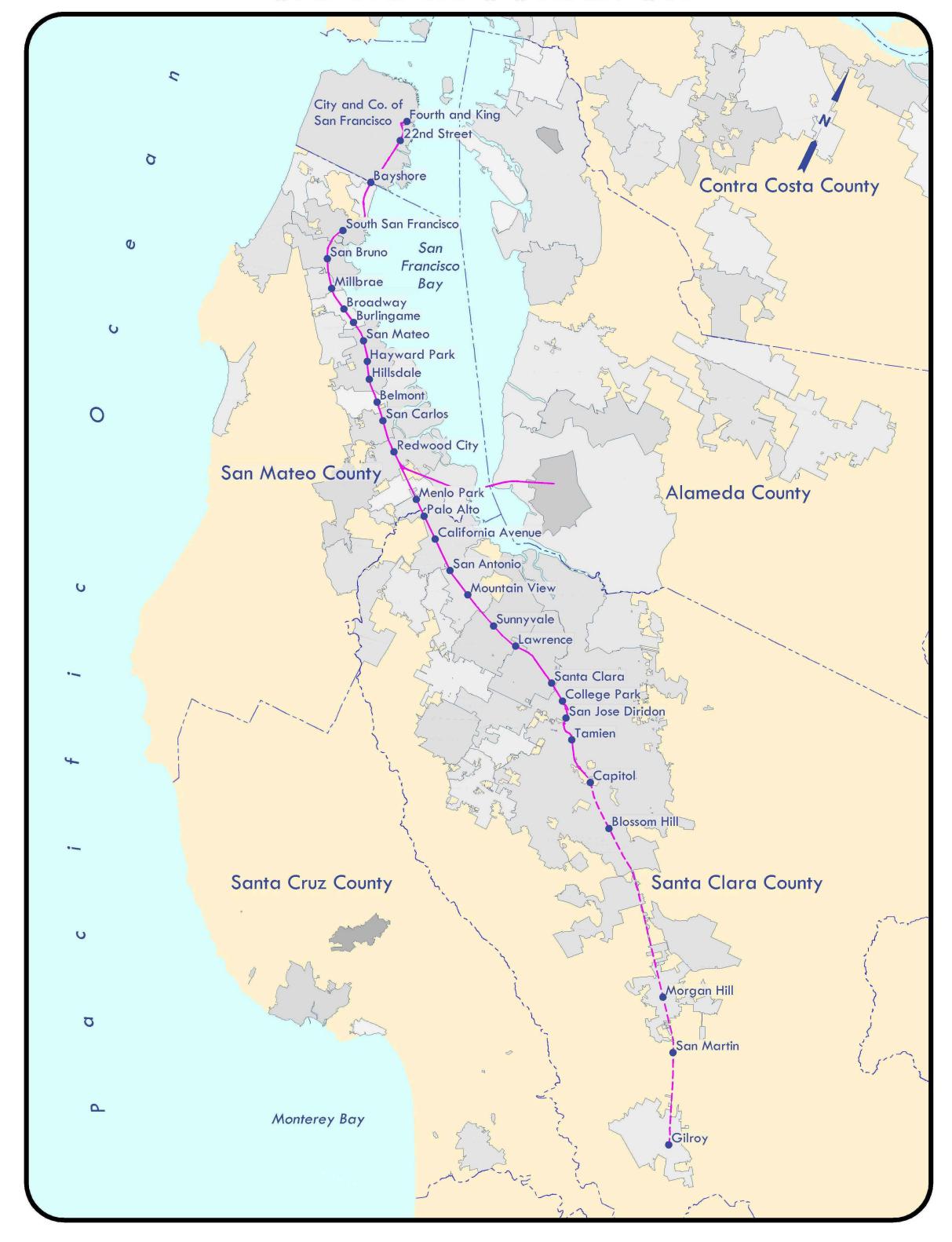
CALTRAIN CORRIDOR





STANDARD DRAWINGS

PENINSULA CORRIDOR JOINT POWERS BOARD

WG NO DESCRIPTION	RVN DATE	DWG NO	DESCRIPTION	RVN DATE	DWG NO	DESCRIPTION	RVN DATE	DWG NO	DESCRIPTION	RVN DA
GENERAL		GEOMET	RY		TRACK	(CONTINUED)		NO. 8	TURNOUT	
NDEX OF DRAWINGS		SD-2101	CURVE AND MILEPOST MARKING DETAILS	01012026	RAILS, TI	ES AND FASTENERS (CONT	INUED)	SD-2401	NO. 8 TURNOUT WITH RBM FROG TIMBER TIES	0101202
D-1001 SHEET 1 OF 7	01012026	SD-2102	REVERSING CURVES LAYOUT AND CALCULATIONS	01012026		COMPROMISE JOINT	01012026	SD-2402	SWITCH POINT ASSEMBLY 16'-6" STRAIGHT SWITCH POINT	0101202
D-1002 SHEET 2 OF 7	01012026	SD-2103	STANDARD TURNOUT AND	01012026		AND INSULATED JOINT		SD-2403	SWITCH POINT ASSEMBLY	010120
D-1003 SHEET 3 OF 7	01012026	SD-2104	CROSSOVER DATA VERTICAL CURVE DESIGN	01012026	OTHER M	IISCELLANEOUS ITEMS		SD-2404	16'-6" CURVED SWITCH POINT STRAIGHT AND BENT	010120
D-1004 SHEET 4 OF 7	01012026	SD-2101	SUPERELEVATION OF CURVES	01012026		MOW AND INDUSTRIAL	01012026	35 2101	STOCK RAILS	010120
D-1005 SHEET 5 OF 7 D-1006 SHEET 6 OF 7	01012026 01012026		EQUILIBRIUM			TRACK BUMPING POST		SD-2405	NO. 8 RAILBOUND MANGANESE FROG	010120
D-1007 SHEET 7 OF 7	01012026	SD-2106	SUPERELEVATION OF CURVES 1" UNBALANCE	01012026				SD-2406	BOLTLESS ADJUSTABLE GUARD RAILS	010120
		SD-2107	SUPERELEVATION OF CURVES 2" UNBALANCE	01012026	SPECIA	L TRACKWORK		SD-2407	SWITCH PLATES	010120
ABBREVIATIONS		SD-2108	SUPERELEVATION OF CURVES 3" UNBALANCE	01012026	GENERAL	ELEMENTS		SD-2408	GAGE PLATE NO. 1 WITH SCOTCH PLY INSULATION	010120
D-1101 CIVIL AND TRACK	01012026		O GIADALIANOL			SWITCH PLATE BRACES BP1C AND BP20 PLATE P4C-136 AND ROLLER PLATE 10				
D-1102 SIGNAL, TRAIN CONTROL AND	01012026					BOLTLESS BRACE (TYPE 2)	01012026	NO. 10	TURNOUT	
STATION COMMUNICATIONS	04.04.00.00	TRACK	STRUCTURE		SD-2304	SERRATED WASHER	01012026		NO. 10 LH TURNOUT WITH	010120
D-1103 ARCHITECTURAL AND ENGINEERING	01012026	SD-2151	STANDARD TRACK SECTIONS FOR CONCRETE TIE TRACK	01012026		FOR BOLTLESS BRACE	01012026	35 2301	WSM FROG AND HST SWITCH MACHINE ON MAINLINE SIDE	010120
		SD-2152	TYPICAL SECTIONS THROUGH STATIONS	01012026		SWITCH PLATES FOR HOLLOW STEEL TIE PLATE HTP-206-STR NO SKEW LV BRA		SD-2502	NO. 10 RH TURNOUT WITH	010120
YMDOLC		SD-2153	AT-GRADE CROSSINGS	01012026		SWITCH PLATES FOR HOLLOW STEEL TIE PLATES HTP-300-L AND HTP-301-R	S 01012026		WSM FROG AND HST SWITCH MACHINE ON MAINLINE SIDE	
D-1201 GENERAL, CIVIL AND TRACK	01012026	SD-2154	HMAC UNDERLAYMENT	01012026	SD-2307	SWITCH PLATES FOR HOLLOW STEEL TIE PLATES HTP-208-L AND HTP-209-R	S 01012026	SD-2503	NO. 10 LH TURNOUT WITH WSM FROG AND HST SWITCH MACHINE	01012
7-1201 GENERAL, CIVIL AND TRACK	01012026	SD-2155	TEMPORARY CONSTRUCTION CROSSINGS STANDARD DETAIL	01012026	SD-2308	SWITCH PLATES FOR HOLLOW STEEL TIE	S 01012026	SD-2504	ON TURNOUT SIDE NO. 10 RH TURNOUT WITH	01012
						PLATES HTP-200-L AND HTP-201-R SWITCH PLATES FOR HOLLOW STEEL TIE	S 01012026	30-2304	WSM FROG AND HST SWITCH MACHINE ON TURNOUT SIDE	010120
RACK		RAILS.	TIES AND FASTENERS			PLATES HTP-202-L AND HTP-203-R	01012020	SD-2505	LH SWITCH PACK WITH	010120
CLEARANCE		SD-2201	MARKING FOR	01012026		SWITCH PLATES FOR HOLLOW STEEL TIE PLATES HTP-204-L AND HTP-205-R	S 01012026		HOLLOW STEEL TIES SWITCH MACHINE ON MAINLINE SIDE	
D-2001 AAR PLATE F AND H CAR	01012026	30-2201	STANDARD RAIL SECTIONS	01012020		SWITCH PLATES FOR HOLLOW STEEL TIE SWITCH PLATE ROLLER SCHWIHAG RP-1		SD-2506	RH SWITCH PACK WITH HOLLOW STEEL TIES	010120
CLEARANCE ENVELOPES	01012020	SD-2211	CONCRETE TIES FOR 136 RE RAIL STANDARD CROSS TIES	01012026		SWITCH PLATE ROLLER SCHWINAG RP-1			SWITCH MACHINE ON MAINLINE SIDE	
D-2002 STANDARD CLEARANCE REQUIREMENTS	01012026	SD-2212	CONCRETE TIES FOR 136 RE RAIL	01012026		SWITCH PLATE ROLLER SCHWIHAG RP-2	2–136	SD-2507	LH SWITCH PACK WITH HOLLOW STEEL TIES	01012
0-2003 MINIMUM CLEARANCE	01012026		GRADE CROSSING AND TRANSITION TIES			SIDE POST INSULATOR FOR FC1600 SERIES PANDROL FASTCLIF	01012026	SD-2508	SWITCH MACHINE ON TURNOUT SIDE RH SWITCH PACK WITH	01012
D-2004 MINIMUM WALKWAY REQUIREMENTS	01012026	SD-2213	TIMBER STANDARD AND TRANSITION CROSS TIES	01012026		TOE INSULATOR FOR FC1600 SERIES PANDROL FASTCLIP	01012026	3D-2306	HOLLOW STEEL TIES SWITCH MACHINE ON TURNOUT SIDE	01012
D-2005 MINIMUM VERTICAL CLEARANCE FOR WIRES	01012026	SD-2214A	TRANSITION ZONES	01012026		CONNECTING RODS	01012026	SD-2509	SWITCH POINT ASSEMBLY	010120
		SD-2214B	AT GRADE CROSSINGS STANDARD TRACK —	01012026	SD-2316	36E AND 36EH SWITCH STANDS	01012026		FOR LH TURNOUT LH STRAIGHT 21'-6" SAMSON	
		30-22140	TRANSITION ZONES	01012020				SD-2510	SWITCH POINT ASSEMBLY FOR LH TURNOUT	010120
		SD-2215	APPLICATIONS OF RAIL ANCHORS	01012026					RH CURVED 21'-6" SAMSON	
		SD-2221	FASTENING ASSEMBLIES PANDROL PLATES AND TIE PLATES	01012026				SD-2511	SWITCH POINT ASSEMBLY FOR RH TURNOUT	01012
		SD-2222	FASTENING ASSEMBLIES FOR STANDARD AND	01012026				SD-2512	LH CURVED 21'-6" SAMSON SWITCH POINT ASSEMBLY	01012
		SD-2231	INSULATED JOINTS STANDARD BOLTED JOINT	01012026					FOR RH TURNOUT RH STRAIGHT 21'-6" SAMSON	
		SD-2231	FORGED TRANSITION RAILS FOR	01012026						
			119 RE TO 136 RE	PFNIN	ISUI A COI	RRIDOR JOINT POWERS	BOARD	FNGINFFR	ING STANDARD DRAWINGS	CADD FILE NAME: SD-1001
				FLIMIN	APPROVED B		שטאוט	LIAMINEED	GENERAL	REV: EDITION:
					Bin. 76	_		l IN	IDEX OF DRAWINGS	SCALE:
010126 FIFTH EDITION					on gr	ury C	altrain.		SHEET 1 OF 7	NONE

