKLAND, CA 94612
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DRAWN: L. Canlas
CADD FILE NAME: 801AT200.DWG

Santa Clara Valley
Transportation Authority

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BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/22/2020
SCALE: 1/4"=1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - STORY STATION
SIGNALS/COMM HOUSE
FLOOR PLAN & ROOF PLAN

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

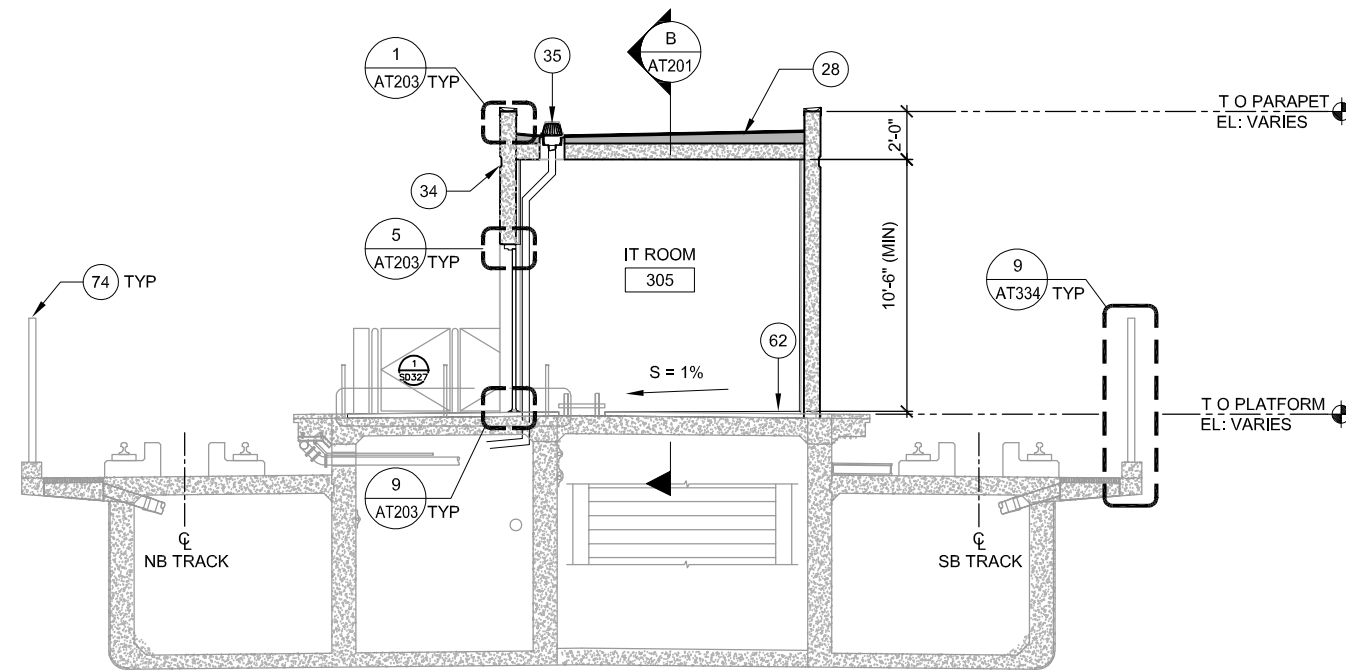
SHEET OF DRAWING NO. AT200 REVISION B

NOTE:

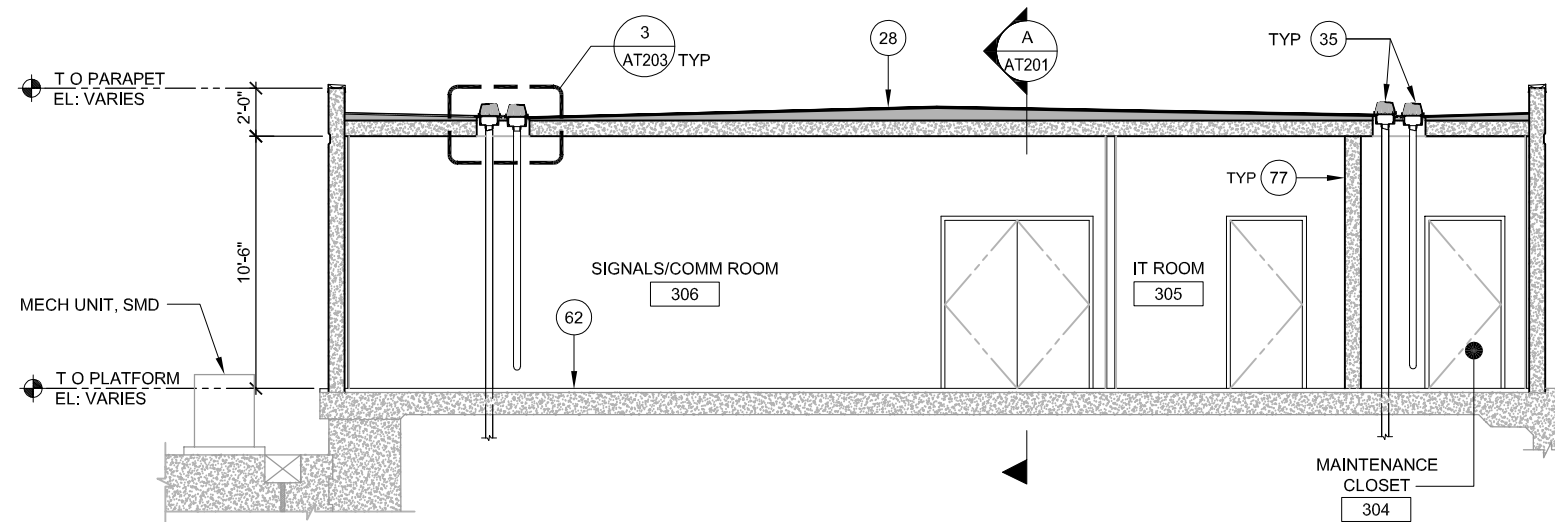
1. SEE AT200 FOR ADDITIONAL INFORMATION.

KEY NOTES:

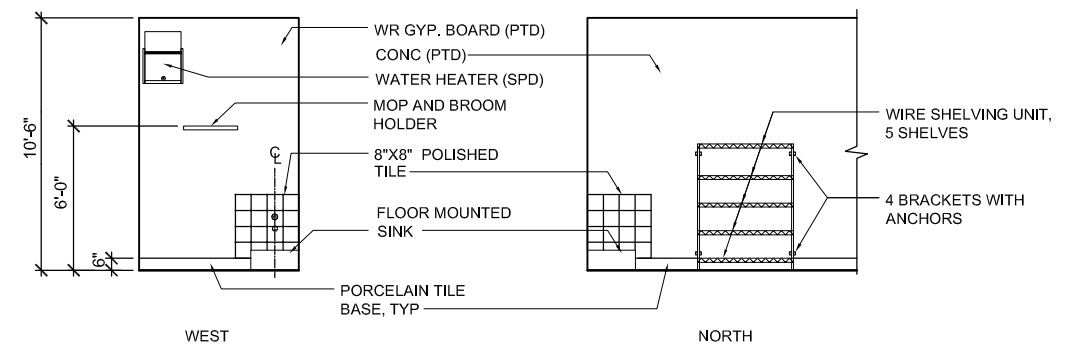
- 28 PVC SINGLE-PLY ROOF OVER RIGID INSULATION
- 34 REVEAL, SSD
- 35 ROOF DRAIN AND OVERFLOW DRAIN, SPD
- 62 CONCRETE TOPPING SLAB
- 74 ORNAMENTAL FENCE, 6'-0" HIGH
- 77 CONCRETE WALL, SSD



A SECTION
AT201 SCALE 1/4"=1'-0" AT200



B SECTION
AT201 SCALE 1/4"=1'-0" AT200

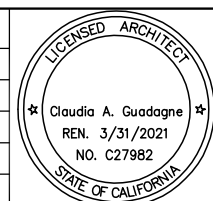


C ELEVATIONS - MAINT CLOSET
AT201 SCALE 1/4"=1'-0"



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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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CHECKED: R. Cu
DRAWN: L. Canlas
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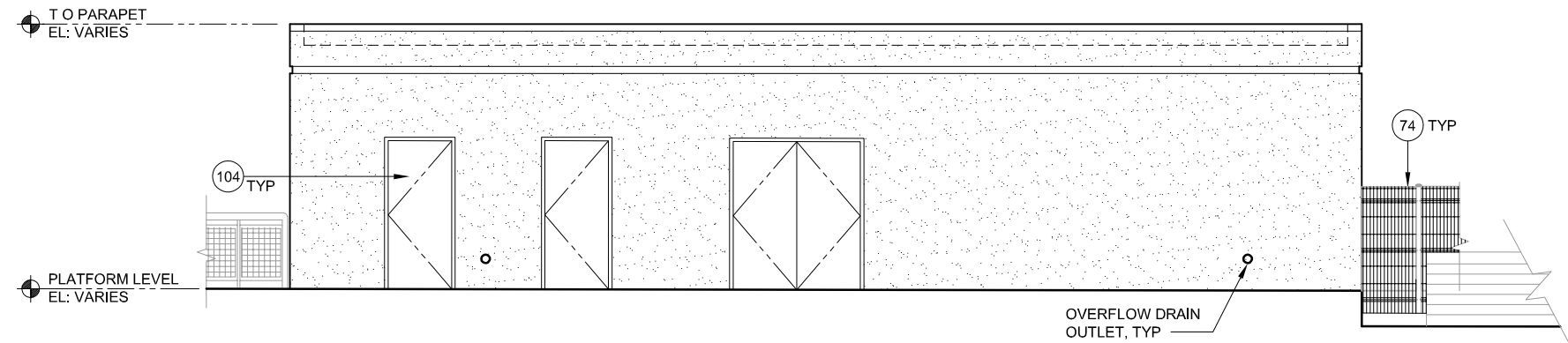
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/22/2020
SCALE: 1/4"=1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

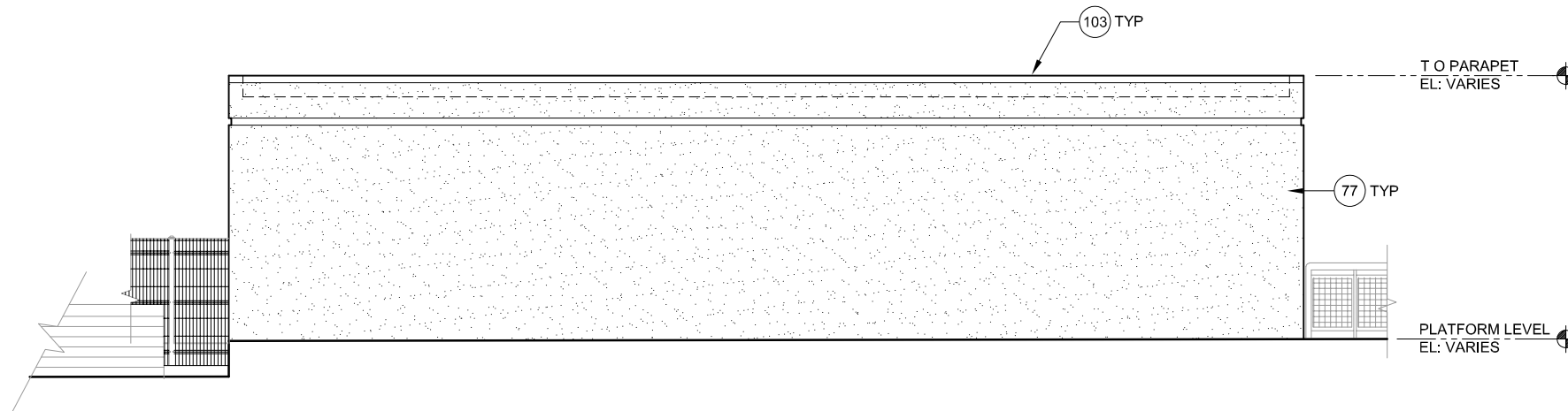
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - STORY STATION
SIGNALS / COMM HOUSE
SECTIONS

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

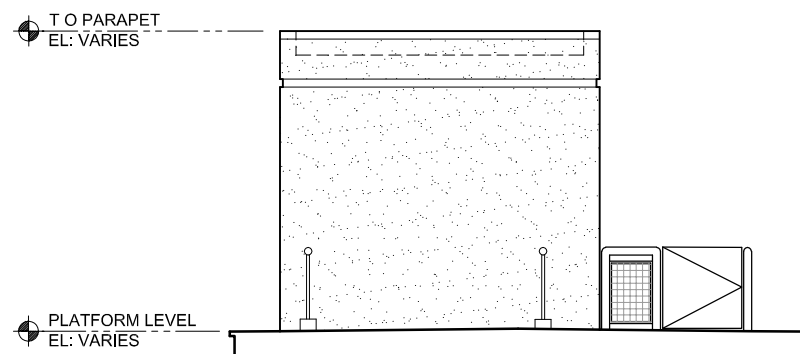
SHEET OF	AT201
DRAWING NO.	AT201
REVISION	C



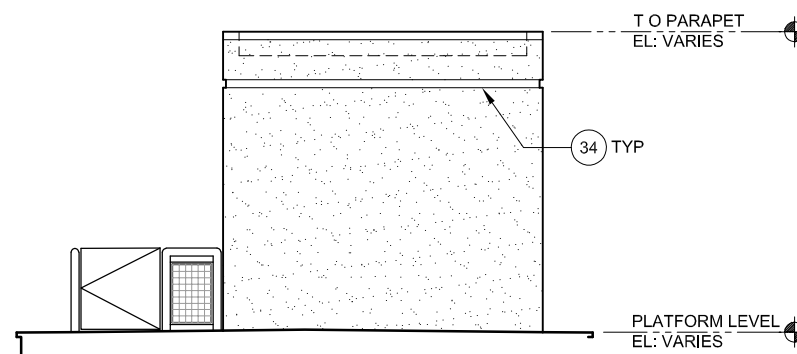
1 EAST ELEVATION
AT202 SCALE 1/4"=1'-0" AT200



2 WEST ELEVATION
AT202 SCALE 1/4"=1'-0" AT200



3 SOUTH ELEVATION
AT202 SCALE 1/4"=1'-0" AT200



4 NORTH ELEVATION
AT202 SCALE 1/4"=1'-0" AT200

NOTE:

- 1. SEE AT200 FOR ADDITIONAL INFORMATION.

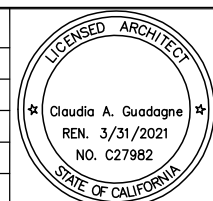
KEY NOTES:

- 34 REVEAL, SSD
- 74 ORNAMENTAL FENCE, 6'-0" HIGH
- 77 CONCRETE WALL, SSD
- 103 BREAK METAL SHAPED COPING
- 104 HOLLOW METAL DOOR AND FRAME



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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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OAKLAND, CA 94612
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DESIGNED: M. Grindulo
CHECKED: R. Cu
DRAWN: L. Canlas
CADD FILE NAME: 801AT202.DWG

Santa Clara Valley Transportation Authority

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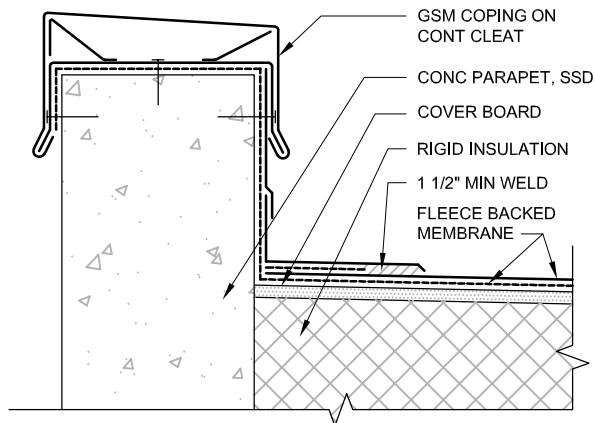
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 05/21/2020
SCALE: 1/4"=1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - STORY STATION
SIGNALS/COMM HOUSE
EXTERIOR ELEVATIONS

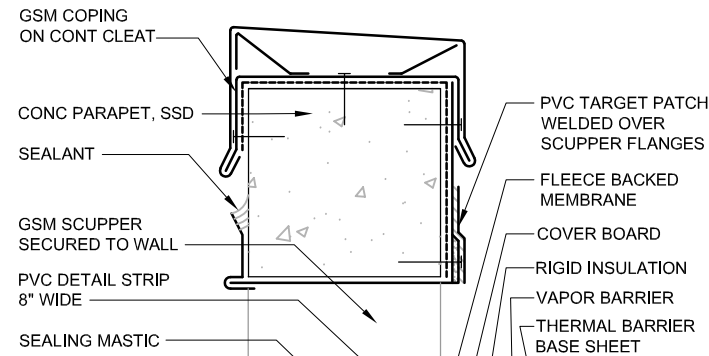
PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. AT202 REVISION B



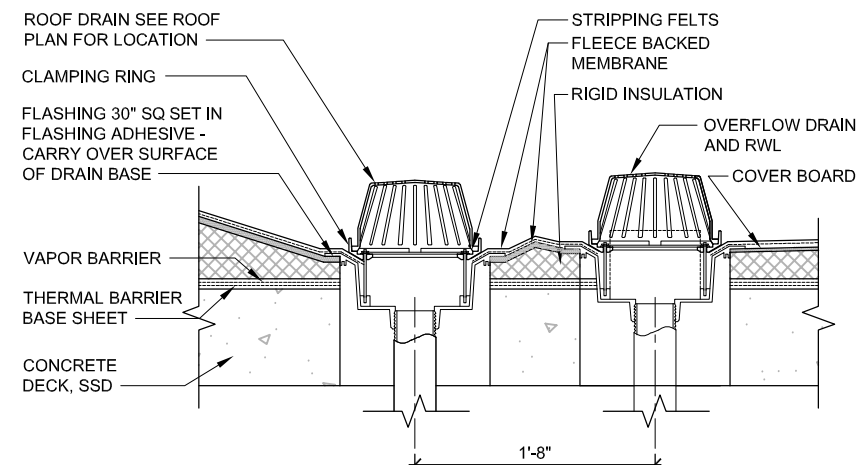
1 PARAPET DETAIL
AT203 SCALE 3"=1'-0"

AT201 AT207
AT206



6 SCUPPER DETAIL
AT203 SCALE 3"=1'-0"

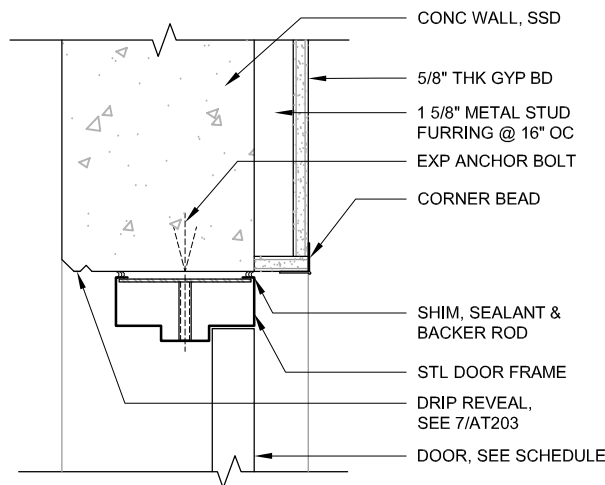
AT206



3 ROOF DRAIN AND OVERFLOW
AT203 SCALE 1 1/2"=1'-0"

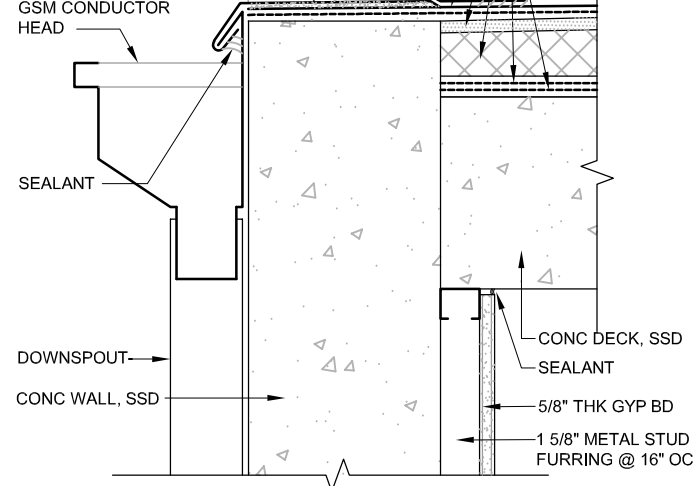
AT201

NOTE:
OVERFLOW DRAIN TO BE INSTALLED
2" ABOVE ROOF DRAIN



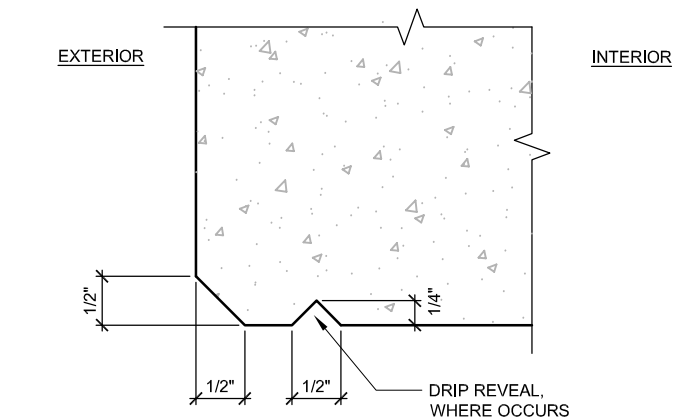
5 HEAD / JAMB DETAIL
AT203 SCALE 3"=1'-0"

AT201
AT206

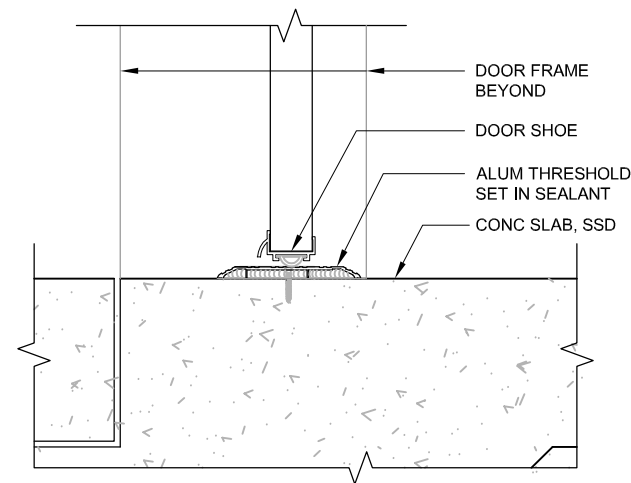


10 SPLASH BLOCK / DOWNSPOUT DETAIL
AT203 SCALE 3"=1'-0"

AT206

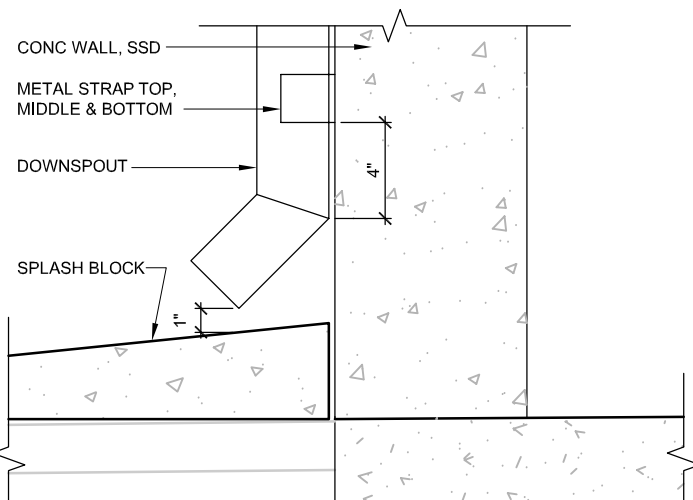


7 DRIP REVEAL
AT203 SCALE 1"=1'-0"

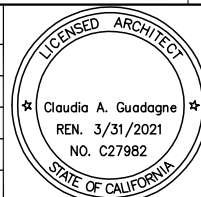


9 THRESHOLD DETAIL
AT203 SCALE 3"=1'-0"

AT201
AT206



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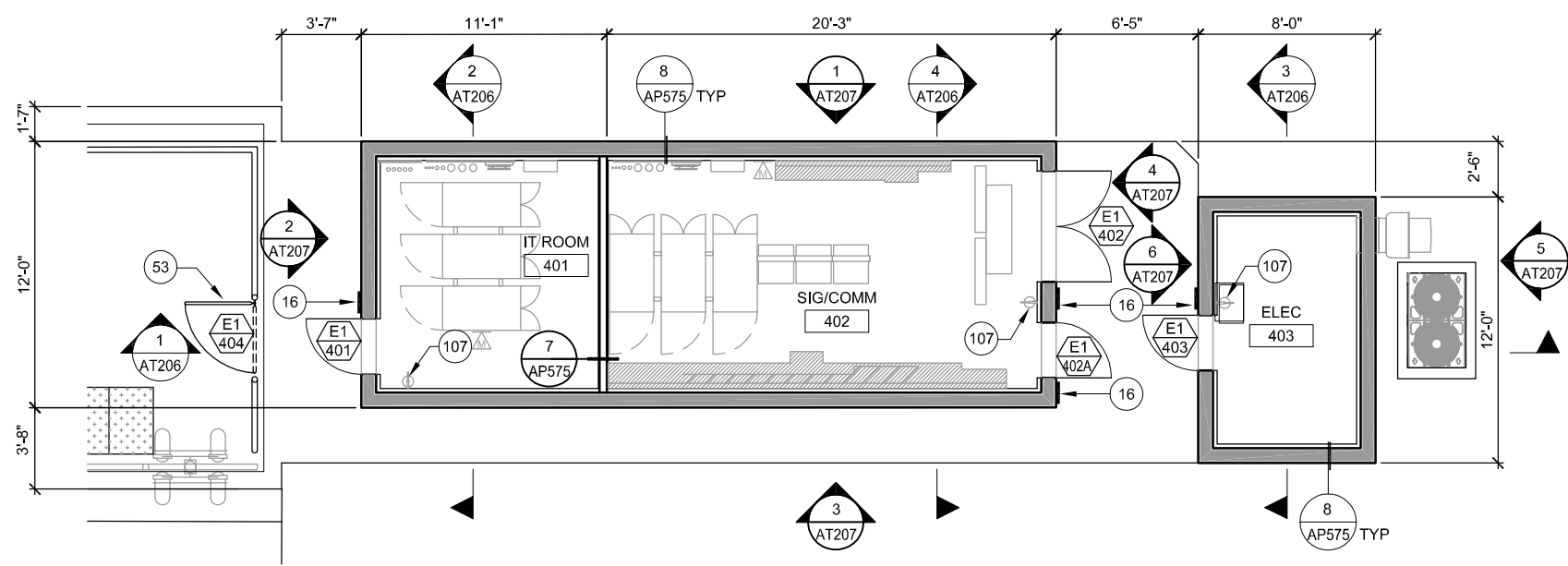
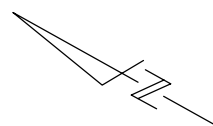
SUBMITTED		 330 15TH STREET OAKLAND, CA 94612 510-465-8700 TEL www.fmgarchitects.com	
DESIGNED	M. GRINDULO	CHECKED	R. CU
DRAWN	L. CANLAS	CADD FILE NAME	801AT203.DWG



APPROVED		 ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	05/22/2020	SCALE	AS NOTED
SUBMITTAL DATE	06/29/20	BOARD APPROVAL DATE	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL STORY STATION SIGNALS/COMMUNICATION HOUSE EXTERIOR DETAILS			SHEET OF DRAWING NO. AT203 REVISION A
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	{A###} C801	PROJECTWISE	

A	06/20	95% SUBMITTAL SET
NO.	DATE	REVISIONS

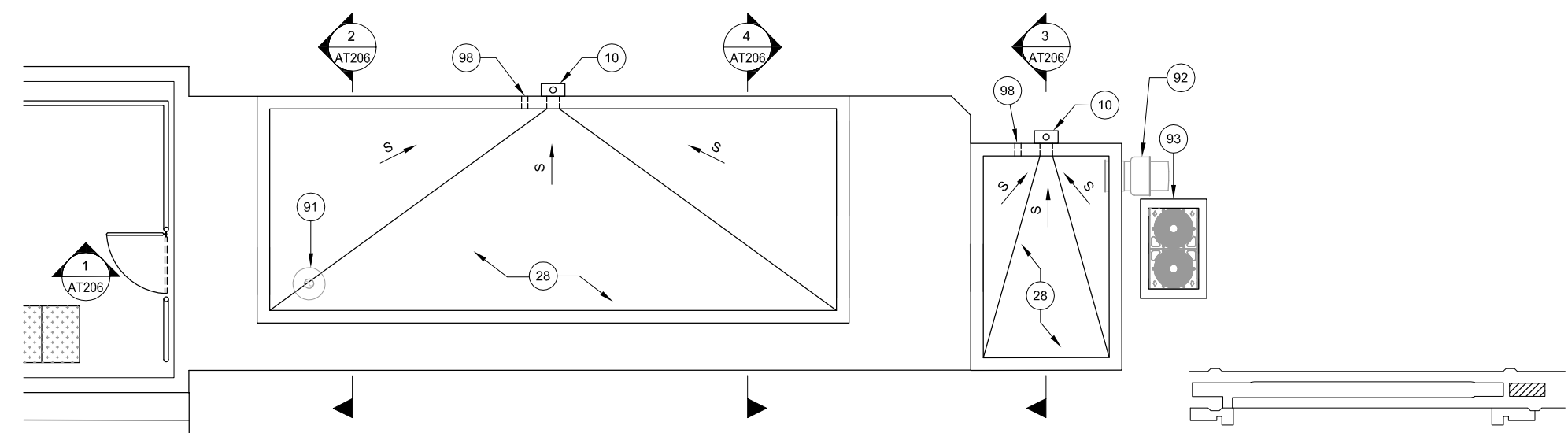


1 FLOOR PLAN
AT205 SCALE: 1/4"=1'-0" AP812

- NOTE:**
- REFER TO COMMUNICATIONS DRAWINGS FOR EQUIPMENT / DEVICES LAYOUT AND QUANTITIES
 - REFER TO AP568 FOR DOOR SCHEDULE
 - REFER TO AP569 FOR FINISH SCHEDULE

- KEY NOTES:**
- 10 ROOF SCUPPER
 - 16 SIGN, SWD
 - 28 PVC SINGLE-PLY ROOFING OVER RIGID INSULATION
 - 53 SERVICE GATE
 - 91 GRAVITY INTAKE VENT, SMD
 - 92 EXHAUST FAN, SMD
 - 93 CONC HOUSEKEEPING PAD, SMD
 - 98 OVERFLOW SCUPPER, SPD
 - 107 FIRE EXTINGUISHER

LEGEND:
 2-HOUR RATED WALL



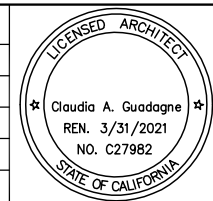
2 ROOF PLAN
AT205 SCALE: 1/4"=1'-0"

KEY PLAN



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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED

FMG ARCHITECTS
 330 15TH STREET
 OAKLAND, CA 94612
 510-465-8700 TEL
 www.fmgarchitects.com

DESIGNED: M. Grindulo
 CHECKED: R. Cu
 DRAWN: L. Canlas
 CADD FILE NAME: 801AT205.DWG

Santa Clara Valley Transportation Authority

APPROVED

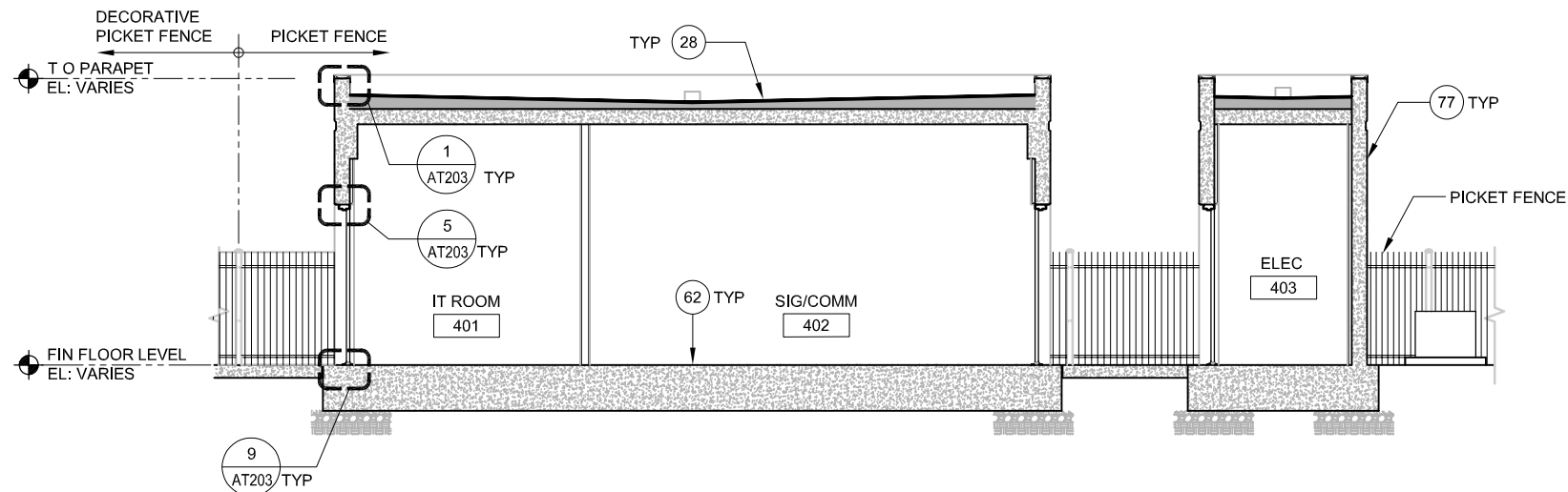
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/22/2020
 SCALE: 1/4"=1'-0"
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL - EASTRIDGE STATION
 SIGNALS/COMM HOUSE
 FLOOR PLAN & ROOF PLAN

PCA NO. 000 CONTRACT NO. C802 FILE LOCATION PROJECTWISE

SHEET OF	AT205
DRAWING NO.	AT205
REVISION	C



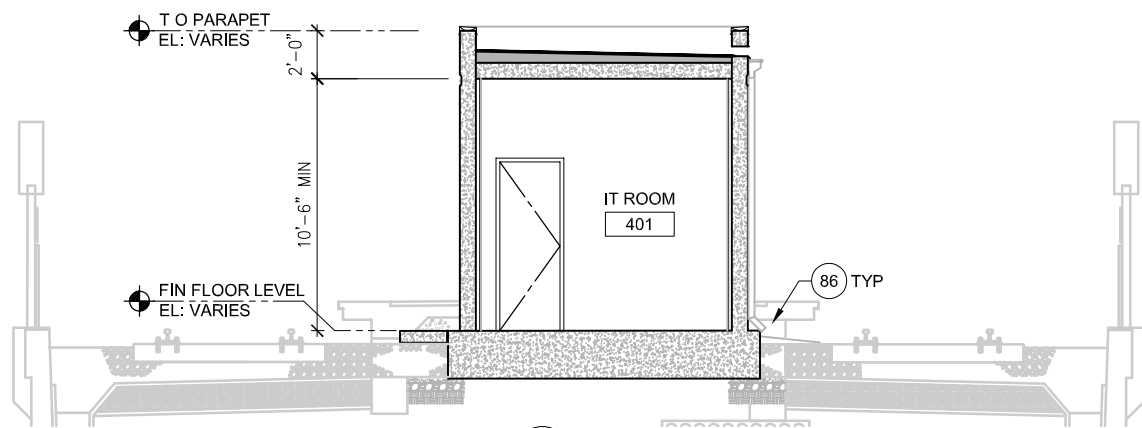
1 SECTION
AT206 SCALE 1/4"=1'-0" AT205

NOTE:

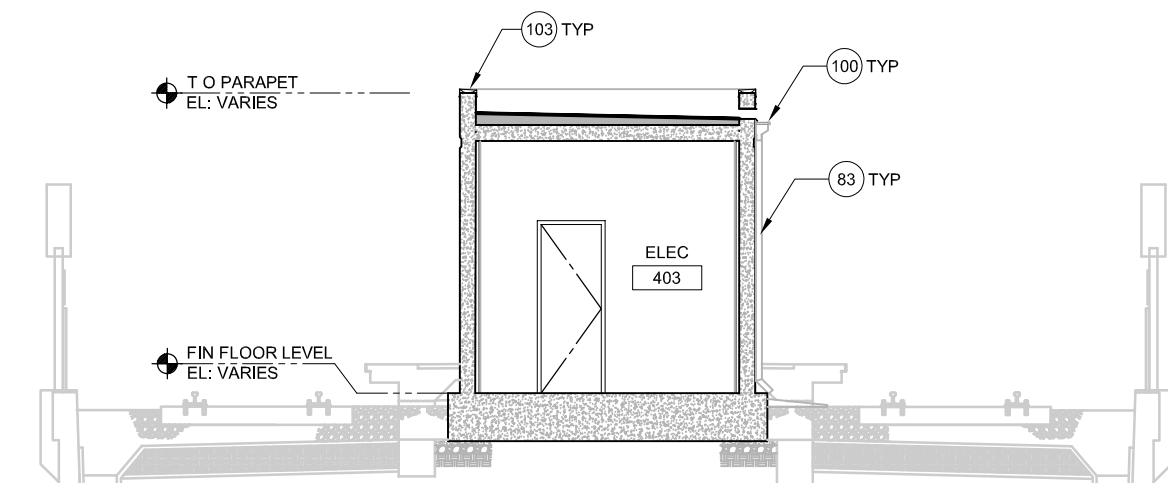
1. SEE AT205 FOR ADDITIONAL INFORMATION.

KEY NOTES:

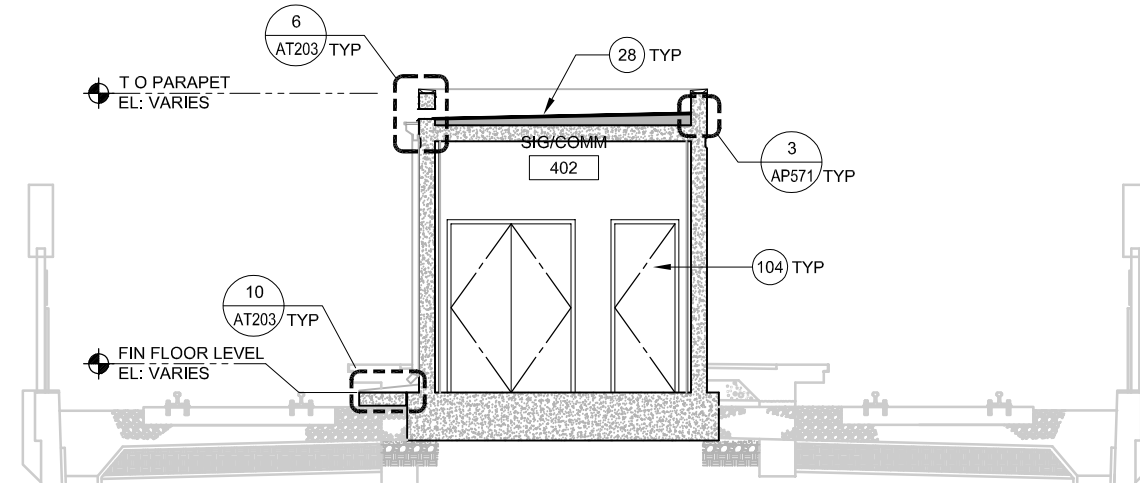
- (28) PVC SINGLE-PLY ROOF SYSTEM OVER RIGID INSULATION
- (62) CONCRETE TOPPING SLAB
- (77) CONCRETE WALL, SSD
- (83) DOWNSPOUT
- (86) SPLASH BLOCK
- (100) SCUPPER, SPD
- (103) BREAK METAL SHAPED COPING
- (104) HOLLOW METAL DOOR AND FRAME



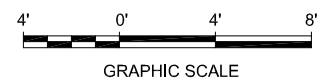
2 SECTION
AT206 SCALE 1/4"=1'-0" AT205



3 SECTION
AT206 SCALE 1/4"=1'-0" AT205

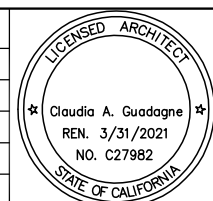


4 SECTION
AT206 SCALE 1/4"=1'-0" AT205



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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED

FMG ARCHITECTS
330 15TH STREET
OAKLAND, CA 94612
510-465-8700 TEL
www.fmgarchitects.com

DESIGNED: M. Grindulo
CHECKED: R. Cu
DRAWN: L. Canlas
CADD FILE NAME: 801AT206.DWG

Santa Clara Valley
Transportation
Authority

APPROVED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/20/2020
SCALE: 1/4"=1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - EASTRIDGE STATION
SIGNALS / COMM HOUSE
SECTIONS

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

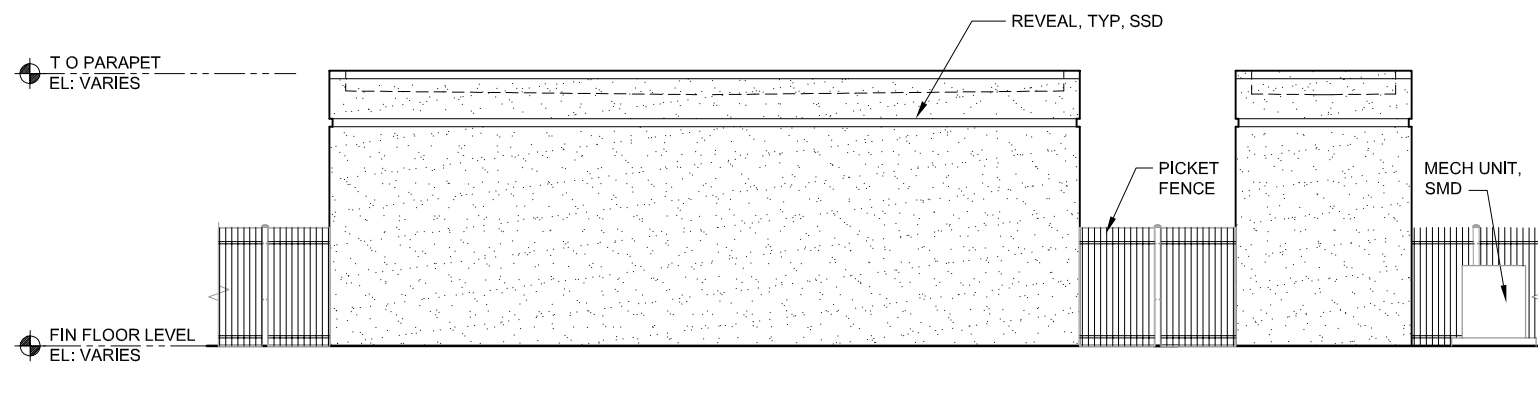
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NOTE:

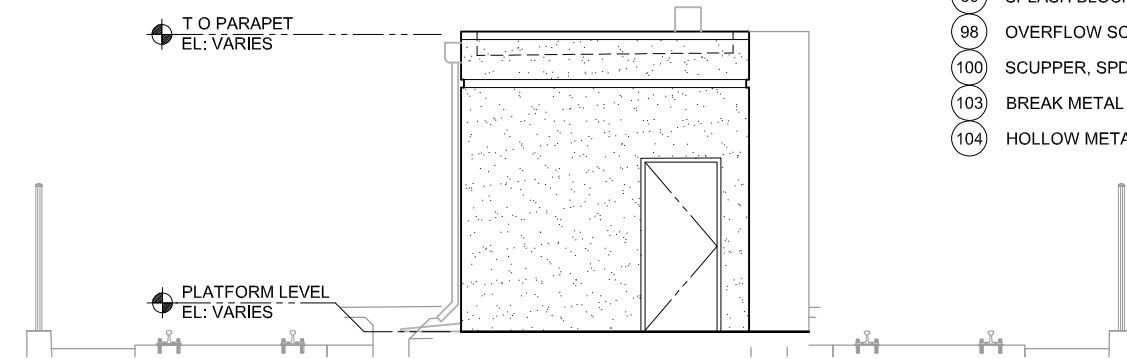
- 1. SEE AT205 FOR ADDITIONAL INFORMATION.

KEY NOTES:

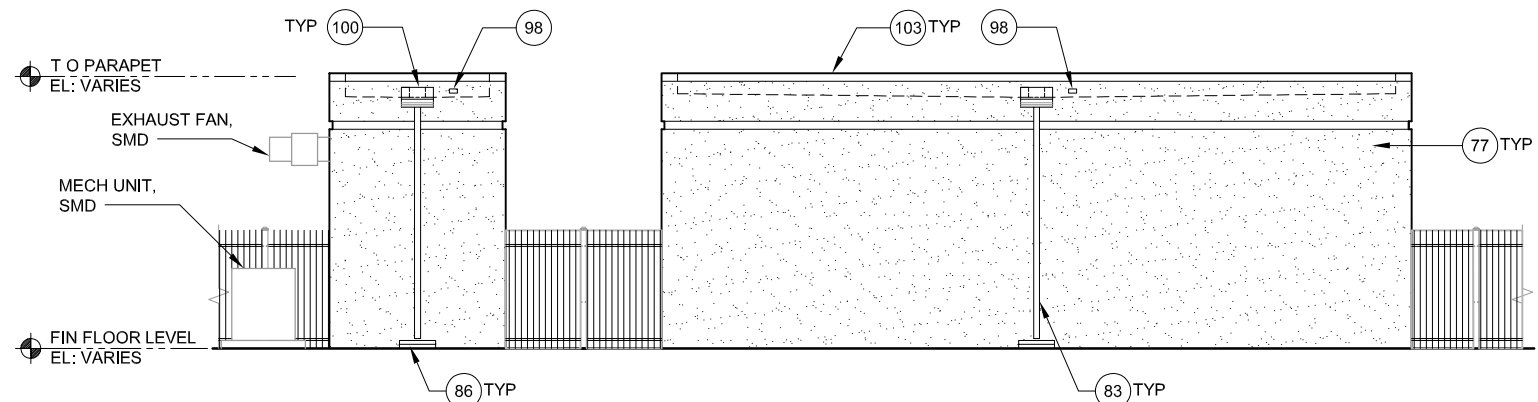
- 77 CONCRETE WALL, SSD
- 83 DOWNSPOUT
- 86 SPLASH BLOCK
- 98 OVERFLOW SCUPPER, SPD
- 100 SCUPPER, SPD
- 103 BREAK METAL SHAPED COPING
- 104 HOLLOW METAL DOOR AND FRAME



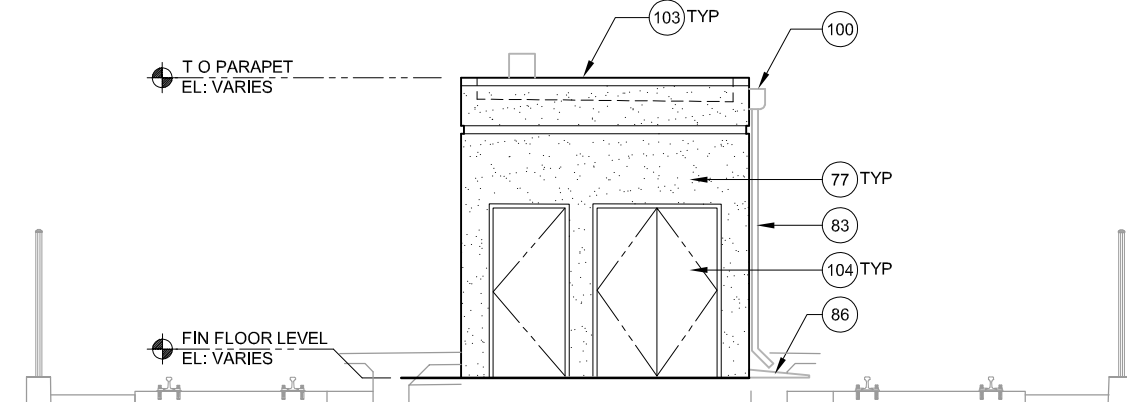
1 WEST ELEVATION
AT207 SCALE 1/4"=1'-0" AT205



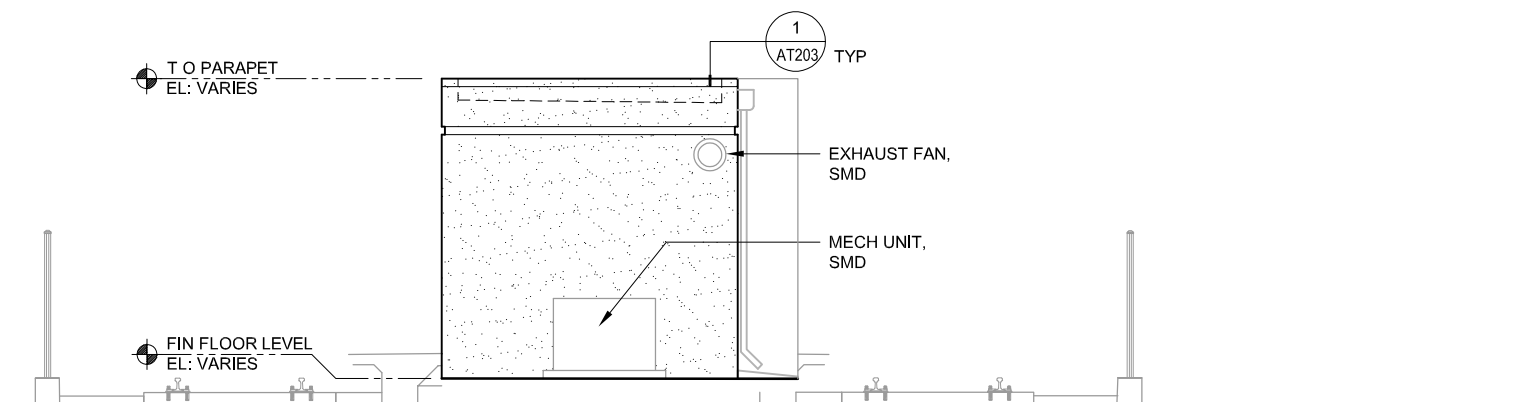
2 NORTH ELEVATION
AT207 SCALE 1/4"=1'-0" AT205



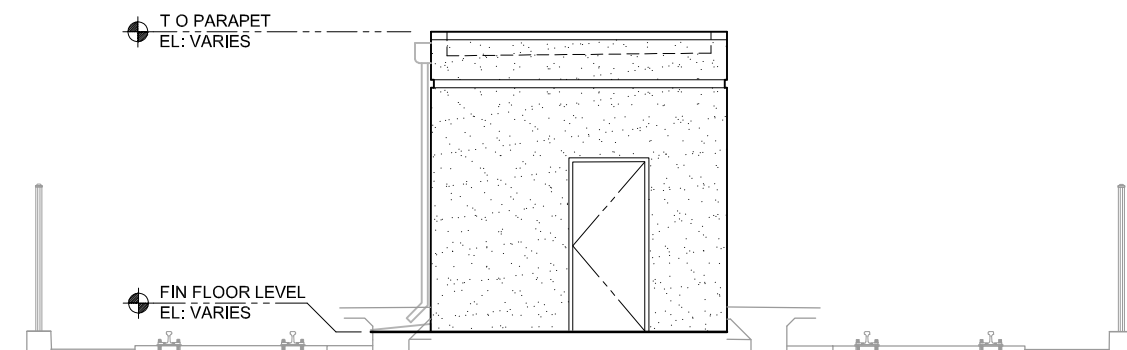
3 EAST ELEVATION
AT207 SCALE 1/4"=1'-0" AT205



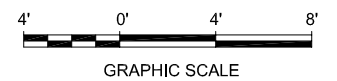
4 SOUTH ELEVATION
AT207 SCALE 1/4"=1'-0" AT205



5 SOUTH ELEVATION
AT207 SCALE 1/4"=1'-0" AT205

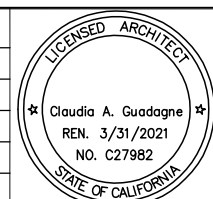


6 NORTH ELEVATION
AT207 SCALE 1/4"=1'-0" AT205



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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



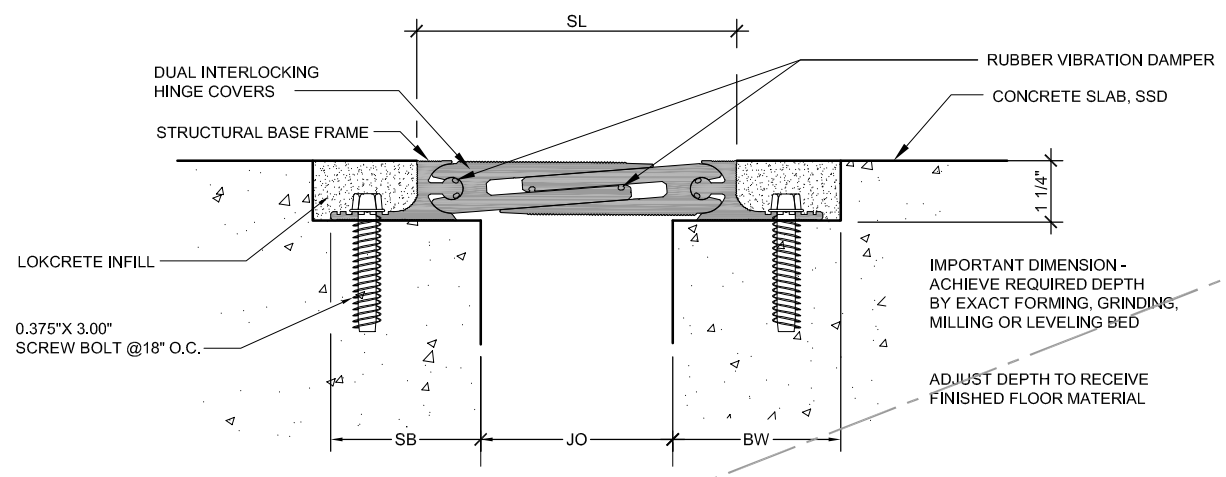
SUBMITTED	
 330 15TH STREET OAKLAND, CA 94612 510-465-8700 TEL www.fmgarchitects.com	
DESIGNED	CHECKED
M. Grindulo	R. Cu
DRAWN	CADD FILE NAME
L. Canlas	801AT207.DWG



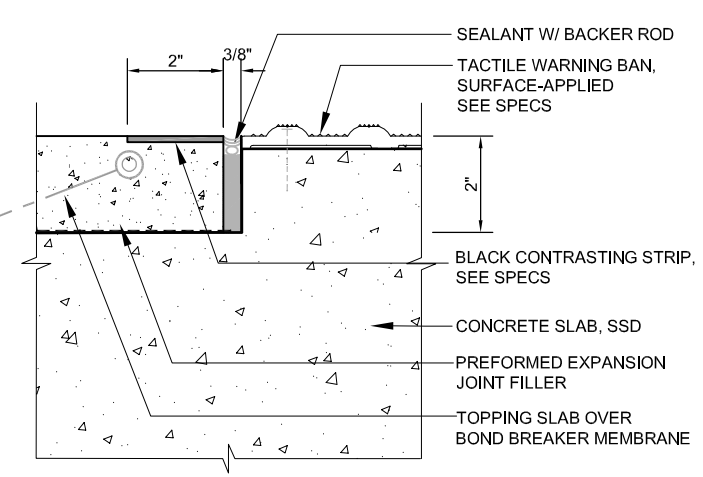
APPROVED	
 ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
06/20/2020	1/4"=1'-0"
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL - EASTRIDGE STATION SIGNALS / COMM HOUSE EXTERIOR ELEVATIONS		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

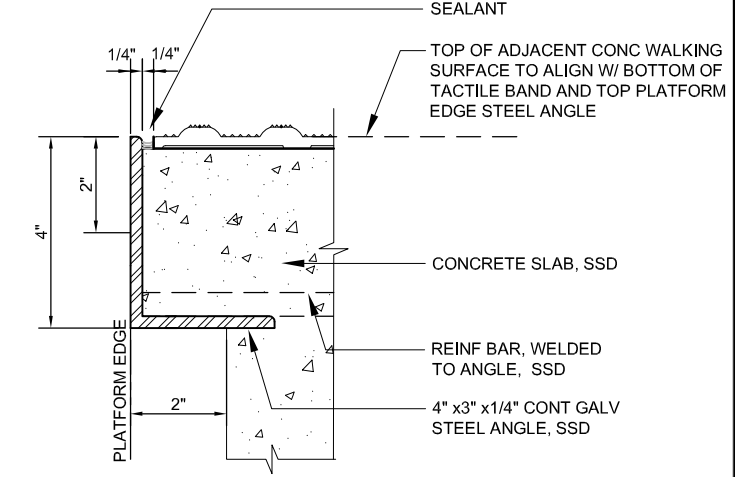
SHEET	OF
DRAWING NO.	AT207
REVISION	A



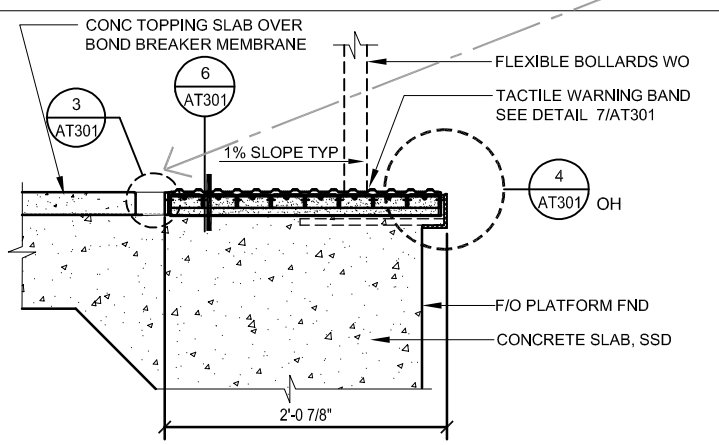
2 EXP. JOINT COVER @ CONC.
 AT301 SCALE: 6"=1'-0" SJC-7, SJC-8, SJC-9, SJC-10, SJC-11



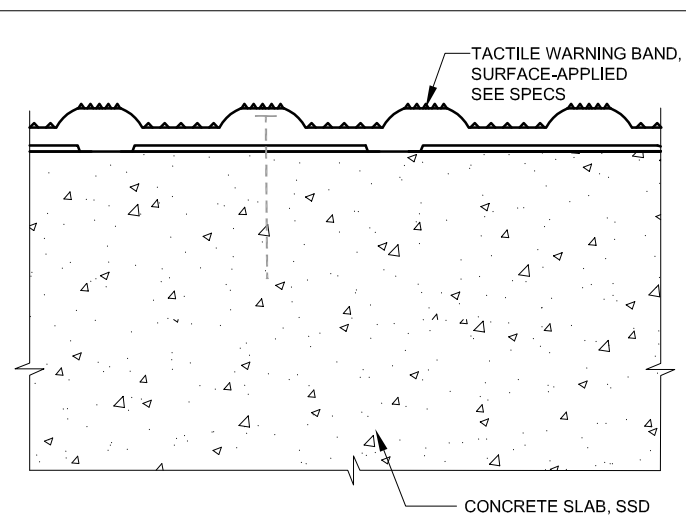
3 BLACK CONTRASTING STRIP DETAIL
 AT301 SCALE: 6"=1'-0"



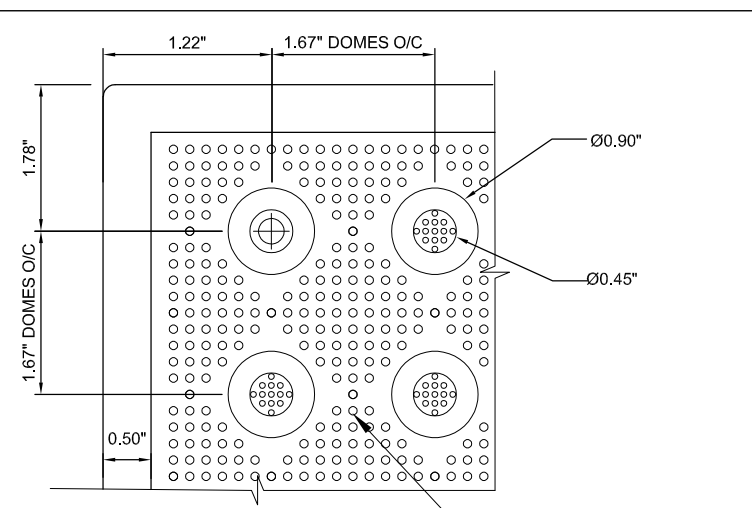
4 WARNING BAND @ PLATFORM EDGE
 AT301 SCALE: 6"=1'-0"



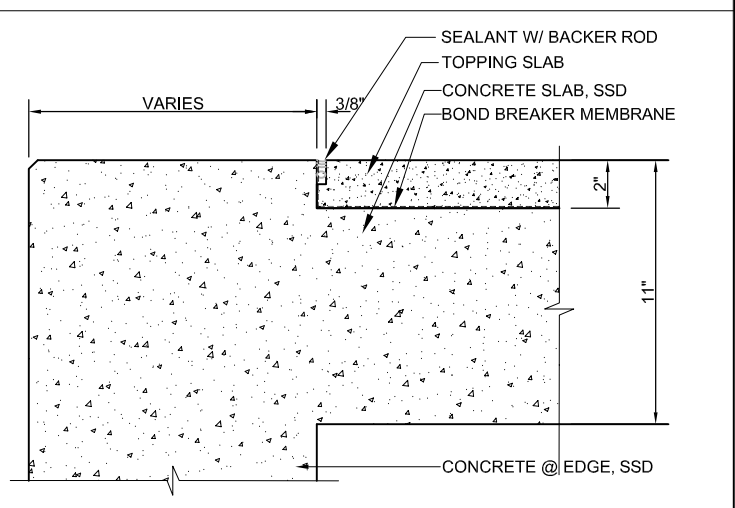
5 TACTILE WARNING BAND
 AT301 SCALE: 1 1/2"=1'-0" AP503, AP504, AP505, AP802, AP804



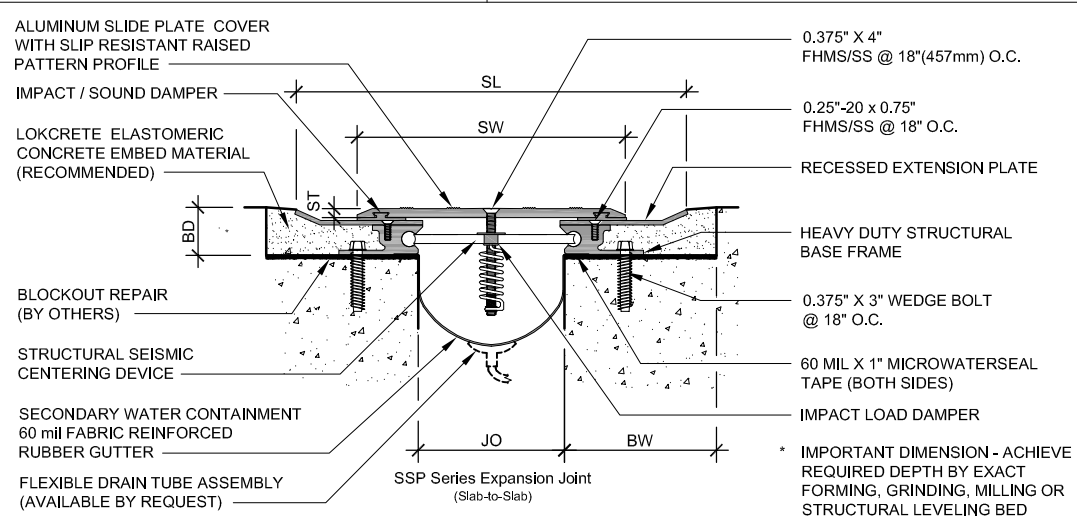
6 TACTILE WARNING BAND JOINT
 AT301 SCALE: 1"=1'-0" AP503, AP504, AP802



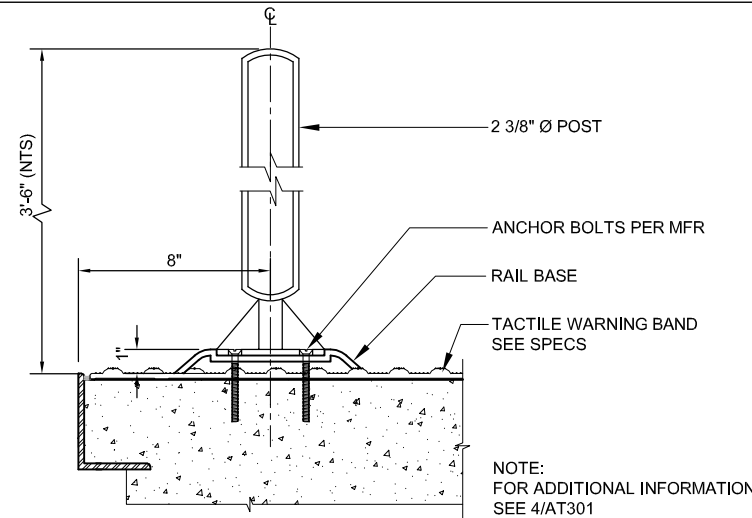
7 TRUNCATED DOME TACTILE WARNING BAND
 AT301 SCALE: 1"=1'-0" AP503, AP504, AP802



8 CONCRETE SLAB @ EDGE
 AT301 SCALE: 3"=1'-0" AP552



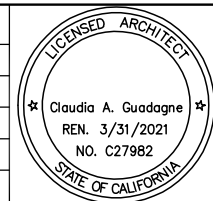
9 EXP. JOINT COVER @ CONC
 AT301 SCALE: 3"=1'-0" AP552, SJC-1, SJC-2



10 TYP FLEXIBLE BOLLARD
 AT301 SCALE: 3"=1'-0" AP503, AP504, AP505, AP802

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET

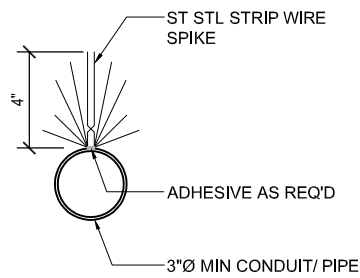


SUBMITTED		FMG ARCHITECTS 330 15TH STREET OAKLAND, CA 94612 510-465-8700 TEL www.fmgarchitects.com	
DESIGNED	M. Grindulo	CHECKED	C. Guadagne
DRAWN	J. Perez	CADD FILE NAME	801AT301.DWG



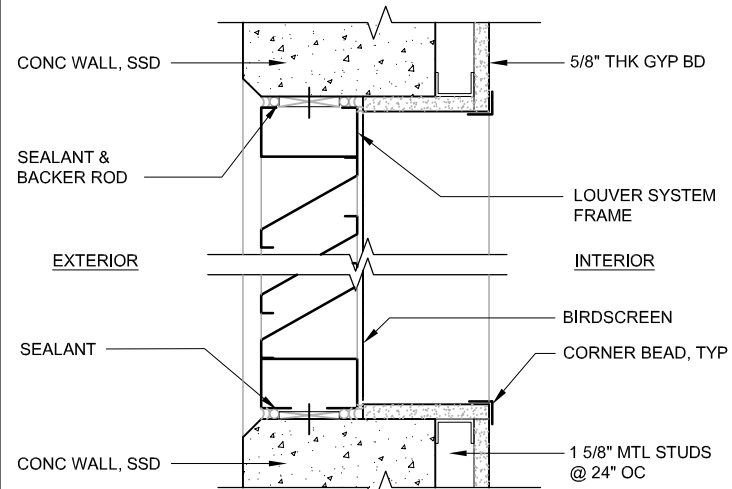
APPROVED		BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	06/20/2020	SCALE	AS NOTED
SUBMITTAL DATE	06/29/20	BOARD APPROVAL DATE	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL TYPICAL DETAILS			SHEET OF DRAWING NO. AT301 REVISION A
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	



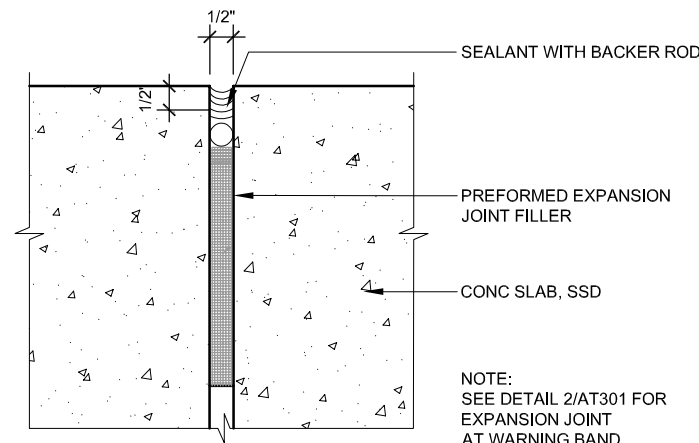
1 BIRD CONTROL WIRE STRIP ON CONDUIT / PIPE

AT302 SCALE 3"=1'-0" AP553



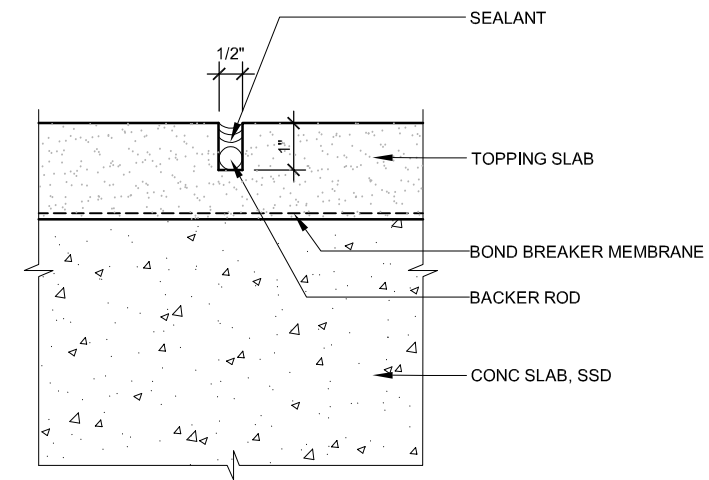
2 LOUVER HEAD & SILL (JAMB SIM)

AT302 SCALE: 3"=1'-0" AP533 AP555 AP534 AP556



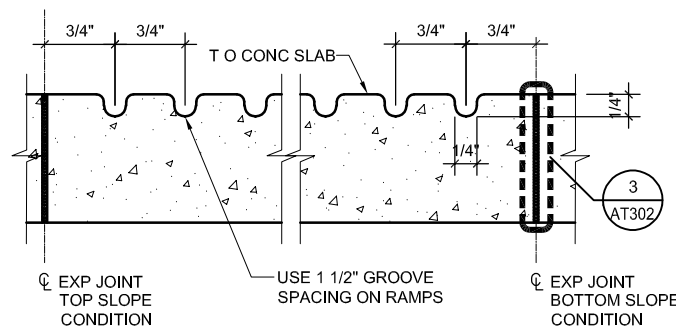
3 CONCRETE EXPANSION JOINT

AT302 SCALE 6"=1'-0"



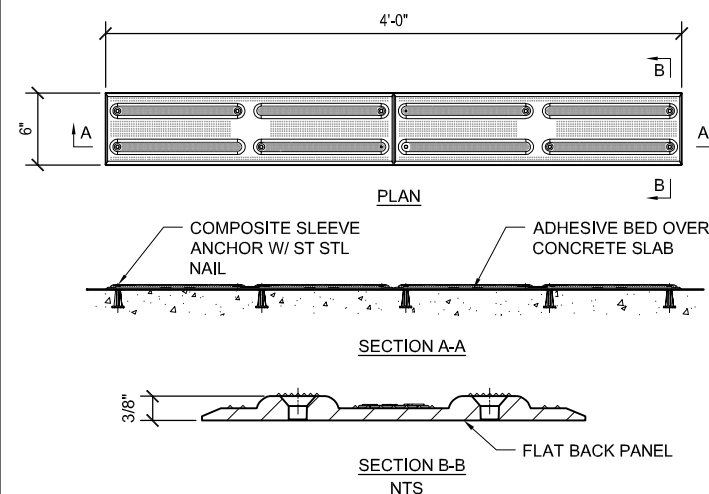
4 TYP CONTROL JOINT

AT302 SCALE 6"=1'-0"



5 WARNING GROOVES

AT302 SCALE 12"=1'-0" AP573 AP810 AP812

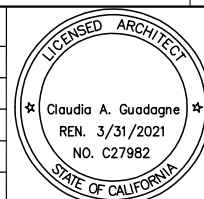


6 DETECTABLE DIRECTIONAL TACTILE

AT302 SCALE 1 1/2"=1'-0" AP810 AP812

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



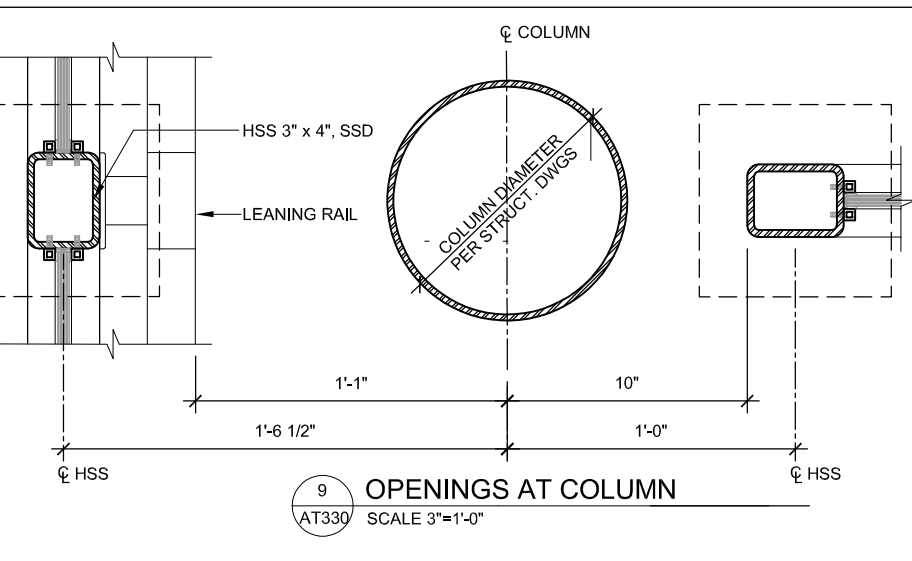
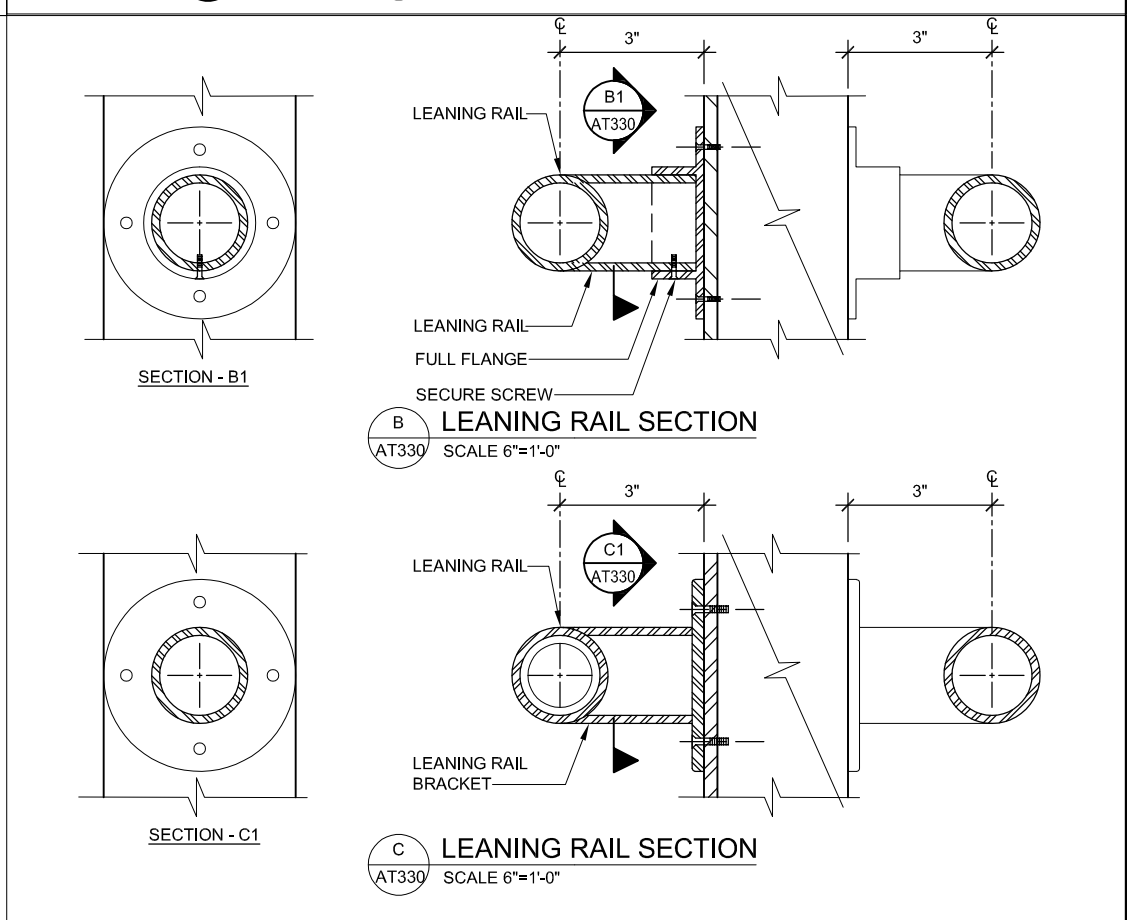
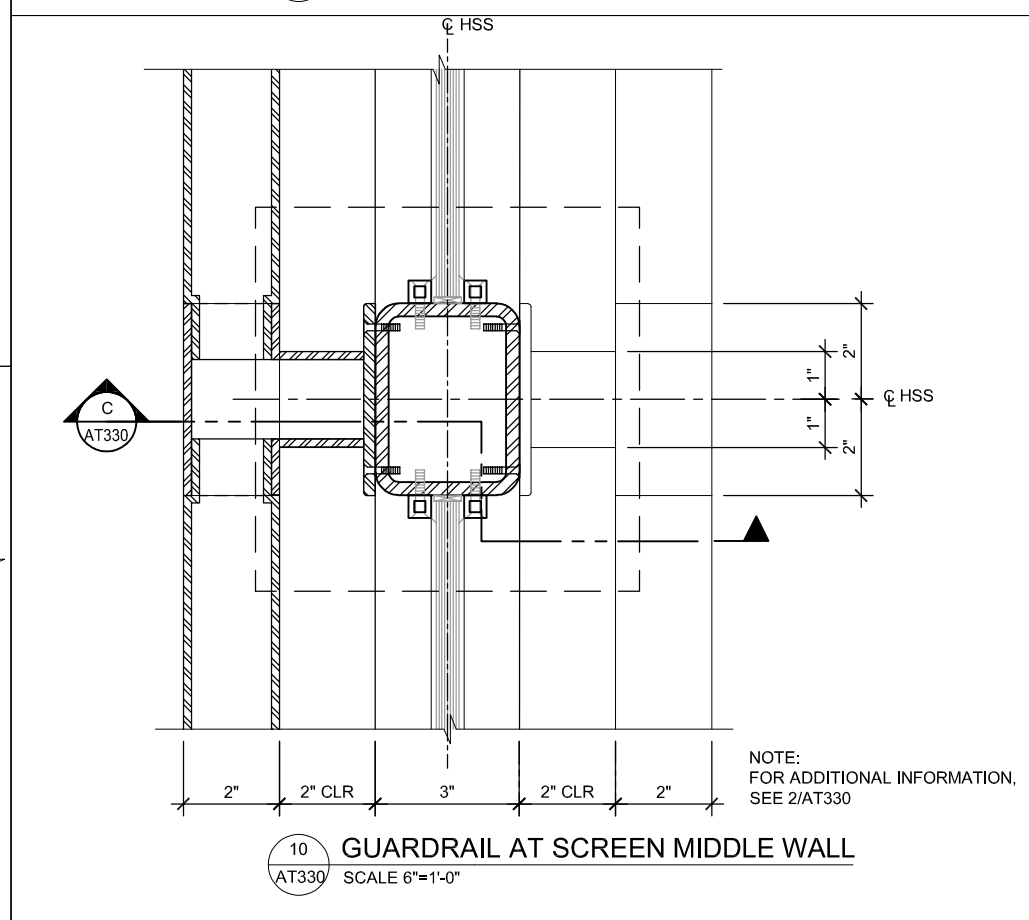
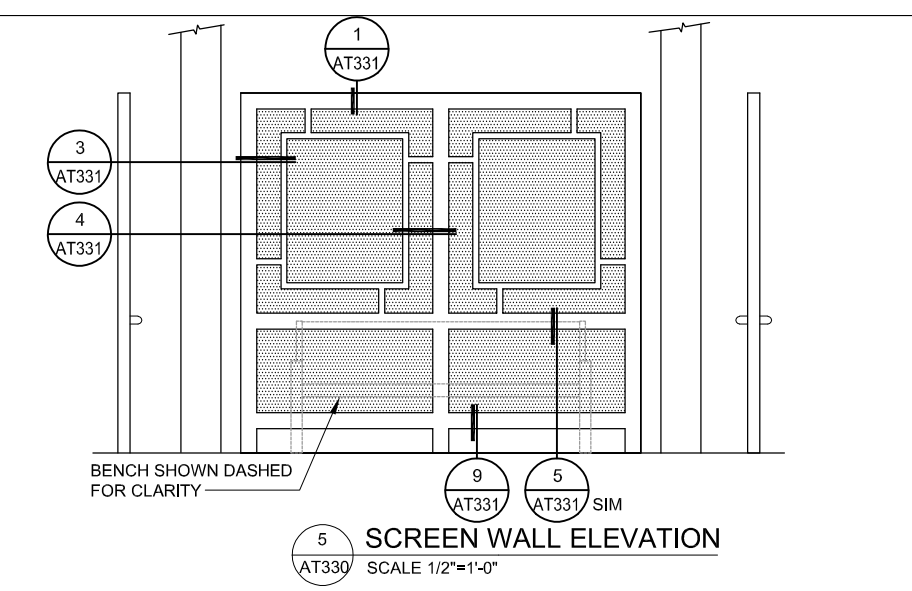
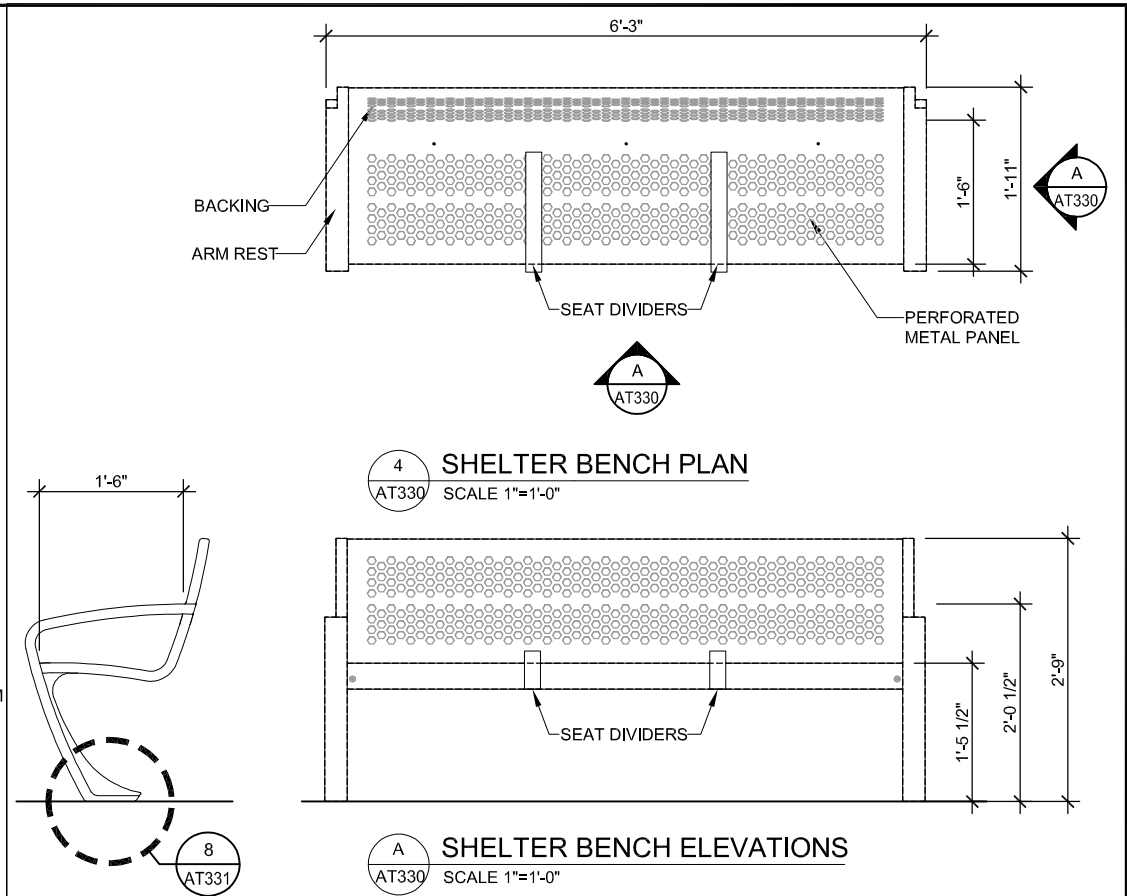
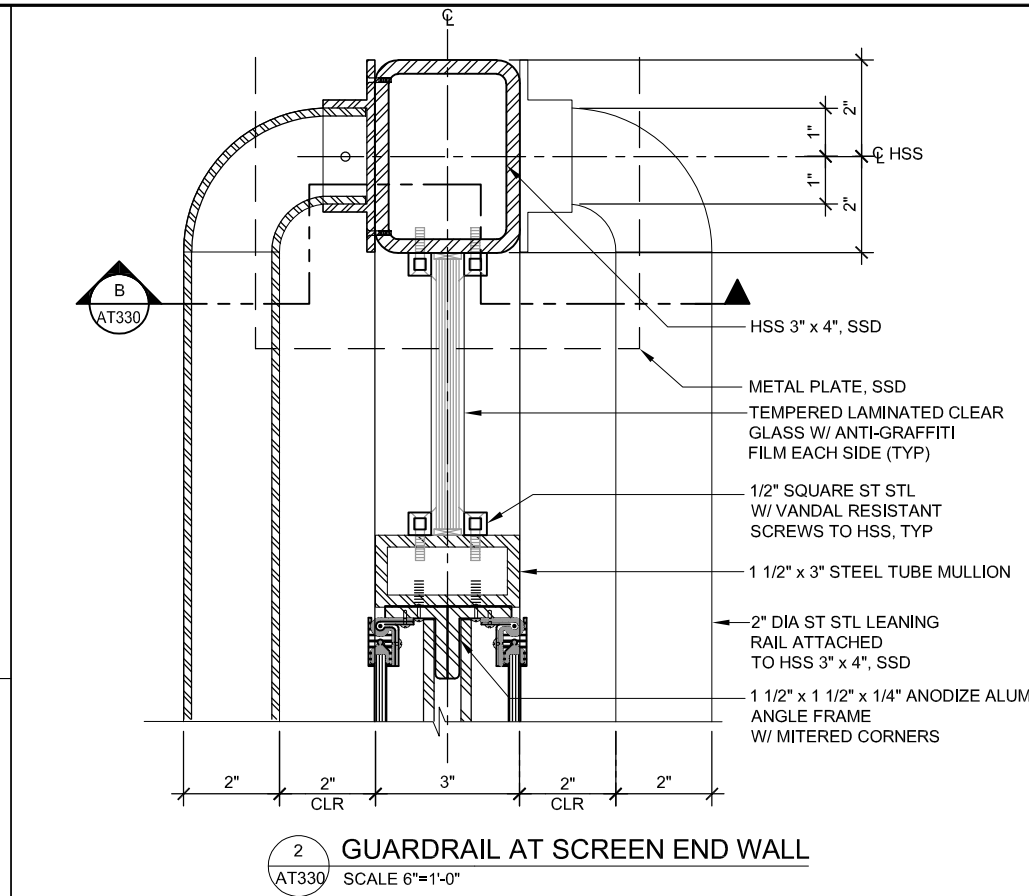
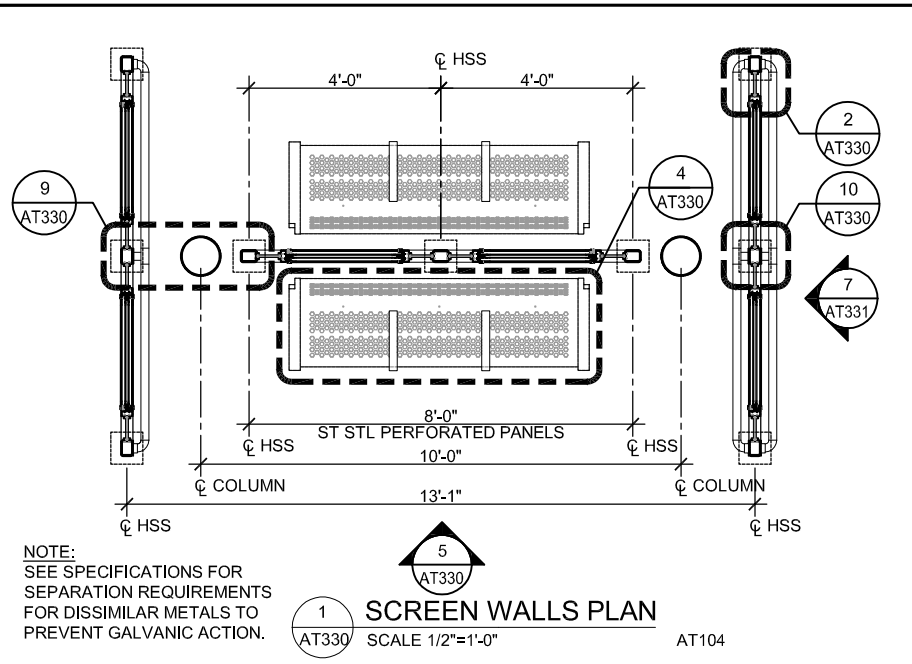
SUBMITTED	
330 15TH STREET OAKLAND, CA 94612 510-465-8700 TEL www.fmgarchitects.com	
DESIGNED	CHECKED
M. Grindulo	C. Guadagne
DRAWN	CADD FILE NAME
J. Perez	801AT302.DWG



APPROVED	
ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
06/20/2020	AS NOTED
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

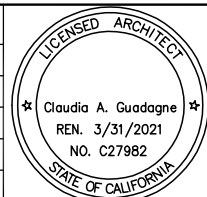
EASTRIDGE TO BART REGIONAL CONNECTOR		
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT		
ARCHITECTURAL		
TYPICAL DETAILS		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	AT302
REVISION	A



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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET

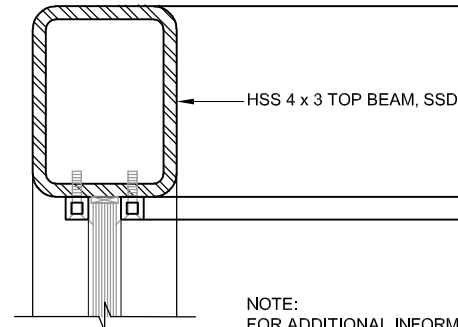


SUBMITTED	
FMG ARCHITECTS	
330 15TH STREET OAKLAND, CA 94612 510-465-8700 TEL www.fmgarchitects.com	
DESIGNED	CHECKED
M. Grindulo	C. Guadagne
DRAWN	CADD FILE NAME
J. Perez	801AT330.DWG



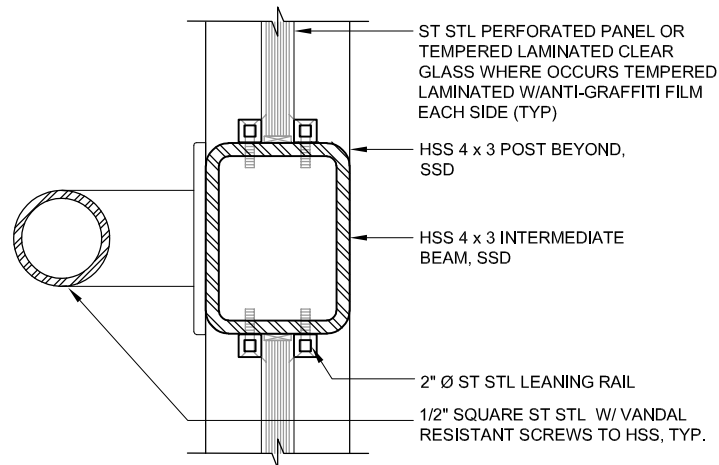
APPROVED	
BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
06/18/2020	AS NOTED
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL WINDSCREEN & BENCH DETAILS		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE
SHEET OF		DRAWING NO.
		AT330
		REVISION
		A

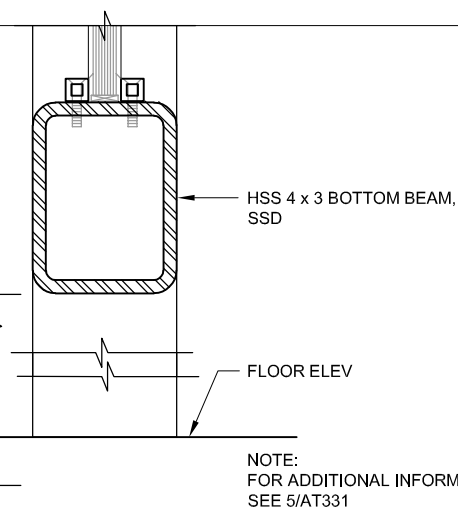


1 TYP HEADER BEAM
AT331 SCALE 6"=1'-0" AT330

NOTE:
FOR ADDITIONAL INFORMATION,
SEE 5/AT331

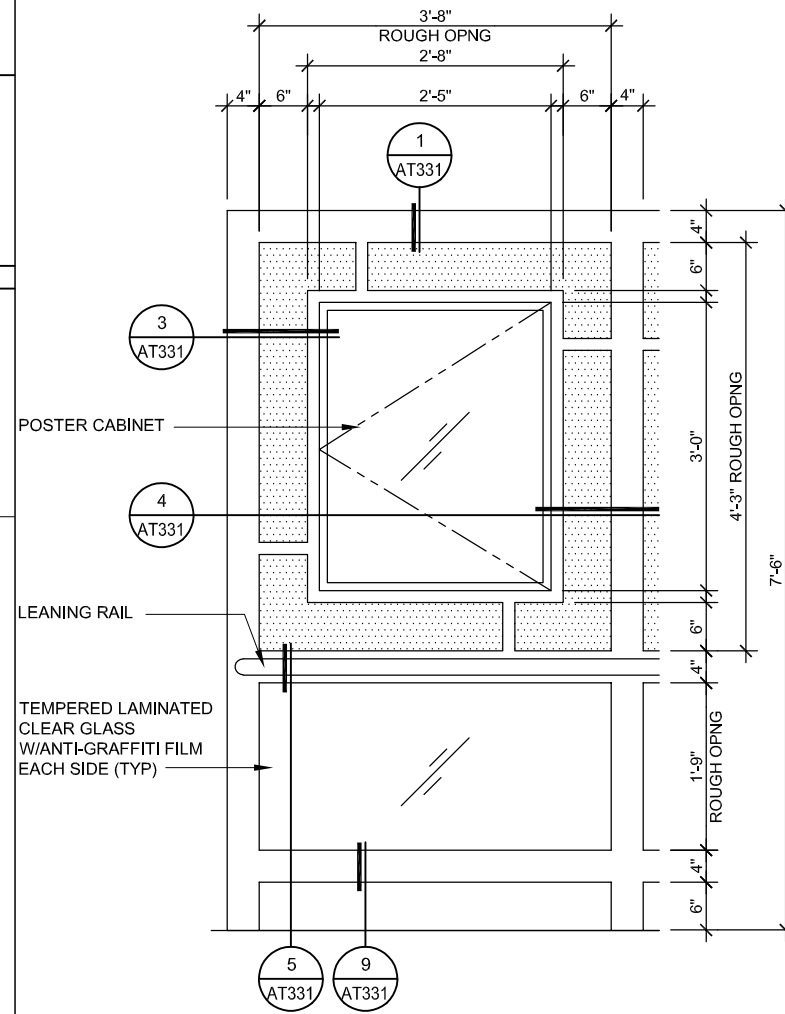


5 TYP INTERMEDIATE MULLION
AT331 SCALE 6"=1'-0" AT330



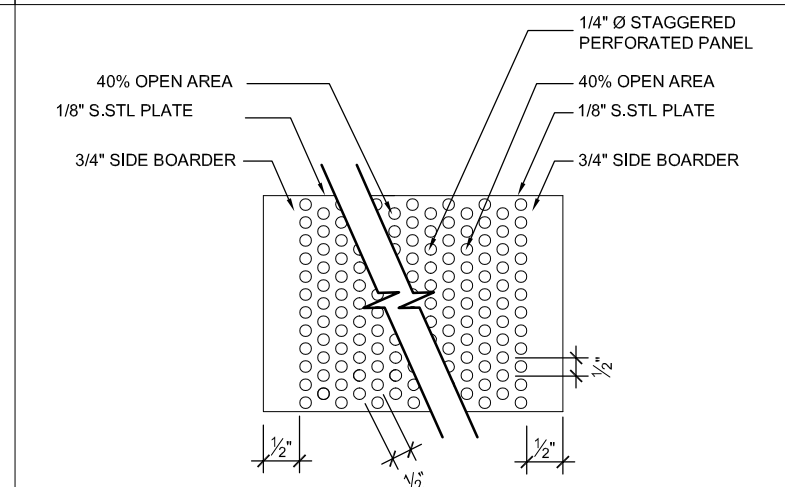
9 TYP SILL BEAM, MULLION SIM
AT331 SCALE 6"=1'-0" AT330

NOTE:
FOR ADDITIONAL INFORMATION,
SEE 5/AT331

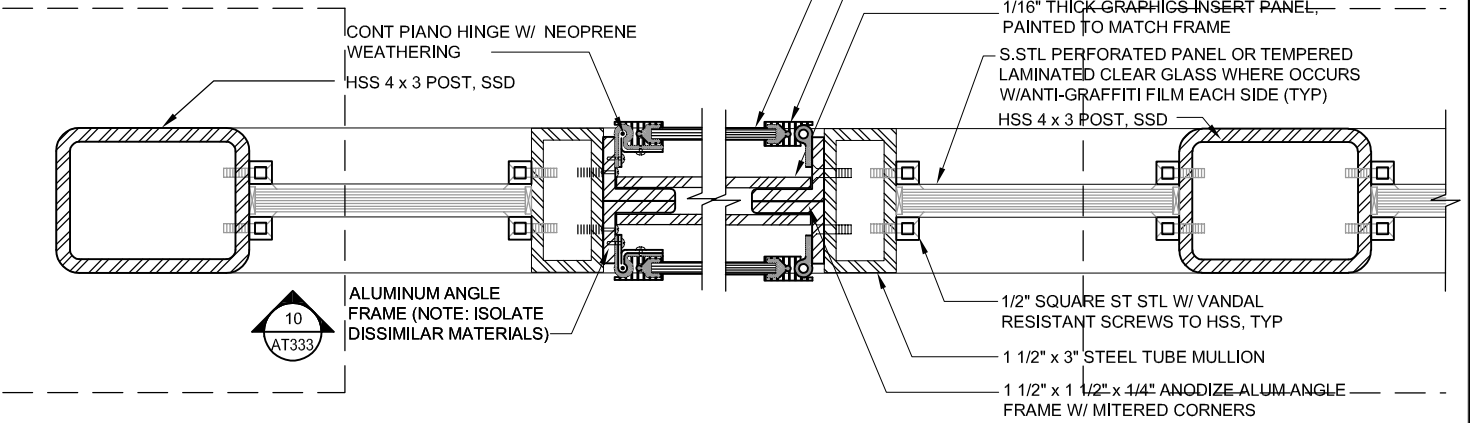


6 TYP, POSTER CABINET
AT331 SCALE 1"=1'-0"

NOTE:
SEE SPECIFICATIONS FOR
SEPARATION REQUIREMENTS
FOR DISSIMILAR METAL TO
PREVENT GALVANIC ACTION.

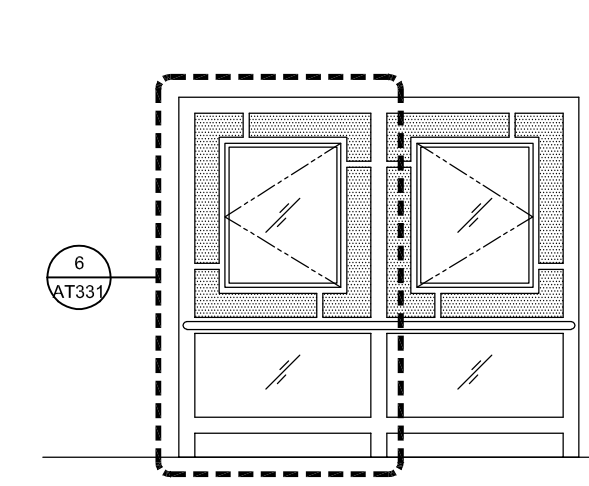


10 ALUM PERFORATED PANEL
AT331 SCALE 6"=1'-0"

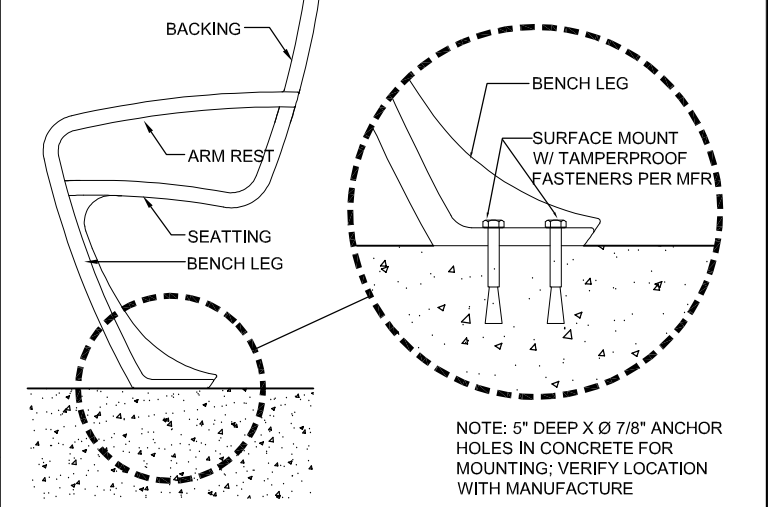


3 JAMB CONDITION AT HINGE
AT331 SCALE 6"=1'-0" AT330

4 JAMB CONDITION SILL AND HEADER SIM
AT331 SCALE 6"=1'-0" AT330



7 SCREEN WALL AT SIDE ELEVATION
AT331 SCALE 1/2"=1'-0"

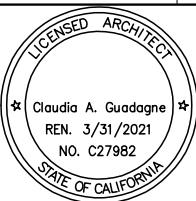


8 ST STL SHELTER BENCH MOUNTING DETAIL
AT331 SCALE 6"=1'-0" AT330

NOTE: 5" DEEP X Ø 7/8" ANCHOR
HOLES IN CONCRETE FOR
MOUNTING; VERIFY LOCATION
WITH MANUFACTURE

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



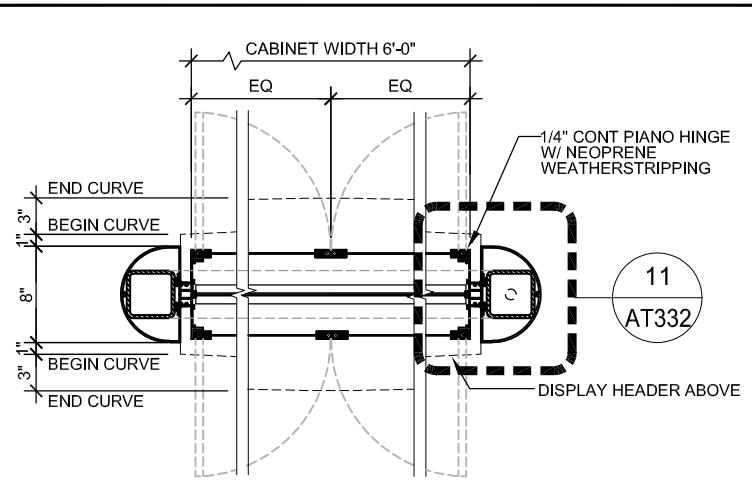
SUBMITTED	
DESIGNED	CHECKED
M. Grindulo	C. Guadagne
DRAWN	CADD FILE NAME
J. Perez	801AT331.DWG



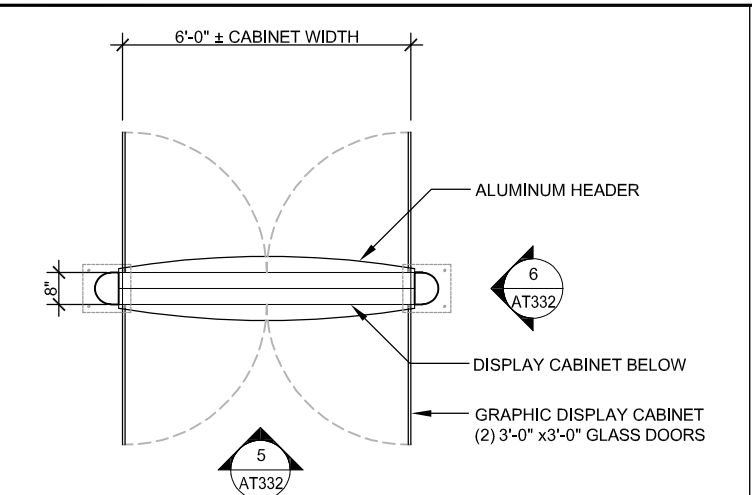
APPROVED	
CADD FILE DATE	SCALE
06/18/2020	AS NOTED
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL WINDSCREEN & BENCH DETAILS		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

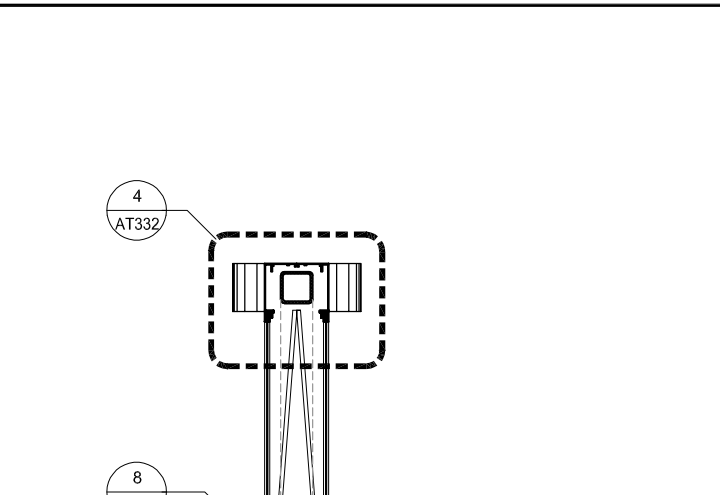
SHEET	OF
DRAWING NO.	AT331
REVISION	A



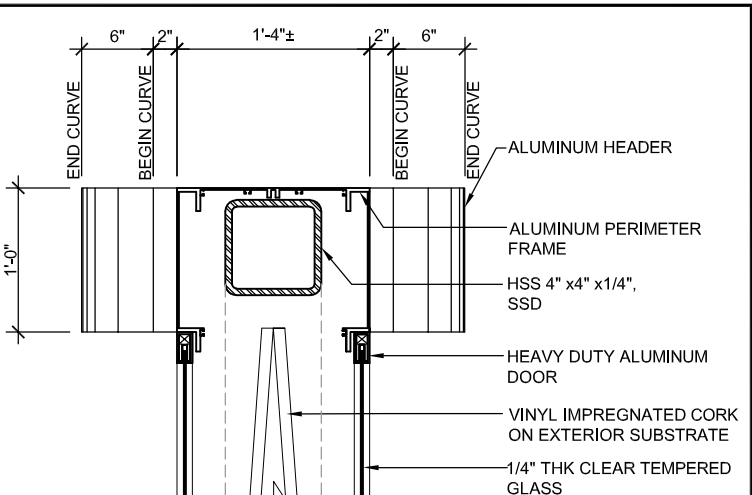
1 POST/SECTION - GRAPHIC DISPLAY KIOSK
AT332 SCALE 1 1/2"=1'-0"



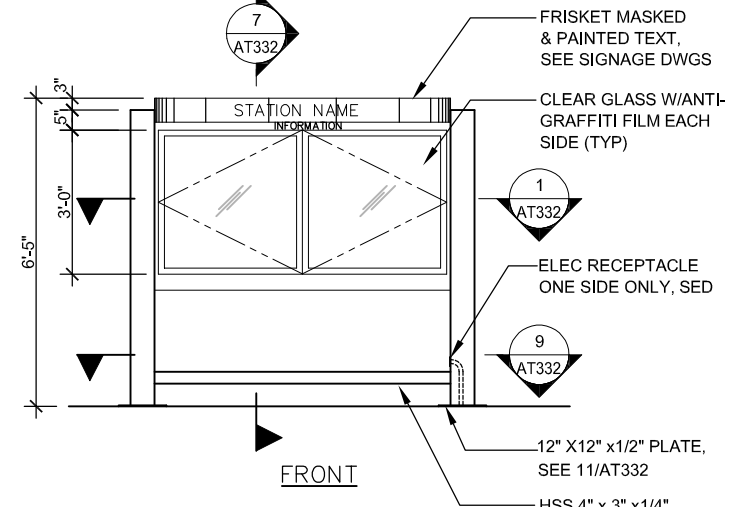
2 PLAN - GRAPHIC DISPLAY KIOSK
AT332 SCALE 1/2"=1'-0"
AP503
AP504
AP802



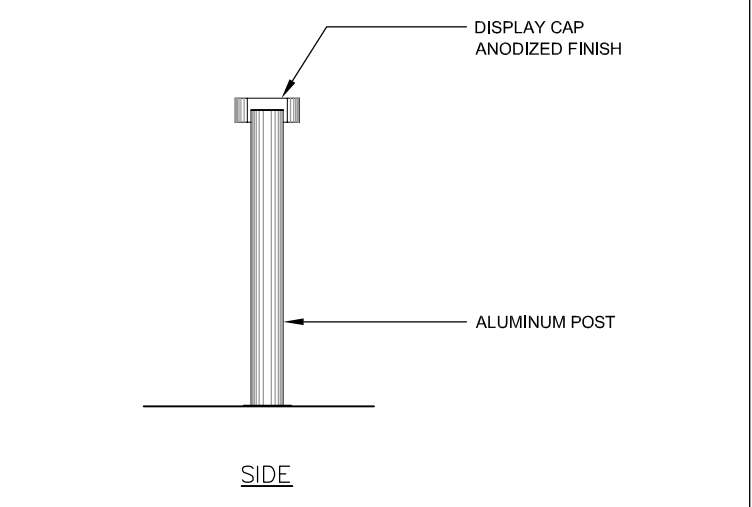
7 DISPLAY CABINET SECTION
AT332 SCALE 1"=1'-0"



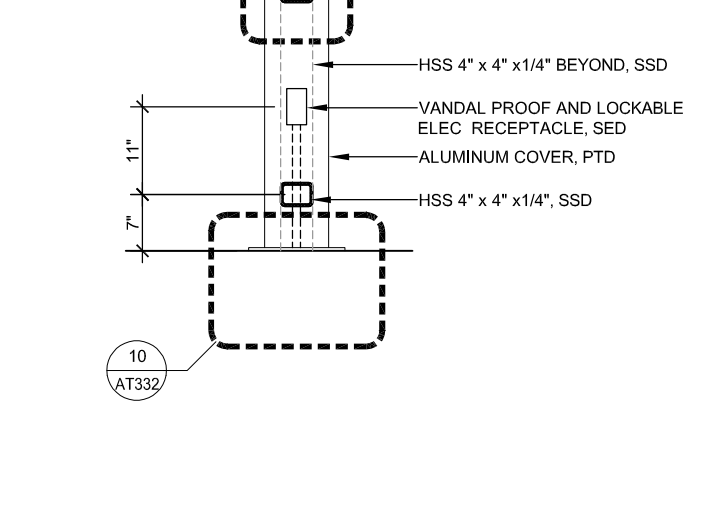
4 DISPLAY CABINET HEADER
AT332 SCALE 1 1/2"=1'-0"



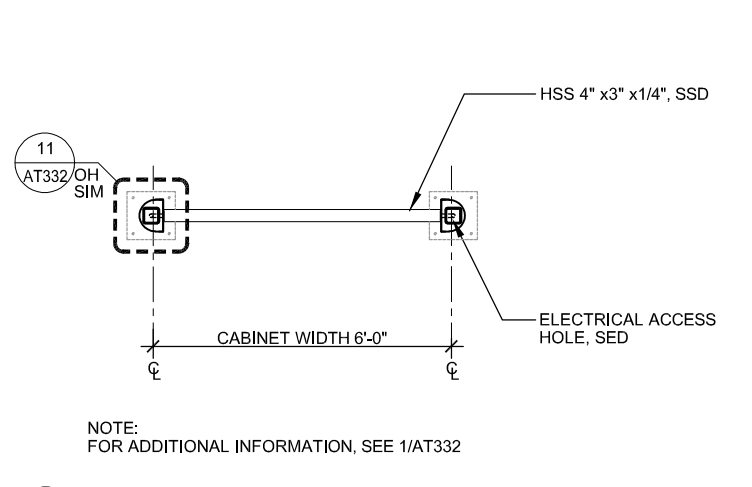
5 ELEVATION
AT332 SCALE 1/4"=1'-0"



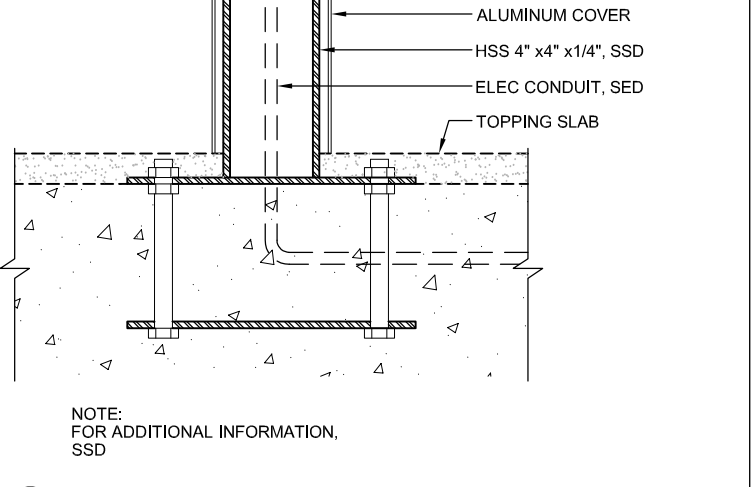
6 ELEVATION
AT332 SCALE 1/4"=1'-0"



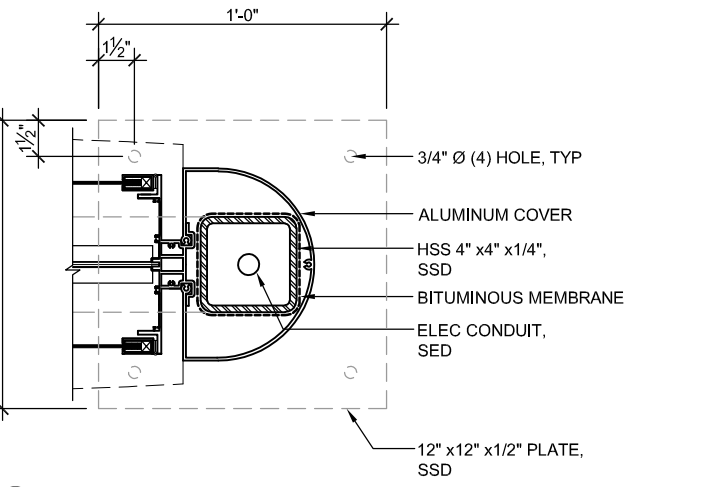
8 DISPLAY CABINET BOTTOM
AT332 SCALE 1 1/2"=1'-0"



9 MOUNTING PLATES - PLAN
AT332 SCALE 1/2"=1'-0"



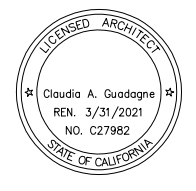
10 DISPLAY CABINET @ PLATE
AT332 SCALE 3"=1'-0"



11 ALUMINUM COVER @ HSS
AT332 SCALE 3"=1'-0"

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NO.	DATE	REVISIONS
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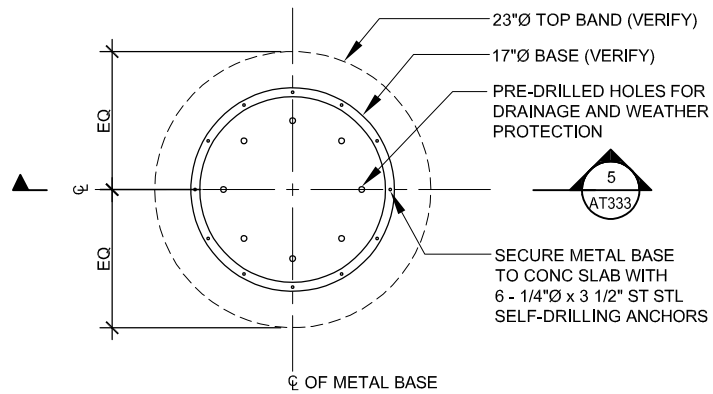


SUBMITTED	
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DESIGNED	CHECKED
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DRAWN	CADD FILE NAME
J. Perez	801AT332.DWG



APPROVED	
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CADD FILE DATE	SCALE
06/22/2020	AS NOTED
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/2020	

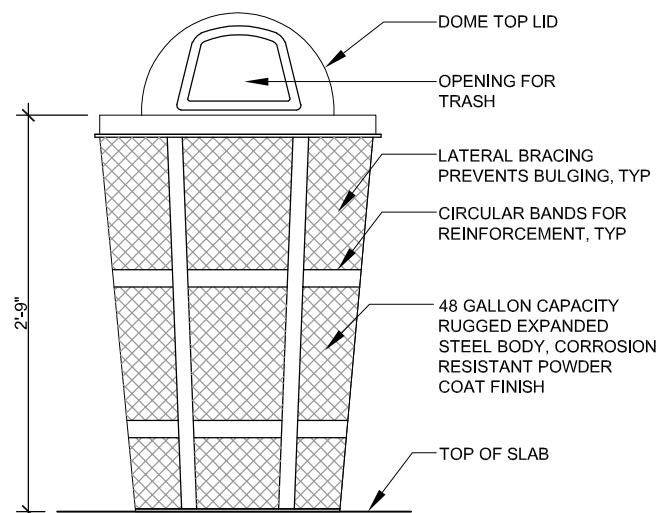
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL GRAPHIC DISPLAY KIOSK DETAILS			SHEET OF DRAWING NO. AT332 REVISION A
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	



1 PLAN - TRASH RECEPTACLE ANCHORAGE

AT333 SCALE 1 1/2"=1'-0"

AP503
AP803

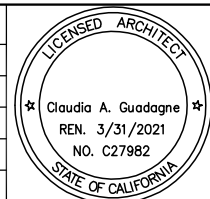


5 SECTION- TRASH RECEPTACLE

AT333 SCALE 1 1/2"=1'-0"

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NO.	DATE	REVISIONS
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CHECKED: C. Guadagne
CADD FILE NAME: 801AT333.DWG

Santa Clara Valley Transportation Authority

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ENGINEERS / SURVEYORS / PLANNERS

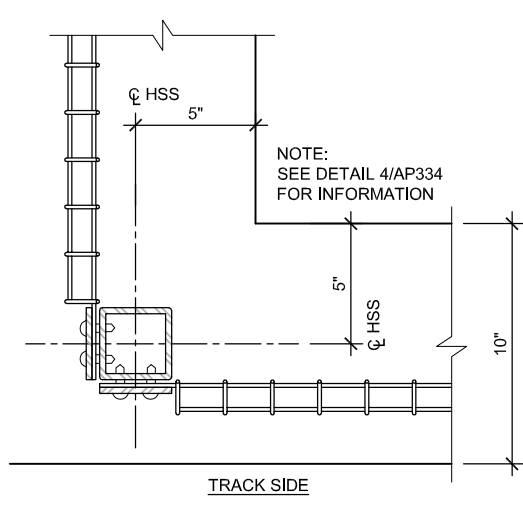
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SUBMITTAL DATE: 06/29/20

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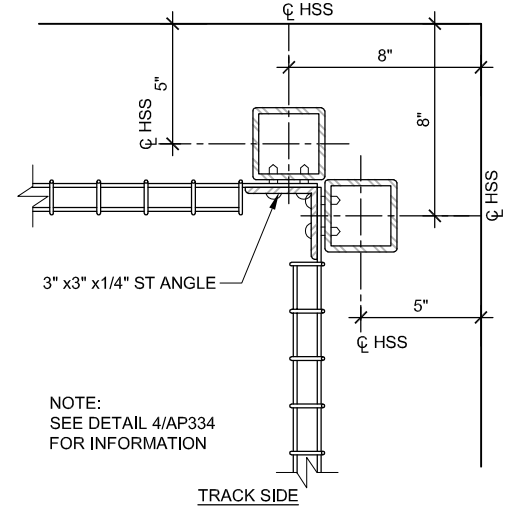
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL AMENITIES
DETAILS

PCA NO.: 000
CONTRACT NO.: C801
FILE LOCATION: PROJECTWISE

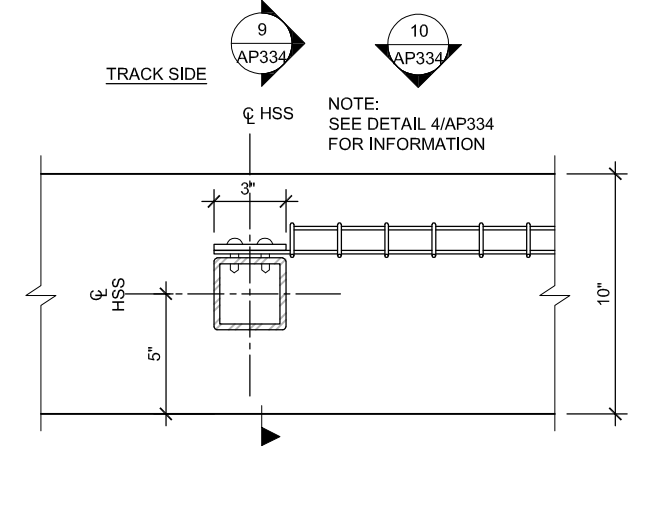
SHEET OF	AT333
DRAWING NO.	AT333
REVISION	A



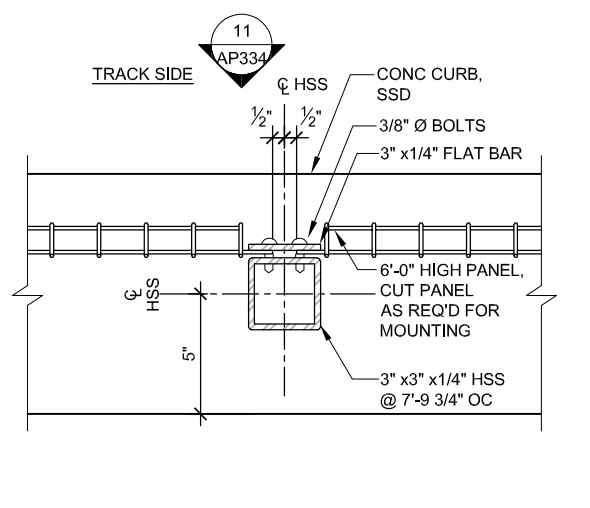
1 PLAN - INT POST CORNER
AT334 SCALE 3"=1'-0" AP552



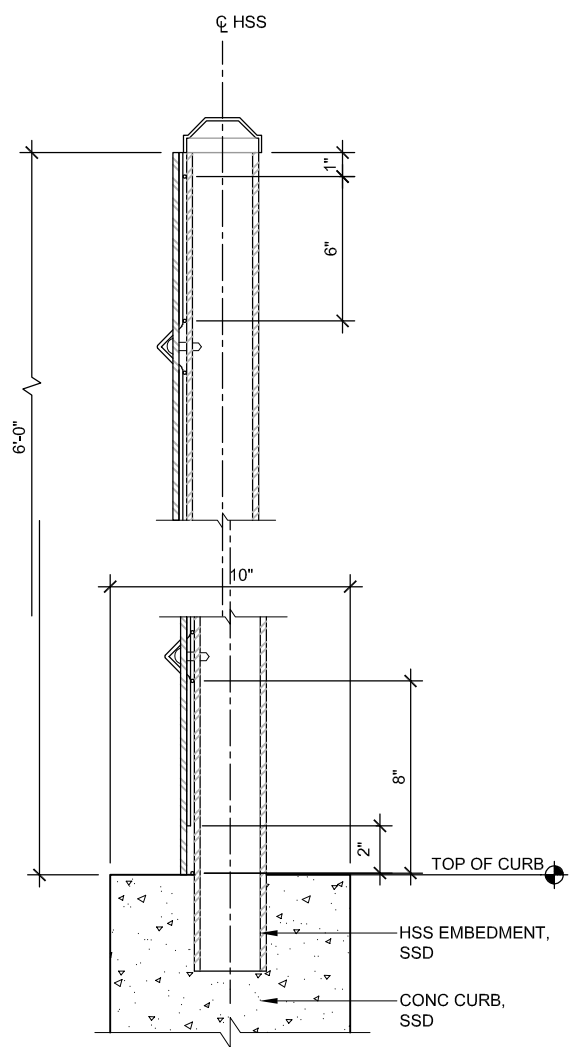
2 PLAN - EXT POST CORNER
AT334 SCALE 3"=1'-0" AP552



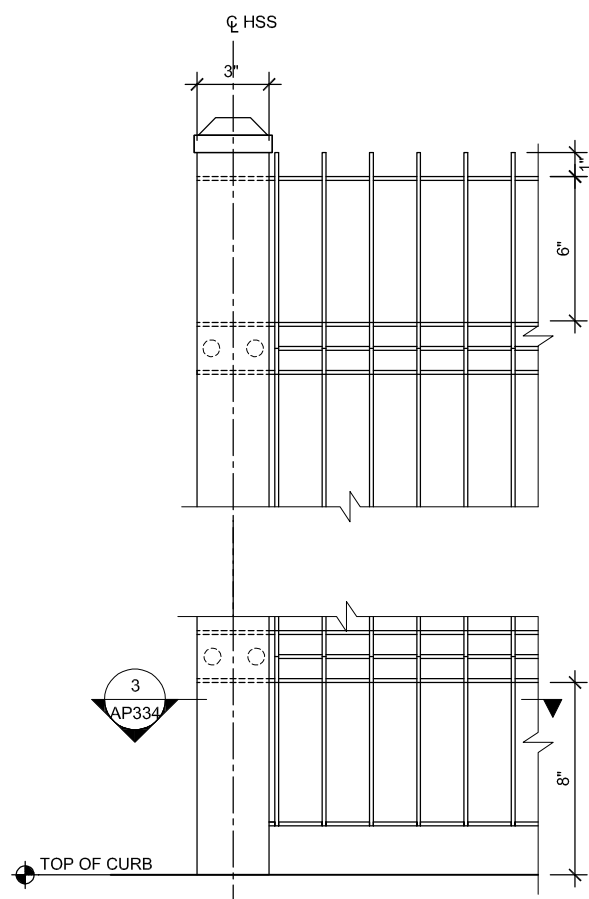
3 PLAN - END POST
AT334 SCALE 3"=1'-0"



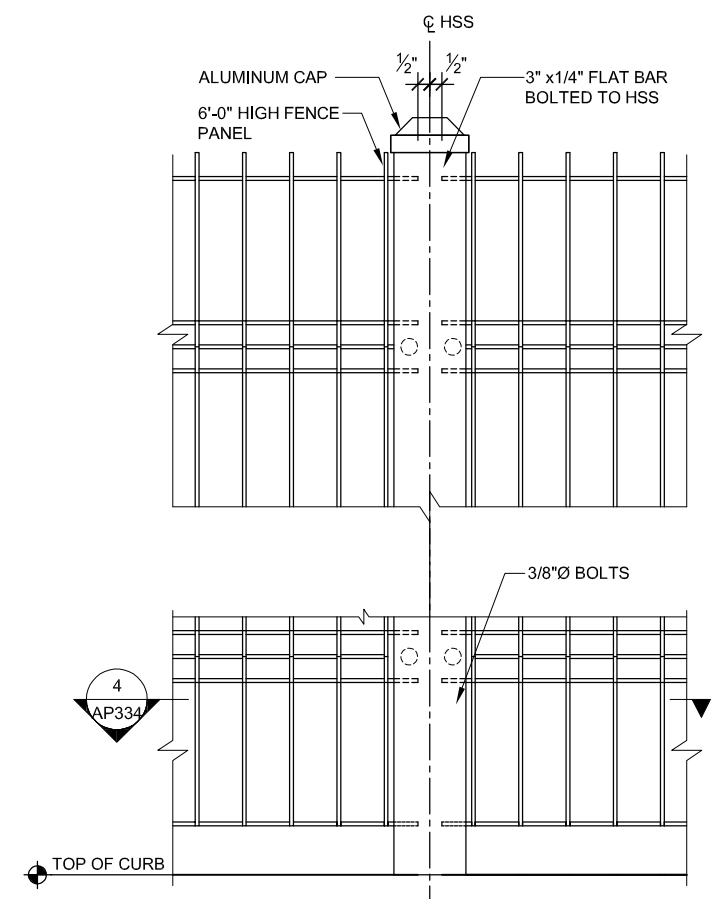
4 PLAN - MIDDLE POST
AT334 SCALE 3"=1'-0"



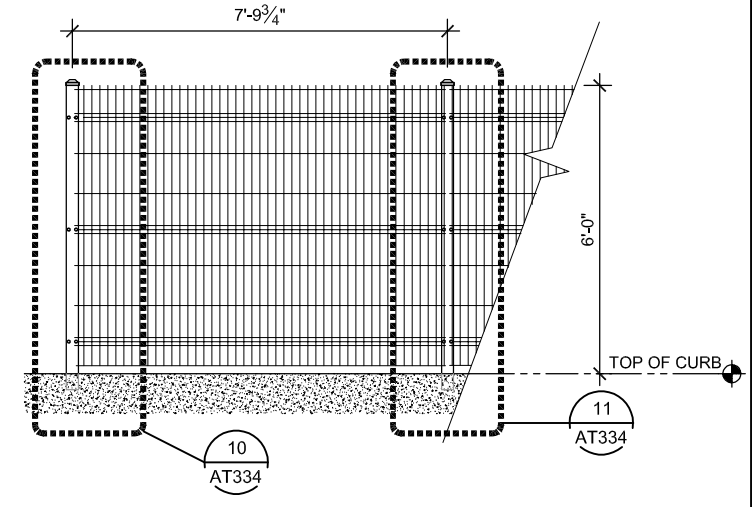
9 SECTION
AT334 SCALE 3"=1'-0" AP505 AT201



10 ELEVATION
AT334 SCALE 3"=1'-0"



11 ELEVATION
AT334 SCALE 3"=1'-0"



8 PARTIAL FENCE ELEVATION
AT334 SCALE 1/2"=1'-0" AP507 AP805

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SUBMITTED

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DESIGNED: M. Grindulo
CHECKED: C. Guadagne
DRAWN: J. Perez
CADD FILE NAME: 801AT334.DWG

Santa Clara Valley Transportation Authority

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ENGINEERS / SURVEYORS / PLANNERS

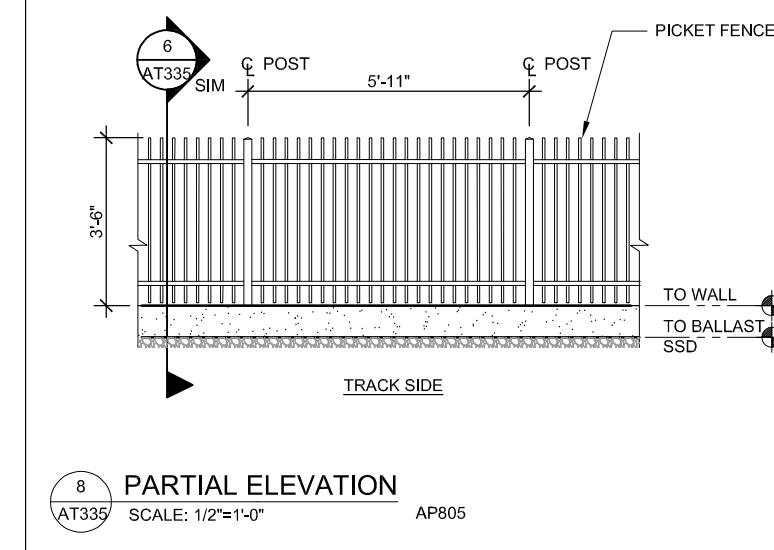
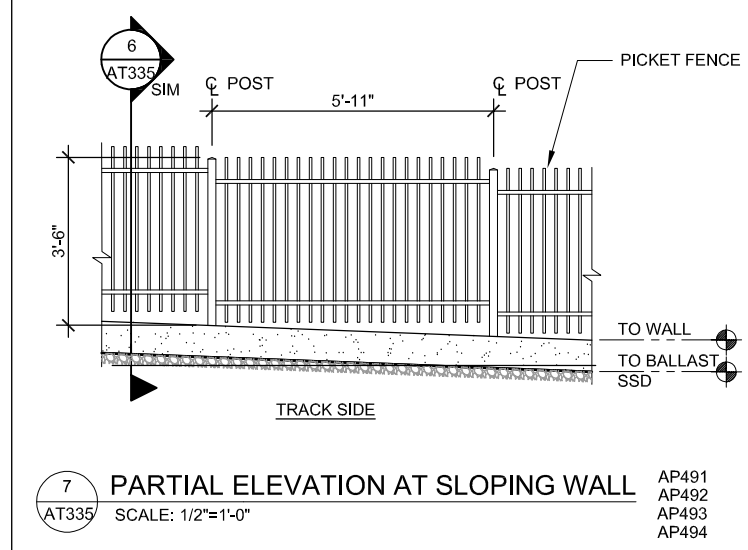
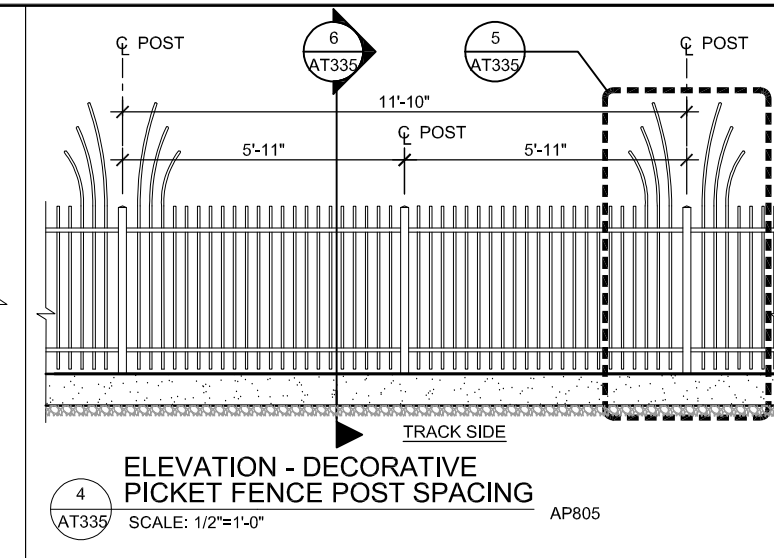
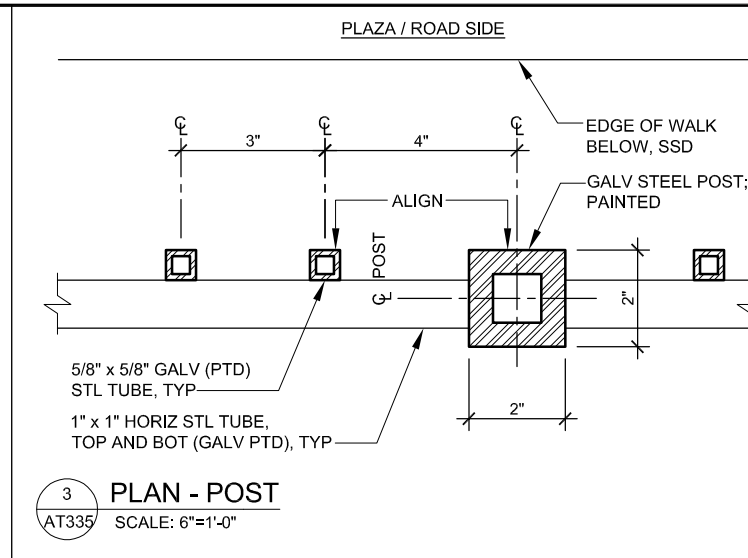
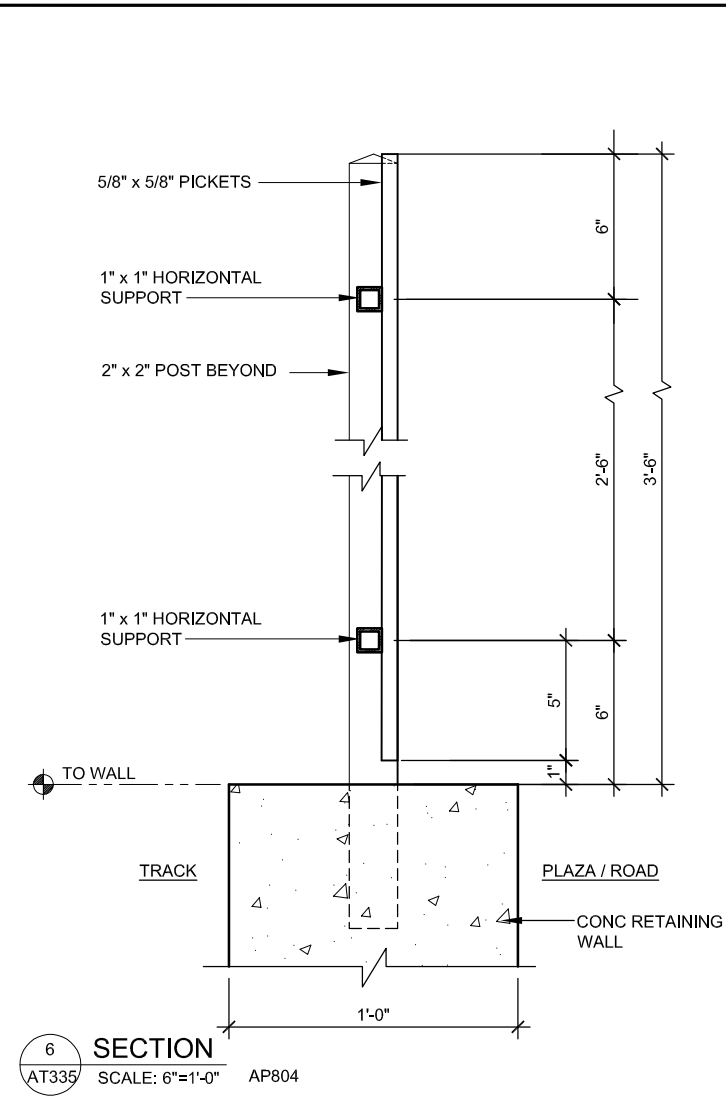
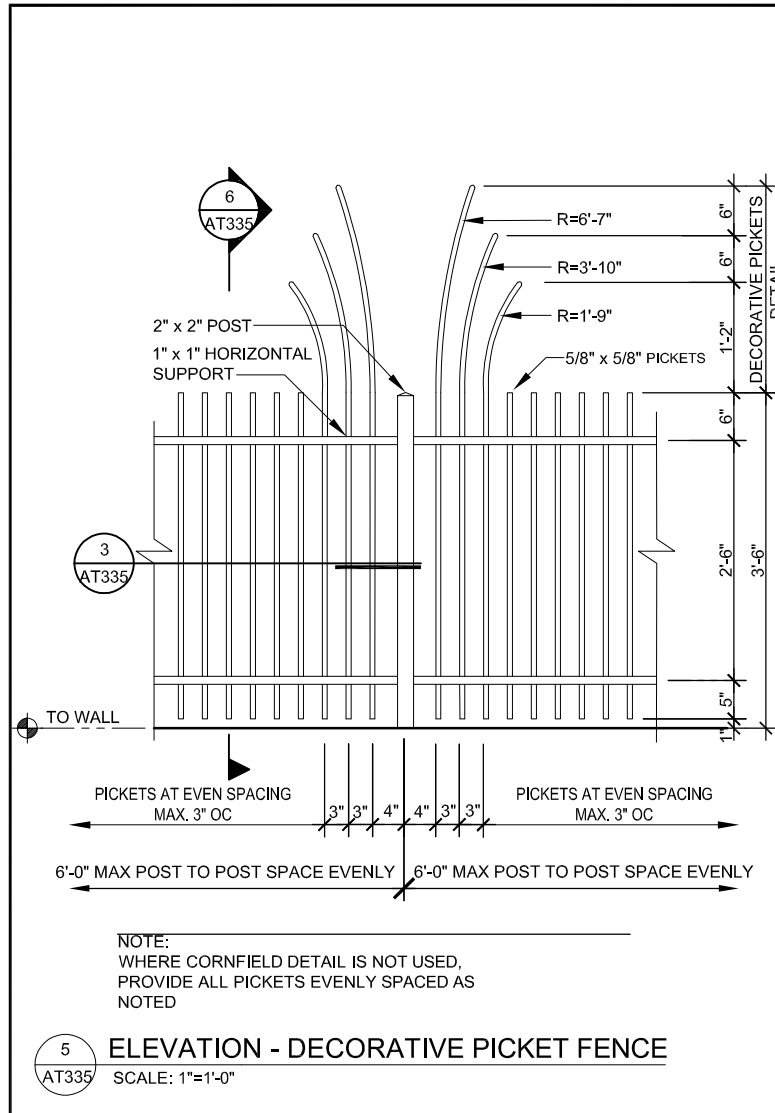
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SCALE: AS NOTED
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL - STORY STATION
ORNAMENTAL FENCE
DETAILS

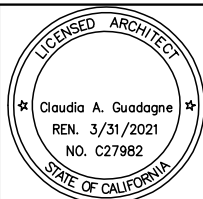
PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. AT334
REVISION	A

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A	06/20	95% SUBMITTAL SET



DESIGNED	M. Grindulo	CHECKED	C. Guadagne
DRAWN	J. Perez	CADD FILE NAME	801AT335.DWG



APPROVED	
CADD FILE DATE	SCALE
03/27/2020	AS NOTED
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL DECORATIVE PICKET FENCE DETAILS			SHEET OF DRAWING NO. AT335 REVISION A
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	

GENERAL NOTES

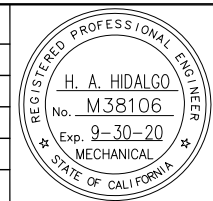
- IN CASE OF DIFFERENCE BETWEEN ASHRAE 90.1, BUILDING CODES, SPECIFICATIONS, INDUSTRY STANDARDS, UTILITY COMPANY REGULATIONS, FIRE INSURANCE CARRIER'S REQUIREMENTS AND CONTRACT DOCUMENTS, THE MOST STRINGENT SHALL GOVERN. PROMPTLY NOTIFY THE LLNL IN WRITING OF ANY SUCH DIFFERENCE.
- DUCTWORK, PIPING AND CONDUIT, AS SHOWN ON DRAWINGS ARE SCHEMATIC AND SHALL BE FABRICATED AND INSTALLED ON ACTUAL FIELD MEASUREMENT. DO NOT SCALE DRAWINGS FOR EXACT LOCATION OF PIPING. COORDINATE WITH OTHER TRADES AS REQUIRED.
- PLANS ARE BASED ON ANTICIPATED EQUIPMENT SIZE AND CONFIGURATION. SUBCONTRACTOR SHALL MODIFY ARRANGEMENT TO SUIT ACTUAL PURCHASED EQUIPMENT AS REQUIRED FOLLOWING THE CRITERIA ESTABLISHED BY THESE PLANS. DEPARTURES FROM THE CONTRACT DRAWING RESULTING FROM CHANGES IN EQUIPMENT SIZES AND CONFIGURATIONS, OR RE-ARRANGEMENTS TO ACCOMMODATE FIELD CONDITIONS SHALL BE SUBMITTED IN DETAIL FOR VTA'S APPROVAL.
- CONFORM TO LATEST NFPA 90A "STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATION SYSTEMS".
- ALL DUCTWORK AND ITS INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS' INSTRUCTION.
- PROVIDE VOLUME DAMPERS FOR EACH BRANCH DUCTWORK. VOLUME DAMPERS SHALL BE LOW LEAKAGE WITH SHAFT SEAL, AND REMOVABLE AND REVERSIBLE HANDLE.
- DUCT SIZES SHOWN ARE MINIMUM INSIDE DIMENSION.
- ALL SEAMS AND CONNECTIONS IN DUCTWORK AND INSULATION SHALL BE SEALED WITH TWO LAYERS OF FABRIC AND MASTIC.
- PROVIDE 1" ACOUSTICAL DUCT INTERNAL LINING IN SUPPLY AND RETURN DUCT FOR OR AS SHOWN ON THE DRAWING.
- EXACT LOCATION OF AIR OUTLETS/INLETS AND ACCESS PANELS SHALL BE COORDINATED WITH THE ARCHITECTURAL REFLECTED CEILING PLAN. COORDINATE REGISTERS AND DIFFUSERS WITH CEILING SUPPORTS MEMBERS AND LOCATE AIR OUTLETS/INLETS CLEAR OF CEILING MEMBERS.
- PROVIDE ALL TRANSITION IN DUCTWORK REQUIRED TO CROSS PIPING OR OTHER OBSTRUCTIONS. MAINTAIN EQUIVALENT CROSS-SECTIONAL AREA WITH MINIMUM DUCT SIZE 6" INSIDE DIMENSION. DUCT SHALL TRANSITION BACK TO ORIGINAL SIZE UPON PASSING ANY OBSTRUCTIONS.
- SUPPORTS FOR ALL DUCTWORK AND PIPING SHALL BE IN ACCORDANCE WITH THE LATEST SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PIPING SYSTEMS" AND MSS SP-58 AND SP-69. DUCTWORK AND PIPING HANGERS SHALL BE DESIGNED TO SUPPORT THE WEIGHT OF DUCTWORK AND PIPING INCLUDING THE WEIGHT OF THE CONTENTS OF THE DUCT AND PIPING.
- HANDLE, STORE AND INSTALL ALL EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS. ALL EQUIPMENT AND DUCTWORK SHALL BE PROTECTED FROM THE WEATHER ELEMENTS.
- SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE FUNCTIONALITY OF THE EQUIPMENT INCLUDING CONTROL ITEMS ASSOCIATED WITH THE PROJECT.
- PROVIDE EQUIPMENT CLEARANCES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.
- EQUIPMENT OF HIGHER ELECTRICAL CHARACTERISTICS MAY BE FURNISHED PROVIDED SUCH PROPOSED EQUIPMENT IS APPROVED IN WRITING AND CONNECTING ELECTRICAL SERVICES, CIRCUIT BREAKERS, AND CONDUIT SIZES ARE APPROPRIATELY MODIFIED WITHOUT COST TO VTA. IF MINIMUM ENERGY RATINGS OR EFFICIENCIES ARE SPECIFIED, EQUIPMENT SHALL COMPLY WITH REQUIREMENTS.
- SUBCONTRACTOR SHALL MAINTAIN RECORDED "AS-BUILT" INFORMATION ON ALL EXISTING SERVICES UNCOVERED DURING CONSTRUCTION AND ALL NEW SERVICES BEING INSTALLED. "AS-BUILT" INFORMATION SHALL BE CLEARLY MARKED IN COLORED PENCIL ON A PRINT OF THE CONTRACT DRAWING. RECORDED INFORMATION SHALL INCLUDE ROUTING AND INVERT ELEVATIONS. AT THE COMPLETION OF THE CONTRACT, THE SUBCONTRACTOR SHALL TURN RECORDED "AS-BUILT" INFORMATION OVER TO LLNL AND TO BE COORDINATED WITH AS BUILT REQUIREMENTS IN SPECIFICATION.
- DO NOT SLEEVE STRUCTURAL MEMBERS WITHOUT CONSENT OF VTA. REVIEW STRUCTURAL DRAWINGS PRIOR TO PLACING ANY SLEEVES.
- INSTALL ALL DUCTS CONCEALED IN FURRED CEILING UNLESS OTHERWISE INDICATED.
- COOPERATE WITH OTHER TRADES TO LOCATE EXPOSED PIPING RUNS, AIR OUTLET LOCATIONS, EXPOSED DUCT RUNS, ETC., TO FORM A FULLY COORDINATED CEILING PATTERN AND VISUAL APPEARANCE AS INDICATED ON ARCHITECTURAL DRAWINGS.
- SLOPE ALL PIPING AS INDICATED. TRUE TO LINE AND GRADE, AND FREE OF TRAPS AND AIR POCKETS.
- SECURELY FASTEN DUCTWORK AND PIPING WITHIN STRUCTURES TO THE BUILDING CONSTRUCTION BY MEANS OF HANGERS, SUPPORTS, GUIDES, ANCHORS, AND SWAY BRACES TO MAINTAIN DUCTWORK ALIGNMENT, TO PREVENT SAGGING, AND TO PREVENT NOISE AND EXCESSIVE STRAIN ON DUCTWORK AND PIPING DUE TO MOVEMENT UNDER OPERATING CONDITIONS.
- PROVIDE A HANGER NOT MORE THAN 12" FROM THE POINT OF CHANGE OF DIRECTION OF DUCTWORK AND PIPING RUN IN BOTH HORIZONTAL AND VERTICAL PLANE.
- CERTAIN VERTICAL AND HORIZONTAL OFFSETS ARE SHOWN IN DUCTWORK AND PIPING ON PLANS TO INDICATE THE GENERAL POSITION RELATIONSHIP OF THE SYSTEMS WITHIN THE CEILING SPACE. PROVIDE ADDITIONAL OFFSETS SIMILAR TO THOSE SHOWN, AS REQUIRED TO COORDINATE WITH INSTALLATION REQUIREMENTS OF OTHER SYSTEMS.
- PROVIDE NEMA PREMIUM EFFICIENT MOTOR FOR 1 HORSEPOWER AND BIGGER.
- ALL NEW MATERIALS AND EQUIPMENT INSTALLED ABOVE CEILING SHALL BE NON-COMBUSTIBLE AND U.L. APPROVED. ALL NEW WIRING SHALL BE NON-COMBUSTIBLE AND SHALL BE ENCLOSED IN METAL CONDUIT.
- PROVIDE READILY VISIBLE NON-FUSIBLE DISCONNECT SWITCHES FOR ALL NEW EQUIPMENT. COORDINATE WITH OTHER TRADES.
- PROVIDE GUARDS ON ALL V-BELT DRIVES, ROTATING SHAFTS, AND COUPLING IN ACCORDANCE WITH REQUIREMENTS OF THE STATE DIVISION OF INDUSTRIAL SAFETY.
- ALL DUCTWORK PASSING THROUGH RATED WALLS AND FLOORS SHALL BE PROVIDED WITH APPROVED TYPE FIRE DAMPERS OR FIRESMOKE DAMPERS.
- PROVIDE FLEXIBLE CONNECTIONS AT PIECES OF ISOLATED EQUIPMENT ONLY AS SHOWN ON THE FLOW DIAGRAM, DETAILS, OR AS SPECIFIED.
- PROVIDE A TIGHT SEAL OF INCOMBUSTIBLE MATERIAL AROUND ALL PIPES WHICH PENETRATE FIRE SEPARATIONS. PROVIDE COLLARS OR TRIM RINGS AROUND PIPING TO RETAIN PACKING.
- ALL DIMENSIONS SHOWN ON THE DRAWINGS ARE IN FEET AND INCHES UNLESS INDICATED OTHERWISE.
- PREPARE AND SUBMIT 1/4" OR LARGER SCALE COORDINATED COMPOSITE LAYOUTS SHOWING, ON BOTH PLAN AND ELEVATION, ALL DUCTS, PIPING (PLUMBING, MECHANICAL AND FIRE PROTECTION) AND CONDUITS SPECIALLY IN CONGESTED AREAS. CHECK ROUTING OF ALL DUCTWORK AND PIPING BEFORE FABRICATION.
- SUBMIT FOR APPROVAL ALL FIXTURES AND PIECES OF EQUIPMENT TO BE INSTALLED ON THE JOB. PROVIDE ALL REQUIRED SUBMITTAL DATA IN ONE COMPLETE SET.

MECHANICAL LEGEND

SYMBOL	ABBR.	DESCRIPTION	SYMBOL	ABBR.	DESCRIPTION
	POC/POD	POINT OF CONNECTION/POINT OF DEMOLITION		MS	MOTOR STARTER
		FURNISHED AND INSTALLED BY MECHANICAL		T'STAT	ZONE THERMOSTAT
		FURNISHED BY MECHANICAL AND INSTALLED BY ELECTRICAL			EQUIPMENT WALL-MOUNTED AUTO/ON/OFF SWITCH WITH PILOT LIGHT
		FURNISHED AND INSTALLED BY ELECTRICAL			ROOM/ZONE TEMPERATURE SENSOR
	CD	CONDENSATE DRAIN PIPE			SUPPLY AIR DIFFUSER WITH FLEXIBLE CONNECTION (DUCTWORK) X-TYPE OF AIR OUTLET (REFER TO AIR OUTLET SCHEDULE) Y-SUPPLY AIR FLOW RATE, CFM
	D	DRAIN PIPE			EXHAUST AIR GRILLE WITH DUCTWORK X-TYPE OF AIR OUTLET (REFER TO AIR OUTLET SCHEDULE) Y-EXHAUST AIR FLOW RATE, CFM
	CW	DOMESTIC COLD WATER PIPE			FLEXIBLE CONNECTION SEISMIC OR JOINT
		DIRECTION OF FLOW			DUCT RISE
	CL	CAPPED LINE			DUCT DROP
	DN	DOWN OR DROP			DUCT TRANSITION
	UP	RISE OR RISER			RECTANGULAR TO ROUND DUCT TRANSITION
		ENLARGER/REDUCER PIPE FITTING			DUCT WITH MANUAL VOLUME CONTROL DAMPER
		FLOOR SINK			UNIT/DUCT MOUNTED AIR TEMPERATURE SENSOR (AVERAGING TYPE)
		LOW VOLTAGE RELAY			CURRENT RELAY
		DUCTWORK (1ST NUMBER INDICATES SIDE SHOWN), NET INSIDE DIMENSION			MECHANICAL EQUIPMENT TAG
	6ø	ROUND DUCTWORK, NET INSIDE DIMENSION			NEW WORK KEYNOTE NUMBER
		ROUND DUCT UP			DETAIL/SECTION NUMBER/LETTER
		ROUND DUCT DOWN			DETAIL/SECTION SHEET NUMBER SHEET NUMBER, THE DETAIL/SECTION IS REFERENCED.
		SUPPLY AIR DUCT UP			SECTION REFERENCE SYMBOL
		SUPPLY AIR DUCT DOWN			
		EXHAUST AIR DUCT UP			
		EXHAUST AIR DUCT DOWN			
	SA	SUPPLY AIR DIFFUSER			
	RA/OA	RETURN AIR/OUTSIDE AIR REGISTER			
	EA	EXHAUST AIR REGISTER			
	SAG	SIDEWALL AIR GRILLE W/ AIRFLOW DIRECTION			
	FAN	FAN			

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EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT MECHANICAL GENERAL NOTES AND LEGEND		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

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DRAWING NO.	MM001
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ABBREVIATIONS

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
Ⓢ	AT	EMCS	ENERGY MANAGEMENT AND CONTROL SYSTEM	(N)	NEW
ABBREV	ABBREVIATIONS	ENT	ENTERING	NA	NOT APPLICABLE
ABV	ABOVE	EPA	ENVIRONMENTAL PROTECTION AGENCY	NC	NORMALLY CLOSED/NOISE CRITERIA
ACU	AIR CONDITIONING UNIT	EQUIP	EQUIPMENT	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
ACCU	AIR-COOLED CONDENSING UNIT	ESP	EXTERNAL STATIC PRESSURE	NO	NORMALLY OPEN
ADJ	ADJUSTABLE	EXH	EXHAUST	NOM	NOMINAL
AFF	ABOVE FINISHED FLOOR	°F	DEGREES FAHRENHEIT	NSF 61	NATIONAL SANITATION FOUNDATION – DRINKING WATER SYSTEM COMPONENTS – HEALTH EFFECTS
AI	ANALOG INPUT	FCU	FAN COIL UNIT	OA	OUTSIDE AIR
AMPS	AMPERES	Fdb	FAHRENHEIT DRY BULB	OAT	OUTSIDE AIR TEMPERATURE
APPROX	APPROXIMATE	FIN	FINISH	OC	ON CENTER
AS	AIR SEPARATOR	FLR	FLOOR	ORD	ORDER
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS	FM	FACTORY MUTUAL / FLOW METER	ORP	OXIDATION-REDUCTION POTENTIAL
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	FPM	FEET PER MINUTE	%	PERCENT
AWWA	AMERICAN WATER WORKS ASSOCIATION	FS	FLOOR SINK	PD	PRESSURE DROP
BDD	BACKDRAFT DAMPER	FSD	FIRE SMOKE DAMPER	PH	PHASE
BLDG	BUILDING	FT	FEET	PI	PRESSURE INDEPENDENT / PROPORTIONAL-INTEGRAL
BLW	BELOW	GA	GAUGE	PID	PROPORTIONAL-INTEGRAL-DERIVATIVE
BOD	BOTTOM OF DUCT	GALV	GALVANIZED	POC	POINT OF CONNECTION
BOI	BOTTOM OF INSULATION (DUCT/PIPE)	GI	GALVANIZED IRON	PSI	POUNDS PER SQUARE INCH
BOP	BOTTOM OF PIPE	GPM	GALLONS PER MINUTE	PSIG	POUNDS PER SQUARE INCH, GAGE
BTU	BRITISH THERMAL UNIT	HP	HORSEPOWER	PVC	POLYVINYL CHLORIDE PLASTIC
BTUH	BRITISH THERMAL UNITS PER HOUR	HVAC	HEATING, VENTILATION AND AIR CONDITIONING	QTY	QUANTITY
CAP	CAPACITY	HZ	HERTZ	RG	REFRIGERANT GAS
CAV	CONSTANT AIR VOLUME	ø/ID	INSIDE DIAMETER / IDENTIFICATION	RH	RELATIVE HUMIDITY/REHEAT COIL
CB	COMMUNICATION BUS	I/O	INPUT/OUTPUT	RL	REFRIGERANT LIQUID
CBC	CALIFORNIA BUILDING CODE	IBC	INTERNATIONAL BUILDING CODE	RLA	RATED LOAD AMPERAGE
CFM	CUBIC FEET PER MINUTE	IMC	INTERNATIONAL MECHANICAL CODE	RPM	REVOLUTIONS PER MINUTE
CH	CHILLER	IN	INCH	RS	REFRIGERANT SUCTION
CHW	CHILLED WATER	IPC	INTERNATIONAL PLUMBING CODE	SA	SUPPLY AIR
CHWP	CHILLED WATER PUMP	IT	INFORMATION TECHNOLOGY	SAD	SUPPLY AIR DUCT
CMC	CALIFORNIA MECHANICAL CODE	KW	KILOWATT	SAG	SUPPLY AIR GRILLE
CO	CARBON MONOXIDE / CLEANOUT	L	LITER	SCH	SCHEDULE
CPC	CALIFORNIA PLUBING CODE	LAT	LEAVING AIR TEMPERATURE	SEER	SEASONAL ENERGY EFFICIENCY RATING
COMM	COMMUNICATION	LBS	POUNDS	SM	SHEET METAL
CONN	CONNECTION	LVG	LEAVING	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
CONT	CONTINUATION	LxWxH	LENGTH x WIDTH x HEIGHT	SPECS	SPECIFICATION
D	DRAIN	LWT	LEAVING WATER TEMPERATURE	SPT	SETPOINT
DAT	DISCHARGE AIR TEMPERATURE	M	METERS	SQ	SQUARE
DB	DRY BULB	MAINT	MAINTENANCE	STD	STANDARD
dBA	DECIBEL A-WEIGHT	MAT	MIXED AIR TEMPERATURE	STRUC	STRUCTURAL
DDC	DIRECT DIGITAL CONTROL	MAX	MAXIMUM	T	TEMPERATURE
DEG	DEGREES	MBH	MEGA BRITISH THERMAL UNIT PER HOUR / THOUSAND BTU PER HOUR	TEFC	TOTALLY ENCLOSED FAN-COOLED
DI	DIGITAL INPUT	MCA	MINIMUM CIRCUIT AMPERE	TEMP	TEMPERATURE
DIA ø	DIAMETER	MIN	MINIMUM	T'STAT	THERMOSTAT
DIM	DIMENSION	MOC	MAXIMUM OVERCURRENT PROTECTION	TYP	TYPICAL
D/L	DOOR LOUVER (WITH AIRFLOW DIRECTION)	MS/TP	MASTER-SLAVE / TOKEN-PASSING	UC	DOOR UNDERCUT (WITH AIRFLOW DIRECTION)
DN	DOWN	MSS	MANUFACTURERS STANDARD SOCIETY	UL	UNDERWRITERS LABORATORY
DO	DIGITAL OUTPUT	MSS SP-58	PIPE HANGERS AND SUPPORTS – MATERIALS DESIGN AND MANUFACTURE	UNO	UNLESS NOTED OTHERWISE
DP	DIFFERENTIAL PRESSURE	MSS SP-69	PIPE HANGERS AND SUPPORTS – SELECTION AND APPLICATION	V	VOLTAGE
DWGS	DRAWINGS			VD	MANUAL VOLUME DAMPER
(E)	EXISTING			VDC	VOLTS DIRECT CURRENT
EA	EXHAUST AIR			VEL	VELOCITY
EAD	EXHAUST AIR DUCT			VOC	VOLATILE ORGANIC COMPOUNDS
EAT	ENTERING AIR TEMPERATURE			VRF	VARIABLE REFRIGERANT FLOW
EC	ELECTRONICALLY COMMUTED			W	WATT
EF	EXHAUST FAN			W/	WITH
ELEV	ELEVATION			WB	WET BULB
				WK	WORK

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DESIGNED H. HIDALGO	CHECKED P. MALLILLIN
DRAWN R. HEYER	CADD FILE NAME 801MM002.DWG



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EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT MECHANICAL ABBREVIATIONS		
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GRAVITY VENTILATOR SCHEDULE

EQUIP. I.D.	BUILDING/ LOCATION	AREA SERVE	TYPE	AIR FLOW RATE	THROAT VELOCITY	THROAT SIZE LENGTH X WIDTH	WEIGHT	REMARKS	MANUFACTURER OR APPROVED EQUAL
				CFM	FPM	IN.			
GV 1	STORY STATION SIGNALS/COMM ROOM ROOF	REFER TO DRAWING	SPUN ALUMINUM GRAVITY INTAKE	110	297	8	22	SEE NOTES BELOW	GREENHECK MODEL GR5I-8
GV 2	STORY STATION SIGNALS/COMM ROOM ROOF	REFER TO DRAWING	SPUN ALUMINUM GRAVITY EXHAUST	100	270	8	22	SEE NOTES BELOW	GREENHECK MODEL GR5R-8
GV 3	EASTRIDGE STATION SIGNALS/COMM ROOM ROOF	REFER TO DRAWING	SPUN ALUMINUM GRAVITY INTAKE	110	297	8	22	SEE NOTES BELOW	GREENHECK MODEL GR5I-8

- NOTES:
 1. PROVIDE 1" INSULATED ROOF CURB AND RUBBER CAP STRIPPING.
 2. PROVIDE 1" THICK HOOD INSULATION AND BIRD SCREEN.

SPLIT SYSTEM AIR CONDITIONING UNIT (OUTDOOR UNIT - VRF HEAT PUMP) SCHEDULE

EQUIP. NO.	BUILDING SERVED	SERVICE FCU NO.	TYPE	COOLING TOTAL CAPACITY		HEATING CAPACITY MBH	FAN MOTOR		AMB TEMP F		COMPRESSOR			REFR. TYPE	ELECTRICAL VOLT-PH-HZ	TOTAL EST. WT. LBS.	REMARKS	MANUFACTURER OR APPROVED EQUAL
				TOTAL	SENS.		QTY	WATT	DB	WB	QTY	EACH						
				QTY	WATT		DB	WB	RLA	LRA								
ACCU-1	STORY STATION	FCU-1 & FCU-2	OUTDOOR VRF HEAT PUMP SYSTEM	71	67	65	1	630	86	65	1	14.3	-	R410A	208-1-60	410	SEE NOTES BELOW	SAMSUNG MODEL AM072FXVAFH2AA
ACCU-2	EASTRIDGE STATION	FCU-3 & FCU-4 & FCU-5	OUTDOOR VRF HEAT PUMP SYSTEM	99	96	93	2	620	86	65	2	12.5	-	R410A	208-3-60	620	SEE NOTES BELOW	SAMSUNG MODEL AM096FXVAFH2AA

- NOTES:
 1. PROVIDE NON-FUSIBLE DISCONNECT SWITCH.
 2. PROVIDE REFRIGERANT PIPING COMPLETE WITH INSULATION PER MANUFACTURER'S RECOMMENDATION ON SIZES AND ACCESSORIES.
 3. PROVIDE CONTROL AND INTERLOCKED SYSTEM WITH THE FCU.
 4. PROVIDE VIBRATION ISOLATION RUBBER PAD AND SEISMICALLY ANCHOR ACCU TO CONCRETE HOUSEKEEPING PAD.
 5. ACCU-1 MINIMUM CIRCUIT AMPACITY SHALL BE 28 AMPS.
 6. ACCU-2 MINIMUM CIRCUIT AMPACITY SHALL BE 38 AMPS.

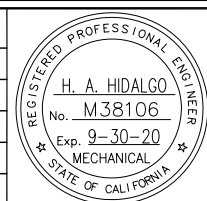
SPLIT SYSTEM AIR CONDITIONING UNIT (INDOOR UNIT - VRF HEAT PUMP) SCHEDULE

EQUIP. NO.	BUILDING SERVED	TYPE	SUPPLY FAN			REFRIGERANT COIL								SUPPLEMENTAL ELECTRICAL HEATER		MIN. OA CFM	MIN. CURRENT INPUT, @ 208V/1PH/60HZ	TOTAL EST. WT. LBS.	REMARKS	MANUFACTURER OR APPROVED EQUAL	
			AIR FLOW CFM	EXT. S.P. INCH W.C.	FAN MOTOR WATTS	COOLING DATA				HEATING DATA				KW	VOLT-PH-HZ						
						TOTAL MBH	SENSIBLE MBH	EAT F DB	LAT F WB	TOTAL MBH	EAT F DB	LAT F DB									
						DB	WB	DB	WB	DB	WB										
FCU-1	STORY STATION COMM/SIGNAL ROOM	CEILING CASSETTE	1825	FREE DISCHARGE	97	46	43	76	61	55	51	42	68	85	NA	NA	80	1	60	SEE NOTES BELOW	SAMSUNG MODEL AM048RN4DCH/AA
FCU-2	STORY STATION IT ROOM	CEILING SUSPENDED	1034	FREE DISCHARGE	260	26	25	76	60	55	51	24	68	85	NA	NA	30	1	74	SEE NOTES BELOW	SAMSUNG MODEL AM036JNCDCH/AA
FCU-3	EASTRIDGE STATION COMM/SIGNAL ROOM	CEILING CASSETTE	1427	FREE DISCHARGE	97	36	30	76	61	55	51	33	68	85	NA	NA	35	1	60	SEE NOTES BELOW	SAMSUNG MODEL AM036RN4DCH/AA
FCU-4	EASTRIDGE STATION IT ROOM	CEILING CASSETTE	1427	FREE DISCHARGE	97	36	30	76	61	55	51	33	68	85	NA	NA	35	1	60	SEE NOTES BELOW	SAMSUNG MODEL AM036RN4DCH/AA
FCU-5	EASTRIDGE STATION IT ROOM	CEILING SUSPENDED	1243	FREE DISCHARGE	260	31	30	76	60	55	51	29	68	85	NA	NA	30	1	74	SEE NOTES BELOW	SAMSUNG MODEL AM036JNCDCH/AA

- NOTES:
 1. FCU SHALL BE VRF HEAT PUMP SYSTEM.
 2. PROVIDE WIRED ROOM REMOTE CONTROLLER AND ELECTRICAL DISCONNECT SWITCH.
 3. PROVIDE FACIA PANEL - WIND FREE.
 4. PROVIDE RG AND RL REFRIGERANT PIPING COMPLETE WITH INSULATION AND ACCESSORIES FROM AND TO OUTDOOR UNIT.
 5. PROVIDE 1" CONDENSATE DRAIN PIPING COMPLETE WITH INSULATION.
 6. PROVIDE CONTROL AND INTERLOCKED SYSTEM WITH THE ACCU.
 7. PROVIDE VIBRATION ISOLATORS, SUPPORTS AND SEISMIC BRACING.
 8. PROVIDE OUTDOOR AIR INTAKE KIT FOR OUTDOOR AIR DUCT CONNECTION TO ALL CEILING CASSETTE FAN COIL UNITS.

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EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT MECHANICAL EQUIPMENT SCHEDULES		
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AIR OUTLET SCHEDULE

SYMBOL	TYPE	THROW TYPE	AIRFLOW RANGE	SIZE	NECK SIZE	REMARKS
			CFM	INCHES	INCHES	
A1	EXHAUST AIR GRILLE - STEEL, 1/2" SPACING	30 DEGREE DEFLECTION	50 - 110	6x6	6x6	TITUS MODEL 25RL OR EQUAL WITH OPPOSED BLADE CONTROL DAMPER.
A2	EXHAUST AIR GRILLE - STEEL, 1/2" SPACING	30 DEGREE DEFLECTION	800	16x16	16x16	
A3	EXHAUST AIR GRILLE - STEEL, 1/2" SPACING	30 DEGREE DEFLECTION	900 - 1100	24x12	24x12	
A4	EXHAUST AIR GRILLE - STEEL, 1/2" SPACING	30 DEGREE DEFLECTION	1000-1200	18x18	18x18	
B1	OUTDOOR AIR INTAKE WEATHERPROOF WALL LOUVER	45 DEGREE DEFLECTION	100	12x12	12x12	LOUVER SHALL HAVE MINIMUM NET FREE AREA OF 0.29 SQ. FT. PROVIDE INSECT SCREEN. LOUVER SHALL BE GREENHECK MODEL ESJ-401 OR APPROVED EQUAL. SEE NOTE 1.
B2	OUTDOOR AIR INTAKE WEATHERPROOF WALL LOUVER	45 DEGREE DEFLECTION	1600	39x24	39x24	LOUVER SHALL HAVE MINIMUM NET FREE AREA OF 2.94 SQ. FT. PROVIDE INSECT SCREEN. LOUVER SHALL BE GREENHECK MODEL ESJ-401 OR APPROVED EQUAL. SEE NOTE 1.
B3	OUTDOOR AIR INTAKE WEATHERPROOF WALL LOUVER	45 DEGREE DEFLECTION	2000	37x30	37x30	LOUVER SHALL HAVE MINIMUM NET FREE AREA OF 3.74 SQ. FT. PROVIDE INSECT SCREEN. LOUVER SHALL BE GREENHECK MODEL ESJ-401 OR APPROVED EQUAL. SEE NOTE 1.
C1	EXHAUST AIR WEATHERPROOF WALL LOUVER	45 DEGREE DEFLECTION	100	12x12	12x12	LOUVER SHALL HAVE MINIMUM NET FREE AREA OF 0.29 SQ. FT. PROVIDE INSECT SCREEN. LOUVER SHALL BE GREENHECK MODEL ESJ-401 OR APPROVED EQUAL. SEE NOTE 1.
C2	EXHAUST AIR WEATHERPROOF WALL LOUVER	45 DEGREE DEFLECTION	1600	36x24	36x24	LOUVER SHALL HAVE MINIMUM NET FREE AREA OF 2.69 SQ. FT. PROVIDE INSECT SCREEN. LOUVER SHALL BE GREENHECK MODEL ESJ-401 OR APPROVED EQUAL. SEE NOTE 1.
C3	EXHAUST AIR WEATHERPROOF WALL LOUVER	45 DEGREE DEFLECTION	2000	34x30	34x30	LOUVER SHALL HAVE MINIMUM NET FREE AREA OF 3.41 SQ. FT. PROVIDE INSECT SCREEN. LOUVER SHALL BE GREENHECK MODEL ESJ-401 OR APPROVED EQUAL. SEE NOTE 1.
C4	EXHAUST AIR WEATHERPROOF WALL LOUVER	45 DEGREE DEFLECTION	1000	36x18	36x18	LOUVER SHALL HAVE MINIMUM NET FREE AREA OF 1.88 SQ. FT. PROVIDE INSECT SCREEN. LOUVER SHALL BE GREENHECK MODEL ESJ-401 OR APPROVED EQUAL.

NOTES:

- LOUVER HEIGHT SHALL BE 9 FEET FROM BOTTOM OF LOUVER TO FINISH FLOOR.

MECHANICAL VENTILATION FAN SCHEDULE

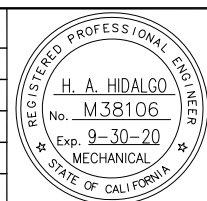
EQUIP. NUMBER	LOCATION / AREA SERVED	FAN TYPE	AIR FLOW CFM	TOTAL EXT. S.P. IN. W.G.	FAN RPM	DRIVE TYPE	ELECTRICAL		MAXIMUM RADIATED SOUND LEVEL	TOTAL EST. WT., LBS.	REMARKS	MANUFACTURER OR APPROVED EQUAL
							MOTOR HP	VOLT/PH/HZ				
EF 1	STORY STATION - GROUND FLOOR / ELEVATOR MACHINE ROOM #1	CENTRIFUGAL INLINE FAN	1600	0.25	1010	BELT	1/4	115/1/60	55 / 7.2	110	SEE NOTES 1, 2, 3, 4	GREENHECK MODEL BSQ-140-4
EF 2	STORY STATION - GROUND FLOOR / COMM ROOM #1	CEILING EXHAUST FAN	100	0.25	1058	DIRECT	18 WATTS	115/1/60	- / 0.6	20	SEE NOTES 1, 6	GREENHECK MODEL SP-A125
EF 3	STORY STATION - GROUND FLOOR / ELEVATOR MACHINE ROOM #2	CENTRIFUGAL INLINE FAN	1600	0.25	1010	BELT	1/4	115/1/60	55 / 7.2	110	SEE NOTES 1, 2, 3, 4	GREENHECK MODEL BSQ-140-4
EF 4	STORY STATION - GROUND FLOOR / COMM ROOM #2	CEILING EXHAUST FAN	100	0.25	1058	DIRECT	18 WATTS	115/1/60	- / 0.6	20	SEE NOTES 1, 6	GREENHECK MODEL SP-A125
EF 5	STORY STATION - GROUND FLOOR / ELEVATOR MACHINE ROOM #3	CENTRIFUGAL INLINE FAN	1600	0.25	1010	BELT	1/4	115/1/60	55 / 7.2	110	SEE NOTES 1, 2, 3, 4	GREENHECK MODEL BSQ-140-4
EF 6	STORY STATION - GROUND FLOOR / ELECTRICAL ROOM	CENTRIFUGAL INLINE FAN	2000	0.25	1204	BELT	1/2	115/1/60	58 / 8.8	120	SEE NOTES 1, 2, 3, 4	GREENHECK MODEL BSQ-140-5
EF 7	STORY STATION - GROUND FLOOR / STORAGE ROOM #1	CEILING EXHAUST FAN	100	0.25	1058	DIRECT	18 WATTS	115/1/60	- / 0.6	20	SEE NOTES 1, 6	GREENHECK MODEL SP-A125
EF 8	STORY STATION - PLATFORM LEVEL / MAINT CLO	CEILING EXHAUST FAN	100	0.25	1058	DIRECT	18 WATTS	115/1/60	- / 0.6	20	SEE NOTES 1, 5, 6	GREENHECK MODEL SP-A125
EF 9	EASTRIDGE STATION - PLATFORM LEVEL / ELECTRICAL ROOM	CENTRIFUGAL SIDEWALL EXHAUST FAN	1000	0.25	1453	BELT	1/4	115/1/60	58 / 9.3	85	SEE NOTES 4, 7, 8	GREENHECK MODEL CUBE-101-4
SF 1	STORY STATION SIGNALS / COMM ROOM & IT ROOM	INLINE CABINET SUPPLY FAN	110	0.25	1070	DIRECT	22 WATTS	115/1/60	- / 0.7	20	SEE NOTES 1, 9, 5	GREENHECK MODEL CSP-A190
SF 2	EASTRIDGE STATION SIGNALS / COMM ROOM & IT ROOM	INLINE CABINET SUPPLY FAN	100	0.25	933	DIRECT	19 WATTS	115/1/60	- / 0.7	20	SEE NOTES 1, 9, 5	GREENHECK MODEL CSP-A110

NOTES:

- VENTILATION FAN AND MOTOR SHALL BE INDOOR TYPE.
- PROVIDE MOTOR COVER, AUTO BELT TENSIONER, GRAVITY BACKDRAFT DAMPER, SPRING TYPE VIBRATION ISOLATOR, EXTERNAL METALLIC LIQUID-TITE WIRING PIGTAIL, INLET AND OUTLET GUARDS, BRACKETS AND SEISMIC BRACING SUPPORT.
- PROVIDE 1-INCH THICK INSULATED ACOUSTIC FAN HOUSING.
- PROVIDE WALL MOUNTED THERMOSTAT WITH LCD DISPLAY FOR FAN ON/OFF AUTOMATIC OPERATION INTERLOCK.
- PROVIDE WALL MOUNTED ONE FUNCTION TYPE SWITCH WITH PILOT LIGHT SINGLE POLE ROCKER FOR FAN ON/OFF OPERATION.
- PROVIDE ALUMINUM WHEEL MATERIAL, STAINLESS STEEL CEILING GRILLE, SPEED CONTROLLER, GRAVITY BACKDRAFT DAMPER, HANGER SPRING TYPE VIBRATION ISOLATOR, BRACKETS AND SEISMIC BRACING SUPPORT.
- VENTILATION FAN AND MOTOR SHALL BE OUTDOOR TYPE.
- PROVIDE NON-FUSIBLE DISCONNECT SWITCH, SEISMIC RATED DESIGN CATEGORY F PER IBC-2006 & ASCE 7-05, GRAVITY DAMPER, METALLIC LIQUID-TITE WIRING PIGTAIL, STAINLESS STEEL WALL GRILLE, GRIP NOTCH BELTS, AND AUTO BELT TENSIONER.
- PROVIDE SPEED CONTROLLER, GRAVITY BACKDRAFT DAMPER, HANGER SPRING TYPE VIBRATION ISOLATOR, BRACKETS AND SEISMIC BRACING SUPPORT.

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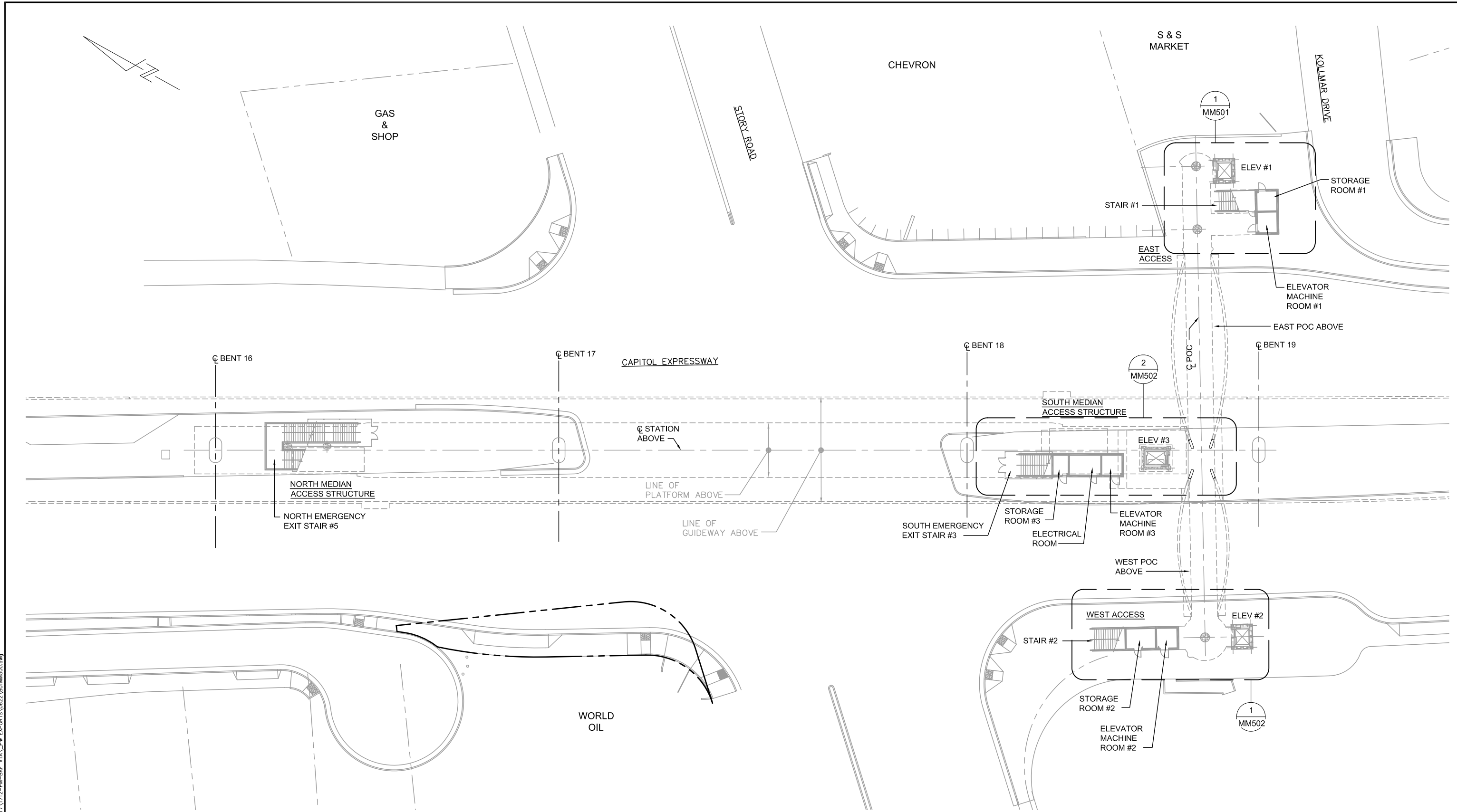
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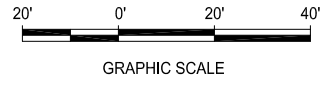
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REVISION		C

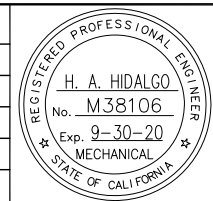
Revis: Jun 22, 2020 - 6:09am F:\X_Projects\2017\172-PH-BKF_VTA_PW_EXPORTS\0622_801MM500.dwg



1 MECHANICAL - STORY STATION GROUND FLOOR KEY PLAN
 MM500 SCALE 1"=20'-0"



NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED	
YEI ENGINEERS	
DESIGNED	CHECKED
H. HIDALGO	P. MALLILLIN
DRAWN	CADD FILE NAME
R. HEYER	801MM500.DWG

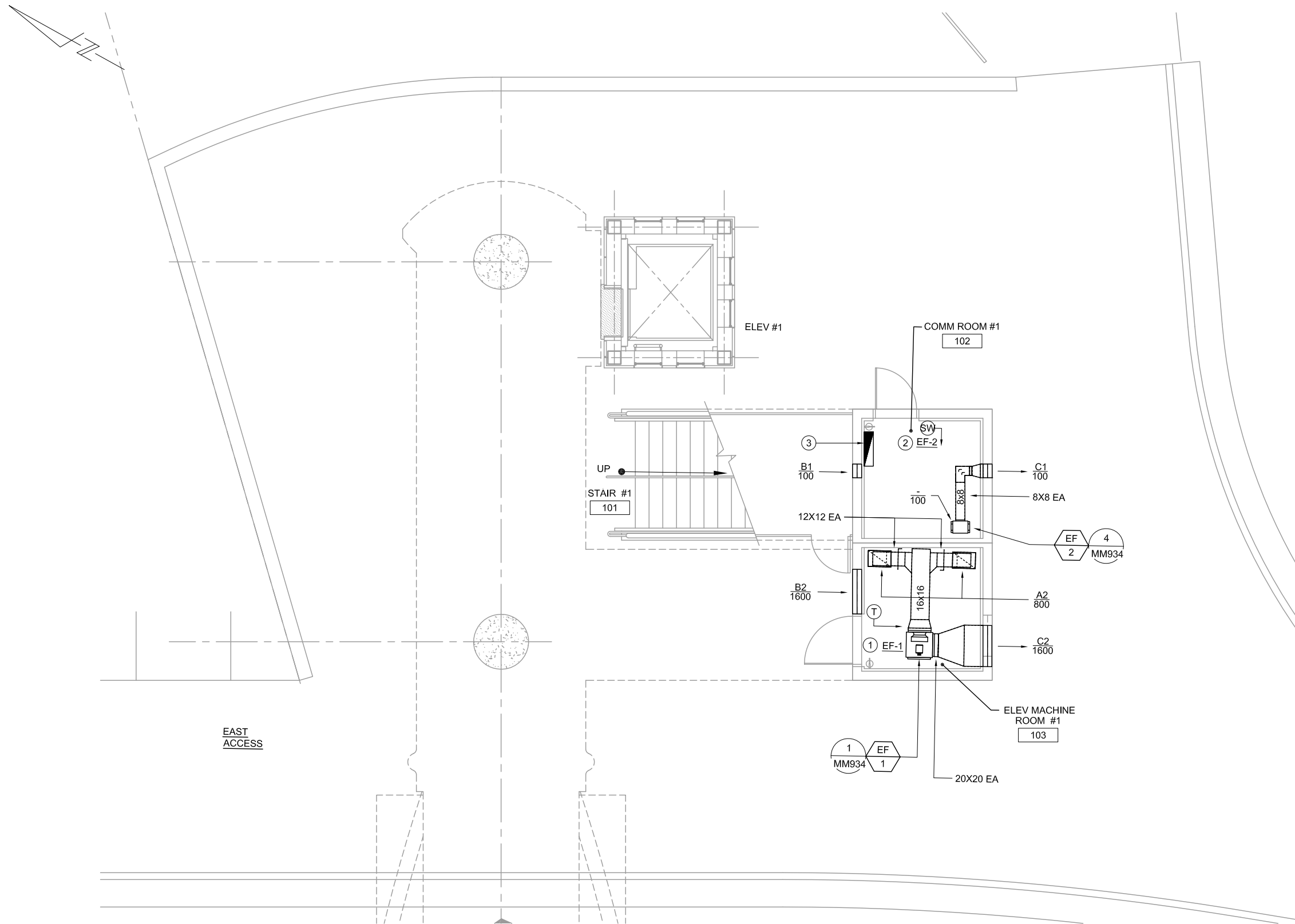


APPROVED	
BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
11/05/18	1"=20'-0"
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

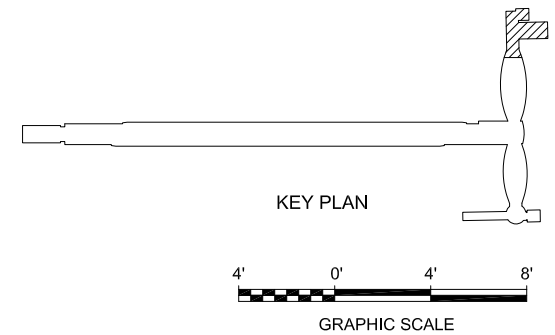
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT MECHANICAL - STORY STATION GROUND FLOOR KEY PLAN		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE
SHEET OF	DRAWING NO.	REVISION
	MM500	C

KEY NOTES:

- ① INSTALL WALL MOUNTED WIRE ROOM THERMOSTAT AT 48" ABOVE FINISHED FLOOR LEVEL.
- ② INSTALL WALL MOUNTED EXHAUST FAN ON/OFF SWITCH WITH PILOT LIGHT AT 48" ABOVE FINISHED FLOOR LEVEL.
- ③ HVAC DDC CONTROLLER SERVING MECHANICAL VENTILATION FANS, THERMOSTAT, ELEVATOR HYDRAULIC OIL LEAK DETECTION SYSTEM, AND INDUSTRIAL WASTE WET WELL FLOAT SWITCH.

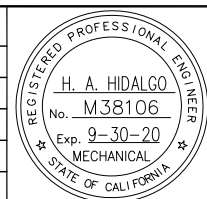


1 MECHANICAL GROUND FLOOR ENLARGED PLAN
MM501 SCALE 1/4"=1'-0"



Revis: Jun 22, 2020 - 6:09pm F:\X_Projects\2017\172-PM-BKF_VTA_PW_EXPORTS\0622\801MM501.dwg

NO.	DATE	REVISIONS
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B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET

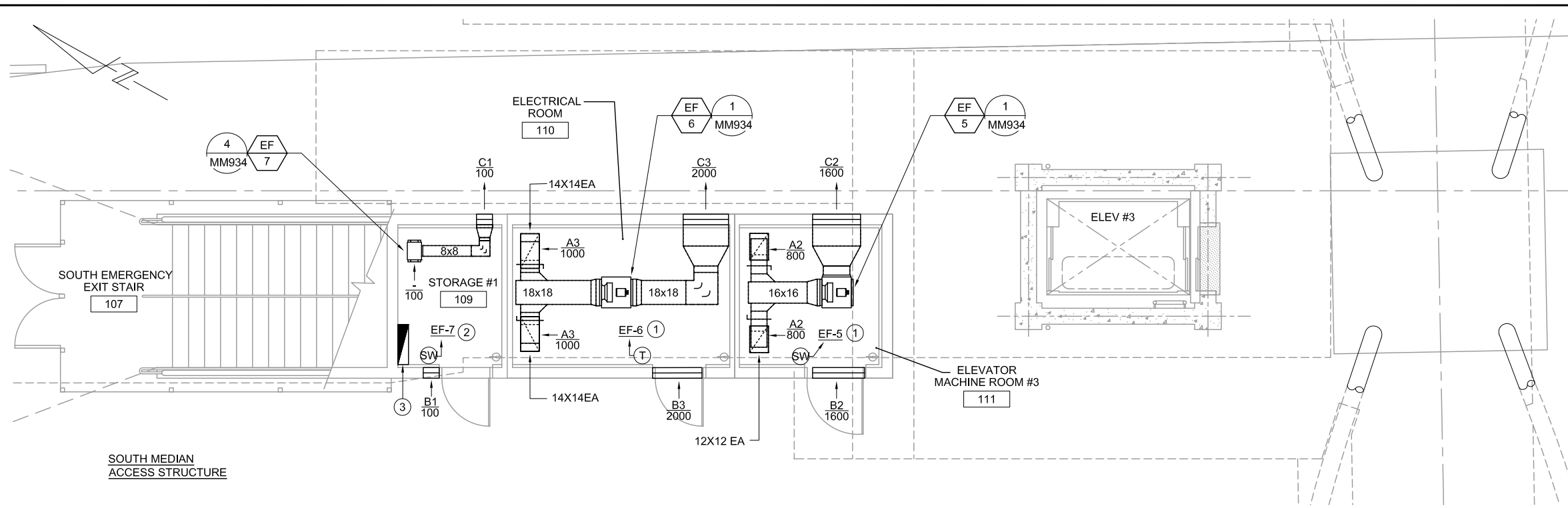


DESIGNED H. HIDALGO		CHECKED P. MALLILLIN	
DRAWN R. HEYER		CADD FILE NAME 801MM501.DWG	



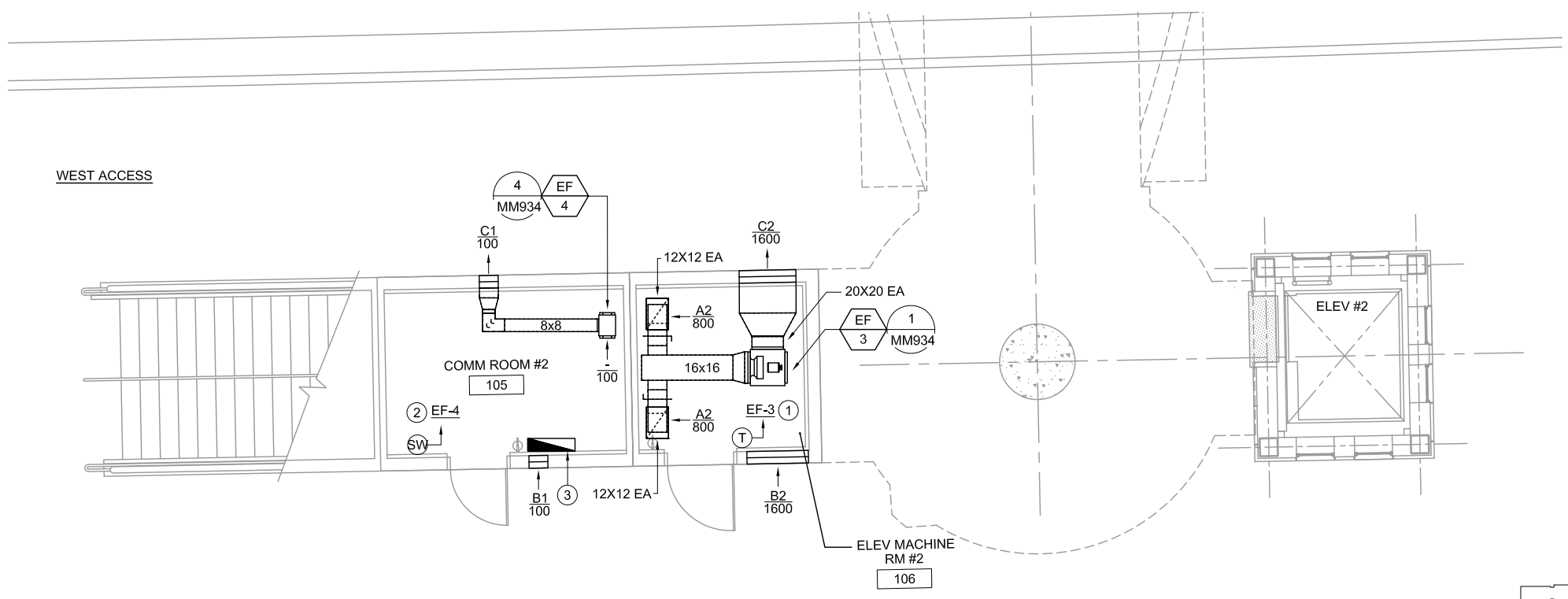
APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 11/05/18	SCALE 1/4" = 1'-0"
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT MECHANICAL - STORY STATION GROUND FLOOR SHEET 1 OF 2			SHEET OF DRAWING NO. MM501 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

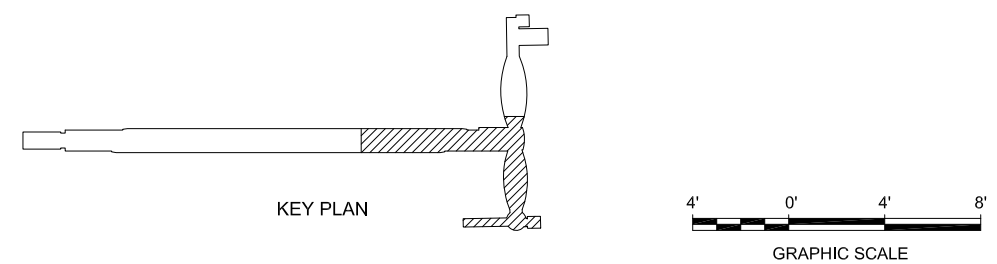


2 MECHANICAL GROUND FLOOR ENLARGED PLAN
MM502 SCALE 1/4"=1'-0"

- KEY NOTES:**
- 1 INSTALL WALL MOUNTED WIRE ROOM THERMOSTAT AT 48" ABOVE FINISHED FLOOR LEVEL.
 - 2 INSTALL WALL MOUNTED EXHAUST FAN ON/OFF SWITCH WITH PILOT LIGHT AT 48" ABOVE FINISHED FLOOR LEVEL.
 - 3 HVAC DDC CONTROLLER SERVING MECHANICAL VENTILATION FANS, THERMOSTAT, ELEVATOR HYDRAULIC OIL LEAK DETECTION SYSTEM, AND INDUSTRIAL WASTE WET WELL FLOAT SWITCH.

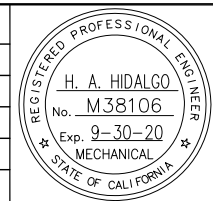


1 MECHANICAL GROUND FLOOR ENLARGED PLAN
MM502 SCALE 1/4"=1'-0"



Revis: Jun 22, 2020 - 6:09am F:\X_Projects\2017\1712-PM-BKF_VTA_PW_EXPORTS\0622\801MM502.dwg

NO.	DATE	REVISIONS
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B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



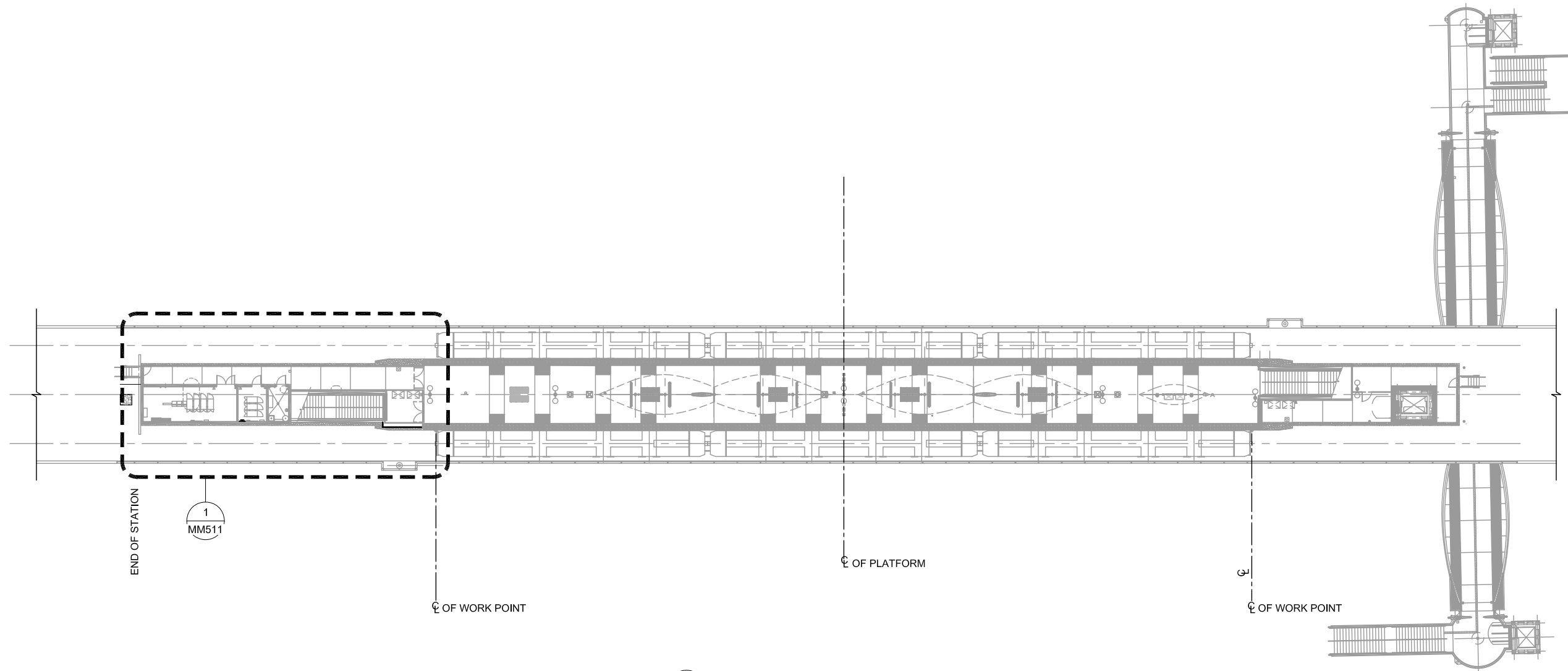
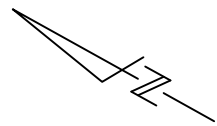
SUBMITTED	
YEI ENGINEERS	
DESIGNED	CHECKED
H. HIDALGO	P. MALLILLIN
DRAWN	CADD FILE NAME
R. HEYER	801MM502.DWG



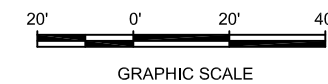
APPROVED	
BKF 100+ YEARS	
ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
11/05/18	1/4" = 1'-0"
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT		
MECHANICAL - STORY STATION GROUND FLOOR		
SHEET 2 OF 2		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	MM502
REVISION	C

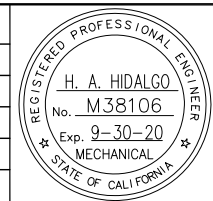


1 KEY PLAN - PLATFORM LEVEL
MM510 SCALE 1"=20'-0"



Root: Jun 22, 2020 - 6:09am F:\X_Projects\2017\172-PH-BKF_VTA_PW_EXPORTS\0622\801MM510.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED	
DESIGNED	CHECKED
H. HIDALGO	P. MALLILIN
DRAWN	CADD FILE NAME
R. HEYER	801MM510.DWG



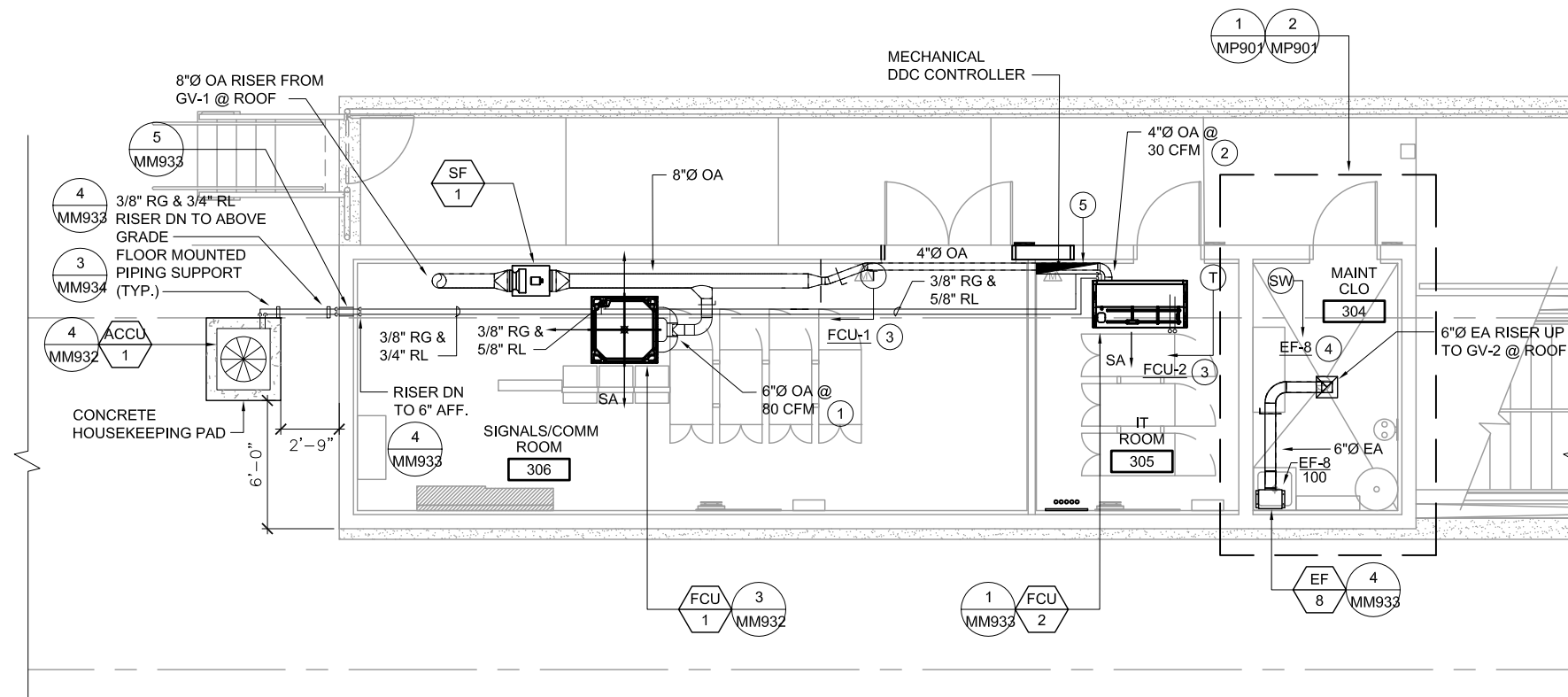
APPROVED	
CADD FILE DATE	SCALE
11/05/18	1"=20'-0"
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT MECHANICAL - STORY STATION AERIAL CENTER PLATFORM KEY PLAN - PLATFORM LEVEL		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

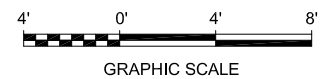
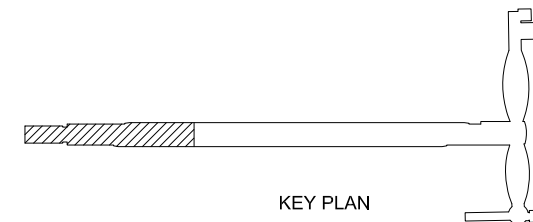
SHEET	OF
DRAWING NO.	MM510
REVISION	C

KEY NOTES:

- ① CONNECT 6"Ø OA DUCT TO CEILING CASSETTE FAN COIL UNIT OUTSIDE AIR INTAKE KNOCK OUT HOLE CONNECTION COMPLETE WITH FITTINGS AND SUPPORTS.
- ② CONNECT 4"Ø OA DUCT TO CEILING SUSPENDED FAN COIL UNIT OUTSIDE AIR INTAKE KNOCK OUT HOLE CONNECTION COMPLETE WITH FITTINGS AND SUPPORTS.
- ③ INSTALL WALL MOUNTED WIRE ROOM THERMOSTAT AT 48" ABOVE FINISHED FLOOR LEVEL.
- ④ INSTALL WALL MOUNTED EXHAUST FAN ON/OFF SWITCH WITH PILOT LIGHT AT 48" ABOVE FINISHED FLOOR LEVEL.
- ⑤ HVAC DDC CONTROLLER SERVING MECHANICAL VENTILATION FANS, FAN COIL UNITS, AIR-COOLED CONDENSING UNIT AND THERMOSTATS.

