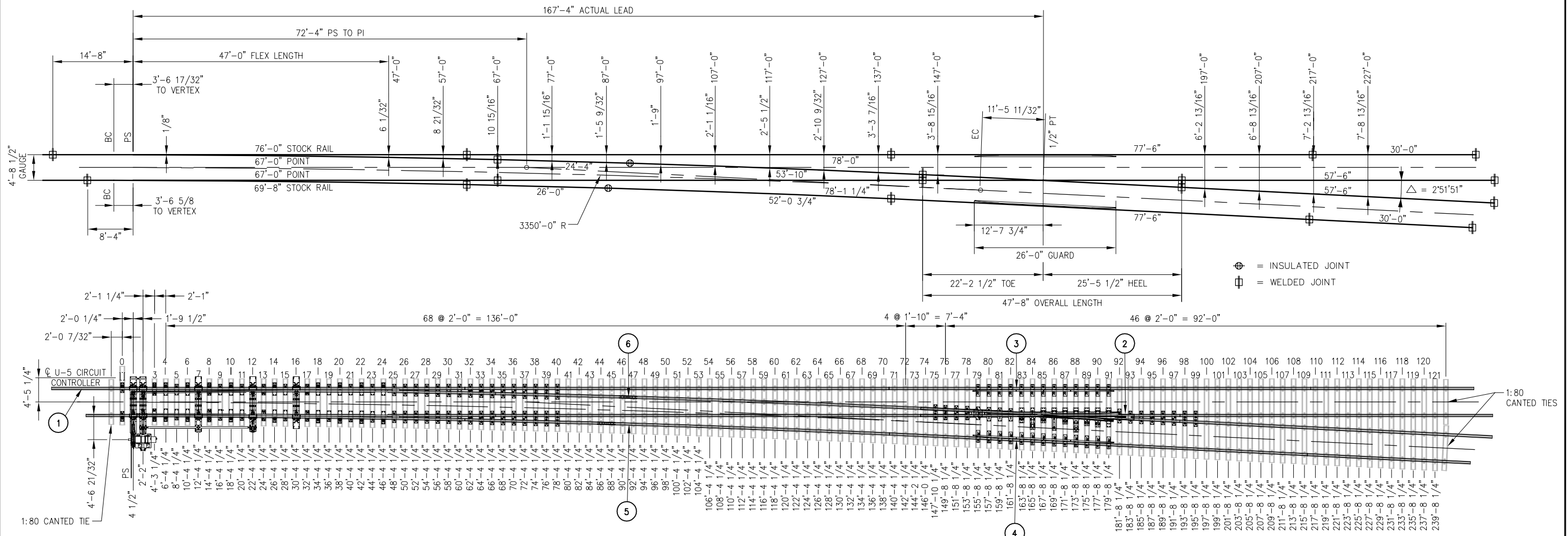


BILL OF MATERIAL				BILL OF MATERIAL			
ITEM	QTY	DESCRIPTION	DWG NO	ITEM	QTY	DESCRIPTION	DWG NO
1	1	SWITCH PACK, NO 20-136 LB RE MODIFIED TANGENTIAL, RH, HST	SD-2708	12	492	TIE SCREW, CONCRETE 7/8" DIA X 6" HEX HEAD	-
2	1	FROG PACK, NO 20-136 LB RE WSM, RH	SD-2722	13	492	WASHER FLAT 7/8" TYPE A NARROW 15/16" X 1 3/4" X 0.134"	-
3	1	GUARD RAIL ASSEMBLY BOLTLESS, 26'-0" LG, 136 LB RE RAISED 1", STRAIGHT	SD-2737	14	492	SPRING WASHER, DOUBLE COIL (FE6)	-
4	1	GUARD RAIL ASSEMBLY BOLTLESS, 26'-0" LG, 136 LB RE RAISED 1", RH	SD-2738	15	1	CONCRETE TIE SET, 0-121 + (3) 1:80 TIES, PLATE PADS, RH	-
5	1	INSULATED RAIL ASSEMBLY, 78'-0 3/4" C/W BONDED INSULATED JOINT	-	16	500	CLIP PANDROL E2055	-
6	1	INSULATED RAIL ASSEMBLY, 78'-2" C/W BONDED INSULATED JOINT	-	17	500	INSULATOR PANDROL FEATURES BASE HOLDOWN NYLON HD-10	-
7	2	DRILLED RAIL, 136 LB RE, 30'-0" LONG	-	18	8	CLIP PANDROL E2063	-
8	2	DRILLED RAIL, 136 LB RE, 57'-6" LONG	-	19	8	INSULATION, PANDROL NYLON 6790	-
9	2	DRILLED RAIL, 136 LB RE, 77'-6" LONG	-	20	254	TIE PAD PANDROL 6993SR	-
10	1	DRILLED RAIL, 136 LB RE, 78'-0" LONG	-	21	246	SHIM, TO REDUCE PLATE FLEXURE	-
11	1	DRILLED RAIL, 136 LB RE, 78'-1 1/4" LONG	-				



NOTES:

- ALL RAILS SHALL HAVE IDENTIFICATION COLOR CODE PAINTED ON WEB, CLEAR OF JOINT AREA
- RAIL LENGTHS ALLOW 1/8" GAP BETWEEN RAIL JOINTS FOR WELDING
- GUARD RAILS ARE RAISED 1" AND FORM A 1 7/8" FLANGWAY
- COORDINATE SWITCH MACHINE AND MACHINE PLATE (NIC) WITH CALTRAIN
- ALL TIE LENGTHS SHALL INCLUDE 1'-9" FROM TIE ENDS TO RAIL CENTERLINE, EXCEPT AS NOTED AND 1:80 CANTED TIES
- TIGHTEN TIE SCREW WITH DOUBLE COIL SPRING WASHER IN PLACE
- SCHWIHAG ROLLERS SHALL BE INSTALLED AND ADJUSTED IN THE FIELD

TURNOUT DATA:

FROG
 NO 20 Δ = 2°51'51"
 TOE LENGTH: 22'-2 1/2"
 HEEL LENGTH: 25'-5 1/2"
 TOTAL LENGTH: 47'-8"



SWITCH
 LENGTH OF POINT: 47'-0" / 67'-0"
 VERTEX DISTANCE: VARIES PER SIDE
 ENTRY ANGLE: 0°11'55"
 THICKNESS AT POINT: 1/8"
 THROW AT ROD # 1 : 4 3/4"


ACTUAL LEAD: 167'-4"
CLOSURE AREA
 CENTERLINE RADIUS: 3350'-0"
 DEGREE OF CURVE: 1°42'37"
DESIGN SPEEDS
 50 MPH PASSENGER @ 3" UNBALANCE
 40 MPH FREIGHT @ 2" UNBALANCE

REV	DATE	BY	CHK	APP	DESCRIPTION

PENINSULA CORRIDOR JOINT POWERS BOARD

APPROVED BY:



1250 San Carlos Avenue
San Carlos, CA 94070

STANDARD DRAWINGS

SPECIAL TRACKWORK
NO 20 TURNOUT
NO 20 RH TURNOUT WITH WSM FROG AND HST
SWITCH MACHINE ON TURNOUT SIDE

CADD FILE NO.: SD-2704
 REV 0 DATE 093011
 SPECIAL TRACKWORK
 STANDARD NO.: SD-2704