Part	DWG NO	DESCRIPTION	RVN DATE	DWG NO	DESCRIPTION	RVN DATE	DWG NO	DESCRIPTION	RVN DATE	DWG NO	DESCRIPTION	RVN DATE
Property Color Prop	SPECI	AL TRACKWORK (CO	NTINUED)	SD-2535	ADAPTER PLATES FOR	01012026	SD-2609	FOR LH TURNOUT	01012026	SD-2632	FROG BASE PLATES	01012026
Part		•	01012026	SD-2536	ADAPTER PLATES FOR	01012026	SD-2610	FOR LH TURNOUT	01012026	SD-2633	FROG BASE PLATES	01012026
Part		FOR LH TURNOUT LH CURVED 39'-9 3/16" LONG		SD-2537	HOLLOW STEEL TIE ROD ASSEMBLY	01012026	SD-2611	SWITCH POINT ASSEMBLY FOR RH TURNOUT	01012026	SD-2634	WSM FROG RH FROG BASE PLATES	01012026
Second	SD-2514	FOR LH TURNOUT	01012026	SD-2538		01012026	SD-2612	SWITCH POINT ASSEMBLY	01012026	SD-2635	GUARD RAIL ASSEMBLY	01012026
20 20 20 20 20 20 20 20	SD-2515	FOR RH TURNOUT	01012026	SD-2539		01012026	SD-2613	RH STRAIGHT 29'-0" SAMSON	01012026	SD-2636	GUARD RAIL ASSEMBLY	01012026
CLUMP OF STATE AND STATE AND CONTROL STA	SD-2516	SAMSON STOCK RAIL	01012026	SD-2540	LH TURNOUT	01012026	33 2010	FOR LH TURNOUT	5,5,2525	SD-2637	HOLLOW STEEL TIE ROD ASSEMBLY	01012026
Note 19 19 19 19 19 19 19 1	SD-2517	RH CURVED 39'-9 3/16" LONG	E 01012026	SD-2541	SWITCH PLATES FOR LH TURNOUT	01012026	SD-2614	FOR LH TURNOUT	01012026	SD-2638		01012026
1-2-20 1		LAYOUT FOR A RH TURNOUT		SD-2542	SWITCH PLATES FOR	01012026	SD-2615	FOR RH TURNOUT	01012026	SD-2639		01012026
10-222 10-200 10-	SD-2519	HOLLOW STEEL TIES FOR RH TURNOU	T 01012026	SD-2543	10-18LLC/LRC THRU 10-19LLC/LRC	01012026	SD-2616	SAMSON STOCK RAIL	01012026	SD-2640	FOR LH TURNOUT	01012026
5-20 Section	SD-2520	HOLLOW STEEL TIES FOR LH TURNOU	T 01012026	30-2343	RH TURNOUT	01012020	SD-2617	RH CURVED 51'-8" LONG	01012026	SD-2641	SWITCH PLATES	01012026
10 10 STETT TITLE FOR 11 TUTUROUT 10 10 10 10 10 10 10 1	SD-2521	HOLLOW STEEL TIES FOR RH TURNOU	T 01012026	SD-2544	RH TURNOUT	01012026		LAYOUT FOR RH TURNOUT		SD-2642	14-19LLC/LRC, 14-20LC THRU 14-23LC	01012026
10 12 12 12 13 14 14 15 16 16 16 16 16 16 16	SD-2522	HOLLOW STEEL TIES FOR LH TURNOU	T 01012026	SD-2545	RH TURNOUT	01012026	SD-2619	HOLLOW STEEL TIES FOR RH TURNOUT	01012026	SD-2643	SWITCH PLATES	01012026
10-2525 WISH FROS BH ALTS 10-37RC SID 2021 NO. 14 TURNOUT SID 1012026 NO. 1012026 NO	SD-2523				10-18RLC/RRC THRU 10-19RLC/RRC		SD-2620	HOLLOW STEEL TIES FOR LH TURNOUT	01012026	SD 2644	14-16RLC/RRC THRU 14-18RLC/RRC	01012026
10-34RC AND 10-37RC 10-34RC AND 10-34RC 10-34RC A	SD-2524 SD-2525	WSM FROG RH		NO. 14	TURNOUT		SD-2621	HOLLOW STEEL TIES FOR RH TURNOUT	01012026	SU-2044	FOR RH TURNOUT	
FROG BASE PLATES 10-3PLC 10-3P	SD-2526	10-34RC AND 10-37RC	01012026		NO. 14 LH TURNOUT WITH	01012026	SD-2622	HOLLOW STEEL TIES FOR LH TURNOUT	01012026	SD-2645		01012026
SP-2522 WSM FROG RH 1012026 SD-2603 WSM FROG RH SMTCH MACHINE SD-2624 WSM FROG LH 1012026 SD-2603 WSM FROG LH TURNOUT WITH WSM FROG AND HST SWITCH MACHINE SD-2625 WSM FROG LH TURNOUT WITH WSM FROG AND HST SWITCH MACHINE SD-2626 WSM FROG RH TROO BASE PLATE 10-39LC WSM FROG RH WSM FROG RH TROO BASE PLATE 10-43RC SD-2604 WSM FROG RH TURNOUT WITH WSM FROG AND HST SWITCH MACHINE SD-2626 WSM FROG RH TROO BASE PLATE 10-43RC WSM FROG RH TROO BASE PLATE 10-45RC WSM FROG RH TROO BASE PLATE 10-45RC WSM FROG RH TROO BASE PLATE 14-52RC WSM	35 2020	FROG BASE PLATES	01012020	SD-2602	ON MAINLINE SIDE	01012026		WSM FROG LH AND FROG PACK				
FROG BASE PLATE 10—39LC WSW FROG AND HST SWITCH MACHINE SD-2626 WSW FROG RH O1012026 O1 TURNOUT SIDE SD-2626 WSW FROG RH O1012026 O1 TURNOUT WITH O1012026	SD-2527		01012026	00 2002	WSM FROG AND HST SWITCH MACHINE	0,0,2020		WSM FROG LH		NO. 20	TURNOUT	
FROG BASE PLATE 10-43RC SD-2530 WSM FROG LH FROG BASE PLATE 10-43LC SD-2531 WSM FROG LH FROG BASE PLATE 10-43LC SD-2531 WSM FROG RH FROG BASE PLATE 14-52LC SD-2628 WSM FROG RH FROG BASE PLATE 14-52LC SD-2628 WSM FROG RH FROG BASE PLATE 14-52LC SD-2628 WSM FROG RH FROG BASE PLATE 14-52LC SD-2631 WSM FROG RH FROG BASE PLATE 14-52LC SD-2631 WSM FROG RH FROG BASE PLATE 14-52LC SD-2631 WSM FROG RH SWITCH MACHINE ON MAINLINE SIDE SD-2631 WSM FROG RH FROG BASE PLATE 14-55LC SD-2632 WSM FROG RH WSM FROG RH W		FROG BASE PLATE 10-39LC		SD-2603	WSM FROG AND HST SWITCH MACHINE	01012026	CD 2626	14-50LC AND 14-51LC	01012026	SD-2701	WSM FROG AND HST SWITCH MACHINE	01012026
FROG BASE PLATE 10–43LC SD-2531 WSM FROG RH FROG BASE PLATE 10–48RC D0-2532 WSM FROG LH FROG BASE PLATE 10–48RC D0-2532 WSM FROG LH FROG BASE PLATES D0-47RC AND 10–48RC D0-2532 WSM FROG LH FROG BASE PLATES D0-47RC AND 10–48RC D0-2532 WSM FROG LH FROG BASE PLATES D0-47RC AND 10–48RC D0-2532 WSM FROG LH FROG BASE PLATES D0-47RC AND 10–48RC D0-2532 WSM FROG LH FROG BASE PLATE 14–52RC D0-2532 WSM FROG LH FROG BASE PLATE 14–52RC D0-2532 WSM FROG LH FROG BASE PLATE 14–52RC D0-2532 WSM FROG LH FROG BASE PLATE 14–55RC D0-2532 WSM FROG LH FROG BASE PLATE 14–55RC D0-2532 WSM FROG LH FROG BASE PLATE 14–55RC D0-2534 WSM FROG LH FROG BA		FROG BASE PLATE 10-43RC		SD-2604	WSM FROG AND HST SWITCH MACHINE	01012026	3D-2020	FROG BASE PLATES	01012026	SD-2702	WSM FROG AND HST SWITCH MACHINE	01012026
FROG BASE PLATES 10-47RC AND 10-48RC SD-2532 WSM FROG LH FROG BASE PLATES 10-47LC AND 10-48LC SD-2533 GUARD RAIL ASSEMBLY LH SKEWED WITH PLATES 15'-0" LONG SD-2608 RH SWITCH MACHINE ON MAINLINE SIDE SD-2608 RH SWITCH PACK WITH O1012026 SD-2609 SD-260		FROG BASE PLATE 10-43LC		SD-2605	LH SWITCH PACK WITH	01012026	SD-2627		01012026	SD-2703	NO. 20 LH TURNOUT WITH	01012026
SD-2522 WSM FROG LH FROG BASE PLATES 10-47LC AND 10-48LC SD-2607 LH SWITCH PACK WITH SKEWED WITH PLATES 15'-0" LONG SD-2608 RH SWITCH MACHINE ON TURNOUT SIDE SD-2608 RH SWITCH PACK WITH SD-2534 GUARD RAIL ASSEMBLY SD-2608 RH SWITCH PACK WITH SCD-2534 GUARD RAIL ASSEMBLY SD-2608 RH SWITCH PACK WITH SD-2608 RH SWITCH PACK WITH SMITCH PACK WITH SMITCH PACK WITH SMITCH PACK WITH SD-2618 WSM FROG LH SMITCH PACK WITH SMITCH PACK WITH HST SD-2618 WSM FROG LH FROG BASE PLATE 14-55RC SWITCH MACHINE ON MAINLINE SIDE SWITCH MACHINE ON MAINLINE	30 2001	FROG BASE PLATES	01012020	SD-2606	SWITCH MACHINE ON MAINLINE SIDE	01012026		FROG BASE PLATE 14-52RC		SD-2704	ON TURNOUT SIDE	01012026
SD-2533 GUARD RAIL ASSEMBLY O1012026 HOLLOW STEEL TIES SWITCH MACHINE ON MAINLINE SIDE SD-2631 WSM FROG LH PLATES 15'-0" LONG SD-2608 RH SWITCH PACK WITH SD-2608 RH SWITCH PACK WITH O1012026 SD-2534 GUARD RAIL ASSEMBLY O1012026 SD-2534 GUARD RAIL ASSEMBLY O1012026 SD-2608 RH SWITCH PACK WITH O1012026 SD-2608 RH SWITCH PACK WITH HST O1012026 SD-2608 RH SWITCH PACK WITH O1012026 SD-2608 RH SWITCH PACK WITH HST O1012026 SWITCH MACHINE ON MAINLINE SIDE O1012026	SD-2532	FROG BASE PLATES	01012026	3D 2000	HOLLOW STEEL TIES	01012020		FROG BASE PLATE 14-55LC		35 27 31	WSM FROG AND HST SWITCH MACHINE	0.0.2020
SD-2608 RH SWITCH PACK WITH O1012026 SD-2608 RH SWITCH PACK WITH O1012026 SD-2534 GUARD RAIL ASSEMBLY O1012026 FROG BASE PLATES SWITCH MACHINE ON MAINLINE SIDE 14-62LC AND 14-64LC	SD-2533	LH SKEWED WITH	01012026	SD-2607	HOLLOW STEEL TIES	01012026		FROG BASE PLATE 14-55RC			SWITCH MACHINE ON MAINLINE SIDE	01012026
$[V_1] = [V_1] = [V_1$	SD-2534	GUARD RAIL ASSEMBLY	01012026	SD-2608	RH SWITCH PACK WITH HOLLOW STEEL TIES	01012026	5D-2631	FROG BASE PLATES	01012026		SWITCH MACHINE ON MAINLINE SIDE	
						PENIN	SULA CO	PRRIDOR JOINT POWERS	BOARD	ENGINEER	RING STANDARD DRAWINGS	cadd file name: SD-1001
PENINSULA CORRIDOR JOINT POWERS BOARD ENGINEERING STANDARD DRAWINGS SD-1001							APPROVED	/			GENERAL NDEX OF DRAWINGS	FIFTH
PENINSULA CORRIDOR JOINT POWERS BOARD SD-1001 APPROVED BY: GENERAL INDEX OF DRAWINGS SD-1001	010126	FIFTH EDITION				4	in zi	0	altrain.		SHEET 2 OF 7	NONE STANDARD DRAWING NO.:
PENINSULA CORRIDOR JOINT POWERS BOARD REV: EDITION: FIFTH INDEX OF DRAWINGS SALE: NONE STANDARD DRAWINGS SINCE STANDARD DRAWINGS SD-1001 REV: EDITION: FIFTH STANDARD DRAWINGS SD-1001 REV: EDITION: STANDARD DRAWINGS SD-1001	DATE B	Y CHK APP DESCRIPTION	REV DATE	BY CHK AF	эр	_	DIRECTOR, ENG	CINEERING				SD-1002