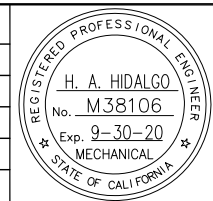


1 PLATFORM PLAN 1
MM511 SCALE 1/4"=1'-0"



Rose Jun 22, 2020 - 6:09am F:\X_Projects\2017\172-PW-BKF_VTA_PW_EXPORTS\0622\801MM511.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET

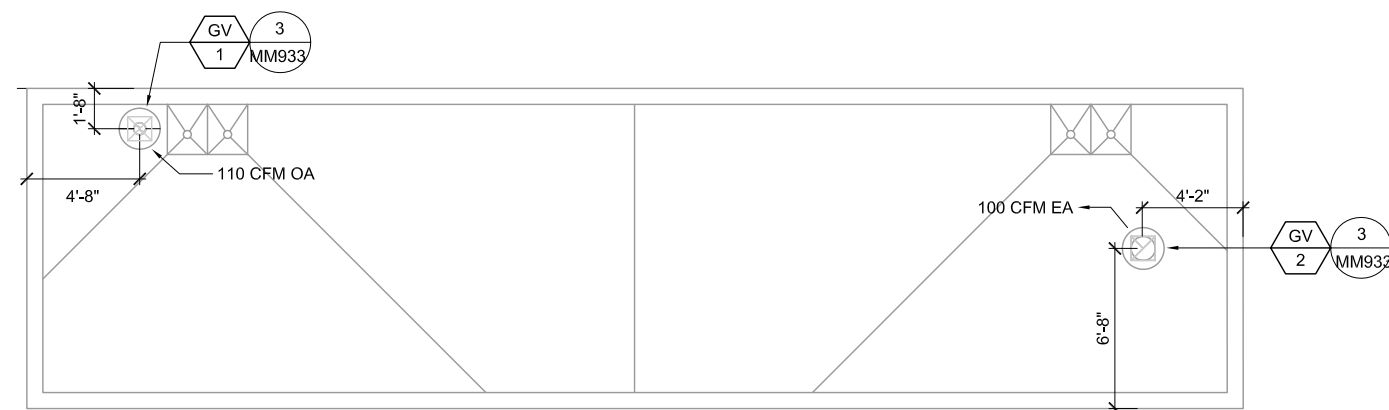
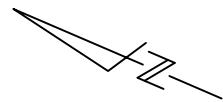


DESIGNED H. HIDALGO		CHECKED P. MALLILLIN	
DRAWN R. HEYER		CADD FILE NAME 801MM511.DWG	

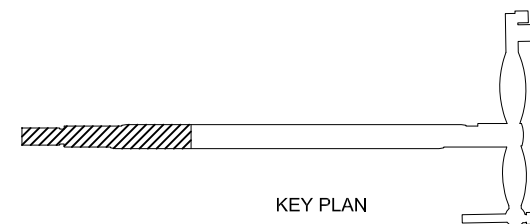


APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 11/05/18	SCALE 1/4" = 1'-0"
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

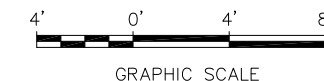
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT MECHANICAL - STORY STATION AERIAL CENTER PLATFORM PLATFORM PLAN 1			SHEET OF DRAWING NO. MM511 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	



1 ROOF PLAN
MM512 SCALE 1/4"=1'-0"



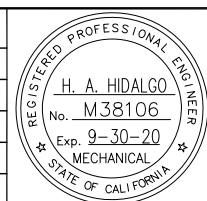
KEY PLAN



GRAPHIC SCALE

Revised: Jun 22, 2020 - 6:10pm F:\X_Projects\2017\1712-Ph-BKF_VTA_PW_Export\0622\801MM512.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET

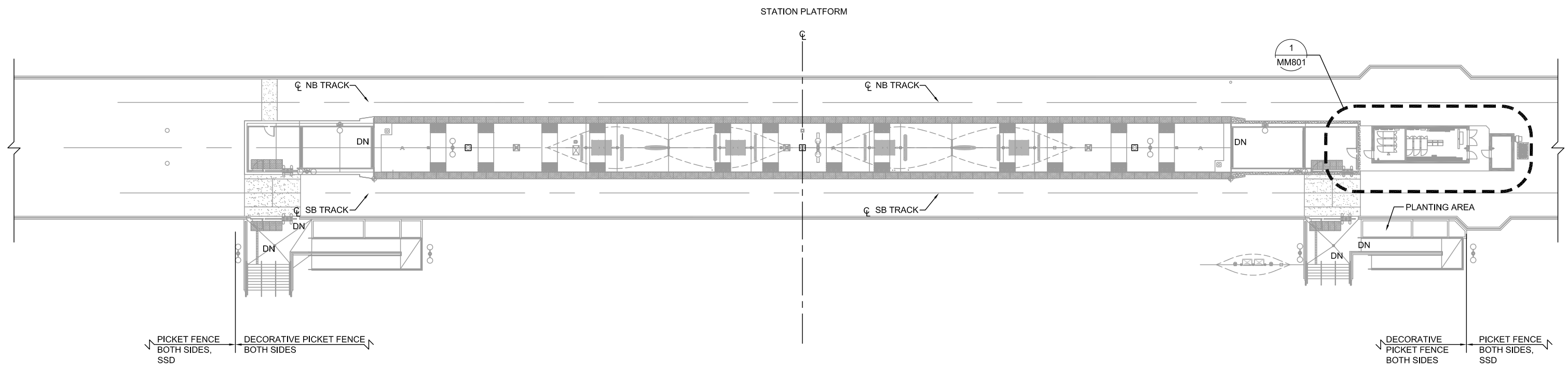
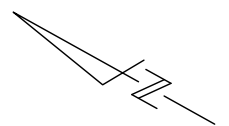


SUBMITTED	
DESIGNED	CHECKED
H. HIDALGO	P. MALLILIN
DRAWN	CADD FILE NAME
R. HEYER	801MM512.DWG

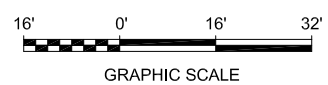


APPROVED	
CADD FILE DATE	SCALE
11/05/18	1/4" = 1'-0"
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT MECHANICAL - STORY STATION AERIAL CENTER PLATFORM ROOF		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE
SHEET	OF	DRAWING NO.
		MM512
		REVISION
		C

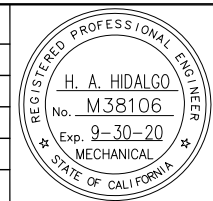


1 PLATFORM KEY PLAN
MM800 SCALE 1/16"=1'-0"



Resc Jun 22, 2020 - 6:10am F:\X_Projects\2017\1712-PI-BKF_VTA_PW_EXPOSURE\0222\801MM800.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



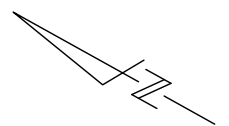
SUBMITTED	
YEI ENGINEERS	
DESIGNED	CHECKED
H. HIDALGO	P. MALLILLIN
DRAWN	CADD FILE NAME
P. WINGERD	801MM800.DWG



APPROVED	
BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
11/05/18	1/16"=1'-0"
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

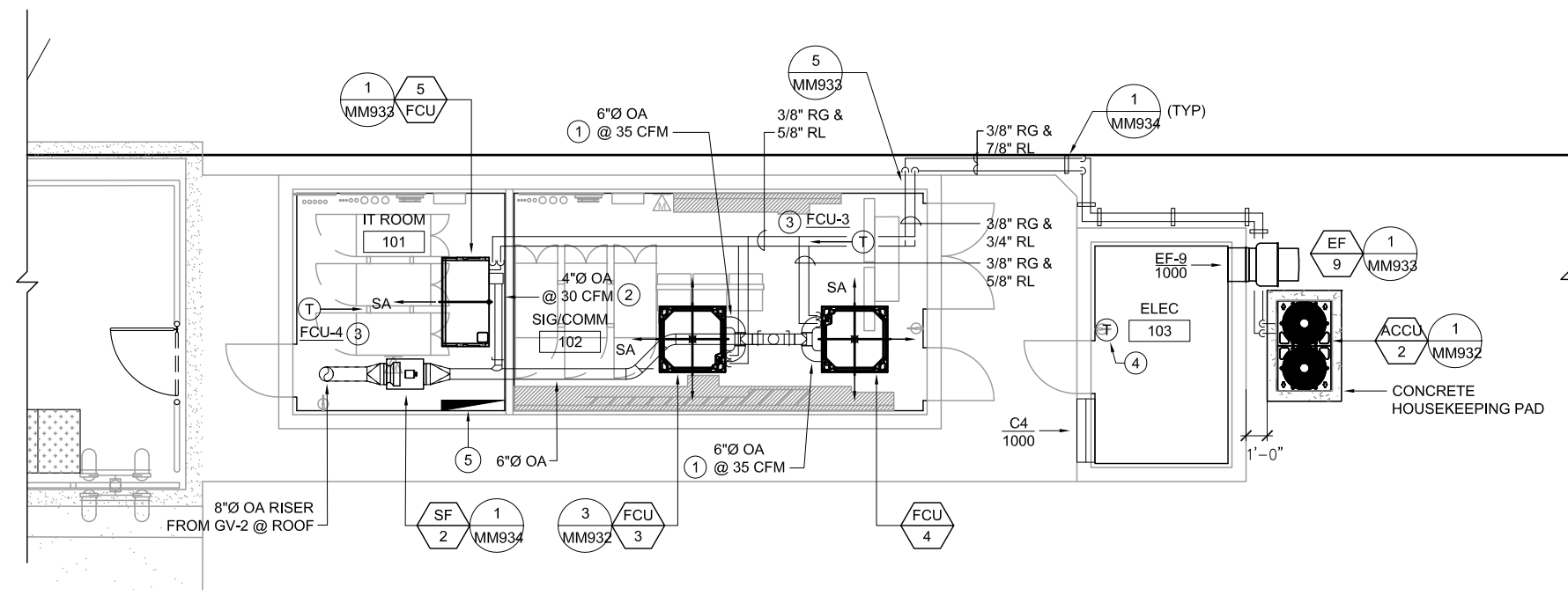
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT MECHANICAL - EASTRIDGE STATION PLATFORM KEY PLAN		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	MM800
REVISION	B

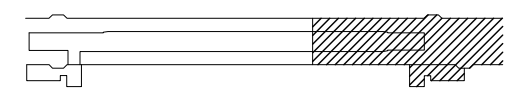


KEY NOTES:

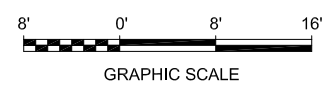
- ① CONNECT 6"Ø OA DUCT TO CEILING CASSETTE FAN COIL UNIT OUTSIDE AIR INTAKE KIT COMPLETE WITH FITTINGS AND SUPPORTS.
- ② CONNECT 4"Ø OA DUCT TO CEILING SUSPENDED FAN COIL UNIT OUTSIDE AIR INTAKE KNOCK OUT HOLE CONNECTION COMPLETE WITH FITTINGS AND SUPPORTS.
- ③ INSTALL WALL MOUNTED WIRE ROOM THERMOSTAT AT 48" ABOVE FINISHED FLOOR LEVEL.
- ④ INSTALL WALL MOUNTED WIRE ROOM THERMOSTAT AT 48" ABOVE FINISHED FLOOR LEVEL FOR AUTOMATIC ON/OFF OPERATION FOR EXHAUST FAN EF-9.
- ⑤ HVAC DDC CONTROLLER SERVING MECHANICAL VENTILATION FANS, FAN COIL UNITS, AIR-COOLED CONDENSING UNIT AND THERMOSTATS.



① PLATFORM PLAN
MM801 SCALE 1/4"=1'-0"

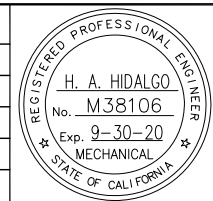


KEY PLAN



Revis: Jun 22, 2020 - 6:10pm F:\X_Projects\2017\1712-Pl-Brf_VTA_PW_Reports\0622\801MM801.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



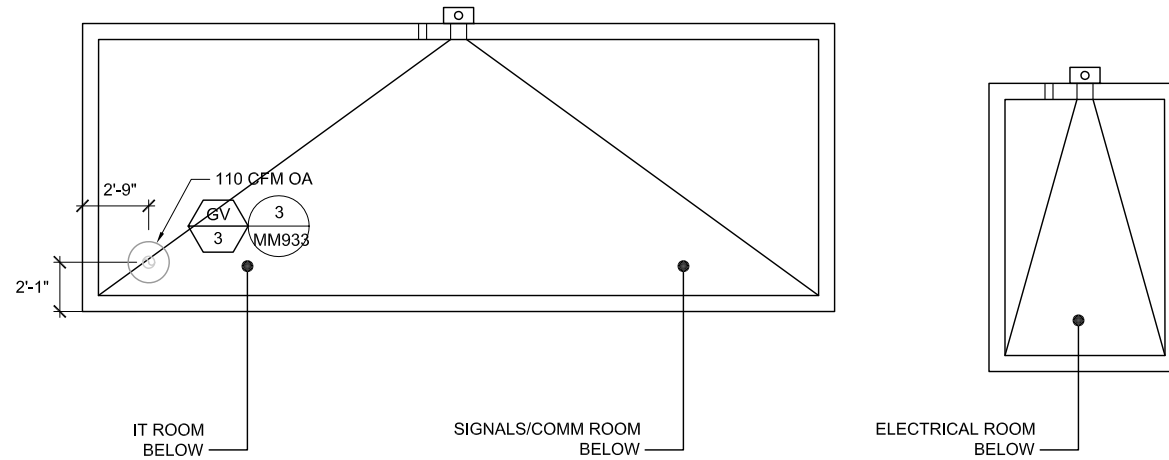
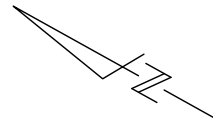
DESIGNED H. HIDALGO		CHECKED P. MALLILLIN	
DRAWN P. WINGERD		CADD FILE NAME 801MM801.DWG	



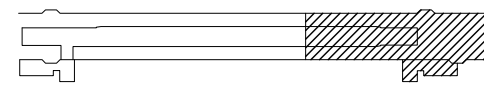
APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 11/05/18	SCALE 1/4"=1'-0"
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT MECHANICAL - EASTRIDGE STATION PLATFORM PLAN		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. MM801
REVISION	B



1 ROOF PLAN
MM802 SCALE 1/4"=1'-0"



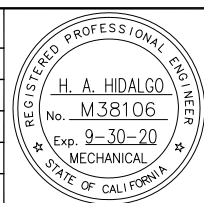
KEY PLAN



GRAPHIC SCALE

Revised: Jun 22, 2020 - 6:10pm F:\X_Projects\2017\1712-PI-BKF_VTA_PW_EPROJECTS\0222\601MM802.dwg

NO.	DATE	REVISIONS
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A	03/19	65% SUBMITTAL SET



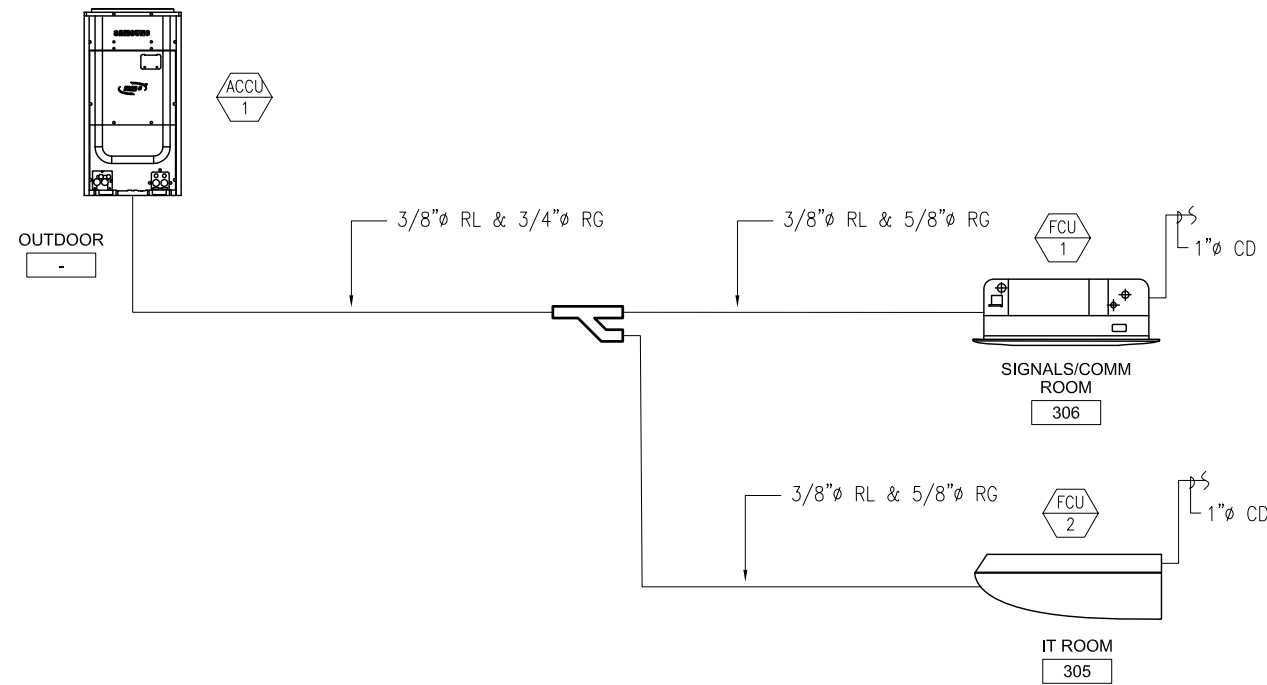
SUBMITTED	
DESIGNED	CHECKED
H. HIDALGO	P. MALLILIN
DRAWN	CADD FILE NAME
P. WINGERD	801MM802.DWG



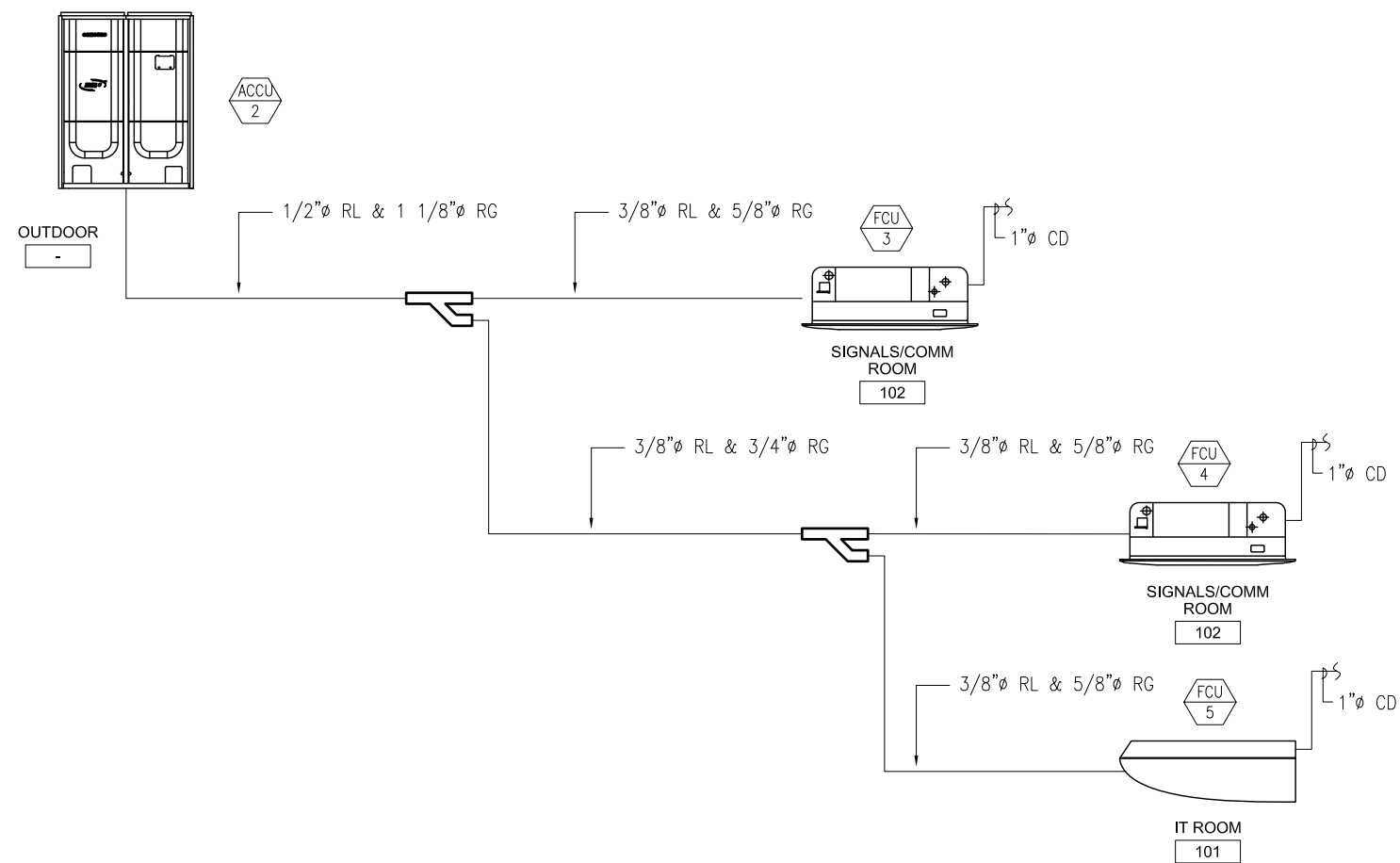
APPROVED	
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11/05/18	1/4"=1'-0"
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT MECHANICAL - EASTRIDGE STATION ROOF PLAN		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	MM802
REVISION	B



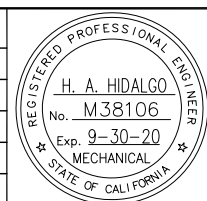
1 MECHANICAL PIPING DIAGRAM - STORY STATION
MM911 NTS



2 MECHANICAL PIPING DIAGRAM - EASTRIDGE STATION
MM911 NTS

Revised: Jun 22, 2020 - 6:10pm F:\X-Projects\2017\1712-Pl-5B-F VTA_PW-EXPORTS\0622\801MM911.dwg

NO.	DATE	REVISIONS
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A	03/19	65% SUBMITTAL SET



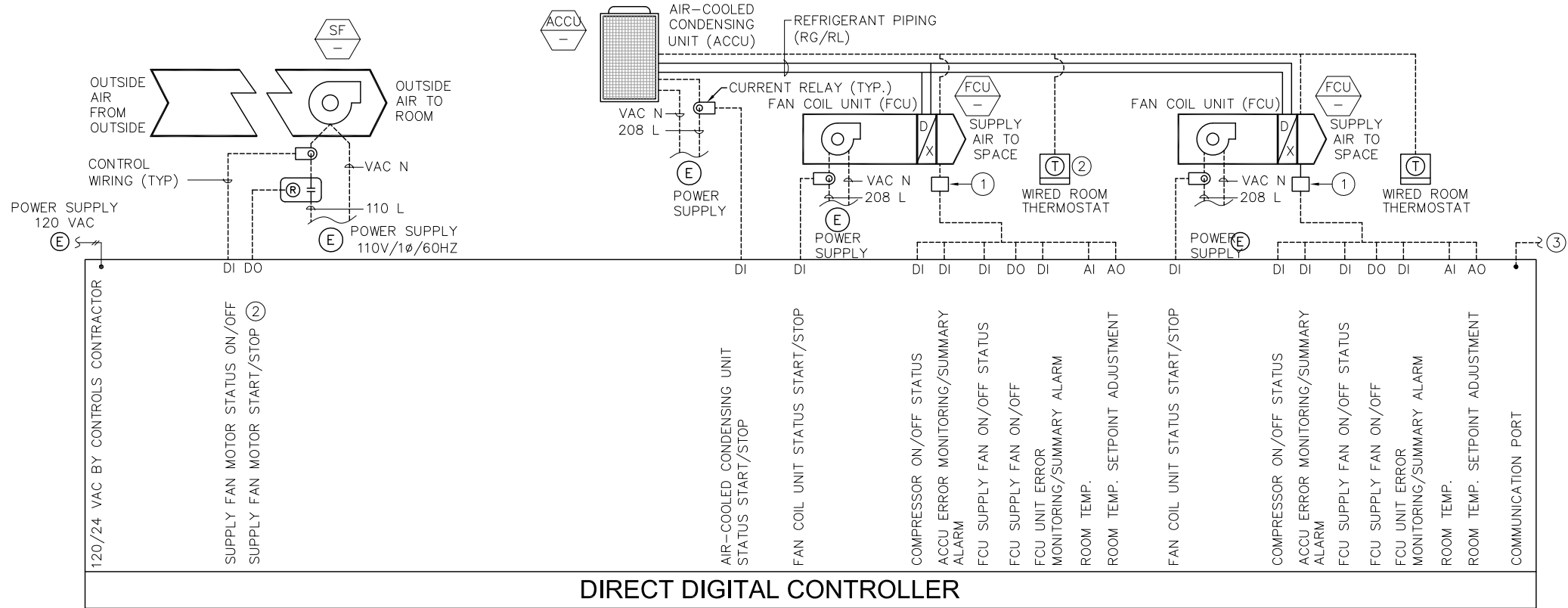
SUBMITTED	
DESIGNED	CHECKED
H. HIDALGO	P. MALLILLIN
DRAWN	CADD FILE NAME
P. WINGERD	801MM911.DWG



APPROVED	
CADD FILE DATE	SCALE
11/05/18	NTS
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

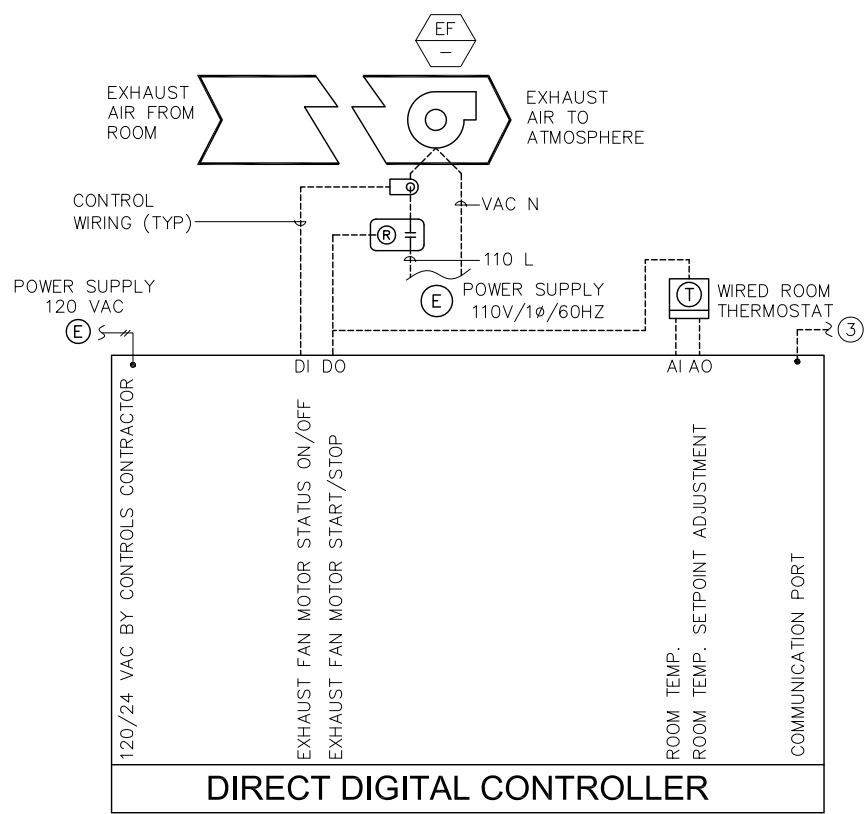
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT MECHANICAL PIPING DIAGRAMS		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	MM911
REVISION	B

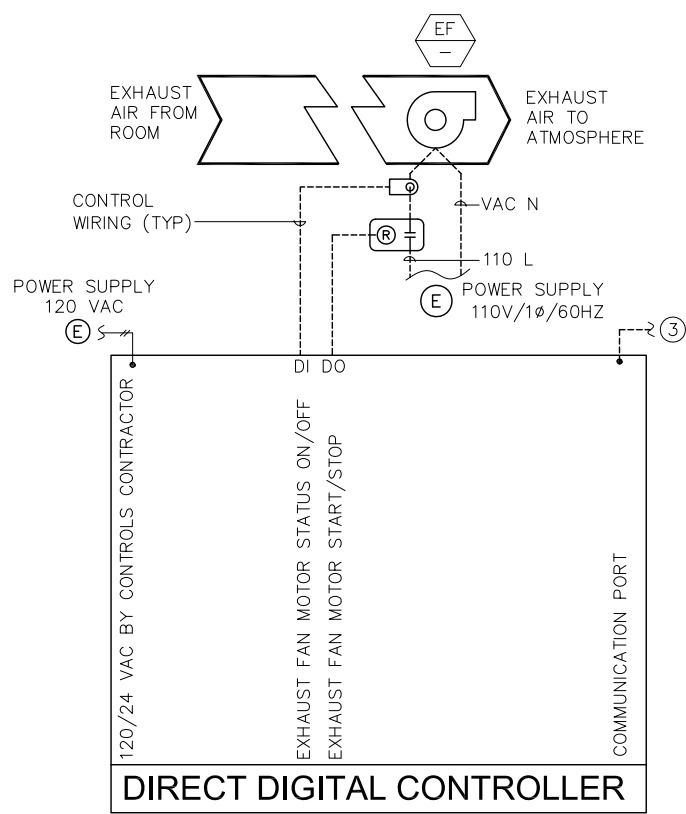


- KEY NOTES:**
- 1 FCU/ACCU MANUFACTURER SUPPLIED BACNET INTERFACE CONTROLLER.
 - 2 INTERLOCK FCUS AND ACCU ON/OFF OPERATION WITH OUTDOOR AIR SUPPLY FAN ON/OFF OPERATION.
 - 3 CONNECT ETHERNET CABLE TO NEAREST SCADA IP SWITCH OR SCADA STATION LAN SWITCH.

1 TYPICAL SPLIT SYSTEM AIR CONDITIONING UNIT AND SUPPLY FAN CONTROL SYSTEM DIAGRAM



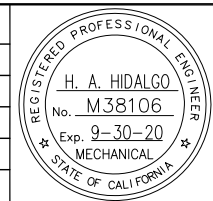
2 TYPICAL EXHAUST FAN WITH THERMOSTAT CONTROL DIAGRAM



3 TYPICAL EXHAUST FAN CONTROL DIAGRAM

Revis: Jun 22, 2020 - 6:10pm F:\X_Projects\2017\1712-PM-BKF_VTA_PW_EXPORTS\0622\801MM921.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED	
YEI ENGINEERS	
DESIGNED	CHECKED
H. HIDALGO	P. MALLILLIN
DRAWN	CADD FILE NAME
R. HEYER	801MM921.DWG



APPROVED	
BKF 100+ YEARS	
ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
11/05/18	NTS
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT MECHANICAL SYSTEM CONTROL DIAGRAMS		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	MM921
REVISION	C

SHEET NOTE:

- ① PULL CONTROL POINTS FROM FCU/ACCU MANUFACTURER SUPPLIED BACNET INTERFACED CONTROLLER.

FCU AND ACCU SEQUENCE OF OPERATION (TYPICAL FOR ALL FCU/ACCU):

- A. WIRED ROOM THERMOSTAT MODULATES THE EVAPORATOR REFRIGERANT EXPANSION VALVE TO MAINTAIN SPACE TEMPERATURE SETPOINT OF 77 DEGREES FAHRENHEIT (ADJUSTABLE) FOR SUMMER AND 68 DEGREES FAHRENHEIT (ADJUSTABLE) FOR WINTER.
 1. A SET OF INDOOR (ACU) AND OUTDOOR (CU) UNITS WILL BE DIRECTLY CONTROLLED BY ITS OWN DEDICATED WALL MOUNTED WIRED ROOM THERMOSTAT WITH LCD DISPLAY, PUSH BUTTONS FOR WARMER, COOLER, ROOM TEMPERATURE, ROOM SETPOINT, AUTO SWING LOUVER POSITION, FILTER CLEANING SIGNAL, 60 ALARM CODES, TEST OPERATION BUTTON, AND AFTER-HOURS OVERRIDE TIMER.
 2. COOLING OPERATION: THE CONTROLLER COMPARES THE COOLING SETPOINT WITH THE SPACE TEMPERATURE AND DETERMINES A COOLING CONTROL SIGNAL, WHICH WILL STAGE THE VARIABLE SPEED COMPRESSOR AND ELECTRONIC EXPANSION VALVE TO MAINTAIN THE ROOM SETPOINT. AS SOON AS SETPOINT IS ACHIEVED THE ELECTRONIC EXPANSION VALVE WILL CLOSE, THE FAN KEEPS VENTILATING FOR THE RETURN AIR SENSOR INSIDE THE UNIT TO MONITOR THE ROOM TEMPERATURE.
 3. HEATING OPERATION: THE CONTROLLER COMPARES THE HEATING SETPOINT WITH THE SPACE TEMPERATURE AND DETERMINES A HEATING CONTROL SIGNAL, WHICH ENGAGES THE REVERSING 4-WAY SOLENOID VALVE, STAGE THE VARIABLE SPEED COMPRESSOR AND ELECTRONIC EXPANSION VALVE TO MAINTAIN THE ROOM SETPOINT. AS SOON AS SETPOINT IS ACHIEVED THE ELECTRONIC EXPANSION VALVE WILL CLOSE, THE FAN KEEPS VENTILATING FOR THE RETURN AIR SENSOR INSIDE THE UNIT TO MONITOR THE ROOM TEMPERATURE.
 4. FAN OPERATION: DURING THE OCCUPIED MODE, THE OPERATOR MAY SELECT EITHER CONTINUOUS, COOLING CYCLING OR HEATING CYCLING FAN OPERATION. DURING UNOCCUPIED MODE, THE FAN CYCLES WITH DEMAND. A TIMER KEEPS THE FAN ON FOR 1 MINUTE AFTER THE DEMAND IS SATISFIED TO DISSIPATE ANY ENERGY IN THE COIL. THE TEMPERATURE IS CONTROLLED BY THE NIGHT COOLING AND HEATING SETPOINTS.

VENTILATION EXHAUST FANS (TYPICAL FOR EF-1, EF-3, EF-5, EF-6, EF-9) SEQUENCE OF OPERATIONS

- 1. THE EXHAUST FAN SHALL BE CONTROLLED BY A WIRED THERMOSTAT WITH LCD DISPLAY, PUSH BUTTONS FOR ROOM TEMPERATURE, ROOM SETPOINT AND TIMER.
- 2. EXHAUST FAN SHALL RUN TO MAINTAIN THE MINIMUM ROOM DESIGN TEMPERATURE SETPOINT OF 100 DEGREES FAHRENHEIT (ADJUSTABLE) THROUGH THE ROOM THERMOSTAT WITH LCD DISPLAY.

VENTILATION EXHAUST FAN (TYPICAL FOR EF-2, EF-4, EF-7, EF-8) SEQUENCE OF OPERATIONS

- 1. WALL MOUNTED ON/OFF WALL SWITCH SHALL START AND STOP THE VENTILATION EXHAUST FAN OPERATION.
- 2. FAN OPERATION SHALL BE ON CONTINUOUS 24/7.

VENTILATION FAN (SF-1, SF-2) SEQUENCE OF OPERATIONS

- 1. SUPPLY FAN (SF-1) AT STORY STATION SHALL RUN CONTINUOUS 24/7 EVEN IF FCU-1 & FCU-2 ARE BOTH TURNED OFF TO MAINTAIN POSITIVE PRESSURE INSIDE STORY STATION SIGNALS / COMM ROOM AND IT ROOM.
- 2. SUPPLY FAN (SF-2) AT EASTRIDGE STATION SHALL RUN CONTINUOUS 24/7 EVEN IF FCU-3, FCU-4 & FCU-5 ARE ALL TURNED OFF TO MAINTAIN POSITIVE PRESSURE INSIDE EASTRIDGE STATION SIGNALS / COMM ROOM AND IT ROOM.

MECHANICAL DIRECT DIGITAL CONTROL SYSTEM POINTS LIST

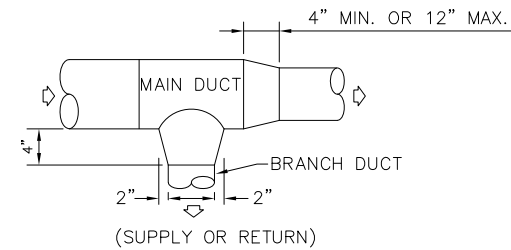
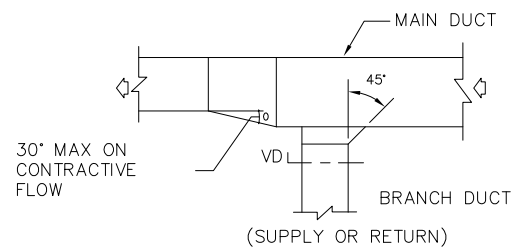
SYSTEM POINT DESCRIPTION	ANALOG		DIGITAL		SYSTEM FEATURES										NOTES									
	INPUT		OUTPUT		ALARMS					PROGRAMS														
	TEMPERATURE	PRESSURE	STATUS ON/OFF	STATUS MANUAL	SENSOR FAIL	FLOW FAIL	COMM. FAIL	TRIP	DIAGNOSTICS	TIME SCHEDULING	DEMAND LIMITING	OPTIMAL START/STOP	RESET	OCCUPIED MODE		UNOCCUPIED MODE	ALARM INSTRUCT	MAIN. WK. ORD.	RUN TIME	EXP. MESSAGE	DAY/NIGHT SET BACK/SET UP	NIGHT PURGE	TENANT BILLING	TRENDING
MECHANICAL DDC PANEL	X																							X
EXHAUST FAN (EF-1, EF-3, EF-5, EF-6, EF-9)																								X
EXHAUST FAN MOTOR START/STOP	X																							X
EXHAUST FAN MOTOR STATUS ON/OFF	X			X																				X
THERMOSTAT ROOM TEMP.	X	X								X	X													X
THERMOSTAT ROOM TEMP. SETPOINT	X																							X
EXHAUST FAN (EF-2, EF-4, EF-7, EF-8)																								X
EXHAUST FAN MOTOR START/STOP	X																							X
EXHAUST FAN MOTOR STATUS ON/OFF	X			X																				X
SUPPLY FAN (TYPICAL TO ALL SF)																								X
SUPPLY FAN MOTOR START/STOP	X																							X
SUPPLY FAN MOTOR STATUS ON/OFF	X			X																				X
AIR CONDITIONING UNIT/CONDENSING UNIT (TYPICAL TO ALL FCU/ACCU)																								X
FAN COIL STATUS ON/OFF	X			X																				X
AIR-COOLED CONDENSING UNIT STATUS ON/OFF	X			X																				X
THERMOSTAT ROOM TEMP.	X	X								X	X													X
THERMOSTAT ROOM TEMP. SETPOINT	X																							X
FCU ERROR MONITORING / SUMMARY ALARM	X																							X ①
FCU SUPPLY FAN ON/OFF	X																							X ①
FCU SUPPLY FAN STATUS ON/OFF	X																							X ①
ACCU ERROR MONITORING / SUMMARY ALARM	X																							X ①
COMPRESSOR STATUS ON/OFF	X																							X ①

① MECHANICAL CONTROL SEQUENCE OF OPERATIONS
MM922

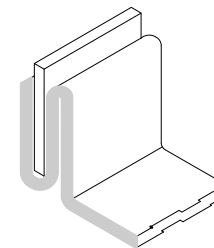
② MECHANICAL CONTROL POINTS LIST
MM922

6:10pm - Jun 22, 2020 - F:\X-Projects\2017\1712-Pl-BKF_VIA_PW_Reports\0622\801MM922.dwg

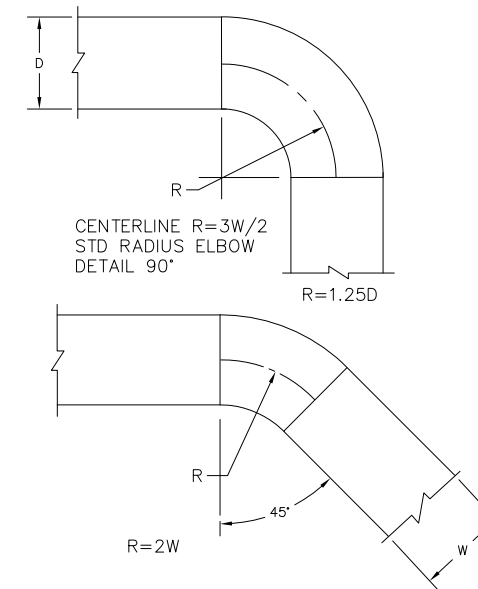
C 06/20 95% SUBMITTAL SET B 03/19 65% SUBMITTAL SET A 06/18 35% SUBMITTAL SET		SUBMITTED			APPROVED			EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT MECHANICAL SYSTEM SEQUENCE OF OPERATIONS AND DIRECT DIGITAL CONTROL POINTS LIST SCHEDULE			SHEET OF			
		DESIGNED H. HIDALGO			CHECKED P. MALLILLIN			SCALE NTS		DRAWING NO. MM922			DRAWING NO. MM922	
		DRAWN R. HEYER			CADD FILE NAME 801MM922.DWG			SUBMITTAL DATE 11/05/18		BOARD APPROVAL DATE 06/29/20		REVISION C		
		NO. DATE REVISIONS			PCA NO. 000			CONTRACT NO. C801		FILE LOCATION PROJECTWISE			REVISION C	



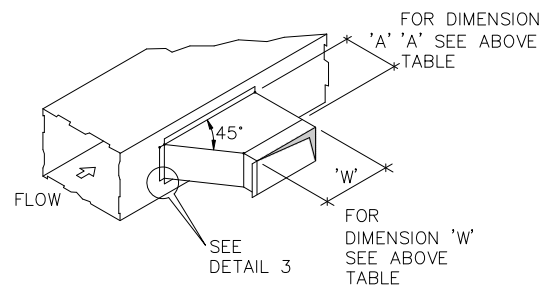
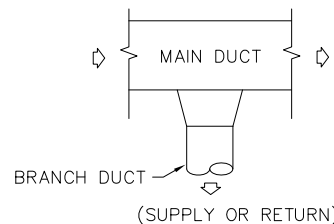
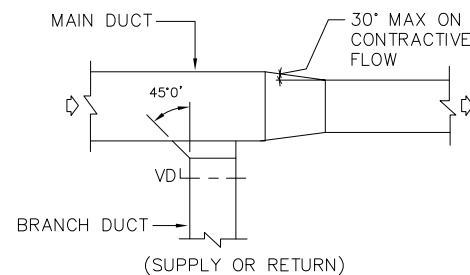
BRANCH DUCT WIDTH 'W' INCHES	DIM 'A' INCHES
UP TO 8"	3"
8" TO 12"	4"
12" TO 16"	5"
16" TO 24"	6"
OVER 24"	8"



3 TYPICAL CLINCH LOCK DETAIL
MM931 NTS



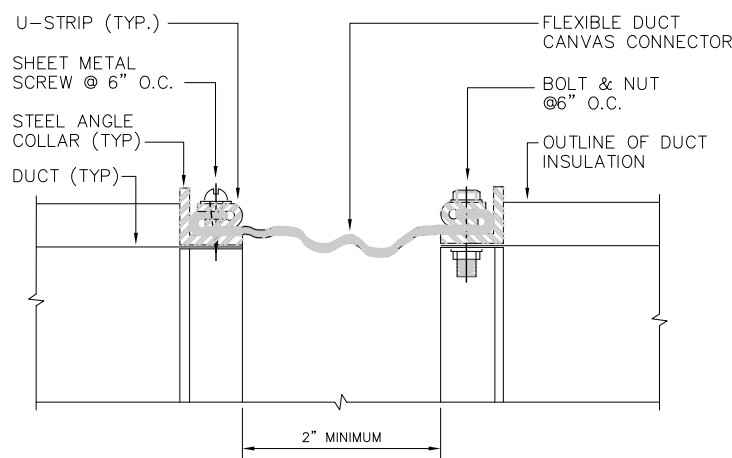
4 TYPICAL DUCT FITTINGS
MM931 NTS



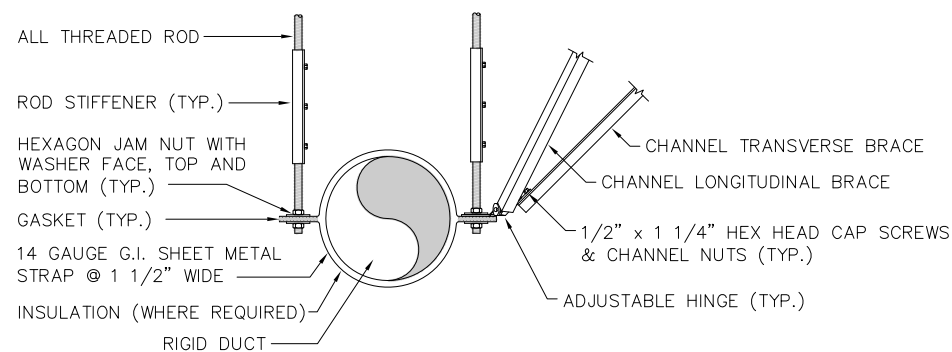
2 TYPICAL BRANCH CONNECTION DETAIL
MM931 NTS

NOTE:
REFER TO SMACNA, HVAC DUCT CONSTRUCTION STANDARDS.

1 TYPICAL BRANCH DUCT
MM931 NTS

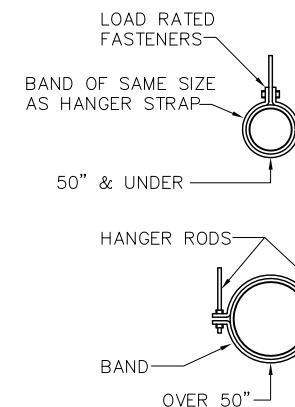


5 TYPICAL FLEXIBLE DUCT CONNECTION (NON-CONDUCTIVE DUCT)
MM931 NTS



NOTE:
1. DETAILS SHOWN ARE SIMILAR FOR NON-BRACED ROUND DUCT SUPPORT WITH BRACING OMITTED

6 TYPICAL ROUND DUCT SUPPORT
MM931 NTS



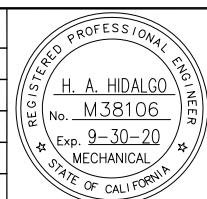
HANGER STRAPS OR RODS			
MAX. DUCT DIM. IN.	QUANTITY/SIZE IN.	MAX. LOAD LBS.	MAX. SPACING IN.
26	ONE 1 x 22 GA STRAP	260	144
36	ONE 1 x 18 GA STRAP	420	144
50	ONE 1 x 16 GA STRAP	700	144
60	TWO 3/8 Ø. RODS	1320	144
84	TWO 1/2 Ø RODS	2500	144

NOTE:
1. TABULATED DATA FROM SMACNA ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD.

7 TYPICAL ROUND DUCT HANGER SUPPORT
MM931 NTS

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A	06/18	35% SUBMITTAL SET



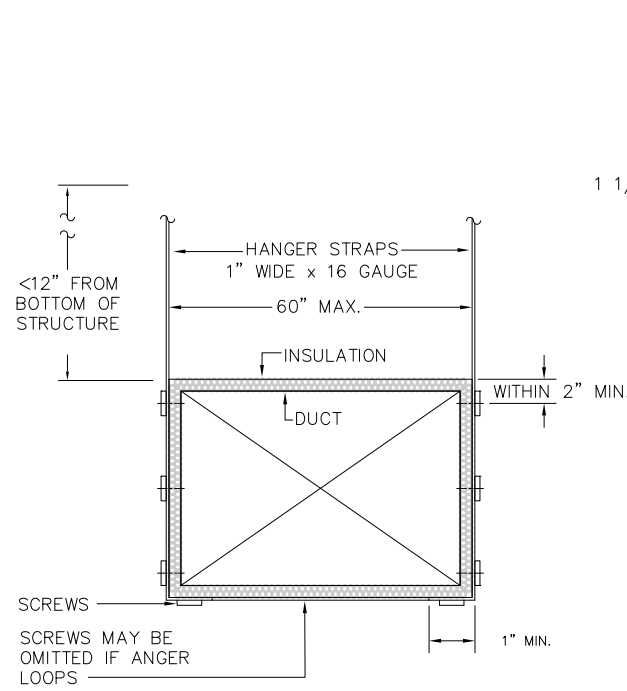
SUBMITTED	
YEI ENGINEERS	
DESIGNED	CHECKED
H. HIDALGO	P. MALLILLIN
DRAWN	CADD FILE NAME
R. HEYER	801MM931.DWG



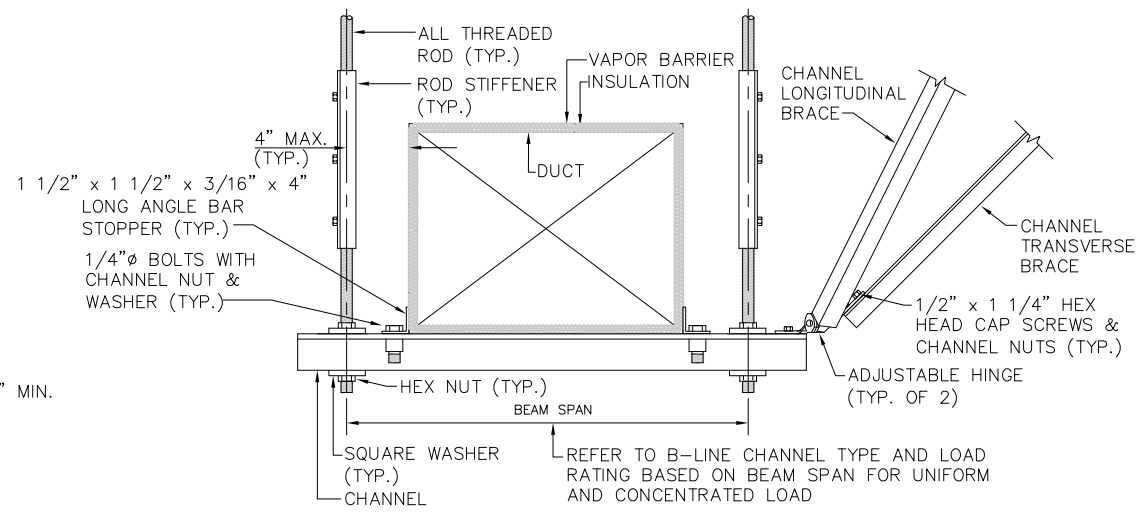
APPROVED	
BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
11/05/18	NTS
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT MECHANICAL DETAILS SHEET 1 OF 4		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET OF
DRAWING NO.
MM931
REVISION
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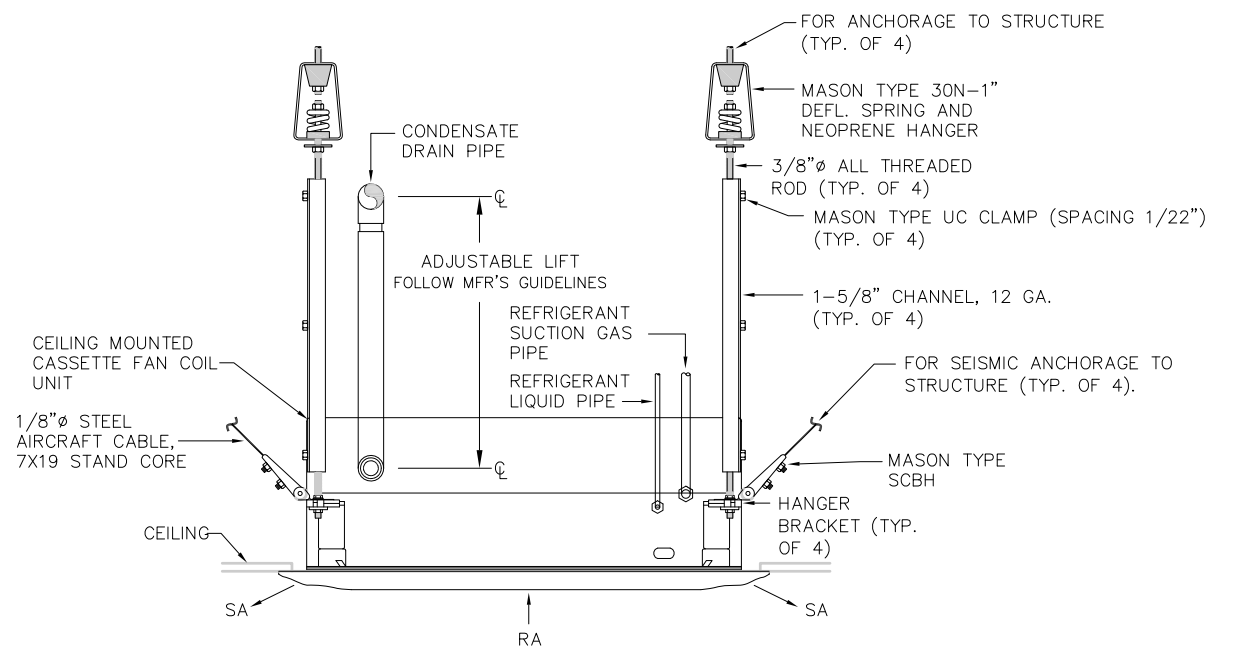


1 TYPICAL DUCT HANGER SUPPORT
MM932 NTS

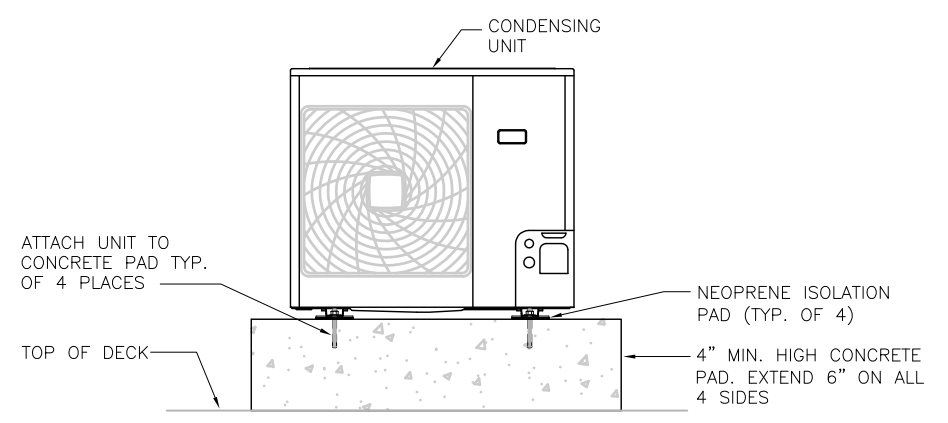


NOTES:
 1. DETAIL SHOWN IS SIMILAR FOR NON-BRACED TRAPEZE DUCT HANGER SUPPORT WITH BRACING OMITTED.
 2. DETAIL IS ALSO APPLICABLE TO DUCTS WITH MORE THAN 60 INCHES WIDTH AND MULTIPLE DUCTS.

2 TYPICAL DUCT HANGER SEISMIC SUPPORT
MM932 NTS



3 TYPICAL CEILING CASSETTE FAN COIL UNIT
MM932 NTS

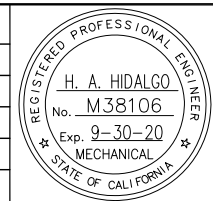


NOTE:
 SEE STRUCTURAL DRAWINGS FOR CONCRETE PAD DETAIL

4 AIR-COOLED CONDENSING UNIT DETAIL
MM932 NTS

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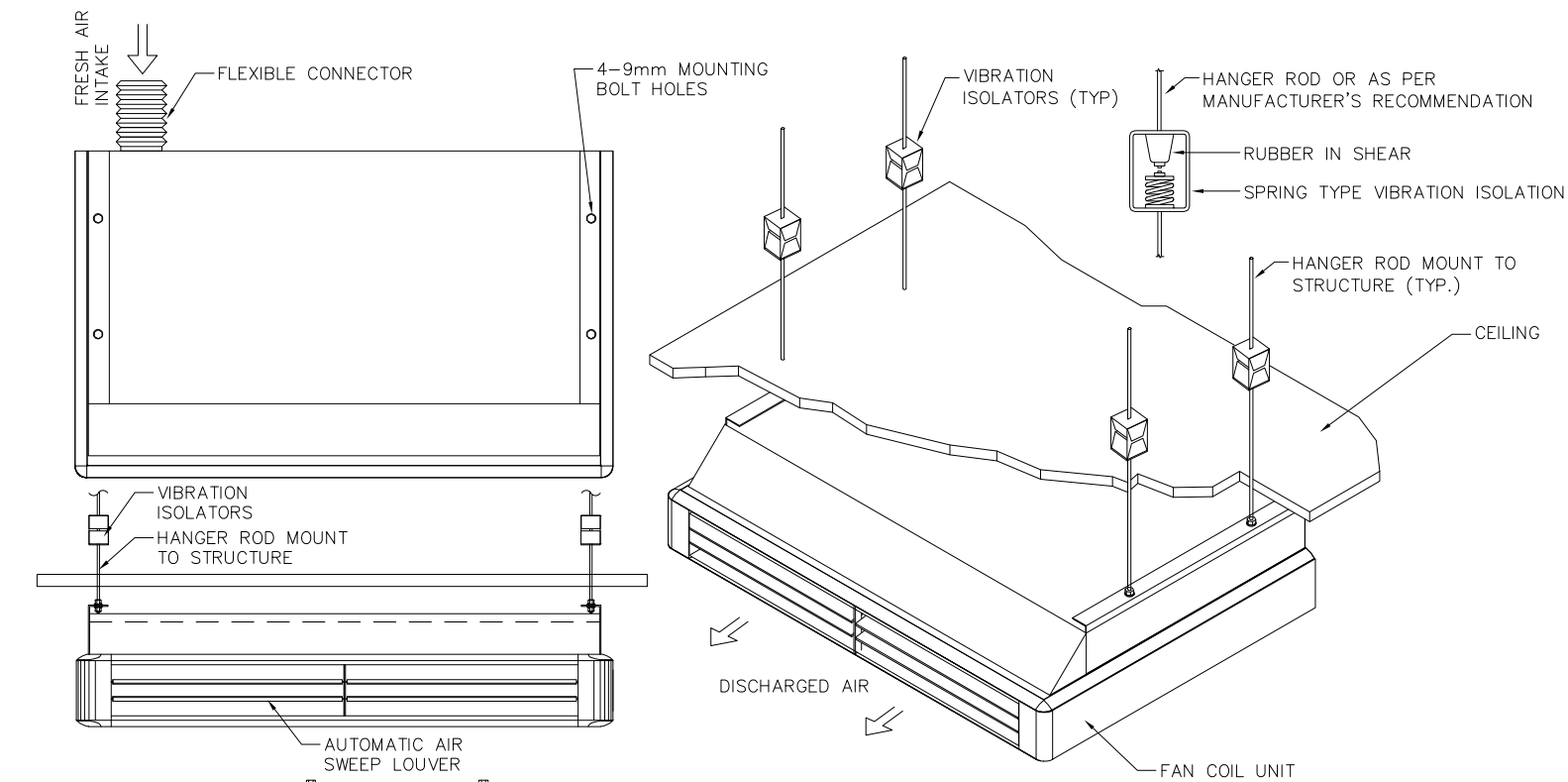
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YEI ENGINEERS	
DESIGNED	CHECKED
H. HIDALGO	P. MALLILLIN
DRAWN	CADD FILE NAME
R. HEYER	801MM932.DWG



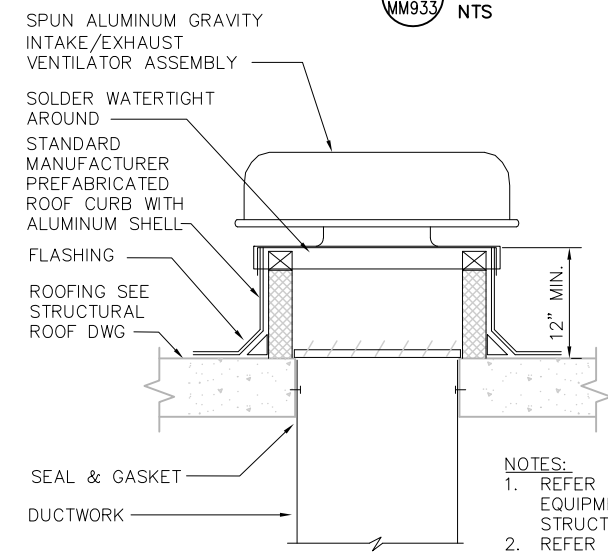
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EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT MECHANICAL DETAILS SHEET 2 OF 4		
PCA NO.	CONTRACT NO.	FILE LOCATION
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DRAWING NO.
MM932
REVISION
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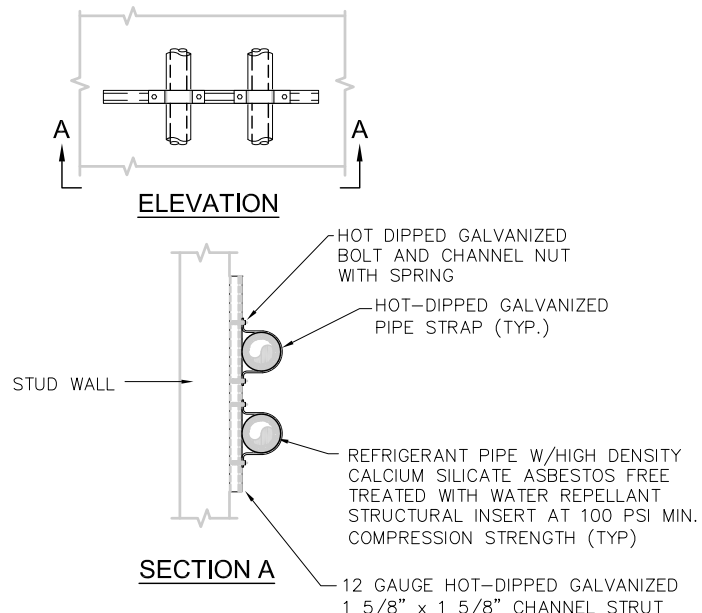


1 CEILING SUSPENDED FCU MOUNTING DETAIL
MM933 NTS



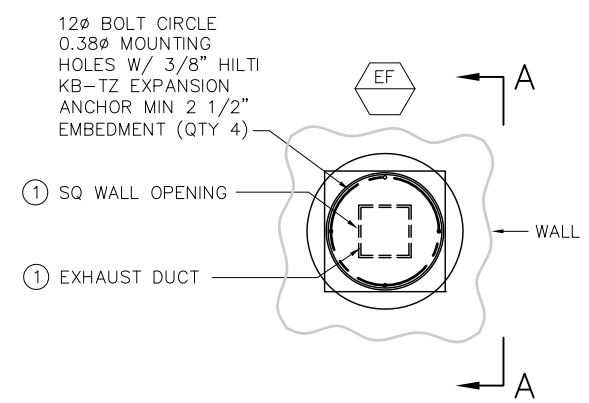
3 TYPICAL GRAVITY HOOD DETAIL
MM933 NTS

- NOTES:
- REFER TO STRUCTURAL DRAWING FOR EQUIPMENT ANCHORAGE SUPPORT TO STRUCTURE.
 - REFER TO ARCHITECTURAL DRAWING FOR UNIT ROOF CURB FLASHING.



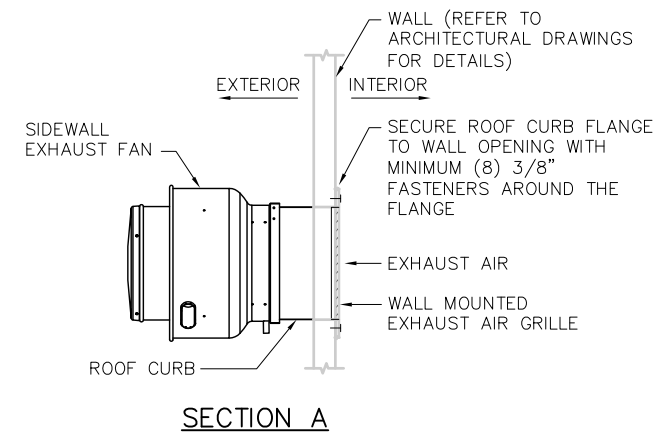
- NOTES:
- PROVIDE STRUCTURAL CALCULATIONS AND SHOP DRAWINGS FOR ANCHORING.
 - REFER TO ARCHITECTURAL DWGS. FOR WALL TYPE AND DETAIL.

4 WALL MOUNTED PIPE SUPPORT DESIGN
MM933 NTS



- KEY NOTE:
- WALL OPENING AND DUCT SIZE SHALL BE PER FAN AND ROOF CURB MANUFACTURER RECOMMENDATIONS.

2 SIDEWALL EXHAUST FAN MOUNTING DETAIL
MM933 NTS

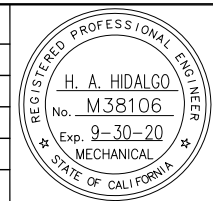


- NOTES:
- FIRE RATING OF RATING FRAME & SEAL SYSTEM SHALL HAVE THE SAME OR HIGHER FIRE RATING AS THE FIRE RATED WALL WHERE PIPES PASS THROUGH.
 - INSTALL PER MANUFACTURER INSTRUCTION.

5 PIPE THRU FIRE RATED WALL FITTING DETAIL
MM933 NTS

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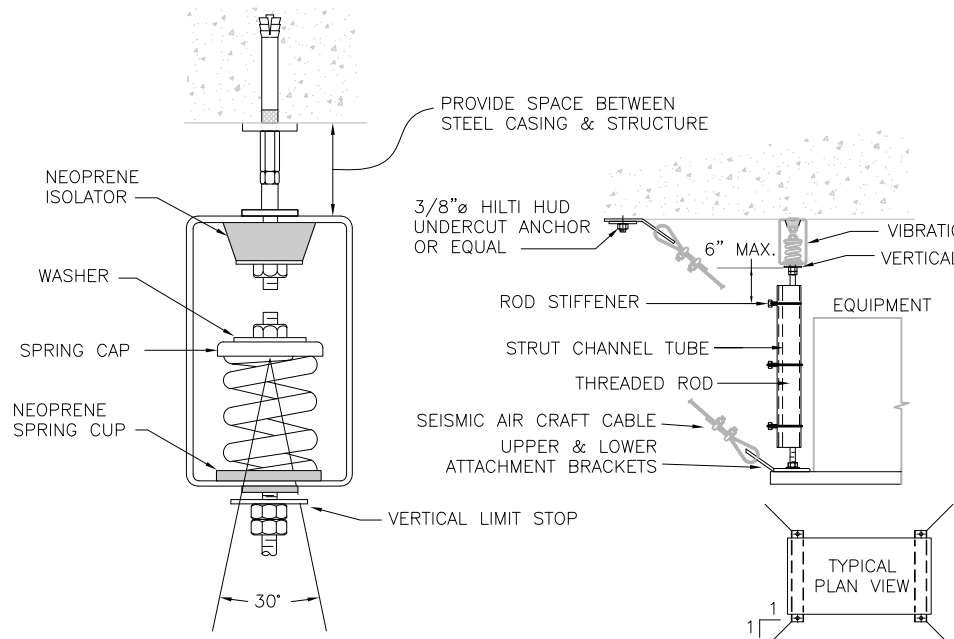
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DESIGNED	H. HIDALGO	CHECKED	P. MALLILLIN
DRAWN	R. HEYER	CADD FILE NAME	801MM933.DWG



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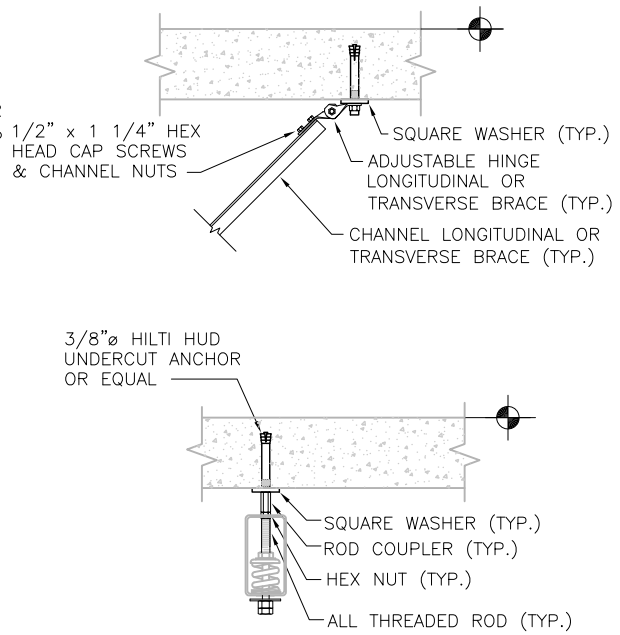
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT MECHANICAL DETAILS SHEET 3 OF 4		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

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REVISION	C

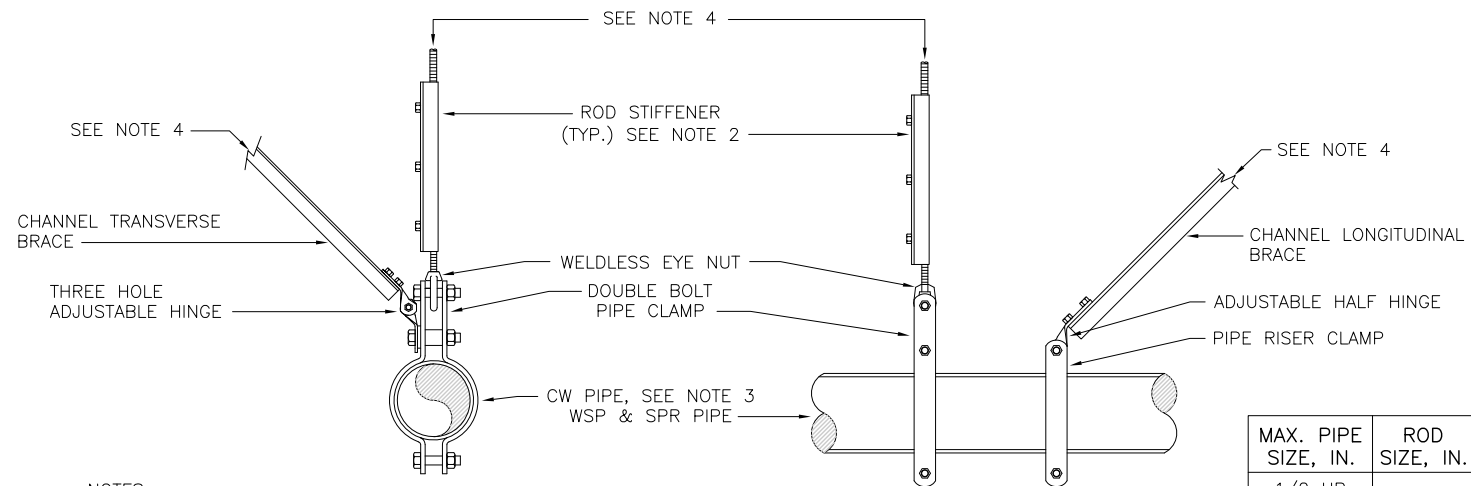


NOTE:
1. SEISMIC & SUPPORTS SHALL BE M.W. SAUSSE & CO., INC. - VIBREX TYPE HMXA-1 W/ CBK.

1 TYPICAL CENTRIFUGAL INLINE FANS MOUNTING DETAIL
MM934 NTS



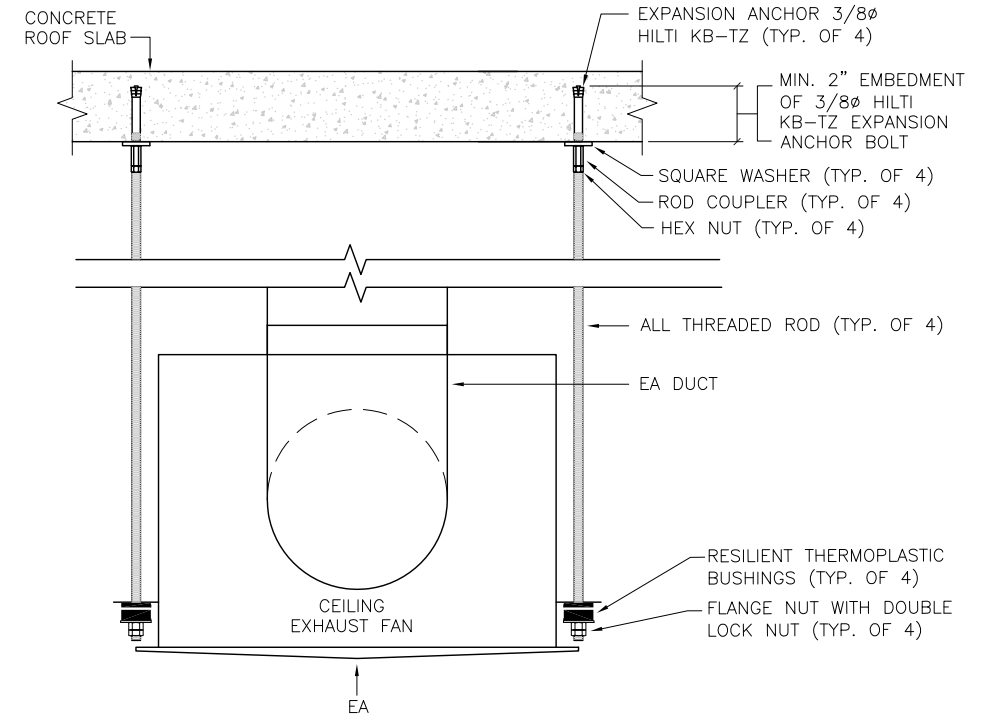
3 FLOOR MOUNTED PIPING SUPPORT DETAIL
MM934 NTS



NOTES:
1. ALL PIPE SUPPORTS SHALL BE PIPE SHIELDS, INC. OR APPROVED EQUAL.
2. INSTALL ROD STIFFENER WHEN LENGTH EXCEEDS THE SCHEDULE LENGTH.
3. PROVIDE HIGH DENSITY POLYURETHANE STRUCTURAL INSERT (100 PSI MIN. COMPRESSION STRENGTH) IN BETWEEN COPPER PIPE AND CLAMP SUPPORT.
4. REFER TO TYPICAL CONCRETE DECK PIPE SUPPORT AND SEISMIC ATTACHMENT DETAIL FOR APPLICATION CONTINUATION.

MAX. PIPE SIZE, IN.	ROD SIZE, IN.	MAX. ROD LENGTH, IN.
1/2 UP TO 2	3/8	19
3	1/2	25
4	5/8	31
5	5/8	31
6	3/4	37
10	7/8	43

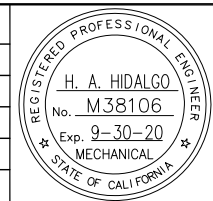
2 TYPICAL PIPE SEISMIC SUPPORT DETAIL
MM934 NTS



4 CEILING EXHAUST FAN MOUNTING DETAIL
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SUBMITTED

YEI ENGINEERS

DESIGNED: H. HIDALGO
CHECKED: P. MALLILLIN
DRAWN: R. HEYER
CADD FILE NAME: 801MM934.DWG

Santa Clara Valley Transportation Authority

APPROVED

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EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
MECHANICAL DETAILS
SHEET 4 OF 4

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF
DRAWING NO. MM934
REVISION C

GENERAL NOTES

1. THE COMPLETE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH STANDARD REFERENCED IN SPECIFICATIONS SECTION 26 05 00, COMMON WORK RESULTS FOR ELECTRICAL SYSTEMS AND LATEST EDITION OF THE RULES AND REGULATIONS OF THE SAFETY ORDER ISSUED BY THE DIVISION OF INDUSTRIAL SAFETY, THE NATIONAL BOARD OF FIRE UNDERWRITERS, AND ALL APPLICABLE STATE AND LOCAL CODES ISSUED BY AUTHORITIES HAVING JURISDICTION.
2. THE CONTRACTOR, PRIOR TO BIDDING, SHALL EXAMINE THE JOB SITE TO BECOME THOROUGHLY ACQUAINTED WITH THE EXISTING CONDITIONS. CONTRACTOR SHALL INCLUDE IN THE BID PROPOSAL ALL LABOR AND MATERIALS REQUIRED TO COMPLETE ALL WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. ELECTRICAL INSTALLATION SHALL BE COMPLETE AND OPERATIONAL.
3. LOCATIONS OF NEW CONDUIT, PULL BOXES AND OTHER EQUIPMENT AS SHOWN ON THE PLANS ARE APPROXIMATE AND MAY BE CHANGED TO SUIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
4. UNLESS OTHERWISE INDICATED, THE MINIMUM SIZE OF CONDUCTORS SHALL BE #12 AWG STRANDED COPPER ONLY.
5. GREEN INSULATED GROUND CONDUCTORS SHALL BE INSTALLED IN ALL FEEDER AND BRANCH CIRCUIT CONDUITS.
6. ALL CONDUIT SHALL BE THE GALVANIZED RIGID STEEL TYPE UNLESS OTHERWISE NOTED. CONDUIT INSTALLED UNDERGROUND SHALL BE PVC SCHEDULE 40 TYPE. PAINT EXPOSED CONDUIT AND SUPPORTS TO MATCH THE STRUCTURE.
7. ELECTRICAL EQUIPMENT AND FEEDERS SHALL BE SUPPORTED AND/OR ANCHORED IN ACCORDANCE WITH CBC SEISMIC REQUIREMENTS.
8. GROUNDING CONNECTIONS SHALL BE THE CADWELD OR COMPRESSION TYPE.
9. PROVIDE LABELS ON ALL EQUIPMENT AND DEVICES. LABELS SHALL BE PHENOLIC TYPE WITH BLACK LETTERS ON WHITE BACKGROUND, ATTACHED TO THE EQUIPMENT WITH STAINLESS STEEL SCREWS.
10. SEAL OPENINGS AROUND NEW CONDUITS TO PREVENT PASSAGE OF WATER OR GAS.
11. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL UTILITIES BEFORE EXCAVATION BEGINS. CALL UNDERGROUND SERVICE ALERT AT 800-642-2444. CONTRACTOR SHALL VERIFY OVERHEAD CLEARANCE WITH PG&E AND AT&T PRIOR TO START OF WORK. CONTRACTOR SHALL ALSO CONTACT THE LOCAL AGENCIES TO LOCATE EXISTING WATER, SANITARY SEWER AND STORM DRAIN LINES.
12. THE CONTRACTOR SHALL MAINTAIN AT THE JOB SITE, AN UP TO DATE "AS-BUILT" DRAWING SET. THE "AS-BUILT" DRAWING SET SHALL REFLECT ALL APPROVED CHANGES TO THE DESIGN DRAWINGS. THE "AS-BUILT" DRAWING SET SHALL BE KEPT CLEAN AND IN GOOD CONDITION AND SHALL BE TURNED OVER TO THE ENGINEER AT THE COMPLETION OF THE PROJECT.
13. UPON COMPLETION OF HIS WORK, THE CONTRACTOR SHALL SCHEDULE AND PERFORM A COMPLETE FUNCTIONAL TEST TO DEMONSTRATE TO THE ENGINEER THAT THE NEW INSTALLATION IS OPERATING AS INTENDED. ANY DEFECTS OR DEFICIENCIES IN THE MATERIALS OR WORK SHALL BE CORRECTED IMMEDIATELY BY AND AT THE CONTRACTOR'S EXPENSE.
14. UNLESS OTHERWISE NOTED, EXISTING LIGHTS AND ELECTROLIERS SHALL BE PROTECTED IN PLACE UNLESS TEMPORARY RELOCATION IS APPROVED BY THE ENGINEER IN WRITING.

SYMBOLS

(FIRE ALARM SYMBOLS REFER TO DWG EP705)

- ① SHEET NOTE REFERENCE. IN THIS CASE SEE SHEET NOTE 1
- ⬡ LIGHT FIXTURE TYPE "A" SEE LIGHT FIXTURE SCHEDULE ON DWGS EP606 AND EP607.
- Ⓝ JUNCTION BOX, SIZE AS REQUIRED
- , ■ (N) PULL BOX, CALTRANS #3 1/2, UON. WHERE SHOWN ON STATION PLATFORMS, PULL BOXES SHALL BE CAST IRON FLUSH MOUNTED TYPE, ± 12"x18"x18" DEEP UON.
- Ⓜ, □ (E) PULL BOX, CALTRANS #3 1/2, UON.
- ^S FIBER OPTIC SPLICE PULL BOX, ± 30"x48"x44" DEEP. SEE COUNTY STANDARD DETAIL E/8 AND SHEET EF816
- ^V FIBER OPTIC PULL BOX COUNTY No. 6, ± 17"x30"x24" DEEP. SEE COUNTY STANDARD DETAIL E/8.
- — — UNDERGROUND CONDUIT RUN
- — — EXPOSED CONDUIT RUN
- C — COMMUNICATION CONDUIT
- E — EMERGENCY CONDUIT
- F — FIRE ALARM CONDUIT
- FO — FIBER OPTIC CONDUIT
- fo — EXISTING FIBER OPTIC CONDUIT
- P — POWER CONDUIT RUN
- T — TELEPHONE CONDUIT
- G — #4/0 BARE COPPER GROUND CABLE, UON.
- DOT INDICATES CADWELD CONNECTION
- ⊙ GROUND WELL WITH COPPER CLAD STEEL GROUND ROD, CHRISTY F8C OR APPROVED EQUAL
- ⊗ GROUND ROD PER PG&E REQUIREMENTS
- A-12 CIRCUIT IDENTIFICATION. IN THIS CASE PANEL A, CIRCUIT 12
- , ■ EQUIPMENT ROOM LIGHT FIXTURE. SEE LIGHT FIXTURE SCHEDULE ON DWG EP606. SHADING INDICATES LIGHT CONNECTED TO EMERGENCY POWER SUPPLY
- LINEAR LIGHT FIXTURE OR HANDRAIL LIGHTING. SEE LIGHT FIXTURE SCHEDULE ON DWG EP606
- ⊙ SURFACE MOUNTED LIGHT FIXTURE
- ⊙ (E) STREET LIGHT
- ⊙ (N) OR RELOCATED STREET LIGHT
- , ● PLATFORM LIGHT. SHADING INDICATES LIGHT CONNECTED TO EMERGENCY POWER SUPPLY
- ⊙ POST TOP ELECTROLIER
- (E) POST TOP ELECTROLIER
- ⊙ EXIT SIGN LIGHTS
- ⊙ LIGHT SWITCH
- ⊙ WALL MOUNTED OCCUPANCY SENSOR WITH DIMMER
- ⊙ CEILING MOUNTED OCCUPANCY SENSOR
- ⊙ MANUAL MOTOR STARTER
- ⊙ IRRIGATION CONTROLLER SUFFIX INDICATES CONTROLLER ID #

ABBREVIATIONS

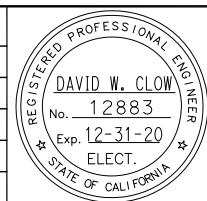
(SEE DWGS GN019 TO GN024 FOR ADDITIONAL ABBREVIATIONS. IN CASE OF CONFLICT WITH DWGS GN019 TO GN024, THE ABBREVIATIONS ON THIS DWG GOVERN FOR THE ELECTRICAL DRAWINGS)

A	AMPERES	(N)	NEW
AF	AMPERE FRAME		
AFF	ABOVE FINISHED FLOOR	OCC	OPERATIONS CONTROL CENTER
AT	AMPERE TRIP		
C	CONDUIT	PED	PEDESTRIAN
CCTV	CLOSED CIRCUIT TELEVISION	PG&E	PACIFIC GAS AND ELECTRIC
CID	CARD INTERFACE DEVICE	POC	PEDESTRIAN OVERCROSSING
CKT	CIRCUIT	PR	PAIR
COMM	COMMUNICATION	PTZ	PAN-TILT-ZOOM
CSJ	CITY OF SAN JOSE		
CT	CURRENT TRANSFORMER	RCPT	RECEPTACLE
		SIC	SIGNAL INTERCONNECT CABLE
DISC SW	DISCONNECT SWITCH	SWBD	SWITCHBOARD
DWG	DRAWING		
E, EM	EMERGENCY	T, TEL	TELEPHONE
(E)	EXISTING	TSP	TWISTED SHIELDED PAIR CABLE
ECP	ELEVATOR CONTROL PANEL	TVM	TICKET VENDING MACHINE
EF	EXHAUST FAN	TYP	TYPICAL
ELEC	ELECTRICAL		
ELEV	ELEVATOR	U/G	UNDERGROUND
		UON	UNLESS OTHERWISE NOTED
		UPS	UNINTERRUPTIBLE POWER SUPPLY
F, FA	FIRE ALARM	V	VOLTS
FACP	FIRE ALARM CONTROL PANEL (ELEV RECALL CONTROL AND SUPERVISORY CONTROL UNIT)	VEU	VIDEO ENCODER UNIT
		VTA	VALLEY TRANSPORTATION AUTHORITY
FO	FIBER OPTIC		
		W	WATT
(G)	GROUND	WP	WEATHERPROOF
GFCI	GROUND FAULT CIRCUIT INTERRUPTER		
		XFMR	TRANSFORMER
GRS	GALVANIZED RIGID STEEL CONDUIT		
JB	JUNCTION BOX		
LED	LIGHT EMITTING DIODE		
LMA	LUMINAIRE MAST ARM		
LTG	LIGHTING		
MC	METAL CLAD CABLE		
MPOE	MAIN POINT OF ENTRY (TELEPHONE)		
MT	EMPTY CONDUIT WITH PULL-ROPE		

□	DISCONNECT SWITCH
⊕	NEMA 5-20R DUPLEX RECEPTACLE, 18" AFF (UON)
■	NEW OR RELOCATED CCTV CAMERA
□	EXISTING CCTV CAMERA
⊕	INSTALL CONDUIT INTO EXISTING PULL BOX
T	DRY TYPE TRANSFORMER

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED

AE Alliance Engineering Consultants, Inc.
4701 Patrick Henry Drive, Bldg. 10 phone (408) 970-9888
Santa Clara, CA 95054 fax (408) 970-9316
PROJECT NO. 205-18-01 www.aec-engineers.com

DESIGNED: D. Clow CHECKED: K. Ngai
DRAWN: C. Basuki CADD FILE NAME: 801EP400

VA Santa Clara Valley Transportation Authority

APPROVED

BKF 100+ YEARS
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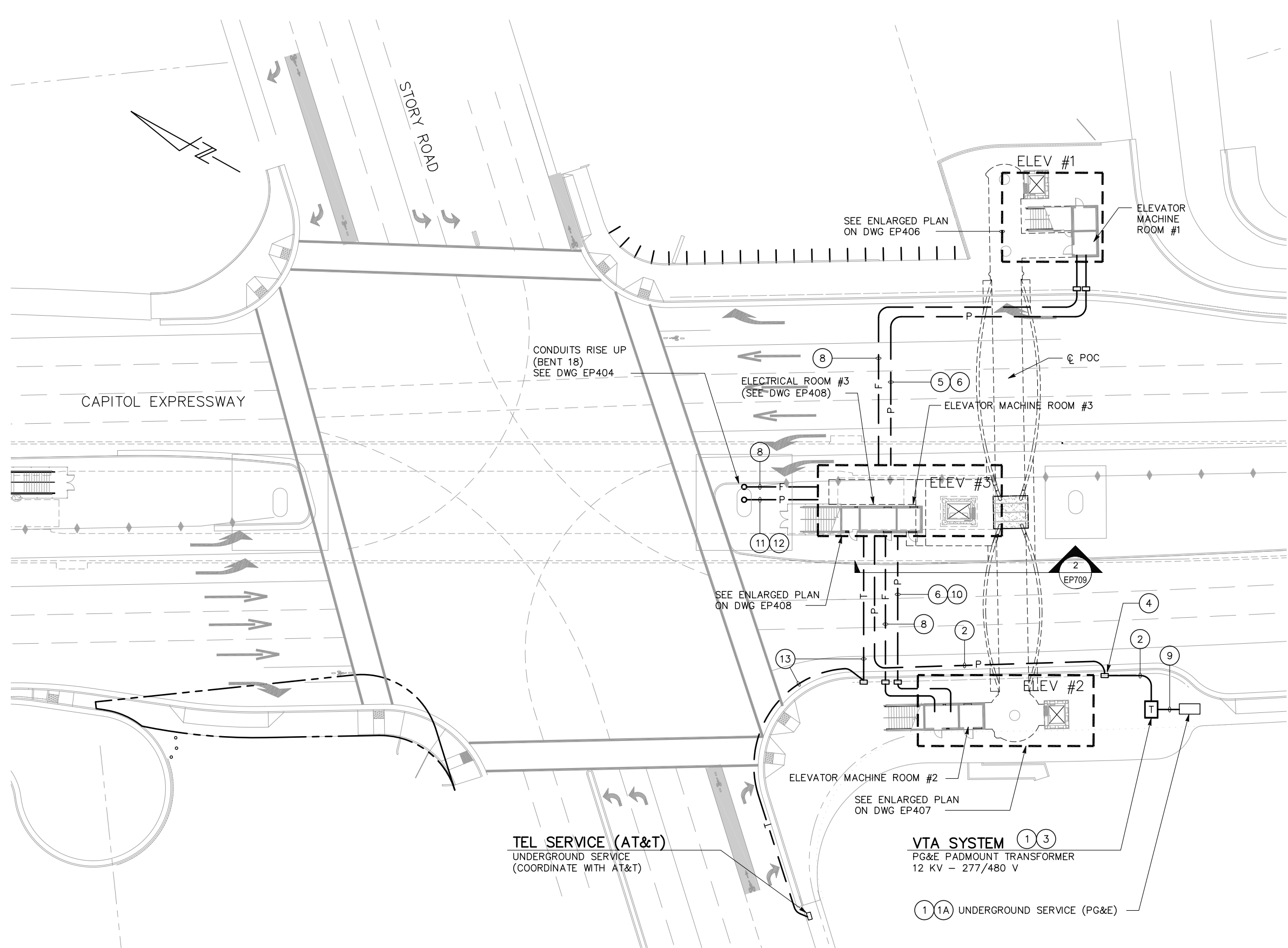
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SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT

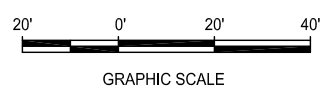
ELECTRICAL GENERAL

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET	-
OF	
DRAWING NO.	EP400
REVISION	A

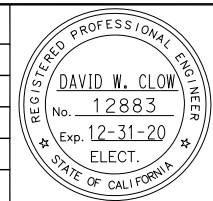


- SHEET NOTES:**
- ① PG&E COORDINATION: COORDINATE (N) ELECTRIC SERVICE WORK WITH PG&E AND WITH THE PG&E SUBSTRUCTURE PLANS AND SPECIFICATIONS FOR THIS PROJECT. SEE DWG EP701.
 - ①A HIGH VOLTAGE PULL BOX BY PG&E.
 - ② PROVIDE 5"C, MT (CONDUCTORS BY PG&E)
 - ③ PROVIDE TRANSFORMER PAD (106"L x 90"W) PER PG&E GREENBOOK.
 - ④ PROVIDE PG&E 3526 PULL BOX (3'x5'x2'-6" DEEP).
 - ⑤ PROVIDE 1"C, 4#6 (PNL "F", 120/208 V) 1#10 (G)
 - ⑥ PROVIDE 1 1/2"C, 3#2 (ELEVATOR, 480 V) 1#8 (G)
 - ⑦ NOT USED.
 - ⑧ PROVIDE 1 1/2"C (FIRE ALARM)
 - ⑨ PROVIDE 4"C, MT (CONDUCTORS BY PG&E)
 - ⑩ PROVIDE 1"C, 4#6 (PNL "G", 120/208 V) 1#10 (G)
 - ⑪ PROVIDE 1 1/2"C, 4#1 (PNL "B", 120/208 V) 1#8 (G)
 - ⑫ PROVIDE 1"C, 2#10 (PLATFORM LTG, "A-2", 277 V) 2#10 (SHELTER LTG, "A-4", 277 V) 2#10 (TVM & CID, E-10", 120 V) 1#10 (G) 1"C, 2#10 (PLATFORM LTG, "EM-2", 120 V) 2#10 (HANDRAIL LTG, "EM-3", 277 V) 1#10 (G)
 - ⑬ PROVIDE 2"C, MT (CONDUCTORS BY AT&T)



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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
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 4701 Patrick Henry Drive, Bldg. 10 phone (408) 970-9888
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DESIGNED: D. Clow CHECKED: K. Ngai
 DRAWN: C. Basuki CADD FILE NAME: 801EP401



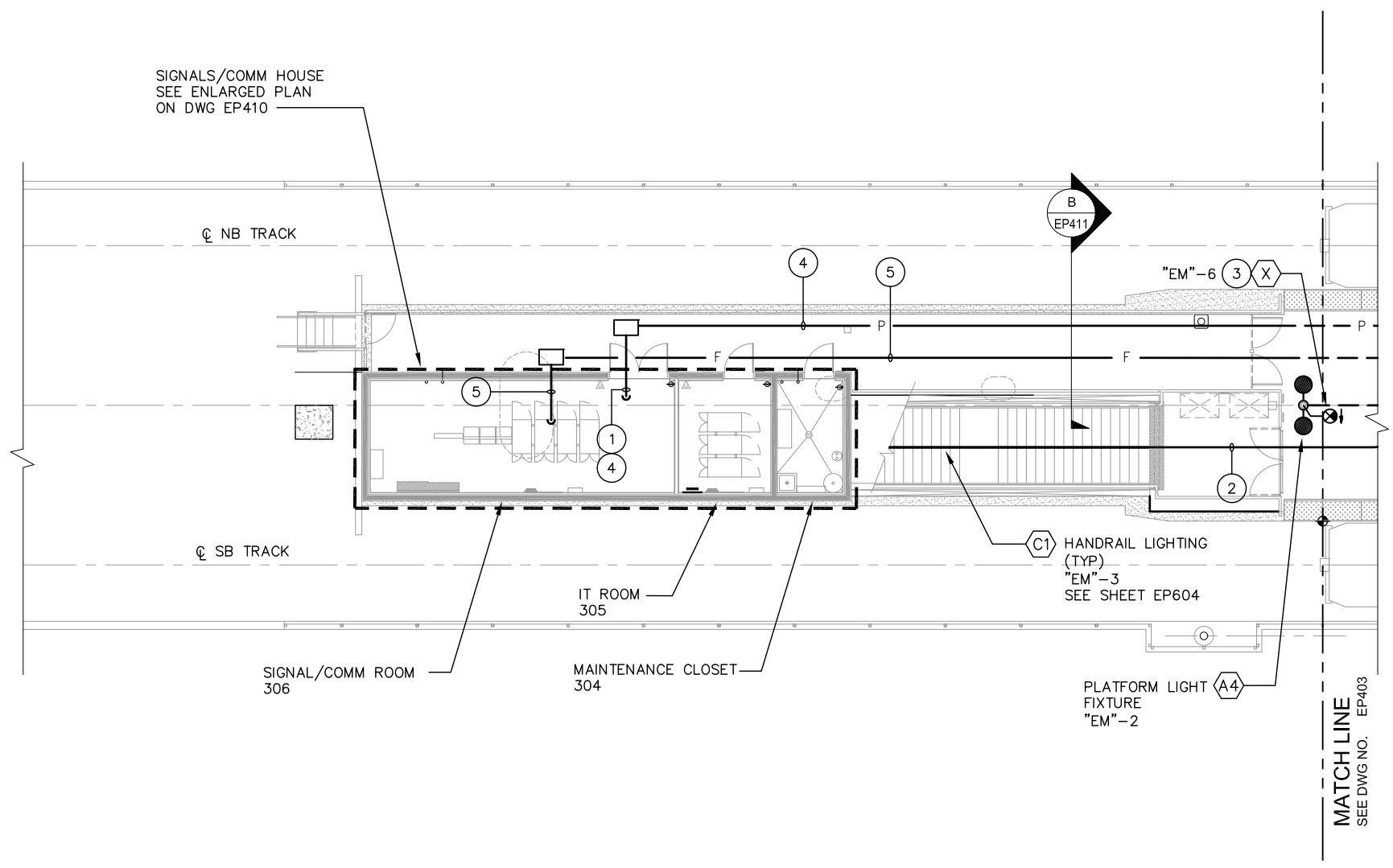
BKF 100+ YEARS
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 SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

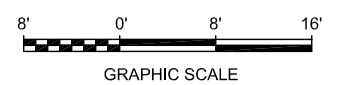
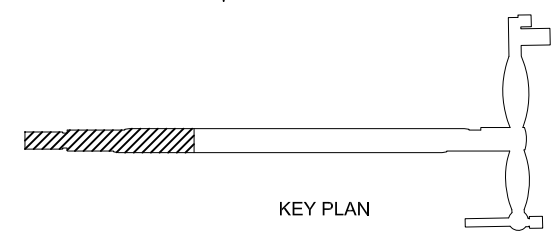
EASTRIDGE TO BART REGIONAL CONNECTOR			SHEET 1
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT			OF
STORY STATION			DRAWING NO. EP401
ELECTRICAL SITE PLAN			REVISION B
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

SHEET NOTES:

- ① SEE DWG EP410 FOR CONTINUATION.
- ② PROVIDE 3/4"C, 2#12 (HANDRAIL LIGHTING) 1#12 (G)
- ③ INSTALL EXIT SIGN ON LIGHT POLE AT 7'-6".
- ④ PROVIDE 1 1/2"C, 3#4 (PANEL "B", 277/480 V) 1#8 (G)
- ⑤ PROVIDE 1 1/2"C, MT (FIRE ALARM)

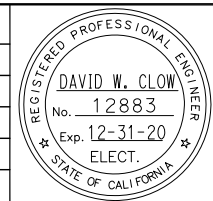


① PLATFORM ELECTRICAL PLAN 1
EP402 SCALE 1/8"=1'-0"



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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
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4701 Patrick Henry Drive, Bldg. 10 Santa Clara, CA 95054
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DESIGNED: D. Clow CHECKED: K. Ngai
DRAWN: C. Basuki CADD FILE NAME: 801EP402



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CADD FILE DATE: 09/09/17 SCALE: NTS
SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

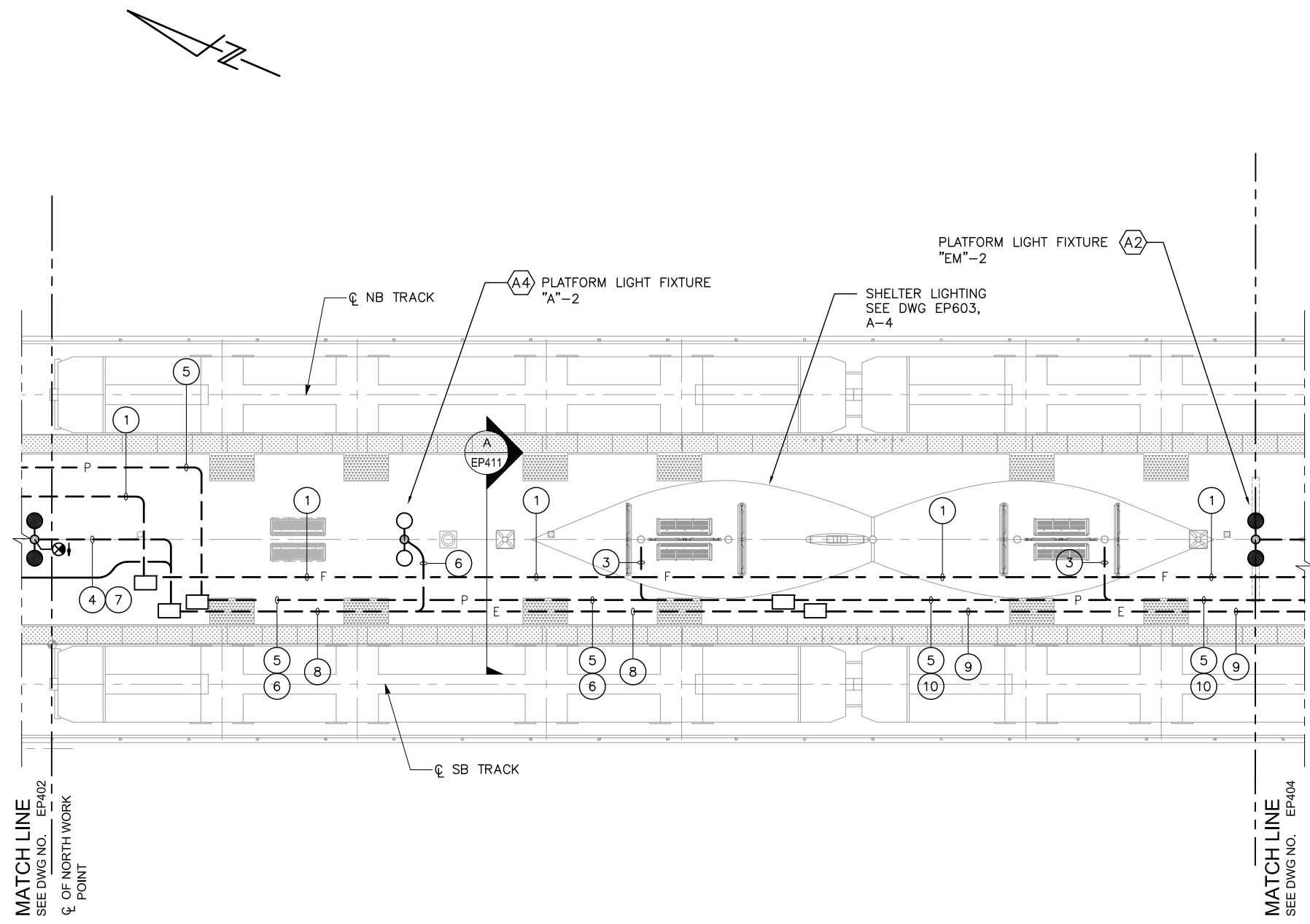
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STORY STATION
PLATFORM ELECTRICAL PLAN 1

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

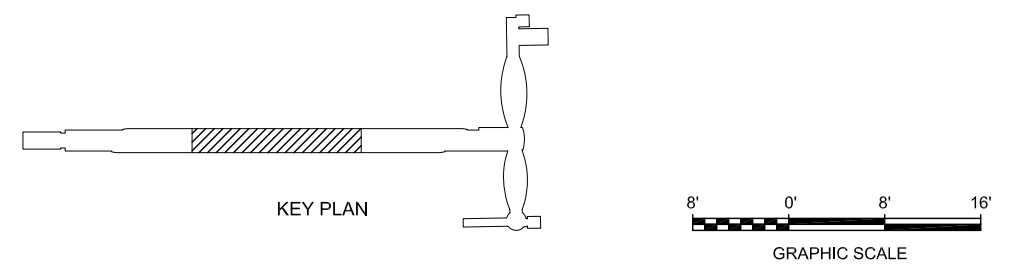
SHEET 1 OF 1
DRAWING NO. EP402
REVISION B

SHEET NOTES:

- ① PROVIDE 1 1/2"C, MT (FIRE ALARM)
- ② NOT USED.
- ③ PROVIDE 3/4"C, 2#10 (A-2, SHELTER LTG, 277 V)
3/4"C, 2#10 (A-4, SHELTER LTG, 277 V)
1#10 (G)
- ④ PROVIDE 3/4"C, 2#12 (EM-6, EXIT LTG, 277 V)
1#12 (G)
- ⑤ PROVIDE 1 1/2"C, 4#1 (PANEL "B", 277/480 V)
1#8 (G)
- ⑥ PROVIDE 1"C, 2#10 (A-2, PLATFORM LTG, 277 V)
1#10 (G)
- ⑦ PROVIDE 1"C, 2#10 (EM-2, PLATFORM LTG, 277 V)
1#10 (G)
- ⑧ PROVIDE 1"C, 2#12 (EM-6, EXIT LTG, 277 V)
2#10 (EM-3, HANDRAIL LTG, 277 V)
1#10 (G)
- ⑨ PROVIDE 1"C, 2#12 (EM-6, EXIT LTG, 277 V)
2#10 (EM-3, HANDRAIL LTG, 277 V)
1#10 (G)
- ⑩ PROVIDE 1"C, 2#10 (A-2, PLATFORM LTG, 277 V)
2#10 (A-4, SHELTER LTG, 277 V)
1#10 (G)

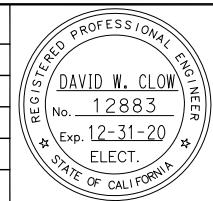


1 PLATFORM ELECTRICAL PLAN 2
EP403 SCALE 1/8"=1'-0"



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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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 4701 Patrick Henry Drive, Bldg. 10 phone (408) 970-9888
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DESIGNED: D. Clow CHECKED: K. Ngai
 DRAWN: C. Basuki CADD FILE NAME: 801EP403

SA Santa Clara Valley Transportation Authority

BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

APPROVED: [Signature]
 CADD FILE DATE: 09/09/17 SCALE: 1/8"=1'-0"
 SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STORY STATION
 PLATFORM ELECTRICAL PLAN 2

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET	1
OF	
DRAWING NO.	EP403
REVISION	B

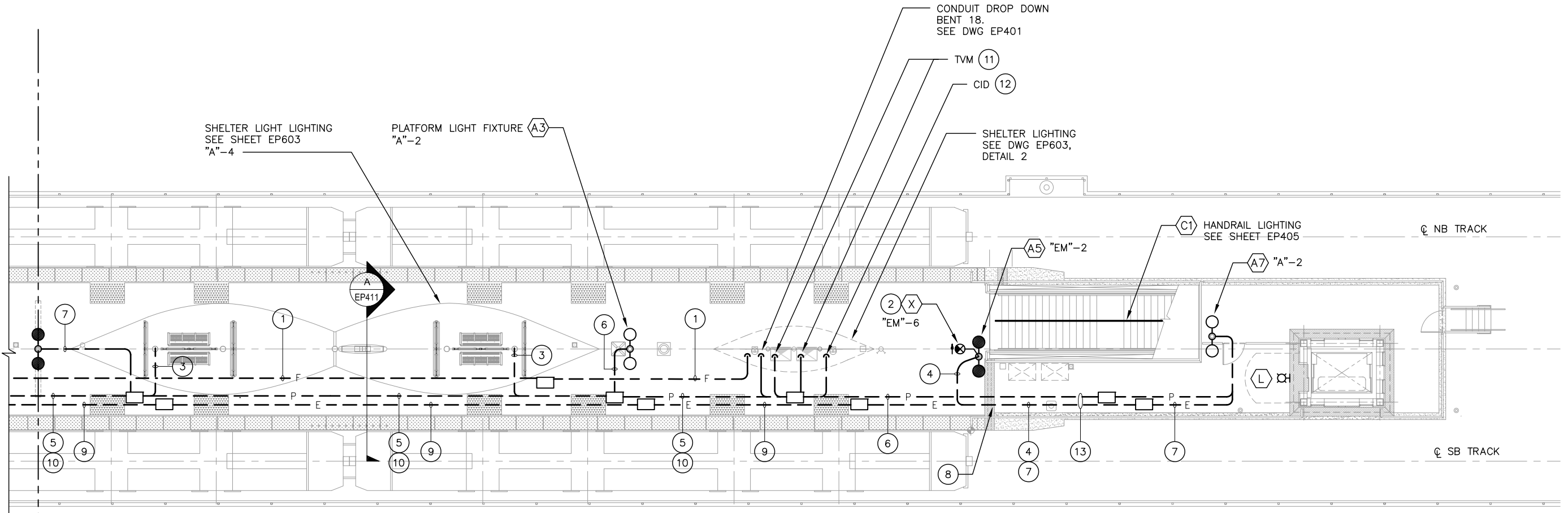


SHEET NOTES:

- ① PROVIDE 1 1/2"C, MT (FIRE ALARM)
- ② INSTALL EXIT SIGN ON LIGHT POLE AT 7'-6".
- ③ PROVIDE 3/4"C, 2#10 (A-4, SHELTER LTG, 277 V)
1#10 (G)
- ④ PROVIDE 3/4"C, 2#12 (EM-6, EXIT LTG, 277 V)
2#10 (EM-2, PLATFORM LTG, 277 V)
1#10 (G)
- ⑤ PROVIDE 1 1/2"C, 4#1 (PANEL "B", 277/480 V)
1#8 (G)
- ⑥ PROVIDE 1"C, 2#10 (A-2, PLATFORM LTG, 277 V)
1#10 (G)
- ⑦ PROVIDE 1"C, 2#10 (EM-2, PLATFORM LTG, 277 V)
1#10 (G)

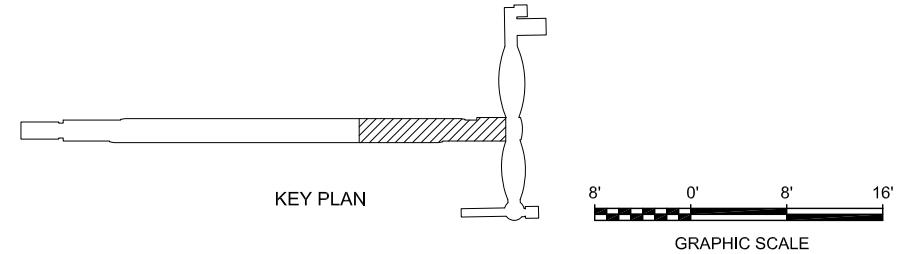
SHEET NOTES (CONTINUED):

- ⑧ PROVIDE CONDUIT EXPANSION FITTING IN ALL CONDUITS CROSSING EXPANSION JOINTS..
- ⑨ PROVIDE 1"C, 2#12 (EM-6, EXIT LTG, 277 V)
2#10 (EM-3, HANDRAIL LTG, 277 V)
1#10 (G)
- ⑩ PROVIDE 1"C, 2#10 (A-2, PLATFORM LTG, 277 V)
2#10 (A-4, SHELTER LTG, 277 V)
1#10 (G)
- ⑪ PROVIDE 3/4"C, 2#12 (E-10, TVM, 120 V)
2#12 (G)
- ⑫ PROVIDE 3/4"C, 2#12 (E-10, CID, 120 V)
2#12 (G)
- ⑬ PROVIDE CONDUIT SUPPORT HANGERS FROM GUIDEWAY ABOVE.



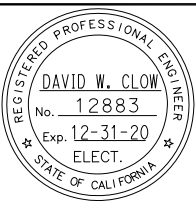
MATCH LINE
SEE DWG NO. EP403

1 PLATFORM ELECTRICAL PLAN 3
EP404 SCALE 1/8"=1'-0"



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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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 4701 Patrick Henry Drive, Bldg. 10 phone (408) 970-9888
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DESIGNED: D. Clow CHECKED: K. Ngai
 DRAWN: C. Basuki CADD FILE NAME: 801EP404



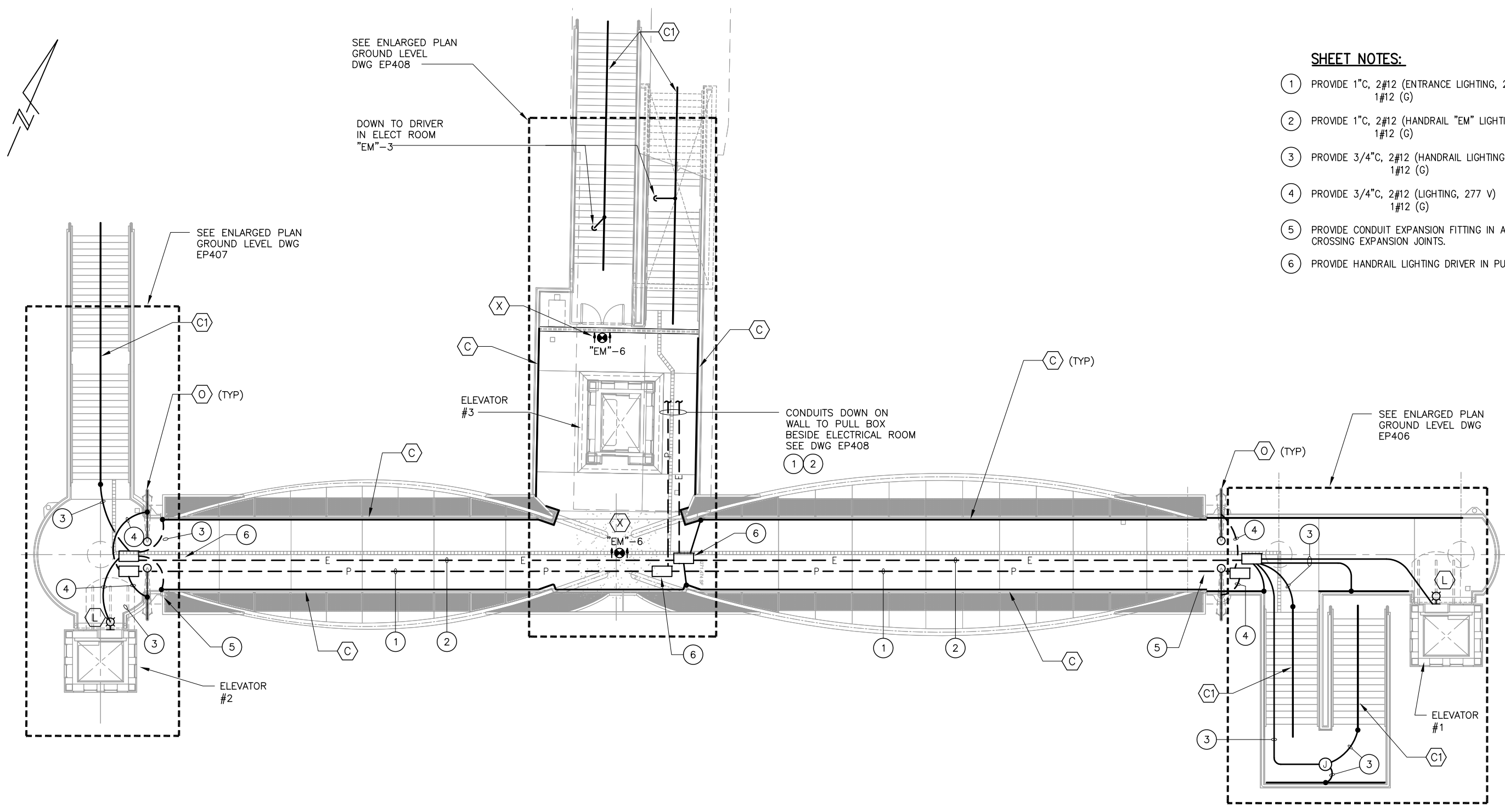
BKF100+
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CADD FILE DATE: 09/09/17 SCALE: 1/8"=1'-0"
 SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STORY STATION
 PLATFORM ELECTRICAL PLAN 3

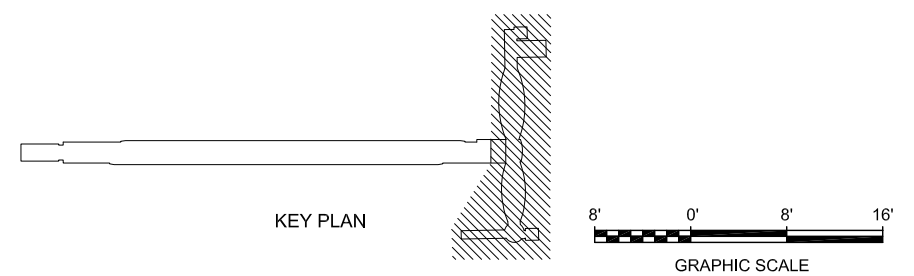
PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET	1
OF	
DRAWING NO.	EP404
REVISION	B



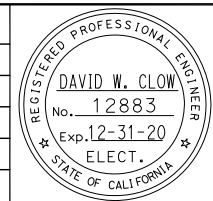
- SHEET NOTES:**
- 1 PROVIDE 1" C, 2#12 (ENTRANCE LIGHTING, 277 V) 1#12 (G)
 - 2 PROVIDE 1" C, 2#12 (HANDRAIL "EM" LIGHTING, 277 V) 1#12 (G)
 - 3 PROVIDE 3/4" C, 2#12 (HANDRAIL LIGHTING, 24 VDC) 1#12 (G)
 - 4 PROVIDE 3/4" C, 2#12 (LIGHTING, 277 V) 1#12 (G)
 - 5 PROVIDE CONDUIT EXPANSION FITTING IN ALL CONDUITS CROSSING EXPANSION JOINTS.
 - 6 PROVIDE HANDRAIL LIGHTING DRIVER IN PULL BOX.

1 PEDESTRIAN OVERCROSSING ELECTRICAL PLAN
 EP405 SCALE 1/8"=1'-0"



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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



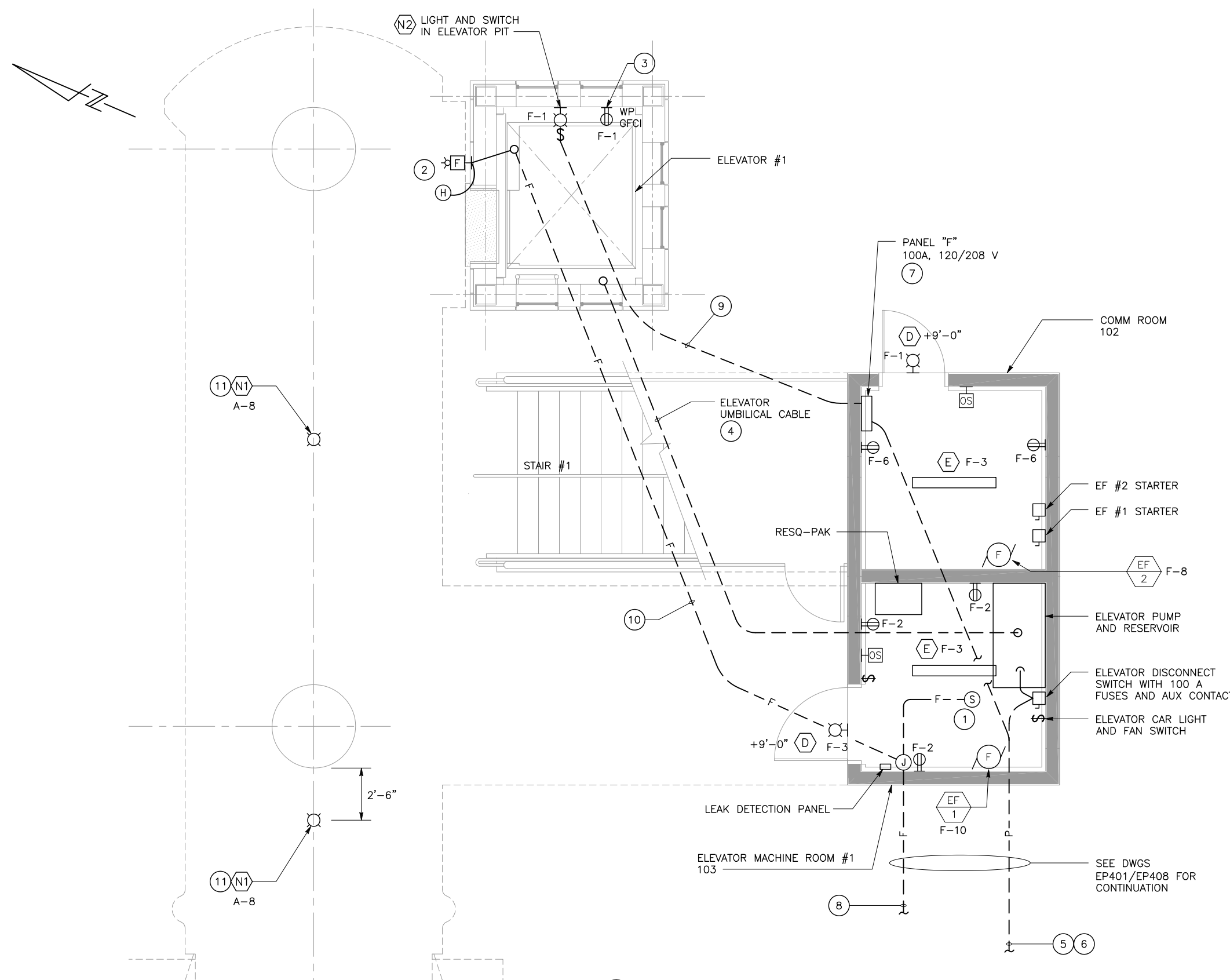
SUBMITTED		 4701 Patrick Henry Drive, Bldg. 10 phone (408) 970-9888 Santa Clara, CA 95054 fax (408) 970-9316 PROJECT NO. 205-18-01 www.aec-engineers.com	
DESIGNED	D. Clow	CHECKED	K. Ngai
DRAWN	C. Basuki	CADD FILE NAME	801EP405



APPROVED		 ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	09/09/17	SCALE	1/8"=1'-0"
SUBMITTAL DATE	06/29/20	BOARD APPROVAL DATE	

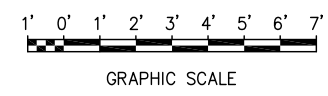
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STORY STATION PEDESTRIAN OVERCROSSING ELECTRICAL PLAN		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	1
OF	
DRAWING NO.	EP405
REVISION	B



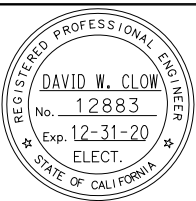
- SHEET NOTES:**
- ① PROVIDE SMOKE DETECTOR ON CEILING OF ELEVATOR MACHINE ROOM.
 - ② PROVIDE HORN/STROBE AND HEAT DETECTOR AT EACH LANDING.
 - ③ PROVIDE GFI RECEPTACLE AT 2 FT BELOW ELEVATOR LANDING IN ELEVATOR PIT IN NEMA 4 ENCLOSURE WITH IN USE COVER.
 - ④ PROVIDE 2" C (CABLE BY ELEVATOR CONTRACTOR)
 - ⑤ PROVIDE 1" C, 4#6 (PNL "F", 120/208 V) 1#10 (G)
 - ⑥ PROVIDE 1 1/2" C, 3#2 (ELEVATOR #1, 277/480 V) 1#8 (G)
 - ⑦ SEE PANEL SCHEDULED ON DWG EP707.
 - ⑧ PROVIDE 1" C (FA WIRES)
 - ⑨ PROVIDE 1" C, 2#12 & 1#12 (G)
 - ⑩ PROVIDE 1" C (FA WIRES)
 - ⑪ PROVIDE LIGHT UNDER BRIDGE DECK.

① ELEVATOR #1 AREA - GROUND LEVEL
EP406 SCALE 3/8"=1'-0"



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B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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DESIGNED	D. Clow	CHECKED	K. Ngai
DRAWN	C. Basuki	CADD FILE NAME	801EP406

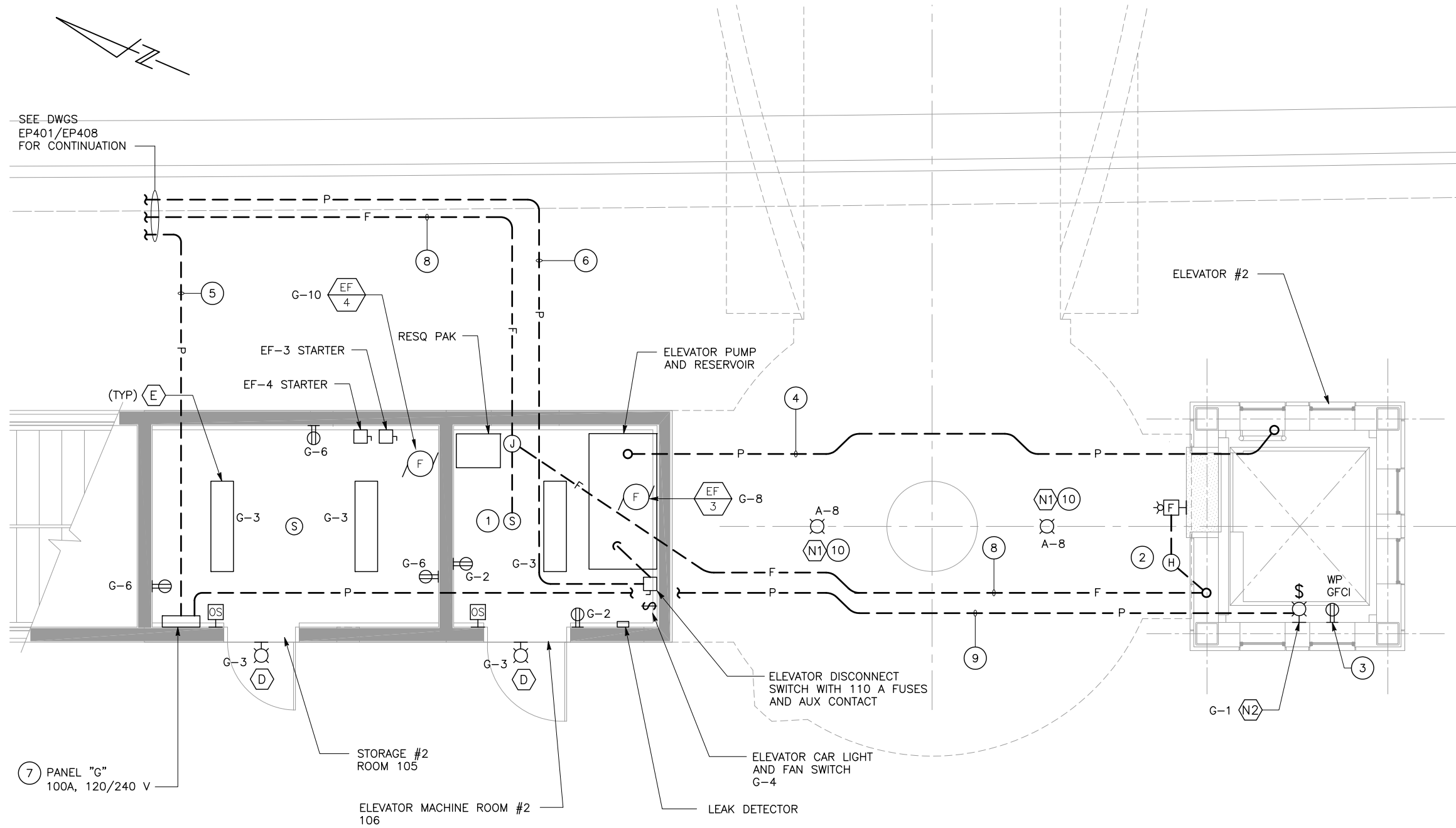


APPROVED		 ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	09/09/17	SCALE	3/8"=1'-0"
SUBMITTAL DATE	06/29/20	BOARD APPROVAL DATE	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STORY STATION ELEVATOR #1 AREA ELECTRICAL PLAN			SHEET 1 OF 1
			DRAWING NO. EP406
			REVISION B
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

SHEET NOTES:

- ① PROVIDE SMOKE DETECTOR ON CEILING OF ELEVATOR MACHINE ROOM.
- ② PROVIDE HORN/STROBE AND HEAT DETECTOR AT EACH LANDING.
- ③ PROVIDE GFI RECEPTACLE AT 2 FT BELOW ELEVATOR LANDING IN ELEVATOR PIT IN NEMA 4 ENCLOSURE WITH IN USE COVER.
- ④ PROVIDE 2" C (CABLE BY ELEVATOR CONTRACTOR)
- ⑤ PROVIDE 1" C, 4#6 (PNL "G", 120/208 V) 1#10 (G)
- ⑥ PROVIDE 1 1/2" C, 3#2 (ELEVATOR #2, 277/480 V) 1#8 (G)
- ⑦ SEE PANEL SCHEDULED ON DWG EP707.
- ⑧ PROVIDE 1" C (FA WIRES)
- ⑨ PROVIDE 1" C, 2#12 & 1#12 (G)
- ⑩ PROVIDE LIGHT UNDER BRIDGE DECK.

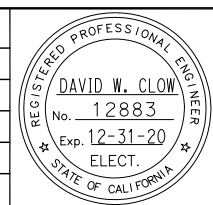


1 ELEVATOR #2 AREA
EP407 SCALE 3/8"=1'-0"



c:\code\h\dw\cbs\basuki\west\ems\8585\801EP407.dwg Jun 23, 2020 - 12:52pm C:\code\h\dw\cbs\basuki\west\ems\8585\801EP407.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



Submitted

Alliance Engineering Consultants, Inc.
4701 Patrick Henry Drive, Bldg. 10 phone (408) 970-9888
Santa Clara, CA 95054 fax (408) 970-9316
PROJECT NO. 205-18-01 www.aec-engineers.com

Designed D. Clow **Checked** K. Ngai
Drawn C. Basuki **CADD FILE NAME** 801EP407

Santa Clara Valley Transportation Authority

Approved

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 09/09/17 SCALE: 3/8"=1'-0"
SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

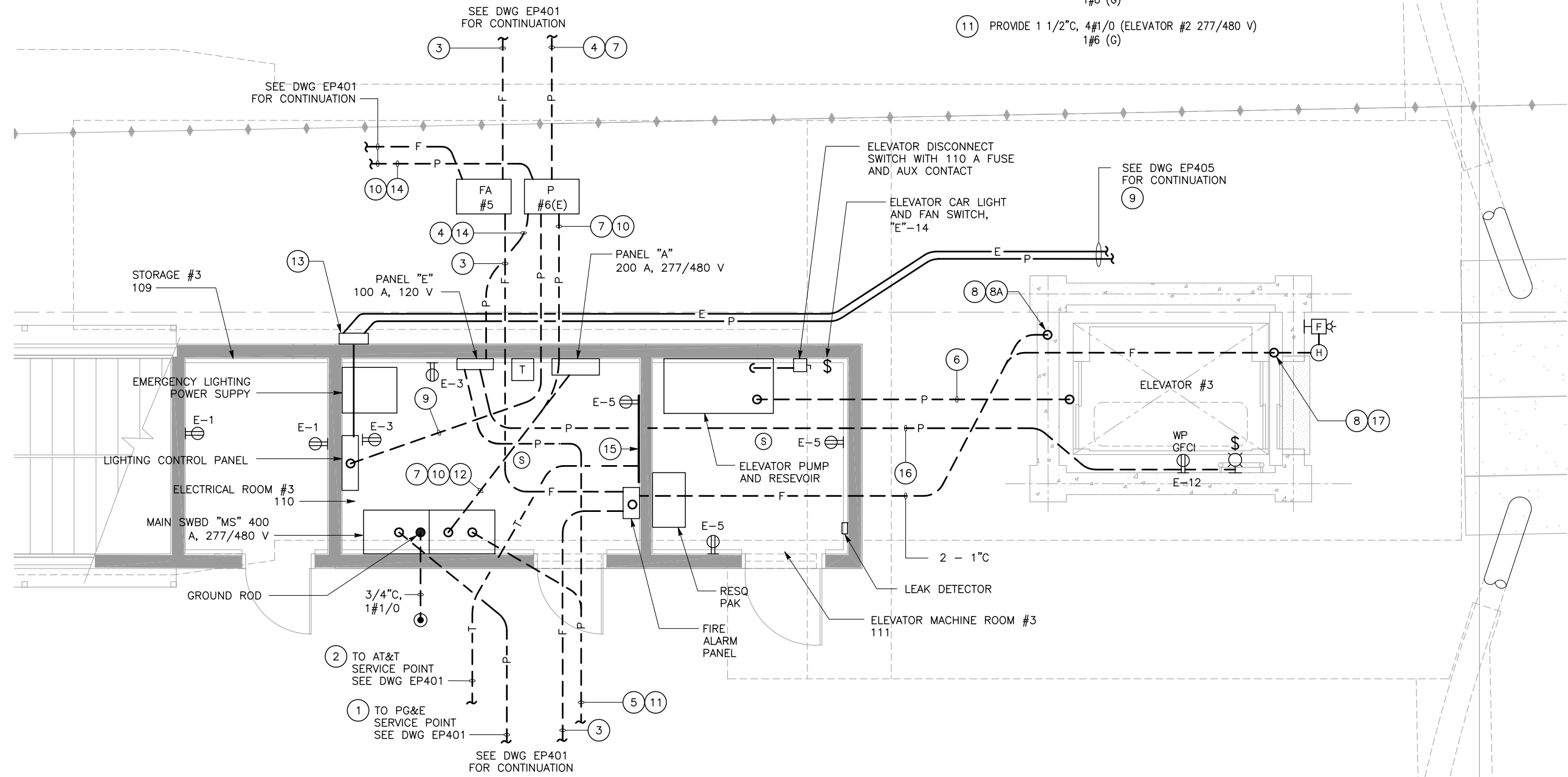
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STORY STATION
ELEVATOR #2 AREA
ELECTRICAL PLAN

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

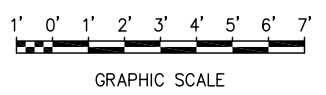
SHEET 1 OF 1
DRAWING NO. EP407
REVISION B

SHEET NOTES:

- ① PROVIDE 5"C, MT (CONDUCTORS BY PG&E)
- ② PROVIDE 2"C, MT (CABLES BY AT&T)
- ③ PROVIDE 1"C (FIRE ALARM CABLES)
- ④ PROVIDE 1"C, 4#6 (PANEL "F", 120/208 V) 1#10 (G)
- ⑤ PROVIDE 1"C, 4#6 (PANEL "G", 120/208 V) 1#10 (G)
- ⑥ PROVIDE 2"C (CABLE BY ELEVATOR CONTRACTOR)
- ⑦ PROVIDE 1 1/2"C, 3#2 (ELEVATOR #1 277/480 V) 1#8 (G)
- ⑧ PROVIDE 1"C (FIRE ALARM CABLES)
- ⑨ UPTO HEAT DETECTOR AND HORN/STROBE AT PLATFORM.
- ⑩ PROVIDE 1 1/2"C, 4#1 (PANEL "B", 277/480 V) 1#8 (G)
- ⑪ PROVIDE 1 1/2"C, 4#1/0 (ELEVATOR #2 277/480 V) 1#6 (G)
- ⑫ PROVIDE 1"C, 4#6 & 1#10 (PANEL "A", 277/480 V)
- ⑬ PULLBOX SHALL BE WEATHERPROOF 12"x12"x6" DEEP MOUNTED TO THE WALL WITH CONCRETE ANCHORS.
- ⑭ SEE NOTE ⑫ ON DWG EP401.
- ⑮ PROVIDE 4'x8'x3/4" PLYWOOD WITH MPOE (AT&T)
- ⑯ PROVIDE 1"C, 2#12 & 1#12 (G)
- ⑰ PROVIDE HORN/STROBE AND HEAT DETECTOR AT EACH LANDING.

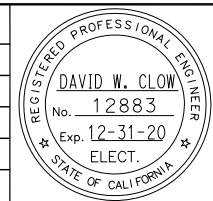


1 ENLARGED PLAN - ELEVATOR #3 AREA
EP408 SCALE 3/8"=1'-0"



c:\projects\2020 - 12-56pm - C:\codsoft\dwg\cbsbaki\west\sm98385\801EP408.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



AE Alliance Engineering Consultants, Inc.
 4701 Patrick Henry Drive, Bldg. 10 Santa Clara, CA 95054
 phone (408) 970-9888 fax (408) 970-9316 www.aec-engineers.com
 PROJECT NO. 205-18-01

DESIGNED: D. Clow
 CHECKED: K. Ngai
 DRAWN: C. Basuki
 CADD FILE NAME: 801EP408



BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 09/09/17
 SUBMITTAL DATE: 06/29/20
 SCALE: 3/8"=1'-0"
 BOARD APPROVAL DATE:

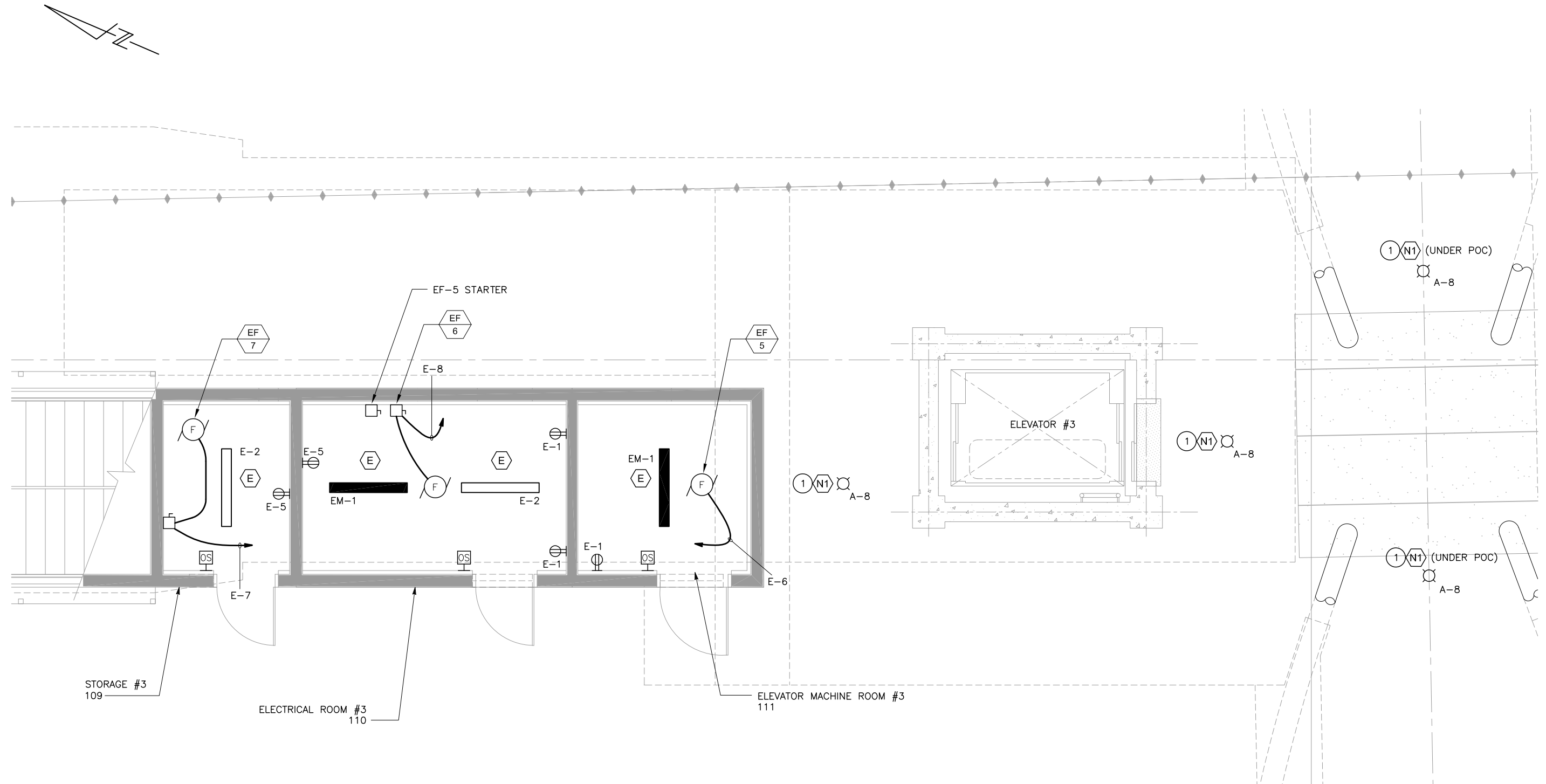
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STORY STATION
 ELEVATOR #3 AREA
 ELECTRICAL PLAN - SHEET 1

SHEET 1 OF 1
 DRAWING NO. EP408
 REVISION B

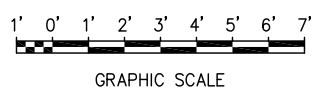
PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET NOTE:

- 1 PROVIDE LIGHT UNDER BRIDGE DECK.

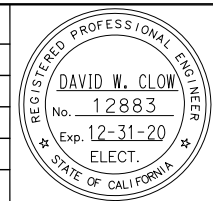


1 LIGHTING PLAN - ELEVATOR #3 AREA
 EP409 SCALE 3/8"=1'-0"



c:\pdr\12-31-2020 - 12:58pm C:\codsoft\jw\cbsbaki\west\smes8385\801EP409.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



AE Alliance Engineering Consultants, Inc.
 4711 Patrick Henry Drive, Bldg. 10 Santa Clara, CA 95054
 phone (408) 970-9888 fax (408) 970-9316 www.aec-engineers.com
 PROJECT NO. 205-18-01

DESIGNED: D. Clow
 CHECKED: K. Ngai
 DRAWN: C. Basuki
 CADD FILE NAME: 801EP409



BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 09/09/17
 SUBMITTAL DATE: 06/29/20
 SCALE: 3/8"=1'-0"
 BOARD APPROVAL DATE:

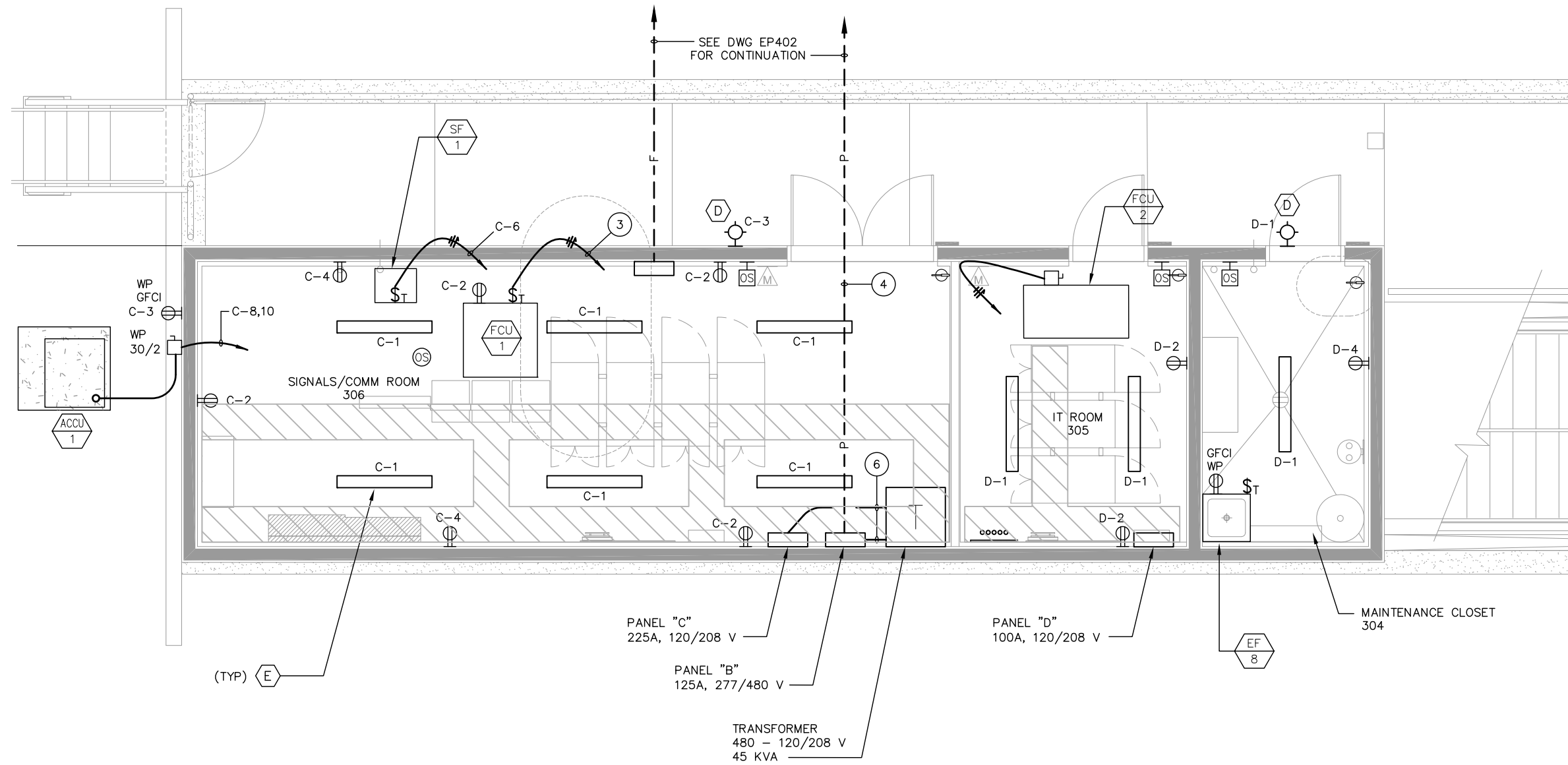
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STORY STATION
 ELEVATOR #3 AREA
 ELECTRICAL PLAN - SHEET 2

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

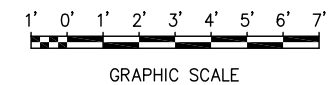
SHEET - OF -
 DRAWING NO. EP409
 REVISION A

SHEET NOTES:

- ① NOT USED.
- ② PROVIDE 1" C (FA WIRES)
- ③ PROVIDE 2" C, 3#6 & 1#8 (G)
- ④ PROVIDE 2" C, 3#2 (PANEL "B", 277/480 V) 1#8 (G)
- ⑤ NOT USED.
- ⑥ PROVIDE 2" C, 4#1/0 & 1#6 (G)

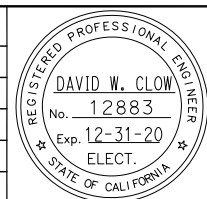


① SIGNAL/COMM HOUSE
EP410 SCALE: 3/8"=1'-0"



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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



AE Alliance Engineering Consultants, Inc.
 4701 Patrick Henry Drive, Bldg. 10 phone (408) 970-9888
 Santa Clara, CA 95054 fax (408) 970-9316
 PROJECT NO. 205-18-01 www.aec-engineers.com

DESIGNED: D. Clow CHECKED: K. Ngai
 DRAWN: C. Basuki CADD FILE NAME: 801EP410



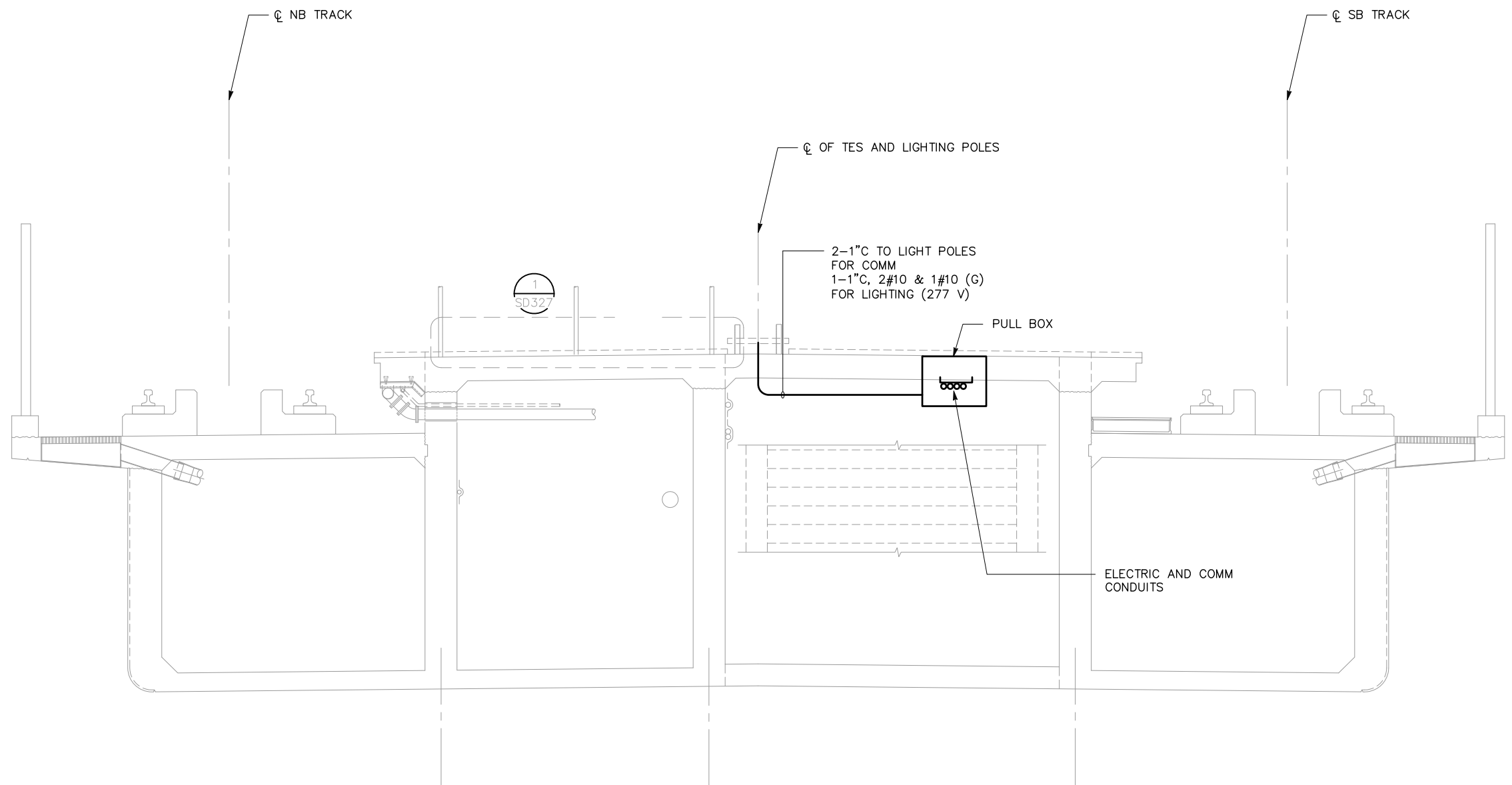
BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 09/09/17 SCALE: NTS
 SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STORY STATION
 SIGNAL COMM HOUSE

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET	1
OF	
DRAWING NO.	EP410
REVISION	B



1 STORY STATION TYPICAL SECTION
 EP411 SCALE 1/2"=1'-0"

INCOMPLETE

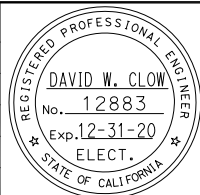
THIS DRAWING WILL BE
 COMPLETED IN THE
 NEXT SUBMITTAL

GRAPHIC SCALE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STORY STATION ELECTRICAL DETAILS			SHEET - OF DRAWING NO. EP411 REVISION B
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



AEC Alliance Engineering Consultants, Inc. <small>4701 Patrick Henry Drive, Bldg. 10 phone (408) 970-9888 Santa Clara, CA 95054 fax (408) 970-9316 PROJECT NO. 205-18-01 www.aec-engineers.com</small>	
DESIGNED D. Clow	CHECKED K. Ngai
DRAWN C. Basuki	CADD FILE NAME 801EP411



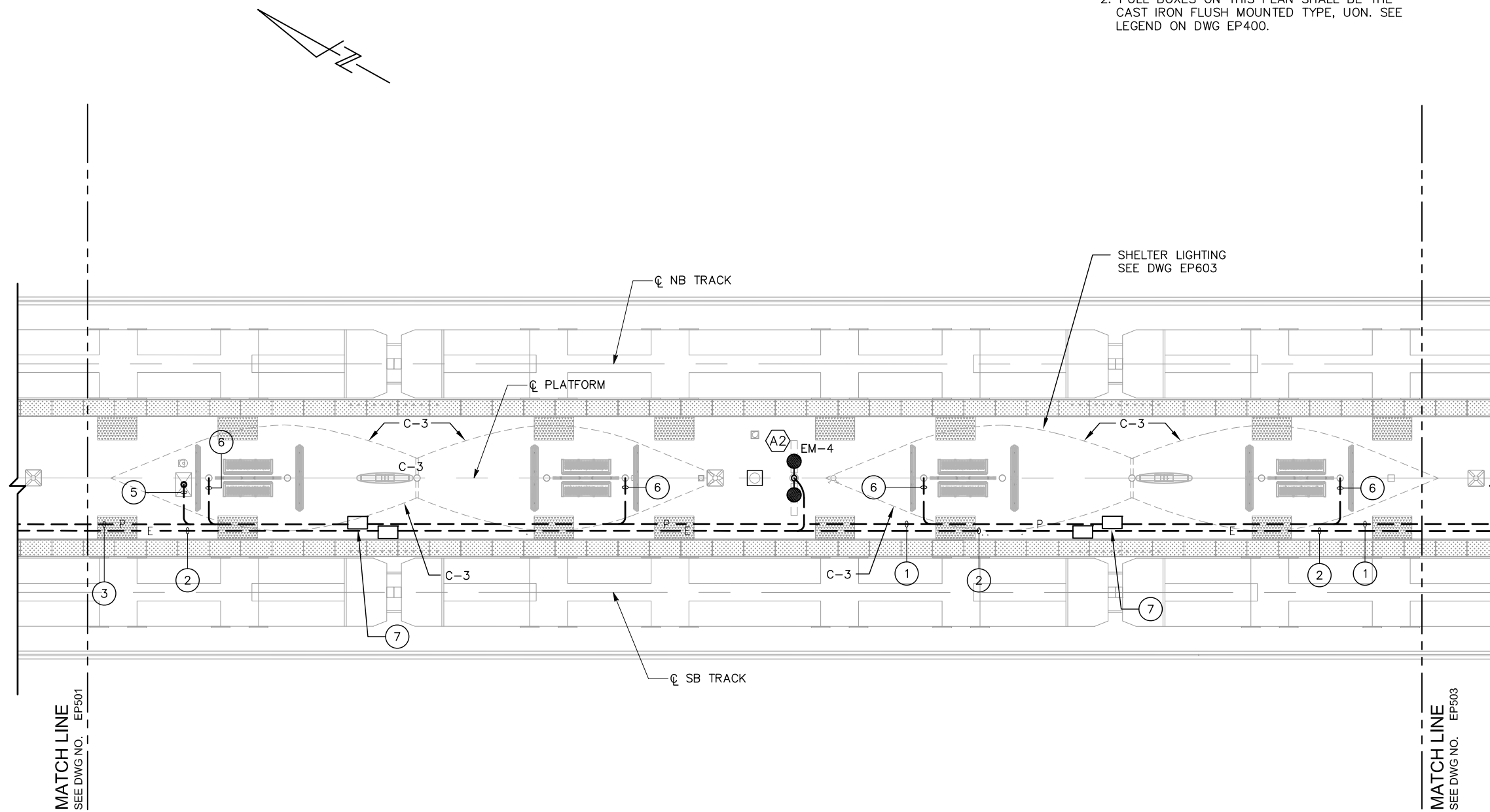
BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 09/09/17	SCALE 1/2"=1'-0"
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

GENERAL NOTES:

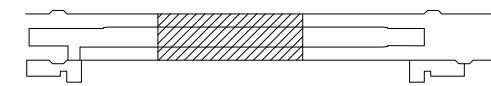
1. SEE COMMUNICATION PLANS FOR ADDITIONAL CONDUIT IN THIS AREA.
2. PULL BOXES ON THIS PLAN SHALL BE THE CAST IRON FLUSH MOUNTED TYPE, UON. SEE LEGEND ON DWG EP400.

SHEET NOTES:

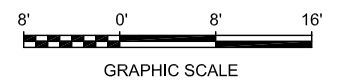
1. PROVIDE 1" C, 2#10 (C-5, PLATFORM LTG, 120 V)
2#10 (C-4, SHELTER LTG, 120 V)
2#10 (TVM, 120 V)
1#10 (G)
2. PROVIDE 1" C, 2#10 (EM-2, PLATFORM LTG, 120 V)
2#10 (EM-4, LIGHTING, 120 V)
2#10 (EM-3, HANDRAIL LTG, 120 V)
1#10 (G)
3. PROVIDE 1" C, 2#10 (C-5, LIGHTING, 120 V)
1#10 (G)
4. NOT USED.
5. PROVIDE 1" C, 2#10 (TVM, 120 V)
1#10 (G)
6. PROVIDE 1" C, 2#10 (SHELTER LIGHTING, 24 VDC)
1#10 (G)
7. CAST IRON PULL BOX WITH SHELTER LIGHTING DRIVERS.



1 PLATFORM ELECTRICAL PLAN 2
EP502 SCALE 1/8"=1'-0"

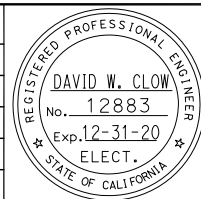


KEY PLAN



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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	06/19	65% SUBMITTAL SET



SUBMITTED		 4701 Patrick Henry Drive, Bldg. 10 phone (408) 970-9888 Santa Clara, CA 95054 fax (408) 970-9316 PROJECT NO. 205-18-01 www.aec-engineers.com	
DESIGNED	D. Clow	CHECKED	K. Ngai
DRAWN	C. Basuki	CADD FILE NAME	801EP502



APPROVED		 ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	09/09/17	SCALE	1/8"=1'-0"
SUBMITTAL DATE	06/29/20	BOARD APPROVAL DATE	

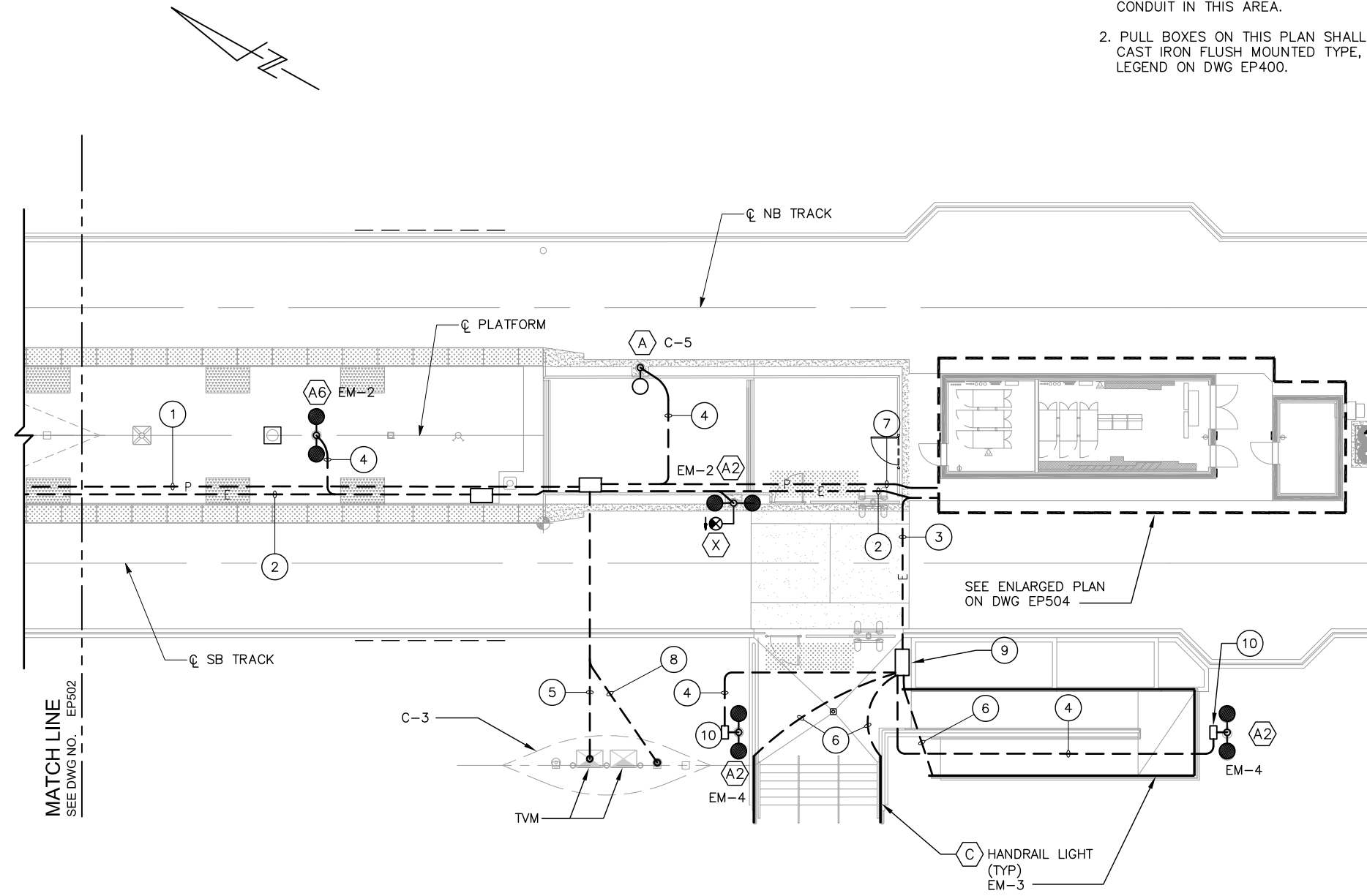
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT EASTRIDGE STATION PLATFORM ELECTRICAL PLAN 2			SHEET OF DRAWING NO. EP502 REVISION B
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	

GENERAL NOTES:

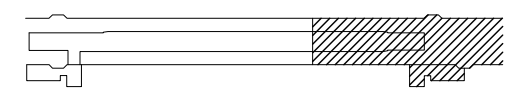
- SEE COMMUNICATION PLANS FOR ADDITIONAL CONDUIT IN THIS AREA.
- PULL BOXES ON THIS PLAN SHALL BE THE CAST IRON FLUSH MOUNTED TYPE, UON. SEE LEGEND ON DWG EP400.

SHEET NOTES:

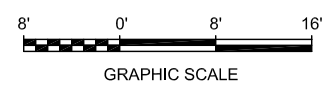
- PROVIDE 1" C, 2#10 (C-5, PLATFORM LTG, 120 V)
2#10 (C-4, SHELTER LTG, 120 V)
2#10 (TVM, 120 V)
1#10 (G)
- PROVIDE 1" C, 2#10 (EM-2, PLATFORM LTG, 120 V)
2#10 (EM-4, LIGHTING, 120 V)
2#10 (EM-3, HANDRAIL LTG, 120 V)
1#10 (G)
- PROVIDE 1" C, 2#10 (LIGHTING, 120 V)
2#10 (HANDRAIL LTG, 120 V)
1#10 (G)
- PROVIDE 1" C, 2#10 (LIGHTING, 120 V)
1#10 (G)
- PROVIDE 1" C, 2#10 (TVM, 120 V)
1#10 (G)
- PROVIDE 3/4" C, 2#10 (HANDRAIL LTG, 24 VDC)
1#10 (G)
- PROVIDE 1 1/2" C, 2#10 (PLATFORM LTG, 120 V)
2#10 (SHELTER LTG, 120 V)
6#10 (TVM, 120 V)
1#10 (G)
- PROVIDE 1" C, 2#10 (SHELTER LTG, 24 VDC)
1#10 (G)
- CAST IRON PULL BOX WITH HANDRAIL LIGHTING DRIVER.
- CALTRANS #3 1/2 PULL BOX.



1 PLATFORM ELECTRICAL PLAN 3
EP503 SCALE 1/8"=1'-0"

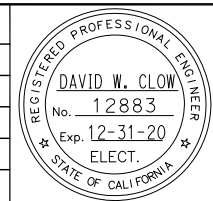


KEY PLAN



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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



Submitted: Alliance Engineering Consultants, Inc.
 4701 Patrick Henry Drive, Bldg. 10 phone (408) 970-9888
 Santa Clara, CA 95054 fax (408) 970-9316
 PROJECT NO. 205-18-01 www.aec-engineers.com

Designed: D. Clow
Checked: K. Ngai
Drawn: C. Basuki
CADD File Name: 801EP503

Santa Clara Valley Transportation Authority

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

Approved: CADD FILE DATE: 09/09/17
 SUBMITTAL DATE: 06/29/20
 SCALE: 1/8"=1'-0"
 BOARD APPROVAL DATE:

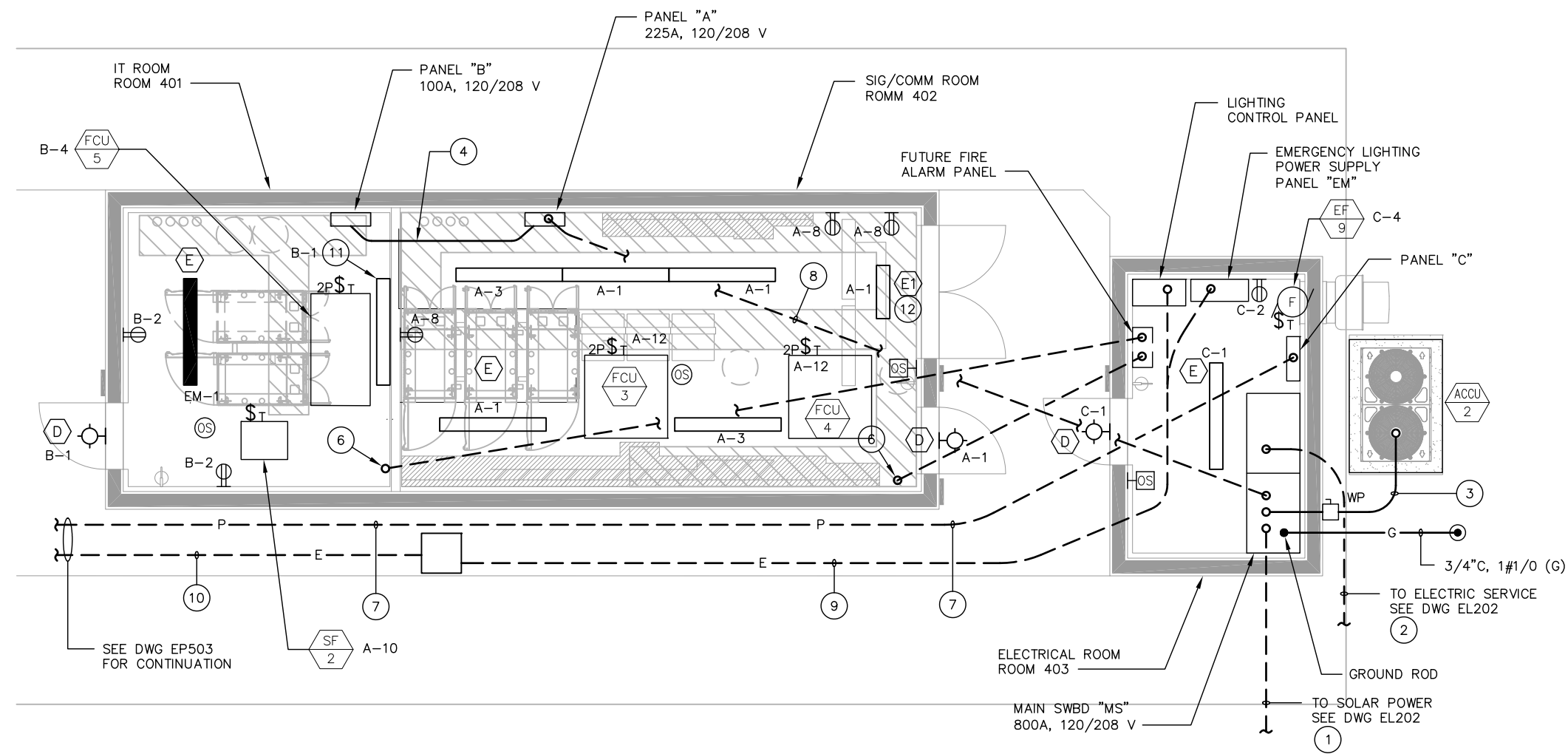
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
EASTRIDGE STATION
PLATFORM ELECTRICAL PLAN 3

SHEET 1 OF 1
 DRAWING NO. EP503
 REVISION B

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET NOTES:

- 1 SEE SINGLE LINE DIAGRAM ON DWG EP702.
- 2 PROVIDE 4" C, MT. (CONDUCTORS BY PG&E)
- 3 PROVIDE 1" C, 3#6 & 1#10 (G)
- 4 SEE NOTE 5 ON DWG EP702.
- 5 SEE NOTES 2, 7 AND 8 ON DWG EP503.
- 6 STUB-UP 1" C (MT) AND CAP FOR FUTURE FIRE ALARM.
- 7 SEE NOTE 7 ON DWG EP503.
- 8 SEE NOTE 4 ON DWG EP702.
- 9 PROVIDE 1" C, 2#10 (EM-2, PLATFORM LTG, 120 V)
2#10 (EM-3, HANDRAIL LTG, 120 V)
2#10 (EM-4, LIGHTING, 120 V)
1#10 (G)
- 10 SEE NOTES 2 AND 3 ON DWG EP503
- 11 PROVIDE TYPE "E" LIGHT FIXTURE ON 45' WALL BRACKET BELOW THE MECHANICAL EQUIPMENT.
- 12 INSTALL THIS LIGHT UNDER THE CABLE TRAY.

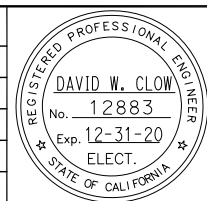


1 ELECTRICAL BUILDING
EP504 SCALE 3/8"=1'-0"



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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



AE Alliance Engineering Consultants, Inc.
 4701 Patrick Henry Drive, Bldg. 10 phone (408) 970-9888
 Santa Clara, CA 95054 fax (408) 970-9316
 PROJECT NO. 205-18-01 www.aec-engineers.com

DESIGNED: D. Clow CHECKED: K. Ngai
 DRAWN: C. Basuki CADD FILE NAME: 801EP504



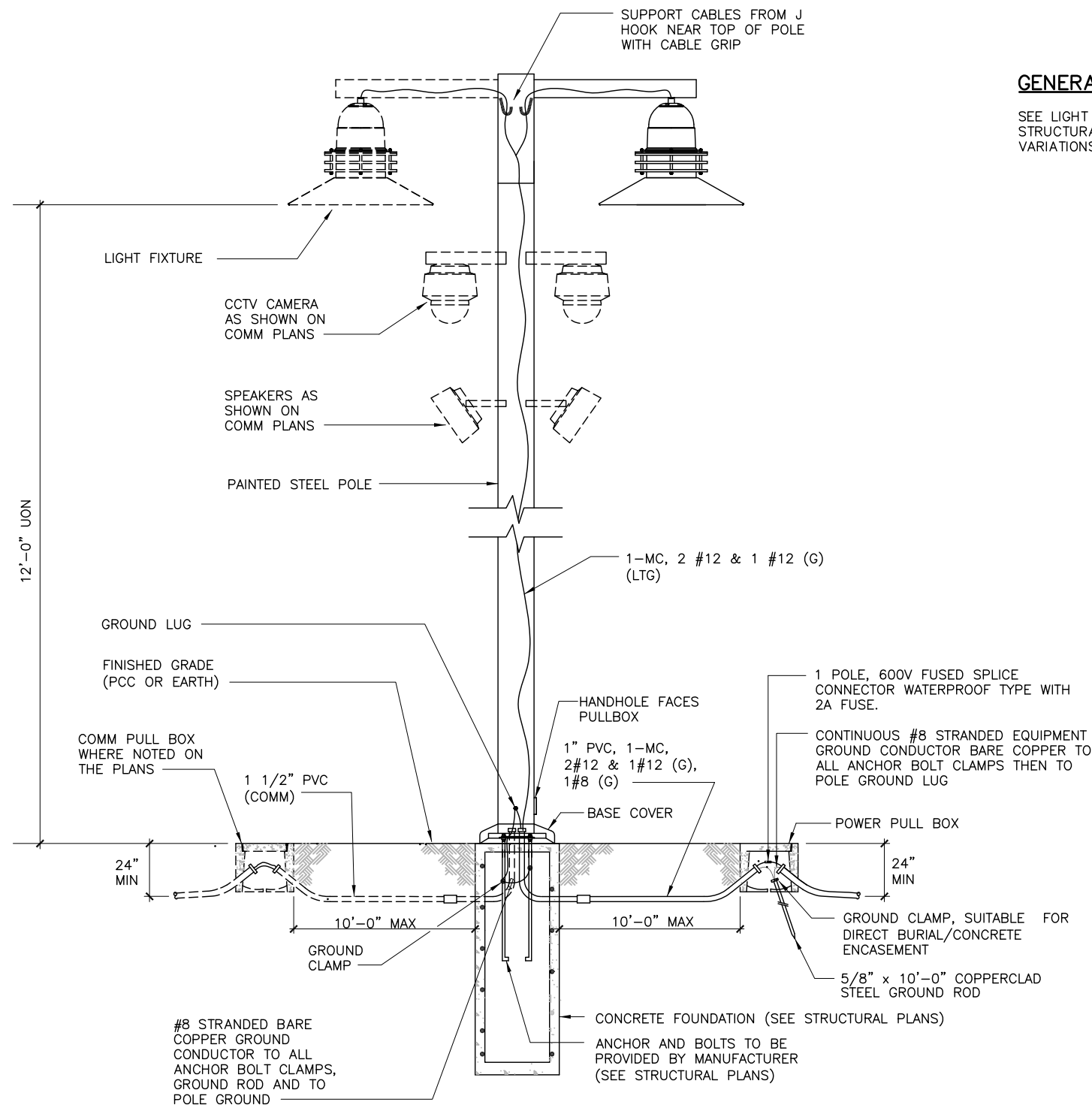
BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 09/09/17 SCALE: 1/8"=1'-0"
 SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 EASTRIDGE STATION
 ELECTRICAL BUILDING

SHEET 1 OF 1
 DRAWING NO. EP504
 REVISION B

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

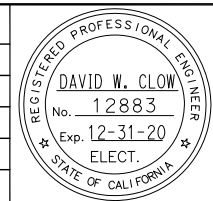


GENERAL NOTE:
SEE LIGHT FIXTURE SCHEDULE ON SHEET EP606, STRUCTURAL AND COMMUNICATION DRAWINGS FOR VARIATIONS OF THIS ELECTROLIER.

1 PEDESTRIAN ELECTROLIER TYPE "A1" THROUGH "A7"
EP601 NTS

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



Submitted by: Alliance Engineering Consultants, Inc.
4701 Patrick Henry Drive, Bldg. 10 Santa Clara, CA 95054
phone (408) 970-9888 fax (408) 970-9316
PROJECT NO. 205-18-01 www.aec-engineers.com

Designed by: D. Clow
Checked by: K. Ngai
Drawn by: C. Basuki
CADD File Name: 801EP601



Approved by: BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS

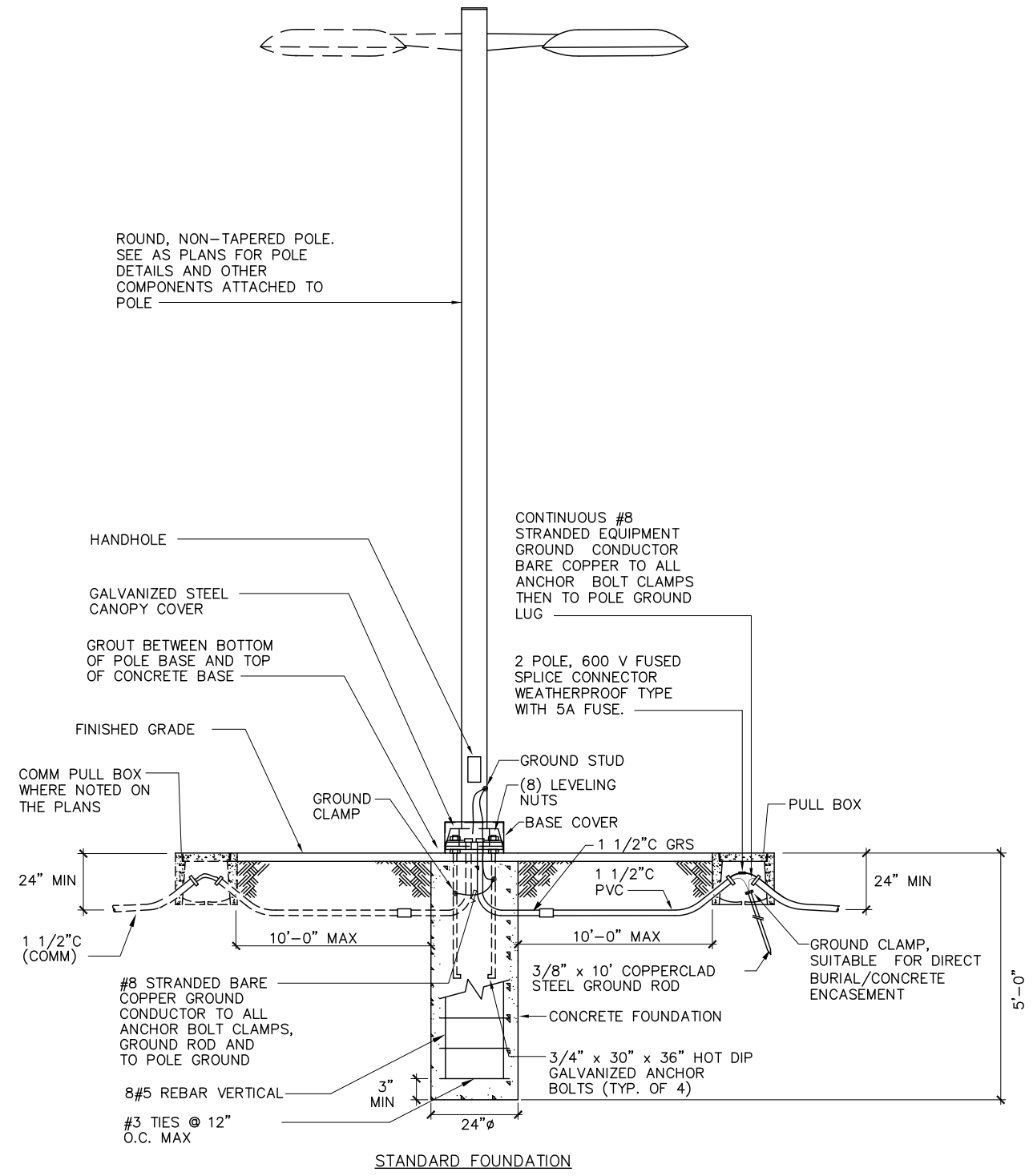
CADD File Date: 09/09/17
Scale: NTS
Submittal Date: 06/29/20
Board Approval Date:

Project: EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT

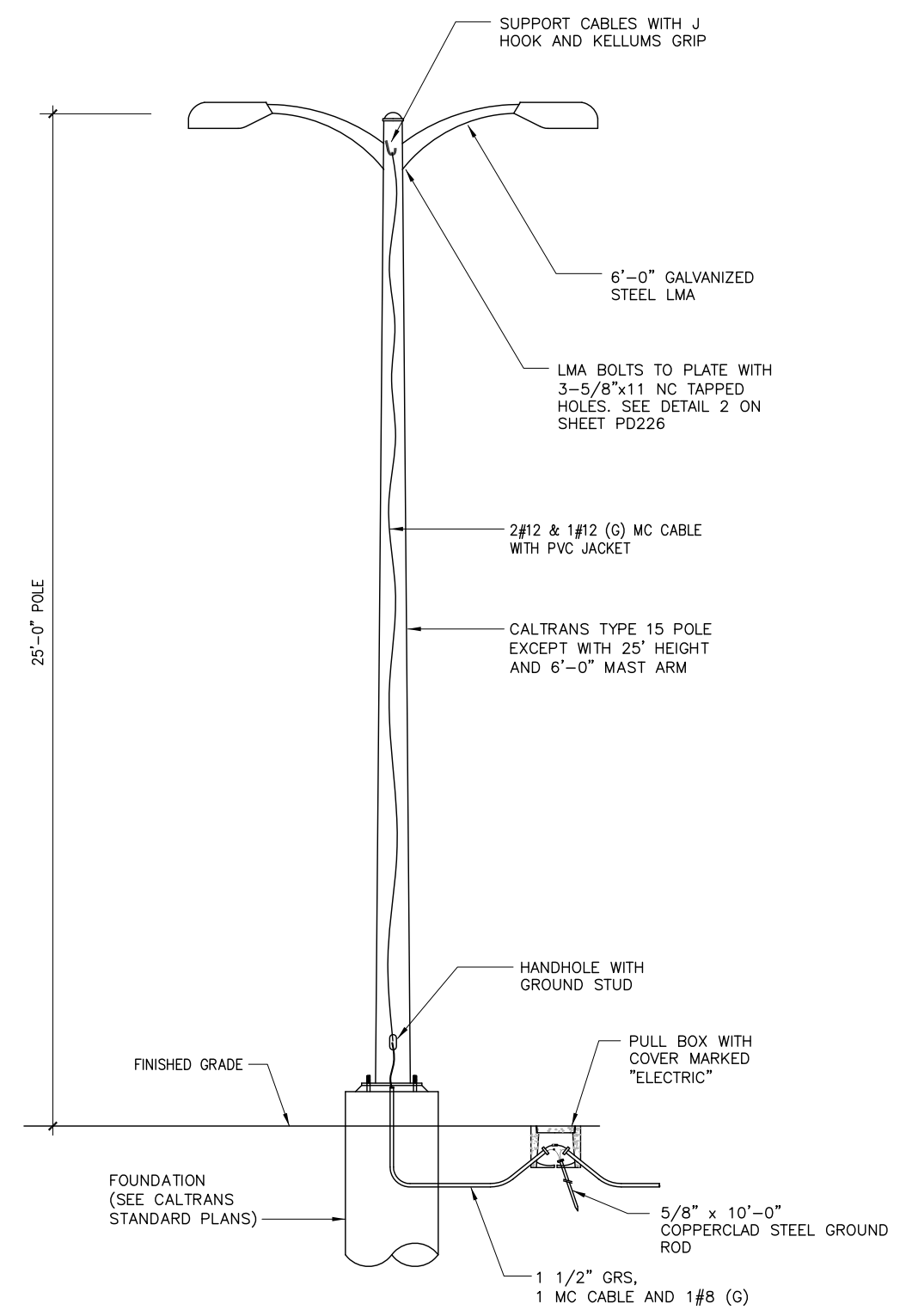
Sheet: EP601 OF -
Revision: B

Lighting Details

Contract No.: C801
File Location: PROJECTWISE



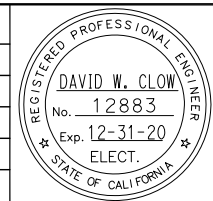
2 TRANSIT CENTER ELECTROLIER TYPE "G"
EP602 HARDSCAPE AREA
NTS



1 TAIL TRACK LIGHTING TYPE "M"
EP602 NTS

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 Jun 23, 2020 - 2:32pm
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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



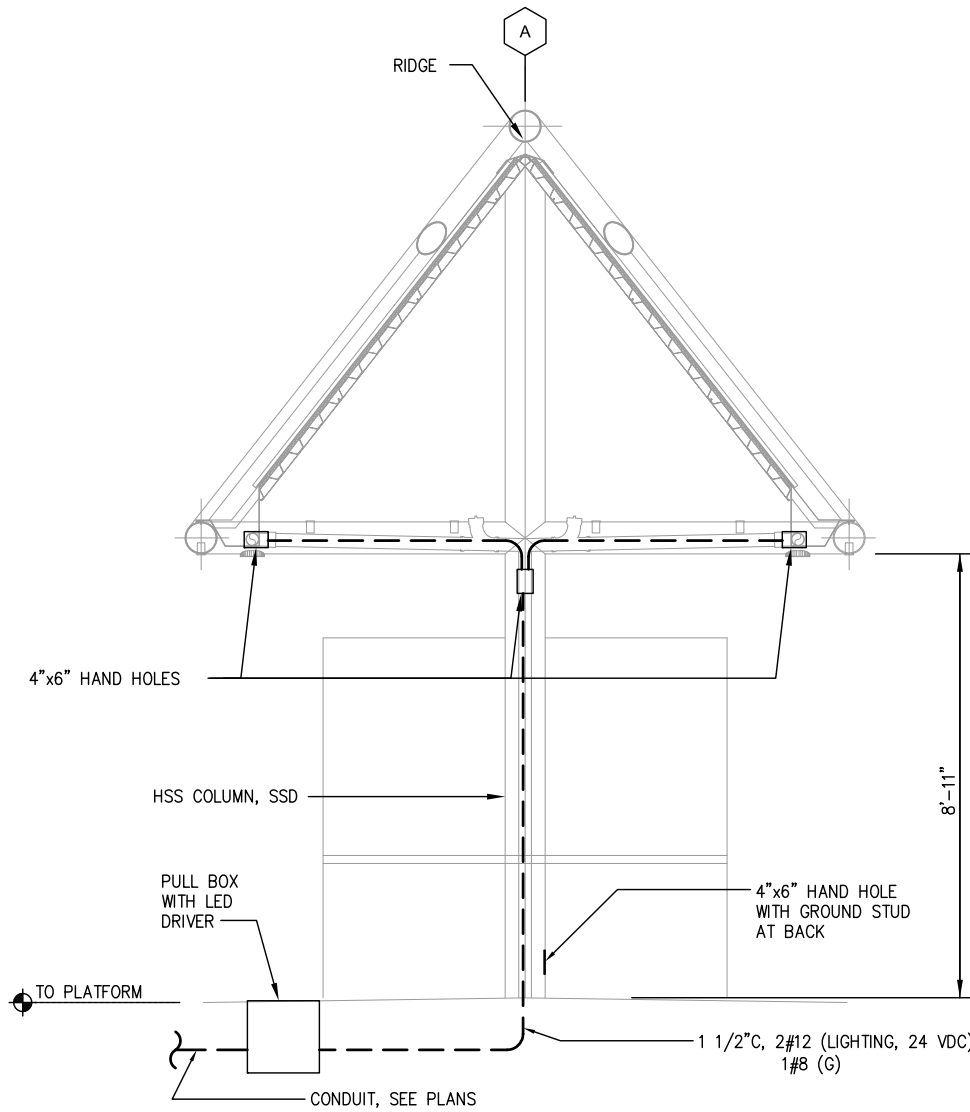
SUBMITTED AE Alliance Engineering Consultants, Inc. 4701 Patrick Henry Drive, Bldg. 10 phone (408) 970-9888 Santa Clara, CA 95054 fax (408) 970-9316 PROJECT NO. 205-18-01 www.aec-engineers.com	
DESIGNED D. Clow	CHECKED K. Ngai
DRAWN C. Basuki	CADD FILE NAME 801EP602



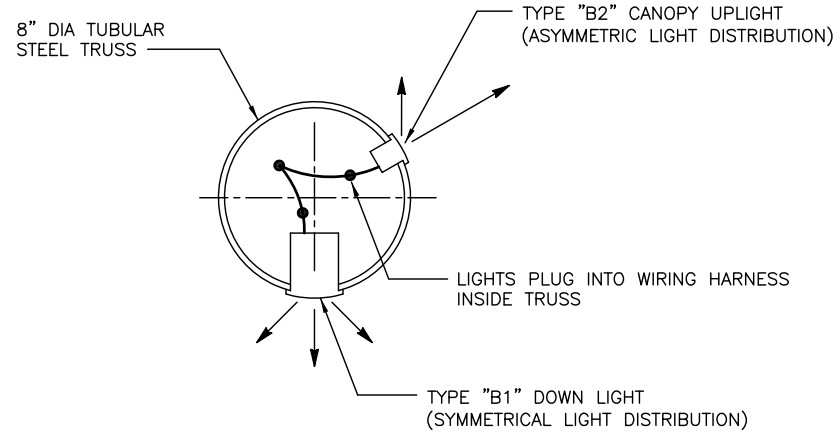
APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 09/09/17	SCALE NTS
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT		
LIGHTING DETAILS		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

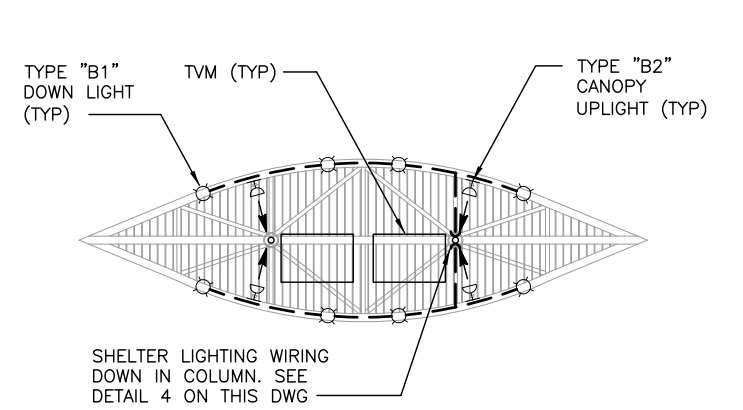
SHEET	-
OF	-
DRAWING NO.	EP602
REVISION	B



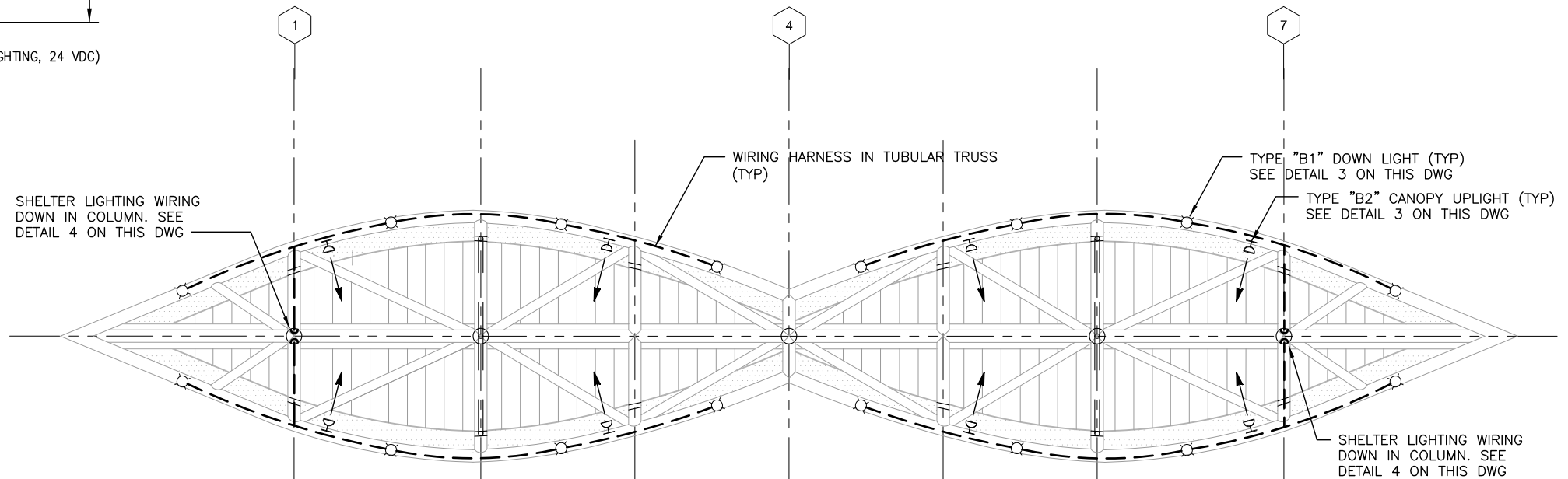
4 TYPICAL SHELTER WIRING ACCESS
EP603 SCALE 1/2"=1'-0" (COLUMN #1 AND #7 ONLY)



3 SHELTER LIGHTING TYPE "B" INSTALLATION DETAIL
EP603 SCALE 1"=4"



2 TVM SHELTER LIGHTING PLAN
EP603 SCALE 1/4"=1'-0"

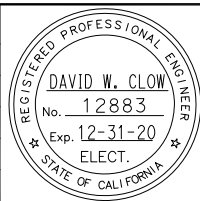


1 SHELTER LIGHTING PLAN
EP603 SCALE 1/4"=1'-0"



c:\cadd\shelter\basuki\west\um98355\801EP603.dwg Jun 23, 2020 - 2:35pm

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



DESIGNED D. Clow		CHECKED K. Ngai	
DRAWN C. Basuki		CADD FILE NAME 801EP603	

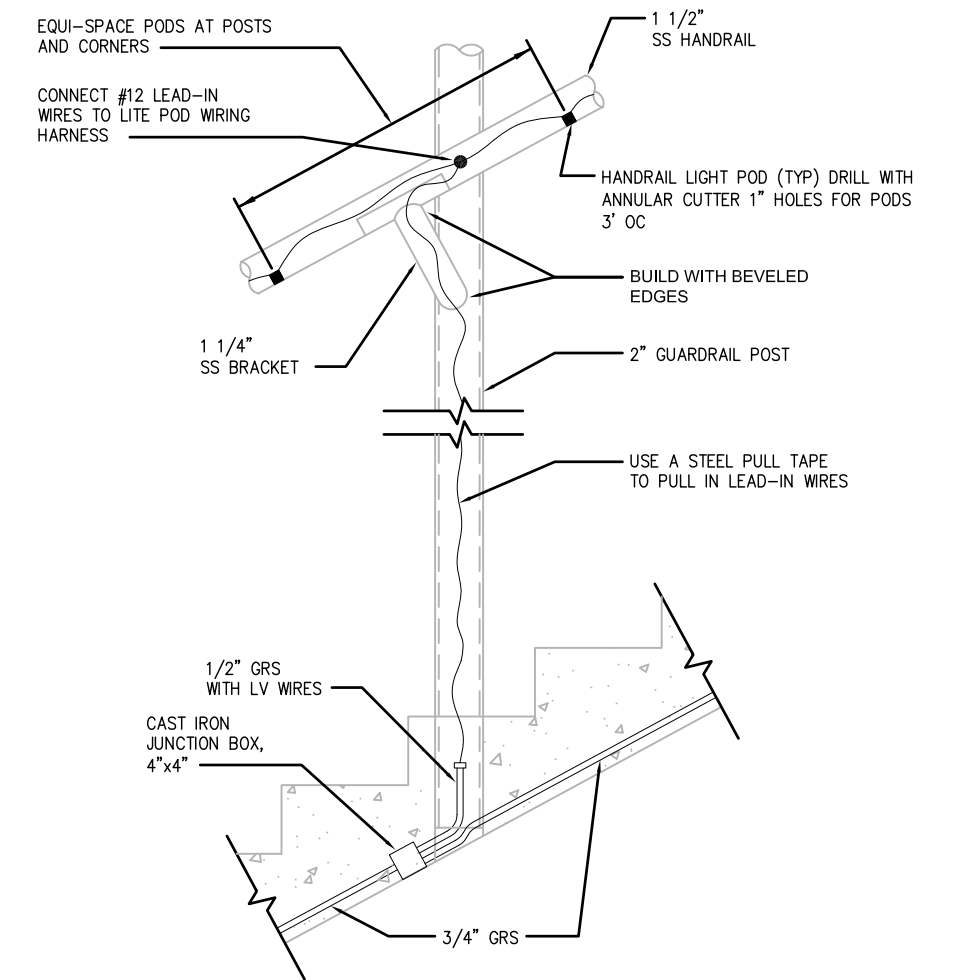
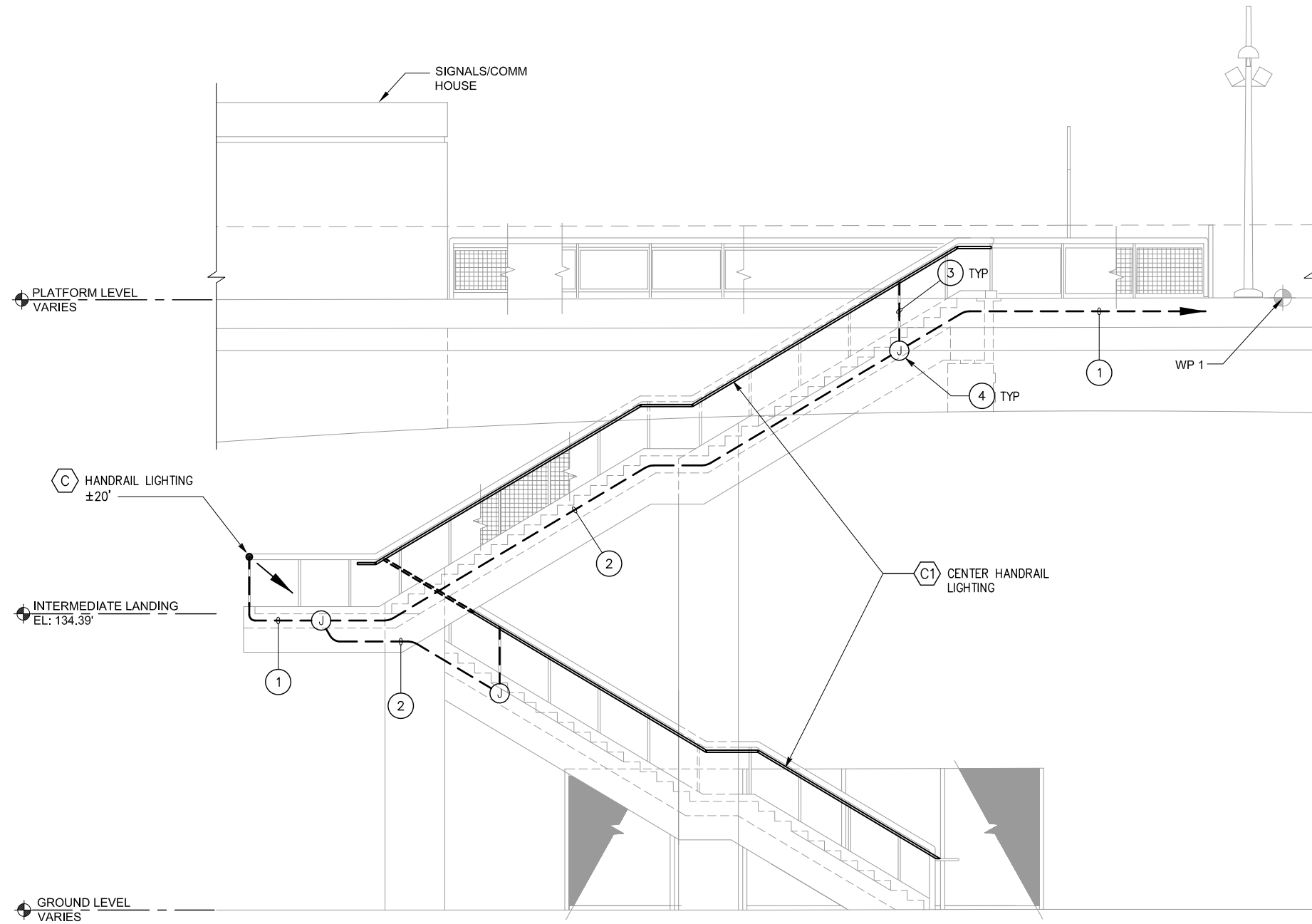


APPROVED BKF100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 09/09/17	SCALE AS SHOWN
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT			SHEET OF -
SHELTER LIGHTING DETAILS			DRAWING NO. EP603
			REVISION B
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

SHEET NOTES:

- ① 1/2" GRS, 2#12 (HANDRAIL LTG, 24 VDC)
1#12 (G)
- ② 3/4" GRS, 2#10 (HANDRAIL LTG, 24 VDC)
1#10 (G)
- ③ 2#12 AND 1#12 (G) HANDRAIL LTG CONDUCTORS RISE UP IN HANDRAIL POST. SEE DETAIL 2 ON THIS SHEET.
- ④ SEE DETAIL 2 ON THIS SHEET FOR JUNCTION BOX DETAIL.
- ⑤ CONDUIT RUN PER NOTE ② TO PULL BOX WITH DRIVER. SEE DWG EP402 FOR CONTINUATION.



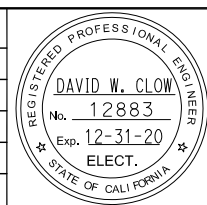
NOTE:
SEE ARCHITECTURAL DRAWING AP573

① **1 STORY STATION NORTH STAIRWAY**
EP604 SCALE: 1/4"=1'-0"

② **HANDRAIL LIGHT INSTALLATION**
EP604 NTS

Jun 23, 2020 - 2:35pm C:\oad\dlb\p\l\basuki\west\lms98385\801EP604.dwg
 chrf

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



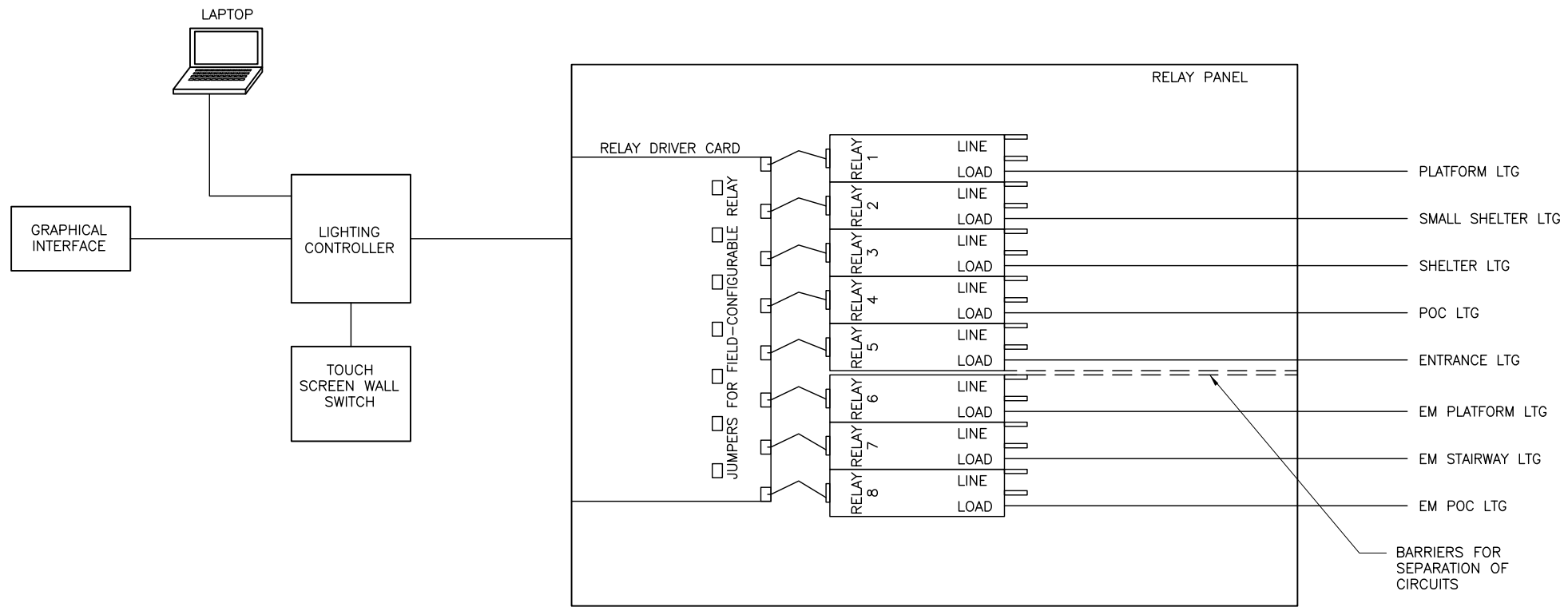
SUBMITTED AEC Alliance Engineering Consultants, Inc. 4701 Patrick Henry Drive, Bldg. 10 Santa Clara, CA 95054 PROJECT NO: 205-18-01 phone (408) 970-9888 fax (408) 970-9316 www.aec-engineers.com	
DESIGNED D. Clow	CHECKED K. Ngai
DRAWN C. Basuki	CADD FILE NAME 801EP604



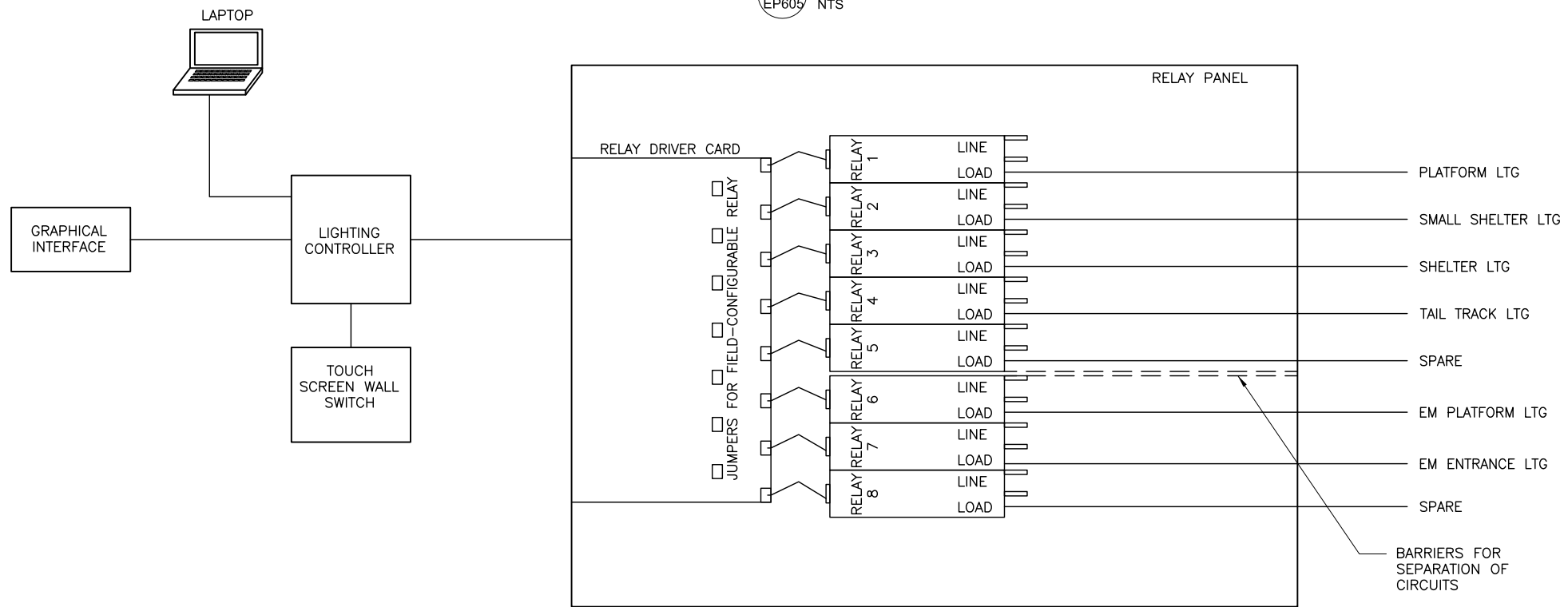
APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 09/09/17	SCALE AS SHOWN
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT		
HANDRAIL LIGHTING DETAILS		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	-
DRAWING NO.	EP604
REVISION	B



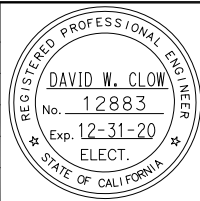
1 STORY LRT STATION
EP605 NTS



2 EASTRIDGE LRT STATION
EP605 NTS

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



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 4701 Patrick Henry Drive, Bldg. 10 phone (408) 970-9888
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DESIGNED: D. Clow CHECKED: K. Ngai
 DRAWN: C. Basuki CADD FILE NAME: 801EP605



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APPROVED: [Signature]
 CADD FILE DATE: 09/09/17 SCALE: NTS
 SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

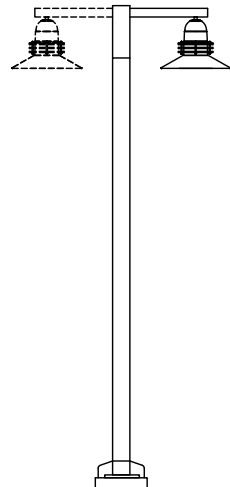
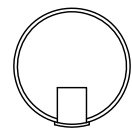
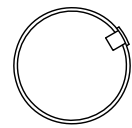
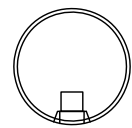
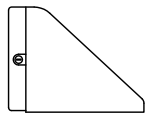
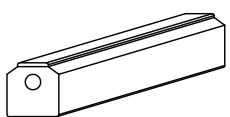
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT

LIGHTING CONTROL DIAGRAMS

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

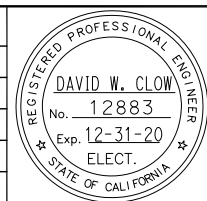
SHEET OF	-
DRAWING NO.	EP605
REVISION	A

LIGHT FIXTURE SCHEDULE

	MARK	MANUFACTURER	FIXTURE	TOTAL WATTS	VOLTS	MOUNTING	DESCRIPTION
	A	LUMINAIRE ARCHITECTURAL AREA LIGHTING UCM2-LUM-STR-ST5-36L-460-4K7-2-DL-BL-SCP-20F-UNV OR APPROVED EQUAL	LED	72	120 TO 277	14'-6" ROUND PAINTED STEEL POLE SEE DWG EP601	SINGLE PLATFORM LIGHT FIXTURE CAST ALUMINUM HOUSING INTEGRAL DRIVER TYPE II LIGHT DISTRIBUTION 4000' K BLACK POWDER FINISH SEE STRUCTURAL PLANS
	A1			72			SAME AS TYPE "A" EXCEPT WITH 1 CAMERA
	A2			142			SAME AS TYPE "A" EXCEPT WITH TWIN LIGHT FIXTURES
	A3			200			SAME AS TYPE "A2" EXCEPT WITH 1 CAMERA
	A4			200			SAME AS TYPE "A2" EXCEPT WITH 1 CAMERA AND 2 SPEAKERS
	A5			200			SAME AS TYPE "A2" EXCEPT WITH 2 SPEAKERS
	A6			200			SAME AS TYPE "A2" EXCEPT WITH 2 CAMERAS AND 2 SPEAKERS
	A7			200		SEE DWG EP601	SAME AS TYPE "A2" EXCEPT WITH PIM, CAMERA & SPEAKERS. SEE SHEETS KD107 & KD118.
	B1	LUMINAIRE KLIK USA XL50-R85 DRIVER: MEANWELL HLG-100H-24 OR APPROVED EQUAL	LED	4.5	24 VDC	RECESSED IN 8" DIA SHELTER STRUCTURAL TUBING SEE DWG EP603	SHELTER DOWN LIGHT FIXTURE 2" DIA x 2.4" HIGH FROSTED LENS SYMMETRICAL LIGHT DISTRIBUTION #16 WIRING HARNESS REMOTE DIMMING DRIVER, 0-10 V, 96 W, IP67, 120 - 277 V 4000' K BRUSHED STAINLESS STEEL TRIM
	B2	LUMINAIRE KLIK USA OR APPROVED EQUAL	LED	2	24 VDC	SEE DWG EP603	SHELTER UPLIGHT FIXTURE 1" DIA 2W LED LIGHT PODS FROSTED LENS ASYMMETRICAL LIGHT DISTRIBUTION #16 WIRING HARNESS 0-10 V REMOTE DIMMING DRIVER, 120 - 277 V 4000'K COLOR TEMPERATURE
	C	LUMINAIRE KLIK USA LED POD 40 LP40/40K/A/1512/DIM/TP OR APPROVED EQUAL	LED	2 W LITE POD	24 VDC	HANDRAIL FOR STAIRWAY, RAMPS AND POC SEE DWG EP604	HANDRAIL LIGHT ASYMMETRIC LIGHT DISTRIBUTION MIDDLE HANDRAIL - SYMMETRIC SAME AS TYPE "B2" EXCEPT INSTALL LIGHT PODS IN HAND RAIL EVERY 36" HANDRAIL SHALL BE 316 STAINLESS STEEL SEE ARCHITECTURAL SPECIFICATIONS FOR FINISH
	C1						SAME AS TYPE "C" EXCEPT WITH SYMMETRIC LIGHT DISTRIBUTION
	D	LUMINAIRE WILLIAMS WPTZS-740-UNV OR APPROVED EQUAL	LED	25	120 TO 277	WALL MOUNTED	SMALL WALL PACK LIGHT DIE CAST CONSTRUCTION OPAL POLYCARBONATE LENS 4000'K COLOR TEMPERATURE GREY FINISH
	E	LUMINAIRE LITHONIA LIGHTING CLX-L48-5000LM-SEF-FDL-MVOLT-GZ10-40K-80CRI-WH OR APPROVED EQUAL	LED	36	120 TO 277	SURFACE MOUNTED IN ELEVATOR, ELECTRICAL AND SIGNAL/COMM ROOMS	EQUIPMENT ROOM LIGHTS 4' STRIPLIGHT MEDIUM DIFFUSE LENS 0-10V DRIVER WHITE FINISH

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET




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 Santa Clara, CA 95054 fax (408) 970-9316
 PROJECT NO. 205-18-01 www.aec-engineers.com

DESIGNED: D. Clow CHECKED: K. Ngai
 DRAWN: C. Basuki CADD FILE NAME: 801EP606


Santa Clara Valley Transportation Authority


BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 09/09/17 SCALE: NTS
 SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

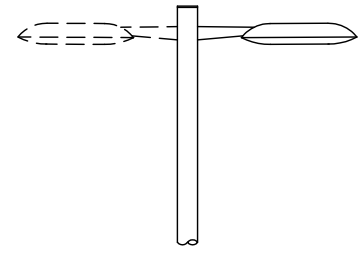
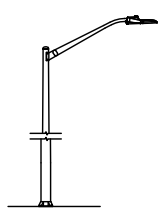
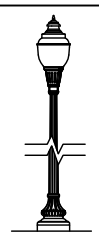
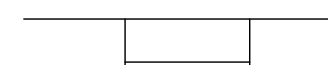
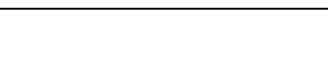
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT

LIGHT FIXTURE SCHEDULE
 (SHEET 1 OF 2)

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

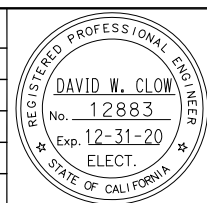
SHEET OF	-
DRAWING NO.	EP606
REVISION	B

LIGHT FIXTURE SCHEDULE

	MARK	MANUFACTURER	FIXTURE	TOTAL WATTS	VOLTS	MOUNTING	DESCRIPTION
	G1	CREE EDGE ARE-EDG-3M-DA-10-E-UL-BZ-525-40K	LED	171	120 TO 277	ON 25' POLE	TRANSIT CENTER LIGHT FIXTURE
	G1A	CREE EDGE ARE-EDG-3M-DA-10-E-UL-BZ-525-40K	LED	2 x 171		ON 25' POLE	SAME AS TYPE "G1" EXCEPT WITH (2) LUMINAIRES PER POLE
	G2	CREE EDGE ARE-EDG-3M-DA-06-E-UL-BZ-525-40K	LED	101	120 TO 277	ON 16' POLE	VTA PLAZA AND WALKWAY ELECTROLIER
	G2A		LED	2 x 101			SAME AS TYPE "G2" EXCEPT WITH (2) LUMINAIRES PER POLE
	G3	CREE EDGE ARE-EDG-3M-DA-16-E-UL-BZ-525-40K	LED	2 x 232	277	ON 40' POLE	(E) TRANSIT CENTER LIGHT FIXTURE
	K1	(E) LUMINAIRE CREE LEDWAY STR-LWY-3M-HT-10-D-UL-SV-525-43K (E) POLE CALTRANS TYPE 15, 12' MAST ARM	LED	163	MT 120/ 240	SEE CSJ STANDARD DETAIL E-11, E-14 AND E-15	CSJ STREETLIGHT TYPE "A" ON 30' POLE WITH 12' MAST ARM, UON. TYPE III LIGHT DISTRIBUTION
	K2	(E) LUMINAIRE LUMEC L80-40W49LED4K (E) POLE UNION METAL P807-20-B79	LED	49	MT 120/ 240	SEE CSJ STANDARD DETAIL E-24	CSJ POST TOP ELECTROLIER ON 13' POLE TYPE III LIGHT DISTRIBUTION
	M	LUMINAIRE CREE LEDWAY STR-LWY-3M-HT-10-D	LED	163	MT 120/ 240	SEE DWG EP709	VTA TAIL TRACK LIGHT FIXTURE. SAME AS TYPE "K1" EXCEPT ON CALTRANS TYPE 15 POLE WITH HEIGHT 25' AND 6' MAST ARM
	L	LUMINAIRE LITHONIA AEL24/MIN10/3500/MVOLT/DP OR APPROVED EQUAL	LED	20	120 TO 277	WALL MOUNT OVER ELEVATOR DOOR @ +7'-9"	ELEVATOR ENTRANCE LIGHT 24" LONG VANDAL RESISTANT 3500° K DIMMING DRIVER BRONZE FINISH
	N1	(E) LUMINAIRE KENALL H99FM-25L40K	LED	25	277	ON UNDERSIDE OF POC/STAIR LANDING	SURFACE LIGHT
	N2	LUMINAIRE LITHONIA LIGHTING OLVTWM	LED	15	277	ON WALL	ELEVATOR PIT LIGHT CAST ALUMINUM HOUSING WIRE GUARD WET LOCATIONS
	O	(E) LUMINAIRE INVUE MLA METROLINE MLA-B1-LED-D1-T2-AP	LED	422	120 TO 277	MOUNTED ON CUSTOM 12'-0" POLE	POC LIGHT FIXTURE CAST ALUMINUM HOUSING TYPE II LIGHT DISTRIBUTION GREY FINISH
	X	EXIT LIGHT LITHONIA LIGHTING - WLTE OR APPROVED EQUAL	LED	4.3	120/277	SURFACE MOUNTED	EXIT LIGHT FIXTURE WEATHERPROOF HOUSING GREEN LETTERS

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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 PROJECT NO. 205-18-01 www.aec-engineers.com

DESIGNED: D. Clow CHECKED: K. Ngai
 DRAWN: C. Basuki CADD FILE NAME: 801EP607



BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 09/09/17 SCALE: NTS
 SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT

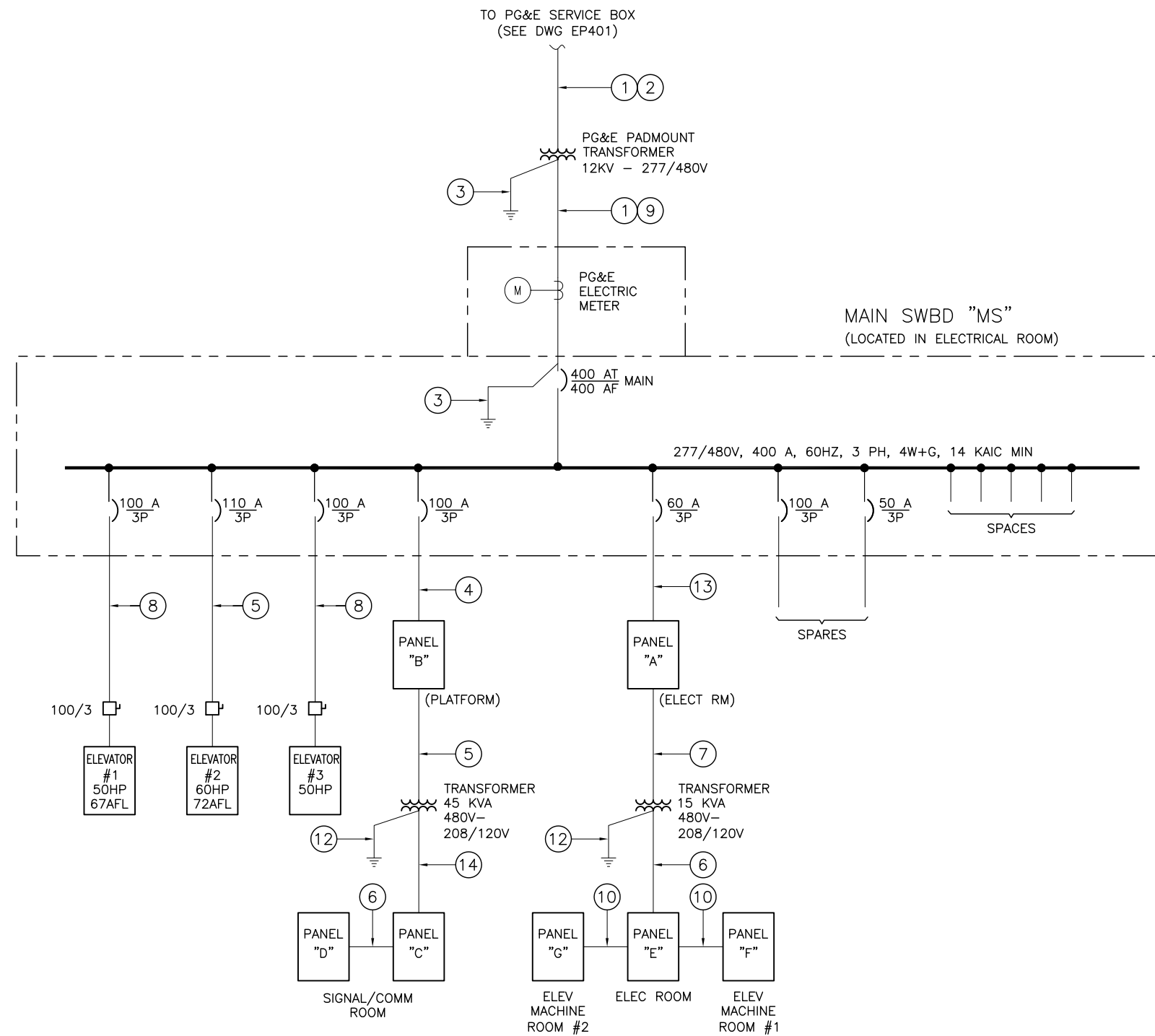
LIGHT FIXTURE SCHEDULE
 (SHEET 2 OF 2)

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET -
OF -
DRAWING NO. EP607
REVISION B

KEY NOTES:

- ① PG&E COORDINATION: SEE NOTE 1 ON DW. EP401.
- ② PROVIDE 4"C, MT (CONDUCTORS BY PG&E)
- ③ PROVIDE 1#1/0 AWG TO GROUNDING ELECTRODE SYSTEM.
- ④ PROVIDE 1 1/2"C, 4#1 AND 1#8 (G)
- ⑤ PROVIDE 1 1/4"C, 3#1 AND 1#8 (G)
- ⑥ PROVIDE 1 1/4"C, 4#4 AND 1#8 (G)
- ⑦ PROVIDE 1"C, 3#10 AND 1#8 (G)
- ⑧ PROVIDE 1 1/2"C, 3#2 AND 1#8 (G)
- ⑨ PROVIDE 5"C, PT (CONDUCTORS BY PG&E)
- ⑩ PROVIDE 1"C, 4#6 AND 1#10 (G)
- ⑪ PROVIDE 2"C, 4#1/0 AND 1#6 (G)
- ⑫ PROVIDE 1/2"C, #6
- ⑬ PROVIDE 1 1/4"C, 4#4 AND 1#10 (G)
- ⑭ PROVIDE 2"C, 4#2/0 AND 1#6 (G)



**CONNECTED LOAD CALCULATION
@ 480 V, 3 ϕ**

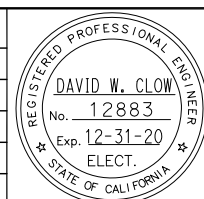
ELEVATOR #1 (50 HP)	= 50 KVA
ELEVATOR #2 (60 HP)	= 60 KVA
ELEVATOR #3 (50 HP)	= 50 KVA
MECH EQUIPMENT	= 7.4 KVA
LIGHTING	= 6 KVA
SIGNALS	= 21.4 KVA
COMM (INCLUDING CCTV)	= 8 KVA
MISCELLANEOUS (FIRE ALARM)	= 5 KVA
SUBTOTAL	= 207.8 KVA
20% SPARE	= 41.6 KVA
TOTAL	= 249.4 KVA

(300 A @ 480 V / 3 ϕ)

1 STORY STATION - SINGLE LINE DIAGRAM
EP701 NTS

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET




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DESIGNED: D. Clow
 CHECKED: K. Ngai
 DRAWN: C. Basuki
 CADD FILE NAME: 801EP701


Santa Clara Valley Transportation Authority


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 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 09/09/17
 SUBMITTAL DATE: 06/29/20
 SCALE: NTS
 BOARD APPROVAL DATE:

**EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT**

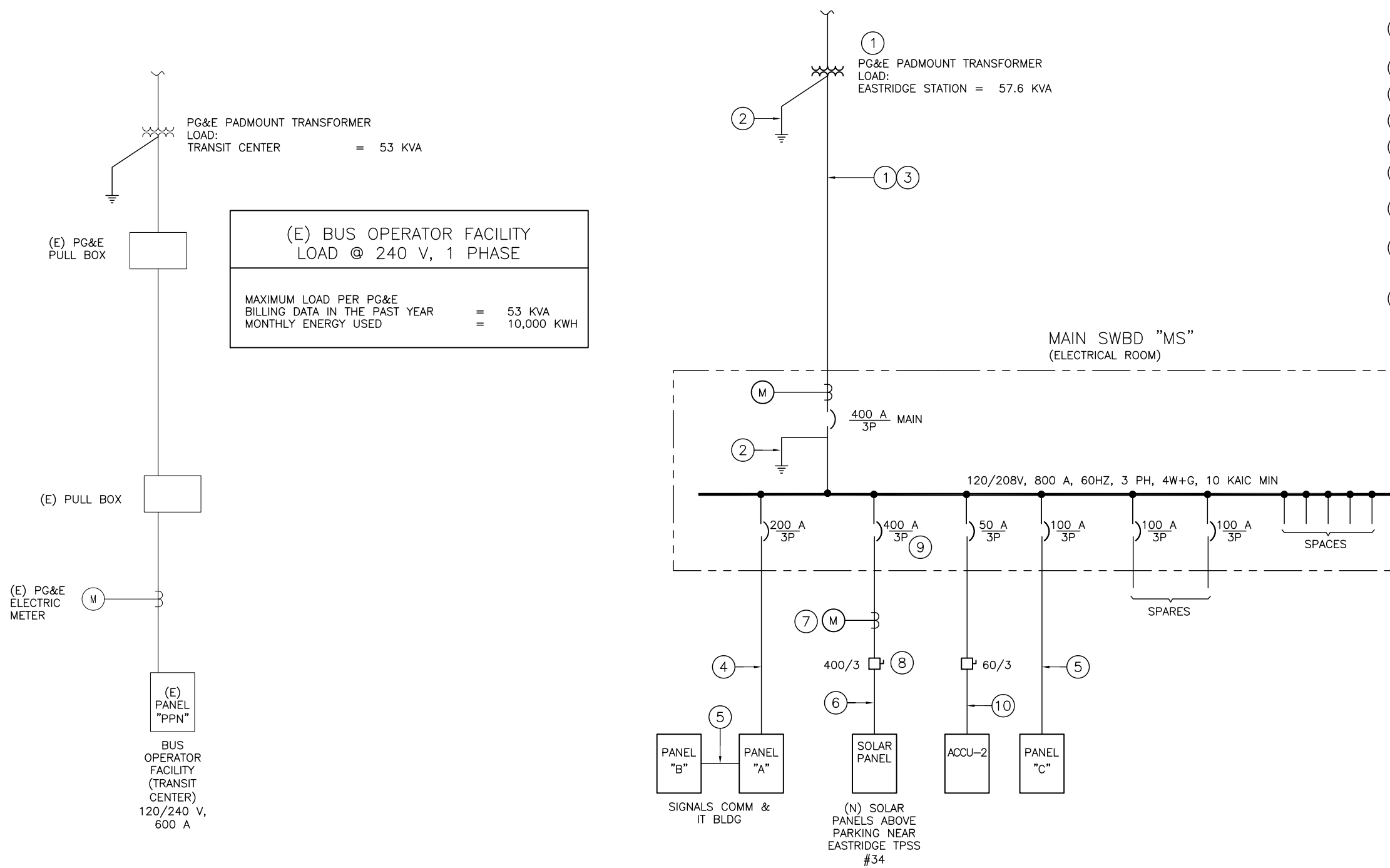
**STORY STATION
SINGLE LINE DIAGRAM**

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET -
OF
DRAWING NO. EP701
REVISION B

SHEET NOTES:

- ① PG&E COORDINATION: SEE NOTE 1 ON DWG EP401.
- ② INSTALL 1#1/0 AWG (G) TO GROUNDING ELECTRODE SYSTEM.
- ③ INSTALL 5"C, (CABLES BY PG&E)
- ④ INSTALL 2 1/2"C, 4#3/0 AND 1#6 (G)
- ⑤ INSTALL 1 1/2"C, 4#2 AND 1#8 (G)
- ⑥ INSTALL 4"C, 3#500KCM AND 1#2 (G)
- ⑦ PROVIDE SOLAR ENERGY METER AND CONNECT THROUGH MODBUS VIA RS485.
- ⑧ PV SYSTEM UTILITY DISCONNECT SWITCH SHALL BE LOCKABLE. PROVIDE LABEL AS NOTED ON DWG ES903.
- ⑨ PROVIDE BREAKER ON LOAD SIDE OF MAIN SERVICE PANEL. THIS BREAKER IS BACK FEED FROM INVERTERS. PROVIDE LABEL AS NOTED ON DWG ES90X.
- ⑩ INSTALL 1 1/4"C, 3#6 AND 1#10 (G)



(E) BUS OPERATOR FACILITY LOAD @ 240 V, 1 PHASE	
MAXIMUM LOAD PER PG&E BILLING DATA IN THE PAST YEAR	= 53 KVA
MONTHLY ENERGY USED	= 10,000 KWH

CONNECTED LOAD CALCULATION @ 208 V, 3 PHASE	
MECH. EQUIPMENT	= 14.5 KVA
LIGHTING	= 5 KVA
SIGNALS	= 15.5 KVA
COMM / IT ROOM (INCLUDING CCTV)	= 13 KVA
SUBTOTAL	= 48.0 KVA
20% SPARE	= 9.6 KVA
TOTAL	= 57.6 KVA

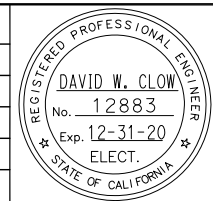
(160 A @ 208 V, 3φ)

② **TRANSIT CENTER**
EP702 (EXISTING TO REMAIN - FOR INFORMATION ONLY)
NTS

① **EASTRIDGE STATION - SINGLE LINE DIAGRAM**
EP702 NTS

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



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DESIGNED: D. Clow CHECKED: K. Ngai
 DRAWN: C. Basuki CADD FILE NAME: 801EP702

**Santa Clara Valley
Transportation
Authority**

**BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS**

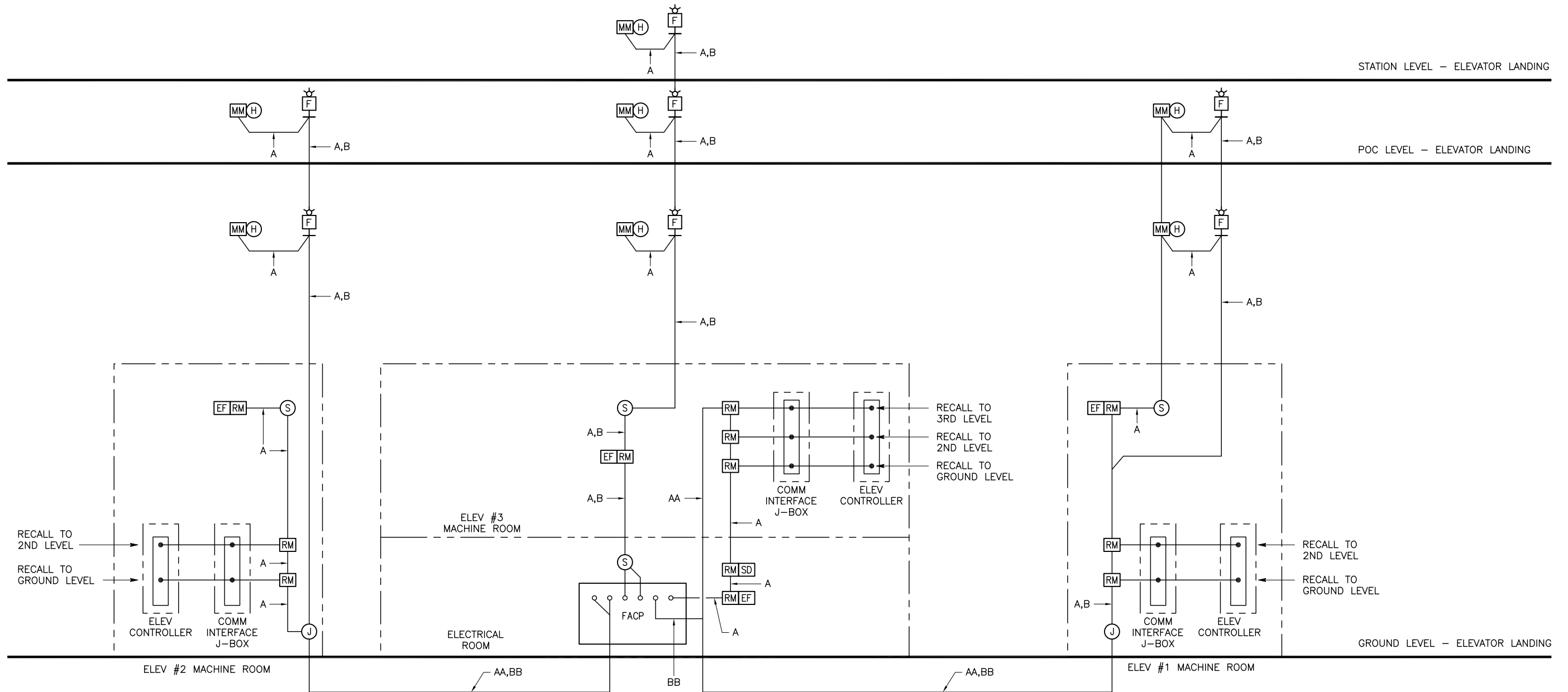
CADD FILE DATE: 09/09/17 SCALE: NTS
 SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT

**EASTRIDGE STATION
SINGLE LINE DIAGRAM**

PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE
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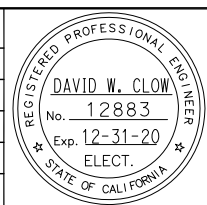
SHEET - OF -
 DRAWING NO. EP702
 REVISION B



1 STORY STATION - FIRE ALARM SYSTEM
EP703 NTS

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



AE Alliance Engineering Consultants, Inc.
 4701 Patrick Henry Drive, Bldg. 10 phone (408) 970-9888
 Santa Clara, CA 95054 fax (408) 970-9316
 PROJECT NO. 205-18-01 www.aec-engineers.com

DESIGNED: D. Clow
 CHECKED: K. Ngai
 DRAWN: C. Basuki
 CADD FILE NAME: 801EP703



BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 09/09/17
 SCALE: NTS
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STORY STATION
 FIRE ALARM SYSTEM
 SHEET 1 OF 3

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION PROJECTWISE

SHEET	-
OF	
DRAWING NO.	EP703
REVISION	B

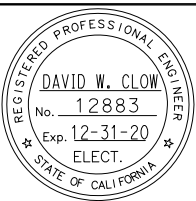
FIRE ALARM SYSTEM
SEQUENCE OF OPERATION

SYSTEM OUTPUTS

SYSTEM INPUTS		SYSTEM OUTPUTS																					
		ELEV #1			ELEV #3			ELEV #2															
		ACTIVATE HORN/STROBE	ACTIVATE GENERAL ALARM SIGNAL AT FACU	ACTIVATE SUPERVISORY ALARM SIGNAL AT FACP	ACTIVATE TROUBLE ALARM SIGNAL AT FACP	ACTIVATE NOTIFICATION ALARM SIGNAL	TRANSMIT FA SIGNAL TO CENTRAL STATION	TRANSMIT SUPERVISORY SIGNAL TO CENTRAL STATION	TRANSMIT TROUBLE SIGNAL TO CENTRAL STATION	RECALL ELEV #1 TO PRIMARY RECALL LEVEL - GROUND LEVEL	RECALL ELEV #1 TO ALTERNATE RECALL LEVEL - POC LEVEL	ACTIVATE ALERT LAMP INSIDE ELEV #1 CAB	RECALL ELEV #3 TO PRIMARY RECALL FLOOR - GROUND LEVEL	RECALL ELEV #3 TO ALTERNATE RECALL FLOOR - POC LEVEL	ACTIVATE ALERT LAMP INSIDE ELEV #3 CAB	FIRE SMOKE DAMPER CLOSE (ELECT ROOM)	FIRE SMOKE DAMPER CLOSE (ELEV #3 MACHINE ROOM)	EXHAUST FAN OFF (ELECT ROOM)	EXHAUST FAN OFF (ELEV #3 MACHINE ROOM)	RECALL ELEV #2 TO PRIMARY RECALL FLOOR - GROUND LEVEL	RECALL ELEV #2 TO ALTERNATE RECALL FLOOR - POC LEVEL	ACTIVATE ALERT LAMP INSIDE ELEV #2 CAB	
ELEV #1	HEAT DETECTOR - GROUND LEVEL ELEV #1 LANDING	●	●			●	●																
	HEAT DETECTOR - POC LEVEL ELEV #1 LANDING	●	●			●	●			●													
	SMOKE DETECTOR - ELEV #1 MACHINE ROOM	●	●			●	●				●												
	HEAT DETECTOR - ELEV #1 MACHINE ROOM	●	●			●	●																
	ELEV #3	SMOKE DETECTOR - ELECT ROOM	●	●			●	●									●		●				
		HEAT DETECTOR - GROUND LEVEL ELEV #3 LANDING	●	●			●	●						●									
		HEAT DETECTOR - POC LEVEL ELEV #3 LANDING	●	●			●	●						●									
		HEAT DETECTOR - STATION LEVEL ELEV #3 LANDING	●	●			●	●						●									
		SMOKE DETECTOR - ELEV #3 MACHINE ROOM	●	●			●	●							●		●		●				
		HEAT DETECTOR - ELEV #3 MACHINE ROOM	●	●			●	●															
CELLULAR FA COMMUNICATOR LOW BATTERY					●				●														
CELLULAR FA COMMUNICATOR TROUBLE					●				●														
LOW BATTERY					●						●												
OPEN CIRCUIT/SHORT CIRCUIT					●						●												
GROUND FAULT					●						●												
ELEV #2	HEAT DETECTOR - GROUND LEVEL ELEV #2 LANDING	●	●			●	●													●			
	HEAT DETECTOR - POC LEVEL ELEV #2 LANDING	●	●			●	●													●			
	SMOKE DETECTOR - ELEV #2 MACHINE ROOM	●	●			●	●														●		
	HEAT DETECTOR - ELEV #2 MACHINE ROOM	●	●			●	●																

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



AE Alliance Engineering Consultants, Inc.
 4701 Patrick Henry Drive, Bldg. 10 phone (408) 970-9888
 Santa Clara, CA 95054 fax (408) 970-9316
 PROJECT NO. 205-18-01 www.aec-engineers.com

DESIGNED: D. Clow CHECKED: K. Ngai
 DRAWN: C. Basuki CADD FILE NAME: 801EP704



BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 09/09/17 SCALE: NTS
 SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STORY STATION
 FIRE ALARM SYSTEM
 SHEET 2 OF 3

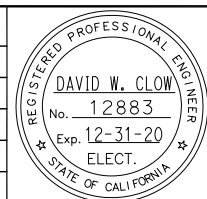
PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET	-
OF	
DRAWING NO.	EP704
REVISION	B

SYMBOLS	MANUFACTURER	MODEL	DESCRIPTION
□	GAMEWELL	GW7075	FIRE ALARM CONTROL PANEL
	OR APPROVED EQUAL	CELL-MOD	CELLULAR MODULE
		HPF2458	FIRE ALARM POWER SUPPLY
Ⓢ Ⓜ	THERMOTECH	H302-ET-194	HEAT DETECTORS AT LANDINGS WITH WIRE GUARD. MOUNT ON CAST SIGNLE GANG BOX WITH T&B LC-11 COVER. "S" IF PRESENT INDICATES SPRINKLER NEAR THAT LOCATION
	OR APPROVED EQUAL		
Ⓜ Ⓜ Ⓜ Ⓜ Ⓜ	GAMEWELL OR APPROVED EQUAL	ATD-RL2F	135°/LOW TEMPERATURE HEAT DETECTOR
		B210LP	BASE, DETECTOR, ADDRESSABLE
		ASD-PL2F	SMOKE DETECTOR HEAD, PHOTOELECTRIC, ANALOG
		AMM-2F	MONITOR MODULE
		AOM-2RF	ADDRESSABLE RELAY MODULE
Ⓜ	APOLLO OR APPROVED EQUAL	SSU-RIC-1	STANDARD RELAY
Ⓜ			FLOW SWITCH
Ⓜ			TAMPER SWITCH
Ⓜ			FIRE SMOKE DAMPER
Ⓜ			SPRINKLER ALARM BELL
Ⓜ	SYSTEM SENSOR OR APPROVED EQUAL	PR2K	HORN/STROBE
EF			EXHAUST FAN
A	WEST PENN OR APPROVED EQUAL	D990	INITIATING DEVICES CABLE 1 PR 16 AWG TWISTED PAIR TYPE FPL
AA		AQ225	HORN/STROBE 2#14 SOLID
B		994S	EXTERIOR HORN/STROBE
BB		AQ226	EXTERIOR INITIATING DEVICE

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
AEC Alliance Engineering Consultants, Inc.
 4701 Patrick Henry Drive, Bldg. 10 phone (408) 970-9888
 Santa Clara, CA 95054 fax (408) 970-9316
 PROJECT NO. 205-18-01 www.aec-engineers.com

DESIGNED: D. Clow CHECKED: K. Ngai
 DRAWN: C. Basuki CADD FILE NAME: 801EP705



APPROVED
BKF100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 09/09/17 SCALE: NTS
 SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STORY STATION
 FIRE ALARM SYSTEM
 SHEET 3 OF 3

SHEET OF
 DRAWING NO. EP705
 REVISION B

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

LOCATION: SIGNAL/COMM RM (STORY STATION)			PANEL "A" NORMAL			MOUNTING: SURFACE							
CKT NO	TRIP AMP	POLES	DESCRIPTION	COL #1 VOL-AMPS			COL #2 VOL-AMPS			DESCRIPTION	POLES	TRIP AMP	CKT NO
				A	B	C	A	B	C				
1	20	1	LIGHTING POC ENTRANCE	300			430			LTG - PLATFORM	1	20	2
3	20	1	LTG ELECTRICAL RM		300			300		LTG - SHELTER	1	20	4
5	20	1	SPARE						200	LTG - HANDRAIL	1	20	6
7	20	1	SPARE							SPARE	1	20	8
9	20	1	SPARE							SPARE	1	20	10
11			SPACE							SPARE	1	20	12
13			SPACE							SPARE	1	20	14
15			SPACE							SPARE	1	20	16
17			SPACE						2,000	EM LIGHTING INVERTER			18
19			SPACE				5,000			TRANSFORMER (15 KVA)	3	25	20
21			SPACE					5,000					22
23			SPACE						5,000				24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
SUBTOTAL				300	300	-	5,430	5,300	7,200	SUBTOTAL			

VOLTAGE: 277/480V,3P,4W
MAINS: 60A CB; BUS: 100A
MIN IC: 14,000A

TOTAL 3 PHASE CONNECTED 18.5 KVA 2.3 AMPS

LOCATION: SIGNAL/COMM RM (STORY STATION)			PANEL "B" NORMAL			MOUNTING: SURFACE							
CKT NO	TRIP AMP	POLES	DESCRIPTION	COL #1 VOL-AMPS			COL #2 VOL-AMPS			DESCRIPTION	POLES	TRIP AMP	CKT NO
				A	B	C	A	B	C				
1	70	3	TRANSFORMER	15,000						SPARE	1	20	2
3					15,000					SPARE	1	20	4
5						15,000				SPARE	1	20	6
7			SPACE							SPACE			8
9			SPACE							SPACE			10
11			SPACE							SPACE			12
13			SPACE							SPACE			14
15			SPACE							SPACE			16
17			SPACE							SPACE			18
19			SPACE							SPACE			20
21			SPACE							SPACE			22
23			SPACE							SPACE			24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
SUBTOTAL				15,000	15,000	15,000	-	-	-	SUBTOTAL			

VOLTAGE: 277/480V,3P,4W
MAINS: 100A CB; BUS: 100 A
MIN IC: 14,000A

TOTAL 3 PHASE CONNECTED 45 KVA 54.2 AMPS

LOCATION: SIGNAL/COMM RM (STORY STATION)			PANEL "C" NORMAL			MOUNTING: SURFACE							
CKT NO	TRIP AMP	POLES	DESCRIPTION	COL #1 VOL-AMPS			COL #2 VOL-AMPS			DESCRIPTION	POLES	TRIP AMP	CKT NO
				A	B	C	A	B	C				
1	20	1	LTG	216			360			RCPT - SIGNAL RM	1	20	2
3	20	1	RCPT - SIGNAL RM		360			360		RCPT - SIGNAL RM	1	20	4
5	20	1	SPARE					100		SF-1	1	20	6
7	20	1	SPARE				2,000			ACCU-1	2	25	8
9	20	1	SPARE					2,000					10
11	20	1	SPARE						100	FCU-1	1	20	12
13	20	1	SPARE							SPARE	1	20	14
15			SPACE					1,000		COMM POWER STRIP	1	20	16
17			SPACE						1,000	COMM POWER STRIP	1	20	18
19			SPACE				3,000			COMM UPS	2	40	20
21			SPACE					3,000					22
23			SPACE							SPACE			24
25			SPACE							SPACE			26
27			SPACE							SPACE			28
29			SPACE							SPACE			30
31			SPACE							SPACE			32
33			SPACE					2,000		BATTERY CHARGER (SIG)	1	30	34
35			SPACE						2,000	MISC (SIG)	1	30	36
37			SPACE				1,460			PANEL "D"	3	60	38
39			SPACE					1,140					40
41			SPACE						700				42
SUBTOTAL				216	360	-	7,000	7,500	3,900	SUBTOTAL			

VOLTAGE: 120/208V,3P,4W
MAINS: 175A CB; BUS: 225 A
MIN IC: 10,000A

TOTAL 3 PHASE CONNECTED 14.0 KVA 53 AMPS

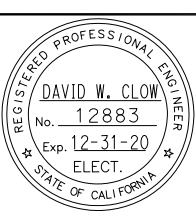
LOCATION: IT RM (STORY STATION)			PANEL "D" NORMAL			MOUNTING: SURFACE							
CKT NO	TRIP AMP	POLES	DESCRIPTION	COL #1 VOL-AMPS			COL #2 VOL-AMPS			DESCRIPTION	POLES	TRIP AMP	CKT NO
				A	B	C	A	B	C				
1	20	1	LTG	300			360			RCPT	1	20	2
3	20	1	SPARE				360			RCPT	1	20	4
5	20	1	SPARE					200		EF-8	1	20	6
7							300			FCU-2	1	20	8
9								180		RCPT GFCI	1	20	10
11									500	POWER STRIP	1	20	12
13							500			POWER STRIP	1	20	14
15								500		POWER STRIP	1	20	16
17										SPARE	1	20	18
19										SPARE	1	20	20
21										SPACE			22
23										SPACE			24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
SUBTOTAL				300	-	-	1,160	1,040	700	SUBTOTAL			

VOLTAGE: 120/208V,3P,4W
MAINS: 60A CB; BUS: 100 A
MIN IC: 10,000A

TOTAL 3 PHASE CONNECTED 3.3 KVA 10.0 AMPS

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED

AE Alliance Engineering Consultants, Inc.
 4701 Patrick Henry Drive, Bldg. 10 Santa Clara, CA 95054
 phone (408) 970-9888 fax (408) 970-9316
 PROJECT NO. 205-18-01 www.aec-engineers.com

DESIGNED: D. Clow CHECKED: K. Ngai
 DRAWN: C. Basuki CADD FILE NAME: 801EP706

Santa Clara Valley Transportation Authority

APPROVED

BKF100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 09/09/17 SCALE: NTS
 SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STORY STATION
 PANEL SCHEDULE
 (SHEET 1 OF 3)

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET - OF -
 DRAWING NO. EP706
 REVISION B

LOCATION: SIG/COMM RM (STORY STATION)													PANEL "E" NORMAL				MOUNTING: SURFACE										
CKT NO	TRIP AMP	POLES	DESCRIPTION	COL #1 VOL-AMPS			COL #2 VOL-AMPS	DESCRIPTION	POLES	TRIP AMP	CKT NO	COL #1 VOL-AMPS			COL #2 VOL-AMPS	DESCRIPTION	POLES	TRIP AMP	CKT NO								
				A	B	C						A	B	C													
1	20	1	RCPT STORAGE RM	360			72												2								
3	20	1	RCPT ELECT RM		360														4								
5	20	1	RCPTTELEV RM			540													6								
7	20	1	EF-7 STORAGE RM	50			400												8								
9	15	1	FIRE ALARM PANEL		300			600											10								
11	20	1	LTG CONT			200													12								
13	20	1	SPARE				200												14								
15	20	1	SPARE																16								
17			SPACE																18								
19			SPACE																20								
21			SPACE																22								
23			SPACE																24								
25	50	3	PANEL "F"	910			1,060												26								
27					600			450											28								
29						360													30								
31																			32								
33																			34								
35																			36								
37																			38								
39																			40								
41																			42								
SUBTOTAL				1,320	1,260	1100	1,732	1,050	1,060	SUBTOTAL				500	200	-	410	400	360	SUBTOTAL							
VOLTAGE: 120/208V,3P,4W				3,052		2,310	2,160	VOLTAGE: 120/208V,3P,4W				910		600	360	VOLTAGE: 120/208V,3P,4W				500		200	-	410	400	360	
MAINS: 50A CB; BUS: 100 A				TOTAL 3 PHASE CONNECTED		7.5	KVA	20.8	MAINS: 50A CB; BUS: 100 A				TOTAL 3 PHASE CONNECTED		1.9	KVA	5.3	MAINS: 50A CB; BUS: 100 A				TOTAL 3 PHASE CONNECTED		1.9	KVA	5.3	AMPS
MIN IC: 10,000A								MIN IC: 10,000A								MIN IC: 10,000A								MIN IC: 10,000A			

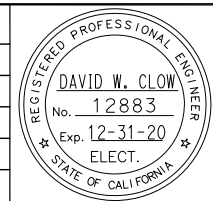
LOCATION: COMM RM #1 (STORY STATION)													PANEL "F" NORMAL				MOUNTING: SURFACE										
CKT NO	TRIP AMP	POLES	DESCRIPTION	COL #1 VOL-AMPS			COL #2 VOL-AMPS	DESCRIPTION	POLES	TRIP AMP	CKT NO	COL #1 VOL-AMPS			COL #2 VOL-AMPS	DESCRIPTION	POLES	TRIP AMP	CKT NO								
				A	B	C						A	B	C													
1	20	1	RCPT & LTG ELEVATOR PIT	500			360												2								
3	20	1	LTG		200			200											4								
5																			6								
7																			8								
9																			10								
11																			12								
13																			14								
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35																			36								
37																			38								
39																			40								
41																			42								
SUBTOTAL				500	200	-	410	400	360	SUBTOTAL				500	200	-	410	400	360	SUBTOTAL							
VOLTAGE: 120/208V,3P,4W				3,052		2,310	2,160	VOLTAGE: 120/208V,3P,4W				910		600	360	VOLTAGE: 120/208V,3P,4W				500		200	-	410	400	360	
MAINS: 50A CB; BUS: 100 A				TOTAL 3 PHASE CONNECTED		7.5	KVA	20.8	MAINS: 50A CB; BUS: 100 A				TOTAL 3 PHASE CONNECTED		1.9	KVA	5.3	MAINS: 50A CB; BUS: 100 A				TOTAL 3 PHASE CONNECTED		1.9	KVA	5.3	AMPS
MIN IC: 10,000A								MIN IC: 10,000A								MIN IC: 10,000A								MIN IC: 10,000A			

LOCATION: COMM RM #2 (STORY STATION)													PANEL "G" NORMAL				MOUNTING: SURFACE										
CKT NO	TRIP AMP	POLES	DESCRIPTION	COL #1 VOL-AMPS			COL #2 VOL-AMPS	DESCRIPTION	POLES	TRIP AMP	CKT NO	COL #1 VOL-AMPS			COL #2 VOL-AMPS	DESCRIPTION	POLES	TRIP AMP	CKT NO								
				A	B	C						A	B	C													
1	20	1	RCPT & LTG ELEVATOR PIT	500			360												2								
3	20	1	LTG		200			200											4								
5	20	1	SPARE					360											6								
7	20	1	SPARE				200												8								
9	20	1	SPARE					50											10								
11	20	1	SPARE																12								
13																			14								
15																			16								
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37																			38								
39																			40								
41																			42								
SUBTOTAL				500	200	-	560	250	360	SUBTOTAL				72	500	-	480	-	-	SUBTOTAL							
VOLTAGE: 120/208V,3P,4W				1,060		450	360	VOLTAGE: 120/208V,3P,4W				552		500	VOLTAGE: 120/208V,3P,4W				72		500	-	480	-	-		
MAINS: 60A CB; BUS: 100 A				TOTAL 3 PHASE CONNECTED		1.9	KVA	5.3	MAINS: 60A CB; BUS: 100 A				TOTAL 3 PHASE CONNECTED		1.1	KVA	4.0	MAINS: 60A CB; BUS: 100 A				TOTAL 3 PHASE CONNECTED		1.1	KVA	4.0	AMPS
MIN IC: 10,000A								MIN IC: 10,000A								MIN IC: 10,000A								MIN IC: 10,000A			

LOCATION: ELEC RM (STORY STATION)													PANEL "EM" NORMAL				MOUNTING: INVERTER										
CKT NO	TRIP AMP	POLES	DESCRIPTION	COL #1 VOL-AMPS			COL #2 VOL-AMPS	DESCRIPTION	POLES	TRIP AMP	CKT NO	COL #1 VOL-AMPS			COL #2 VOL-AMPS	DESCRIPTION	POLES	TRIP AMP	CKT NO								
				A	B	C						A	B	C													
1	20	1	ELEC RM	72			430												2								
3	20	1	HANDRAIL LTG		500														4								
5	20	1	SPARE				50												6								
7	20	1	SPARE																8								
9																			10								
11																			12								
13																			14								
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39																			40								
41																			42								
SUBTOTAL				72	500	-	480	-	-	SUBTOTAL				72	500	-	480	-	-	SUBTOTAL							
VOLTAGE: 277V,1P,3W				1,060		450	360	VOLTAGE: 277V,1P,3W				552		500	VOLTAGE: 277V,1P,3W				72		500	-	480	-	-		
MAINS: 100A CB; BUS: 100 A				TOTAL 3 PHASE CONNECTED		1.9	KVA	5.3	MAINS: 100A CB; BUS: 100 A				TOTAL 3 PHASE CONNECTED		1.1	KVA	4.0	MAINS: 100A CB; BUS: 100 A				TOTAL 3 PHASE CONNECTED		1.1	KVA	4.0	AMPS
MIN IC: 10,000A								MIN IC: 10,000A								MIN IC: 10,000A								MIN IC: 10,000A			

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED: **AE** Alliance Engineering Consultants, Inc.
 4701 Patrick Henry Drive, Bldg. 10 Santa Clara, CA 95054
 phone (408) 970-9888 fax (408) 970-9316
 PROJECT NO: 205-18-01 www.aec-engineers.com

LOCATION: SIGNAL RM (EASTRIDGE STATION)				PANEL "A" NORMAL				MOUNTING: SURFACE				
CKT NO	TRIP AMP	POLES	DESCRIPTION	COL #1 VOL-AMPS			COL #2 VOL-AMPS			POLES	TRIP AMP	CKT NO
				A	B	C	A	B	C			
1	20	1	LTG SIG/COMM RM	300			2,000			1	30	2
3	20	1	SPARE					6,500		1	30	4
5	20	1	SPARE						4,000	1	30	6
7							180			1	20	8
9								50		1	20	10
11									200	1	20	12
13										1	20	14
15										1	20	16
17										1	20	18
19							1,000			1	20	20
21								3,000		2	40	22
23									3,000			24
25												26
27												28
29												30
31							600			3	100	32
33								600				34
35									600			36
37												38
39												40
41												42
SUBTOTAL				300	-	-	3,780	10,150	7,800	SUBTOTAL		

VOLTAGE: 120/208V,3P,4W
MAINS: 200A CB; BUS: 225 A
MIN IC: 10,000A

TOTAL 3 PHASE CONNECTED: 4080 10150 7800
22.1 KVA 61.2 AMPS

LOCATION: IT RM (EASTRIDGE STATION)				PANEL "B" NORMAL				MOUNTING: SURFACE				
CKT NO	TRIP AMP	POLES	DESCRIPTION	COL #1 VOL-AMPS			COL #2 VOL-AMPS			POLES	TRIP AMP	CKT NO
				A	B	C	A	B	C			
1	20	13	LTG IT RM	110			360			1	20	2
3								260		1	20	4
5										1	20	6
7										1	20	8
9										1	20	10
11								1,000		1	20	12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
SUBTOTAL				110	-	-	360	1,260	-	SUBTOTAL		

VOLTAGE: 120/208V,3P,4W
MAINS: 100A CB
MIN IC: 10,000A

TOTAL 3 PHASE CONNECTED: 470 1260 -
1.8 KVA 4.9 AMPS

LOCATION: SIGNAL RM (EASTRIDGE STATION)				PANEL "C" NORMAL				MOUNTING: SURFACE				
CKT NO	TRIP AMP	POLES	DESCRIPTION	COL #1 VOL-AMPS			COL #2 VOL-AMPS			POLES	TRIP AMP	CKT NO
				A	B	C	A	B	C			
1	20	1	LTG ELECT BLDG	50			1,300			1	20	2
3	20	1	LTG SHELTER		300			200		1	20	4
5	20	1	LTG PLATFORM			200		500		1	20	6
7	20	1	LTG TRAIL TRACK	1,300			500			1	20	8
9	20	1	SPARE					500		1	20	10
11	20	1	SPARE							1	20	12
13										1	20	14
15												16
17												18
19												20
21							1,500			2	30	22
23								1,500				24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
SUBTOTAL				1,350	300	200	1,800	2,200	2,000	SUBTOTAL		

VOLTAGE: 120/208V,3P,4W
MAINS: 100A CB; BUS: 100 A
MIN IC: 10,000A

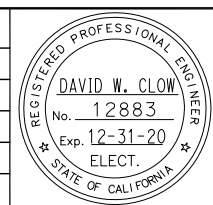
TOTAL 3 PHASE CONNECTED: 3,150 2,500 2,200
7.9 KVA 22.0 AMPS

LOCATION: ELEC RM (EASTRIDGE STATION)				PANEL "EM" INVERTER				MOUNTING: INVERTER				
CKT NO	TRIP AMP	POLES	DESCRIPTION	COL #1 VOL-AMPS		COL #2 VOL-AMPS		POLES	TRIP AMP	CKT NO		
				A	B	A	B					
1	20	1	ELEC RM LTG	300		720			1	20	2	
3	20	1	HANDRAIL LTG		200		580		1	20	4	
5	20	1	SPARE			50			1	20	6	
7	20	1	SPARE						1	20	8	
9												10
11												12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
SUBTOTAL				300	200	770	580	SUBTOTAL				

VOLTAGE: 120/208V,1P,3W
MAINS: 100A CB; BUS: 100 A
MIN IC: 10,000A

TOTAL 1 PHASE CONNECTED: 1,070 780
1.9 KVA 16 AMPS

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



Submitted by: **Alliance Engineering Consultants, Inc.**
4701 Patrick Henry Drive, Bldg. 10 Santa Clara, CA 95054
phone (408) 970-9888 fax (408) 970-9316
PROJECT NO: 205-18-01 www.aec-engineers.com

Designed by: **D. Clow**
Checked by: **K. Ngai**

Drawn by: **C. Basuki**
CADD FILE NAME: **801EP708**



Approved by: **BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS**

CADD FILE DATE: 09/09/17
SUBMITTAL DATE: 06/29/20

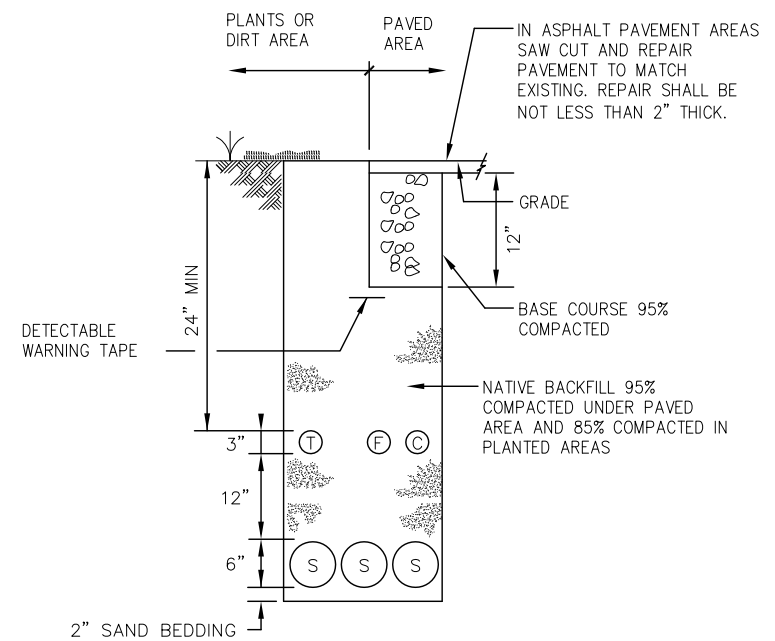
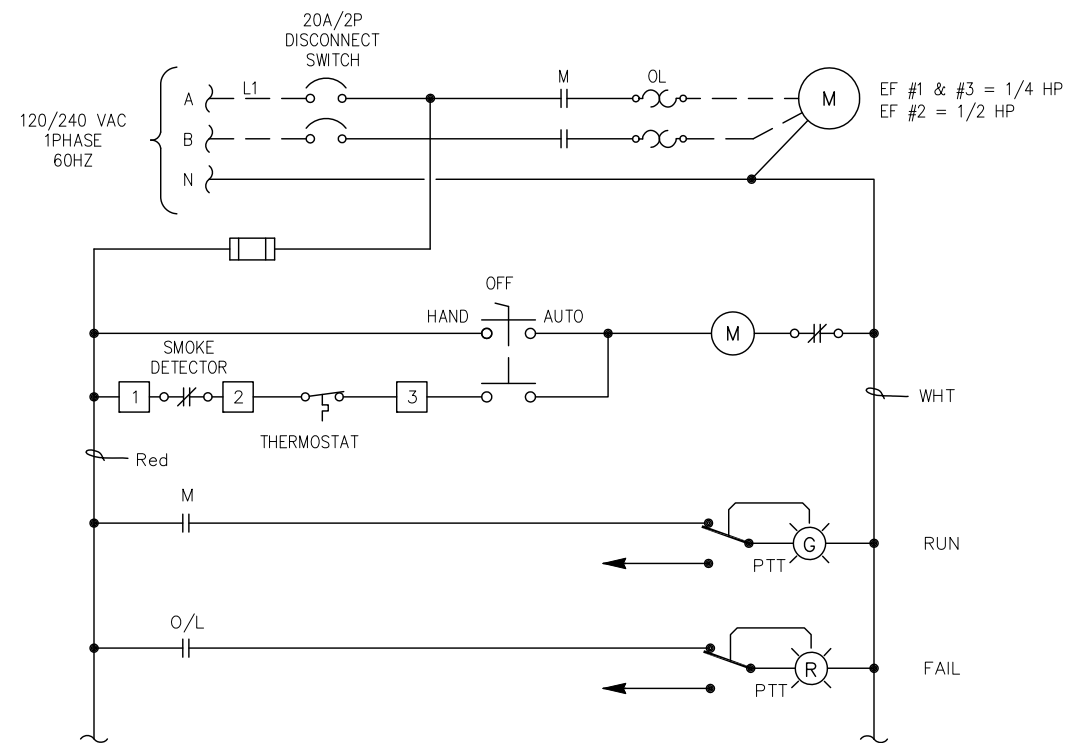
SCALE: NTS
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
EASTRIDGE STATION
PANEL SCHEDULE
(SHEET 3 OF 3)

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF -
DRAWING NO. EP708
REVISION B

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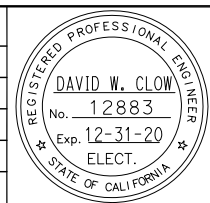


1 EXHAUST FAN STARTER SCHEMATIC
EP709 NTS

2 TRENCH DETAIL (TYP)
EP709 NTS

c:\projects\ep709\ep709.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



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 205-18-01 www.aecengineers.com

DESIGNED: D. Clow
 CHECKED: K. Ngai
 DRAWN: C. Basuki
 CADD FILE NAME: 801EP709



BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 09/09/17
 SCALE: NTS
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT

ELECTRICAL DETAILS

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET	-
OF	
DRAWING NO.	EP709
REVISION	A

PLUMBING LEGEND

GENERAL NOTES

ABBREVIATIONS

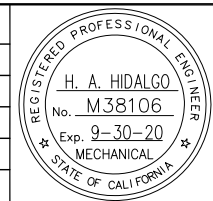
SYMBOL	ABBR.	DESCRIPTION	SYMBOL	DESCRIPTION
	CW	DOMESTIC COLD WATER PIPE		SLOPE
	HW	DOMESTIC HOT WATER PIPE		TRAP PRIMER
	SS OR SD	SANITARY SEWER OR STORM DRAIN PIPE ABOVE FLOOR		UNION
	SS OR SD	SANITARY SEWER OR STORM DRAIN PIPE BELOW FLOOR OR BURIED		CAPPED
	V	VENT PIPE		GATE VALVE
	CD	CONDENSATE DRAIN PIPE		BALL VALVE
	VTR	VENT THRU ROOF		SECTION/DETAIL IDENTIFICATION LETTER
	FD	FLOOR DRAIN		SHEET NUMBER(S) FROM WHICH SECTION/DETAIL IS TAKEN
	WCO	WALL CLEAN OUT		SECTION REFERENCE SYMBOL
	FCO/COTG	FLOOR OR CLEAN OUT TO GRADE		NEW WORK KEYNOTE NUMBER
	CO	CLEAN OUT		PROJECT NORTH
		ELBOW DOWN		PLUMBING EQUIPMENT TAG
		ELBOW UP		SECTION/DETAIL IDENTIFICATION LETTER
		TEE DOWN		SHEET NUMBER(S) FROM WHICH SECTION/DETAIL IS TAKEN
		TEE UP		
	RED	REDUCER		
	POC/POD	POINT OF CONNECTION/POINT OF DEMOLITION		
	HB	HOSE BIBB		
	VTR/ARV	VENT THRU ROOF/AIR RELIEF VALVE		
		ISOLATION/SHUT OFF/VALVE		
		CHECK VALVE / BACKWATER VALVE		
	WHA	WATER HAMMER ARRESTER		
	AD	AREA DRAIN		
	BFP	REDUCED PRESSURE BACKFLOW PREVENTER		

- EXAMINE ALL DRAWINGS & FIELD VERIFY MECHANICAL/ELECTRICAL AND PLUMBING CONDITIONS PRIOR TO WORK & REPORT ANY DISCREPANCIES IN WRITING TO THE VTA.
- THE DRAWINGS ARE DIAGRAMMATIC & SHALL NOT BE SCALED TO DETERMINE EXACT LOCATION OF PLUMBING & EQUIPMENT.
- SEQUENCE WORK TO AVOID CUTTING AND PATCHING. IF NECESSARY, REMOVE & REPAIR WALL, ROOF, AND/OR CEILING FOR ACCESS TO WORK ON THE PLUMBING SYSTEMS (SEE ARCHITECTURAL PLANS & SPECIFICATIONS). PATCH & REPAIR WALL, ROOF, AND/OR CEILING OPENING(S) FINISH TO MATCH ADJACENT SURFACE.
- SECURELY FASTEN ALL PIPING WITHIN STRUCTURES TO THE BUILDING CONSTRUCTION BY MEANS OF HANGERS, SUPPORTS, GUIDES, ANCHORS, AND SWAY BRACES TO MAINTAIN PIPE ALIGNMENT, TO PREVENT SAGGING, AND TO PREVENT NOISE AND EXCESSIVE STRAIN ON PIPING DUE TO MOVEMENT UNDER OPERATING CONDITIONS. SUPPORTS FOR ALL PIPING SHALL BE IN ACCORDANCE WITH LATEST SMACNA GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PIPING SYSTEMS AND MSS SP-58 AND SP-69.
- ALL PIPES AND FITTINGS UTILIZED IN WATER SUPPLY SYSTEMS SHALL ALSO CONFORM TO NSF 61 AS REQUIRED BY CALIFORNIA PLUMBING CODE.
- COORDINATE INSTALLATION OF ALL EQUIPMENT AND PIPING WITH OTHER TRADES PRIOR TO INSTALLATION. ENSURE THAT ALL CONTROL DEVICES, ACCESS PANELS IN FINISHED SPACES, OTHER THAN THAT SHOWN, CONTRACTOR SHALL COORDINATE EXACT LOCATION OF PANELS PRIOR TO INSTALLATION. INSTALL PIPING TO BEST SUIT FIELD CONDITIONS AND COORDINATE WITH OTHER TRADES.
- ADVISE VTA IN WRITING IN THE EVENT A CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND ACTUAL FIELD CONDITIONS. CONTRACTOR SHALL BEAR ALL COSTS FOR RELOCATION OF EQUIPMENT, PIPING, ETC., FROM FAILURE TO PROPERLY COORDINATE INSTALLATIONS AND ADVISE OF THE CONFLICT IN WRITING PRIOR TO INSTALLATION.
- ARRANGE ALL PIPING WITHIN STRUCTURES NEATLY ALONG WALLS AND/OR IN NEAT, HORIZONTAL GROUPS AND MAINTAIN REQUIRED SLOPES.
- DO NOT SLEEVE STRUCTURAL MEMBERS WITHOUT CONSENT OF ENGINEER. REVIEW STRUCTURAL DRAWINGS PRIOR TO PLACING ANY SLEEVES.
- DO NOT SPRING OR FORCE PIPING DURING INSTALLATION.
- WHERE POSSIBLE, INSTALL VALVES ACCESSIBLE FROM FLOOR LEVEL.
- PIPE HANGERS SHALL BE DESIGNED TO SUPPORT THE WEIGHT OF THE PIPE AND THE WEIGHT OF THE CONTENTS OF THE PIPE.
- PROVIDE A HANGER NOT MORE THAN 12" FROM THE POINT OF CHANGE OF DIRECTION OF A PIPE RUN IN BOTH HORIZONTAL AND VERTICAL PLANE.
- CONTRACTOR SHALL REMOVE AND REPLACE WITH NEW AND RECONNECT ALL EXISTING SERVICES AS REQUIRED BY NEW CONSTRUCTION.
- INVERT ELEVATIONS OF UTILITY MAINS SHALL BE VERIFIED AT PROJECT SITE PRIOR TO INSTALLATION OF NEW BRANCH SERVICES.
- INSTALL ALL PIPING CONCEALED IN FURRED CEILING UNLESS OTHERWISE INDICATED.
- CERTAIN VERTICAL AND HORIZONTAL OFFSETS ARE SHOWN IN PIPING ON PLANS TO INDICATE THE GENERAL POSITION RELATIONSHIP OF THE SYSTEMS WITHIN THE FURRED CEILING SPACE. PROVIDE ADDITIONAL OFFSETS SIMILAR TO THOSE SHOWN, AS REQUIRED TO COORDINATE WITH INSTALLATION REQUIREMENTS OF OTHER SYSTEMS.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL PLUMBING FIXTURES, DRAINS, ACCESS PANELS AND RISER SHAFTS.
- SLOPE ALL DRAINAGE PIPING WITHIN THE BUILDING DOWN IN THE DIRECTION OF FLOW A MINIMUM OF 1/4" PER FOOT UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL MAINTAIN RECORDED "AS-BUILT" INFORMATION ON ALL EXISTING SERVICES UNCOVERED DURING CONSTRUCTION AND ANY SERVICES BEING INSTALLED. "AS-BUILT" INFORMATION SHALL BE CLEARLY MARKED IN COLOR PENCIL ON A BLUE PRINT OF CONTRACT DRAWING. RECORDED INFORMATION SHALL INCLUDE ROUTING AND INVERT ELEVATIONS. AT THE COMPLETION OF THE CONTRACT, THE CONTRACTOR SHALL TURN RECORDED "AS-BUILT" INFORMATION OVER TO THE ENGINEER.
- CONNECTION BETWEEN COPPER AND IRON STEEL PIPE SHALL BE MADE WITH DIELECTRIC ISOLATING UNIONS, OR GASKETED FLANGES WITH ISOLATED THROUGH BOLTS.
- ALL PLUMBING SYSTEM SHALL COMPLY TO THE LATEST CALIFORNIA PLUMBING CODE AND ASHRAE 90.1 FOR ENERGY CODE.

⊙	AT
ABA	ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARDS FOR DEPARTMENT OF DEFENSE FACILITIES
ABS	ACRYLONITRILE BUTADIENE STYRENE
AC	ABOVE CEILING
AF	ABOVE FLOOR
AFF	ABOVE FINISHED FLOOR
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS
BF	BELOW FLOOR
BG	BELOW GRADE
BLDG	BUILDING
CD	CONDENSATE DRAIN
CLNG	CEILING
CO	CLEAN OUT
CW	DOMESTIC COLD WATER
'F	DEGREES FAHRENHEIT
∅ / DIA	DIAMETER
DN	DOWN
DWG(S)	DRAWING(S)
EQUIP.	EQUIPMENT
EW	EMERGENCY EYEWASH STATION
FCO	FLOOR CLEANOUT
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FLR	FLOOR
FT	FEET
GAL	GALLON
GH	GROUND HYDRANT
GPM	GALLONS PER MINUTE
HB/HB-WB	HOSE-BIBB/HOSE BIBB-WALL BOX
HW	DOMESTIC HOT WATER
IN	INCH
INV	INVERT
IW	INDUSTRIAL WASTE
CPC	CALIFORNIA PLUMBING CODE
IPS	IRON PIPE SIZE
MAX	MAXIMUM
MIN	MINIMUM
MS	MOP SINK
MSS	MANUFACTURERS STANDARD SOCIETY
MSS SP-58	PIPE HANGERS AND SUPPORTS - MATERIALS DESIGN AND MANUFACTURE
MSS SP-69	PIPE HANGERS AND SUPPORTS - SELECTION AND APPLICATION
NA	NOT APPLICABLE
NPT	NATIONAL PIPE THREAD
NSF	NATIONAL SANITATION FOUNDATION
NSF 61	NATIONAL SANITATION FOUNDATION - DRINKING WATER SYSTEM COMPONENTS - HEALTH EFFECTS
OFD	OVERFLOW DRAIN
PSIG	POUNDS PER SQUARE INCH, GAGE
QTY	QUANTITY
SD	STORM DRAIN
SMACNA	SHEET METAL AND AIR-CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
SS	SERVICE SINK/SANITARY SEWER/ STAINLESS STEEL
TEMP	TEMPERATURE
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
VTR	VENT THROUGH ROOF
WCO	WALL CLEANOUT
WF	WATER FILTER
W.G.	WATER GAUGE
WHA	WATER HAMMER ARRESTOR
WHY	WALL HYDRANT

Rose Jun 23, 2020 - 10:58am F:\Projects\2017\1712-PM-BKF VTA\PM EXPORTS\0622\801MP001.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED	
DESIGNED	CHECKED
H. HIDALGO	P. MALLILLIN
DRAWN	CADD FILE NAME
R. HEYER	801MP001.DWG



APPROVED	
CADD FILE DATE	SCALE
12/04/18	NTS
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT PLUMBING GENERAL NOTES, LEGEND AND ABBREVIATIONS		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE
SHEET	OF	DRAWING NO.
		MP001
		REVISION
		C

DOMESTIC WATER HEATER SCHEDULE (ELECTRIC & GAS)

EQUIP I.D.	BUILDING / AREA SERVED	GAS BTUH INPUT	ELECTRIC ELEM. WATTAGE UPPER / LOWER	RECOVERY RATE @ 90°F RISE		CAPACITY BTUH INPUT MBH	STORAGE CAPACITY GALLON	WATER TEMP.		ELECTRICAL CHARACTERISTICS		OPERATING WEIGHT LBS	REMARKS	MANUFACTURER/MODEL OR EQUAL
				GPH				IN °F	OUT °F	FULL LOAD AMPERES	VOLT-PH-HZ			
WH-1	STORY STATION - PLATFORM LEVEL / MAINT CLO	NA	- / 1500	6		-	15	50	140	4.20	208-1-60	183	SEE NOTES BELOW	AO SMITH MODEL DEL-15

NOTES:

- HOT WATER HEATER SHALL BE INDOOR UNIT COMMERCIAL ELECTRIC TANK-TYPE, NON-SIMULTANEOUS OPERATION.
- PROVIDE SEISMIC SUPPORT, NON-FUSIBLE DISCONNECT SWITCH, HIGH LIMIT WATER TEMPERATURE CONTROL, FACTORY INSTALLED TEMPERATURE/PRESSURE RELIEF VALVE @ 160 F/80 PSIG, OVER TEMPERATURE PROTECTOR AND SURFACE MOUNTED THERMOSTAT.
- PROVIDE 5 GAL. THERMAL EXPANSION TANK ON EACH WATER HEATING SYSTEM.

PLUMBING FIXTURE SCHEDULE

EQUIP I.D.	FIXTURE	ROUGH IN CONNECTION				REMARKS
		W	V	CW	HW	
MS-1	MOP SINK	3"	2"	3/4"	3/4"	36"x36"x8" DEEP (BOWL SIZE) 16 GAGE TYPE 304 STAINLESS STEEL MOP SINK GRIFFIN PRODUCTS INC MODEL UM-299 OR EQUAL WITH STAINLESS STEEL DRAIN STRAINER, 3" OUTLET, STAINLESS STEEL WALL GUARDS (BACK AND SIDE), AND SINK FAUCET AMERICAN STANDARD MODEL 8344.112 WITH VACUUM BREAKER, PAIL HOOK AND ADJUSTABLE WALL BRACE.
EW-1	EMERGENCY EYE AND FACE WASH	1 1/2"	1 1/2"	1/2"	1/2"	BARRIER FREE, WALL MOUNTED EYE/FACE WASH WITH ORANGE ABS PLASTIC BOWL AND WALL BRACKET, 1/2" U.S. MADE CHROME PLATED BRASS STAY OPEN BALL VALVE, POWDER COATED CAST ALUMINUM FLAG HANDLE. UNIT SHALL HAVE (4) POLYPROPYLENE 'GS PLUS' SPRAY HEADS WITH INTEGRAL "FLIP-TOP" DUST COVERS, FILTERS, AND 1.8-GPM FLOW CONTROL ORIFICES MOUNTED ON A CHROME PLATED BRASS EYEWASH ASSEMBLY. UNIT SHALL INCLUDE ANSI COMPLIANT. FIXTURE SHALL BE GUARDIAN EQUIPMENT G1724P OR EQUAL. PROVIDE THERMOSTATIC MIXING VALVE TO DELIVER 75°F (ADJUSTABLE) TEPID WATER WITH ISOLATION BALL VALVES ON THE INLETS AND OUTLET. GUARDIAN MODEL G3600LF OR EQUAL.
AD-1	AREA DRAIN	4" IW	-	-	-	12" SQUARE TOP DRAIN, DURA-COATED CAST IRON BODY, BOTTOM OUTLET 4"Ø, SEEPAGE PAN, COMBINATION MEMBRANE FLASHING CLAMP AND FRAME FOR CAST IRON LOOSE SLOTTED GRATE WITH SUSPENDED SEDIMENT BUCKET AND VANDAL-PROOF SECURED TOP, ZURN MODEL Z610-VP OR EQUAL.
AD-2	AREA DRAIN	3" SD	-	-	-	9" SQUARE TOP DRAIN, DURA-COATED CAST IRON BODY, BOTTOM OUTLET 4"Ø, SEEPAGE PAN, HEAVY DUTY CAST IRON ANTI-TILT SLOTTED GRATE WITH SEDIMENT BUCKET AND COMBINATION MEMBRANE FLASHING CLAMP AND FRAME, STAINLESS STEEL MESH LINER FOR BUCKET, AND VANDAL-PROOF SECURED TOP, ZURN MODEL Z609-Y-SS-VP OR EQUAL.

MISCELLANEOUS PLUMBING EQUIPMENT SCHEDULE

EQUIP I.D.	DESCRIPTION	REMARKS
TP-1	TRAP PRIMER	TRAP PRIMER DISTRIBUTION UNIT SHALL BE PRECISION PLUMBING PRODUCTS, INC. MODEL P2/P1-500-DU-U OR ZURN MODEL SANI-GUARD Z1022-DU2 OR EQUAL.
WHY-1	WALL HYDRANT	ZURN MODEL Z1350-VB OR EQUAL, NARROW WALL HYDRANT - BRONZE BODY AND INTERIOR PARTS, REPLACEABLE SEAT WASHER, SCREWDRIVER-OPERATED STOP VALVE IN SUPPLY, KEY-OPERATED CONTROL VALVE, STAINLESS STEEL BOX AND HINGED COVER, 3/4" MALE HOSE CONNECTION, AND 3/4" ADAPTER VACUUM BREAKER. PROVIDE CAT 74 LOCK ON WALL HYDRANT DOOR.
HB-1	HOSE BIBB	EXPOSED, WALL HOSE BIBB ZURN MODEL 1341 OR EQUAL COMPLETE WITH EXTERNAL VACUUM BREAKER, VANDAL-RESISTANT OPERATING STEM, AND 3/4"Ø MALE HOSE CONNECTION.
GH-1	GROUND HYDRANT	ZURN MODEL Z1375-DP14-VB-NB OR EQUAL, ENCASED GROUND HYDRANT FLUSHED TO FINISHED FLOOR - BRONZE BODY AND INTERIOR PARTS, REPLACEABLE SEAT AND SEAT WASHER, NON-TURNING WITH FREE-FLOATING COMPRESSION CLOSURE VALVE, KEY-OPERATED CONTROL VALVE, POLISHED NICKEL BRONZE FINISH BOX AND HEAVY DUTY HINGED COVER, 3/4" MALE HOSE CONNECTION AND ADAPTER VACUUM BREAKER. CONNECT 1/4" COPPER TYPE L DRAIN PIPING TO 1" COPPER TYPE L MAIN DRAIN.
RD-1	ROOF DRAIN	8" DIAMETER ROOF DRAIN, DURA-COATED CAST IRON BODY WITH COMBINATION FLASHING CLAMP, LOW SILHOUETTE CAST IRON DOME, UNDERDECK CLAMP, AND ROOF SUMP RECEIVER, ZURN MODEL Z-125-DP OR EQUAL.
RD-2	ROOF DRAIN	SCUPPER DRAIN WITH TYPE 304 STAINLESS STEEL BODY AND CAST ALUMINUM OBLIQUE GRATE AND TWO PIECE CLAMP COLLAR, ZURN MODEL Z-1717-VB OR EQUAL. PROVIDE VANDAL-PROOF SECURED TOP.
OFD-1	ROOF OVERFLOW DRAIN	8" DIAMETER ROOF DRAIN, DURA-COATED CAST IRON BODY WITH COMBINATION FLASHING CLAMP, LOW SILHOUETTE CAST IRON DOME WITH 2" HIGH EXTERNAL WATER DAM, UNDERDECK CLAMP, AND ROOF SUMP RECEIVER, ZURN MODEL Z-125-89-DP OR EQUAL.
DS-1	DOWNSPOUT NOZZLE	ALL ALUMINUM BODY, DOWNSPOUT GASKET FOR CAST IRON INLET WITH POWDER COATED FACE OF WALL FLANGE, OUTLET NOZLE, AND PERFORATED HINGED FLAPPER, ZURN MODEL ZF199-DSG OR EQUAL.
FCO	FLOOR CLEANOUT	ADJUSTABLE FLOOR CLEANOUT, DURA-COATED CAST IRON WITH GAS AND WATERTIGHT GASKETED BRONZE PLUG AND SCORIATED CAST IRON EXTRA-HEAVY-DUTY SECURED TOP COVER ADJUSTABLE TO FINISHED FLOOR, ZURN MODEL ZN1400-HD-BP-SG OR EQUAL.
WCO	WALL CLEANOUT	DURA-COATED CAST IRON BODY WITH GAS AND WATERTIGHT BRONZE TAPER PLUG, ROUND STAINLESS STEEL COVER, AND VANDAL-PROOF SCREW, ZURN MODEL Z-1441- BP-VP OR EQUAL.
COTG	CLEANOUT TO GRADE	ADJUSTABLE CLEANOUT TO GRADE, DURA-COATED CAST IRON WITH GAS AND WATERTIGHT GASKETED BRONZE PLUG AND SCORIATED CAST IRON EXTRA-HEAVY-DUTY SECURED TOP COVER AND ENGRAVED WITH "SEWER" OR "STORM" OR "INDUSTRIAL WASTE" WHICHEVER IS APPLICABLE ADJUSTABLE TO FINISHED FLOOR, ZURN MODEL ZN1400-HD-SM-BP-SG OR EQUAL.

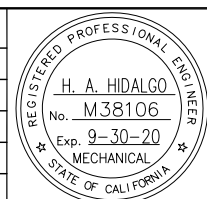
BACKFLOW PREVENTER SCHEDULE

EQUIP I.D.	LOCATION	SIZE	SERVICE	TYPE	REMARKS	MANUFACTURER/MODEL OR EQUAL
		IN				
BFP-1	STORY STATION - GROUND FLOOR	1 1/2"	DOMESTIC COLD WATER	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER ASSEMBLY	SEE NOTE BELOW	ZURN WILKINS MODEL 375XL-AG OR EQUAL
BFP-2	EASTRIDGE STATION - PLATFORM LEVEL	1	DOMESTIC COLD WATER	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER ASSEMBLY	SEE NOTE BELOW	ZURN WILKINS MODEL 375XL-AG OR EQUAL

NOTE:
1. PROVIDE DRAIN PIPING AND AIR GAP FITTING.

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED	
DESIGNED	CHECKED
H. HIDALGO	P. MALLILLIN
DRAWN	CADD FILE NAME
R. HEYER	801MP002.DWG

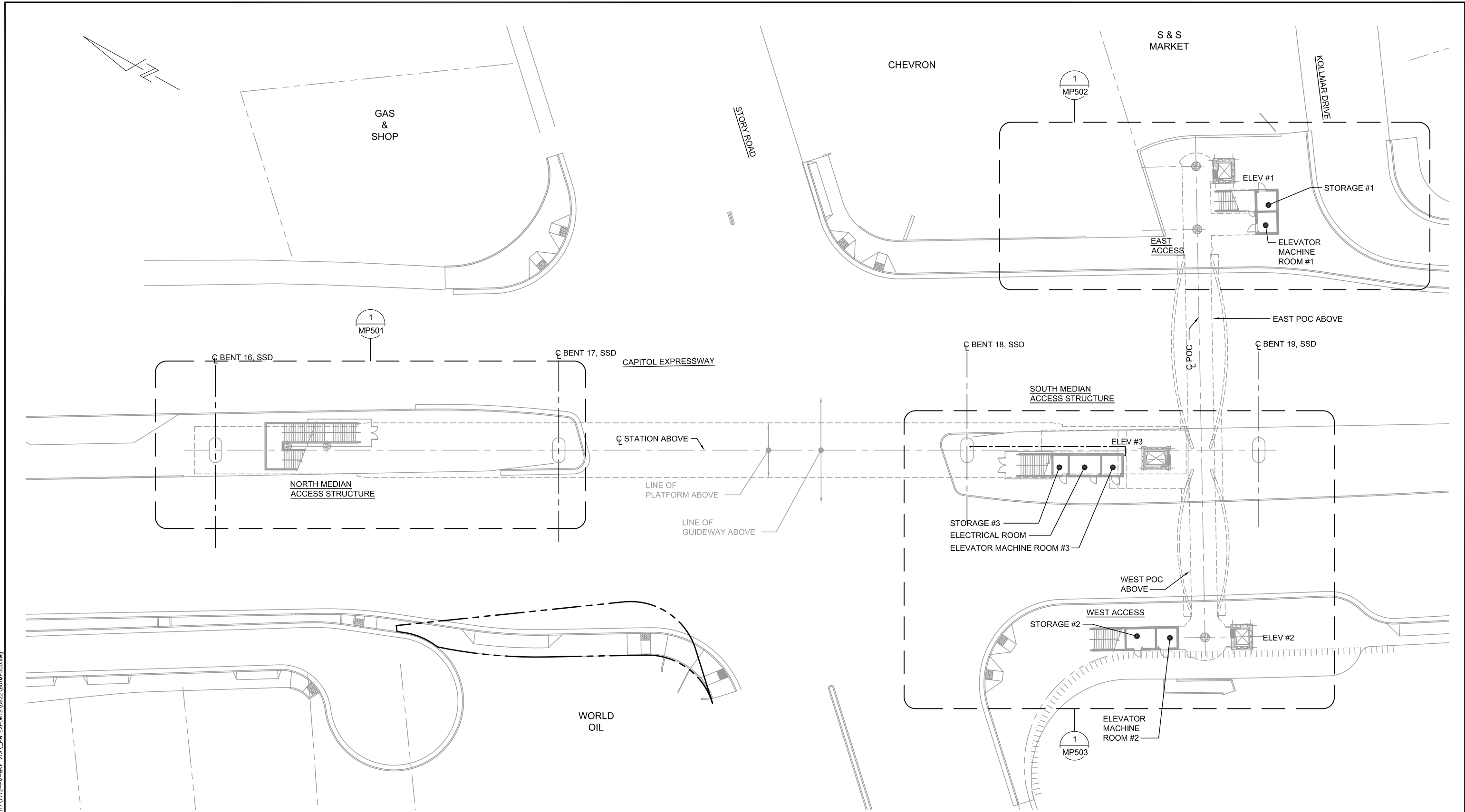


APPROVED	
CADD FILE DATE	SCALE
05/15/20	NTS
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

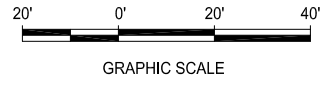
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT PLUMBING EQUIPMENT SCHEDULES		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET
OF
DRAWING NO.
MP002
REVISION
C

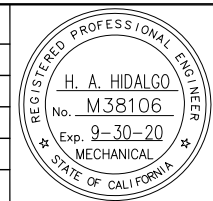
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1 PLUMBING - STORY STATION GROUND FLOOR KEY PLAN
 MP500 SCALE 1"=20'-0"



NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



DESIGNED H. HIDALGO		CHECKED P. MALLILLIN	
DRAWN R. HEYER		CADD FILE NAME 801MP500.DWG	

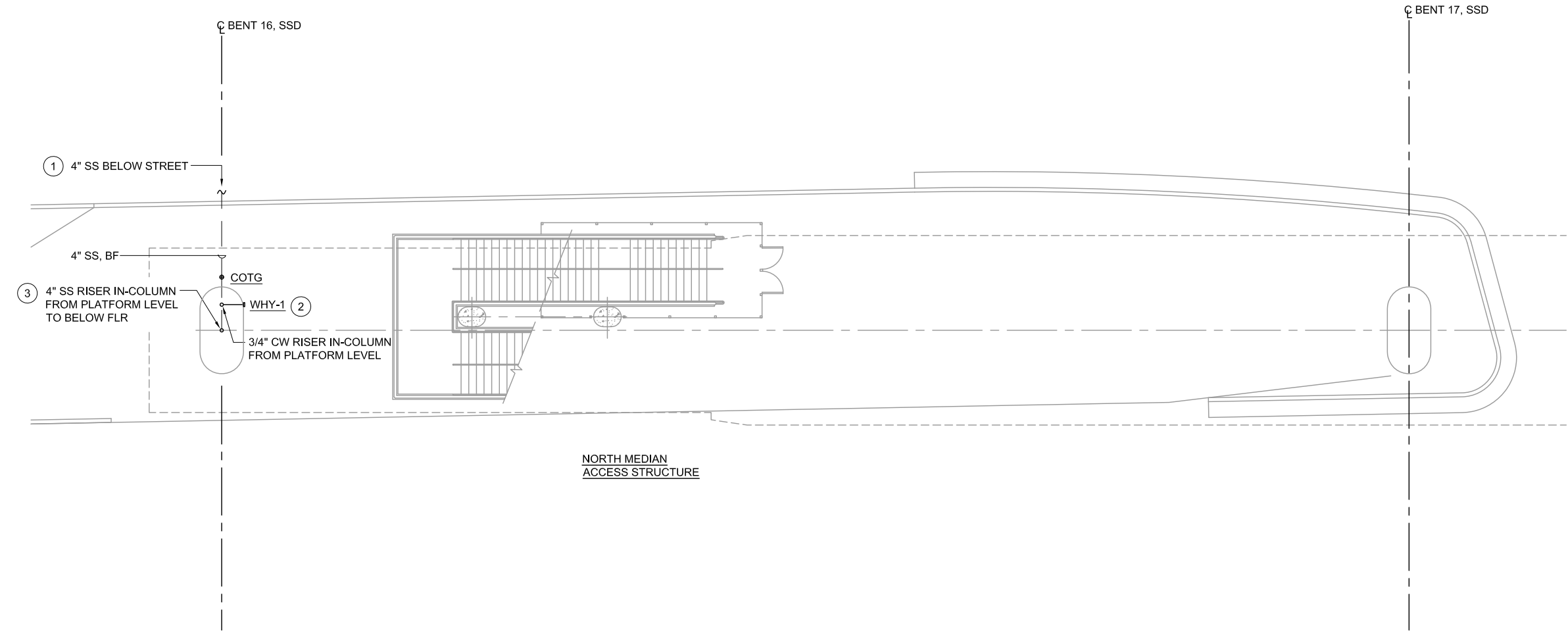


APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 12/04/18	SCALE 1" = 20'-0"
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

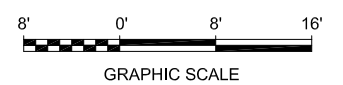
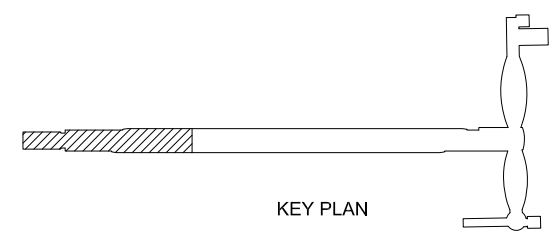
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT PLUMBING - STORY STATION GROUND FLOOR KEY PLAN			SHEET OF DRAWING NO. MP500 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

KEY NOTE:

- ① REFER TO CIVIL DRAWINGS FOR PIPING CONTINUATION.
- ② INSTALL WHY-1 AT 2'-0" C.L. ABOVE FINISHED FLOOR.
- ③ REFER TO STRUCTURAL DRAWINGS FOR EXACT LOCATION AND DETAILS OF PLUMBING PIPING IN CONCRETE COLUMN.

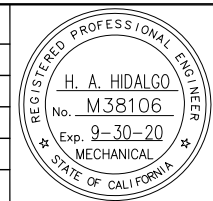


1 PLUMBING GROUND FLOOR PLAN
SCALE 1/8"=1'-0"



Res: Jun 23, 2020 - 10:59am F:\Projects\2017\1712-PM-BKF VTA\PM EXPORTS\0622\801MP501.dwg

NO.	DATE	REVISIONS
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B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET

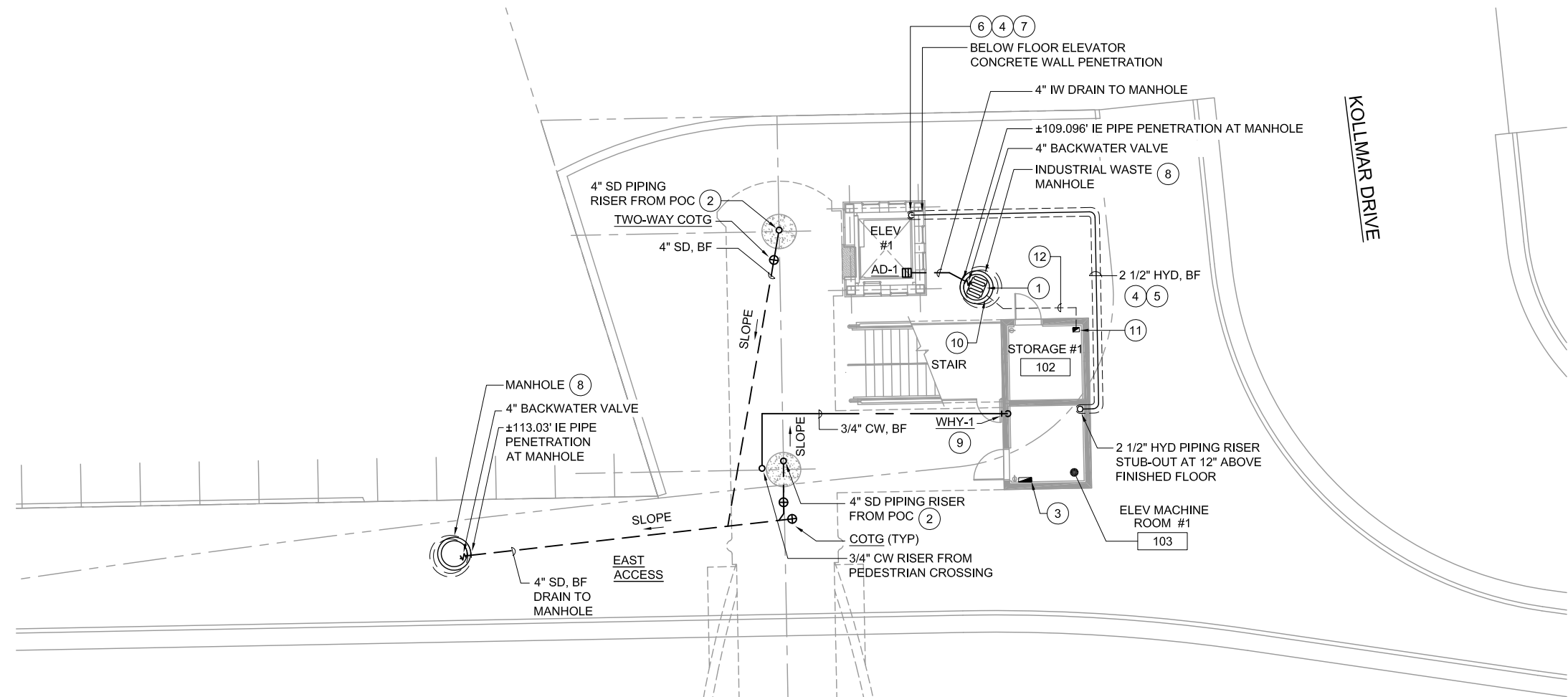
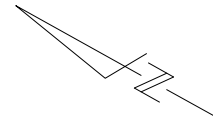


DESIGNED H. HIDALGO		CHECKED P. MALLILLIN	
DRAWN R. HEYER		CADD FILE NAME 801MP501.DWG	



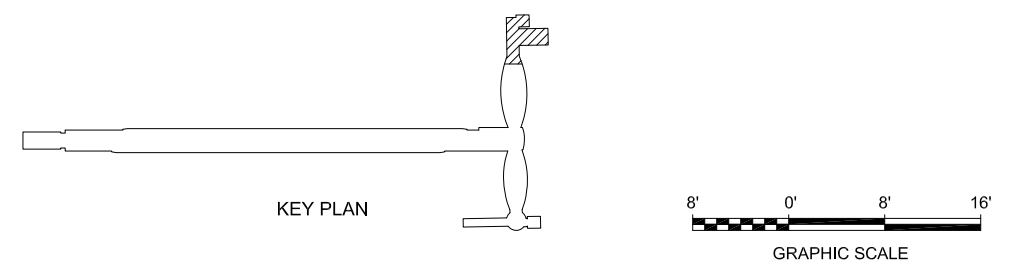
APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 12/04/18	SCALE 1/8" = 1'-0"
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT PLUMBING - STORY STATION GROUND FLOOR SHEET 1 OF 3			SHEET OF DRAWING NO. MP501 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	



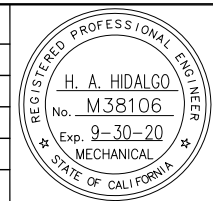
- KEY NOTES:**
- 1 PROVIDE HYDRAULIC OIL ABSORBENT SOCKS WITH DURABLE METAL CONNECTOR HARDWARE AND 1/2" POLYPROPYLENE ROPE AT THE BOTTOM OF PRECAST MANHOLE. QUANTITIES OF OIL ABSORBENT SOCKS SHALL BE ABLE TO ABSORB APPROXIMATELY 160 GALLONS OF HYDRAULIC OIL. ANCHOR ROPE TO BOTTOM OF MANHOLE COVER FOR EASY PULL ACCESS DURING REPLACEMENT.
 - 2 REFER TO STRUCTURAL DRAWINGS FOR PIPING INSIDE THE STRUCTURAL CONCRETE COLUMN AND FOOTING DETAILS.
 - 3 HYDRAULIC PIPING LEAK DETECTION CONTROLLER WITH ALARM SYSTEM (CENTRA-GUARD OR APPROVED EQUAL) AND INTERFACE ALARM TO SCADA - VTA OPERATION CONTROL CENTER.
 - 4 PROVIDE 6" PVC SCHEDULE 40 DOUBLE-CONTAINMENT OUTER PIPE SERVING 2 1/2" HYDRAULIC PIPING COMPLETE WITH INTERSTITIAL SUPPORTING DEVICES AND ASSOCIATED APPURTENANCES (CUSTOM-GUARD OR APPROVED EQUAL).
 - 5 SLOPE DOUBLE-CONTAINMENT PIPING TOWARDS THE ELEVATOR AT 1/4" PER FOOT.
 - 6 2 1/2" HYD PIPING STUB-OUT AT 12" ABOVE ELEVATOR PIT FLOOR.
 - 7 PROVIDE ELEVATOR HYDRAULIC OIL LEAK DETECTION SENSOR (CNETRA-GUARD OR APPROVED EQUAL) AT END OF DOUBLE-CONTAINMENT HYDRAULIC PIPING.
 - 8 REFER TO CIVIL DRAWINGS FOR MANHOLE TYPE, SIZE, DETAILS, AND EXACT LOCATION.
 - 9 INSTALL WHY-1 AT 2'-0" C.L. ABOVE FINISHED FLOOR.
 - 10 TETHERED WATER FLOW SWITCH (WEIL MODEL 8234 ISR FLOAT SWITCH) AT 4" ABOVE PRECAST CONCRETE MANHOLE FLOOR COMPLETE WITH CONTROL WIRING, STEEL CONDUIT AND SUPPORTS. CONNECT TO HIGH WATER REMOTE ALARM PANEL INSIDE THE STORAGE 1 #102.
 - 11 115V TYPE 1 HIGH WATER REMOTE ALARM PANEL (WEIL MODEL 8341) COMPLETE WITH ENCLOSURE PANEL AND INTERFACE TO BUILDING ENERGY MANAGEMENT AND CONTROL SYSTEM FOR ALARM SIGNAL.
 - 12 BELOW FLOOR CONTROL WIRING INSIDE GALVANIZED STEEL CONDUIT FROM WATER FLOW SWITCH TO HIGH WATER REMOTE ALARM PANEL.

1 PLUMBING GROUND FLOOR PLAN
MP502 SCALE 1/8"=1'-0"



Revis: Jun 23, 2020 - 11:00am F:\V_P\Projects\2017\1712-FM-BKF VTA\PW EXPORTS\0622\801MP502.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



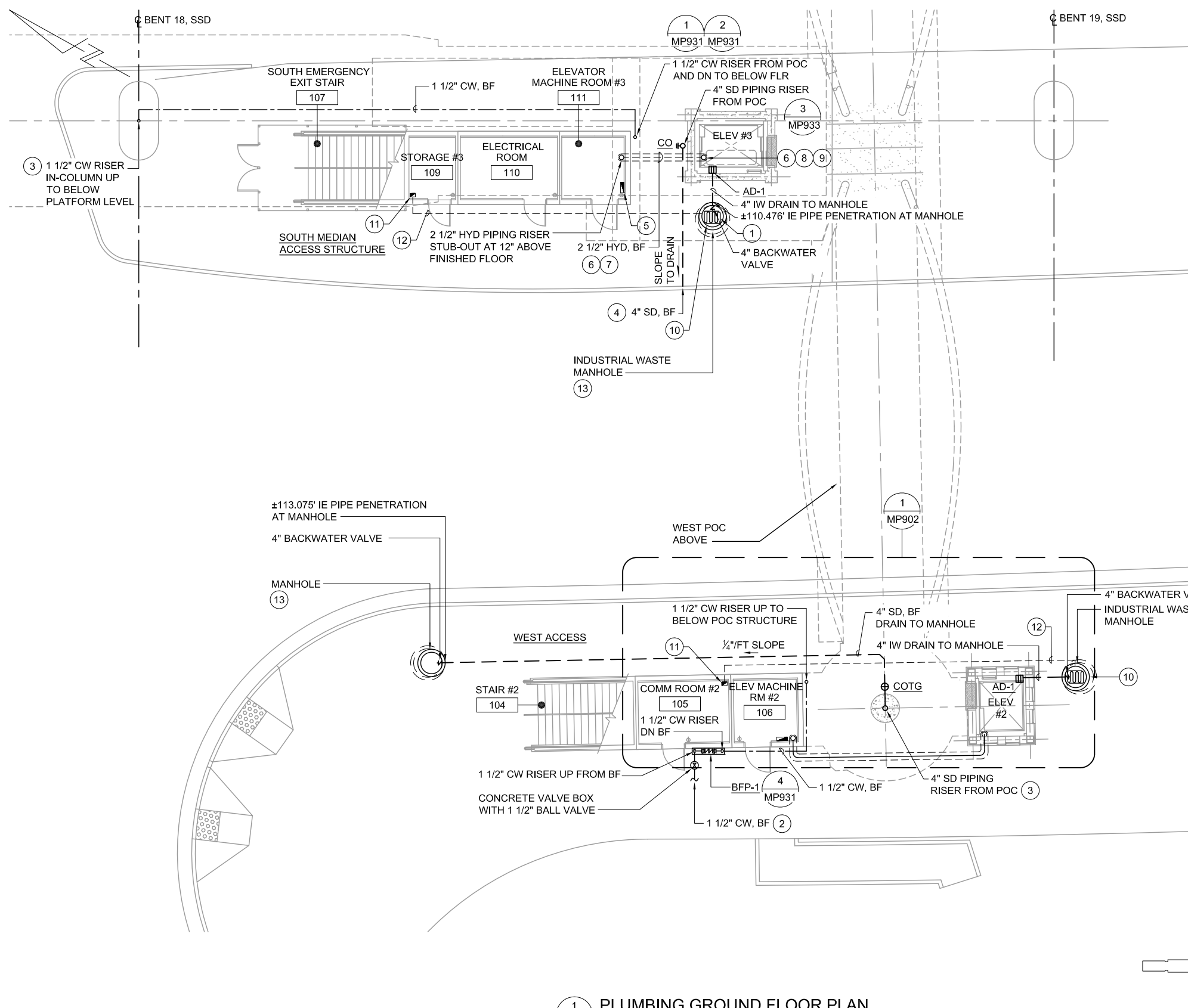
DESIGNED H. HIDALGO		CHECKED P. MALLILLIN	
DRAWN R. HEYER		CADD FILE NAME 801MP502.DWG	



APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 01/07/19	SCALE 1/8" = 1'-0"
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

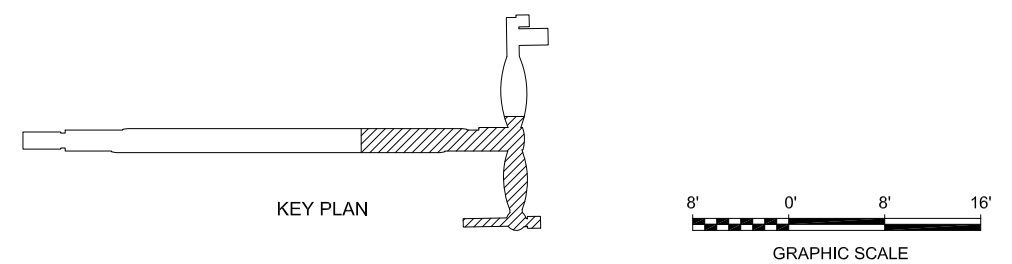
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT PLUMBING - STORY STATION GROUND FLOOR SHEET 2 OF 3		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. MP502
REVISION	C



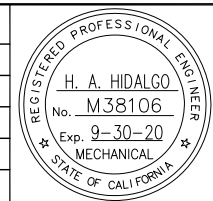
- KEY NOTES:**
- 1 PROVIDE HYDRAULIC OIL ABSORBENT SOCKS WITH DURABLE METAL CONNECTOR HARDWARE AND 1/2" POLYPROPYLENE ROPE AT THE BOTTOM OF PRECAST MANHOLE. QUANTITIES OF OIL ABSORBENT SOCKS SHALL BE ABLE TO ABSORB APPROXIMATELY 160 GALLONS OF HYDRAULIC OIL. ANCHOR ROPE TO BOTTOM OF MANHOLE COVER FOR EASY PULL ACCESS DURING REPLACEMENT.
 - 2 REFER TO CIVIL DRAWINGS FOR DETAILS.
 - 3 REFER TO STRUCTURAL DRAWINGS FOR PIPING INSIDE THE STRUCTURAL CONCRETE COLUMN AND FOOTING DETAILS.
 - 4 4" SD PIPING DAYLIGHT AT CONCRETE CURB. REFER TO CIVIL DRAWINGS FOR CURB DRAIN DETAIL.
 - 5 HYDRAULIC PIPING LEAK DETECTION CONTROLLER WITH ALARM SYSTEM (CENTRA-GUARD OR APPROVED EQUAL) AND INTERFACE ALARM TO SCADA - VTA OPERATION CONTROL CENTER.
 - 6 PROVIDE 6" PVC SCHEDULE 40 DOUBLE-CONTAINMENT OUTER PIPE SERVING 2 1/2" HYDRAULIC PIPING COMPLETE WITH INTERSTITIAL SUPPORTING DEVICES AND ASSOCIATED APPURTENANCES (CUSTOM-GUARD OR APPROVED EQUAL).
 - 7 SLOPE DOUBLE-CONTAINMENT PIPING TOWARDS THE ELEVATOR AT 1/4" PER FOOT.
 - 8 2 1/2" HYD PIPING STUB-OUT AT 12" ABOVE ELEVATOR PIT FLOOR.
 - 9 PROVIDE ELEVATOR HYDRAULIC OIL LEAK DETECTION SENSOR (CNETRA-GUARD OR APPROVED EQUAL) AT END OF DOUBLE-CONTAINMENT HYDRAULIC PIPING.
 - 10 TETHERED WATER FLOW SWITCH (WEIL MODEL 8234 ISR FLOAT SWITCH) AT 4" ABOVE PRECAST CONCRETE MANHOLE FLOOR COMPLETE WITH CONTROL WIRING, STEEL CONDUIT AND SUPPORTS. CONNECT TO HIGH WATER REMOTE ALARM PANEL INSIDE THE STORAGE 1 #102.
 - 11 115V TYPE 1 HIGH WATER REMOTE ALARM PANEL (WEIL MODEL 8341) COMPLETE WITH ENCLOSURE PANEL AND INTERFACE TO BUILDING ENERGY MANAGEMENT AND CONTROL SYSTEM FOR ALARM SIGNAL.
 - 12 BELOW FLOOR CONTROL WIRING INSIDE GALVANIZED STEEL CONDUIT FROM WATER FLOW SWITCH TO HIGH WATER REMOTE ALARM PANEL.
 - 13 REFER TO CIVIL DRAWINGS FOR MANHOLE TYPE, SIZE, DETAILS, AND EXACT LOCATION.

1 PLUMBING GROUND FLOOR PLAN
 MP503 SCALE 1/8"=1'-0"



Revis: Jun 23, 2020 - 11:00am F:\V_P\Projects\2017\1712-PM-BKF_VTA\PW_EXPORTS\0623\01MP503.dwg

NO.	DATE	REVISIONS
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B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



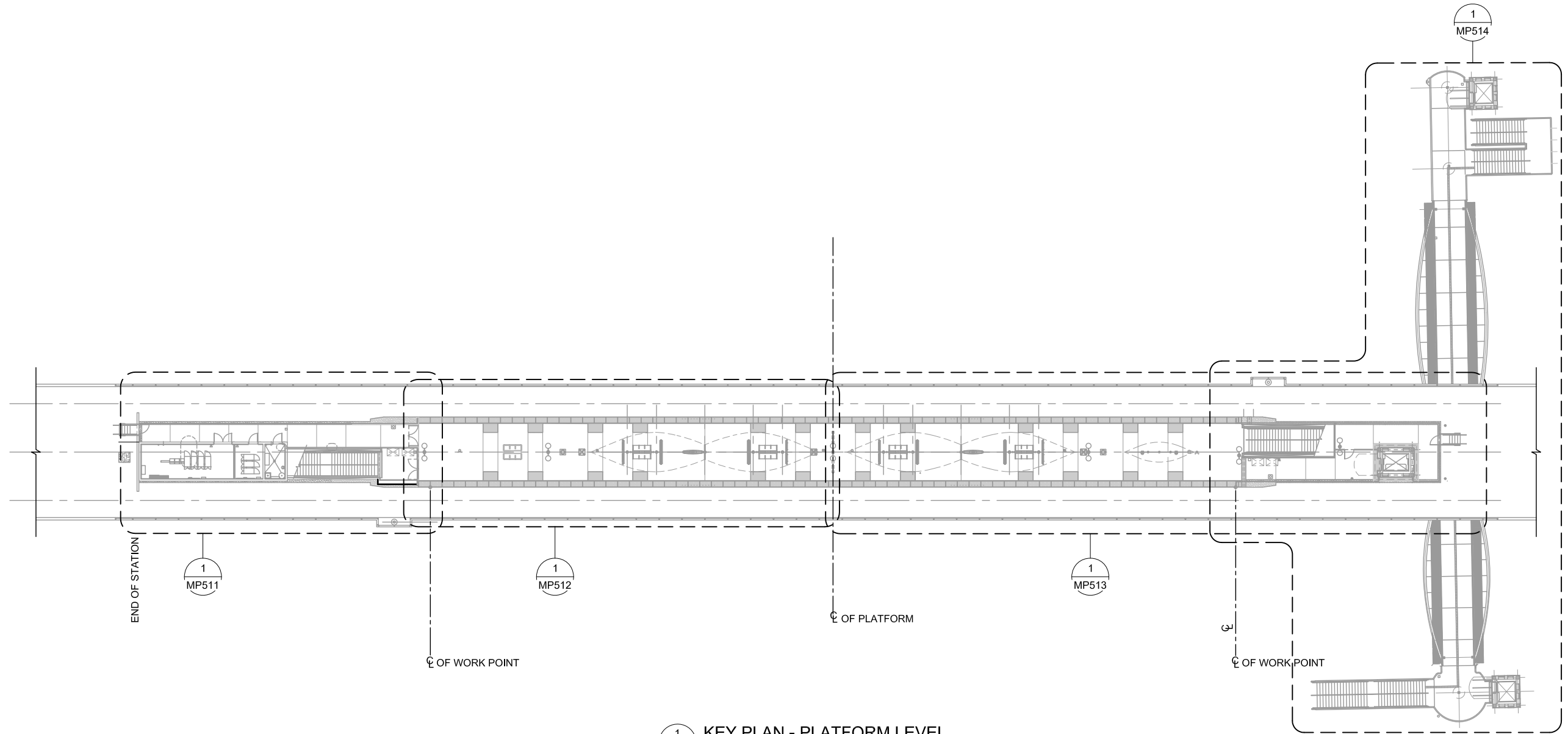
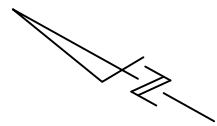
DESIGNED H. HIDALGO		CHECKED P. MALLILLIN	
DRAWN R. HEYER		CADD FILE NAME 801MP503.DWG	



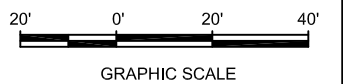
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CADD FILE DATE 12/06/18	SCALE 1/8" = 1'-0"
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT PLUMBING - STORY STATION GROUND FLOOR SHEET 3 OF 3		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. MP503
REVISION	C

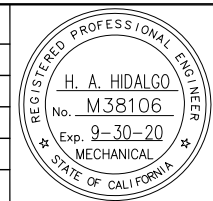


1 KEY PLAN - PLATFORM LEVEL
 MP510 SCALE 1"=20'-0"



Revis: Jun 23, 2020 - 11:00am F:\V_P\Projects\2017\1712-PM-BKF VTA\PW EXPORTS\0622\01MP510.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED	
YEI ENGINEERS	
DESIGNED	CHECKED
H. HIDALGO	P. MALLILIN
DRAWN	CADD FILE NAME
R. HEYER	801MP510.DWG



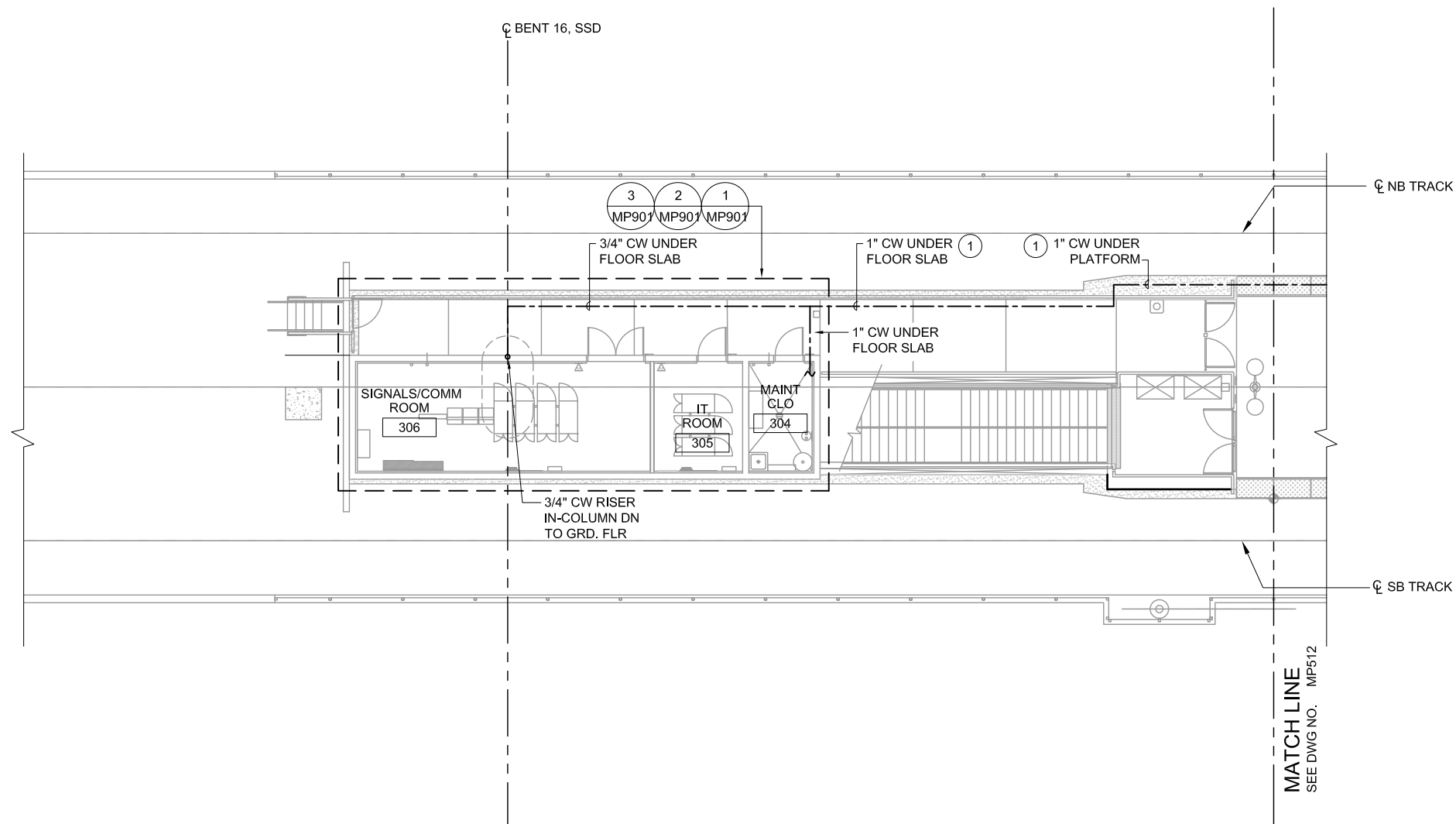
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11/05/18	1"=20'-0"
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT PLUMBING - STORY STATION AERIAL CENTER PLATFORM KEY PLAN - PLATFORM LEVEL		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET
OF
DRAWING NO.
MP510
REVISION
C

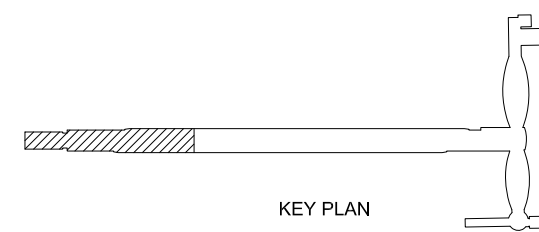
KEY NOTE:

- ① SUPPORT CW PIPING FROM PLATFORM STRUCTURE SOFFIT PER 3/MP931 DETAIL.

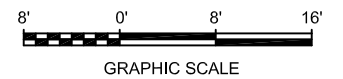


① **PLATFORM PLAN 1**
MP511 SCALE 1/8"=1'-0"

MATCH LINE
SEE DWG NO. MP512



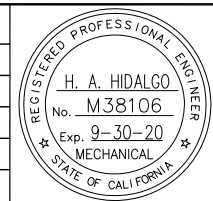
KEY PLAN



GRAPHIC SCALE

Revised: Jun 23, 2020 - 11:00am F:\V_P\Projects\2017\1712-FM-BKF_VTA\FW_EXPORTS\0622_801MP511.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



DESIGNED H. HIDALGO		CHECKED P. MALLILLIN	
DRAWN R. HEYER		CADD FILE NAME 801MP511.DWG	



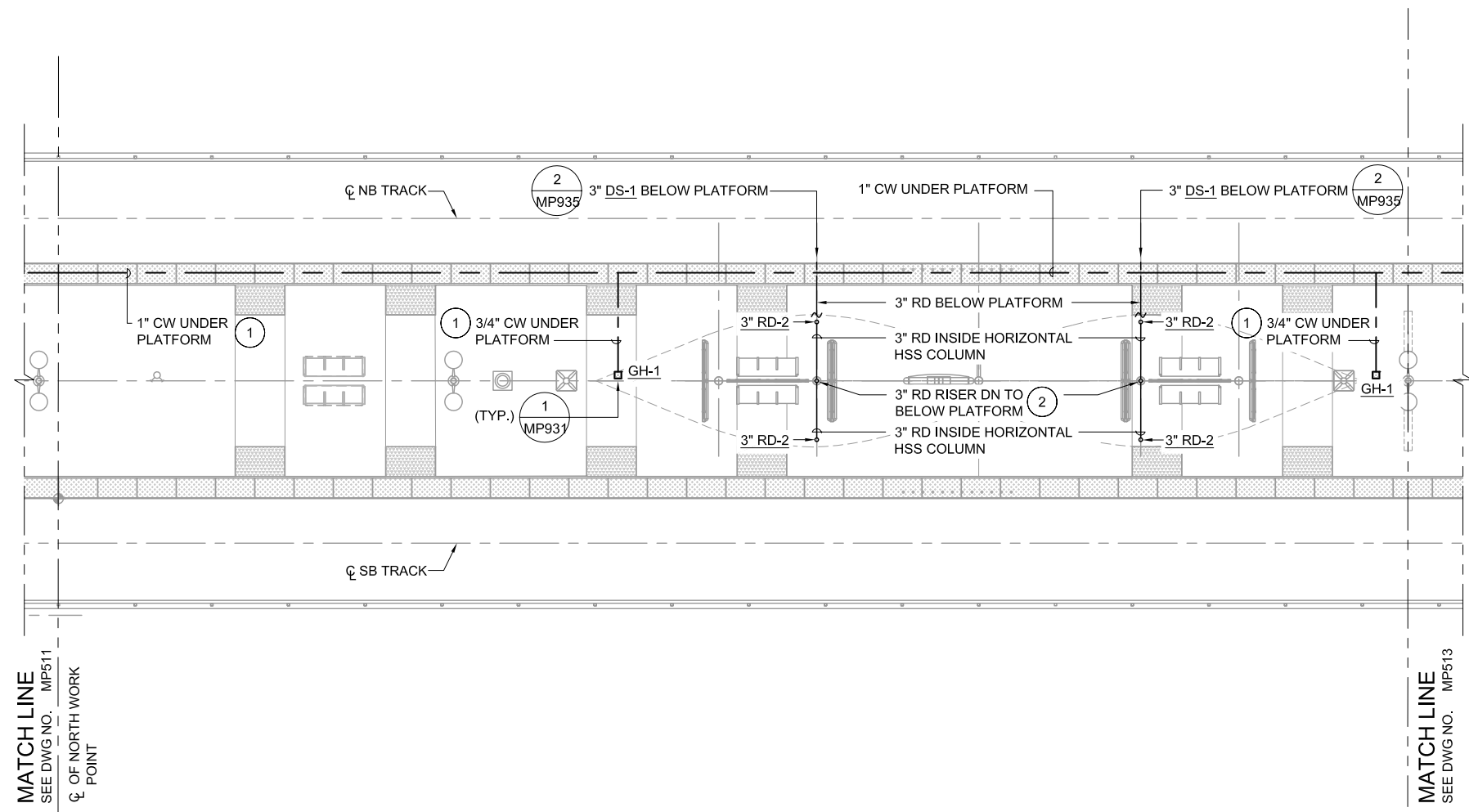
APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 11/05/18	SCALE 1/8"=1'-0"
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT PLUMBING - STORY STATION AERIAL CENTER PLATFORM PLATFORM PLAN 1		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. MP511
REVISION	C

KEY NOTES:

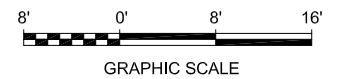
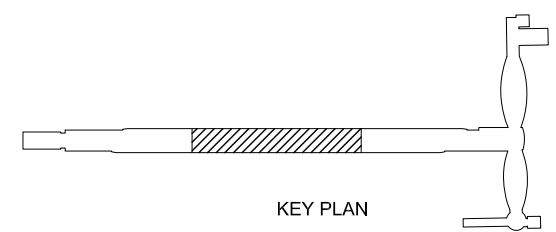
- ① SUPPORT CW PIPING FROM PLATFORM STRUCTURE SOFFIT PER 3/MP931 DETAIL.
- ② RD PIPING RISER INSIDE HSS COLUMN.



MATCH LINE
SEE DWG NO. MP511
☉ OF NORTH WORK
POINT

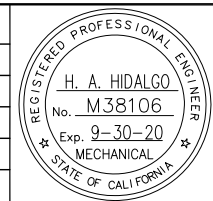
MATCH LINE
SEE DWG NO. MP513

① PLATFORM PLAN 2
MP512 SCALE 1/8"=1'-0"



Revised: Jun 23, 2020 - 11:00am F:\V_P\Projects\2017\1712-FM-BKF_VTA\PW_EXPORTS\0623\01MP512.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



DESIGNED H. HIDALGO		CHECKED P. MALLILLIN	
DRAWN R. HEYER		CADD FILE NAME 801MP512.DWG	

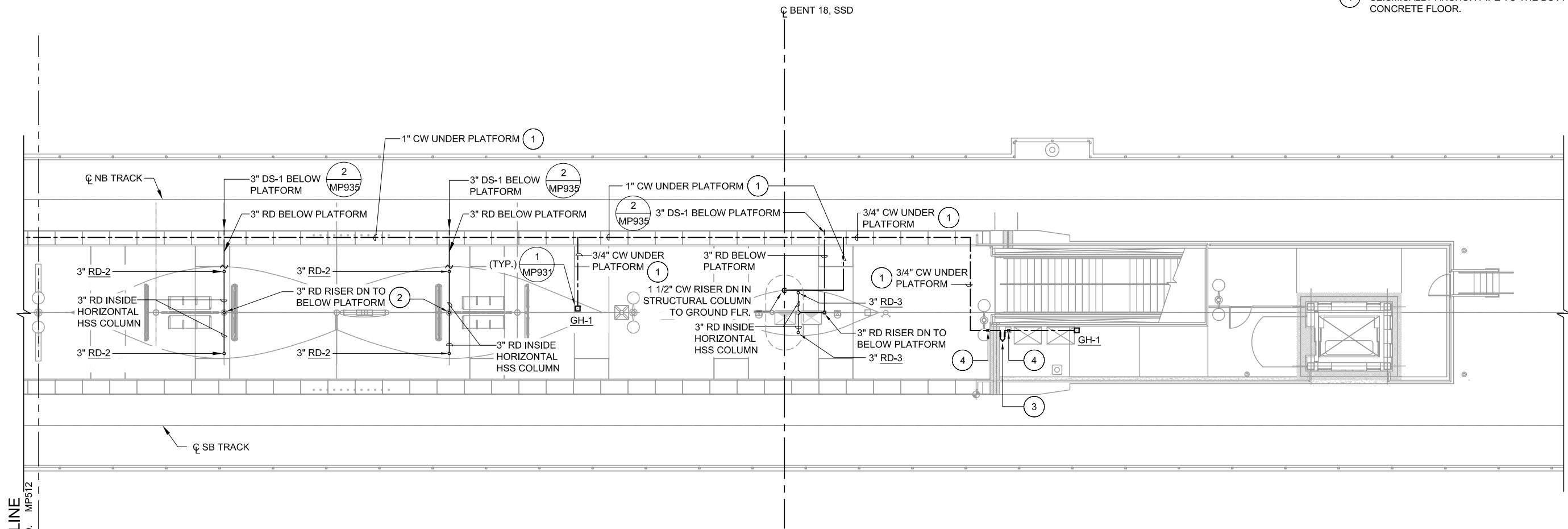


APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 11/05/18	SCALE 1/8"=1'-0"
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT PLUMBING - STORY STATION AERIAL CENTER PLATFORM PLATFORM PLAN 2			SHEET OF DRAWING NO. MP512 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

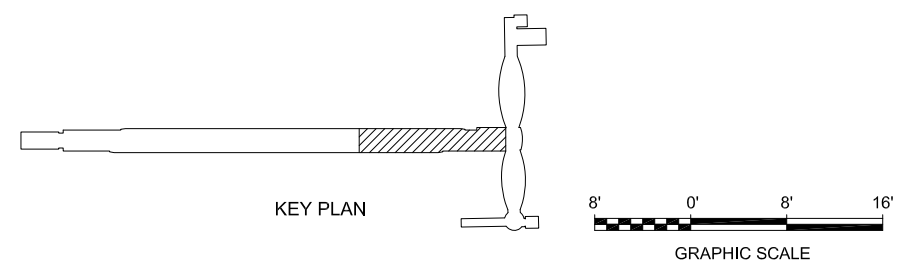
KEY NOTES:

- ① SUPPORT CW PIPING FROM PLATFORM STRUCTURE SOFFIT PER 3/MP931 DETAIL.
- ② RD PIPING RISER INSIDE HSS COLUMN.
- ③ 3/4" CW BRONZE FLEXIBLE SEISMIC EXPANSION LOOP ASSEMBLY TO ACCOMMODATE +/- 4 INCHES TRANSVERSE AND LONGITUDINAL MOVEMENT OF BUILDING STRUCTURE. FLEXIBLE SEISMIC EXPANSION LOOP ASSEMBLY SHALL BE METRAFLEX MODEL MLSUPC.
- ④ SEISMICALLY ANCHOR PIPE TO THE BOTTOM OF CONCRETE FLOOR.



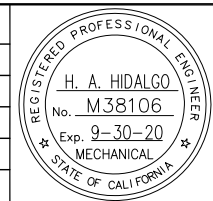
MATCH LINE
SEE DWG NO. MP512

① PLATFORM PLAN 3
MP513 SCALE 1/8"=1'-0"



Resc Jun 23, 2020 - 11:00am F:\V_P\Projects\2017\1712-FM-BKF VTA\PW EXPORTS\0622\001MP513.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



DESIGNED H. HIDALGO		CHECKED P. MALLILLIN	
DRAWN R. HEYER		CADD FILE NAME 801MP513.DWG	



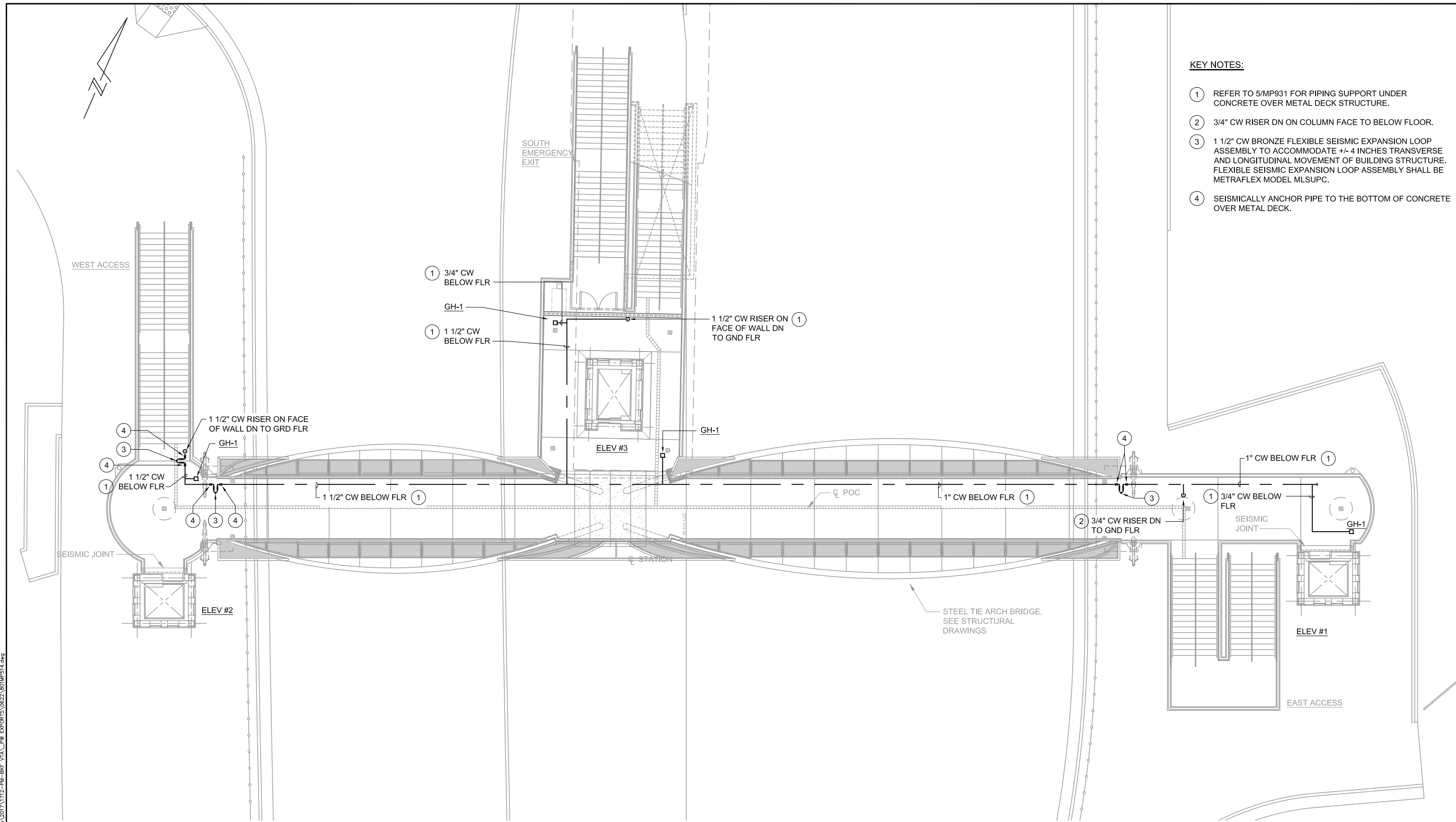
CADD FILE DATE 05/15/20		SCALE 1/8"=1'-0"	
SUBMITTAL DATE 06/29/20		BOARD APPROVAL DATE	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT PLUMBING - STORY STATION AERIAL CENTER PLATFORM PLATFORM PLAN 3		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

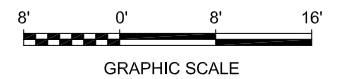
SHEET OF	DRAWING NO. MP513
REVISION	C

KEY NOTES:

- ① REFER TO 5/MP931 FOR PIPING SUPPORT UNDER CONCRETE OVER METAL DECK STRUCTURE.
- ② 3/4" CW RISER DN ON COLUMN FACE TO BELOW FLOOR.
- ③ 1 1/2" CW BRONZE FLEXIBLE SEISMIC EXPANSION LOOP ASSEMBLY TO ACCOMMODATE +/- 4 INCHES TRANSVERSE AND LONGITUDINAL MOVEMENT OF BUILDING STRUCTURE. FLEXIBLE SEISMIC EXPANSION LOOP ASSEMBLY SHALL BE METRAFLEX MODEL MLSUPC.
- ④ SEISMICALLY ANCHOR PIPE TO THE BOTTOM OF CONCRETE OVER METAL DECK.

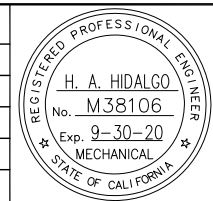


① PEDESTRIAN OVERCROSSING PLAN
MP514 SCALE 1/8"=1'-0"



Rese Jun 23, 2020 - 11:00am F:\V_P\Projects\2017\1712-PM-BKF\VA\PW_EXPORTS\0622\801MP514.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED	
YEI ENGINEERS	
DESIGNED	CHECKED
H. HIDALGO	P. MALLILLIN
DRAWN	CADD FILE NAME
R. HEYER	801MP514.DWG

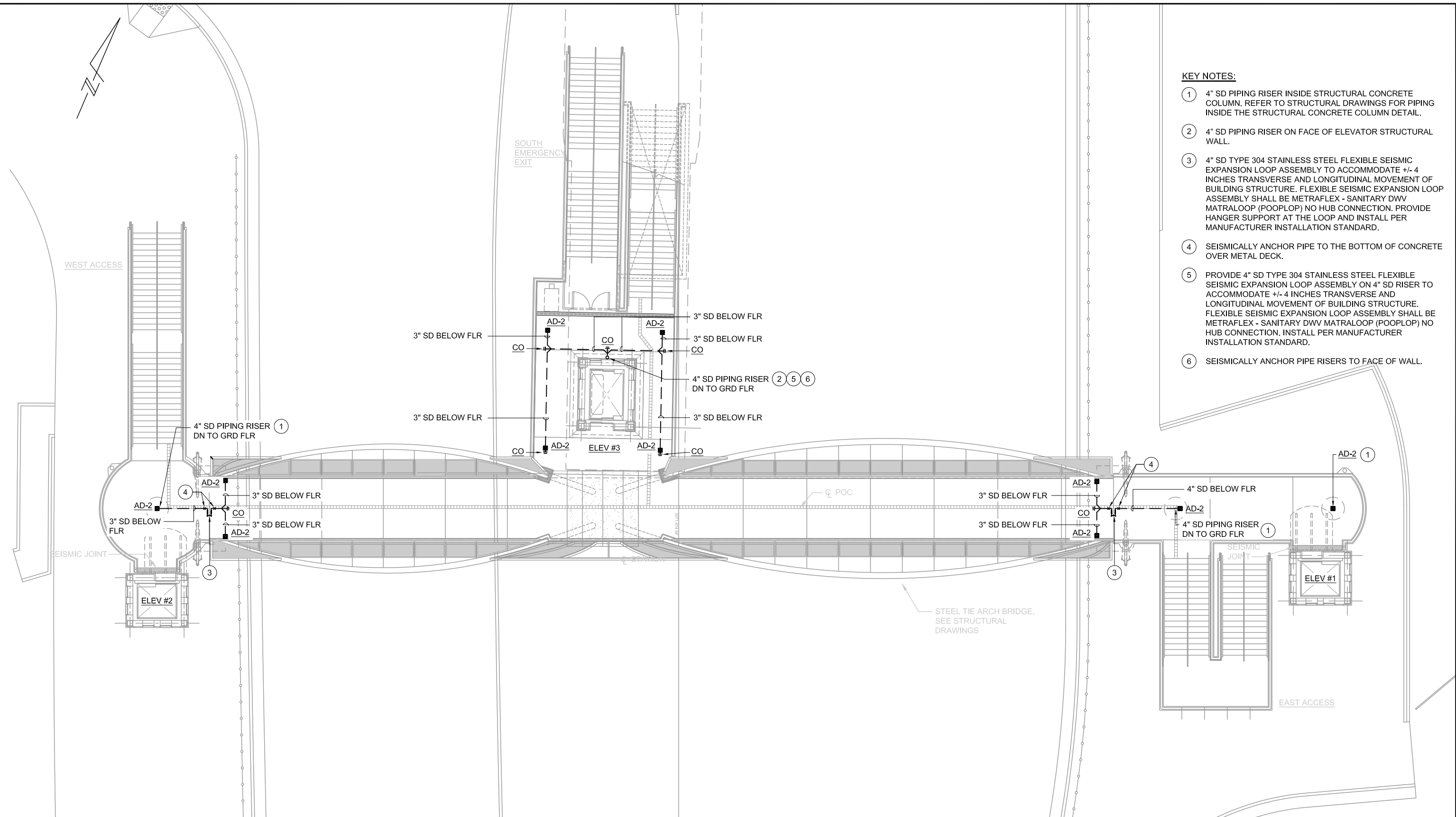


APPROVED	
BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
12/06/18	1/8"=1'-0"
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

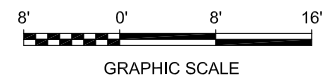
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT PLUMBING - STORY STATION PEDESTRIAN OVERCROSSING PLAN		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE
SHEET OF	DRAWING NO.	REVISION
	MP514	C

KEY NOTES:

- ① 4" SD PIPING RISER INSIDE STRUCTURAL CONCRETE COLUMN. REFER TO STRUCTURAL DRAWINGS FOR PIPING INSIDE THE STRUCTURAL CONCRETE COLUMN DETAIL.
- ② 4" SD PIPING RISER ON FACE OF ELEVATOR STRUCTURAL WALL.
- ③ 4" SD TYPE 304 STAINLESS STEEL FLEXIBLE SEISMIC EXPANSION LOOP ASSEMBLY TO ACCOMMODATE +/- 4 INCHES TRANSVERSE AND LONGITUDINAL MOVEMENT OF BUILDING STRUCTURE. FLEXIBLE SEISMIC EXPANSION LOOP ASSEMBLY SHALL BE METRAFLEX - SANITARY DWV MATRALOOP (POOPLOP) NO HUB CONNECTION. PROVIDE HANGER SUPPORT AT THE LOOP AND INSTALL PER MANUFACTURER INSTALLATION STANDARD.
- ④ SEISMICALLY ANCHOR PIPE TO THE BOTTOM OF CONCRETE OVER METAL DECK.
- ⑤ PROVIDE 4" SD TYPE 304 STAINLESS STEEL FLEXIBLE SEISMIC EXPANSION LOOP ASSEMBLY ON 4" SD RISER TO ACCOMMODATE +/- 4 INCHES TRANSVERSE AND LONGITUDINAL MOVEMENT OF BUILDING STRUCTURE. FLEXIBLE SEISMIC EXPANSION LOOP ASSEMBLY SHALL BE METRAFLEX - SANITARY DWV MATRALOOP (POOPLOP) NO HUB CONNECTION. INSTALL PER MANUFACTURER INSTALLATION STANDARD.
- ⑥ SEISMICALLY ANCHOR PIPE RISERS TO FACE OF WALL.

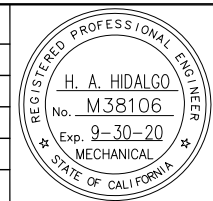


1 PEDESTRIAN OVERCROSSING PLAN
MP515 SCALE 1/8"=1'-0"



Rese Jun 23, 2020 - 11:00am F:\V_Projects\2017\1712-PM-BKF_VTA\PW_EXPORTS\0622\01MP515.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET

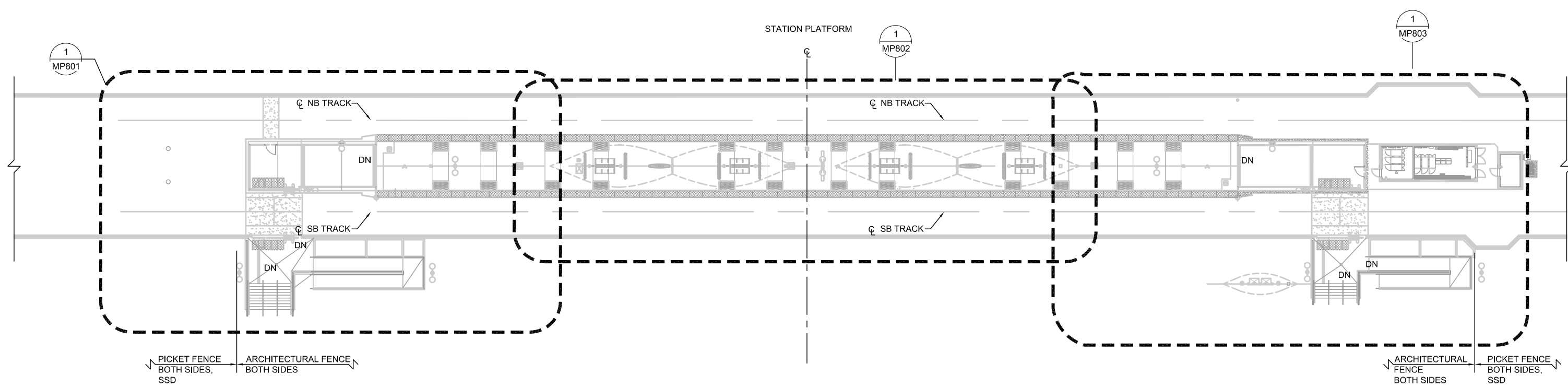
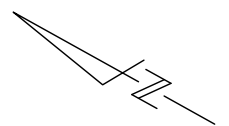


DESIGNED H. HIDALGO		CHECKED P. MALLILLIN	
DRAWN R. HEYER		CADD FILE NAME 801MP514.DWG	

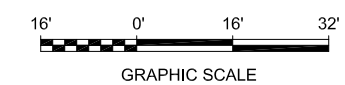


APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 12/06/18	SCALE 1/8"=1'-0"
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT PLUMBING - STORY STATION PEDESTRIAN OVERCROSSING PLAN - SD			SHEET OF DRAWING NO. MP515 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

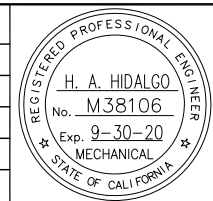


1 MP800 PLATFORM KEY PLAN
SCALE 1/16"=1'-0"



Revised: Jun 23, 2020 - 11:00am F:\V_P\Projects\2017\1712-FM-BKF_VTA\PW_EXPORTS\0622_801MP800.dwg

NO.	DATE	REVISIONS
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A	03/19	65% SUBMITTAL SET



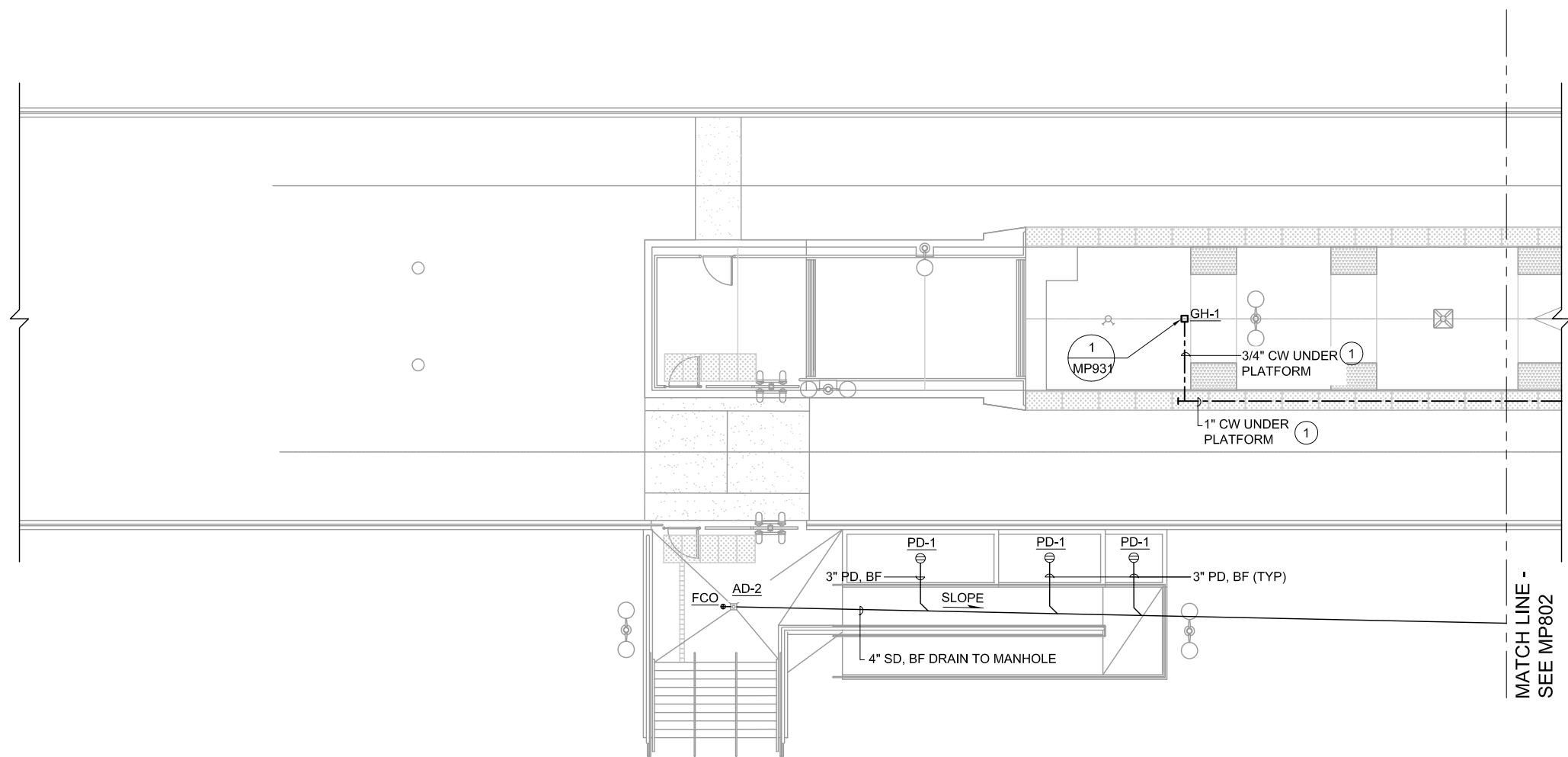
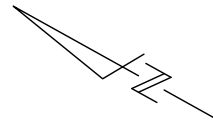
SUBMITTED	
YEI ENGINEERS	
DESIGNED	CHECKED
H. HIDALGO	P. MALLILLIN
DRAWN	CADD FILE NAME
P. WINGERD	801MP800.DWG



APPROVED	
BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
11/05/18	1/16"=1'-0"
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT PLUMBING - EASTRIDGE STATION PLATFORM KEY PLAN		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

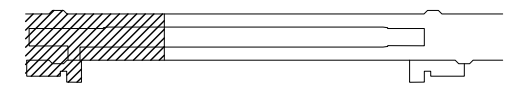
SHEET	OF
DRAWING NO.	MP800
REVISION	B



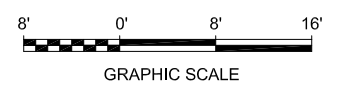
KEY NOTES:

- ① SUPPORT CW PIPING FROM PLATFORM STRUCTURE SOFFIT PER 3/MP931 DETAIL.
- ② REFER TO CIVIL DRAWINGS FOR MANHOLE TYPE, SIZE, DETAILS, AND EXACT LOCATION.

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

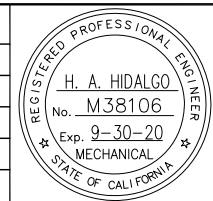


KEY PLAN



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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



DESIGNED H. HIDALGO		CHECKED P. MALLILLIN	
DRAWN P. WINGERD		CADD FILE NAME 801MP801.DWG	



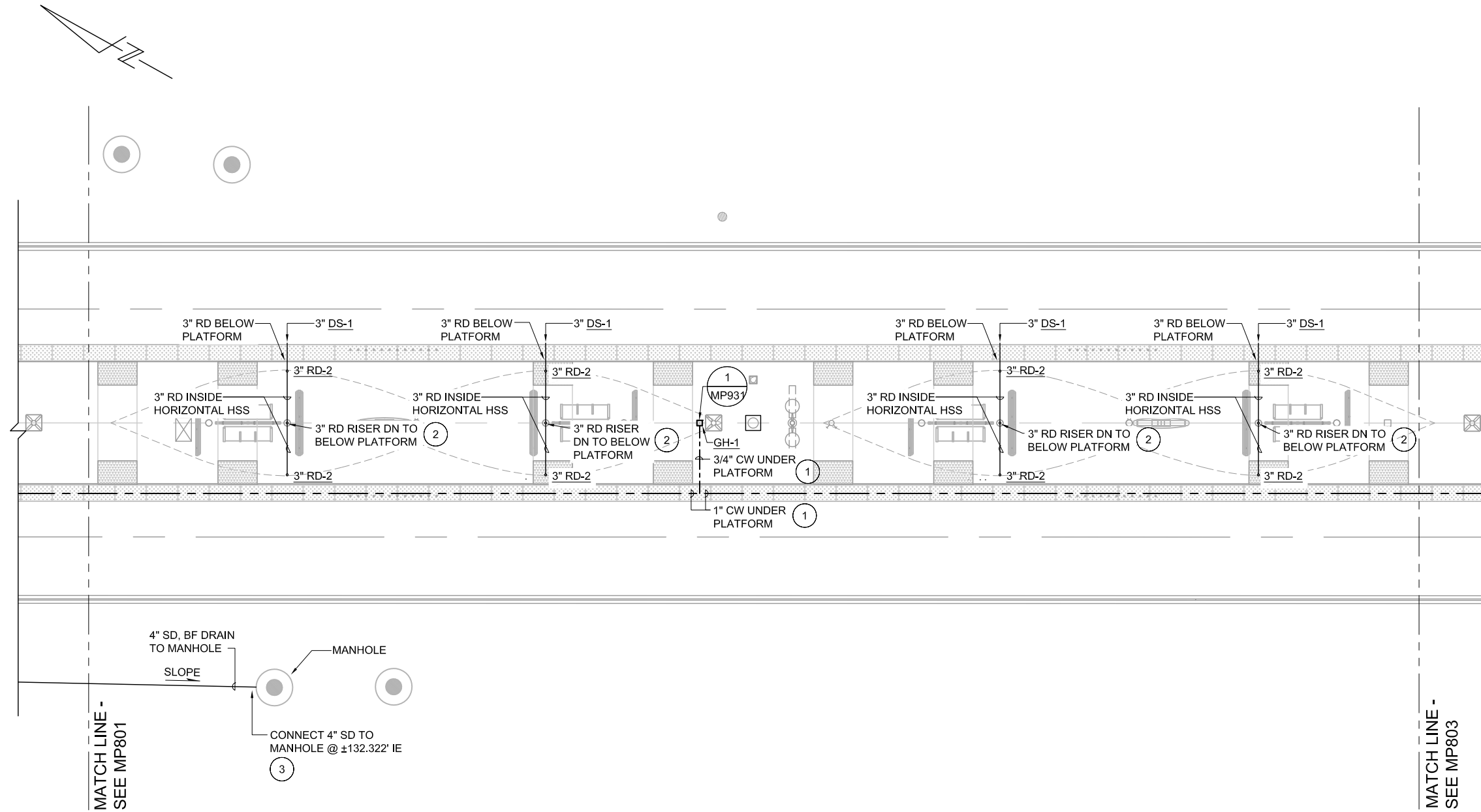
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CADD FILE DATE 11/05/18	SCALE 1/8"=1'-0"
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT PLUMBING - EASTRIDGE STATION PLATFORM PLAN SHEET 1 OF 3		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. MP801
REVISION	B

KEY NOTES:

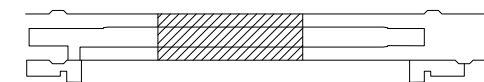
- ① SUPPORT CW PIPING FROM PLATFORM STRUCTURE SOFFIT PER 3/MP931 DETAIL.
- ② RD PIPING RISER INSIDE HSS COLUMN.
- ③ REFER TO CIVIL DRAWINGS FOR MANHOLE TYPE, SIZE, DETAILS, AND EXACT LOCATION.



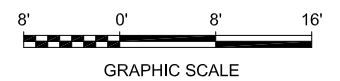
MATCH LINE -
SEE MP801

MATCH LINE -
SEE MP803

① PLATFORM PLAN
MP802 SCALE 1/8"=1'-0"

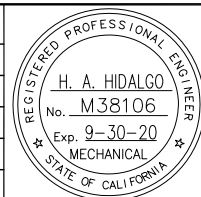


KEY PLAN



Res: Jun 23, 2020 - 11:01am F:\X_Projects\2017\1712-FM-BKF_VTA\FW_EXPORTS\0623_801MP802.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED	
YEI ENGINEERS	
DESIGNED	CHECKED
H. HIDALGO	P. MALLILLIN
DRAWN	CADD FILE NAME
P. WINGERT	801MP802.DWG



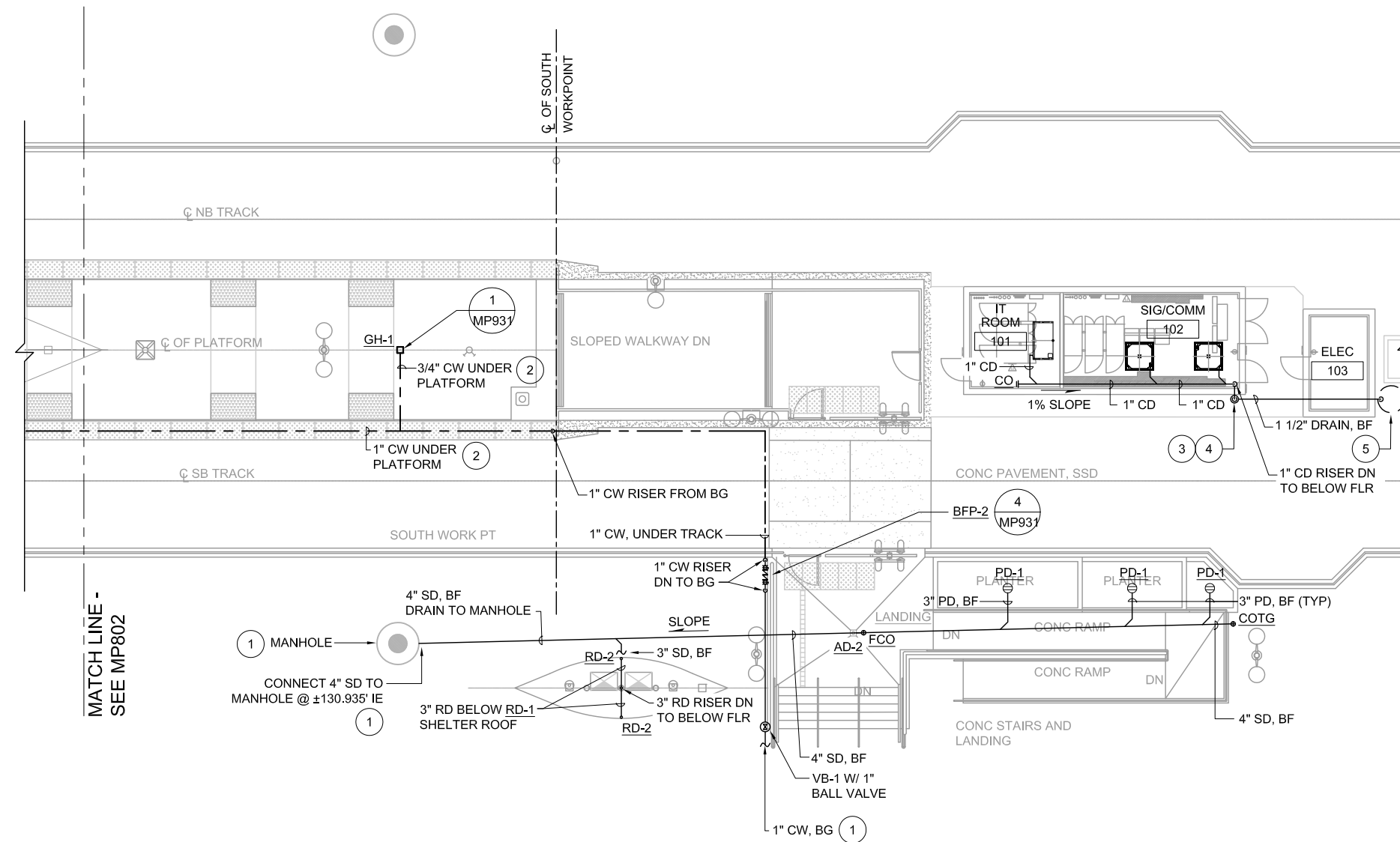
APPROVED	
BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
11/05/18	1/8"=1'-0"
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT PLUMBING - EASTRIDGE STATION PLATFORM PLAN SHEET 2 OF 3		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	MP802
REVISION	B

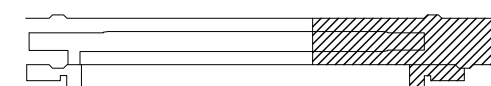
KEY NOTES:

- 1 REFER TO CIVIL DRAWINGS FOR MANHOLE TYPE, SIZE, DETAILS, AND EXACT LOCATION.
- 2 SUPPORT CW PIPING FROM PLATFORM STRUCTURE SOFFIT PER 3/MP931 DETAIL.
- 3 1" CD PIPING RISER DOWN TO TOP OF 1 1/2" DRAIN PIPE STUB-OUT WITH MINIMUM 1" AIR GAP.
- 4 1 1/2" DRAIN PIPE RISER STUB-OUT AND DOWN TO BELOW GRADE AND SHALL BE 6" MINIMUM AWAY FROM THE BUILDING STRUCTURE.
- 5 BELOW GRADE CONDENSATE DISPOSAL DRYWELL, SEE CONDENSATE DRAIN DRYWELL DETAIL 5/MP934.

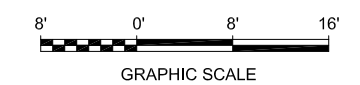


MATCH LINE -
SEE MP802

1 PLATFORM PLAN
MP803 SCALE 1/8"=1'-0"

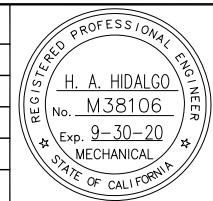


KEY PLAN



Rese Jun 23, 2020 - 11:05am F:\V_Projects\2017\1712-FM-BKF VTA\FW_EXPORTS\0622\01MP803.dwg

NO.	DATE	REVISIONS
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A	03/19	65% SUBMITTAL SET



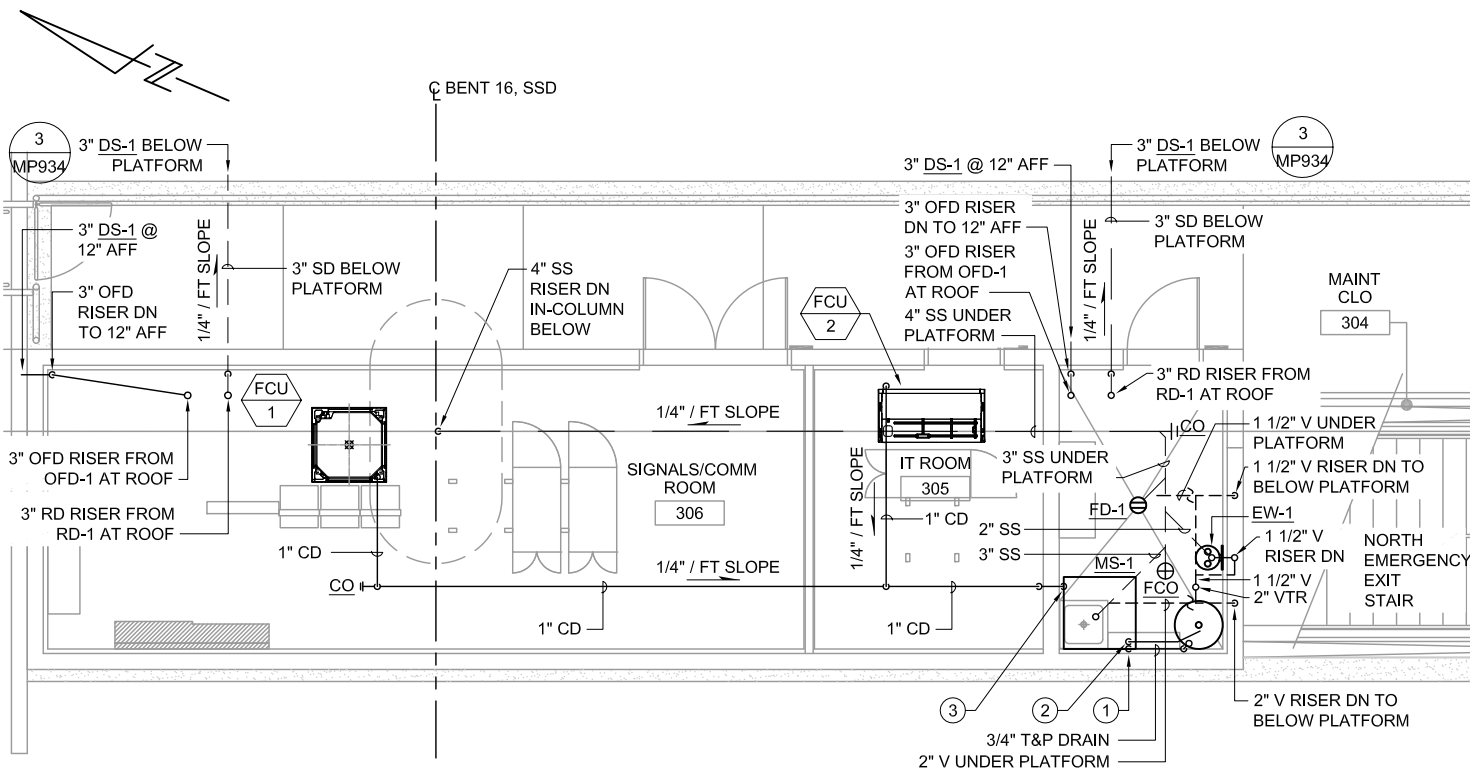
DESIGNED H. HIDALGO		CHECKED P. MALLILLIN	
DRAWN P. WINGERT		CADD FILE NAME 801MP803.DWG	



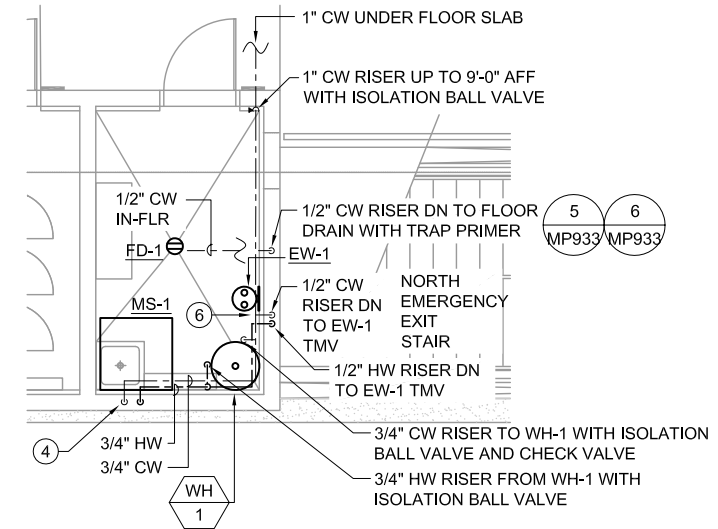
APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 11/05/18	SCALE 1/8"=1'-0"
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT PLUMBING - EASTRIDGE STATION PLATFORM PLAN SHEET 3 OF 3		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. MP803
REVISION	B

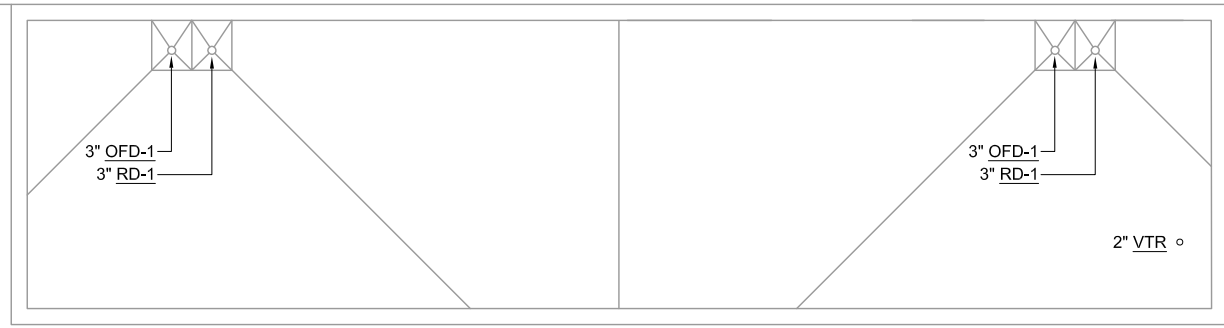


1 ENLARGED PLAN - SS & V
 MP901 SCALE 1/4"=1'-0"
 MP511



2 ENLARGED PLAN - CW & HW
 MP901 SCALE 1/4"=1'-0"
 MP511

- KEY NOTES:**
- 3/4" T&P DRAIN PIPING RISER DOWN TO MOP SINK, MS-1 AT 1" MINIMUM ABOVE SINK FLOOD RIM LEVEL COMPLETE WITH SUPPORTS.
 - 3/4" DRAIN PIPING RISER DOWN TO MOP SINK, MS-1 AT 1" MINIMUM ABOVE SINK FLOOD RIM LEVEL COMPLETE WITH SUPPORTS.
 - 1" CD PIPING RISER DOWN TO MOP SINK, MS-1 AT 1" MINIMUM ABOVE SINK FLOOD RIM LEVEL COMPLETE WITH SUPPORTS.
 - 3/4" CW AND 3/4" HW PIPING IN-WALL RISER DOWN TO MS-1 FAUCET WITH SUPPORTS.
 - WALL MOUNTED THERMOSTATIC MIXING VALVE AT 30 INCHES ABOVE FINISHED FLOOR WITH 1/2"Ø TEMPERED WATER SUPPLY TO EMERGENCY EYEWASH COMPLETE WITH ISOLATION BALL VALVE, FITTINGS, INSULATION AND SUPPORTS. SET THERMOSTATIC MIXING VALVE AT 75°F (ADJUSTABLE).



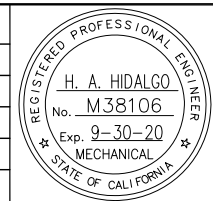
3 ROOF PLAN
 MP901 SCALE 1/4"=1'-0"
 MP511



GRAPHIC SCALE

Res: Jun 23, 2020 - 11:01am F:\X_Projects\2017\1712-FM-BKF_VTA_PW_EXP0623_0623_801MP901.dwg

NO.	DATE	REVISIONS
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B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



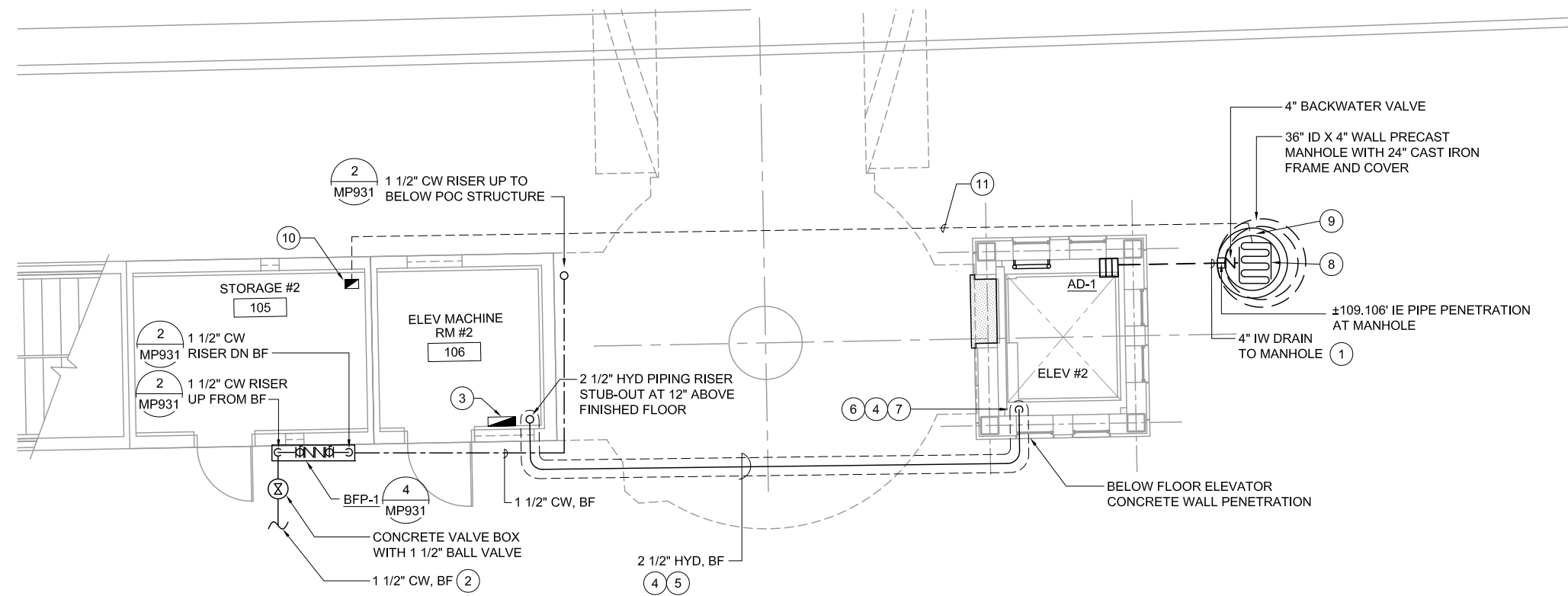
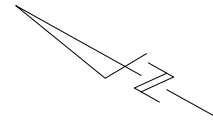
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YEI ENGINEERS	
DESIGNED	CHECKED
H. HIDALGO	
DRAWN	CADD FILE NAME
R. HEYER	801MP901.DWG



APPROVED	
BKF 100+ YEARS	
ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
12/06/18	1/4"=1'-0"
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT PLUMBING - STORY & EASTRIDGE STATIONS ENLARGED FLOOR PLANS SHEET 1 OF 2		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

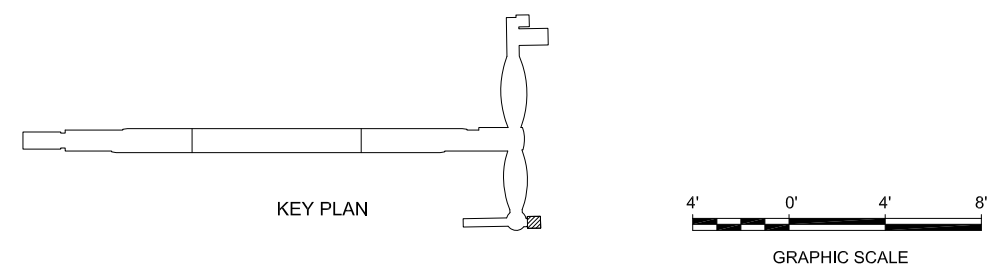
SHEET	OF
DRAWING NO.	MP901
REVISION	C



KEY NOTES:

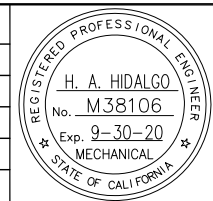
- ① 4" IW PIPING BELOW STREET TO 36" ID X 4" WALL PRECAST MANHOLE WITH 24" CAST IRON FRAME AND COVER.
- ② REFER TO CIVIL DRAWINGS FOR PIPING CONTINUATION.
- ③ HYDRAULIC PIPING LEAK DETECTION CONTROLLER WITH ALARM SYSTEM (CENTRA-GUARD OR APPROVED EQUAL) AND INTERFACE ALARM TO SCADA - VTA OPERATION CONTROL CENTER.
- ④ PROVIDE 6" PVC SCHEDULE 40 DOUBLE-CONTAINMENT OUTER PIPE SERVING 2 1/2" HYDRAULIC PIPING COMPLETE WITH INTERSTITIAL SUPPORTING DEVICES AND ASSOCIATED APPURTENANCES (CUSTOM-GUARD OR APPROVED EQUAL).
- ⑤ SLOPE DOUBLE-CONTAINMENT PIPING TOWARDS THE ELEVATOR AT 1/4" PER FOOT.
- ⑥ 2 1/2" HYD PIPING STUB-OUT AT 12" ABOVE ELEVATOR PIT FLOOR.
- ⑦ PROVIDE ELEVATOR HYDRAULIC OIL LEAK DETECTION SENSOR (CNETRA-GUARD OR APPROVED EQUAL) AT END OF DOUBLE-CONTAINMENT HYDRAULIC PIPING.
- ⑧ PROVIDE HYDRAULIC OIL ABSORBENT SOCKS WITH DURABLE METAL CONNECTOR HARDWARE AND 1/2" POLYPROPYLENE ROPE AT THE BOTTOM OF PRECAST MANHOLE. QUANTITIES OF OIL ABSORBENT SOCKS SHALL BE ABLE TO ABSORB APPROXIMATELY 160 GALLONS OF HYDRAULIC OIL. ANCHOR ROPE TO BOTTOM OF MANHOLE COVER FOR EASY PULL ACCESS DURING REPLACEMENT.
- ⑨ TETHERED WATER FLOW SWITCH (WEIL MODEL 8234 ISR FLOAT SWITCH) AT 4" ABOVE PRECAST CONCRETE MANHOLE FLOOR COMPLETE WITH CONTROL WIRING, STEEL CONDUIT AND SUPPORTS. CONNECT TO HIGH WATER REMOTE ALARM PANEL INSIDE THE STORAGE 1 #102.
- ⑩ 115V TYPE 1 HIGH WATER REMOTE ALARM PANEL (WEIL MODEL 8341) COMPLETE WITH ENCLOSURE PANEL AND INTERFACE TO BUILDING ENERGY MANAGEMENT AND CONTROL SYSTEM FOR ALARM SIGNAL.
- ⑪ BELOW FLOOR CONTROL WIRING INSIDE GALVANIZED STEEL CONDUIT FROM WATER FLOW SWITCH TO HIGH WATER REMOTE ALARM PANEL.

1 ENLARGED PLAN
MP902 SCALE 1/4"=1'-0"



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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



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YEI ENGINEERS	
DESIGNED	CHECKED
H. HIDALGO	
DRAWN	CADD FILE NAME
R. HEYER	801MP902.DWG

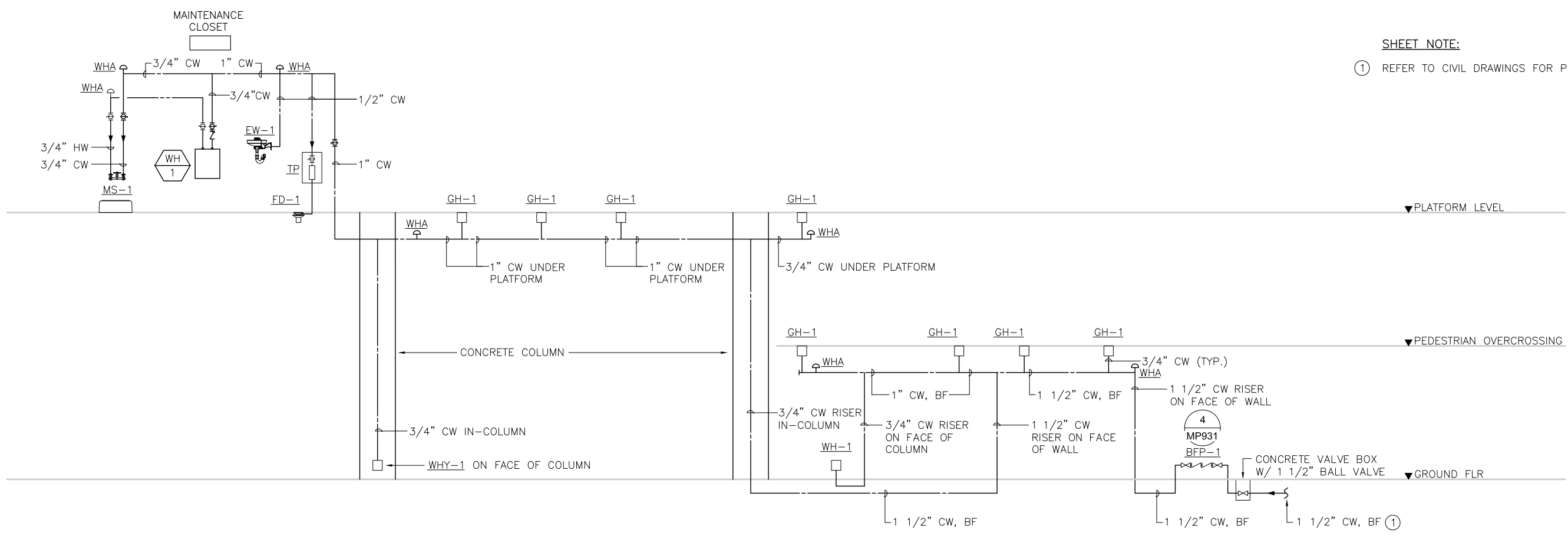


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BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
11/05/18	1/4"=1'-0"
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

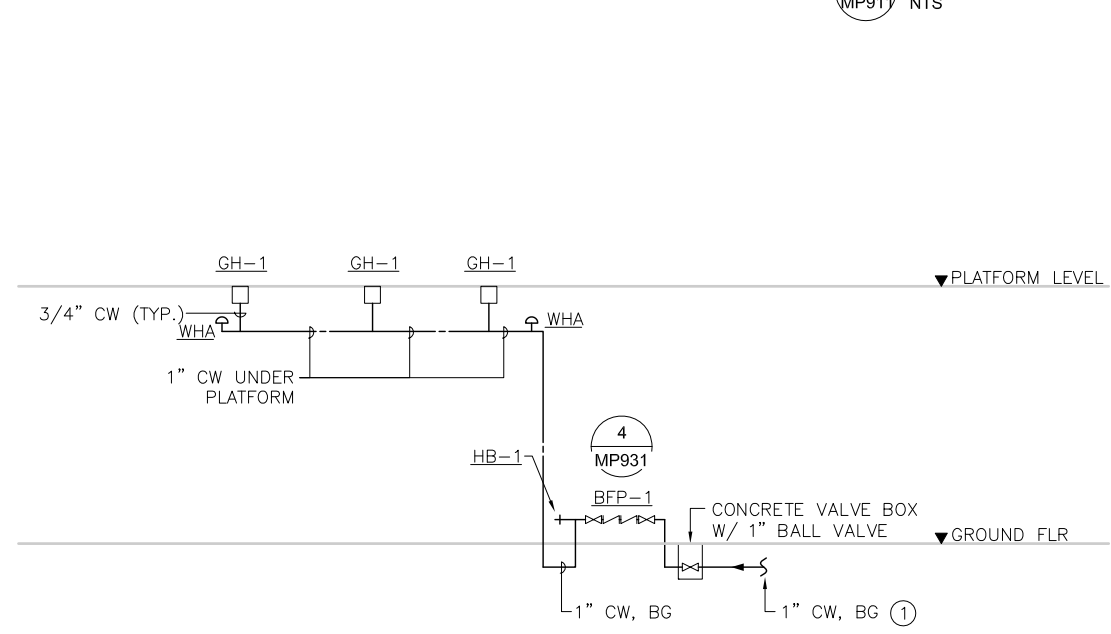
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT PLUMBING - STORY & EASTRIDGE STATIONS ENLARGED FLOOR PLANS SHEET 2 OF 2		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	MP902
REVISION	C

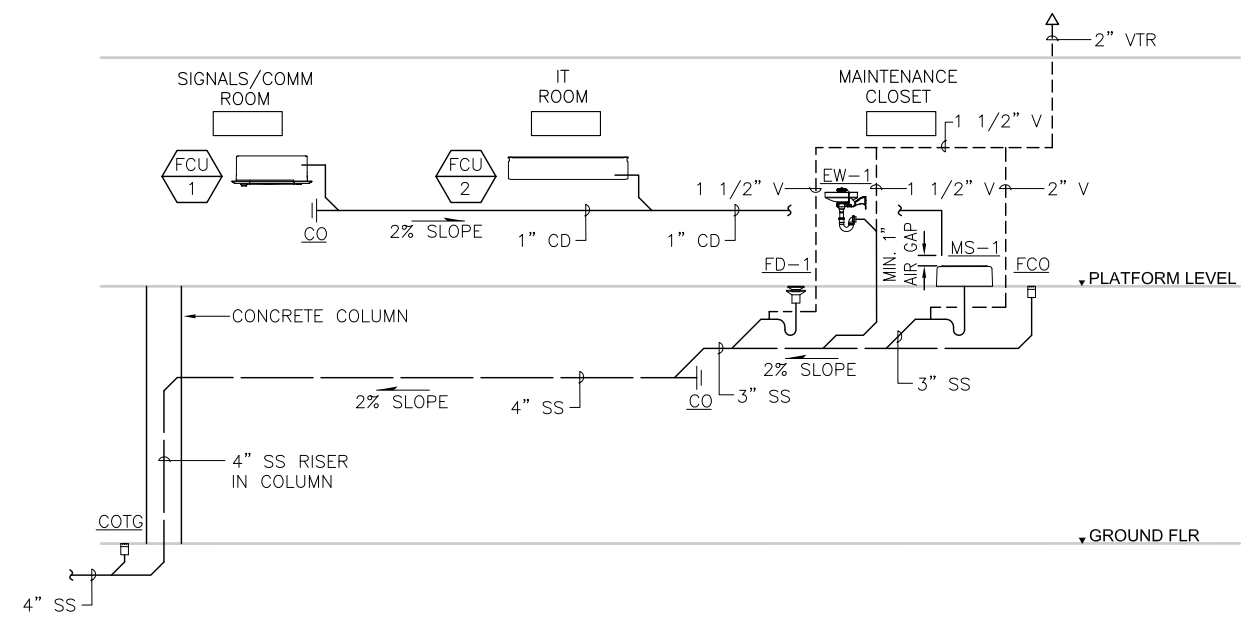
SHEET NOTE:
 ① REFER TO CIVIL DRAWINGS FOR PIPING CONTINUATION.



① CW & HW SYSTEM PIPING DIAGRAM - STORY STATION
 MP911 NTS



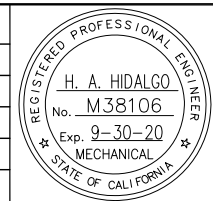
② CW SYSTEM PIPING DIAGRAM - EASTRIDGE STATION
 MP911 NTS



③ SANITARY SEWER AND VENT SYSTEM PIPING DIAGRAM - STORY STATION
 MP911 NTS

Revis: Jun 23, 2020 - 11:01am: F:\X_Projects\2017\1712-FM-BKF_VTA_PW_EXP\0623_0623_801MP911.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
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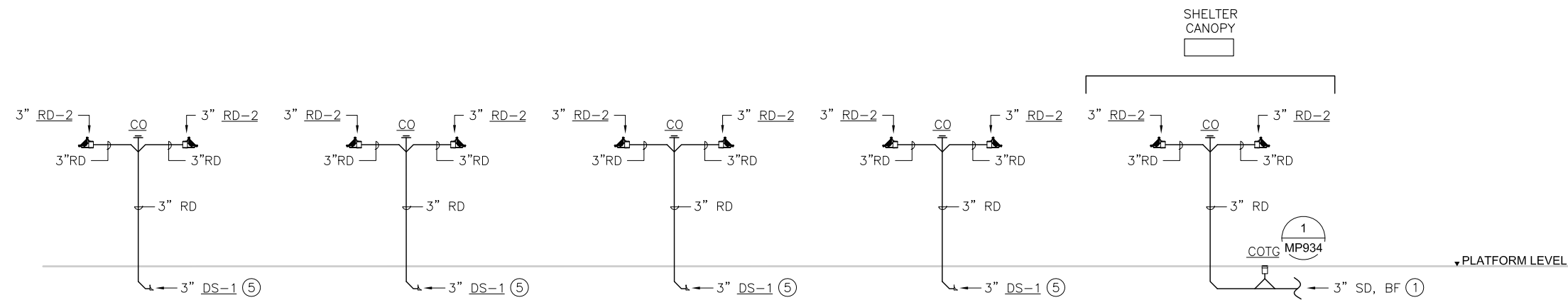
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DRAWN R. HEYER		CADD FILE NAME 801MP911.DWG	



APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 11/05/18	SCALE NTS
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

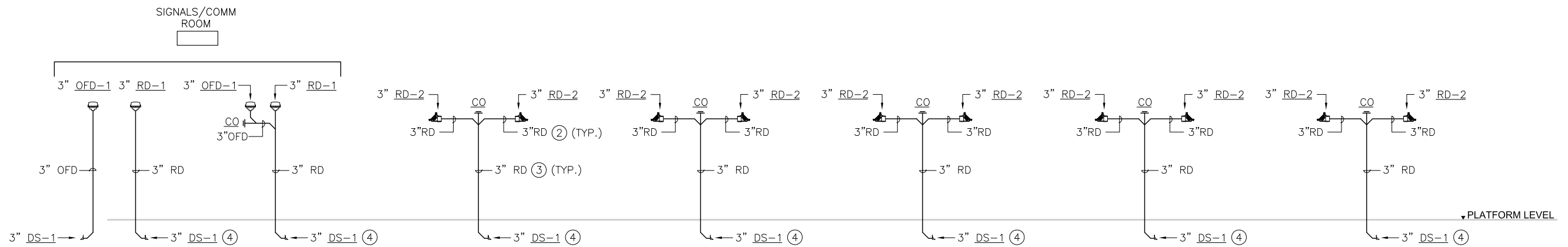
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT PLUMBING PIPING DIAGRAMS SHEET 1 OF 2		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. MP911
REVISION	C

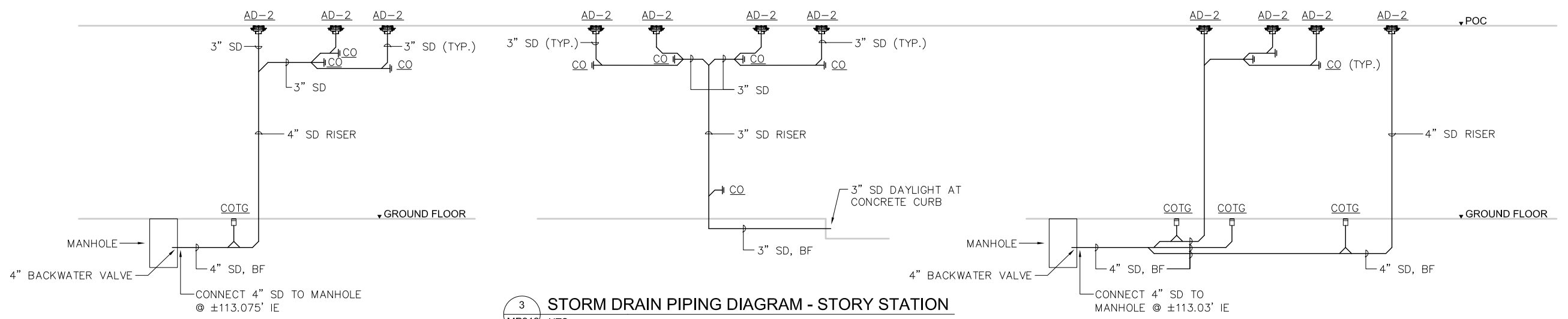


1 STORM DRAIN PIPING DIAGRAM - EASTRIDGE STATION
MP912 NTS

- SHEET NOTES:**
- ① REFER TO CIVIL DRAWINGS FOR PIPING CONTINUATION.
 - ② 3" SD PIPING RUNNING INSIDE HORIZONTAL 8"Ø HSS.
 - ③ 3" SD PIPING RISER INSIDE 10"Ø HSS COLUMN.
 - ④ DOWNSPOUT NOZZLE ON FACE OF STRUCTURAL GUIDEWAY GIRDER BELOW PLATFORM. REFER TO DRAWING A/MP550 FOR SECTION DETAIL.
 - ⑤ DOWNSPOUT NOZZLE ON FACE OF STRUCTURAL GUIDEWAY GIRDER BELOW PLATFORM. REFER TO DRAWING B/MP550 FOR SECTION DETAIL.



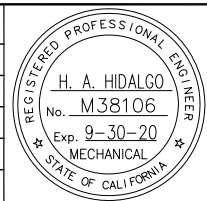
2 STORM DRAIN PIPING DIAGRAM - STORY STATION
MP912 NTS



3 STORM DRAIN PIPING DIAGRAM - STORY STATION
MP912 NTS

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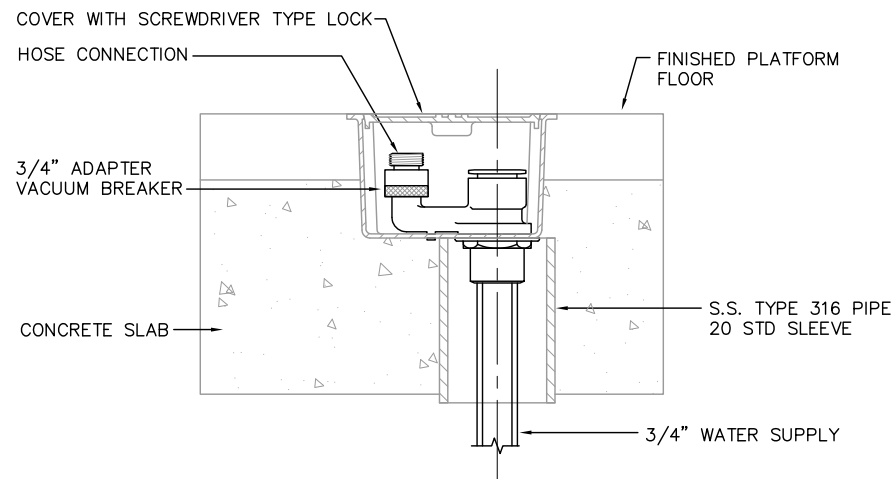
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DRAWN R. HEYER		CADD FILE NAME 801MP912.DWG	



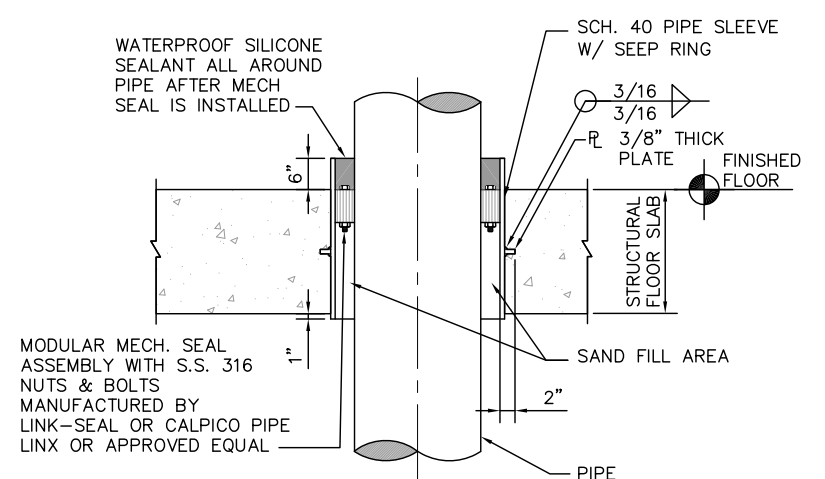
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SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT PLUMBING PIPING DIAGRAMS SHEET 2 OF 2		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

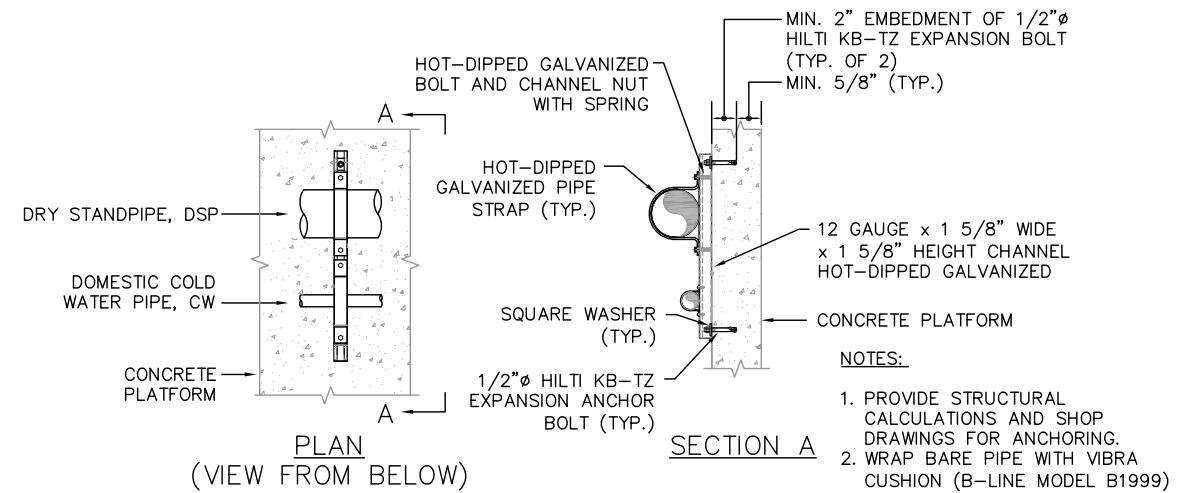
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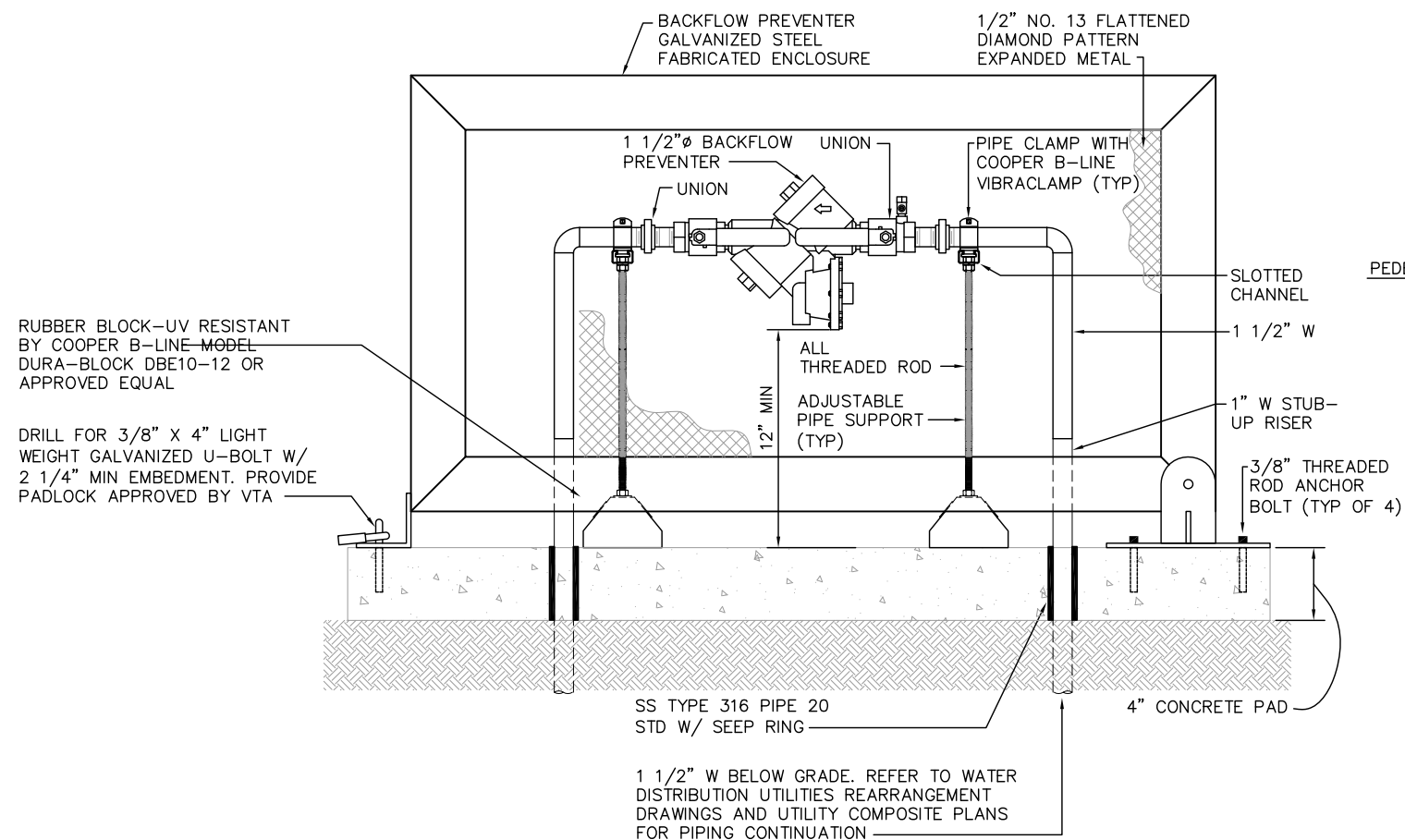
1 GROUND HYDRANT DETAIL
MP931 NTS



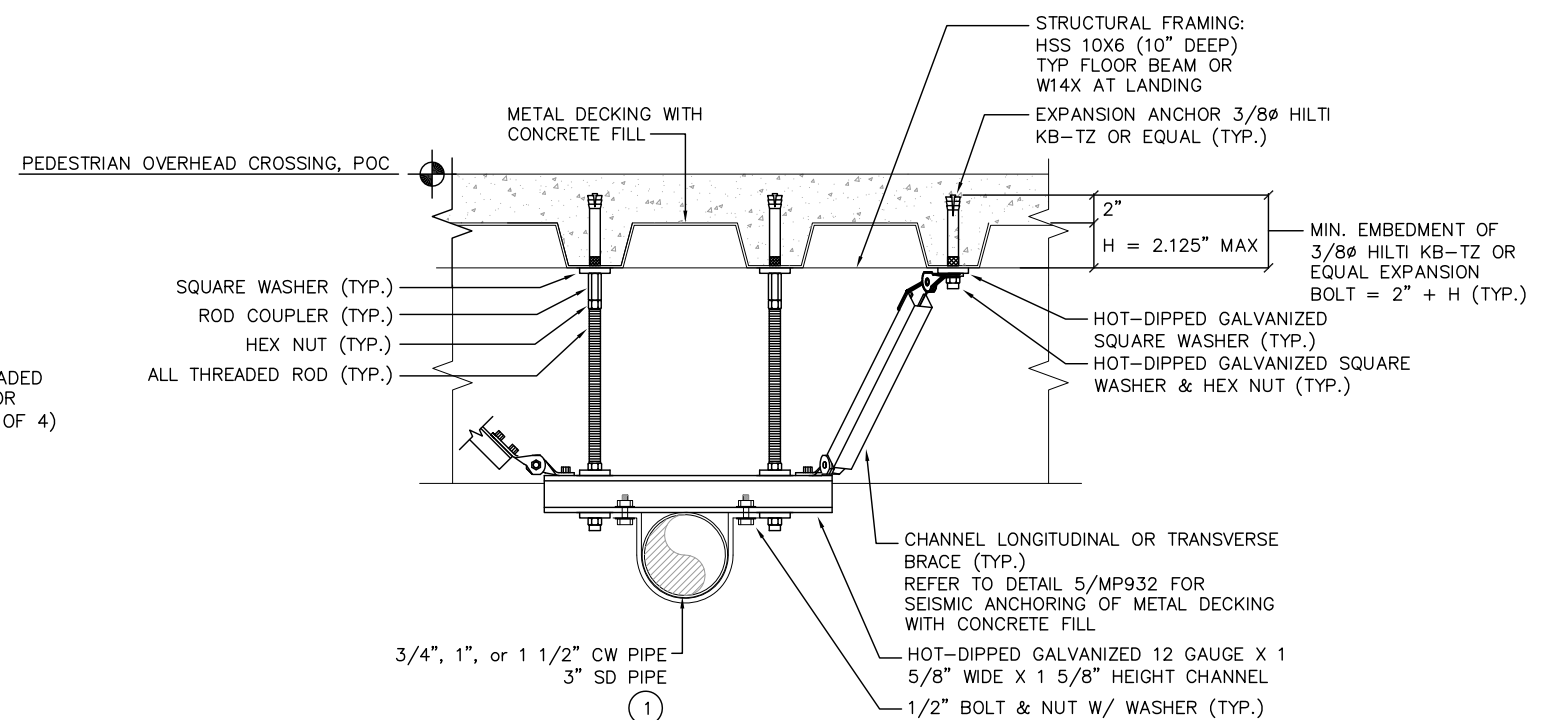
2 TYPICAL PIPING PENETRATION THROUGH FLOOR SLAB
MP931 NTS



3 PIPING BELOW CONCRETE PLATFORM SUPPORT DETAIL
MP931 NTS



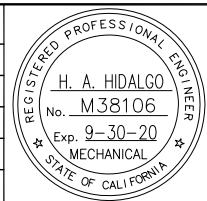
4 BACKFLOW PREVENTER DETAIL
MP931 NTS



5 PIPE BELOW CONCRETE SLAB OVER METAL DECK SUPPORT DETAIL
MP931 NTS

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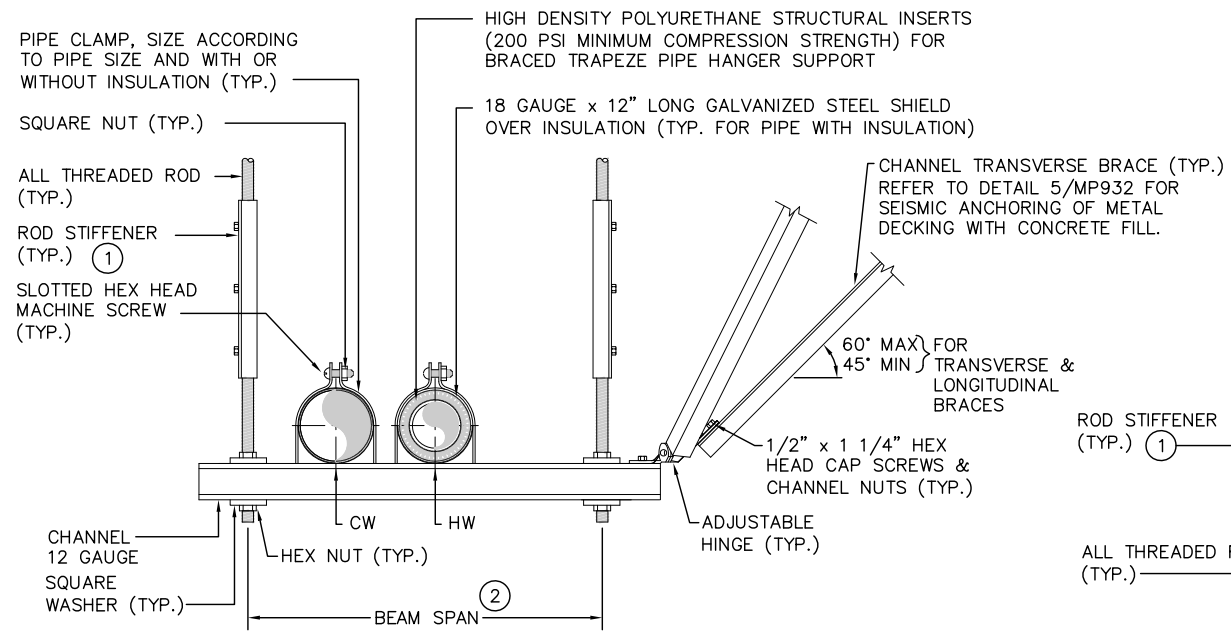
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PCA NO.	CONTRACT NO.	FILE LOCATION
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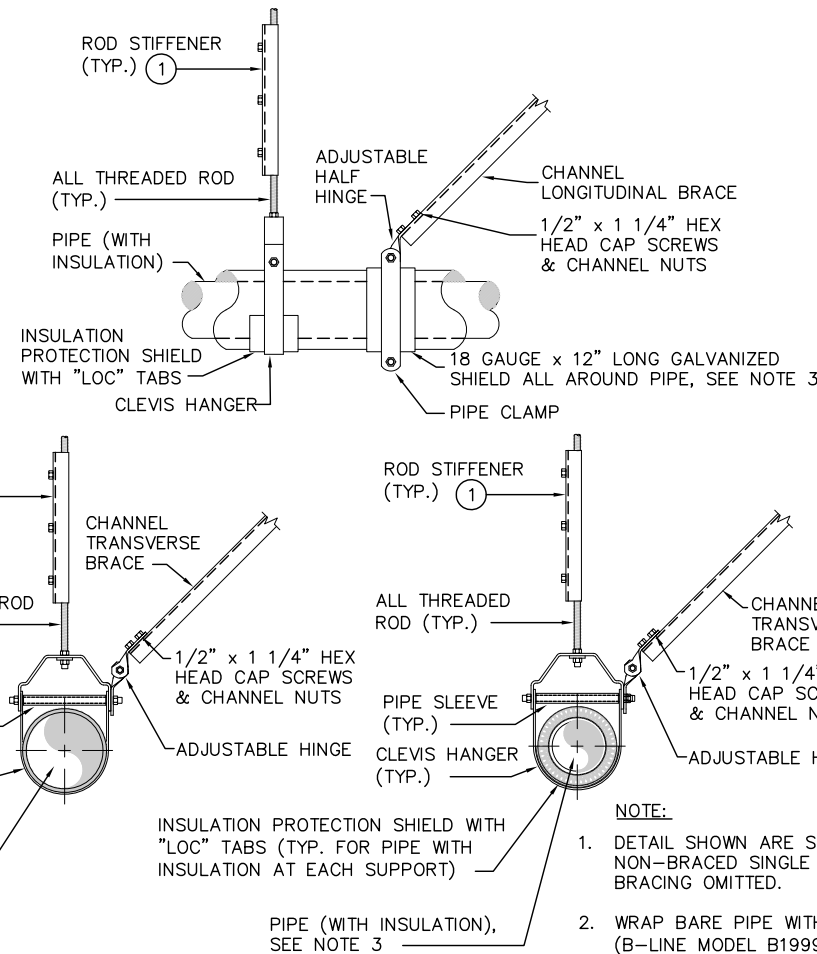
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NOTES:

1. DETAILS SHOWN ARE SIMILAR FOR NON-BRACED TRAPEZE PIPE HANGER SUPPORT WITH BRACING OMITTED
2. WRAP BARE PIPE WITH VIBRA CUSHION (B-LINE MODEL B1999)

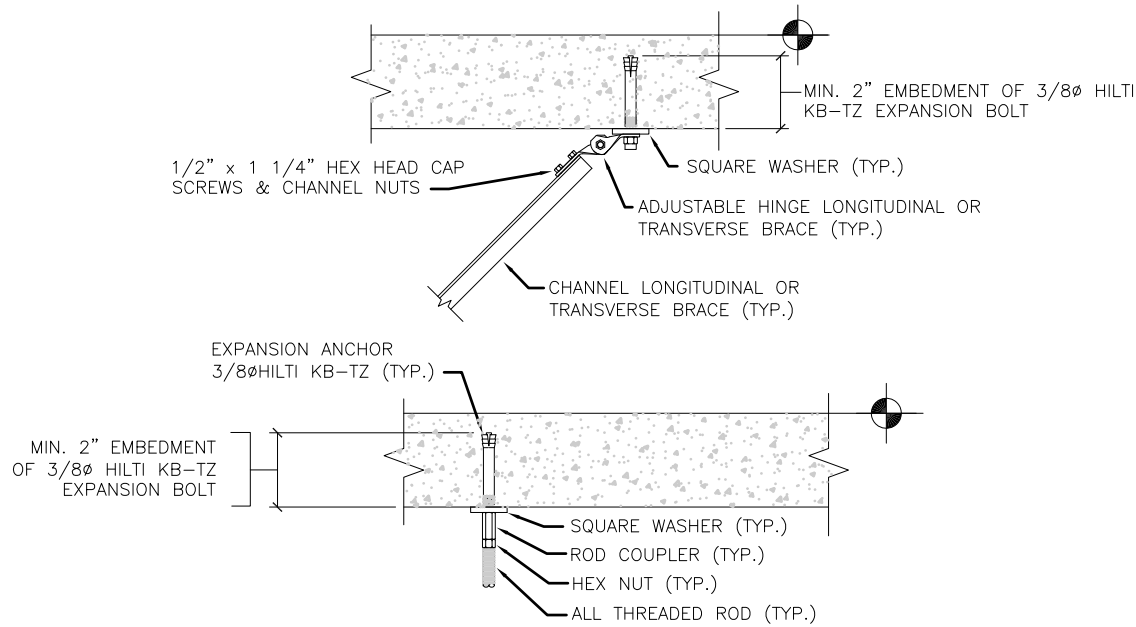
1 TYPICAL TRAPEZE PIPE HANGER SEISMIC SUPPORT
MP932 NTS



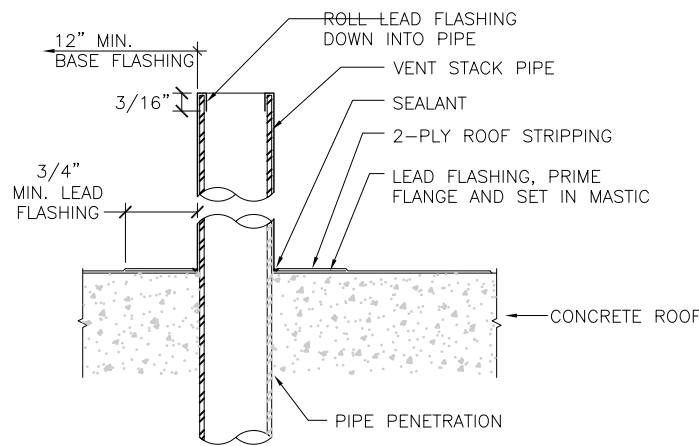
NOTE:

1. DETAIL SHOWN ARE SIMILAR FOR NON-BRACED SINGLE PIPE SUPPORT WITH BRACING OMITTED.
2. WRAP BARE PIPE WITH VIBRA CUSHION (B-LINE MODEL B1999).
3. PROVIDE HIGH DENSITY POLYURETHANE STRUCTURAL INSERTS (200 PSI MINIMUM COMPRESSION STRENGTH) FOR BRACED SINGLE PIPE HANGER SUPPORT.

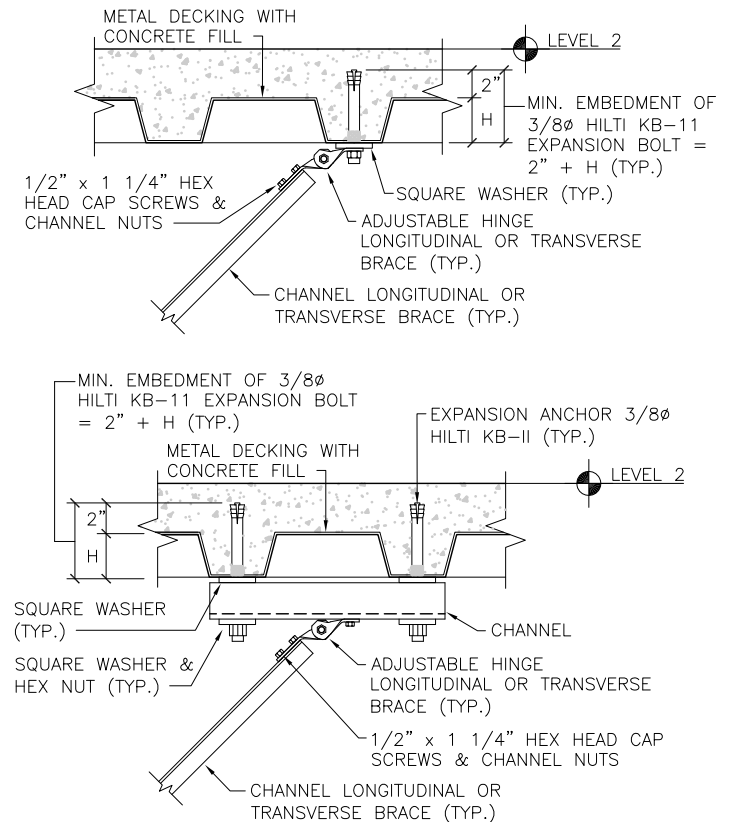
2 TYPICAL SINGLE PIPE SUPPORT
MP932 NTS



3 TYPICAL CONCRETE ROOF PIPE SUPPORT AND SEISMIC ATTACHMENTS
MP932 NTS



4 TYPICAL VENT PIPE ROOF PENETRATION (VTR)
MP932 NTS



5 TYPICAL CONCRETE METAL DECK PIPE SEISMIC SUPPORT ATTACHMENTS
MP932 NTS

SHEET NOTES:

1. PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO RESIST THE FORCES PRESCRIBED IN ASCE 7-05 13.3 AS DEFINED IN ASCE 7-05 SECTIONS 13.6.8, 13.6.7 AND 13.6.5.5 ITEM 6, RESPECTIVELY.
2. COPIES OF THE PRE-APPROVAL MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL SYSTEMS.
3. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

KEY NOTES:

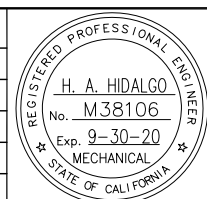
1. INSTALL ROD STIFFENER WHEN LENGTH EXCEEDS THE SCHEDULE LENGTH:

MAX. PIPE SIZE, IN.	ROD SIZE, IN.	MAX. ROD LENGTH, IN.
1/2 UP TO 2	3/8	19
2 1/2 TO 3	1/2	25
4 TO 5	5/8	31
6	3/4	37
8 TO 10	7/8	43

2. REFER TO B-LINE CHANNEL TYPE AND LOAD RATING BASED ON BEAM SPAN FOR UNIFORM AND CONCENTRATED LOAD.

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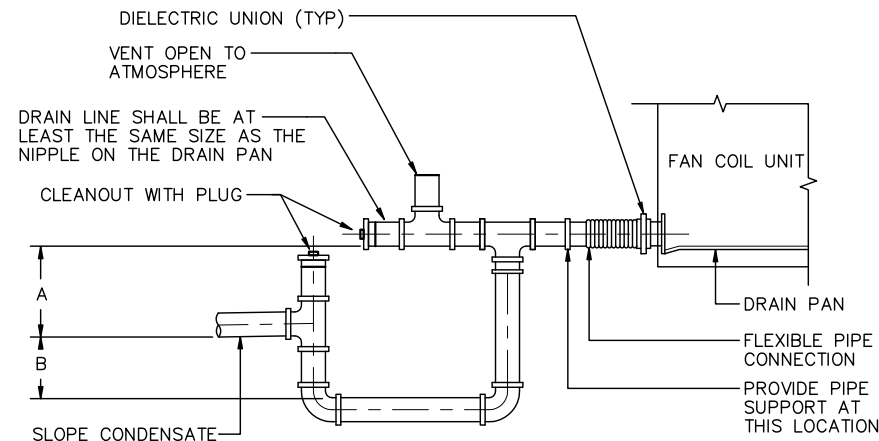
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DRAWN	CADD FILE NAME
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EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT		
PLUMBING TYPICAL DETAILS SHEET 2 OF 4		
PCA NO.	CONTRACT NO.	FILE LOCATION
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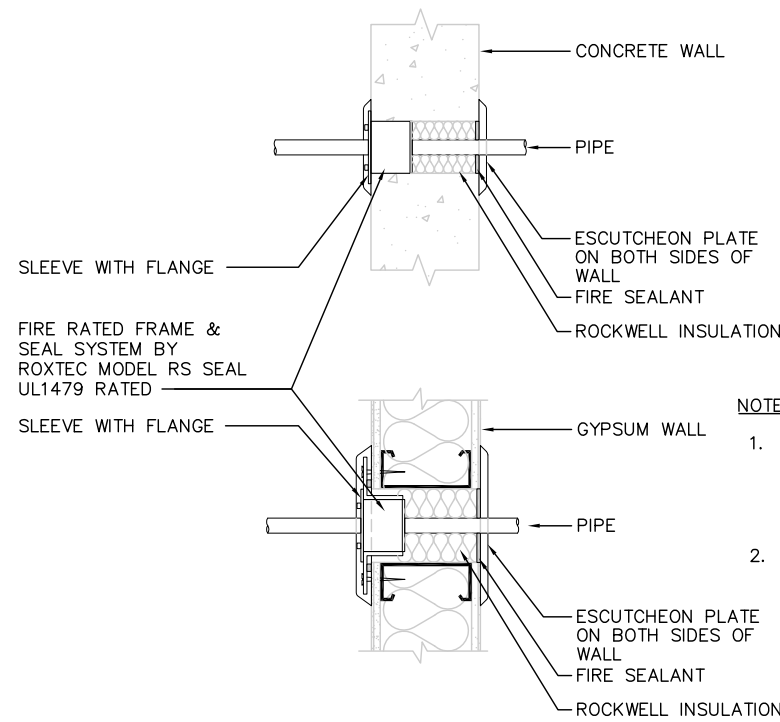
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DRAW THROUGH COIL	
A	B
SEE NOTE 1	SEE NOTE 2
BLOW THROUGH COIL	
A	B
SEE NOTE 3	SEE NOTE 4

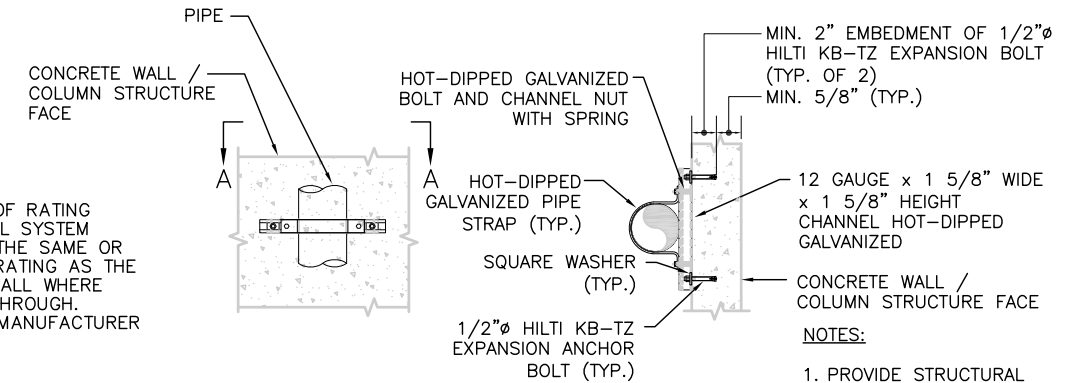
- NOTES:
1. STATIC PRESSURE OF AIR CONDITIONING UNIT PLUS 1".
 2. A/2 MINIMUM.
 3. STATIC PRESSURE OF AIR CONDITIONING UNIT PLUS 1/2".
 4. 1/2" MINIMUM.
 5. INSULATE CONDENSATE PIPING (LOCATED INDOORS).