DWG NO DESCRIPTION	RVN DATE	DWG NO	DESCRIPTION	RVN DATE	DWG NO	DESCRIPTION	RVN DATE	DWG NO	DESCRIPTION	RVN DATE
SPECIAL TRACKWORK (CONT	ΓINUED)	SD-2731	WSM FROG LH FROG BASE PLATES	01012026	NO. 9 DC	UBLE SLIP		SHELTE	RS AND AMENITIES	
NO. 20 TURNOUT (CONTINUED)		SD-2732	20-93LC, 20-94LC AND 20-95LC WSM FROG RH	01012026		O. 9 DOUBLE SLIP SWITCH N TIMBER TIES	01012026	SD-3201	TYPICAL PASSENGER SHELTER ON OUTBOARD PLATFORM	01012026
SD-2708 RH SWITCH PACK WITH HST SWITCH MACHINE ON TURNOUT SIDE	01012026		FROG BASE PLATES 20-93RC, 20-94RC AND 20-95RC			LL OF MATERIAL	01012026	SD-3202	TYPICAL TVM SHELTER ON OUTBOARD PLATFORM	01012026
SD-2709 LH SWITCH POINT ASSEMBLY 67'-0" LONG WITH UNIFORM RISER	01012026	SD-2733	WSM FROG LH FROG BASE PLATES 20-96LC AND 20-97LC	01012026		PREADS AND OFFSETS ES AND PLATES	01012026 01012026	SD-3203	TYPICAL PNA SHELTER	01012026
SD-2710 RH SWITCH POINT ASSEMBLY	01012026	SD-2734	WSM FROG RH FROG BASE PLATES	01012026				SD-3204	TYPICAL PASSENGER SHELTER ON CENTER ISLAND PLATFORM	01012026
67'-0" LONG WITH UNIFORM RISER SD-2711 SAMSON STOCK RAIL FOR LH TURNOUT	01012026	00 0775	20-96RC AND 20-97RC	04.04.0000	TURNOUTS	S AND DERAILS		SD-3205	TYPICAL TVM SHELTER ON CENTER ISLAND PLATFORM	01012026
LH 69'-8" LONG SD-2712 SAMSON STOCK RAIL FOR LH TURNOUT	01012026	SD-2735	WSM FROG LH FROG BASE PLATES 20-98LC AND 20-99LC	01012026		6'-6" 136 RE DOUBLE POINT	01012026	SD-3210 SD-3220	INFORMATION DISPLAY CASE BENCHES AND TRASH RECEPTACLES	01012026 01012026
RH 76'-0" LONG SD-2713 SAMSON STOCK RAIL FOR RH TURNOUT	01012026	SD-2736	WSM FROG RH FROG BASE PLATES	01012026		PLIT SWITCH DERAIL LEAR POINT MARKING	01012026	SD-3230	BIKE LOCKERS AND RACKS	01012026
LH 76'-0" LONG		00 0777	20-98RC AND 20-99RC	04.04.0000				SD-3240	WHEEL CHAIR LIFT SHED	01012026
SD-2714 SAMSON STOCK RAIL FOR RH TURNOUT RH 69'-0" LONG	01012026	SD-2737	GUARD RAIL ASSEMBLY LH SKEWED WITH PLATES 26'—0" LONG	01012026	STATION	IS AND FACILITIES				
SD-2715 HOLLOW STEEL TIE AND CONCRETE TIE LAYOUT FOR RH TURNOUT	01012026	SD-2738	GUARD RAIL ASSEMBLY RH SKEWED WITH	01012026				SIGNAGE	<u>-</u> -	
SD-2716 HOLLOW STEEL TIE AND CONCRETE TIE LAYOUT FOR LH TURNOUT	01012026	CD 0770	PLATES 26'-0" LONG	0101000		E AND SIGN LOCATION PL		SD-3300	SIGN AND MARKING SCHEDULE GENERAL REQUIREMENTS	01012026
SD-2717 HOLLOW STEEL TIES FOR RH TURNOUT WITH	01012026	SD-2739	HOLLOW STEEL TIE ROD ASSEMBLY SWITCH MACHINE ON LH SIDE	01012026	W	T-GRADE OUTBOARD PLATFORMS ITH 5 CAR OMBARDIER TRAINSETS	01012026	SD-3301	EXAMPLES OF SIGNS AND SYMBOLS	01012026
SWITCH MACHINE ON MAINLINE SIDE SD-2718 HOLLOW STEEL TIES	01012026	SD-2740	HOLLOW STEEL TIE ROD ASSEMBLY SWITCH MACHINE ON RH SIDE	01012026	SD-3001B A	T-GRADE OUTBOARD PLATFORMS	01012026	SD-3310		01012026
FOR LH TURNOUT WITH SWITCH MACHINE ON MAINLINE SIDE		SD-2741	HOLLOW STEEL TIE SWITCH RODS 20-1, 20-2 AND 20-3	01012026	В	OMBARDIER AND EMU TRAINSETS			STATION SPOT CAB SIGNS	01012026
SD-2719 HOLLOW STEEL TIES FOR RH TURNOUT WITH	01012026	SD-2742	HOLLOW STEEL TIE SWITCH RODS 20-4 AND 20-5	01012026	W	T-GRADE CENTER ISLAND PLATFORM ITH 5 CAR OMBARDIER TRAINSETS	01012026	SD-3330	BOARDING ASSISTANCE AREA PAVEMENT MARKINGS AND SIGNAGE	01012026
SWITCH MACHINE ON TURNOUT SIDE SD-2720 HOLLOW STEEL TIES	01012026	SD-2743	SWITCH PLATES FOR LH TURNOUT 20-25LLC/LRC	01012026	SD-3002B A	T-GRADE CENTER ISLAND PLATFORM	01012026	SD-3340 SD-3350	STATION DIRECTIONAL SIGNS REGULATORY AND WARNING SIGNS	01012026 01012026
FOR LH TURNOUT WITH SWITCH MACHINE ON TURNOUT SIDE		SD-2744	SWITCH PLATES FOR LH TURNOUT 20-28LLC/LRC THRU 20-29LLC/LRC	01012026		OMBARDIER AND EMU TRAINSETS		SD-3351	ON CENTER FENCE PROOF-OF-PAYMENT SIGNS	01012026
SD-2721 WSM FROG LH AND FROG PACK	01012026	SD-2745	20-30LC THRU 20-31LC SWITCH PLATES FOR LH TURNOUT	01012026				SD-3352	PEDESTRIAN CROSSING	01012026
SD-2722 WSM FROG RH AND FROG PACK	01012026		20-32LC THRU 20-37LC		PASSENGE	R BOARDING AREAS		SD-3360	REGULATORY AND WARNING SIGNS MONUMENT STATION SITE SIGN	01012026
SD-2723 WSM FROG LH FROG BASE PLATES	01012026	SD-2746	SWITCH PLATES FOR LH TURNOUT 20-38LC THRU 20-40LC	01012026		YPICAL SECTIONS UTBOARD PLATFORM	01012026	SD-3361	AT STATION ENTRY ACCESS AND PARKING	01012026
20-75LC, 20-76LC AND 20-77LC SD-2724 WSM FROG RH	01012026	SD-2747	SWITCH PLATES FOR RH TURNOUT 20-25RLC/RRC THRU 20-27RLC/RRC	01012026		YPICAL SECTIONS ENTER ISLAND PLATFORM	01012026	SD-3362	DIRECTIONAL SIGNS WAYFINDING SIGNS	01012026
FROG BASE PLATES 20-75RC, 20-76RC AND 20-77RC	01012020	SD-2748	SWITCH PLATES FOR RH TURNOUT 20-28RLC/RRC THRU 20-29RLC/RRC	01012026				SD-3380	PARKING SIGNS	01012026
SD-2725 WSM FROG LH FROG BASE PLATE 20-78LC	01012026	SD-2749	20-30RC THRU 20-31RC SWITCH PLATES FOR RH TURNOUT	01012026	MINI-HIGH	I PLATFORMS		SD-3381	PUBLIC PARKING PARKING SIGNS	01012026
SD-2726 WSM FROG RH FROG BASE PLATE 20-78RC	01012026	SD-2750	20-32RC THRU 20-37RC SWITCH PLATES FOR RH TURNOUT	01012026		LATFORM CONFIGURATIONS	01012026		EMPLOYEE PARKING	
SD-2727 WSM FROG LH FROG BASE PLATE 20-83LC	01012026		20-38RC THRU 20-40RC			NCHOR AND HANDRAIL DETAILS HEET 1 OF 2	01012026	T (A C) C	THEO OTDIDING AND AND	11.100
SD-2728 WSM FROG RH FROG BASE PLATE 20-83RC	01012026		TUDNOUT			NCHOR AND HANDRAIL DETAILS HEET 2 OF 2	01012026		TILES, STRIPING AND MARK	
SD-2729 WSM FROG LH	01012026		TURNOUT	0.0.00				SD-3500 SD-3501	WARNING TACTILE APPLICATIONS DETECTABLE GUIDE TACTILES	01012026 01012026
FROG BASE PLATE 20-88LC SD-2730 WSM FROG RH	01012026	SD-2800	LH 136 RE WITH RBM FROG ON WOOD TIES	01012026				SD-3502	STRIPING AND MARKINGS	01012026
FROG BASE PLATE 20-88RC	2.3.2020							SD-3503	PARKING SPACE NUMBER LAYOUT	01012026
				PENIN	ISULA COR	RIDOR JOINT POWERS	BOARD	ENGINEER	ING STANDARD DRAWINGS	
					APPROVED BY:			IN	GENERAL IDEX OF DRAWINGS	REV: EDITION: FIFTH SCALE:
010126 FIFTH EDITION				- 4	vin zno	ing	altrain.		SHEET 3 OF 7	NONE STANDARD DRAWING NO.:
V DATE BY CHK APP DESCRIPTION	REV DATE	BY CHK AF	P		DIRECTOR, ENGINEER	RING				SD-1003