1 DRAIN AND TRAP FROM FCU DETAIL
MP933 NTS



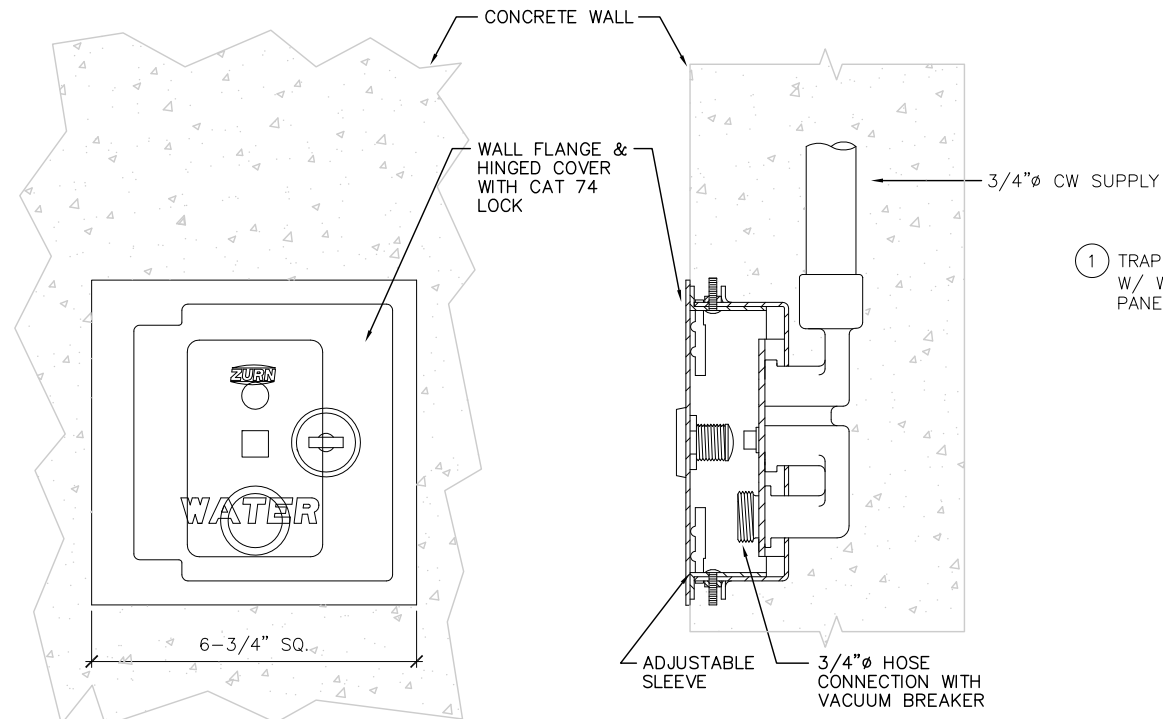
- NOTES:
1. FIRE RATING OF RATING FRAME & SEAL SYSTEM SHALL HAVE THE SAME OR HIGHER FIRE RATING AS THE FIRE RATED WALL WHERE PIPES PASS THROUGH.
 2. INSTALL PER MANUFACTURER INSTRUCTION.

2 PIPE THRU FIRE RATED WALL FITTING DETAIL
MP933 NTS

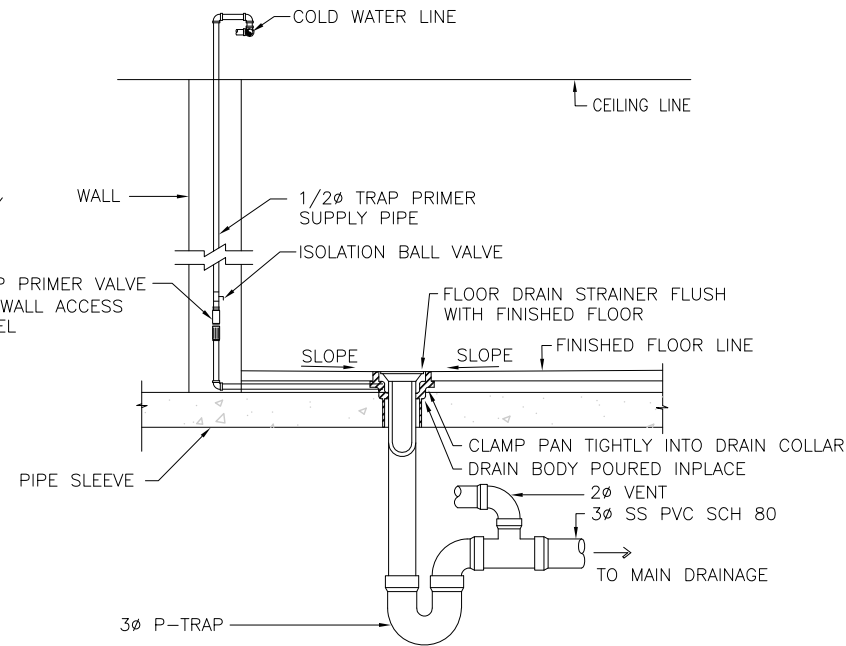


- NOTES:
1. PROVIDE STRUCTURAL CALCULATIONS AND SHOP DRAWINGS FOR ANCHORING.
 2. WRAP BARE PIPE WITH VIBRA CUSHION (B-LINE MODEL B1999)

3 TYPICAL PIPE RISER SUPPORT DETAIL
MP933 NTS

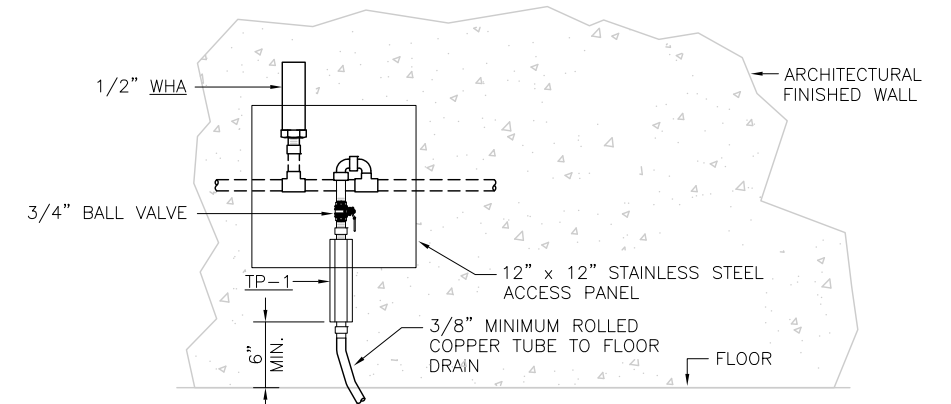


4 TYPICAL WALL HYDRANT DETAIL
MP933 NTS



- NOTE:
1. TRAP PRIMER VALVE SHALL BE PRECISION PLUMBING PRODUCTS, INC. - MODEL P1-500 OR EQUAL.

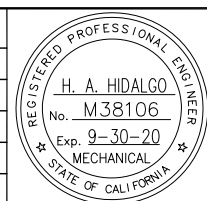
5 TYPICAL FLOOR DRAIN W/ TRAP PRIMER & VENT
MP933 NTS



6 TYPICAL TRAP PRIMER & WATER HAMMER ARRESTOR
MP934 NTS

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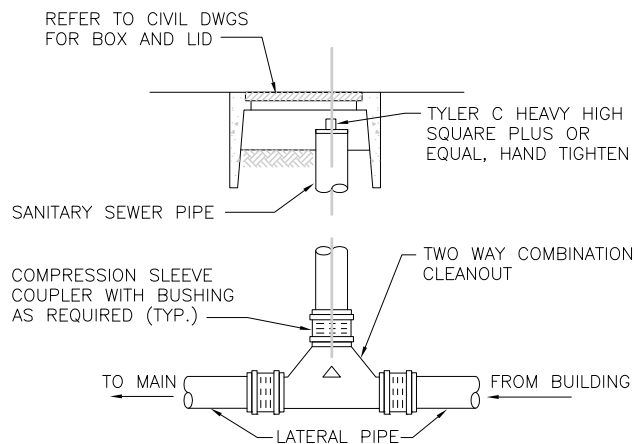


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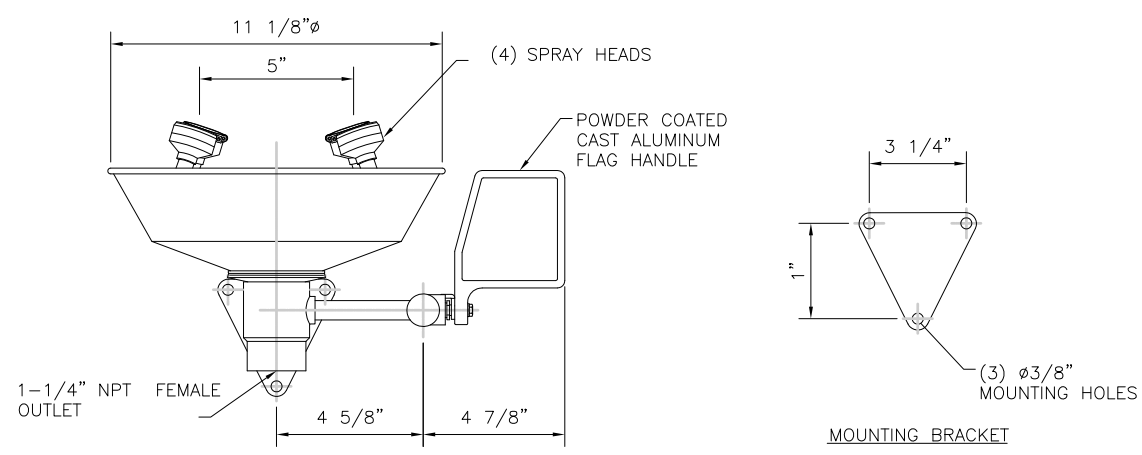


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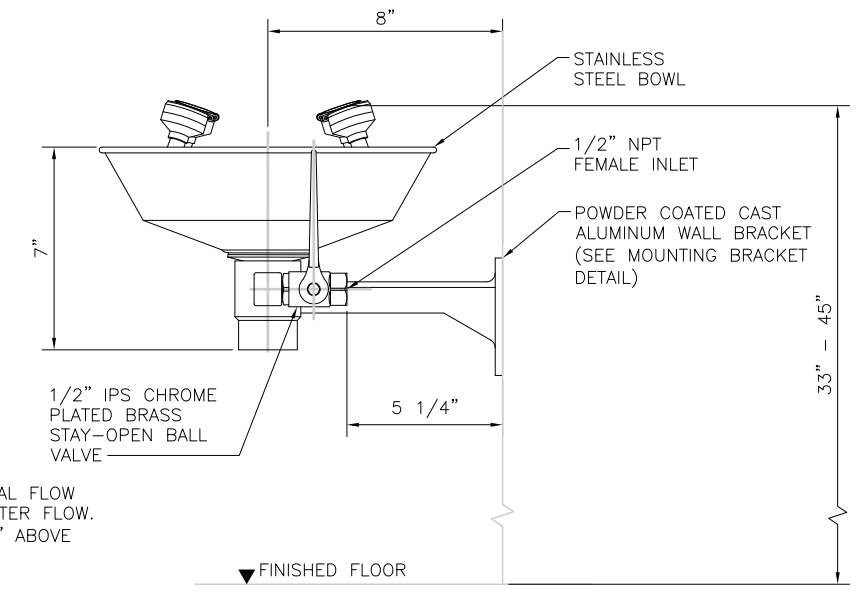
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT PLUMBING TYPICAL DETAILS SHEET 3 OF 4			SHEET OF DRAWING NO. MP933 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	



1 EXTERIOR TWO WAY CLEANOUT
MP934 NTS

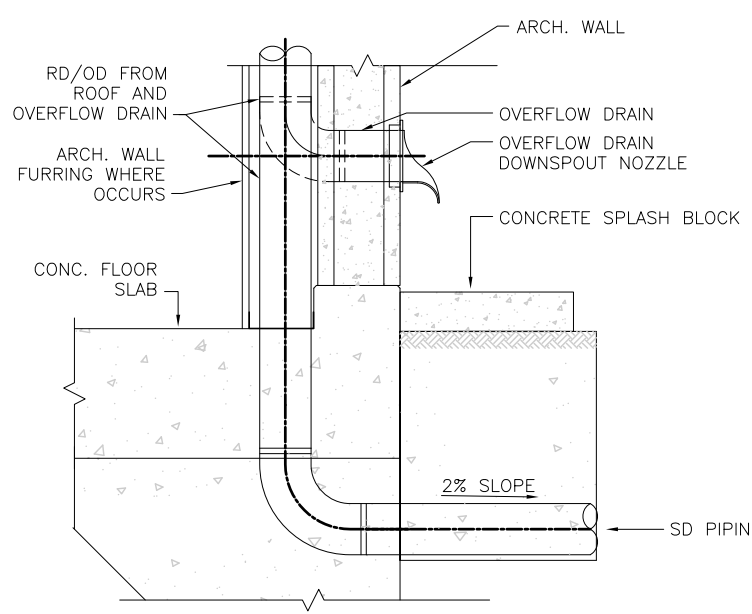


NOTES:
 1. EACH SPRAY HEAD HAS A "FLIP-TOP" DUST COVER, INTERNAL FLOW CONTROL AND FILTER TO REMOVE IMPURITIES FROM THE WATER FLOW.
 2. UNIT SHOULD BE INSTALLED SO SPRAY HEADS ARE 33"-45" ABOVE FINISHED FLOOR.



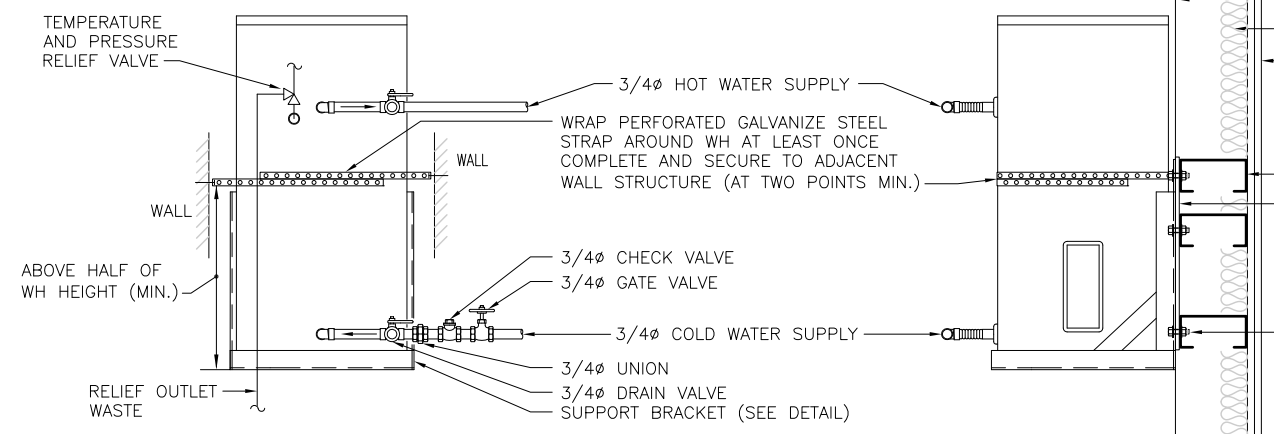
5 CONDENSATE DRAIN DRYWELL DETAIL
MP934 NTS

2 EMERGENCY EYE AND FACE WASH DETAIL
MP934 NTS

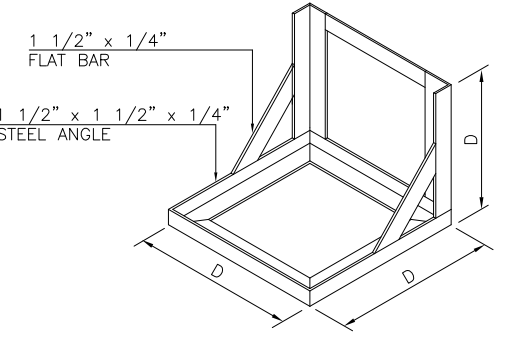


NOTE:
 1. REFER TO ARCHITECTURAL DRAWING FOR WALL FIRE RATING.

3 ROOF AND OVERFLOW DRAIN RISER DETAIL
MP934 NTS



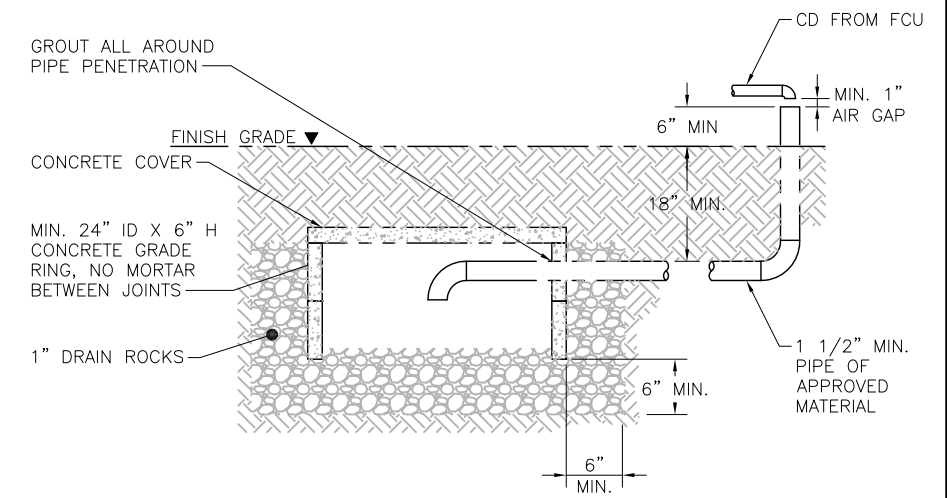
NOTE: 1. WATER HEATER INSTALLATION SHALL COMPLY WITH THE LATEST APPLICABLE CODES AND STANDARDS.
 2. REFER TO ARCHITECTURAL DWGS. FOR WALL TYPE AND DETAIL.



NOTE: D - DIMENSIONS TO FIT ACTUAL SIZE OF ELECTRIC WATER HEATER PURCHASED AND 2" HIGH SECONDARY STAINLESS STEEL TYPE 316 DRAIN PAN

WH SUPPORT BRACKET

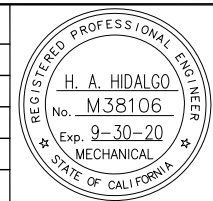
4 TYPICAL ELECTRICAL HOT WATER HEATER INSTALLATION
MP934 NTS



5 CONDENSATE DRAIN DRYWELL DETAIL
MP934 NTS

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ABBREVIATIONS	
∅	DIAMETER
CBC	CALIFORNIA BUILDING CODE
CFC	CALIFORNIA FIRE CODE
CPC	CALIFORNIA PLUBING CODE
DSP	DRY STANDPIPE
FDC	FIRE DEPARTMENT CONNECTION
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET/FIRE HOSE CONNECTION
FP	FIRE PROTECTION
(E)	EXISTING
GPM	GALLONS PER MINUTE
(N)	NEW
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
OS&Y	OUTSIDE SCREW & YOKE
PSIG	POUNDS PER SQUARE INCH, GAGE
SQ.FT.	SQUARE FEET
VTA	VALLEY TRANSIT AUTHORITY

DESIGN CRITERIA	
1.	PROVIDE MANUAL DRY TYPE STANDPIPE SYSTEM WITH FIRE HOSE CONNECTION AT PASSENGER PLATFORM LEVEL PER NFPA 130.
2.	PROVIDE FIRE DEPARTMENT CONNECTION AT GROUND FLOOR LOCATED AT LEAST LESS THAN 100 FT. FROM NEW FIRE HYDRANT.
3.	PROVIDE CLASS I FIRE HOSE CONNECTION AT PASSENGER PLATFORM LEVEL PER NFPA 14.

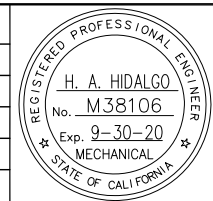
LEGEND	
	SECTION/DETAIL IDENTIFICATION NUMBER
	SHEET NUMBER(S) FROM WHICH SECTION/DETAIL IS TAKEN
	NEW WORK KEYNOTE NUMBER
	DEMOLITION KEYNOTE NUMBER
	SUPERVISORY SWITCH
	WATER FLOW SWITCH
	OS&Y (OUTSIDE SCREW & YOKE) GATE VALVE W/ SUPERVISORY SWITCH
	ANGLE VALVE
	CHECK VALVE
	FDC/TWO-WAY FIRE DEPARTMENT CONNECTION
	DRY STANDPIPE
	FHC/FIRE HOSE CONNECTION
	PRESSURE GAUGE
	REDUCER
	AIR RELEASE VALVE
	POINT OF CONNECTION
	AREA OF WORK

GENERAL NOTES	
1.	THE INTENT OF THIS DRAWING IS TO DEFINE THE FIRE PROTECTION DESIGN CRITERIA AND DOCUMENT THE AVAILABLE WATER SUPPLY FOR THE NEW STORY STATION AND EASTRIDGE STATION.
2.	THE FOLLOWING CODES AND STANDARDS ARE APPLICABLE FOR THIS PROJECT: <ul style="list-style-type: none"> A. CALIFORNIA BUILDING CODE – 2017 EDITION B. CALIFORNIA FIRE CODE – 2017 EDITION C. SANTA CLARA COUNTY FIRE PROTECTION DISTRICT AMENDMENTS TO CODES AND LOCALLY ENFORCED POLICIES D. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS: <ul style="list-style-type: none"> • NFPA 13 EDITION 2017 • NFPA 14 EDITION 2017 • NFPA 130 EDITION 2017
3.	CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD COORDINATION AND ROUTING TO AVOID OBSTRUCTION AND TO INSTALL BRACING IN ACCORDANCE WITH NFPA 14. ALL HANGERS AND EARTHQUAKE BRACING SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 13.
4.	CONTRACTOR SHALL MAINTAIN A COMPLETE SET OF DRAWINGS AT THE JOB SITE FOR USE IN MAKING "AS-BUILT DRAWINGS" ANY REVISIONS SHALL BE NOTED THEREON AND SUBMITTED TO THE VTA AT THE COMPLETION OF THE JOB. CONTRACTOR SHALL USE THE "AS-BUILT DRAWINGS" TO PROVIDE A REPRODUCIBLE RECORD SET OF THE COMPLETED SYSTEM AND SUBMIT THE RECORD SET TO THE VTA FOR REVIEW AND APPROVAL.
5.	PIPE 2 1/2" IN DIAMETER AND LARGER TO BE SCHEDULE 40, SPRINKLER PIPE WITH GROOVED ENDS AND GROOVED FITTINGS. PIPE 2" IN DIAMETER AND SMALLER TO BE SCHEDULE 40 PIPE WITH THREADED ENDS AND THREADED FITTINGS.
6.	SEE CIVIL PLANS FOR UNDERGROUND INFORMATION. BACKFLOW PREVENTER VALVES, STANDPIPE CONTROL VALVES AND WATERFLOW SWITCH SHALL BE MONITORED BY THE FIRE ALARM SYSTEM. THE DEVICES SHALL BE INSTALLED BY THE FIRE PROTECTION CONTRACTOR AND WIRED BY THE FIRE ALARM CONTRACTOR.
7.	LONGITUDINAL BRACING SHALL BE PROVIDED AT INTERVALS NOT EXCEEDING 80'. LATERAL BRACING SHALL BE PROVIDED AT INTERVALS NOT EXCEEDING 40'. HANGERS SHALL BE INSTALLED WITHIN 4" OF BRACE.
8.	EARTHQUAKE BRACING SHALL BE INSTALLED ACCORDING TO THE REQUIREMENTS OF NFPA 13.
9.	PROVIDE HANGERS WITH ENDLINE RESTRAINT PER NFPA.
10.	PIPE HANGERS SHALL BE OF THE TYPES SHOWN AND SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13 AND THE MANUFACTURER'S LISTINGS.
11.	CHANGES OF PIPE DIRECTION SHALL BE ACCOMPLISHED BY THE USE OF FITTINGS SUITABLE FOR SPRINKLER SYSTEMS AS DEFINED BY NFPA 13 AND THE SPECIFICATIONS.
12.	ALL SYSTEM COMPONENTS SHALL BE U.L. LISTED FOR USE IN FIRE PROTECTION SYSTEMS.
13.	CONTROL VALVES SHALL BE INSTALLED AT A MAX. HEIGHT OF 7'-0" ABOVE FINISHED FLOOR.
14.	PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE FIRESTOPPED TO MATCH THE RATING OF THE WALLS.
15.	PROVIDE PROPER ANNULAR CLEARANCE FOR PENETRATIONS THROUGH SOLID WALLS AND FLOORS, AS REQUIRED BY THE NFPA 13.

FIRE HOSE CONNECTION SCHEDULE						
EQUIP. I.D.	LOCATION	SERVICE	TYPE	INLET X OUTLET HOSE X OUTLET HOSE CONNECTION SIZES	MANUFACTURER OR EQUAL	REMARKS
				INCHES		
FHC-1	STORY STATION PLATFORM LEVEL AND EASTRIDGE STATION PLATFORM LEVEL	MANUAL DRY TYPE STANDPIPE	FREESTANDING TYPE DOUBLE OUTLET WITH NRS HOSE GATE VALVES	4 X 2 1/2 X 2 1/2	POTTER ROEMER MODEL 5866-7 OR EQUAL	SEE NOTES BELOW
NOTES: 1. FHC SHALL BE CAST BRASS BOTTOM INLET BODY WITH 18" HIGH BRASS SEAMLESS TUBING, BRASS BRANDED PLATE, CAST BRASS PLUGS AND CHAINS. ENTIRE ASSEMBLY SHALL BE POLISHED CHROME PLATED. 2. FHC SHALL BE PROVIDED WITH SERVICE LABEL "FIRE HOSE CONNECTION".						

FIRE DEPARTMENT CONNECTION SCHEDULE						
EQUIP. I.D.	LOCATION	SERVICE	TYPE	INLET X OUTLET HOSE X OUTLET HOSE CONNECTION SIZES	MANUFACTURER OR EQUAL	REMARKS
				INCHES		
FDC-1	STORY STATION GROUND LEVEL AND EASTRIDGE STATION GROUND LEVEL	MANUAL DRY TYPE STANDPIPE	FREESTANDING TYPE DOUBLE CLAPPER TWO-WAY INLET	4 X 2 1/2 X 2 1/2	CROKER FIGURE NO. 6510 OR EQUAL	SEE NOTES BELOW
NOTES: 1. FDC SHALL BE CAST BRASS BOTTOM OUTLET BODY WITH DOUBLE CLAPPERS, 18" HIGH BRASS SEAMLESS TUBING, BRASS BRANDED PLATE, CAST BRASS PLUGS AND CHAIN. ENTIRE ASSEMBLY SHALL BE POLISHED CHROME PLATED. 2. FDC SHALL BE PROVIDED WITH SERVICE LABEL "MANUAL DRY STANDPIPE".						

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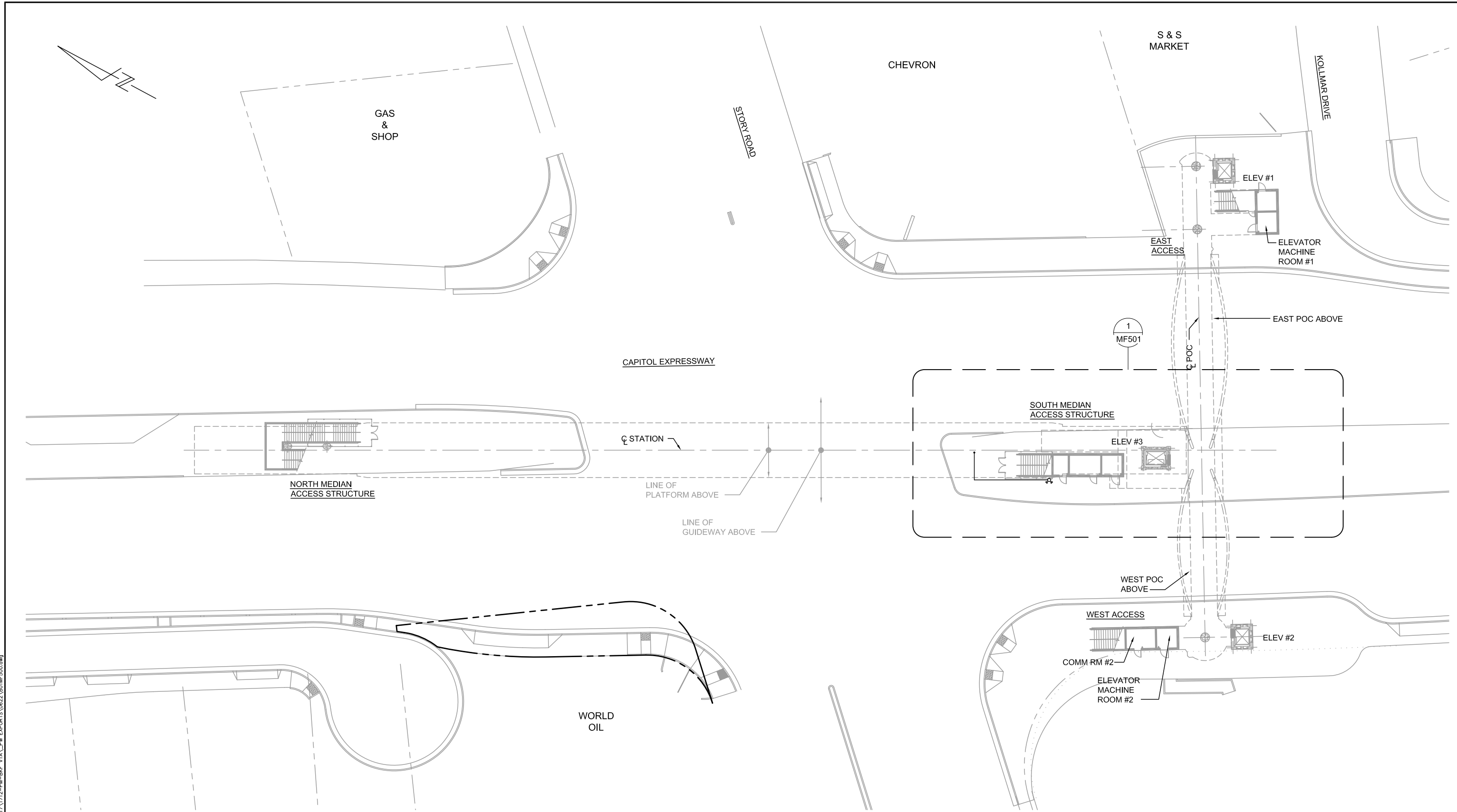


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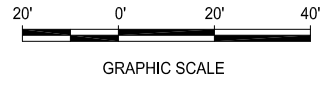
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FIRE PROTECTION GENERAL NOTES, LEGEND, ABBREVIATIONS, AND SCHEDULES		
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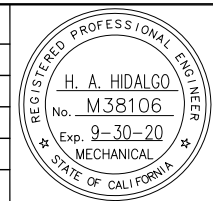
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1 FIRE PROTECTION - STORY STATION GROUND FLOOR KEY PLAN
 MF500 SCALE 1"=20'-0"



NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED	
YEI ENGINEERS	
DESIGNED	CHECKED
H. HIDALGO	P. MALLILLIN
DRAWN	CADD FILE NAME
R. HEYER	801MF500.DWG



APPROVED	
BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
11/05/18	1"=20'-0"
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT FIRE PROTECTION - STORY STATION GROUND FLOOR KEY PLAN		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

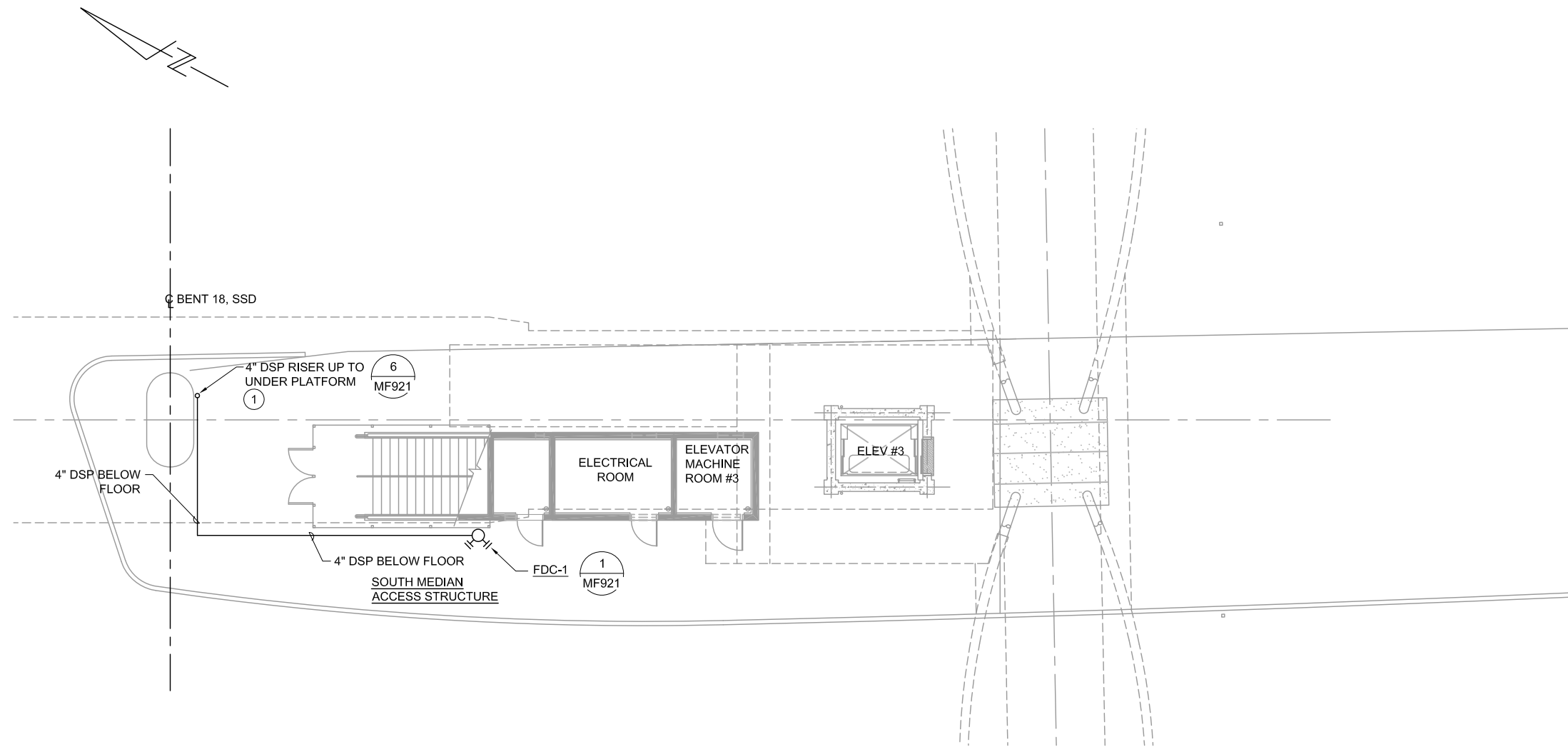
SHEET	OF
DRAWING NO.	MF500
REVISION	C

SHEET NOTES:

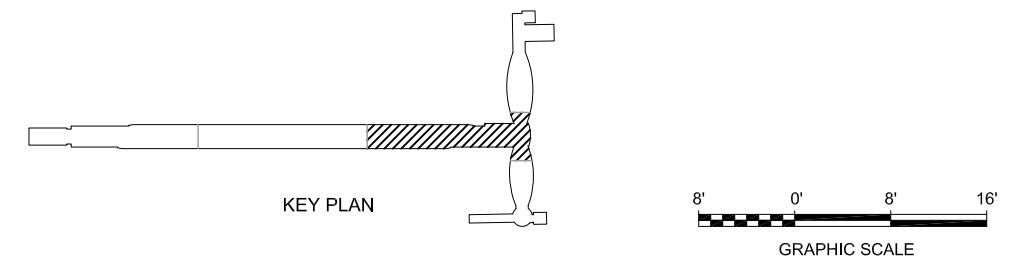
- ALL PIPING UNDERGROUND SHALL BE SUPPORTED WITH CONCRETE THRUST BLOCK PER NFPA 13.

KEY NOTES:

- SUPPORT 4" DSP RISER FROM FACE OF COLUMN. REFER TO 6/MF921 FOR PIPING RISER SUPPORT DETAIL.

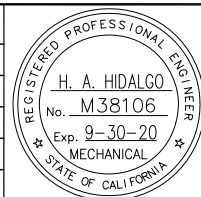


1 FIRE PROTECTION - STORY STATION GROUND FLOOR PLAN
 MF501 SCALE 1/8"=1'-0"



Revis: Jun 22, 2020 - 5:27pm F:\X_Projects\2017\172-PM-BKF_VTA_PW_EXPORTS\0622\801MF501.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED	
YEI ENGINEERS	
DESIGNED	CHECKED
H. HIDALGO	P. MALLILLIN
DRAWN	CADD FILE NAME
R. HEYER	801MF501.DWG

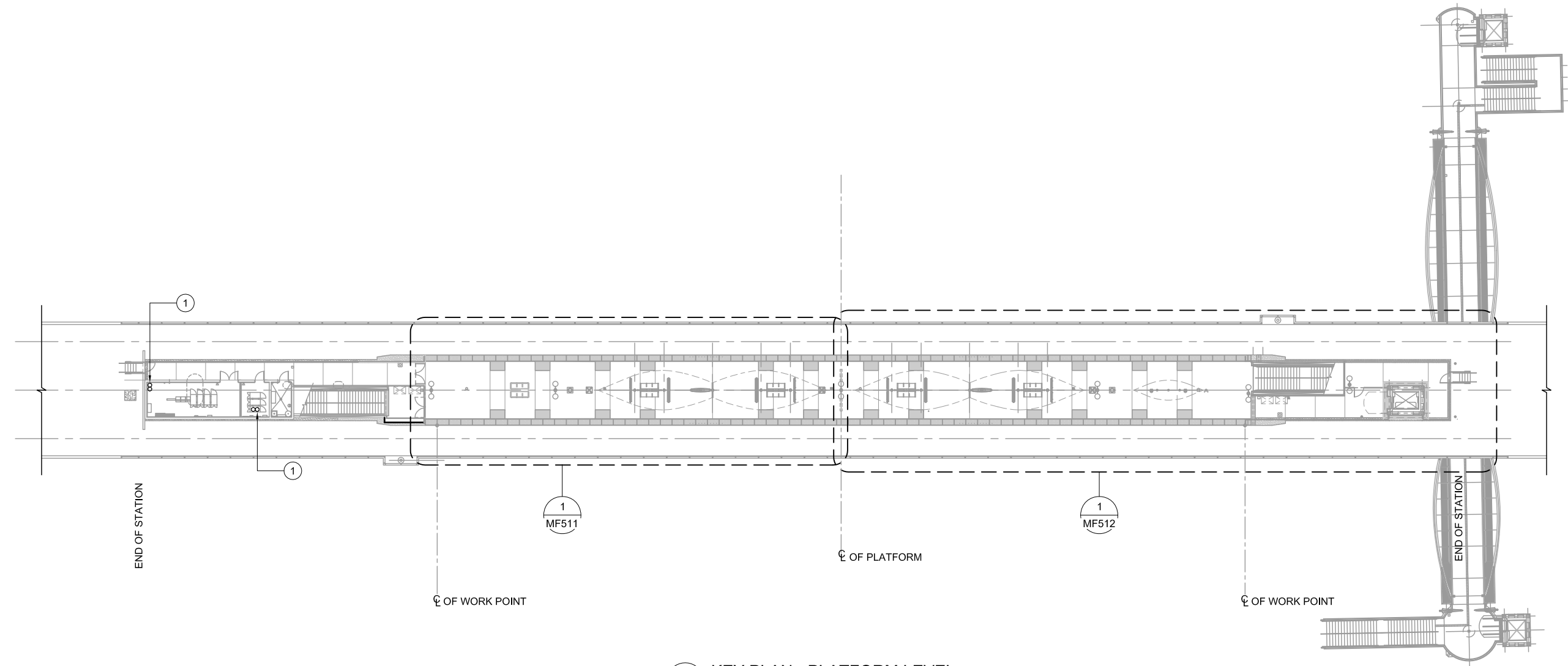
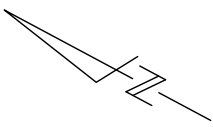


APPROVED	
BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
11/05/18	1/8" = 1'-0"
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

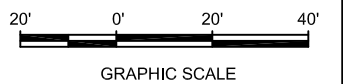
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT FIRE PROTECTION - STORY STATION GROUND FLOOR		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	MF501
REVISION	C

KEY NOTE:
 ① FUTURE LOCATION OF CLEAN AGENT FIRE EXTINGUISHING SYSTEM.

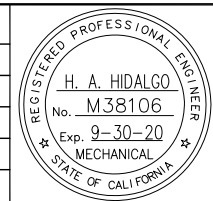


① **KEY PLAN - PLATFORM LEVEL**
 MF510 SCALE 1"=20'-0"



Root: Jun 22, 2020 - 5:27pm F:\X_Projects\2017\172-PM-BKF_VTA_PW_EXPORTS\0622\801MF510.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



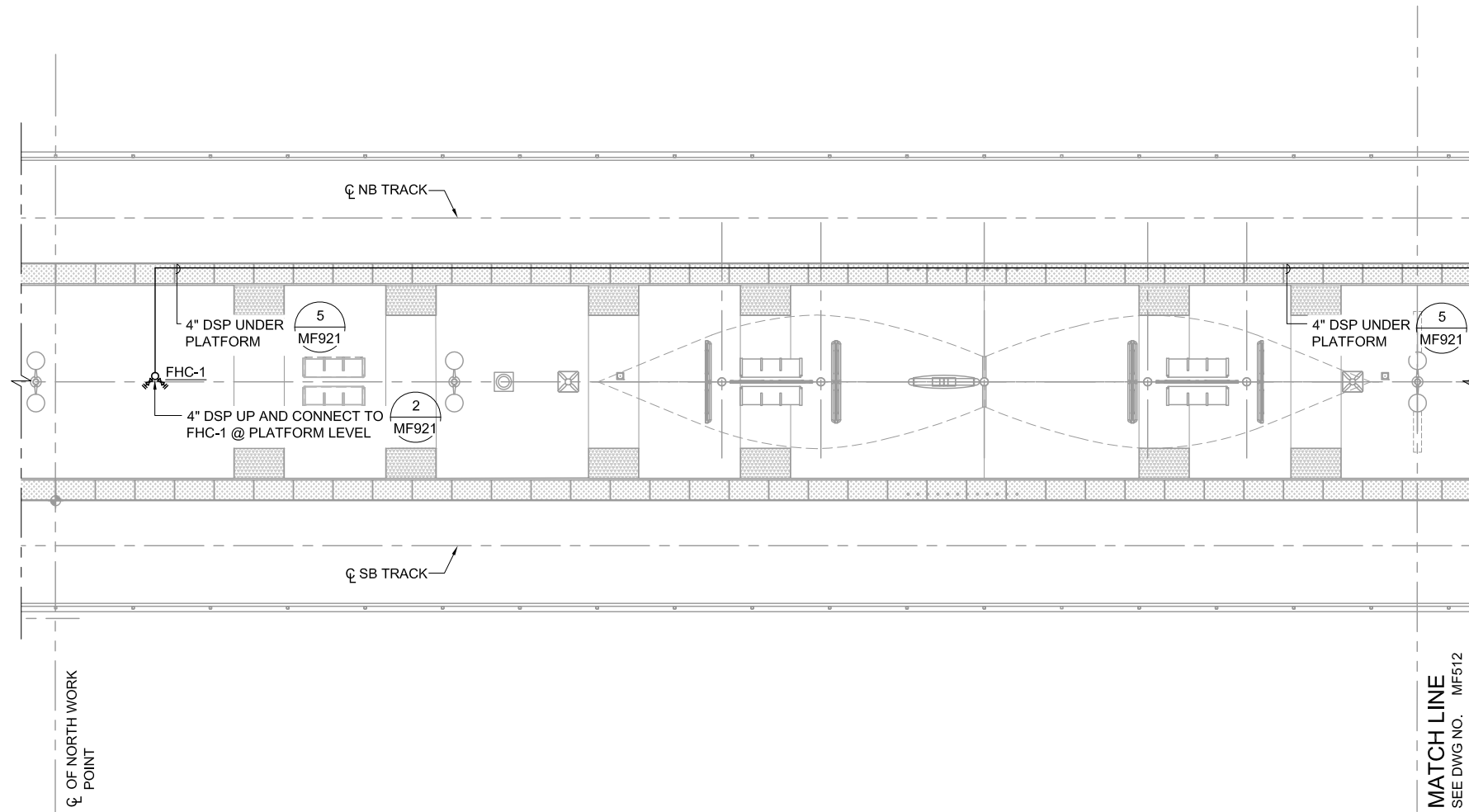
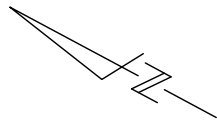
SUBMITTED	
YEI ENGINEERS	
DESIGNED	CHECKED
H. HIDALGO	P. MALLILIN
DRAWN	CADD FILE NAME
R. HEYER	801MF510.DWG



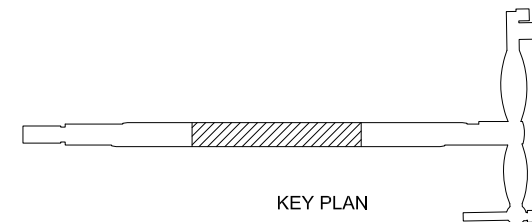
APPROVED	
BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
11/05/18	1"=20'-0"
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT FIRE PROTECTION - STORY STATION PLATFORM LEVEL KEY PLAN		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	MF510
REVISION	C

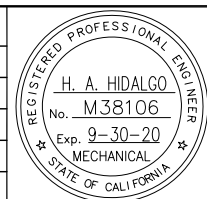


1 FIRE PROTECTION PLATFORM PLAN 2
 MF511 SCALE 1/8"=1'-0"



Revis: Jun 22, 2020 - 5:27pm F:\X_Projects\2017\172-PW-BKF_VTA_PW_EXPORTS\0622\801MF511.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



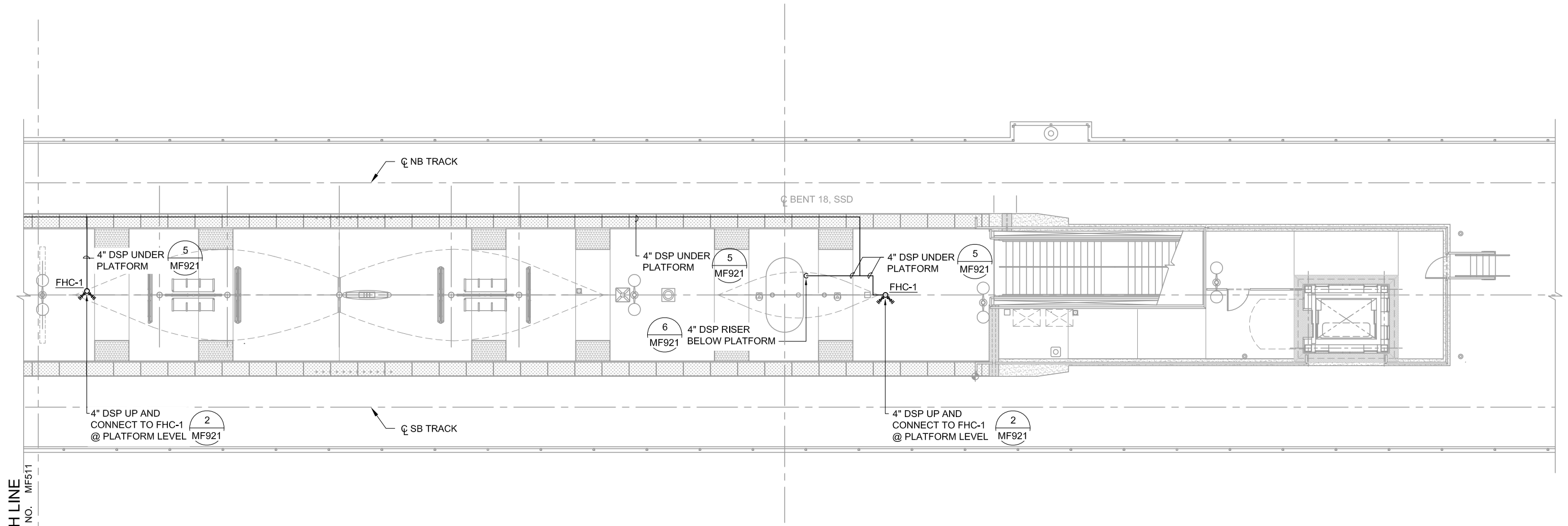
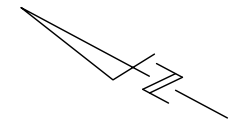
SUBMITTED	
DESIGNED	CHECKED
H. HIDALGO	P. MALLILLIN
DRAWN	CADD FILE NAME
R. HEYER	801MF511.DWG



APPROVED	
CADD FILE DATE	SCALE
11/05/18	1/8"=1'-0"
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

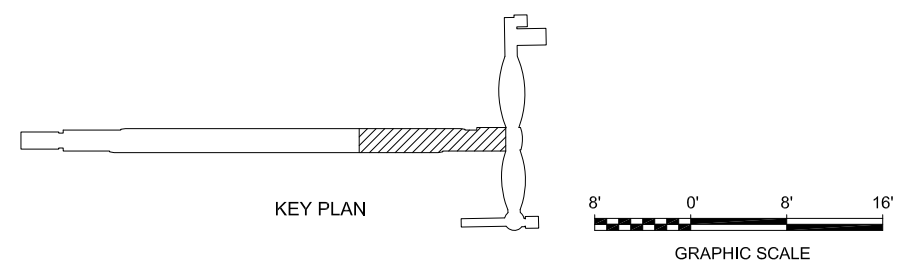
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT FIRE PROTECTION - STORY STATION PLATFORM LEVEL SHEET 1 OF 2		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	MF511
REVISION	C



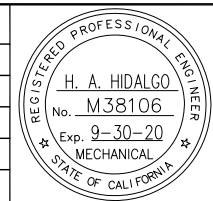
MATCH LINE
 SEE DWG NO. MF511

1 FIRE PROTECTION PLATFORM PLAN 3
 MF512 SCALE 1/8"=1'-0"



Revis: Jun 22, 2020 - 5:27pm F:\X_Projects\2017\1712-PM-BKF_VTA_PW_EXPORTS\0622\801MF512.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



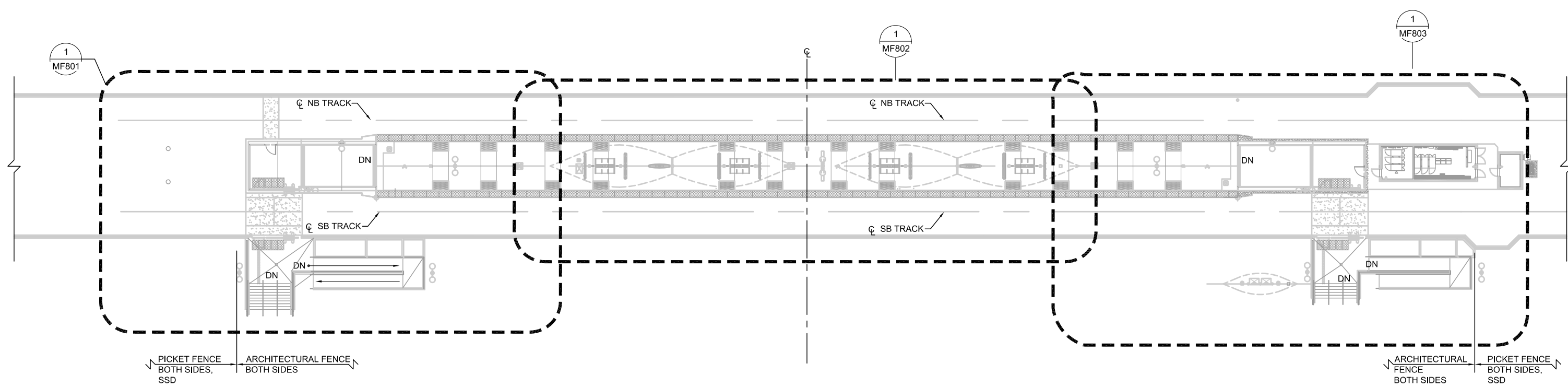
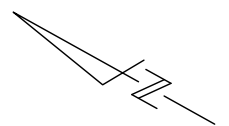
SUBMITTED	
YEI ENGINEERS	
DESIGNED	CHECKED
H. HIDALGO	P. MALLILLIN
DRAWN	CADD FILE NAME
R. HEYER	801MF512.DWG



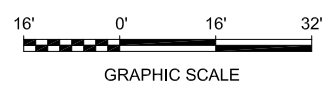
APPROVED	
BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
11/05/18	1/8"=1'-0"
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT FIRE PROTECTION - STORY STATION PLATFORM LEVEL SHEET 2 OF 2		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	MF512
REVISION	C

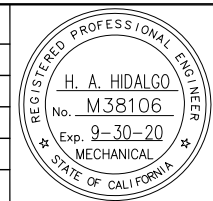


1
MF800 KEY PLAN
SCALE 1/16"=1'-0"



Revised: Jun 22, 2020 - 5:27pm F:\X_Projects\2017\172-PM-BKF_VTA_PW_EXPORTS\0622\801MF800.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



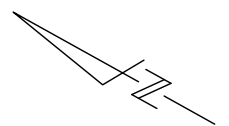
SUBMITTED	
YEI ENGINEERS	
DESIGNED	CHECKED
H. HIDALGO	P. MALLILLIN
DRAWN	CADD FILE NAME
P. WINGERD	801MF800.DWG



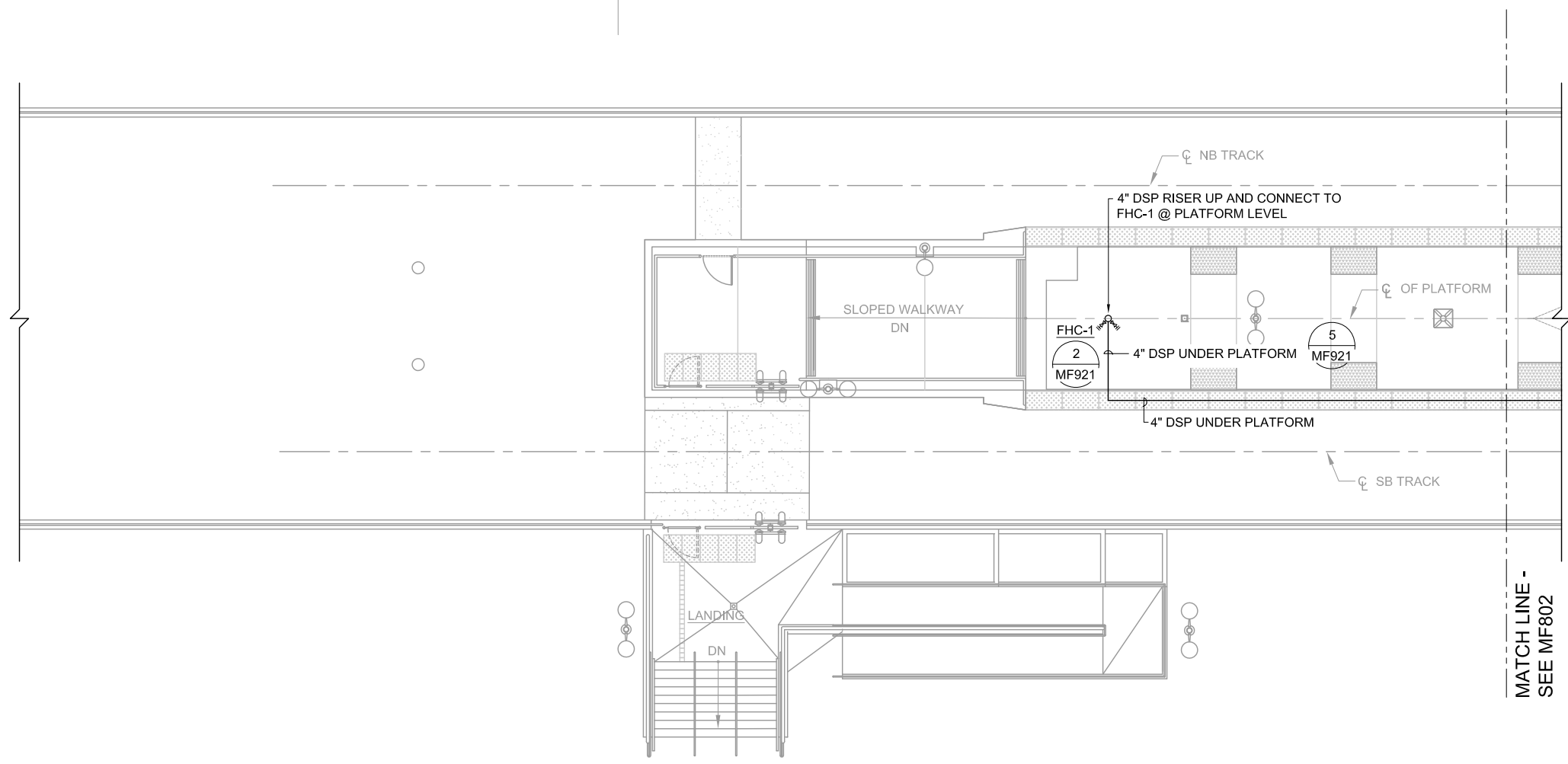
APPROVED	
BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
11/05/18	1/16"=1'-0"
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT FIRE PROTECTION - EASTRIDGE STATION KEY PLAN		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

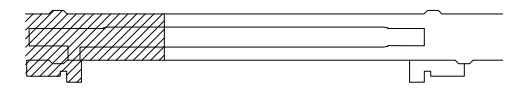
SHEET	OF
DRAWING NO.	MF800
REVISION	B



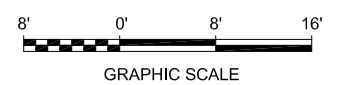
PICKET FENCE ON BOTH SIDES OF RETAINING WALL
 ARCHITECTURAL FENCE ON BOTH SIDES OF RETAINING WALL



1 PLATFORM PLAN 1
 MF801 SCALE 1/8"=1'-0"

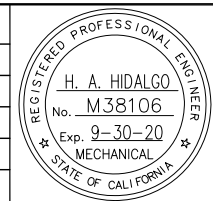


KEY PLAN



Revised: Jun 22, 2020 - 5:27pm F:\X_Projects\2017\1712-PM-BKF_VTA_PW_EXPORTS\0622\801MF801.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



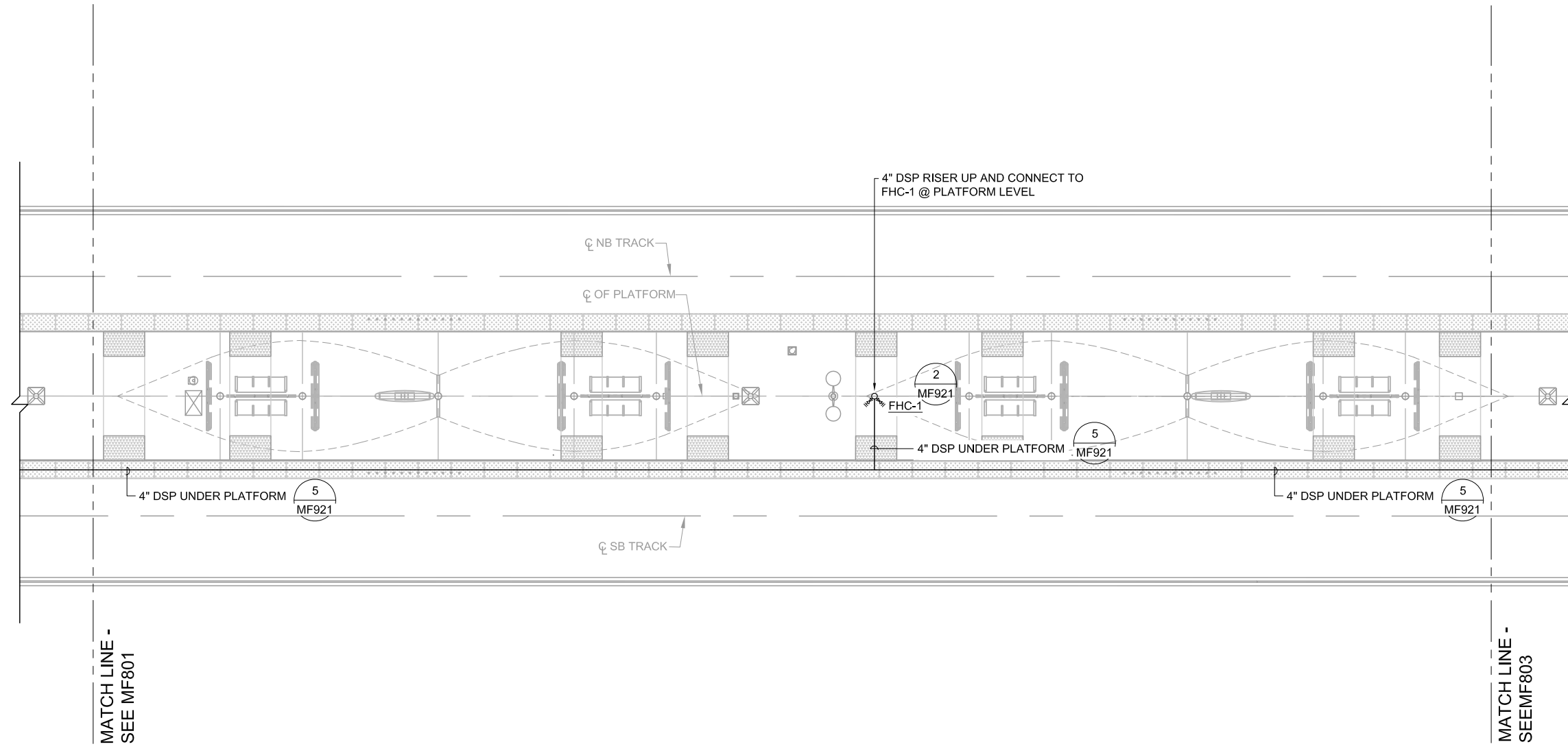
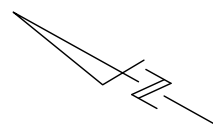
DESIGNED H. HIDALGO		CHECKED P. MALLILLIN	
DRAWN P. WINGERD		CADD FILE NAME 801MF801.DWG	



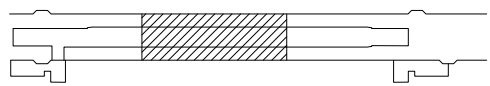
APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 11/05/18	SCALE 1/8"=1'-0"
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT FIRE PROTECTION - EASTRIDGE STATION PLATFORM PLAN 1 SHEET 1 OF 3		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

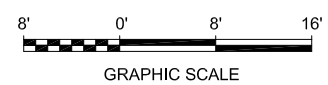
SHEET OF	DRAWING NO. MF801
REVISION	B



1 PLATFORM PLAN 2
MF802 SCALE 1/8"=1'-0"



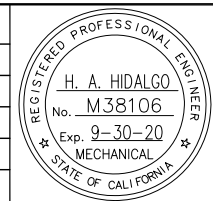
KEY PLAN



GRAPHIC SCALE

Revis: Jun 22, 2020 - 5:27pm F:\X_Projects\2017\1712-PM-BKF_VTA_PW_EXPORTS\0622\801MF802.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



DESIGNED H. HIDALGO		CHECKED P. MALLILLIN	
DRAWN P. WINGERD		CADD FILE NAME 801MF802.DWG	



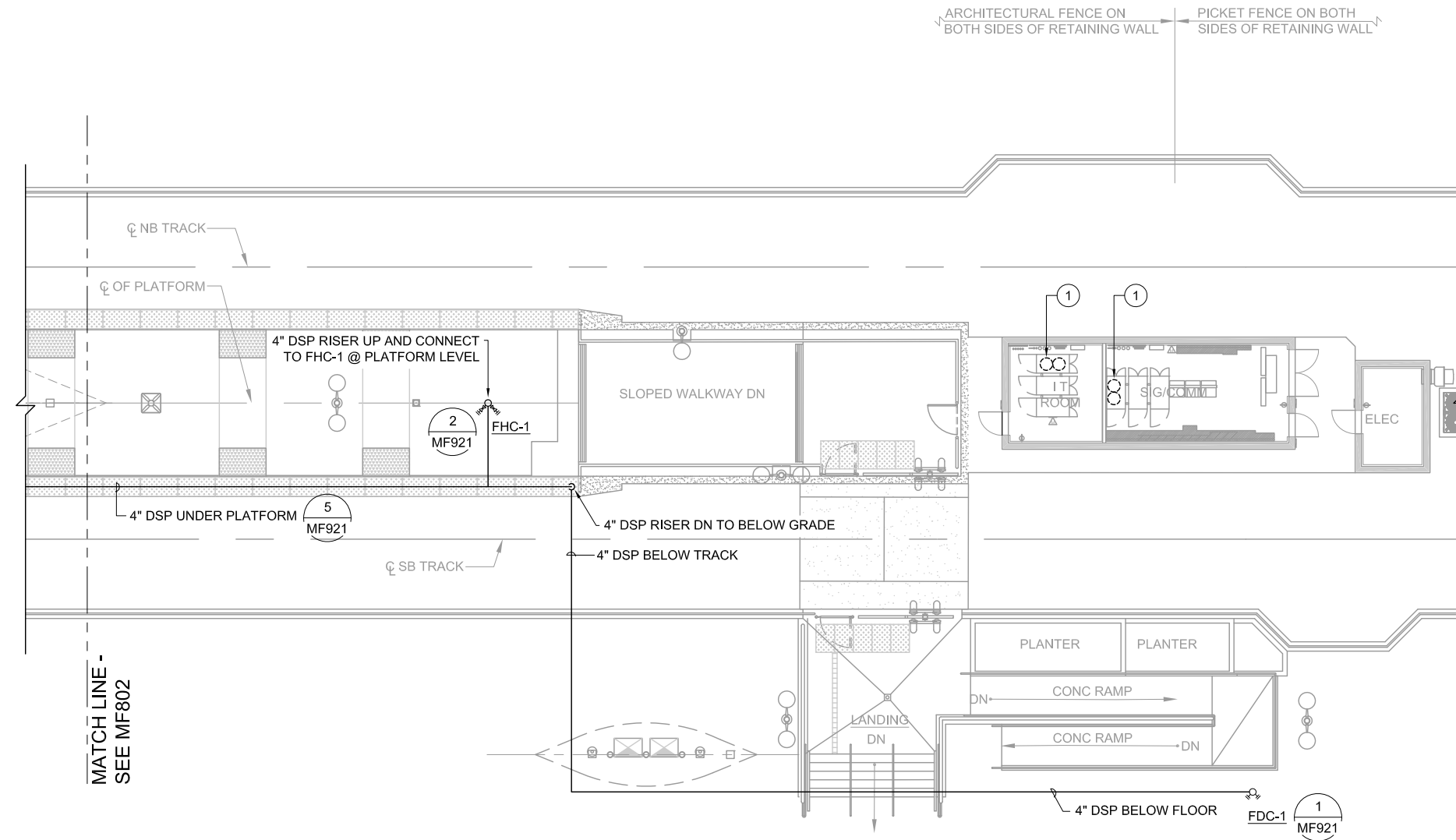
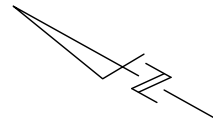
APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 11/05/18	SCALE 1/8"=1'-0"
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT FIRE PROTECTION - EASTRIDGE STATION PLATFORM PLAN 2 SHEET 2 OF 3		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. MF802
REVISION	B

KEY NOTE:

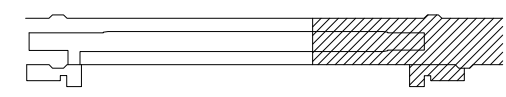
① FUTURE LOCATION OF CLEAN AGENT FIRE EXTINGUISHING SYSTEM.



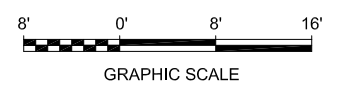
MATCH LINE -
SEE MF802

ARCHITECTURAL FENCE ON BOTH SIDES OF RETAINING WALL
PICKET FENCE ON BOTH SIDES OF RETAINING WALL

① **PLATFORM PLAN 3**
SCALE 1/8"=1'-0"

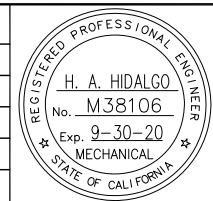


KEY PLAN



Rose Jun 23, 2020 - 11:34am F:\V_Projects\2017\1712-FM-BKF VTA\PW_EXPORTS\0622\001MF803.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



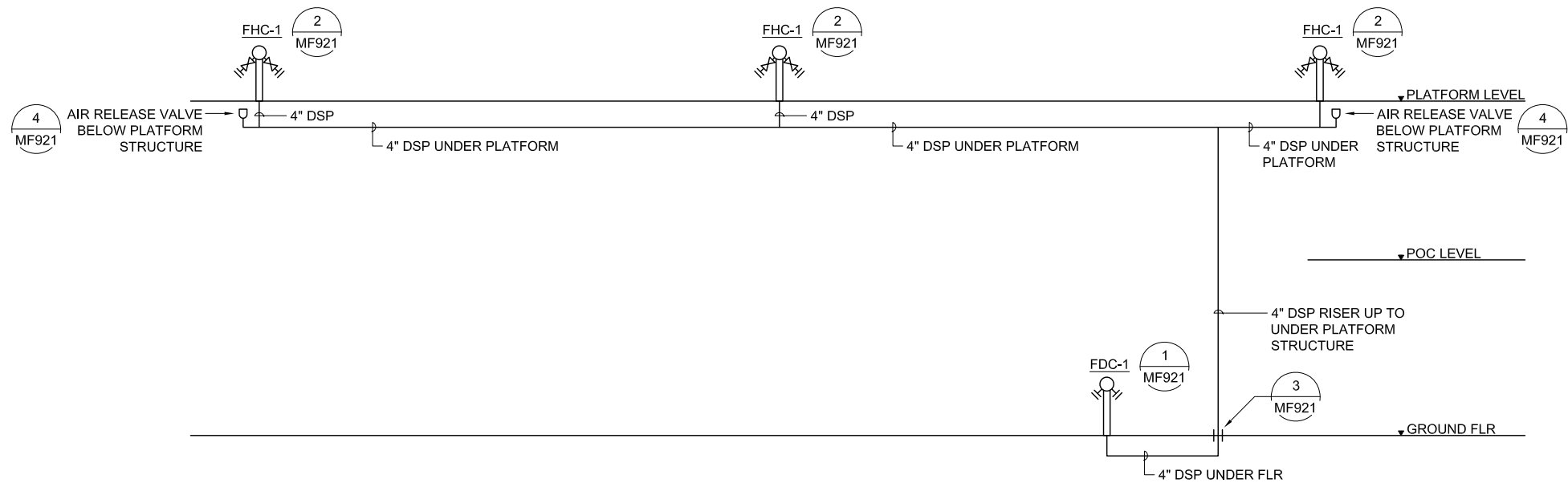
DESIGNED H. HIDALGO		CHECKED P. MALLILLIN	
DRAWN P. WINGERD		CADD FILE NAME 801MF803.DWG	



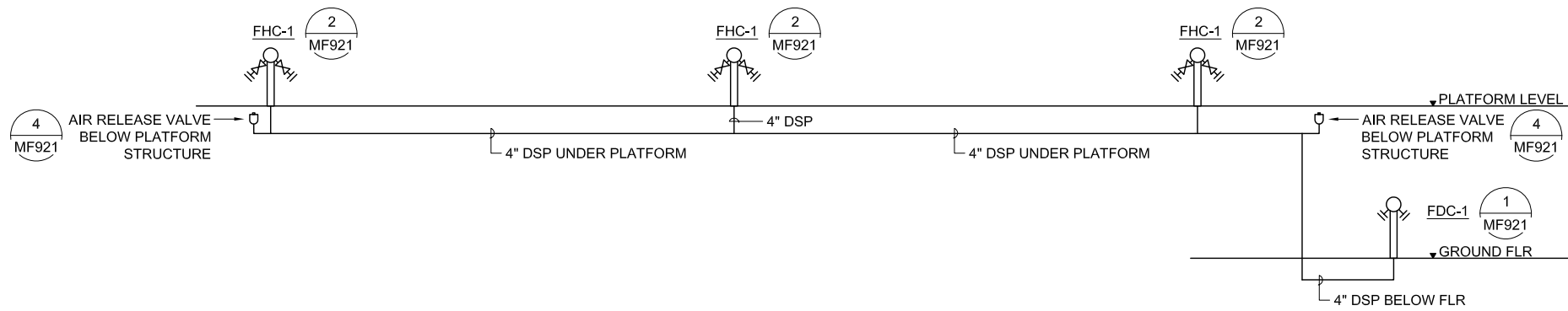
APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 11/05/18	SCALE 1/8"=1'-0"
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT FIRE PROTECTION - EASTRIDGE STATION PLATFORM PLAN 3 SHEET 3 OF 3		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. MF803
REVISION	C



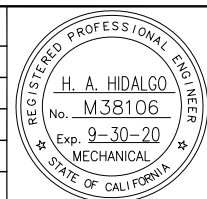
1 MANUAL DRY TYPE STANDPIPE PIPING DIAGRAM - STORY STATION
 MF911 NTS



2 MANUAL DRY TYPE STANDPIPE PIPING DIAGRAM - EASTRIDGE STATION
 MF911 NTS

Rose Jun 23, 2020 - 11:36am F:\V_Projects\2017\1712-FM-BKF_VTA\FW_EXPORTS\0622_801MF911.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



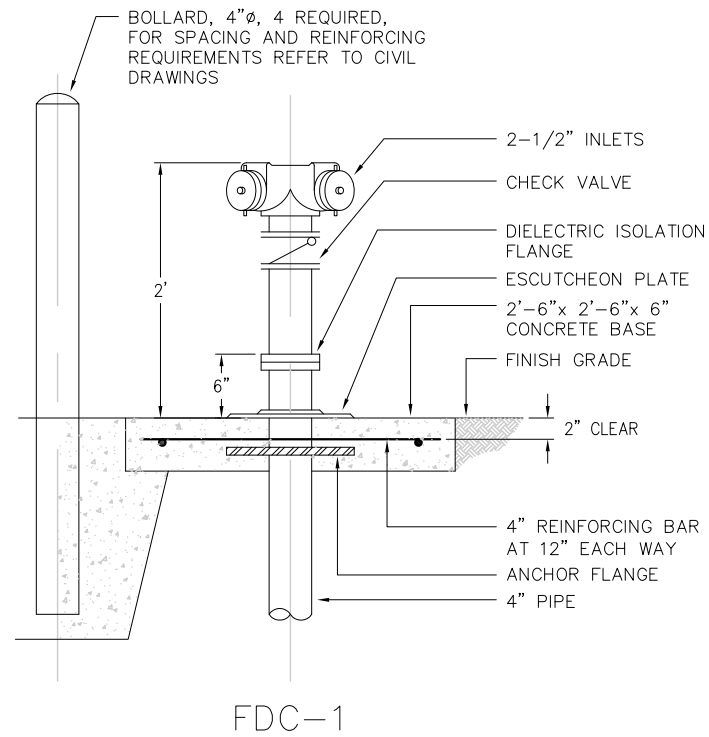
SUBMITTED	
YEI ENGINEERS	
DESIGNED	CHECKED
H. HIDALGO	P. MALLILLIN
DRAWN	CADD FILE NAME
R. HEYER	801MF911.DWG



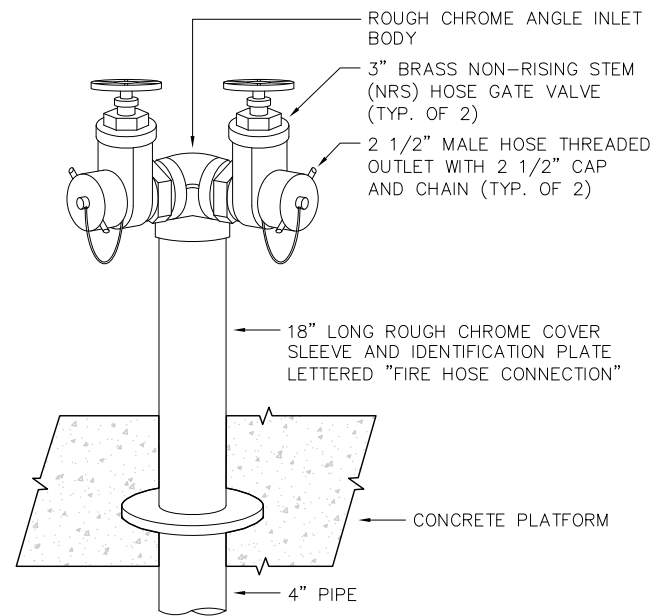
APPROVED	
BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
11/05/18	NTS
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT FIRE PROTECTION PIPING DIAGRAMS		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

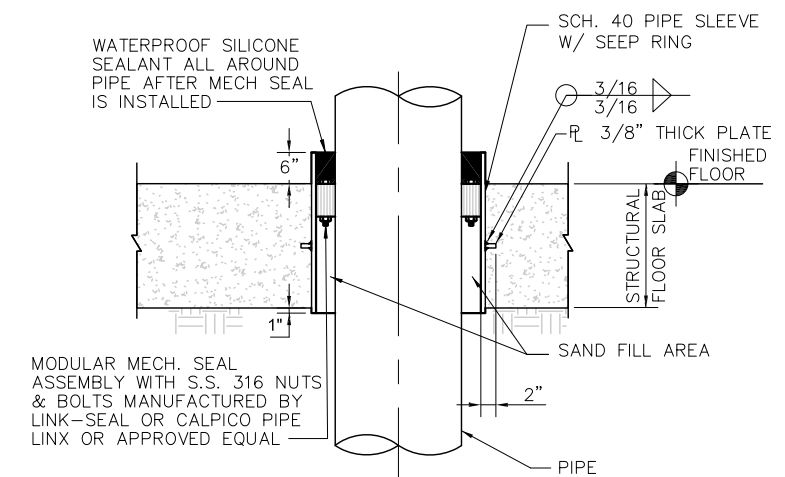
SHEET	OF
DRAWING NO.	MF911
REVISION	B



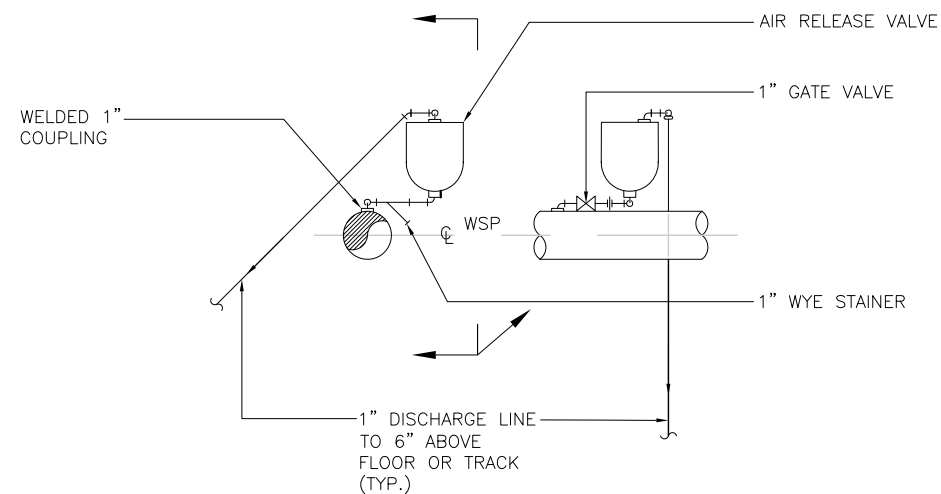
1 FIRE DEPARTMENT CONNECTION DETAIL
MF921 NTS



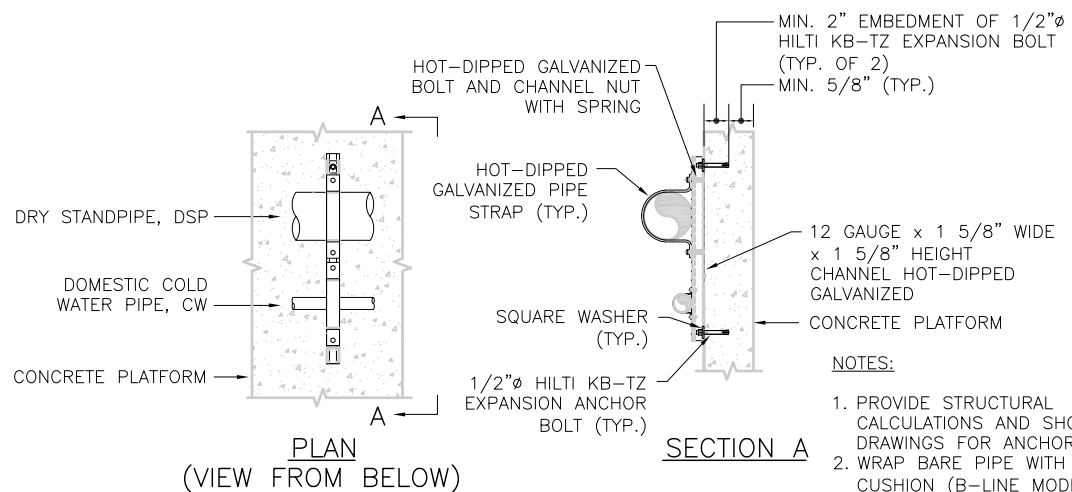
2 DRY TYPE - FIRE HOSE CONNECTION DETAIL - FHC-1
MF921 NTS



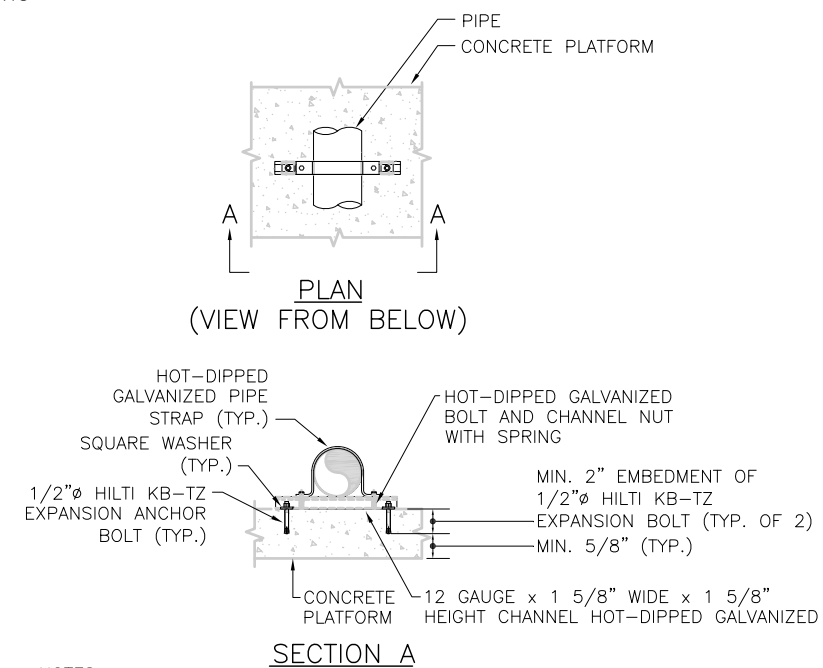
3 TYPICAL PIPING PENETRATION THROUGH FLOOR SLAB
MF921 NTS



4 AIR RELEASE VALVE ARRANGEMENT DETAIL
MF921 NTS



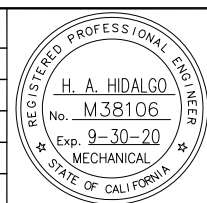
5 PIPING BELOW CONCRETE PLATFORM SUPPORT DETAIL
MF921 NTS



6 TYPICAL PIPE RISER SUPPORT DETAIL
MF921 NTS

Revised: Jun 23, 2020 - 11:34am F:\V_P\Projects\2017\1712-FM-BKF_VTA\FW_EXPORTS\0622_801MF921.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



DESIGNED H. HIDALGO		CHECKED P. MALLILLIN	
DRAWN R. HEYER		CADD FILE NAME 801MF921.DWG	



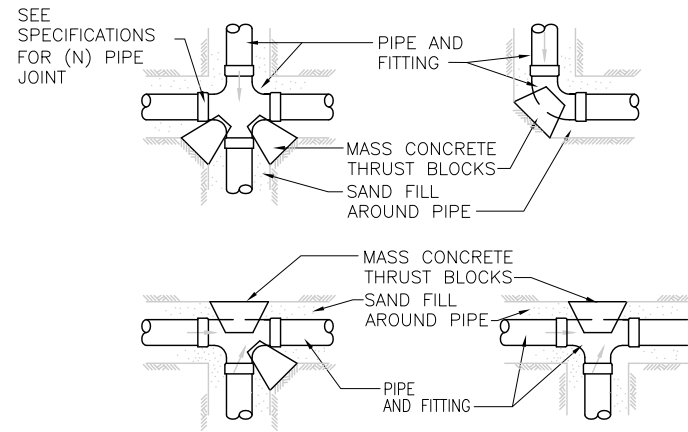
APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 11/05/18	SCALE NTS
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT FIRE PROTECTION TYPICAL DETAILS SHEET 1 OF 2		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

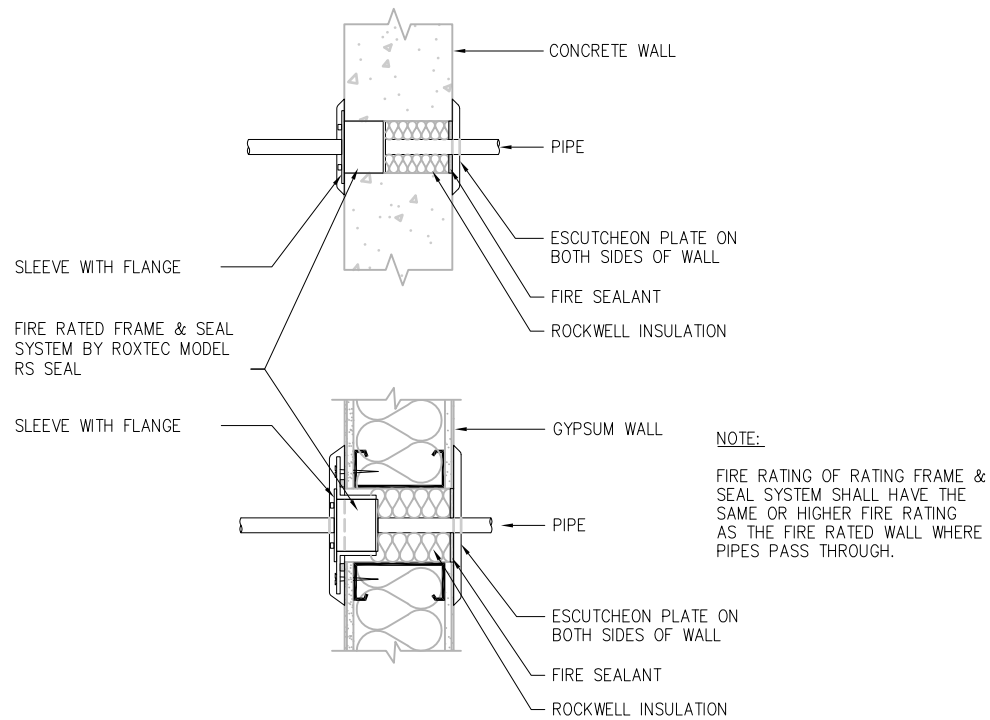
SHEET OF	DRAWING NO. MF921
REVISION	B

PIPE SIZE	BEARING AREA* OF THRUST BLKS.				
	90° ELL.-SF	45° ELL.-SF	TEES-SF	PLUG/CAP-SF	HYDRANTS-SF
4	2	2	2	2	2
6	5	3	4	4	4
8	8	5	6	6	6

* FOR PIPE LINE PRESSURES OF 200 PSI IN HARD CLAY



1 TYPICAL PIPING PENETRATION THROUGH FLOOR SLAB
MF922 NTS

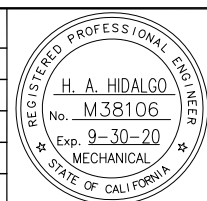


NOTE:
FIRE RATING OF RATING FRAME & SEAL SYSTEM SHALL HAVE THE SAME OR HIGHER FIRE RATING AS THE FIRE RATED WALL WHERE PIPES PASS THROUGH.

2 PIPE THRU FIRE RATED WALL FITTING DETAIL
MF922 NTS

Revised: Jun 23, 2020 - 11:36am F:\V_P\Projects\2017\1712-FM-BKF_VTA\FW_EXPORTS\0622\01MF922.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



DESIGNED H. HIDALGO		CHECKED P. MALLILLIN	
DRAWN R. HEYER		CADD FILE NAME 801MF922.DWG	



APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 11/05/18	SCALE NTS
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT FIRE PROTECTION TYPICAL DETAILS SHEET 2 OF 2		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. MF922
REVISION	B

**GENERAL NOTES
LOAD RESISTANCE FACTOR DESIGN**

DESIGN: CAPITOL EXPRESSWAY LIGHT RAIL PROJECT-STRUCTURAL DESIGN BASIS
MEMORANDUM PREPARED BY BIGGS CARDOSA ASSOCIATES, INC.
REVISION No. 7, DATED MARCH 31, 2020.

SOIL PARAMETERS: BASED ON GEOTECHNICAL REPORT BY PARIKH CONSULTANTS, INC,
DATED: APRIL, 2020.

$\gamma = 125 \text{ pcf}$

FOR SOIL PARAMETERS AND OTHERS GEOTECHNICAL INFORMATION, SEE
GEOTECHNICAL REPORT.

REINFORCED CONCRETE AT ELEVATORS:

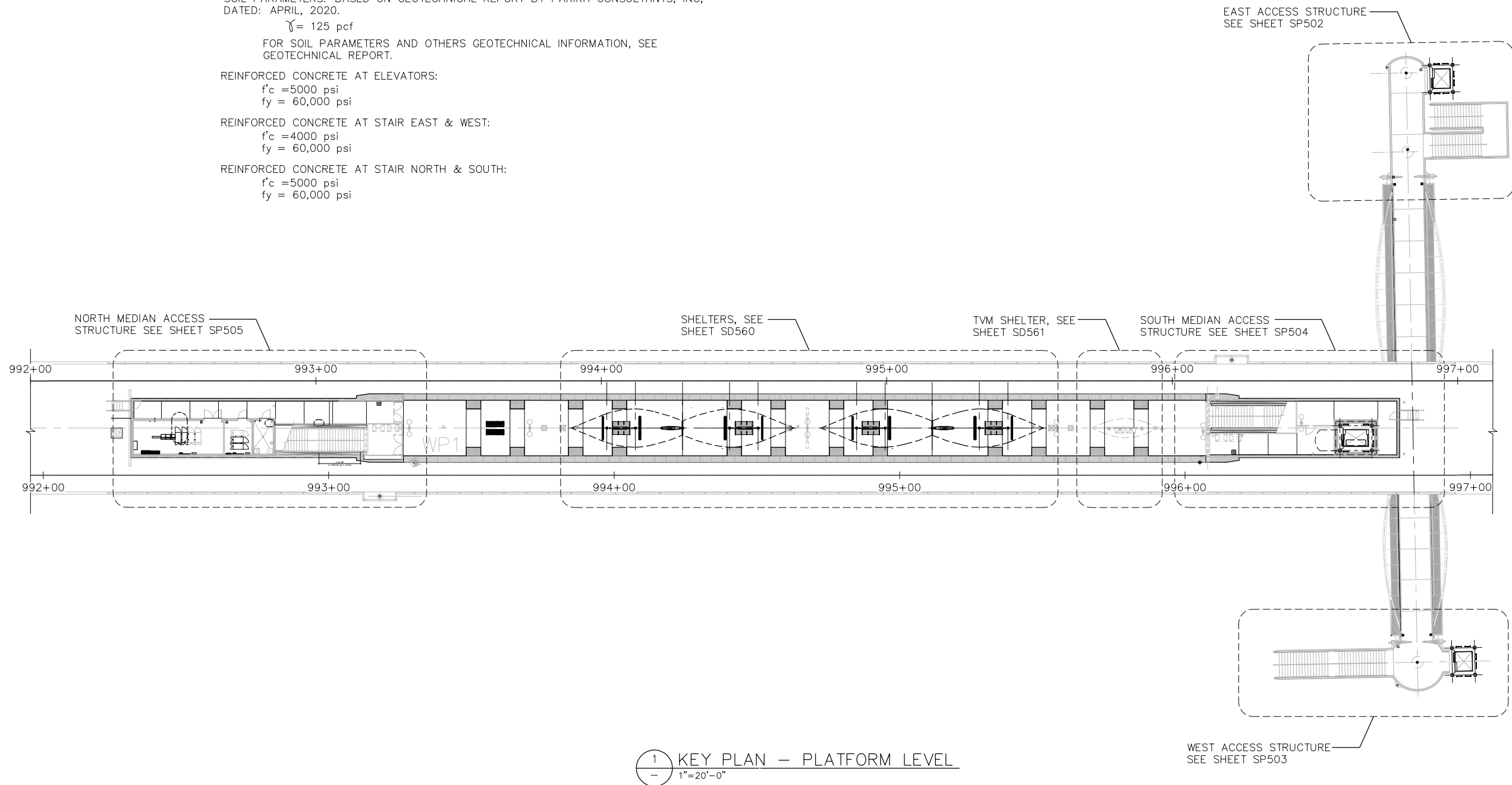
$f'_c = 5000 \text{ psi}$
 $f_y = 60,000 \text{ psi}$

REINFORCED CONCRETE AT STAIR EAST & WEST:

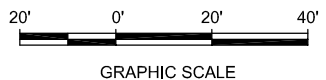
$f'_c = 4000 \text{ psi}$
 $f_y = 60,000 \text{ psi}$

REINFORCED CONCRETE AT STAIR NORTH & SOUTH:

$f'_c = 5000 \text{ psi}$
 $f_y = 60,000 \text{ psi}$

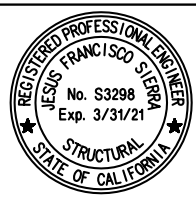


1 KEY PLAN - PLATFORM LEVEL
1" = 20'-0"



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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



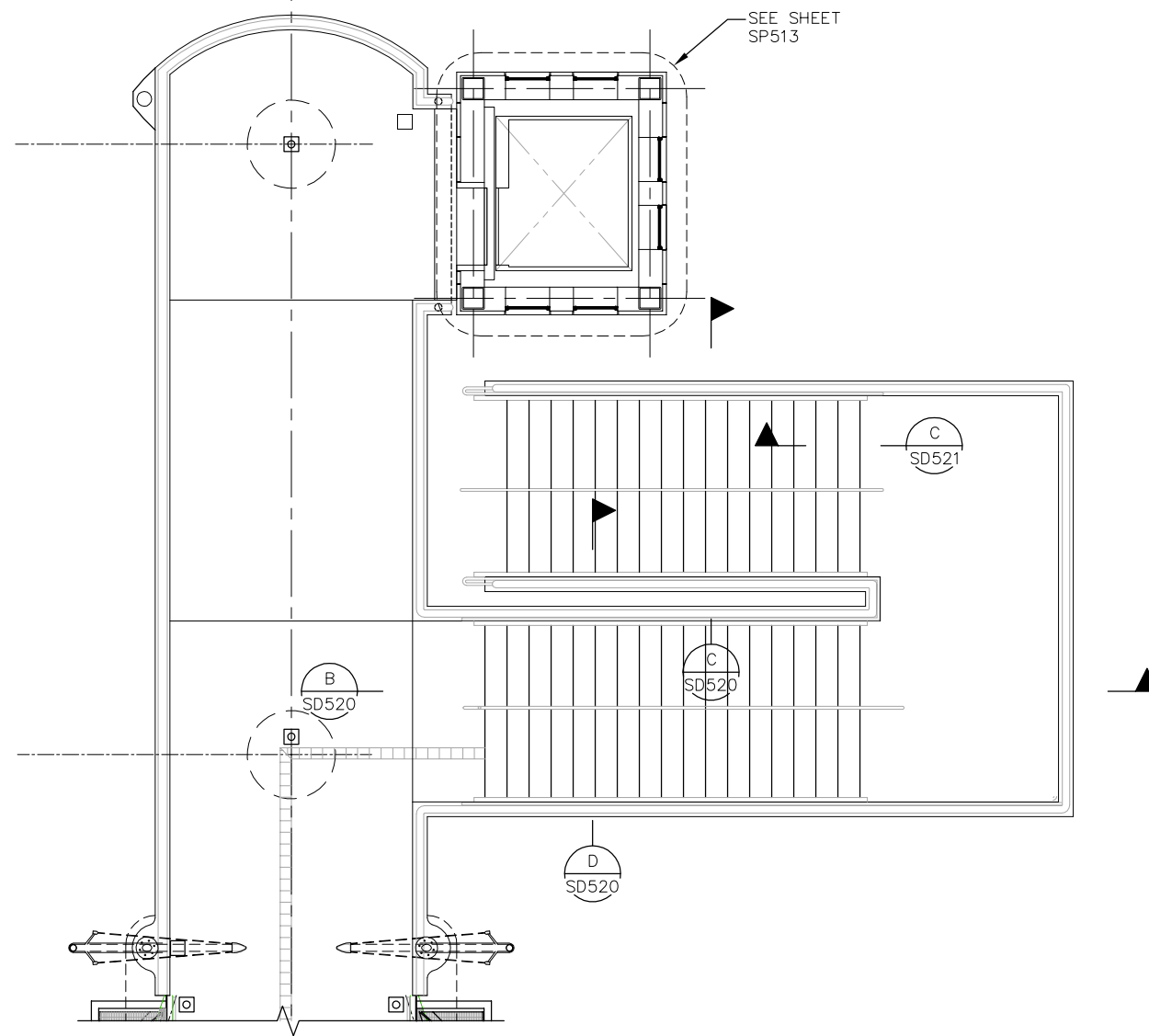
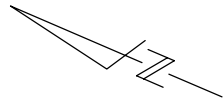
SUBMITTED	
TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED:	CHECKED:
S. CASTRO	J. SIERRA
DRAWN:	CADD FILE NAME:
H. NUALLES	801SP501.dwg



APPROVED	
CADD FILE DATE:	SCALE:
06/29/20	1"=20'-0"
SUBMITTAL DATE:	BOARD APPROVAL DATE:
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION AND ACCESS STRUCTURES ACCESS STRUCTURES GENERAL PLAN		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	SP501
REVISION	C




1 ENLARGED PLAN – EAST ACCESS, BRIDGE LEVEL PLAN
1/4"=1'-0"




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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED  SIERRA ENGINEERING GROUP		TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED:	R. MALIYAKKAL	CHECKED:	F. FRANCO
DRAWN:	H. NUALLES	CADD FILE NAME:	801SP502.dwg

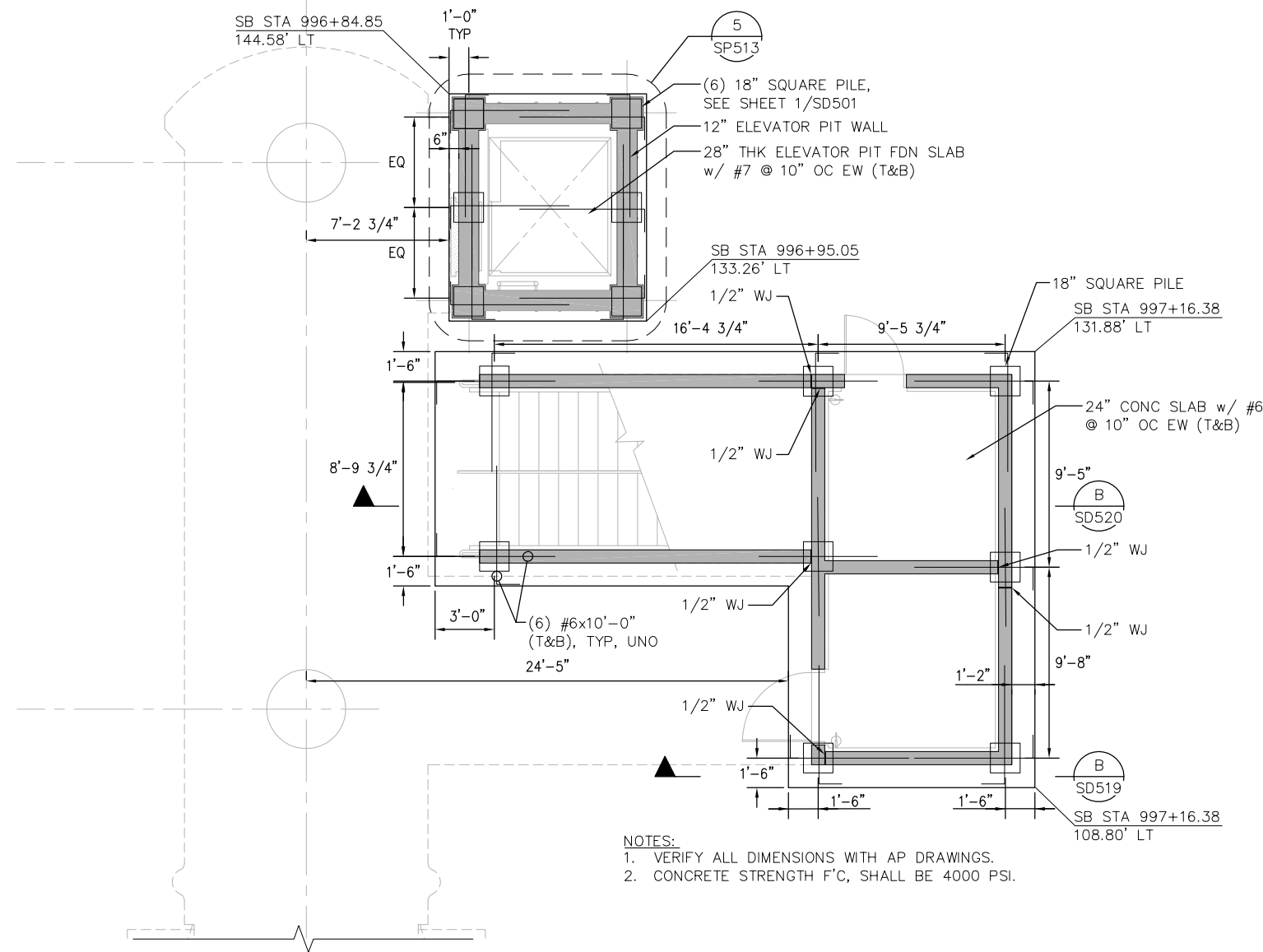


APPROVED  BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS			
CADD FILE DATE:	06/29/20	SCALE:	1/4"=1'-0"
SUBMITTAL DATE:	06/29/20	BOARD APPROVAL DATE:	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION AND ACCESS STRUCTURES EAST ACCESS STRUCTURE FRAMING PLAN			SHEET OF DRAWING NO. SP502 REVISION C
PCA NO.	000	CONTRACT NO.	C801
FILE LOCATION	PROJECTWISE		

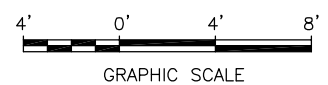
LOCATION	PILE TYPE	PILE CUT-OFF ELEV (FT)	NOMINAL RESISTANCE (KIPS)		DESIGN TIP ELEV. (i)(ii) (FT)	SPECIFIED TIP ELEV. (FT)	NOMINAL DRIVING RESISTANCE (KIPS)
			COMPRESION	TENSION			
EAST ACCESS	18" SQUARE PRECAST CONCRETE PILE	112.75	200	10	76 (a), 86 (b), 104 (c)	76	230
ELEVATOR EAST ACCESS	18" SQUARE PRECAST CONCRETE PILE	108.42	120	10	83 (a), 98 (b), 98 (c)	83	160

(i) DESIGN TIP ELEVATIONS FOR ABUTMENTS AND BENTS ARE CONTROLLED BY (a) COMPRESSION, (b) TENSION, (c) SETTLEMENT, (d) LATERAL LOAD.



NOTES:
 1. VERIFY ALL DIMENSIONS WITH AP DRAWINGS.
 2. CONCRETE STRENGTH F'C, SHALL BE 4000 PSI.

1 FOUNDATION PLAN – EAST ACCESS
 1/4"=1'-0"



Jun 22, 2020 - 12:10pm M:\SEG_ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\17_05-12-20\DWG\SUA_801SU501.dwg

NO.	DATE	REVISIONS
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B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED	R. MALIYAKKAL
CHECKED	F. FRANCO
DRAWN	H. NUALLES
CADD FILENAME	801SU501.dwg

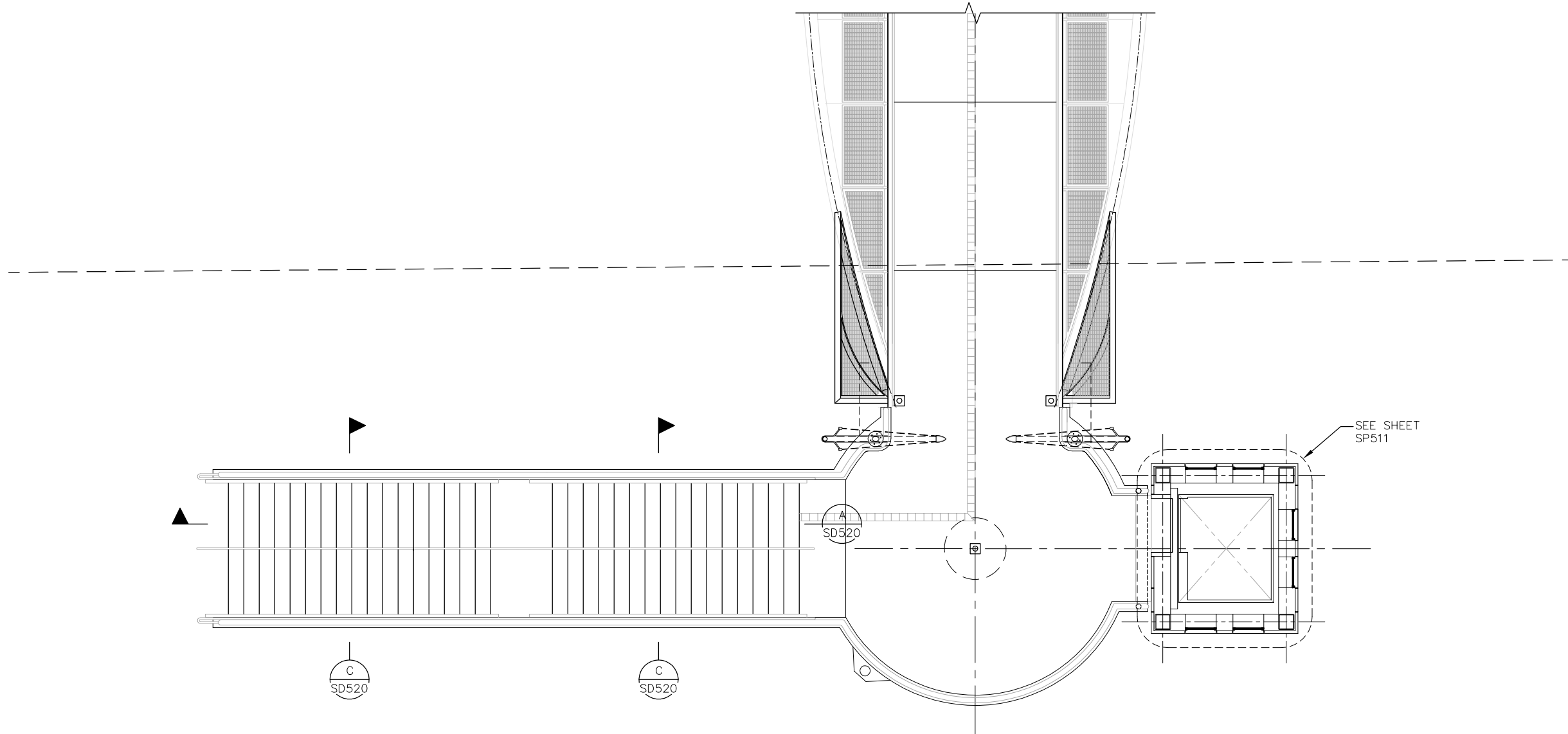
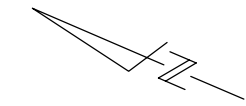


BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	06/29/20
SUBMITTAL DATE	06/29/20
SCALE	AS SHOWN
BOARD APPROVAL DATE	

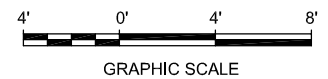
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION AND ACCESS STRUCTURES EAST ACCESS STRUCTURE FOUNDATION PLAN		
PCA NO.	000	CONTRACT NO.
		C801
FILE LOCATION	PROJECTWISE	

SHEET	OF
DRAWING NO.	SU501
REVISION	C

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1 ENLARGED PLAN - WEST ACCESS, BRIDGE LEVEL
 1/4" = 1'-0"




NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED  SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED:	R. MALIYAKKAL
CHECKED:	F. FRANCO
DRAWN:	H. NUALLES
CADD FILE NAME:	801SP503.dwg

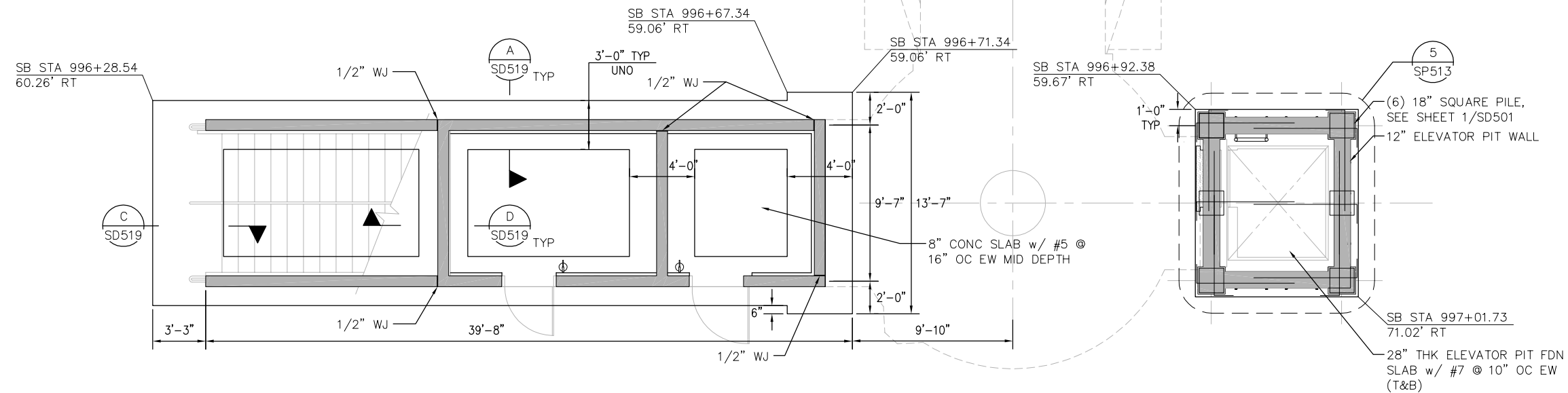


APPROVED  BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE:	06/29/20
SUBMITTAL DATE:	06/29/20
SCALE:	1/4" = 1'-0"
BOARD APPROVAL DATE:	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION AND ACCESS STRUCTURES WEST ACCESS STRUCTURE FRAMING PLAN			SHEET OF DRAWING NO. SP503 REVISION C
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	

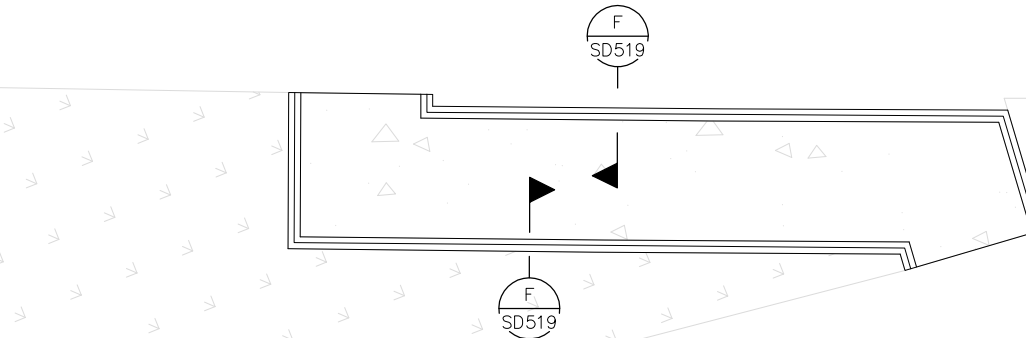
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			COMPRESION	TENSION			
ELEVATOR EAST ACCESS	18" SQUARE PRECAST CONCRETE PILE	108.42	120	10	83 (a), 100 (b), 98 (c)	83	160

(i) DESIGN TIP ELEVATIONS FOR ABUTMENTS AND BENTS ARE CONTROLLED BY (a) COMPRESSION, (b) TENSION, (c) SETTLEMENT, (d) LATERAL LOAD.



NOTES:

1. VERIFY ALL DIMENSIONS WITH AP DRAWINGS.
2. CONCRETE STRENGTH F'CC, SHALL BE 4000 PSI.

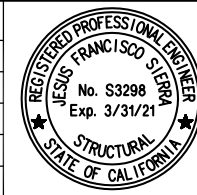


1 FOUNDATION PLAN – WEST ACCESS
1/4"=1'-0"



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B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



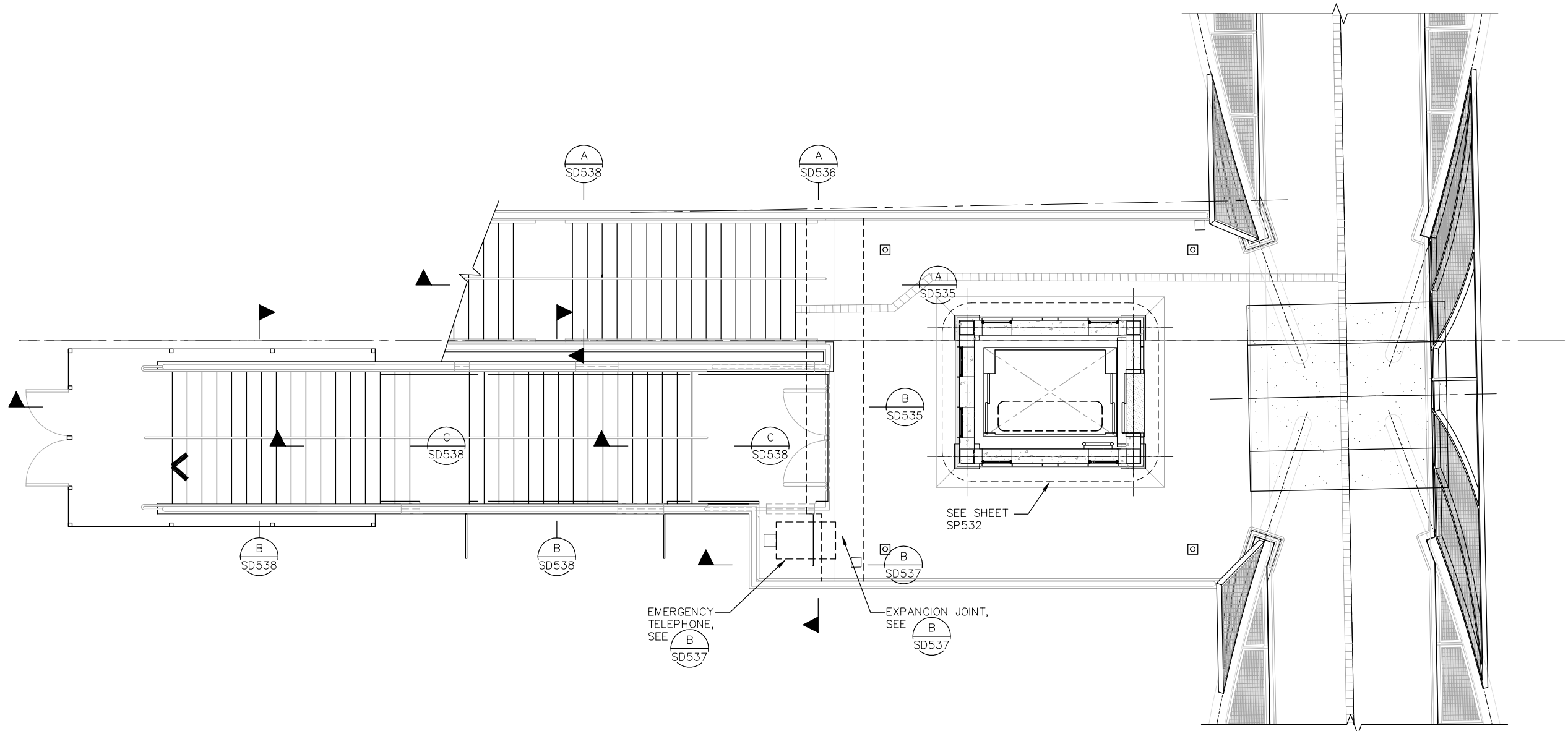
SUBMITTED SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED	CHECKED
R. MALIYAKKAL	F. FRANCO
DRAWN	CADD FILE NAME
H. NUALLES	801SU502.dwg



APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
06/29/20	AS SHOWN
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION AND ACCESS STRUCTURES WEST ACCESS STRUCTURE FOUNDATION PLAN			SHEET OF DRAWING NO. SU502 REVISION C
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	

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1 PLATFORM ACCESS - BRIDGE LEVEL PLAN
 1/4"=1'-0"



NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
SIERRA ENGINEERING GROUP
 DESIGNED: R. MALIYAKKAL
 CHECKED: F. FRANCO
 DRAWN: H. NUALLES
 CADD FILE NAME: 801SP504.dwg

TEL: 510.445.0550
 39812 MISSION BLVD, SUITE 100
 FREMONT, CA 94539
 FAX: 510.445.0440



APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 06/29/20
 SUBMITTAL DATE: 06/29/20
 SCALE: 1/4"=1'-0"
 BOARD APPROVAL DATE:

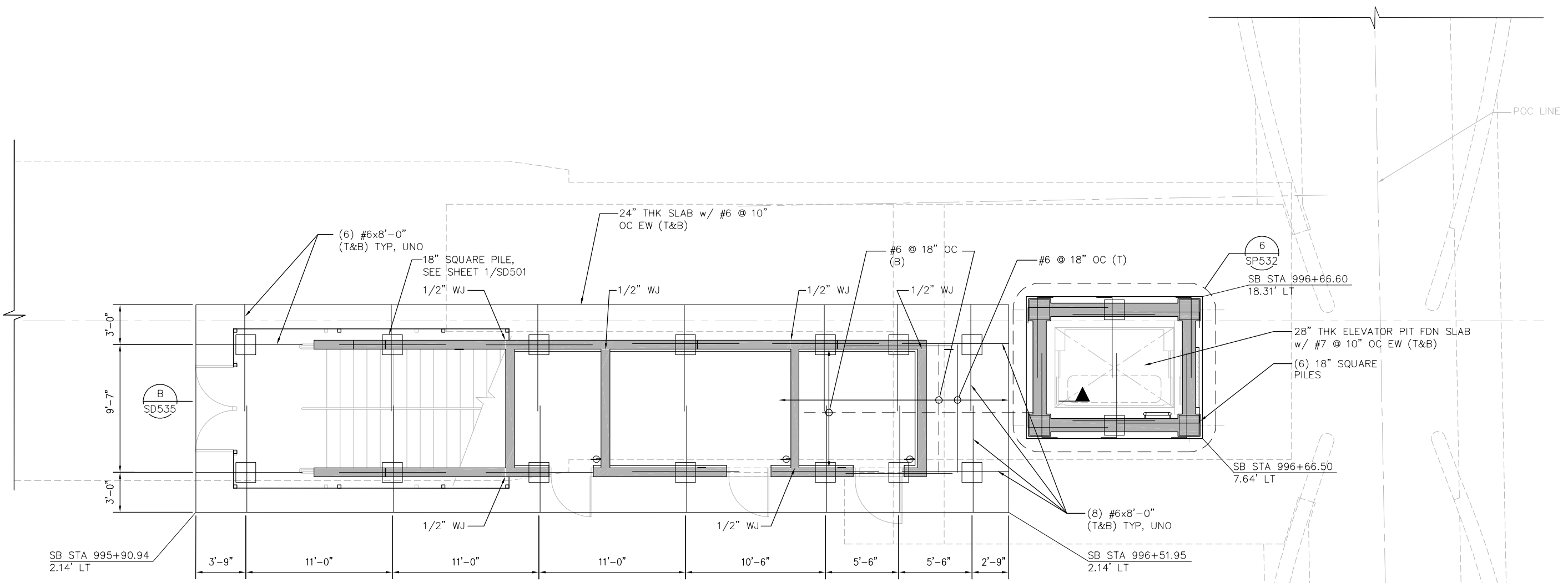
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 STORY STATION AND ACCESS STRUCTURES
 SOUTH MEDIAN ACCESS STRUCTURE FRAMING PLAN

SHEET OF
 DRAWING NO. SP504
 REVISION C

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION PROJECTWISE

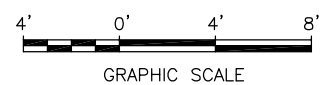
LOCATION	PILE TYPE	PILE CUT-OFF ELEV (FT)	NOMINAL RESISTANCE (KIPS)		DESIGN TIP ELEV. (i)(ii) (FT)	SPECIFIED TIP ELEV. (FT)	NOMINAL DRIVING RESISTANCE (KIPS)
			COMPRESION	TENSION			
SOUTH ACCESS	18" SQUARE PRECAST CONCRETE PILE	114.25	420	240	65 (a), 89 (b), 101 (c)	65	460
ELEVATOR SOUTH ACCESS	18" SQUARE PRECAST CONCRETE PILE	109.92	160	20	86 (a), 101 (b), 95 (c)	86	200

(i) DESIGN TIP ELEVATIONS FOR ABUTMENTS AND BENTS ARE CONTROLLED BY (a) COMPRESSION, (b) TENSION, (c) SETTLEMENT, (d) LATERAL LOAD.



- NOTES:
1. VERIFY ALL DIMENSIONS WITH AP DRAWINGS.
 2. CONCRETE STRENGTH F'_c , FOR ELEVATOR FOUNDATION SHALL BE 4000 PSI.
 3. CONCRETE STRENGTH, F'_c , FOR STAIR FOUNDATION SHALL BE 5000 PSI.

1 FOUNDATION PLAN – SOUTH MEDIAN ACCESS STRUCTURE
1/4"=1'-0"



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 Jun 22, 2020 - 12:38pm M.

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED	
 TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED	CHECKED
R. MALIYAKKAL	F. FRANCO
DRAWN	CADD FILENAME
H. NUALLES	801SU503.dwg

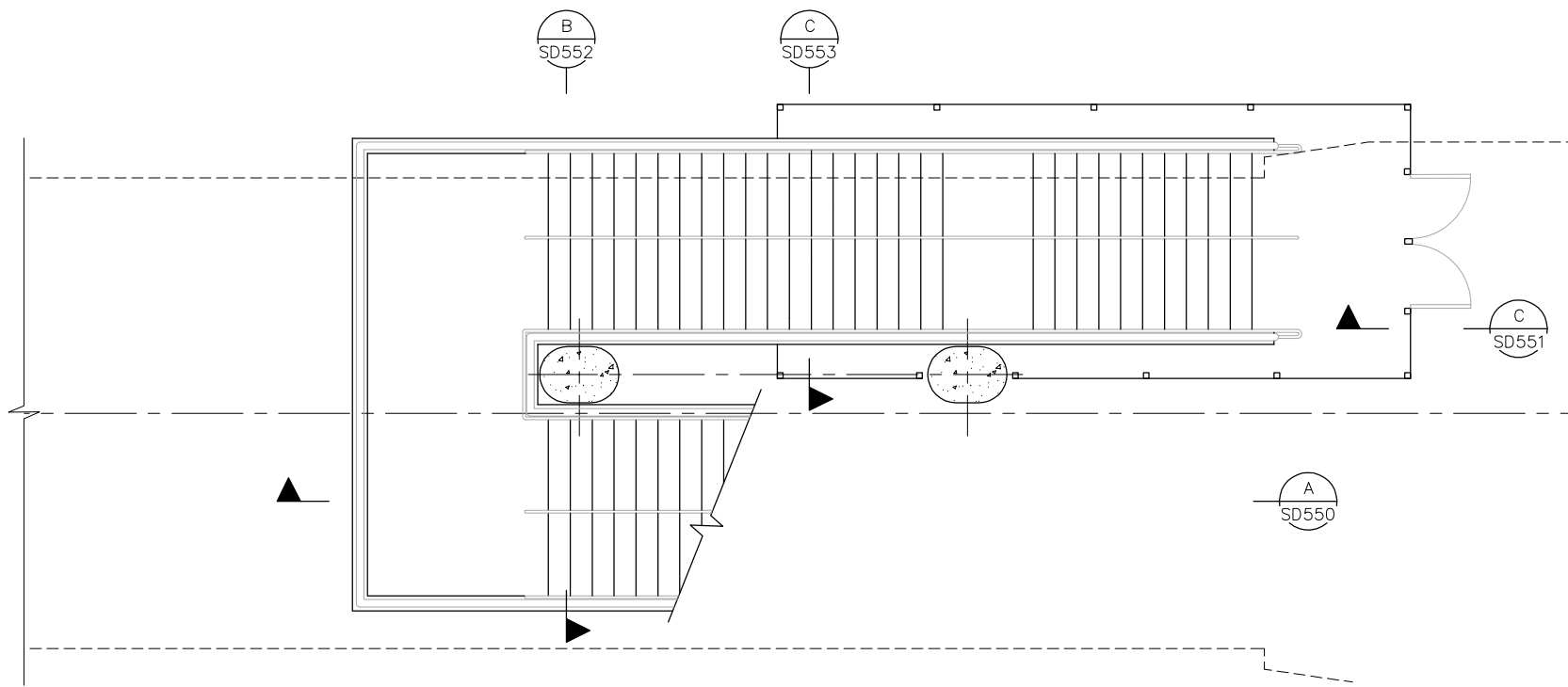
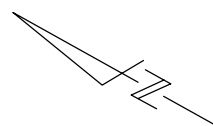


APPROVED	
 ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
06/29/20	AS SHOWN
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

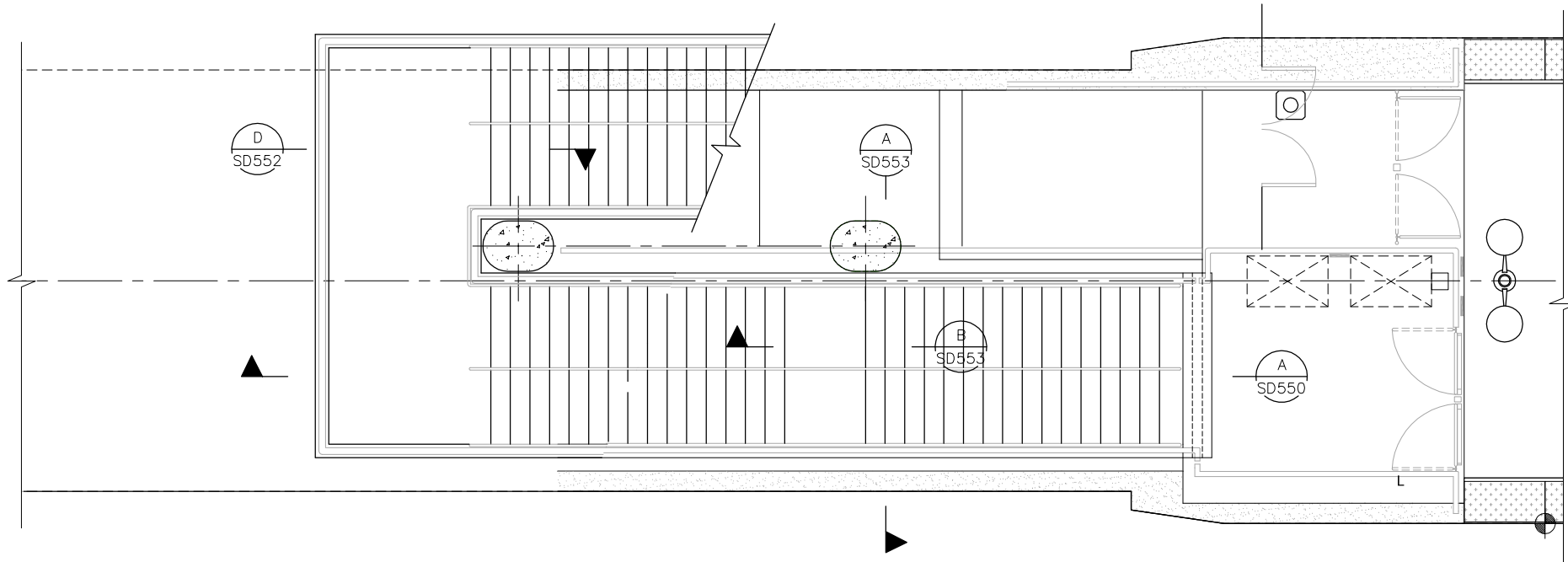
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PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	SU503
REVISION	C

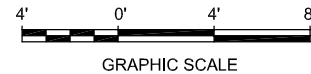
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1 GROUND LEVEL PLAN
 1/4"=1'-0"




2 PLATFORM LEVEL PLAN
 1/4"=1'-0"




NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED  SIERRA ENGINEERING GROUP		TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED:	R. MALIYAKKAL	CHECKED:	F. FRANCO
DRAWN:	H. NUALLES	CADD FILE NAME:	801SP505.dwg

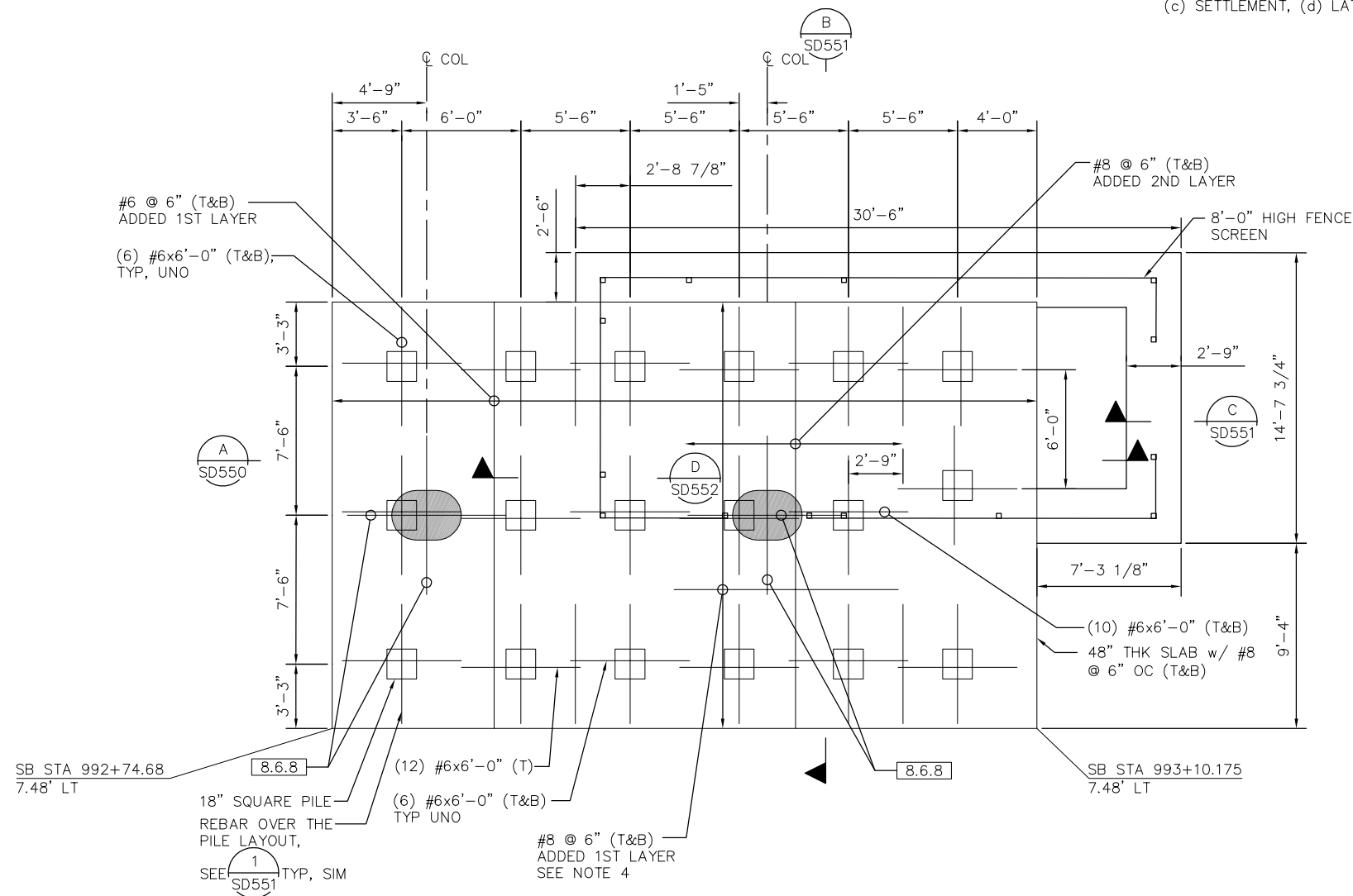


APPROVED  BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS			
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SUBMITTAL DATE:	06/29/20	BOARD APPROVAL DATE:	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION AND ACCESS STRUCTURES NORTH MEDIAN ACCESS STRUCTURE FRAMING PLAN			SHEET OF DRAWING NO. SP505 REVISION C
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	

LOCATION	PILE TYPE	PILE CUT-OFF ELEV (FT)	NOMINAL RESISTANCE (KIPS)		DESIGN TIP ELEV. (i)(ii) (FT)	SPECIFIED TIP ELEV. (FT)	NOMINAL DRIVING RESISTANCE (KIPS)
			COMPRESSION	TENSION			
NORTH ACCESS	18" SQUARE PRECAST CONCRETE PILE	11.50	500	310	54 (a), 70 (b), 85 (c)	54	560

(i) DESIGN TIP ELEVATIONS FOR ABUTMENTS AND BENTS ARE CONTROLLED BY (a) COMPRESSION, (b) TENSION, (c) SETTLEMENT, (d) LATERAL LOAD.



NOTES:

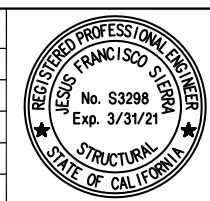
- VERIFY ALL DIMENSIONS WITH AP DRAWINGS.
- CONCRETE STRENGTH F'C, SHALL BE 5000 PSI.
- 8.6.8 NUMBER, SIZE AND LENGTH OF BARS FOR ADDITIONAL REINF UNDER COLUMNS, (8) #6x8'-0" (B). FOR REBAR ARRANGEMENT, SEE 1 SD551.
- FOR ADDED BARS LAYOUT, SEE DETAIL 2 SD551.

1 FOUNDATION PLAN - NORTH MEDIAN ACCESS STRUCTURE
1/4"=1'-0"



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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



DESIGNED	R. MALIYAKKAL	CHECKED	F. FRANCO
DRAWN	H. NUALLES	CADD FILENAME	801SU504.dwg

SIERRA ENGINEERING GROUP
TEL: 510.445.0550
39812 MISSION BLVD, SUITE 100
FREMONT, CA 94539
FAX: 510.445.0440

Santa Clara Valley Transportation Authority

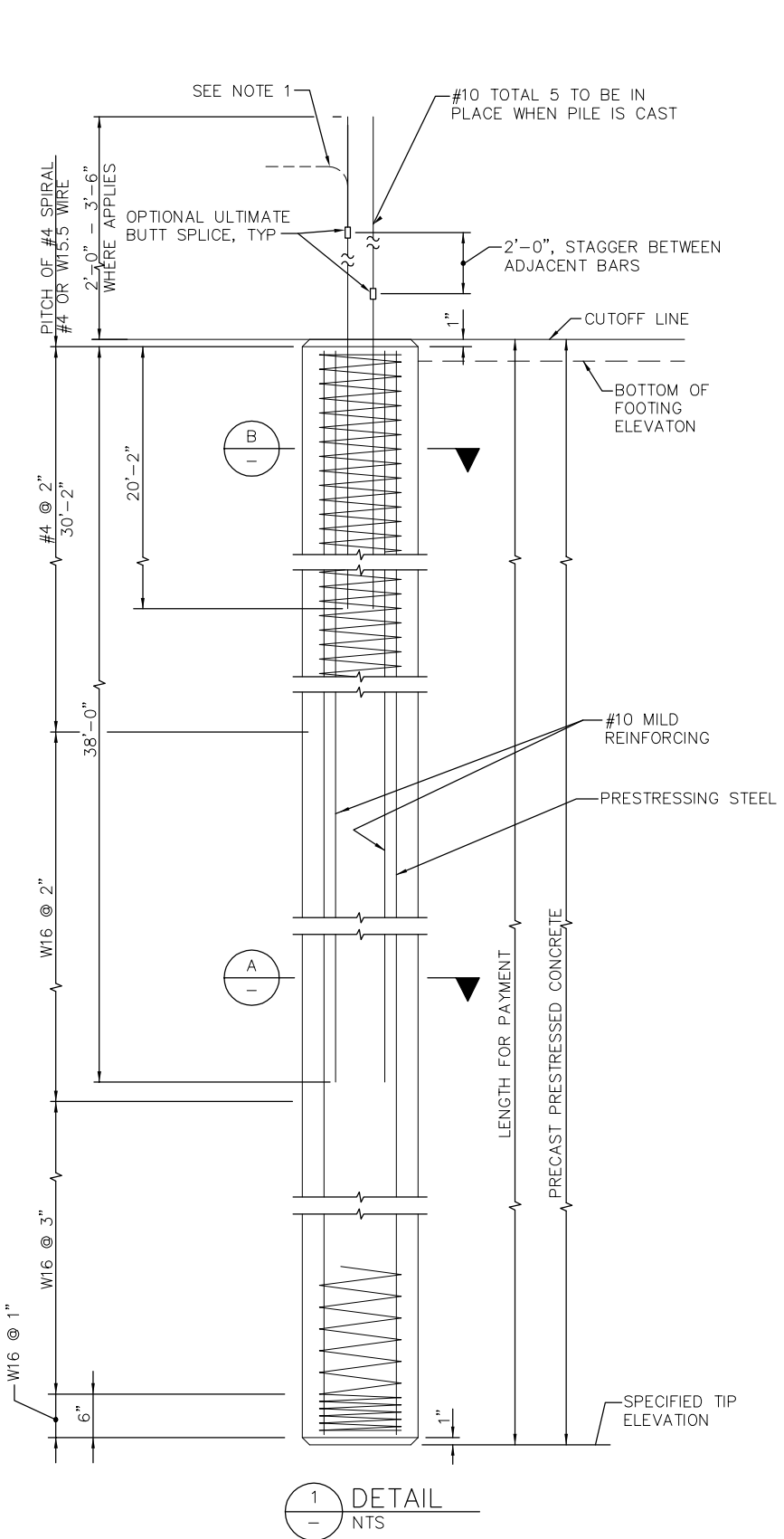
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/29/20
SUBMITTAL DATE: 06/29/20

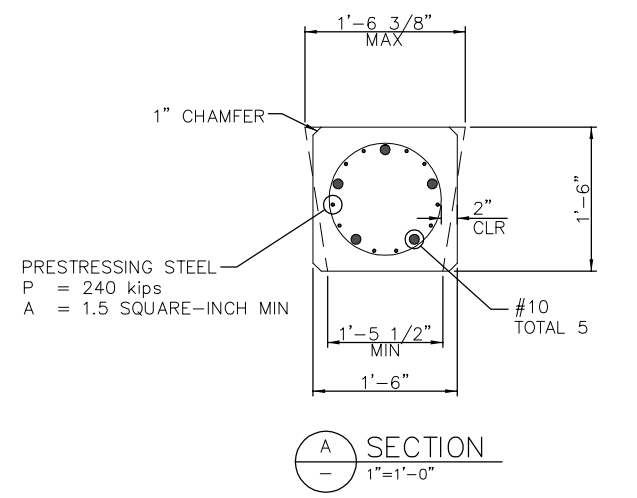
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BOARD APPROVAL DATE:

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PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

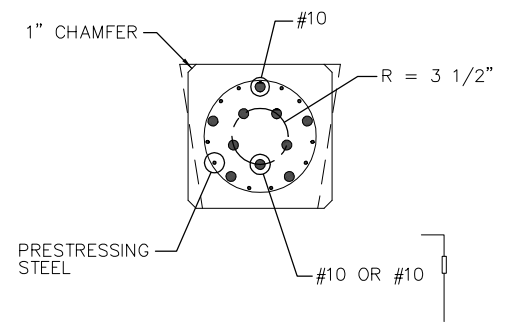
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1
DETAIL
NTS



A
SECTION
1"=1'-0"



B
SECTION
1"=1'-0"

GENERAL PILE NOTES:

- LAP SPLICES IN SPIRAL PILE REINFORCEMENT SHALL BE LAPPED 80 WIRE DIAMETERS MINIMUM. SPIRAL PILE REINFORCEMENT AT SPLICES AND AT ENDS SHALL BE TERMINATED BY A 135° HOOK WITH 6" TAIL HOOKED AROUND A LONGITUDINAL BAR OR STRAND.
- 2" CLEARANCE TO SPIRAL REINFORCEMENT SHALL BE MAINTAINED IF SECTION USED IS LARGER THAN THE MINIMUM SECTION SHOWN.
- MAXIMUM CUT-OFF LENGTH AT THE TOP OF THE PILES IS 10'-0".
- FOR PILE TABLE SPECIFYING TIP ELEVATIONS, CUT OFF ELEVATION, AND OTHER PILE DESIGN REQUIREMENTS, SEE LATEST GEOTECH REPORT

DESIGN NOTES

DESIGN LOADING:
SEE PILE DATA TABLES IN LATEST GEOTECHNICAL REPORT.

PRECAST PRESTRESSED PILES
 P_f = PRESTRESSED FORCE (AFTER LOSSES)
 CONCRETE STRENGTH f'_c @ 28 DAYS = 7 ksi
 f'_{ci} @ TRANSFER = 4 ksi

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED: S. CASTRO	CHECKED: F. FRANCO
DRAWN: H. NUALLES	CADD FILE NAME: 801SD501.dwg

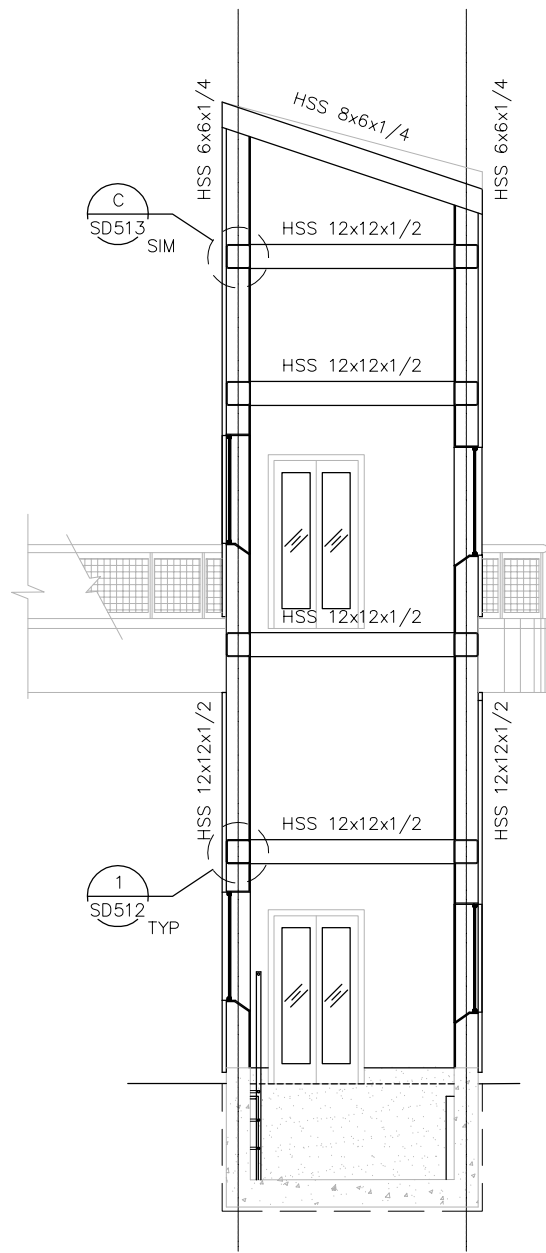


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SUBMITTAL DATE: 06/29/20	BOARD APPROVAL DATE:

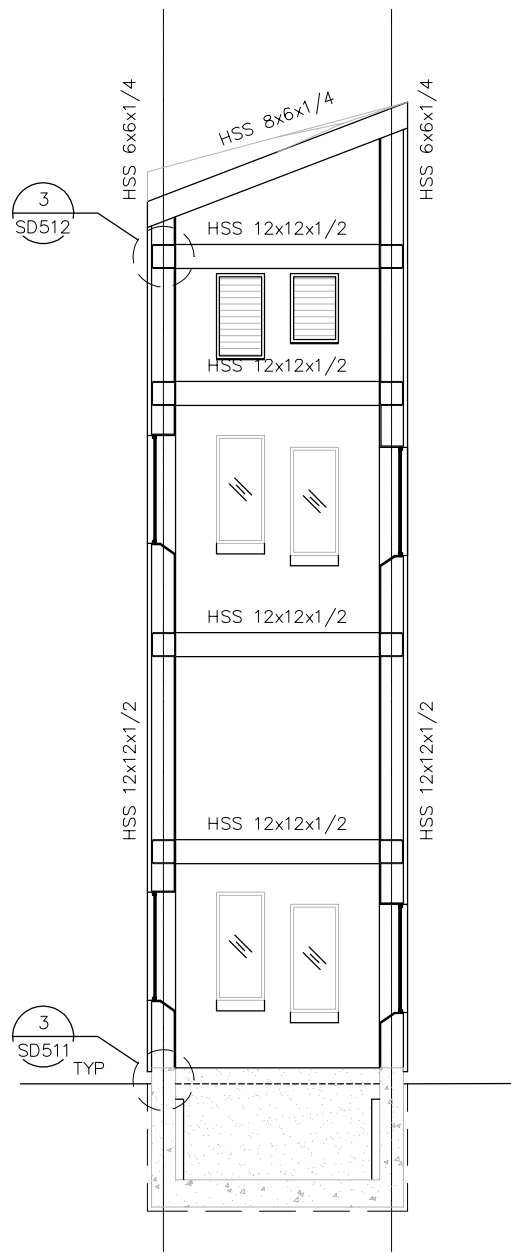
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION AND ACCESS STRUCTURES ACCESS STRUCTURES PILE DETAILS		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF
DRAWING NO. SD501
REVISION C

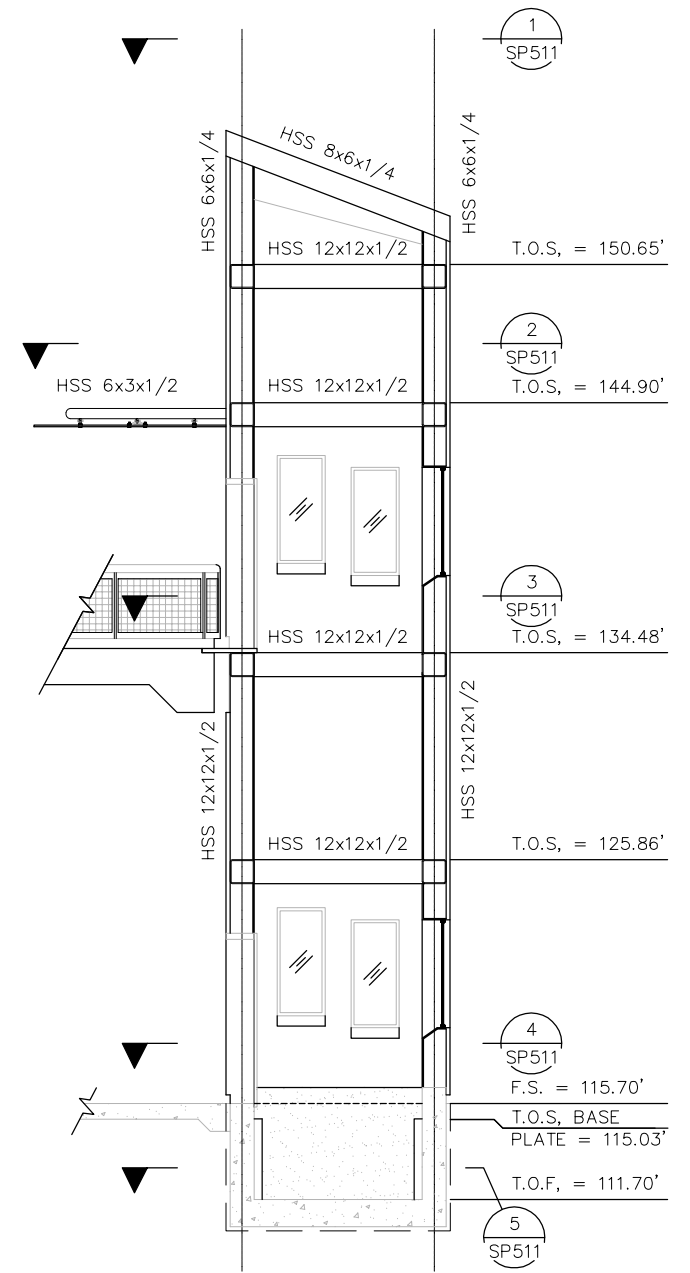
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SECTION A
1/4"=1'-0"



SECTION B
1/4"=1'-0"



SECTION C
1/4"=1'-0"



NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED: S. CASTRO	CHECKED: F. FRANCO
DRAWN: H. NUALLES	CADD FILE NAME: 801SP510.dwg

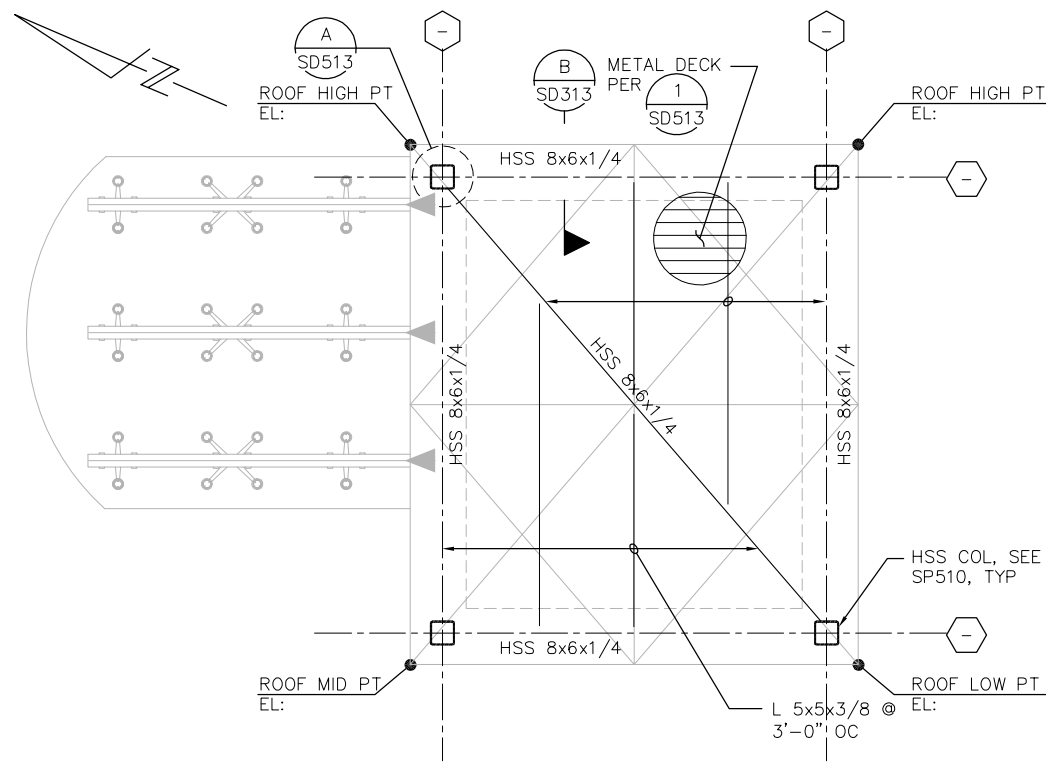


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SUBMITTAL DATE: 06/29/20	BOARD APPROVAL DATE:

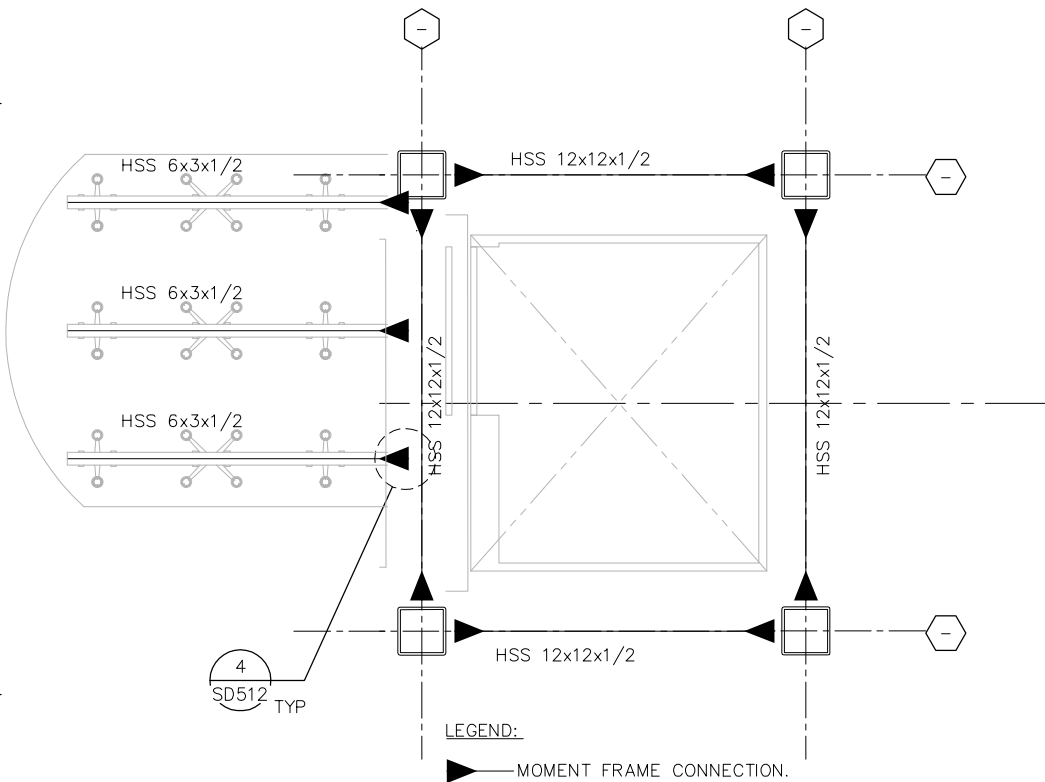
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PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	SP510
DRAWING NO.	SP510
REVISION	C

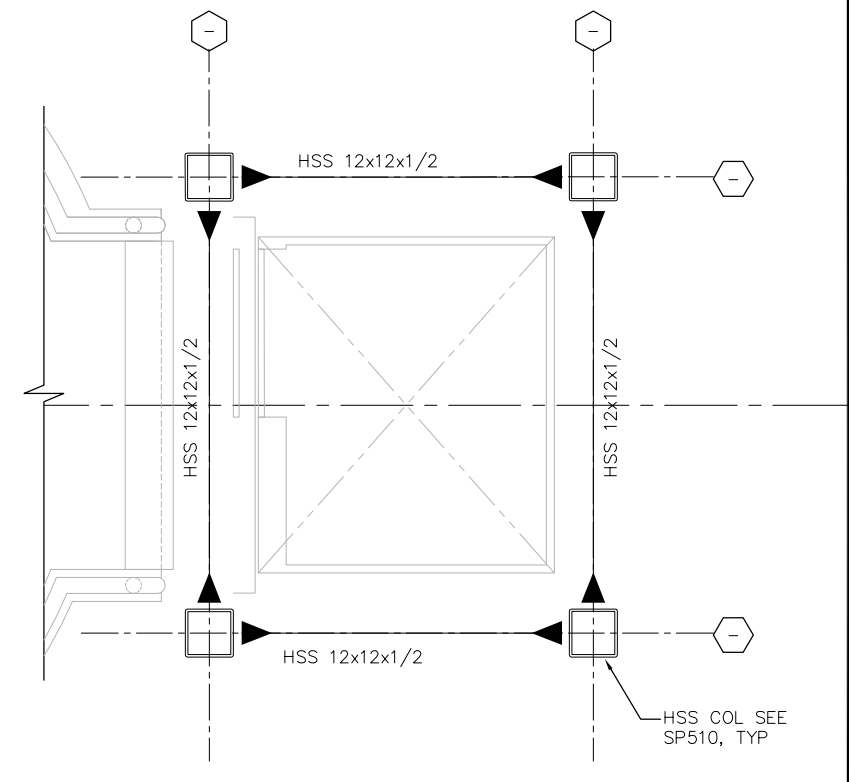
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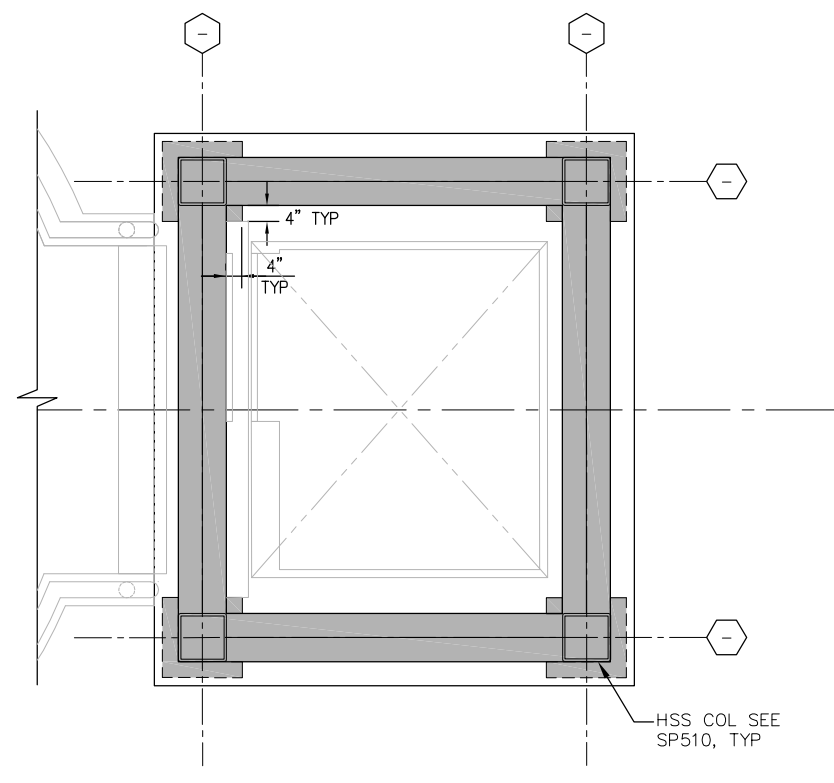
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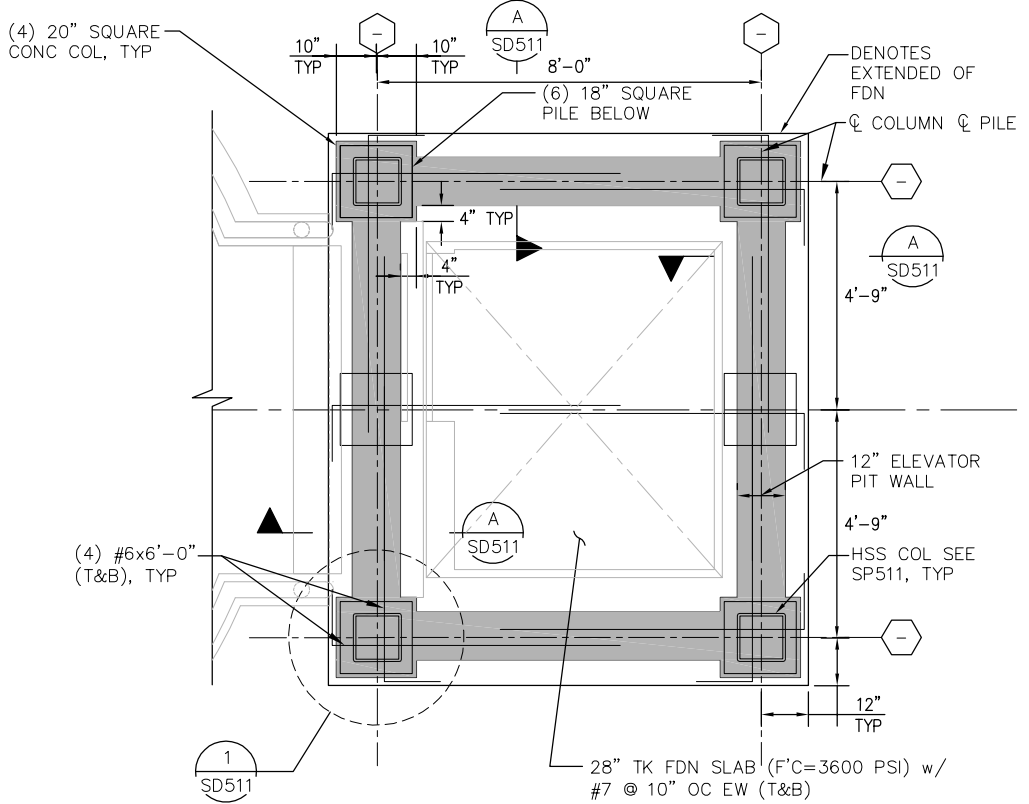
2 POC LEVEL ELEVATOR #2 AT CANOPY
1/2"=1'-0"



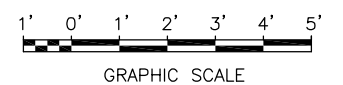
3 POC LEVEL ELEVATOR #2 PLAN
1/2"=1'-0"



4 GROUND FLOOR LEVEL ELEVATOR #2 PLAN
1/2"=1'-0"



5 FOUNDATION LEVEL ELEVATOR #2 PLAN
1/2"=1'-0"



NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



DESIGNED	S. CASTRO	CHECKED	F. FRANCO
DRAWN	H. NUALLES	CADD FILE NAME	801SP511.dwg

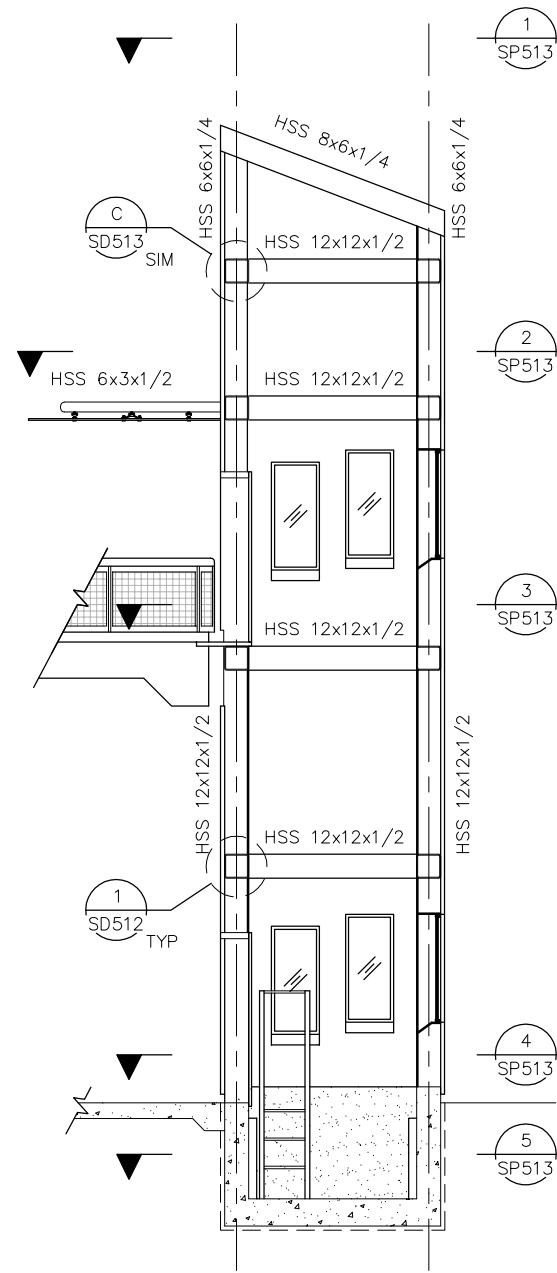


APPROVED	BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS
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SUBMITTAL DATE	06/29/20
SCALE	1/2"=1'-0"
BOARD APPROVAL DATE	

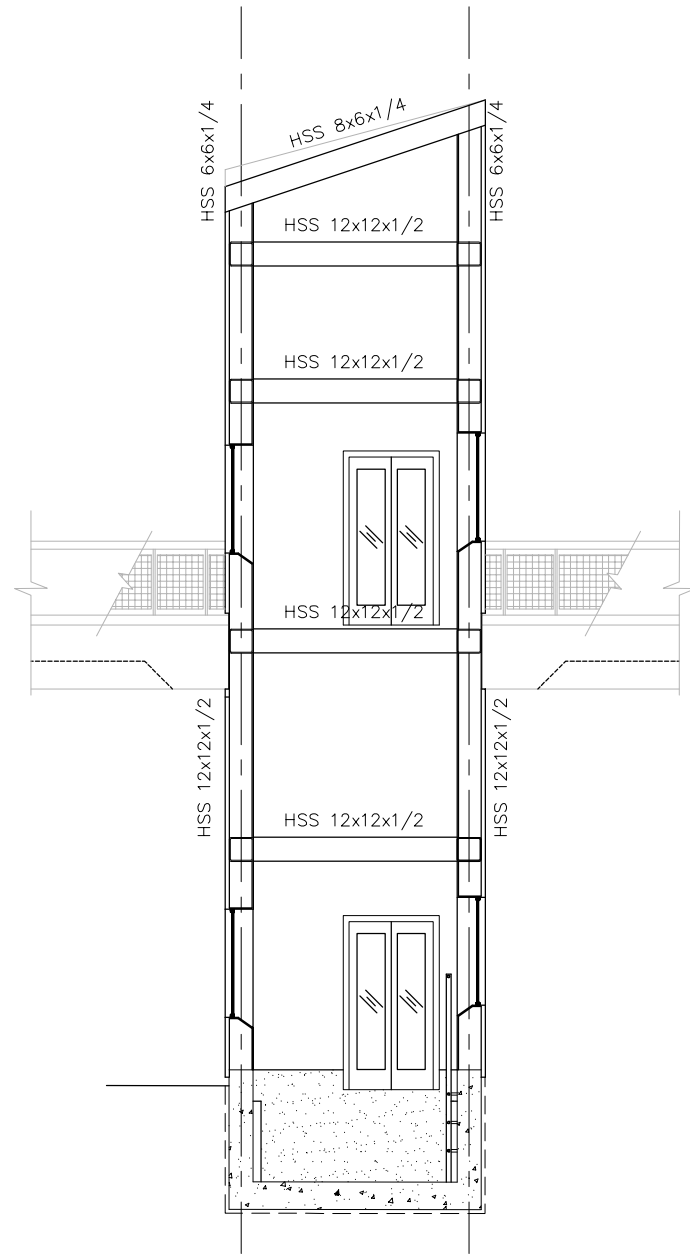
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PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	SP511
REVISION	C

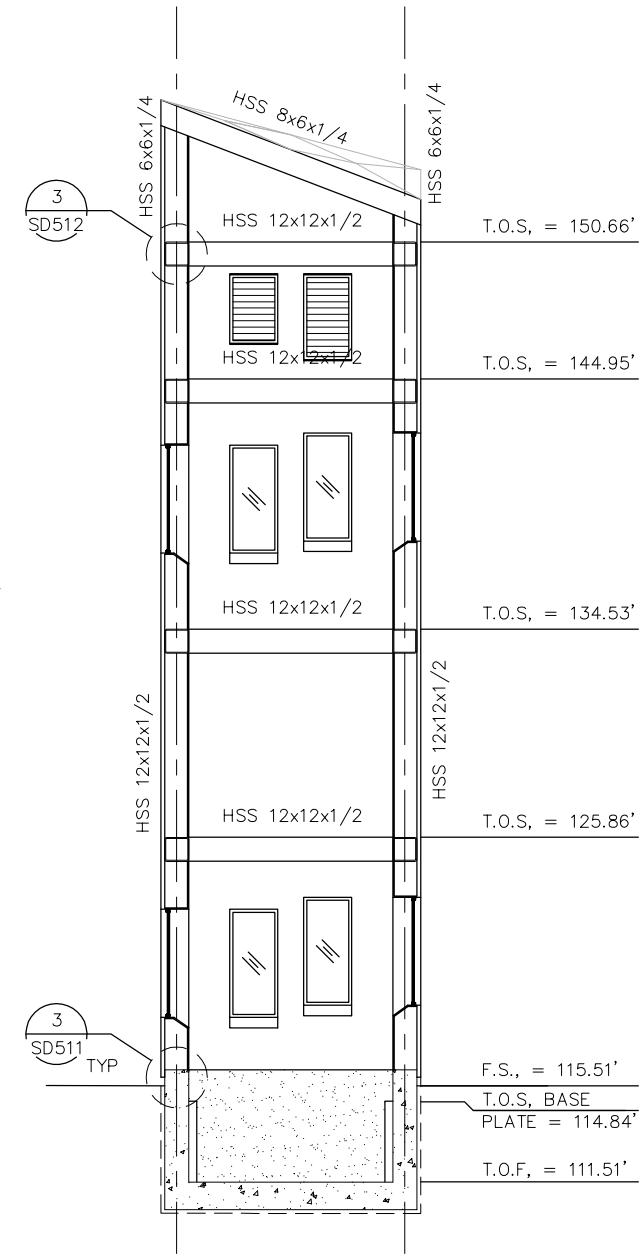
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1 SECTION
1/4"=1'-0"



2 SECTION
1/4"=1'-0"



3 SECTION
1/4"=1'-0"



NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



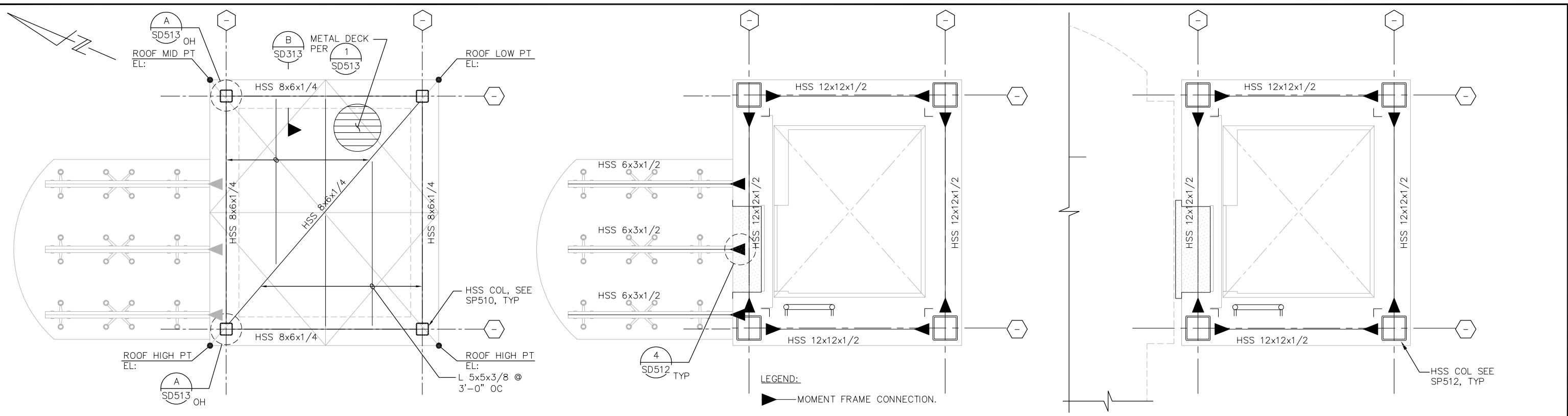
SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED:	S. CASTRO
CHECKED:	F. FRANCO
DRAWN:	H. NUALLES
CADD FILE NAME:	801SP512.dwg



APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE:	06/29/20
SUBMITTAL DATE:	06/29/20
SCALE:	1/2"=1'-0"
BOARD APPROVAL DATE:	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION AND ACCESS STRUCTURES EAST ACCESS STRUCTURES ELEVATORS ENLARGED PLANS			
PCA NO.	000	CONTRACT NO.	C801
FILE LOCATION:	PROJECTWISE		

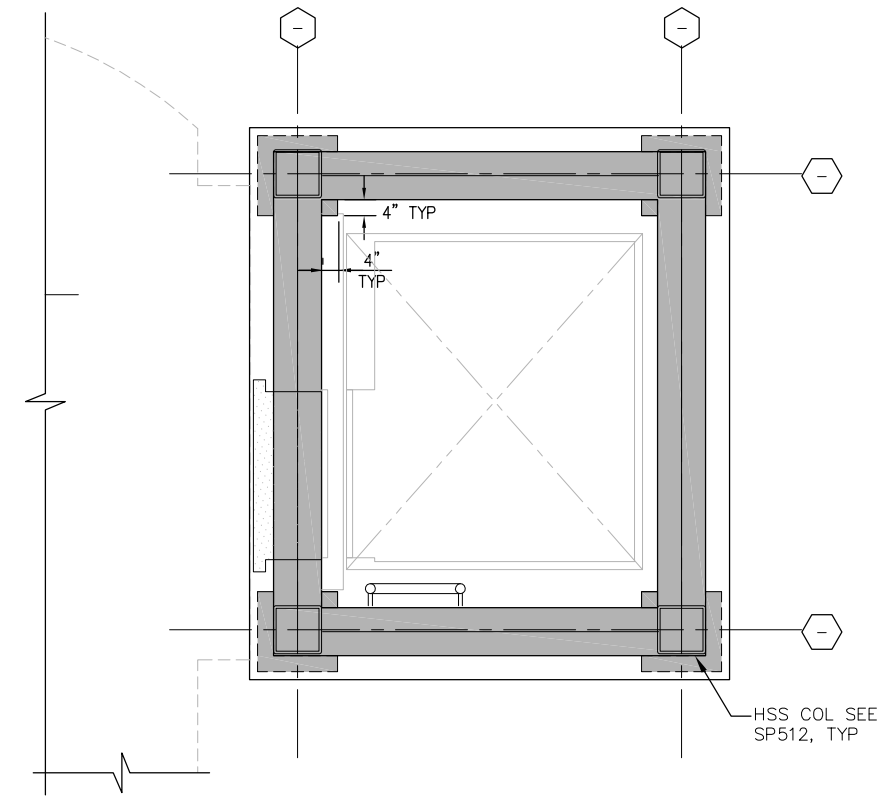
SHEET	OF
DRAWING NO.	SP512
REVISION	C



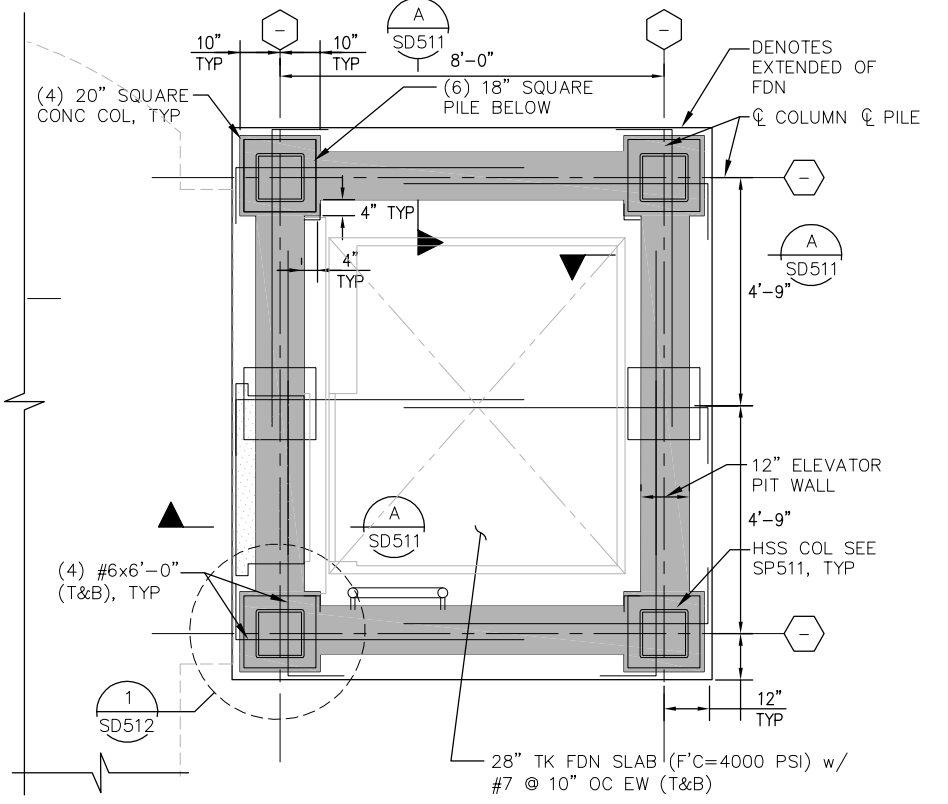
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1/2"=1'-0"

2 POC LEVEL ELEVATOR #1 AT CANOPY
1/2"=1'-0"

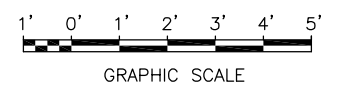
3 POC LEVEL ELEVATOR #1 PLAN
1/2"=1'-0"



4 GROUND FLOOR LEVEL ELEVATOR #1 PLAN
1/2"=1'-0"



5 FOUNDATION LEVEL ELEVATOR #1 PLAN
1/2"=1'-0"



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NO.	DATE	REVISIONS
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B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



DESIGNED	S. CASTRO	CHECKED	F. FRANCO
DRAWN	H. NUALLES	CADD FILE NAME	801SP513.dwg

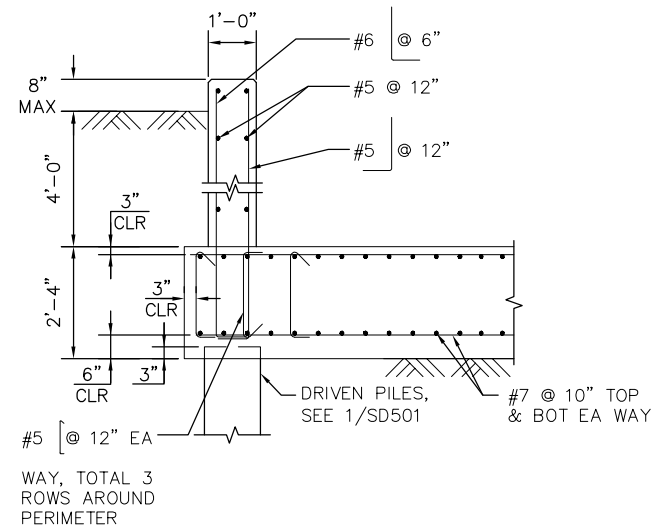


APPROVED	BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS
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SUBMITTAL DATE	06/29/20
SCALE	1/2"=1'-0"
BOARD APPROVAL DATE	

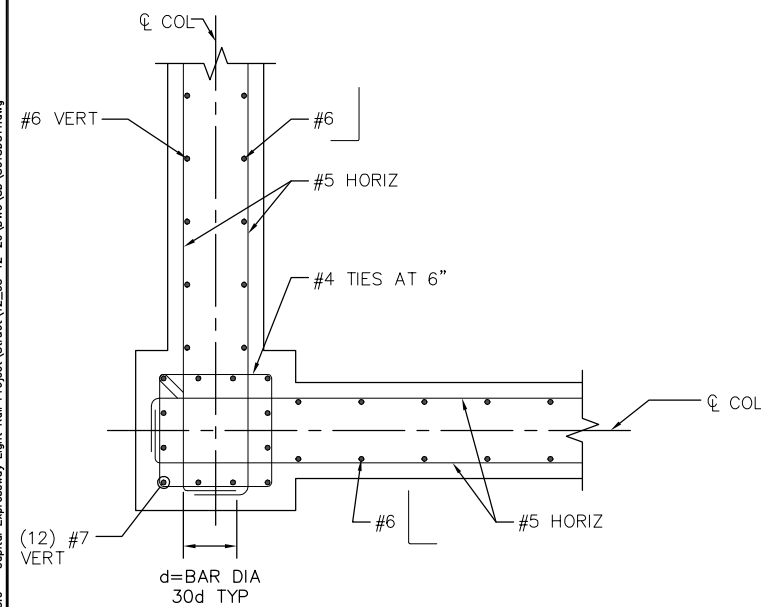
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PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	SP513
REVISION	C

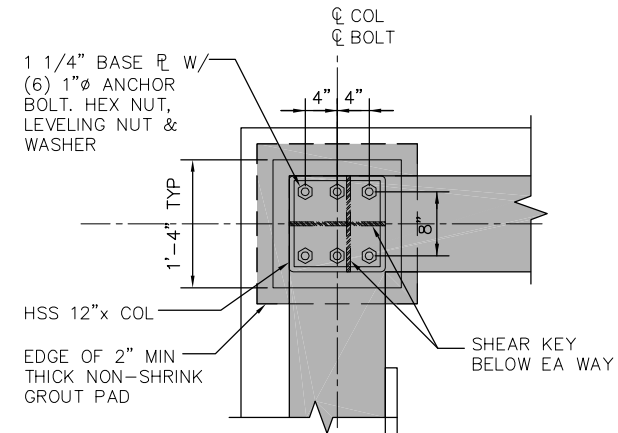
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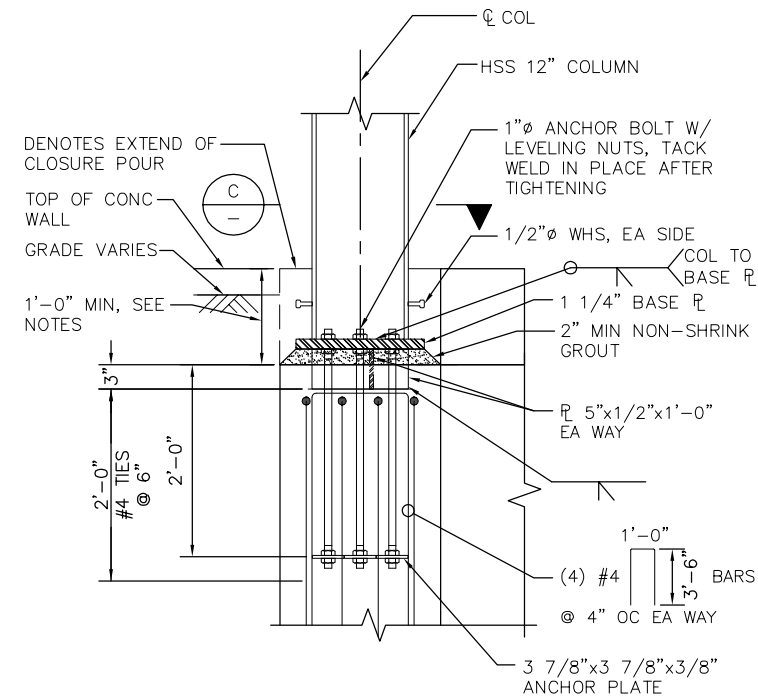
A SECTION
1/2"=1'-0"



1 DETAIL
1"=1'-0"



C SECTION
1"=1'-0"



3 DETAIL
1"=1'-0"

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED		SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED	S. CASTRO	CHECKED	F. FRANCO
DRAWN	H.NUALLES	CADD FILE NAME	801SD511.dwg

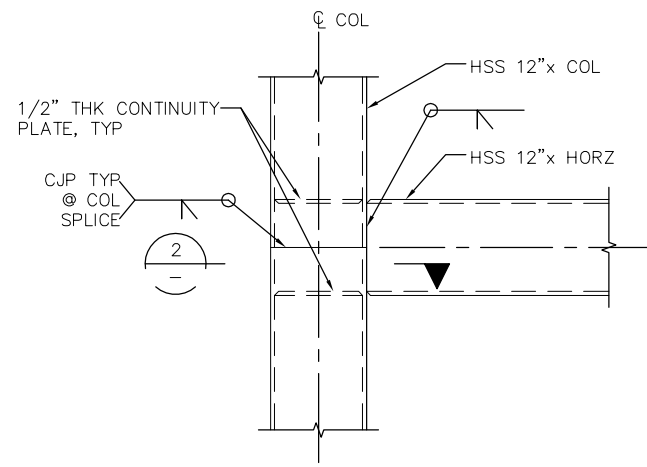


APPROVED		BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
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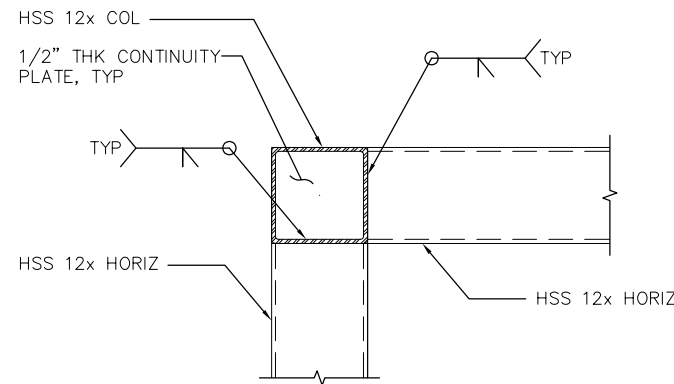
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PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	SD511
REVISION	C

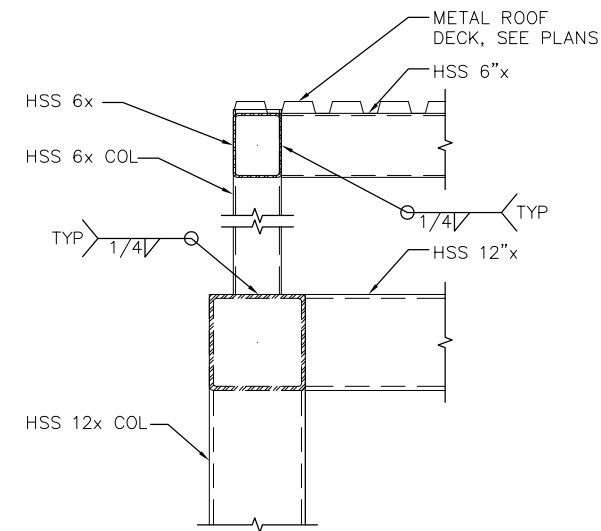
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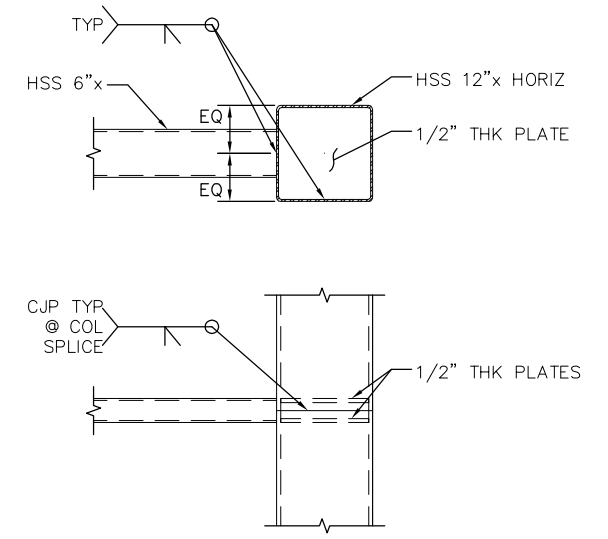
1
-
1"=1'-0"



2
-
1"=1'-0"



3
-
1"=1'-0"



4
-
1"=1'-0"

AT MOMENT FRAMES:

1. USE PRE-QUALIFIED SHEAR \mathcal{P} GEOMETRY - SEE DETAILS
2. ALL COMPLETE PENETRATION GROOVE WELDS TO BE TESTED 100 PERCENT BY ULTRASONIC TESTING OR BY RADIOGRAPHY.
3. WELD FILLER METAL FOR THE PENETRATION GROOVE WELDS ARE TO HAVE A MINIMUM CHARPY V-NOTCH TOUGHNESS VALUE OF 20FT-LB AT 0° F.

5
-
MOMENT FRAME NOTES
NTS

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



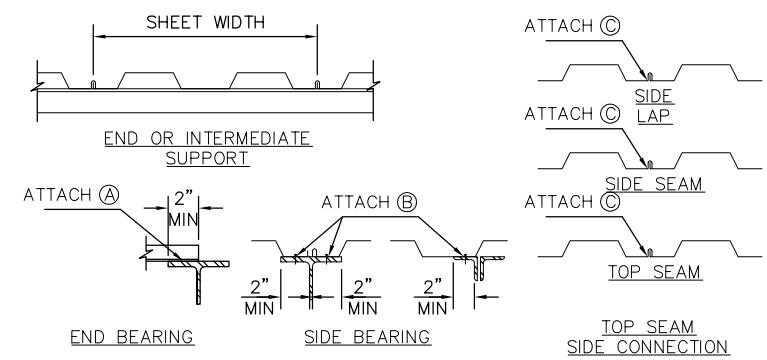
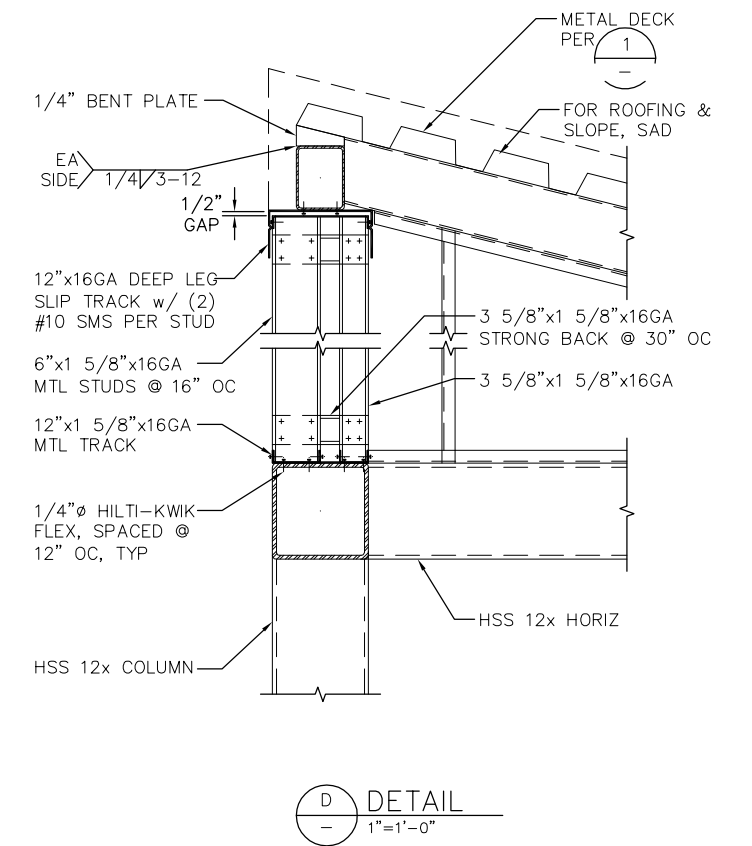
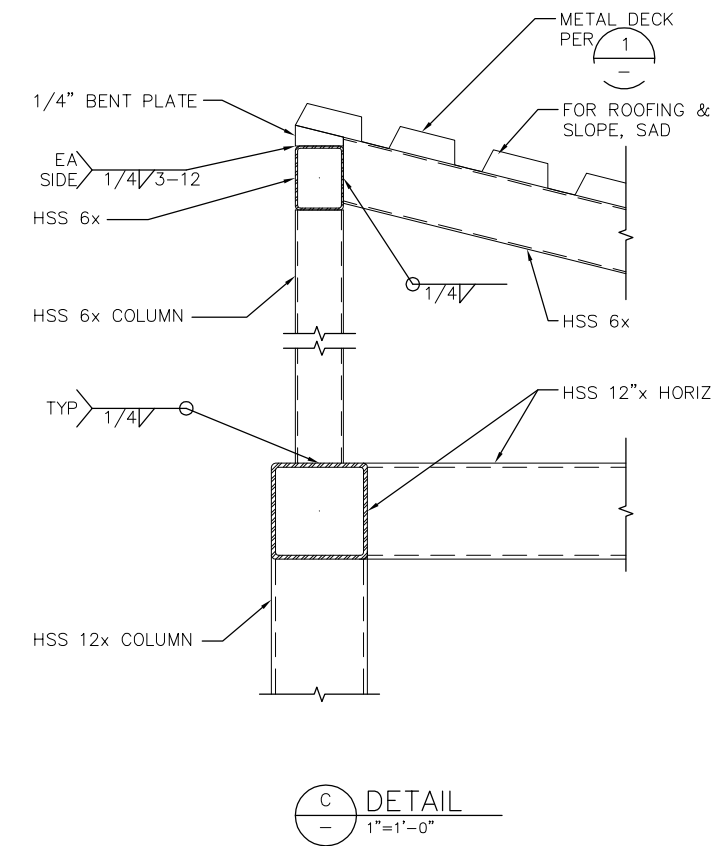
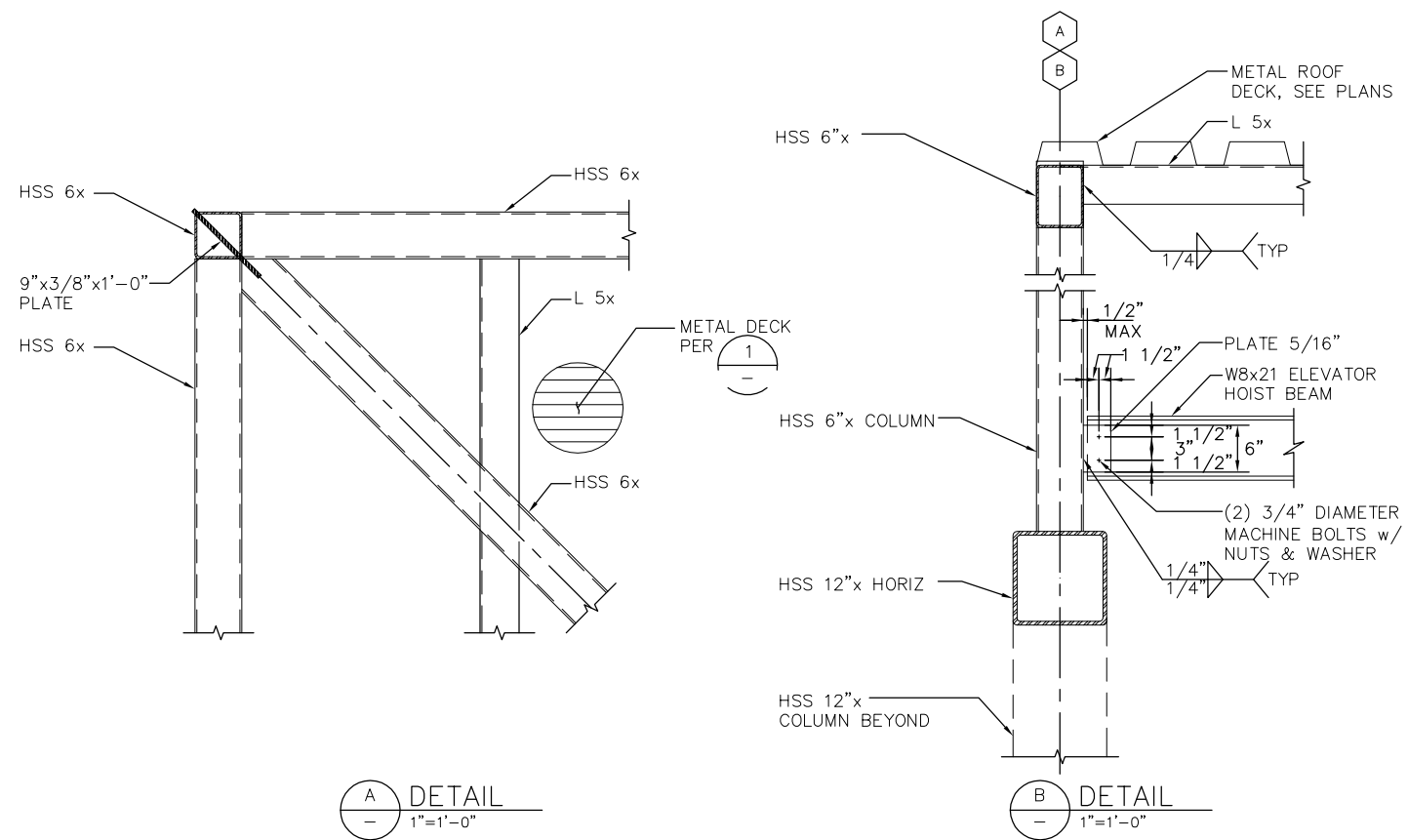
SUBMITTED SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED:	CHECKED:
S. CASTRO	F. FRANCO
DRAWN:	CADD FILE NAME:
H.NUALLES	801SD512.dwg



APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE:	SCALE:
06/29/20	1" = 1'-0"
SUBMITTAL DATE:	BOARD APPROVAL DATE:
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION AND ACCESS STRUCTURES EAST & WEST ACCESS STRUCTURES ELEVATORS DETAILS No. 2			SHEET OF DRAWING NO. SD512 REVISION C
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	

H:\01 - 10-45cm M. SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SD_801SD513.dwg



TYPICAL STEEL DECK ATTACHMENT DETAILS

NOTE: ATTACHMENT DETAILS ARE ALSO APPLICABLE AT WIDE FLANGES, ANGLES AND HSS WHERE THEY OCCUR.

DECK PROFILE	DECK ATTACHMENT								
	MOMENT OF INERTIA		AT PERPENDICULAR SUPPORTS (A)			AT PARALLEL SUPPORTS (B)		DECK SEAM CONNECTION (C)	
	Sp IN ³	Sn IN ³	SIZE & TYPE	# PER SHEET	SIZE & TYPE	SPACING	SIZE & TYPE	SPACING	
18GA 1 1/2"	0.314	0.331	5/8"x1" PUDDLEWELD	4	5/8"x1" PUDDLEWELD	12" OC	5/8"x1/2" SEAMWELD	12" OC	

- NOTE:
- ATTACHMENT OF DECK TO FRAMING SUPPORT SHALL CONFORM TO SCHEDULE ABOVE.
 - INSTALLATION PROCEDURE & ATTACHMENT SHALL CONFORM TO MANUFACTURER SPECIFICATIONS

1 DECK ATTACHMENT SCHEDULE
NTS

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



DESIGNED	S. CASTRO	CHECKED	F. FRANCO
DRAWN	H. NUALLES	CADD FILE NAME	801SD513.dwg

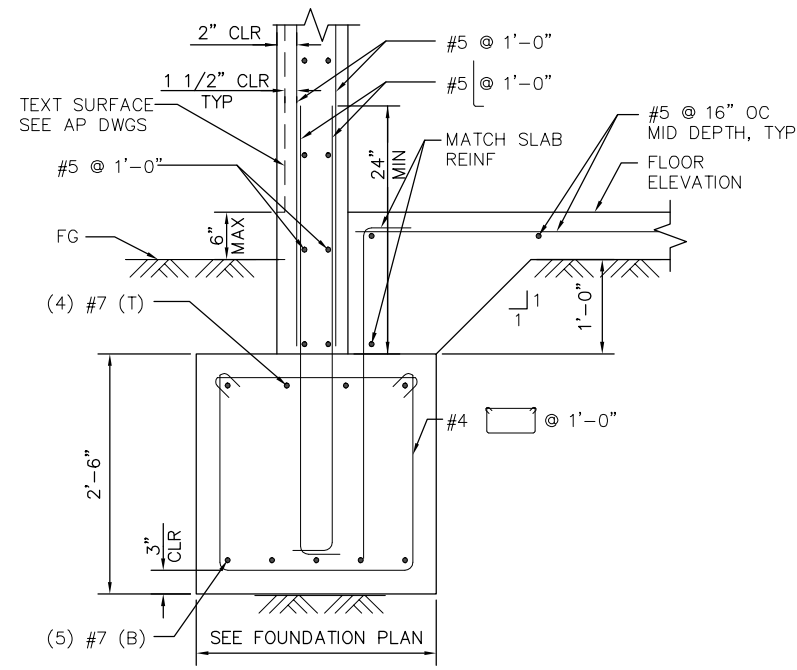


BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 06/29/20
 SUBMITTAL DATE: 06/29/20
 SCALE: 1" = 1'-0"
 BOARD APPROVAL DATE:

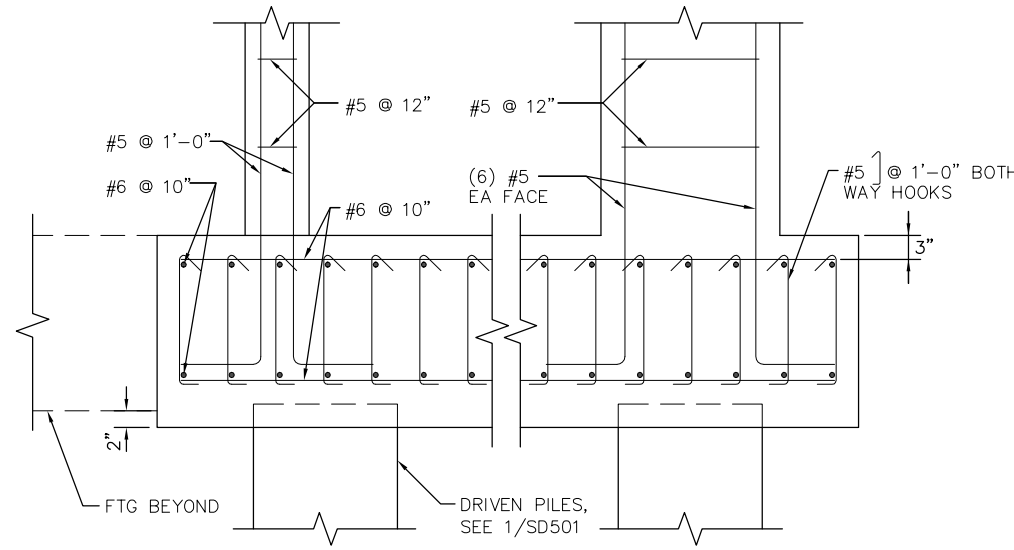
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PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET OF	SD513
DRAWING NO.	SD513
REVISION	C

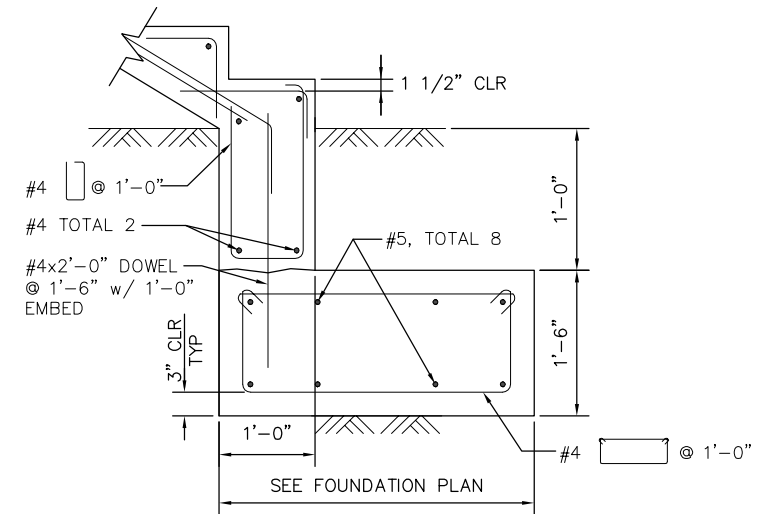
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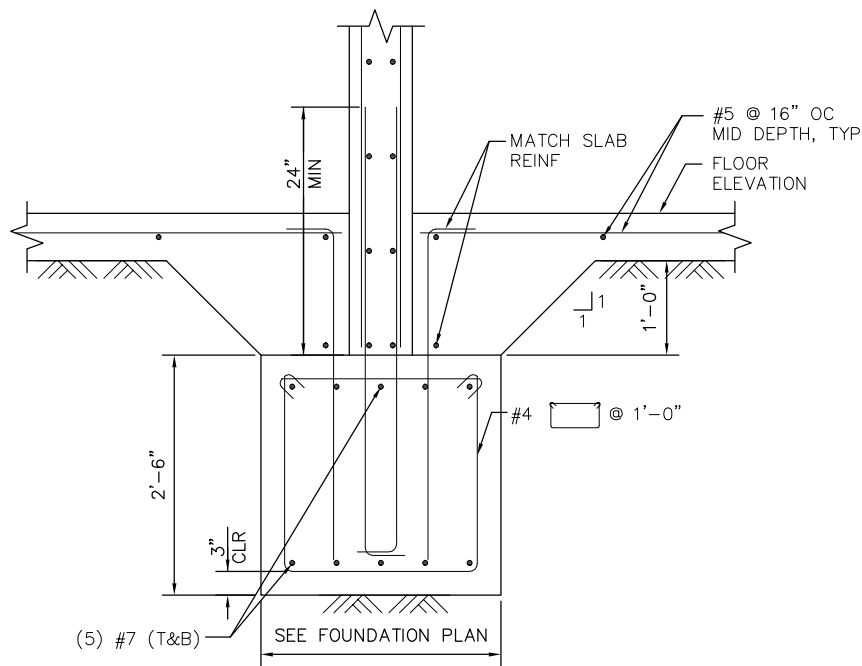
A DETAILS
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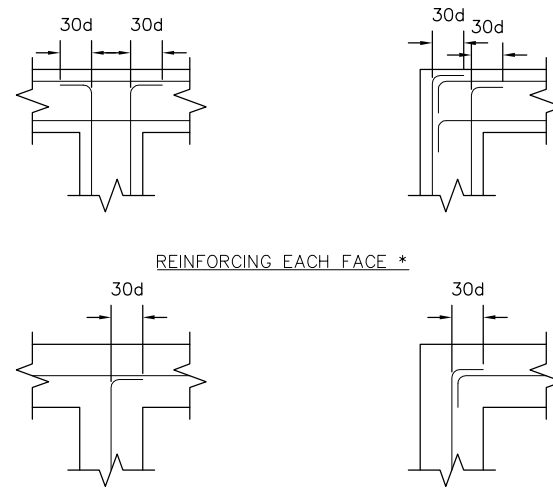
B DETAILS
1"=1'-0"



C DETAILS
1"=1'-0"



D DETAILS
1"=1'-0"

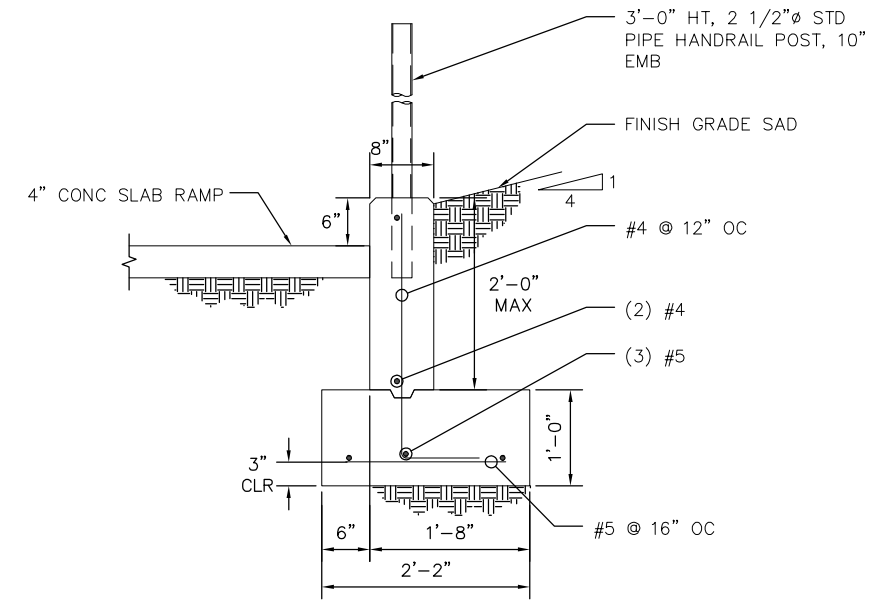


d = BAR DIAMETER

REINFORCING IN CENTER *

TYP CONCRETE FOOTING AND WALL INTERSECTIONS
* VERTICAL REINFORCING NOT SHOWN

E DETAIL
1"=1'-0"



F DETAIL
1"=1'-0"

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
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A	06/18	35% SUBMITTAL SET



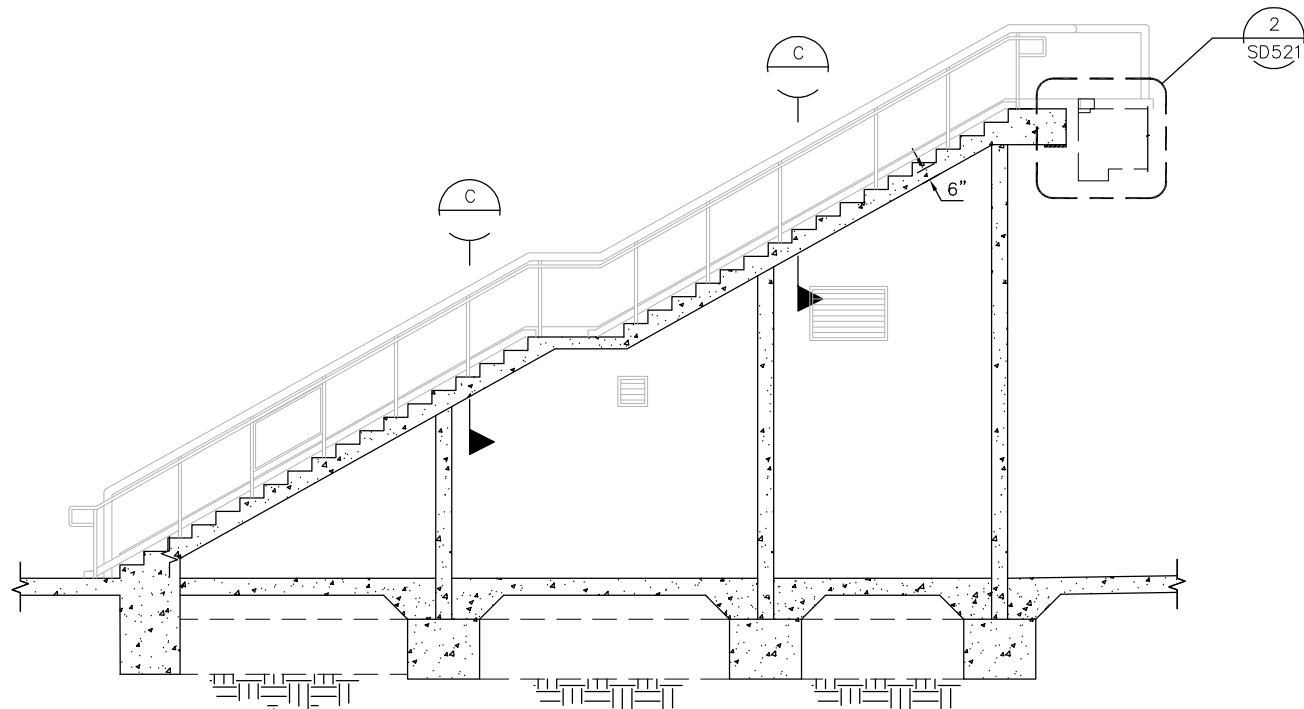
SUBMITTED	
TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED	CHECKED
S. CASTRO	F. FRANCO
DRAWN	CADD FILE NAME
H.NUALLES	801SD519.dwg



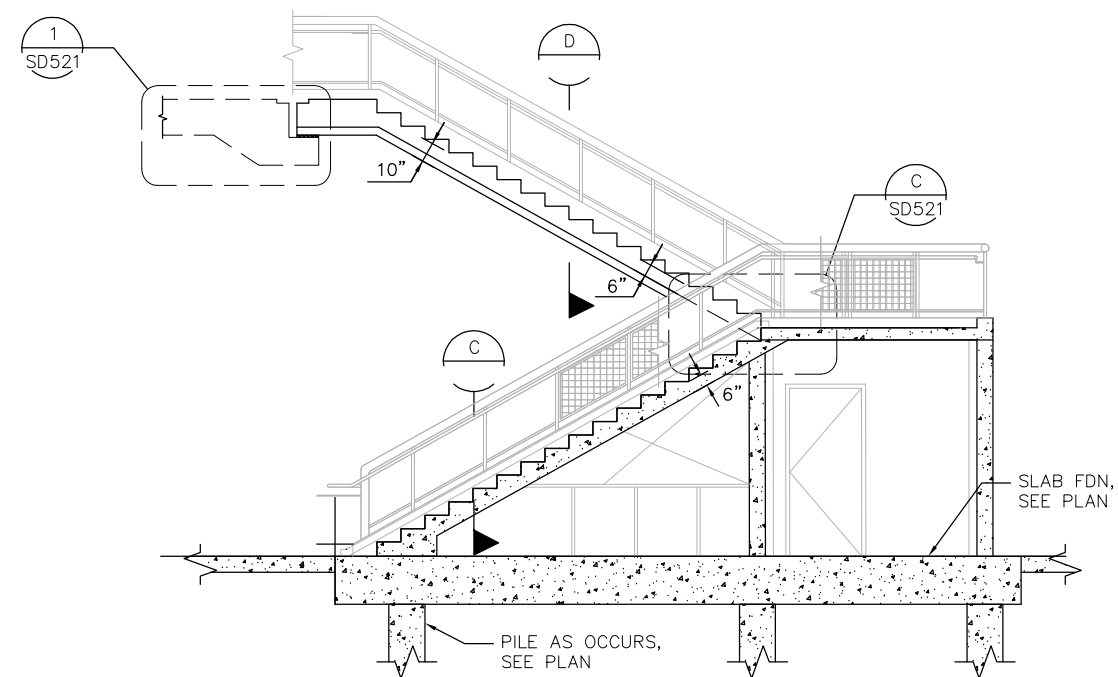
APPROVED	
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06/29/20	AS SHOWN
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR		
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT		
STRUCTURAL		
STORY STATION AND ACCESS STRUCTURES		
EAST, WEST & SOUTH ACCESS STRUCTURES FOUNDATION DETAILS		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

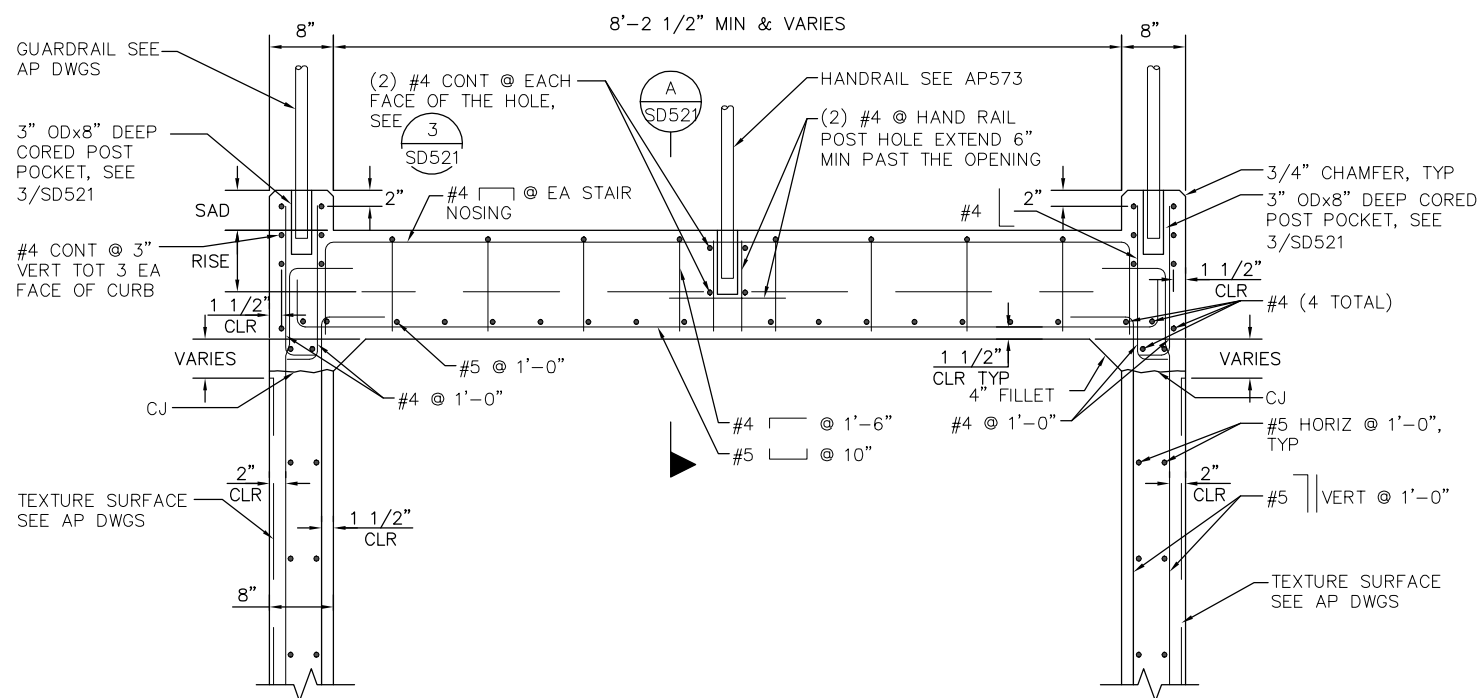
SHEET	OF
DRAWING NO.	SD519
REVISION	C



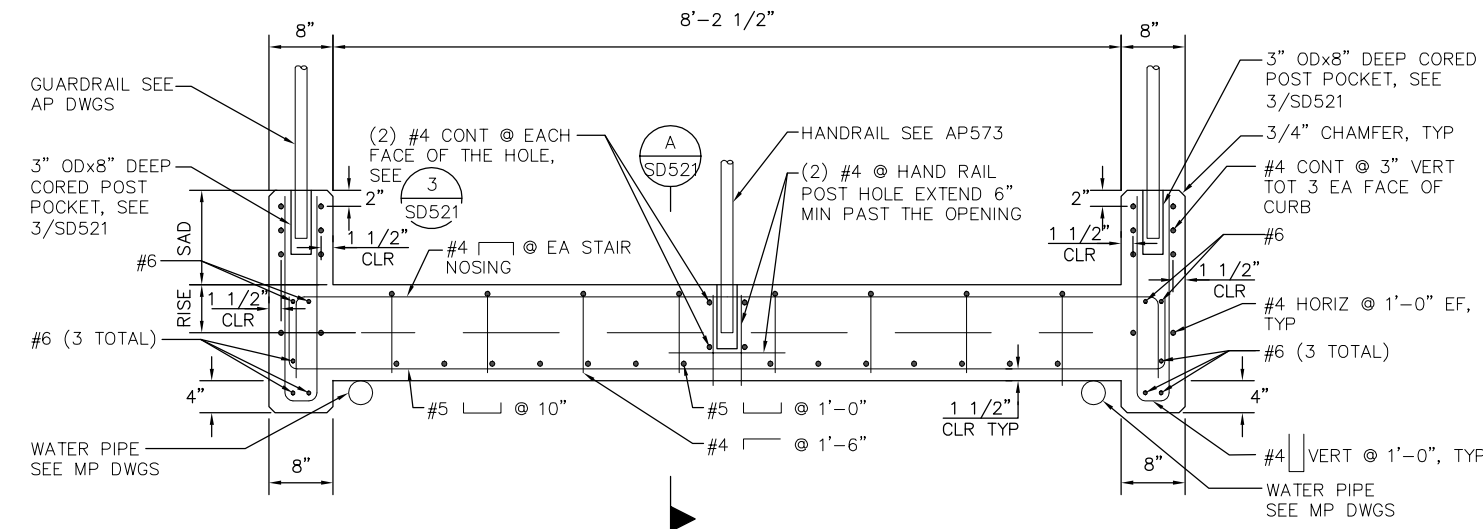
A SECTION
1/4"=1'-0"



B SECTION
1/4"=1'-0"



C SECTIONS
1"=1'-0"



D SECTIONS
1"=1'-0"

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



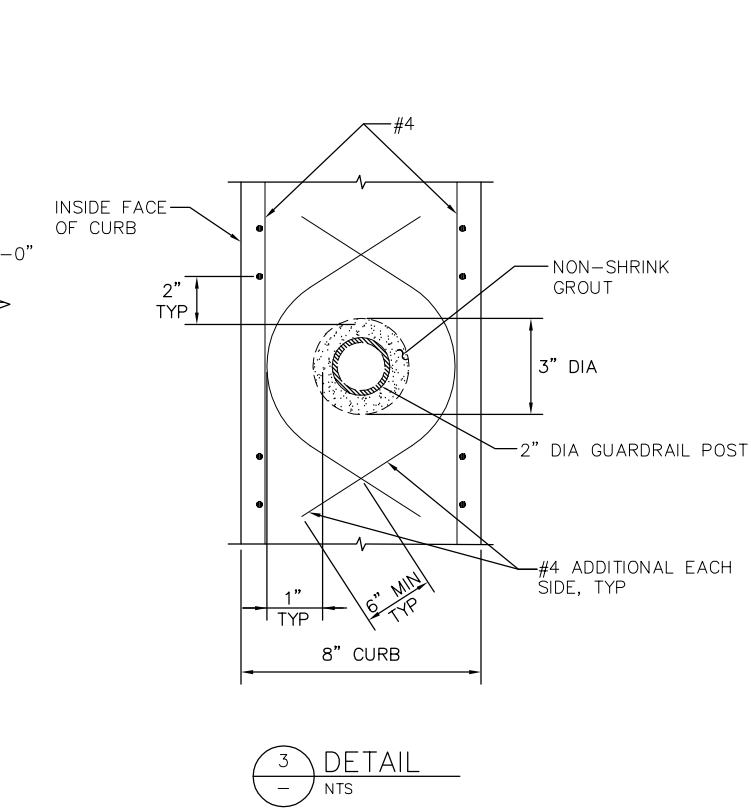
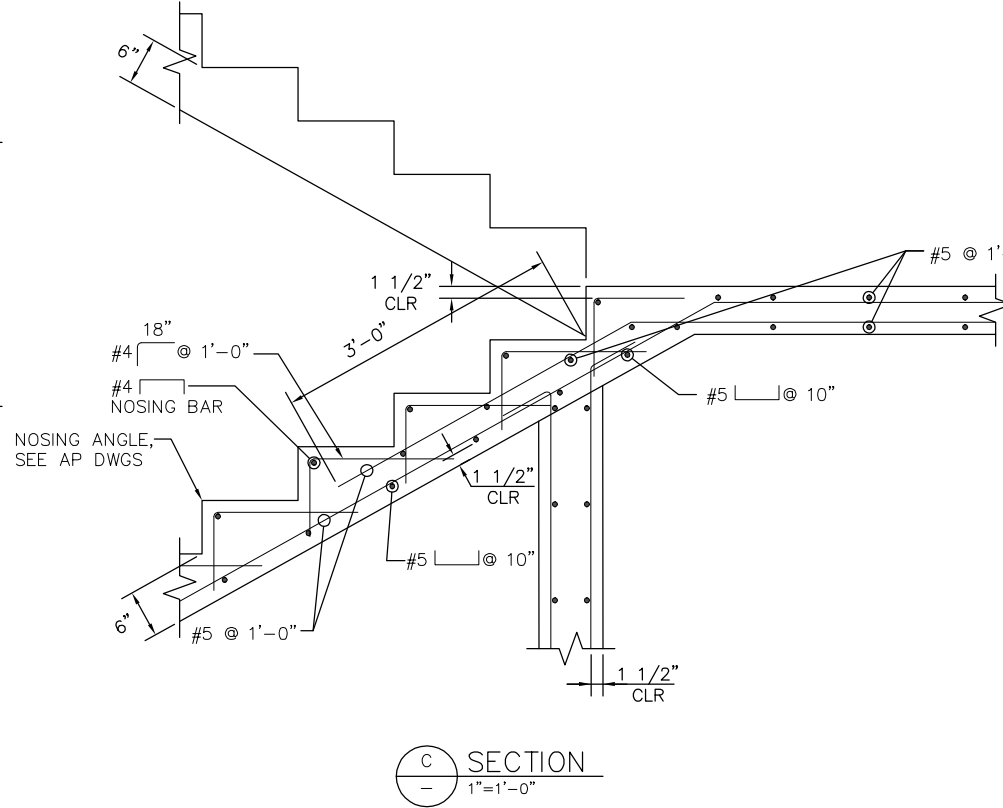
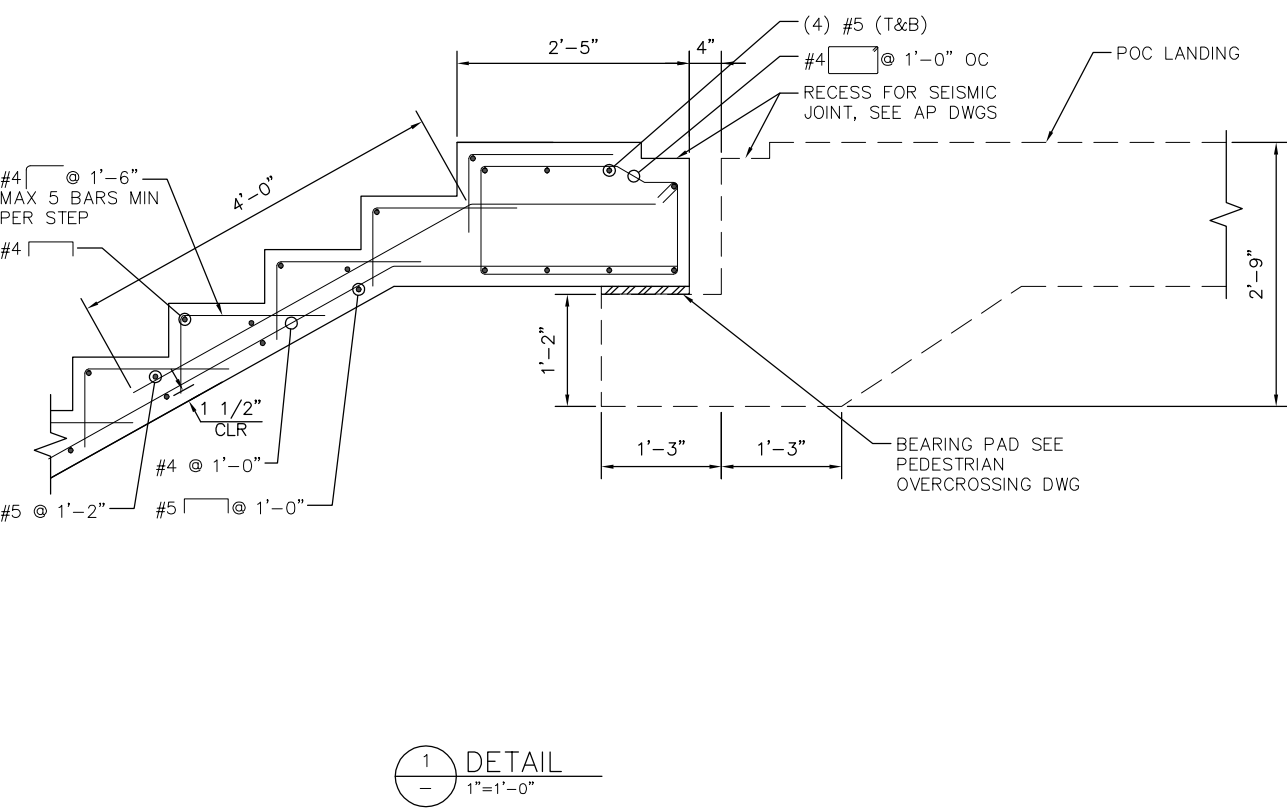
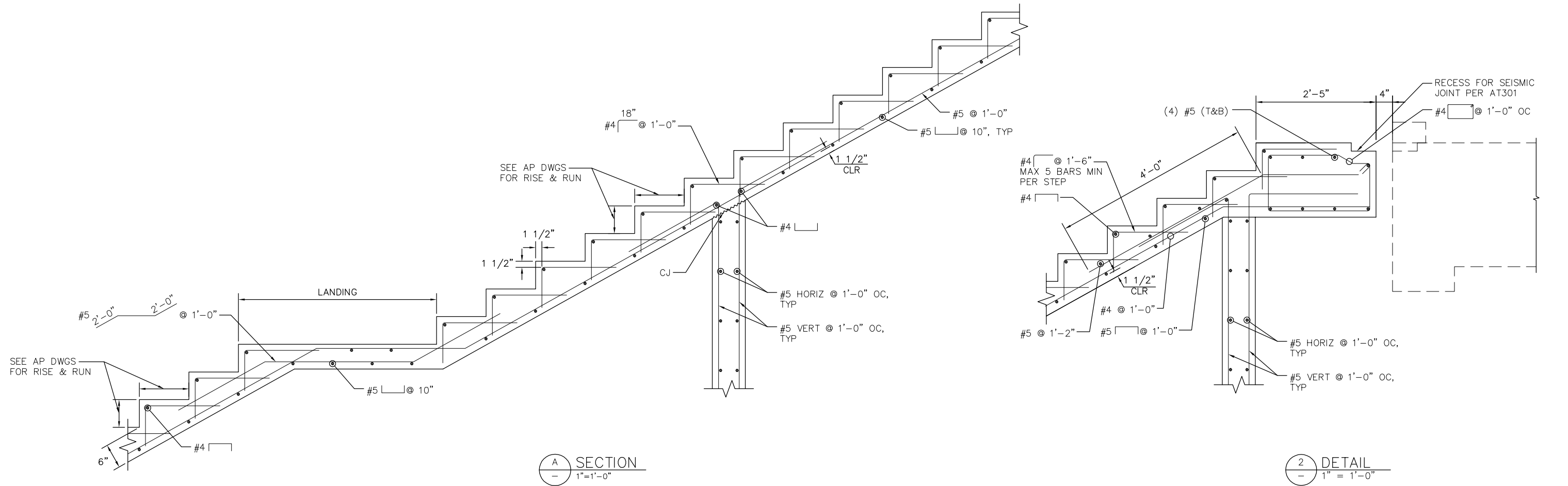
SUBMITTED		DESIGNED		CHECKED	
		R. MALIYAKKAL		F. FRANCO	
DRAWN		H. NUALLES		CADD FILE NAME	
				801SD520.dwg	



APPROVED		SCALE	
		AS SHOWN	
CADD FILE DATE		BOARD APPROVAL DATE	
06/29/20			
SUBMITTAL DATE			
06/29/20			

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION AND ACCESS STRUCTURES EAST & WEST ACCESS STRUCTURES STAIRS DETAILS No. 1			SHEET OF DRAWING NO. SD520 REVISION C
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	

H:\06 Jun 22, 2020 - 10:43am M:\SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SD_801SD521.dwg



NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



DESIGNED	R. MALIYAKKAL	CHECKED	F. FRANCO
DRAWN	H. NUALLES	CADD FILE NAME	801SD521.dwg

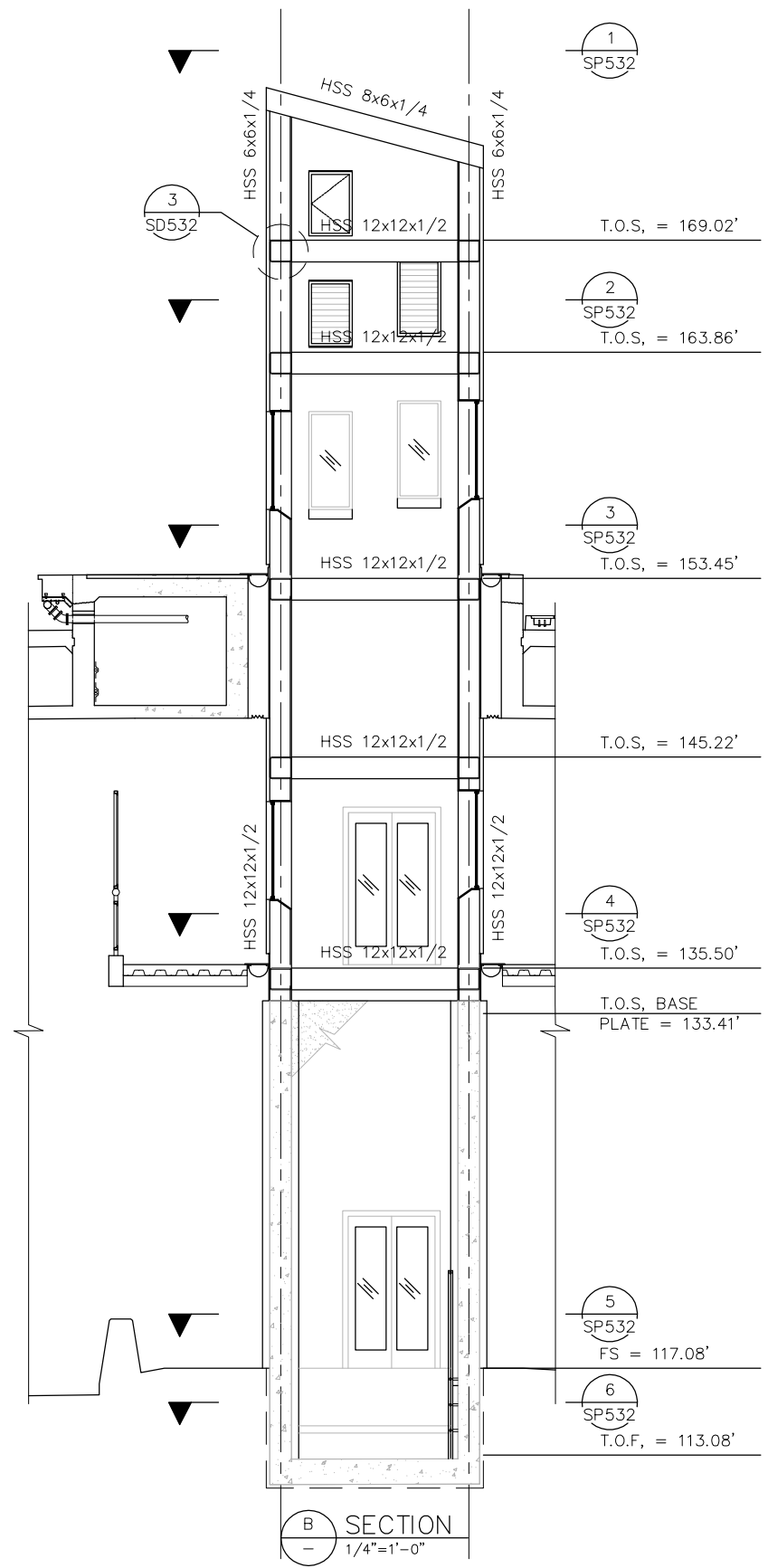
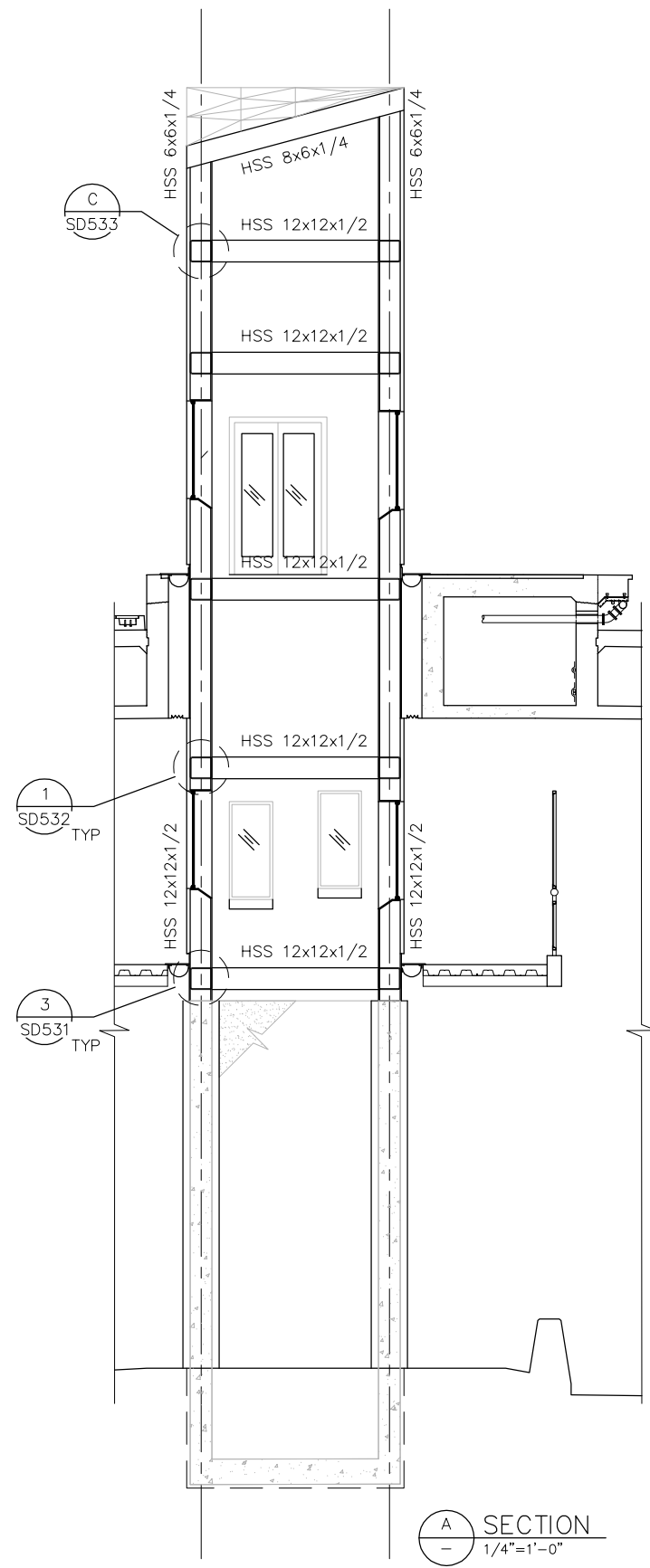


APPROVED	
CADD FILE DATE	06/29/20
SUBMITTAL DATE	06/29/20
SCALE	AS SHOWN
BOARD APPROVAL DATE	

EASTRIDGE TO BART REGIONAL CONNECTOR		
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT		
STRUCTURAL		
STORY STATION AND ACCESS STRUCTURES		
EAST & WEST ACCESS STRUCTURES STAIRS DETAILS No. 2		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	SD521
REVISION	C

H:\proj_2020 - 11:18am M:\SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SP_801SP531.dwg



NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



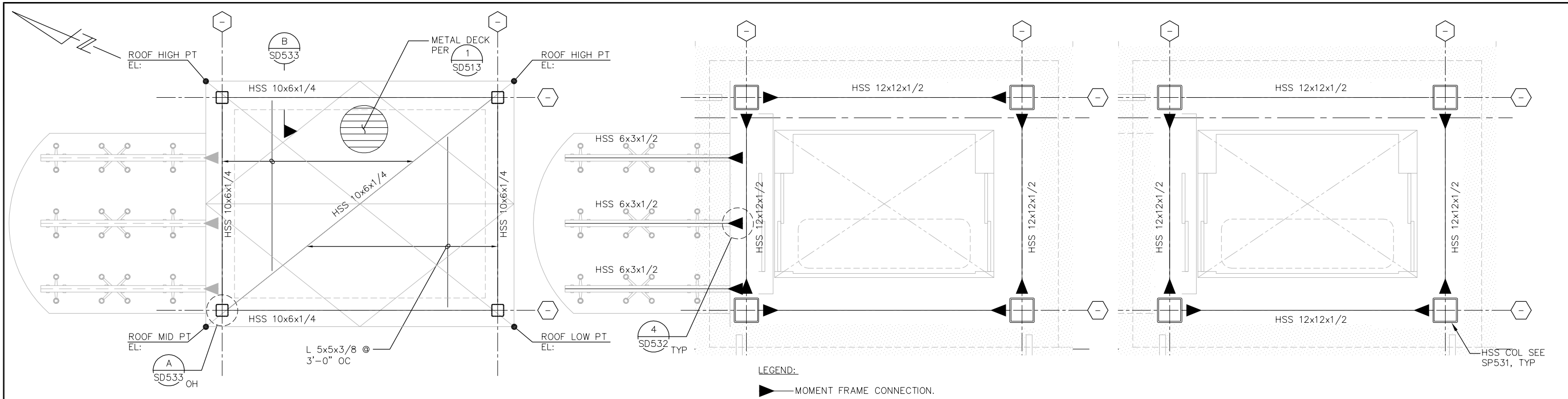
SUBMITTED SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED S. CASTRO	CHECKED F. FRANCO
DRAWN H. NUALLES	CADD FILE NAME 801SP531.dwg



APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 06/29/20	SCALE 1/4"=1'-0"
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION AND ACCESS STRUCTURES SOUTH MEDIAN ACCESS STRUCTURE ELEVATOR ELEVATIONS		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

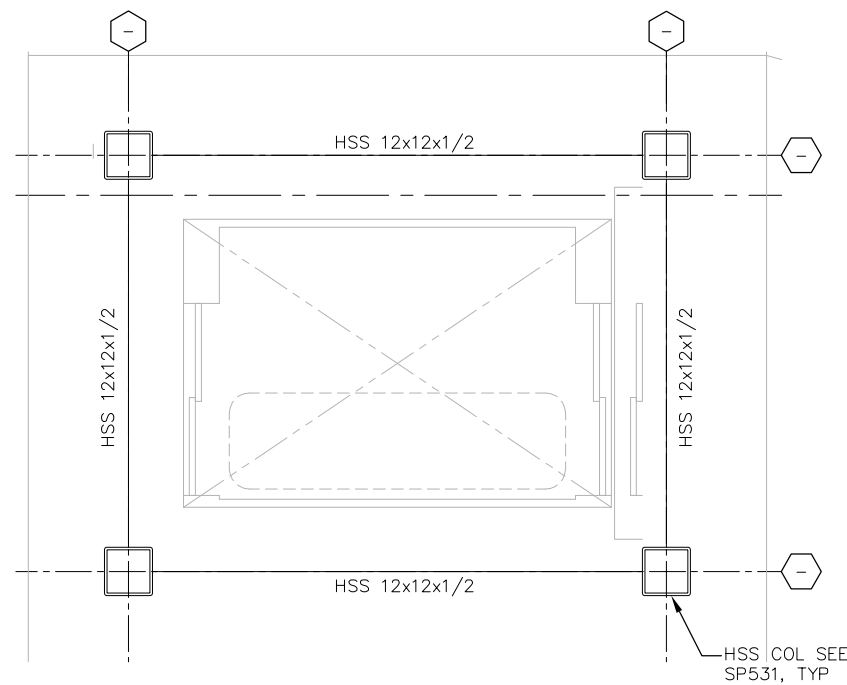
SHEET OF	DRAWING NO. SP531
REVISION C	



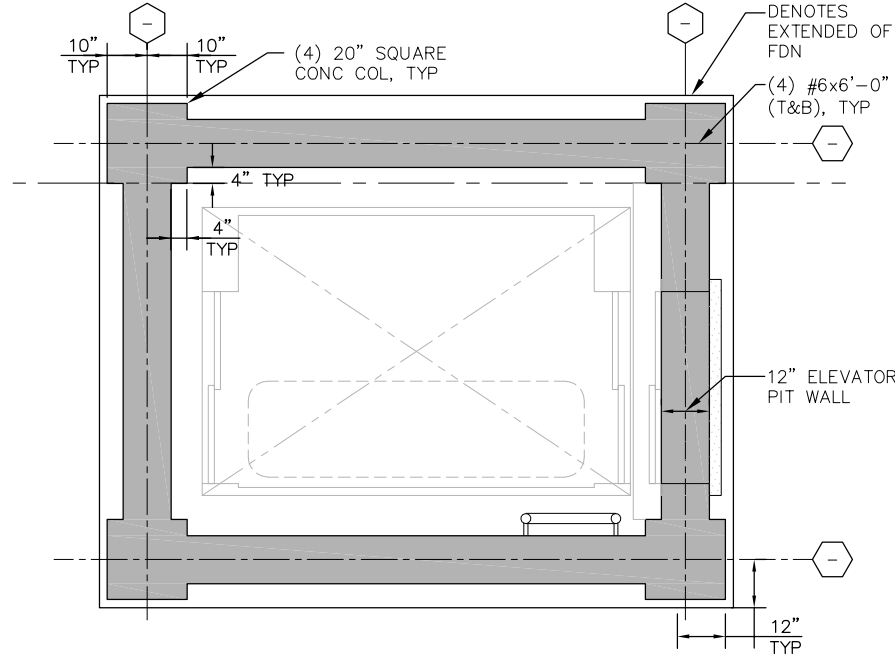
1 ROOF LEVEL ELEVATOR #3 PLAN
1/2"=1'-0"

2 PLATFORM LEVEL ELEVATOR #3 AT CANOPY
1/2"=1'-0"

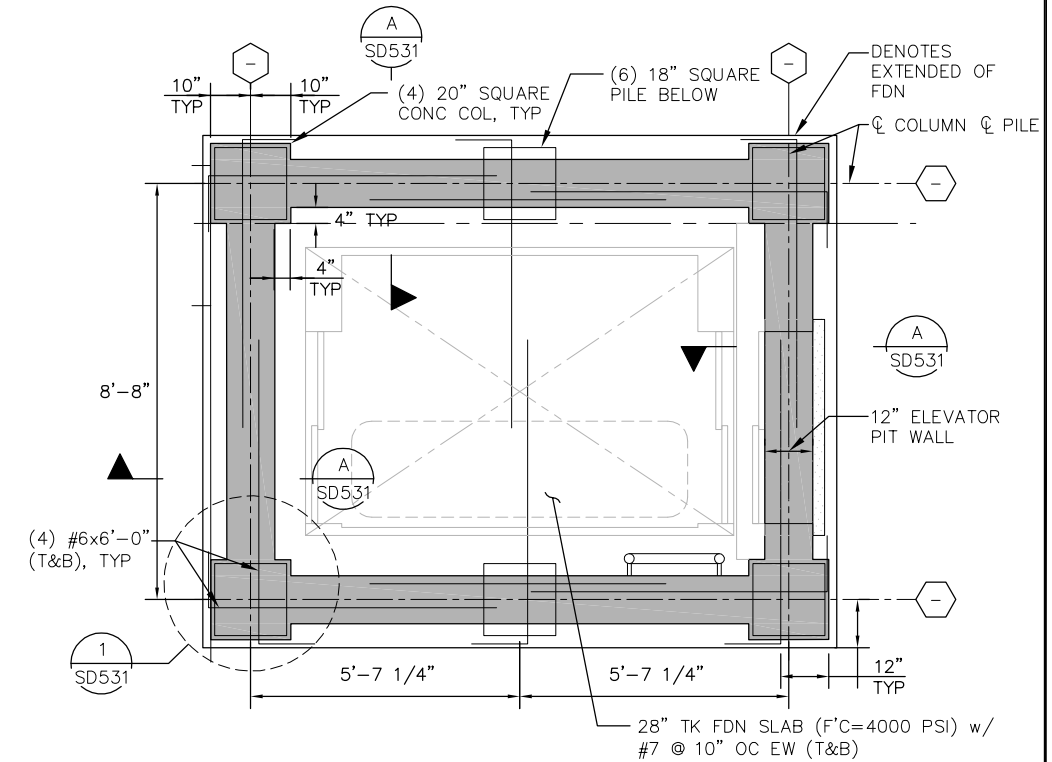
3 PLATFORM LEVEL ELEVATOR #3 PLAN
1/2"=1'-0"



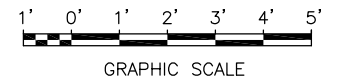
4 POC LEVEL ELEVATOR #3 PLAN
1/2"=1'-0"



5 GROUND FLOOR LEVEL ELEVATOR #3 PLAN
1/2"=1'-0"



6 FOUNDATION LEVEL ELEVATOR #3 PLAN
1/2"=1'-0"



H:\Info Jun 22, 2020 - 11:17am M:\SEG ARCHIVE\2018 Projects\Arch\12_05-12-20\DWG\SP_80\SP532.dwg
 Sierra Engineering Group

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



DESIGNED	S. CASTRO	CHECKED	F. FRANCO
DRAWN	H. NUALLES	CADD FILE NAME	801SP532.dwg

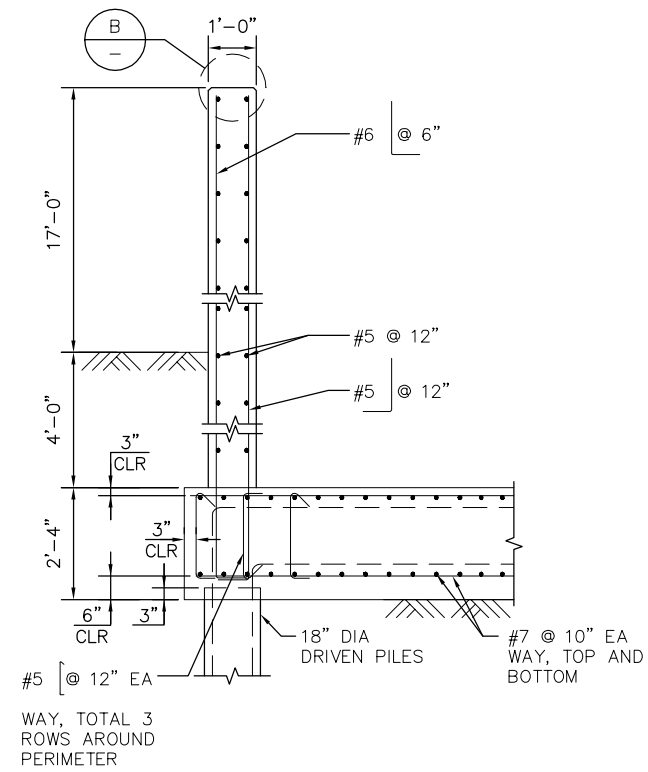


APPROVED	
CADD FILE DATE	06/29/20
SUBMITTAL DATE	06/29/20
SCALE	1/2"=1'-0"
BOARD APPROVAL DATE	

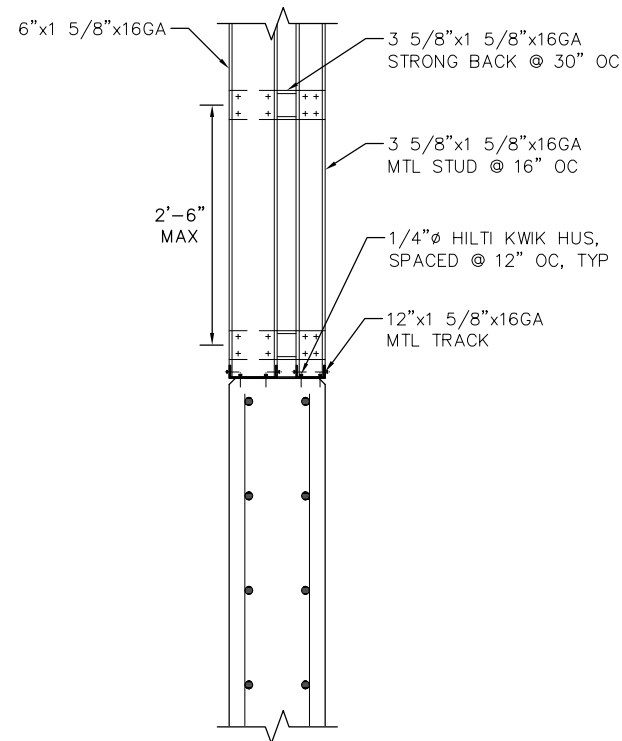
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL		
STORY STATION AND ACCESS STRUCTURES SOUTH MEDIAN ACCESS STRUCTURE ELEVATOR ENLARGED PLANS		
PCA NO.	000	CONTRACT NO.
		C801
FILE LOCATION	PROJECTWISE	

SHEET	OF
DRAWING NO.	SP532
REVISION	C

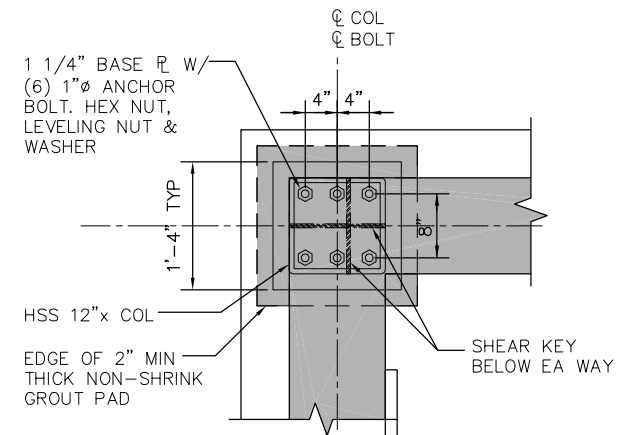
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A SECTION
1/2"=1'-0"

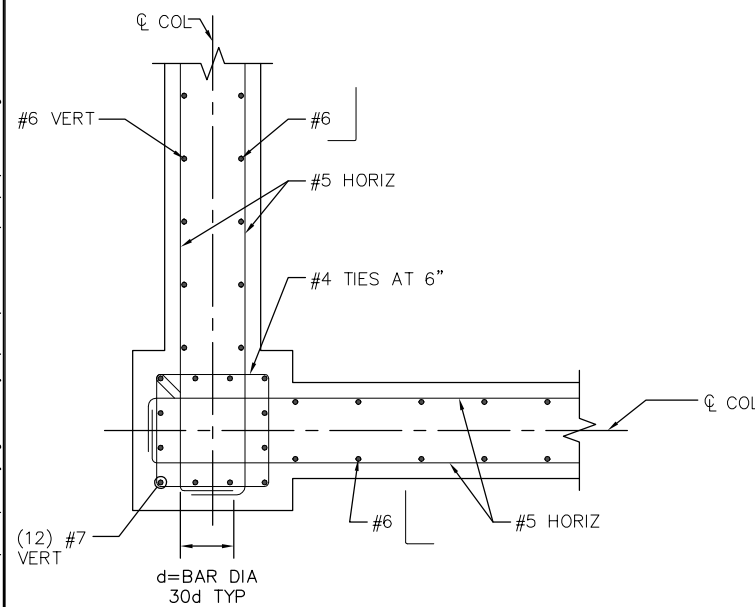


B SECTION
1"=1'-0"

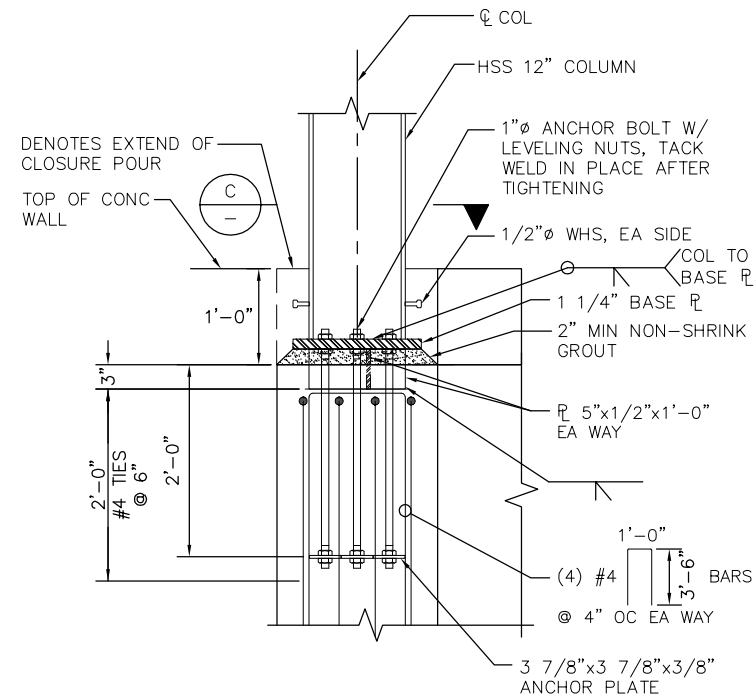


NOTE:
1. CONCRETE ANCHORS SHALL BE CAST IN CONCRETE w/ F'c=5000 PSI.

C SECTION
1"=1'-0"



1 DETAIL
1"=1'-0"



3 DETAIL
1"=1'-0"

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED	
TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED:	CHECKED:
S. CASTRO	F. FRANCO
DRAWN:	CADD FILE NAME:
H.NUALLES	801SD531.dwg

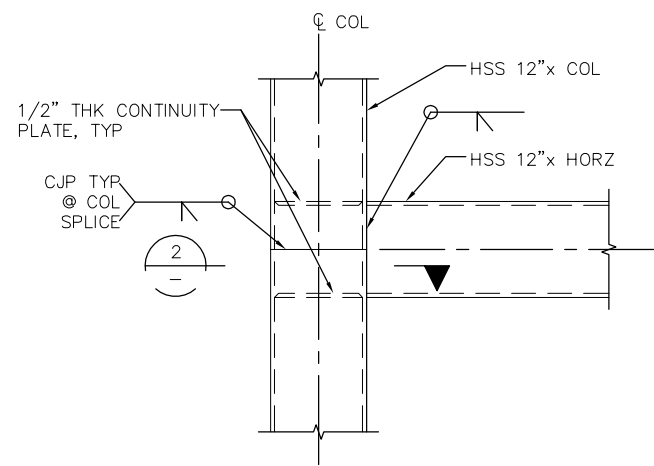


APPROVED	
CADD FILE DATE:	SCALE:
06/29/20	1" = 1'-0"
SUBMITTAL DATE:	BOARD APPROVAL DATE:
06/29/20	

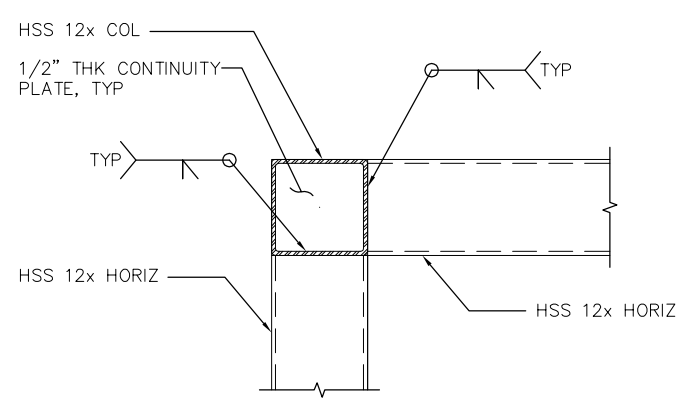
EASTRIDGE TO BART REGIONAL CONNECTOR		
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT		
STRUCTURAL		
STORY STATION AND ACCESS STRUCTURES		
SOUTH MEDIAN ACCESS STRUCTURES ELEVATORS DETAILS No. 1		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	SD531
REVISION	C

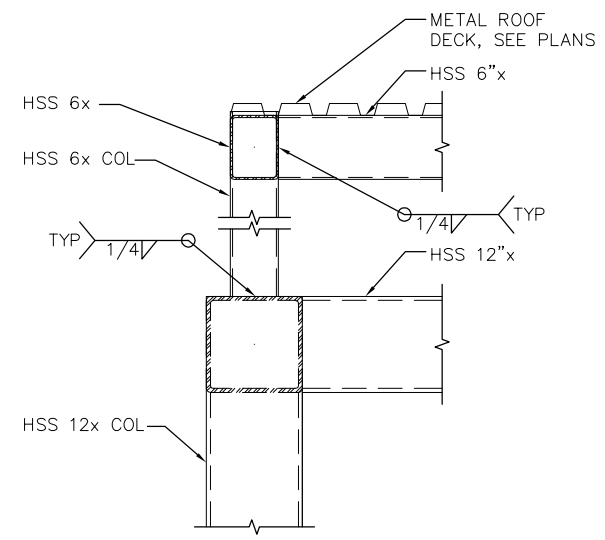
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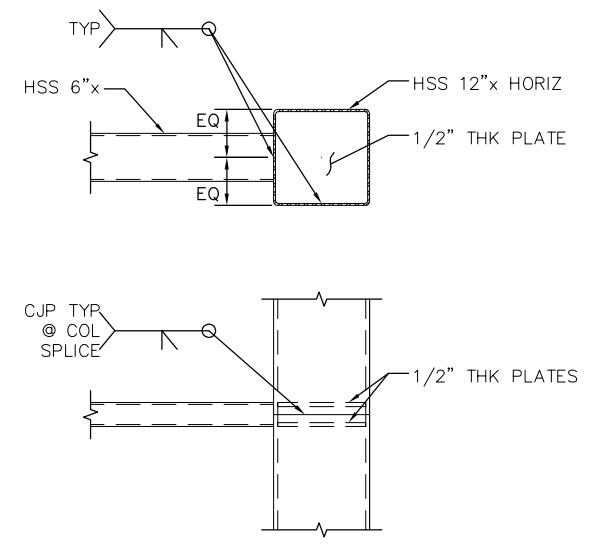
1
-
1"=1'-0"



2
-
1"=1'-0"



3
-
1"=1'-0"



4
-
1"=1'-0"

AT MOMENT FRAMES:

1. USE PRE-QUALIFIED SHEAR \mathcal{P} GEOMETRY - SEE DETAILS
2. ALL COMPLETE PENETRATION GROOVE WELDS TO BE TESTED 100 PERCENT BY ULTRASONIC TESTING OR BY RADIOGRAPHY.
3. WELD FILLER METAL FOR THE PENETRATION GROOVE WELDS ARE TO HAVE A MINIMUM CHARPY V-NOTCH TOUGHNESS VALUE OF 20FT-LB AT 0° F.

5
-
MOMENT FRAME NOTES
NTS

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED:	CHECKED:
S. CASTRO	F. FRANCO
DRAWN:	CADD FILE NAME:
H.NUALLES	801SD532.dwg

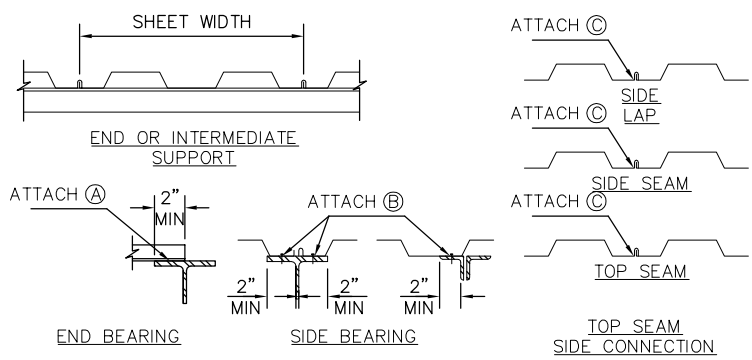
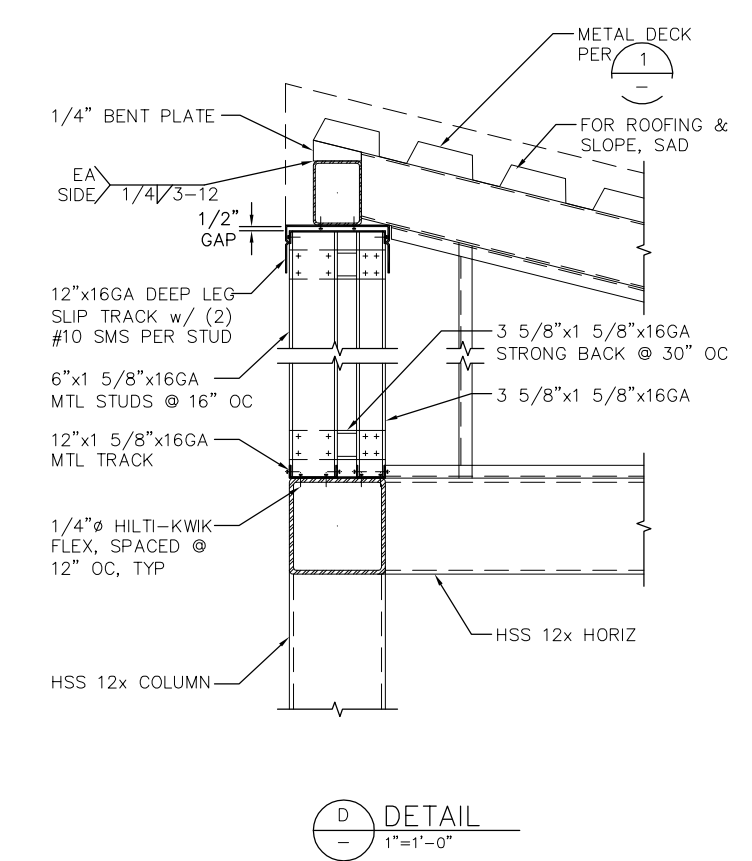
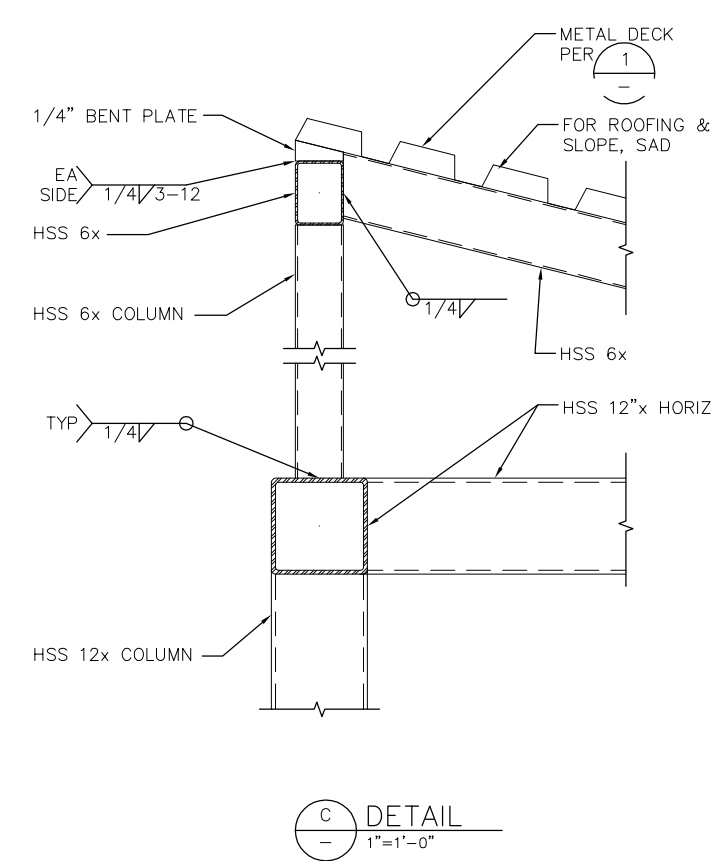
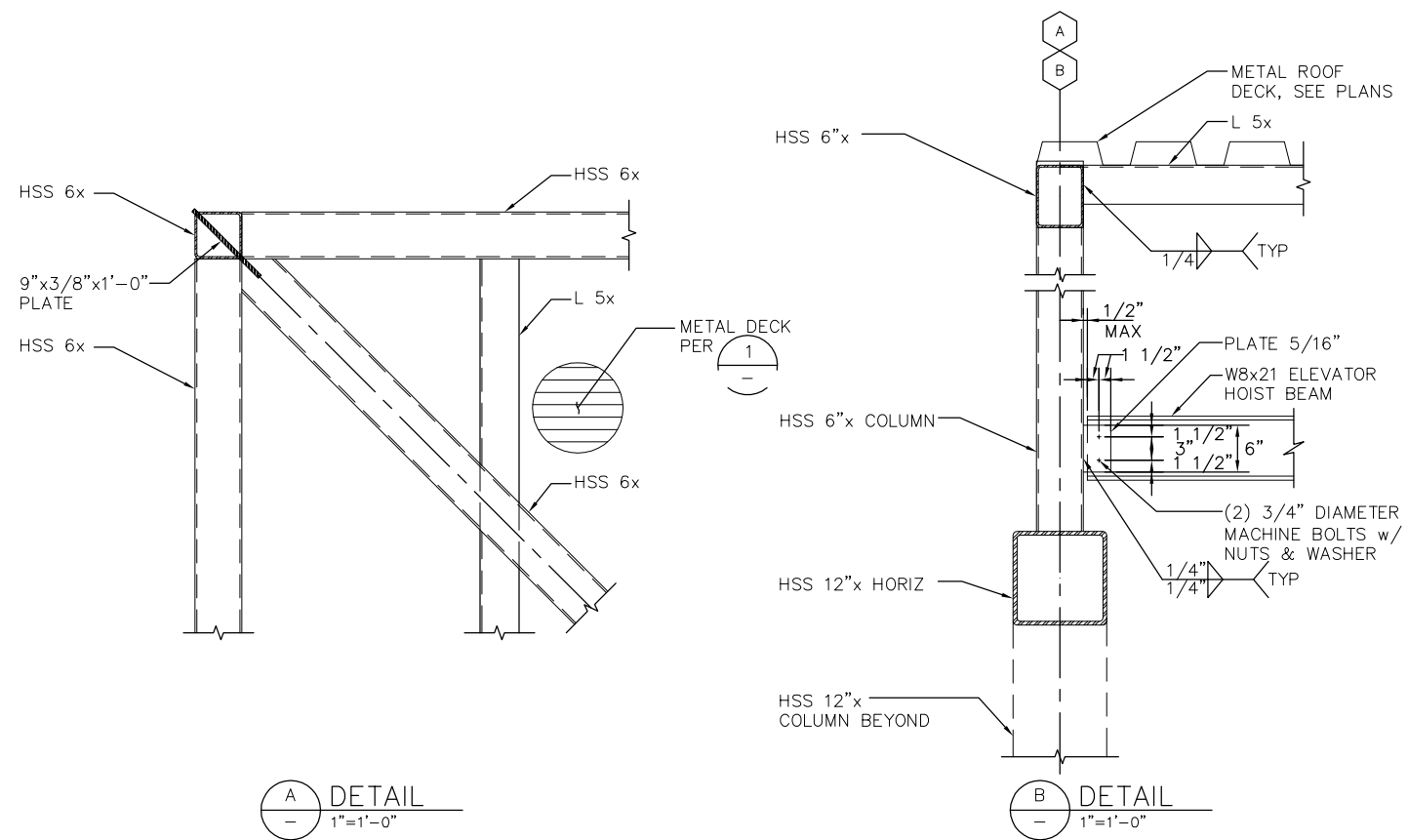


APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE:	SCALE:
06/29/20	AS NOTED
SUBMITTAL DATE:	BOARD APPROVAL DATE:
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION AND ACCESS STRUCTURES EAST & WEST ACCESS STRUCTURES ELEVATORS DETAILS No. 2		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	SD532
REVISION	C

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 Jun 22, 2020 - 10:42am M:\SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SD_801SD533.dwg



TYPICAL STEEL DECK ATTACHMENT DETAILS

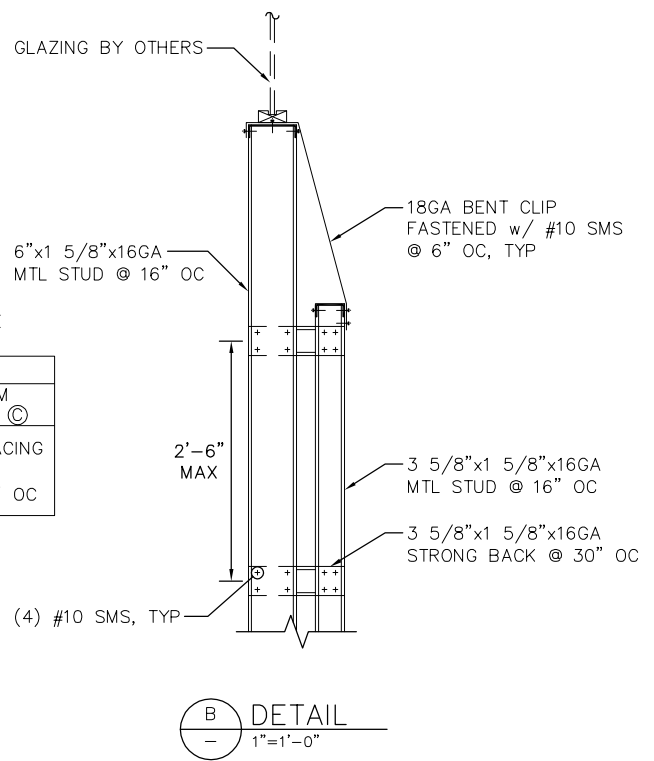
NOTE: ATTACHMENT DETAILS ARE ALSO APPLICABLE AT WIDE FLANGES, ANGLES AND HSS WHERE THEY OCCUR.

DECK PROFILE	DECK ATTACHMENT							
	MOMENT OF INERTIA		AT PERPENDICULAR SUPPORTS (A)		AT PARALLEL SUPPORTS (B)		DECK SEAM CONNECTION (C)	
	Sp IN ³	Sn IN ³	SIZE & TYPE	# PER SHEET	SIZE & TYPE	SPACING	SIZE & TYPE	SPACING
18GA 1 1/2"	0.314	0.331	5/8"x1" PUDDLEWELD	4	5/8"x1" PUDDLEWELD	12" OC	5/8"x1/2" SEAMWELD	12" OC

NOTE:

- ATTACHMENT OF DECK TO FRAMING SUPPORT SHALL CONFORM TO SCHEDULE ABOVE.
- INSTALLATION PROCEDURE & ATTACHMENT SHALL CONFORM TO MANUFACTURER SPECIFICATIONS

1 DECK ATTACHMENT SCHEDULE
NTS



NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



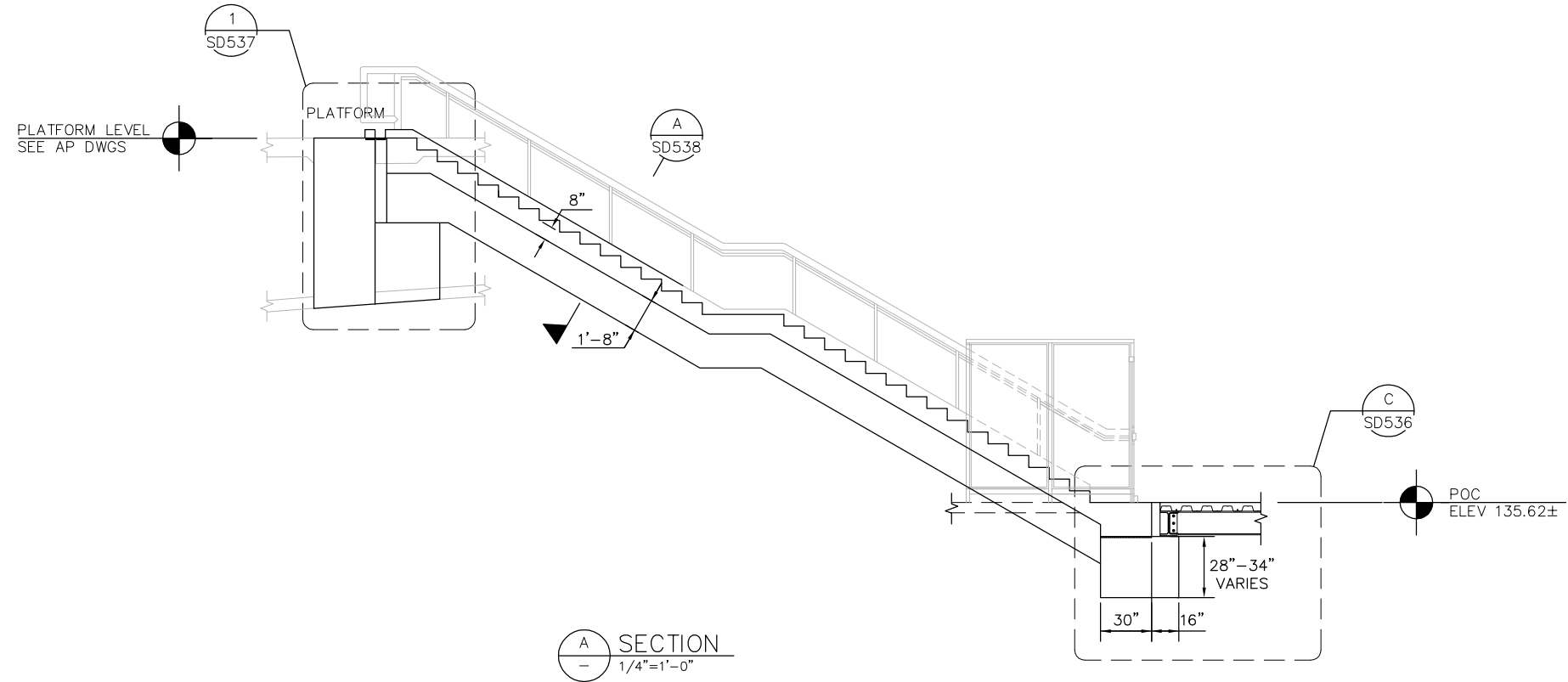
SUBMITTED SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	DESIGNED S. CASTRO	CHECKED F. FRANCO
DRAWN H.NUALLES	CADD FILE NAME 801SD533.dwg	



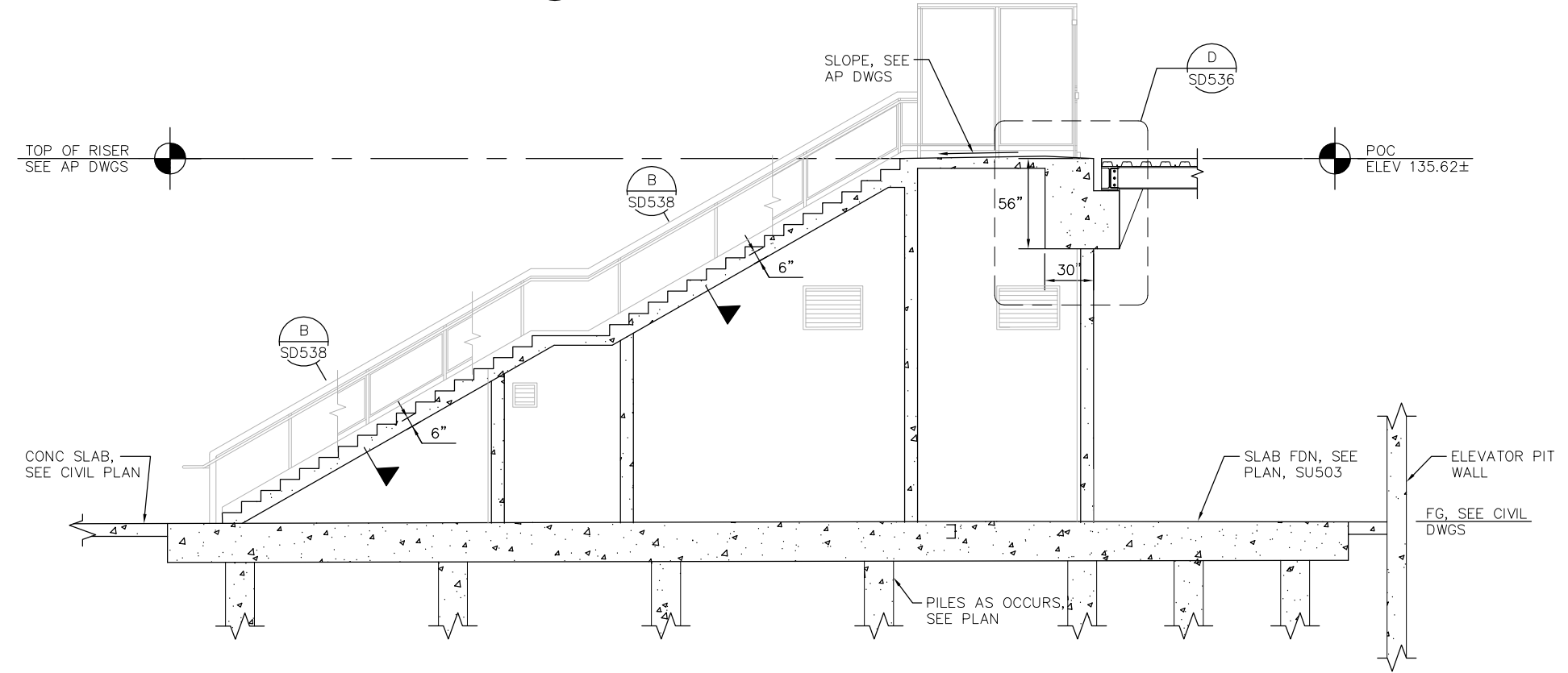
APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	SCALE AS NOTED
CADD FILE DATE 06/29/20	BOARD APPROVAL DATE
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION AND ACCESS STRUCTURES EAST & WEST ACCESS STRUCTURES ELEVATORS DETAILS No. 2			SHEET OF DRAWING NO. SD533 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

H:\Info Jun 22, 2020 - 10:41am M:\SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SD\801SD535.dwg



A SECTION
1/4"=1'-0"



B SECTION
1/4"=1'-0"

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



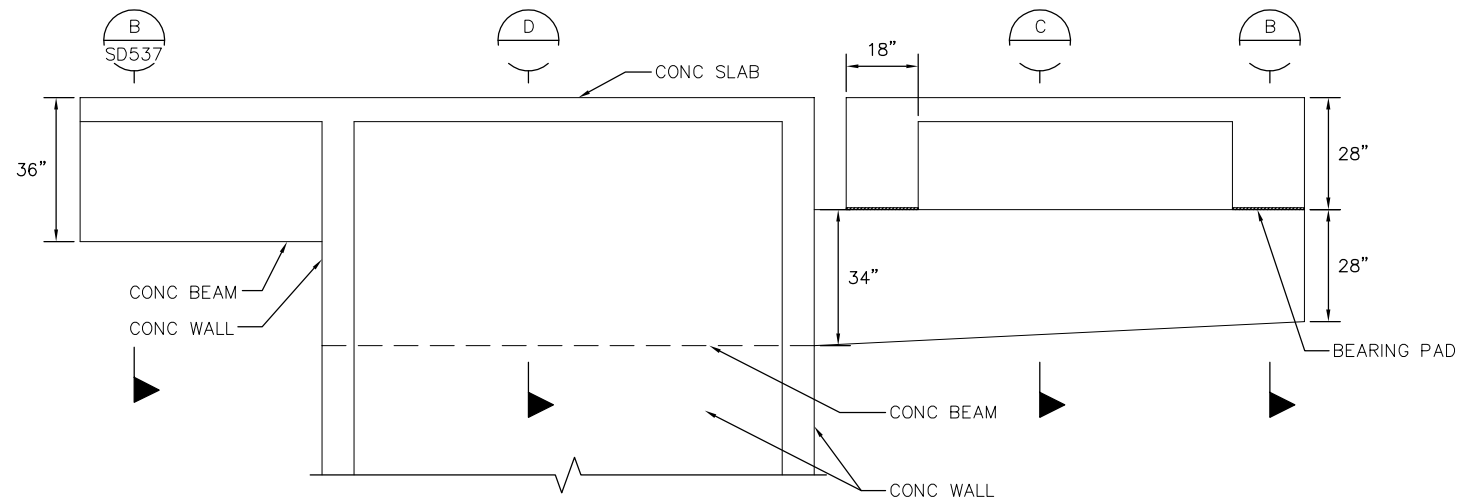
DESIGNED R. MALIYAKKAL	CHECKED F. FRANCO
DRAWN H. NUALLES	CADD FILE NAME 801SD535.dwg



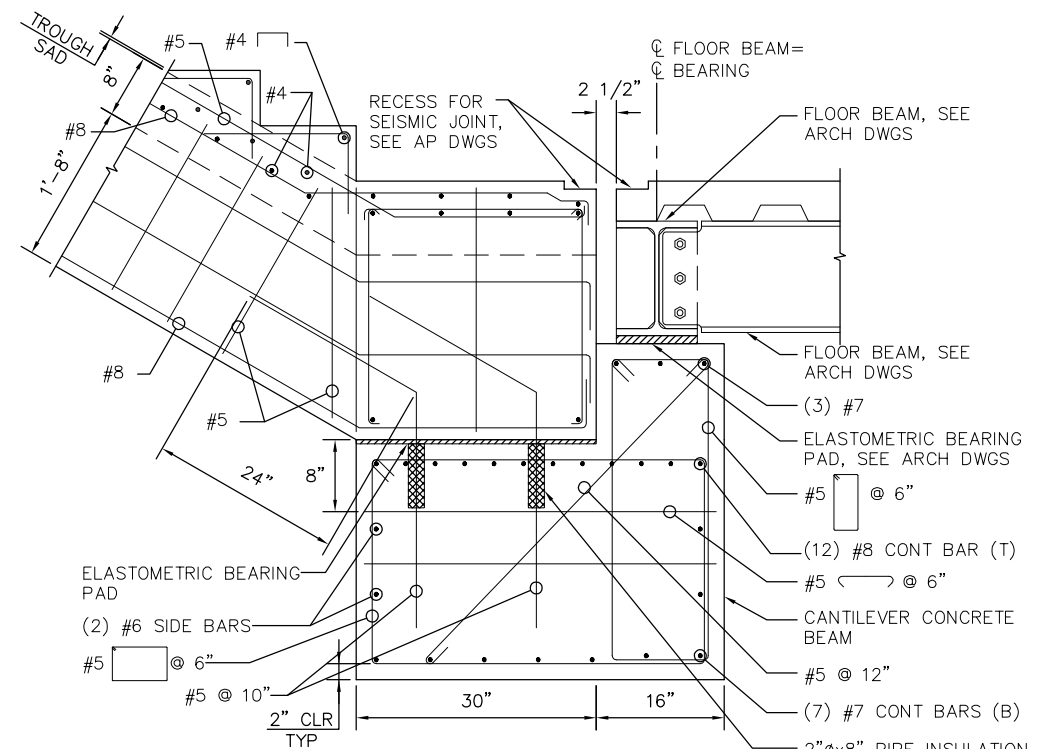
APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 06/29/20	SCALE AS SHOWN
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION AND ACCESS STRUCTURES SOUTH MEDIAN ACCESS STRUCTURES STAIRS SECTIONS		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

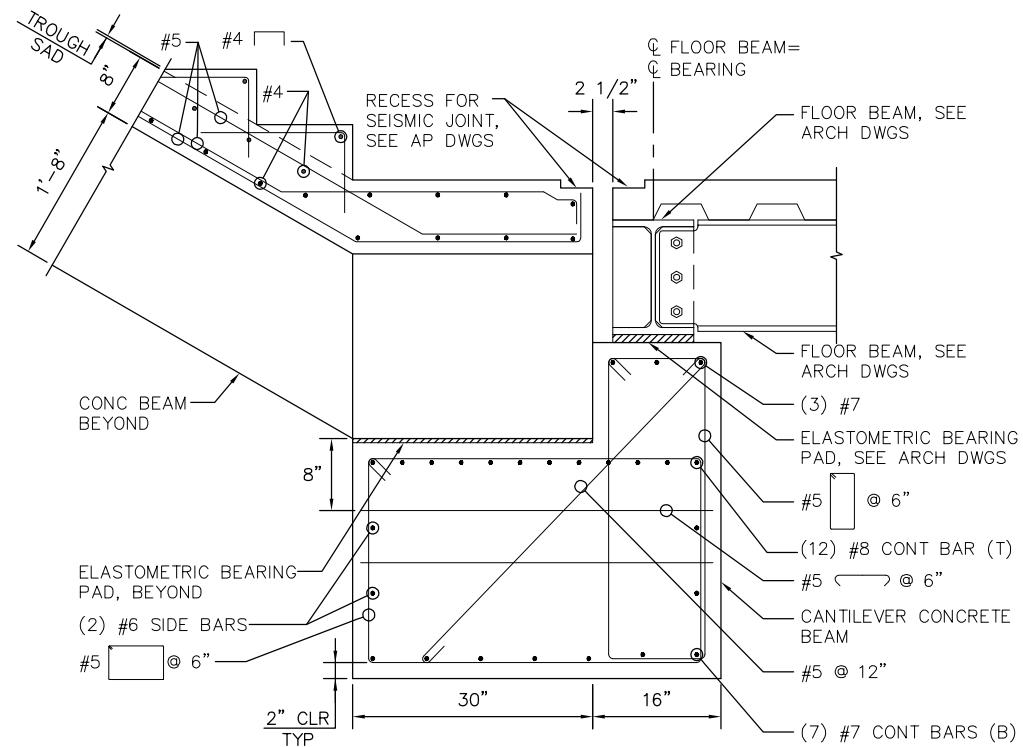
SHEET OF	DRAWING NO. SD535
REVISION C	



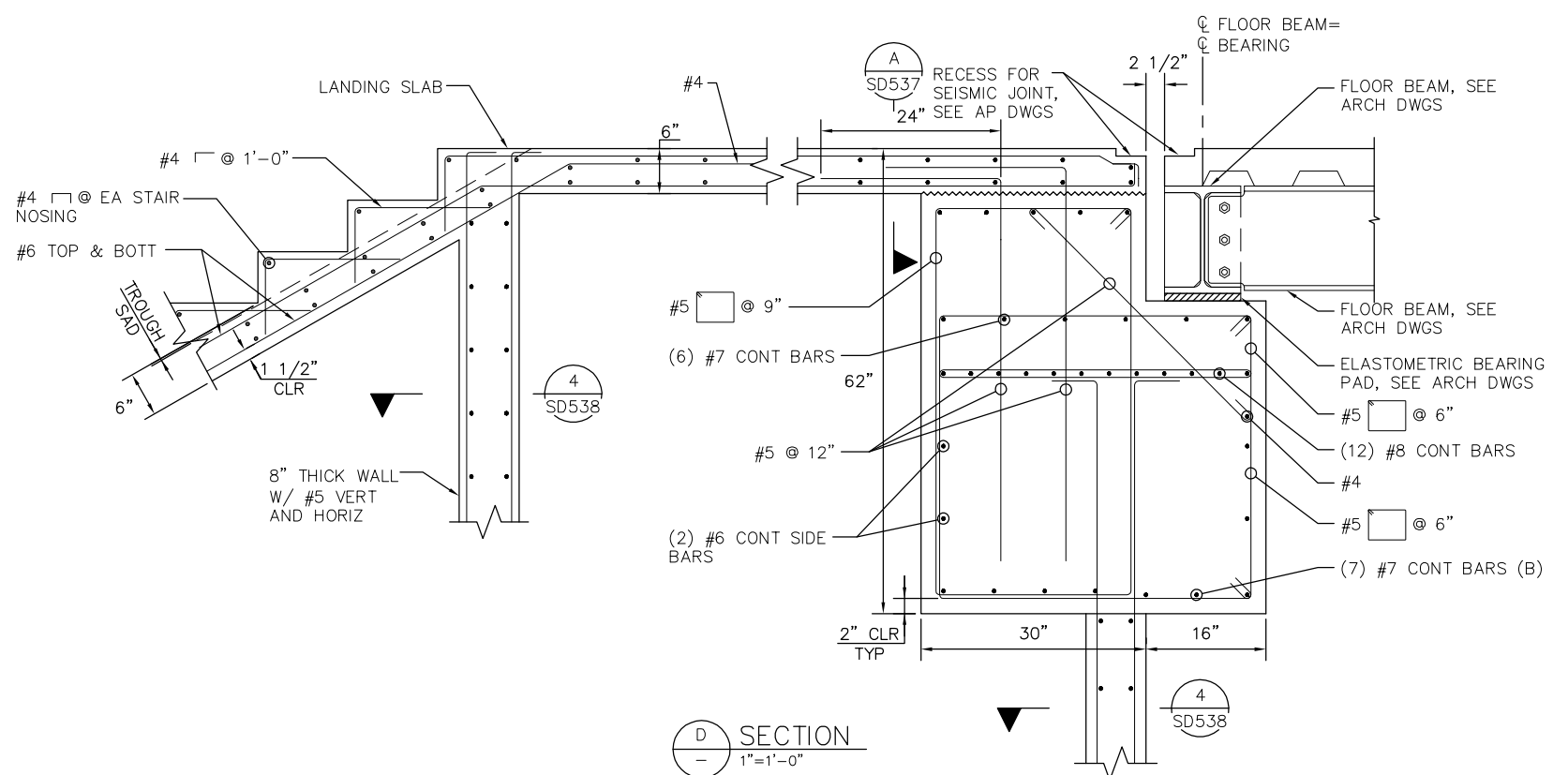
A SECTION
1/2"=1'-0"



B SECTION
1"=1'-0"



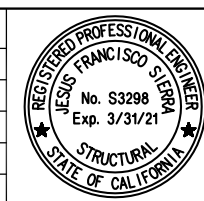
C SECTION
1"=1'-0"



D SECTION
1"=1'-0"

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED	
DESIGNED	CHECKED
R. MALIYAKKAL	F. FRANCO
DRAWN	CADD FILE NAME
H.NUALLES	801SD536.dwg

Santa Clara Valley
Transportation
Authority

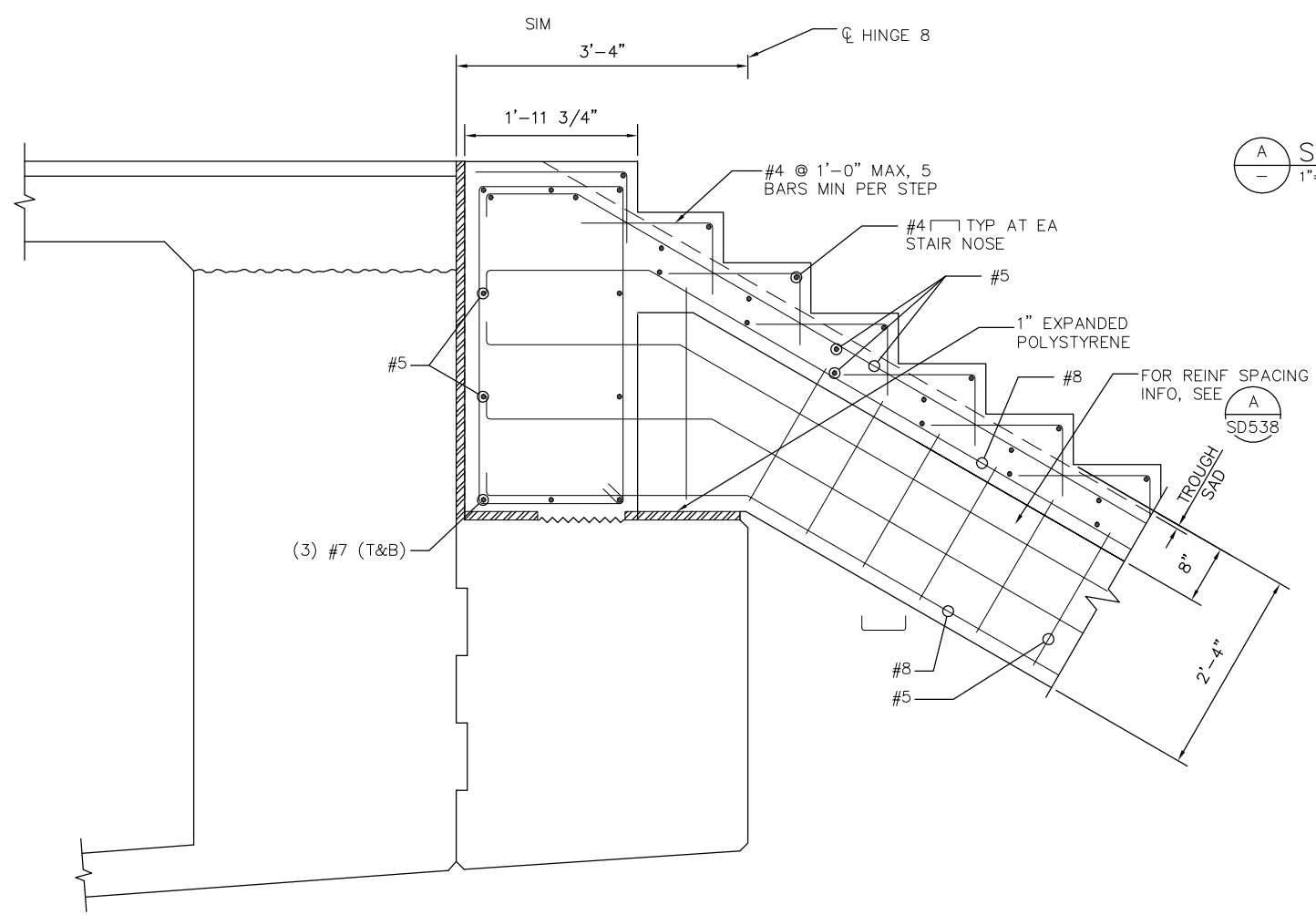
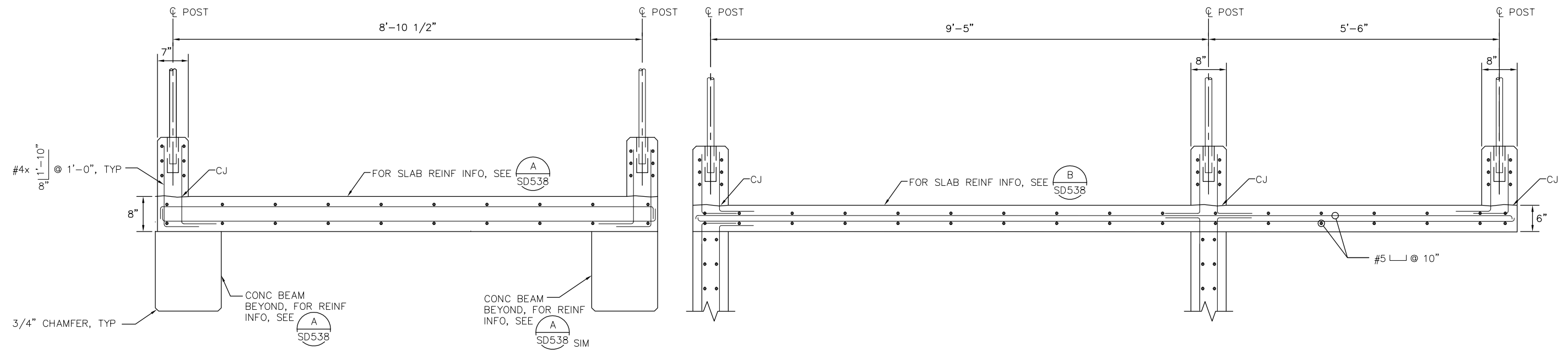
BKF 100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE	SCALE
06/29/20	AS SHOWN
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

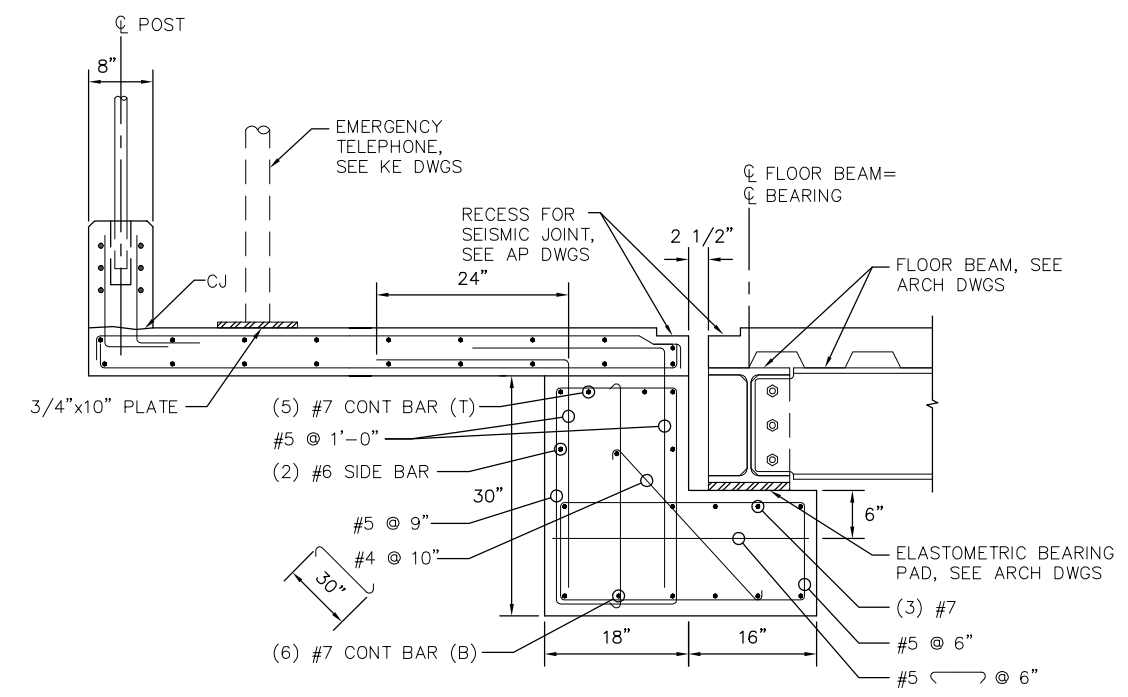
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL		
STORY STATION AND ACCESS STRUCTURES SOUTH MEDIAN ACCESS STRUCTURE STAIR DETAILS		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	SD536
REVISION	C

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A SECTION
 1"=1'-0"



B SECTION
 1"=1'-0"

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



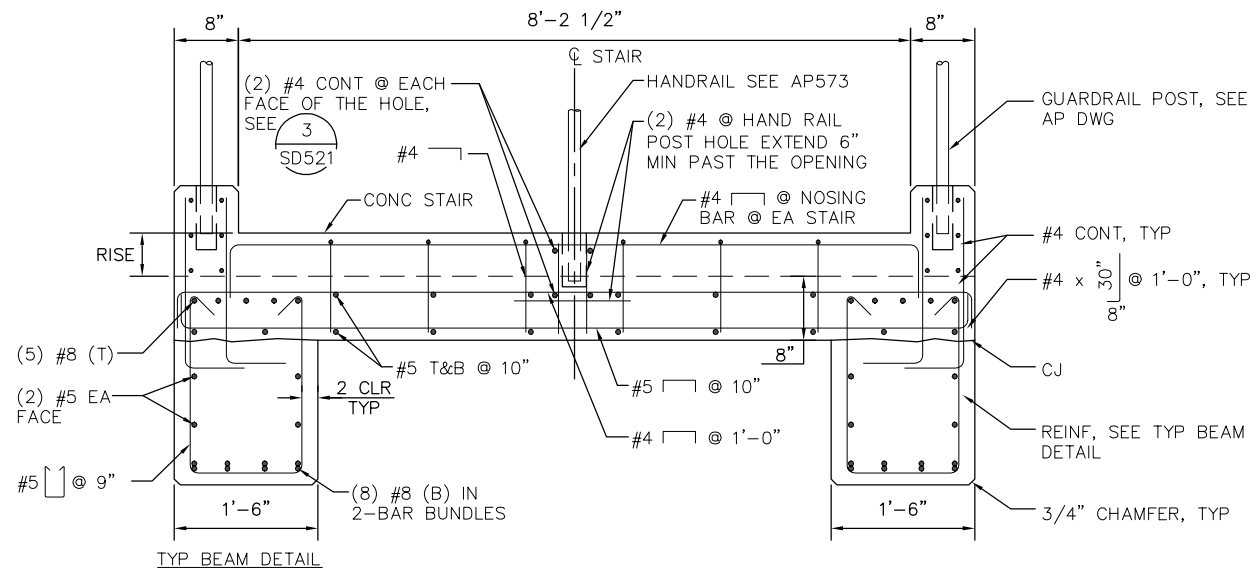
SUBMITTED SIERRA ENGINEERING GROUP		TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440
DESIGNED R. MALIYAKKAL	CHECKED F. FRANCO	
DRAWN H. NUALLES	CADD FILE NAME 801SD537.dwg	



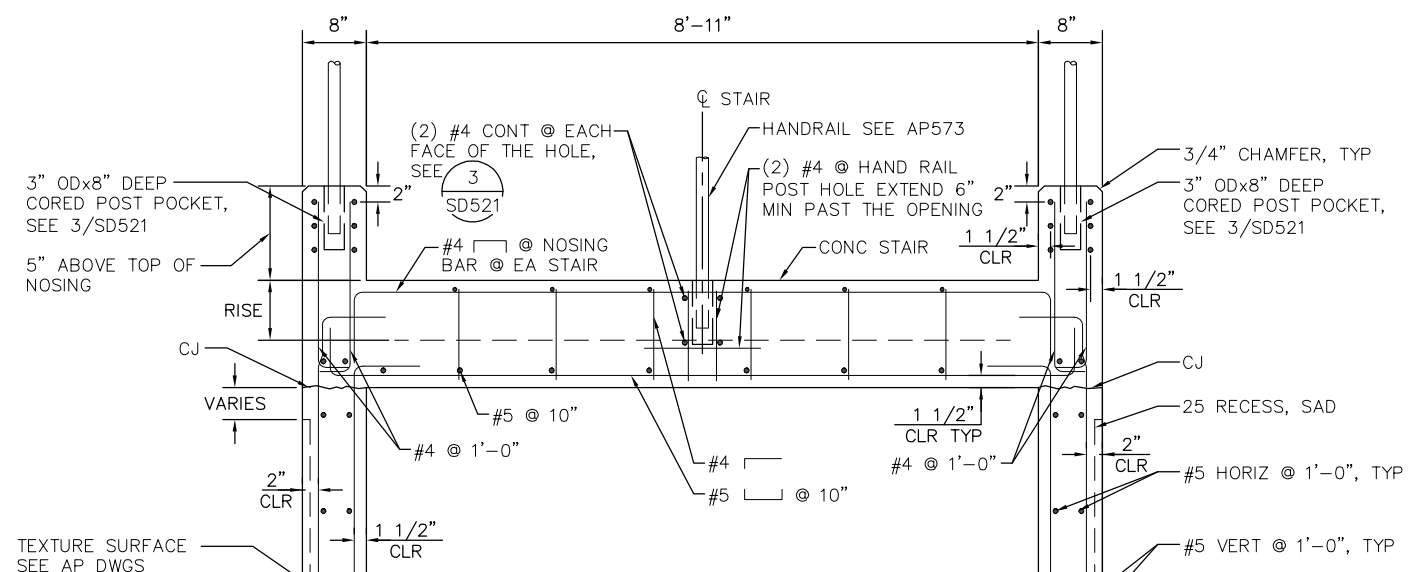
APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 06/29/20	SCALE AS SHOWN
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION AND ACCESS STRUCTURES SOUTH MEDIAN ACCESS STRUCTURE STAIR DETAILS			SHEET OF DRAWING NO. SD537 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

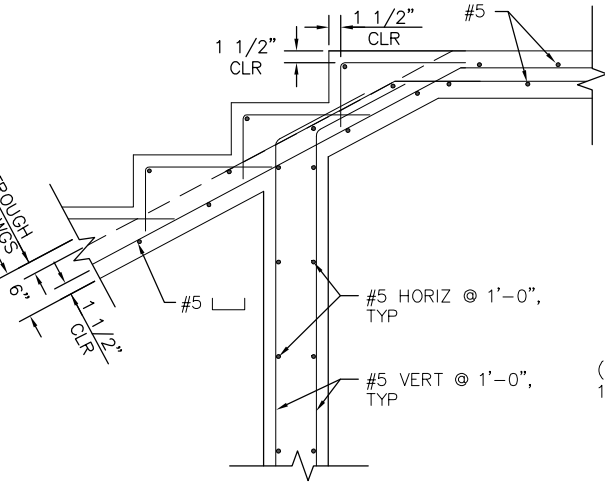
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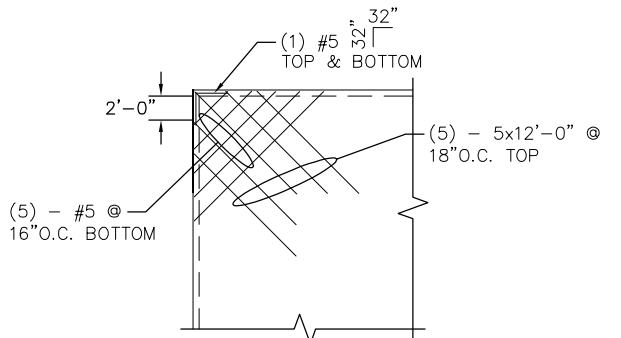
A SECTION
1"=1'-0"



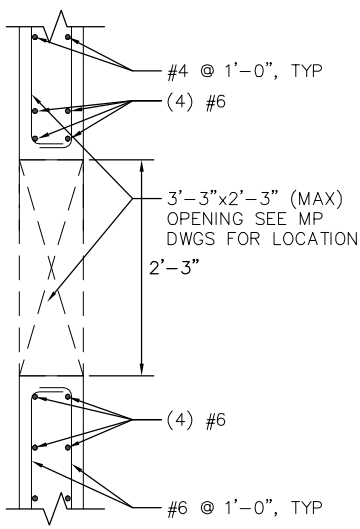
B SECTION
1"=1'-0"



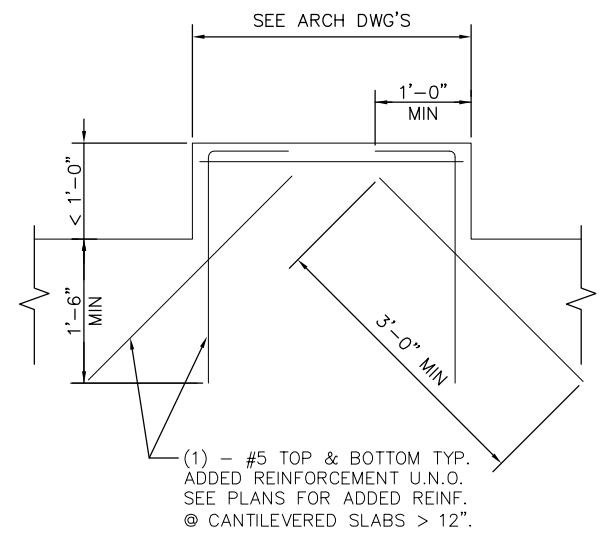
C SECTION
1"=1'-0"



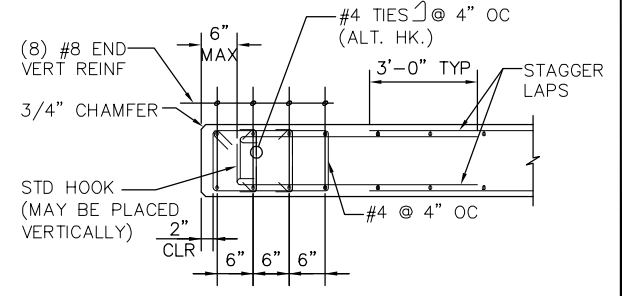
1 TRIM BARS AT SUPPORTED SLAB EDGES
1/8"=1'-0"



2 DETAIL
1"=1'-0"



3 TRIM BARS AT CANTILEVERED SLAB
1"=1'-0"



4 8-BAR END PLAN SECTION
3/4"=1'-0"

NOTE:
FOR WALL REINF, SEE
WALL SECTION

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



DESIGNED	R. MALIYAKKAL	CHECKED	F. FRANCO
DRAWN	H. NUALLES	CADD FILE NAME	801SD538.dwg

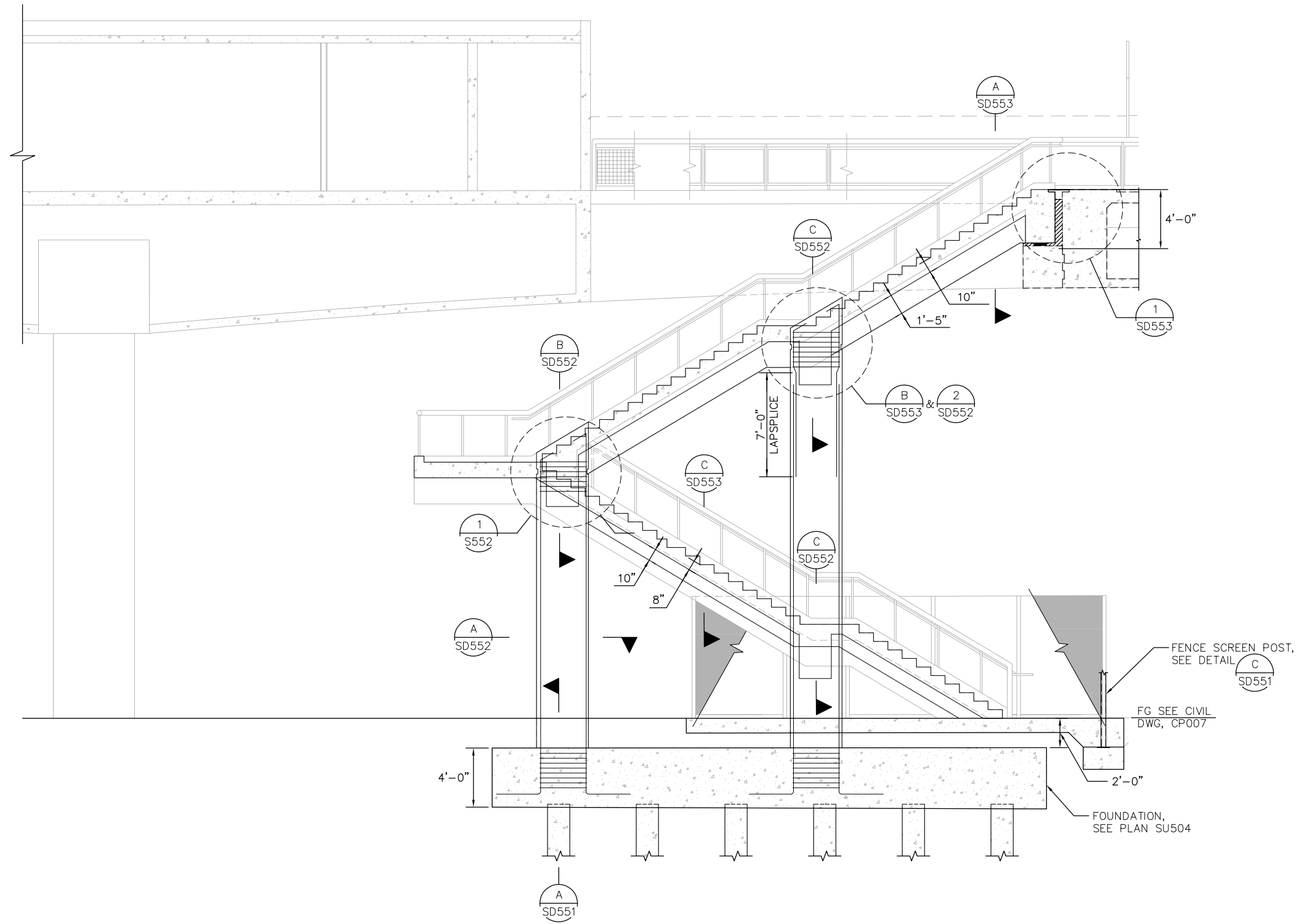


APPROVED	BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS
CADD FILE DATE	06/29/20
SUBMITTAL DATE	06/29/20
SCALE	AS SHOWN
BOARD APPROVAL DATE	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL		
STORY STATION AND ACCESS STRUCTURES SOUTH MEDIAN ACCESS STRUCTURE STAIR DETAILS		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	SD538
REVISION	C

H:\2020 - 10-30am M\SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SD_801SD550.dwg



SECTION
 1/4" = 1'-0"



NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET

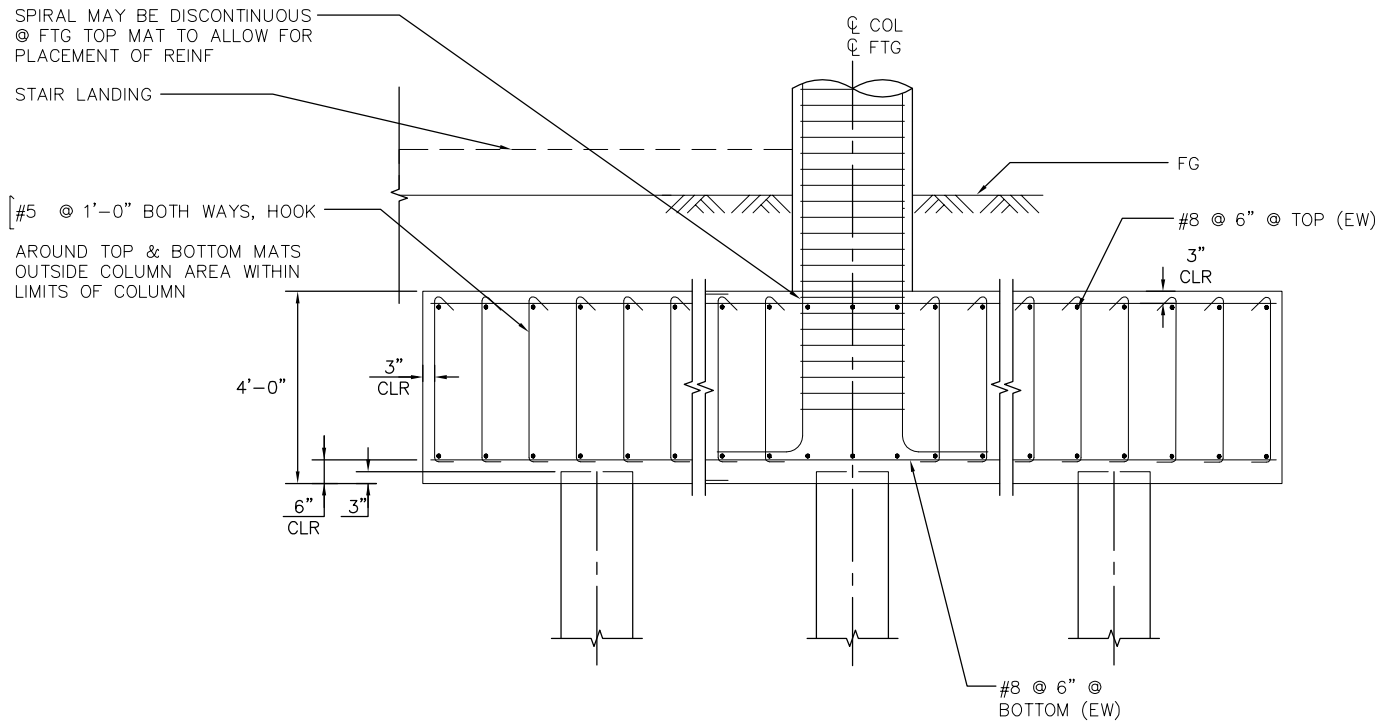


SUBMITTED SIERRA ENGINEERING GROUP		TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED:	R. MALIYAKKAL	CHECKED:	F. FRANCO
DRAWN:	H. NUALLES	CADD FILE NAME:	801SD550.dwg

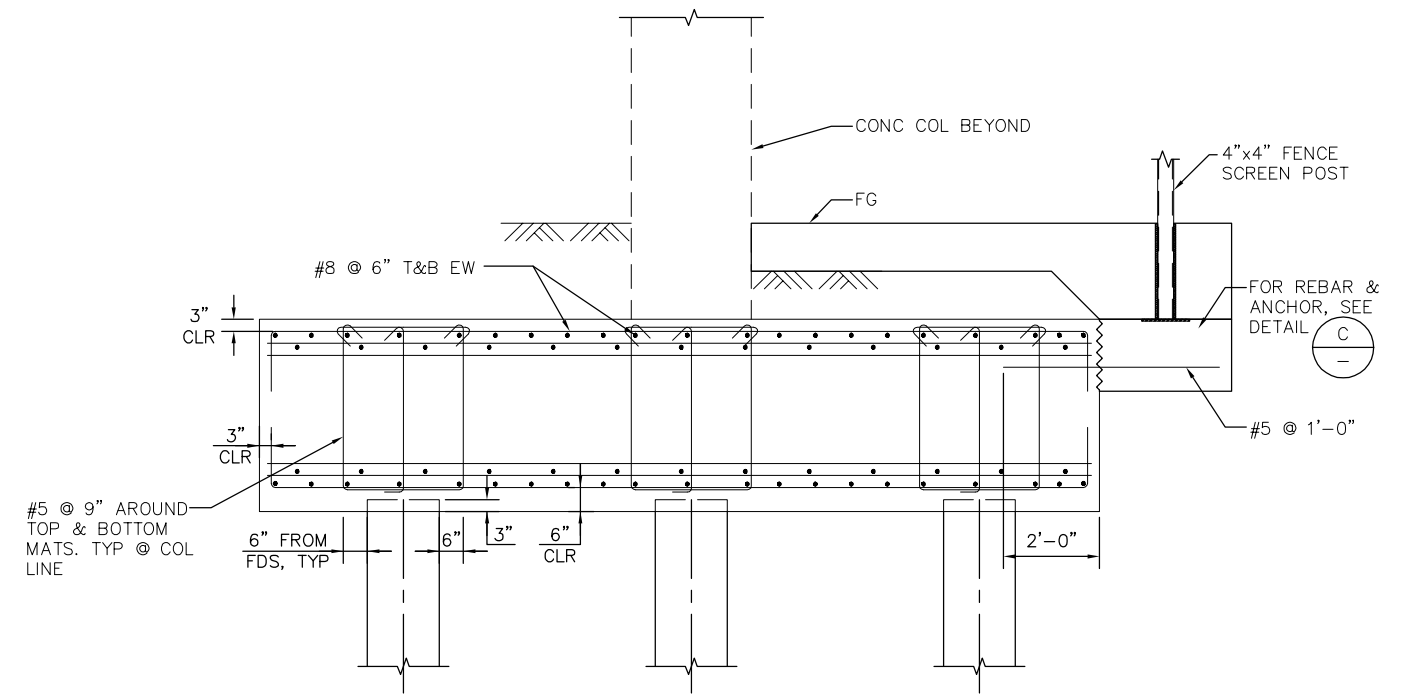


APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS			
CADD FILE DATE:	06/29/20	SCALE:	AS SHOWN
SUBMITTAL DATE:	06/29/20	BOARD APPROVAL DATE:	

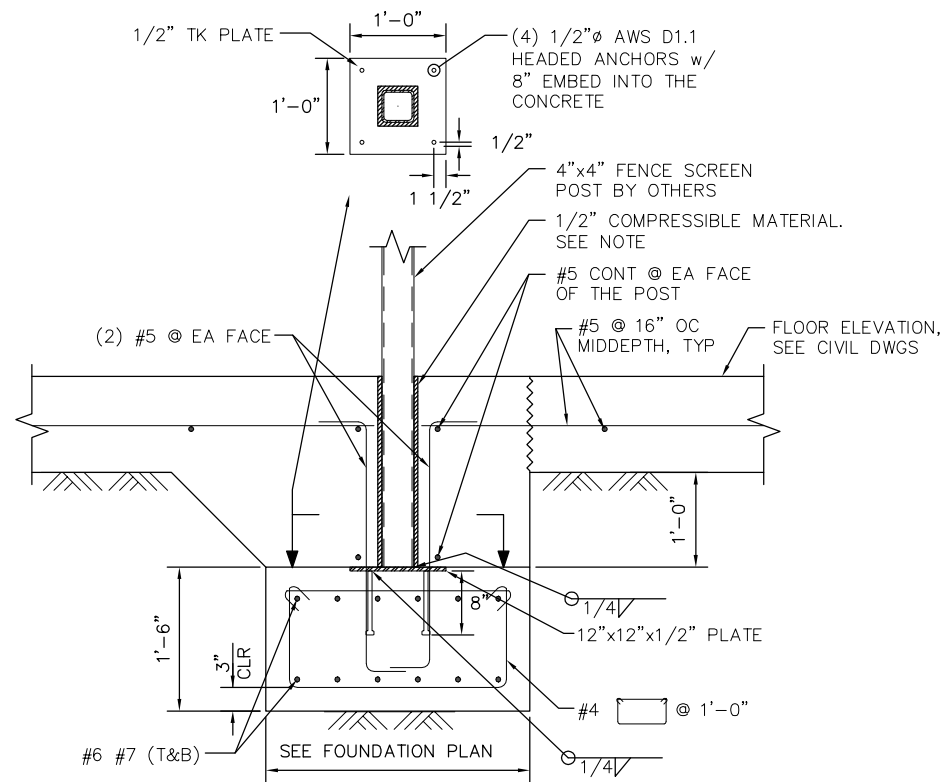
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION AND ACCESS STRUCTURES NORTH MEDIAN ACCESS STRUCTURE ELEVATION			SHEET OF DRAWING NO. SD550 REVISION C
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	



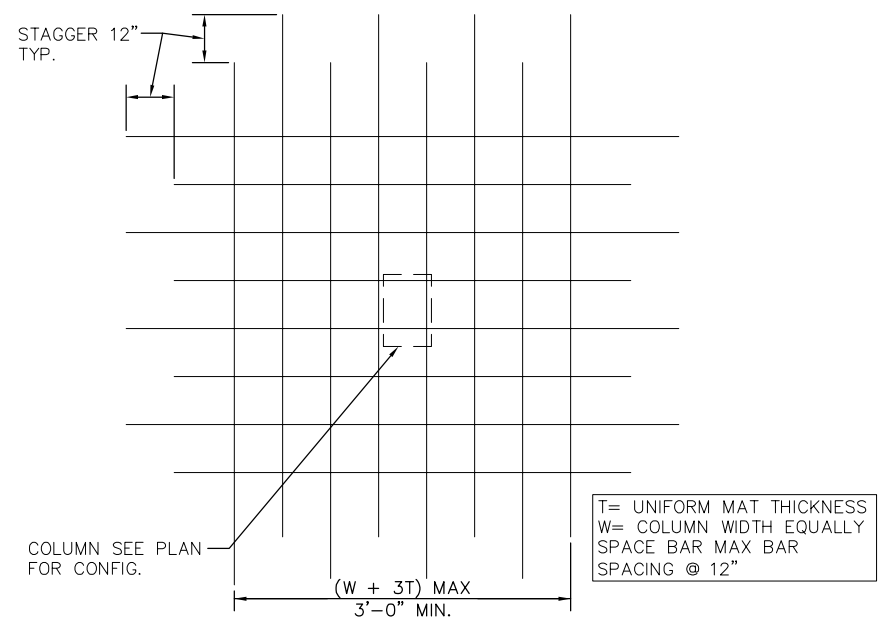
A SECTION
1/2"=1'-0"



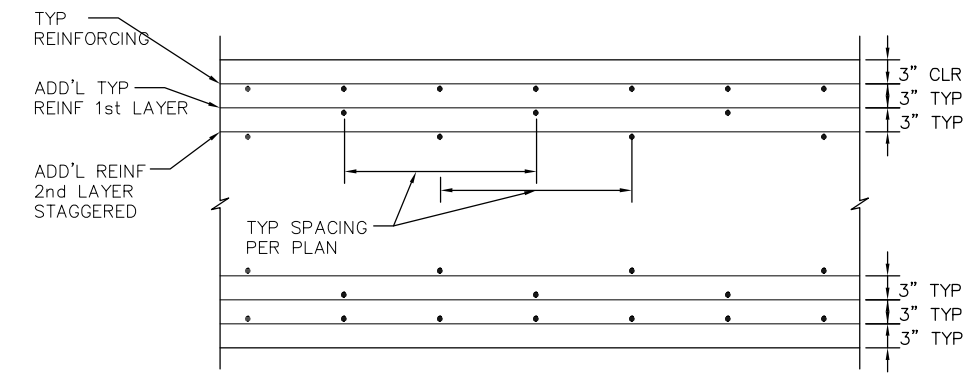
B SECTION
1/2"=1'-0"



C SECTIONS
1"=1'-0"



1 ADDED REINF IN MAT AT COL
1/2"=1'-0"



2 TYP REINF AT MAT
1"=1'-0"

NOTE:
WRAP THE HSS POST WITH 1/2" COMPRESSIBLE MATERIAL.

H:\proj\2020-12-17\m.m.\SEG_ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SD_801SD551.dwg
 Jun 22, 2020 - 12:17pm M:\SEG_ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SD_801SD551.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



DESIGNED	R. MALIYAKKAL	CHECKED	F. FRANCO
DRAWN	H. NUALLES	CADD FILE NAME	801SD551.dwg

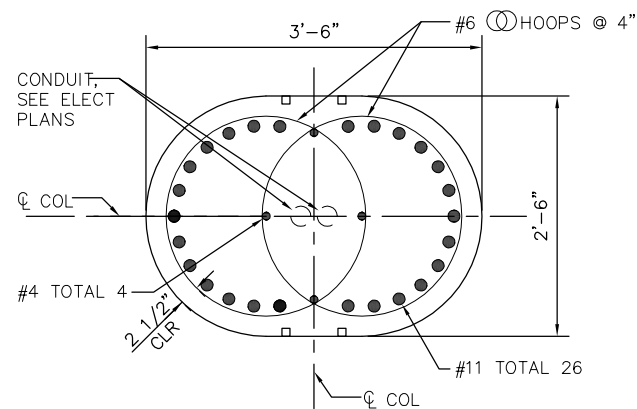


APPROVED	BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS
CADD FILE DATE	09/29/20
SUBMITTAL DATE	06/29/20
SCALE	AS SHOWN
BOARD APPROVAL DATE	

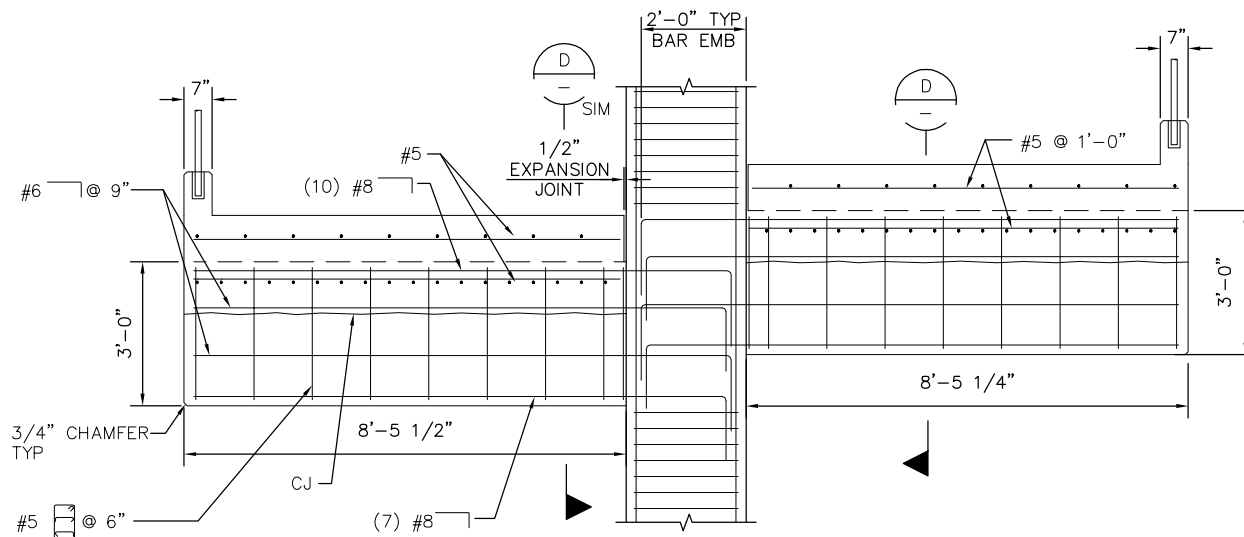
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION AND ACCESS STRUCTURES NORTH MEDIAN ACCESS STRUCTURE COLUMN & FOOTING DETAILS		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	SD551
REVISION	C

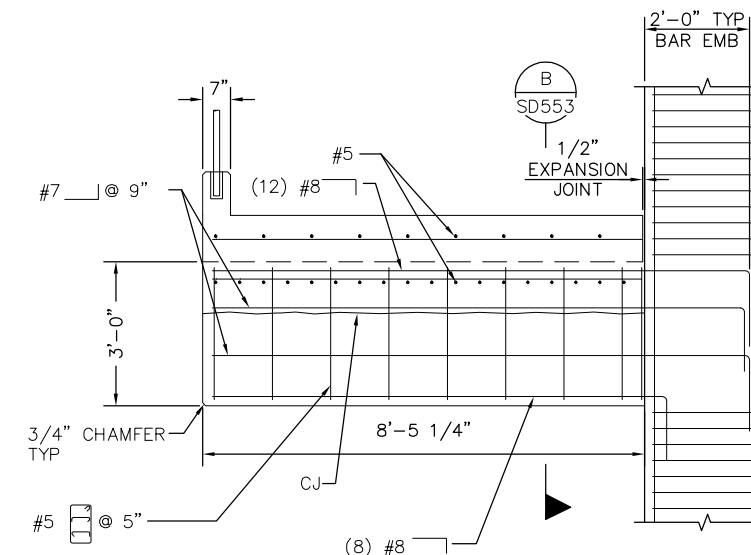
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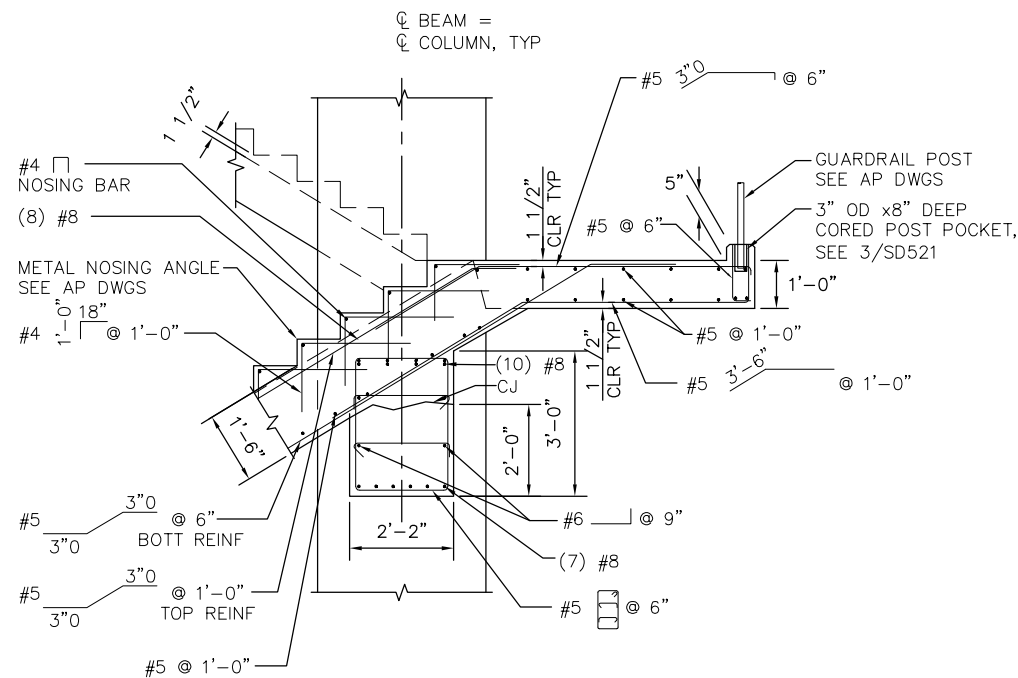
A SECTION
1"=1'-0"



B SECTION
1/2"=1'-0"

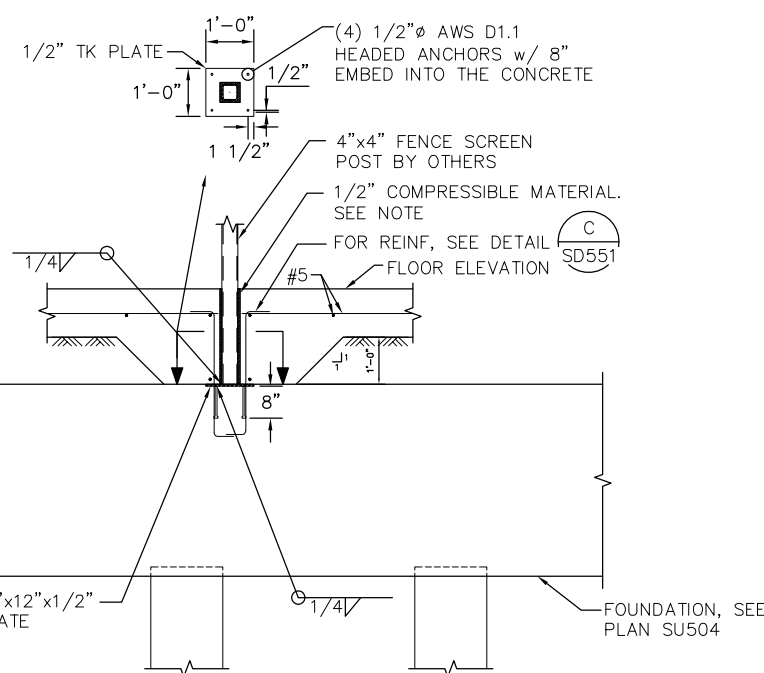


C SECTION
1/2"=1'-0"

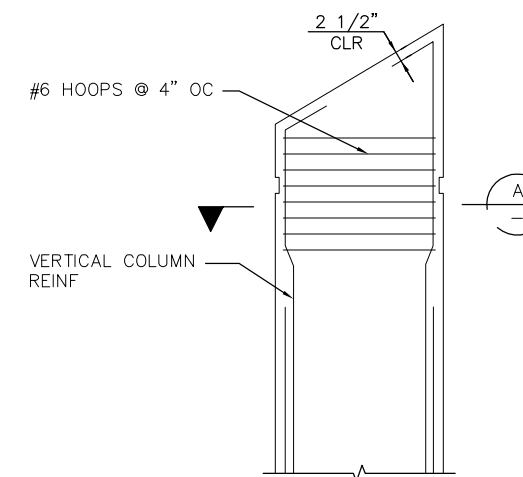


1 DETAIL
1/2"=1'-0"

NOTE:
WRAP THE HSS POST WITH 1/2"
COMPRESSIBLE MATERIAL.



D SECTIONS
1/2"=1'-0"



2 DETAIL
1/2"=1'-0"

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



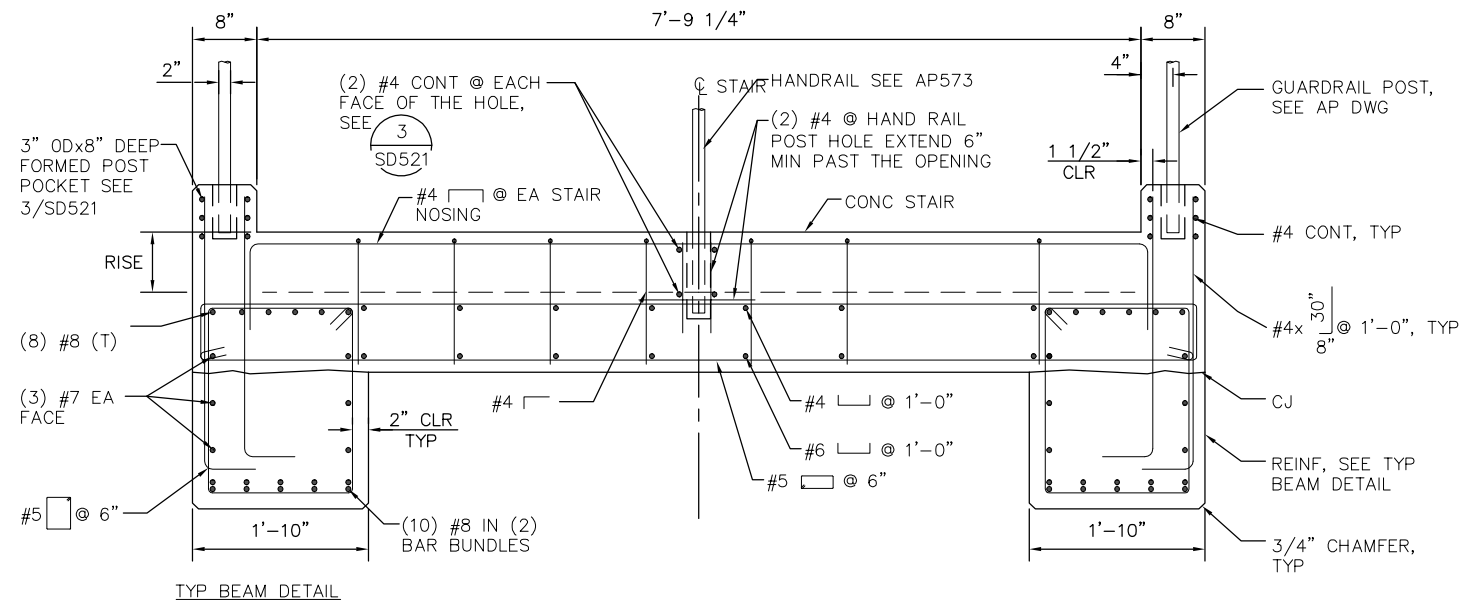
DESIGNED:	R. MALIYAKKAL	CHECKED:	F. FRANCO
DRAWN:	H. NUALLES	CADD FILE NAME:	801SD552.dwg



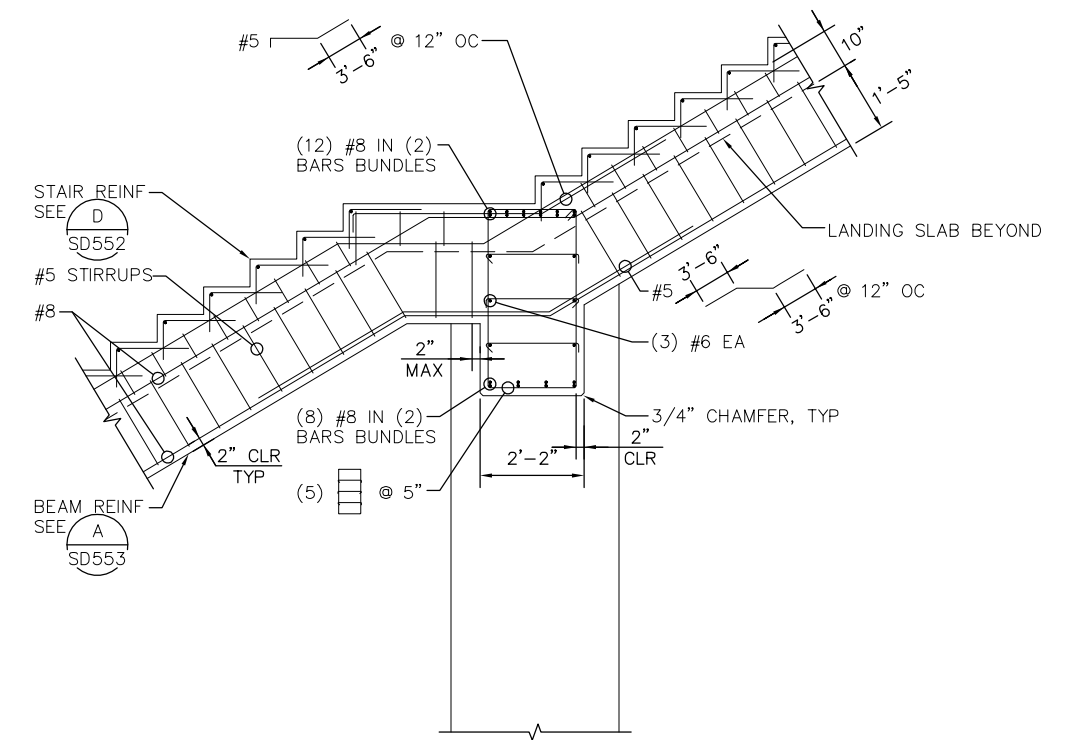
APPROVED:	BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS
CADD FILE DATE:	06/29/20
SUBMITTAL DATE:	06/29/20
SCALE:	AS SHOWN
BOARD APPROVAL DATE:	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL		
STORY STATION AND ACCESS STRUCTURES NORTH MEDIAN ACCESS STRUCTURE STAIR DETAILS No. 1		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

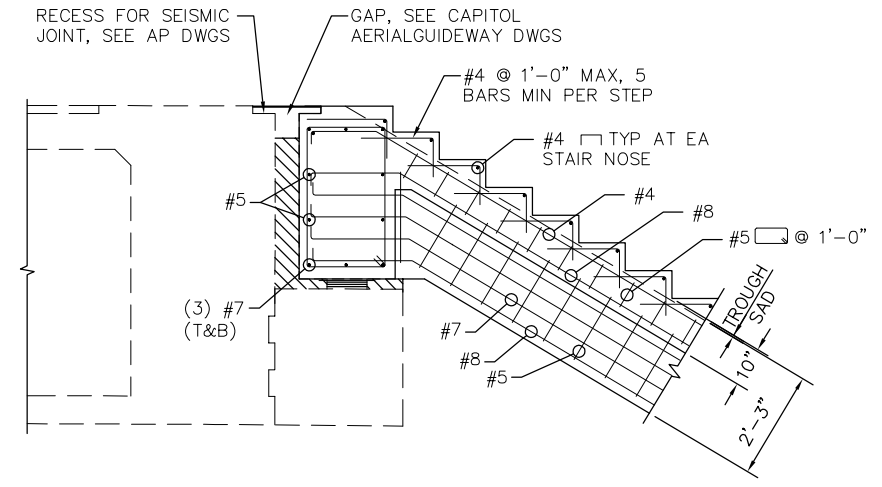
SHEET	OF
DRAWING NO.	SD552
REVISION	C



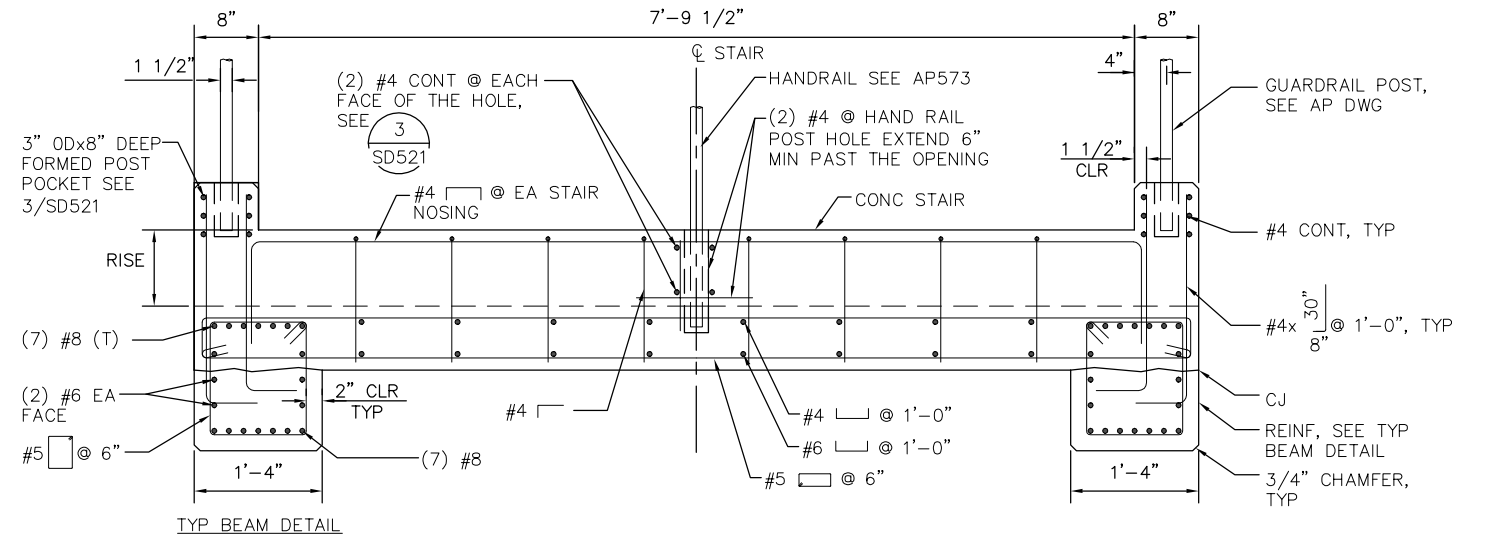
A SECTIONS
1"=1'-0"



B DETAIL
1/2"=1'-0"



1 DETAIL
1/2"=1'-0"



C SECTIONS
1"=1'-0"

H:\proj_2020 - 10-37\m_m\SEG_ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SD_801SD553.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



DESIGNED	R. MALIYAKKAL	CHECKED	F. FRANCO
DRAWN	H. NUALLES	CADD FILE NAME	801SD553.dwg

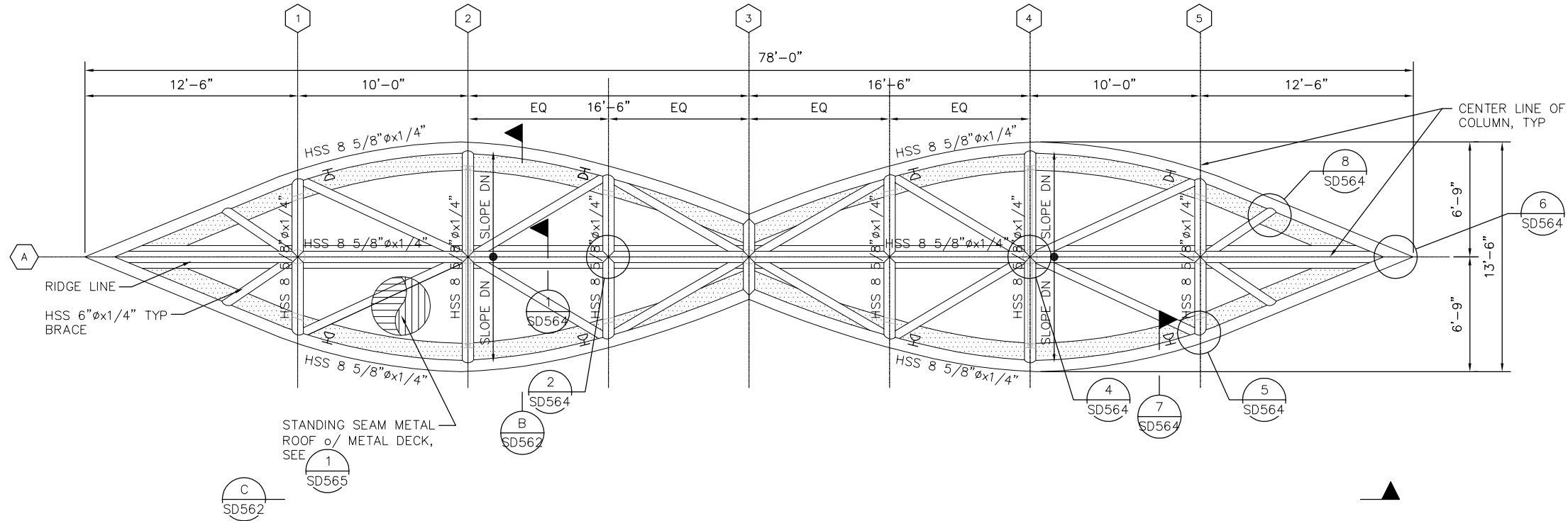
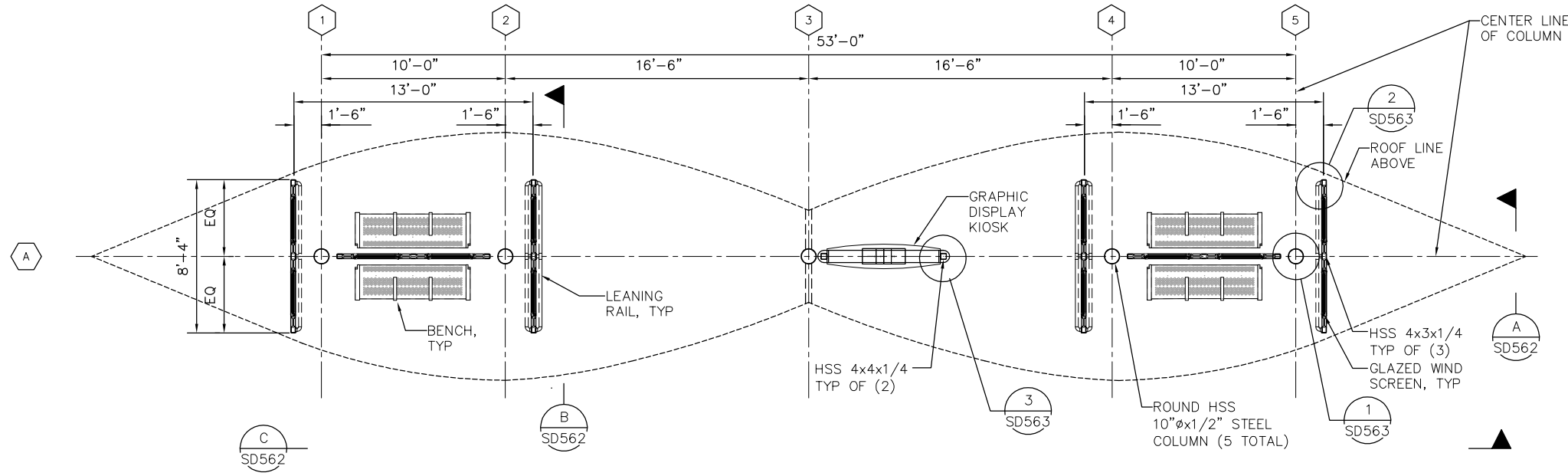


APPROVED	
CADD FILE DATE	SCALE
06/29/20	AS SHOWN
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR		
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT		
STRUCTURAL		
STORY STATION AND ACCESS STRUCTURES		
NORTH MEDIAN ACCESS STRUCTURE STAIR DETAILS No. 2		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	SD553
REVISION	C

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



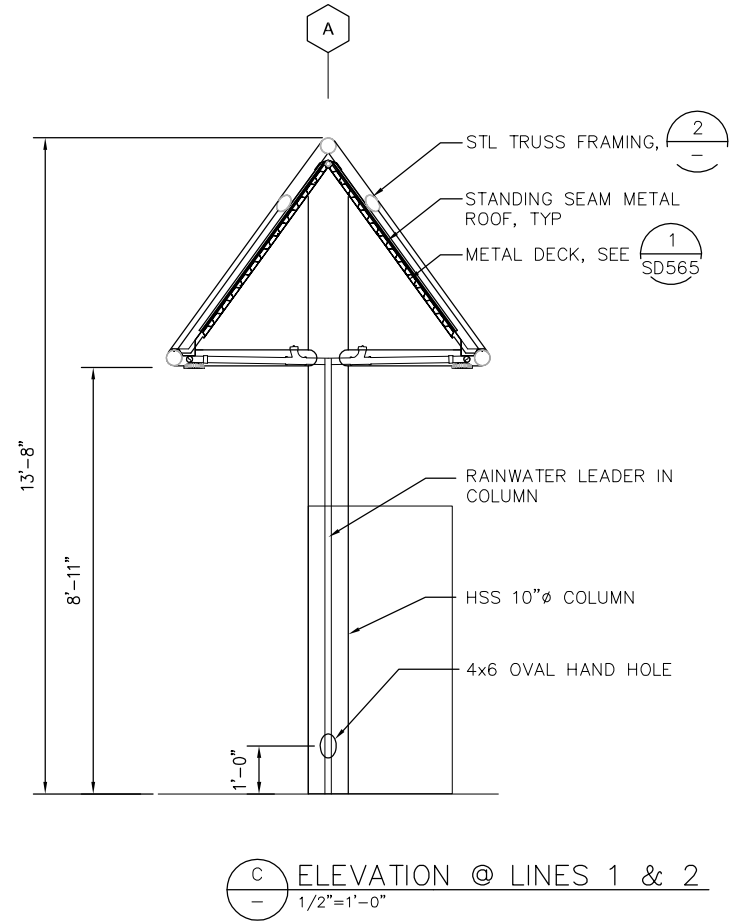
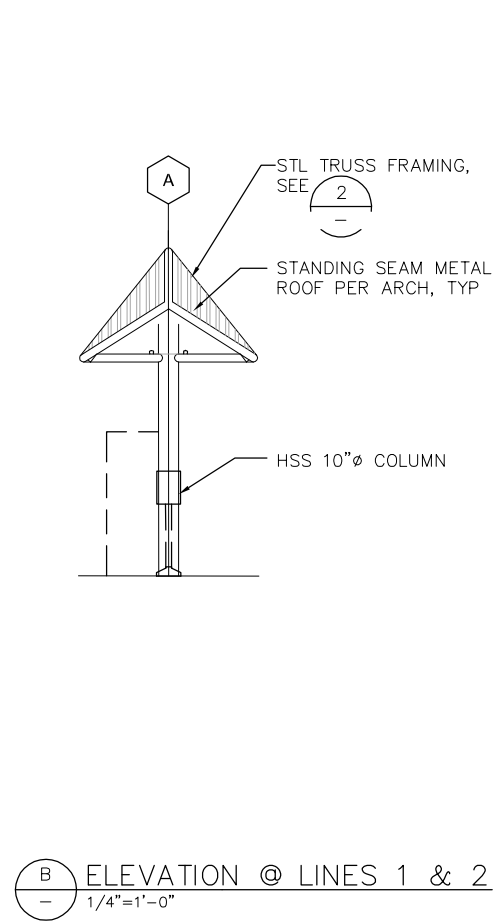
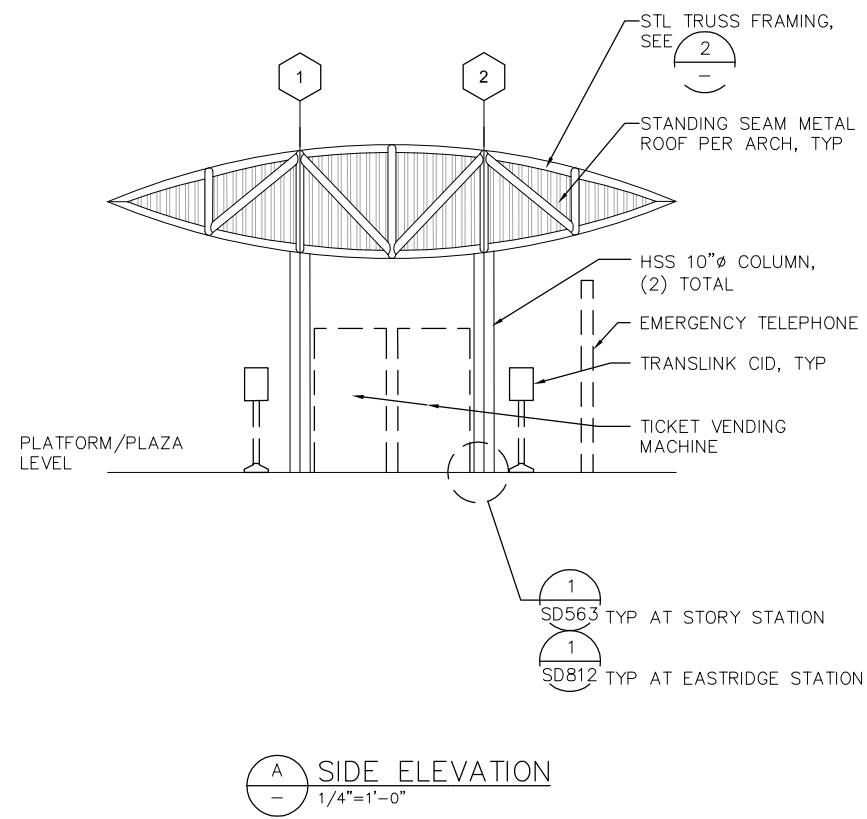
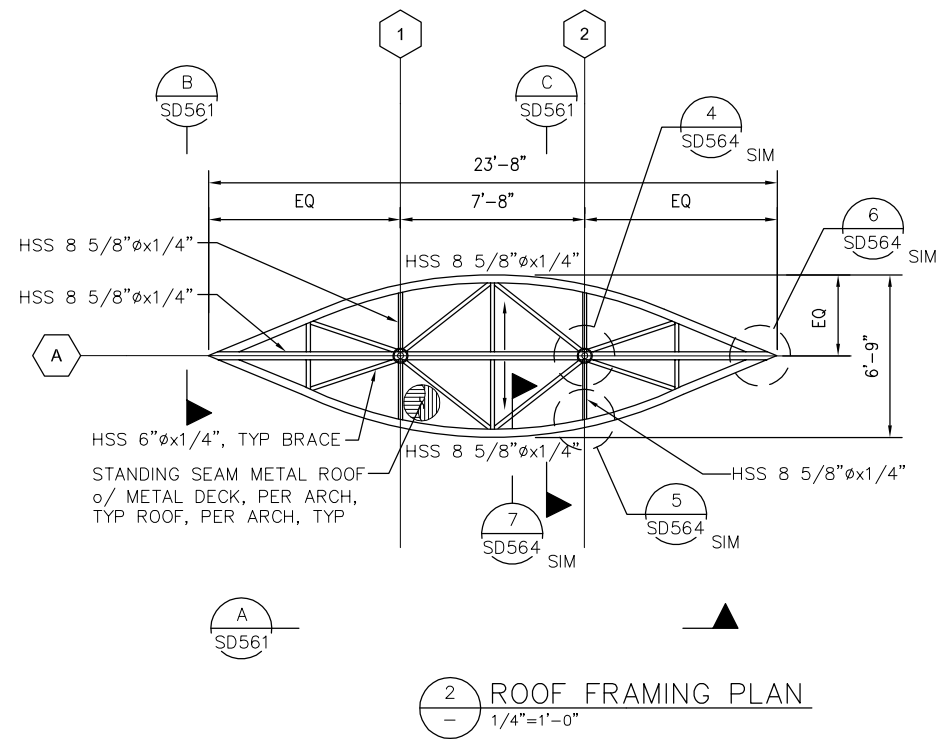
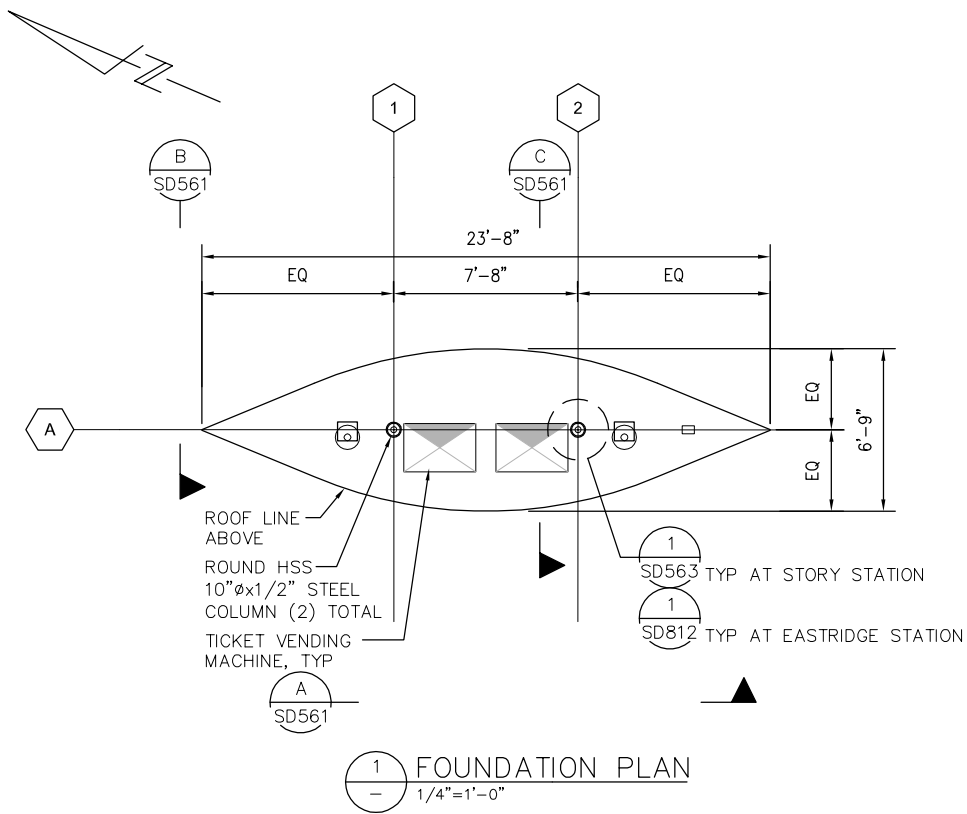
SUBMITTED
SIERRA ENGINEERING GROUP
 DESIGNED: S. CASTRO
 CHECKED: F. FRANCO
 DRAWN: H. NUALLES
 CADD FILE NAME: 801SD560.dwg



APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 06/29/20
 SCALE: AS SHOWN
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

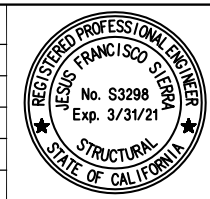
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 STORY STATION AND ACCESS STRUCTURES
 SHELTER FOUNDATION & ROOF FRAMING PLAN

SHEET OF	
DRAWING NO.	SD560
REVISION	C
PCA NO.	000
CONTRACT NO.	C801
FILE LOCATION	PROJECTWISE



H:\Info Jun 22, 2020 - 10:36am M:\SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SD_801SD561.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED	
TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED	CHECKED
S. CASTRO	F. FRANCO
DRAWN	CADD FILENAME
H. NUALLES	801SD561.dwg

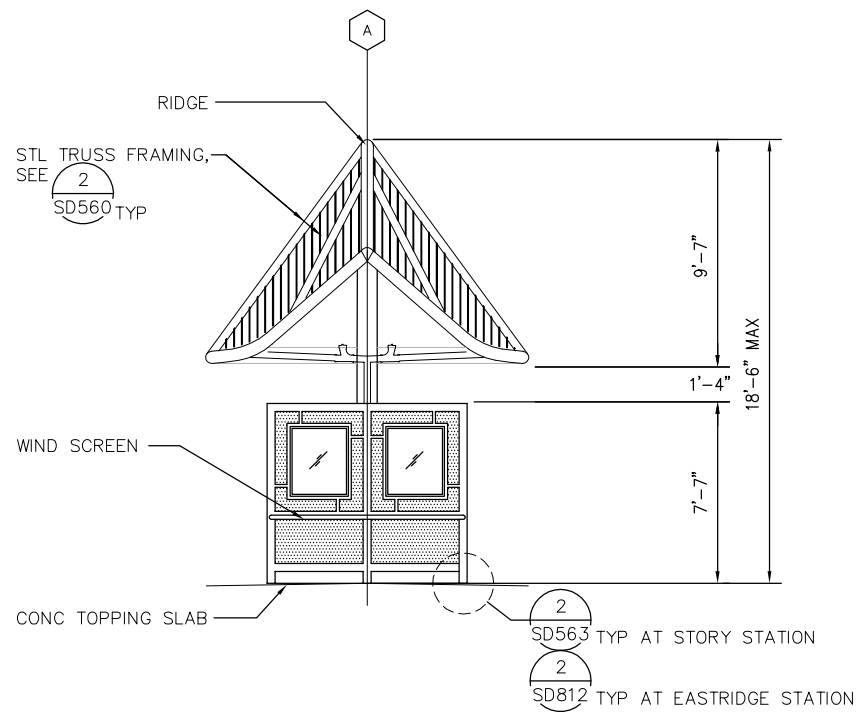


APPROVED	
CADD FILE DATE	SCALE
06/29/20	AS SHOWN
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

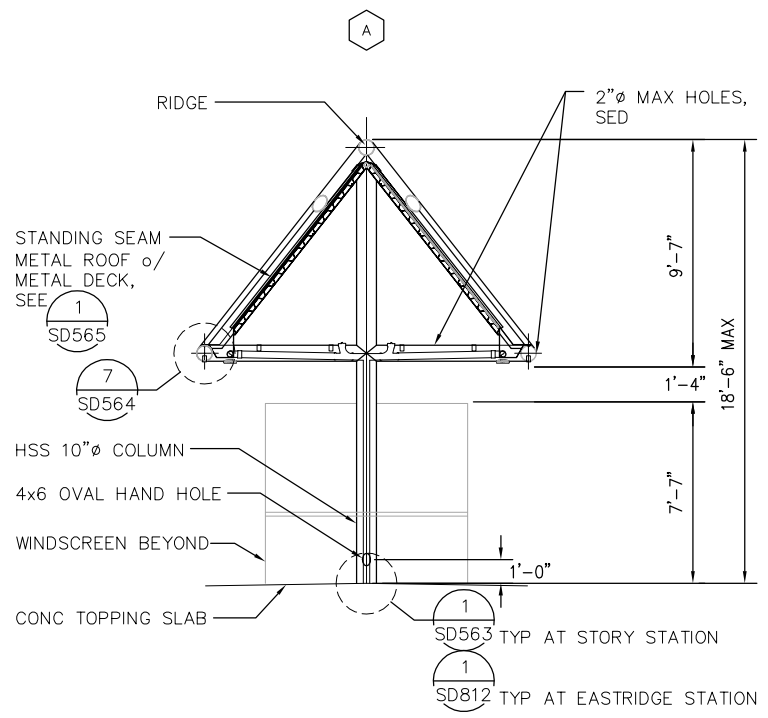
EASTRIDGE TO BART REGIONAL CONNECTOR		
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT		
STRUCTURAL		
STORY STATION AND ACCESS STRUCTURES		
TVM SHELTER CANOPY PLANS & ELEVATIONS		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	SD561
REVISION	C

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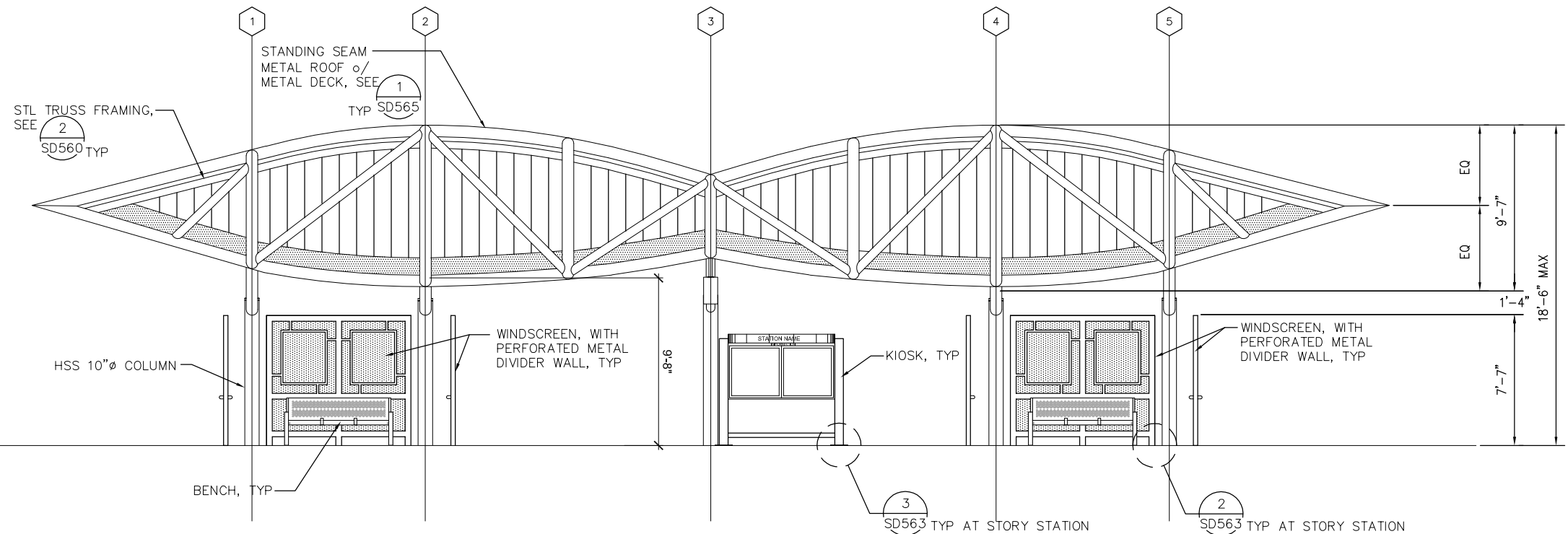


A ELEVATION @ LINES
1/4"=1'-0"



B ELEVATION @ LINES
1/4"=1'-0"

NOTE:
PROVIDE 4x6 HAND HOLE AT COLUMN GRID 2 & 4.



C SIDE ELEVATION
1/4"=1'-0"

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED	
DESIGNED S. CASTRO	CHECKED F. FRANCO
DRAWN H. NUALLES	CADD FILE NAME 801SD562.dwg

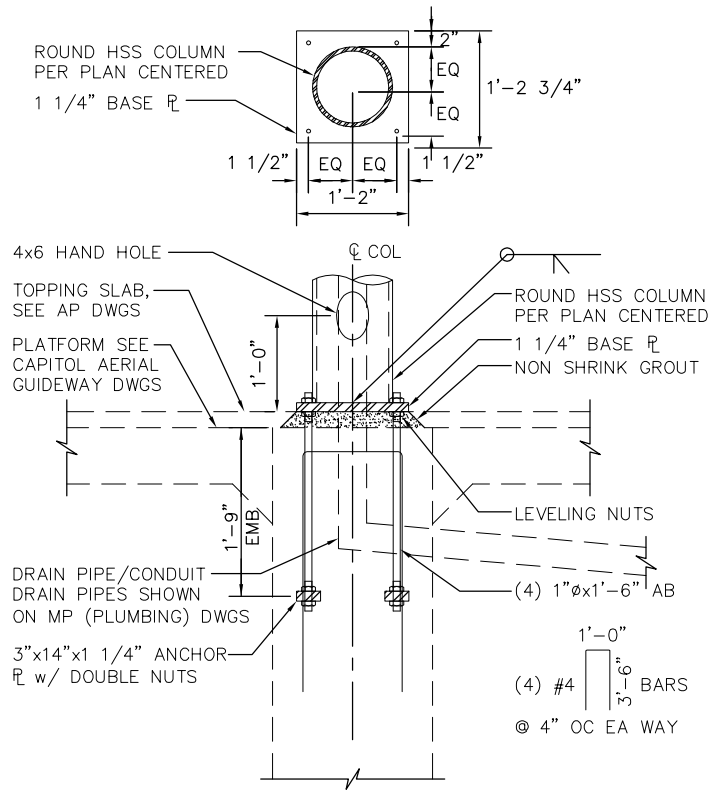
Santa Clara Valley
 Transportation
 Authority

APPROVED

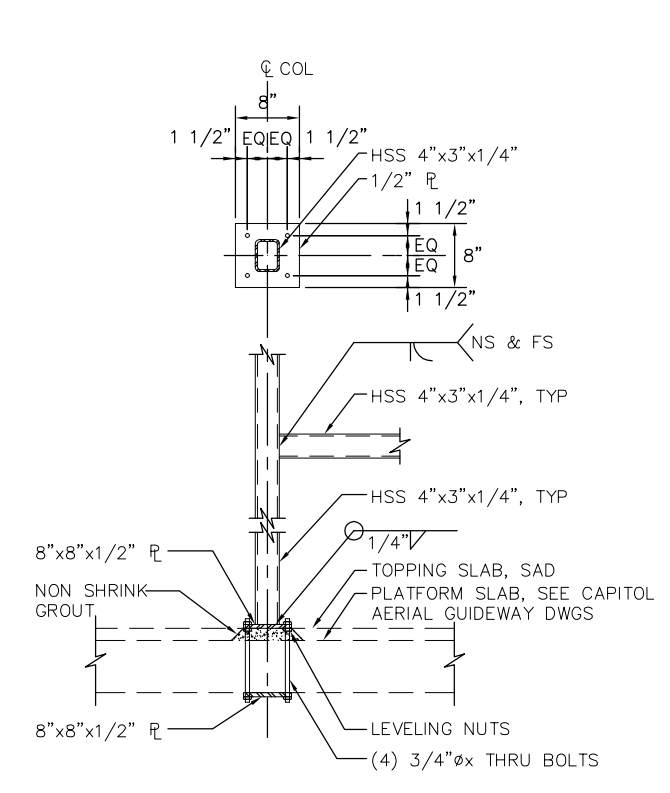
 BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION AND ACCESS STRUCTURES SHELTER CANOPY ELEVATIONS			SHEET OF DRAWING NO. SD562 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

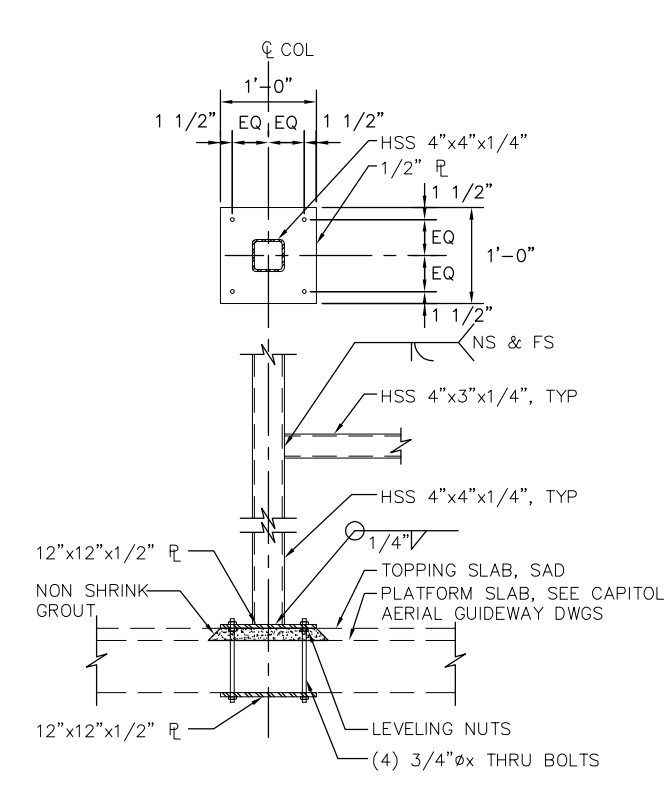
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1 SHELTER COLUMN DETAIL
1"=1'-0"



2 WIND SCREEN COLUMN DETAIL
1"=1'-0"



3 KIOSK COLUMN DETAIL
1"=1'-0"

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED:	CHECKED:
S. CASTRO	F. FRANCO
DRAWN:	CADD FILENAME:
H.NUALLES	801SD563.dwg

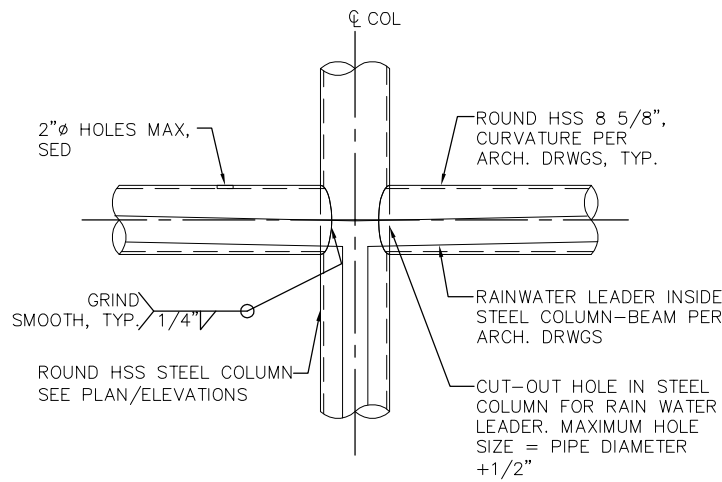


APPROVED 	
CADD FILE DATE:	SCALE:
06/29/20	AS SHOWN
SUBMITTAL DATE:	BOARD APPROVAL DATE:
06/29/20	

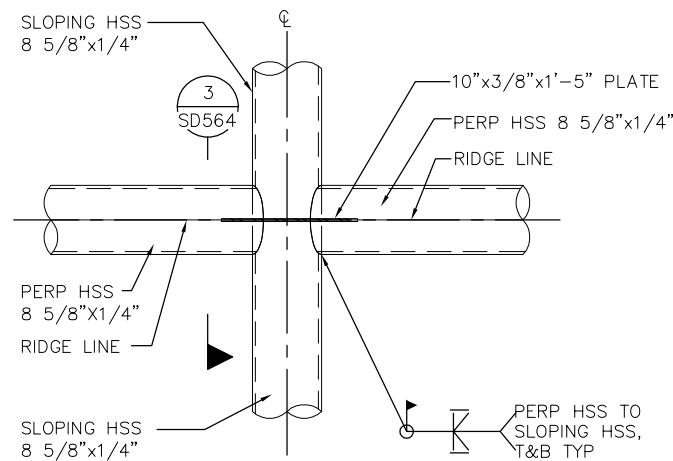
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION AND ACCESS STRUCTURES SHELTER CANOPY AND TVM SHELTER CANOPY DETAILS No. 1		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	SD563
REVISION	C

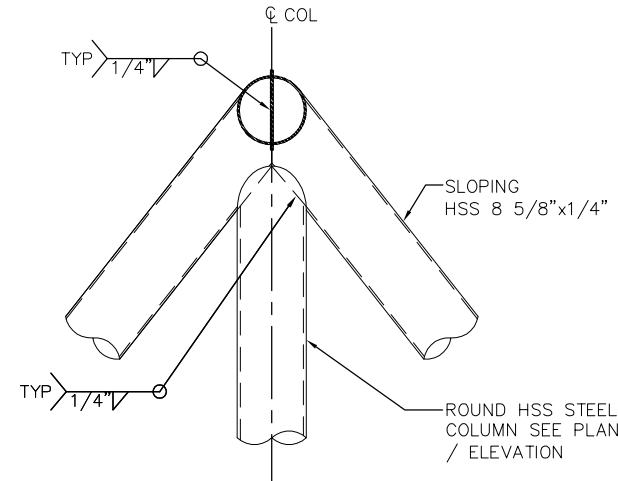
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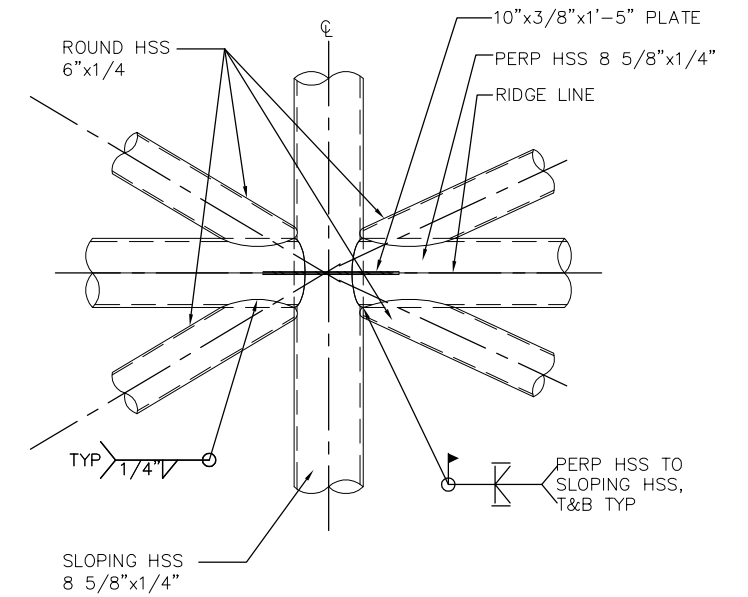
1
DETAIL
1"=1'-0"



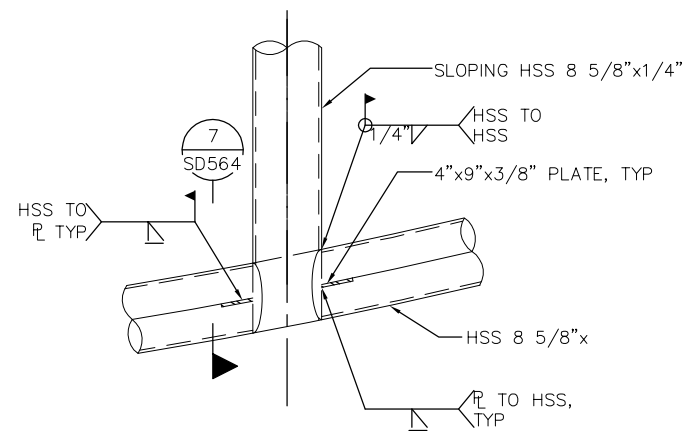
2
DETAIL
1"=1'-0"



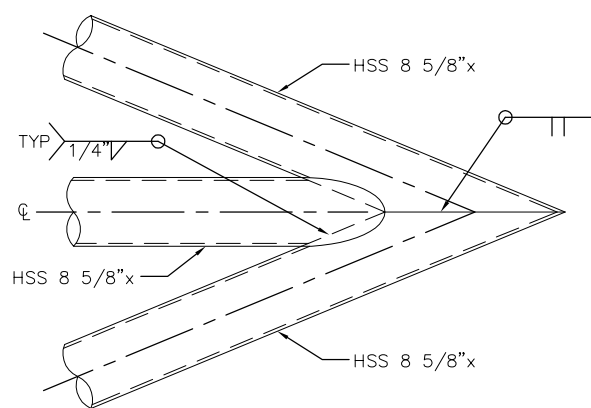
3
DETAIL
1"=1'-0"



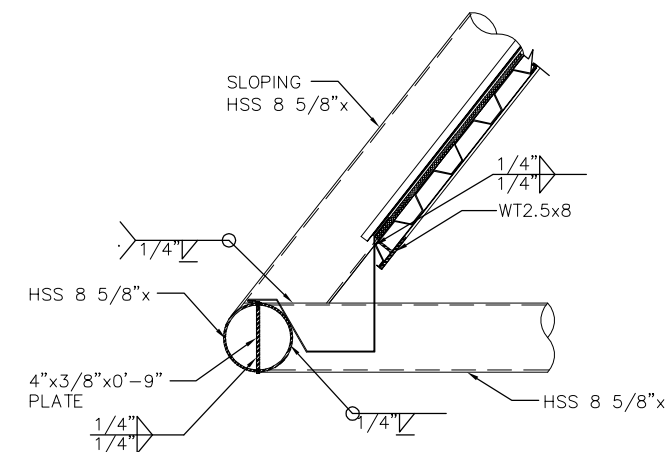
4
DETAIL
1"=1'-0"



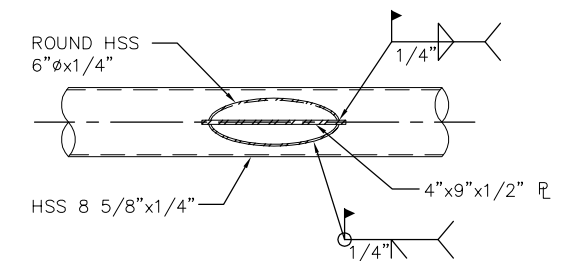
5
DETAIL
1"=1'-0"



6
DETAIL
1"=1'-0"



7
DETAIL
1"=1'-0"



8
DETAIL
1"=1'-0"

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



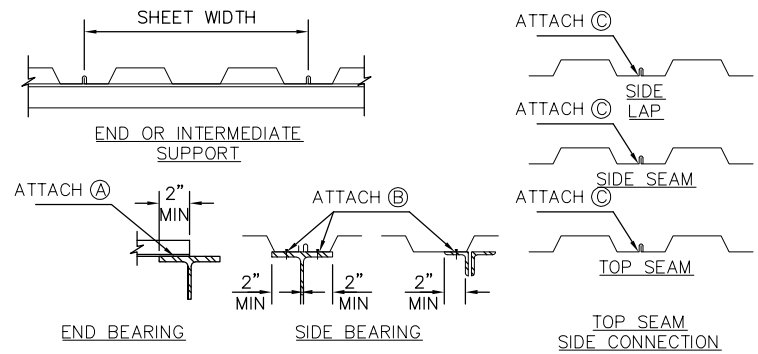
SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED: S. CASTRO	CHECKED: F. FRANCO
DRAWN: H. NUALLES	CADD FILE NAME: 801SD564.dwg



APPROVED: BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE: 06/29/20	SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20	BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION AND ACCESS STRUCTURES SHELTER CANOPY AND TVM SHELTER CANOPY DETAILS No. 2		
PCA NO.: 000	CONTRACT NO.: C801	FILE LOCATION: PROJECTWISE

SHEET OF	SD564
DRAWING NO.	SD564
REVISION	C



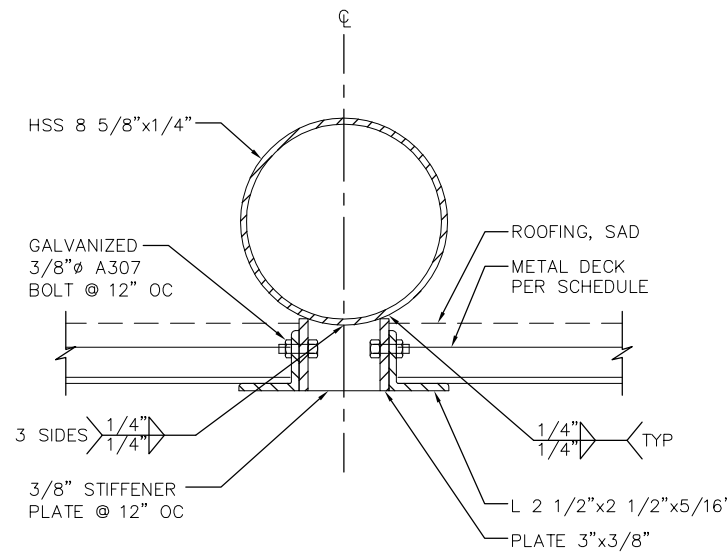
TYPICAL STEEL DECK ATTACHMENT DETAILS

NOTE: ATTACHMENT DETAILS ARE ALSO APPLICABLE AT WIDE FLANGES, ANGLES AND HSS WHERE THEY OCCUR.

DECK PROFILE	DECK ATTACHMENT							
	MOMENT OF INERTIA		AT PERPENDICULAR SUPPORTS (A)		AT PARALLEL SUPPORTS (B)		DECK SEAM CONNECTION (C)	
	Lp IN ⁴	Ln IN ⁴	SIZE & TYPE	# PER SHEET	SIZE & TYPE	SPACING	SIZE & TYPE	SPACING
16GA 1 1/2" CELLULAR	0.570	0.407	5/8"x1" PUDDLEWELD	4	5/8"x1" PUDDLEWELD	12" OC	5/8"x1/2" SEAMWELD	12" OC

- NOTE:
1. ATTACHMENT OF DECK TO FRAMING SUPPORT SHALL CONFORM TO SCHEDULE ABOVE.
 2. INSTALLATION PROCEDURE & ATTACHMENT SHALL CONFORM TO MANUFACTURER SPECIFICATIONS

1 DECK ATTACHMENT SCHEDULE
- NTS



2 DETAIL
- 3"=1'-0"

H:\proj_2020 - 10-47rem M\SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SD_801SD565.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED:	CHECKED:
S. CASTRO	F. FRANCO
DRAWN:	CADD FILENAME:
H.NUALLES	801SD565.dwg

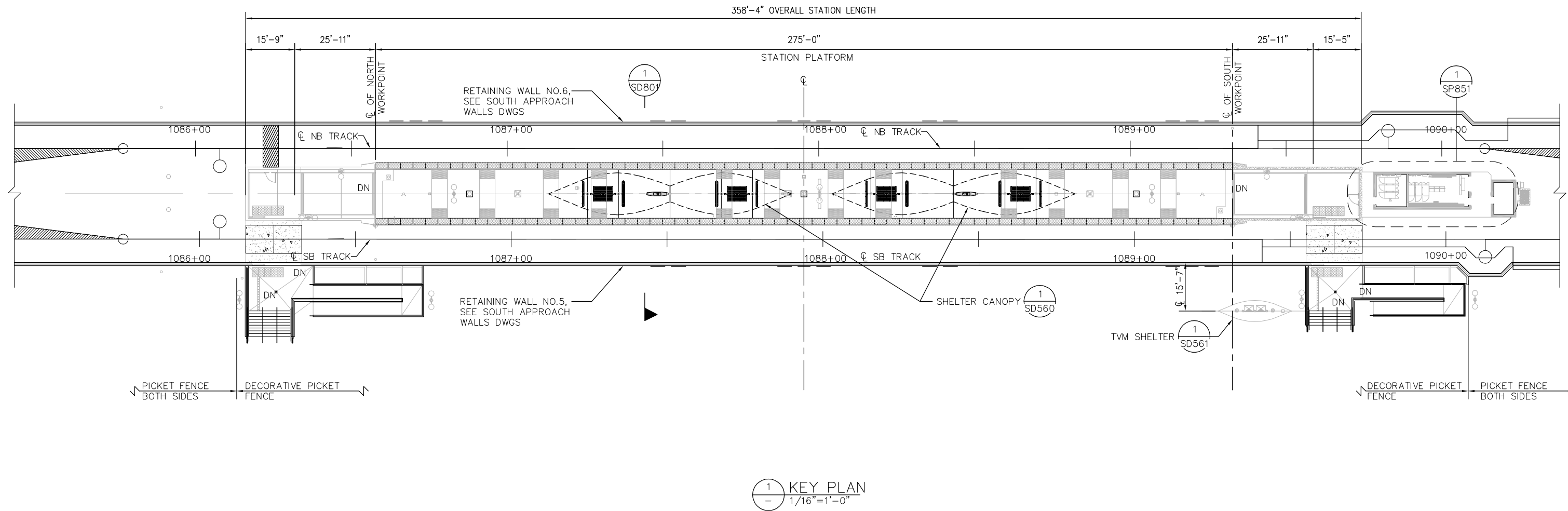


APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE:	SCALE:
06/29/20	AS SHOWN
SUBMITTAL DATE:	BOARD APPROVAL DATE:
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION AND ACCESS STRUCTURES SHELTER CANOPY AND TVM SHELTER CANOPY DETAILS No. 3		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	SD565
REVISION	C

H:\proj_2020_06_22_2020_11:17am_M:\SEG_ARCH\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SP_801\SP801.dwg



NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



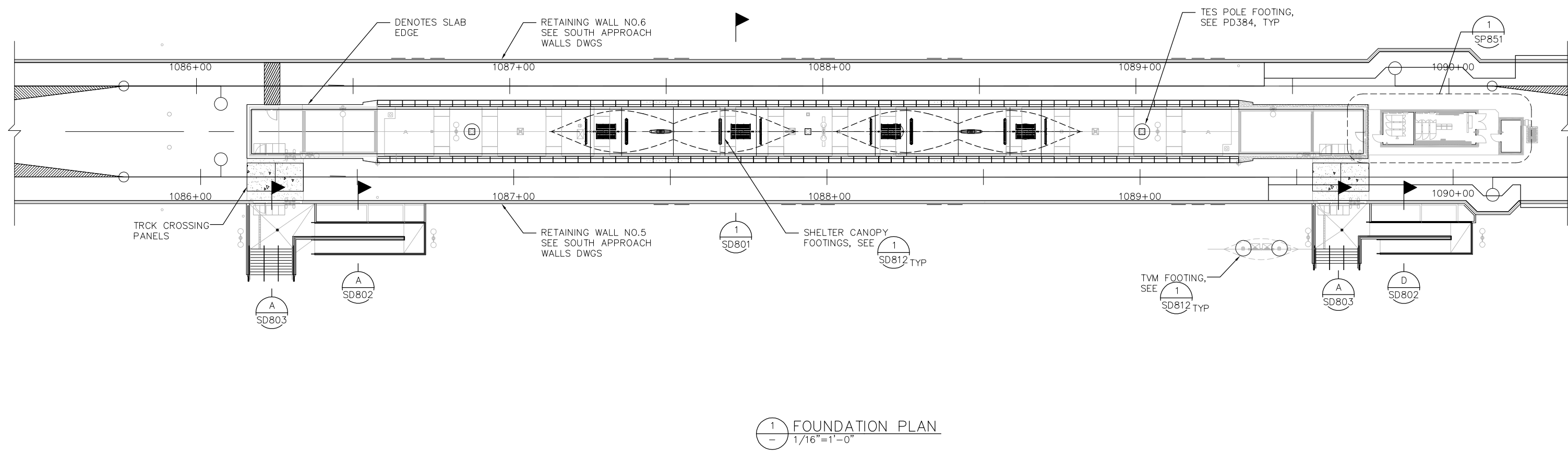
SUBMITTED SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED S. CASTRO	CHECKED F. FRANCO
DRAWN H. NUALLES	CADD FILE NAME 801SP801.dwg



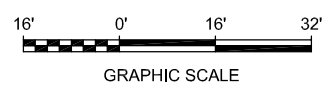
APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 06/29/20	SCALE 1/16"=1'-0"
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL EASTRIDGE STATION GENERAL PLAN			SHEET OF DRAWING NO. SP801 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

H:\00000 - 10:00am M:\SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SU\801SU581.dwg



1 FOUNDATION PLAN
 - 1/16"=1'-0"



NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED S. CASTRO	CHECKED F. FRANCO
DRAWN H. NUALLES	CADD FILE NAME 801SU581.dwg

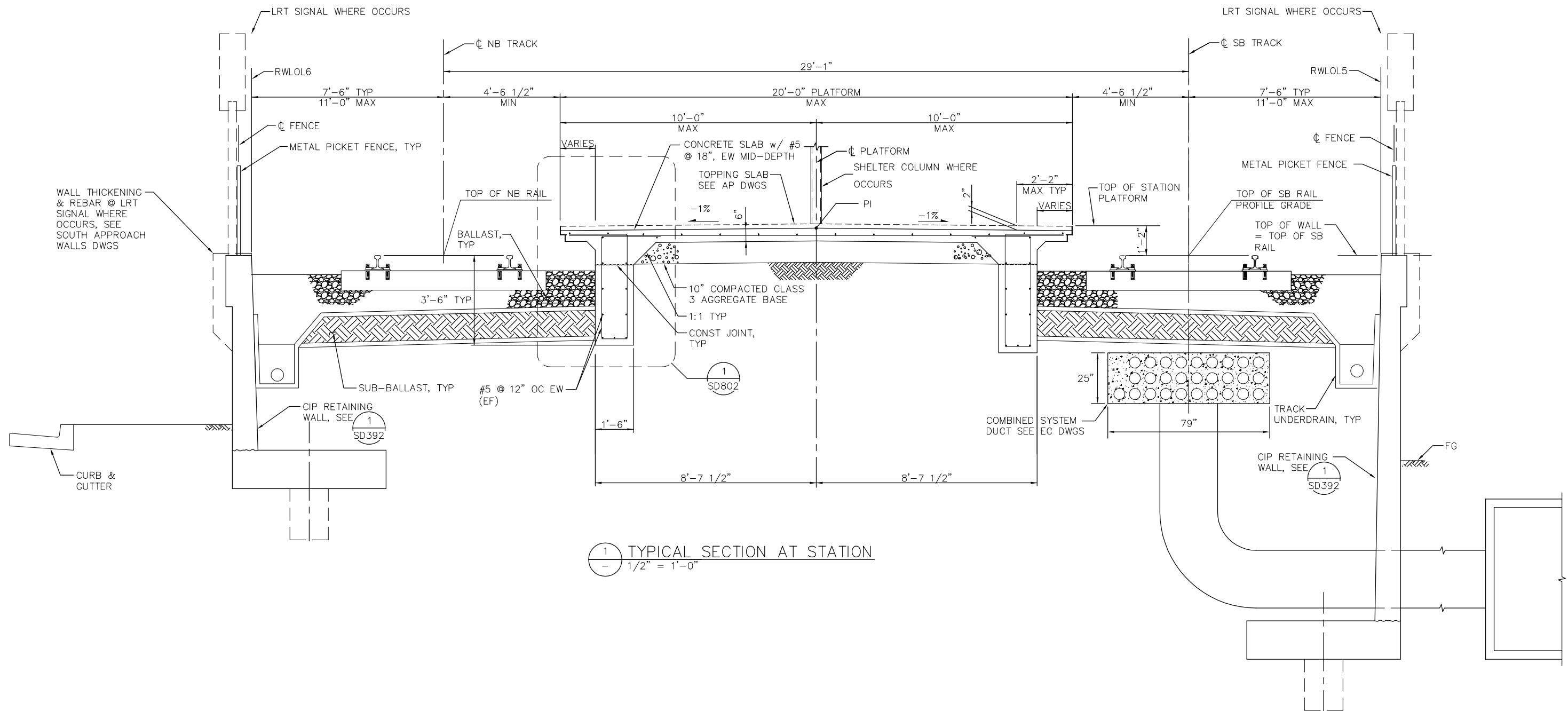


APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 06/29/20	SCALE 1/16"=1'-0"
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL EASTRIDGE STATION FOUNDATION PLAN		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECT\18005

SHEET OF DRAWING NO. SU801 REVISION C
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Jun 22, 2020 - 10:58am M:\SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SD_801SD801.dwg



1
 - 1/2" = 1'-0"

TYPICAL SECTION AT STATION

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED:	S. CASTRO
CHECKED:	F. FRANCO
DRAWN:	H. NUALLES
CADD FILE NAME:	801SD801.dwg

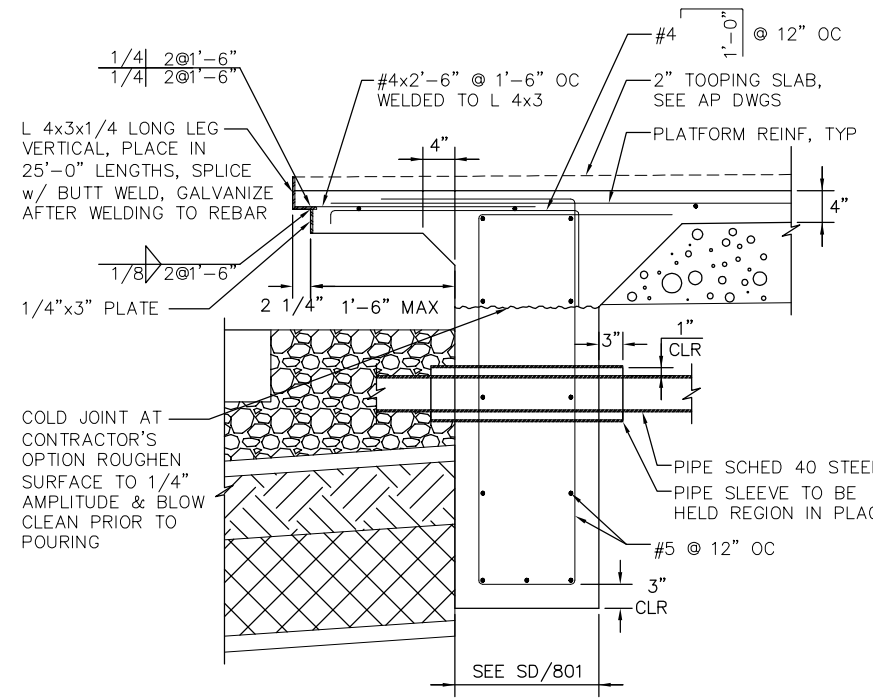


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SUBMITTAL DATE:	06/29/20
SCALE:	1/2" = 1'-0"
BOARD APPROVAL DATE:	

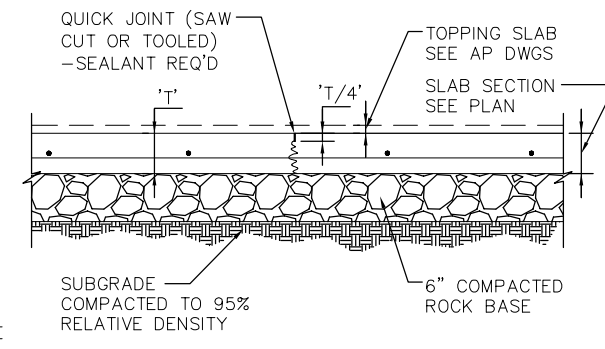
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL EASTRIDGE STATION TYPICAL SECTION		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	SD801
REVISION	C

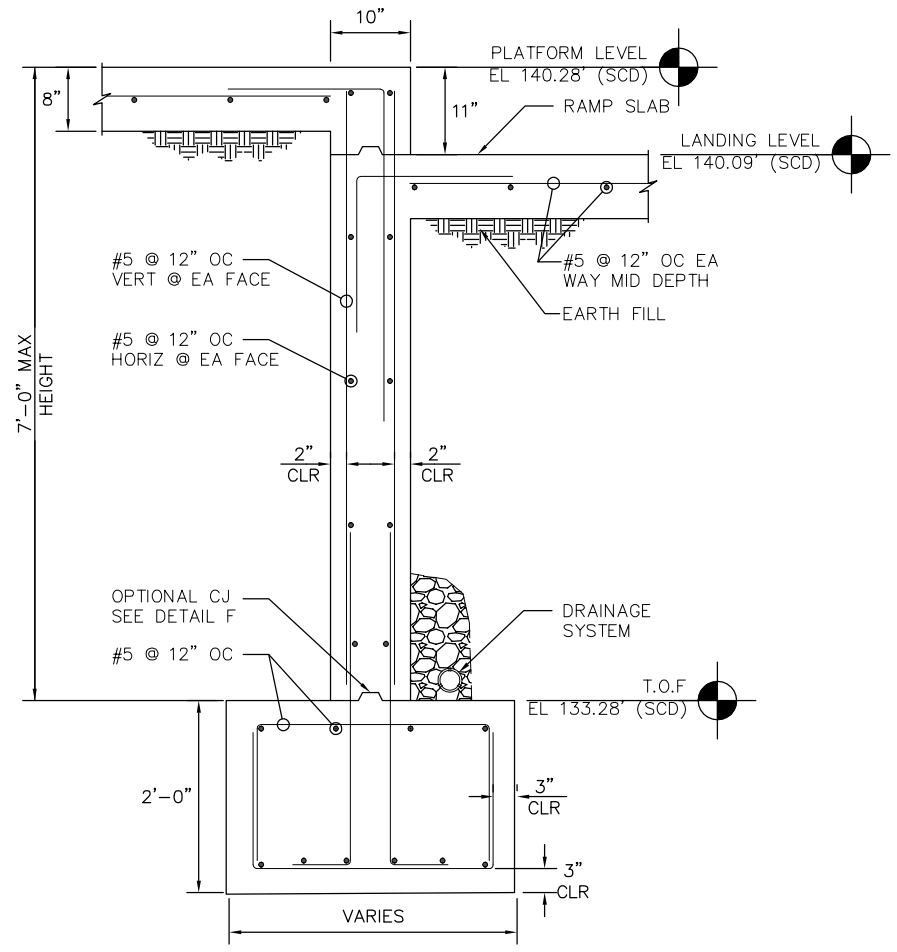
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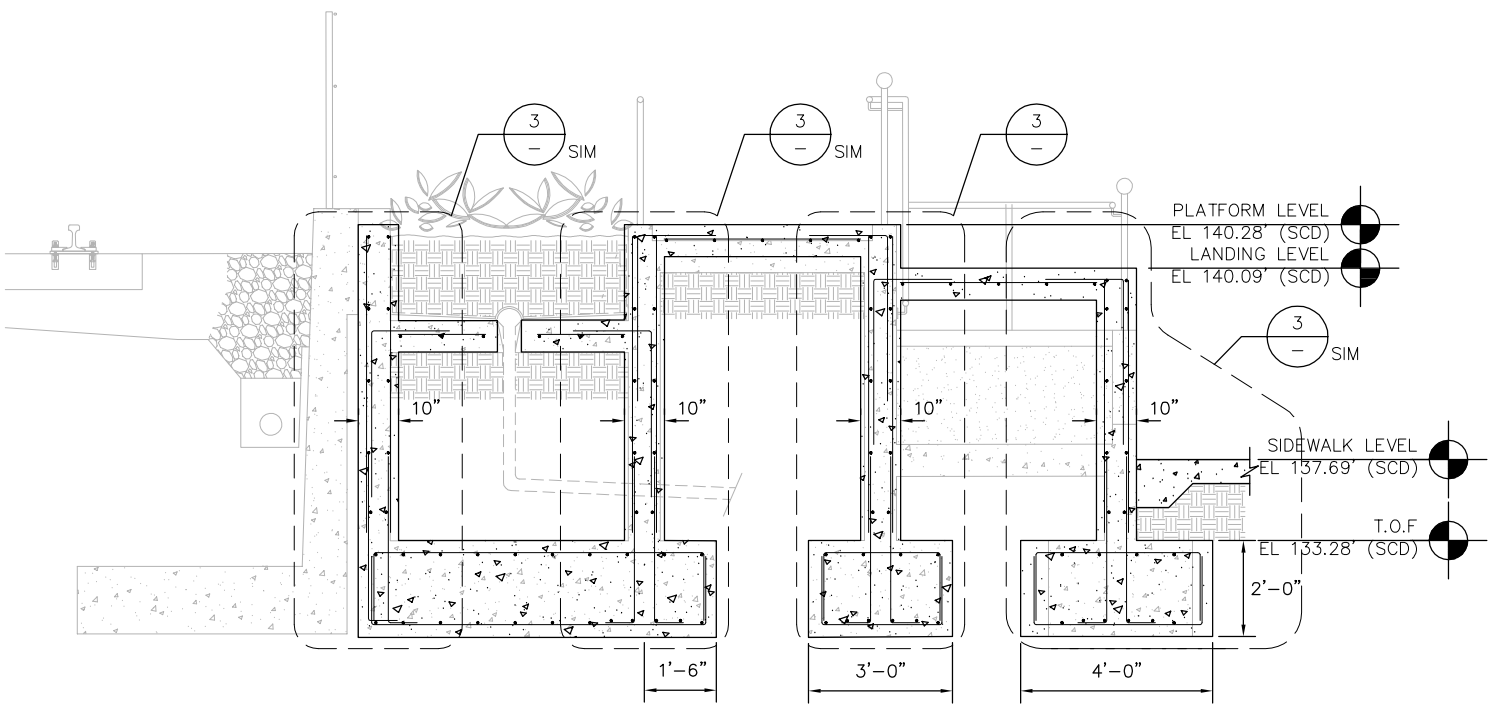
1 DECK DETAIL
1"=1'-0"



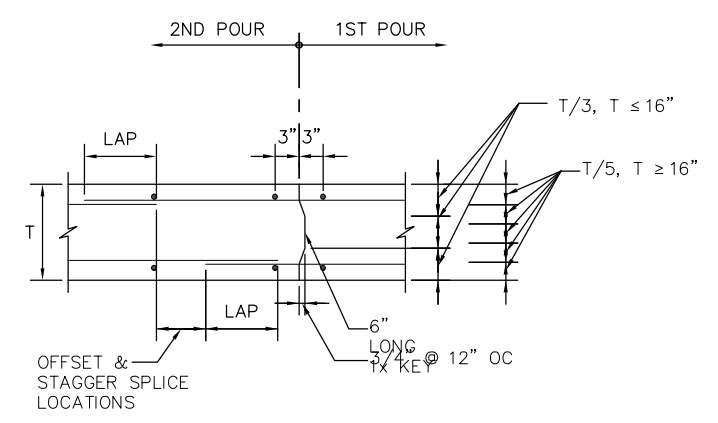
2 DETAIL
1"=1'-0"



3 DETAIL
1"=1'-0"



A SECTION
1/2"=1'-0"



NOTES:
 1. PROVIDE CONSTRUCTION JOINT 60'-0" MAX OC.