DWG NO	DESCRIPTION	RVN DATE	DWG NO	DESCRIPTION	RVN DATE	DWG NO	DESCRIPTION	RVN DATE	DWG NO	DESCRIPTION	RVN DA
FENCING A	AND RAILING		FARE C	OLLECTION SYSTEM		SD-4524	TYP HOUSE & CASE CONDUIT ENTRY (USING EXISTING INFRASTRUCTURE)	01012026	SD-4831	MAIN CONDUIT PLAN CENTER ISLAND PLATFORM	01012026
	NTER FENCE ATFORM EDGE AND PEDESTRIAN	01012026 01012026	SD-4401	TVM SUBSYSTEM AND EQUIPMENT DETAILS	01012026	SD-4525	TYP HOUSE & CASE CONDUIT ENTRY (USING NEW INFRASTRUCTURE)	01012026	SD-4832	CONDUIT ASSIGNMENTS SUBSYSTEM CABLE PLAN	0101202
	OSSING WALKWAYS					SD-4526	FIBER OPTIC AERIAL TO UNDERGROUND TRANSITION (TYP)	01012026	SD-4833	ETHERNET SUBSYSTEMS DISTRIBUTION BLOCK DIAGRAM	0101202
			FIBER (OPTIC OUTSIDE PLANT (OSP)		SD-4527	GROUNDING REQUIREMENTS FOR UTILITY POLES (TYPICAL)	01012026	SD-4834	FIBER SPLICE AND TERMINATION PANELS	0101202
STATION	COMMUNICATIONS		SD-4501	FIBER OPTIC CABLE CONFIGURATION DETAILS	01012026	SD-4528	AERIAL FIBER OPTIC HARDWARE (TYPICAL)	01012026	SD-4835	EQUIPMENT AND WIRING DETAILS SUBSYSTEM DEVICE	010120
VERALL S	SYSTEM DESCRIPTIONS		SD-4503	ALTOS GEL-FREE DOUBLE-JACKET DIELECTRIC CABLES,	01012026	SD-4529	TYPICAL FIBER DISTRIBUTION PANEL RACK PLACEMENT FOR CER	01012026	SD-4850	CONDUIT SCHEME EQUIPMENT AND SECURITY ALARMS	010120.
	PLATFORM STATION LAN GICAL TOPOLOGY	01012026	SD-4504	12-288 FIBERS ALTOS LOOSE TUBE, GEL-FREE, DOUBLE-JACKET 24 F,	01012026	SD-4530	BRIDGE ATTACHMENT CONCRETE (TYP A)	01012026		DEMARCATION	
	PLATFORM STATION LAN GICAL TOPOLOGY	01012026		SINGLE-MODE (OS2)		SD-4531	ATTACHEMNT WITH NEW CONDUIT BRIDGE ATTACHMENT CONCRETE (TYP B)	01012026	COMMU	NICATIONS FOLUDIATING	
	BSYSTEMS DESIGN CRITERIA PLATFORM PHYSICAL TOPOLOGY	01012026	SD-4505	ALTOS LOOSE TUBE, GEL—FREE, DOUBLE—JACKET 72 F, SINGLE—MODE (OS2)	01012026	SD-4532	ATTACHMENT WITH EXISTING CONDUIT(S) BRIDGE ATTACHMENT (TYP C)	01012026	SD-4901	VARIABLE MESSAGE SIGN BOARD	0101202
	BSYSTEMS DESIGN CRITERIA PLATFORM PHYSICAL TOPOLOGY	01012026	SD-4506	PRE-TERMINATED FO DROP ASSEMBLY	01012026	SD-4533	ATTACHMENT OUTSIDE STEEL FLANGE BRIDGE ATTACHMENT (TYP D)	01012026		CEILING MOUNT NOT USED	010120
	M, CID, TVM AND VMS SYSTEMS YSICAL DISTRIBUTION TOPOLOGY	01012026	SD-4507	SINGLE-MODE SC-SC DUPLEX PATCH CORD	01012026	SD-4534	ATTACHMENT INSIDE STEEL FLANGE BRIDGE ATTACEMENT (TYP E)	01012026	SD-4903	VARIABLE MESSAGE SIGN BOARD POLE MOUNT	0101202
	PLATFORM CID LAN SUBSYSTEM GICAL TOPOLOGY	01012026	SD-4508	FIBER OPTIC CABLE PULL METHOD	01012026	SD-4535	ATTACHMENT CONCRETE BASE FIBER OPTIC CABLE	01012026	SD-4904	VMS BOARD POLE MOUNTING DETAILS SHEET 1 OF 2	0101202
	PLATFORM CID LAN SUBSYSTEM GICAL TOPOLOGY	01012026	SD-4509	CONDUIT LAYOUT TYPICAL FIBER OPTIC SPLICE CLOSURE	01012026	SD-4536	BACKBONE TUNNEL ATTACHMENT TYPICAL FIBER OPTIC	01012026	SD-4905	VMS BOARD POLE MOUNTING DETAILS	010120
	PLATFORM CID LAN SUBSYSTEM YSICAL TOPOLOGY	01012026	SD-4510 SD-4511	TYPICAL FIBER OPTIC SPLICE TRAY 48-144 POSITION	01012026 01012026	SD-4537	BACKBONE TUNNEL ATTACHEMENT TUNNEL CONDUIT CLEARANCE	01012026	SD-4906	SHEET 2 OF 2 POST FOUNDATION AND	010120
	PLATFORM CID LAN SUBSYSTEM YSICAL TOPOLOGY	01012026	SD-4512	FO DISTRIBUTION PANEL PIGTAILED SPLICE CASSETTE	01012026	SD-4538	BRIDGE CROSSING	01012026		SIGN MOUNTING DETAILS	
-4110 1-	PLATFORM PA SYSTEM YSICAL TOPOLOGY	01012026	SD-4513	24 POSTION FO DISTRIBUTION PANEL	01012026	SD-4539	(SAN FRANCISQUITO BRIDGE) ABUTMENT / WINGWALL	01012026	CICNIA		MC
-4111 2-	PLATFORM PA SYSTEM YSICAL TOPOLOGY	01012026	SD-4514	RACK MOUNT 12 POSITION FO DISTRIBUTION PANEL RACK MOUNT	01012026	SD-4540	CORE DRILL DETAILS OTDR FIBER TESTING STANDARDS FOR FIBER SINGLE MODE	01012026		L AND COMMUNICATIO	INO
	TV SYSTEM	01012026	SD-4515	12 POSTION FO DISTRIBUTION PANEL	01012026		FOR FIBER SINGLE MODE		GENERA	L SIGNAL	
–4113 NE	TWORK CABLE DISTRIBUTION	01012026	SD-4516	WALL MOUNT 12 POSITION CLOSET	01012026	011000	NTINIO (NYOTENA ANID OTLIEDO		SD-5101 SD-5102	CIRCUIT PLAN SYMBOLS COMPONENT SYMBOLS	010120 010120
117	A/EIA STANDARDS		SD-4517	CONNECTOR HOUSING PULL BOX DETAILS	01012026		RTING SYSTEM AND OTHERS	01012026	SD-5103	AND CIRCUIT PLAN SYMBOLS RELAYS AND RELAY CONTACTS	010120
	D 11150 01/07514			SHEET 1 OF 2		SD-4801	COMMUNICATIONS EQUIPMENT ROOM (CER) TYPICAL EQUIPMENT LAYOUT	01012026		SHELF AND VITAL RELAYS	
	R INFO SYSTEM	01.01.00.00	SD-4518	PULL BOX DETAILS SHEET 2 OF 2	01012026	SD-4802	NOT USED	01012026	SD-5104	PLUG-IN RELAY TYPICAL CONTACT ARRANGEMENT	010120
AN	S SUBSYSTEM D EQUIPMENT DETAILS	01012026	SD-4519 SD-4520	UNDERGROUND TRENCH DETAILS TYPICAL BORE DETAIL	01012026 01012026	SD-4803	COMMUNICATIONS EQUIPMENT CABINET RACK VERTICAL PROFILE	01012026	SD-5105	SIGNALS AND HOUSING GRAPHIC SYMBOLS	010120
	S SUBSYSTEM D EQUIPMENT DETAILS	01012026	SD-4521	(UNDER TRACK) TYPICAL BORE DETAIL	01012026	SD-4804	DISTRIBUTION CABINET	01012026	SD-5106 SD-5107	SWITCH AND DERAIL SYMBOLS STANDARD PLACEMENT	010120 010120
			SD-4522	(STREET CROSSING) TYPICAL ASPHALT AND CONCRETE	01012026	SD-4820	VERTICAL PROFILE UPS AND DISTRIBUTION	01012026	05 0107	INSULATED JOINTS AT SIGNAL LOCATIONS	010120
ECURITY	SYSTEM			TRENCH DETAIL		SD-4830	SUBSYSTEM DETAILS MAIN CONDUIT PLAN	01012026	SD-5108	TYPICAL SIGNAL/CROSSING LOCATION	010120
	TV SUBSYSTEM D EQUIPMENT DETAILS	01012026	SD-4523	TYPICAL HOUSE AND CASE CONDUIT OUTSIDE WALL ENTRY	01012026		OUTBOARD PLATFORM		SD-5109	TERMINATION TYPICAL CABLE TERMINATION	010120
					PENIN	ISULA CO	PRRIDOR JOINT POWERS BO	OARD	ENGINEER	ING STANDARD DRAWINGS	CADD FILE NAME: SD-1001
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DWG NO	DESCRIPTION	RVN DATE	DWG NO	DESCRIPTION	RVN DATE	DWG NO	DESCRIPTION	RVN DATE	DWG NO	DESCRIPTION	RVN DA
SIGNAL (CONTIN	AND COMMUNICATIONS	3	SD-5206	TERMINAL BOX TYPICAL SIGNAL TERMINAL BOX	01012026	SD-5315	ROTATING HELPER ROD ASSEMBLY LAYOUT, NO. 20 WOOD TIES	01012026	SD-5413	PEDESTRIAN WARNING DEVICE FOR PEDESTRIAN AND BICYCLE ONLY CROSSINGS	0101202
COMM	(OLD)		SD-5207 SD-5208	SIGNAL NUMBER PLATE DETAILS NOT USED	01012026 01012026	SD-5316	TYPICAL "T" CRANK AND PIPE GUIDE AUXILIARY CONNECTION	01012026	SD-5414	PEDESTRIAN WARNING DEVICE LAYOUT AT VEHICLE CROSSINGS	0101202
ENERAL	SIGNAL (CONTINUED)		SD-5209	SIGNAL BRIDGE	01012026	SD-5317	ADJUSTER FOR INTERLOCKING SWITCHES	01012026	SD-5415	MODEL "W" WALKOUT	010120
	RACK WIRES PICAL TRACK WIRES LAYOUT	01012026	SD-5210	TYPICAL SIGNAL BRIDGE SIGNAL CANTILEVER	01012026	SD-5318	SCREW JAW, SOLID JAW AND ADJUSTABLE LINK	01012026	SD-5416	CANTILEVER SIGNAL MODEL "WNR" WALKOUT	010120
	PICAL GROUNDING OR SIGNAL LOCATIONS	01012026	SD-5211	TYPICAL SIGNAL CANTILEVER TYPICAL BRIDGE AND CANTILEVER	01012026	SD-5319	THROW ROD AND SWIVEL ROD FOR SWITCH MACHINE	01012026	SD-5417	CANTILEVER SIGNAL TYPICAL GUARD RAILS	010120
	AIL BONDING DETAILS	01012026		FOUNDATION		SD-5320	RACOR TYPE "MJ"	01012026		FOR HIGHWAY CROSSINGS	
	TANDARD PLACEMENT F FOULING WIRES	01012026	SD-5212 SD-5213	RELAY CASE FOUNDATION H-2 DWARF SIGNAL	01012026 01012026		NO. 1 INSULATED SWITCH ROD SHEET 1 OF 2		SD-5418	WIND SUPPORT FOR TUBULAR GATE ARM	010120
	DUNDATION FOR GROUND SIGNAL, ATE AND FLASHER MAST	01012026	SD-5214	PLACEMENT AND FOUNDATION TYPICAL DWARF SIGNAL	01012026	SD-5321	RACOR TYPE "MJ" NO. 1 INSULATED SWITCH ROD	01012026	SD-5419	HIGHWAY GRADE CROSSING WARNING DEVICES	010120
	ROSSOVER WITH HMAC UNDERLAY PICAL CROSSOVER LAYOUT	01012026		SIGNAL MARKER LIGHT		SD-5322	SHEET 2 OF 2 9B ELECTRIC LOCK	01012026	SD-5420	LOCATION OF AUTOMATIC WARNING DEVICES	010120
D-5116 T`	PICAL MARKING LEGEND	01012026	SD-5215 SD-5216	TYPICAL DWARF SIGNAL LENSES TYPICAL SIGNAL LAYOUT, PERMANENT	01012026 01012026		LOW SWITCH LAYOUT		SD-5421		010120
	OUSE YPICAL GRADE CROSSING GATE WITH	01012026		RED END OF PLATFORM LIGHTS		SD-5323	9B ELECTRIC LOCK HICH SWITCH LAYOUT	01012026	SD-5422	HIGHWAY GRADE CROSSING TYPICAL 2-LANE WITH	010120
EI	MERGENCY NOTIFICATION SIGN		SD-5217	TYPICAL SIGNAL APPARATUS GROUNDING	01012026	SD-5324	MODEL 10A ELECTRIC SWITCH LOCK LAYOUT	01012026	SD-5423	PEDESTRIAN GATE NOT USED	010120
	JNCTION BOX JNED JOINT COUPLER	01012026				SD-5325	A-5 E. P. SWITCH MACHINE TYPICAL SWITCH MACHINE LAYOUT	01012026		HIGHWAY GRADE CROSSING W/ MEDIAN	010120
	AGO SCREWLESS CAGE CLAMP DARD WIRING DETAILS	01012026	SWITCH	APPARATUS		SD-5326	POINT LUG INSULATION DETAILS	01012026		TYPICAL 4—LANE WITH PEDESTRIAN GATE	
	RAGGING EQUIPMENT DETECTION E BRACKET	01012026	SD-5301	TYPICAL PEDESTAL	01012026				SD-5425	NOT USED	010120
	ND MOUNT ARRANGEMENT ABLE JUNCTION CASE	01012026	SD-5302	JUNCTION BOX CIRCUIT CONTROLLER PLACEMENT AT	01012026	HIGHWA	Y GRADE CROSSING APPARAT	US	SD-5426	HIGHWAY GRADE CROSSING NO MEDIAN TYPICAL 3-LANE WITH PEDESTRIAN GATE	010120
)-5122 T`	PICAL SIGNAL/CROSSING LOCATION	01012026		HAND THROW SWITCHES		SD-5401	TYPICAL HIGHWAY CROSSING SIGNALS	01012026	SD-5427	TRACKSIDE TERMINATION	010120
	ABLE TROUGH JLL BOX	01012026	SD-5303	SWITCH CIRCUIT CONTROLLER ROD AND LUG — BALL AND SOCKET	01012026	SD-5402	LIGHT UNIT ALIGNMENT TYPICAL CROSSING LOCATIONS	01012026		SHUNT ENCLOSURE	