4 CONSTRUCTION JOINT DETAIL
1"=1'-0"

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



DESIGNED	M. AUNG	CHECKED	F. FRANCO
DRAWN	H. NUALLES	CADD FILE NAME	801SD802.dwg

Santa Clara Valley
Transportation Authority

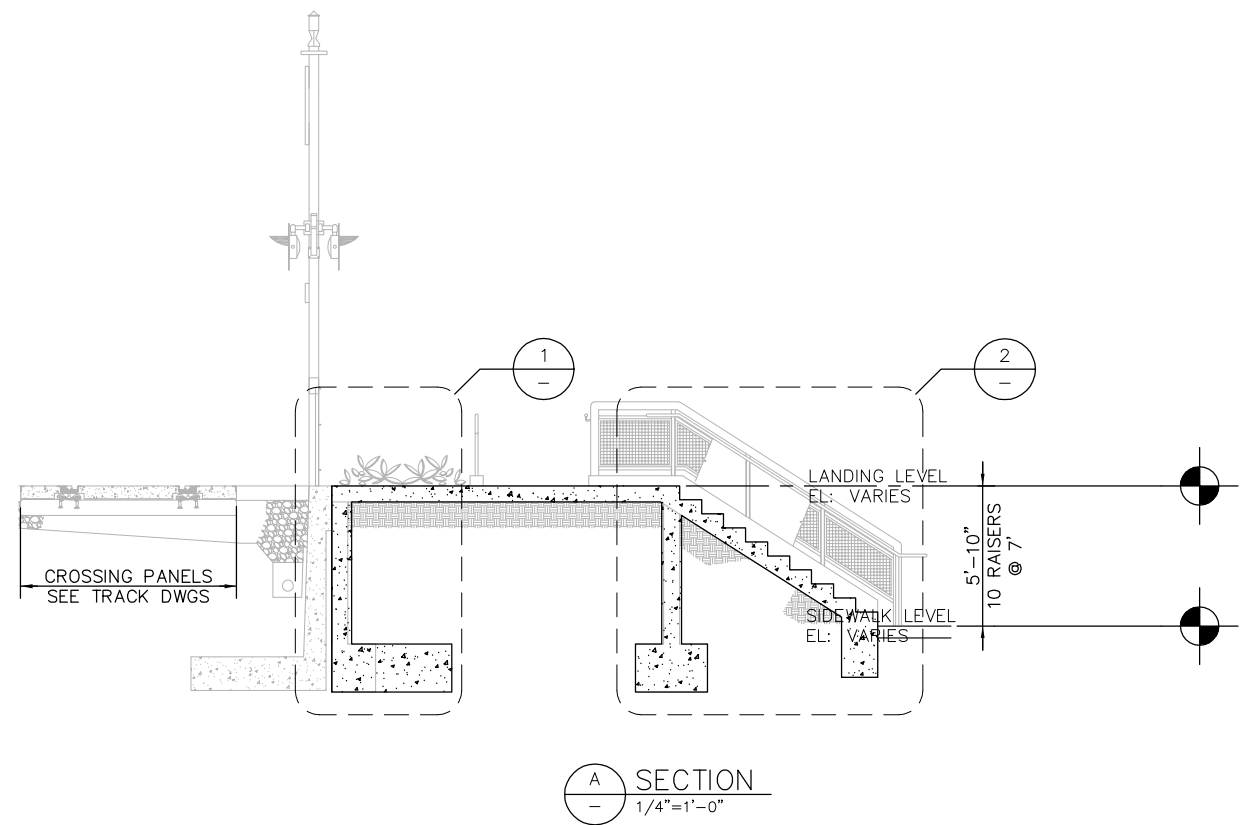
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 06/29/20
 SUBMITTAL DATE: 06/29/20
 SCALE: AS SHOWN
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 EASTRIDGE STATION
 PLATFORM DETAILS No.1

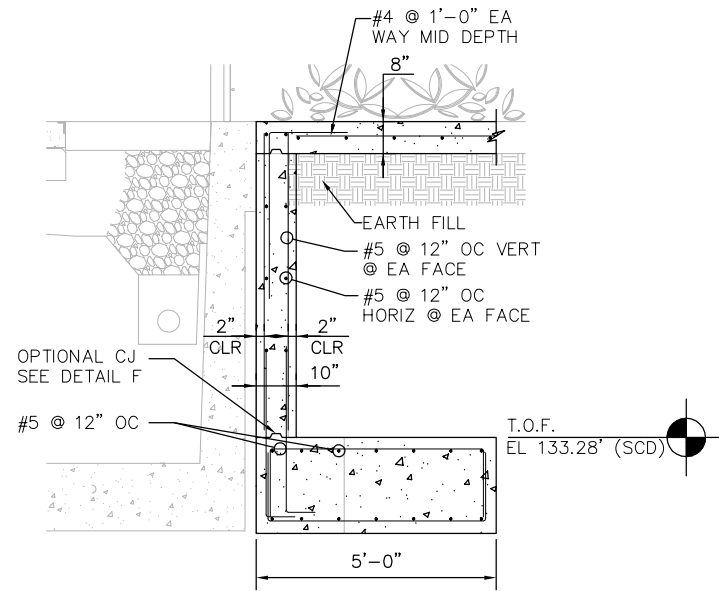
SHEET OF	SD802
DRAWING NO.	SD802
REVISION	C

PCA NO.	000	CONTRACT NO.	C801	FILE LOCATION	PROJECTWISE
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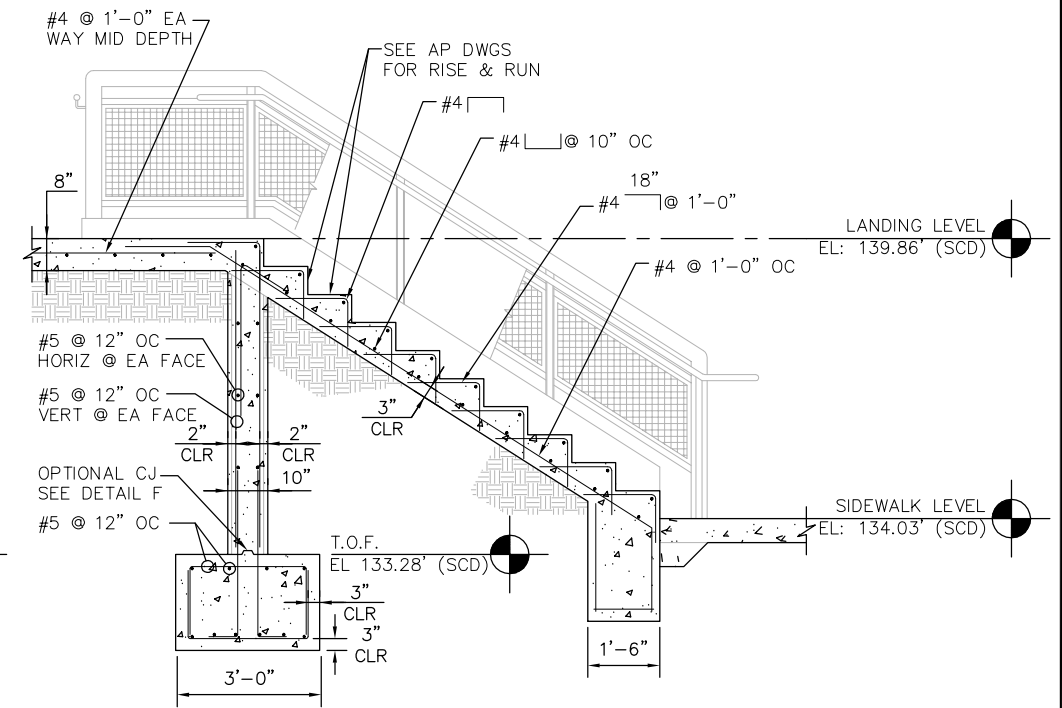
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SECTION A
1/4"=1'-0"



DETAIL 1
1"=1'-0"



DETAIL 2
1"=1'-0"

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SIERRA ENGINEERING GROUP DESIGNED: S. CASTRO DRAWN: H. NUALLES		TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440 CHECKED: F. FRANCO CADD FILE NAME: 801SD803.dwg	
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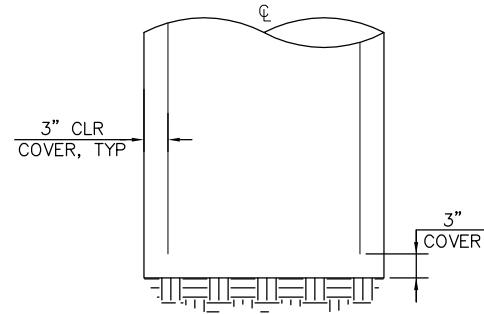
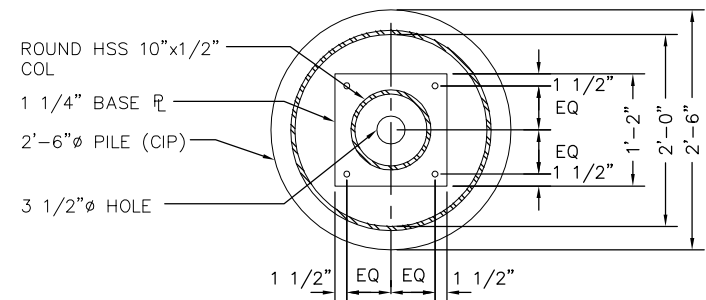
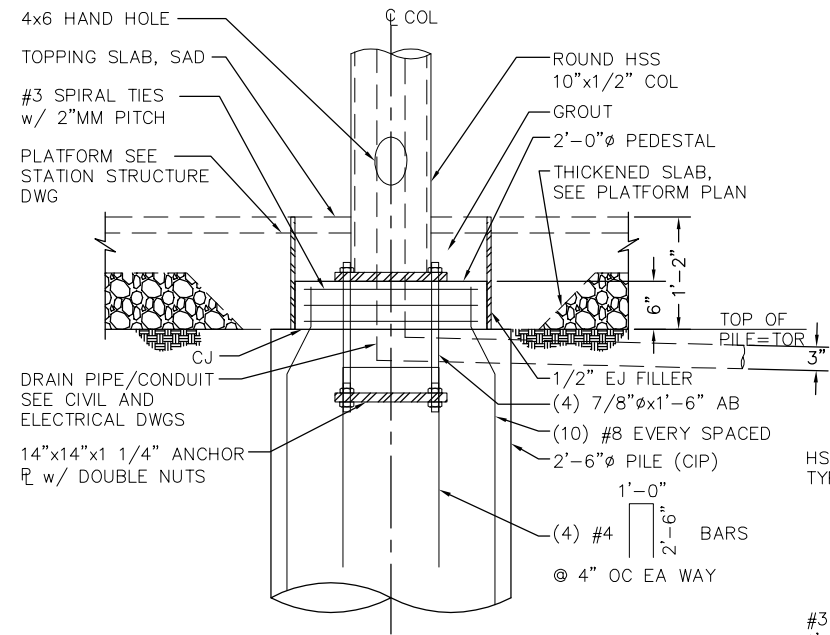


APPROVED: BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE: 06/29/20	SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20	BOARD APPROVAL DATE:

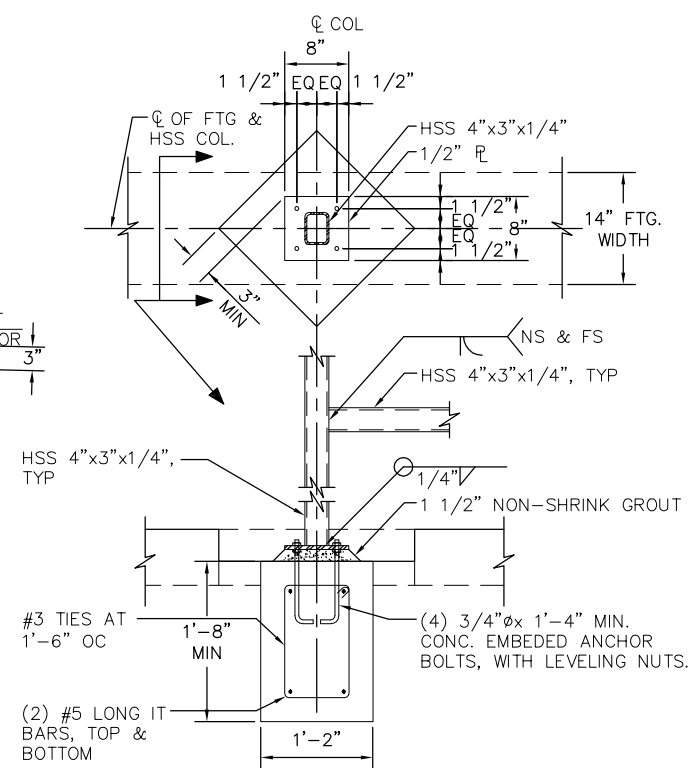
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL EASTRIDGE STATION PLATFORM DETAILS No.1		
PCA NO.: 000	CONTRACT NO.: C801	FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SD803
REVISION	C

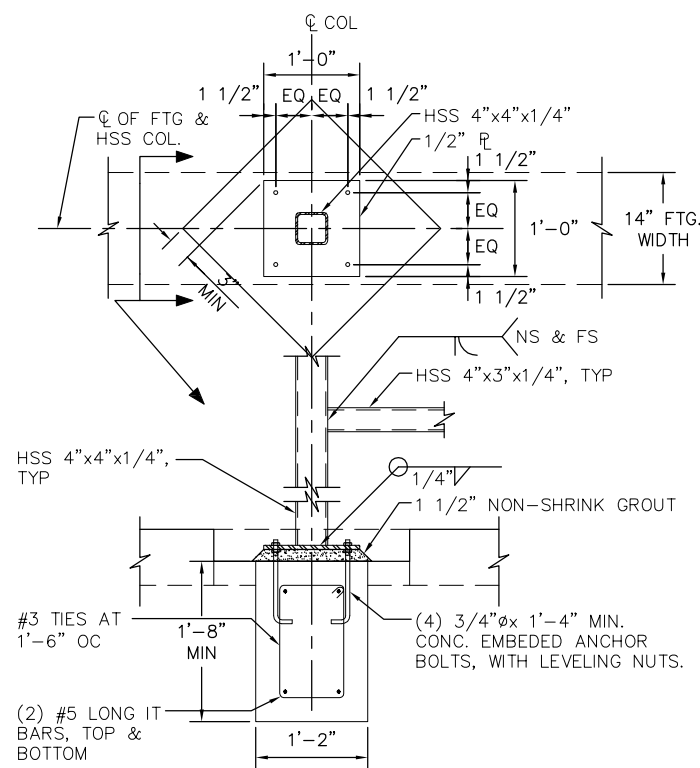
H:\06 - Jun 22, 2020 - 10:54am M:\SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SD_801SD812.dwg



1 SHELTER/TVM COLUMN DETAIL
 1"=1'-0"



2 WIND SCREEN COLUMN DETAIL
 1"=1'-0"



3 KIOSK COLUMN DETAIL
 1"=1'-0"

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED:	S. CASTRO
CHECKED:	F. FRANCO
DRAWN:	H. NUALLES
CADD FILE NAME:	801SD812.dwg

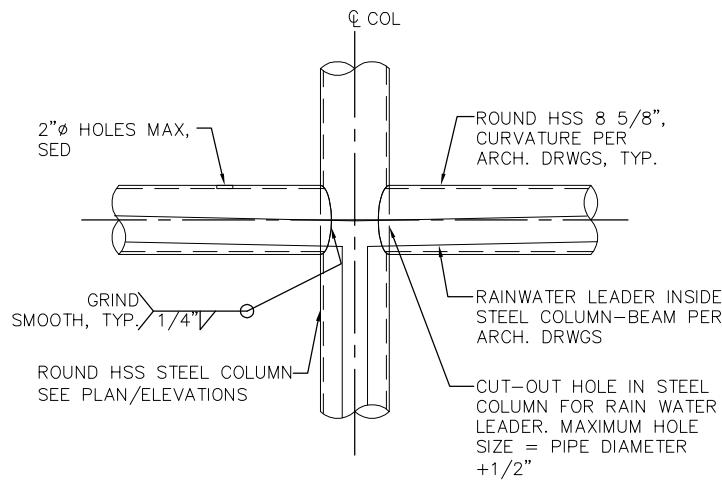


APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
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SUBMITTAL DATE:	06/29/20
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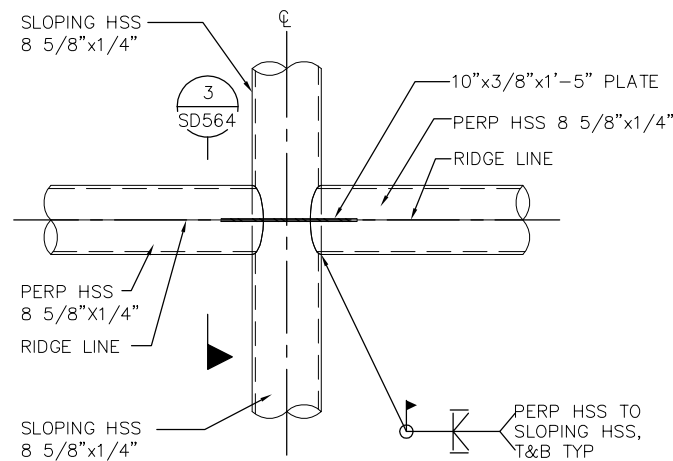
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION AND ACCESS STRUCTURES SHELTER CANOPY AND TVM SHELTER CANOPY DETAILS No. 1			
PCA NO.:	000	CONTRACT NO.:	C801
FILE LOCATION:	PROJECTWISE		

SHEET OF	
DRAWING NO.	SD812
REVISION	C

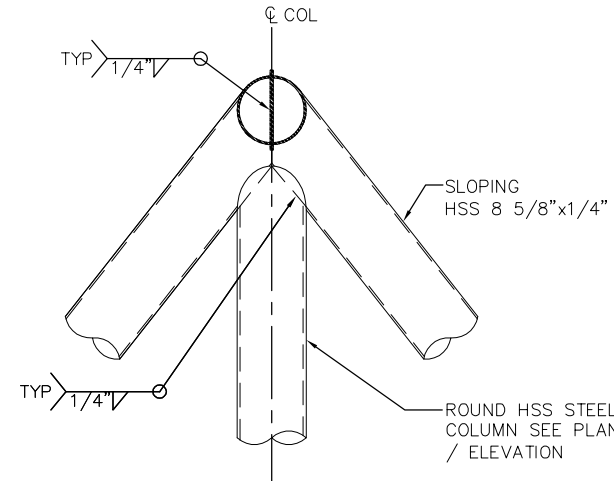
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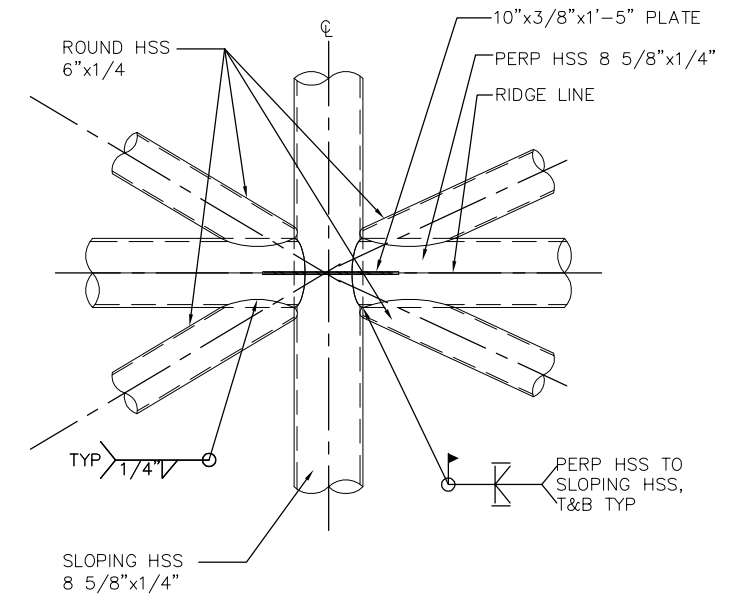
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DETAIL
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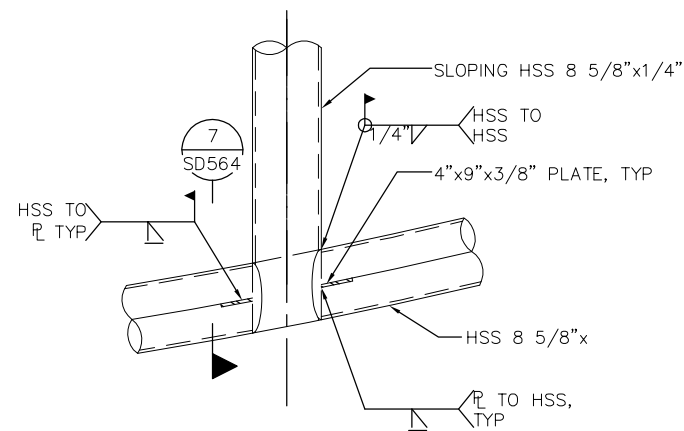
2
DETAIL
1"=1'-0"



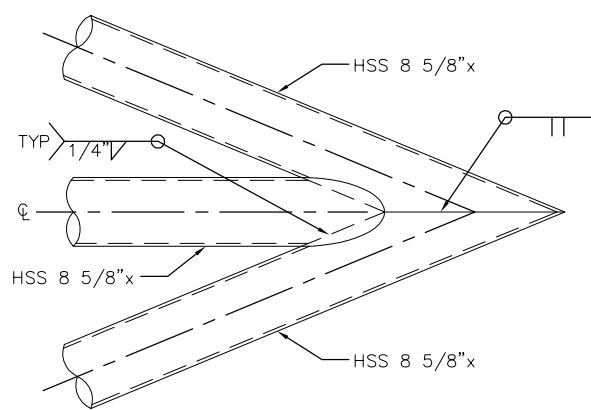
3
DETAIL
1"=1'-0"



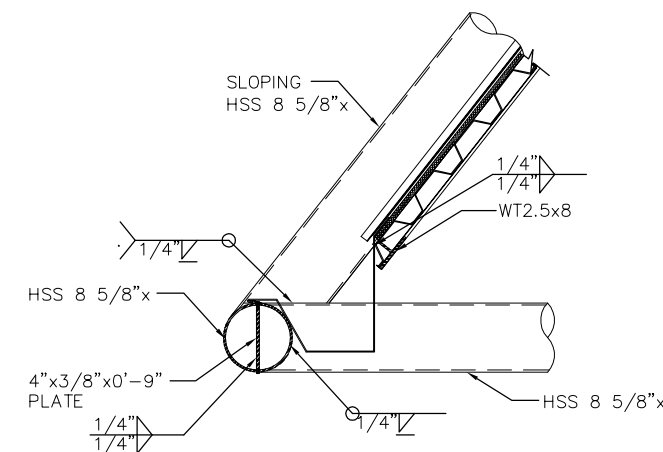
4
DETAIL
1"=1'-0"



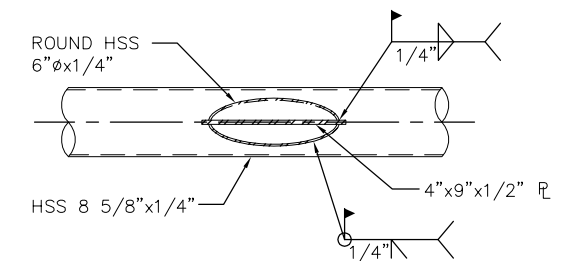
5
DETAIL
1"=1'-0"



6
DETAIL
1"=1'-0"



7
DETAIL
1"=1'-0"



8
DETAIL
1"=1'-0"

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED:	CHECKED:
S. CASTRO	F. FRANCO
DRAWN:	CADD FILE NAME:
H.NUALLES	801SD814.dwg

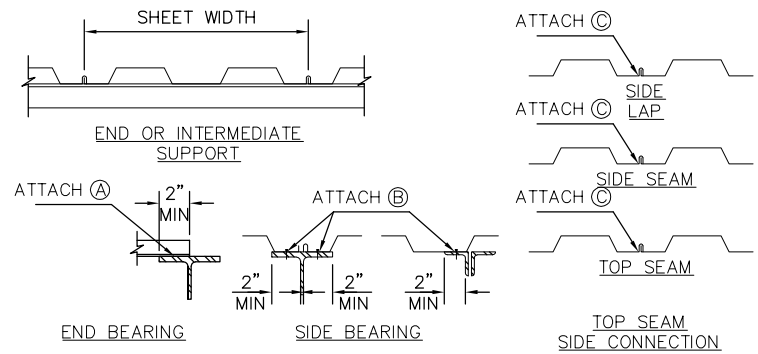


APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE:	SCALE:
06/29/20	AS SHOWN
SUBMITTAL DATE:	BOARD APPROVAL DATE:
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL EASTRIDGE STATION SHELTER CANOPY AND TVM SHELTER CANOPY DETAILS No. 3		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	SD814
REVISION	C

H:\06 - Jun 22, 2020 - 10:53am M:\SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SD_801SD815.dwg



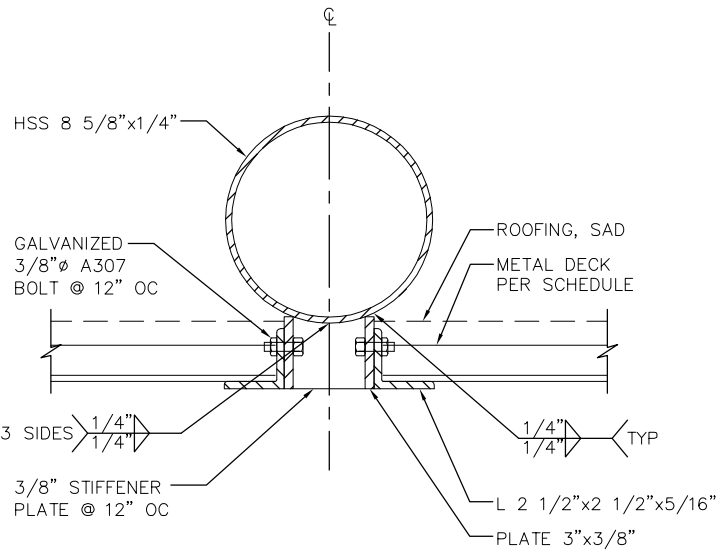
TYPICAL STEEL DECK ATTACHMENT DETAILS

NOTE:
ATTACHMENT DETAILS ARE ALSO APPLICABLE AT WIDE FLANGES, ANGLES AND HSS WHERE THEY OCCUR.

DECK PROFILE	DECK ATTACHMENT								
	MOMENT OF INERTIA		AT PERPENDICULAR SUPPORTS (A)			AT PARALLEL SUPPORTS (B)		DECK SEAM CONNECTION (C)	
	Lp IN ⁴	Ln IN ⁴	SIZE & TYPE	# PER SHEET	SIZE & TYPE	SPACING	SIZE & TYPE	SPACING	
16GA 1 1/2" CELLULAR	0.570	0.407	5/8"x1" PUDDLEWELD	4	5/8"x1" PUDDLEWELD	12" OC	5/8"x1/2" SEAMWELD	12" OC	

- NOTE:
- ATTACHMENT OF DECK TO FRAMING SUPPORT SHALL CONFORM TO SCHEDULE ABOVE.
 - INSTALLATION PROCEDURE & ATTACHMENT SHALL CONFORM TO MANUFACTURER SPECIFICATIONS

1 DECK ATTACHMENT SCHEDULE
NTS



2 DETAIL
3"=1'-0"

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



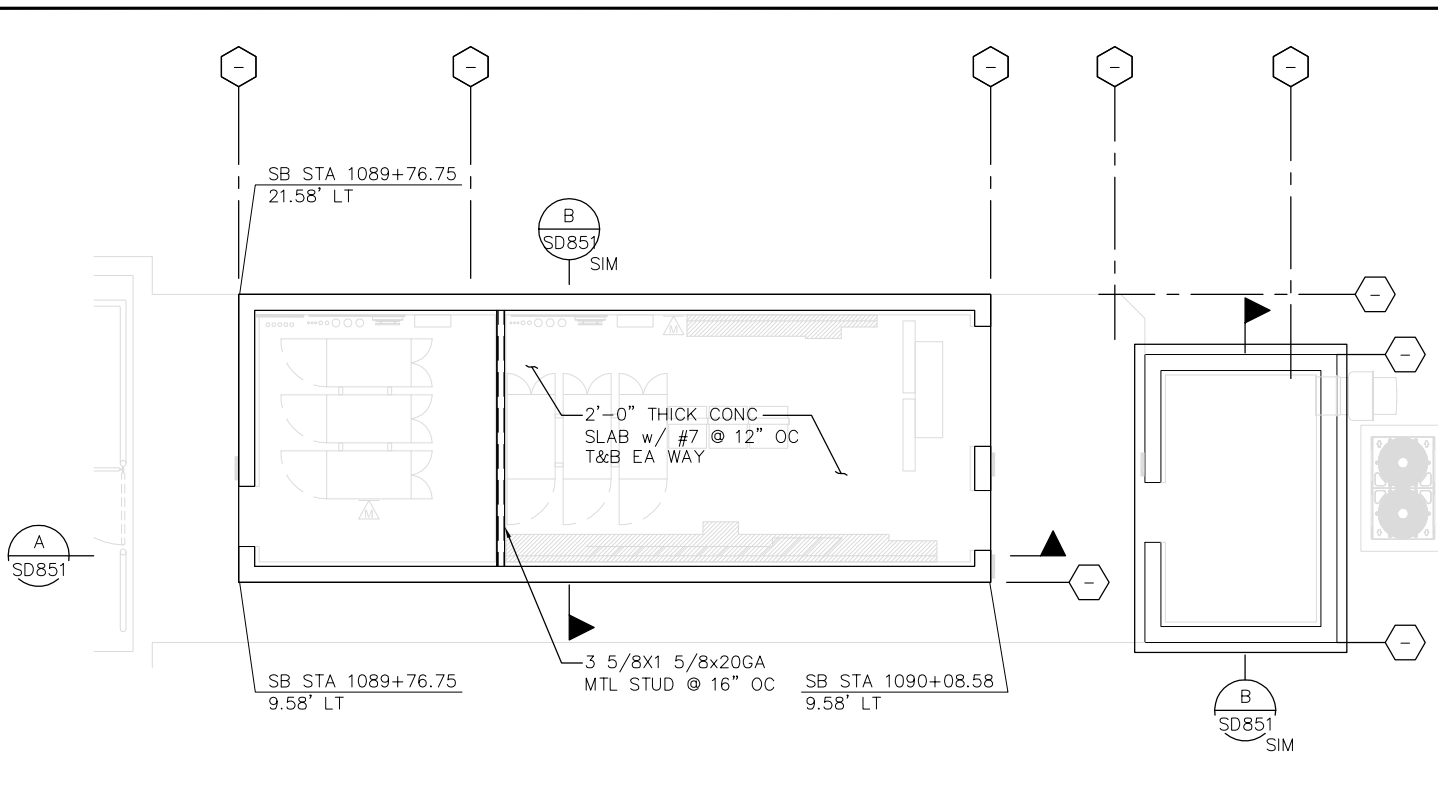
SUBMITTED			
DESIGNED		TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DRAWN		CHECKED	
H.NUALLES		F. FRANCO	
CADD FILE NAME		801SD815.dwg	



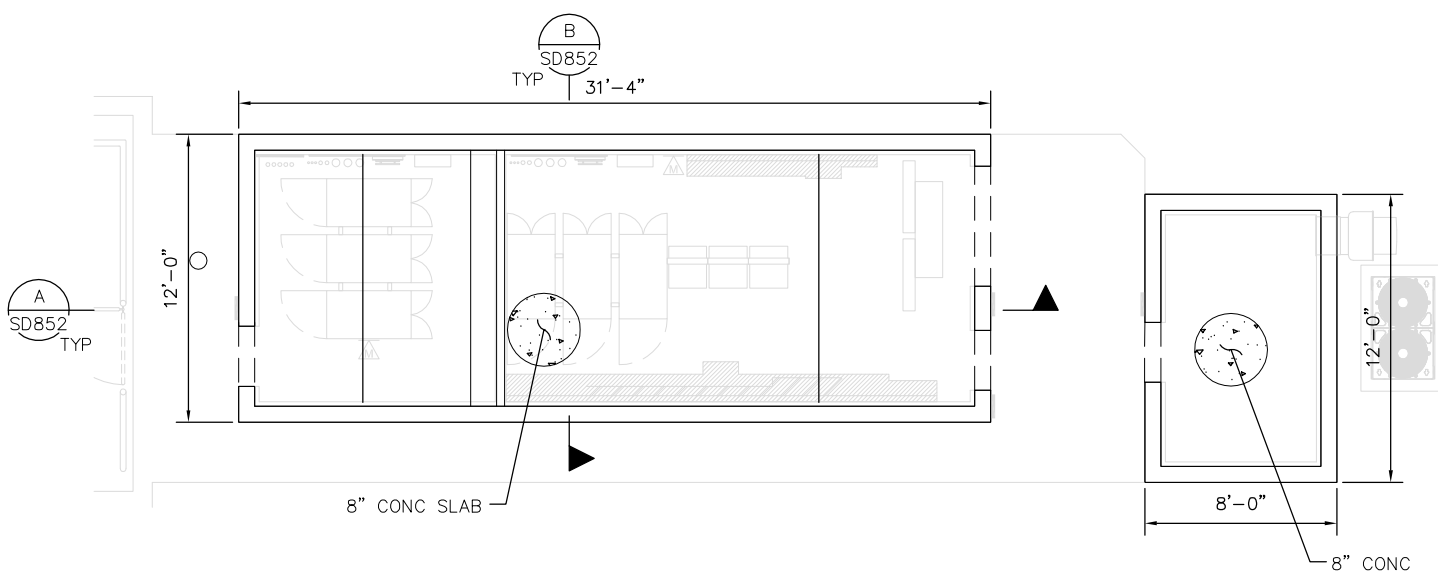
APPROVED			
CADD FILE DATE		SCALE	
06/29/20		AS SHOWN	
SUBMITTAL DATE		BOARD APPROVAL DATE	
06/29/20			

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL EASTRIDGE STATION SHELTER CANOPY AND TVM SHELTER CANOPY DETAILS No. 3			SHEET OF DRAWING NO. SD815 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

H:\Info Jun 22, 2020 - 11:16am M:\SEG ARCHIVE\2018 Projects\ARCHIVE\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SP_801SP851.dwg



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



2 ROOF FRAMING PLAN
1/4" = 1'-0"

- NOTES:
1. FOR FINISHED FLOOR ELEVATION, SEE ARCH DRAWING.
 2. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
 3. FOR PLUMBING AND MECHANICAL DRAWINGS, SEE MP SHEETS.
 4. FOR ELECTRICAL DRAWINGS, SEE EP SHEETS.
 5. REFER TO AT205 FOR ROOF SLOPES AND CRICKETS.

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



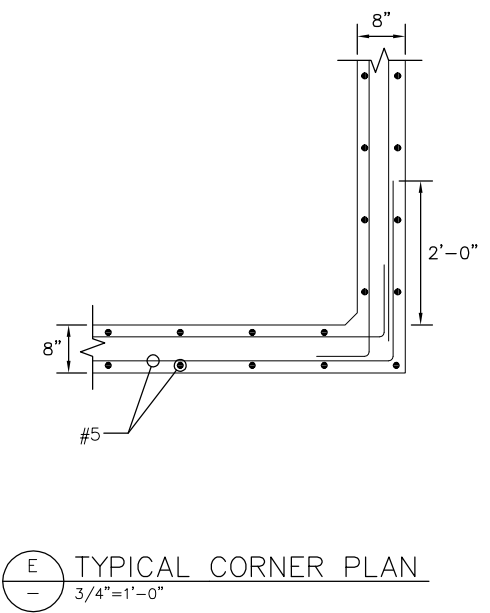
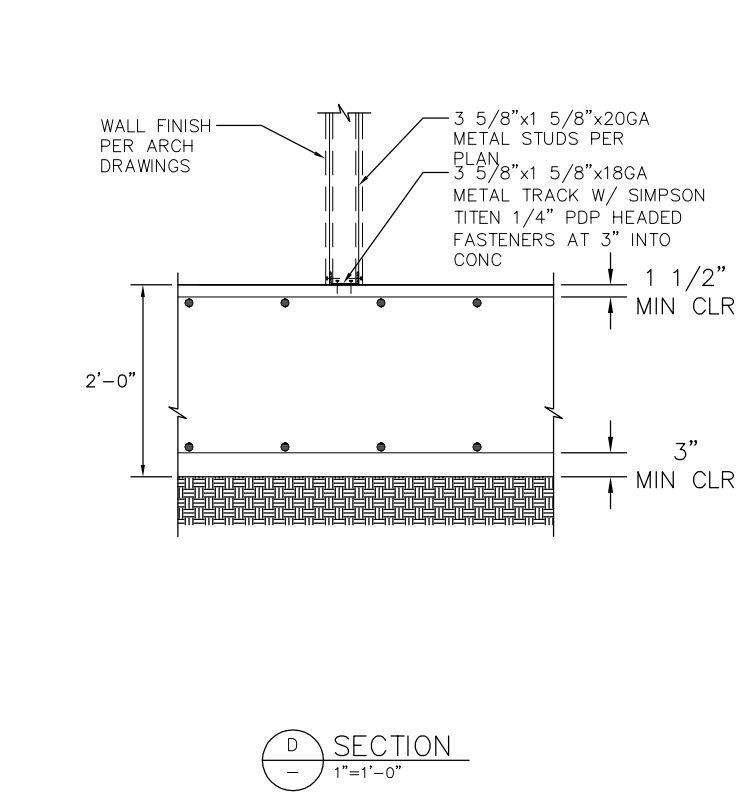
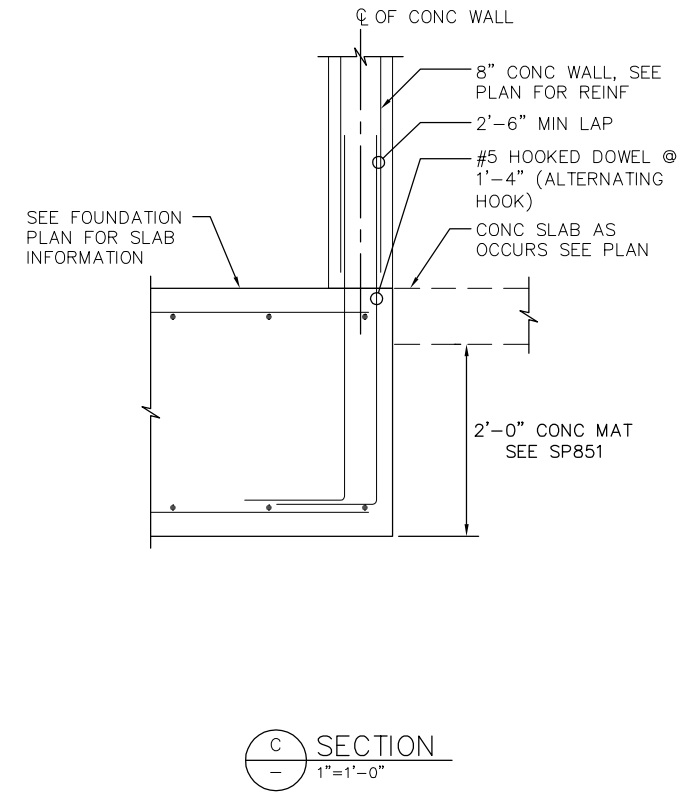
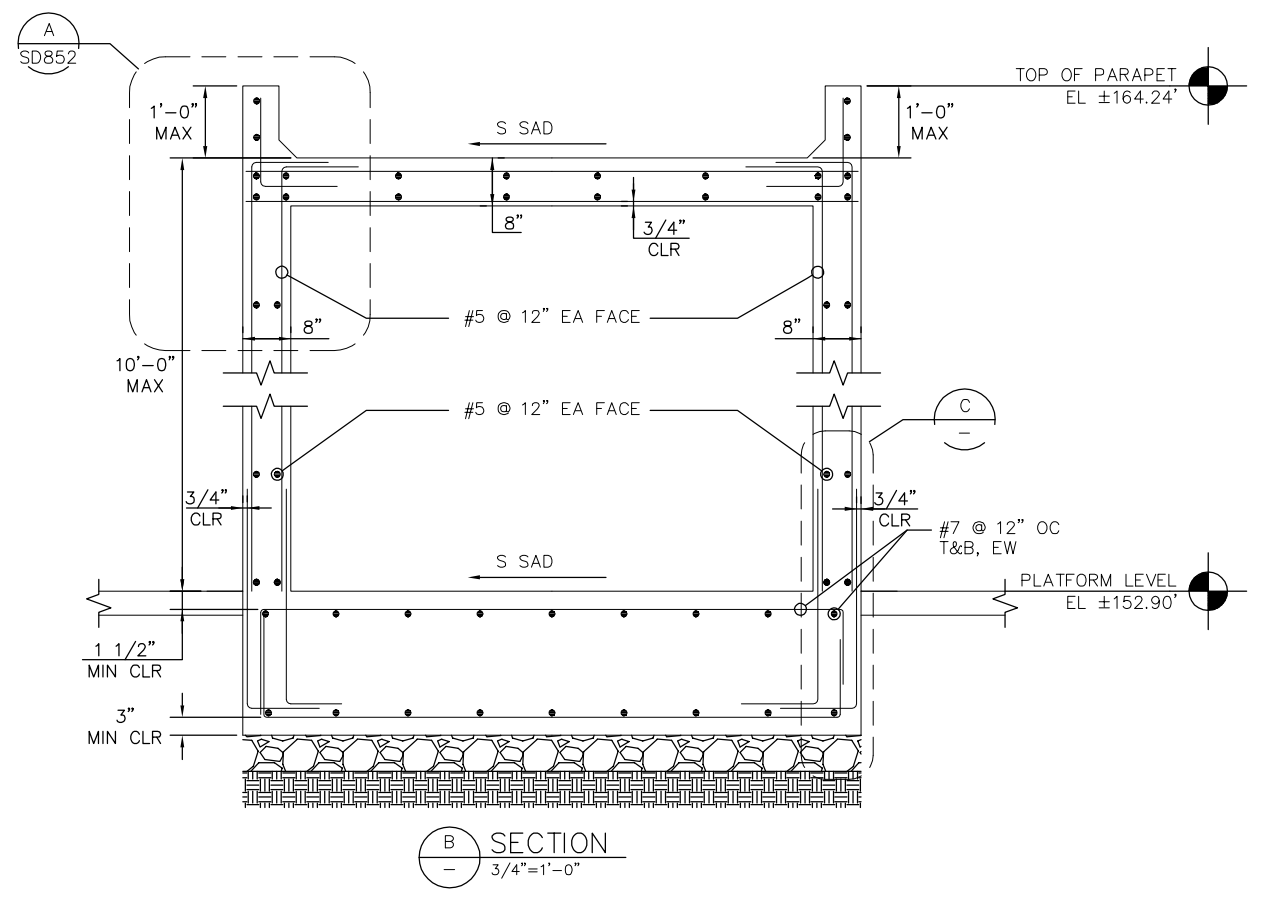
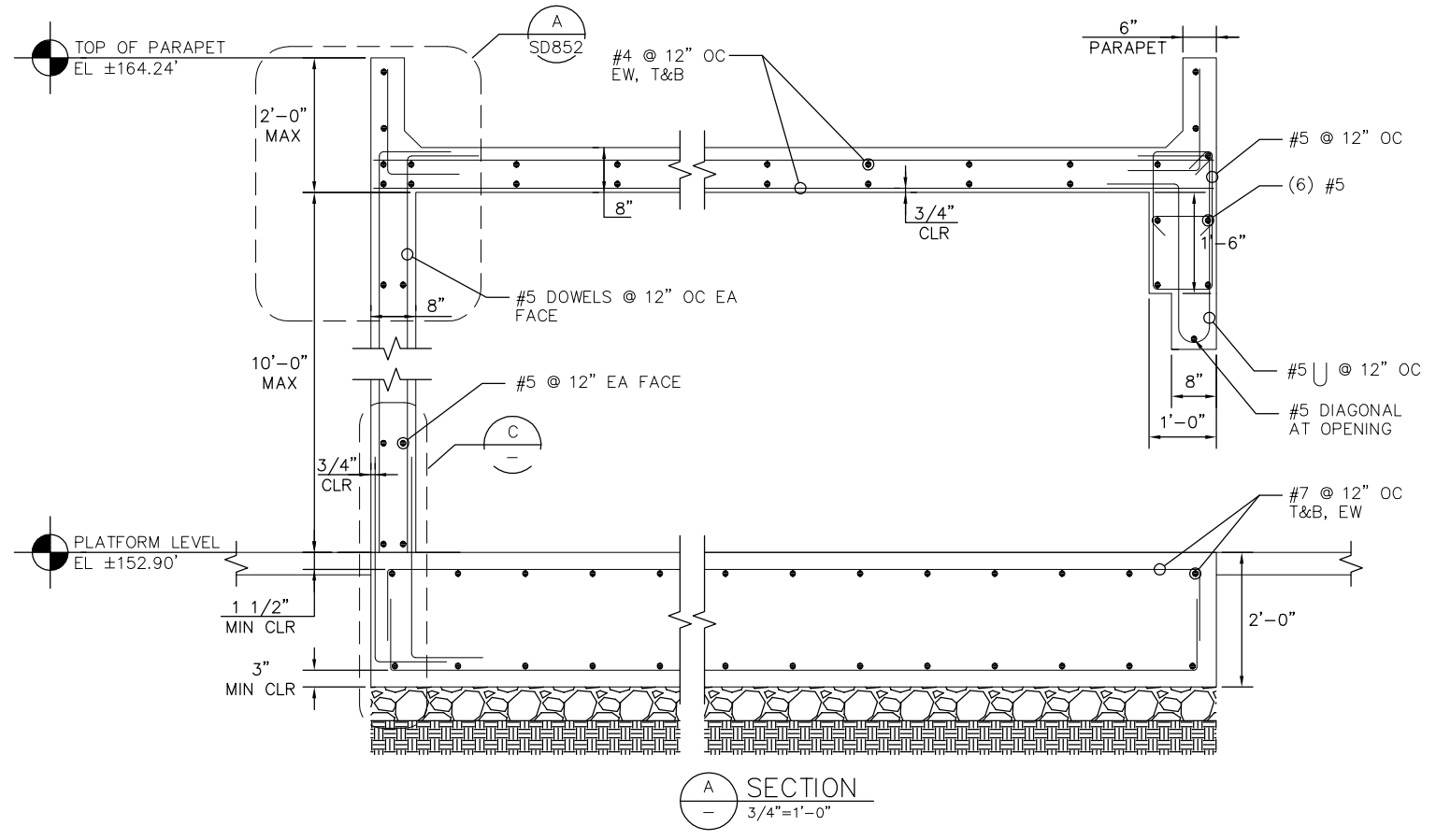
SUBMITTED SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED: M. AUNG	CHECKED: F. FRANCO
DRAWN: H. NUALLES	CADD FILENAME: 801SP851.dwg



APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE: 06/29/20	SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL EASTRIDGE STATION EASTRIDGE SIGNALS/COMM HOUSE PLANS		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF DRAWING NO. SP851 REVISION C
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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



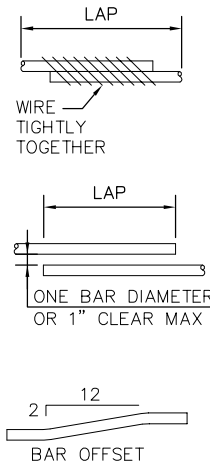
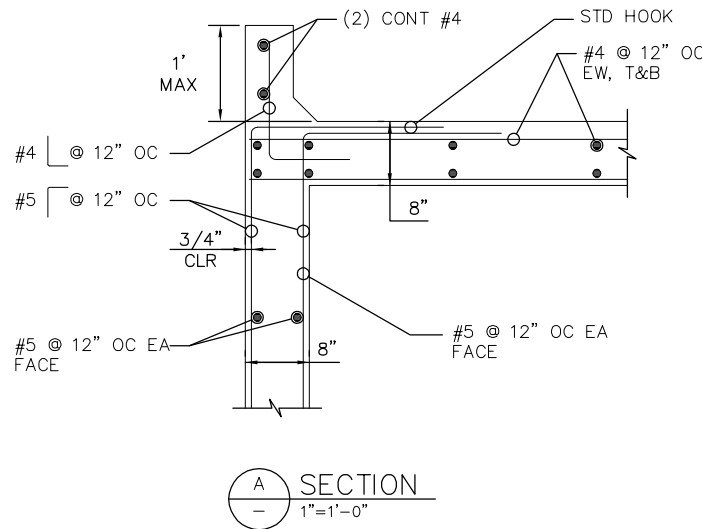
SUBMITTED	
TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED	CHECKED
M. AUNG	F. FRANCO
DRAWN	CADD FILE NAME
H.NUALLS	801SD851.dwg



APPROVED	
CADD FILE DATE	SCALE
06/29/20	AS SHOWN
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR		
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT		
STRUCTURAL		
EASTRIDGE STATION		
EASTRIDGE SIGNALS/COMM HOUSE DETAILS No.1		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	SD851
REVISION	C



TENSION LAP SPLICE FOR GRADE 60 BARS (TOP BARS)

BAR SIZE	F'c = 3000 PSI		F'c = 4000 PSI		F'c = 5000 PSI		F'c = 6000 PSI	
	CLASS A (IN)	CLASS B (IN)	CLASS A (IN)	CLASS B (IN)	CLASS A (IN)	CLASS B (IN)	CLASS A (IN)	CLASS B (IN)
#4	29	38	25	33	23	29	21	27
#5	36	48	31	41	28	36	26	33
#6	78	56	37	49	34	44	31	40
#7	63	81	54	71	49	63	45	58
#8	72	93	62	81	56	72	51	66
#9	81	105	70	91	63	81	57	74
#10	91	118	79	102	71	92	64	84
#11	101	131	87	114	78	102	71	93

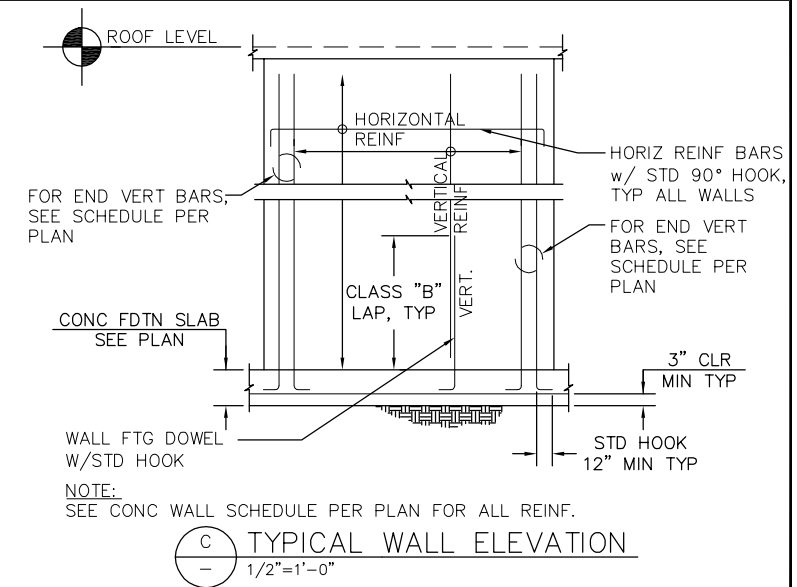
TENSION LAP SPLICE FOR GRADE 60 BARS

BAR SIZE	F'c = 3000 PSI		F'c = 4000 PSI		F'c = 5000 PSI		F'c = 6000 PSI	
	CLASS A (IN)	CLASS B (IN)	CLASS A (IN)	CLASS B (IN)	CLASS A (IN)	CLASS B (IN)	CLASS A (IN)	CLASS B (IN)
#4	22	29	19	25	18	23	18	21
#5	28	36	24	31	22	28	20	26
#6	33	43	29	37	26	34	24	31
#7	48	63	42	54	39	49	34	45
#8	55	72	48	62	43	56	39	51
#9	62	81	54	70	48	63	44	57
#10	70	91	61	79	54	71	50	64
#11	78	101	67	87	60	78	55	71

NOTES:

- TOP BARS = HORIZONTAL BARS (OTHER THAN IN WALLS) PLACED WITH MORE THAT 12" OF FRESH CONCRETE CAST BELOW THEM.
- ABOVE TABLES ARE BASED UPON MINIMUM CLEAR COVER GREATER THAN 1.0db AND MINIMUM CLEAR SPACING GREATER THAN 2db. WHERE EITHER OF THESE REQUIREMENTS IS NOT MET, INCREASE LAP LENGTH BY 50%.
- USE CLASS B FOR ALL BAR SPLICES, U.N.O.

B TENSION LAP SPLICE SCHEDULE
1"=1'-0"



H:\2020 - 10-52cm M.\SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SD_801SD852.dwg
 Jun 22, 2020 - 10:52am M.

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



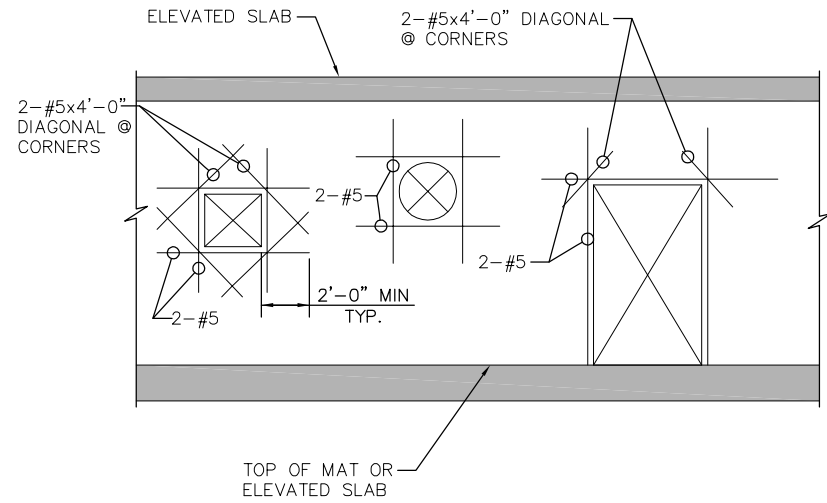
SIERRA ENGINEERING GROUP DESIGNED: M. AUNG DRAWN: H. NUALLES		TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440 CHECKED: F. FRANCO CADD FILE NAME: 801SD852.dwg	
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APPROVED: BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE: 06/29/20	SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20	BOARD APPROVAL DATE:

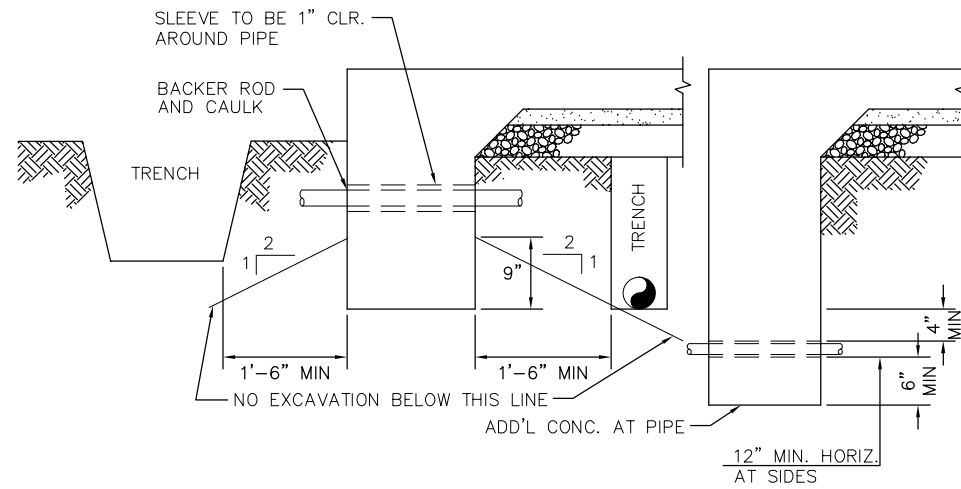
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL EASTRIDGE STATION EASTRIDGE SIGNALS/COMM BLDG DETAILS No. 2			SHEET OF DRAWING NO. SD852 REVISION C
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

NOTE:
 PROVIDE MINIMUM REINFORCEMENT SHOWN FOR
 ALL OPENINGS > 12". ALL RECESSES IN WALLS
 SHALL BE TREATED AS OPENINGS.



1 ADDED REBAR AT CONCRETE WALL OPENINGS
 NTS

NOTES:
 DEPTH OF FTGS. MAY BE DETERMINED BY LOCATION OF PIPE. GEN.
 CONTRACTOR SHALL CONSULT WITH THE MECH. CONTRACTOR TO DETERMINE
 THE EXACT DEPTH AND LOCATION OF PIPES. WHERE PIPES CROSS UNDER
 AND ARE NOT MORE THAN THREE (3) FEET BELOW THE NORMAL BOTTOM
 OF THE FTG., EXCAVATION SHALL BE AS SHOWN BELOW FILLED WITH
 CONCRETE. WHERE PIPES CROSS UNDER AND ARE MORE THAN THREE (3)
 FEET BELOW, THE FTG. SHALL BE STEPPED.



3 FOOTING PENETRATION DETAIL
 NTS

H:\proj\2020 - 1:00pm M. SEC. ARCHIVE\2018 Projects\B005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SD\801SD854.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



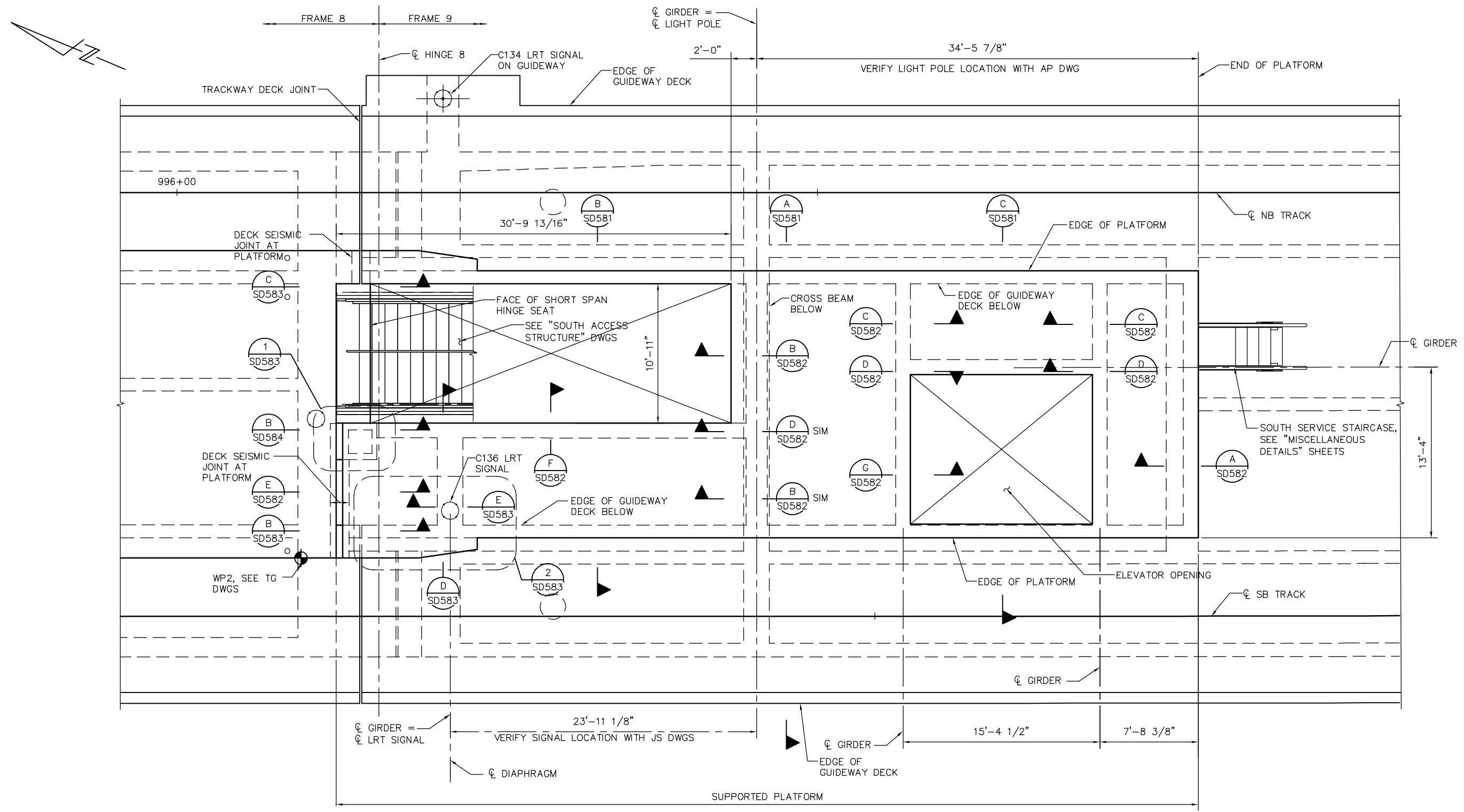
SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED	CHECKED
M. AUNG	F. FRANCO
DRAWN	CADD FILE NAME
H.NUALLES	801SD854.dwg



APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
06/29/20	AS SHOWN
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION AND ACCESS STRUCTURES EASTRIDGE SIGNAL/COMM HOUSE DETAILS No. 4		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

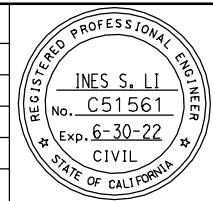
SHEET	OF
DRAWING NO.	SD854
REVISION	C



SMH Jun 21, 2020 - 1:50pm W:\2017\2017103\STORY-STATION-SUPPARED-PLATFORM\801SP581.dwg

PLAN CHECK SET/NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95126
 408-296-5515

DESIGNED D. CHAN
CHECKED D. DEVLIN
DRAWN S. HICKEY
 CADD FILENAME: 801SP581.dwg

Santa Clara Valley Transportation Authority

BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

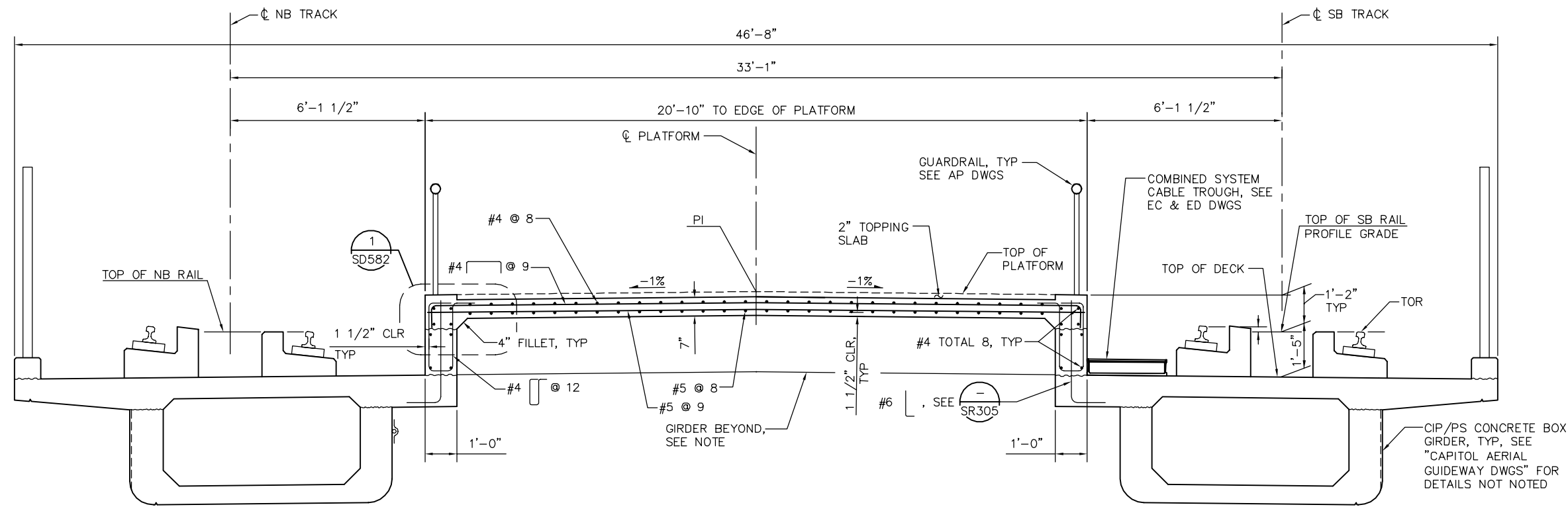
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 SUBMITTAL DATE: 06/29/20

SCALE: 1/4" = 1'-0"
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 STORY STATION SUPPORTED PLATFORM
 SUPPORTED PLATFORM FRAMING PLAN

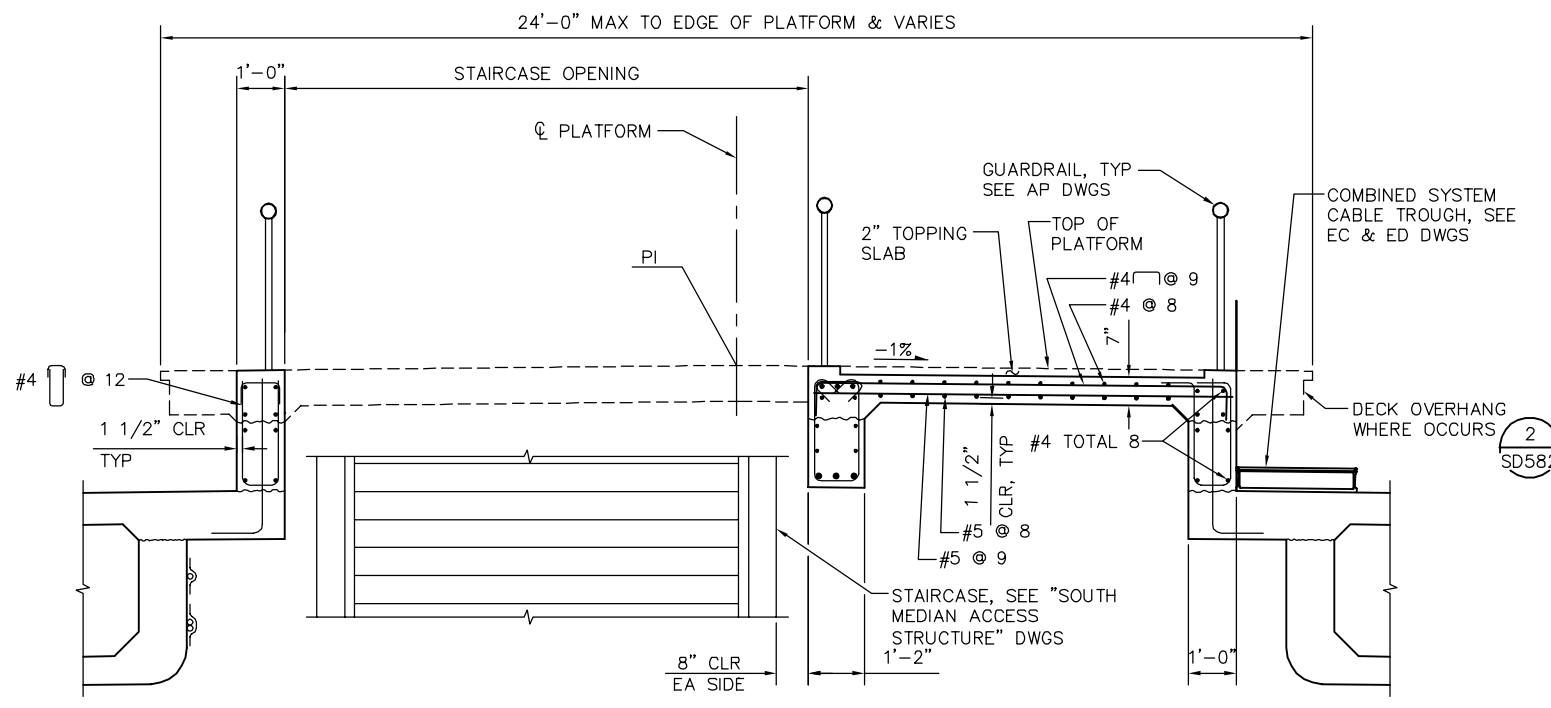
PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SP581
REVISION	A

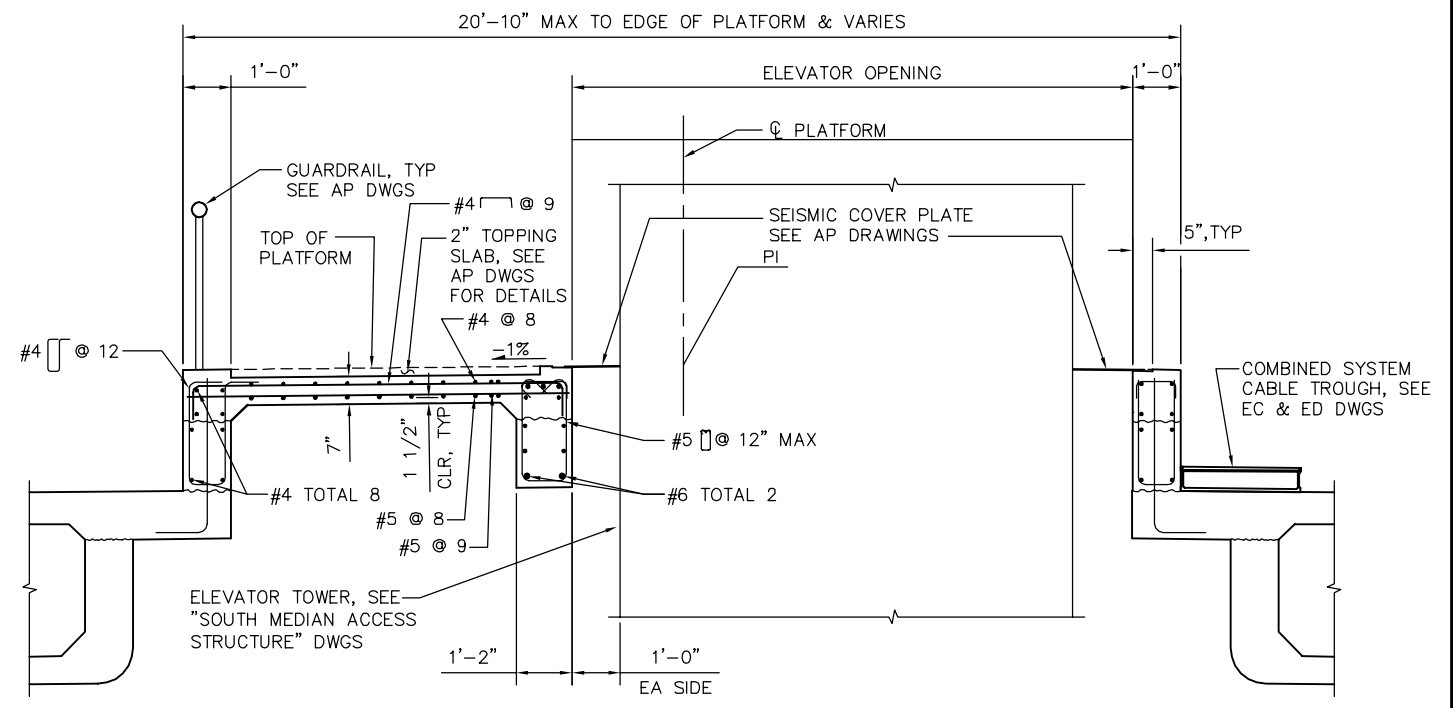


NOTE:
GIRDER SOFFIT MAY MATCH DECK
CROSS SLOPE OR BE LEVEL.

A SUPPORTED PLATFORM SECTION
1/2" = 1'-0"



B SUPPORTED PLATFORM SECTION
1/2" = 1'-0"

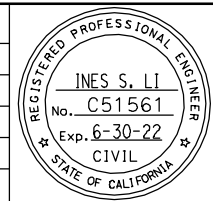


C SUPPORTED PLATFORM SECTION
1/2" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 1:50pm W:\2017\2017103\STORY-STATION-SUPPORTED-PLATFORM\801SD581.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SD581.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

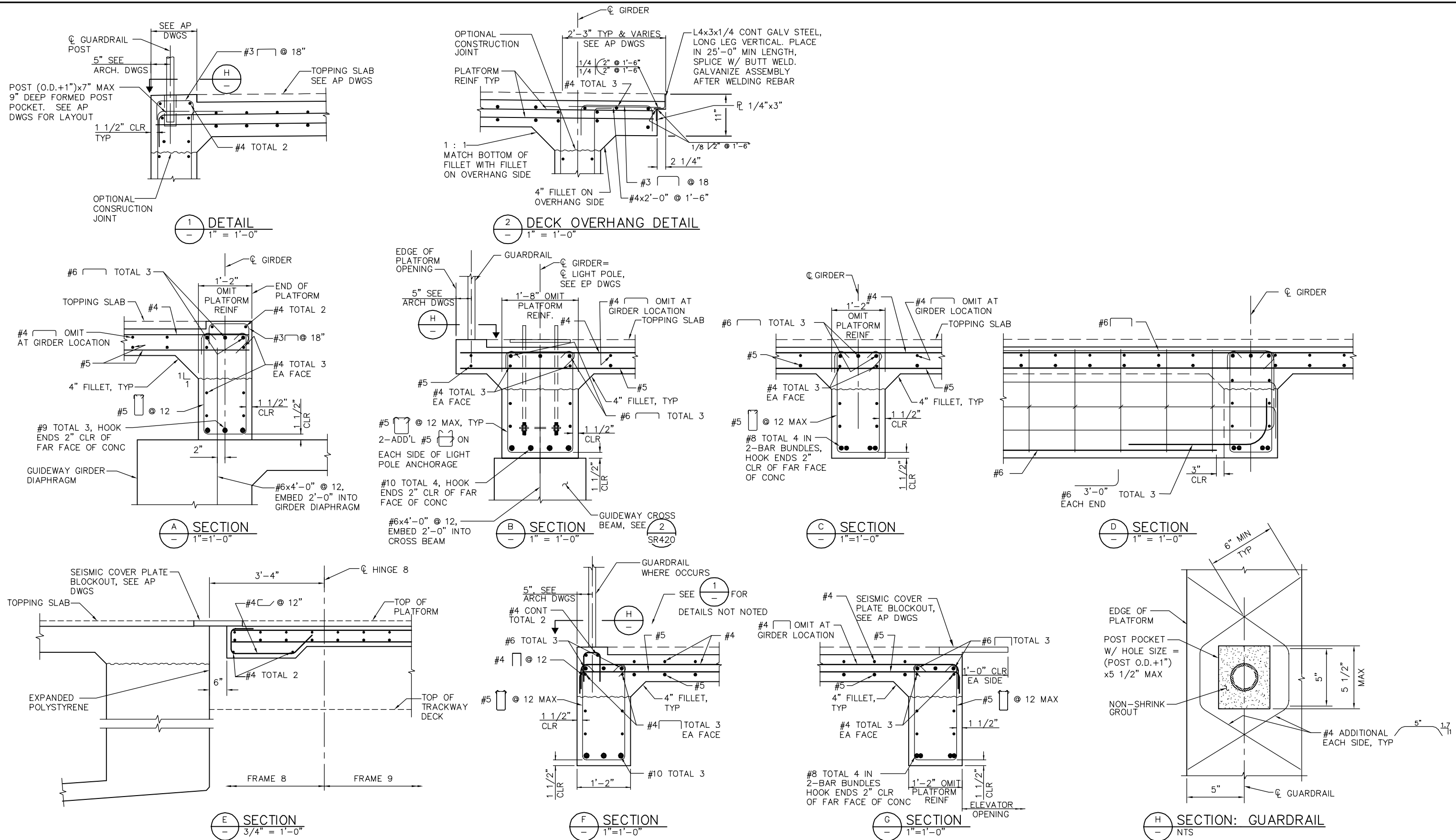
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SUBMITTAL DATE: 06/29/20

SCALE: 1/2" = 1'-0"
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
STORY STATION SUPPORTED PLATFORM
SUPPORTED PLATFORM DETAILS No. 1

PCA NO.: 000
CONTRACT NO.: C801
FILE LOCATION: PROJECTWISE

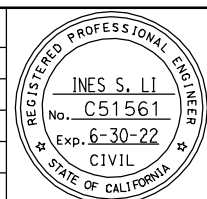
SHEET OF	SD581
DRAWING NO.	SD581
REVISION	A



PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 1:52pm W:\2017\2017103\STORY-STATION-SUPPORTED-PLATFORM\01SD582.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SD582.dwg

Santa Clara Valley Transportation Authority

APPROVED
BKF100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILEDATE
05/18/20

SCALE
AS SHOWN

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

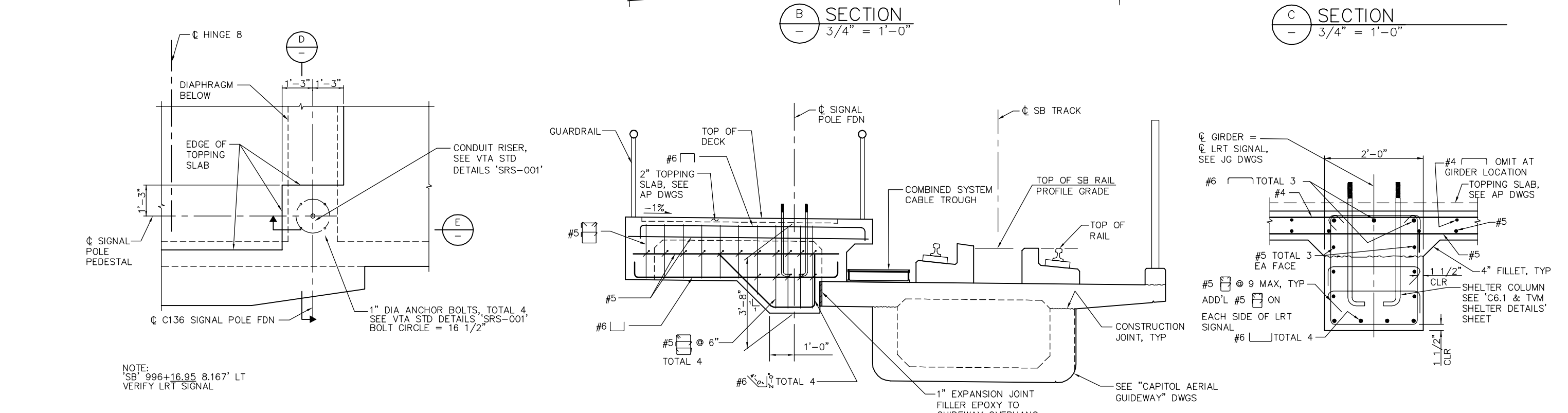
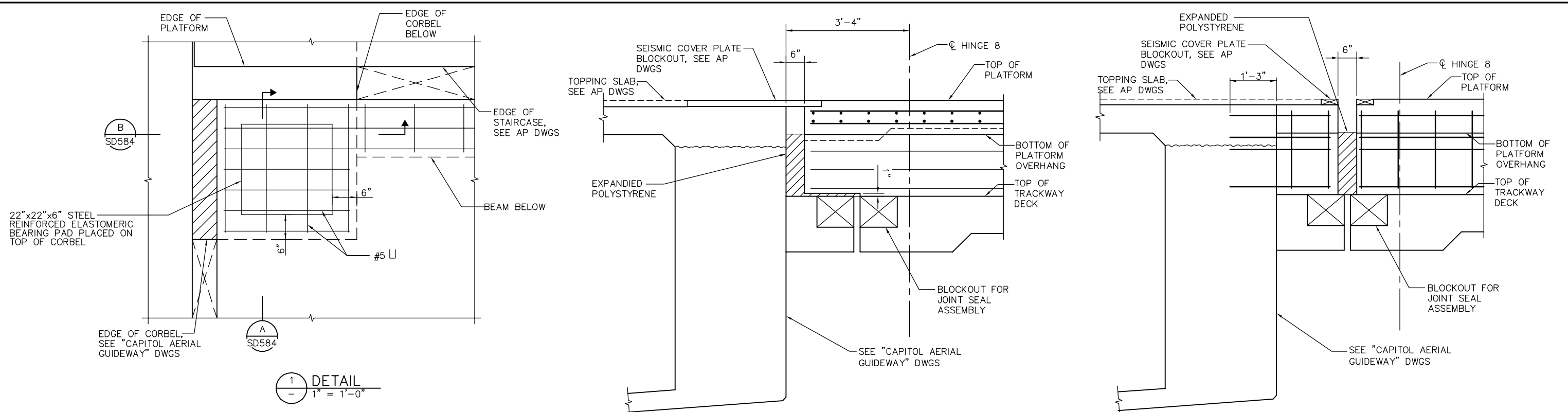
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
STORY STATION SUPPORTED PLATFORM
SUPPORTED PLATFORM DETAILS No. 2

PCA NO. 000

CONTRACT NO. C801

FILE LOCATION
PROJECTWISE

SHEET OF
DRAWING NO. SD582
REVISION A



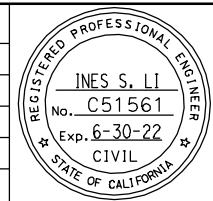
NOTE:
'SB' 996+16.95 8.167' LT
VERIFY LRT SIGNAL

NOTE
NOT ALL REINF
SHOWN FOR CLARITY

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 1:52pm W:\2017\2017103\STORY-STATION-SUPPORTED-PLATFORM\01SD583.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SD583.dwg

Santa Clara Valley Transportation Authority

APPROVED
BKF100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
05/18/20

SCALE
AS SHOWN

SUBMITTAL DATE
06/29/20

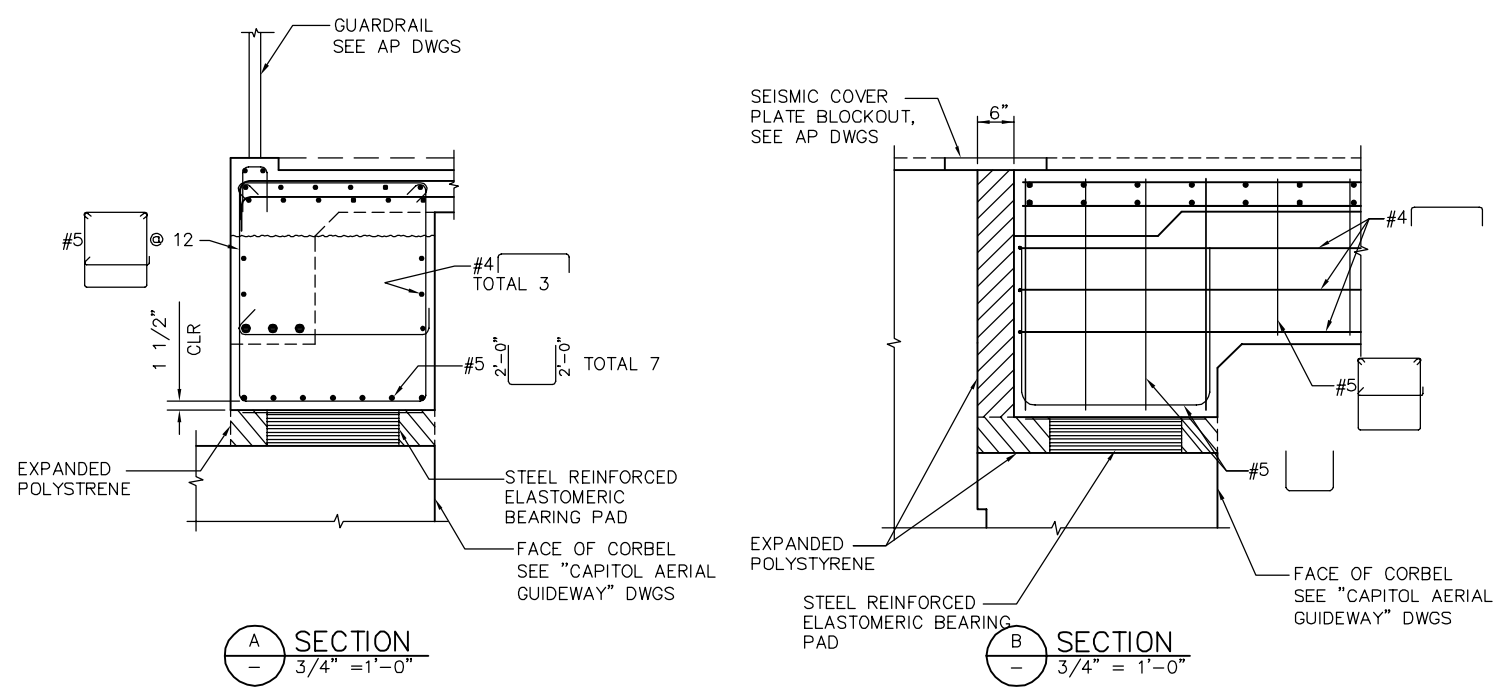
BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
STORY STATION SUPPORTED PLATFORM
SUPPORTED PLATFORM DETAILS No. 3

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

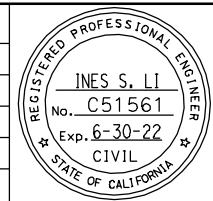
SHEET OF
DRAWING NO. SD583
REVISION A

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PLAN CHECK SET/NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SD584.dwg



APPROVED

BKF100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

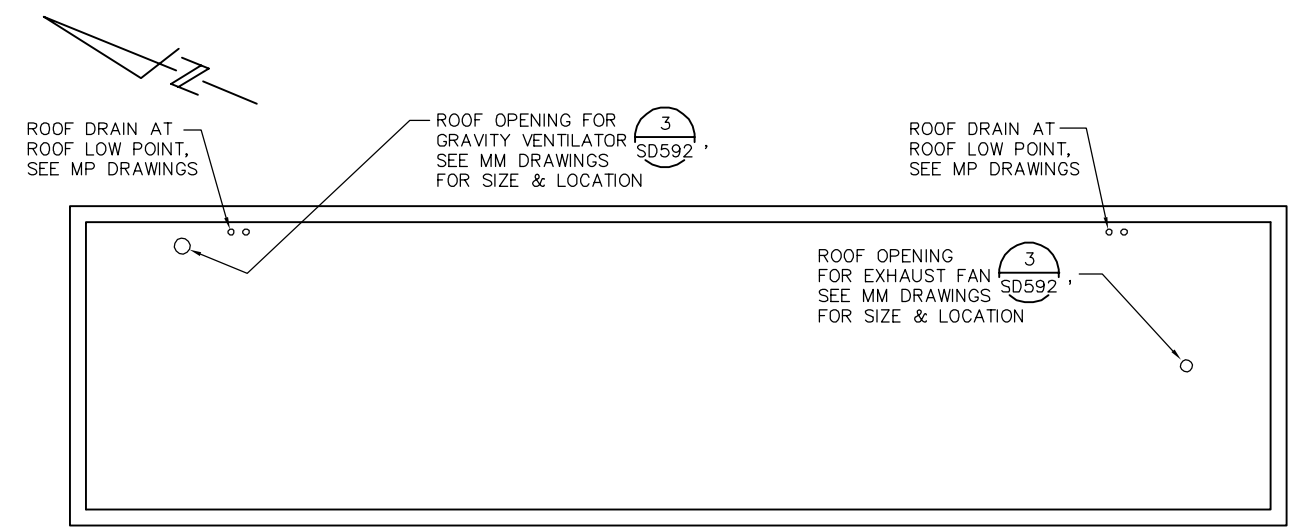
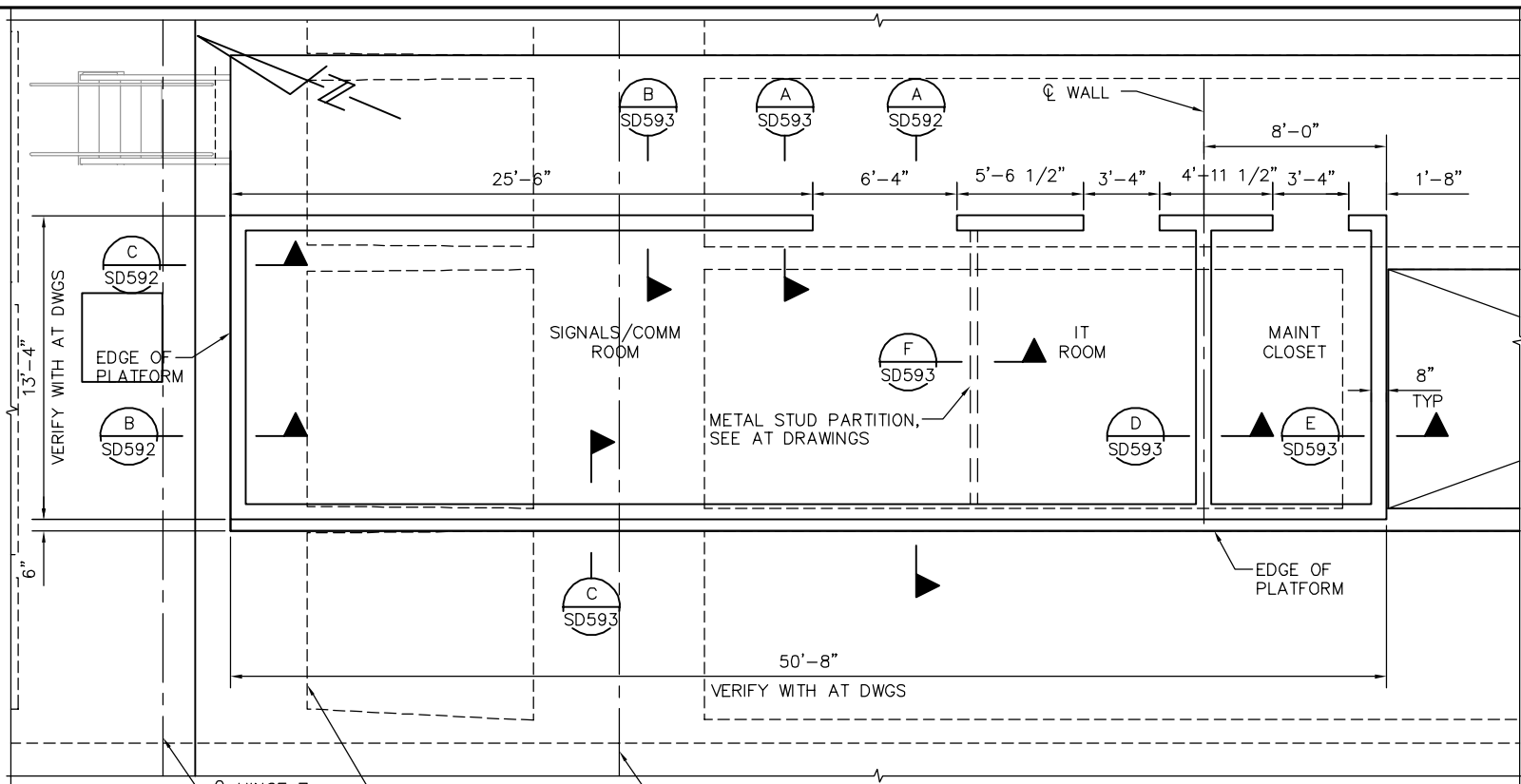
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 SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
 BOARD APPROVAL DATE:

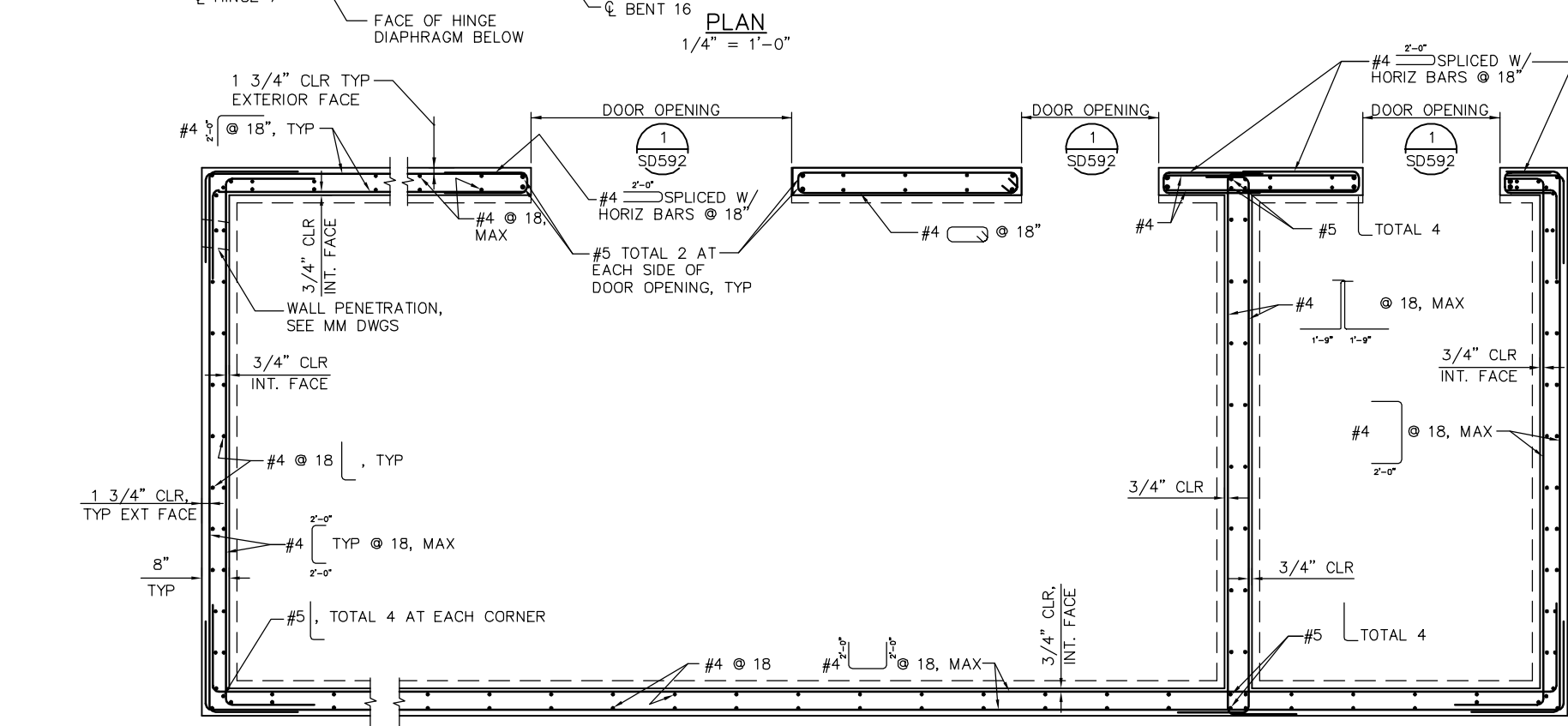
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 STORY STATION SUPPORTED PLATFORM
 SUPPORTED PLATFORM DETAILS No. 4

PCA NO.: 000
 CONTRACT NO.: C801
 FILE LOCATION: PROJECTWISE

SHEET OF	SD584
REVISION	A



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



REINFORCING PLAN
1/2" = 1'-0"

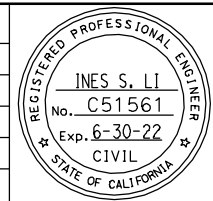
PROJECT DATA

- PLANS AND CALCULATIONS FOR THE STRUCTURAL DESIGN WERE BASED UPON
CBC 2016
IBC 2015
SEISMIC DESIGN MANUAL VOL. II SEAOC, JULY 2007
ACI 318-14
ASCE 7-10
- DESIGN LOADS ARE AS FOLLOWS:
VERTICAL
ROOF LIVE LOAD 20 PSF
ROOF CONCENTRATED LIVE LOAD 300 LBS
PARTITION WALL (ALLOWABLE) 20 PSF
LATERAL
WIND PER ASCE 7-10 115 MPH BASIC WIND SPEED (3 SECOND GUST)
WIND IMPORTANCE FACTOR, I = 1.25
OCCUPANCY CATEGORY I
EXPOSURE CATEGORY C
INTERNAL PRESSURE COEFFICIENT, G_{Cp} = ±0.50
SEISMIC PER ASCE 7-10 SEISMIC IMPORTANCE FACTOR, I = 1.25
SITE CLASS D
S_{ds} = 1.5 S_{d1} = 1.15
S_s = 1.0 S_{s1} = 1.15
SEISMIC DESIGN CATEGORY D
FOR ELASTIC DESIGN R = 1 C_s = 1.2
V = C_s W = 1.2 W = 305 kips
C_s OBTAINED FROM ARS IS BASED ON DOMINANT PERIOD OF BRIDGE AT UTILITY ROOM LOCATION (T = 0.9sec)
DESIGN IS BASED ON THE ASSUMPTION THAT THE WALL WILL REMAIN UNCRACKED DURING EARTHQUAKE.
- MATERIAL PROPERTIES
CONCRETE:
f'_c = 4000 PSI
β₁ = 0.85
STEEL REBAR:
ASTM A706/A706M, GRADE 60:
f_y = 60,000 PSI
E_s = 29,000 KSI

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 21, 2020 - 8:18am W:\2017\2017103\STATION-SIGNALS_COMM-HOUSE\801SD591.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED
D. CHAN

CHECKED
D. DEVLIN

DRAWN
S. HICKEY

CADD FILENAME
801SD591.dwg

Santa Clara Valley Transportation Authority

APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
05/18/20

SCALE
AS SHOWN

SUBMITTAL DATE
06/29/20

BOARD APPROVAL DATE

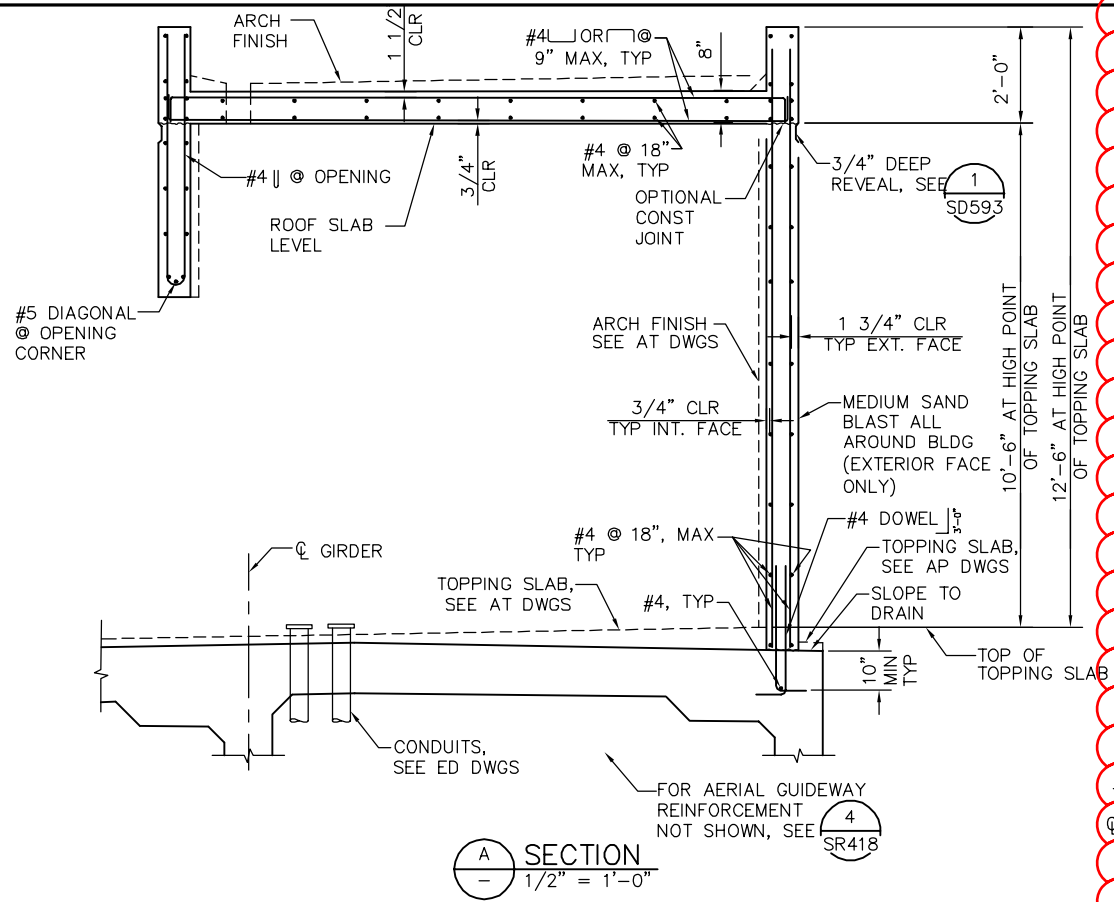
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
STORY STATION SIGNALS/COMM HOUSE
SIGNALS/COMM HOUSE DETAILS No. 1

PCA NO. 000

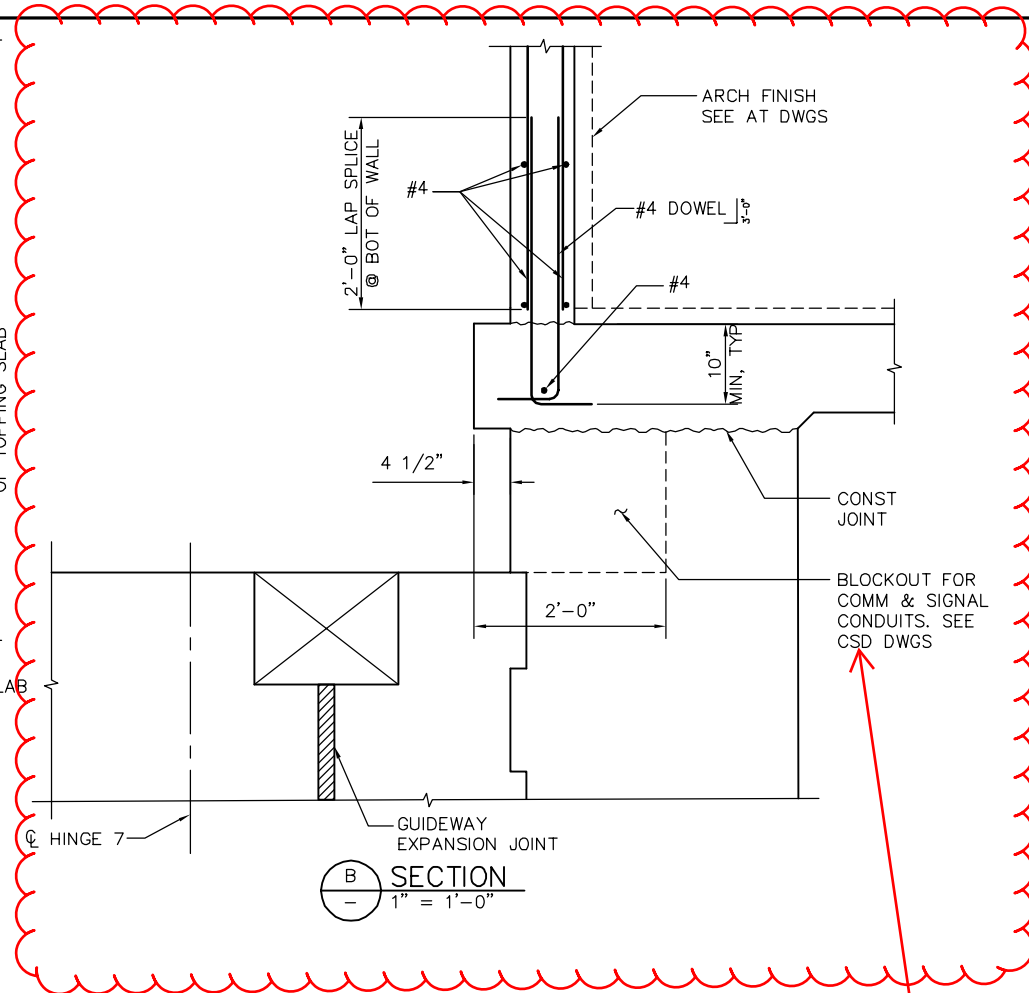
CONTRACT NO. C801

FILE LOCATION
PROJECTWISE

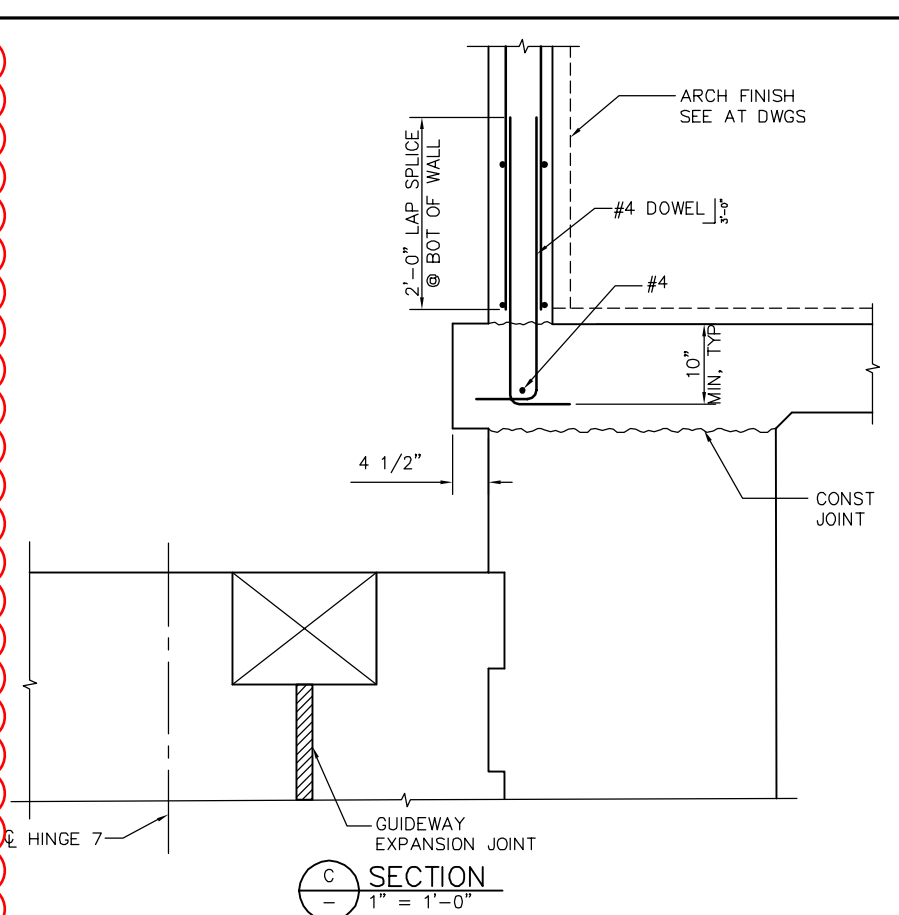
SHEET OF	DRAWING NO. SD591
REVISION	A



A SECTION
1/2" = 1'-0"

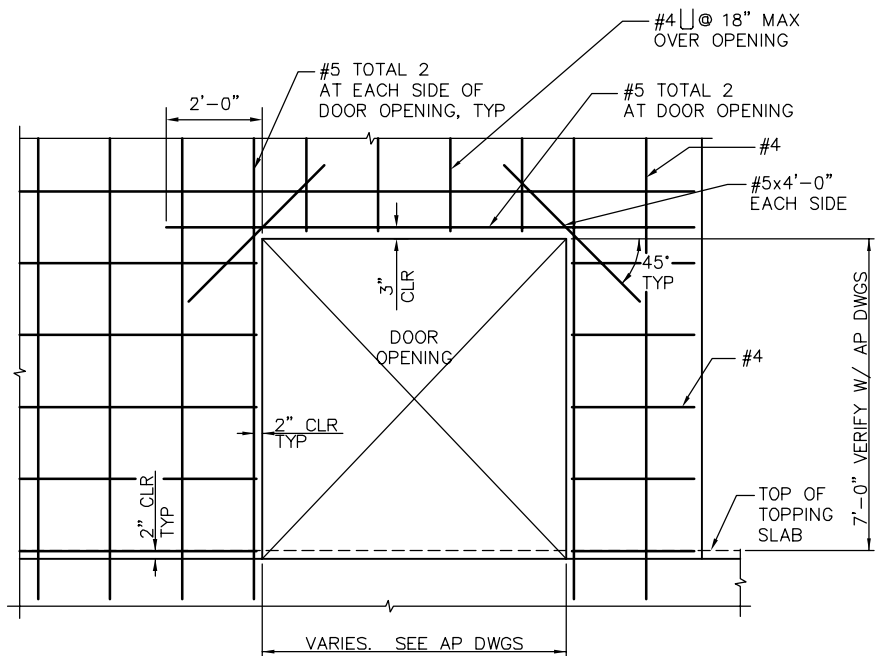


B SECTION
1" = 1'-0"

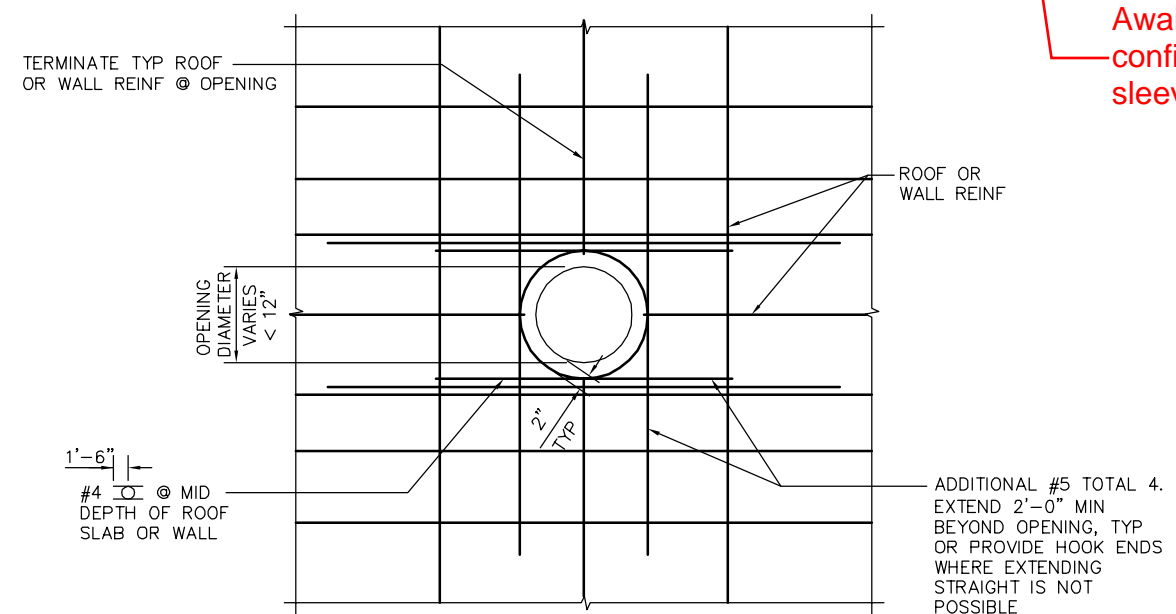


C SECTION
1" = 1'-0"

Awaiting final configuration of pipe sleeves thru floor slab.



1 DOOR OPENING ELEVATION
1/2" = 1'-0"

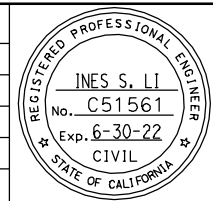


2 ROOF AND WALL OPENING DETAIL
1" = 1'-0"

SMH Jun 21, 2020 - 8:18am W:\2017\103\STORY-STATION-SIGNALS_COMM-HOUSE\01SD592.dwg

PLAN CHECK SET/NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. CHAN
DRAWN: S. HICKEY

CHECKED: D. DEVLIN
CADD FILENAME: 801SD592.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

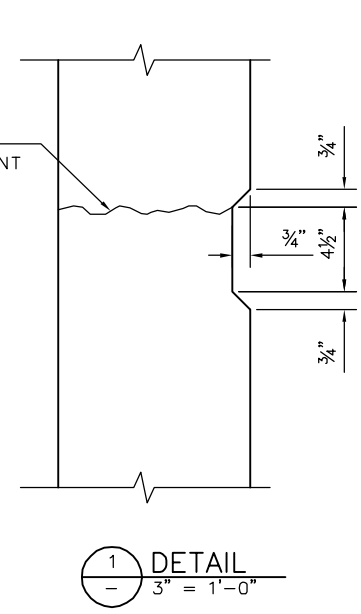
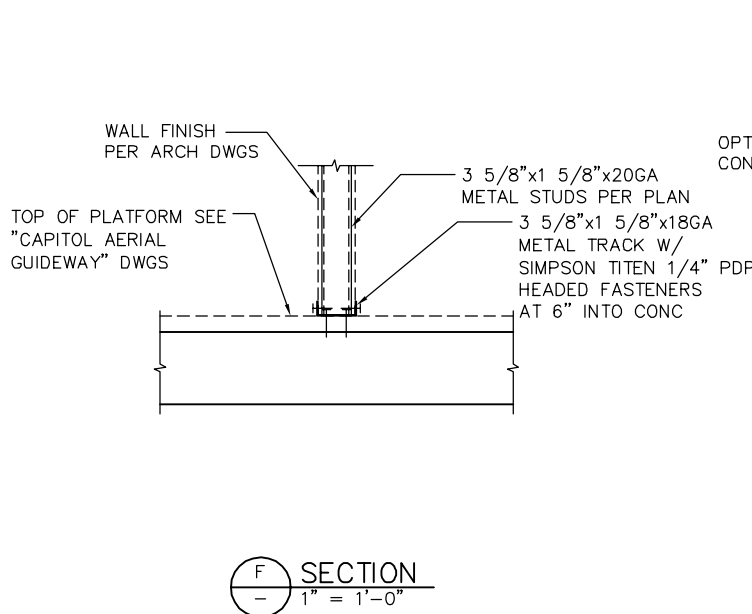
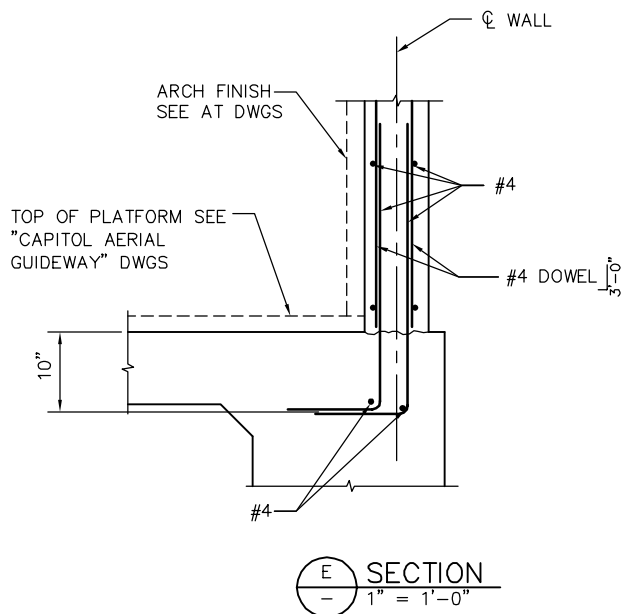
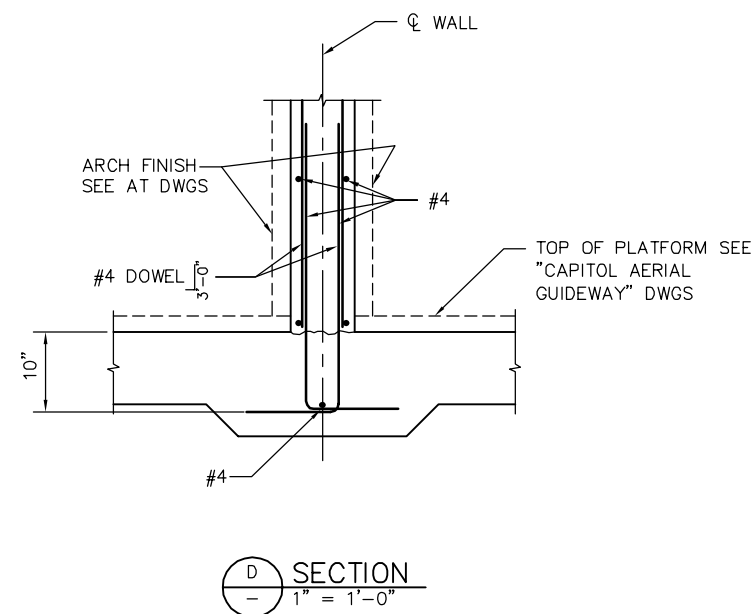
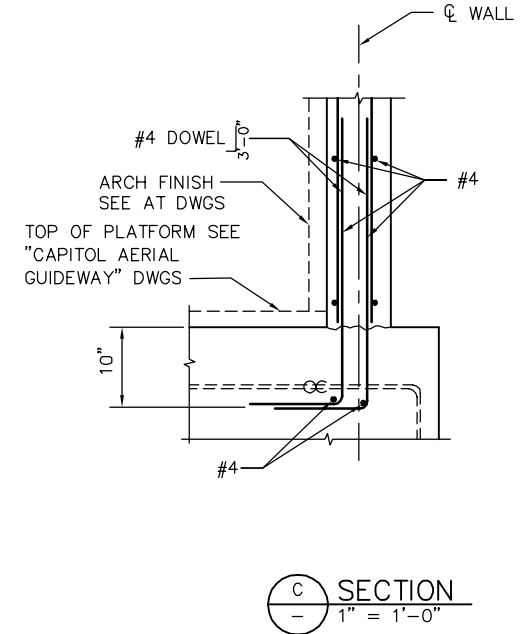
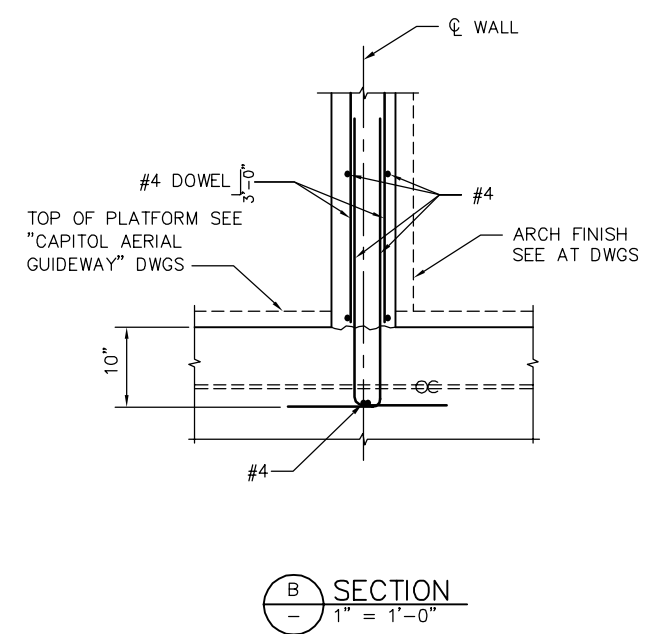
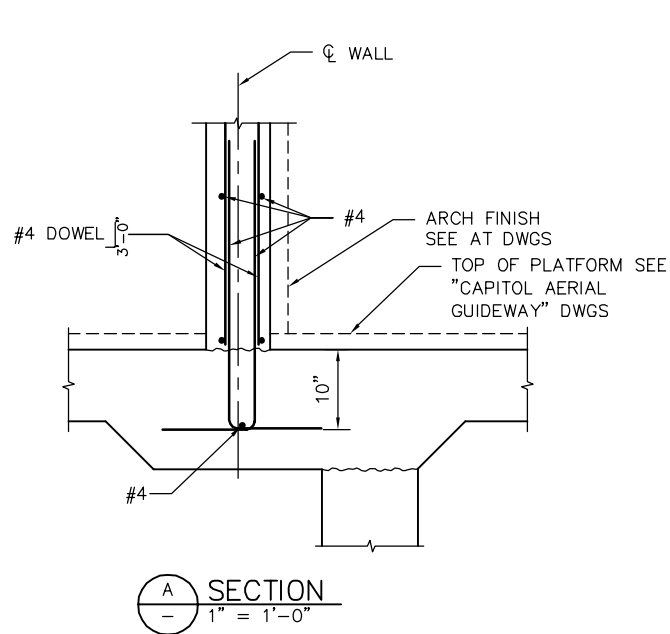
CADD FILE DATE: 05/18/20
SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
STORY STATION SIGNALS/COMM HOUSE
SIGNALS/COMM HOUSE DETAILS No. 2

PCA NO.: 000
CONTRACT NO.: C801
FILE LOCATION: PROJECTWISE

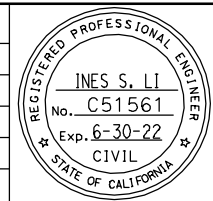
SHEET OF	SD592
DRAWING NO.	SD592
REVISION	A



SMH Jun 21, 2020 - 8:18am W:\2017\2017103\STORY-STATION-SIGNALS_COMM-HOUSE\801SD593.dwg

PLAN CHECK SET/NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. CHAN
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SD593.dwg



APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

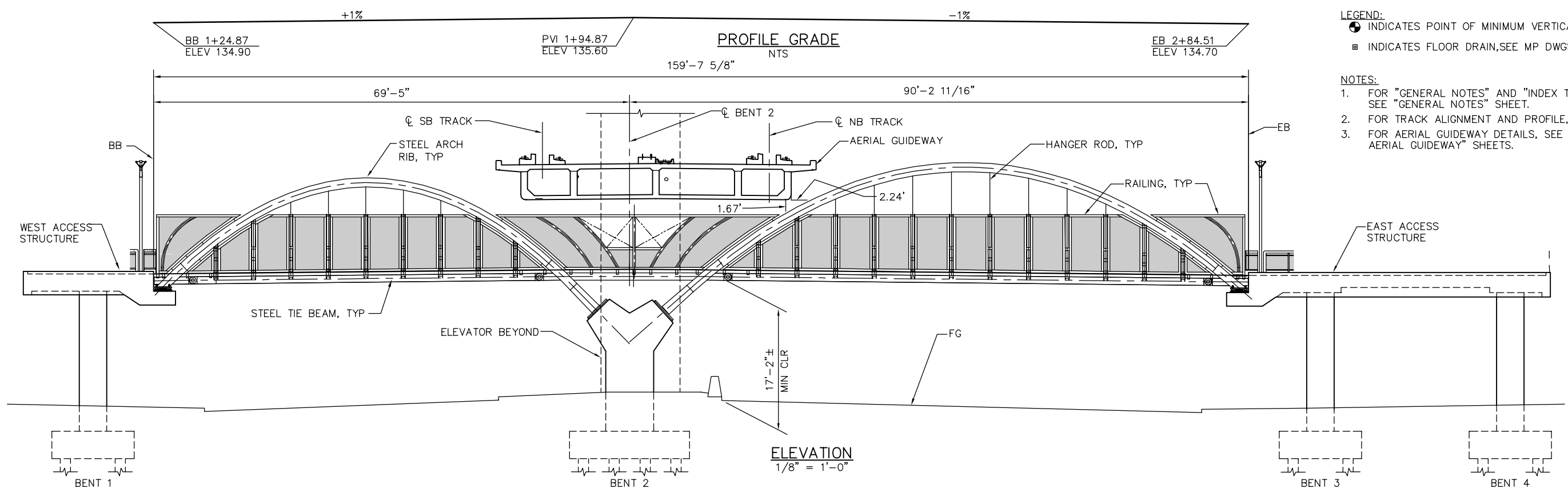
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 SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
 BOARD APPROVAL DATE:

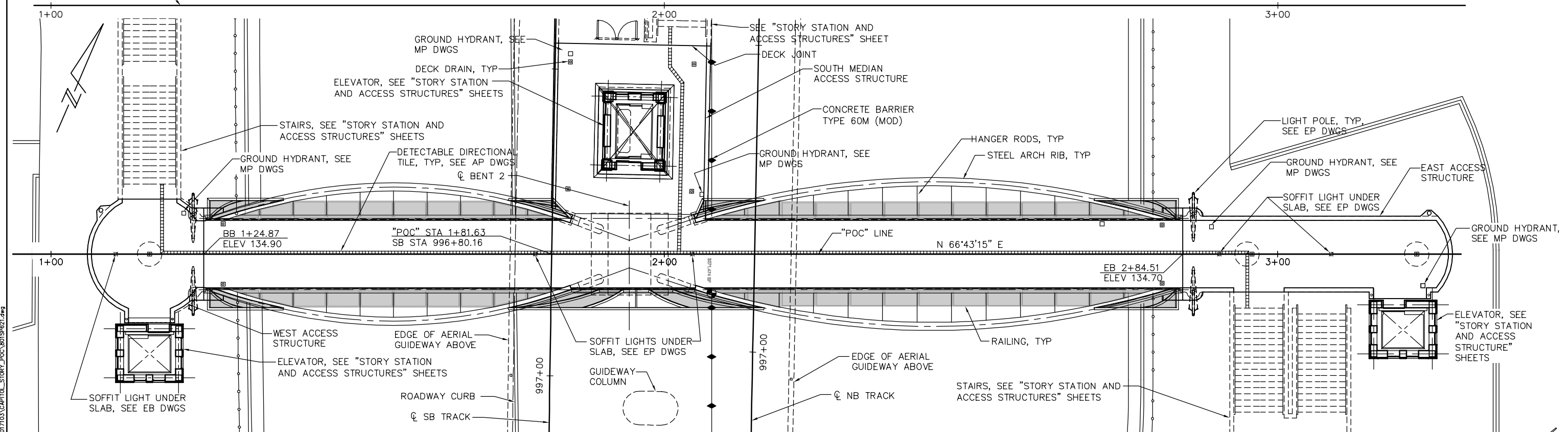
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 STORY STATION SIGNALS/COMM HOUSE
 SIGNALS/COMM HOUSE DETAILS No. 3

PCA NO.: 000
 CONTRACT NO.: C801
 FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SD593
REVISION	A



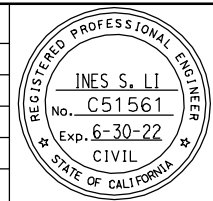
- LEGEND:**
- INDICATES POINT OF MINIMUM VERTICAL CLEARANCE
 - INDICATES FLOOR DRAIN, SEE MP DWGS
- NOTES:**
- FOR "GENERAL NOTES" AND "INDEX TO BRIDGE PLANS", SEE "GENERAL NOTES" SHEET.
 - FOR TRACK ALIGNMENT AND PROFILE, SEE TG DWGS.
 - FOR AERIAL GUIDEWAY DETAILS, SEE "CAPITOL AERIAL GUIDEWAY" SHEETS.



PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 23, 2020 - 9:01am W:\2017\2017103\CAPITOL_STORY_POV_801SP621.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS

865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. ROSELLINI CHECKED: D. DEVLIN
DRAWN: S. HICKEY CADD FILENAME: 801SP621.dwg

BCA

Santa Clara Valley Transportation Authority

APPROVED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/23/20 SCALE: 1/8" = 1'-0"
SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STORY STATION POC
GENERAL PLAN

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: PROJECTWISE

SHEET OF: SP621
REVISION: C

**GENERAL NOTES
LOAD FACTOR DESIGN**

DESIGN: CAPITOL EXPRESSWAY LIGHT RAIL PROJECT – STRUCTURAL DESIGN BASIS
MEMORANDUM PREPARED BY BIGGS CARDOSA ASSOCIATES, INC
REVISION No.7 DATED MARCH 31, 2020.

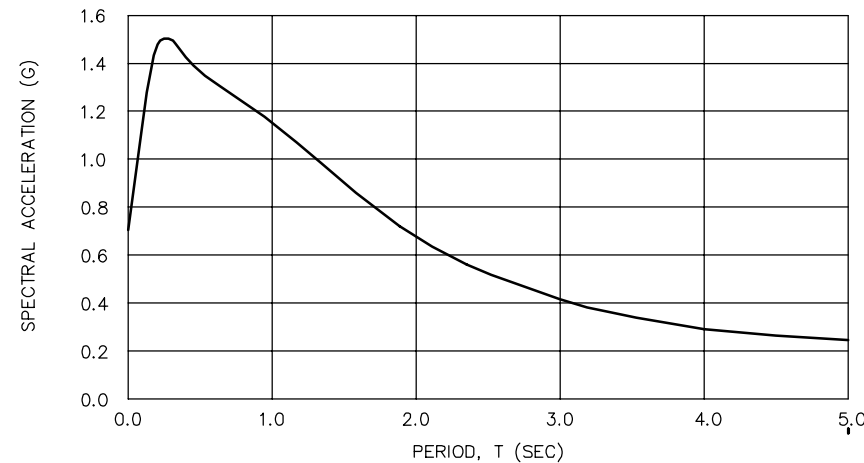
SEISMIC DESIGN: CALTRANS SEISMIC DESIGN CRITERIA (SDC) VERSION 1.7
DATED APRIL 2013, SUPPLEMENTED BY THE CALTRANS
SEISMIC DESIGN SPECIFICATIONS FOR STEEL BRIDGES,
SECOND EDITION.

DEAD LOAD: SELF WEIGHT OF STRUCTURAL STEEL MEMBERS
55 psf METAL DECK + CONCRETE SLAB
5 psf MECHANICAL/ELECTRICAL/PLUMBING

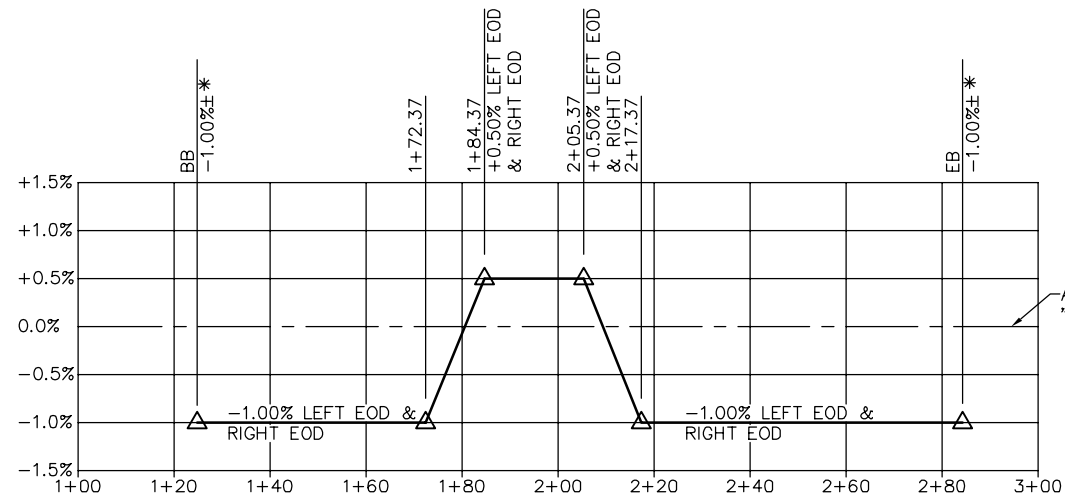
LIVE LOAD: 100 psf PEDESTRIAN LOAD

WIND LOAD: 42 psf HORIZONTAL
20 psf VERTICAL

SEISMIC LOAD: SOIL PROFILE: $V_{s30} = 720$ ft/sec
MOMENT MAGNITUDE: 6.9
PEAK GROUND ACCELERATION: 0.682g



ARS DESIGN CURVE
NTS



* CONFORM TO ACCESS
STRUCTURE

SUPERELEVATION DIAGRAM
NTS

CONCRETE: $f_y = 60$ ksi
 $f'_c = 3.6$ ksi (EXCEPT AS SHOWN ON "CONCRETE STRENGTH
& TYPE LIMITS" DIAGRAM)
 $n = 8$

STRUCTURAL STEEL: PLATES AND BARS: $F_y = 50$ ksi
ASTM A709, GRADE 50
WIDE FLANGES: $F_y = 50$ ksi
ASTM A709, GRADE 50S
HOLLOW STRUCTURAL SECTIONS (HSS), ROUND: ASTM A1085
HOLLOW STRUCTURAL SECTIONS (HSS),
RECTANGULAR AND SQUARE: ASTM A1085
HANGER RODS: $F_y = 36$ ksi
ASTM A709, GRADE 36
STUD CONNECTORS: ASTM A108
ANCHOR BOLTS: ASTM F3125, GRADE A325, TYPE 1
HS BOLTS: ASTM F1554, GRADE 36
ASTM F3125, GRADE A490, TYPE 1
HS ANCHOR BOLTS: ASTM F1554, GRADE 55
CLEVISES: AISI C-1035
PINS: ASTM A668, CLASS F OR G, OR ASTM A709,
GRADE 50
METAL DECK: ASTM A653, DESIGNATION SS, GRADE 50 TO 80
 $F_y = 50$ ksi
SEE "DECK FRAMING DETAILS No. 4" SHEET
FOR ADDITIONAL METAL DECK PROPERTIES

ANY ATTACHMENT WELDED TO A FCM MEMBER OR FCM COMPONENT OF A MEMBER MUST MEET ALL REQUIREMENTS OF THE FCP (INCLUDING WELDING OF THE ATTACHMENT) WHEN ANY DIMENSION OF THE ATTACHMENT EXCEEDS 4 INCHES IN THE DIRECTION PARALLEL TO THE LONGITUDINAL AXIS OF THE MEMBER.

ALL WELDS TO FCM MUST BE CONSIDERED FRACTURE CRITICAL AND MUST CONFORM TO THE REQUIREMENTS OF THE FCP. WELDS TO COMPRESSION MEMBERS OR COMPRESSION AREAS OF BENDING MEMBERS MUST NOT BE DEFINED AS FRACTURE CRITICAL.

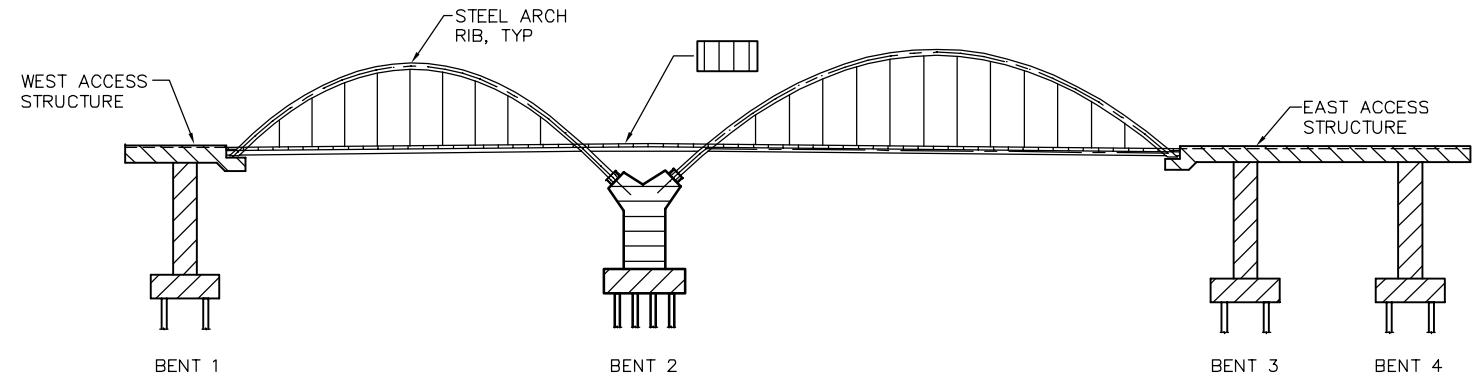
ALL MEMBERS NOT DESIGNATED AS EITHER FRACTURE CRITICAL MEMBERS OR MAIN MEMBERS ARE SECONDARY MEMBERS.

PILES: SEE "PILE DETAILS" SHEET

ABBREVIATIONS:
CSP CORRUGATED STEEL PIPE
EFF EFFECTIVE
EOD EDGE OF DECK
FCM FRACTURE CRITICAL MEMBER
HS HIGH STRENGTH
STIFF STIFFENER
WF WIDE FLANGE
WWF WELDED WIRE FABRIC

LEGEND:

(B7-10) INDICATES CALTRANS STANDARD PLAN SHEET No.
(11-1) INDICATES DETAIL No.
SEE SA310 THRU SA321 DWGS FOR CALTRANS STANDARD PLANS
(A) INDICATES SECTION No.
SR101 INDICATES DRAWING No. SHOWN ON
(1) INDICATES DETAIL No.
SP103 INDICATES DRAWING No. SHOWN ON
(C) INDICATES MAIN COMPRESSION MEMBER
(T) INDICATES MAIN TENSION MEMBER
(FCM) INDICATES FRACTURE CRITICAL MEMBER



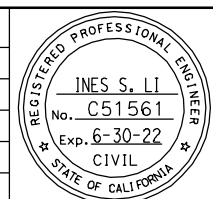
STRUCTURAL CONCRETE (PEDESTRIAN OVERCROSSING),
(POLYMER FIBER) ($f'_c = 4.0$ ksi)
LIGHTWEIGHT CONCRETE (PEDESTRIAN OVERCROSSING),
(POLYMER FIBER) ($f'_c = 5.0$ ksi)
SEE "PILE DETAILS" SHEET
STRUCTURAL CONCRETE (PEDESTRIAN OVERCROSSING)
($f'_c = 3.6$ ksi)
STRUCTURAL CONCRETE (PEDESTRIAN OVERCROSSING),
($f'_c = 4.0$ ksi)

CONCRETE STRENGTH AND TYPE LIMITS
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 23, 2020 - 9:01am \\s\2017\2017103\CAPITOL_STORY_POC\801SP622.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. ROSELLINI
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SP622

**Santa Clara Valley
Transportation
Authority**

APPROVED

CADD FILE DATE: 06/23/20
SCALE: NTS
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

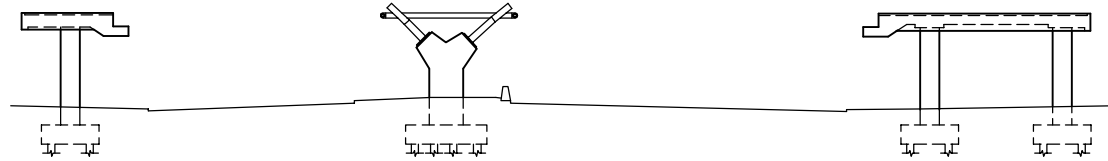
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
STORY STATION POC
GENERAL NOTES

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SP622
REVISION	B

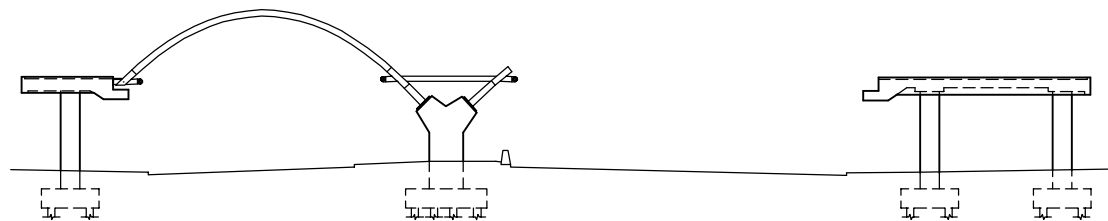
GENERAL STAGING NOTES:

1. THE ITEMS OF WORK SHOWN INDICATE GENERAL SEQUENCE OF THE STORY STATION PEDESTRIAN OVERCROSSING TIED ARCH STRUCTURE AND SOUTH MEDIAN ACCESS STRUCTURE PLATFORM WORK AND DO NOT NECESSARILY INDICATE ALL WORK REQUIRED.
2. THE CONTRACTOR MUST PREPARE A CONSTRUCTION SEQUENCE PLAN INCLUDING THE COMPLETE CONSTRUCTION SEQUENCE, EQUIPMENT, MEANS AND METHODS REQUIRED FOR CONSTRUCTION OF THE POC. NO WORK WILL BE DONE PRIOR TO THE APPROVAL OF THE CONSTRUCTION SEQUENCE PLAN BY THE ENGINEER.
3. THE EXTENT OF CONSTRUCTION FOR EACH PHASE MUST NOT EXCEED THE TRAFFIC CONTROL AND DETOUR REQUIREMENTS OF THE PROJECT.
4. THE FINAL STRUCTURE MUST CONFORM TO THE LINES, GRADES AND DESIGN DIMENSIONS SHOWN ON THE PLANS.
5. THE CONTRACTOR MAY PROPOSE ALTERNATIVE CONSTRUCTION SEQUENCING FOR REVIEW AND APPROVAL BY THE ENGINEER. IF THE CONTRACTOR'S PROPOSED CONSTRUCTION SEQUENCE PLAN DEVIATES SUBSTANTIALLY FROM THAT SHOWN, ADDITIONAL ANALYSIS MAY BE REQUIRED BY THE VTA (AT THE CONTRACTOR'S EXPENSE) TO ENSURE THAT THE STRESSES AND DEFORMATIONS CAUSED BY THE PROPOSED CONSTRUCTION SEQUENCE ARE WITHIN ACCEPTABLE DESIGN PARAMETERS AND WILL NOT IMPACT THE PERMANENT LOAD CARRYING CAPACITY AND STABILITY OF THE COMPLETED STRUCTURE. APPROVAL OF THE PROPOSED ALTERNATE CONSTRUCTION SEQUENCE IS AT THE SOLE DISCRETION OF THE ENGINEER AND NON-APPROVAL WILL NOT BE A BASIS FOR A CHANGE ORDER OR CLAIM.
6. THE CONTRACTOR WILL BE RESPONSIBLE FOR ENSURING THAT PROPER SUPPORT AND STABILITY ARE MAINTAINED FOR THE STRUCTURE AT ALL STAGES OF CONSTRUCTION, AND WILL SUBMIT TEMPORARY SUPPORT, BRACING, FALSEWORK DESIGN AND OTHER WORKING DRAWINGS WITH SUPPORTING CALCULATIONS FOR ACCEPTANCE BY THE ENGINEER. TEMPORARY FALSEWORK SUPPORTS SHOWN ARE ILLUSTRATIVE ONLY AND DO NOT NECESSARILY INDICATE LOCATIONS OF NECESSARY SUPPORT.
7. ALL PLANS, WORKING DRAWINGS AND CALCULATIONS SUBMITTED BY THE CONTRACTOR MUST BEAR THE SEAL OF A PROFESSIONAL CIVIL ENGINEER REGISTERED IN THE STATE OF CALIFORNIA.



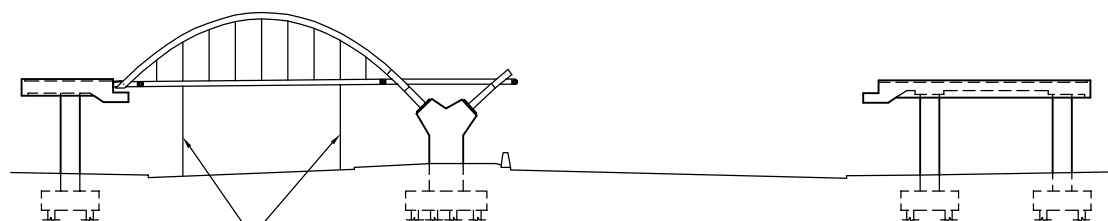
- 1A. ERECT CENTER ASSEMBLY AT BENT 2.
- 1B. TIGHTEN ANCHORS AT BENT 2.

STAGE 1
NTS



- 2A. FABRICATE AND DELIVER WEST SPAN ARCH RIB ASSEMBLIES TO STAGING AREA.
- 2B. ASSEMBLE AND PREP WEST SPAN ARCH RIB ASSEMBLIES IN STAGING AREA. WELD FLOOR BEAMS AT WEST END.
- 2C. INSTALL TEMPORARY BRACING TO STABILIZE ARCH RIBS FOR ERECTION.
- 2D. DURING CLOSURE OF SOUTHBOUND CAPITOL EXPRESSWAY, ERECT ARCH RIBS. SECURE ARCH RIBS TO HINGE AT WEST END. FIELD WELD ARCH RIBS TO CENTER ASSEMBLY AT BENT 2.

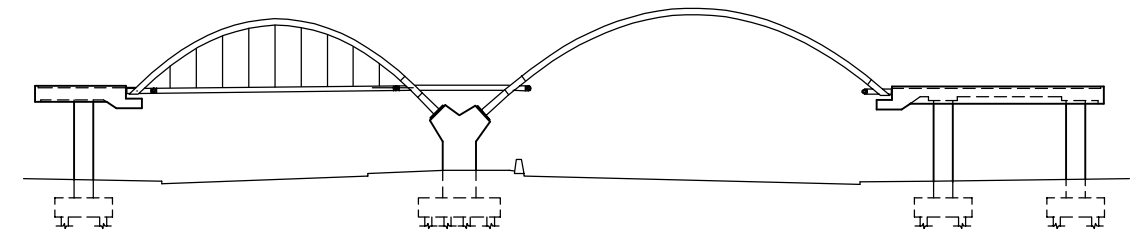
STAGE 2
NTS



TEMPORARY FALSEWORK SUPPORT, TYP

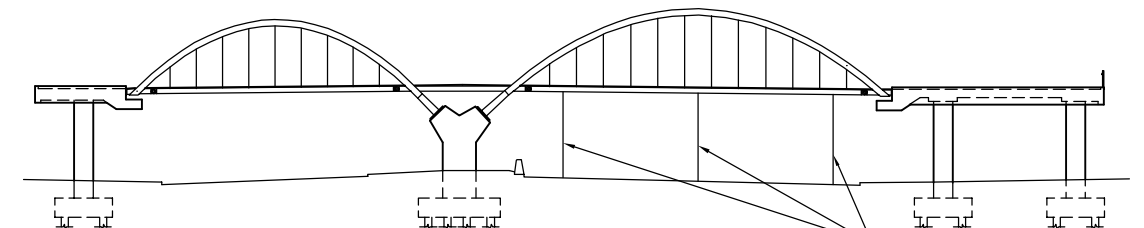
- 3A. FABRICATE AND DELIVER WEST SPAN TIE BEAM ASSEMBLY (INCLUDING FLOOR BEAMS AND CROSS BRACES) TO STAGING AREA.
- 3B. ERECT WEST SPAN TIE BEAM ASSEMBLY IN PLACE. PROVIDE TEMPORARY FALSEWORK SUPPORT OF TIE BEAM ASSEMBLY.
- 3C. INSTALL PINS TO CONNECT TIE BEAM ASSEMBLY TO CENTER ASSEMBLY AND WEST SPAN ARCH RIB ASSEMBLY.
- 3D. INSTALL HANGERS.
- 3E. REMOVE TEMPORARY FALSEWORK.

STAGE 3
NTS



- 4A. FABRICATE AND DELIVER EAST SPAN ARCH RIB ASSEMBLIES TO STAGING AREA.
- 4B. ASSEMBLE AND PREP EAST SPAN ARCH RIB ASSEMBLIES IN STAGING AREA. WELD FLOOR BEAMS AT EAST END.
- 4C. INSTALL TEMPORARY BRACING TO STABILIZE ARCH RIBS FOR ERECTION.
- 4D. DURING CLOSURE OF NORTHBOUND CAPITOL EXPRESSWAY, ERECT ARCH RIBS. SECURE ARCH RIBS TO HINGE AT EAST END. FIELD WELD ARCH RIBS TO CENTER ASSEMBLY AT BENT 2.

STAGE 4
NTS



TEMPORARY FALSEWORK SUPPORT, TYP

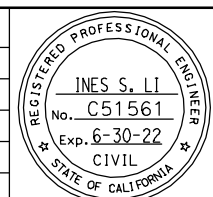
- 5A. FABRICATE AND DELIVER EAST SPAN TIE BEAM ASSEMBLY (INCLUDING FLOOR BEAMS AND CROSS BRACES) TO STAGING AREA.
- 5B. ERECT EAST SPAN TIE BEAM ASSEMBLY IN PLACE. PROVIDE TEMPORARY FALSEWORK SUPPORT OF TIE BEAM ASSEMBLY.
- 5C. INSTALL PINS TO CONNECT TIE BEAM ASSEMBLY TO CENTER ASSEMBLY AND EAST SPAN ARCH RIB ASSEMBLY.
- 5D. INSTALL HANGERS.
- 5E. REMOVE TEMPORARY FALSEWORK.

STAGE 5
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 23, 2020 - 9:01am W:\2017\2017103\CAPITOL_STORY_POC\801SP623.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. ROSELLINI
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SP623.dwg

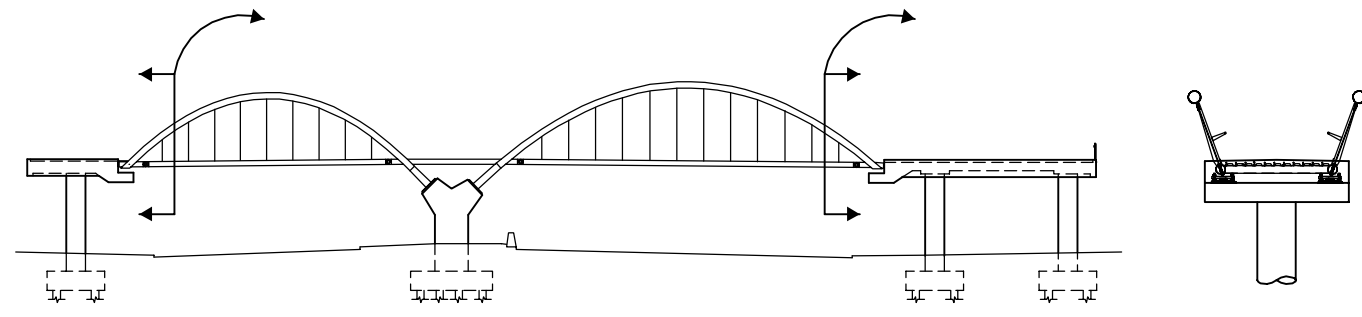
Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE: 06/23/20
SCALE: NTS
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

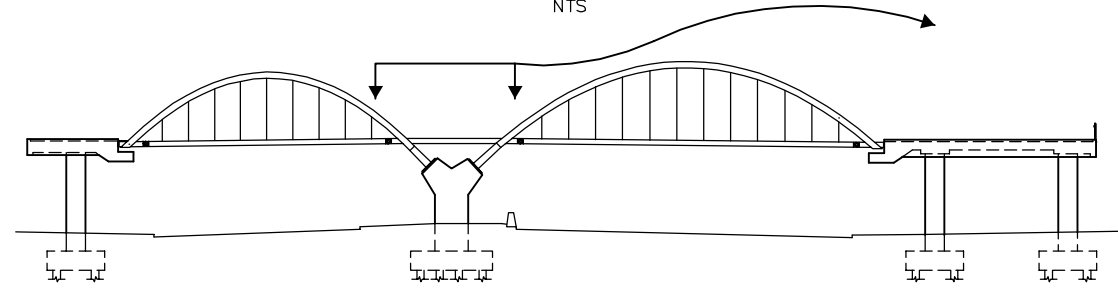
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION POC STAGING SEQUENCE NO. 1			SHEET OF DRAWING NO. SP623 REVISION A
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	

NOTE:
1. FOR "GENERAL STAGING NOTES", SEE "STAGING SEQUENCE NO. 1" SHEET.

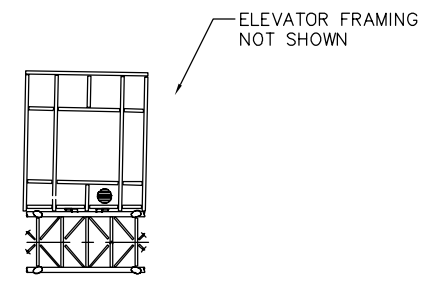


- 6A. ADJUST TIED ARCH AS REQUIRED TO FINAL ALIGNMENT.
- 6B. GROUT AND CURE BEARING ANCHOR BOLTS.
- 6C. ADJUST BEARINGS AS REQUIRED TO FINAL ELEVATION WITH LEVELING NUTS.
- 6D. GROUT AND CURE BEARING MASONRY PLATES.
- 6E. SECURE BEARINGS WITH NUT, JAM NUT, AND THREAD LOCKING SYSTEM.
- 6F. INSTALL CLOSURES IN METAL DECKING AT SPLICE LOCATIONS.
- 6G. CONSTRUCT CAST-IN-PLACE CONCRETE DECKING.

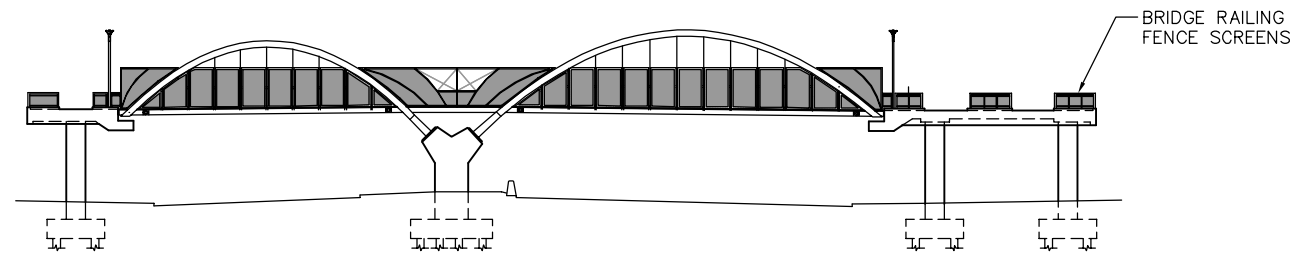
STAGE 6
NTS



- 7A. ERECT FLOOR BEAMS.
- 7B. INSTALL METAL DECKING.
- 7C. CONSTRUCT CAST-IN-PLACE CONCRETE DECKING.
- 7D. INSTALL STEEL SHEAR KEYS AT CONCRETE BEAM OF STORY STATION ACCESS STRUCTURE.



STAGE 7
NTS



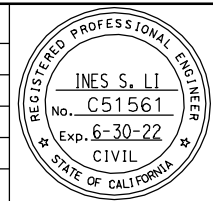
- 8A. INSTALL RAILING POSTS AND FRAMING.
- 8B. INSTALL JOINT SEALS AND JOINT ARMOR.
- 8C. INSTALL BRIDGE RAILING FENCE SCREENS.

STAGE 8
NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 23, 2020 - 9:02am W:\2017\2017103\CAPITOL_STORY_POC\801SP624.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
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408-296-5515

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CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SP624.dwg

Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE: 06/23/20
SCALE: NTS
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
STORY STATION POC
STAGING SEQUENCE NO. 2

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

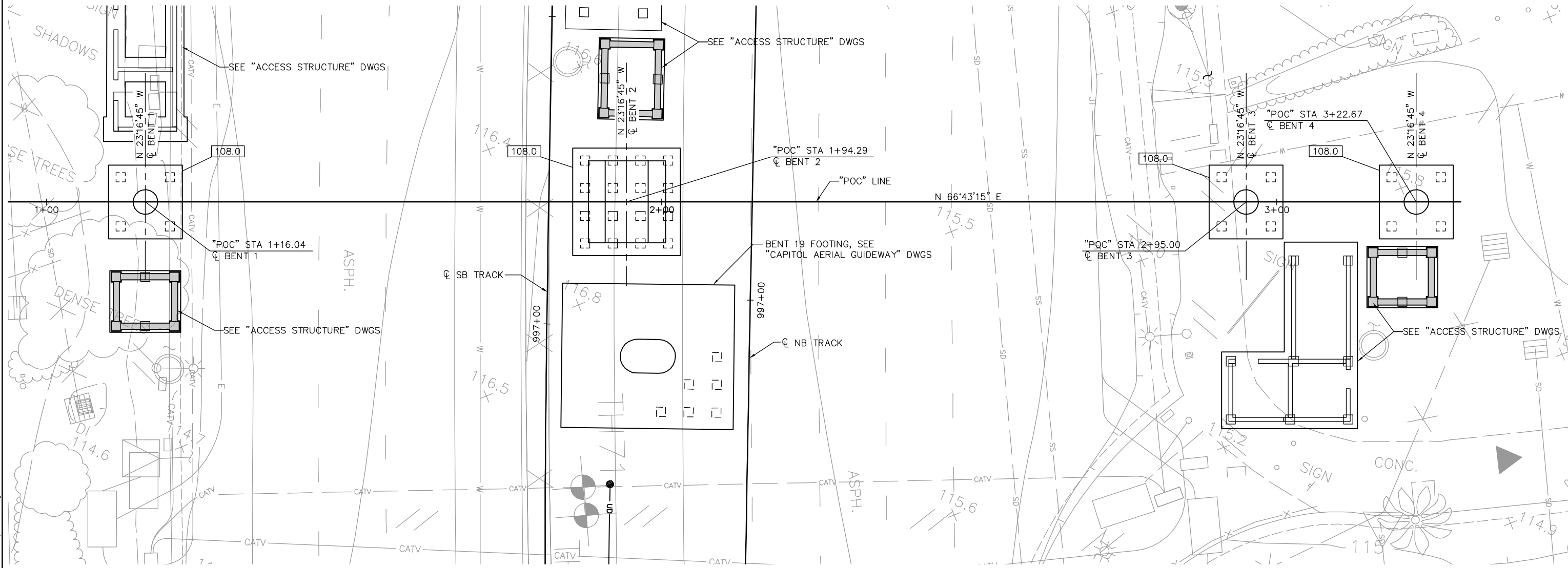
SHEET OF	DRAWING NO. SP624
REVISION	A

LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEV (ft)	SPECIFIED TIP ELEV (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
BENT 1	18" SQUARE PRECAST DRIVEN	440	240	56.0(a); 75.0(b); 99.0(c); 87.0(d)	56.0	470
BENT 2	18" SQUARE PRECAST DRIVEN	470	370	53.0(a); 59.0(b); 93.0(c); 90.0(d)	53.0	490
BENT 3	18" SQUARE PRECAST DRIVEN	480	260	51.0(a); 73.0(b); 99.0(c); 88.0(d)	51.0	500
BENT 4	18" SQUARE PRECAST DRIVEN	420	280	57.0(a); 71.0(b); 99.0(c); 91.0(d)	57.0	460

- FOUNDATION NOTES:**
- THIS PLAN ACCURATE FOR STORY STATION PEDESTRAIN OVERCROSSING FACILITIES ONLY.
 - LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE ONLY, SEE UTILITY PLANS FOR MORE INFORMATION.
 - ABANDONED UTILITIES WITHIN FOOTING LIMITS SHALL BE REMOVED.
 - ☉ FOOTING = ☉ COLUMN, UON.
 - FOR TRACK ALIGNMENT, SEE TG DWGS.
 - NOT ALL PILES SHOWN FOR CLARITY.

- LEGEND:**
- 35.51 INDICATES SPOT ELEVATIONS
 - 105.00 INDICATES BOTTOM OF FOOTING ELEVATION
 - ☐ INDICATES VERTICAL PILES

- NOTES:**
- DESIGN TIP ELEVATION IS CONTROLLED BY THE FOLLOWING DEMANDS: (a) COMPRESSION; (b) TENSION; (c) SETTLEMENT; (d) LATERAL LOADS.
 - LATERAL PILE CAPACITY ANALYSIS IS PERFORMED BY BIGGS CARDOSA ASSOCIATES (STRUCTURAL DESIGNER) THE DESIGN TIP ELEVATION CONTROLLED BY LATERAL LOAD WILL BE PROVIDED BY THE STRUCTURAL DESIGNER AFTER THE 65% SUBMITTAL.
 - FOR 18" SQUARE PRECAST DRIVEN PILE, SEE "PILE DETAILS" SHEET.

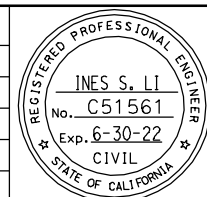


FOUNDATION PLAN
1/8" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

BER

DESIGNED: D. ROSELLINI
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SU621.dwg



BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/23/20
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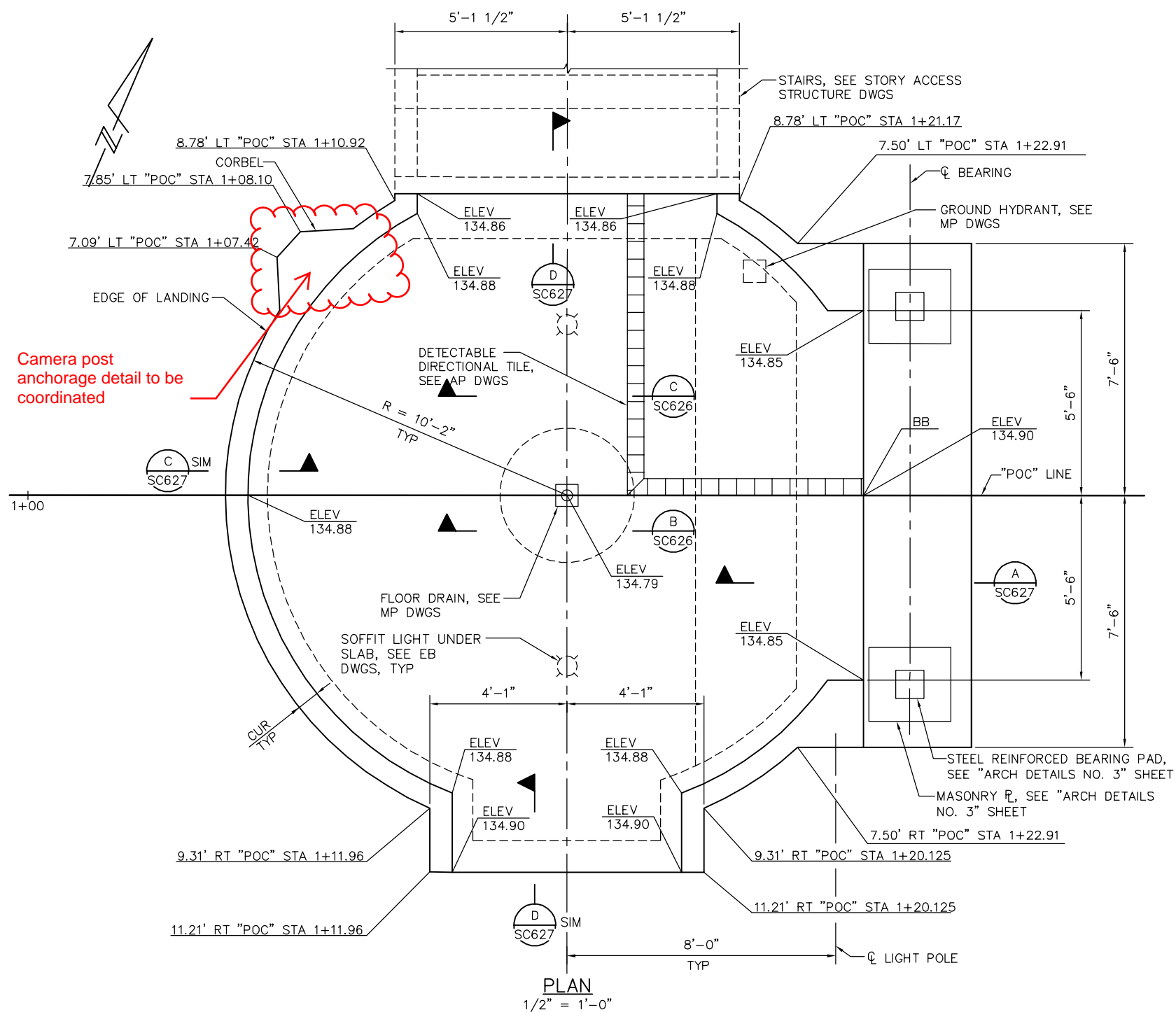
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
STORY STATION POC
FOUNDATION PLAN

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

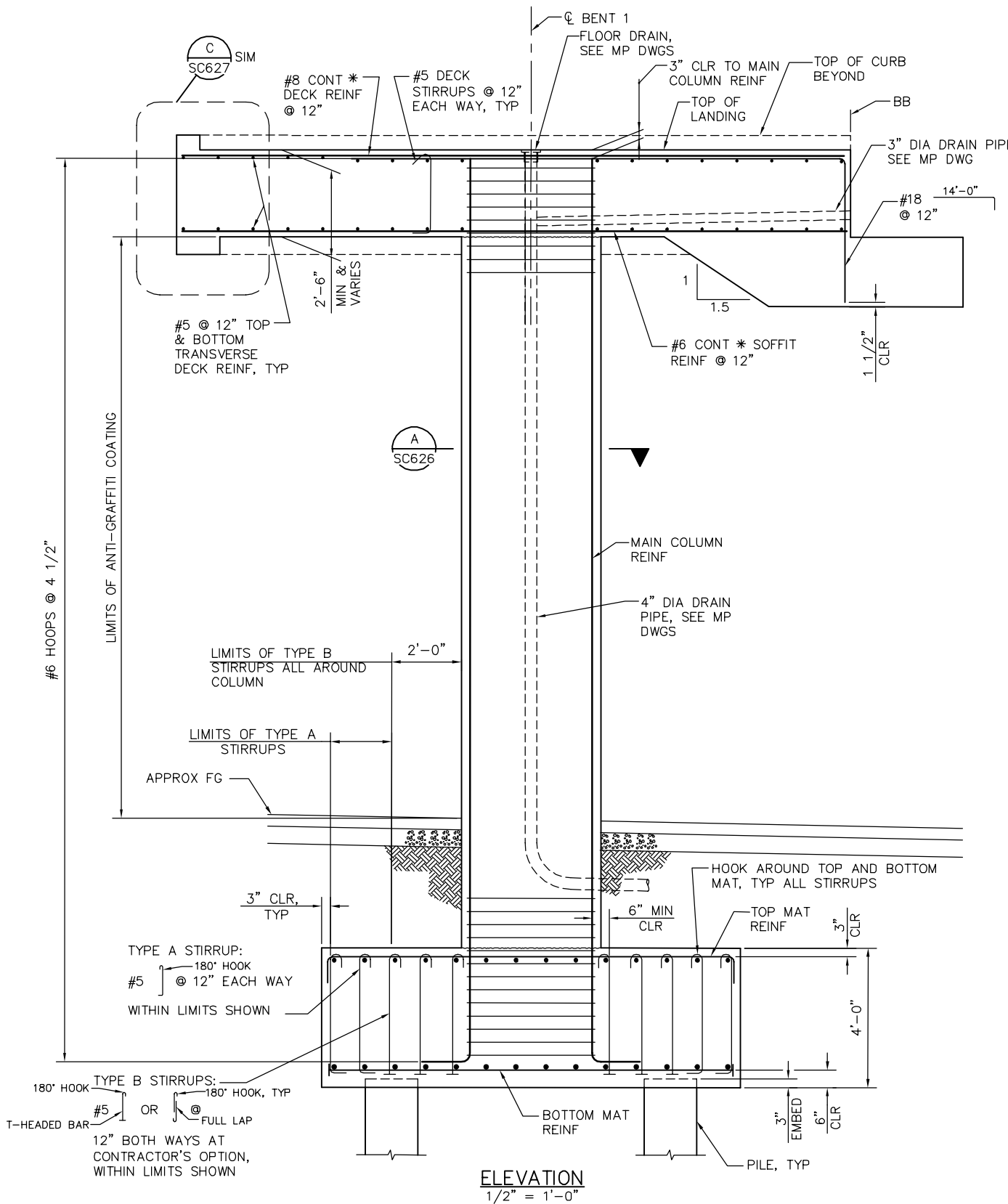
SHEET	OF
DRAWING NO. SU621	REVISION B

NOTES:

1. COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.
2. NO SPLICES PERMITTED IN MAIN COLUMN REINFORCEMENT.
3. CONTRACTOR MUST VERIFY CURB ELEVATIONS PRIOR TO PLACING DRAIN OUTLET AT COLUMN.
4. DECK AND SOFFIT REINF MUST BE PLACED PARALLEL TO "POC" LINE. TOP AND BOTTOM TRANSVERSE REINF MUST BE PLACED NORMAL TO "POC" LINE.
5. CONT REINF IDENTIFIED BY * MUST BE SPICED WITH "SERVICE LEVEL" SPLICES STAGGERED @ 4'-0" MIN.
6. ELEVATIONS SHOWN ARE TOP OF CONCRETE DECK SURFACE ELEVATIONS, UON. ELEVATIONS SHOWN AT FLOOR DRAINS ARE TOP OF FLOOR DRAIN SURFACE ELEVATIONS.
7. FOR "FOOTING PLAN" AND FOOTING REINFORCEMENT DETAILS NOT SHOWN, SEE "BENT DETAILS NO. 1" SHEET.



PLAN
1/2" = 1'-0"

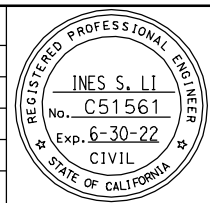


ELEVATION
1/2" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
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Santa Clara Valley Transportation Authority

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/23/20
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SCALE: AS SHOWN
BOARD APPROVAL DATE:

**EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
STORY STATION POC
BENT 1 LAYOUT**

PCA NO.: 000
CONTRACT NO.: C801
FILE LOCATION: PROJECTWISE

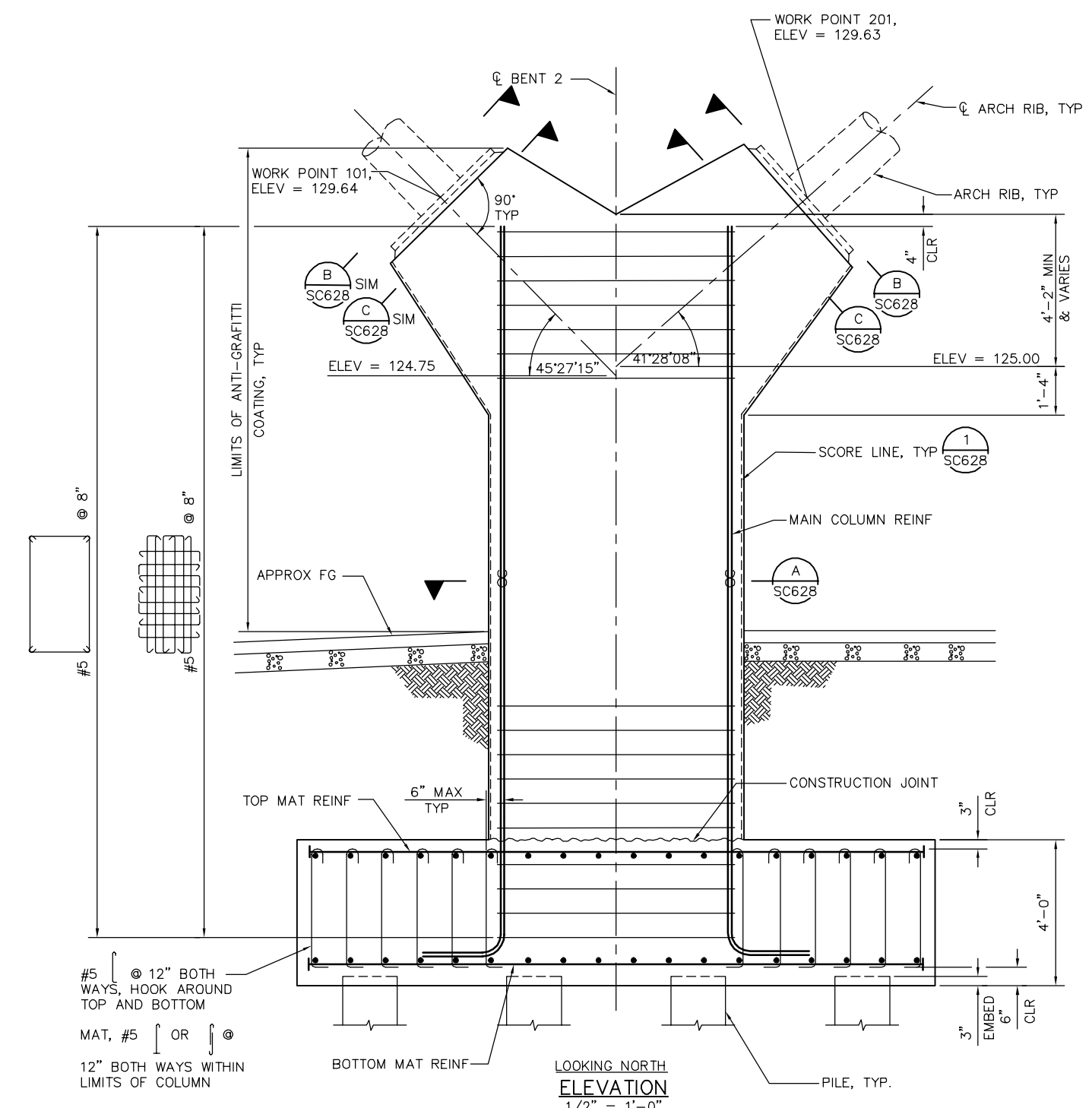
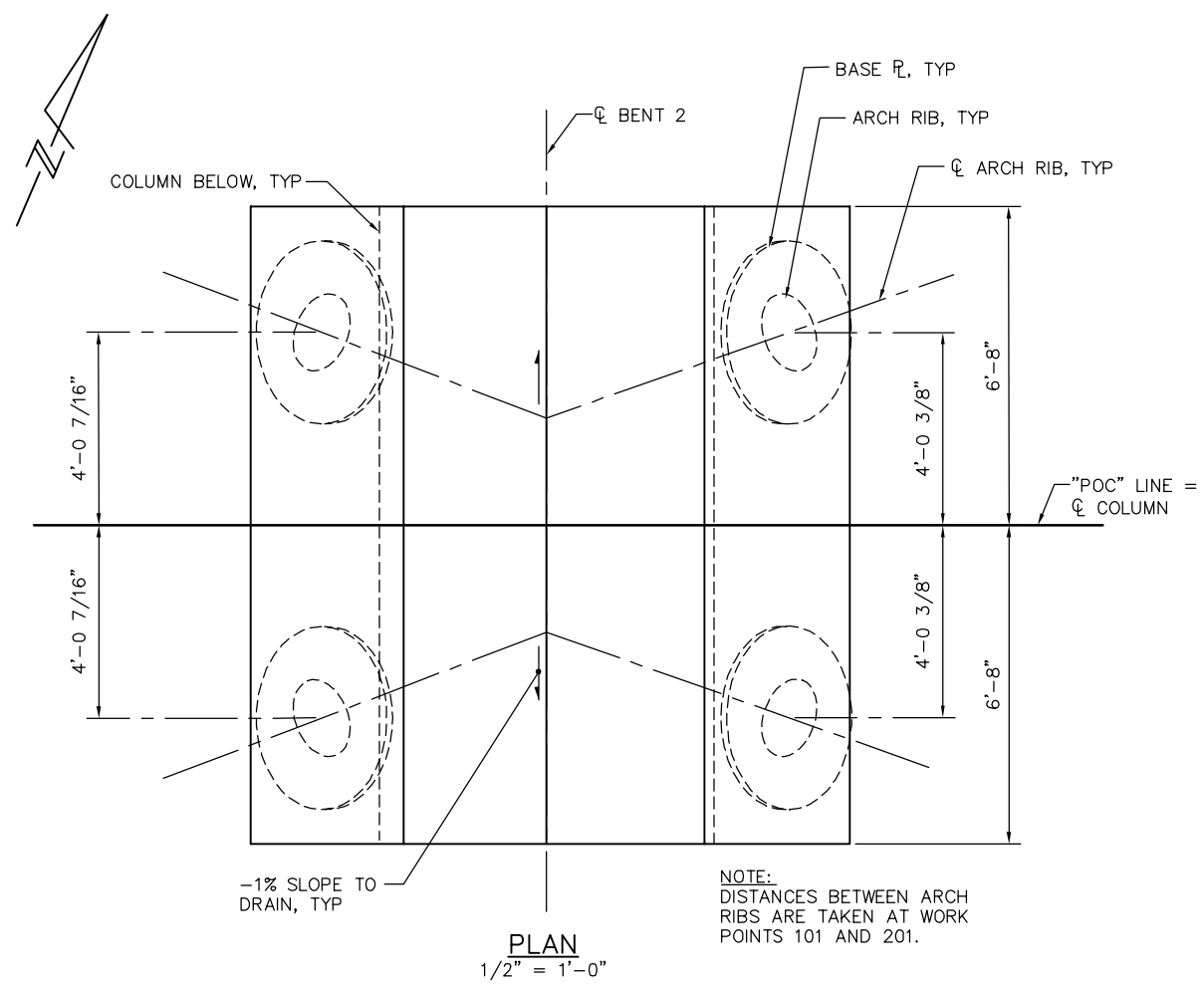
SHEET OF	SC621
DRAWING NO.	SC621
REVISION	A

NOTES:

1. NO SPLICES PERMITTED IN MAIN COLUMN REINFORCEMENT.
2. ANGLES SHOWN ARE PROJECTED IN PLANE OF VIEW.
3. ALL COLUMN REINFORCEMENT NOT SHOWN FOR CLARITY. SEE "BENT DETAILS NO. 5" SHEET FOR ADDITIONAL REINFORCEMENT NOT SHOWN.
4. FOR "FOOTING PLAN" AND FOOTING REINFORCEMENT DETAILS NOT SHOWN, SEE "BENT DETAIL NO. 1" SHEET.
5. FOR ARCH RIB DETAILS, SEE "ARCH LAYOUT" SHEETS.
6. FOR BASE PLATE DETAILS, SEE "ARCH DETAILS NO. 2" SHEET.

LEGEND:

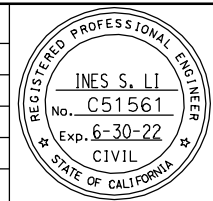
 INDICATES BUNDLED BARS



PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 23, 2020 - 9:05am W:\2017\2017103\CAPITOL_STORY_POC\801SC622.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. ROSELLINI
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SC622.dwg

Santa Clara Valley Transportation Authority

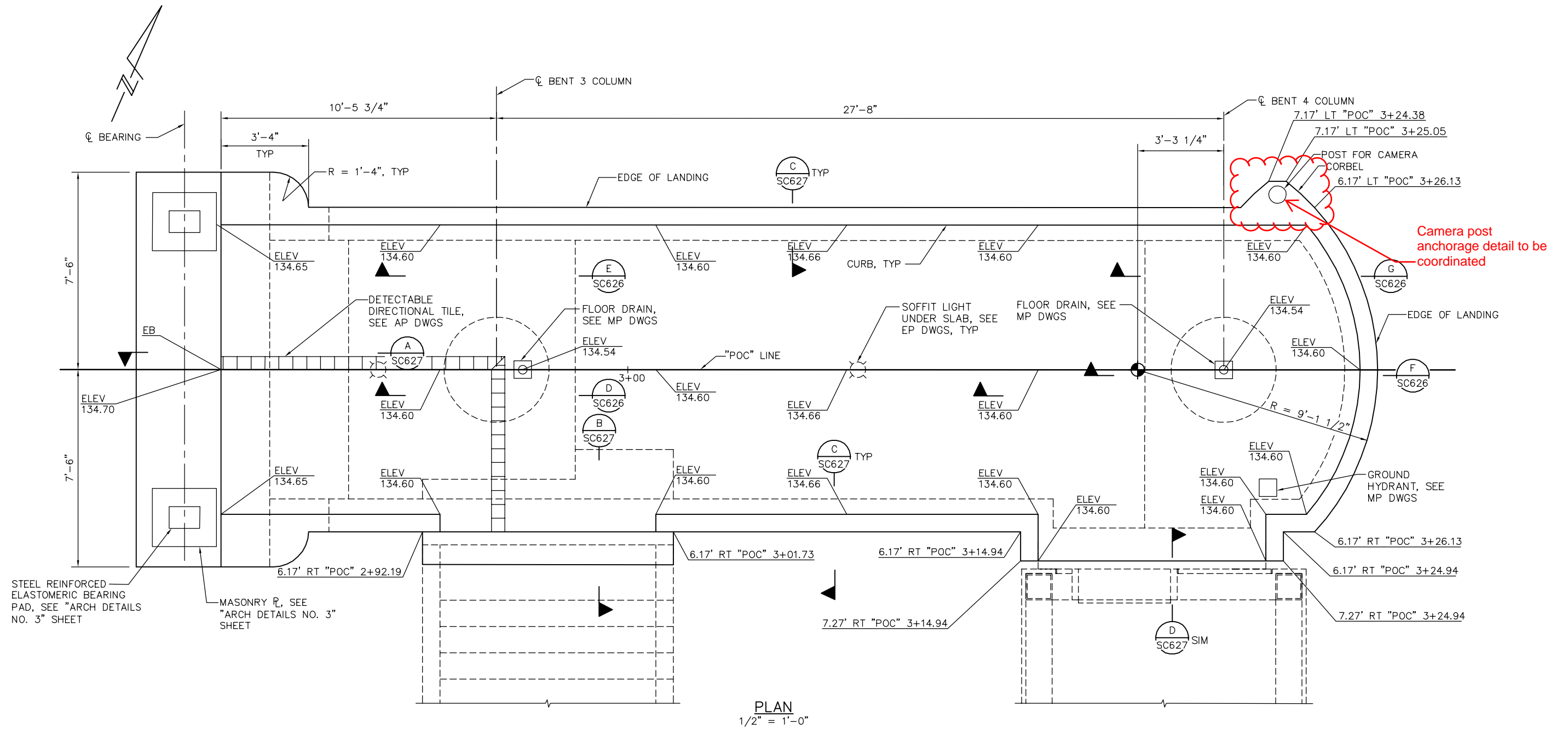
APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS
CADD FILE DATE: 06/23/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
STORY STATION POC
BENT 2 LAYOUT

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SC622
REVISION	A

NOTE:
 ELEVATIONS SHOWN ARE TOP OF CONCRETE DECK SURFACE ELEVATIONS, UON.
 ELEVATIONS SHOWN AT FLOOR DRAINS ARE TOP OF FLOOR DRAIN SURFACE ELEVATIONS.

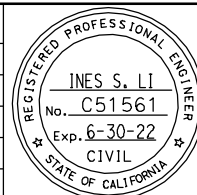


PLAN
 1/2" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
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 865 The Alameda
 San Jose, California 95128
 408-296-5515

DESIGNED: D. ROSELLINI
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SC623.dwg



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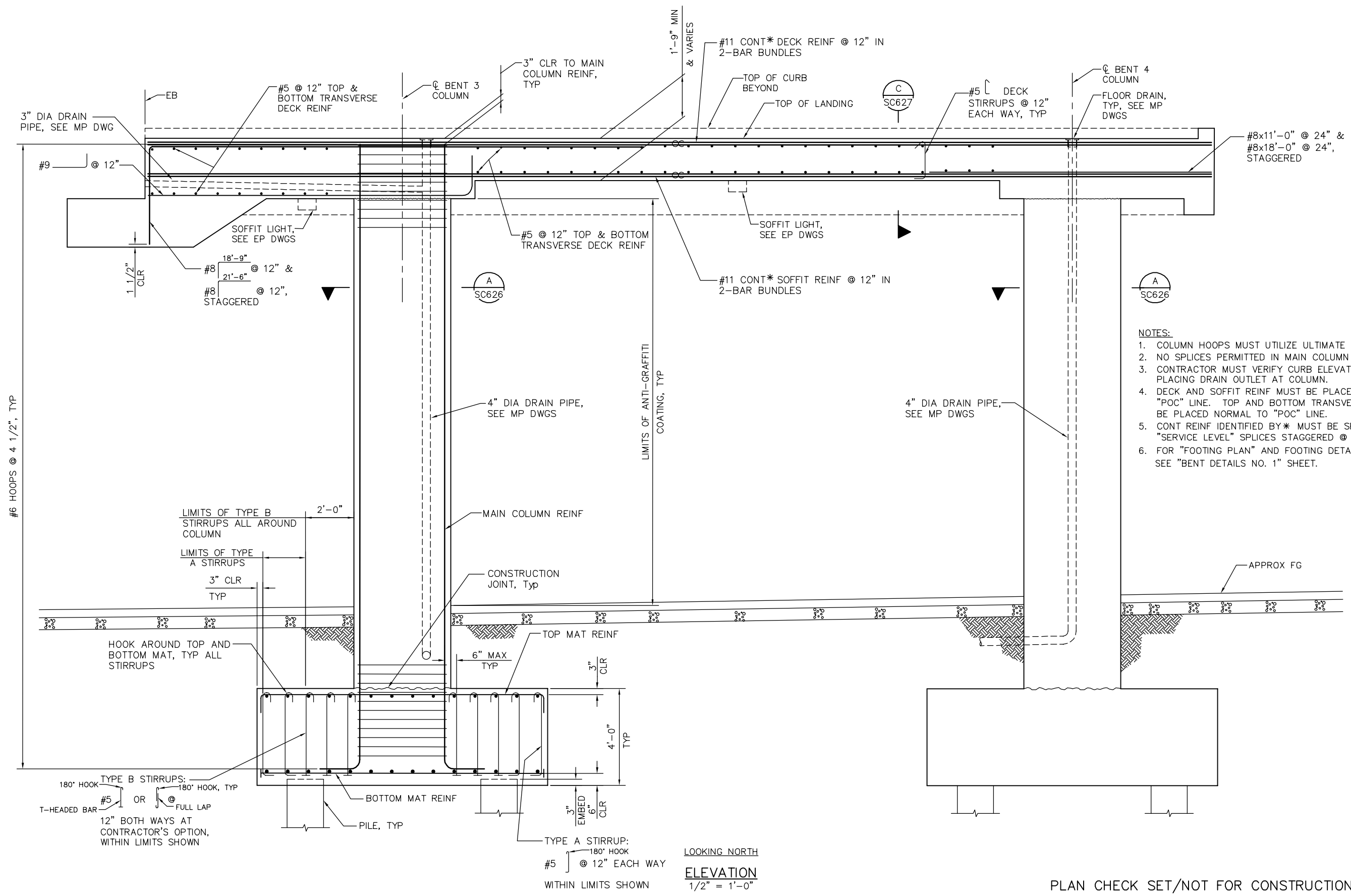
CADD FILE DATE: 06/23/20
 SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 STORY STATION POC
 BENTS 3 & 4 LAYOUT NO. 1

PCA NO.: 000
 CONTRACT NO.: C801
 FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SC623
REVISION	A



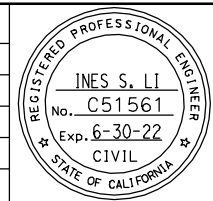
- NOTES:**
1. COLUMN HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.
 2. NO SPLICES PERMITTED IN MAIN COLUMN REINFORCEMENT.
 3. CONTRACTOR MUST VERIFY CURB ELEVATIONS PRIOR TO PLACING DRAIN OUTLET AT COLUMN.
 4. DECK AND SOFFIT REINF MUST BE PLACED PARALLEL TO "POC" LINE. TOP AND BOTTOM TRANSVERSE REINF MUST BE PLACED NORMAL TO "POC" LINE.
 5. CONT REINF IDENTIFIED BY* MUST BE SPLICED WITH "SERVICE LEVEL" SPLICES STAGGERED @ 4'-0" MIN.
 6. FOR "FOOTING PLAN" AND FOOTING DETAILS NOT SHOWN, SEE "BENT DETAILS NO. 1" SHEET.

LOOKING NORTH
ELEVATION
1/2" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
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865 The Alameda
San Jose, California 95128
408-296-5315

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DRAWN: S. HICKEY
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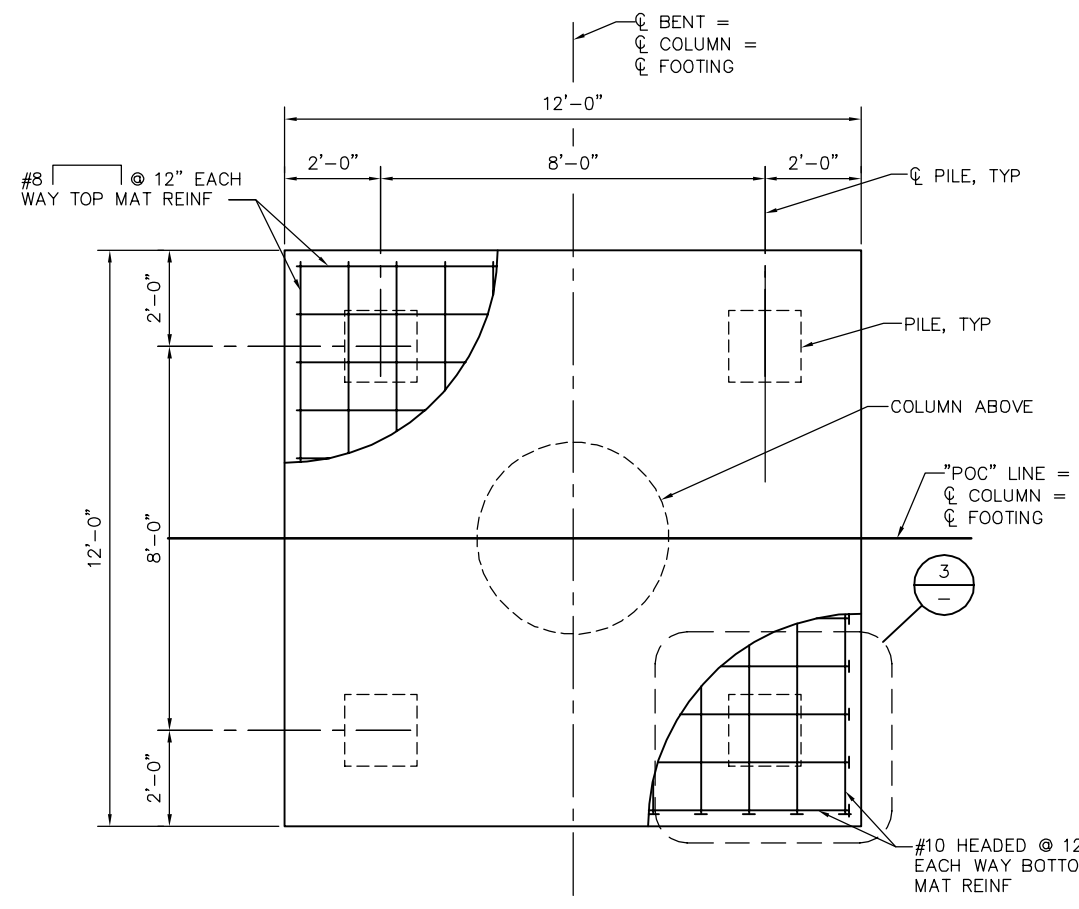
CADD FILE DATE: 06/23/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
STORY STATION POC
BENTS 3 & 4 LAYOUT NO. 2

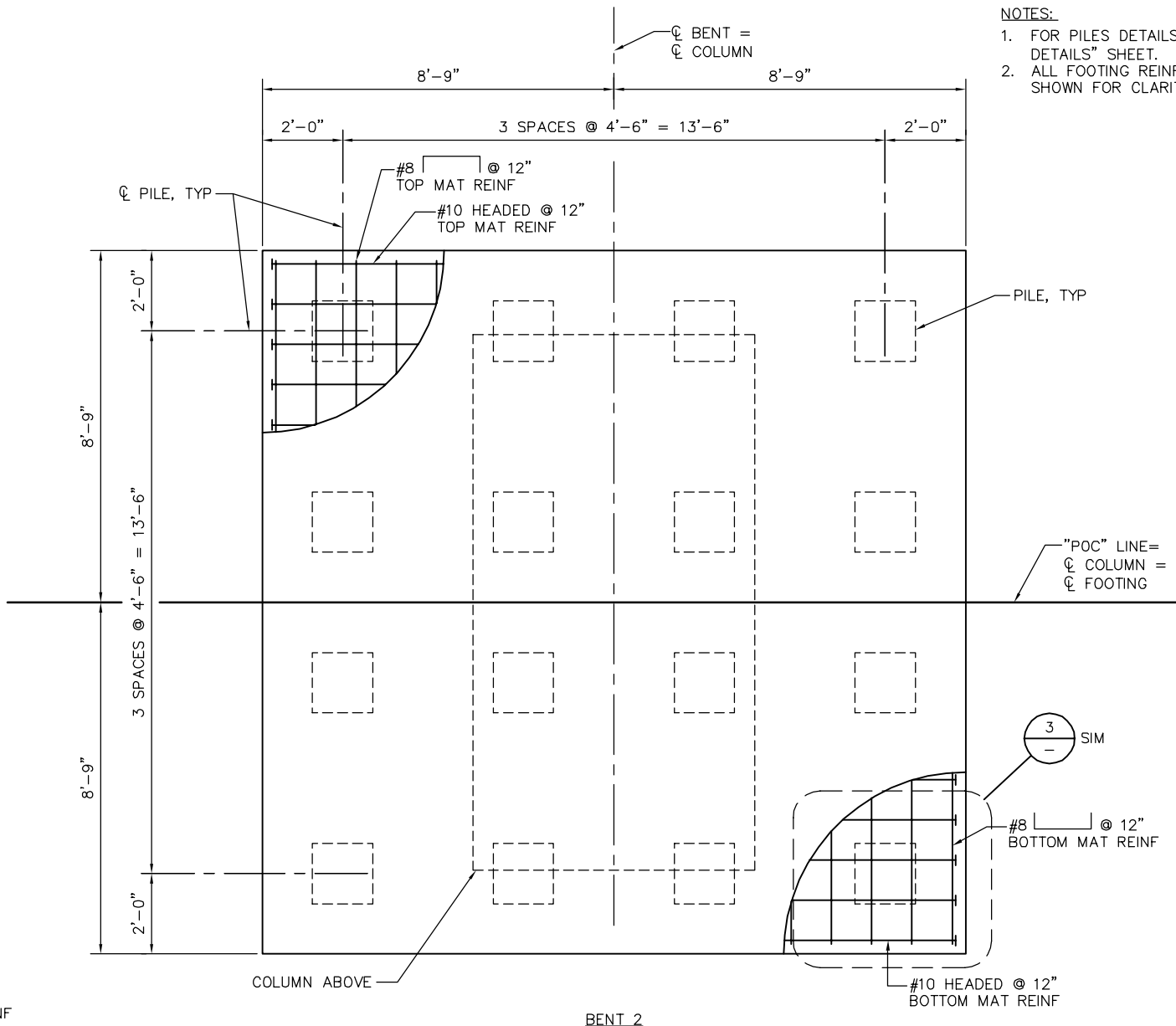
PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SC624
REVISION	A

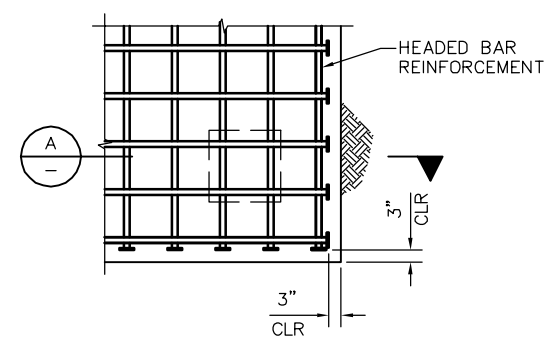
- NOTES:
- FOR PILES DETAILS, SEE "PILE DETAILS" SHEET.
 - ALL FOOTING REINFORCING NOT SHOWN FOR CLARITY.



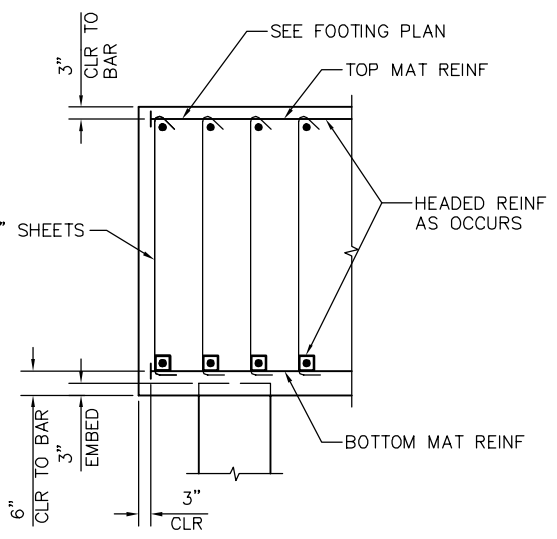
BENT 1, BENT 3, BENT 4
 1 DETAIL — FOOTING PLAN
 1/2" = 1'-0"



BENT 2
 2 DETAIL — FOOTING PLAN
 1/2" = 1'-0"



3 FOOTING CORNER REINFORCEMENT PLAN
 1/2" = 1'-0"

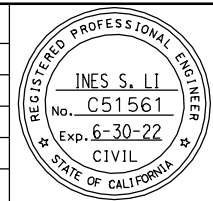


A FOOTING SIDE VIEW
 1/2" = 1'-0"

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



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 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5515

DESIGNED: D. ROSELLINI
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SC625.dwg

Santa Clara Valley Transportation Authority

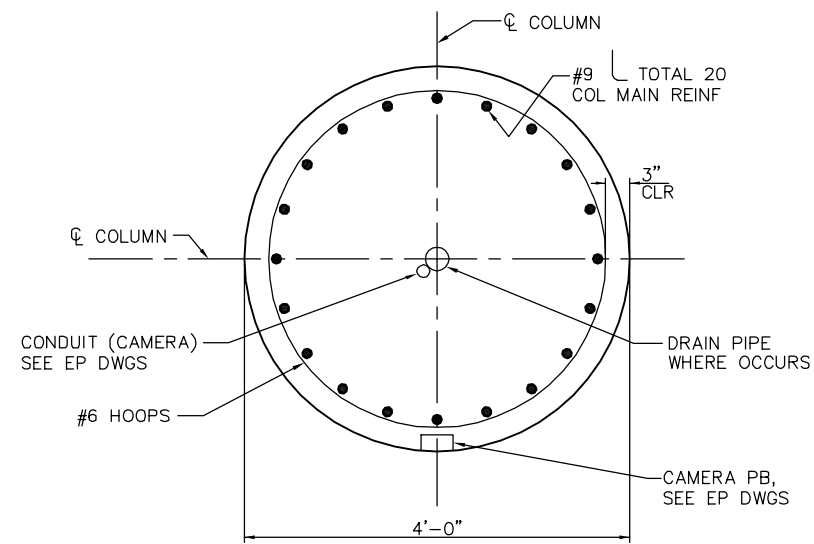
APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/23/20
 SCALE: 1/2" = 1'-0"
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

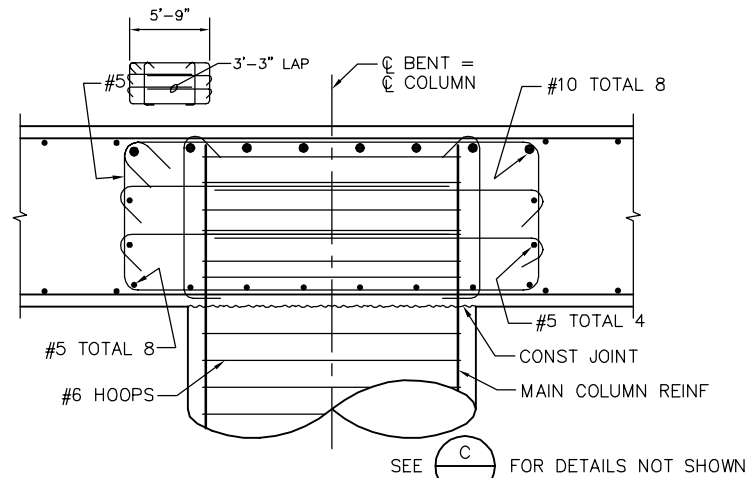
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 STORY STATION POC
 BENT DETAILS NO. 1

PCA NO.: 000
 CONTRACT NO.: C801
 FILE LOCATION: PROJECTWISE

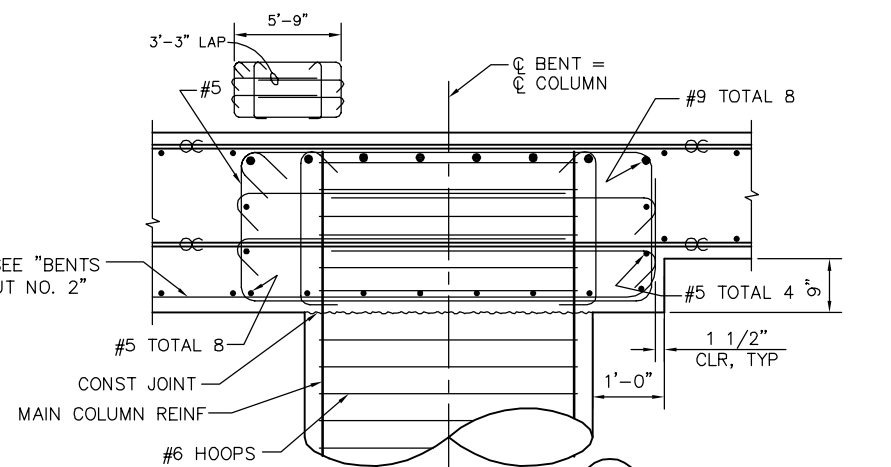
SHEET OF	SC625
DRAWING NO.	SC625
REVISION	A



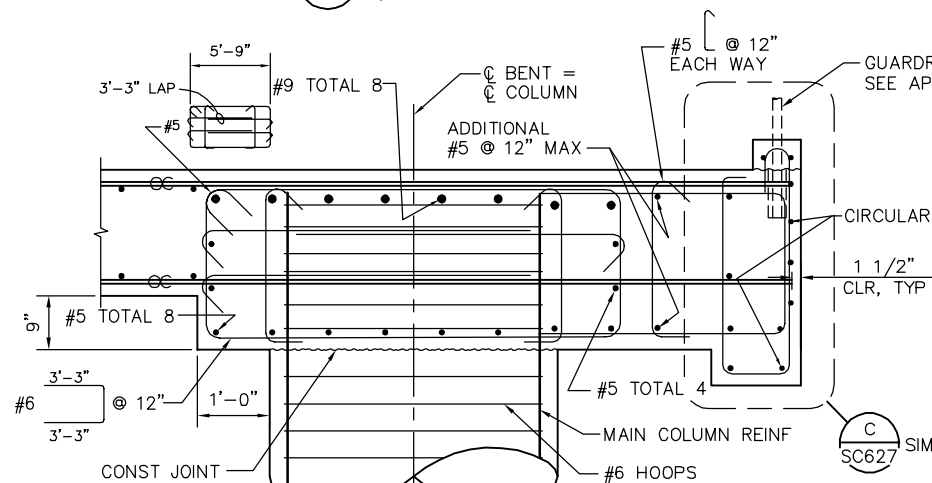
A SECTION
1" = 1'-0"



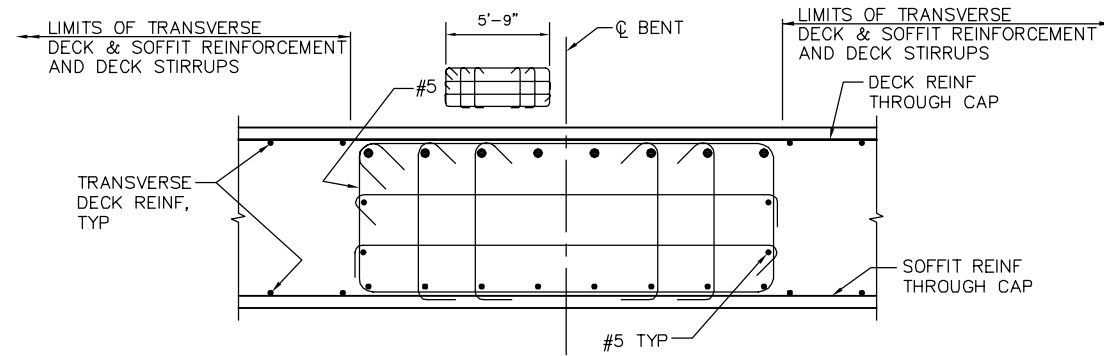
B SECTION
3/4" = 1'-0"
SEE **C** FOR DETAILS NOT SHOWN



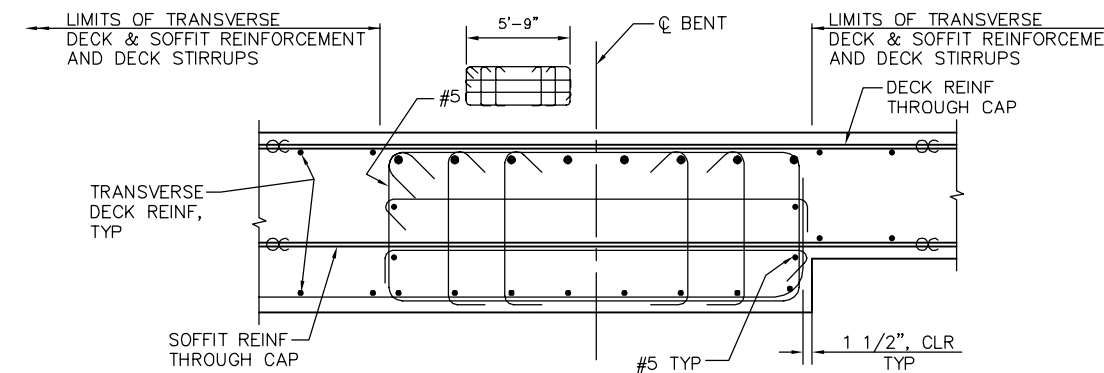
D SECTION
3/4" = 1'-0"
SEE **E** FOR DETAILS NOT SHOWN



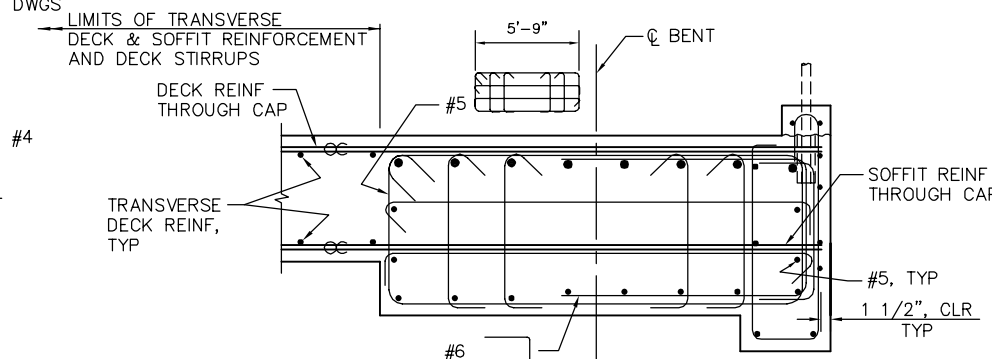
F SECTION
3/4" = 1'-0"
SEE **G** FOR DETAILS NOT SHOWN



C SECTION
3/4" = 1'-0"
SEE **B** FOR DETAILS NOT SHOWN



E SECTION
3/4" = 1'-0"
SEE **D** FOR DETAILS NOT SHOWN

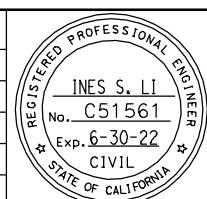


G SECTION
3/4" = 1'-0"
SEE **F** FOR DETAILS NOT SHOWN

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 865 The Alameda
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 408-296-5315
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 CADD FILENAME: 801SC626.dwg

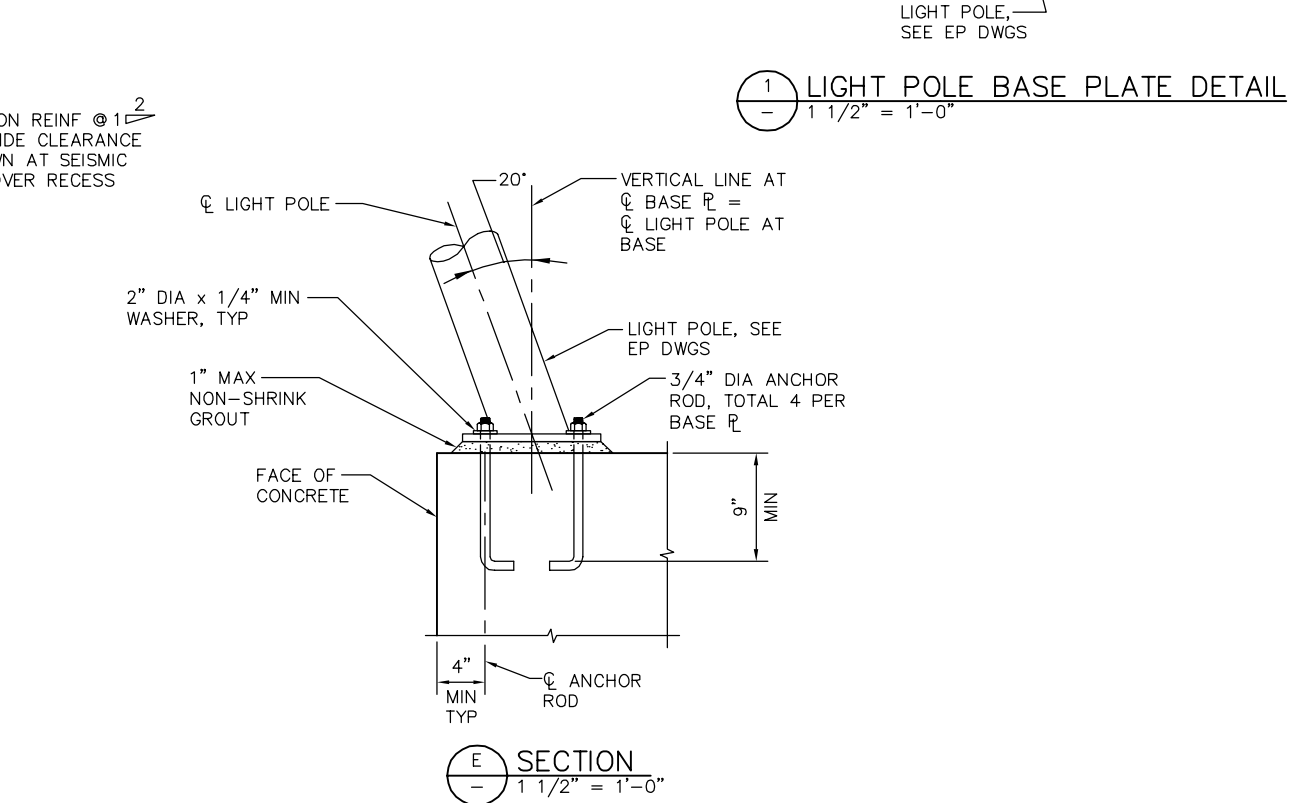
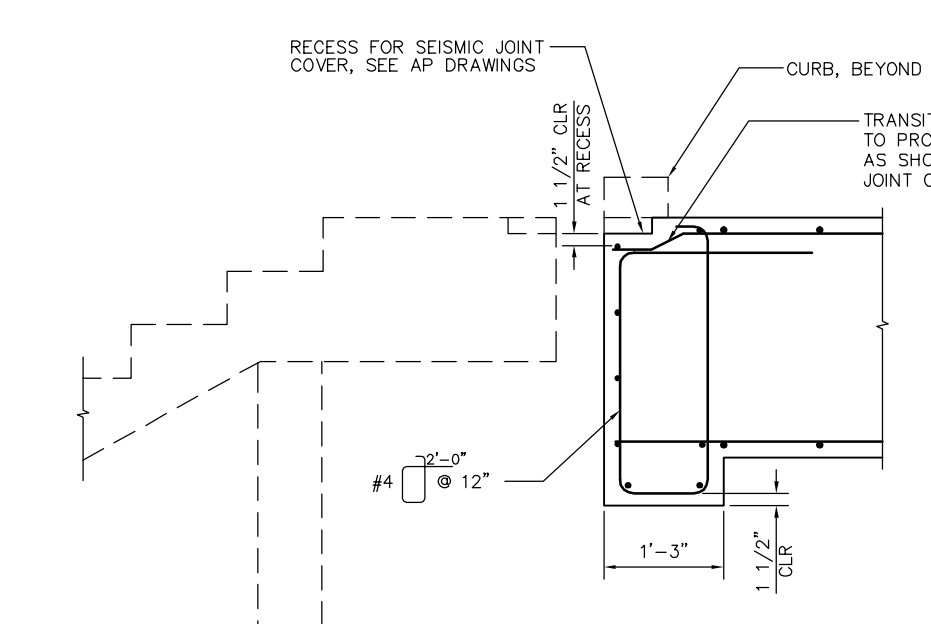
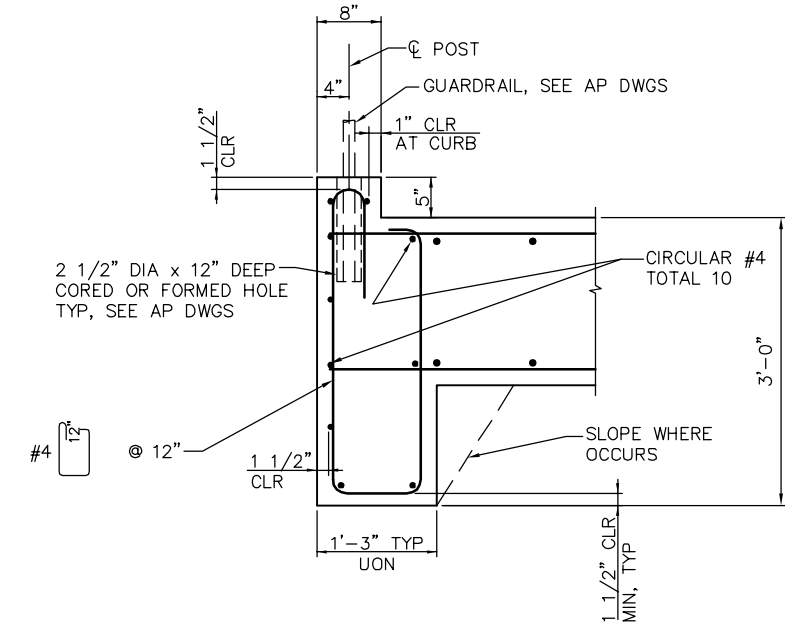
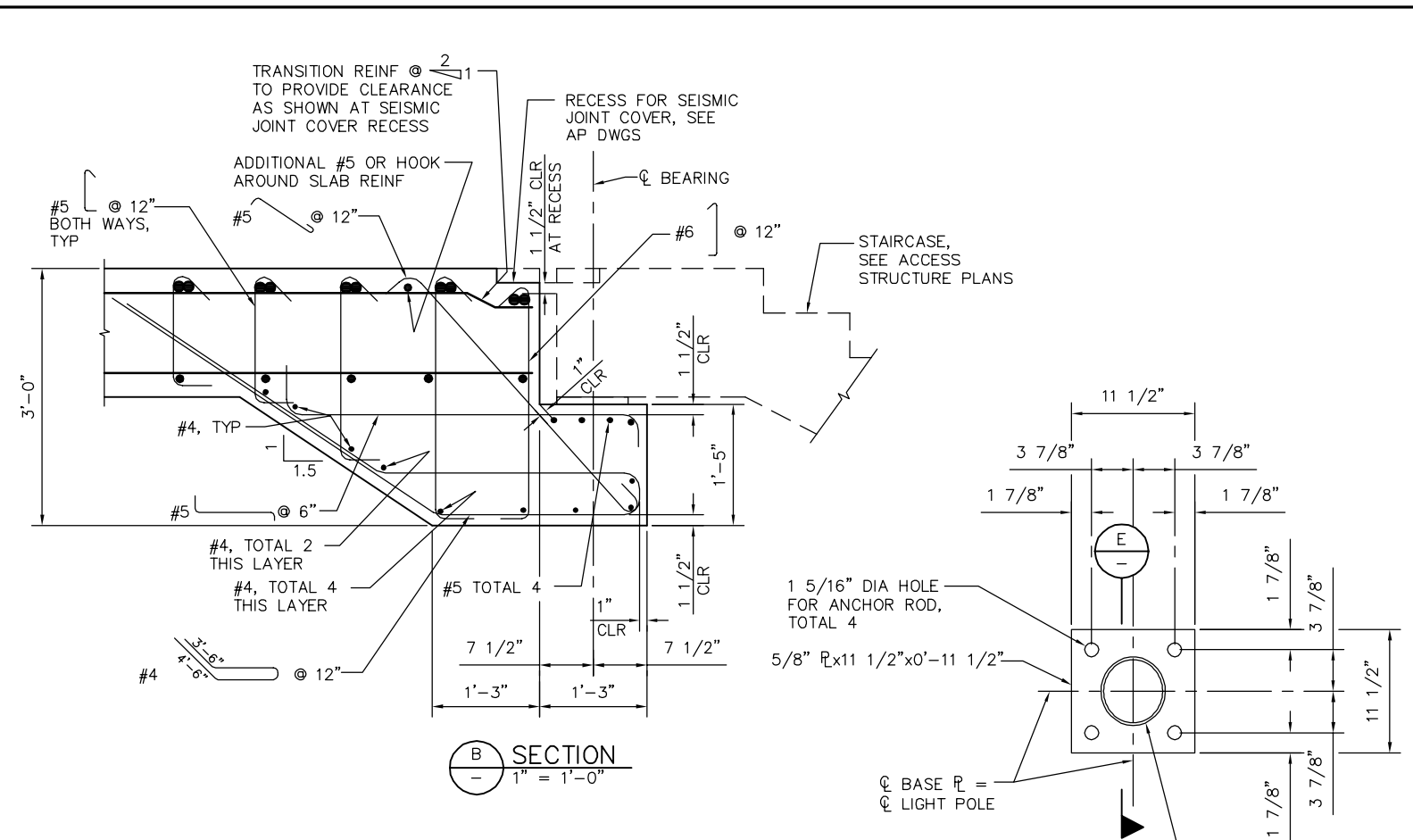
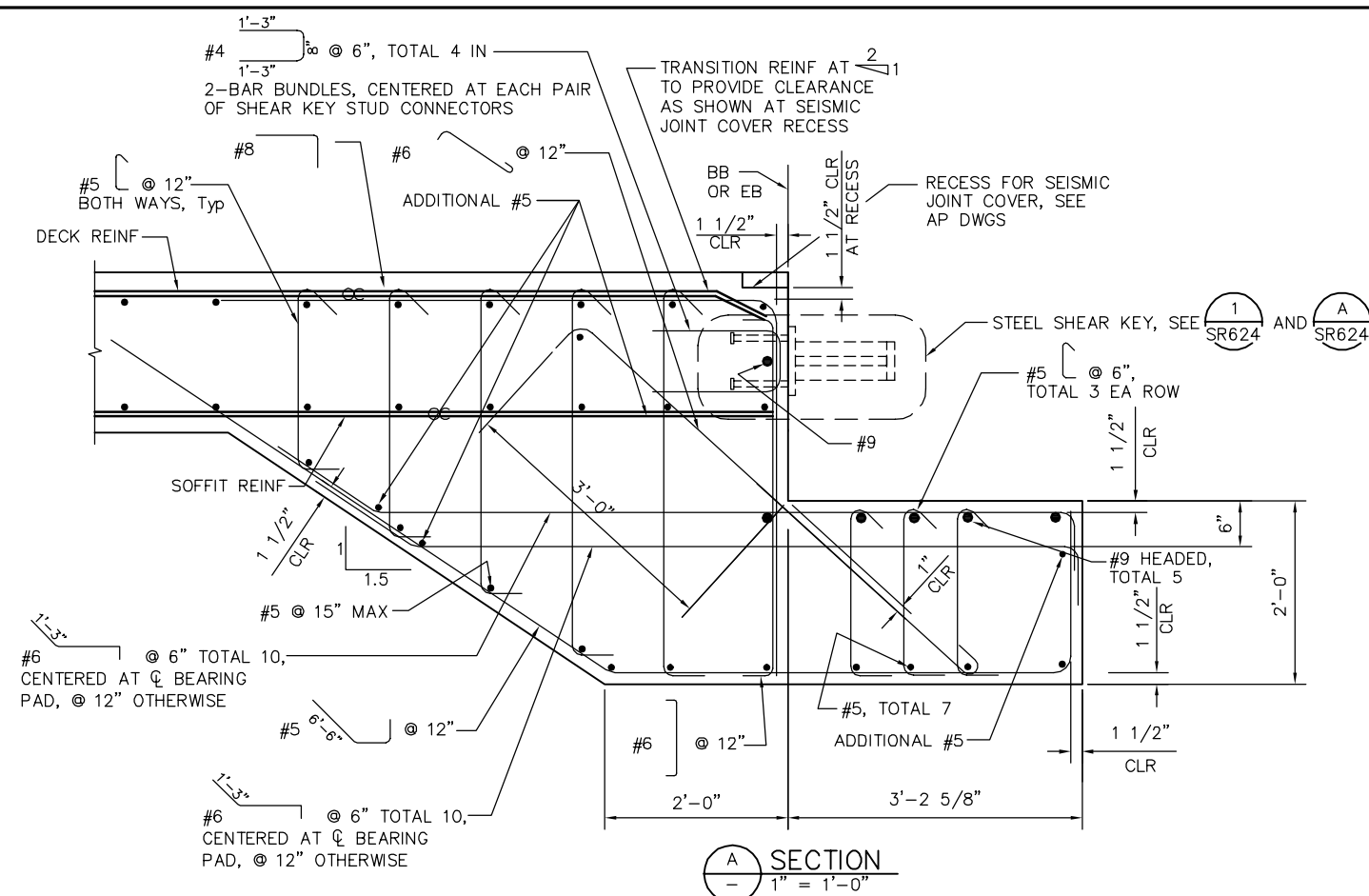
Santa Clara Valley
 Transportation
 Authority

APPROVED

 BKF 100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 06/23/20
 SCALE: AS SHOWN
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 STORY STATION POC
 BENT DETAILS NO. 2
 PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

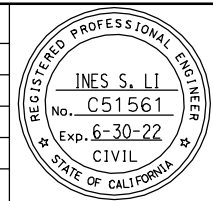
SHEET OF	SC626
DRAWING NO.	SC626
REVISION	A



PLAN CHECK SET/NOT FOR CONSTRUCTION

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865 The Alameda
San Jose, California 95128
408-296-5515

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CADD FILENAME: 801SC627.dwg

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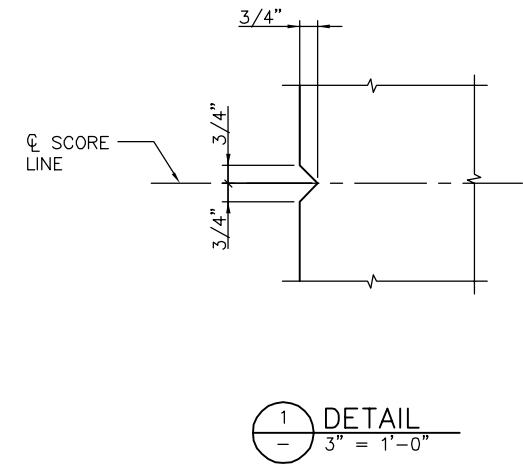
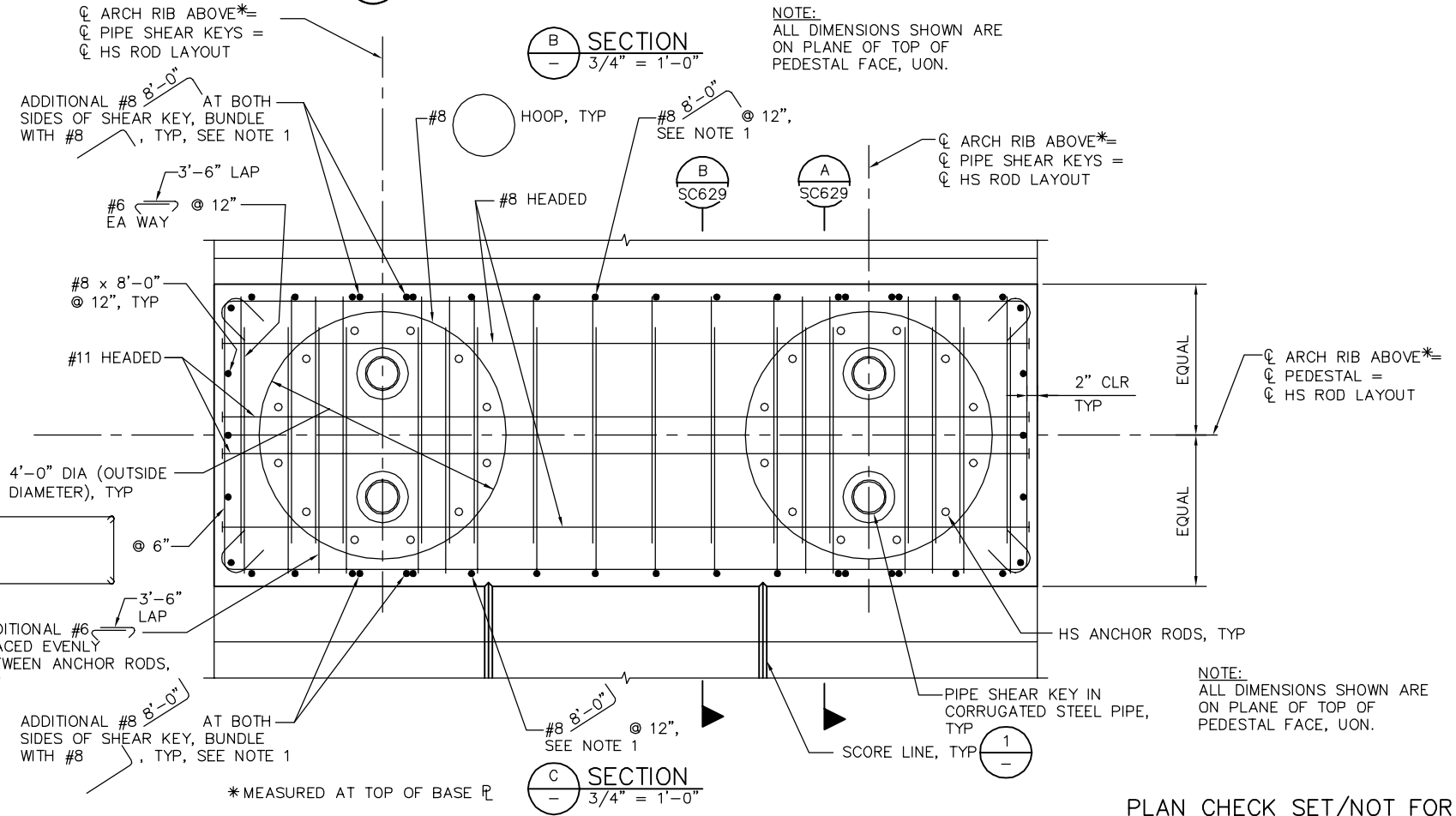
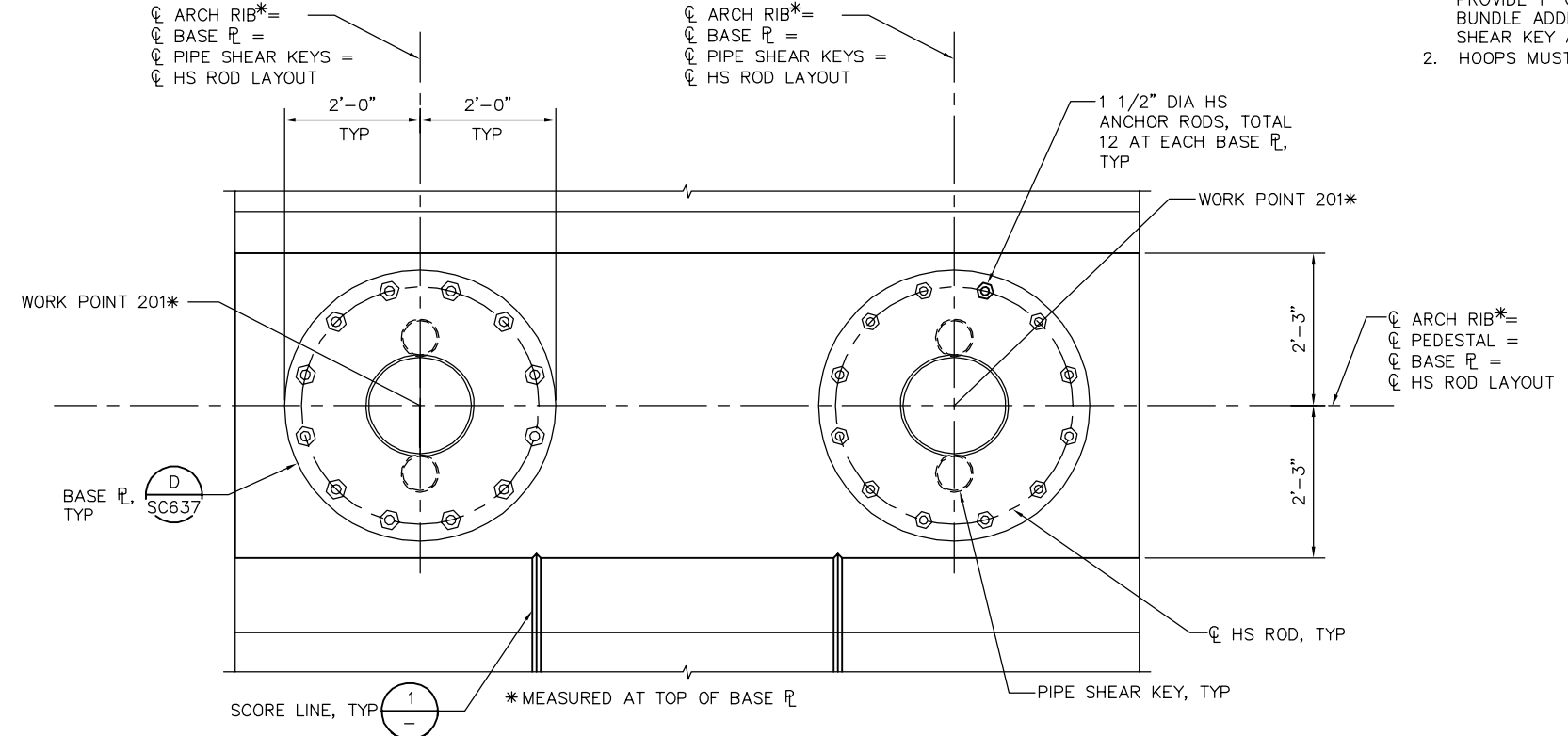
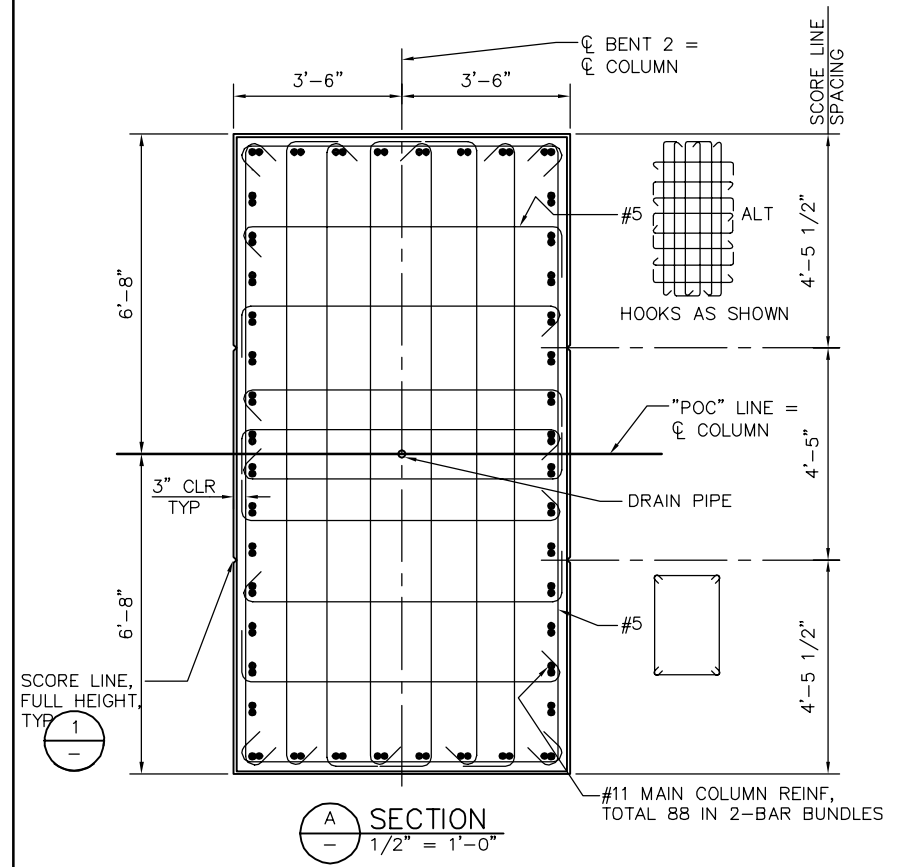
CADD FILE DATE: 06/23/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
STORY STATION POC
BENT DETAILS NO. 3

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF
DRAWING NO. SC627
REVISION A

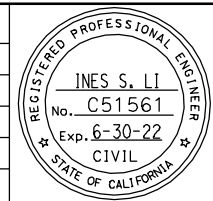
- NOTES:**
1. INCREASE SPACING ADJACENT TO PIPE SHEAR KEY TO PROVIDE 1" CLR TO CORRUGATED STEEL PIPE. BUNDLE ADDITIONAL #8 REINF ON EACH SIDE OF PIPE SHEAR KEY AS SHOWN.
 2. HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.