T`	PICAL PULL BOX INSTALLATION		SD-5304	ALSTOM 5F SWITCH MACHINE SWITCH TIES AND GAUGE PLATE EXT.	01012026	SD-5403	FLASHING LIGHT SIGNALS WITH GATES	01012026			
	PICAL SIGNAL EQUIPMENT ASE GROUNDING	01012026	SD-5305	M-23A SWITCH MACHINE SWITCH TIES AND GAUGE PLATE EXT.	01012026	SD-5404	HOUSE CONDUIT LAYOUT FLASHING LIGHT SIGNALS WITH	01012026	8' X 1	4' SIGNAL HOUSE	
	PEDANCE BOND DETAILS (PICAL BONDING UNIVERSAL AND	01012026	SD-5306	M-23A SWITCH MACHINE LAYOUT NO. 20 TURNOUT, RIGHT MOUNTED	01012026	SD-5405	ENTRANCE AND EXIT GATES CANTILEVER FLASHERS WITH	01012026	SD-5501	AC DISTRIBUTION CIRCUITS SHEET 1 OF 2	010120
SI	NGLE CROSSOVER LAYOUT	01012026	SD-5307	M-23A SWITCH MACHINE LAYOUT	01012026		ENTRANCE AND EXIT GATES		SD-5502	AC DISTRIBUTION CIRCUITS SHEET 2 OF 2	010120
	PICAL DIAMOND AND SINGLE JRNOUT LAYOUT	01012026	SD-5308	NO. 20 TURNOUT, LEFT MOUNTED M-23A SWITCH MACHINE LAYOUT	01012026	SD-5406	FLASHING LIGHT SIGNALS WITH ENTRANCE AND EXIT GATES AND MEDIAN	01012026	SD-5503	RACK 1 DETAILS	010120
SIGNAL AF	PPARATUS			NO. 10 OR NO. 14 CONCRETE TIES		SD-5407	CANTILEVER FLASHERS WITH	01012026		RACK 2 DETAILS	010120
	ROUND SIGNAL	01012026	SD-5309	M-23A SWITCH MACHINE LAYOUT NO. 10 OR NO. 14 WOOD TIES	01012026		ENTRANCE AND EXIT GATES AND MEDIAN		SD-5505 SD-5506	RACK 3 DETAILS TERMINAL BOARD 1	010120 010120
	NGLE UNIT COLORLIGHT ROUND SIGNAL (22 FEET)	01012026	SD-5310	5F SWITCH MACHINE LAYOUT NO. 20 TURNOUT, RIGHT MOUNTED	01012026	SD-5408	NOT USED	01012026	SD-5507	TERMINAL BOARD 2	010120
	OUBLE UNIT COLOR LIGHT ROUND SIGNAL (22 FEET)	01012026	SD-5311	5F SWITCH MACHINE LAYOUT NO. 20 TURNOUT, LEFT MOUNTED	01012026	SD-5409	CROSSING GATE WITH AND WITHOUT FLASHING LIGHT SIGNALS	01012026	SD-5508	SIDE A	010120
В	-DIRECTIONAL COLORLIGHT		SD-5312	5F SWITCH MACHINE LAYOUT NO. 10 OR NO. 14 CONCRETE TIES	01012026	SD-5410	PEDESTRIAN WARNING DEVICE STATION PED CROSSING GATE	01012026		SIDE C HOUSE LAYOUT	010120 010120
W	ROUND SIGNAL (22 FEET) TH 2ND UNIT —DIRECTIONAL COLORLIGHT	01012026	SD-5313	5F SWITCH MACHINE LAYOUT	01012026	SD-5411	PEDESTRIAN WARNING DEVICE AT VEHICLE CROSSINGS	01012026	SD-5511	HOUSE GROUNDING DETAIL	010120
D-5205 SI	GNAL UNIT DETAILS	01012026	SD-5314	NO. 10 OR NO. 14 WOOD TIES ROTATING HELPER ROD ASSEMBLY	01012026	SD-5412	PEDESTRIAN GATE ASSEMBLY AT VEHICLE CROSSINGS	01012026	SD-5512	HOUSE GROUNDING LAYOUT	010120
	PICAL COLORLIGHT			LAYOUT, NO. 20 CONCRETE TIES							
					PENIN		DRRIDOR JOINT POWERS I	BOARD	ENGINEER	RING STANDARD DRAWINGS	CADD FILE NAME: SD-1001
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TRAIN	CONTROL COMMUNICATION	NS	VOICE R	ADIO – CCF INTERFACE		VOICE	RADIO – TUNNEL RADIO SITES	5	ATCS ([DATA) RADIO	
	RADIO – BASE STATIONS		SD-6101	ROAD CHANNEL INTERFACE AT CCF RECEIVING PATH	01012026	SD-6301	TYPICAL TUNNEL	01012026	SD-6500	RADIO BASE STATION SITES AND CONTROL POINTS	010120
SD-6001	GENERAL SYMBOLS —	01012026	SD-6102	ROAD CHANNEL INTERFACE AT CCF TRANSMITTING PATH	01012026	SD-6302	VHF COMMUNICATION FOR TUNNELS	01012026	SD-6501	SINGLE LINE DRAWING CP 4TH STREET TO CP TROUSDALE	010120
SD-6002	VHF VOICE RADIO AND DATA RADIO NETWORK VOICE AND ATCS BASE STATIONS	01012026	SD-6103	ROAD CHANNEL VOTING AND STEERING	01012026	SD-6303	TUNNEL RADIO CABINET SHEET 1 OF 3	01012026	SD-6502	SINGLE LINE DRAWING	010120
	DED TRANSMITTERS: MP00.0 - MP14.0			INTERFACE AT CCF SHEET 1 OF 3		SD-6304	TUNNEL RADIO CABINET SHEET 2 OF 3	01012026	SD-6503	CP TROUSDALE TO CP ALMA SINGLE LINE DRAWING	010120
D-6003	VOICE AND ATCS BASE STATIONS DED TRANSMITTERS: MP17.0 — MP31.0	01012026	SD-6104	ROAD CHANNEL VOTING AND STEERING INTERFACE AT CCF	01012026	SD-6305	TUNNEL RADIO CABINET	01012026		CP ALMA TO CP BOWERS	
SD-6004	VOICE AND ATCS BASE STATIONS DED TRANSMITTERS: MP40.0 — CP LICK	01012026	SD-6105	SHEET 2 OF 3 ROAD CHANNEL VOTING AND STEERING	01012026	SD-6306	SHEET 3 OF 3 TUNNEL 4	01012026	SD-6504	SINGLE LINE DRAWING CP BOWERS TO CP LICK	010120
D-6005	EXISTING BASE STATIONS, DED AND CORRIDOR TERRAIN	01012026		INTERFACE AT CCF SHEET 3 OF 3		SD-6307	PLAN VIEW TUNNEL 3	01012026	SD-6600	BLOCK DIAGRAM, CHANNELS 2 AND 5 MONUMENT PEAK BASE STATION	010120
D-6006	SHELTER AND TOWER ELEVATION	01012026	SD-6106	PMx W/ Vx LINUX SERVERS AND PENTA PMx APPLICATION	01012026		PLAN VIEW AND DETAILS		SD-6601	MONUMENT PEAK BASE STATION EQUIPMENT RACK	01012
	VHF (BELOW) PTC (TOP ANTENNAS — SAN FRANCISCO		SD-6107	TOWER / LIGHT POLE LOCATIONS	01012026	SD-6308	TUNNEL 2 PLAN VIEW AND DETAILS	01012026	SD-6602	MONUMENT PEAK BASE STATION ANTENNA TOWER AND MOUNTING DETAIL	01012
SD-6007	VHF CO-LOCATED W/ PTC TOWER AND COMMUNICATION HUT	01012026		VHF RADIO SHELTER PLANS — SAN JOSE RADIO ROOM		SD-6309	TUNNEL 1 ELEVATION VIEW	01012026	SD-6603	MONUMENT PEAK BASE STATION	010120
SD-6008	- HILLSDALE VHF CO-LOCATED W/ PTC TOWER	01012026	SD-6108	COMMUNIATION HUT FLOOR PLAN VHF RADIO SHELTER PLAN	01012026	SD-6310	PTC TUNNEL 1 SHELTER & TOWER ELEVATION	01012026	SD-6604	ATCS ANTENNA ARRAY DETAILS CEMOF BASE STATION	010120
	AND COMMUNICATION HUT — STANFORD		SD-6109	- SAN JOSE RADIO SITE TOWER / ANTENNA	01012026	SD-6311	PTC TUNNEL 1	01012026		BLOCK DIAGRAM OF ATCS DATA RADIO	
D-6009	VHF RADIO DIAGRAM	01012026		VHF RADIO SHELTER PLAN — SAN JOSE		SD-6312	NORTH & SOUTH PORTAL ELEVATIONS PTC TUNNEL 1	01012026	SD-6605	CEMOF BASE STATION DATA RADIO INSTALLATION DETAILS	01012
)-6010)-6011	PTC SITE MAP VHF & PTC SITE MAP	01012026 01012026	SD-6110	RADIO SITE LIGHT — POLE / ANTENNA VHF RADIO SHELTER PLAN	01012026		TUNNEL ELEVATION DAGRAM		SD-6606	CEMOF BASE STATION TOWER EXTENSION DETAILS	01012
D-6011	PTC SCHEMATIC DIAGRAM	01012026	CD 6111	- SAN JOSE	01010006	SD-6313	PTC TUNNEL 2 SHELTER & TOWER ELEVATION	01012026	SD-6607	CEMOF BASE STATION TOWER INSTALLATION DETAILS	01012
D-6013	SHELTER AND TOWER DIAGRAM	01012026	SD-6111	CENTRALIZED TRAIN CONTROL RELAY SERVICE SYSTEM CONFIGURATION — SAN JOSE	01012026	SD-6314	PTC TUNNEL 2 NORTH & SOUTH PORTAL ELEVATIONS	01012026	SD-6608	SAN BRUNO MOUNTAIN	01012
D-6014	SCHEMATIC DIAGRAM	01012026	SD-6112	COMM HUT NORTH WALL LAYOUT	01012026	SD-6315	PTC TUNNEL 2 TUNNEL ELEVATION DAGRAM	01012026		BASE STATION SITE ANTENNA DETAILS	
OICE F	RADIO – EXISTING SYSTEM			VHF RADIO SHELTER PLAN — SAN JOSE		SD-6316	PTC TUNNEL 3	01012026	SD-6609	BASE STATION SITE	01012
0-6050	BLOCK DIAGRAM	01012026	SD-6113	COMM HUT SOUTH WALL LAYOUT VHF RADIO SHELTER PLAN	01012026	SD-6317	SHELTER & TOWER ELEVATION PTC TUNNEL 3	01012026	SD-6610	ANTENNA TOWER DETAILS SAN BRUNO MOUNTAIN	01012
0-6051	SAN JOSE BASE STATION	01012026	CD 6114	- SAN JOSE	01012026	35 3317	NORTH & SOUTH PORTAL ELEVATIONS	01012020	30-0010	BASE STATION ATCS ANTENNA ARRAY DETAILS	01012
-6052	SAN CARLOS BASE STATION	01012026	SD-6114	COMM HUT WEST WALL LAYOUT VHF RADIO SHELTER PLAN	01012026	SD-6318	PTC TUNNEL 3 TUNNEL ELEVATION DAGRAM	01012026	SD-6611	BASE STATION	0101:
-6053	SIGN HILL BASE STATION	01012026		- SAN JOSE		SD-6319		01012026	30-0011	SIGNAL AND DC LINE DIAGRAM	0101
-6054	4TH STREET BASE STATION	01012026					SHELTER & TOWER ELEVATION		SD-6612	BASE STATION ELECTRICAL LOAD ANALYSIS	0101
-6055	NEW VHF VOICE COMMUNICATIONS MAP	01012026	VOICE R	ADIO - MAINTENANCE CHANNEL		SD-6320	PTC TUNNEL 4 NORTH & SOUTH PORTAL ELEVATIONS	01012026	SD-6613	BASE STATION BATTERY BACKUP SYSTEM	0101
-6056	NEW VHF RADIO NETWORK	01012026	SD-6151	MAINTENANCE CHANNEL VOTING AND STEERING INTERFACE AT CCF	01012026	SD-6321	PTC TUNNEL 4 TUNNEL ELEVATION DAGRAM	01012026	SD-6614	SAN BRUNO MOUNTAIN STATION	0101:
-6057	SCHEMATIC DIAGRAM VHF RADIO SHELTER PLAN	01012026	SD-6152	DTX, LAN AND IP ADDRESS	01012026	SD-6322	PTC TUNNEL 1 SCHEMATIC DIAGRAM	01012026	SD-6615	AMERICAN TOWER BUILDING NO. 8 GROUNDING AND LIGHTNING	0101
 .	- SAN JOSE	~ .~.~~	SD-6153	AT CCF MAINTENANCE CHANNEL BASE STATION	01012026	SD-6323	PTC & VHF NETWORK	01012026		PROTECTION SYSTEM	
)-6058	RACK #1 LAYOUT VHF RADIO SHELTER PLAN — SAN JOSE	01012026	35 0100	TYPICAL OF MOUNTAIN TOPS	01012020		FOR TUNNELS		SD-6616	BASE STATION SITE ALARMS BLOCK DIAGRAM	01012
)-6059	RACK #2 LAYOUT	01012026							SD-6617	BASE STATION RECTIFIER FAIL ALARM CIRCUIT DIAGRAM	0101
	VHF RADIO SHELTER PLAN — SAN JOSE		VOICE R	ADIO – MICROWAVE NETWORK		VOICE	RADIO - DED SITES		SD-6618	INTERFACE TO LEASED TELEPHONE CIRCUITS	0101
0-6060	RACK #3 LAYOUT VHF RADIO SHELTER PLAN	01012026	SD-6201	MICROWAVE NETWORK ARCHITECTURE	01012026	SD-6351	TYPICAL DRAGGING EQUIPMENT DETECTOR	01012026		CIRCUIT DIAGRAM	
	- SAN JOSE		SD-6202	MICROWAVE RADIO SITE DESIGN	01012026				SD-6619	MOBLE DATA RADIO SYSTEM BLOCK DIAGRAM	01012
					PENII	NSULA CO	ORRIDOR JOINT POWERS E	BOARD	ENGINEER	ING STANDARD DRAWINGS	CADD FILE NAME: SD-1001
						APPROVE	ED BY:			GENERAL	REV: EDITION:
						Bin 2	hang	train.	IN.	IDEX OF DRAWINGS	SCALE: NONE
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	TRAIN CONTROL COMMUNICATIONS						
(CONTINUED)		SD-8101 TRACK UNDERDRAIN AND TRACKSIDE DITCH DETAILS	01012026				
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SD-6620 RADIO INTERFACE AND FRONT END	01012026	RIGHT-OF-WAY					

CIRCUIT DIAGRAM 40 AND 60 FOOT TILT-DOWN TOWER 01012026 FOUNDATION DETAILS SD-6702 80 FOOT TILT-DOWN TOWER 01012026 FOUNDATION DETAILS SD-6703 40 FOOT TILT-DOWN TOWER 01012026 TILT MECHANISM 01012026 SD-6704 60 FOOT TILT-DOWN TOWER TILT MECHANISM 01012026 SD-6705 80 FOOT TILT-DOWN TOWER TILT MECHANISM OMNIDIRECTIONAL ANTENNA 01012026 SD-6706 TYPICAL DETAILS

RIGHTOF-WAT

FENCING

SD-9001 RESIDENTIAL AREA 01012026 WELDED WIRE MESH FENCE SD-9002 INDUSTRIAL AREA 01012026 CHAIN-LINK FENCE SD-9003 HIGH SECURITY AREA 01012026 EXPANDED METAL MESH FENCE

RIGHT-OF-WAY (CONTINUED)

SIGNAGE

GIVADL	_ (1103311103		SD-9101	LETTERING FOR SIGNS	01012026
SIDEWAL	KS AND CROSSINGS		SD-9102	CONTROL POINT SIGNS	01012026
SD-7001	PEDESTRIAN SIDEWALK AT	01012026	SD-9103	MILEPOST MARKER AND NO TRESSPASSING/SUICIDE SIGNS	01012026
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SD-7002	PEDESTRIAN SIDEWALK AT ACUTE ANGLE INTERSECTION	01012026	SD-9105	TEMPORARY TRACK CONDITION SIGNS	01012026
SD-7003	PEDESTRIAN SIDEWALK AT	01012026	SD-9106	PERMANENT SPEED SIGNS	01012026
	OBTUSE ANGLE INTERSECTION		SD-9107	WHISTLING BOARD AND	01012026
SD-7004	PEDESTRIAN CROSSING AT STATIONS	01012026		STATION ONE MILE SIGN	
	CROSSINGS PATHWAY LAYOUT		SD-9108	ATTEND TO DERAILING SWITCH SIGN	01012026
SD-7005	GATE, RAILING AND SIGNAGE SHEET 1 OF 2	01012026	SD-9109	DERAIL SIGN	01012026

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CIVIL ENGINEERING

SD-7006 GATE, RAILING AND SIGNAGE

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GRADE CROSSINGS

CROSSING UTILITIES

01012026 SD-8000 PIPELINES GENERAL REQUIREMENTS SD-8001 01012026 PIPELINES FOR NON-FLAMMABLE SUBSTANCES

01012026 PIPELINES FOR FLAMMABLE AND HAZARDOUS SUBSTANCES

		PENINSULA CORRIDOR JOIN	T POWERS BOARD
O10126 FIFTH EDITION REV DATE BY CHK APP DESCRIPTION	REV DATE BY CHK APP	Bin Zhang DIRECTOR, ENGINEERING	Caltrain





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SD-1001 EDITION: FIFTH SCALE: NONE STANDARD DRAWING NO.: SD-1007

TRACK GEOMETRY - HORIZONTAL GENERAL, CIVIL AND TRACK CC AGGREGATE BASE DIST DISTRIBUTION INCHES TS TUBULAR STEEL COMPOUND CURVATURE PROPERTY LINE CS INCORPORATED TUB POINT OF CHANGE FROM CIRCULAR CURVE TO SPIRAL **ABN** ABANDON DN DOWN TUBULAR PNA PERSON NEEDING ASSISTANCE ABU1 **ABUTMENT** DR DRIVE INCL INCLUDE, INCLUDING TVM TICKET VENDING MACHINE PNL PANEL ASPHALT CONCRETE k1 TANGENT DISTANCE OF SHIFTED PC REFERRED TO TS AC DTR DETOUR INSUL TYP **TYPICAL** INSULATION PP POWER POLE k2 ADA AMERICANS WITH DISABILITIES DWG DRAWING INT **INTERIOR** TANGENT DISTANCE OF SHIFTED PT REFERRED TO ST PPP PERFORATED PLASTIC PIPE ACT INV INVERT UTILITY BOX PR TOTAL LENGTH OF CIRCULAR CURVE FROM PC TO PT **ADJ ADJUSTABLE** IR INSIDE RADIUS UD UNDERDRAIN **EXISTING PSF** POUNDS PER SQUARE FOOT OR SC TO CS AHD AHEAD **IRRIGATION** UG UNDERGROUND EAST PSI POUNDS PER SQUARE INCH LENGTH OF COMPOUND SPIRAL FROM CS TO SC **ALIGN** ALIGNMENT UON UNLESS OTHERWISE NOTED Lsc EΑ EACH РΤ POINT LENGTH OF SPIRAL FROM TS TO SC ALT **ALTERNATE** JB JUNCTION BOX UP UNDERPASS Ls1 **EASTBOUND** PVC POLYVINYL CHLORIDE JT UTIL Ls2 LENGTH OF SPIRAL FROM CS TO ST ALUM ALUMINUM JOINT UTILITY END OF BRIDGE PVMT PAVEMENT APPROX APPROXIMATE END CURB RETURN OFFSET FROM INITIAL TANGENT TO PC OF SHIFTED ARCHITECTURAL LB POUNDS VAR VARIES EACH END QUANTITY CIRCLE OF SPIRALIZED CURVE AS AGGREGATE SUBBASE LEGEND VEH VEHICULAR, VEHICLE EACH FACE **ASPH** OFFSET FROM INITIAL TANGENT TO PT OF SHIFTED **ASPHALT** LF LINEAL FEET VEL **VELOCITY** EMPLOYEE IN CHARGE RELOCATED CIRCLE OF SPIRALIZED CURVE AVE **AVENUE** LG LONG **VERT** VERTICAL EXPANSION JOINT RADIUS **AVERAGE** LGT LIGHT VMS VISUAL MESSAGE SIGN AVG POINT OF CURVATURE/POINT OF CHANGE FROM TANGENT **ELEC ELECTRICAL** RC REINFORCED CONCRETE LENGTH VOL VOLUME TO CIRCULAR CURVE ELEVATION REINFORCED CONCRETE PIPE BAA BOARDING ASSISTANCE AREA LH LEFT-HAND PCC POINT OF COMPOUND CURVE EMB **EMBANKMENT** RD ROAD **BBR WEST** BEGINNING OF BRIDGE LIM LIMITS **EMER** POINT OF INTERSECTION **EMERGENCY** RECT RECTANGULAR BEGIN CURB RETURN LN LANE W/ WITH POC POINT ON CIRCULAR CURVE **ENCL ENCLOSURE** REF REFERENCE **BEGIN** LOC LOCATION POS POINT ON SPIRAL ENGINEER, ENGINEERING REINF REINFORCED WITHOUT BK **BACK** LONGITUDINAL POINT ON TANGENT POT EΡ EDGE OF PAVEMENT REL RELOCATE **WESTBOUND BACKFILI** LOW POINT PRC EQ POINT OF REVERSE CURVATURE EQUATION REQD REQUIRED WP WORK POINT LT BUILDING LEFT PS **EQUIP EQUIPMENT** WPF POINT OF SWITCH REV **REVISION** WATERPROOF **BOULEVARD** LIGHTING ES EDGE OF SHOULDER РΤ RH WRT WITH RESPECT TO POINT OF TANGENCY/POINT OF CHANGE FROM CIRCULAR RIGHT-HAND ВМ BENCHMARK LEVEL **ESMT** LVL EASEMENT RO WT CURVE TO TANGENT ROUGH OPENING WEIGHT BOTTOM OF CURB EDGE OF TRAVELED WAY RR RAILROAD WELDED WIRE MESH WWM BOTTOM OF PIPE **BOP** MAS MAXIMUM AUTHORIZED SPEED ΕW END WALL POINT OF CHANGE FROM SPIRAL TO CIRCULAR CURVE RT RIGHT BOT BOTTOM MAXMAXIMUM EXC EXCAVATION SS POINT OF CHANGE FROM SPIRAL TO SPIRAL RTE ROUTE XING CROSSING BOTTOM OF WALL MECH **MECHANICAL** EXP **EXPANSION** ST RW **XOVER** CROSSOVER POINT OF CHANGE FROM SPIRAL TO TANGENT RETAINING WALL BR **BRIDGE** MED MEDIAN EXTERIOR, EXTENSION SPO POINT ON ORIGIN OF COMPOUND SPIRAL ROW RIGHT-OF-WAY BOTTOM OF SLOPE MEM **MEMBRANE** YD YARDS METAL Ts1 YR YEAR TANGENT DISTANCE FROM TS TO PI FUTURE SOUTH CURB МН MANHOLE, MAINTENANCE HOLE TANGENT DISTANCE FROM ST TO PI Ts2 FACE OF CURB SALV SALVAGE CURB AND GUTTER MIN MINIMUM TS POINT OF CHANGE FROM TANGENT TO SPIRAL FD FLOOR DRAIN SB SOUTH BOUND MISC CABINET **MISCELLANEOUS** SCHD SCHEDULE FOUNDATION **CALP** CORRUGATED ALUMINUM PIPE MOD MODIFIED Xs1 TANGENT OFFSET AT SC SD STORM DRAIN FILTER FABRIC CAP CAPACITY MON MONUMENT TANGENT OFFSET AT CS SECT SECTION Xs2 FINISHED GRADE CATCH BASIN MAINTENANCE OF WAY FΗ FIRE HYDRANT SERV SERVICE CEMENT **MILEPOST** Ys1 FIN FINISH TANGENT DISTANCE AT SC SQUARE FEET MPH CUBIC FEET MILES PER HOUR Ys2 SG SUBGRADE TANGENT DISTANCE AT CS FLOW LINE CENTER OF GRAVITY MECHANICALLY STABILIZED SHT SHEET FLR FLOOR CAST IRON EARTH SIG SIGNAL Δ TOTAL CENTRAL ANGLE OF SPIRALIZED CURVE FIBER OPTIC CABLE/CARRIER MSL CAST IN DRILLED HOLE MEAN SEA LEVEL SIM SIMILAR FEET PER SECOND Δc CENTRAL ANGLE OF CIRCULAR CURVE (Lc) FROM SC TO CS FPS CIP CAST IN PLACE MTL MATERIAL SL SLOPE CENTRAL ANGLE OF FIRST CIRCULAR CURVE OF FRAME Δc1 CIV CIVIL **SPEC SPECIFICATION** FINISH SURFACE COMPOUND CURVATURE CONSTRUCTION JOINT NEW SQ SQUARE FEET FT CENTRAL ANGLE OF SECOND CIRCULAR CURVE OF CENTER LINE NORTH SS STAINLESS STEEL, SANITARY FOOTING COMPOUND CURVATURE CHAIN LINK NOT APPLICABLE SEWER **FREEWAY** CLEAR ST STREET NORTHBOUND Θs1 CENTRAL ANGLE OF SPIRAL LENGTH Ls1 OR SPIRAL ANGLE CORRUGATED METAL PIPE STA STATION NOT IN CONTRACT GAUGE OR GAGE OF FIRST SPIRAL IN SPIRALIZED CURVE CONCRETE MASONRY UNIT STANDARD GALLON NUMBER CENTRAL ANGLE OF SPIRAL LENGTH Ls2 OR SPIRAL **CND** CONDUIT NOMINAL NOM STIFFENER GALV GALVANIZED ANGLE OF SECOND SPIRAL IN SPIRALIZED CURVE CO CLEANOUT NOT TO SCALE STL STEEL GRADING CONTROL LINE CENTRAL ANGLE OF COMPOUND SPIRAL OR COMPOUND CENTER ON CENTER STRL STRUCTURAL GND GROUND SPIRAL ANGLE FROM CS TO SC COL COLUMN STRUCT STRUCTURE OVERALL GOVERNMENT COMB COMBINE OB OUTBOUND SIDEWALK GRADING PLANE COMM COMMUNICATIONS ON CENTERS SY SQUARE YARDS GALLONS PER MINUTE CONC CONCRETE OVERHEAD CONTACT SYSTEM SYMB SYMBOL **GUARDRAIL** CONN CONNECTION OUTSIDE DIAMETER SYMM SYMMETRICAL TRACK GEOMETRY - VERTICAL GALVANIZED STEEL PIPE **CONST** CONSTRUCTION ORIGINAL GRADE CONT CONTINUOUS, CONTINUE BEGIN VERTICAL CURVE ОН OVERHEAD TOP AND BOTTOM BVC HAZHAZARDOUS COORD COORDINATE **OVERPASS** TAN **TANGENT** HOSE BIBB CP CONTROL POINT OPNG **OPENING** TOTAL SUPERELEVATION IN INCHES TO BE DETERMINED HEAVY DUTY CRV CURVE ACTUAL SUPERELEVATION IN INCHES OPP **OPPOSITE** TOP OF CONCRETE Ea HIGH-DENSITY POLYETHYLENE CORRUGATED STEEL PIPE **ORGANIZATION** TD TRENCH DRAIN UNBALANCED SUPERELEVATION IN INCHES Eu **HEXAGONAL** CTR CENTER TEL TELEPHONE END VERTICAL CURVE EVC HANDHOLE CULVERT PASSENGER **TEMPERATURE** PAX CVR COVER PB TRACK FEET PCVC POINT OF COMPOUND VERTICAL CURVE PULL BOX HOT MIX ASPHALT CONCRETE HMAC CONTINUOUS WELDED RAIL PORTLAND CEMENT. PRECAST TH THICK PIVC POINT OF INTERSECTION OF TWO PROFILE TANGENTS HORIZONTAL CUBIC YARDS CONCRETE TO **TURNOUT** POVC POINT ON VERTICAL CURVE HIGH POINT PORTLAND CEMENT CONCRETE POINT ON VERTICAL TANGENT TOP OF CURB POVT HANDRAIL **DELINEATORS** PROFESSIONAL ENGINEER TOP OF GRATE HIGH STRENGTH DEP DEPTH PEDESTRIAN TOL TOLERANCE VC VERTICAL CURVE HOLLOW STEEL TIE DET DETAIL PERM PERMEABLE TOP OF PAVEMENT, TOP OF HT HEIGHT DFT DRY FILM THICKNESS PERFORATED PIPE HW**HEADWALL** DFX DIRECT FIXATION PLATFORM TOP OF RAIL HWY HIGHWAY DRAIN INLET PG PAGE TOP OF SLOPE DIA DIAMETER PROFILE GRADE LINE TOT TOP OF TIE INSIDE DIAMETER DIAG DIAGONAL PΗ POTHOLE TOW TOP OF WALL INVERT ELEVATION DIM DIMENSION PLATE TRANSITION TRANS INSULATED JOINT DIR DIRECTION CADD FILE NAME: PENINSULA CORRIDOR JOINT POWERS BOARD **ENGINEERING STANDARD DRAWINGS** SD-1101 **EDITION: GENERAL** APPROVED BY: FIFTH **ABBREVIATIONS**