PLAN CHECK SET/NOT FOR CONSTRUCTION

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 865 The Alameda
 San Jose, California 95128
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CADD FILE DATE: 06/23/20
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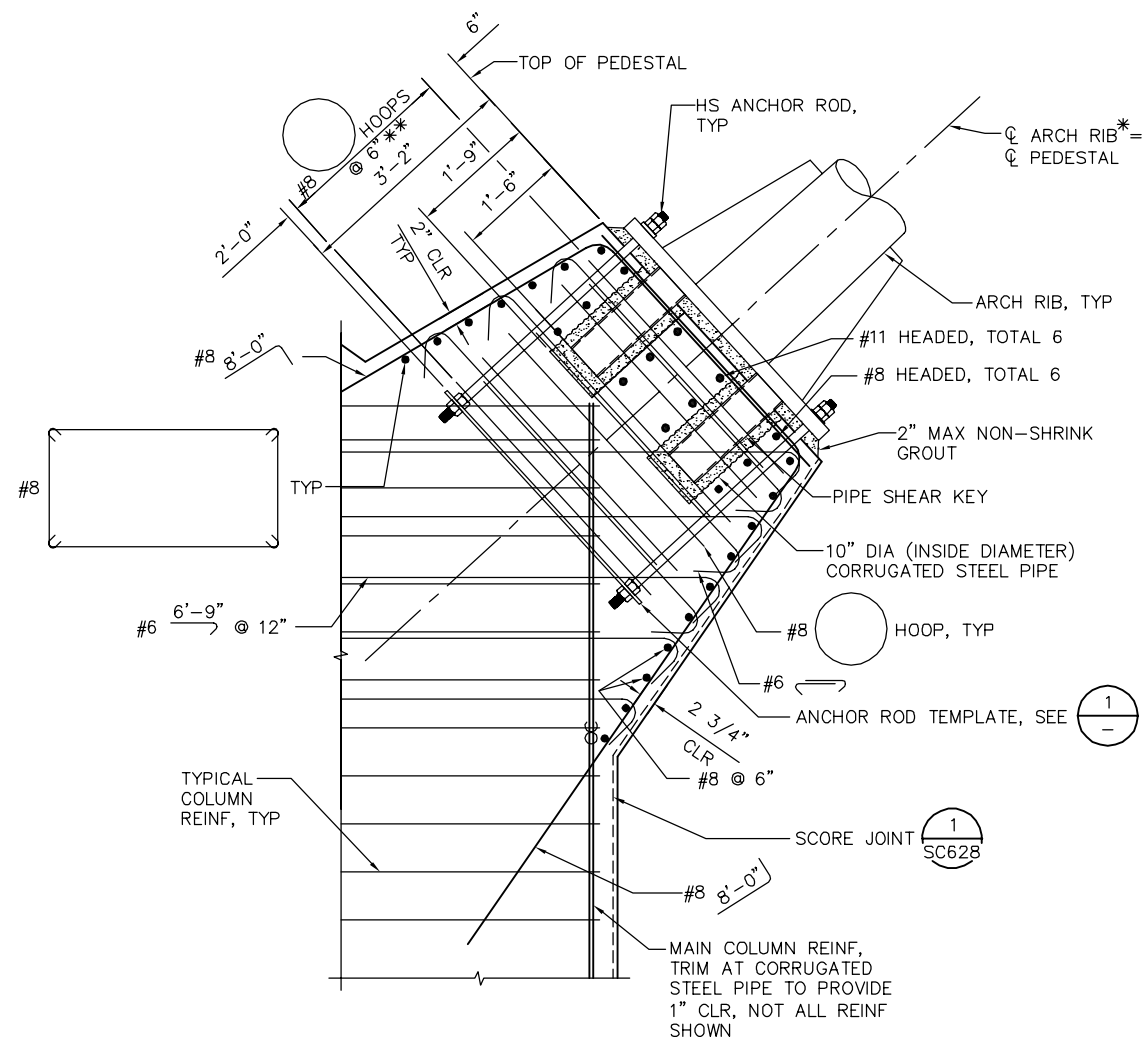
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 STORY STATION POC
 BENT DETAILS NO. 4

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SC628
REVISION	A

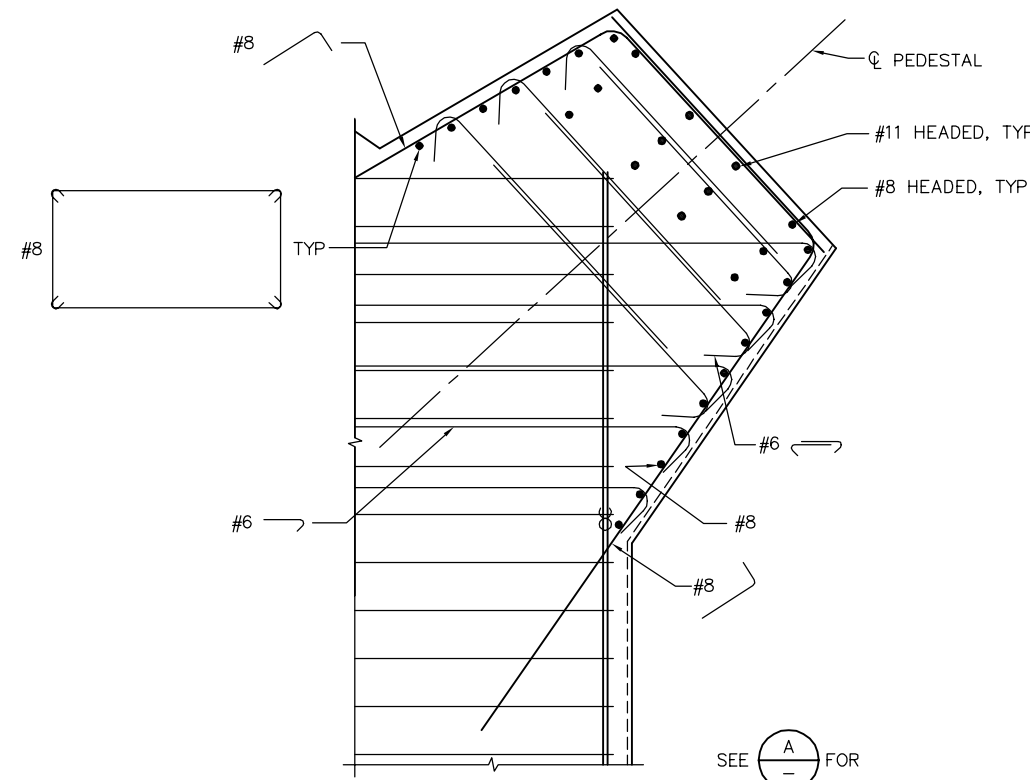
NOTE:
HOOPS MUST UTILIZE ULTIMATE BUTT SPLICES.

LEGEND:
⊖ INDICATES BUNDLED BARS



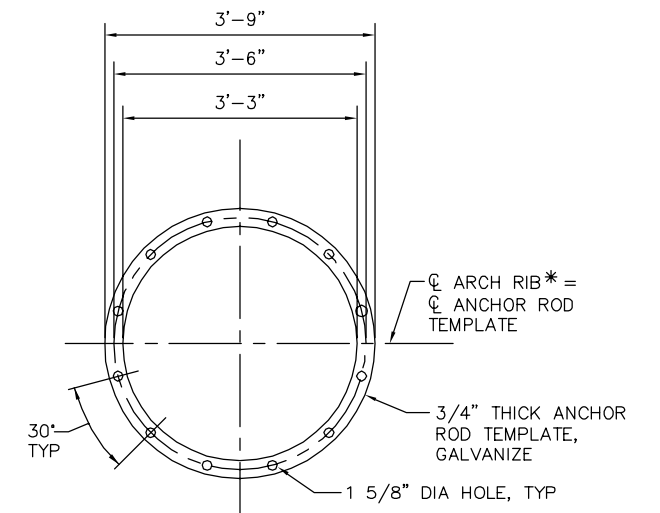
A SECTION
3/4" = 1'-0"

* MEASURED AT TOP OF BASE \bar{R}
** MEASURED ALONG \bar{C} PEDESTAL



B SECTION
3/4" = 1'-0"

SEE **A** FOR
DETAILS NOT
SHOWN



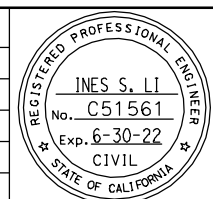
1 DETAIL
3/4" = 1'-0"

* MEASURED AT
TOP OF BASE \bar{R}

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PLAN CHECK SET/NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



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BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. ROSELLINI
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SC629.dwg

Santa Clara Valley Transportation Authority

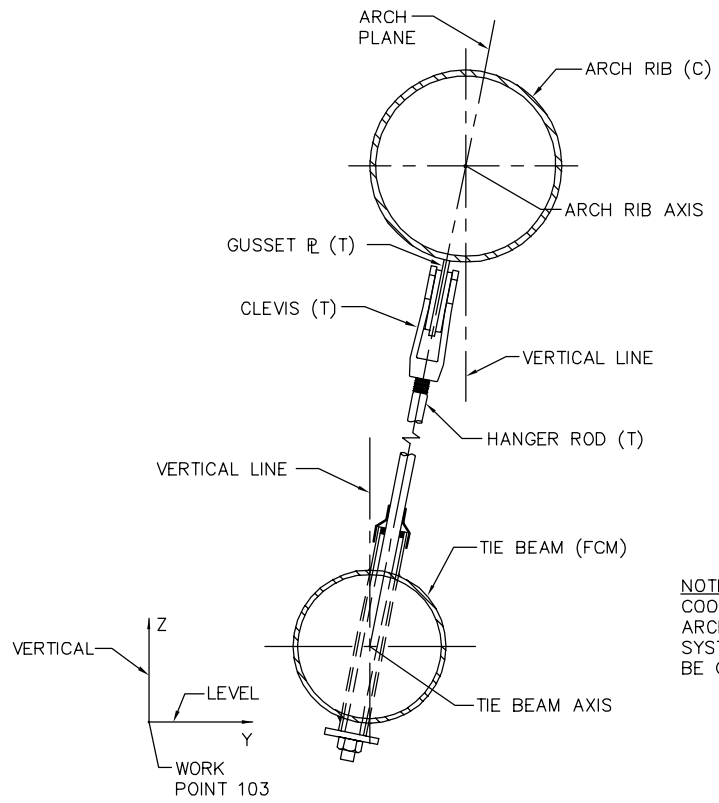
APPROVED
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ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/23/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
STORY STATION POC
BENT DETAILS NO. 5

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SC629
REVISION	A

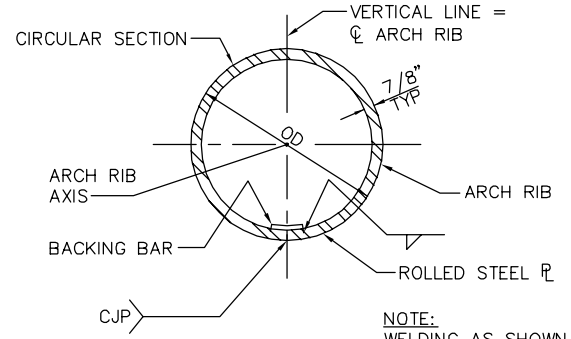


A SECTION
1 1/2" = 1'-0"

NOTE:
COORDINATE SYSTEM FOR RIGHT ARCH SHOWN. COORDINATE SYSTEM FOR LEFT ARCH MUST BE OPPOSITE HANDED.

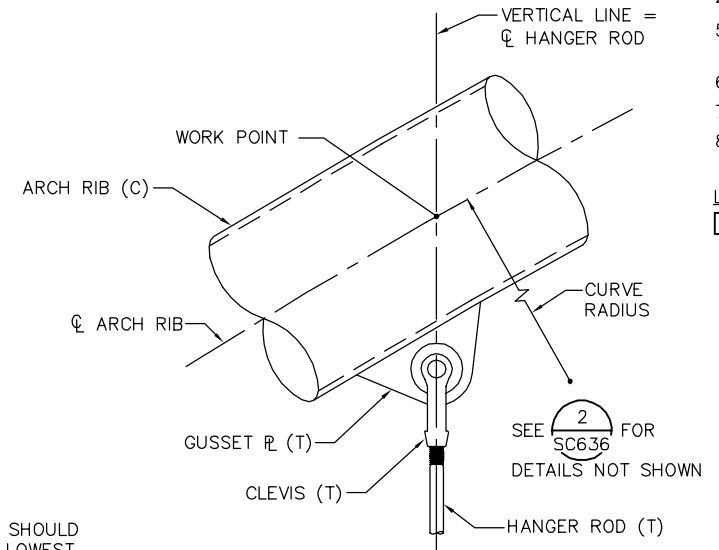
WORK POINT	OD*
101 & 201	1'-6"
102 & 202	1'-4"
103 & 203	
115 & 218	
116 & 219	
104 & 204	1'-4"± (MATCH OD OF HSS ARCH RIB)
114 & 217	

* OD VARIES LINEARLY BETWEEN WORK POINTS 101 AND 102 AND WORK POINTS 201 AND 202



B SECTION
1 1/2" = 1'-0"

NOTE:
WELDING AS SHOWN SHOULD BE PLACED AT THE LOWEST POINT OF THE PIPE.



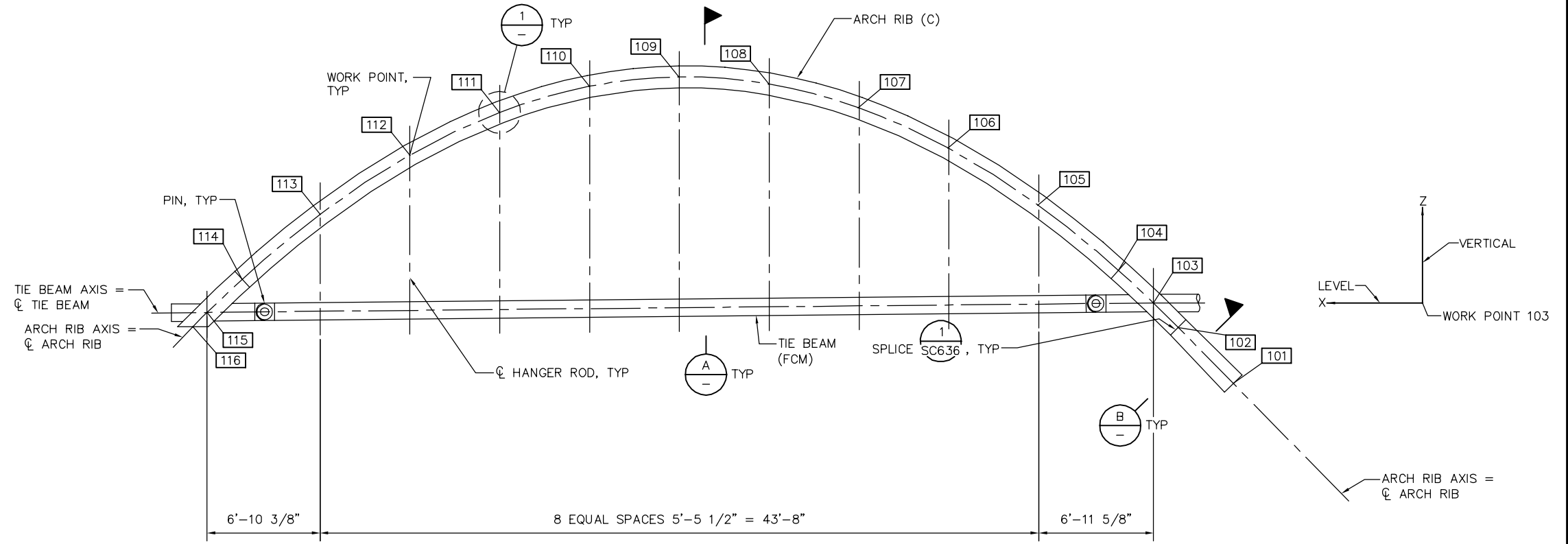
1 DETAIL
1 1/2" = 1'-0"

- NOTES**
- COORDINATES SHOWN IN "ARCH RIB LAYOUT" TABLE ARE FOR RIGHT ARCH. COORDINATES FOR LEFT ARCH MUST BE OPPOSITE HANDED.
 - FROM WORK POINT 102 THROUGH 116, ARCH RIB MAY BE FABRICATED AS CIRCULAR OR PARABOLIC CURVE BETWEEN DESIGNATED WORK POINTS AT THE OPTION OF THE CONTRACTOR. CURVE RADIUS IS PROVIDED IN "ARCH RIB CURVATURE & SECTION" TABLE FOR CIRCULAR CURVE OPTION.
 - THE COORDINATES OF WORK POINTS 102 THROUGH 116, AS FABRICATED, MUST NOT VARY FROM THE "ARCH RIB LAYOUT" TABLE VALUES BY MORE THAN PLUS OR MINUS 1/8 INCH.
 - TIE BEAM IS LINEAR BETWEEN WORK POINTS 103 AND 115.
 - TIE BEAM IS LINEAR BETWEEN WORK POINTS 103 AND 203. SEE "ARCH LAYOUT NO. 2" SHEET FOR WORK POINT 203 LOCATION.
 - RADIUS IS MEASURED IN PLANE OF ARCH.
 - NO SPLICES PERMITTED FOR THE TIE BEAM.
 - THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS PRIOR TO ORDERING OR FABRICATING ANY MATERIAL.

LEGEND:
112 INDICATES WORK POINT

ARCH RIB LAYOUT			
WORK POINT	X (FT)	Y (FT)	Z (FT)
101	-4.854	-1.799	-4.894
102	-1.500	-0.546	-1.486
103	0.000	0.000	0.000
104	2.130	0.728	1.979
105	6.969	2.173	5.902
106	12.427	3.457	9.374
107	17.885	4.373	11.836
108	23.344	4.921	13.288
109	28.802	5.102	13.729
110	34.260	4.914	13.160
111	39.719	4.359	11.580
112	45.177	3.436	8.989
113	50.635	2.145	5.388
114	55.370	0.728	1.446
115	57.500	0.000	-0.575
116	58.375	-0.315	-1.450

ARCH RIB CURVATURE & SECTION		
ARCH RIB SEGMENT	CURVE RADIUS (FT) (SEE NOTE 6)	ARCH RIB SECTION
101 - 102	-	SEE B
102 - 104	80.84	HSS 16x0.500
104 - 105	63.97	
105 - 106	48.91	
106 - 107	37.92	
107 - 108	31.19	
108 - 109	28.09	
109 - 110	28.27	
110 - 111	31.77	
111 - 112	38.94	
112 - 113	50.48	
113 - 114	65.96	
114 - 116	82.21	



ARCH GEOMETRY
1/4" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. ROSELLINI
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SC634.dwg



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BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILEDATE: 06/23/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
STORY STATION POC
ARCH LAYOUT NO. 1

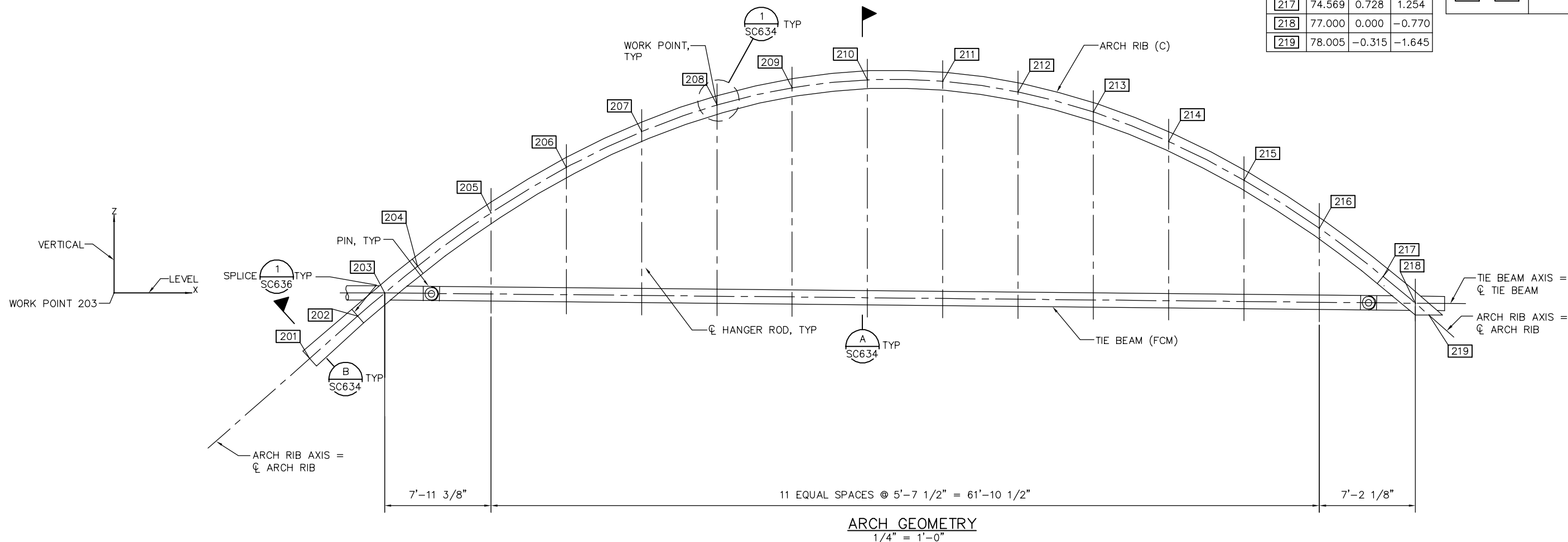
PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF SC634 REVISION B

LEGEND:
 [216] INDICATES WORK POINT

- NOTES:
- COORDINATES SHOWN IN "ARCH RIB LAYOUT" TABLE ARE FOR RIGHT ARCH. COORDINATES FOR LEFT ARCH MUST BE OPPOSITE HANDED.
 - FROM WORK POINT 202 THROUGH 219, ARCH RIB MAY BE FABRICATED AS CIRCULAR OR PARABOLIC CURVE BETWEEN DESIGNATED WORK POINTS AT THE OPTION OF THE CONTRACTOR. CURVE RADIUS IS PROVIDED IN "ARCH RIB CURVATURE & SECTION" TABLE FOR CIRCULAR CURVE OPTION.
 - THE COORDINATES OF WORK POINTS 202 THROUGH 219, AS FABRICATED, MUST NOT VARY FROM THE "ARCH RIB LAYOUT" TABLE VALUES BY MORE THAN PLUS OR MINUS 1/8 INCH.
 - TIE BEAM IS LINEAR BETWEEN WORK POINTS 203 AND 218.
 - TIE BEAM IS LINEAR BETWEEN WORK POINT 103 AND 203. SEE "ARCH LAYOUT NO. 1" SHEET FOR WORK POINT 103 LOCATION.
 - RADIUS IS MEASURED IN PLANE OF ARCH.
 - NO SPLICES PERMITTED FOR THE TIE BEAM.
 - THE CONTRACTOR MUST VERIFY ALL

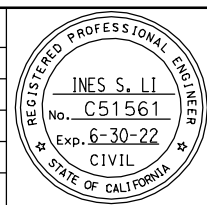
CONTROLLING FIELD DIMENSIONS PRIOR TO ORDERING OR FABRICATING ANY ARCH RIB CURVATURE & SECTION							
WORK POINT	X (FT)	Y (FT)	Z (FT)	ARCH RIB SEGMENT	CURVE RADIUS (FT) (SEE NOTE 6)	ARCH RIB SECTION	
[201]	-5.594	-1.803	-4.899	[201] - [202]	-	SEE (B) SC634	
[202]	-2.011	-0.638	-1.733	[202] - [204]	102.37	HSS 16x0.500	
[203]	0.000	0.000	0.000	[204] - [205]	85.98		
[204]	2.431	0.728	1.976	[205] - [206]	71.49		
[205]	7.948	2.203	5.975	[206] - [207]	60.27		
[206]	13.573	3.456	9.361	[207] - [208]	52.07		
[207]	19.981	4.455	12.049	[208] - [209]	46.55		
[208]	24.823	5.200	14.039	[209] - [210]	43.47		
[209]	30.448	5.691	15.331	[210] - [211]	42.66		
[210]	36.073	5.927	15.925	[211] - [212]	44.09		
[211]	41.698	5.910	15.821	[212] - [213]	47.84		
[212]	47.323	5.638	15.019	[213] - [214]	54.07		
[213]	52.948	5.113	13.519	[214] - [215]	63.08		
[214]	58.573	4.333	11.320	[215] - [216]	75.22		
[215]	64.198	3.300	8.424	[216] - [217]	89.53		
[216]	69.823	2.012	4.830	[217] - [219]	104.05		SEE (B) SC634
[217]	74.569	0.728	1.254				
[218]	77.000	0.000	-0.770				
[219]	78.005	-0.315	-1.645				



PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 23, 2020 - 9:06am W:\2017\2017103\CAPITOL_STORY_POC\801SC635.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. ROSELLINI
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SC635.dwg



APPROVED

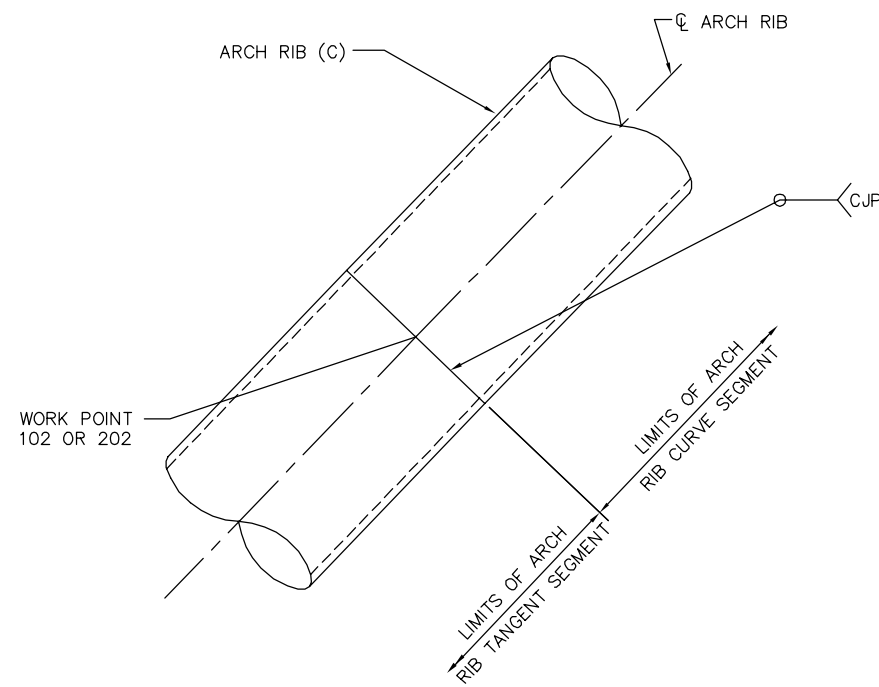
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/23/20
 SCALE: AS SHOWN
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

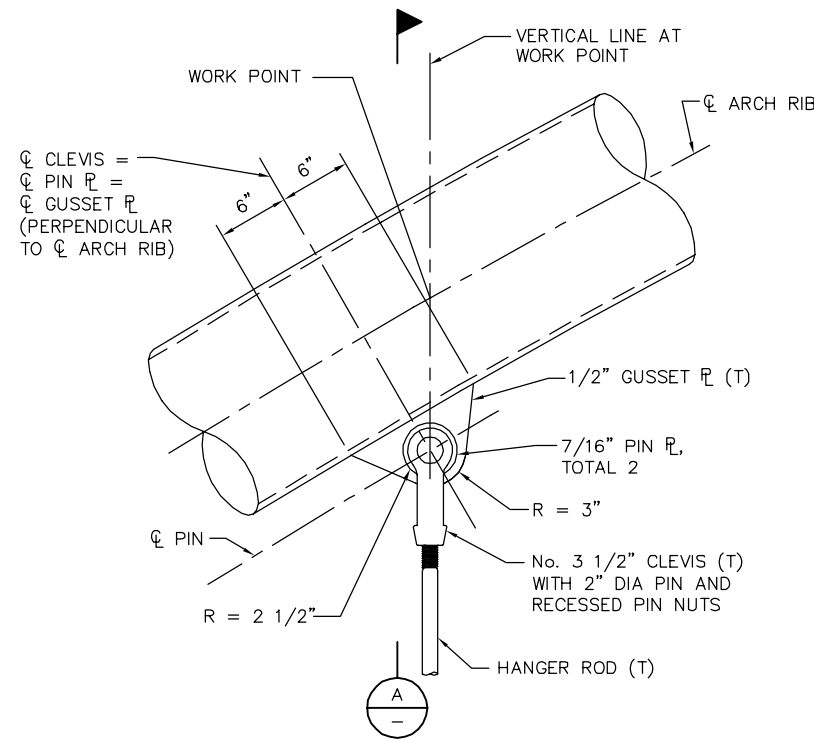
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 STORY STATION POC
 ARCH LAYOUT NO. 2

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

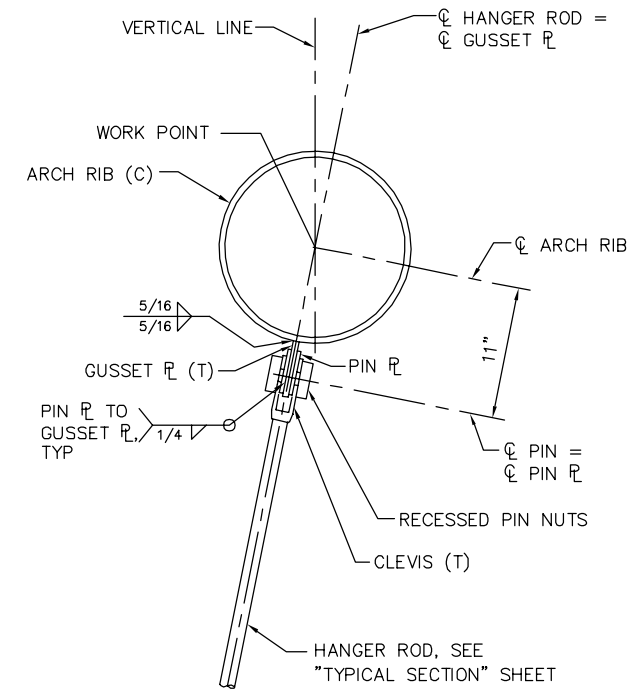
SHEET OF	
DRAWING NO.	SC635
REVISION	B



1 SPLICE DETAIL
1 1/2" = 1'-0"

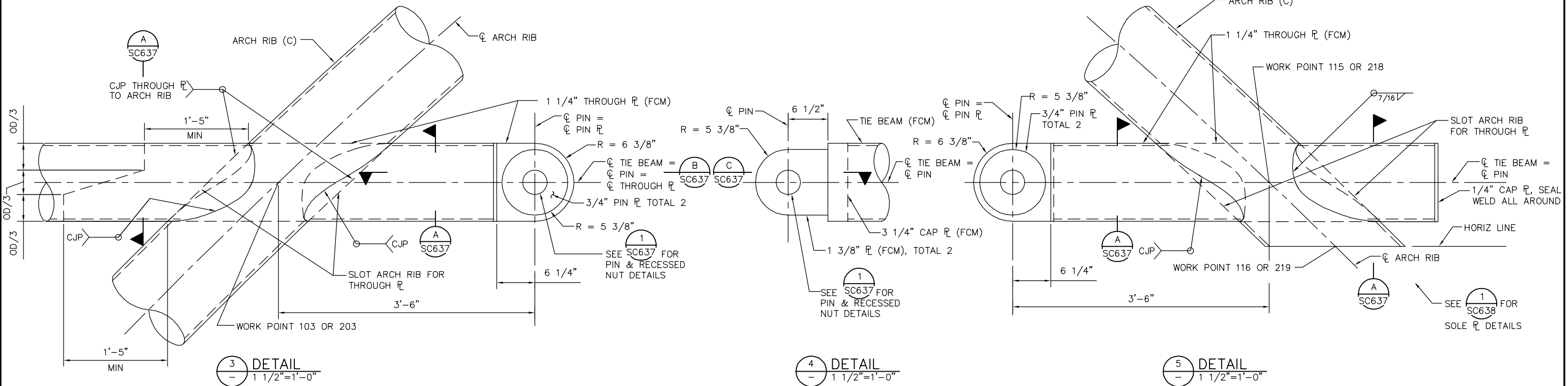


2 GUSSET PLATE DETAIL
1 1/2" = 1'-0"



A SECTION
1 1/2" = 1'-0"

- NOTES:
1. APPLY THREAD LOCKING SYSTEM TO THREADS BEFORE TIGHTENING RECESSED PIN NUTS.
 2. RECESSED PIN NUTS MUST BE TIGHTENED SNUG TIGHT.



3 DETAIL
1 1/2" = 1'-0"

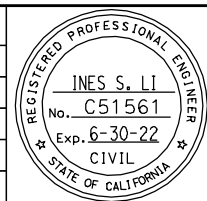
4 DETAIL
1 1/2" = 1'-0"

5 DETAIL
1 1/2" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 23, 2020 - 9:06am W:\2017\2017103\CAPITOL_STORY_POC\801SC636.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. ROSELLINI
CHECKED: D. DEVLIN
DRAWN: A. ROSALES
CADD FILE NAME: 801SC636.dwg

Santa Clara Valley
Transportation
Authority

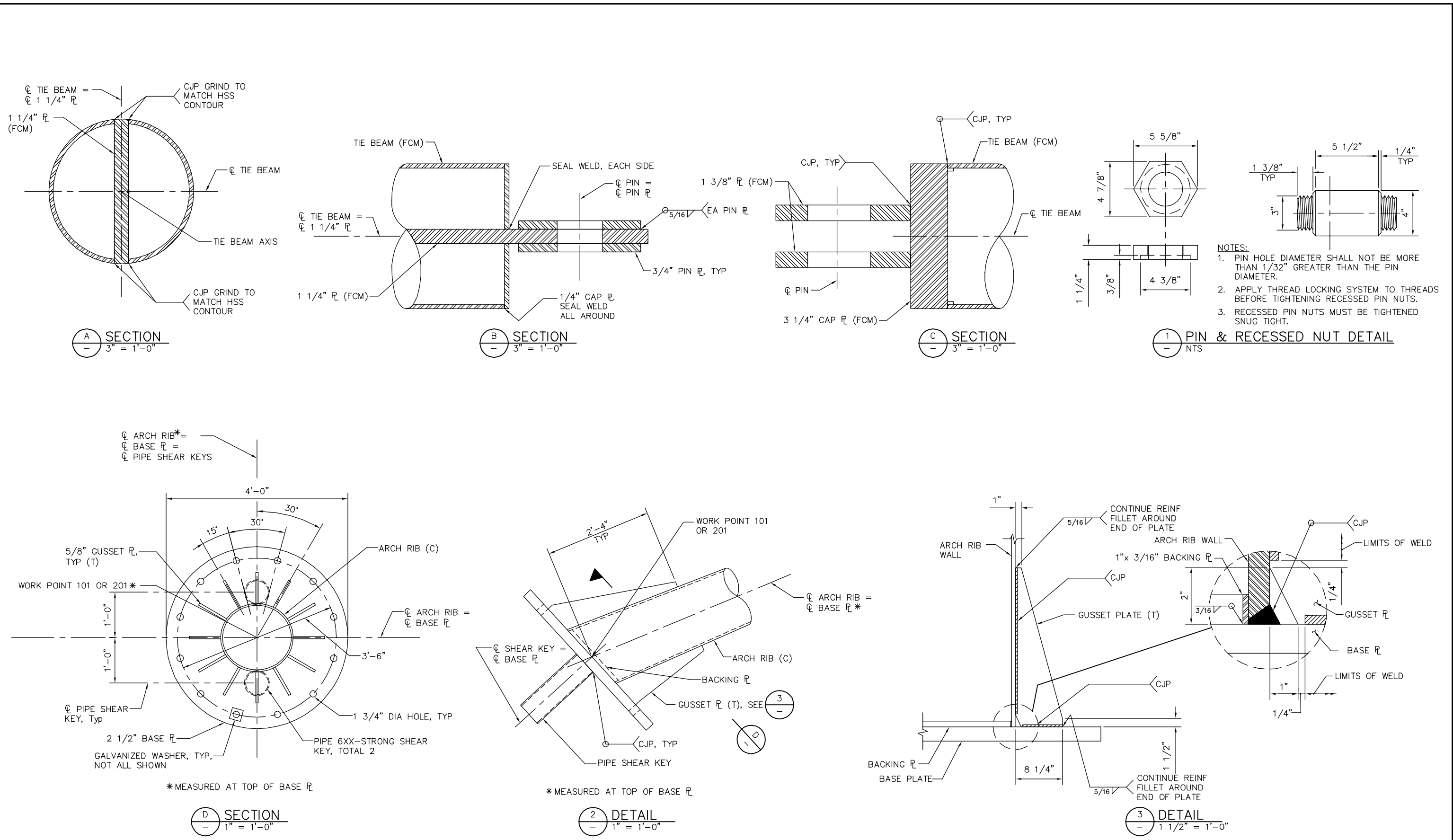
APPROVED

CADD FILE DATE: 06/23/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
STORY STATION POC
ARCH DETAILS NO. 1

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET OF
DRAWING NO. SC636
REVISION A

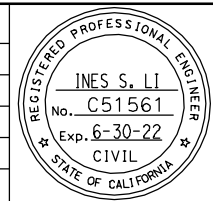


- NOTES:
- PIN HOLE DIAMETER SHALL NOT BE MORE THAN 1/32" GREATER THAN THE PIN DIAMETER.
 - APPLY THREAD LOCKING SYSTEM TO THREADS BEFORE TIGHTENING RECESSED PIN NUTS.
 - RECESSED PIN NUTS MUST BE TIGHTENED SNUG TIGHT.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 23, 2020 - 9:06am W:\2017\2017103\CAPITOL_STORY_POC\801SC637.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. ROSELLINI
 CHECKED: D. DEVLIN
 DRAWN: A. ROSALES
 CADD FILENAME: 801SC637.dwg

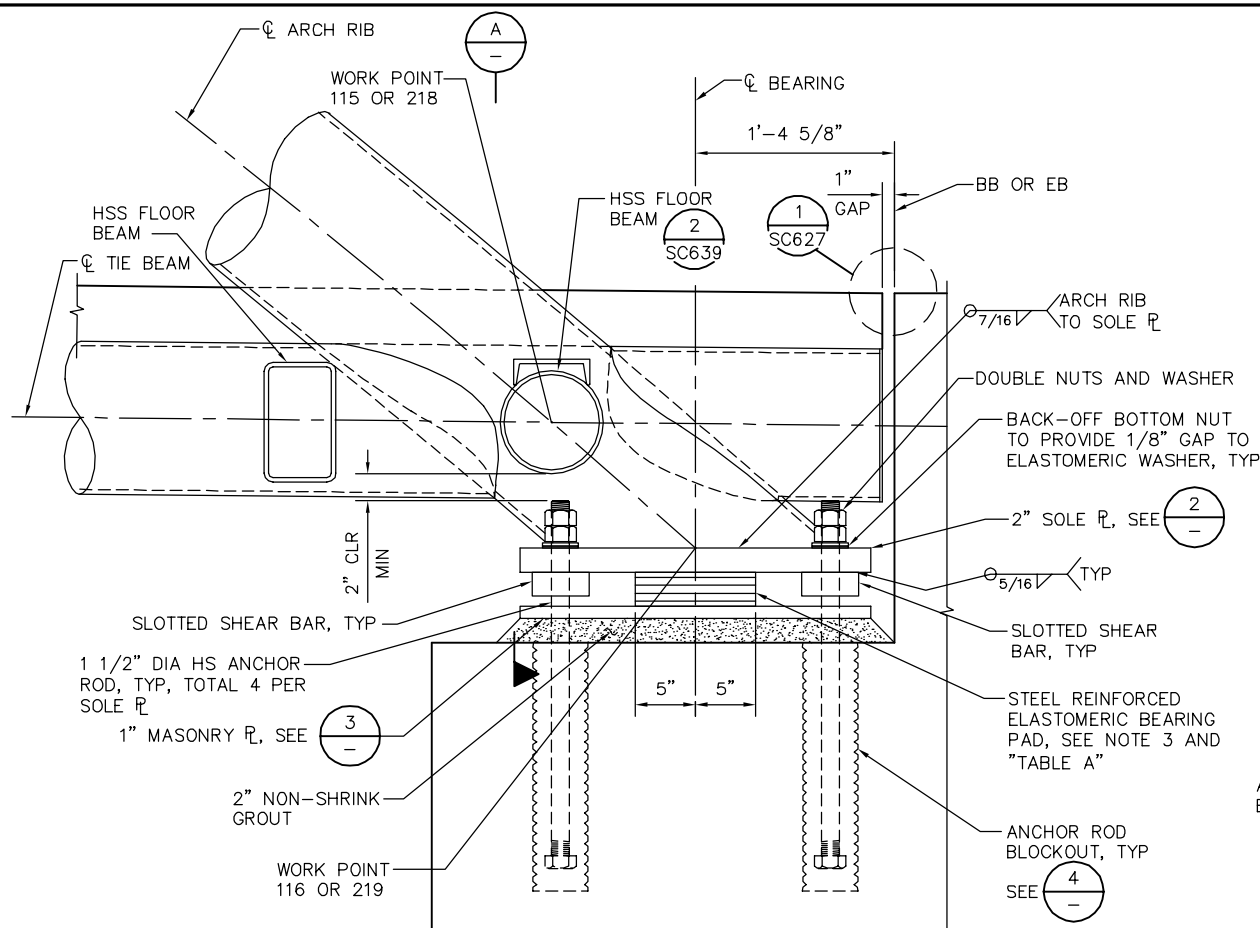
Santa Clara Valley Transportation Authority

APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 06/23/20
 SCALE: AS SHOWN
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 STORY STATION POC
 ARCH DETAILS NO. 2

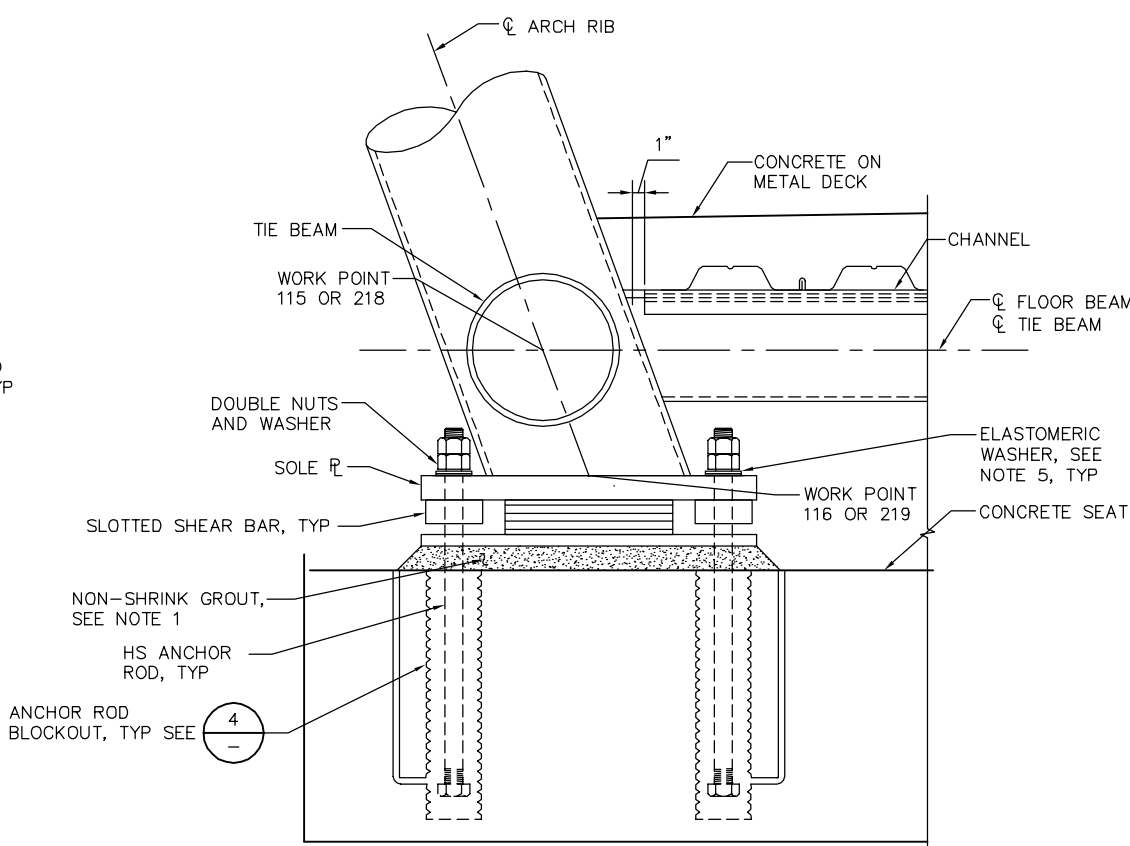
PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	DRAWING NO. SC637
REVISION	A



1-1 1/2" = 1'-0"

NOTE: BEARING DETAIL AT EAST ACCESS STRUCTURE SHOWN. BEARING DETAIL AT WEST ACCESS STRUCTURE SIMILAR.

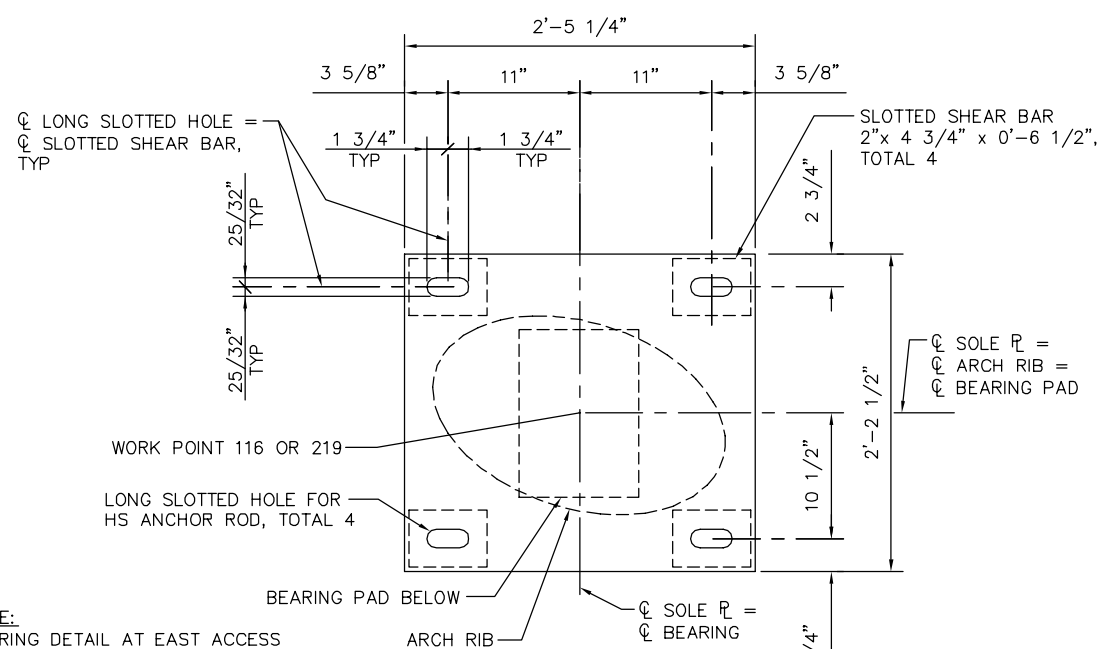


A-1 1/2" = 1'-0"

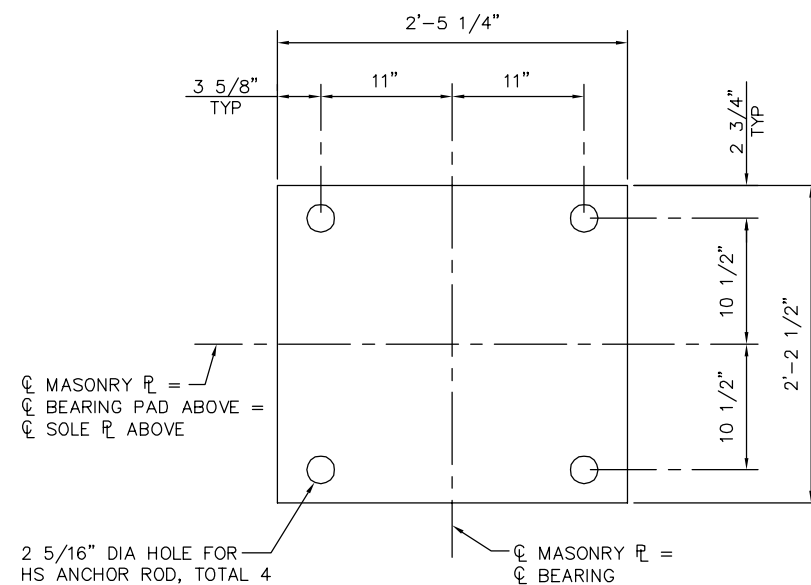
NOTES:

- FINAL ELEVATION OF MASONRY PLATES MUST BE LEVEL & EQUAL FOR BOTH MASONRY PLATES AT EACH SUPPORT.
- SUPPORT POC STRUCTURE WITH SHIM PLATES UNDER MASONRY PLATES UNTIL FINAL ELEVATIONS HAVE BEEN SET AND ANCHOR BOLTS HAVE BEEN GROUTED AND CURED. FULLY ENCASE SHIM PLATES IN GROUT. DO NOT INSTALL CONCRETE ON METAL DECK UNTIL GROUT REACHES COMPRESSIVE STRENGTH OF 3.6 ksi.
- EPOXY BOND TOP OF BEARING PAD TO SOLE PLATE. COAT BOTTOM OF BEARING PAD WITH SILICONE GREASE.
- CUT ENDS OF CSP PERPENDICULAR. GRIND ENDS SMOOTH TO TOUCH. CLEAN AND PAINT CUT ENDS WITH ORGANIC ZINC RICH PRIMER. INSTALL AND SECURE CSP PLUMB AND LEVEL WITH THE CONCRETE SEAT.
- INSTALL 1/4" THICK ELASTOMERIC WASHER BETWEEN DOUBLE NUTS AND WASHER.

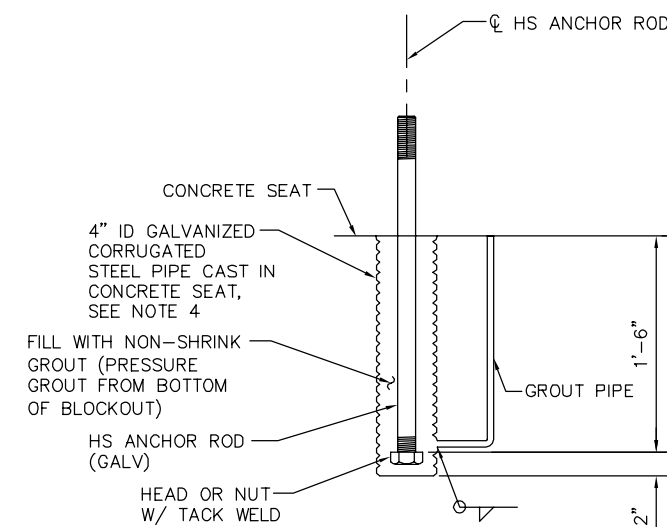
TABLE A	
SUPPORT LOCATION	BEARING PAD DIMENSIONS
WEST ACCESS STRUCTURE	10"x10"x2 1/2"
EAST ACCESS STRUCTURE	10"x14"x2 1/2"



2-1 1/2" = 1'-0"



3-1 1/2" = 1'-0"

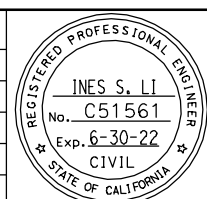


4-NTS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 23, 2020 - 9:07am W:\2017\2017103\CAPITOL_STORY_POC\801SC638.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS

865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. ROSELLINI
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SC6638.dwg

BCA



APPROVED

BKF100+
YEARS
ENGINEERS / SURVEYORS / PLANNERS

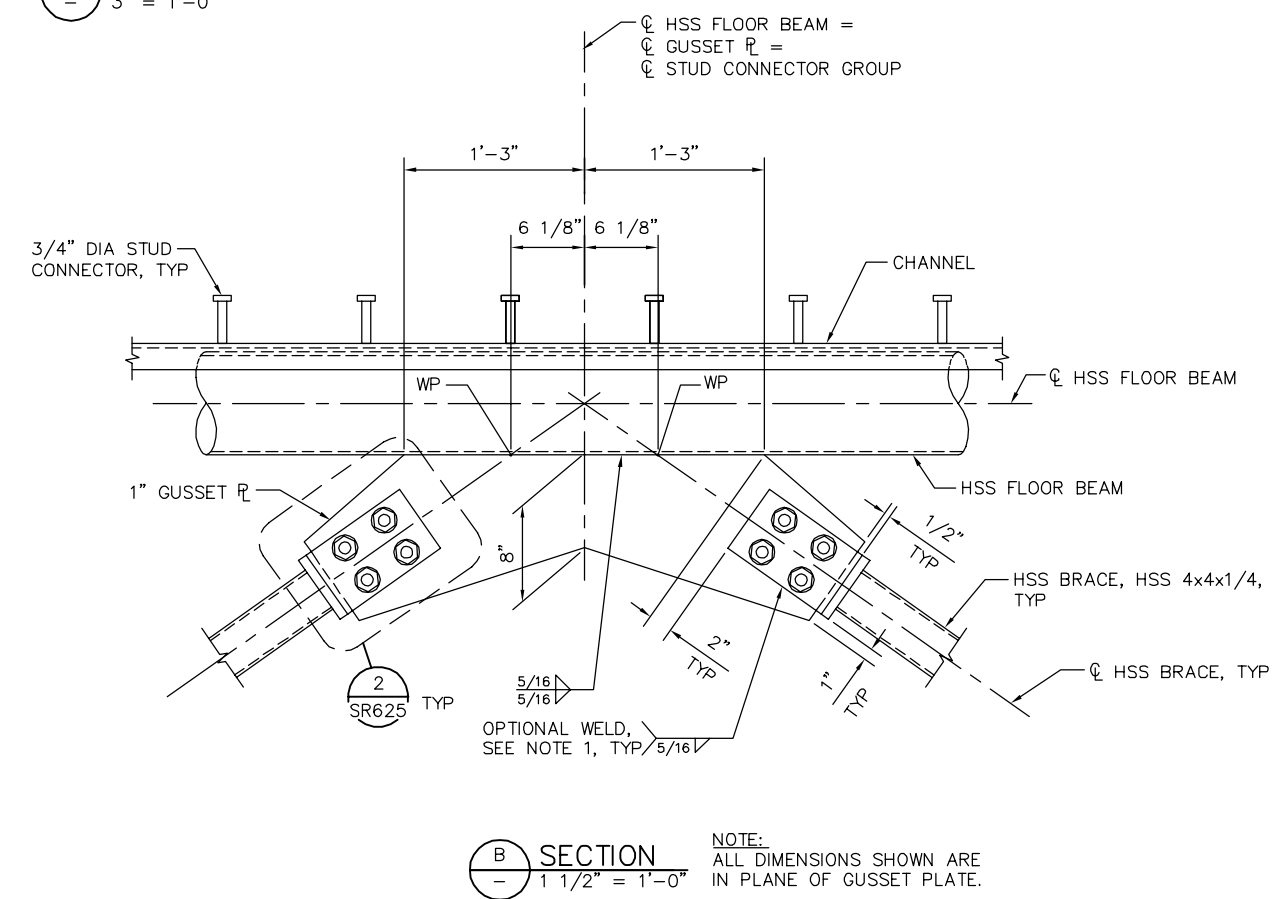
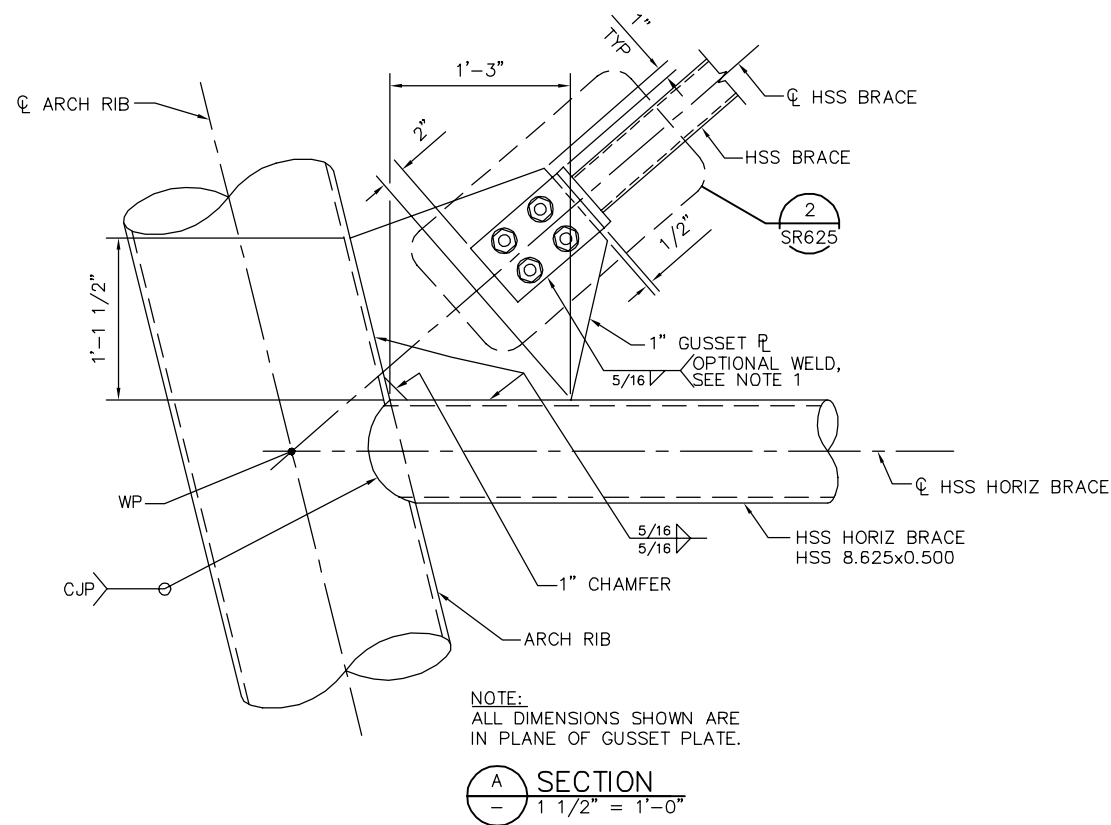
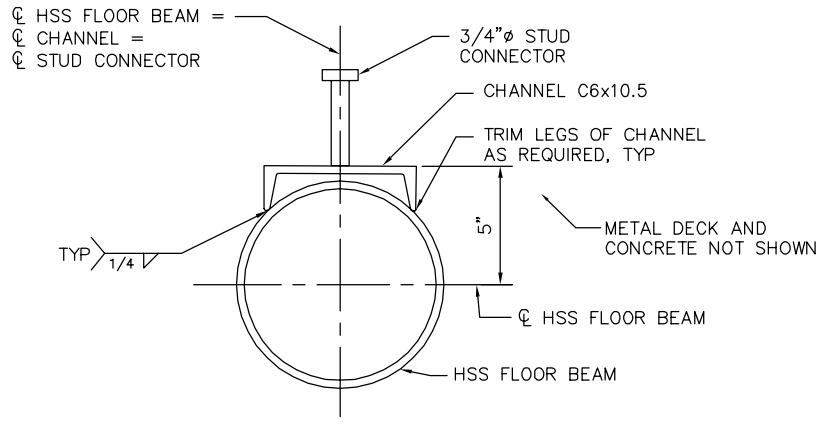
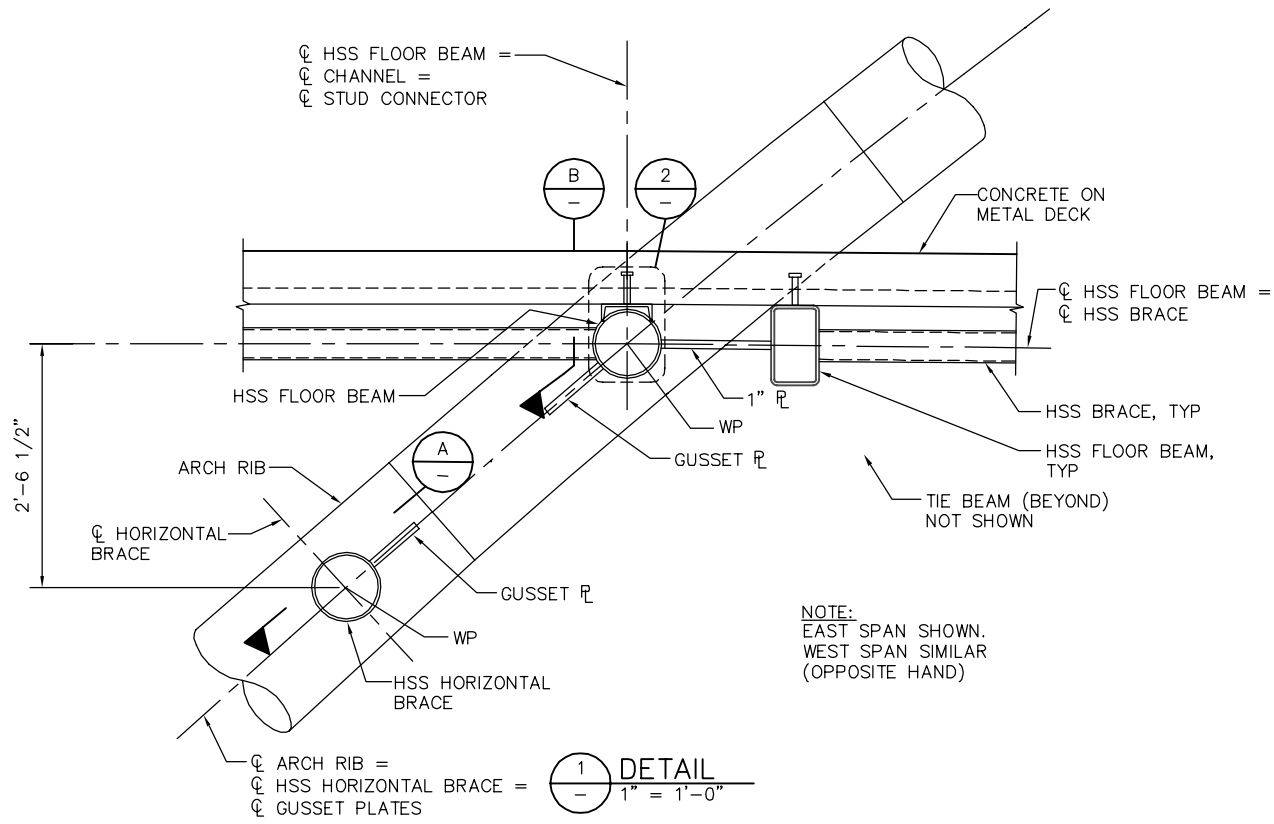
CADD FILE DATE: 06/23/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
STORY STATION POC
ARCH DETAILS NO. 3

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET	OF
DRAWING NO. SC638	REVISION A

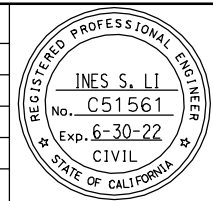
NOTE:
 1. AT CONTRACTOR'S OPTION, 3/4" PLATES MAY BE WELDED TO GUSSET PLATE, FULL LENGTH ON ALL THREE SIDES, IN LIEU OF INSTALLING HS BOLTS. BOLT HOLES MUST BE OMITTED IF WELDED OPTION IS CONSTRUCTED.



PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 23, 2020 - 9:07am W:\2017\2017103\CAPITOL_STORY_POC\801SC639.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. ROSELLINI
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SC6639.dwg



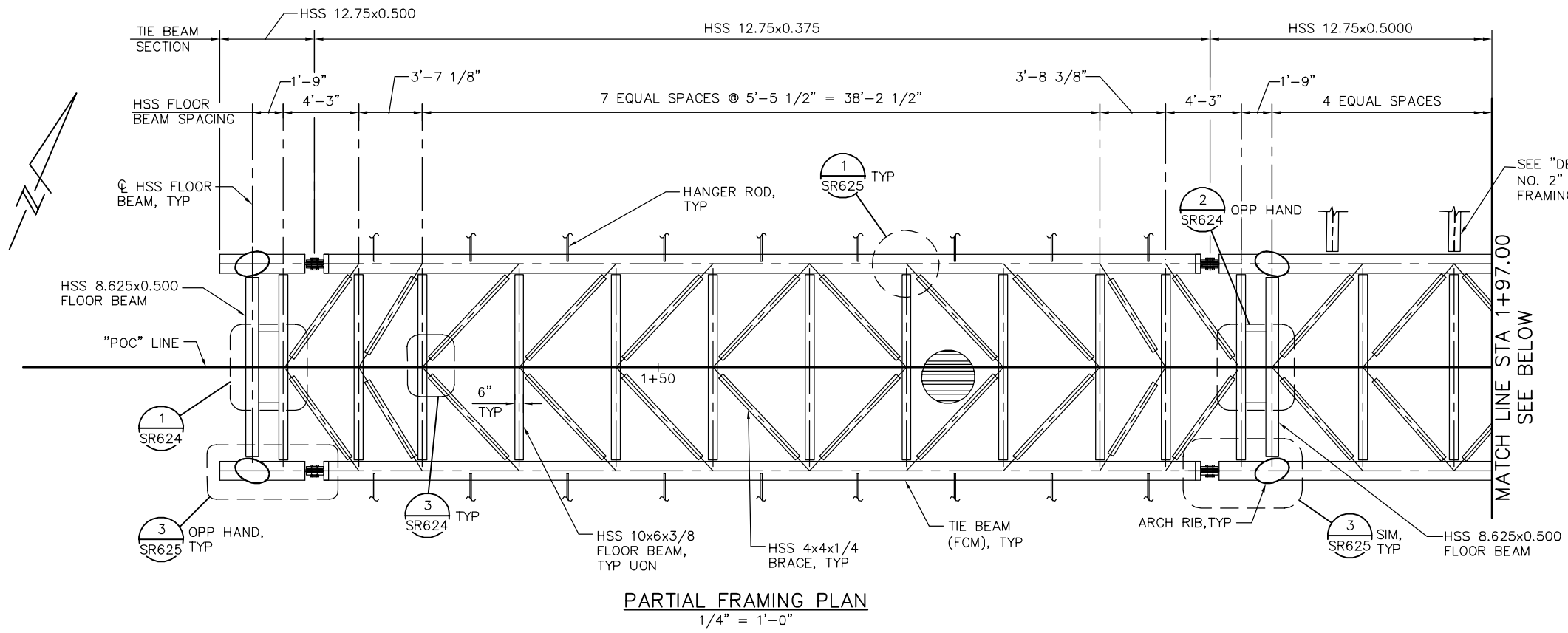
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/23/20
 SCALE: AS SHOWN
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

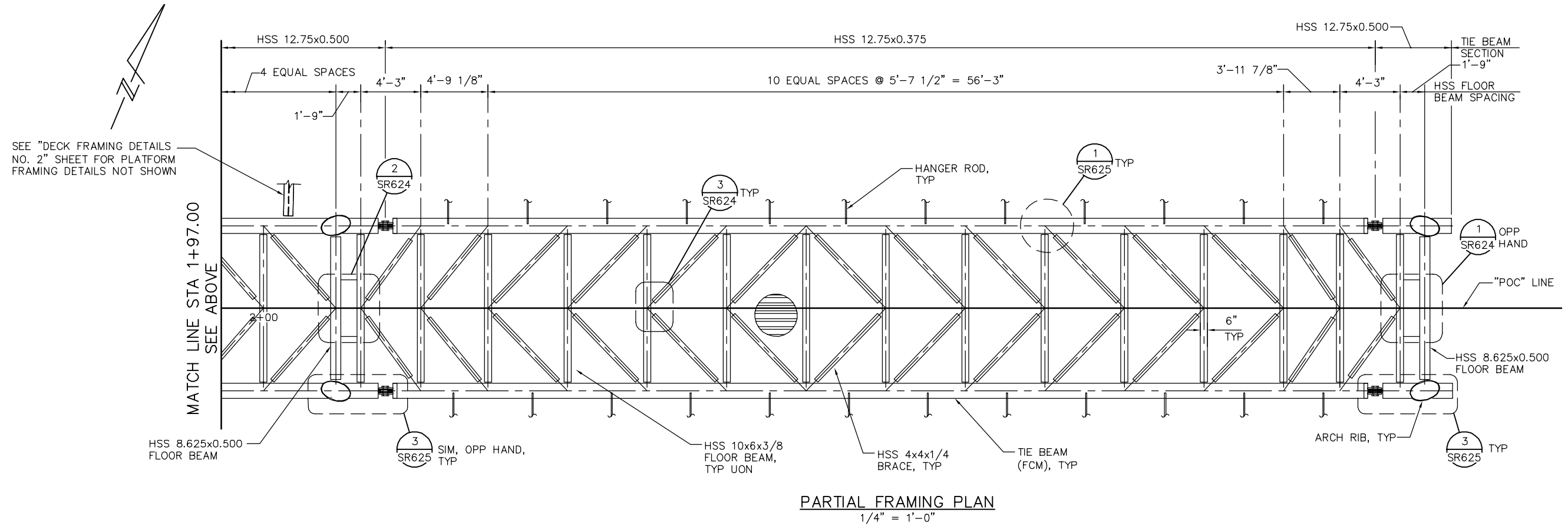
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 STORY STATION POC
 ARCH DETAILS NO. 4

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF
 DRAWING NO. SC639
 REVISION A



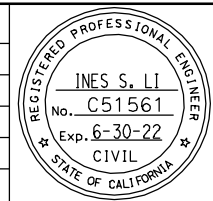
LEGEND:
 INDICATES SPAN DIRECTION FOR METAL DECK, SEE "DECK FRAMING DETAILS No. 1" SHEET.



PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 23, 2020 - 9:07am W:\2017\2017103\CAPITOL_STORY_POV\SR621.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5515

DESIGNED: D. ROSELLINI
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SR621.dwg



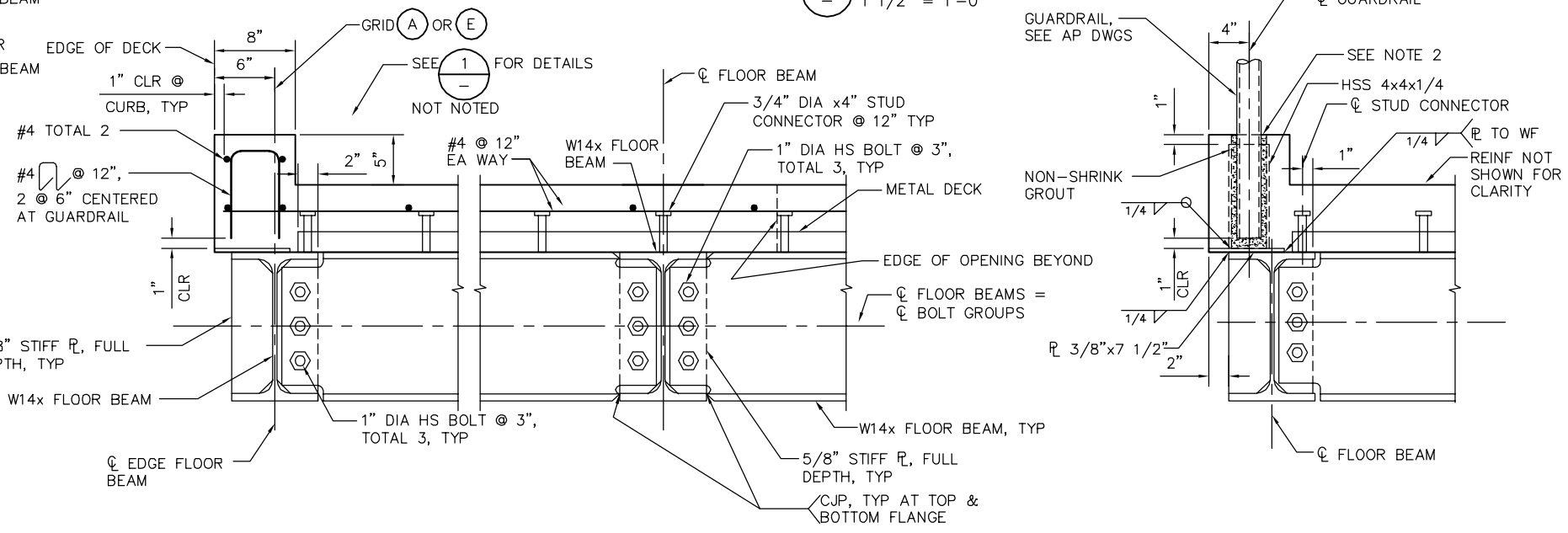
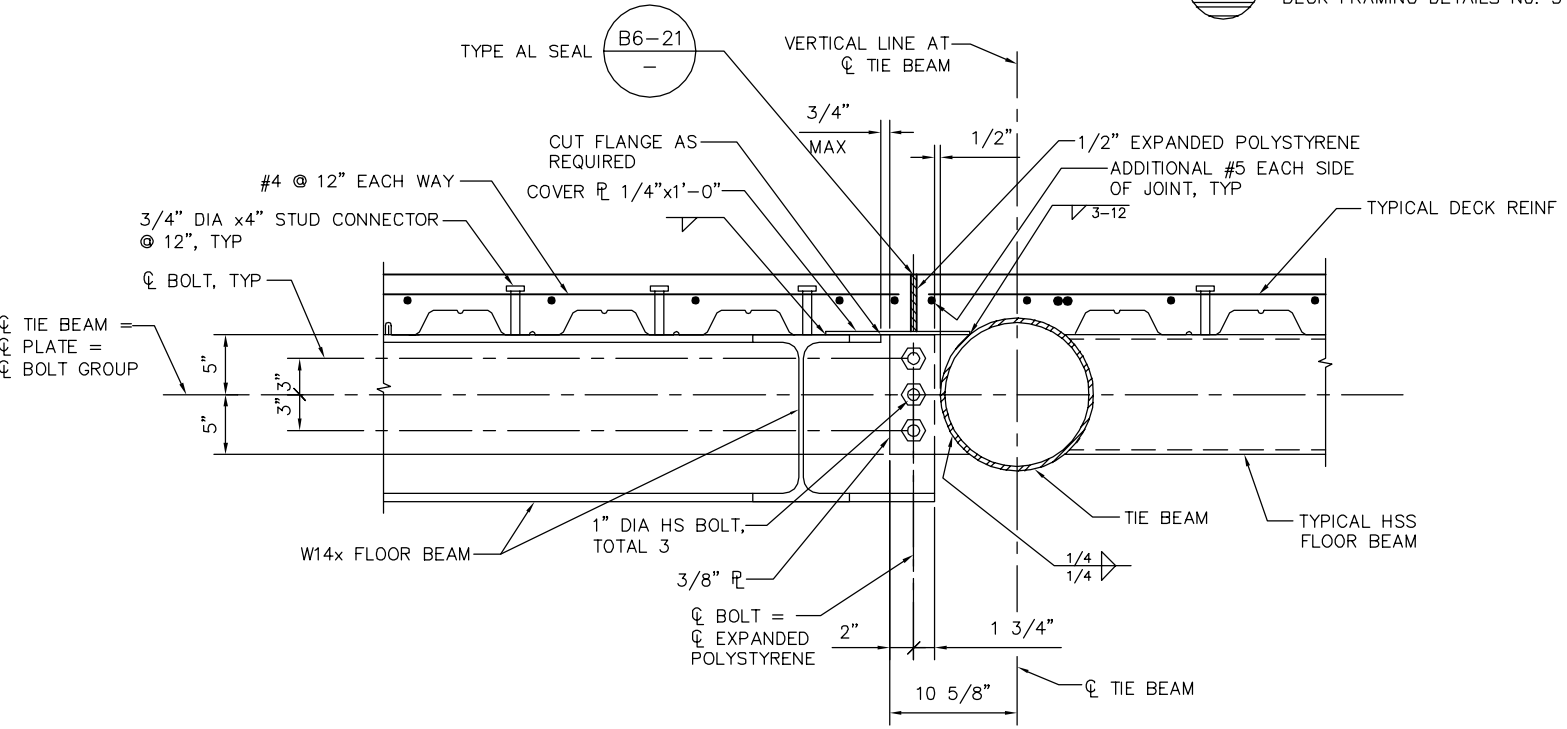
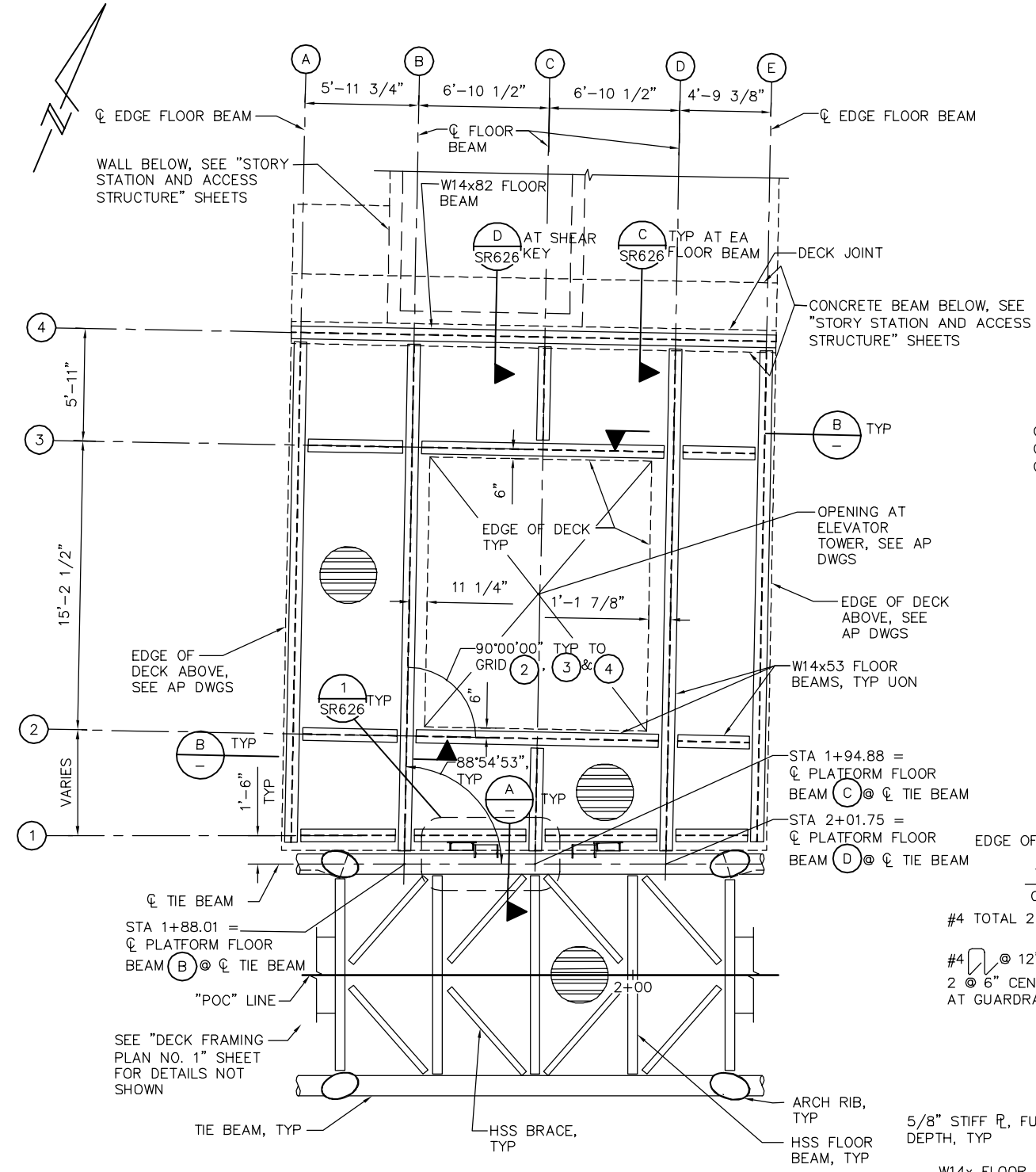
APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/23/20
 SCALE: 1/4" = 1'-0"
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 STORY STATION POC
 DECK FRAMING PLAN NO. 1

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	
DRAWING NO.	SR621
REVISION	B



NOTES:

- SEE $\text{\textcircled{5}}$ SR627 FOR CONNECTION DETAILS NOT SHOWN.
- FORM POST POCKET TO SURFACE FOR INSTALLATION OF GUARDRAIL AND NON-SHRINK GROUT.

LEGEND:

$\text{\textcircled{Hatched}}$ INDICATES SPAN DIRECTION FOR METAL DECK, SEE "DECK FRAMING DETAILS No. 3" SHEET.

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 23, 2020 - 9:07am W:\2017\2017103\CAPITOL_STORY_POC\801SR622.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS

865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED D. ROSELLINI
CHECKED D. DEVLIN
DRAWN S. HICKEY
CADD FILENAME: 801SR622.dwg



APPROVED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

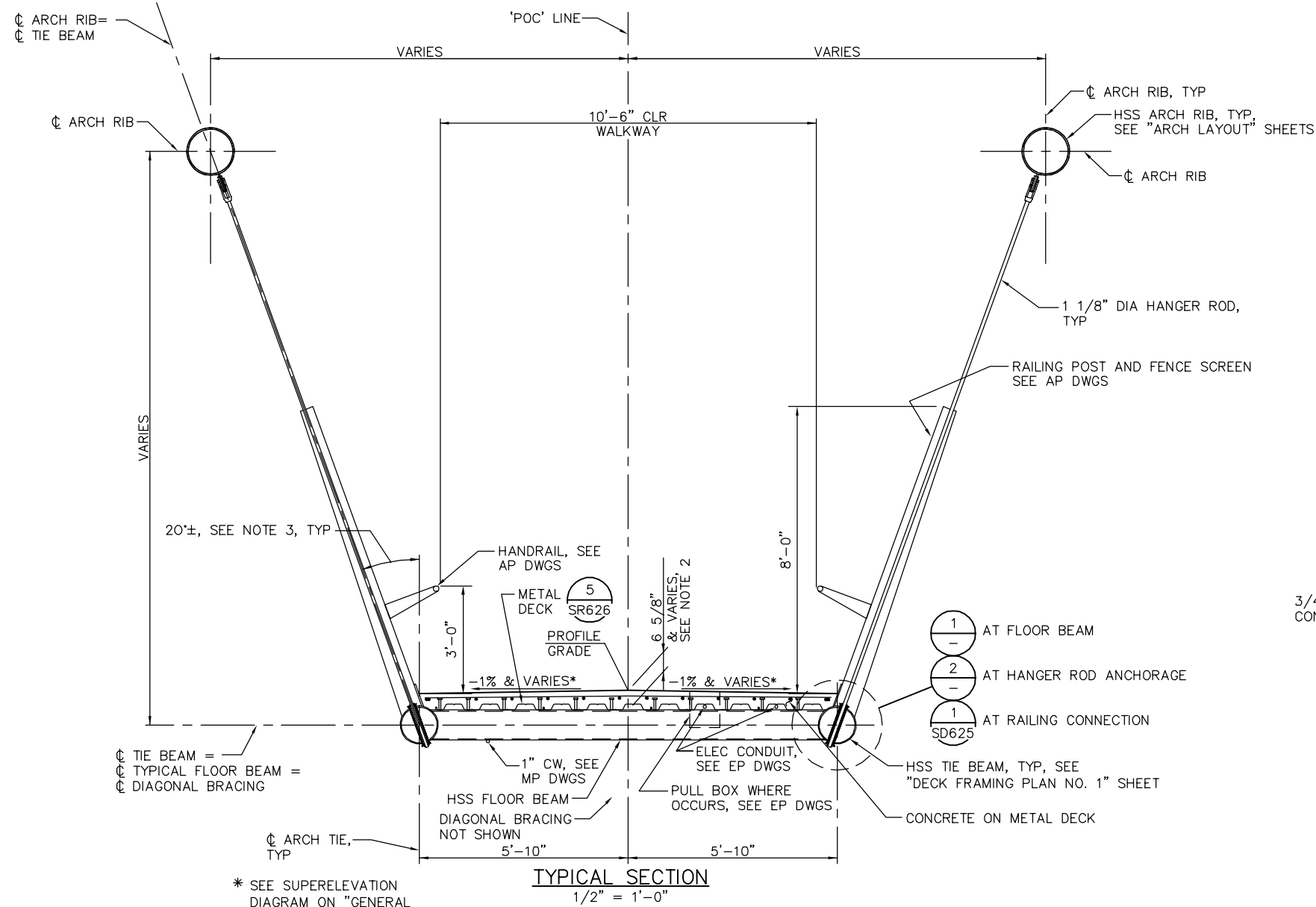
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SUBMITTAL DATE: 06/29/20

SCALE: AS SHOWN
BOARD APPROVAL DATE:

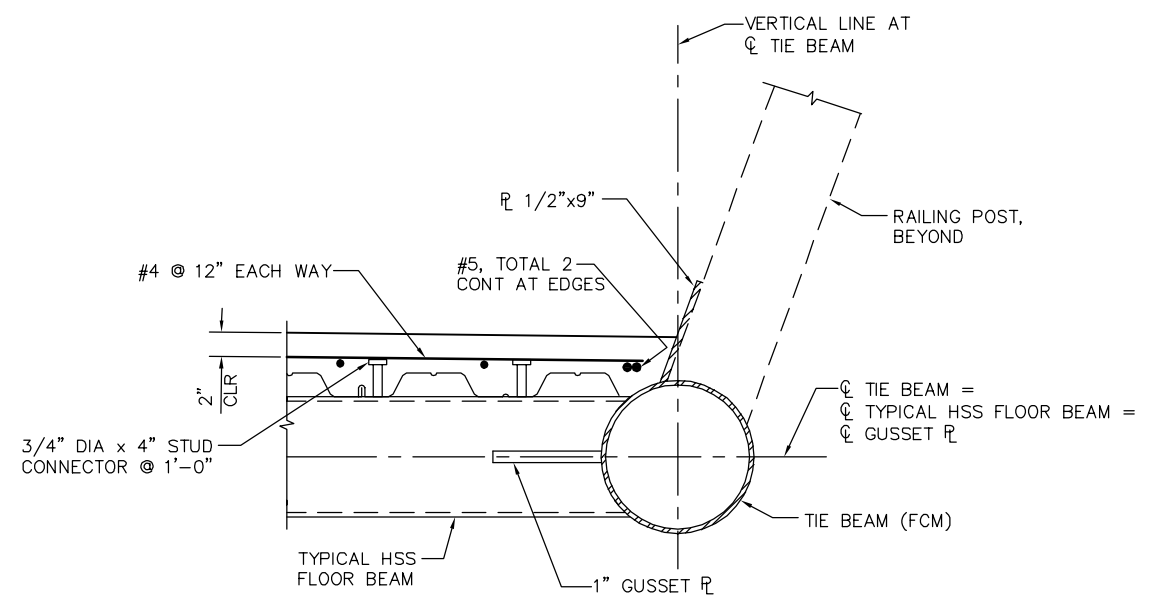
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
STORY STATION POC
DECK FRAMING PLAN No. 2

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

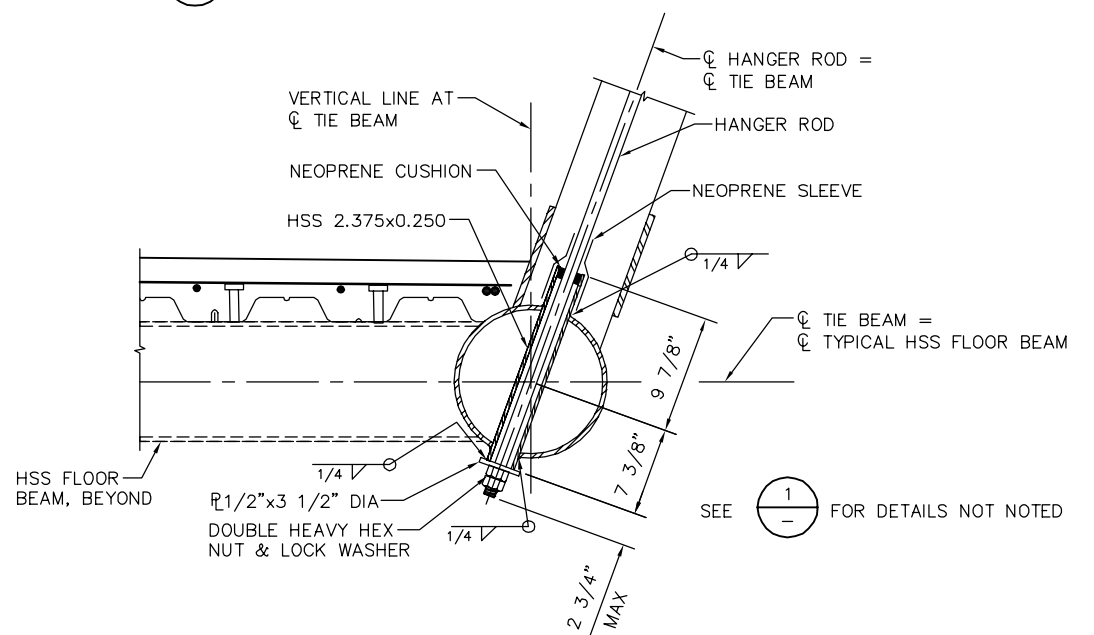
SHEET OF	
DRAWING NO.	SR622
REVISION	B



- NOTES:**
1. LONGITUDINAL DECK REINFORCEMENT MUST BE POSITIONED OVER LOW FLUTES OF METAL DECK.
 2. DECK THICKNESS AT PROFILE GRADE VARIES BETWEEN WORK POINTS 103 AND 203. SEE "ARCH LAYOUT" SHEETS FOR WORK POINT LOCATIONS.
 3. ANGLE SHOWN IS MEASURED PERPENDICULAR TO TIE BEAM AXIS. SEE "ARCH LAYOUT" SHEETS FOR ARCH RIB AND HANGER LAYOUT.



1 FLOOR BEAM DETAIL
1 1/2" = 1'-0"



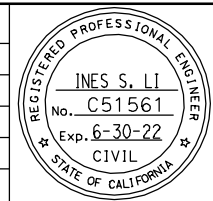
2 THREADED ROD ANCHORAGE
1 1/2" = 1'-0"

* SEE SUPERELEVATION DIAGRAM ON "GENERAL NOTES" SHEET FOR DETAILS

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 23, 2020 - 9:08am W:\2017\2017103\CAPITOL_STORY_PO_C\801SR623.dwg

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. ROSELLINI
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR623.dwg



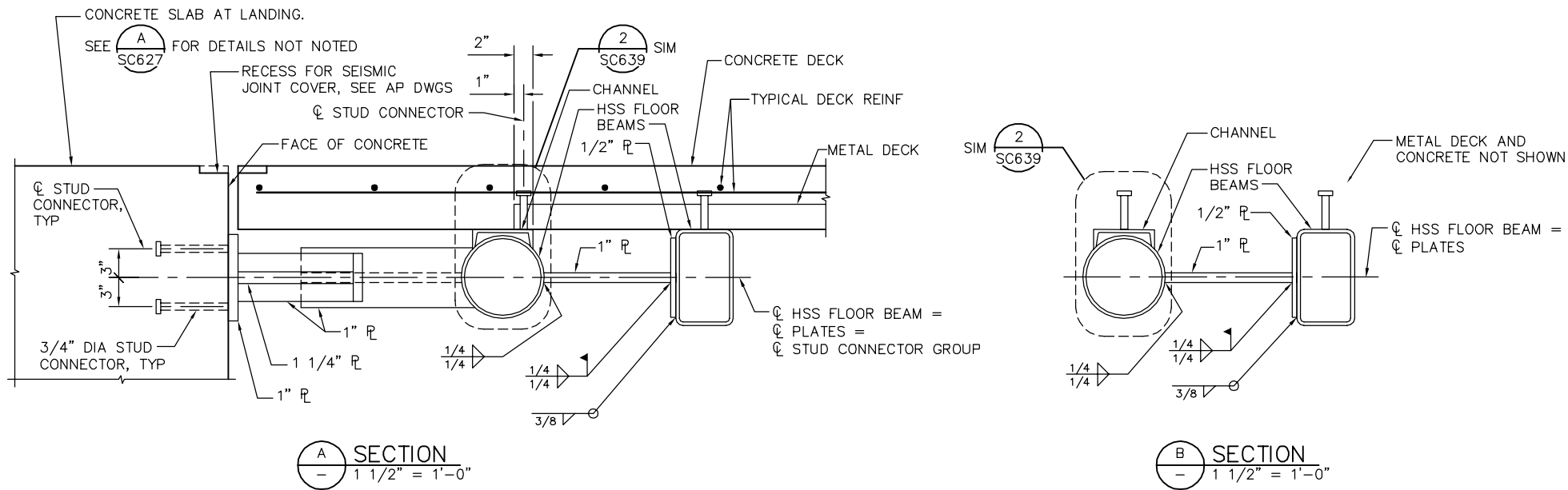
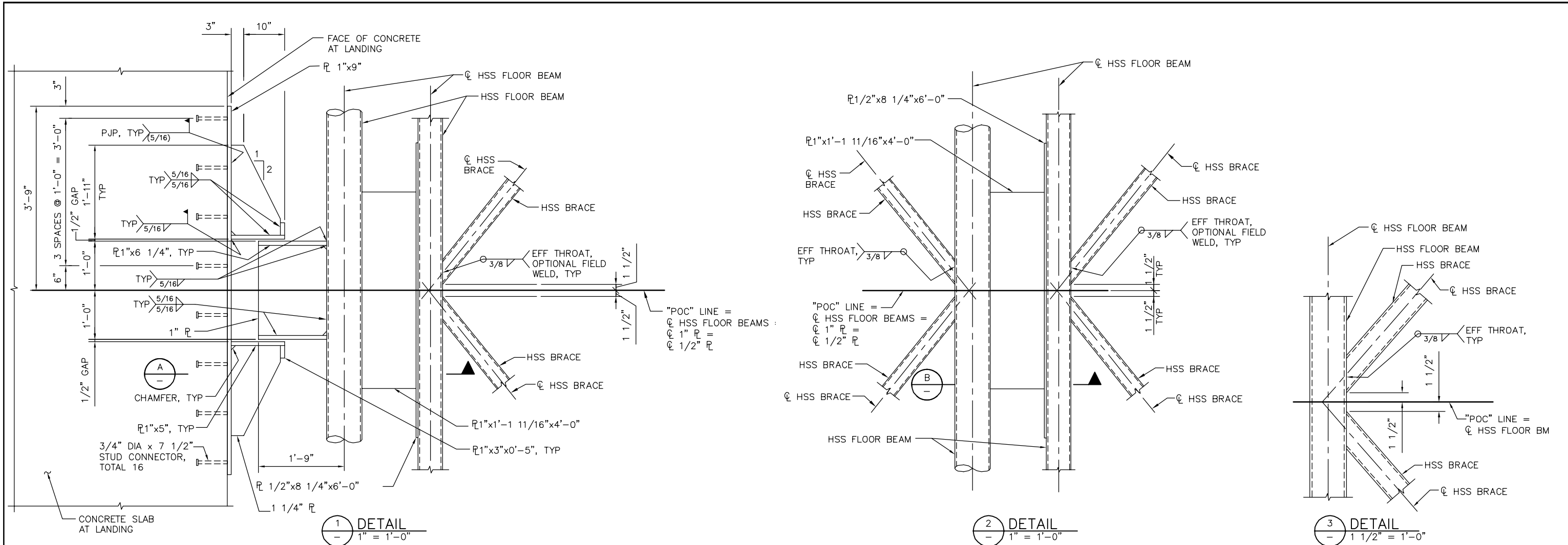
APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/23/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
STORY STATION POC
TYPICAL SECTION

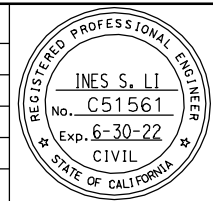
PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: - PROJECTWISE

SHEET OF	
DRAWING NO.	SR623
REVISION	B



PLAN CHECK SET/NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS
B	06/20	95% SUBMITTAL SET
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5315

DESIGNED: D. ROSELLINI
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SR625.dwg

Santa Clara Valley
 Transportation
 Authority

APPROVED
BKF100+
 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

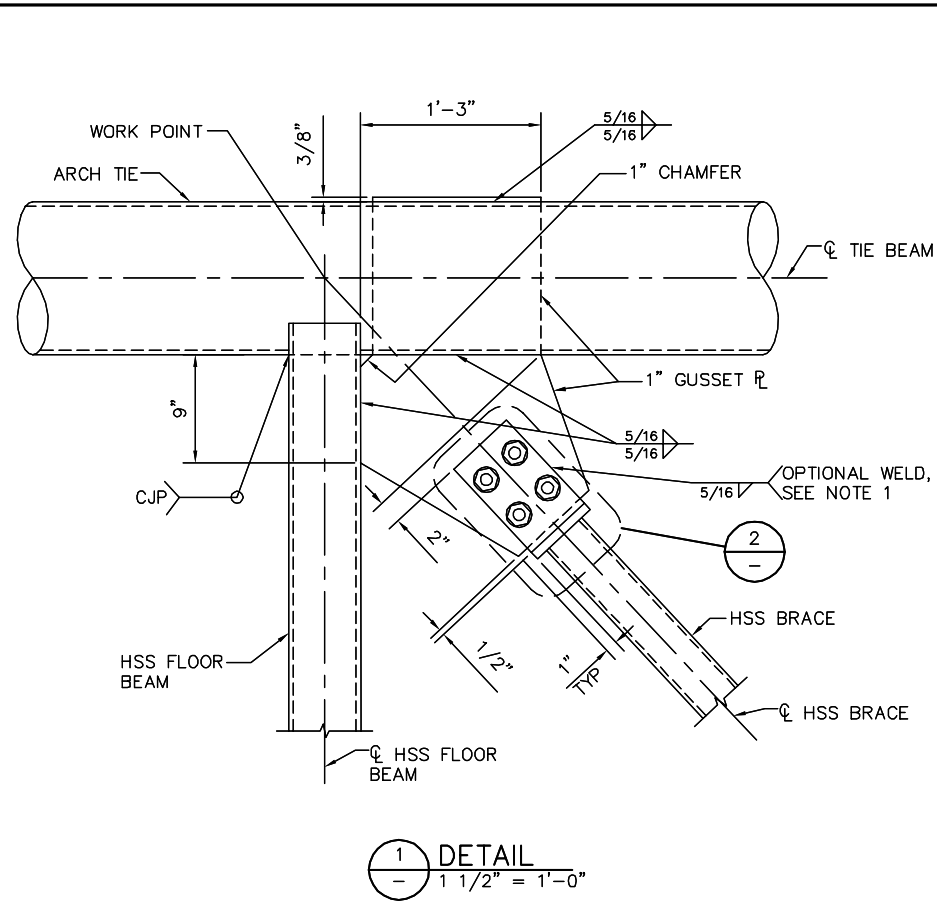
CADD FILE DATE: 06/23/20
 SUBMITTAL DATE: 06/29/20
 SCALE: AS SHOWN
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 STORY STATION POC
 DECK FRAMING DETAILS NO. 1

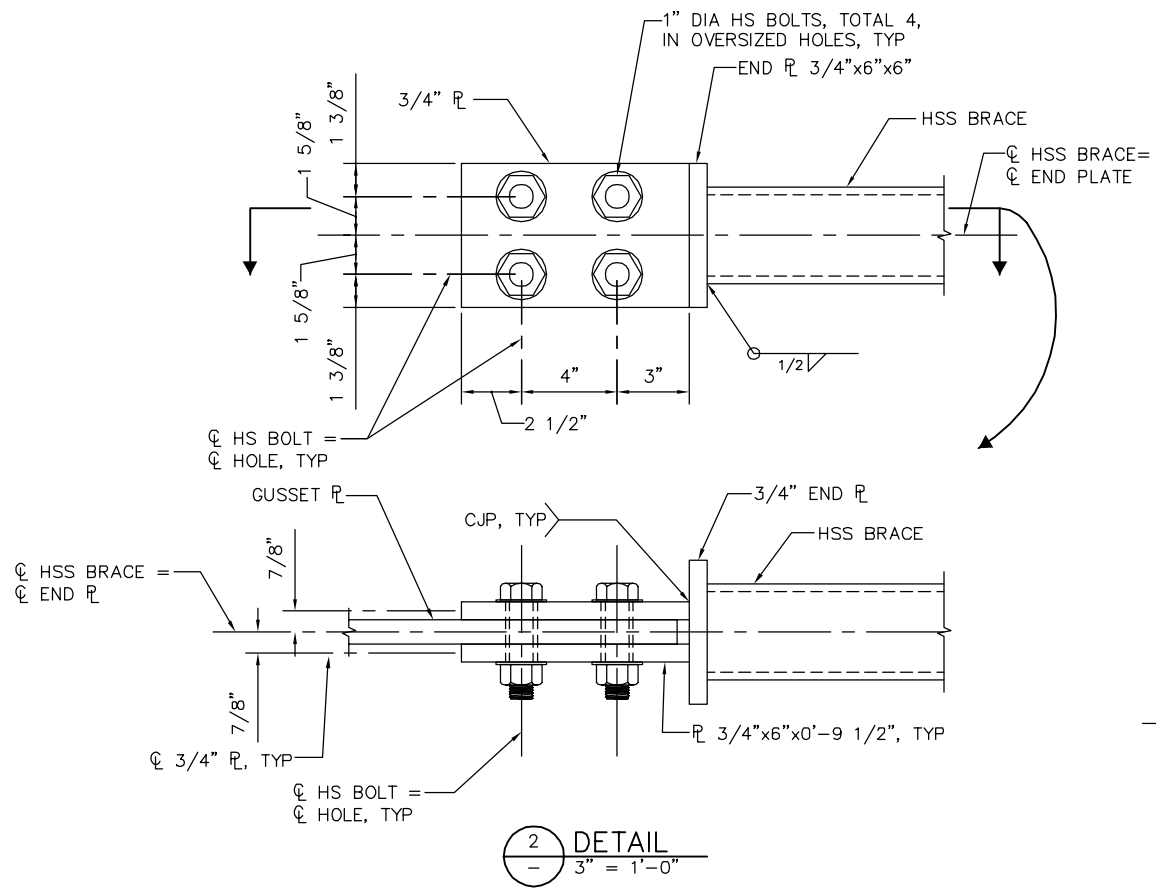
PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: PROJECTWISE

SHEET OF	SR624
DRAWING NO.	SR624
REVISION	B

SMH Jun 23, 2020 - 9:08am W:\2017\2017103\CAPITOL_STORY_POC\801SR625.dwg

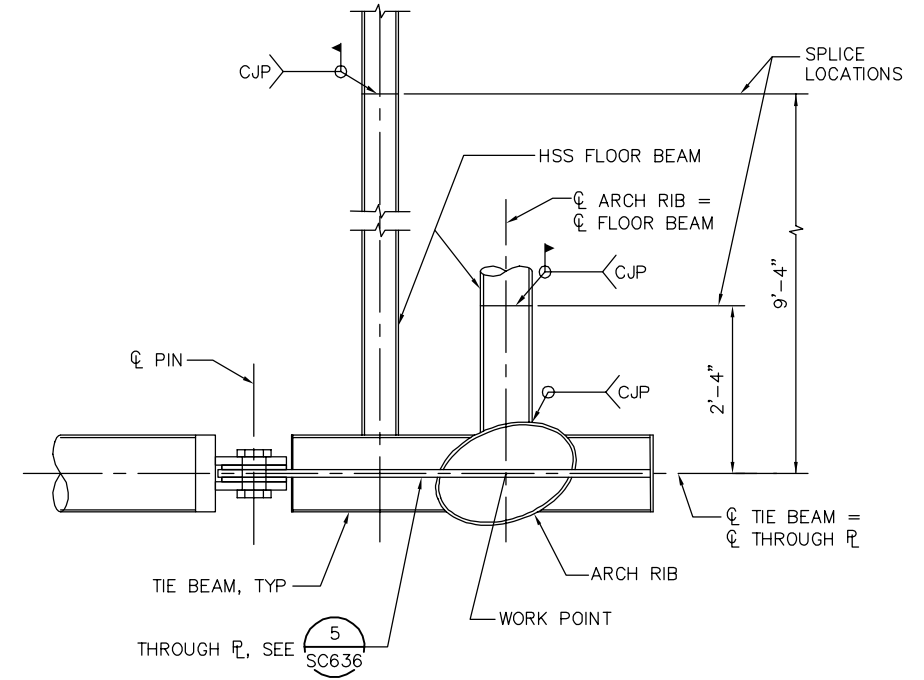


1 DETAIL
1 1/2" = 1'-0"



2 DETAIL
3" = 1'-0"

NOTE:
1. AT CONTRACTOR'S OPTION, 3/4" PLATES MAY BE WELDED TO GUSSET PLATE, FULL LENGTH ON ALL THREE SIDES, IN LIEU OF INSTALLING HS BOLTS. BOLT HOLES MUST BE OMITTED IF WELDED OPTION IS CONSTRUCTED.

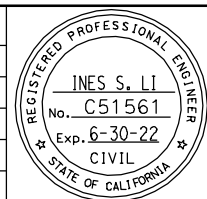


3 DETAIL
3/4" = 1'-0"

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PLAN CHECK SET/NOT FOR CONSTRUCTION

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



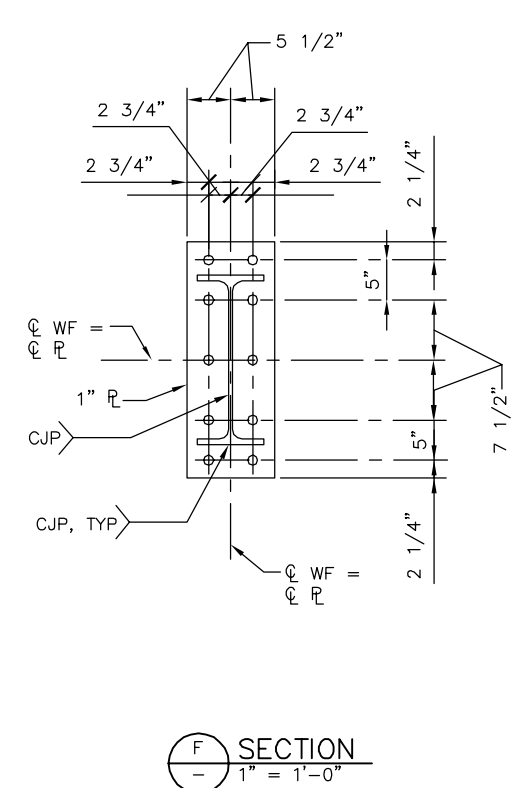
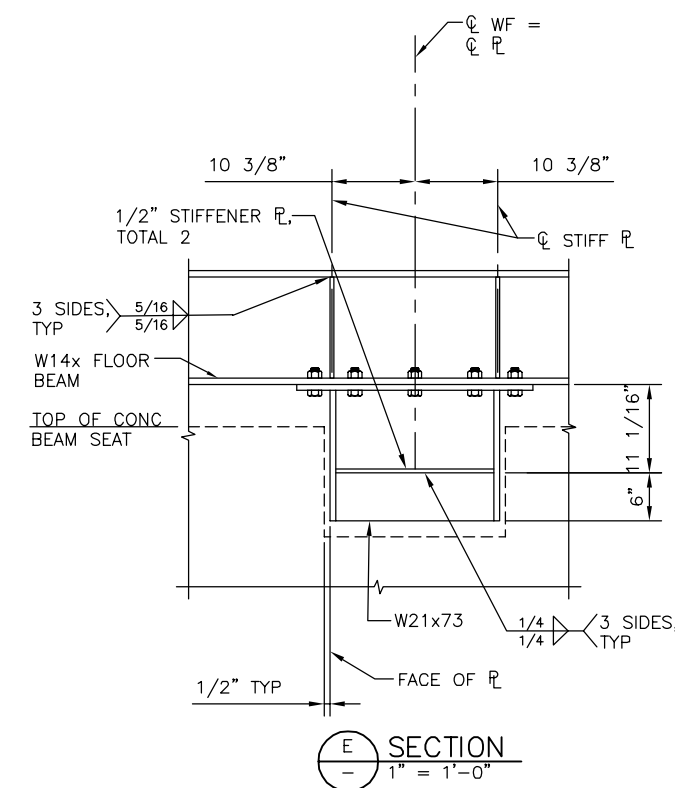
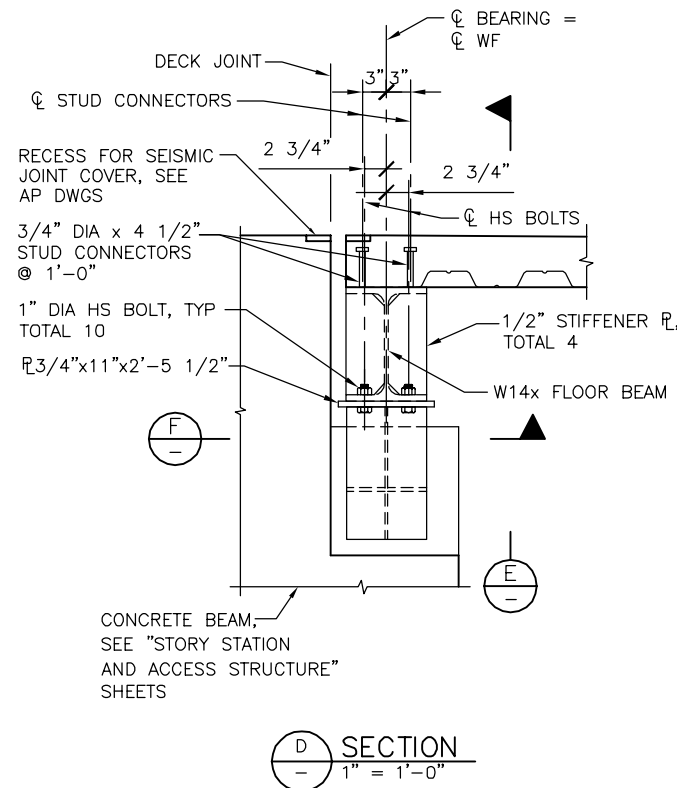
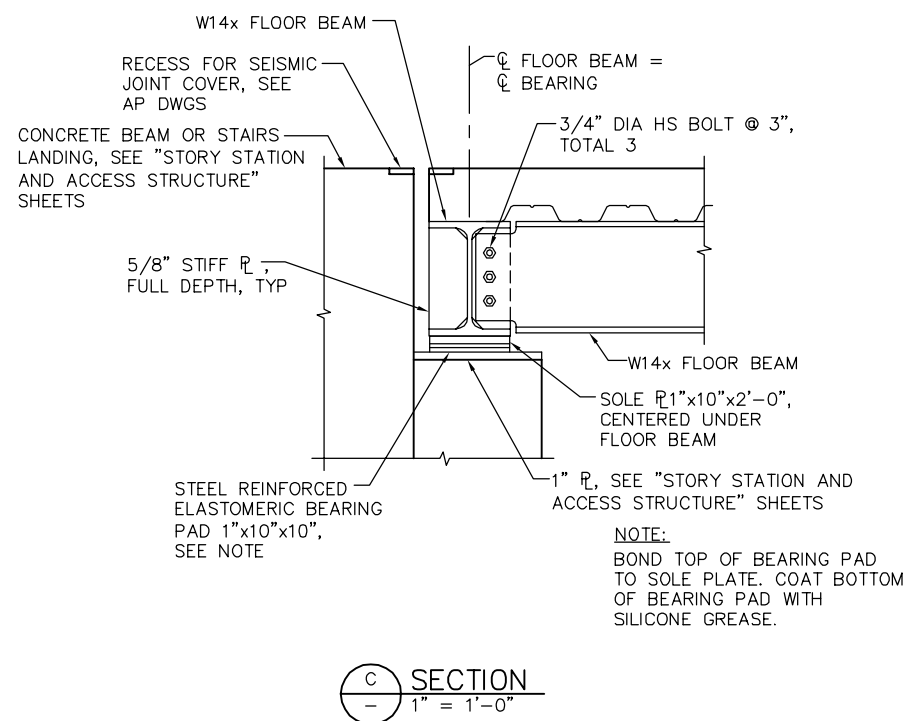
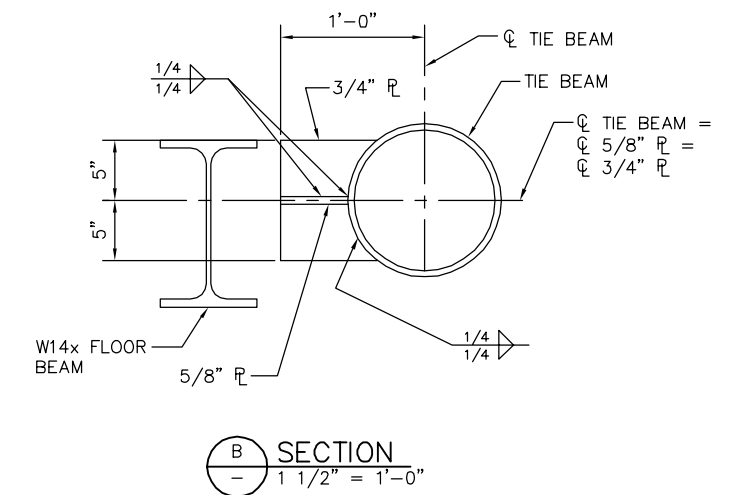
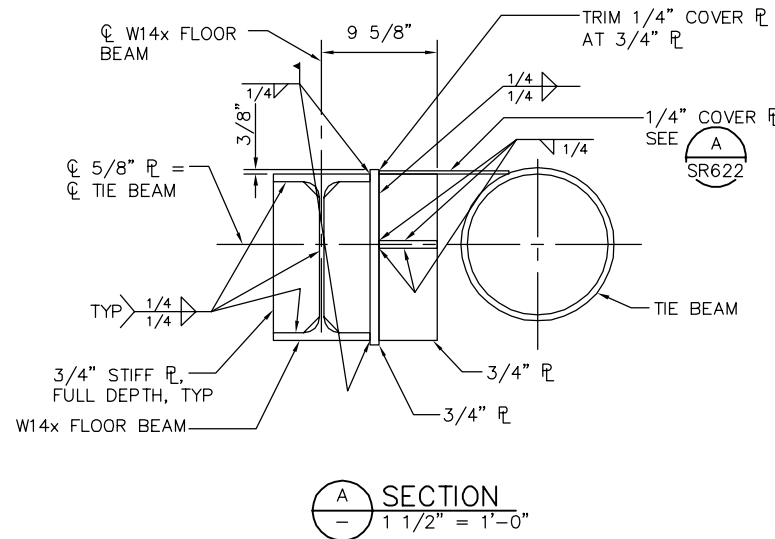
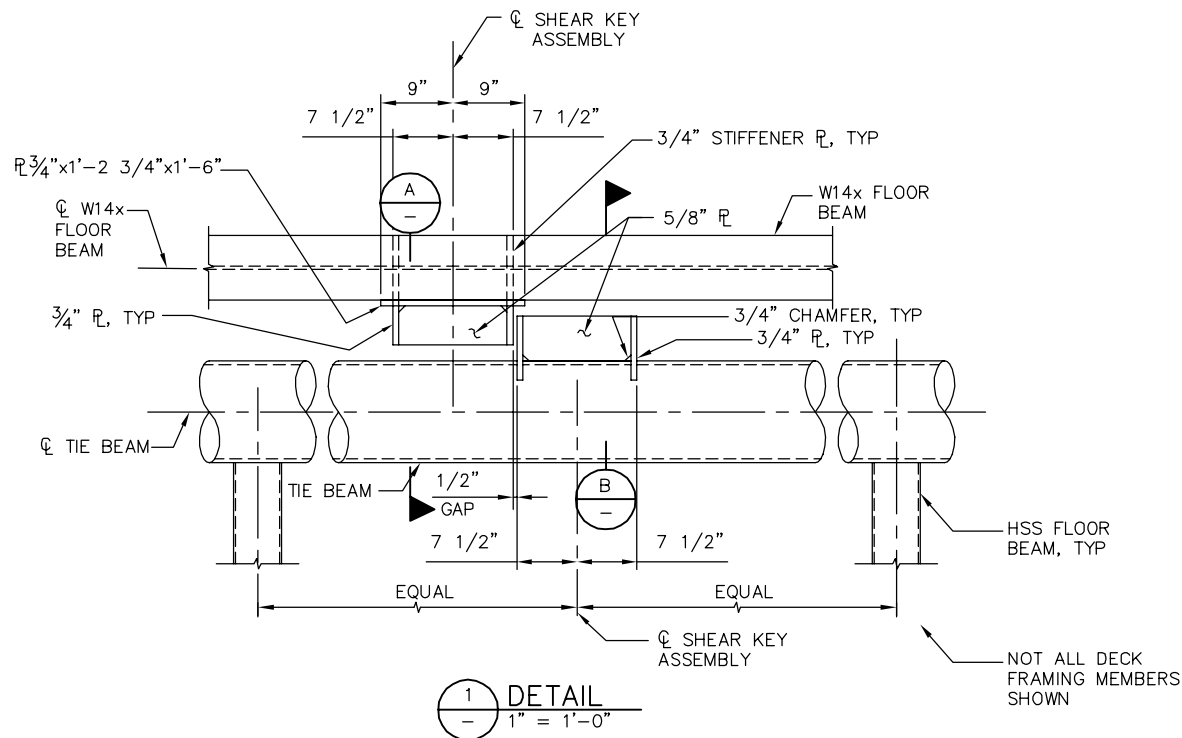
SUBMITTED BIGGS CARDOSA ASSOCIATES INC STRUCTURAL ENGINEERS 865 The Alameda San Jose, California 95128 408-296-5315	
DESIGNED D. ROSELLINI	CHECKED D. DEVLIN
DRAWN S. HICKEY	CADD FILENAME 801SR625.dwg



APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 06/23/20	SCALE AS SHOWN
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION POC DECK FRAMING DETAILS NO. 2		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

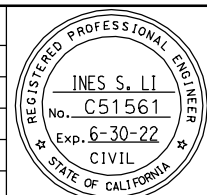
SHEET OF	DRAWING NO. SR625
REVISION A	



PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET

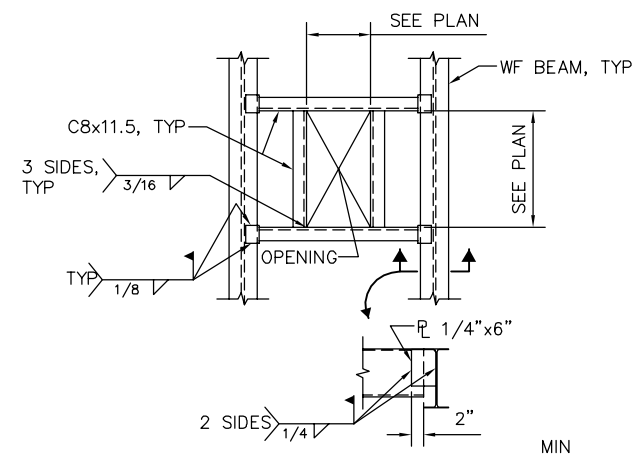


SUBMITTED BIGGS CARDOSA ASSOCIATES INC STRUCTURAL ENGINEERS 865 The Alameda San Jose, California 95128 408-296-5315	
DESIGNED D. ROSELLINI	CHECKED D. DEVLIN
DRAWN S. HICKEY	CADD FILENAME 801SR626.dwg



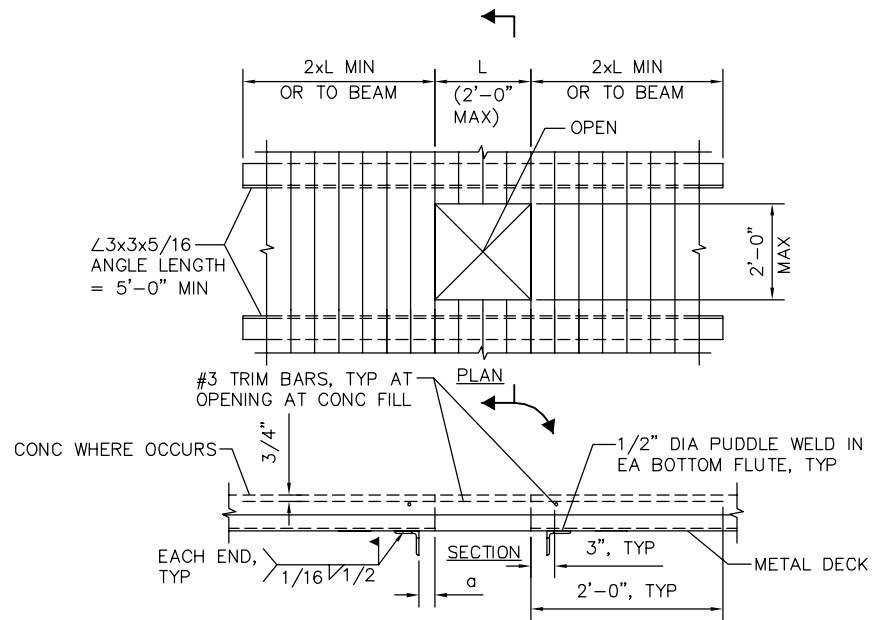
APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 06/23/20	SCALE AS SHOWN
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION POC DECK FRAMING DETAILS NO. 3		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE
SHEET OF DRAWING NO. SR626		REVISION A



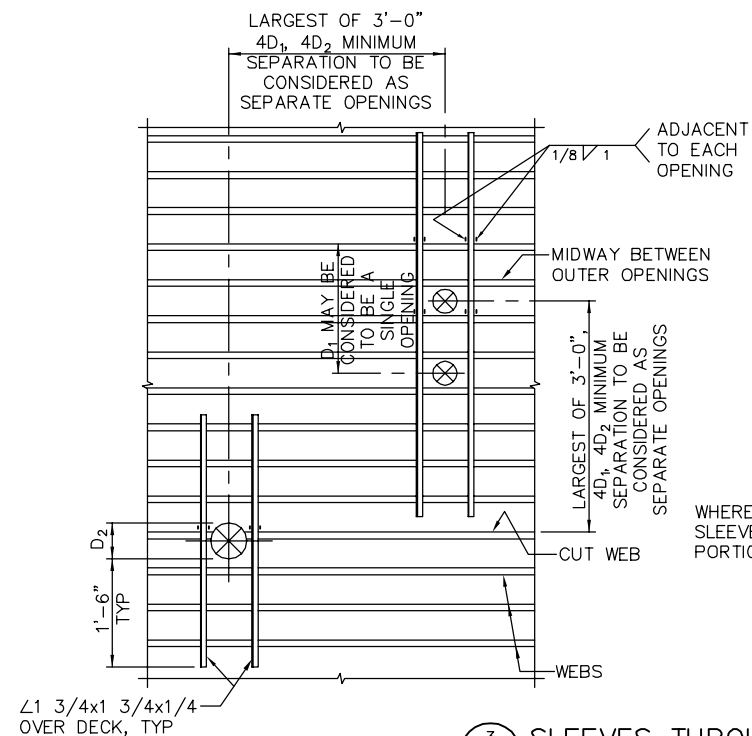
NOTE: WHERE CONCRETE TOPPING SLAB OCCURS, PROVIDE #5 TRIM BARS, TYP AT SIDES OF OPENING THUS:

1 FRAMED DECK OPENING
3/4" = 1'-0"



NOTE: THESE OPENINGS ARE NOT SHOWN ON FRAMING PLANS. $a = 2"$ TYP, ADJACENT $L3 \times 3$ MAY BE OMITTED WHERE DISTANCE " a " TO A BEAM FLANGE IS 8" OR LESS.

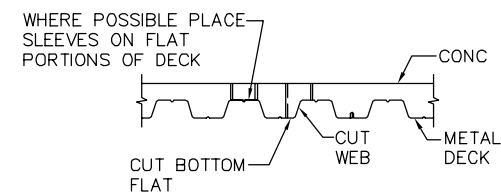
2 FRAMED DECK OPENING
1" = 1'-0"



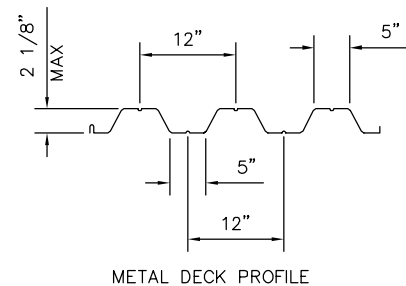
NOTES:
1. OPENINGS D1 OR D2 SHALL EACH CUT NO MORE THAN 1 WEB AND 1 BOTTOM FLAT.
2. SINGLE OPENINGS SEPARATED BY LESS THAN THE MINIMUM SEPARATION SHOWN, WITH MORE THAN TWO DIFFERENT WEBS CUTS, SHALL BE REINFORCED AS A



3. A SINGLE OPENING THAT CUTS ONLY ONE WEB NEEDS NO REINFORCING.
4. DEVIATION FROM THIS DETAIL REQUIRES STRUCTURAL ENGINEER APPROVAL.
5. REMOVE DECK AT SLEEVES AFTER CONCRETE TOPPING HAS CURED 7 DAYS MIN.



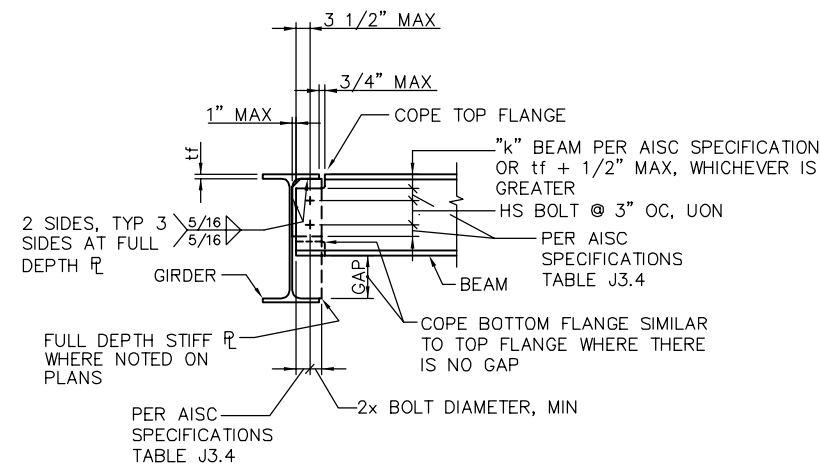
3 SLEEVES THROUGH METAL DECK
3/4" = 1'-0"



METAL DECK NOTES:
1. METAL DECK MUST CONFORM TO THE TABULATED MINIMUM SECTION PROPERTIES.
2. DECKING MUST BE WELDED TO SUPPORTS AS FOLLOWS:
- TRANSVERSE SUPPORTS: 3/4" DIA STUD CONNECTORS, 4 MIN PER 36" WIDE SHEET (36/4 PATTERN).
- PARALLEL SUPPORTS: 3/4" DIA STUD CONNECTORS @ 1'-0" SPACING, UON.
- SIDE SEAMS: BUTT PUNCHED AT 12 INCHES MAX
3. METAL DECK MUST BEAR A MINIMUM OF 2 INCHES ON SUPPORTING MEMBERS.
4. DECK FLUTES MUST RUN PERPENDICULAR TO SUPPORTING MEMBERS, UNLESS OTHERWISE NOTED.

MINIMUM SECTION PROPERTIES			
GAGE	MOMENT OF INERTIA	SECTION MODULUS AT YIELD STRENGTH (POSITIVE BENDING)	SECTION MODULUS AT YIELD STRENGTH (NEGATIVE BENDING)
	I_g in ⁴ /ft	S_{e+} in ³ /ft	S_{e-} in ³ /ft
18	0.560	0.468	0.480

4 METAL DECK PROPERTIES
NO SCALE

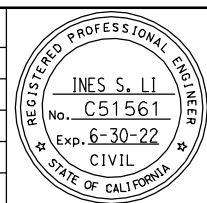


5 TYPICAL SINGLE PLATE CONNECTION
1" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
A	03/19	65% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. ROSELLINI
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SR627.dwg



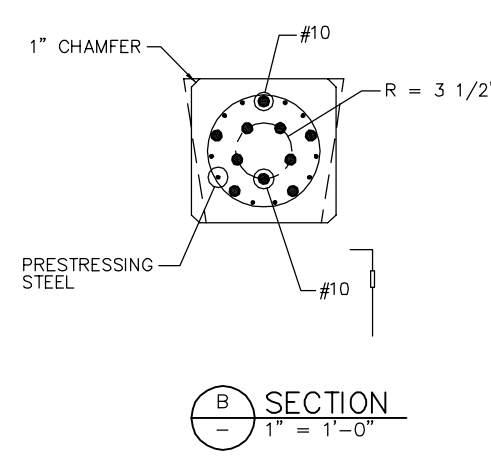
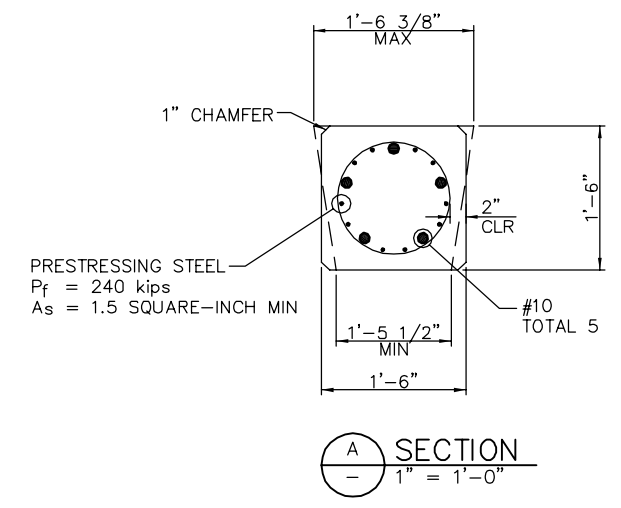
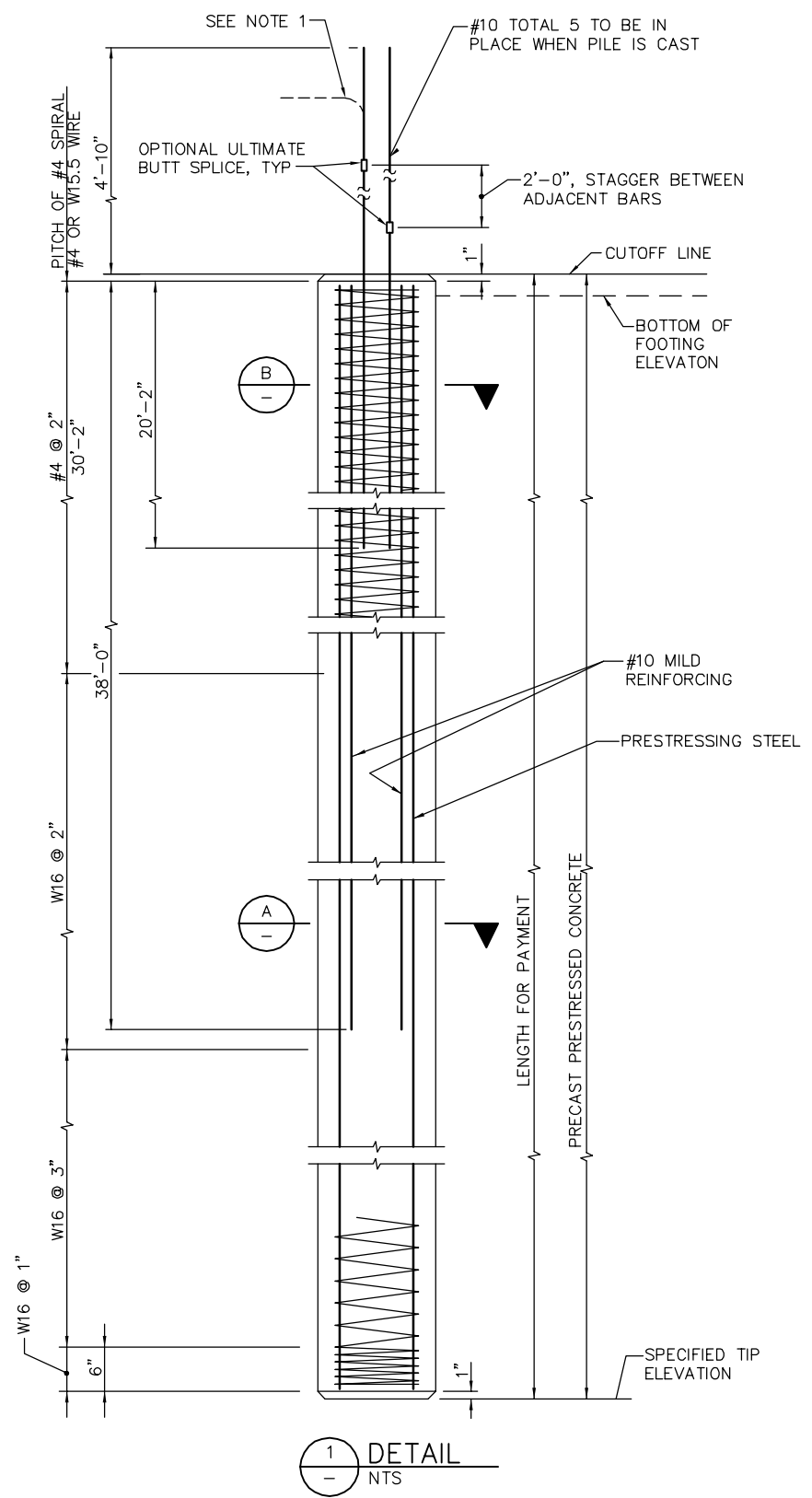
APPROVED

CADD FILE DATE: 06/23/20
SCALE: 1/4" = 1'-0"
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
STORY STATION POC
DECK FRAMING DETAILS NO. 4

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: PROJECTWISE

SHEET	OF
DRAWING NO. SR627	REVISION A



1 DETAIL
NTS

GENERAL PILE NOTES:

1. PILE REINFORCEMENT EXTENDING INTO A FOOTING SHALL BE HOOKED AS REQUIRED TO PROVIDE CLEARANCE TO TOP OF FOOTING.
2. LAP SPLICES IN SPIRAL PILE REINFORCEMENT SHALL BE LAPPED 80 WIRE DIAMETERS MINIMUM. SPIRAL PILE REINFORCEMENT AT SPLICES AND AT ENDS SHALL BE TERMINATED BY A 135° HOOK WITH 6" TAIL HOOKED AROUND A LONGITUDINAL BAR OR STRAND.
3. 2" CLEARANCE TO SPIRAL REINFORCEMENT SHALL BE MAINTAINED IF SECTION USED IS LARGER THAN THE MINIMUM SECTION SHOWN.
4. MAXIMUM CUT-OFF LENGTH AT THE TOP OF THE PILES IS 10'-0".

DESIGN NOTES

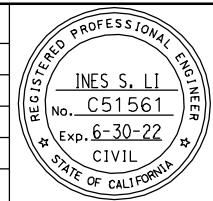
DESIGN LOADING:
SEE PILE DATA TABLES ON 'FOUNDATION PLAN' SHEETS

PRECAST PRESTRESSED PILES
 P_f = PRESTRESSED FORCE (AFTER LOSSES)
 CONCRETE STRENGTH f'_c @ 28 DAYS = 7 ksi
 f_{ci} @ TRANSFER = 4 ksi

PLAN CHECK SET/NOT FOR CONSTRUCTION

SMH Jun 23, 2020 - 9:09am W:\2017\2017103\CAPITOL_STORY_POC\801SD623.dwg

NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5515

DESIGNED: D. ROSELLINI
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SD623.dwg

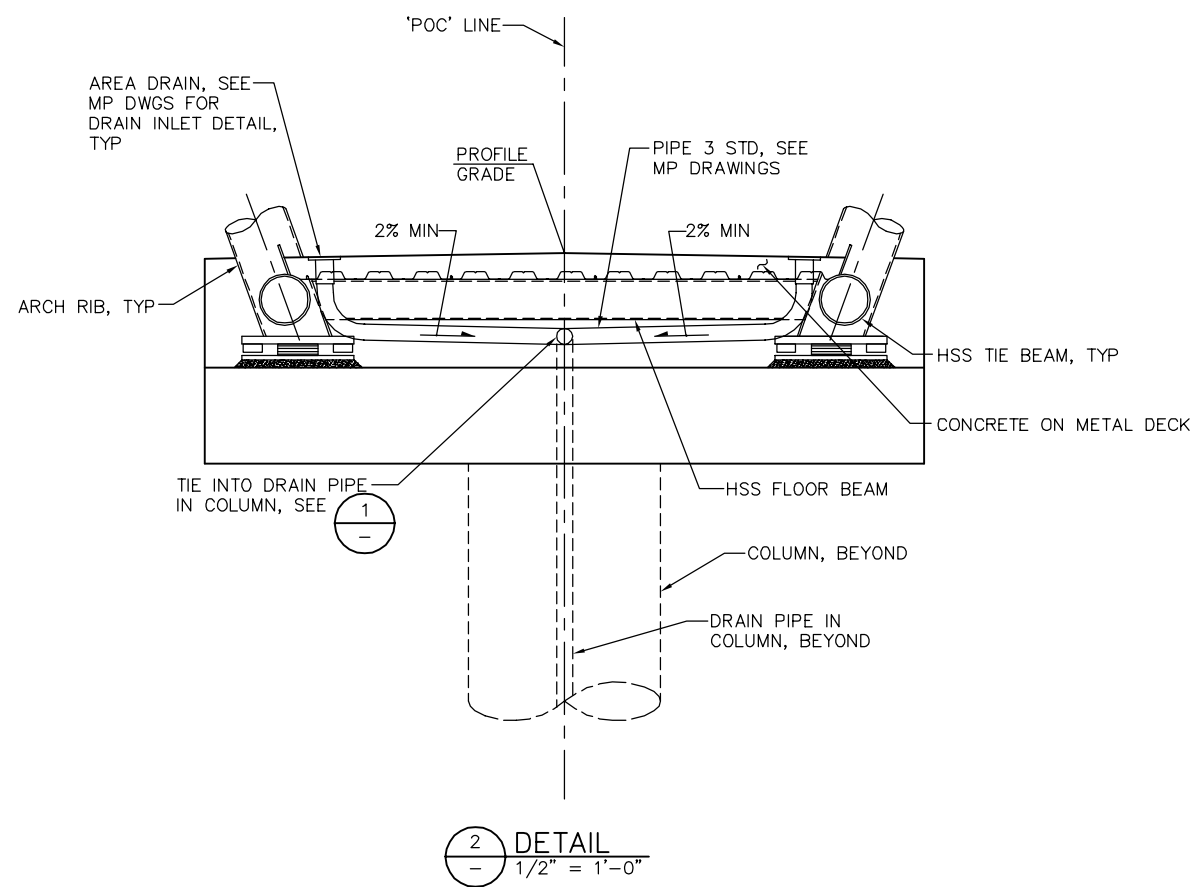
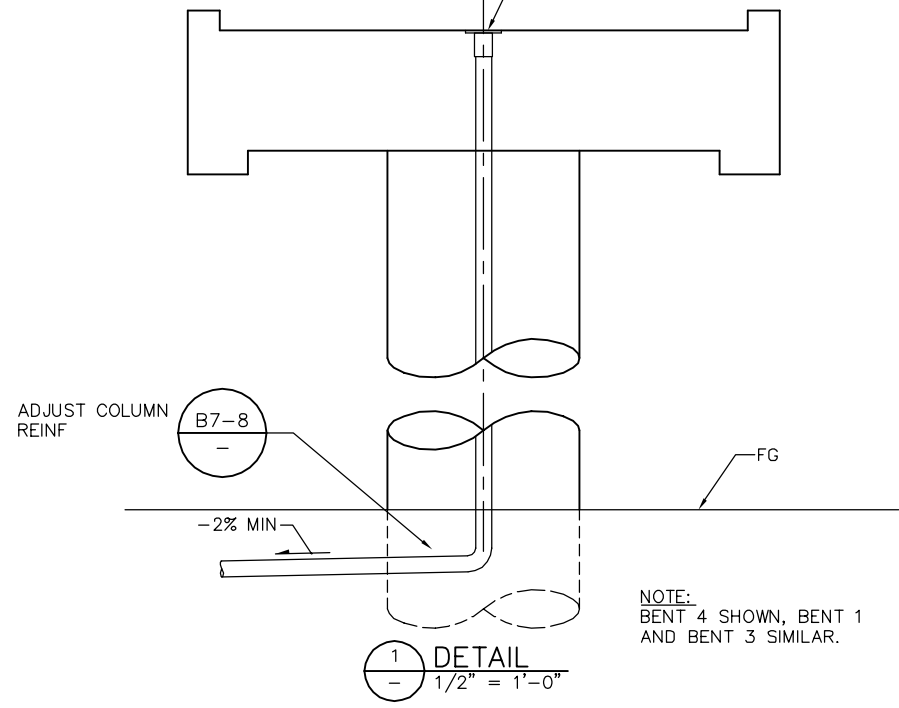
Santa Clara Valley
Transportation
Authority

APPROVED

CADD FILE DATE: 06/23/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL STORY STATION POC PILE DETAILS		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE
SHEET OF	DRAWING NO. SD623	REVISION A

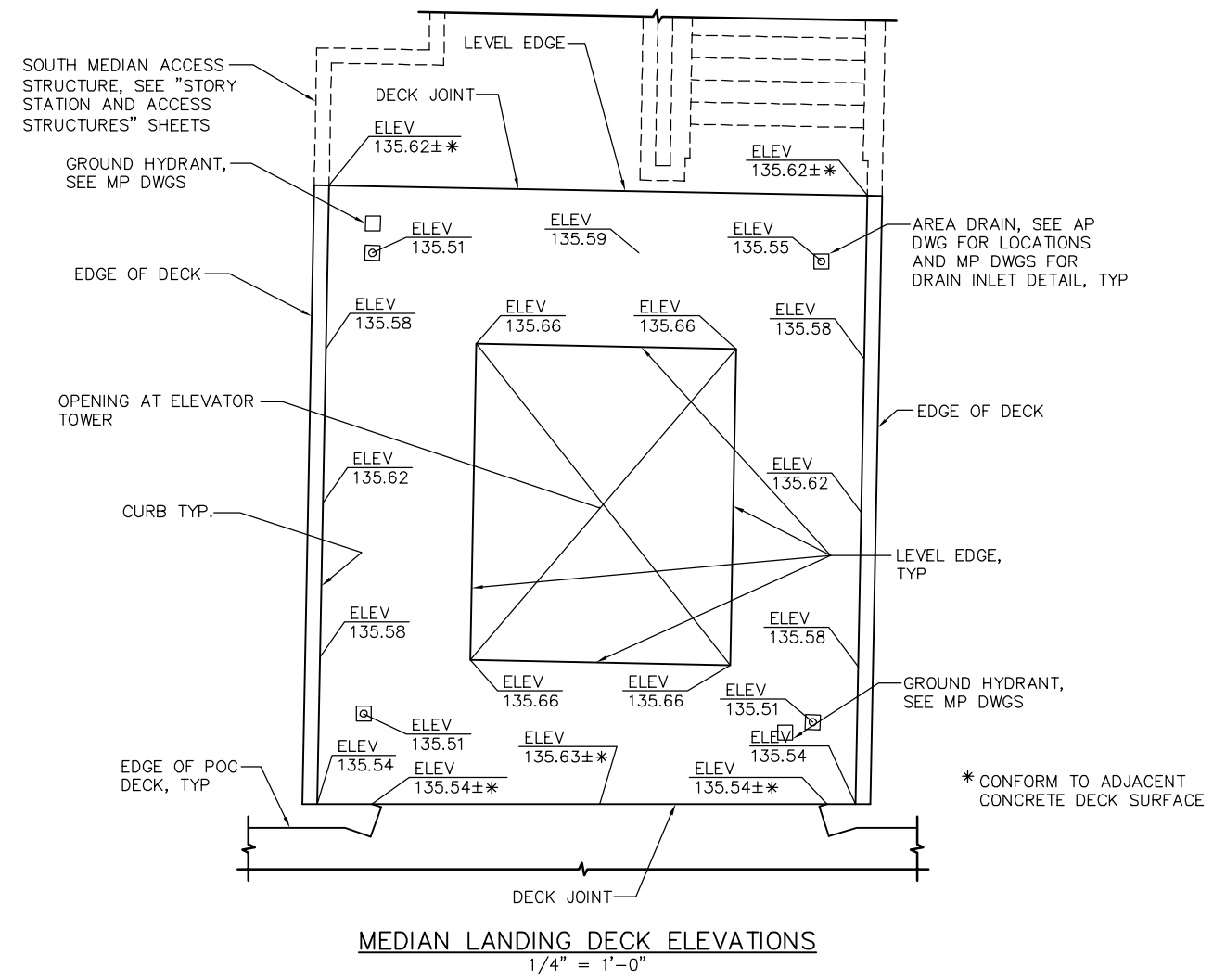
"POC" LINE =
 C COLUMN =
 C DECK DRAIN



DECK DRAIN	DETAIL	OUTFALL DIRECTION
0.00' Rt "POC" 1+16.04	"DETAIL 1"	NORTH FACE
5.00' Lt "POC" 1+28.01	"DETAIL 2"	N/A
5.00' Rt "POC" 1+28.01	"DETAIL 2"	N/A
5.00' Lt "POC" 2+81.22	"DETAIL 2"	N/A
5.00' Rt "POC" 2+81.22	"DETAIL 2"	N/A
5.00' Rt "POC" 3+22.67	"DETAIL 1"	NORTH FACE
5.00' Rt "POC" 2+95.00	"DETAIL 1"	NORTH FACE

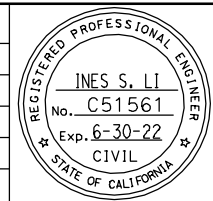
LEGEND:
 □ INDICATES FLOOR DRAIN, SEE MP DWGS

- NOTES:
- ALL PIPE TO BE PIPE 4 STD, EXCEPT AS NOTED, AND GALVANIZED IF NOT ENCASED IN CONCRETE.
 - FITTINGS AND BENDS MUST HAVE A MINIMUM WALL THICKNESS OF 1/8".
 - ALL JOINTS OR CONNECTIONS TO BE BUTT WELDED OR CONNECTED BY A STEEL PIPE SLEEVE AND TO BE SMOOTH THROUGHOUT INSIDE OF PIPE EXCEPT AS NOTED.
 - ALL BENDS TO BE 0'-10" MINIMUM RADIUS MEASURED ALONG C PIPE. ALL BENDS TO BE SMOOTH.
 - PIPES NOT ENCASED IN CONCRETE TO BE SUPPORTED BY SUITABLE GALVANIZED HANGERS @ 10'-0" MAXIMUM SPACING THROUGHOUT.
 - FINAL DECK DRAIN & PIPE LOCATIONS MAY BE ADJUSTED IN THE FIELD (BY 12" MAX LONGITUDINALLY) TO AVOID CONFLICTS.
 - ELEVATIONS SHOWN ARE TOP OF CONCRETE DECK SURFACE ELEVATIONS, UNLESS NOTED. ELEVATIONS SHOWN AT FLOOR DRAINS ARE TOP OF FLOOR DRAIN SURFACE ELEVATIONS.
 - SEE "CIVIL PLANS" FOR ROCK BLANKET OR OTHER DISSIPATION DEVICES TO BE PLACED UNDER DRAIN OUTLETS.



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NO.	DATE	REVISIONS
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SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5515

DESIGNED: D. ROSELLINI
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SD624.dwg



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BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/23/20
 SCALE: AS SHOWN
 SUBMITTAL DATE: 06/29/20
 BOARD APPROVAL DATE:

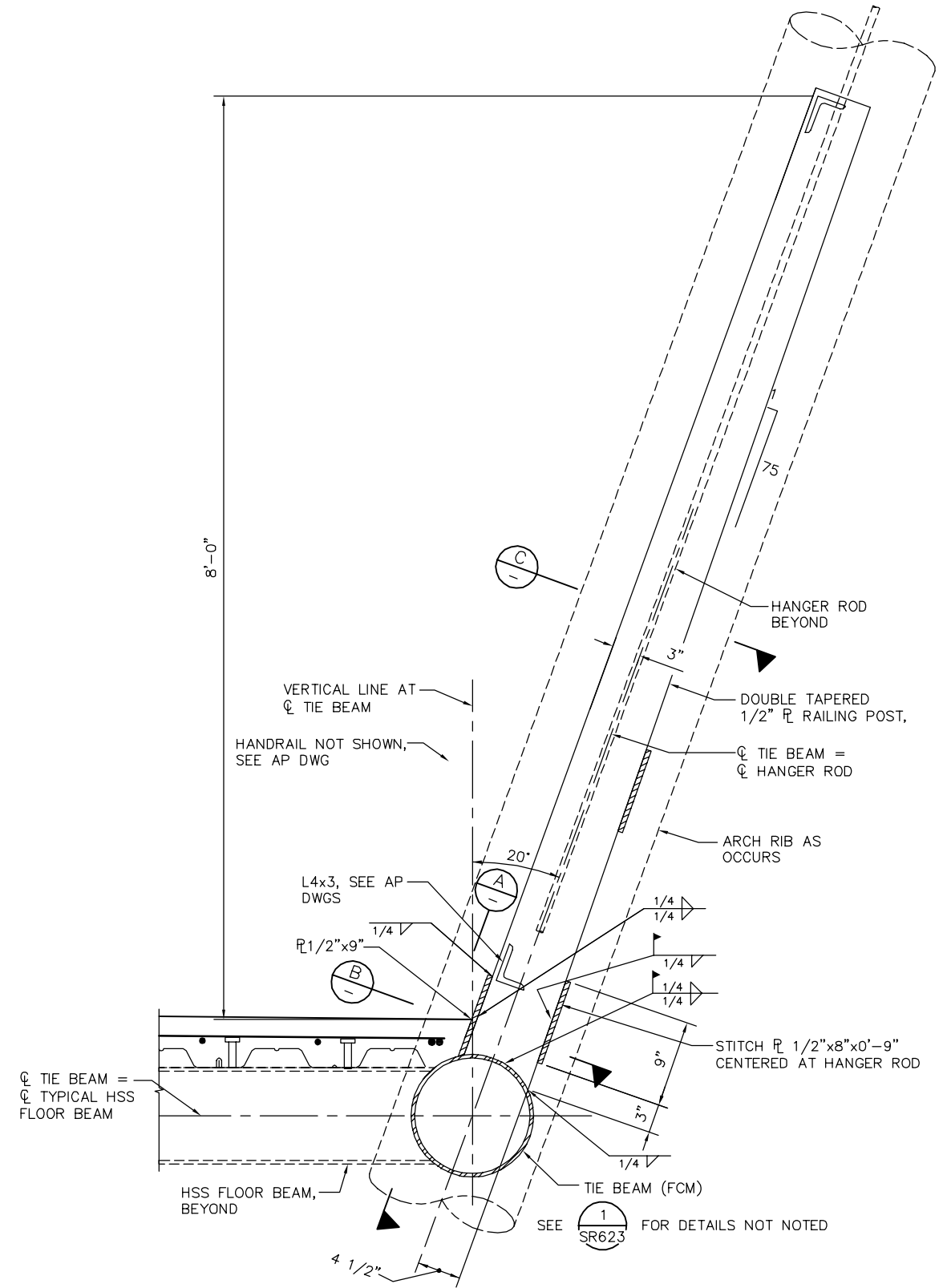
PLAN CHECK SET/NOT FOR CONSTRUCTION

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 STORY STATION POC
 DECK DRAINAGE DETAILS

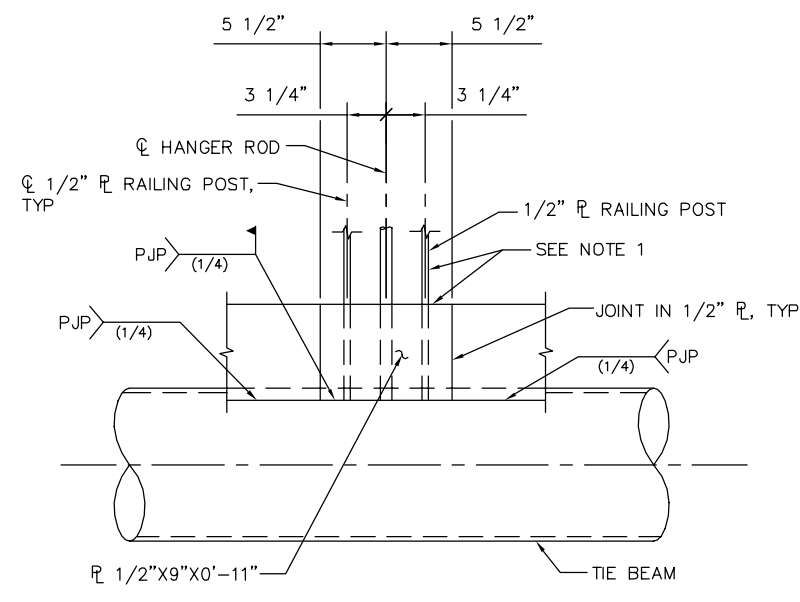
PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: - PROJECTWISE

SHEET	OF
DRAWING NO. SD624	REVISION

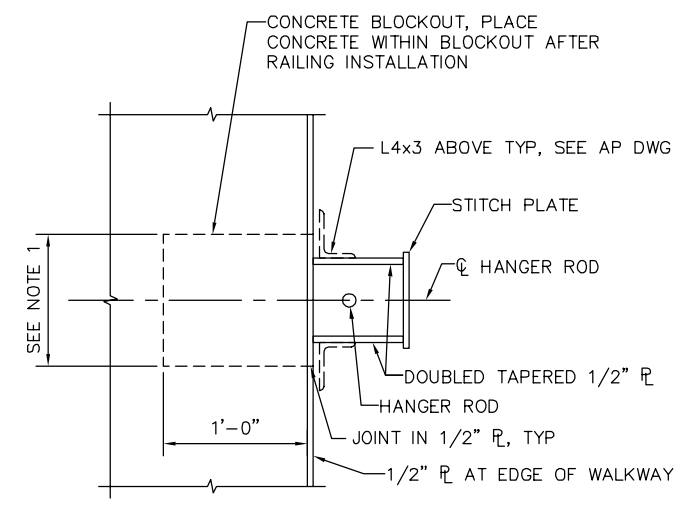
NOTE:
 1. PLACE CONCRETE DECK EXCEPT FOR CONCRETE WITHIN BLOCKOUT PRIOR TO INSTALLATION OF RAILING POST AND $\frac{1}{2}$ "x9"x0'-11".



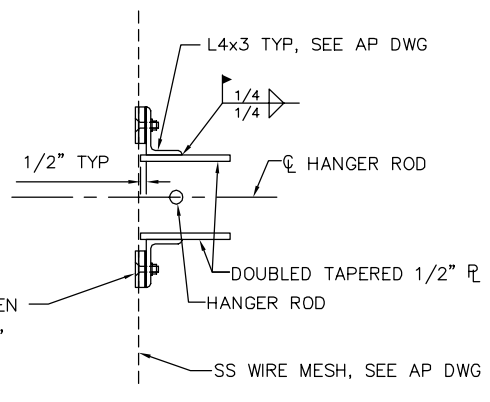
1 RAILING CONNECTION DETAIL
 - 1 1/2" = 1'-0"



A SECTION
 - 1 1/2" = 1'-0"



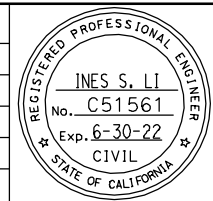
B SECTION
 - 1 1/2" = 1'-0"



C SECTION
 - 1 1/2" = 1'-0"

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SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5515

DESIGNED: D. ROSELLINI
 CHECKED: D. DEVLIN
 DRAWN: S. HICKEY
 CADD FILENAME: 801SD625.dwg



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 YEARS
 ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 06/23/20
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SCALE: AS SHOWN
 BOARD APPROVAL DATE:

PLAN CHECK SET/NOT FOR CONSTRUCTION

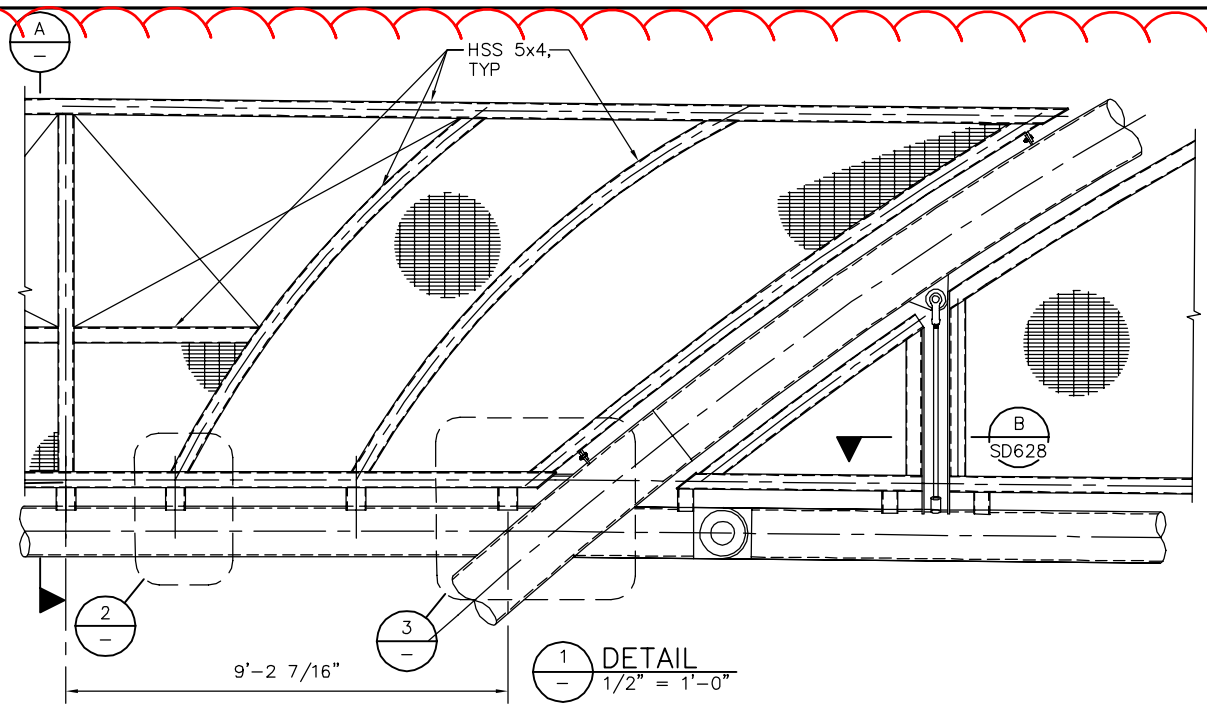
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 STORY STATION POC
 RAILING DETAILS No. 1

PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION: - PROJECTWISE

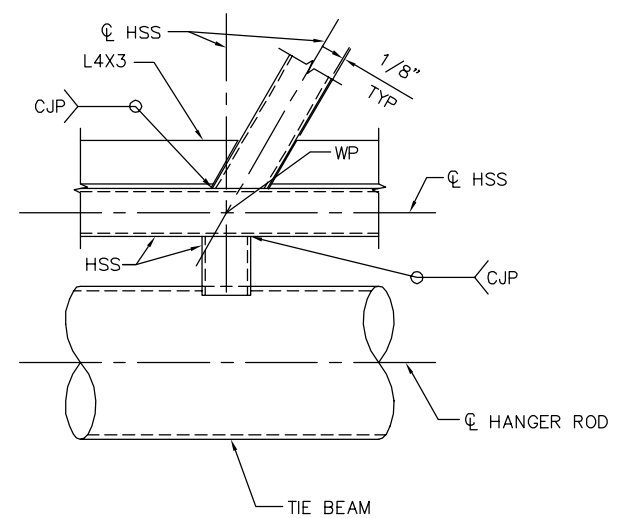
SHEET	OF
DRAWING NO.	SD625
REVISION	A

POC railing connection details to be finalized

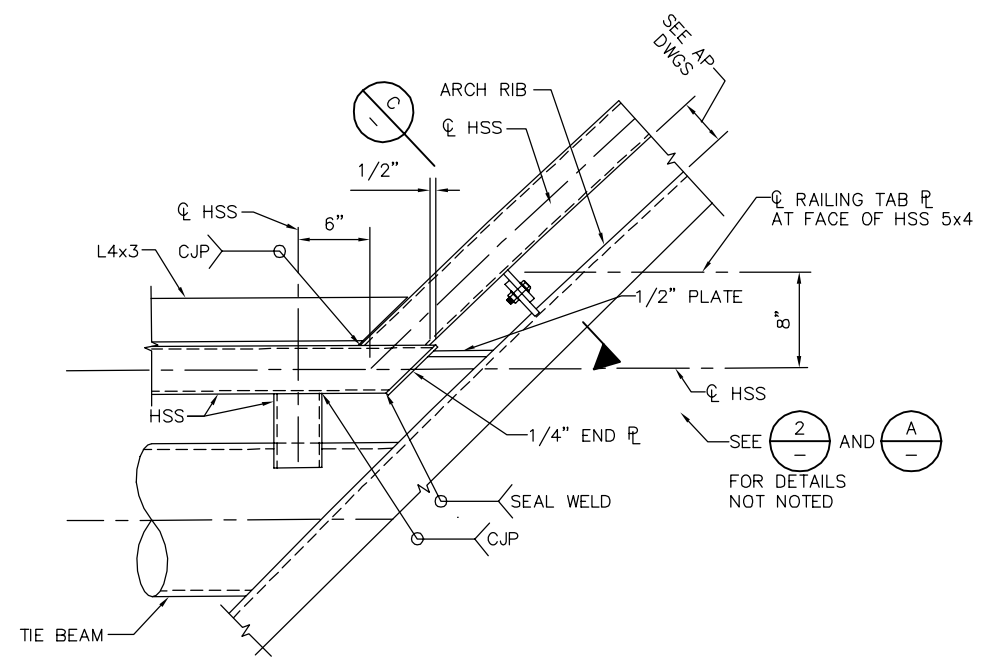
NOTES:
1. LONGITUDINAL DECK REINFORCEMENT MUST BE POSITIONED OVER LOW FLUTES OF METAL DECK.



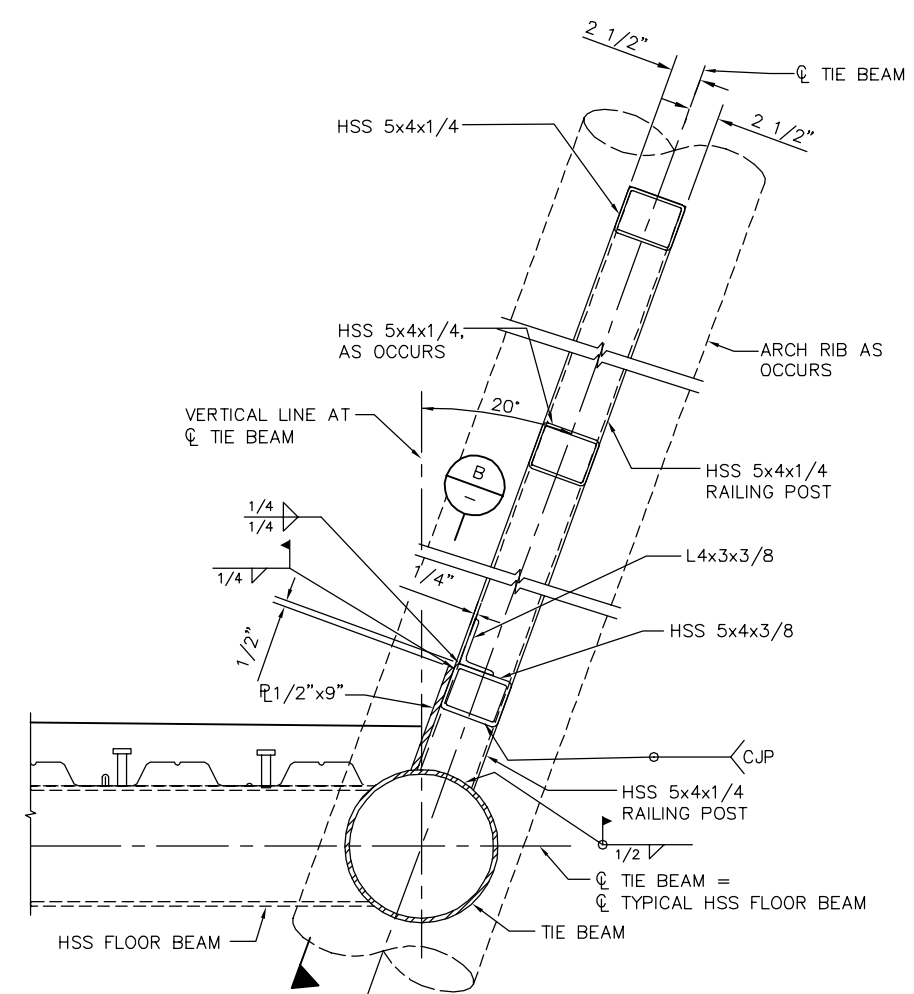
1 DETAIL
1 1/2" = 1'-0"



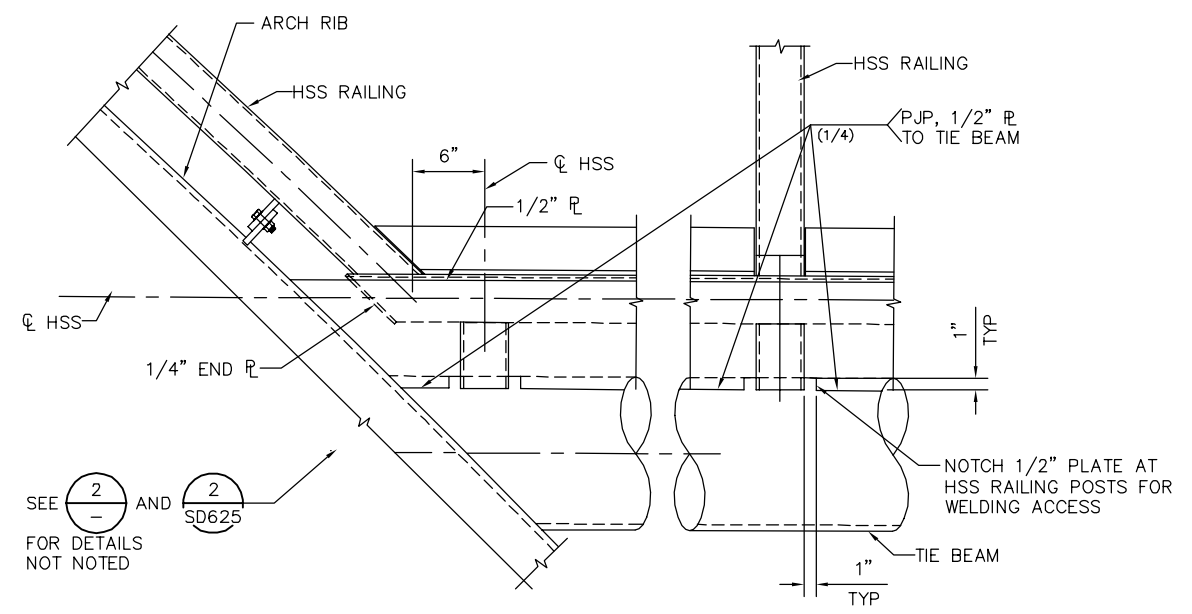
2 DETAIL
1 1/2" = 1'-0"



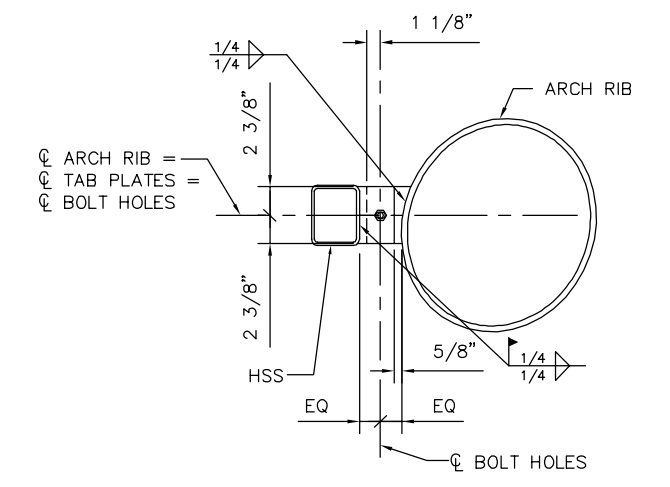
3 DETAIL
1 1/2" = 1'-0"



A SECTION
1 1/2" = 1'-0"



B SECTION
1 1/2" = 1'-0"

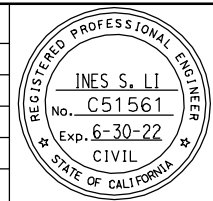


C SECTION
1 1/2" = 1'-0"

PLAN CHECK SET/NOT FOR CONSTRUCTION

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NO.	DATE	REVISIONS
A	06/20	95% SUBMITTAL SET



SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS
865 The Alameda
San Jose, California 95128
408-296-5315

DESIGNED: D. ROSELLINI
CHECKED: D. DEVLIN
DRAWN: S. HICKEY
CADD FILENAME: 801SD627.dwg

Santa Clara Valley Transportation Authority

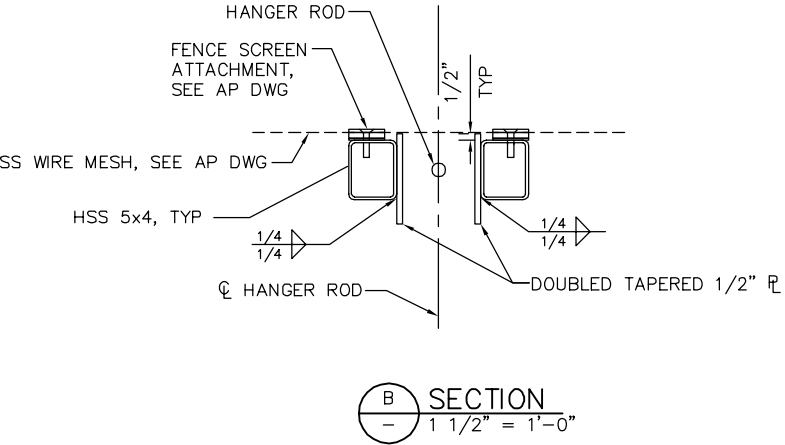
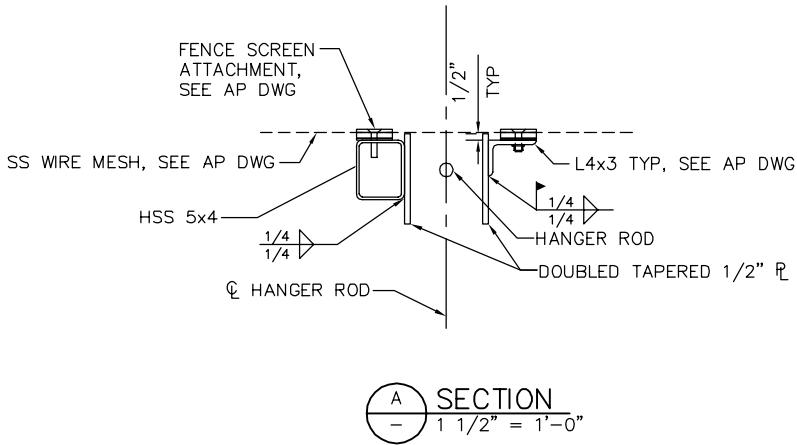
APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS
CADD FILE DATE: 06/23/20
SCALE: AS SHOWN
SUBMITTAL DATE: 06/29/20
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
STRUCTURAL
STORY STATION POC
RAILING DETAILS No. 3

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION: - PROJECTWISE

DRAWING NO. SD627
REVISION A

POC railing connection details to be finalized



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NO.	DATE	REVISIONS
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SUBMITTED
BIGGS CARDOSA ASSOCIATES INC
 STRUCTURAL ENGINEERS
 865 The Alameda
 San Jose, California 95128
 408-296-5515

DESIGNED: D. ROSELLINI
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Santa Clara Valley
 Transportation
 Authority

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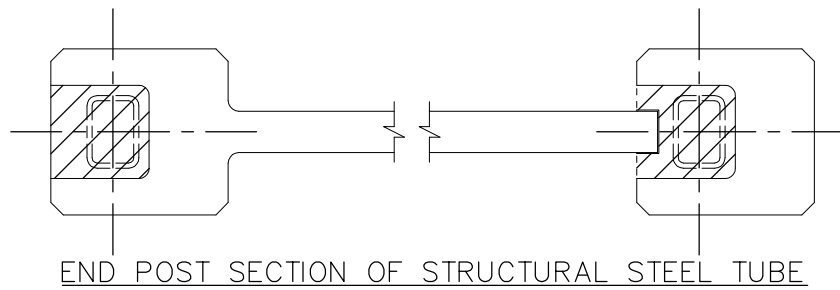
CADD FILE DATE: 06/23/20
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 BOARD APPROVAL DATE:

PLAN CHECK SET/NOT FOR CONSTRUCTION

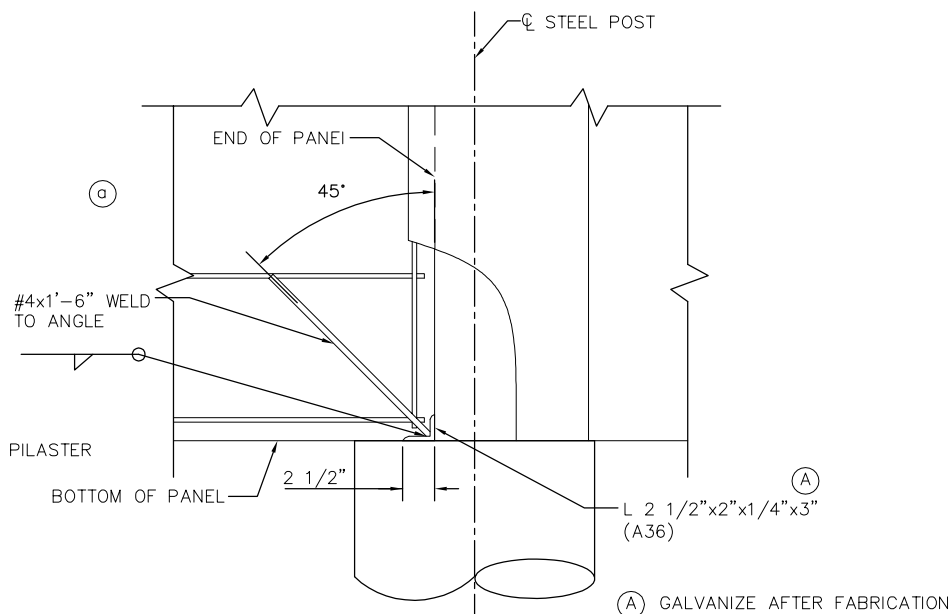
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 STORY STATION POC
 RAILING DETAILS No. 4

PCA NO. 000 CONTRACT NO. C801 FILE LOCATION: - PROJECTWISE

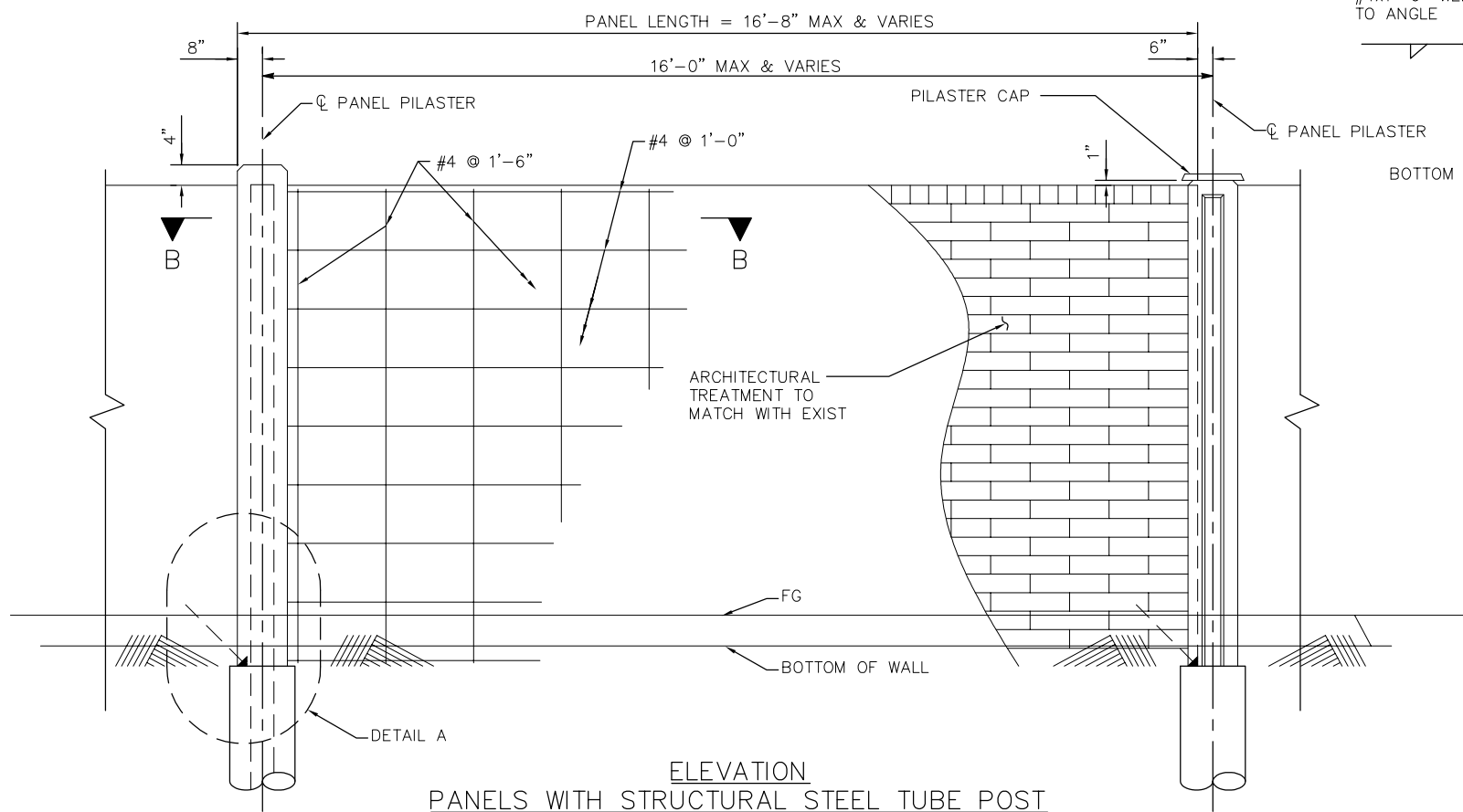
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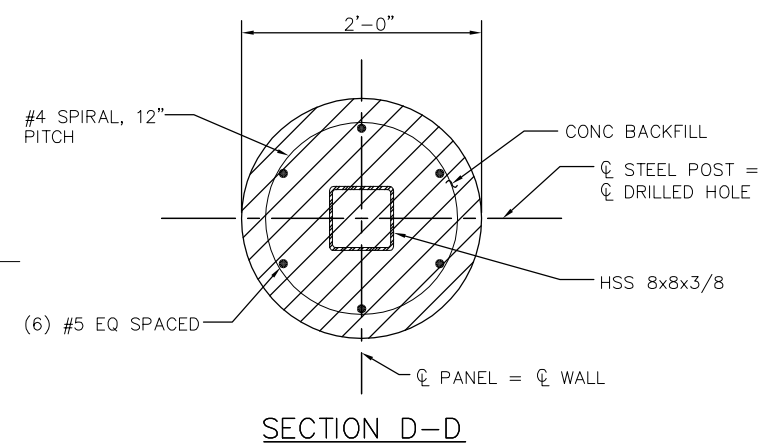
END POST SECTION OF STRUCTURAL STEEL TUBE



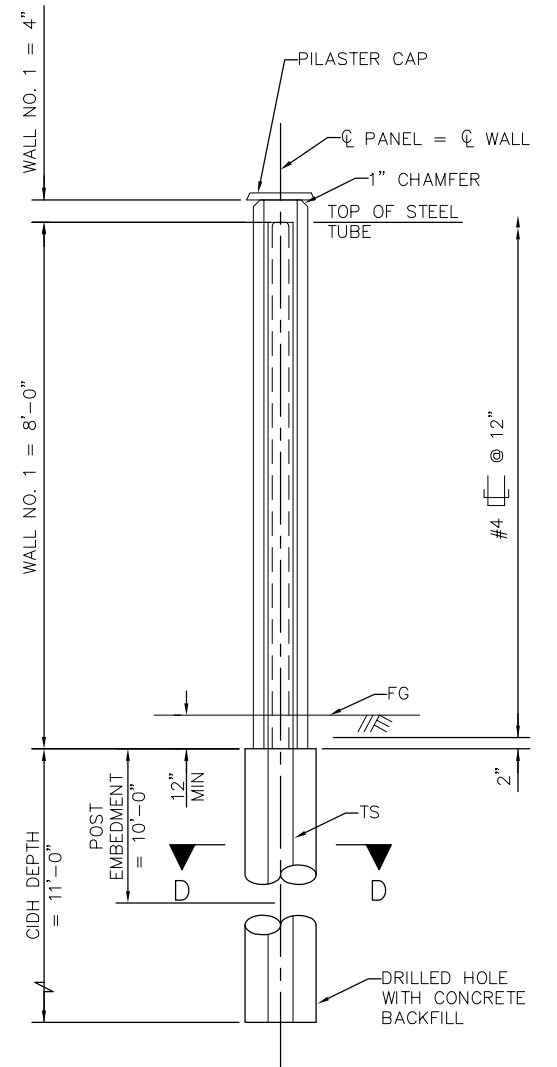
DETAIL A
1"=1'-0"



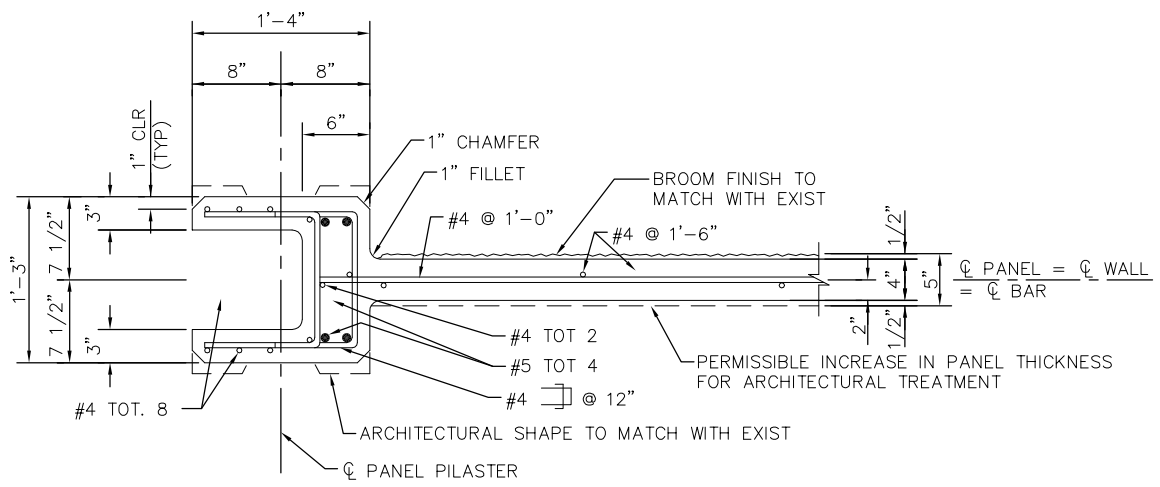
ELEVATION
PANELS WITH STRUCTURAL STEEL TUBE POST



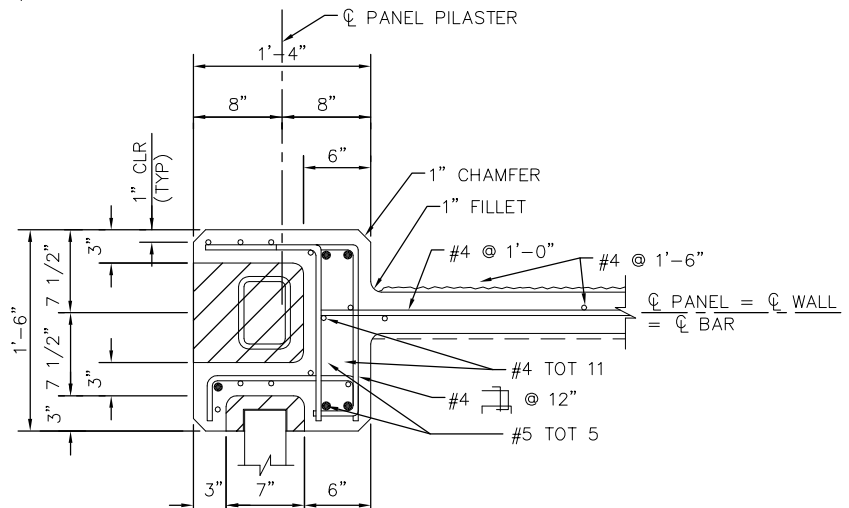
SECTION D-D



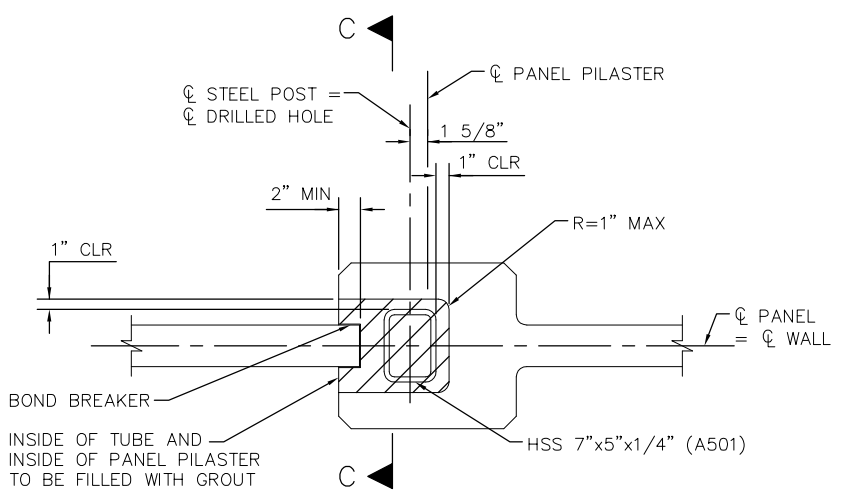
SECTION C-C



SECTION B-B



PANEL OF PANEL PILASTER AT TURNING CORNER



PLAN OF PANEL PILASTER

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B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



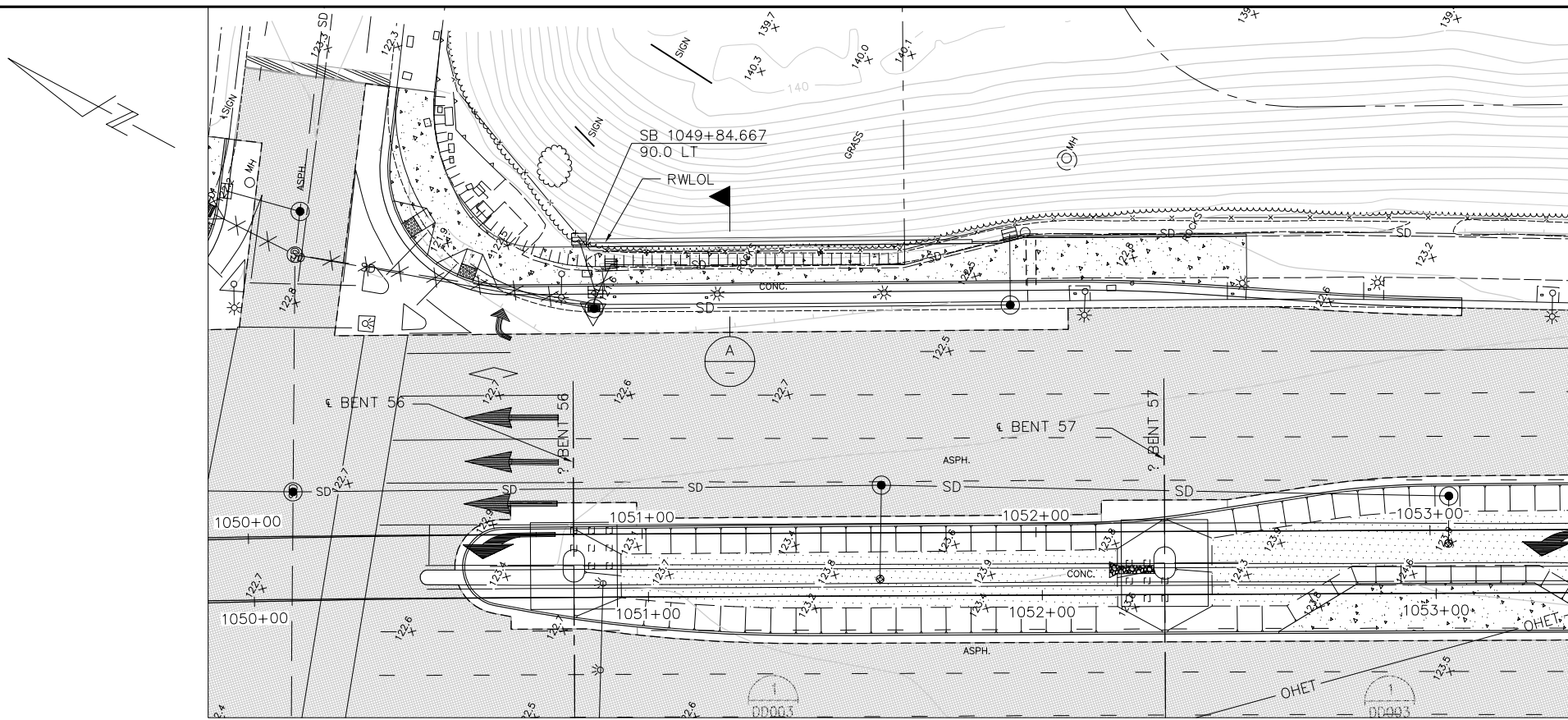
DESIGNED S. CASTRO	CHECKED F. FRANCO
DRAWN H. NUALLES	CADD FILE NAME 801SD901.dwg

Santa Clara Valley Transportation Authority
 TEL: 510.445.0550
 39812 MISSION BLVD, SUITE 100
 FREMONT, CA 94539
 FAX: 510.445.0440

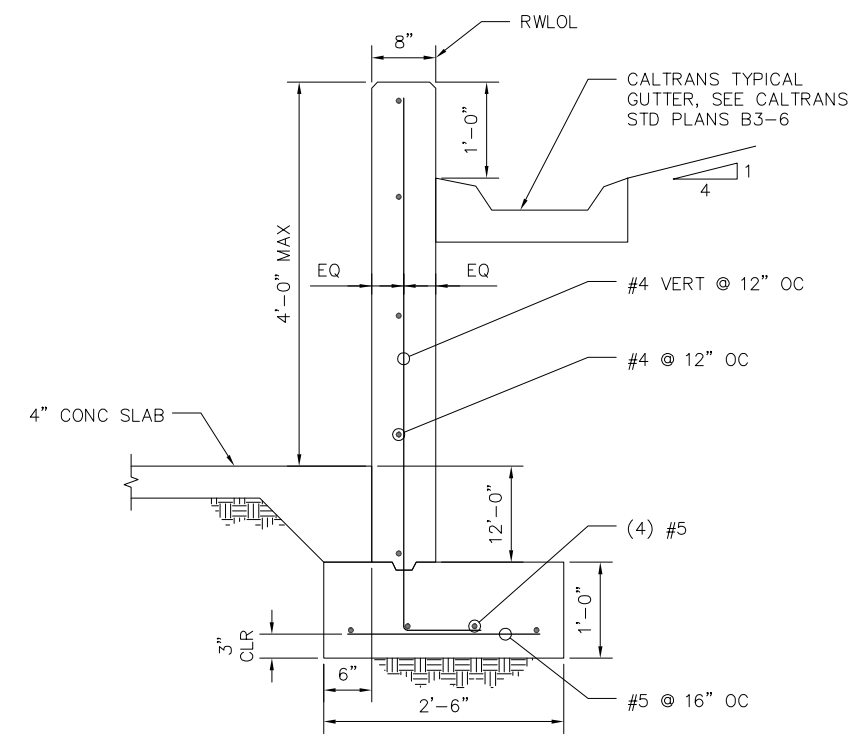
APPROVED 	SCALE AS SHOWN
CADD FILE DATE 06/29/20	BOARD APPROVAL DATE
SUBMITTAL DATE 06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL NORTH APPROACH WALLS SOUND WALL DETAILS		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

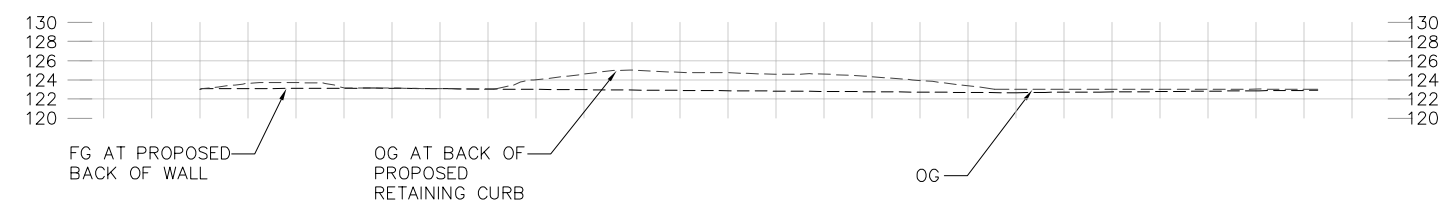
SHEET OF	DRAWING NO. SD901
REVISION C	



RETAINING WALL PLAN
SCALE: 1" = 20'



A SECTIONS
1" = 1'-0"



PROFILE
SCALE: 1" = 20' HORIZ
SCALE: 1" = 10' VERT

NOTE:
FOR RETAINING WALL NOTES, SEE SHEET SP380.