DIRECTOR, ENGINEERING

FIFTH EDITION

DESCRIPTION

REV DATE BY CHK APP

010126

DATE BY CHK APP

Caltrain.

SCALE:

CIVIL AND TRACK

NO SCALE

SD-1101

TANDARD DRAWING NO.:

STATION	COMMUNICATIONS			SIGNAL	<u>S</u>	TRAIN	CONTROL COMMUNICATION				AGENCIES, C	DRGANIZATIONS AND CODES	
ACS	ADVANCED COMMUNICATION SYSTEM BACKUP CENTRAL CONTROL	NTP NVR	NETWORK TIME PROTOCOL NETWORK VIDEO RECORDER	AK BS	APPROACH TRACK INDICATION	ON AC AMP ATCS	ALTERNATING CURRENT AMPLIFIER ADVANCE TRAIN CONTROL	ROCS RX	RAIL OPERATIONS CONTROL SYSTEM RECEIVE		AASHTO AAR	AMERICAN ASSOCIATION OF S TRANSPORTATION OFFICIALS ASSOCIATION OF AMERICAN R	S AILROADS
BCCF BER	BACKUP CENTRAL CONTROL FACILITY BIT—ERROR RATE	OCC OSP PA	OPERATION CONTROL CENTER OUTSIDE PLANT PUBLIC ADDRESS	DAX	DOWNSTREAM ADJACENT CROSSING	BER BPF	SYSTEM BIT ERROR RATE BAND PASS FILTER	S SB	SPEAKER SAN BRUNO MOUNTAIN BASE STATION		ACE ACI ADA AMTRAK	ALTAMONT CORRIDOR EXPRES AMERICAN CONCRETE INSTITUT AMERICANS WITH DISABILITIES NATIONAL RAILROAD PASSEN	TE ACT
CC CCF CCTV	COMMUNICATIONS CABINET CENTRAL CONTROL FACILITY CLOSED CIRCUIT TELEVISION	PAS PDA PDU	PUBLIC ADDRESS SYSTEM PERSONAL DIGITAL ASSISTANT POWER DISTRIBUTION UNIT	EMS	EMERGENCY ALARM CONTRO	L BS C	BASE STATION CONDUIT	SINAD SVR	SIGNAL TO NOISE AND DISTORTION SERVER		ANSI APWA AREA	AMERICAN NATIONAL STANDAI AMERICAN PUBLIC WORKS AS: AMERICAN RAILWAY ENGINEER	RDS INSTITUTE SOCIATION ING ASSOCIATION
CER CIC	CAMERAS COMMUNICATIONS EQUIPMENT ROOM COMMUNICATIONS INTERFACE	PID PIDS	PASSENGER INFORMATION DISPLAY PASSENGER INFORMATION DISPLAY SYSTEM	FLT FR GCR	SIGNAL FLEETING FLASHER RELAY GATE CONTROL RELAY	CCF CEMOF	CENTRAL CONTROL FACILITY CENTRALIZED EQUIPMENT MAINTENANCE AND OPERATIONS FACILITY	тс/с тст	TRAIN CONTROLS AND COMMUNICATION TRAIN CONTROL TRENCH		AREMA ASTM ATT, AT&T	AMERICAN RAILWAY ENGINEER MAINTENANCE—OF—WAY AS AMERICAN SOCIETY FOR TEST ATLANTIC TELEPHONE AND TE	SOCIATION ING AND MATERIALS
CID CSMH	CABINETS CARD INTERFACE DEVICE COMMUNICATIONS SYSTEM MANHOLE	PIS PLC	PASSENGER INFORMATION SYSTEM PROGRAMMABLE LOGIC CONTROLLER	GD GE GPR	GATE DOWN GREEN SIGNAL LAMP GATE REPEATER RELAY	CP CRC CSU CTC	CONTROL POINT CYCLIC REDUNDANCY CHECKS CHANNEL SERVICE UNIT CENTRALIZED TRAIN CONTROL	UHF	TRANSMITTER ULTRA HIGH FREQUENCY		AWG AWS	AMERICAN WIRE GAUGE AMERICAN WELDING SOCIETY	
CST DC	COMBINED SYSTEM TRUNK DISTRIBUTION CABINET	POE PSTN	POWER OVER ETHERNET PUBLIC SWITCHING TELEPHONE NETWORK	LED LOS	(GATE IN UP POSITION) LIGHT EMITTING DIODE LOSS OF SHUNT	CTCSS	CONTINUOUS-TONE-CODED SQUELCH SYSTEM	VHF	UNDERWRITERS LABORATORY JP UNION PACIFIC VERY HIGH FREQUENCY		BART BNSF CA	BAY AREA RAPID TRANSIT (D BURLINGTON NORTHERN SANT CALIFORNIA	A FE RAILWAY
DDS DSO	DEDICATED DIGITAL SERVICE SINGLE DATA CHANNEL OF 56-65 Kbps	PTB PTT PVC	PROTECTED TERMINAL BLOCKS PUSH TO TALK PRIVATE VIRTUAL CIRCUIT	NGHS NGK	NORTHWARD SIGNAL REQUES	dB ST dBm dBW	DECIBEL DECIBEL REFERENCED TO A MILLIWATT DECIBEL REFERENCED TO A	VHLC	VITAL HARMON LOGIC CONTROLLER (GE)		CALDAG CALTRANS CCJPA	CALIFORNIA DISABLED ACCESS CALIFORNIA DEPARTMENT OF CAPITAL CORRIDOR JOINT PO	TRANSPORTATION WERS AUTHORITY
E&M E—LAN ENS EOS	EAR AND MOUTH ETHERNET LAN EMERGENCY NOTIFICATION SIGN ETHERNET OVER SONET	QOS RPR RTU	QUALITY OF SERVICE RESILIENT PACKET RING REMOTE TERMINAL UNIT	NJSP NWK NWP	INDICATION DUAL SELECTOR LEVER NORMAL SWITCH INDICATION NORMAL SWITCH POINT		WATT DIAL BACKUP DIRECT CURRENT DRAGGING EQUIPMENT	W WRT	WATT WITH RESPECT TO		CCR CEC CHSR CHSRA	CALIFORNIA CODE OF REGULA CALIFORNIA ELECTRICAL CODE CALIFORNIA HIGH SPEED RAIL CALIFORNIA HIGH SPEED RAIL	AUTHORITY
EVC EVPL	ETHERNET OVER SONET ETHERNET PRIVATE LINE ETHERNET VIRTUAL CIRCUIT ETHERNET VIRTUAL PRIVATE	SCC	(COMMUNICATIONS) STATION COMMUNICATION	NWR NWS	POSITION NORMAL SWITCH CONTROL RELAY NORMAL SWITCH REQUEST	DSU DTX	DETECTOR DATA SERVICE UNIT DIGITAL TOUCH EXCHANGE				CPUC DOT	CALIFORNIA PUBLIC UTILITIES DEPARTMENT OF TRANSPORTA	
EVPLAN	LINE ETHERNET VIRTUAL PRIVATE	SFX	CABINET SMALL FORM (PLUGGABLE)	RE	RED SIGNAL LAMP	EIA	ELECTRONIC INDUSTRIES	CITIES	AND COUNTIES		EIA	ELECTRONIC INDUSTRIES ALLIA	
FDP FO	FIBER DISTRIBUTION PANEL FIBER OPTIC	SLA SM SMFOC	CROSS—CONNECT SERVICE LEVEL AGREEMENT SINGLE MODE SINGLE—MODE FIBER OPTIC	RWK RWP RWR	REVERSE SWITCH INDICATION REVERSE SWITCH POINT POSTION REVERSE SWITCH CONTROL	ELEV ERP	ALLIANCE ELEVATION EFFECTIVE RADIATED POWER	CATH CBEL CBUR	CITY OF ATHERTON CITY OF BELMONT CITY OF BURLINGAME		FCC FED FHWA FRA	FEDERAL COMMUNICATIONS CONFEDERAL FEDERAL HIGHWAY ADMINISTR FEDERAL RAILROAD ADMINISTR	ATION RATION
FOC FOCN	FIBER OPTIC CABLE FIBER OPTIC COMMUNICATIONS NETWORK	SNMP	CABLE SIMPLE NETWORK MANAGEMENT	RWS	RELAY REVERSE SWITCH REQUEST	FAA FAT	FEDERAL AVIATION ADMINISTRATION FACTORY ACCEPTANCE TEST	CGIL CMIL CMPK	CITY OF GILROY CITY OF MILLBRAE CITY OF MENLO PARK		FTA HST	FEDERAL TRANSIT ADMINISTRA	ATION
FOPP FPS FSE	FIBER OPTIC PATCH PANEL FRAME PER SECOND FIBER SLACK ENCLOSURE	SONET SPDU	PROTOCOL SYNCHRONOUS OPTICAL NETWORK SWITCHED POWER DISTRIBUTION	SGHS SGK	SOUTHWARD SIGNAL REQUES SOUTHWARD SIGNAL CLEAR INDICATION	ST FCC FDP	FEDERAL COMMUNICATIONS COMMISSION FIBER DISTRIBUTION PANEL	CMV CPA CRWC	CITY OF MOUNTAIN VIEW CITY OF PALO ALTO CITY OF REDWOOD CITY		MTC MUTCD	METROPOLITAN TRANSPORTAT MANUAL ON UNIFORM TRAFFIC	