H:\cadd\2020\11:50m MA\SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SP\801SP902.dwg
 Jun 22, 2020 - 11:50m MA\SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SP\801SP902.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED	
TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED	CHECKED
S. CASTRO	F. FRANCO
DRAWN	CADD FILE NAME
H. NUALLES	801SP902.dwg

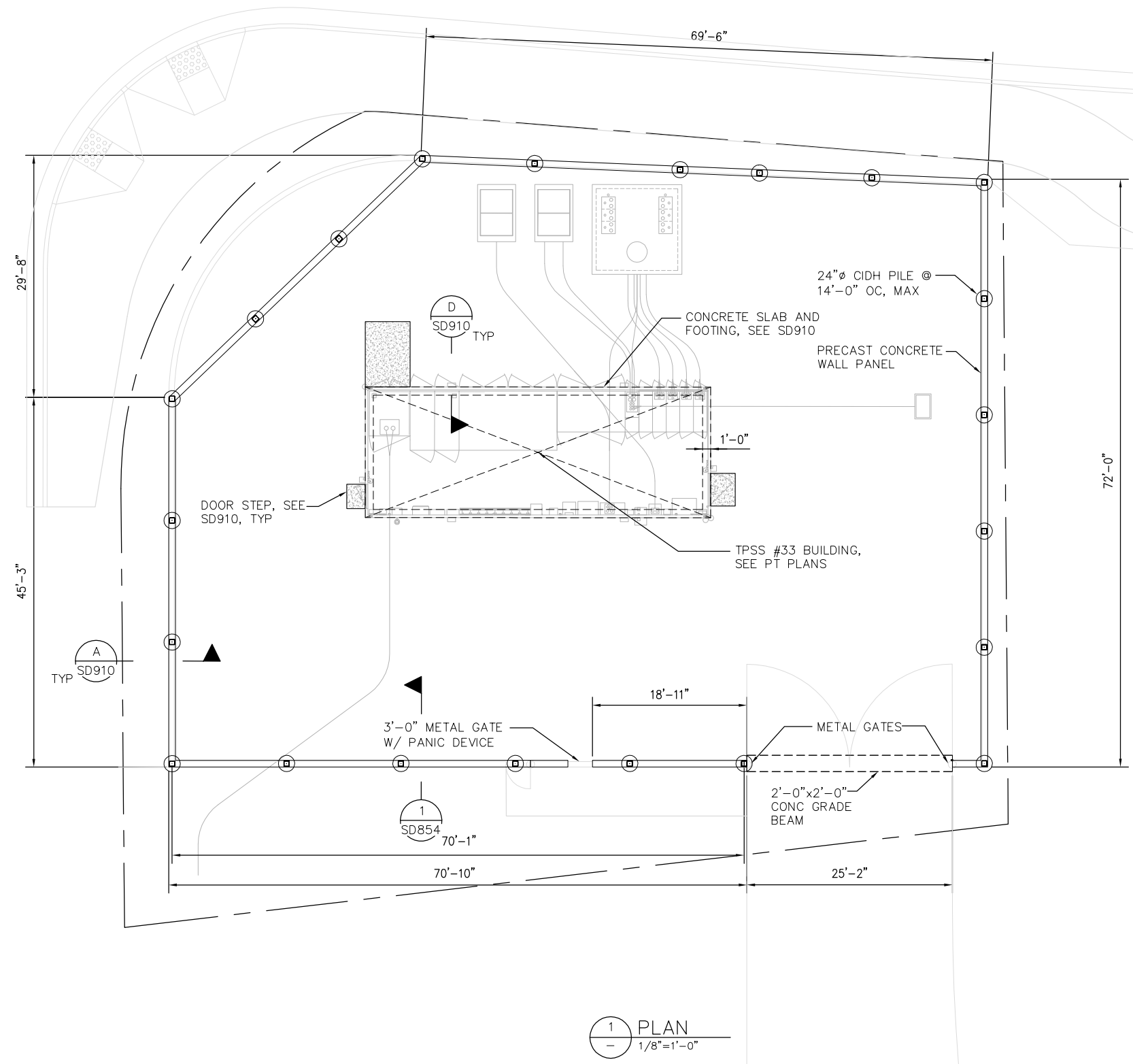
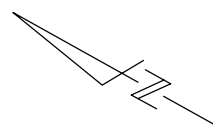


APPROVED	
ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
06/29/20	1" = 20'
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL CAPITOL AND CUNNINGHAM RETAINING WALL		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	SP902
REVISION	C

H:\proj_2020 - 12:14pm M:\SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SP_801SP910.dwg



1 PLAN
 1/8" = 1'-0"

- NOTES:
- FOR FINISHED FLOOR ELEVATION AND SLOPE TO DRAIN, SEE CIVIL.
 - FOR TPSS DRAWINGS SEE PT SHEETS.
 - SEE SD910 TO ADD'L DETAILS NOT SPECIFIED.
 - SEE SD912 FOR WALL PANEL AND COLUMN DETAILS.
 - WEEP HOLES SHALL BE LOCATED AT 25'-0" MAXIMUM ALONG BOTTOM OF PANEL, SEE SD912



NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



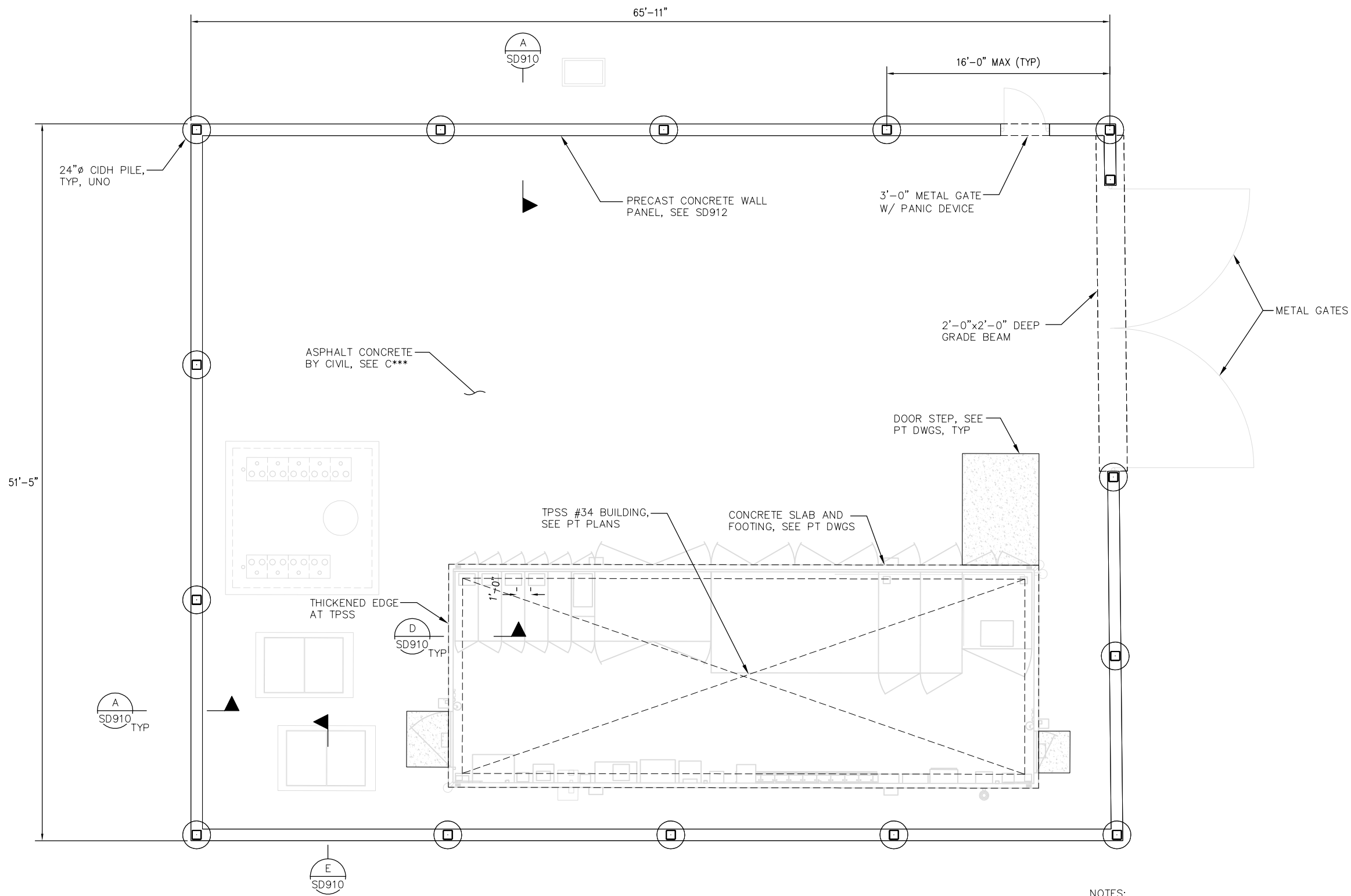
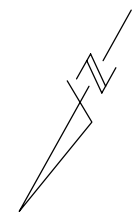
SUBMITTED
SIERRA ENGINEERING GROUP
 DESIGNED: F. FRANCO
 CHECKED: J. SIERRA
 DRAWN: H. NUALLES
 CADD FILE NAME: 801SP910.dwg
 TEL: 510.445.0550
 39812 MISSION BLVD, SUITE 100
 FREMONT, CA 94539
 FAX: 510.445.0440



APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS
 CADD FILE DATE: 06/29/20
 SUBMITTAL DATE: 06/29/20
 SCALE: 1/2" = 1'-0"
 BOARD APPROVAL DATE:

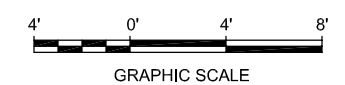
EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 STRUCTURAL
 TPSS #33 SCREEN
 PLAN
 PCA NO. 000
 CONTRACT NO. C801
 FILE LOCATION PROJECTWISE

SHEET OF
 DRAWING NO. SP910
 REVISION C



- NOTES:
1. FOR FINISHED FLOOR ELEVATION AND SLOPE TO DRAIN, SEE CIVIL.
 2. FOR TPSS DRAWINGS SEE PT SHEETS.
 3. SEE SD910 TO ADD'L DETAILS NOT SPECIFIED.

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



H:\2020 - 11:23am M:\SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SP_801SP911.dwg

NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



SUBMITTED SIERRA ENGINEERING GROUP TEL: 510.445.0550 39812 MISSION BLVD, SUITE 100 FREMONT, CA 94539 FAX: 510.445.0440	
DESIGNED	CHECKED
F. FRANCO	J. SIERRA
DRAWN	CADD FILE NAME
H. NUALLES	801SP911.dwg

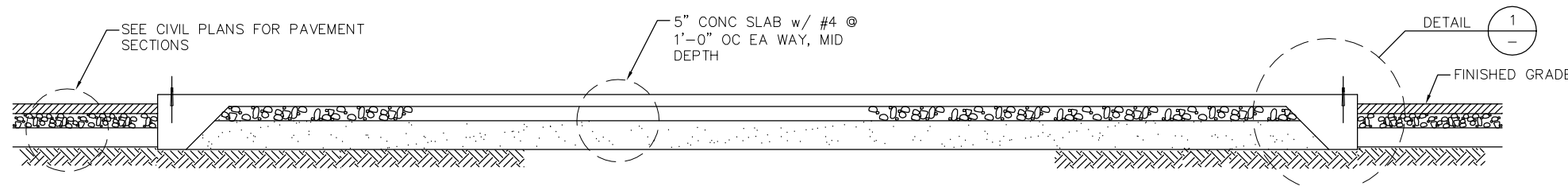


APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE	SCALE
06/29/20	1/2" = 1'-0"
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

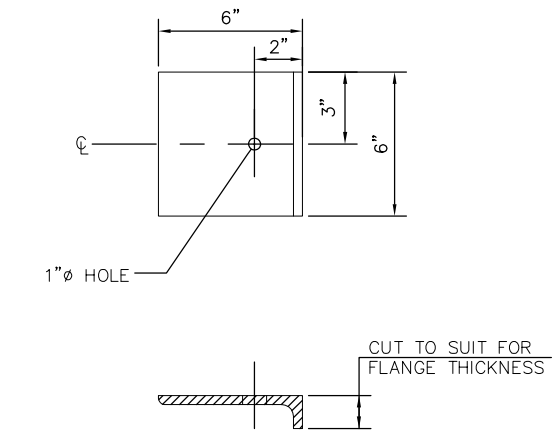
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL TPSS #34 SCREEN PLAN			SHEET OF DRAWING NO. SP911 REVISION C
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	

NOTES:

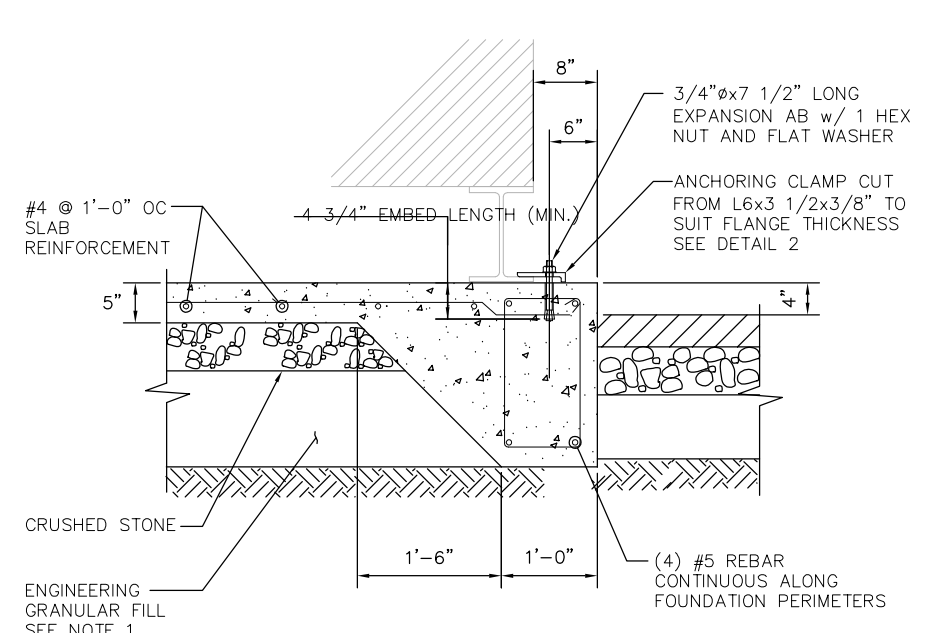
- BASE FILL SHALL BE COMPACTED TO A MIN. RELATIVE DENSITY OF 95% BASED ON THE MAX. DRY DENSITY PER ASTM D1557. THE FILL SHALL BE PLACED IN LIFTS NOT EXCEEDING 6".



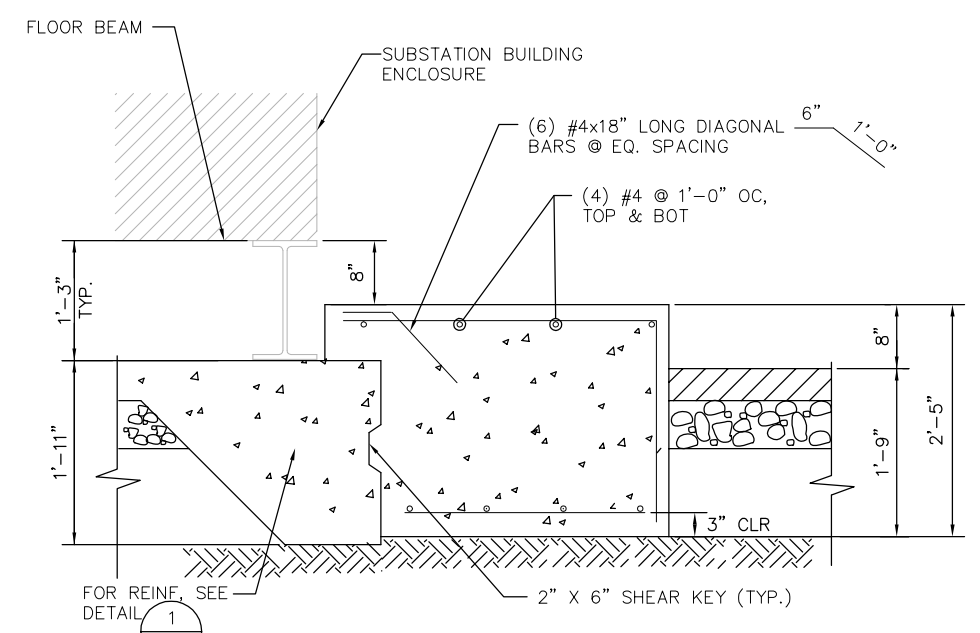
A SECTION
3/8"=1'-0"



2 DETAIL
3"=1'-0"



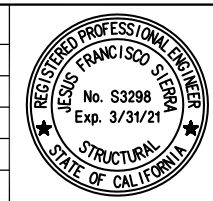
1 TYPICAL DETAIL
1"=1'-0"



B SECTION B - EQUIPMENT OR DOOR PAD
1"=1'-0"

H:\proj\2020-10-30\cm\k\SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SD_801SD910.dwg

NO.	DATE	REVISIONS
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B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



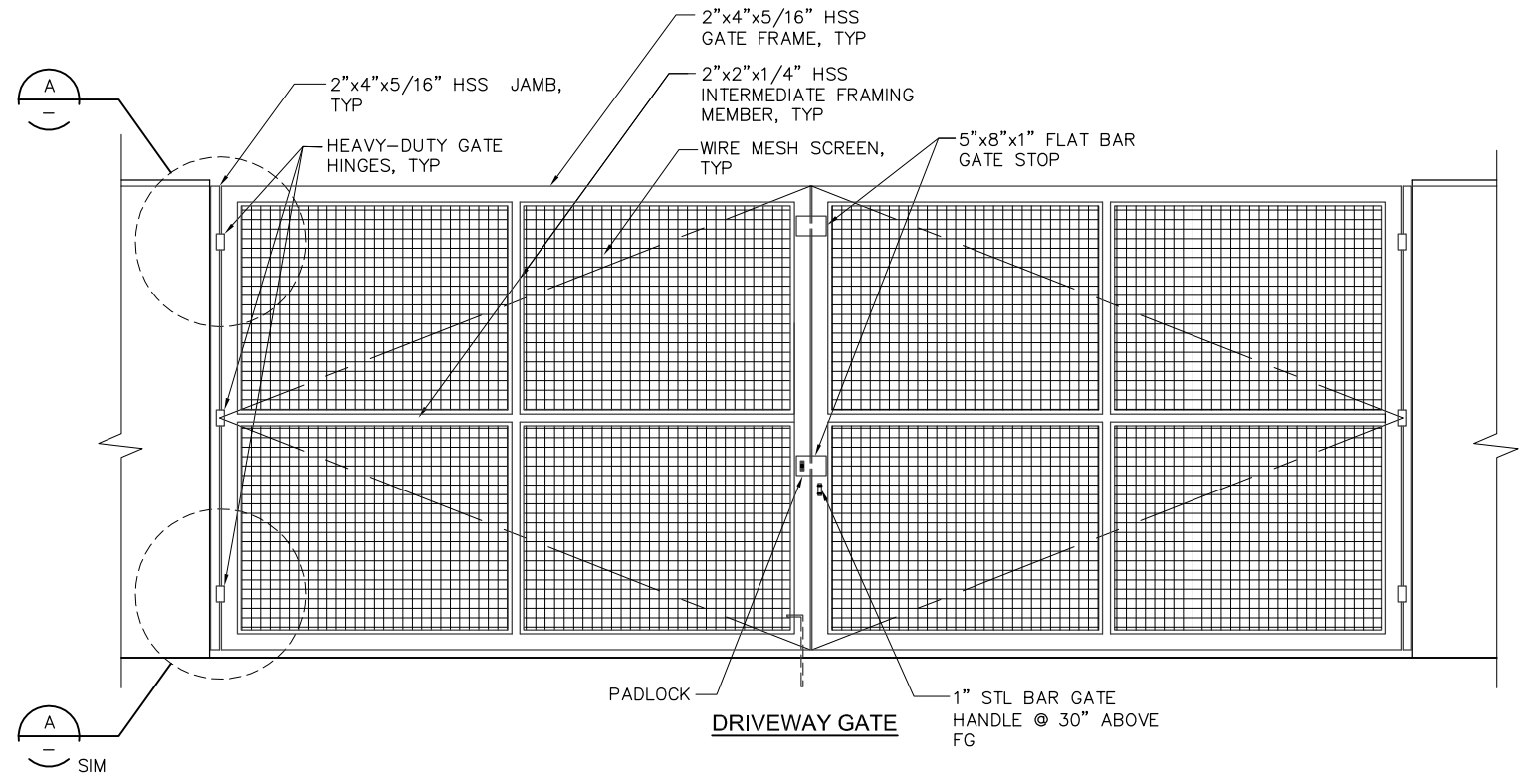
DESIGNED	F. FRANCO	CHECKED	J. SIERRA
DRAWN	H. NUALLES	CADD FILE NAME	801SD910.dwg



APPROVED	BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS
CADD FILE DATE	06/29/20
SUBMITTAL DATE	06/29/20
SCALE	AS SHOWN
BOARD APPROVAL DATE	

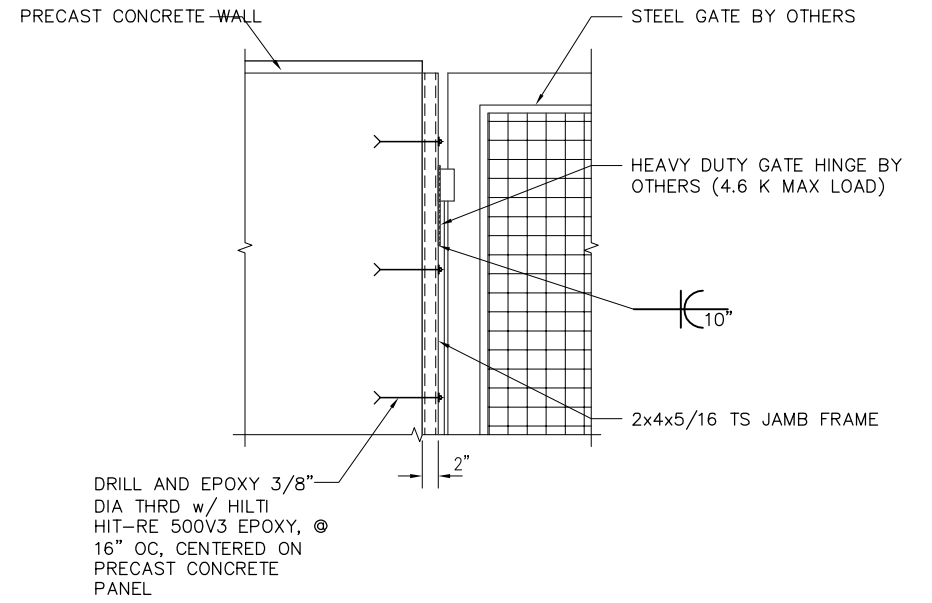
EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT		
STRUCTURAL TPSS #33 AND #34 TPSS DETAILS No. 1		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
DRAWING NO.	SD910
REVISION	C



1
-
1/2"=1'-0"

TYP GATE ELEVATION



A
-
1"=1'-0"

SECTION

H:\06-20-2020 - 10-49am M:\SEG ARCHIVE\2018 Projects\18005.0 - Capitol Expressway Light Rail Project\Struct\12_05-12-20\DWG\SD_801SD911.dwg

NO.	DATE	REVISIONS
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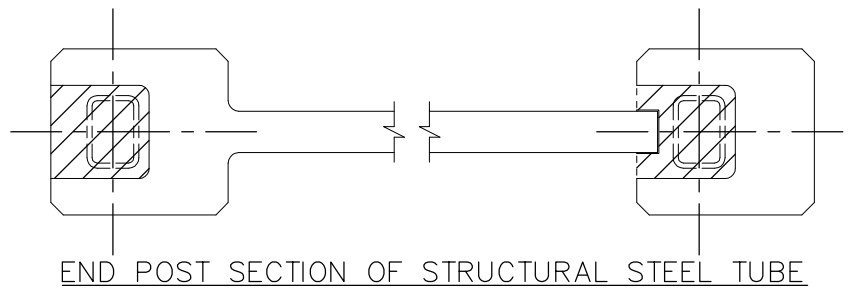
DESIGNED F. FRANCO		CHECKED J. SIERRA	
DRAWN H. NUALLES		CADD FILE NAME 801SD911.dwg	



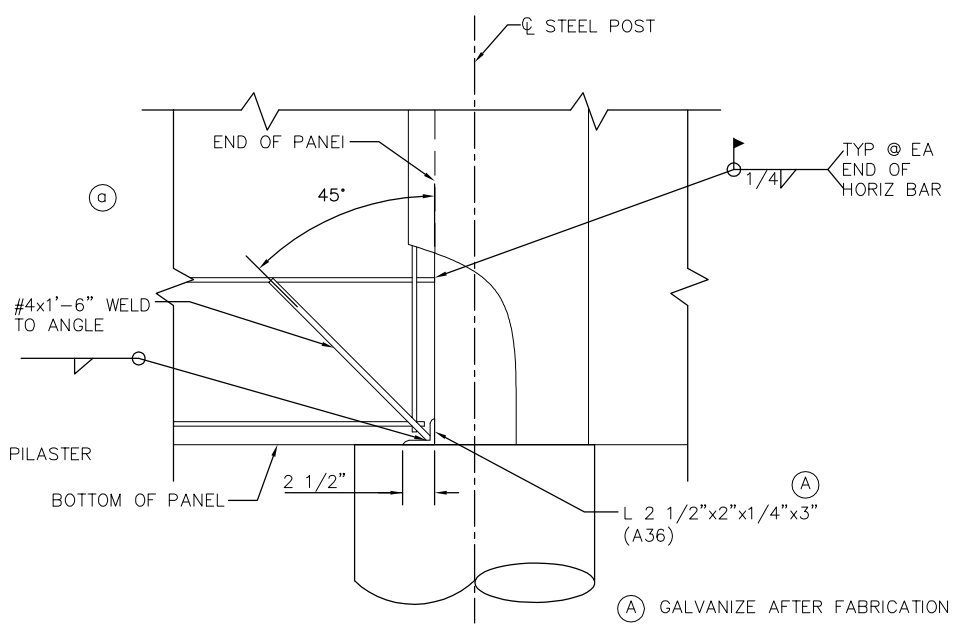
APPROVED 	
CADD FILE DATE 06/29/20	SCALE AS SHOWN
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL TPSS #33 AND #34 TPSS DETAILS No. 2		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

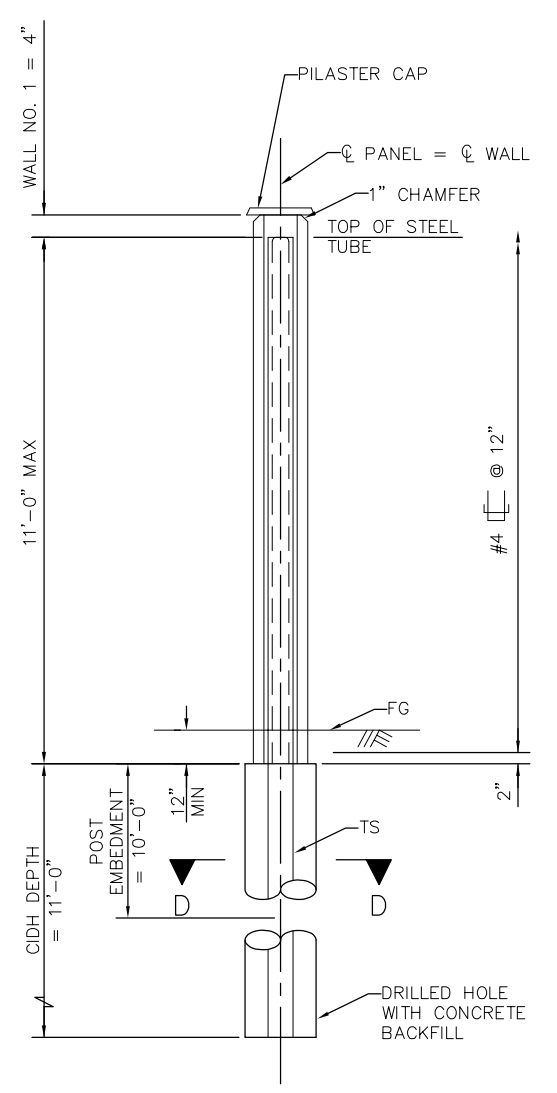
SHEET OF SD911
DRAWING NO. SD911
REVISION C



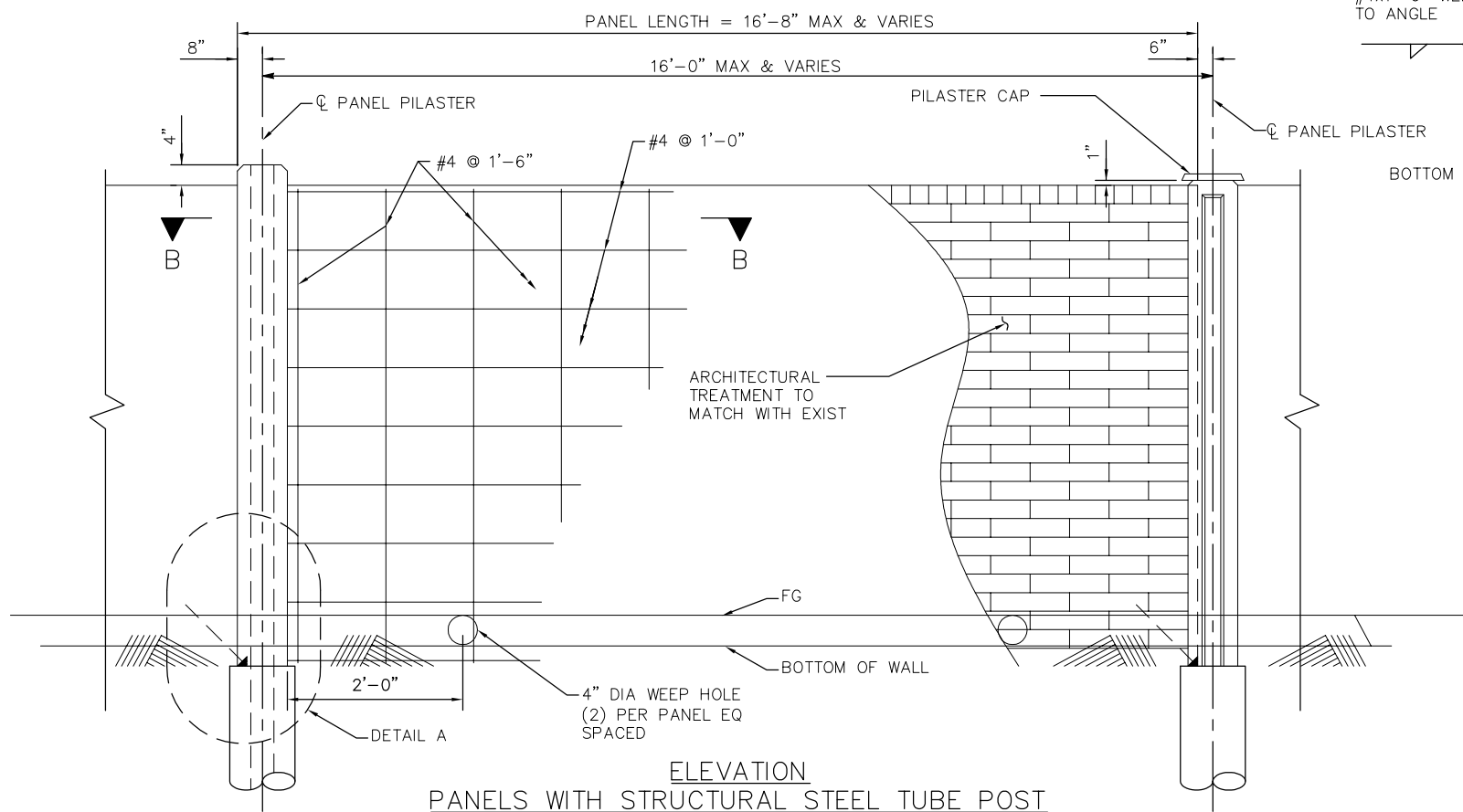
END POST SECTION OF STRUCTURAL STEEL TUBE



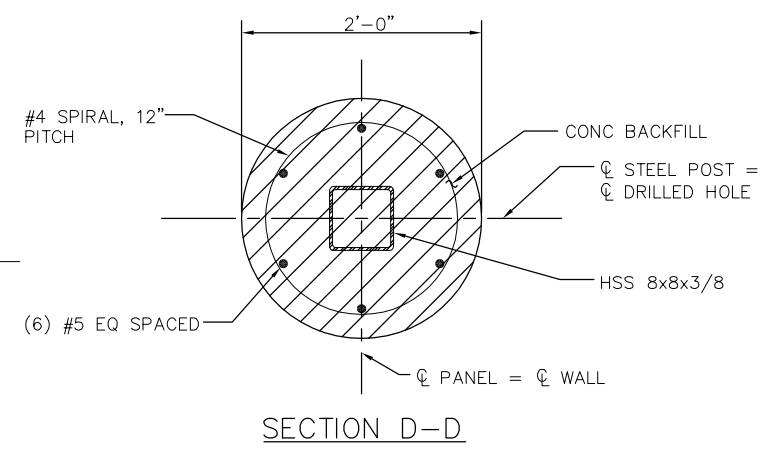
DETAIL A
1"=1'-0"



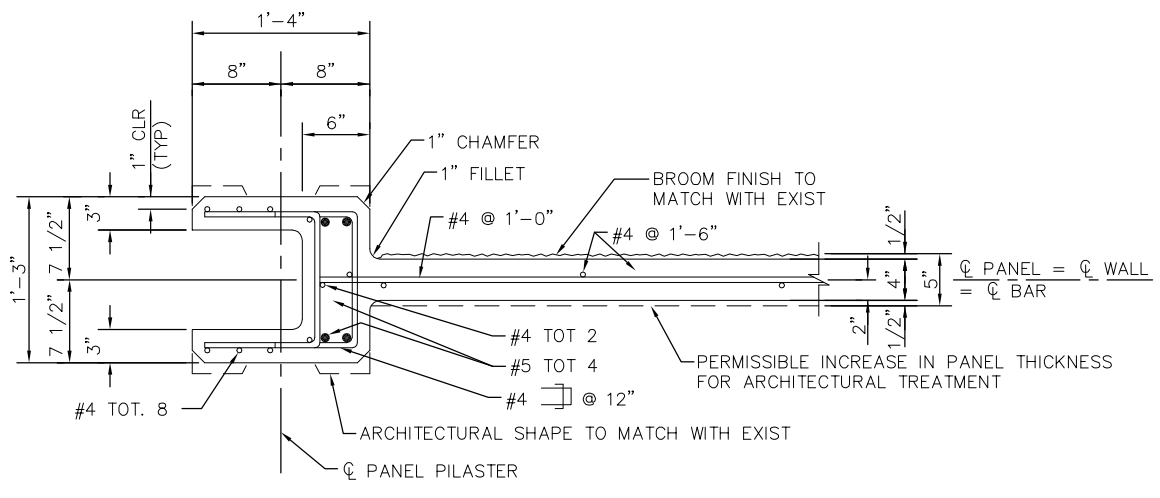
SECTION C-C



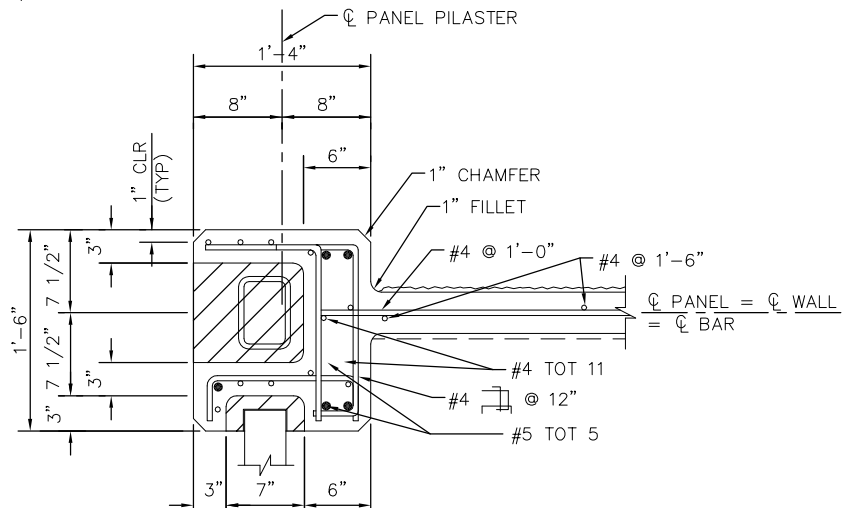
ELEVATION
PANELS WITH STRUCTURAL STEEL TUBE POST



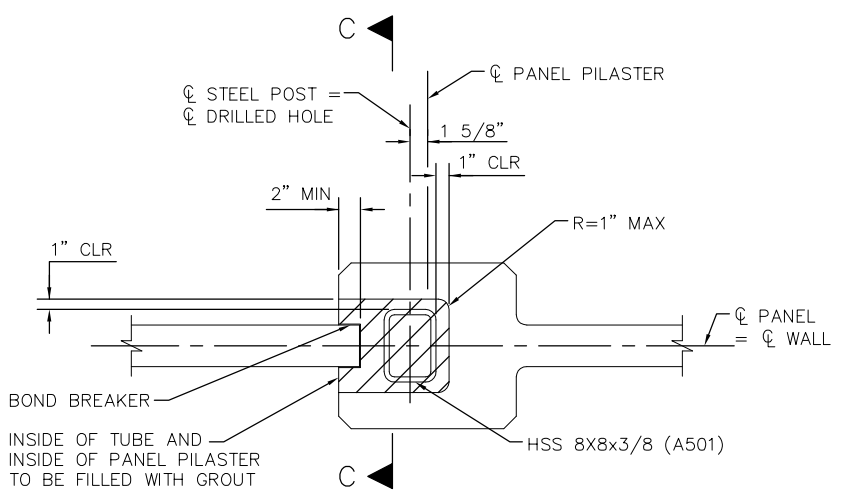
SECTION D-D



SECTION B-B



PANEL OF PANEL PILASTER AT TURNING CORNER



PLAN OF PANEL PILASTER

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NO.	DATE	REVISIONS
C	06/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET



DESIGNED M. AUNG	CHECKED F. FRANCO
DRAWN H. NUALLES	CADD FILE NAME 801SD912.dwg



APPROVED BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
CADD FILE DATE 06/29/20	SCALE AS SHOWN
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT STRUCTURAL TPSS #33 AND #34 TPSS DETAILS No. 3		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE

SHEET OF	DRAWING NO. SD912
REVISION	C

VP001 GENERAL ELEVATOR INFORMATION
 VP002 PLANS AND HOISTWAY SECTION ELEVATOR 1 EAST
 VP003 PLANS AND HOISTWAY SECTION ELEVATOR 2 WEST
 VP004 PLANS AND HOISTWAY SECTION ELEVATOR 3 MEDIAN

1 INDEX OF DRAWINGS
 VP001 SCALE: NTS

ELEVATOR 1 EAST 3500# @ 125 FPM
 ELEVATOR 2 WEST 3500# @ 125 FPM
 ELEVATOR 3 MEDIAN 4000# @ 125 FPM

2 SUMMARY OF ELEVATORS
 VP001 SCALE: NTS

AFF	ABOVE FINISH FLOOR	DC	DIRECT CURRENT	HYDR.	HYDRAULIC	PL	PLATE
A.P.	ACCESS PANEL	DISC.	DISCONNECT	IN.	INCH (NICHES)	PLTFM	PLATFORM
A/C	AIR CONDITIONING	DBG	DISTANCE BETWEEN GUIDE RAILS	IGBT	INSULATED GATE BIPOLAR TRANSUDCER	#	POUNDS
ALT.	ALTERNATE	DN	DOWN	J/S	JOULES PER SECOND	PSI	POUNDS PER SQUARE INCH
AC	ALTERNATING CURRENT	DWG	DRAWING	KCAL	KILOCALORIE	PRELIM.	PRELIMINARY
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	EA.	EACH	KG	KILOGRAMS	RAD.	RADIUS
AMP	AMPERE	ELEC.	ELECTRICAL	KN	KILONEWTONS	R/O	REAR OPENING
APPROX.	APPROXIMATE	EL.	ELEVATION	KVA	KILOVOLT-AMPERE	REQ.	REQUIRED
ARCH.	ARCHITECTURAL	ELEV.	ELEVATOR	KW	KILOWATTS	REV.	REVISION
AUX	AUXILIARY	ETS	EMERGENCY TERMINAL SLOWDOWN	K	KIPS	RM	ROOM
BSMT	BASEMENT	EQ	EQUAL	LT	LIGHT	R.O.	ROUGH OPENING
BOT.	BOTTOM	EQUIP.	EQUIPMENT	MPS	METERS PER SECOND	SEC.	SECONDARY
BTUH	BRITISH THERMAL UNITS PER HOUR	ESCL	ESCALATOR	MACH.	MACHINE	SECT.	SECTION
BM	BEAM	(E)	EXISTING	MRL	MACHINE-ROOM-LESS	SHT	SHEET
BOCA	BUILDING OFFICIALS AND CODE ADMINISTRATION	F	FAHRENHEIT	MAX.	MAXIMUM	SCR	SILICON CONTROLLED RECTIFIER
CLG	CEILING	FPM	FEET PER MINUTE	MEZZ.	MEZZANINE	SIM.	SIMILAR
C	CELSIUS	F.V.	FIELD VERIFY	M	METER	SPEC.	SPECIFICATION
CL	CENTERLINE	F.F.	FINISH FLOOR	MM	MILLIMETERS	SF	SQUARE FEET
CM	CENTIMETERS	FLR	FLOOR	MIN.	MINIMUM	SM	SQUARE METERS
COL.	COLUMN	FT	FOOT (FEET)	MISC.	MISCELLANEOUS	STD	STANDARD
CLR.	CLEAR	FLOUR.	FLUORESCENT	MG	MOTOR-GENERAL	STC	STANDARD BUILDING CODE
CONC.	CONCRETE	F/O	FRONT OPENING	MTD	MOUNTED	STL	STEEL
CMU	CONCRETE MASONRY UNITS	FUT.	FUTURE	NEC	NATIONAL ELECTRICAL CODE	STRUCT.	STRUCTURAL
CONT.	CONTINUOUS	G	GRAVITY	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	SW.	SWITCH
CONTR.	CONTRACTOR	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	(N)	NEW	TBD	TO BE DETERMINED
COORD	COORDINATE	GOV.	GOVERNOR	NOM.	NOMINAL	T.O.	TOP OF
CNTRL	CONTROLLER	GA.	GAUGE	N/A	NOT APPLICABLE	(TYP)	TYPICAL
CWT	COUNTERWEIGHT	GYP. BD.	GYPSUM BOARD	NTS	NOT TO SCALE	UNO	UNLESS NOTED OTHERWISE
CYL.	CYLINDER	HT	HEIGHT	NO.	NUMBER	UBC	UNIFORM BUILDING CODE
DEH	DEAD END HITCH	HZ	HERTZ	O.C.	ON CENTER	VERT.	VERTICAL
D.	DEEP	H.	HIGH	OPNG	OPENING	V.	VOLT
·	DEGREES	HSTWY	HOISTWAY	O.A.	OVERALL	W.	WIDE
DTL	DETAIL	HORIZ.	HORIZONTAL	OPP.	OPPOSITE	W/	WITH
Ø	DIAMETER	HR	HOUR	OPP.	OPPOSITE	WP	WORKPOINT
DIM.	DIMENSION	HP	HORSEPOWER	OVHD	OVERHEAD		

3 ABBREVIATIONS
 VP001 SCALE: NTS

- THESE DRAWINGS FOR GENERAL INFORMATION ONLY. REQUIREMENTS OF INDIVIDUAL VENDORS MAY VARY.
- THESE DRAWINGS TO BE DISTRIBUTED TO APPROPRIATE CONSULTING AND ENGINEERING FIRMS, INCLUDING ARCHITECT, STRUCTURAL, ELECTRICAL AND MECHANICAL ENGINEERS.
- FIELD VERIFY ALL EXISTING DIMENSIONS.
- ROUGH OPENING DIMENSIONS FOR ELEVATOR ENTRANCES APPLY ONLY IN THE CASE OF MASONRY OR CONCRETE CONSTRUCTION.
- VERTICAL STRUCTURAL SUPPORT FOR RAIL BRACKETING IS PROVIDED BY HOISTWAY WALLS IN THE CASE OF REINFORCED CONCRETE HOISTWAY CONSTRUCTION.

4 GENERAL NOTES
 VP001 SCALE: NTS

POWER FEEDER REQUIREMENTS (MAIN POWER SUPPLY: 480-3-60 ASSUMED)										
ELEVATOR NUMBER	CAPACITY (POUNDS)	SPEED (FPM)	TRACTION DRIVE HP RATING	HYDRO MOTOR HP	HYDRO STARTING AMPS			FULL LOAD AMPS		HEAT RELEASE MACHINE SPACE BTUH PER CAR
					LOCKED ROTOR	SOLID STATE	WYE DELTA	RUNNING	ACCELERATING	
1 EAST	3500	125	N/A	50	371	201	117	67	N/A	*31,500
2 WEST	3500	125		50	371	201	117	67		*31,500
3 MEDIAN	4000	125		75	493	267	156	89		*35,640

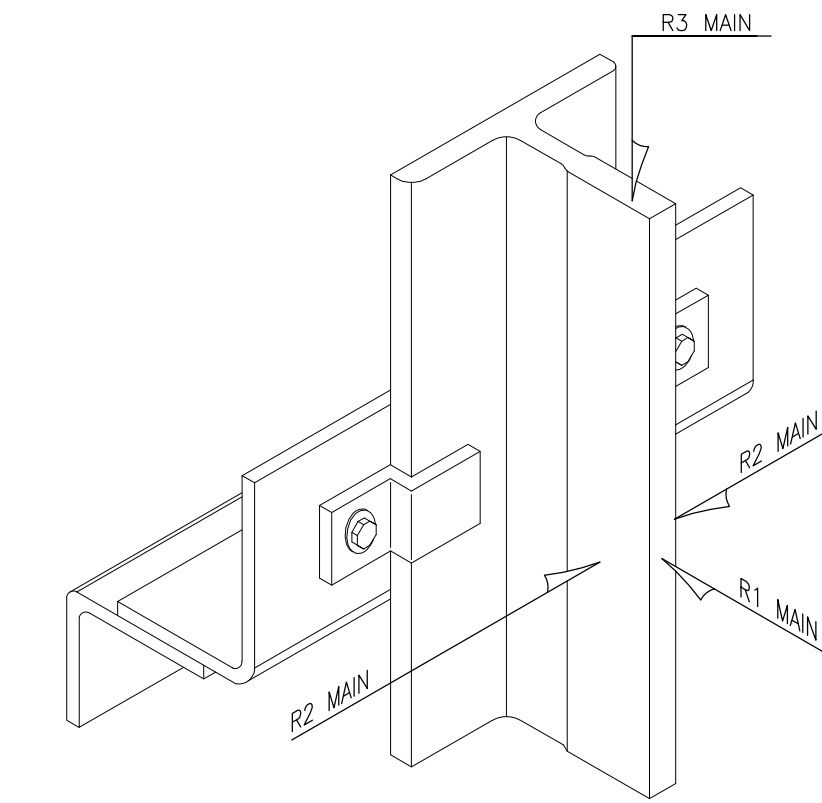
* HEAT RELEASE BASED ON 80 UPSTARTS/HR

NOTES:

- ELECTRIC POWER AND CURRENT ARE BASED ON THREE (3) PHASE A.C. POWER SUPPLY.
- MAIN POWER TO BE PROVIDED AT EACH CONTROLLER THROUGH DISCONNECTING MEANS MEETING NEC REQUIREMENTS.
- MAIN POWER SUPPLY FEEDERS TO LIMIT VOLTAGE DROP TO LESS THAN 5%.
- USE COPPER CONDUCTORS ONLY.
- FEEDER DEMAND FACTORS (NEC SECTION 430-26 AND 620-14)=
 (2) CARS= 95% (3) CARS= 90% (4) CARS= 85% (5) CARS= 82% (6) CARS= 79% (7) CARS= 77%
 (8) CARS= 75% (9) CARS= 73% (10) CARS= 72%
- MACHINE SPACE TEMPERATURE TO BE MIN. 13° C (55° F.), MAX. 32° C (90° F).
 TO BE MEASURED 1838 MM (6'-0") ABOVE FINISH FLOOR AT APPROX. CENTER OF ROOM.
- RELATIVE HUMIDITY MAX. 80% NON-CONDENSING.
- THE SELECTION OF MAIN POWER SUPPLY DISCONNECTING MEANS OVERCURRENT PROTECTION TO BE SIZED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, SECTIONS 620-51 AND 430-52.
- PROVIDE LOCAL TELEPHONE SERVICE LINE TO EACH CAR CONTROLLER (IF APPLICABLE).
- PROVIDE GFCI CONVENIENCE OUTLETS PIT, MACHINE ROOM AND MACHINERY SPACES. IN PIT, PROVIDE ONE NON-GFCI OUTLET FOR SUMP PUMP AND/OR OIL RETURN PUMP.
- PROVIDE HOIST MACHINE WITH VOLTAGE TO MATCH SUPPLY VOLTAGE INDICATED, U.N.O.

ADDITIONAL POWER AND DISCONNECT REQUIREMENTS IN MACHINE ROOM			
AUXILIARY SYSTEM	SUPPLY TERMINAL	SUPPLY VOLTAGE	CIRCUIT CAPACITY
CAR LIGHT AND FAN WITH LOCKABLE DISCONNECT	EACH CONTROLLER	120-1-60	(15 AMP PER CAR)
INTERCOM SYSTEM (IF APPLICABLE)	AT AMPLIFIER	120-1-60	1800 WATTS (15 AMP MIN)
AIR CONDITIONING AND HEATING SOURCE (IF APPLICABLE)	EACH CONTROLLER	120-1-60	(20 AMP PER CAR)
CONDENSATE EVAPORATOR UNIT FOR AIR CONDITIONING (IF APPLICABLE)	EACH CONTROLLER	120-1-60	(30 AMP PER CAR)

5 ELEVATOR ELECTRICAL AND MECHANICAL REQUIREMENTS
 VP001 SCALE: NTS



RAIL FORCES MAXIMUM ON EACH GUIDE RAIL (FORCES ARE IN KIPS)				
	ELEVATOR NUMBER	1 EAST & 2 WEST	3 MEDIAN	OCCURRING ON
NORMAL FORCES	CAR R1	1.3	1.4	CAR NORMAL FACE OF MAIN RAIL
	CAR R2	0.9	1.7	CAR NORMAL SIDE OF MAIN RAIL - LOADING OR RUNNING
	CAR R3	N/A	N/A	FORCE TRANSMITTED TO PIT STRUCTURE AT CAR SAFETY APPLICATION*
TITLE 8 SEISMIC FORCES	CWT R3	N/A	N/A	FORCE TRANSMITTED TO PIT STRUCTURE AT CWT SAFETY APPLICATION*
	CAR R1	2.9	3.6	CAR SEISMIC ** FACE OF MAIN RAIL
	CAR R2	1.5	1.8	CAR SEISMIC ** SIDE OF MAIN RAIL - LOADING OR RUNNING
CBC SEISMIC FORCES	CWT R1	N/A	N/A	CWT SEISMIC ** FACE OF CWT RAIL
	CWT R2	N/A	N/A	CWT SEISMIC ** SIDE OF CWT RAIL
	CAR R1	--	--	CAR SEISMIC *** FACE OF MAIN RAIL
	CAR R2	--	--	CAR SEISMIC *** SIDE OF MAIN RAIL - LOADING OR RUNNING
CBC SEISMIC FORCES	CWT R1	N/A	N/A	CWT SEISMIC *** FACE OF CWT RAIL
	CWT R2	N/A	N/A	CWT SEISMIC *** SIDE OF CWT RAIL

TITLE 8

BUILDING SUPPORTS TO RESIST HORIZONTAL FORCES WITH A TOTAL DEFLECTION AT SUPPORT POINT NOT IN EXCESS OF 3 MM (1/8") UNDER NORMAL CONDITIONS.

*THESE REACTIONS DO NOT OCCUR SIMULTANEOUSLY WITH PIT BUFFER REACTIONS

**BUILDING SUPPORTS FOR GUIDE RAIL ATTACHMENT SHALL RESIST HORIZONTAL FORCES WITH A TOTAL DEFLECTION NOT IN EXCESS OF 6.4 MM BASED UPON 0.5 G ACCELERATION DURING SEISMIC CONDITIONS.

CBC

***BUILDING SUPPORTS FOR GUIDE RAIL ATTACHMENT SHALL RESIST HORIZONTAL FORCES DURING SEISMIC CONDITIONS.

CBC VARIABLES USED FOR SEISMIC CALCULATIONS:

SEISMIC DESIGN CATEGORY = D

ELEVATOR IMPORTANCE FACTOR (I_p) = 1.25 (ALL ELEVATORS)

SDS = 1.0 G

HORIZONTAL ACCELERATION EQUIVALENT = PENDING G (FOR REF ONLY)

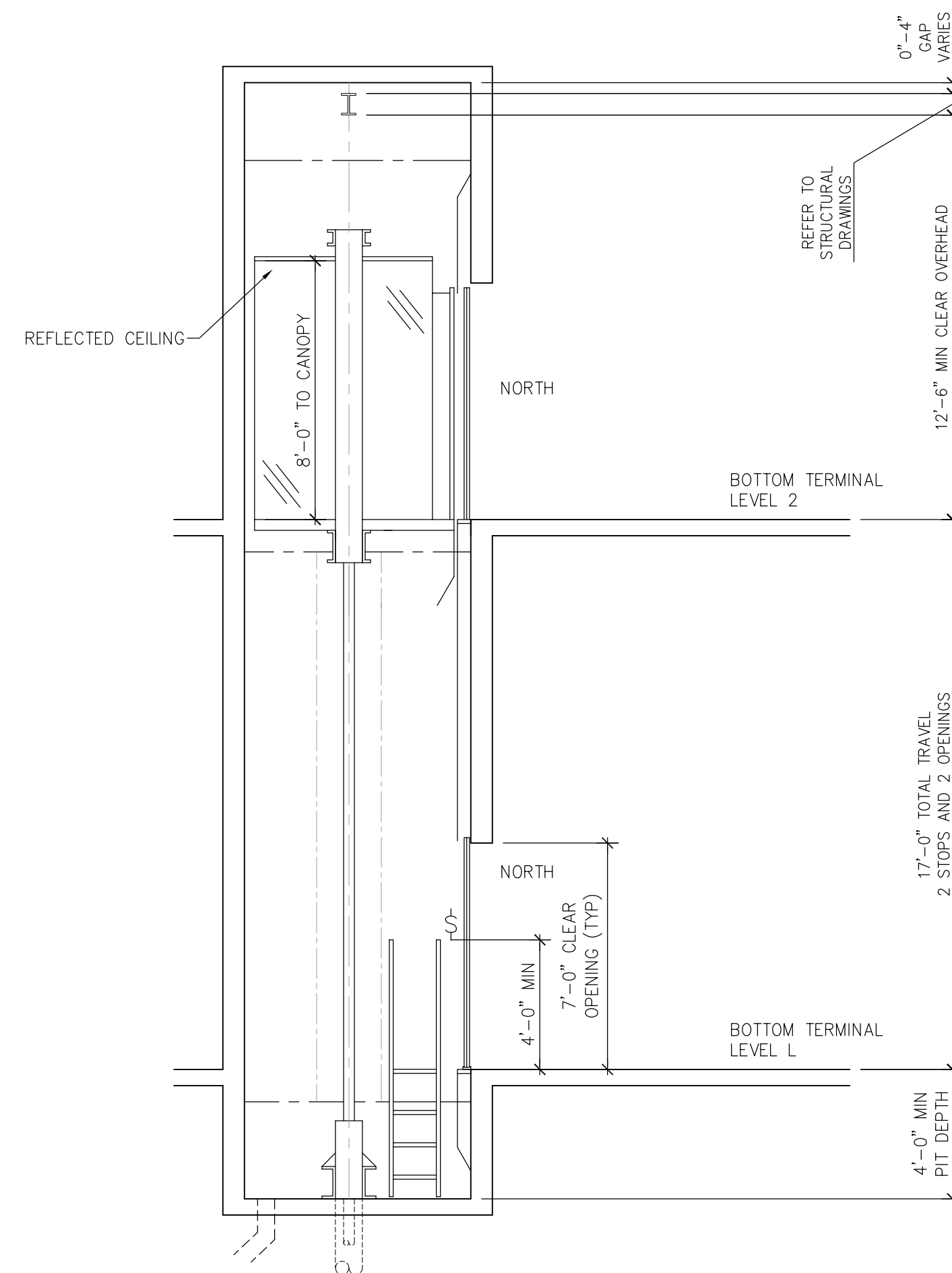
6 RAIL FORCES
 VP001 SCALE: NTS

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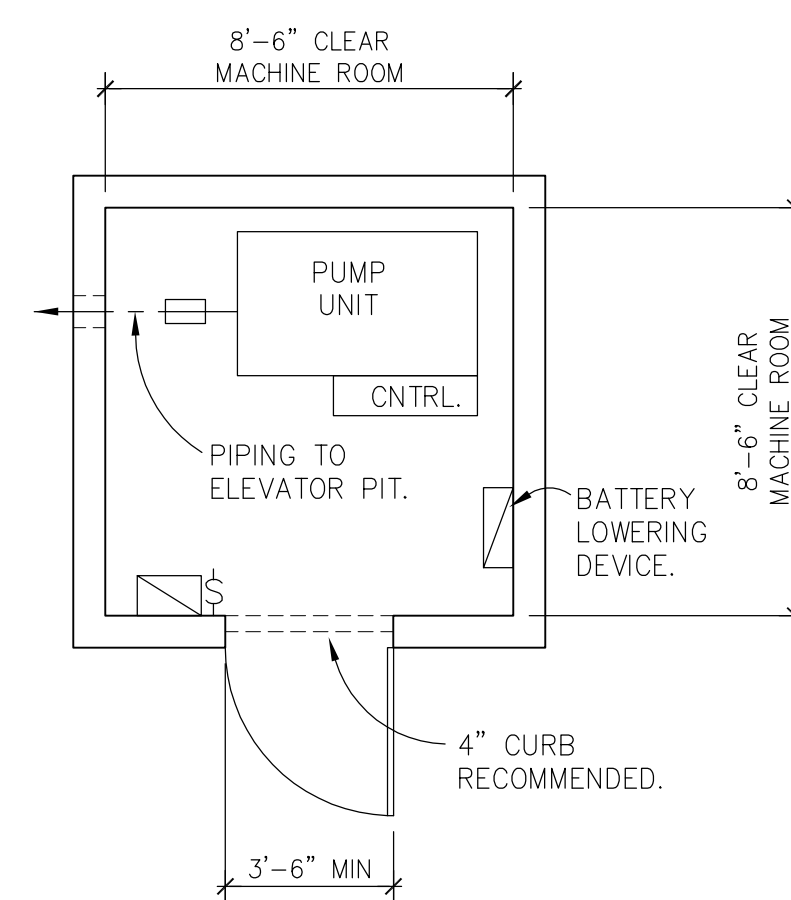
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	NO.	DATE	REVISIONS													
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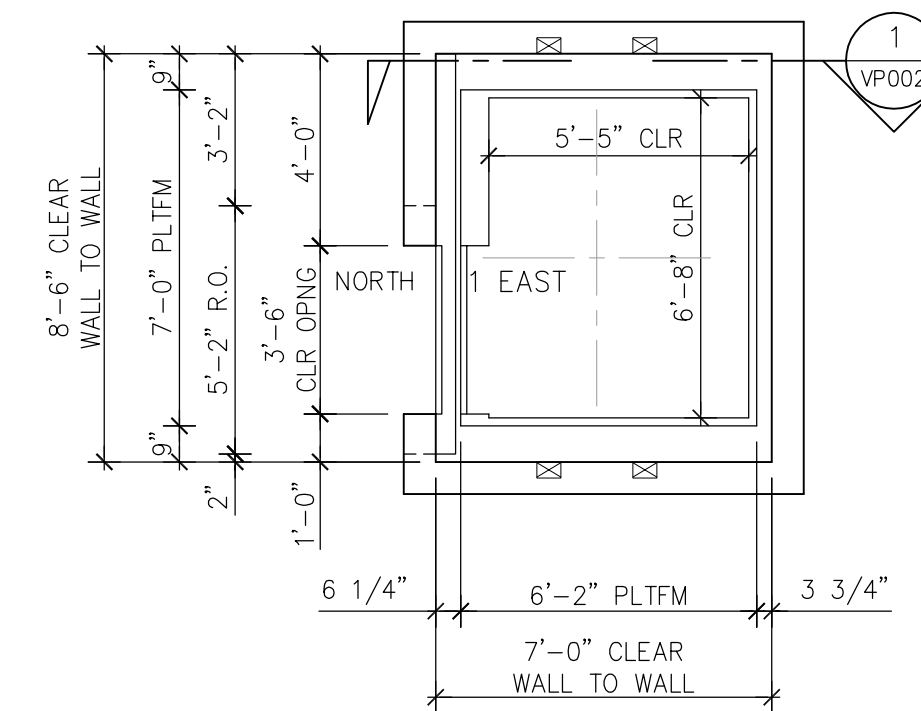
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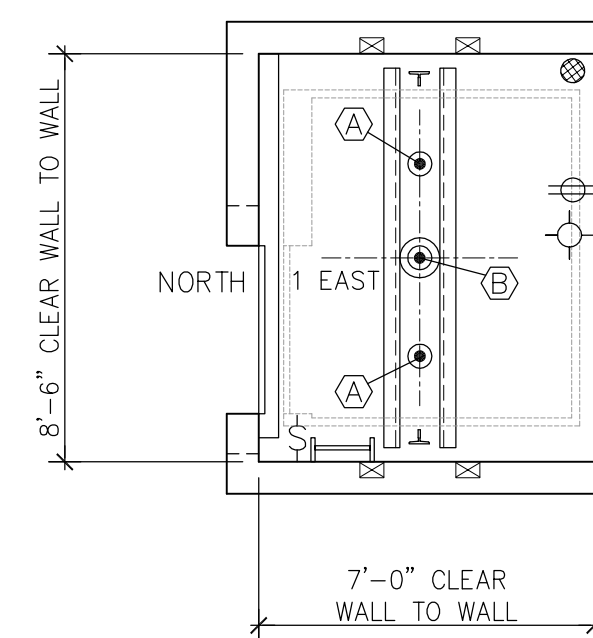
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HOISTWAY SECTION
ELEVATOR 1 EAST
 SCALE: 1/4" = 1'-0"
 DUTY: 3500# @ 125 FPM



3
 VP002
GENERIC REMOTE
MACHINE ROOM PLAN
ELEVATOR 1 EAST
 SCALE: 1/4" = 1'-0"
 DUTY: 3500# @ 125 FPM



4
 VP002
HOISTWAY PLAN
ELEVATOR 1 EAST
 SCALE: 1/4" = 1'-0"
 DUTY: 3500# @ 125 FPM



5
 VP002
PIT PLAN
ELEVATOR 1 EAST
 SCALE: 1/4" = 1'-0"
 DUTY: 3500# @ 125 FPM

HOISTWAY NOTES:

- PROVIDE MIN. 3.0 SF OF SMOKE VENTING TO OUTSIDE AIR PER ELEVATOR.
- PROVIDE HOIST BEAM TO SUPPORT 7,800#. MAKE HOISTBEAM REMOVABLE IF NECESSARY TO MEET MIN CLEAR DIMENSION. VERIFY HOIST BEAM LOCATION AND LOAD REQUIREMENTS WITH ELEVATOR CONTRACTOR.
- PROVIDE STRUCTURAL SUPPORT FOR CAR GUIDE RAIL FASTENING AT 14'-0" MAX. VERTICAL SPACING THROUGH TOP OF HOISTWAY. IF THIS SPACING CANNOT BE PROVIDED BY HOISTWAY PERIMETER BEAMS AT EACH FLOOR, AND IF ELEVATOR CONTRACTOR CANNOT PROVIDE BRACKETING FROM TOP AND BOTTOM FLANGE OF HOISTWAY PERIMETER BEAMS TO REDUCE THE SPAN AS NEEDED, PROVIDE INTERMEDIATE SUPPORT BEAMS OR CONTINUOUS VERTICAL STRUCTURE BETWEEN FLOOR BEAMS.
- ALL VERTICAL DIMENSIONS THAT ARE DIMENSIONED FROM A BUILDING FLOOR ELEVATION ARE DIMENSIONED TO THE FINISH FLOOR ELEVATION.
- VERTICAL OR ADDITIONAL HORIZONTAL STRUCTURAL SUPPORT FOR RAIL BRACKETING AS REQUIRED FOR CAR FULL HEIGHT OF HOISTWAY AND BOTH SIDES OF HOISTWAY.
- ELEVATOR CONTRACTOR TO PROVIDE CONTINUOUS FASCIA AS REQUIRED.
- PROVIDE ADEQUATE STRUCTURAL SUPPORT AS REQUIRED FOR BUFFER AND HYDRAULIC CYLINDER REACTIONS. PROVIDE SHROUD AT TOP OF CAR TO CONCEAL ELEVATOR EQUIPMENT AS REQUIRED. PROVIDE SHROUD AT TOP OF CAR TO CONCEAL ELEVATOR EQUIPMENT AS REQUIRED.
- PROVIDE MIN. 75° BEVEL GUARD AT ANY LEDGE GREATER THAN 4" AT REAR OR SIDE WALLS OF HOISTWAY (TYP). HOISTWAY GLASS SHALL MEET THE REQ'TS OF ANSI ZED97.1.
- IF REQUIRED PROVIDE A/C TO HOISTWAY.
- CAR INTERIOR GLASS SHALL MEET THE REQ'TS OF ANSI Z97.1.

MACHINE ROOM NOTES:

- PROVIDE 8" X 8" BLOCKOUT FOR HYDRAULIC OIL LINE, AND 6" X 6" BLOCKOUT FOR ELECTRICAL CONDUIT FOR EACH ELEVATOR. VERIFY LOCATION WITH ELEVATOR CONTRACTOR.
- VERIFY PATH OF OIL LINE WITH ELEVATOR CONTRACTOR. THE MACHINE ROOM AND HOISTWAY SHALL BE LOCATED ON THE SAME SIDE OF AN EXPANSION JOINT.
- PROVIDE ADEQUATE LIGHTING TO MAINTAIN MIN. 200 LUX (19 FC) ILLUMINATION AT MACHINE ROOM FLOOR.
- COORDINATE LIGHT FIXTURES AND UTILITY OUTLETS LOCATION WITH ELEVATOR CONTRACTOR.
- PROVIDE 3-PHASE MAINLINE POWER FEEDER WITH DISCONNECTING MEANS FOR EACH ELEVATOR CONTROLLER. PROVIDE 1-PHASE FEEDER WITH DISCONNECTING MEANS FOR CAR LIGHTING, VENTILATION SYSTEM AND RECEPTACLE FOR EACH ELEVATOR. THESE DISCONNECTING MEANS SHALL INCLUDE OVERCURRENT PROTECTION, SHALL BE LOCATED IN THE MACHINE ROOM, AND SHALL MEET N.E.C. REQUIREMENTS.
- LOCATE MACHINE ROOM WITHIN 40'-0" OF HOISTWAY.
- ELEVATOR CONTRACTOR PROVIDE PERMANENT MEANS TO ACCESS UNDERSIDE OF CAR AS REQUIRED.

PIT NOTES:

- PROVIDE ADEQUATE LIGHTING TO MAINTAIN MIN. 100 LUX (10 FC) ILLUMINATION AT PIT FLOOR.
- PROVIDE PIT ACCESS LADDER(S) OR DOOR(S), LIGHT SWITCH(ES), LIGHT(S), AND GFCI-PROTECTED UTILITY OUTLET(S).
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- PIT SUMP AND/OR DRAIN MAY BE PROVIDED. IF SUMP IS PROVIDED, PROVIDE GRATING COVER LEVEL WITH PIT FLOOR. IF PUMP IS PROVIDED, IT MUST BE OUTSIDE THE BOUNDS OF THE HOISTWAY.
- REACTIONS HAVE BEEN DOUBLED FOR IMPACT.
- REACTIONS DO NOT OCCUR SIMULTANEOUSLY.

PIT REACTION TABLE

DUTY: 3500# @ 125 FPM	
KEY	REACTION (FORCES IN KIPS)
(A)	14.6 CAR BUFFER
(B)	25.1 CAR CYLINDER

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A	06/18	35% SUBMITTAL SET

SUBMITTED
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 T - 415.785.7214

DESIGNED
 DRAWN

CHECKED
 CADD FILE NAME

Santa Clara Valley
Transportation
Authority

APPROVED
BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE
 11/05/18

SUBMITTAL DATE
 03/11/19

SCALE
 AS SHOWN

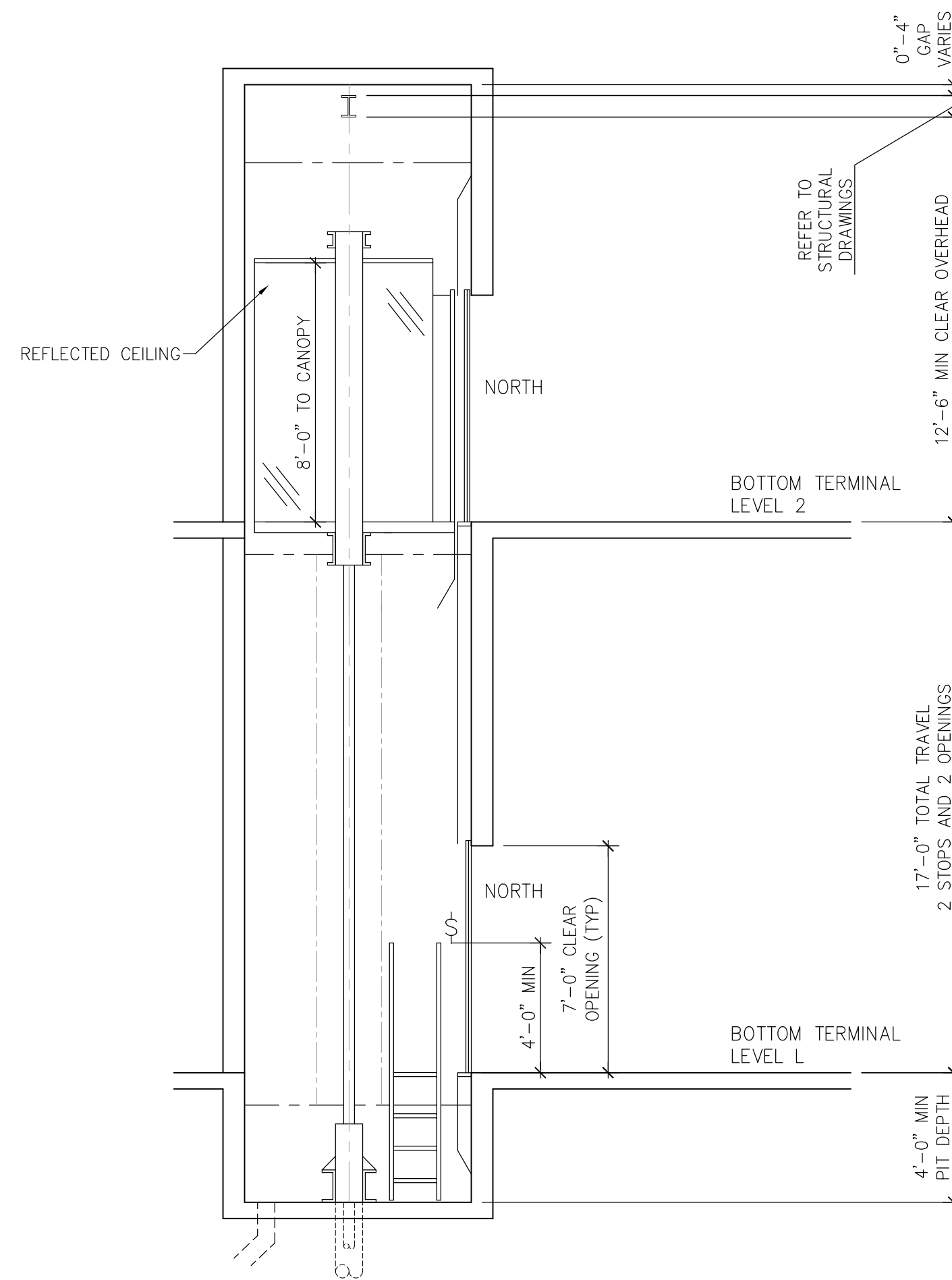
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EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
PLANS AND HOISTWAY SECTION
ELEVATOR 1 EAST

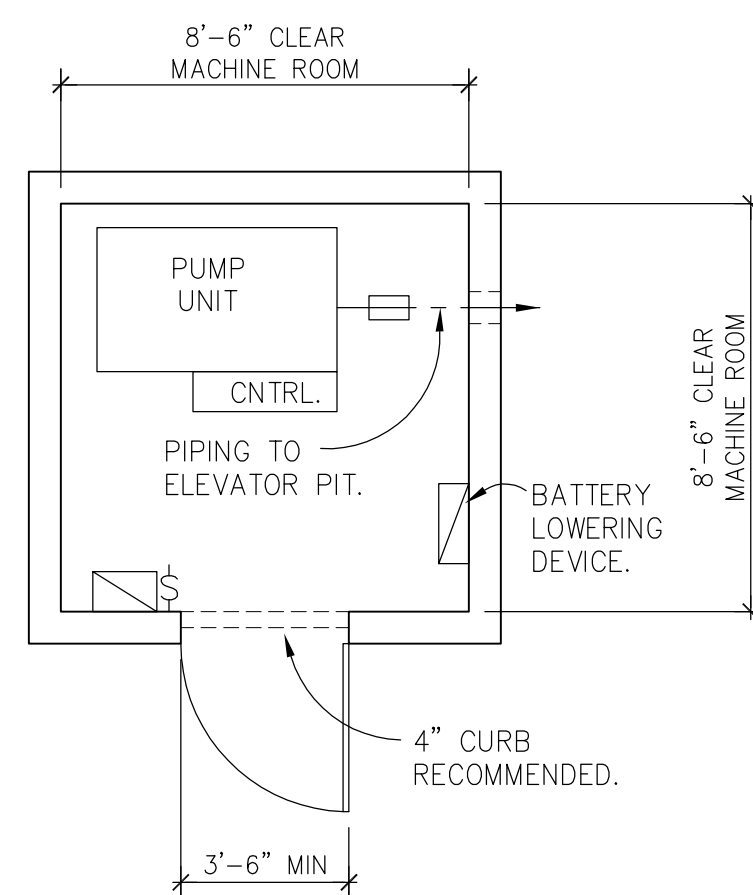
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PCA NO. 000
 CONTRACT NO. C801
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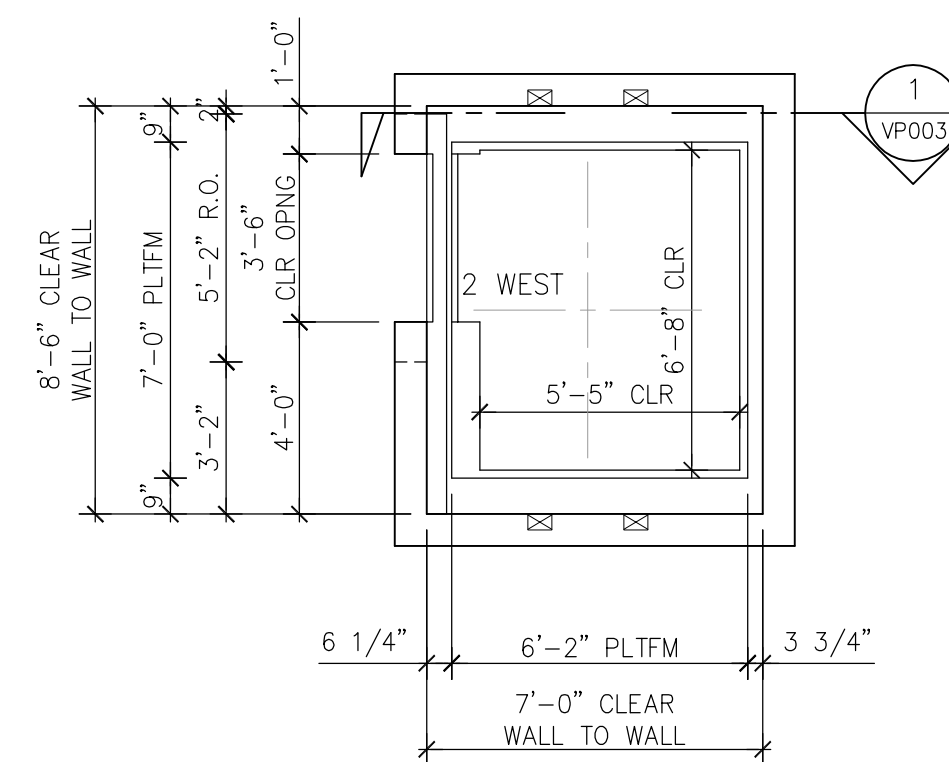
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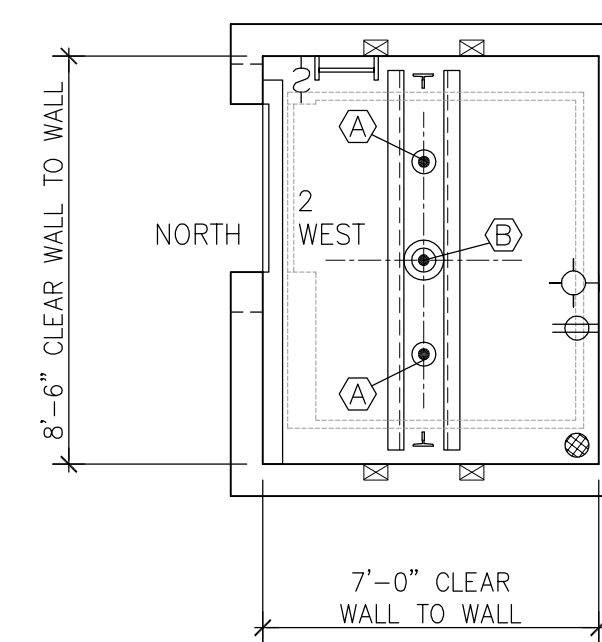
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 VP003
**HOISTWAY SECTION
 ELEVATOR 2 WEST**
 SCALE: 1/4" = 1'-0"
 DUTY: 3500# @ 125 FPM



2
 VP003
**GENERIC REMOTE
 MACHINE ROOM PLAN
 ELEVATOR 2 WEST**
 SCALE: 1/4" = 1'-0"
 DUTY: 3500# @ 125 FPM



3
 VP003
**HOISTWAY PLAN
 ELEVATOR 2 WEST**
 SCALE: 1/4" = 1'-0"
 DUTY: 3500# @ 125 FPM



4
 VP003
**PIT PLAN
 ELEVATOR 2 WEST**
 SCALE: 1/4" = 1'-0"
 DUTY: 3500# @ 125 FPM

HOISTWAY NOTES:

1. PROVIDE MIN. 3.0 SF OF SMOKE VENTING TO OUTSIDE AIR PER ELEVATOR.
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8. PROVIDE MIN. 75° BEVEL GUARD AT ANY LEDGE GREATER THAN 4" AT REAR OR SIDE WALLS OF HOISTWAY (TYP). HOISTWAY GLASS SHALL MEET THE REQ'TS OF ANSI ZED97.1.
9. IF REQUIRED PROVIDE A/C TO HOISTWAY.
10. CAR INTERIOR GLASS SHALL MEET THE REQ'TS OF ANSI Z97.1.

MACHINE ROOM NOTES:

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6. LOCATE MACHINE ROOM WITHIN 40'-0" OF HOISTWAY.
7. ELEVATOR CONTRACTOR PROVIDE PERMANENT MEANS TO ACCESS UNDERSIDE OF CAR AS REQUIRED.

PIT NOTES:

1. PROVIDE ADEQUATE LIGHTING TO MAINTAIN MIN. 100 LUX (10 FC) ILLUMINATION AT PIT FLOOR.
2. PROVIDE PIT ACCESS LADDER(S) OR DOOR(S), LIGHT SWITCH(ES), LIGHT(S), AND GFCI-PROTECTED UTILITY OUTLET(S).
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8. REACTIONS HAVE BEEN DOUBLED FOR IMPACT.
9. REACTIONS DO NOT OCCUR SIMULTANEOUSLY.

PIT REACTION TABLE

DUTY: 3500# @ 125 FPM	
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(A)	14.6 CAR BUFFER
(B)	25.1 CAR CYLINDER

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A	06/18	35% SUBMITTAL SET

SUBMITTED
LERCH BATES
Building Insight
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 PO Box 8550,
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 T - 415.785.7214

DESIGNED: B. Rosenstiel
 CHECKED: J. Feuerman
 DRAWN: B. Rosenstiel
 CADD FILE NAME: VP003

**Santa Clara Valley
 Transportation
 Authority**

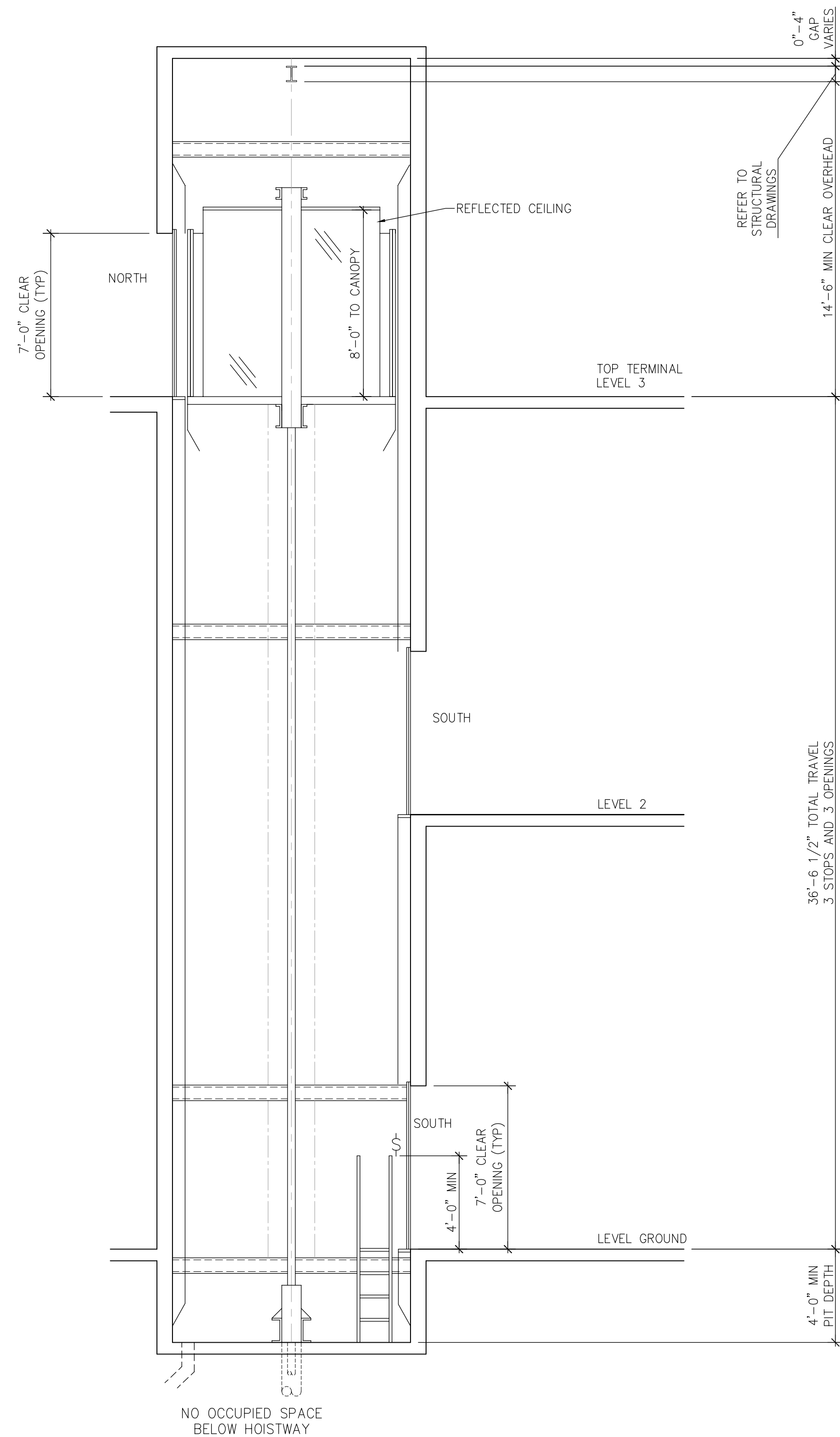
APPROVED
BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

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 BOARD APPROVAL DATE:

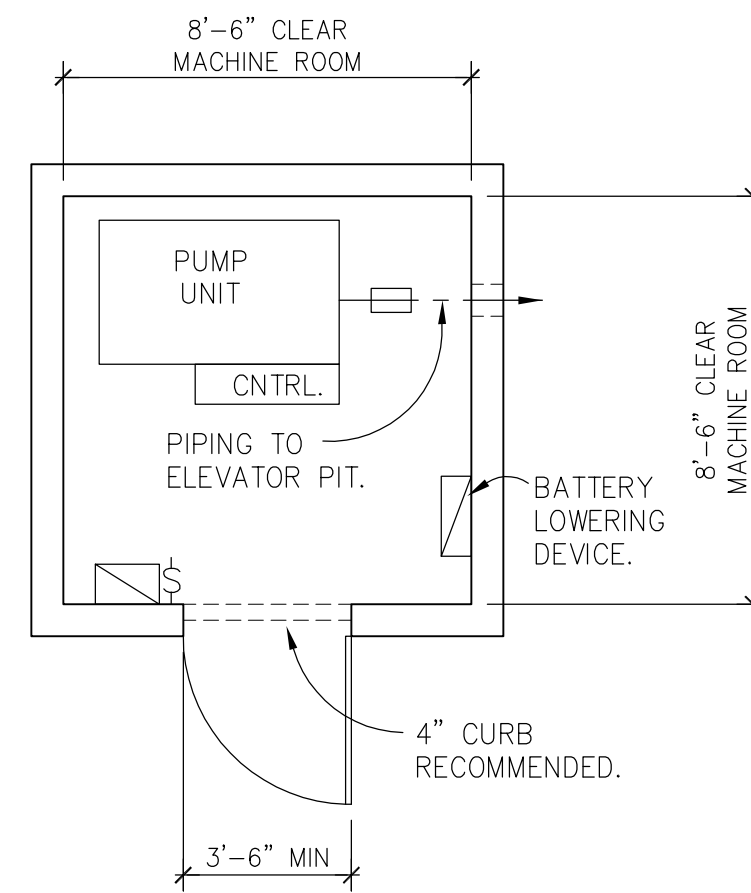
**EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 PLANS AND HOISTWAY SECTION
 ELEVATOR 2 WEST**

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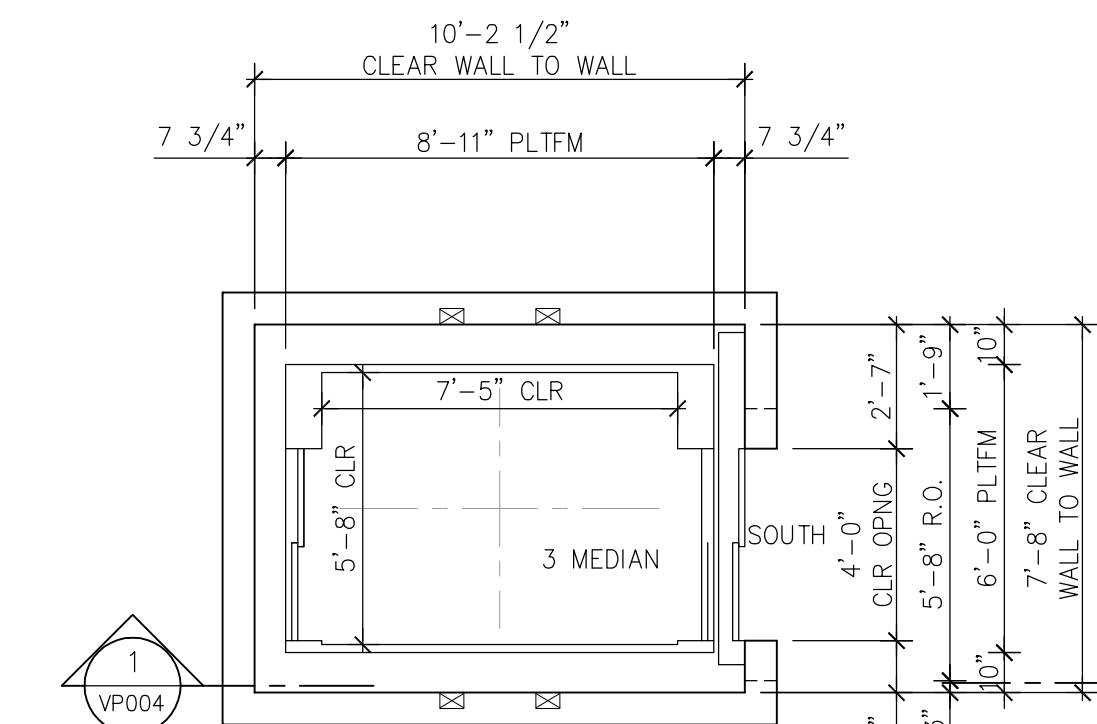
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REVISION B



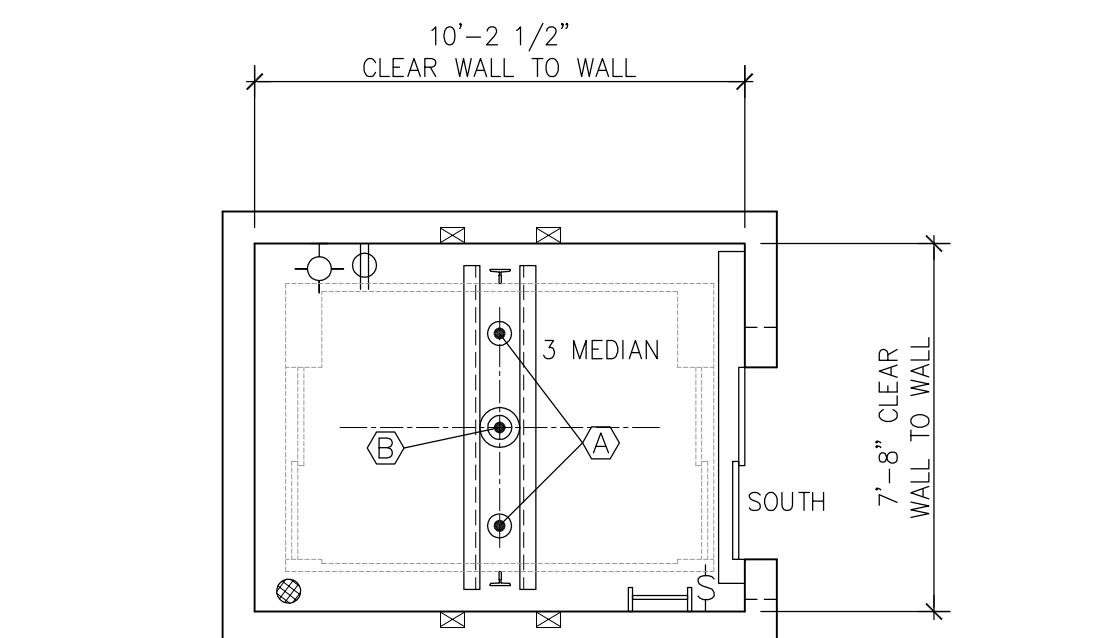
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HOISTWAY SECTION
ELEVATOR 3 MEDIAN
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DUTY: 4000# @ 125 FPM



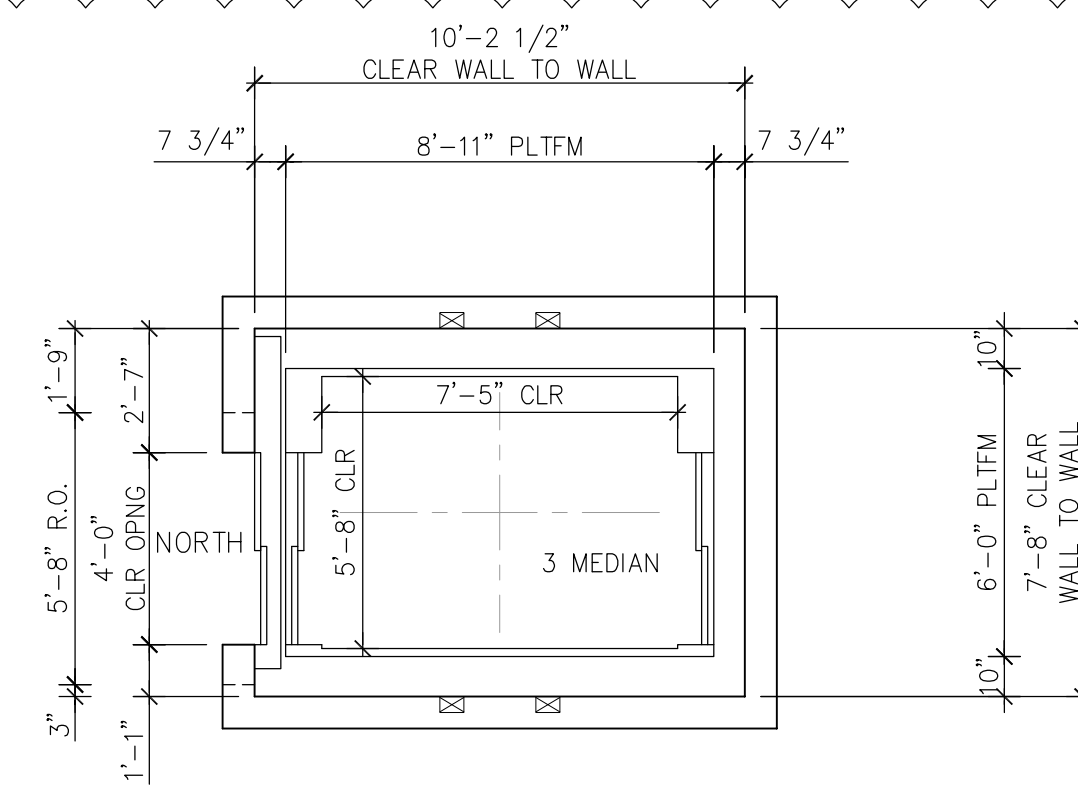
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VP004
GENERIC REMOTE
MACHINE ROOM PLAN
ELEVATOR 3 MEDIAN
SCALE: 1/4" = 1'-0"
DUTY: 4000# @ 125 FPM



4
VP004
LEVELS GROUND & BRIDGE
HOISTWAY PLAN
ELEVATOR 3 MEDIAN
SCALE: 1/4" = 1'-0"
DUTY: 4000# @ 125 FPM



5
VP004
PIT PLAN
ELEVATOR 3 MEDIAN
SCALE: 1/4" = 1'-0"
DUTY: 4000# @ 125 FPM



3
VP004
LEVEL PLATFORM
HOISTWAY PLAN
ELEVATOR 3 MEDIAN
SCALE: 1/4" = 1'-0"
DUTY: 4000# @ 125 FPM

HOISTWAY NOTES:

1. PROVIDE MIN. 3.0 SF OF SMOKE VENTING TO OUTSIDE AIR PER ELEVATOR.
2. PROVIDE HOIST BEAM TO SUPPORT 8,600#. MAKE HOISTBEAM REMOVABLE IF NECESSARY TO MEET MIN CLEAR DIMENSION. VERIFY HOIST BEAM LOCATION AND LOAD REQUIREMENTS WITH ELEVATOR CONTRACTOR.
3. PROVIDE SHROUD AT TOP OF CAR TO CONCEAL ELEVATOR EQUIPMENT AS REQUIRED. PROVIDE SHROUD AT TOP OF CAR TO CONCEAL ELEVATOR EQUIPMENT AS REQUIRED.
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8. PROVIDE ADEQUATE STRUCTURAL SUPPORT AS REQUIRED FOR BUFFER AND HYDRAULIC CYLINDER REACTIONS.
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11. IF REQUIRED PROVIDE A/C TO HOISTWAY.
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MACHINE ROOM NOTES:

1. PROVIDE 8" X 8" BLOCKOUT FOR HYDRAULIC OIL LINE, AND 6" X 6" BLOCKOUT FOR ELECTRICAL CONDUIT FOR EACH ELEVATOR. VERIFY LOCATION WITH ELEVATOR CONTRACTOR.
2. VERIFY PATH OF OIL LINE WITH ELEVATOR CONTRACTOR. THE MACHINE ROOM AND HOISTWAY SHALL BE LOCATED ON THE SAME SIDE OF AN EXPANSION JOINT.
3. PROVIDE ADEQUATE LIGHTING TO MAINTAIN MIN. 200 LUX (19 FC) ILLUMINATION AT MACHINE ROOM FLOOR.
4. COORDINATE LIGHT FIXTURES AND UTILITY OUTLETS LOCATION WITH ELEVATOR CONTRACTOR.
5. PROVIDE 3-PHASE MAINLINE POWER FEEDER WITH DISCONNECTING MEANS FOR EACH ELEVATOR CONTROLLER. PROVIDE 1-PHASE FEEDER WITH DISCONNECTING MEANS FOR CAR LIGHTING, VENTILATION SYSTEM AND RECEPTACLE FOR EACH ELEVATOR. THESE DISCONNECTING MEANS SHALL INCLUDE OVERCURRENT PROTECTION, SHALL BE LOCATED IN THE MACHINE ROOM, AND SHALL MEET N.E.C. REQUIREMENTS.
6. LOCATE MACHINE ROOM WITHIN 40'-0" OF HOISTWAY.
7. ELEVATOR CONTRACTOR PROVIDE PERMANENT MEANS TO ACCESS UNDERSIDE OF CAR AS REQUIRED.

PIT NOTES:

1. PROVIDE ADEQUATE LIGHTING TO MAINTAIN MIN. 100 LUX (10 FC) ILLUMINATION AT PIT FLOOR.
2. PROVIDE PIT ACCESS LADDER(S) OR DOOR(S), LIGHT SWITCH(ES), LIGHT(S), AND GFCI-PROTECTED UTILITY OUTLET(S).
3. PROVIDE 8" X 8" BLOCKOUT FOR HYDRAULIC OIL LINE, AND 6" X 6" BLOCKOUT FOR ELECTRICAL CONDUIT FOR EACH ELEVATOR. VERIFY LOCATION WITH ELEVATOR CONTRACTOR.
4. VERIFY PATH OF OIL LINE WITH ELEVATOR CONTRACTOR.
5. COORDINATE LIGHT FIXTURES AND UTILITY OUTLETS LOCATION WITH ELEVATOR CONTRACTOR.
6. PROVIDE ADEQUATE STRUCTURAL SUPPORT AS REQUIRED FOR BUFFER AND HYDRAULIC CYLINDER REACTIONS.
7. PIT SUMP AND/OR DRAIN MAY BE PROVIDED. IF SUMP IS PROVIDED, PROVIDE GRATING COVER LEVEL WITH PIT FLOOR. IF PUMP IS PROVIDED, IT MUST BE OUTSIDE THE BOUNDS OF THE HOISTWAY.
8. REACTIONS HAVE BEEN DOUBLED FOR IMPACT.
9. REACTIONS DO NOT OCCUR SIMULTANEOUSLY.

PIT REACTION TABLE

DUTY: 4000# @ 125 FPM		
KEY	REACTION (FORCES IN KIPS)	
(A)	17.6	CAR BUFFER
(B)	31.4	CAR CYLINDER

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backy Jul 25, 2020 - 6:20am \\01.1.80\075-Projects\Projects\460_San Francisco\010020416-01_EBRC_VTA_Project\Drawings\Lerch Bates\InProgress\460_010020416-01_EBRC_VTA_Project.dwg

NO.	DATE	REVISIONS
C	04/20	95% SUBMITTAL SET
B	03/19	65% SUBMITTAL SET
A	06/18	35% SUBMITTAL SET

SUBMITTED
LERCH BATES
San Francisco Office
PO Box 8550,
Emeryville, CA 94662
T- 415.785.7214

DESIGNED: B. Rosenstiel
CHECKED: J. Feuerman
DRAWN: B. Rosenstiel
CADD FILE NAME: VP004

Santa Clara Valley Transportation Authority

APPROVED
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ENGINEERS / SURVEYORS / PLANNERS

CADD FILE DATE: 11/05/18
SCALE: AS SHOWN
SUBMITTAL DATE: 03/11/19
BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
PLANS AND HOISTWAY SECTION
ELEVATOR 3 MEDIAN

PCA NO. 000
CONTRACT NO. C801
FILE LOCATION

SHEET OF 000
DRAWING NO. VP004
REVISION B

Typography

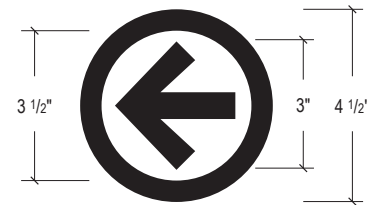
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Helvetica Neue Bold
 Typical Typeface

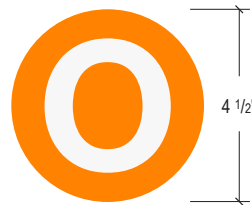
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Helvetica Neue Medium
 ADA Typeface

Arrows & Symbols



Directional Arrow
 Typical Layout
 Scale: 3" = 1'-0"



Light Rail Line Symbol
 Typical Layout



Non Smoking Symbol
 Typical Layout

Symbol Variances



Pylon Line Identity



Colors & Materials



Light Rail Orange Line
 Pantone 151 C



ADA Blue
 Pantone 293 C



Red
 Pantone 1797 C



Yellow
 Pantone 2592 C



VTA Brand
 Pantone 2945 C



VTA Brand
 Pantone 298 C



VTA Brand
 Pantone Warm Gray 7 C

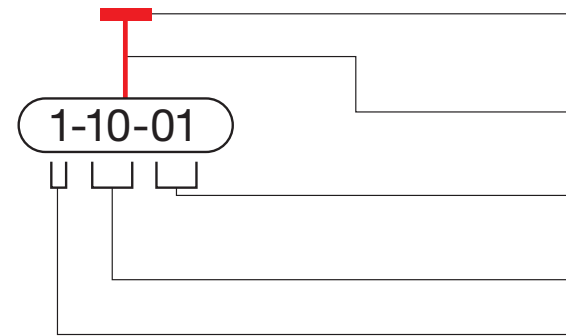


VTA Brand
 Pantone 302 C

Logo Brand Identity



Sign Location Lozenge Configuration



INDICATION OF SIGN TO BE SHOWN AT APPROXIMATE LOCATION ON LOCATION PLAN. NOTE: THIS SHAPE IS NOT TO SCALE ON THE LOCATION PLANS.

FOR SINGLE-FACED SIGNS, THE LOZENGE IS CONNECTED TO THE FACE OF THE SIGN ON WHICH THE MESSAGE IS DISPLAYED. ON MULTIPLE-FACED SIGNS, REFER TO THE GRAPHIC SCHEDULE.

THE LAST NUMBER IS THE ITEM NUMBER AND IT REFERS TO A SPECIFIC SIGN IN A SIGN TYPE WITH UNIQUE "COPY", SYMBOL, OR OTHER GRAPHIC ELEMENT.

THE SECOND SECTION NUMBER REFERS TO THE SIGN TYPE I.E. A GROUP OF SIGNS SIMILAR IN SIZE, AND SHAPE OR CONFIGURATION.

THE FIRST SECTION NUMBER REFERS TO THE STATION. EACH STATION IS DESIGNATED A NUMBER I.E. 1 IS FOR STORY AND 2 IS FOR EASTRIDGE

NO.	DATE	REVISIONS
4	06/20	95% SUBMITTAL SET
3	04/20	95% SUBMITTAL SET
2	12.05.19	95% OTS REVIEW
1	7.22.19	SCHEMATIC REVIEW

SUBMITTED
SKADESIGN

DESIGNED	CHECKED
R. Khan	J. Stoddard
DRAWN	CADD FILENAME
A. Lockhart	

Santa Clara Valley
**Transportation
 Authority**

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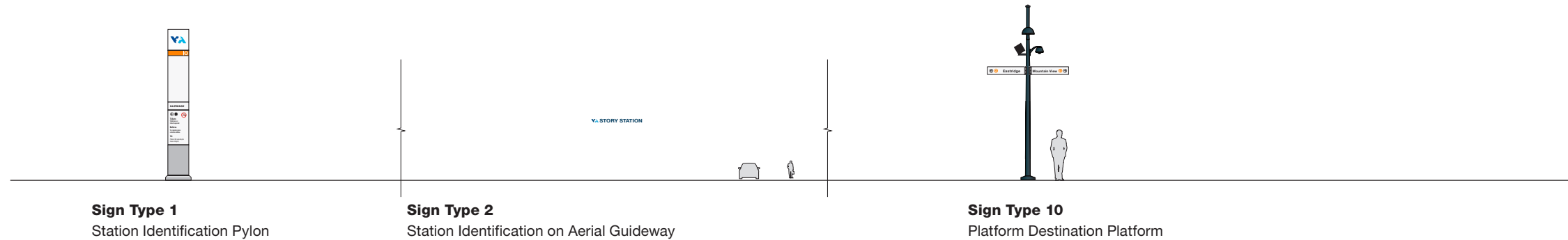
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06/20/20	As Noted
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

APPROVED

EASTRIDGE TO BART REGIONAL CONNECTOR
 CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
 ARCHITECTURAL -
GRAPHIC STANDARDS

PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

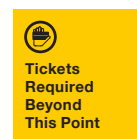
SHEET
OF 000
DRAWING NO.
SG100
REVISION
B



Sign Type 18
Accessible Signage



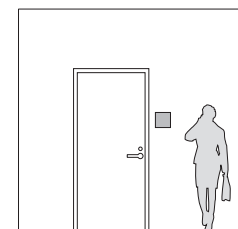
Sign Type 19
Warning Signage



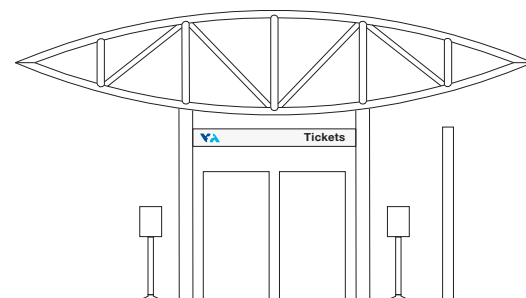
Sign Type 20
Restrictive Signage



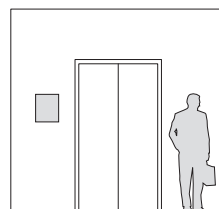
Sign Type 21
Information Signage



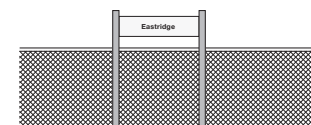
Sign Type 22
ADA Braille Room Identification



Sign Type 23
Overhead Identification



Sign Type 24
ADA Braille Elevator Identification



Sign Type 25
Double Post Station Identification



Sign Type 26
Fence Mounted Station Identification



Sign Type 31
Kiosk Station Identification

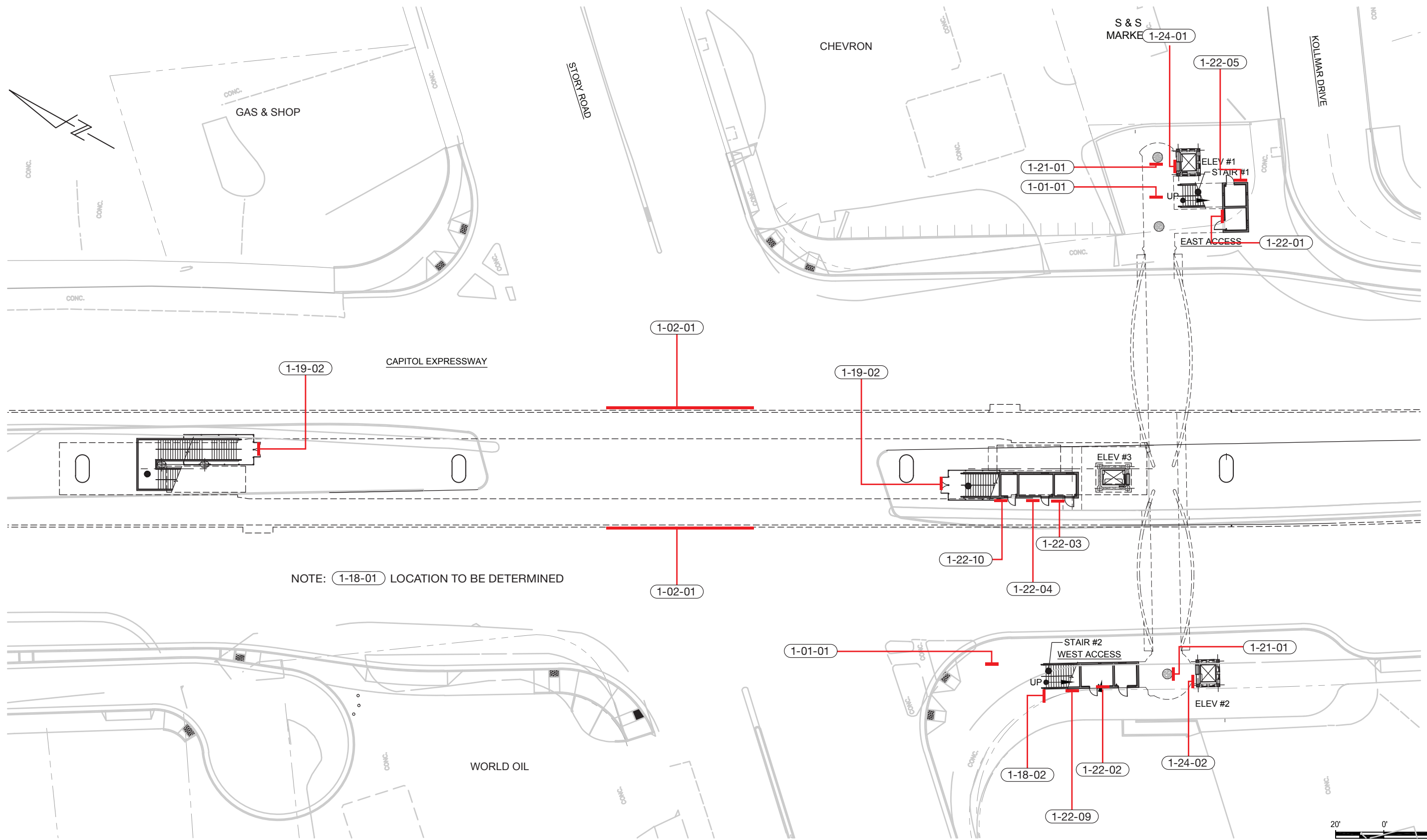
NO.	DATE	REVISIONS
4	06/20	95% SUBMITTAL SET
3	04/20	95% SUBMITTAL SET
2	12.05.19	95% OTS REVIEW
1	7.22.19	SCHEMATIC REVIEW

SUBMITTED	
SKADESIGN	
DESIGNED	CHECKED
R. Khan	J. Stoddard
DRAWN	CADD FILENAME
A. Lockhart	



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EXPORT DATE	SCALE
06/20/20	As Noted
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL - SIGN TYPE MENU		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE
SHEET OF	DRAWING NO.	REVISION
	SG101	B



NO.	DATE	REVISIONS
4	06/20	95% SUBMITTAL SET
3	04/20	95% SUBMITTAL SET
2	12.05.19	95% OTS REVIEW
1	7.22.19	SCHEMATIC REVIEW

DESIGNED	CHECKED
R. Khan	J. Stoddard
DRAWN	CADD FILENAME
A. Lockhart	

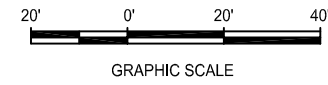
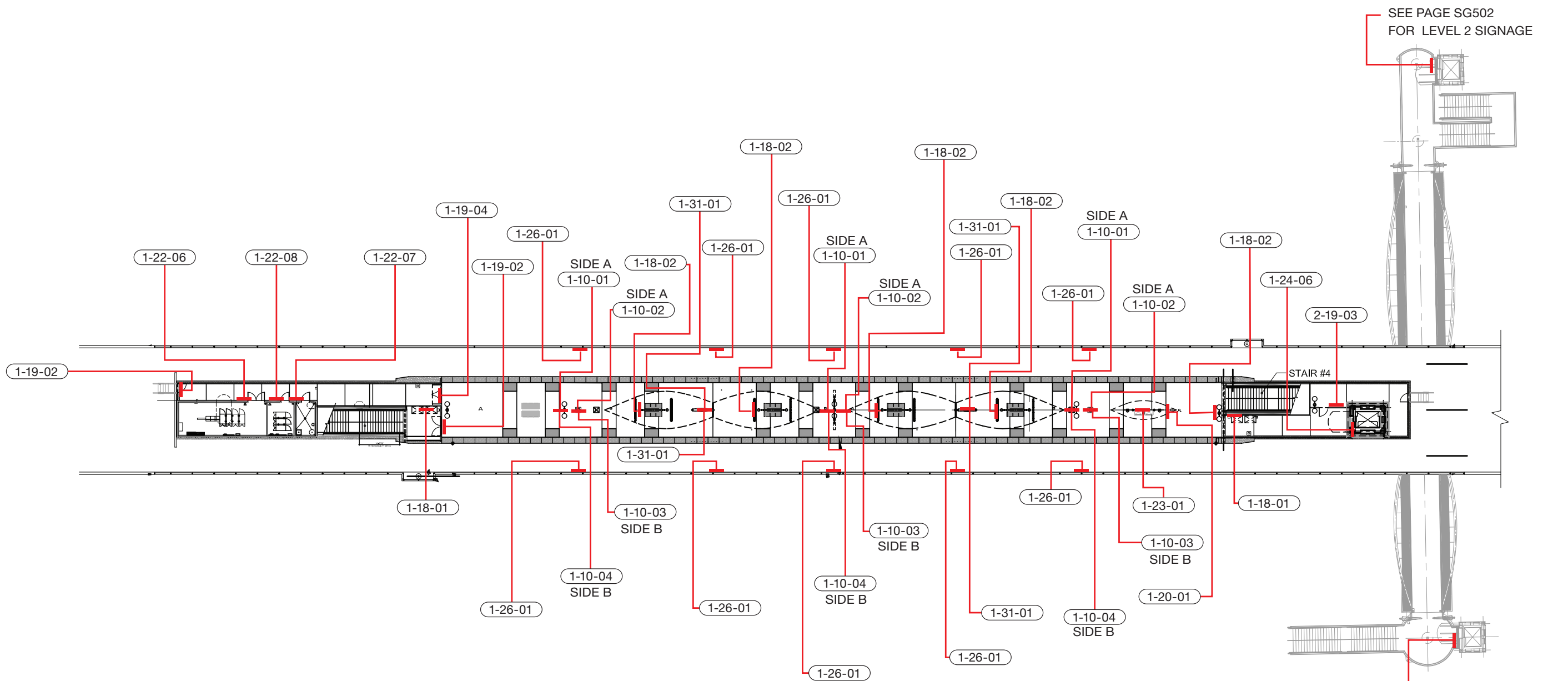
SKADESIGN

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EXPORT DATE	SCALE
06/20/20	As Noted
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL - STORY STATION SIGNAGE LOCATION PLAN GROUND LEVEL			SHEET OF 000 DRAWING NO. SG-500 REVISION B
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	



NO.	DATE	REVISIONS
4	06/20	95% SUBMITTAL SET
3	04/20	95% SUBMITTAL SET
2	12.05.19	95% OTS REVIEW
1	7.22.19	SCHEMATIC REVIEW

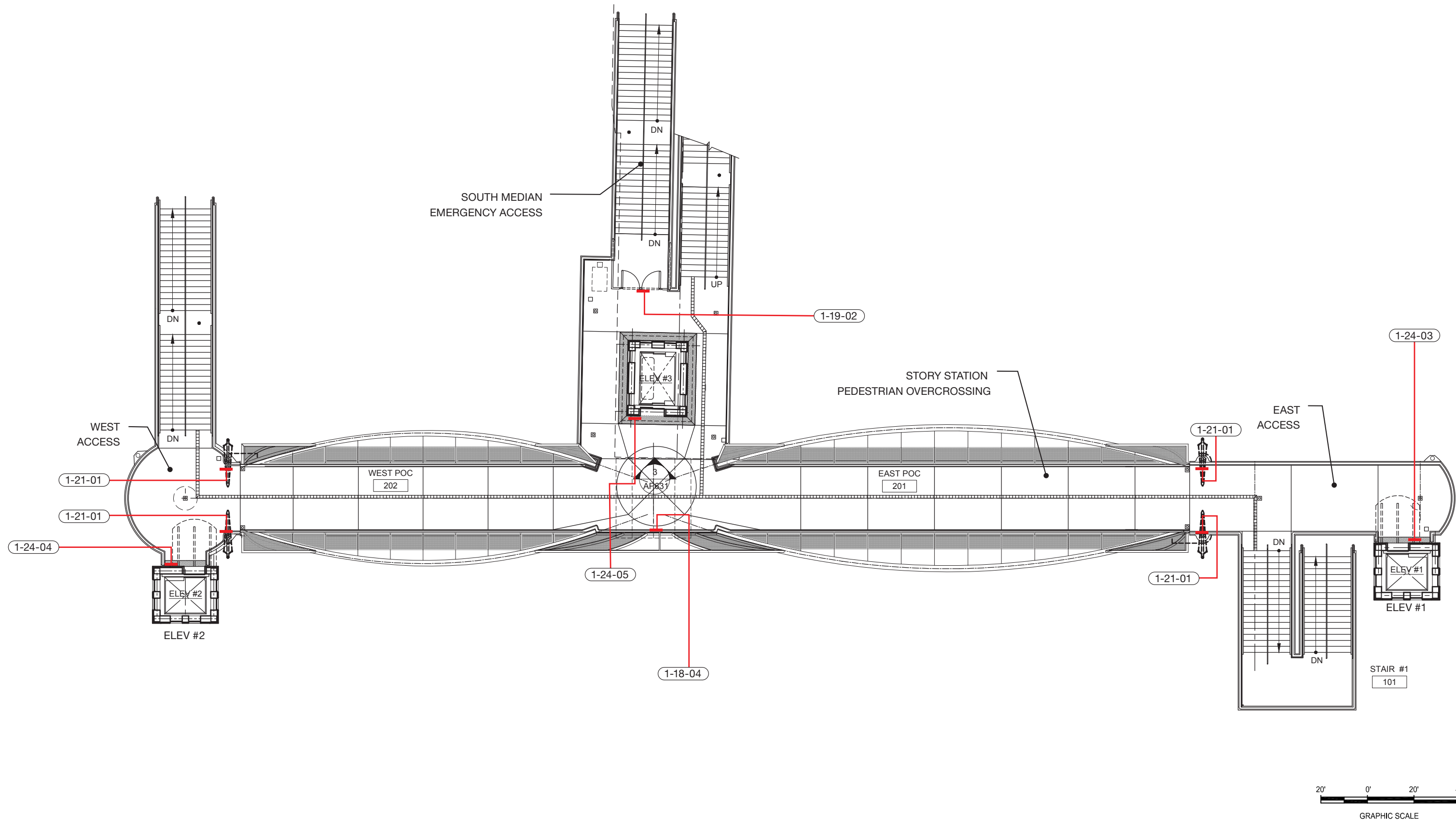
SUBMITTED	
SKADESIGN	
DESIGNED	CHECKED
R. Khan	J. Stoddard
DRAWN	CADD FILENAME
A. Lockhart	


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Transportation
Authority**


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EXPORT DATE	SCALE
06/20/20	As Noted
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL - STORY STATION LOCATION PLAN PLATFORM LEVEL			SHEET OF 000 DRAWING NO. SG-501 REVISION B
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	



NO.	DATE	REVISIONS
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3	04/20	95% SUBMITTAL SET
2	12.05.19	95% OTS REVIEW
1	7.22.19	SCHEMATIC REVIEW

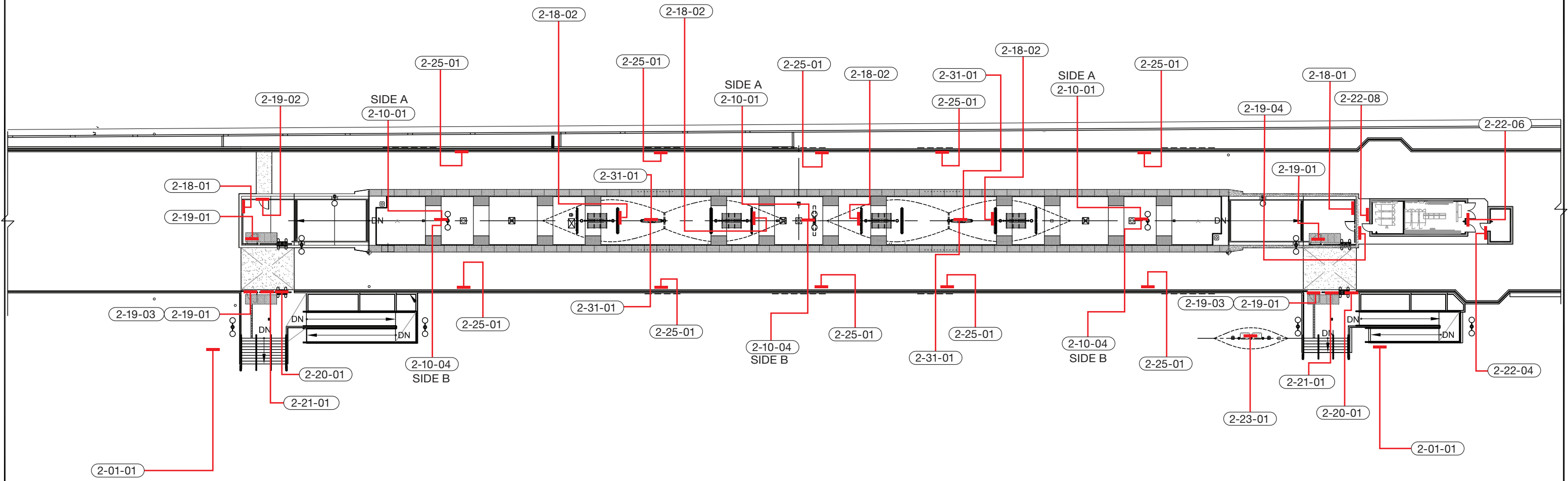
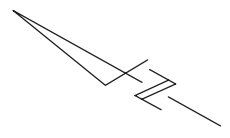
SUBMITTED
SKADESIGN

DESIGNED R. Khan	CHECKED J. Stoddard
DRAWN A. Lockhart	CADD FILENAME



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BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
EXPORT DATE 06/20/20	SCALE As Noted
SUBMITTAL DATE 06/29/20	BOARD APPROVAL DATE

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL - STORY STATION LOCATION PLAN PEDESTRIAN BRIDGE			SHEET OF 000 DRAWING NO. SG502 REVISION B
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	



NO.	DATE	REVISIONS
4	06/20	95% SUBMITTAL SET
3	04/20	95% SUBMITTAL SET
2	12.05.19	95% OTS REVIEW
1	7.22.19	SCHEMATIC REVIEW

SKADESIGN

DESIGNED: R. Khan CHECKED: J. Stoddard
DRAWN: A. Lockhart CADD FILE NAME:

Santa Clara Valley
Transportation
Authority

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ENGINEERS / SURVEYORS / PLANNERS

EXPORT DATE: 06/20/20 SCALE: As Noted
SUBMITTAL DATE: 06/29/20 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL -
**EASTRIDGE STATION SIGNAGE LOCATION
PLAN PLATFORM LEVEL**

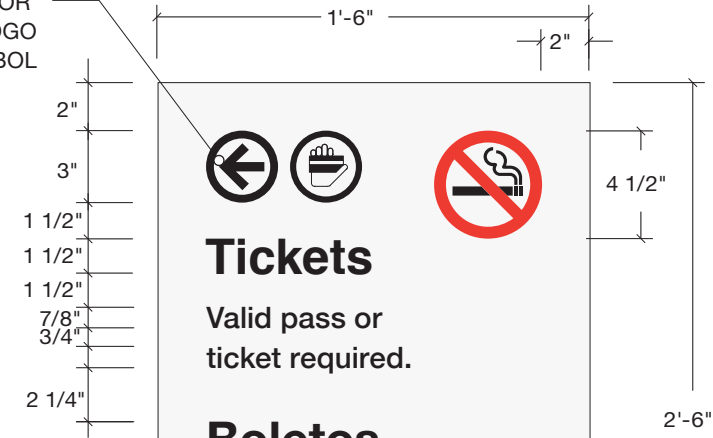
PCA NO. 000 CONTRACT NO. C801 FILE LOCATION PROJECTWISE

SHEET OF 000
DRAWING NO. SG503
REVISION B

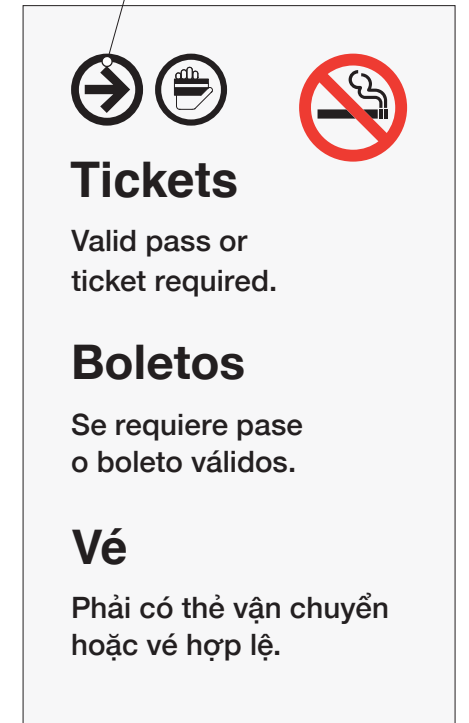


REFERENCE PHOTO

DIE-CUT VINYL OR SCREENED COPY, LOGO & SYMBOL

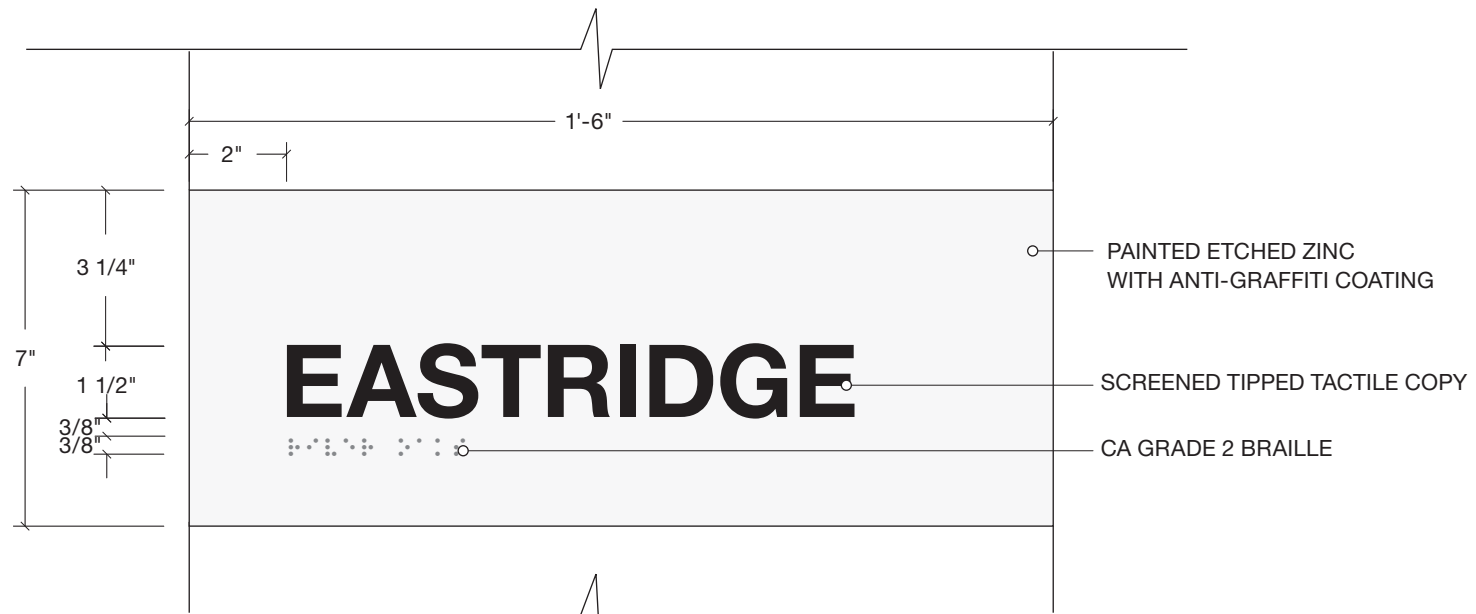


SIGN TO BE DOUBLE FACED. OPPOSITE SIDE TO HAVE ARROW POINTING IN THE OTHER DIRECTION

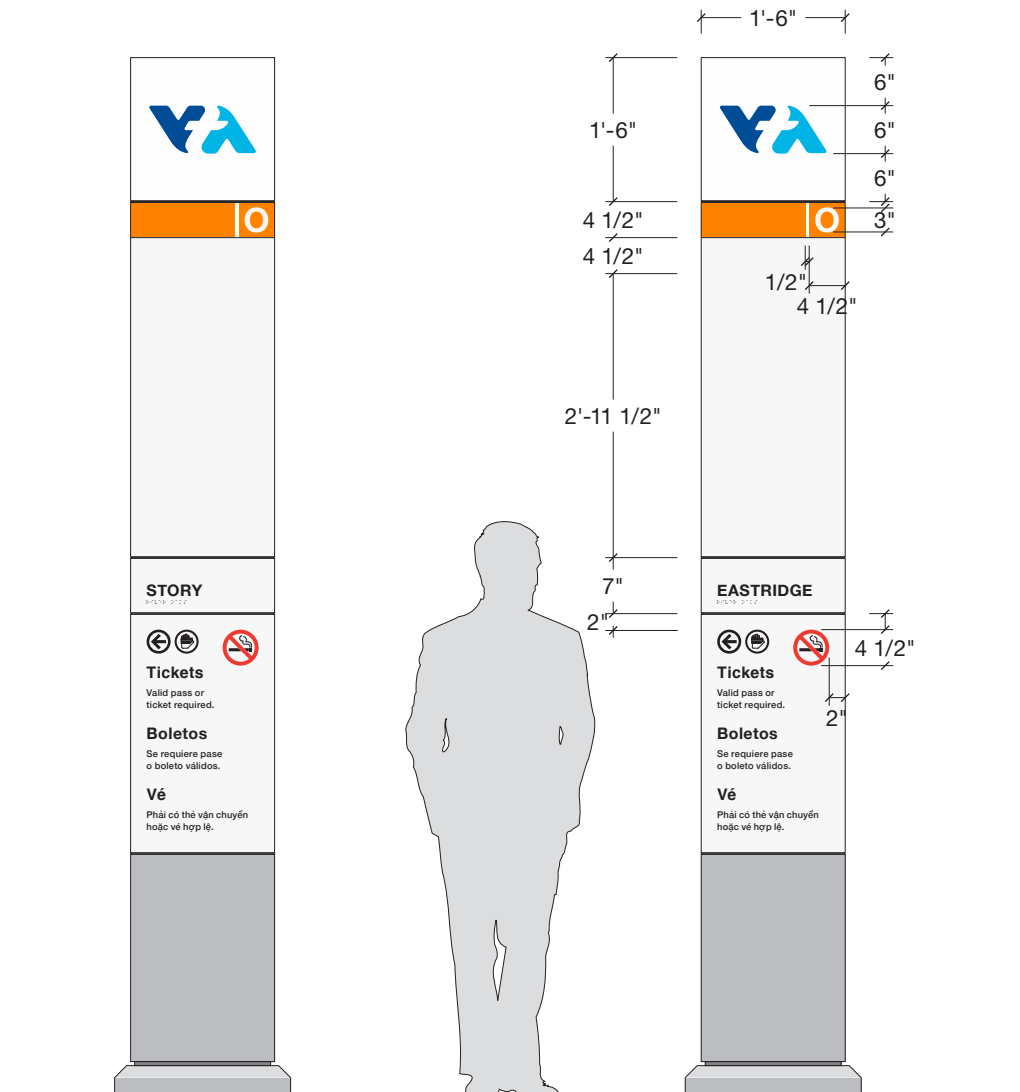


1-01-01
LAYOUT AT STORY
Scale: 1 1/2" = 1'-0"

LAYOUT DETAIL
Scale: 1 1/2" = 1'-0"



2-01-01 ADA PLAQUE
Scale: 3" = 1'-0"



2-01-01 FRONT ELEVATION
Scale: 1/2" = 1'-0"

1-01-01

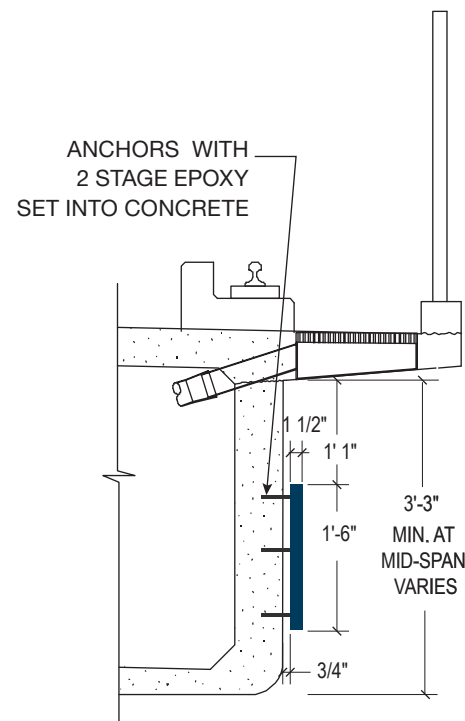
NO.	DATE	REVISIONS
4	06/20	95% SUBMITTAL SET
3	04/20	95% SUBMITTAL SET
2	12.05.19	95% OTS REVIEW
1	7.22.19	SCHEMATIC REVIEW

SUBMITTED	
SKADESIGN	
DESIGNED	CHECKED
R. Khan	J. Stoddard
DRAWN	CADD FILE NAME
A. Lockhart	

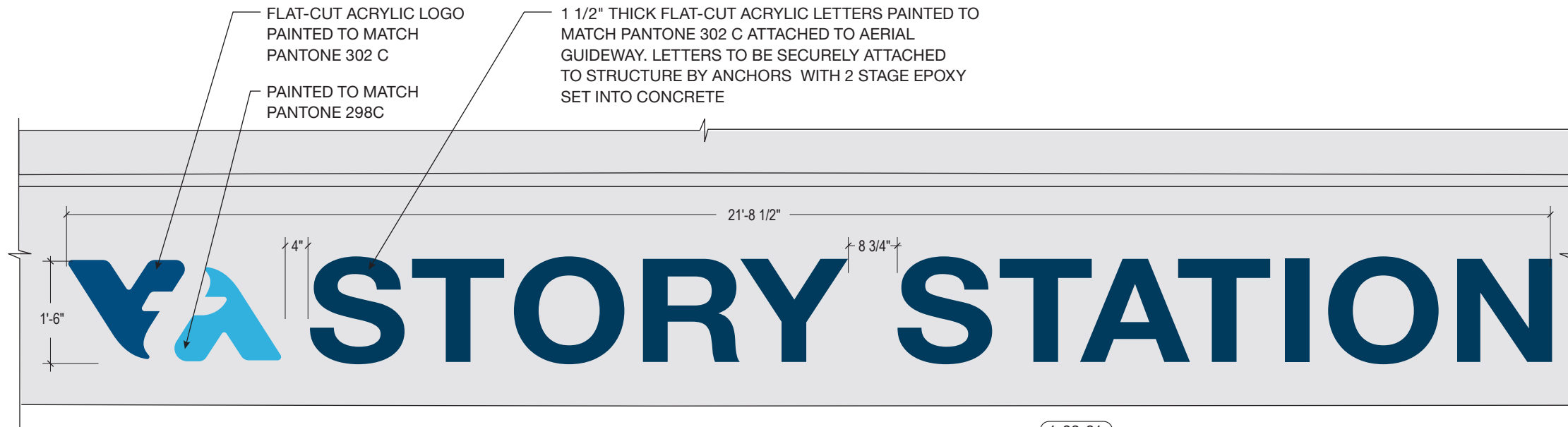


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BKF 100+ YEARS	
ENGINEERS / SURVEYORS / PLANNERS	
EXPORT DATE	SCALE
06/20/20	As Noted
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR			SHEET
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT			OF 000
ARCHITECTURAL			DRAWING NO. SG600
SIGN TYPE 1: STATION			REVISION
IDENTIFICATION PYLON			B
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	

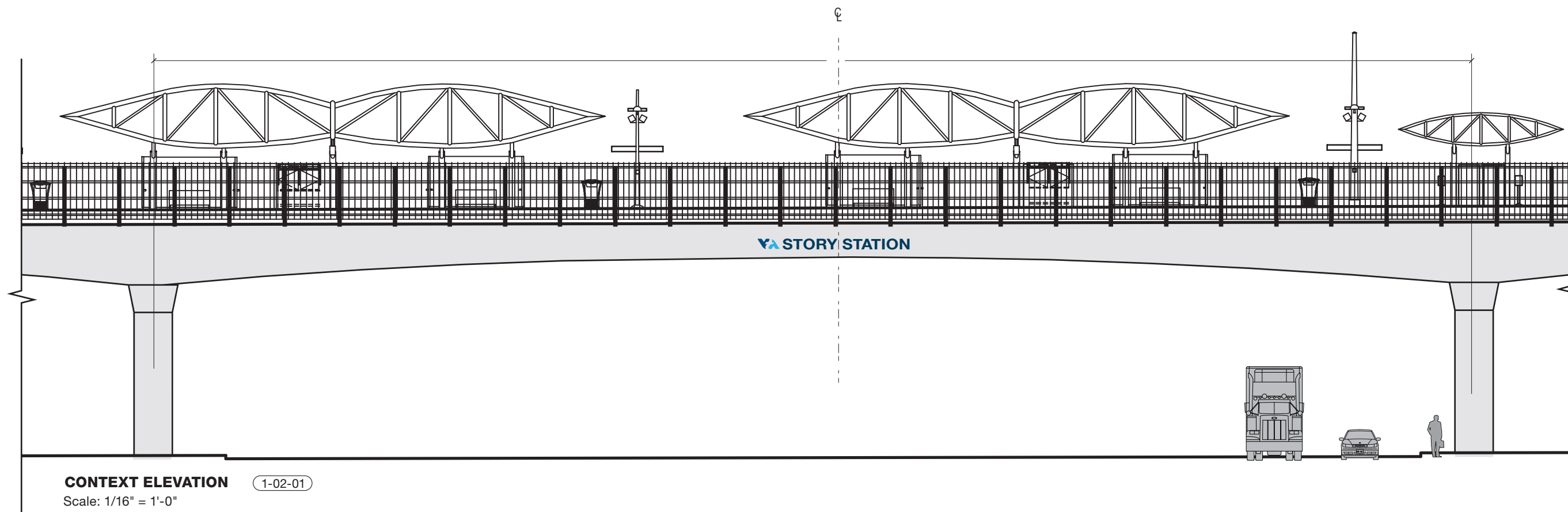


SECTION VIEW
Scale: 1/2" = 1'-0"



FRONT ELEVATION
Scale: 1/2" = 1'-0"

1-02-01



CONTEXT ELEVATION 1-02-01
Scale: 1/16" = 1'-0"

NO.	DATE	REVISIONS
4	06/20	95% SUBMITTAL SET
3	04/20	95% SUBMITTAL SET
2	12.05.19	95% OTS REVIEW
1	7.22.19	SCHEMATIC REVIEW

SUBMITTED
SKADESIGN

DESIGNED	CHECKED
R. Khan	J. Stoddard
DRAWN	CADD FILENAME
A. Lockhart	



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EXPORT DATE: 06/20/20	SCALE: As Noted
SUBMITTAL DATE: 06/29/20	BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL		
SIGN TYPE 2: STATION IDENTIFICATION ON AERIAL GUIDEWAY		
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE
SHEET OF 000	DRAWING NO. SG601	REVISION B

← Mountain View

1-10-04 SIDE B
2-10-04

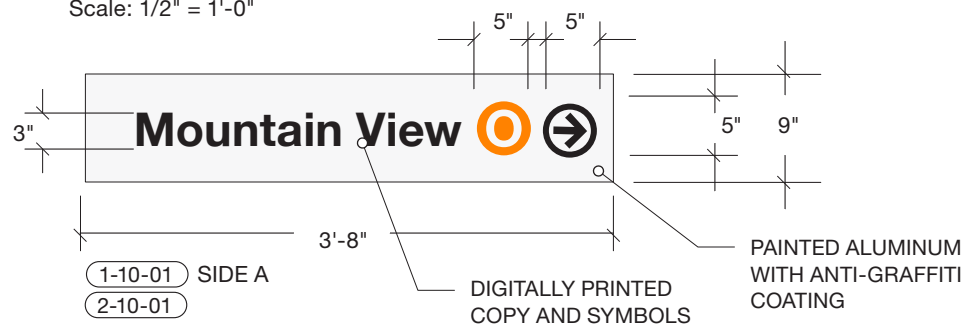
← Eastridge

1-10-02 SIDE A

Eastridge →

1-10-03 SIDE B

COPY LAYOUTS
Scale: 1/2" = 1'-0"

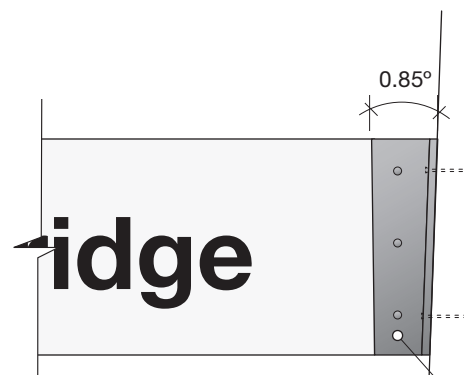


1-10-01 SIDE A
2-10-01

FRONT ELEVATION
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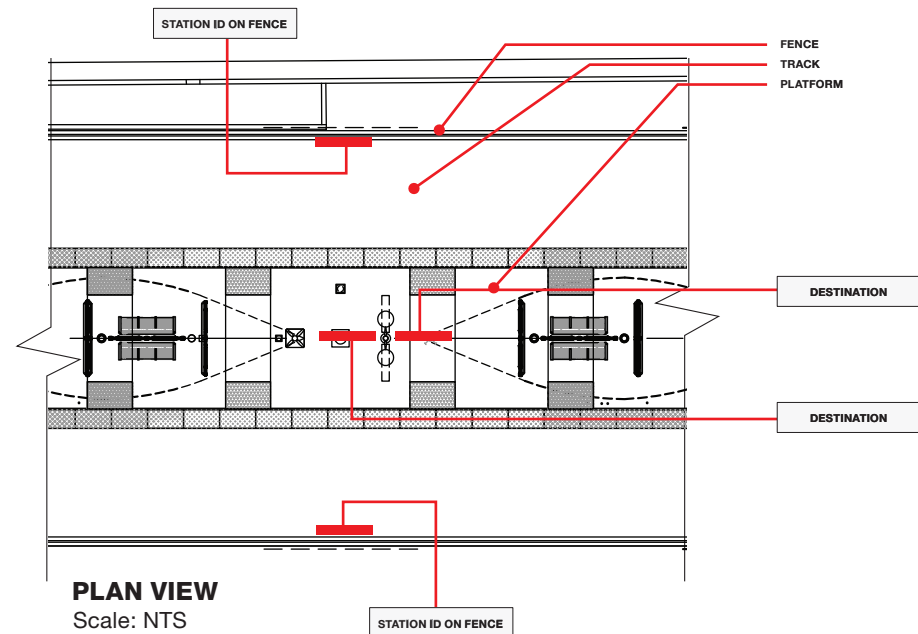


1-10-01 **CONTEXT ELEVATION**
Scale: 1/4" = 1'-0"

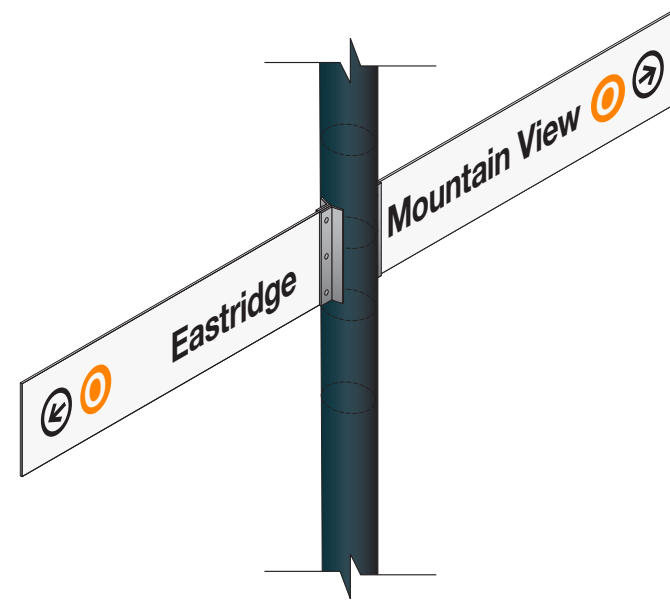


MOUNTING DETAIL
Scale: 1 1/2" = 1'-0"

SIGN CONTRACTOR TO FIELD VERIFY CONDITION AND FABRICATE BRACKET TO ANGLE AND DIAMETER OF POLE. SHOW ATTACHMENT DETAILS ON SHOP DRAWINGS.



PLAN VIEW
Scale: NTS



ISOMETRIC VIEW
Scale: NTS

NO.	DATE	REVISIONS
4	06/20	95% SUBMITTAL SET
3	04/20	95% SUBMITTAL SET
2	12.05.19	95% OTS REVIEW
1	7.22.19	SCHEMATIC REVIEW

DESIGNED	R. Khan
CHECKED	J. Stoddard
DRAWN	A. Lockhart

SKADESIGN

Santa Clara Valley Transportation Authority

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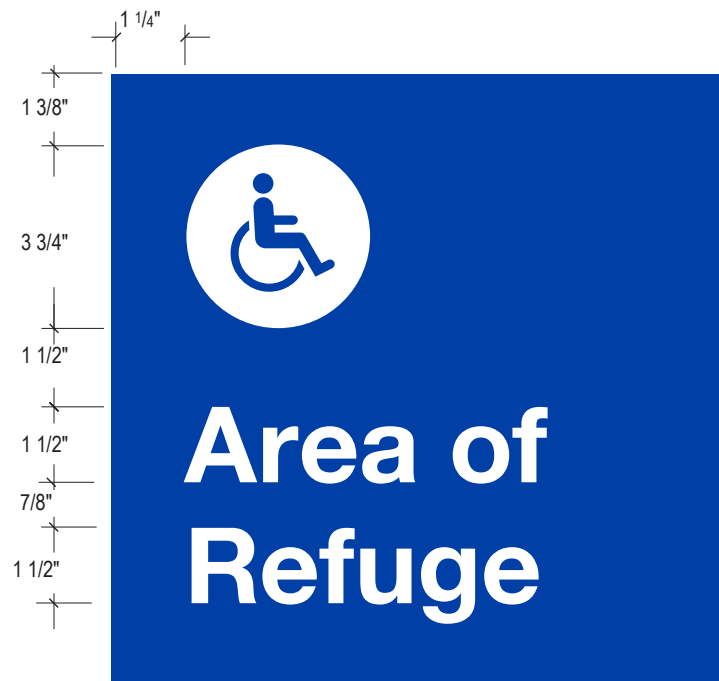
EXPORT DATE: 06/20/20
SUBMITTAL DATE: 06/29/20

SCALE: As Noted
BOARD APPROVAL DATE:

PCA NO.	000
CONTRACT NO.	C801
FILE LOCATION	PROJECTWISE

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL
SIGN TYPE 10: DESTINATION PLATFORM SIGNAGE

SHEET OF	000
DRAWING NO.	SG602
REVISION	B

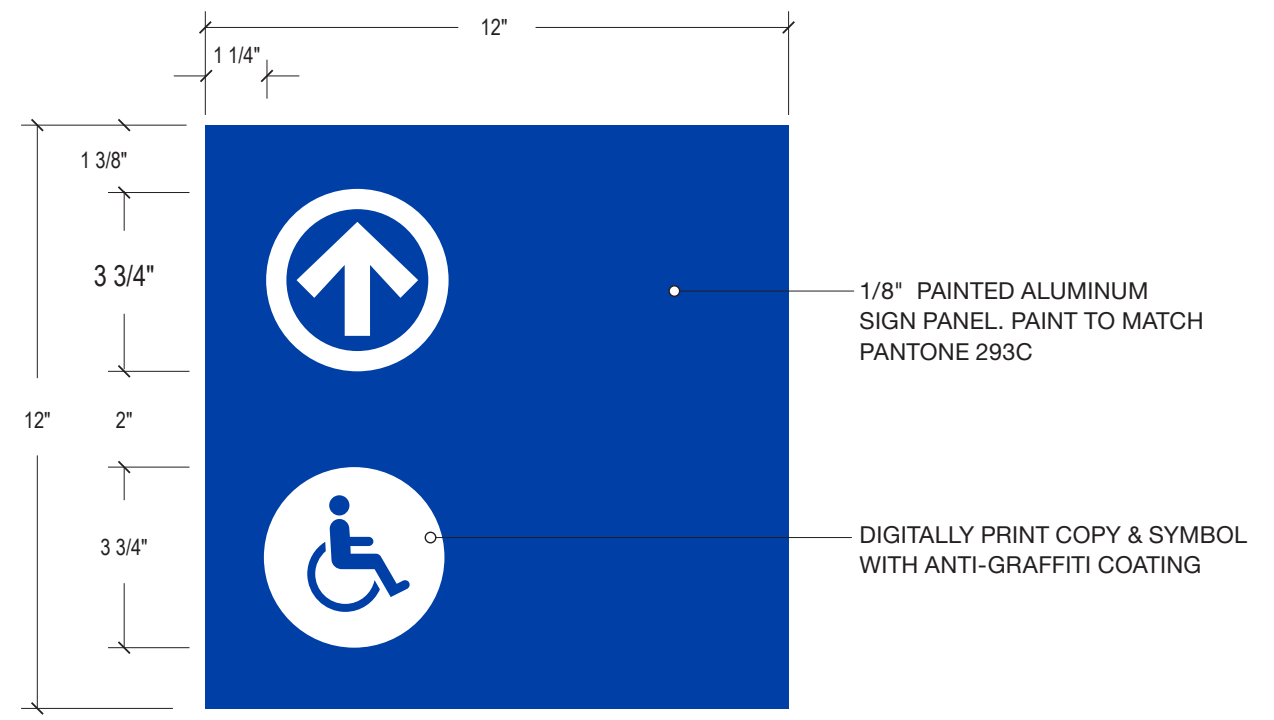


1-18-01 2-18-01

COPY LAYOUTS
Scale: 3" = 1'-0"



1-18-04



1-18-02 2-18-02

FRONT ELEVATION
Scale: 3" = 1'-0"

1/8" PAINTED ALUMINUM SIGN PANEL. PAINT TO MATCH PANTONE 293C

DIGITALLY PRINT COPY & SYMBOL WITH ANTI-GRAFFITI COATING

NO.	DATE	REVISIONS
4	06/20	95% SUBMITTAL SET
3	04/20	95% SUBMITTAL SET
2	12.05.19	95% OTS REVIEW
1	7.22.19	SCHEMATIC REVIEW

SUBMITTED	
SKADESIGN	
DESIGNED	CHECKED
R. Khan	J. Stoddard
DRAWN	CADD FILENAME
A. Lockhart	



APPROVED	
BKF 100+ YEARS	
ENGINEERS / SURVEYORS / PLANNERS	
EXPORT DATE	SCALE
06/20/20	As Noted
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR		
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT		
ARCHITECTURAL		
SIGN TYPE 18: ACCESSIBLE SIGNAGE		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

SHEET	OF
	000
DRAWING NO.	SG603
REVISION	B



1-19-04

COPY LAYOUTS

Scale: 3" = 1'-0"

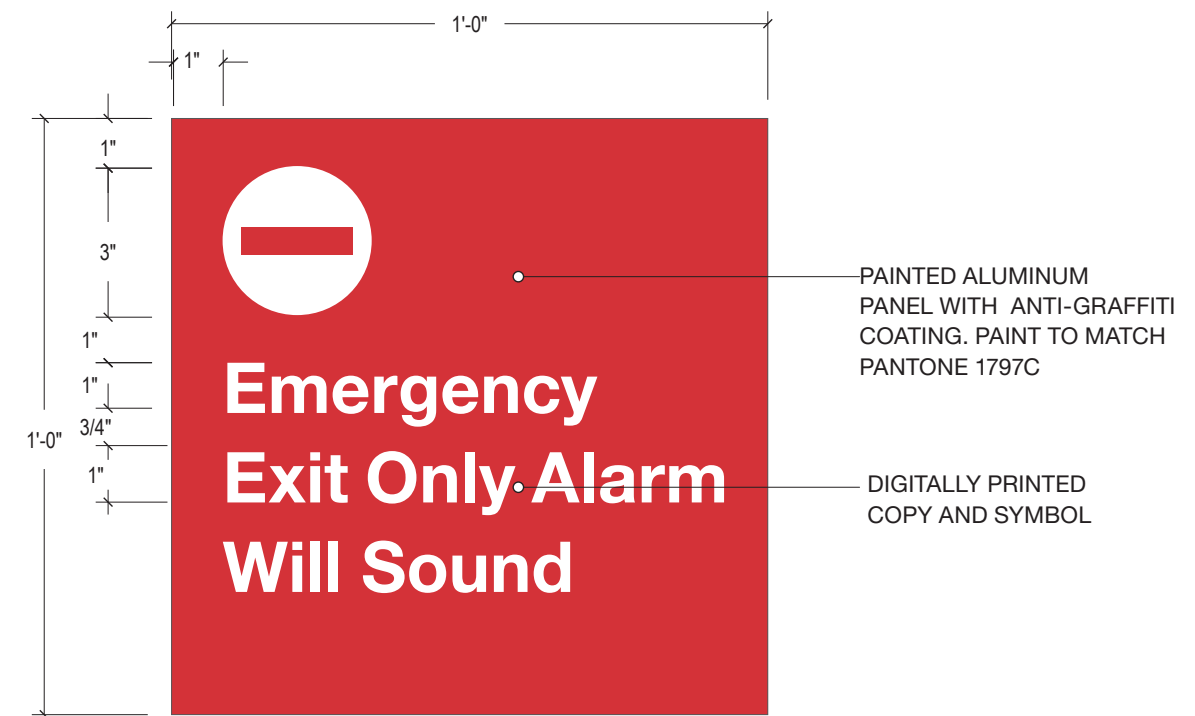


1-19-01



1-19-03

NOTE:
SECURITY SIGN
LOCATION AND QUANTITY
TO BE VERIFIED.



1-19-02

FRONT ELEVATIONS

Scale: 3" = 1'-0"

PAINTED ALUMINUM
PANEL WITH ANTI-GRAFFITI
COATING. PAINT TO MATCH
PANTONE 1797C

DIGITALLY PRINTED
COPY AND SYMBOL

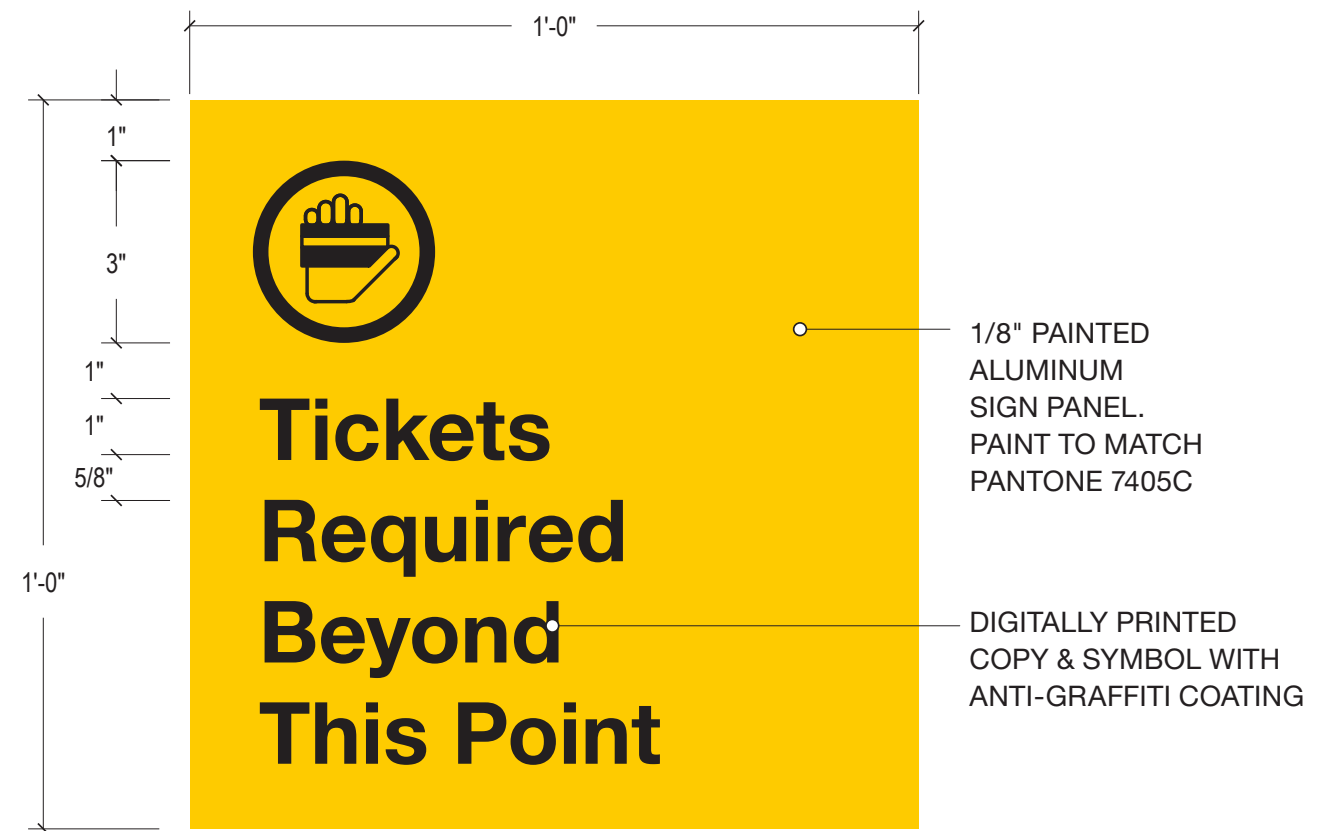
NO.	DATE	REVISIONS
4	06/20	95% SUBMITTAL SET
3	04/20	95% SUBMITTAL SET
2	12.05.19	95% OTS REVIEW
1	7.22.19	SCHEMATIC REVIEW

SUBMITTED	
SKADESIGN	
DESIGNED	CHECKED
R. Khan	J. Stoddard
DRAWN	CADD FILENAME
A. Lockhart	



APPROVED	
BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
EXPORT DATE	SCALE
06/20/20	As Noted
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL			SHEET
SIGN TYPE 19: WARNING SIGNAGE			OF 000
			DRAWING NO. SG604
			REVISION B
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	



1-20-01 2-20-01

FRONT ELEVATION

Scale: 3" = 1'-0"

NO.	DATE	REVISIONS
4	06/20	95% SUBMITTAL SET
3	04/20	95% SUBMITTAL SET
2	12.05.19	95% OTS REVIEW
1	7.22.19	SCHEMATIC REVIEW

SKADESIGN

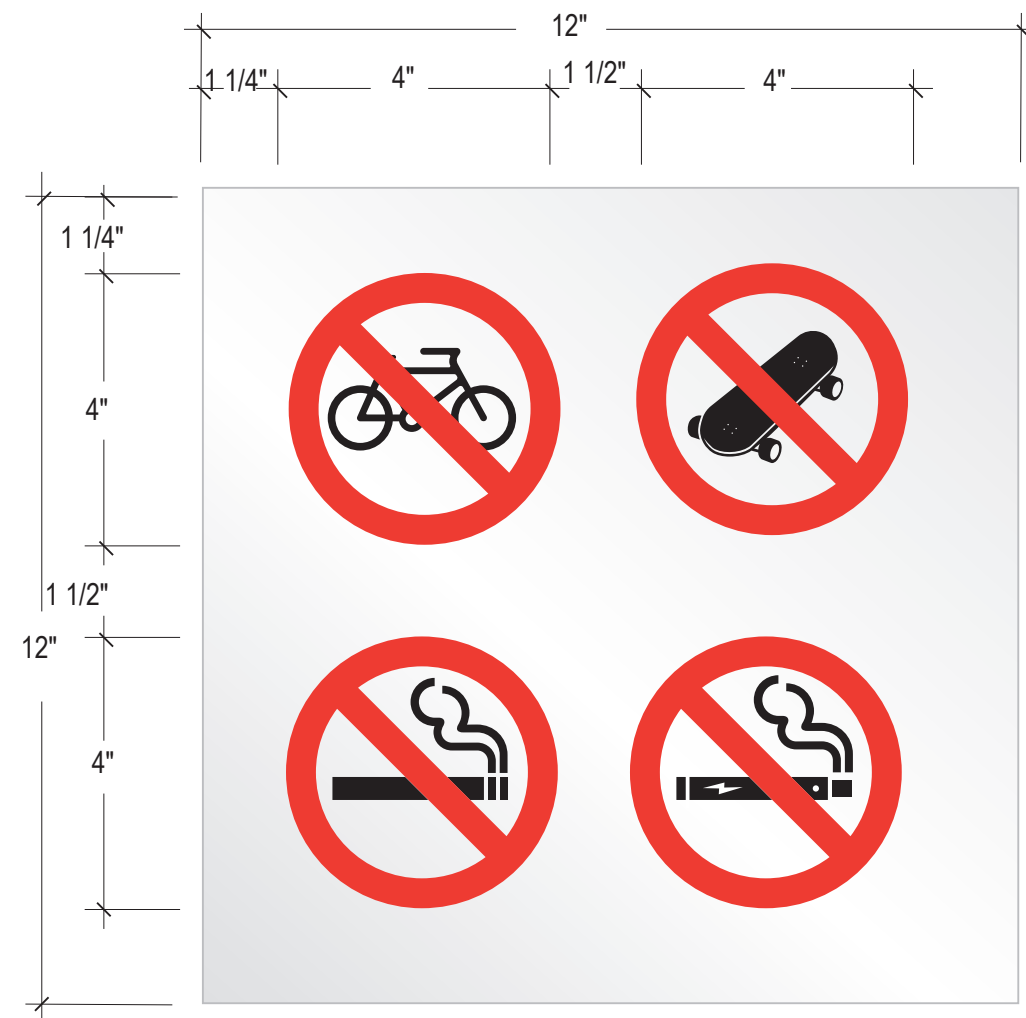
DESIGNED: R. Khan
 CHECKED: J. Stoddard
 DRAWN: A. Lockhart



BKF 100+ YEARS
 ENGINEERS / SURVEYORS / PLANNERS

EXPORT DATE: 06/20/20
 SUBMITTAL DATE: 06/29/20
 SCALE: As Noted
 BOARD APPROVAL DATE:

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL SIGN TYPE 20: RESTRICTIVE SIGNAGE			SHEET OF 000 DRAWING NO. SG605 REVISION B
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	



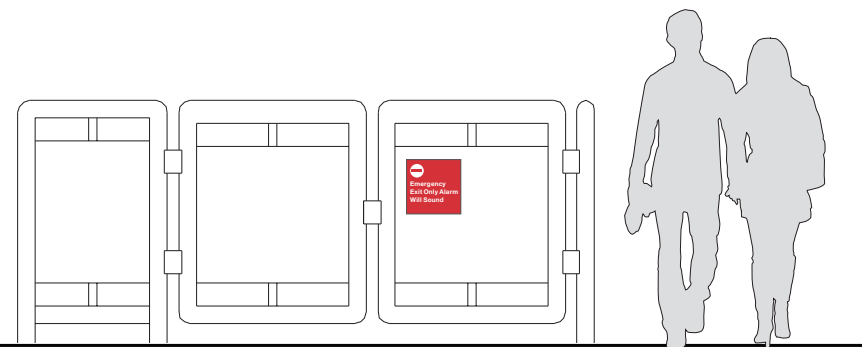
NO.	DATE	REVISIONS
4	06/20	95% SUBMITTAL SET
3	04/20	95% SUBMITTAL SET
2	12.05.19	95% OTS REVIEW
1	7.22.19	SCHEMATIC REVIEW

SUBMITTED	
SKADESIGN	
DESIGNED	CHECKED
R. Khan	J. Stoddard
DRAWN	CADD FILENAME
A. Lockhart	



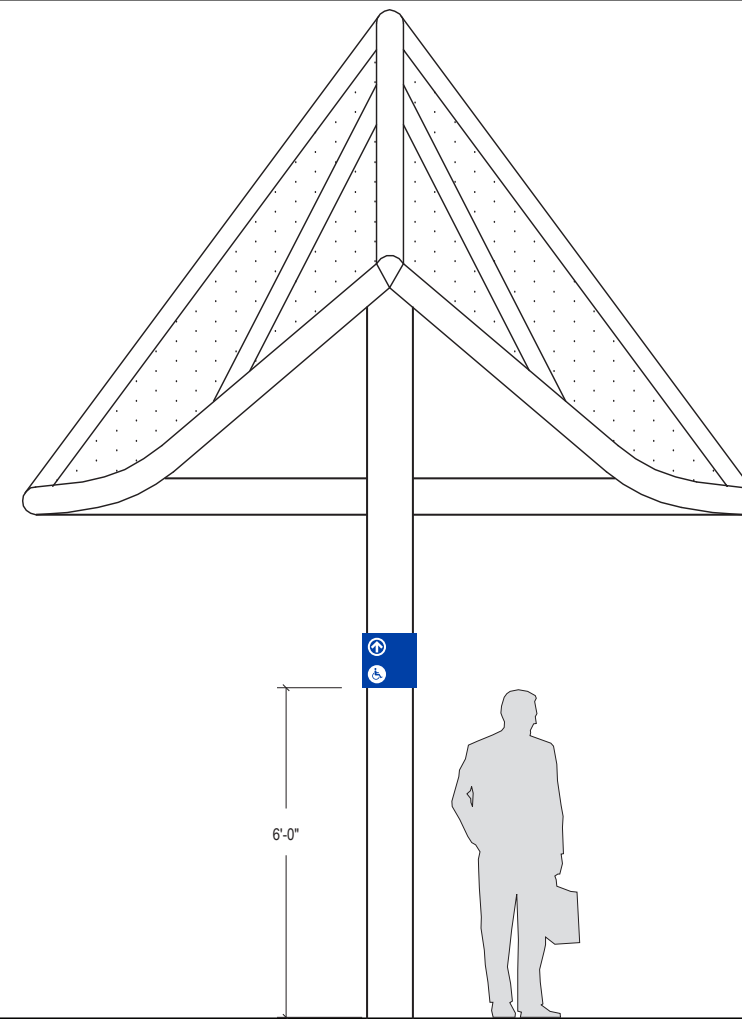
APPROVED	
BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
EXPORT DATE	SCALE
06/20/20	As Noted
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR			SHEET
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT			OF 000
ARCHITECTURAL			DRAWING NO. SG606
SIGN TYPE 21: INFORMATION SIGNAGE			REVISION B
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	



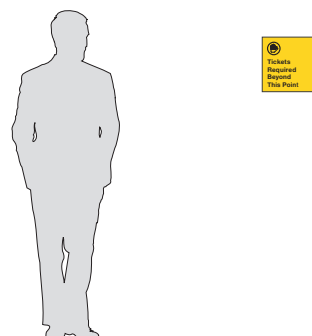
GATE MOUNT CONDITION

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

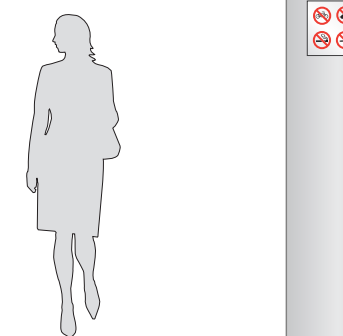


CANOPY MOUNT CONDITION

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



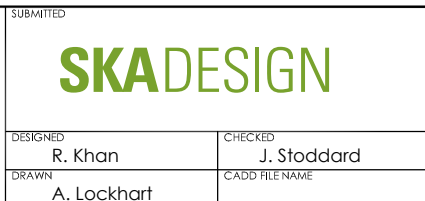
WALL MOUNT CONDITION



COLUMN MOUNT CONDITION

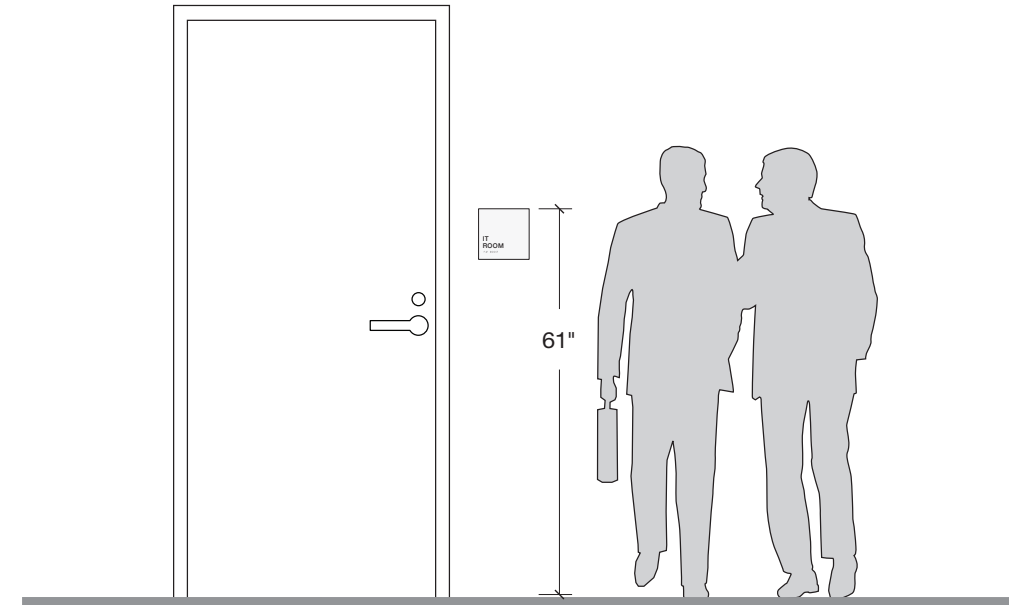
NO.	DATE	REVISIONS
4	06/20	95% SUBMITTAL SET
3	04/20	95% SUBMITTAL SET
2	12.05.19	95% OTS REVIEW
1	7.22.19	SCHEMATIC REVIEW

SUBMITTED	
SKADESIGN	
DESIGNED	CHECKED
R. Khan	J. Stoddard
DRAWN	CADD FILENAME
A. Lockhart	

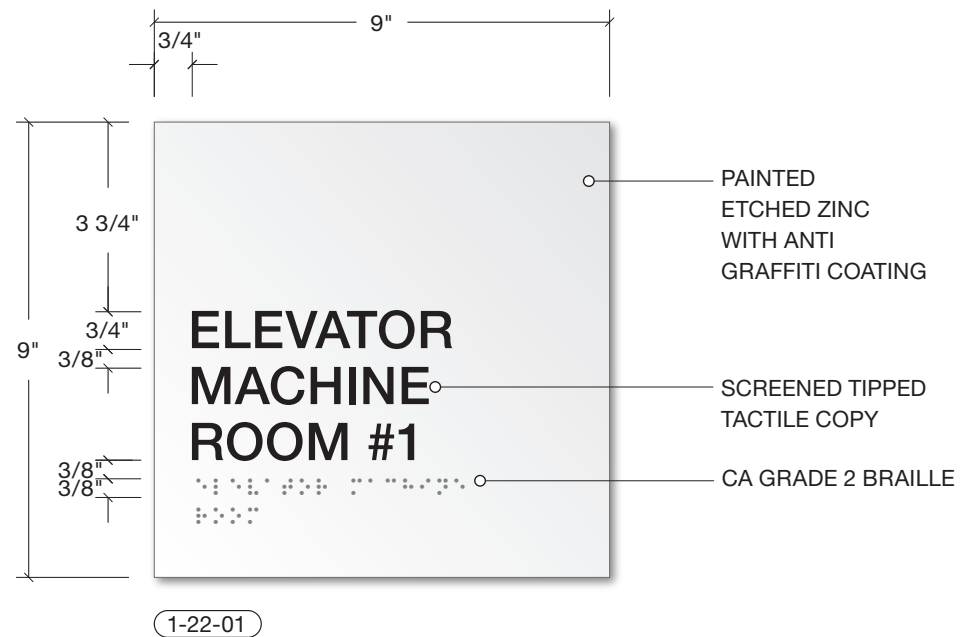


EXPORT DATE	SCALE
06/20/20	As Noted
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJEC- TACHITECTURAL			SHEET
SIGN TYPE 18, 19, 20 & 21: MOUNTING DETAILS			OF 000
			DRAWING NO. SG607
			REVISION B
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	

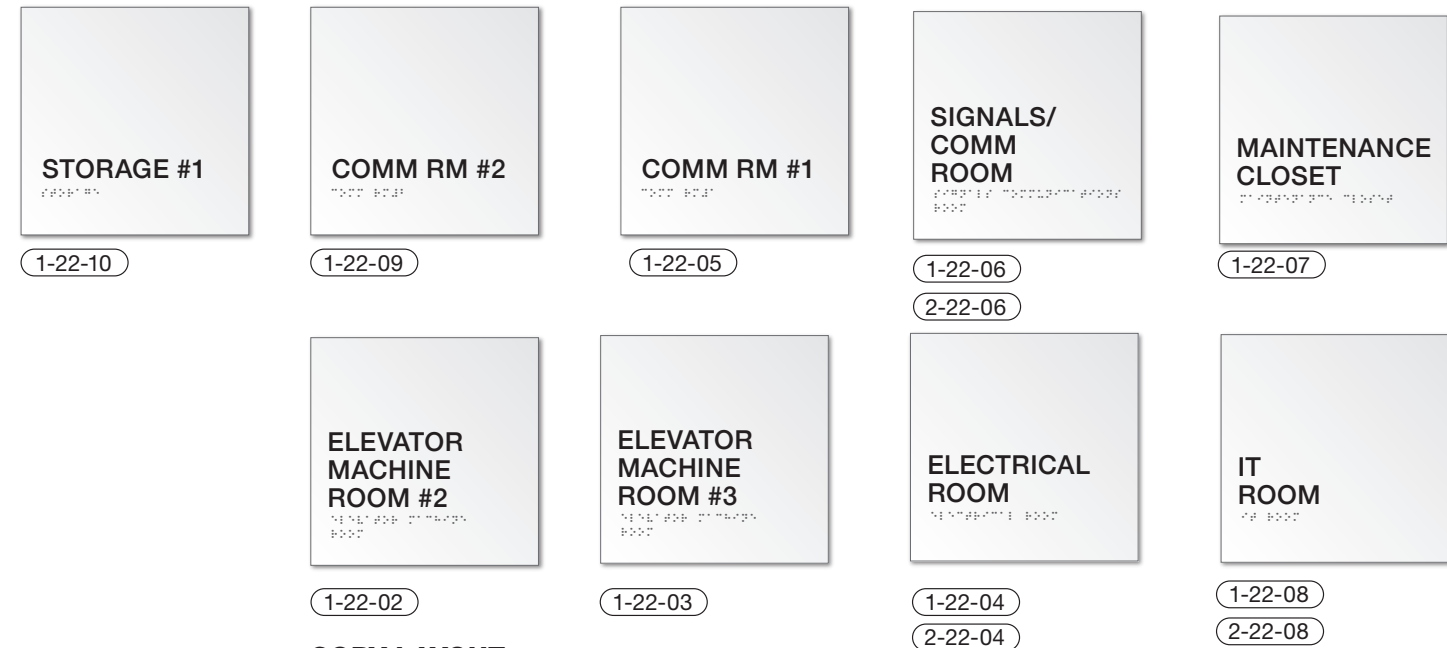


CONTEXT ELEVATION
Scale: 3/8" = 1'-0"



1-22-01

FRONT ELEVATION
Scale: 3" = 1'-0"



COPY LAYOUT
Scale: 1 1/2" = 1'-0"

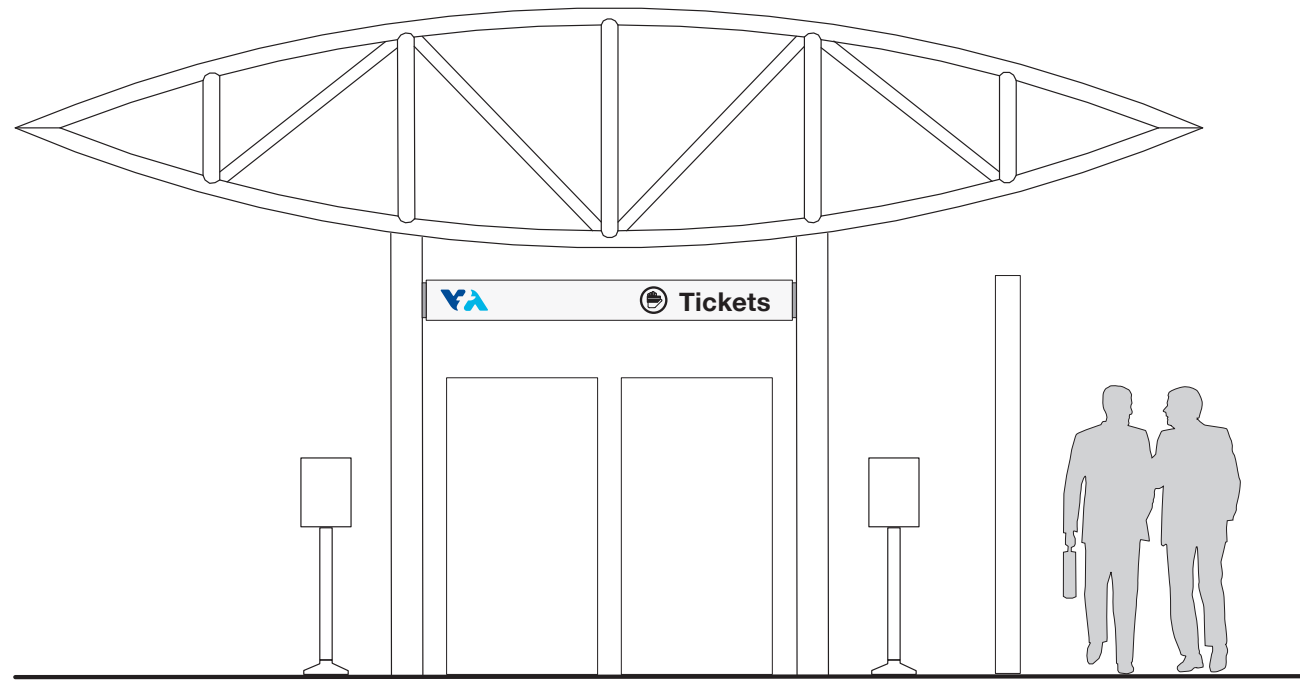
NO.	DATE	REVISIONS
4	06/20	95% SUBMITTAL SET
3	04/20	95% SUBMITTAL SET
2	12.05.19	95% OTS REVIEW
1	7.22.19	SCHEMATIC REVIEW

SUBMITTED	
SKADESIGN	
DESIGNED	CHECKED
R. Khan	J. Stoddard
DRAWN	CADD FILENAME
A. Lockhart	

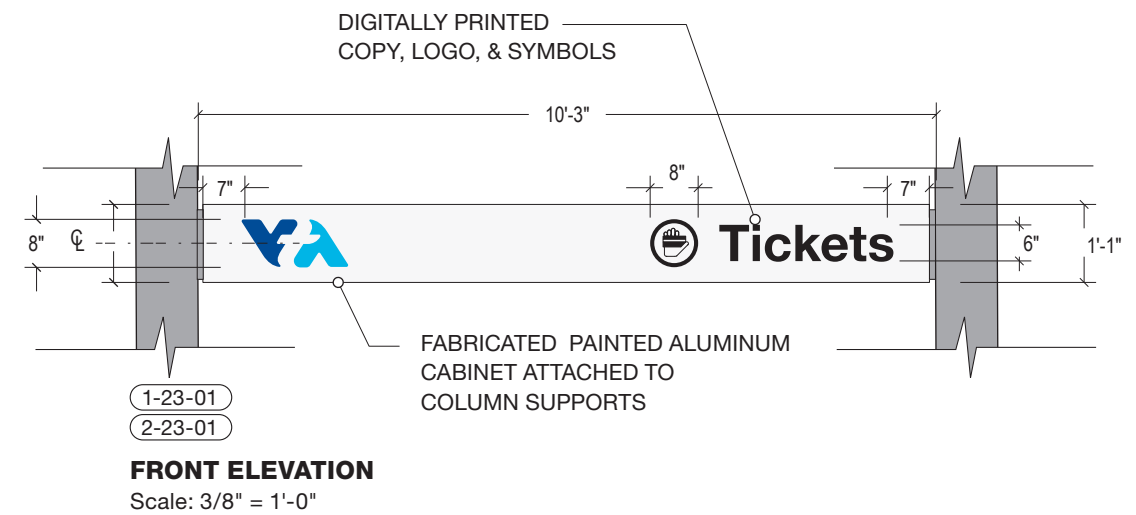


APPROVED	
BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
EXPORT DATE	SCALE
06/20/20	As Noted
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL			SHEET OF 000
SIGN TYPE 22: ADA BRAILLE ROOM IDENTIFICATION			DRAWING NO. SG608
			REVISION B
PCA NO. 000	CONTRACT NO. C801	FILE LOCATION PROJECTWISE	



CONTEXT ELEVATION
Scale: 1/4" = 1'-0"



FRONT ELEVATION
Scale: 3/8" = 1'-0"

NO.	DATE	REVISIONS
4	06/20	95% SUBMITTAL SET
3	04/20	95% SUBMITTAL SET
2	12.05.19	95% OTS REVIEW
1	7.22.19	SCHEMATIC REVIEW

DESIGNED	R. Khan
CHECKED	J. Stoddard
DRAWN	A. Lockhart

SKA DESIGN

Submitted

Santa Clara Valley
Transportation
Authority

APPROVED

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

EXPORT DATE: 06/20/20
SUBMITTAL DATE: 06/29/20

SCALE: As Noted
BOARD APPROVAL DATE:

PCB NO.	000
CONTRACT NO.	C801
FILE LOCATION	PROJECTWISE

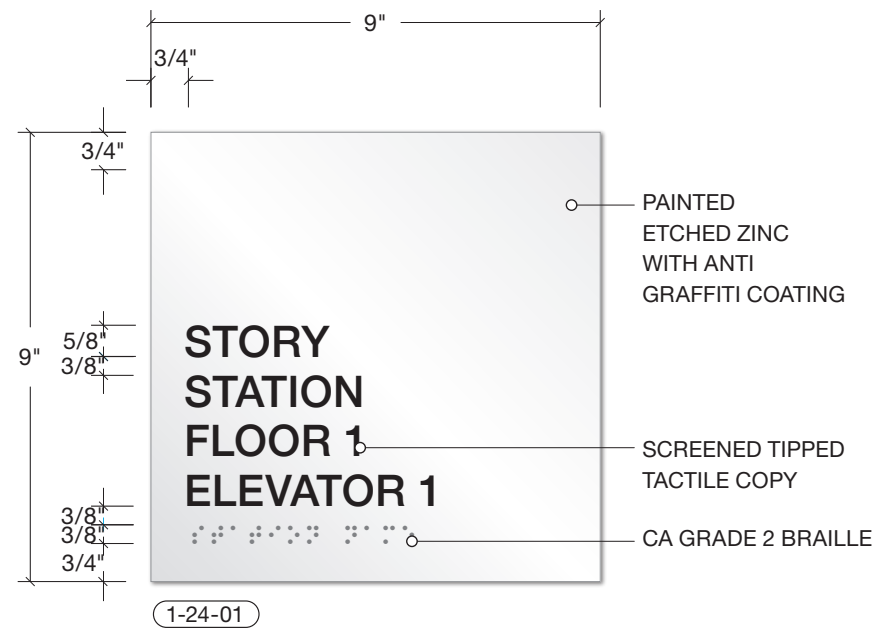
EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL
**SIGN TYPE 23: OVERHEAD
IDENTIFICATION**

SHEET	OF	000
DRAWING NO.	SG609	
REVISION	B	



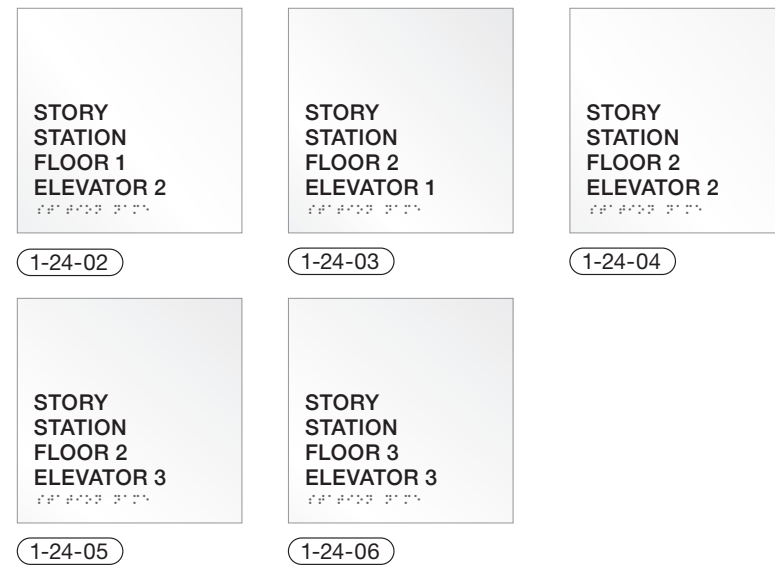
CONTEXT ELEVATION

Scale: 3/8" = 1'-0"



FRONT ELEVATION

Scale: 3" = 1'-0"



COPY LAYOUTS

Scale: 1 1/2" = 1'-0"

NO.	DATE	REVISIONS
4	06/20	95% SUBMITTAL SET
3	04/20	95% SUBMITTAL SET
2	12.05.19	95% OTS REVIEW
1	7.22.19	SCHEMATIC REVIEW

DESIGNED	CHECKED
R. Khan	J. Stoddard
DRAWN	CADD FILENAME
A. Lockhart	

SKA DESIGN

Santa Clara Valley Transportation Authority

BKF 100+ YEARS
ENGINEERS / SURVEYORS / PLANNERS

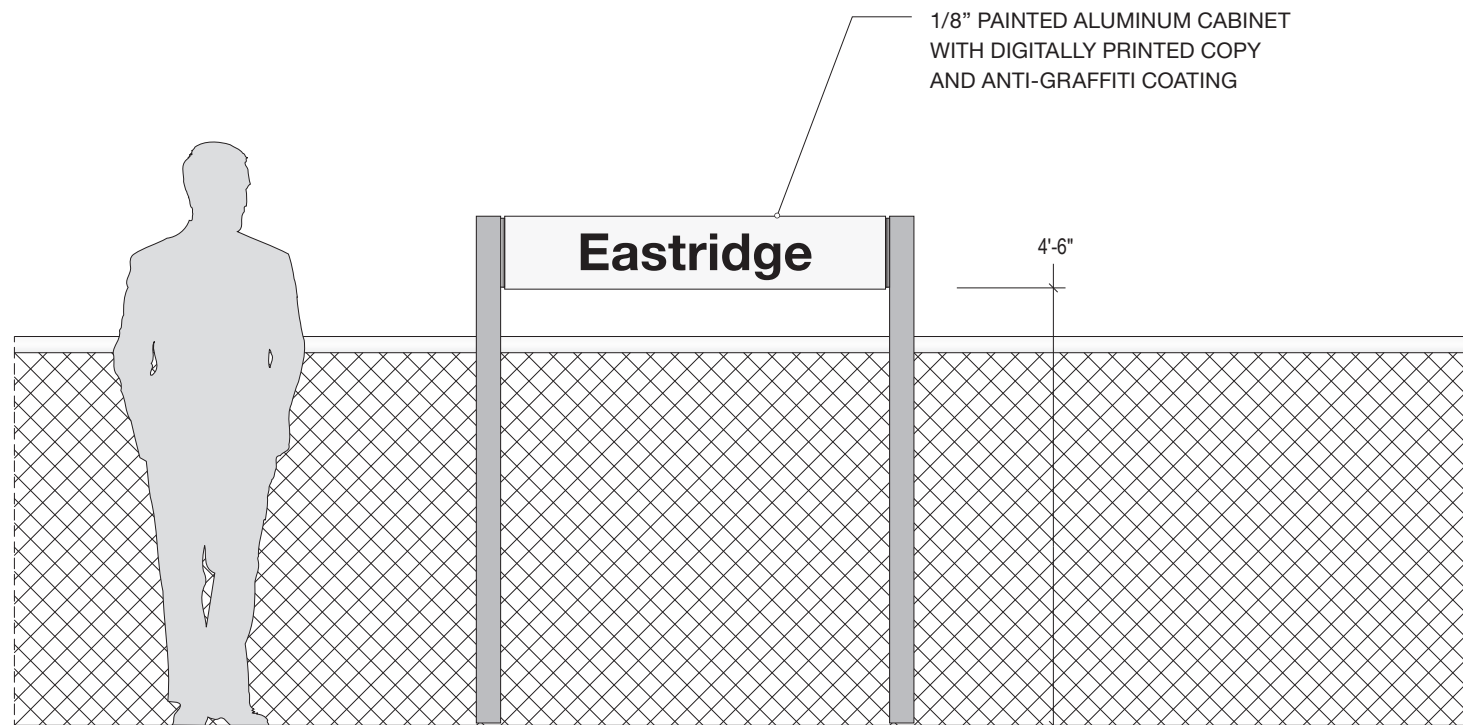
EXPORT DATE: 06/20/20
SUBMITTAL DATE: 06/29/20

SCALE: As Noted
BOARD APPROVAL DATE:

PCAN NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

EASTRIDGE TO BART REGIONAL CONNECTOR
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT
ARCHITECTURAL
**SIGN TYPE 24: ADA BRAILLE
ELEVATOR IDENTIFICATION**

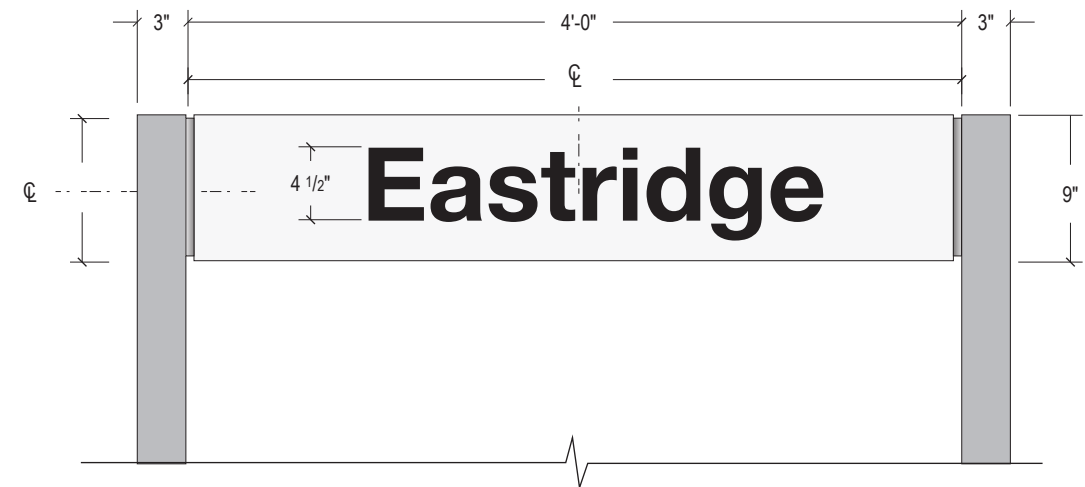
SHEET	OF
000	000
DRAWING NO.	SG610
REVISION	B



2-25-01 CONTEXT ELEVATION
Scale: 1/2" = 1'-0"



PLAN VIEW
Scale: 1" = 1'-0"



FRONT ELEVATION
Scale: 1" = 1'-0"

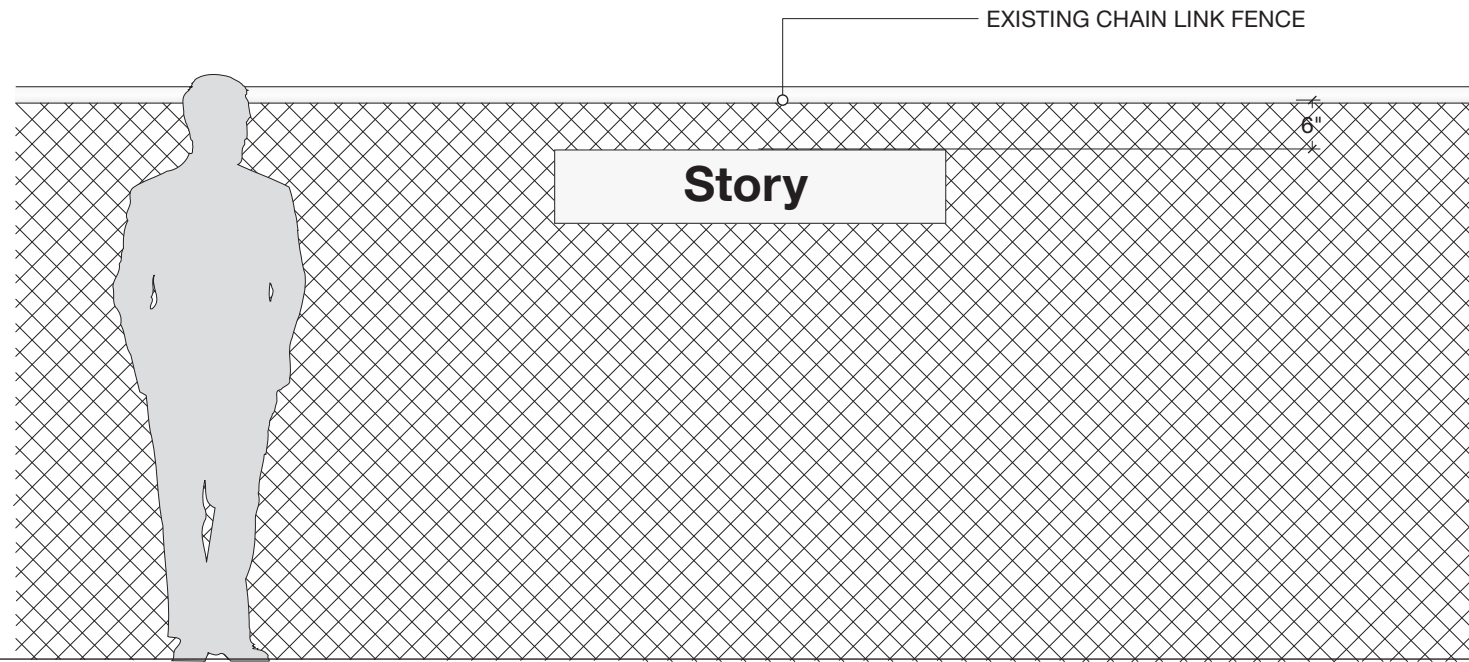
NO.	DATE	REVISIONS
4	06/20	95% SUBMITTAL SET
3	04/20	95% SUBMITTAL SET
2	12.05.19	95% OTS REVIEW
1	7.22.19	SCHEMATIC REVIEW

SUBMITTED	
SKA DESIGN	
DESIGNED	CHECKED
R. Khan	J. Stoddard
DRAWN	CADD FILENAME
A. Lockhart	

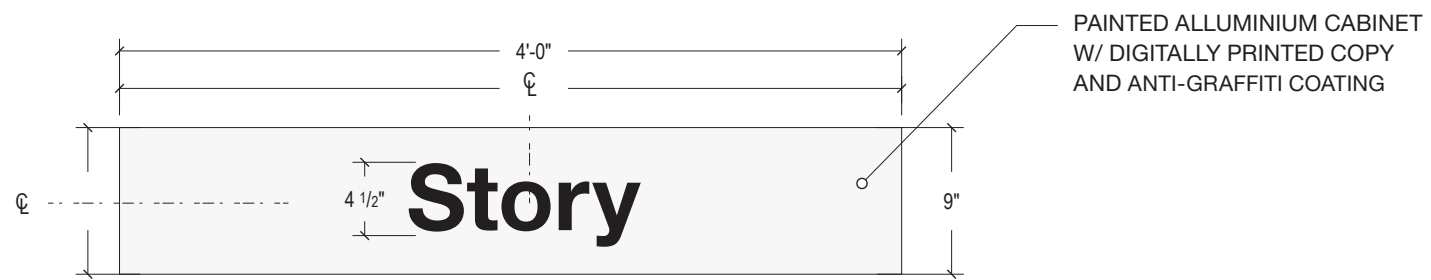


APPROVED	
BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
EXPORT DATE	SCALE
06/20/20	As Noted
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

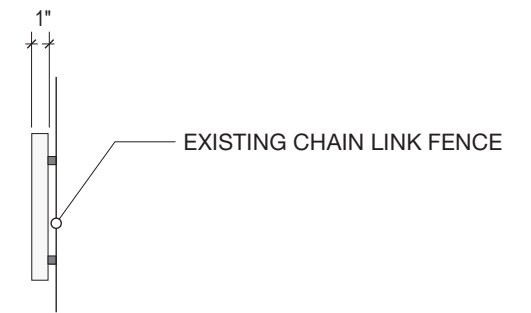
EASTRIDGE TO BART REGIONAL CONNECTOR			SHEET
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT			OF 000
ARCHITECTURAL -			DRAWING NO. SG611
SIGN TYPE 25: DOUBLE POST			REVISION
STATION IDENTIFICATION			B
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	



CONTEXT ELEVATION
Scale: 1/2" = 1'-0"



1-26-01 FRONT ELEVATION
Scale: 1" = 1'-0"



SIDE VIEW
Scale: 1" = 1'-0"

NO.	DATE	REVISIONS
4	06/20	95% SUBMITTAL SET
3	04/20	95% SUBMITTAL SET
2	12.05.19	95% OTS REVIEW
1	7.22.19	SCHEMATIC REVIEW

SUBMITTED	
SKADESIGN	
DESIGNED	CHECKED
R. Khan	J. Stoddard
DRAWN	CADD FILENAME
A. Lockhart	



APPROVED	
BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
EXPORT DATE	SCALE
06/20/20	As Noted
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR CAPITOL EXPRESSWAY LIGHT RAIL PROJECT ARCHITECTURAL		
SIGN TYPE 26: FENCE MOUNTED STATION IDENTIFICATION		
PCA NO.	CONTRACT NO.	FILE LOCATION
000	C801	PROJECTWISE

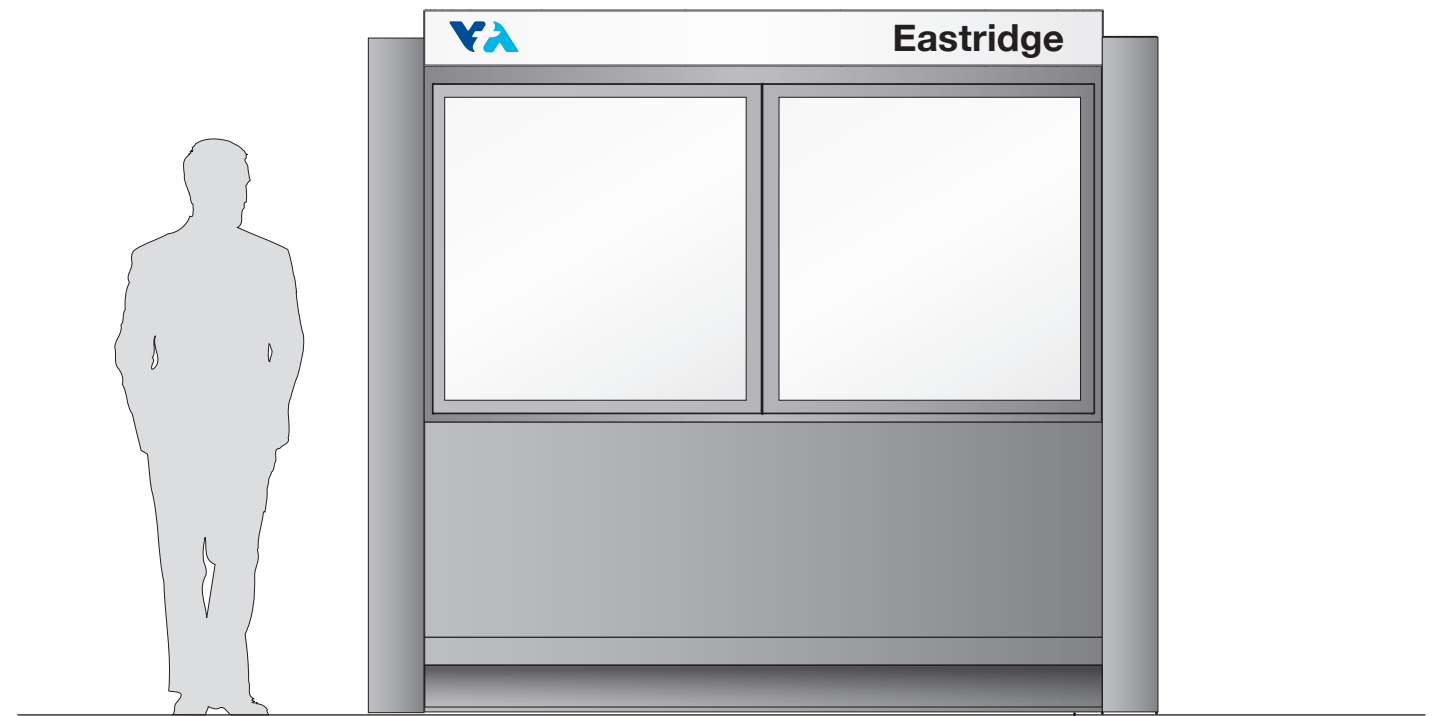
SHEET	OF
	000
DRAWING NO.	SG612
REVISION	B



1-31-01

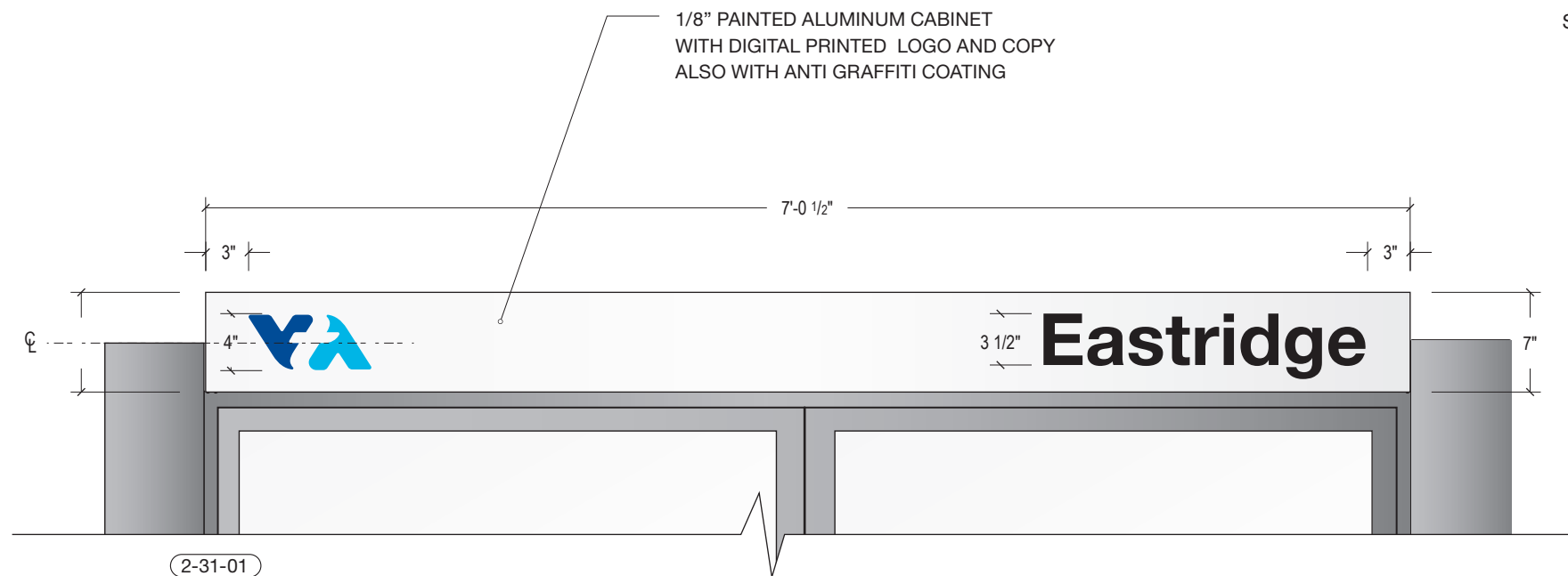
COPY LAYOUT

Scale: 1/2" = 1'-0"



FRONT ELEVATION

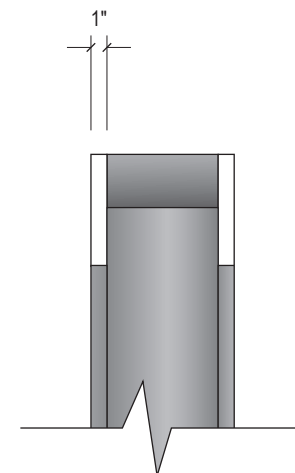
Scale: 1/2" = 1'-0"



2-31-01

KIOSK STATION IDENTIFICATION PANEL

Scale: 1" = 1'-0"



SIDE VIEW

Scale: 1" = 1'-0"

NO.	DATE	REVISIONS
4	06/20	95% SUBMITTAL SET
3	04/20	95% SUBMITTAL SET
2	12.05.19	95% OTS REVIEW
1	7.22.19	SCHEMATIC REVIEW

SUBMITTED	
SKADESIGN	
DESIGNED	CHECKED
R. Khan	J. Stoddard
DRAWN	CADD FILENAME
A. Lockhart	



APPROVED	
BKF 100+ YEARS ENGINEERS / SURVEYORS / PLANNERS	
EXPORT DATE	SCALE
06/20/20	As Noted
SUBMITTAL DATE	BOARD APPROVAL DATE
06/29/20	

EASTRIDGE TO BART REGIONAL CONNECTOR			SHEET
CAPITOL EXPRESSWAY LIGHT RAIL PROJECT			OF 000
ARCHITECTURAL -			DRAWING NO. SG613
SIGN TYPE 31: KIOSK			REVISION
STATION IDENTIFICATION			B
PCA NO.	CONTRACT NO.	FILE LOCATION	
000	C801	PROJECTWISE	