GBIC GBPS GRP	GIGABIT INTERFACE CONVERTER GIGABITS PER SECOND GLASS REINFORCED PLASTIC	T1C T1MUX	UNIT SINGLE DATA CHANNEL OF 1.544 Mbps A MULTIPLEXING DEVICE BY	TEK TJC TK	SIGNAL IN TIME INDICATION TUNED JOINT COUPLER OS TRACK INDICATION	FEC FM FO FPP	FORWARD ERROR CONNECTION FREQUENCY MODULATION FIBER OPTIC FIBER PATCH PANEL	CSB CSC CSJ CSM	CITY OF SAN BRUNO CITY OF SAN CARLOS CITY OF SAN JOSE CITY OF SAN MATEO		NEC NEMA	NATIONAL ELECTRICAL CODE NATIONAL ELECTRICAL MANUF ASSOCIATION	ACTURERS
GRS GUI	ROD GALVANIZED RIGID STEEL GRAPHICAL USER INTERFACE		WHICH A SINGLE T1 CHANNEL IS UTILIZED TO PROVIDE DSO CHANNELS	TOB	TON PER OPERATIVE BRAKE UPSTREAM ADJACENT CROSSING	FR GMSK	FRAME RELAY GAUSSIAN MINIMUM SHIFT KEYING	CSCL CSSF CSV	CITY OF SANTA CLARA CITY OF SOUTH SAN FRANCIS CITY OF SUNNYVALE	SCO	NFPA PCJPB, JPB PCMCIA	NATIONAL FIRE PROTECTION A PENINSULA CORRIDOR JOINT PERSONAL COMPUTER MEMOR	POWERS BOARD
IP Kbps	INTERNET PROTOCOL KILO BITS PER SECOND	TDM TTB UPS	TIME DIVISION MULTIPLEXING TELEPHONE TERMINAL BOARD 1000 MBPS SWITCH EXPANSION	WBC	SWITCH CONTROL RELAY BA	GPS CK ISDN	GLOBAL POSITIONING SYSTEM INTERGRATED SERVICES	CCSF COSM COSCL	CITY AND COUNTY OF SAN F COUNTY OF SAN MATEO COUNTY OF SANTA CLARA	RANCISCO	PG & E	INTERNATIONAL ASSOCIATION PACIFIC GAS AND ELECTRIC	N
LAN LCD	LOCAL AREA NETWORK LIQUID CRYSTAL DISPLAY	UP-LIN	PORTS K UNINTERRUPTIBLE POWER SUPPLY	XR	CROSSING CONTROL RELAY	JB	DIGITAL NETWORK JUNCTION BOX				SAMTRANS SCVTA, VTA	SAN MATEO COUNTY TRANSIT SANTA CLARA VALLEY TRANS AUTHORITY	
LDF LID	LOCAL DISTRIBUTION FRAME LOCAL INJECTION AND DETECTION (FUSION	UPSR UTP	UNIDIRECTIONAL PATH SWITCH RING UNSHIELDED TWISTED PAIR	YE	YELLOW SIGNAL LAMP	KO KVM	KEYBOARD OPERATOR KEYBOARD VIDEO MOUSE				SFMTA SMCTA	SAN FRANCISCO MUNICIPAL T AGENCY SAN MATEO COUNTY TRANSPO	ORTATION AUTHORITY
LPM Mbps	SPLICING) LOCAL PAGING MICROPHONE MEGA BITS PER SECOND	VCAT VLAN	VIRTUAL CONCATENATION VIRTUAL LOCAL AREA NETWORK			LAN M.P.XX	LOCAL AREA NETWORK RAILROAD MILE POST				SPTC, SP TASI	SOUTHERN PACIFIC TRANSPOR (NOW UPRR) TRANSIT AMERICA SERVICES,	
MDF MDPE	MAIN DISTRIBUTION FRAME MEDIUM DENSITY POLYETHYLENE (CABLE	VMS VPN	VISUAL MESSAGE SIGN VIRTUAL PRIVATE NETWORK			MAS MC MDF MOW	MULTIPLE ADDRESSING SCHEME MEDIA CONVERTER MAIN DISTRIBUTION FRAME MAINTENANCE OF WAY				TIA TJPA	TELECOMMUNICATIONS INDUST TRANSBAY JOINT POWERS AU	RY ASSOCIATION
MEF MIC MM	SHEATH) METRO ETHERNET FORUM MICROPHONE MULTI-MODE	WA WAN WAP	WORK AREA WIDE AREA NETWORK WIRELESS APPLICATION PROTOCOL			MSL MUX	MEAN SEA LEVEL MULTIPLEXER				UBC UL UPC UPRR, UP	UNIFORM BUILDING CODE UNDERWRITERS LABORATORIES UNIFORM PLUMBING CODE UNION PACIFIC RAILROAD	
MMFOC	MULTI-MODE FIBER OPTIC CABLE	WCM	WAYSIDE COMMUNICATIONS MANAGER			NIC NMS	NETWORK INTERFACE CARD NETWORK MANAGEMENT SYSTEM				•		
MPOE MS MSPP	MAIN POINT OF ENTRY MILLISECOND MULTI-SERVICE PROVISIONING					OCC	OPERATIONS CONTROL CENTER						
	PLATFORM					PTT	PUSH TO TALK						
NID NMS	NETWORK INTERFACE DEVICE NETWORK MANAGEMENT SYSTEM					RBS RF	RADIO BASE STATION RADIO FREQUENCY						
						PENINS	SULA CORRIDOR JOIN	T POW	ERS BOARD	ENGINI	EERING ST	ANDARD DRAWINGS	CADD FILE NAME: SD-1102 REV: EDITION:
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REV DATE BY CHK APP

<u>ARCHITECTURAL</u>		ELECTRICAL	<u>MECHANICAL</u>	
ACOUST ALUMIN AFT ABOVE BD BOARD BITUM BITUMIN BLKG BLOCKIN BL	IM SIT STATIC DISSIPATIVE TILE FINISHED FLOOR SIND SANITARY NAPKIN DISPENSER SING SANITARY NAPKIN RECEPTACLE SPEAKER SSK SERVICE SINK STOR STORAGE SUSP SUSPENDED TO TOLLET PAPER DISPENSER UN UNFINISHED UN UNFINISHED UN UNINISHED UN UN UN UNINISHED UN UN UN UNINISHED UN U	AC ALTERNATING CURRENT MS MOTOR AF AMPERE FUSE MS MOTOR AFR AMPERE FRAME MT MT EMPTY ACC AUTOMATIC GAIN CONTROL MTS MANUAL ANN ANNUCIATOR NC NORMAL ASS AMPERE SENSOR NF NO NORMAL ASS AMPERE SWITCH NMC NORMAL ASS AMPERE SWITCH NMC NORMAL ASSY ASSEMBLY AT AMPERE TRIP AT AUTOMATIC VEHICLE PCU POWER BCW BARE COPPER WRE PE PHOTOE BC BARE COPPER WRE PH PHASE BCW BARE COPPER WRE POS POSITIVE BAT BATTERY BR BREAKER CBKR CIRCUIT BREAKER RSS RIGID G CCO CHARGE COUPLED DEVICE RSS RIGID TO THE COMMON TO THE COM	ROUNDING BUSS—BAR STARTER CONDUIT LICY CLOSED LICY CLOSED AP ACC ACCESS DOOR ACU LICY CLOSED AP AF AIR COMPRESSOR AF RIFTER/AIR FOIL LICY OPEN APD APD AR PRESSURE DROP PADD AR ACCESS PAREL ANDIMING UNIT AP ACCESS PAREL CONDITIONING UNIT BDD BACK ROAT DAMPER ELECTRIC CELL BFV BUTTERFLY VALVE E CA COMPRESSED AIR COCOLING COIL CEG CEILING EXHAUST GRILLE COND SIGNAL YALVE BOD BOARD GEAR DEG BOARD GEAR BOBOARD GEAR DEG BOARD GEAR BOBOARD GEAR DEG BOARD GEAR BOBOARD GEAR DEG BOARD GEAR DEG CONDENSING UIT CV CHECK VALVE CONDENSING UIT CV CHECK VALVE CONDENSING UIT CV CHECK VALVE CONDENSING CONDEN	RH RADIANT HEATER RL REFRIGERANT LIQUID RS REFRIGERANT SUCTION RV ROOF VENTILATOR SA SUPPLY AIR SANT SANITARY SAR SOUND ATTENUATOR E SCAC SELF CONTAINED HEAT PUMP SOP SPLITTER DAMPER SF SUPPLY FAN SPWG STATIC PRESSURE WATER GAUGE SP SUMP PUMP T&P TEMPERATURE AND PRESSURE RELIEF VALVE TEMP TEMPERATURE TG TRANSFER GRILLE THR TOTAL HEAT REJECTION TSP TOTAL STATIC PRESSURE TURE TV TURNING VANE UC UNDER CUT UNIT HEATER VB VACUUM BREAKER VD VOLUME DAMPER VEL VELOCITY VTR VENT THROUGH ROOF WST WASTE WB WET BULB WCO WALL CLEAN OUT WEG WALL EXHAUST GRILLE WG WATER HAAMER ARRESTOR WL WATER HAAMER ARRESTOR WL WATER HAAMER ARRESTOR WL WALL LOUVER WSP WET STANDPIPE WP T AND WAY URE
		PENINSULA CORRIDOR JOINT PO APPROVED BY:	WERS BOARD ENGINEERING STA	ANDARD DRAWINGS CADD FILE NAME: SD-1103 REV: EDITION:
O10126 FIFTH EDITION REV DATE BY CHK APP DESCRIPTION	REV DATE BY CHK APP	Bin Zhang DIRECTOR, ENGINEERING	Caltrain ABBREY ARCHITECT	FIFTH SCALE: NO SCALE NO SCALE STANDARD DRAWING NO.: SD-1103

