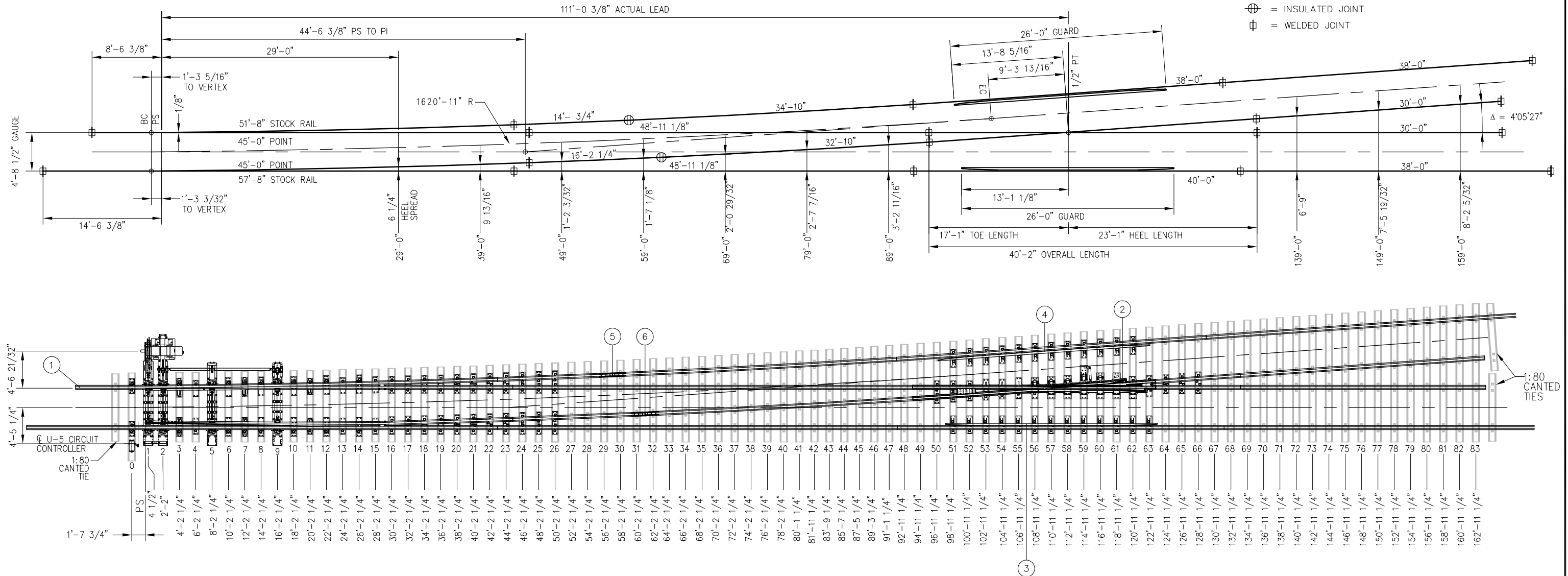


BILL OF MATERIAL				BILL OF MATERIAL			
ITEM	QTY	DESCRIPTION	DWG NO	ITEM	QTY	DESCRIPTION	DWG NO
1	1	SWITCH PACK, NO 14-136 LB RE MODIFIED TANGENTIAL, LH, HST	SD-2607	11	352	TIE SCREW, CONCRETE 7/8" DIA X 6" HEX HEAD	-
2	1	FROG PACK, NO 14-136 LB RE WSM, LH	SD-2623	12	352	WASHER FLAT 7/8" TYPE A NARROW 15/16" X 1 3/4" X 0.134"	-
3	1	GUARD RAIL ASSEMBLY BOLTLESS, 26'-0" LONG, 136 LB RE RAISED 1", STRAIGHT	SD-2301	13	352	SPRING WASHER, DOUBLE COIL (Fe6)	-
4	1	GUARD RAIL ASSEMBLY BOLTLESS, 26'-0" LONG, 136 LB RE RAISED 1", LH	SD-2635	14	1	CONCRETE TIE SET, 0-83 + (3) 1:80 TIES, PLATE PADS, PIM INSERTS, LH	SD-2618
5	1	INSULATED RAIL ASSEMBLY, 48'-10 3/4" C/W BONDED INSULATED JOINT	-	15	342	CLIP PANDROL E2055	-
6	1	INSULATED RAIL ASSEMBLY, 49'-0 1/4" C/W BONDED INSULATED JOINT	-	16	342	INSULATOR PANDROL FEATURES BASE HOLDOWN NYLON HD-10	-
7	2	DRILLED RAIL, 136 LB RE, 30'-0" LONG	-	17	8	CLIP PANDROL E2063	-
8	3	DRILLED RAIL, 136 LB RE, 38'-0" LONG	-	18	8	INSULATION, PANDROL NYLON 6790	-
9	1	DRILLED RAIL, 136 LB RE, 40'-0" LONG	-	19	175	TIE PAD PANDROL 6993SR	-
10	2	DRILLED RAIL, 136 LB RE, 48'-11 1/8" LONG	-	20	176	SHIM, TO REDUCE PLATE FLEXURE	-



NOTES:

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

TURNOUT DATA

FROG		ACTUAL LEAD:	111'-3/8"
ANGLE	4°05'27"	CLOSURE AREA	
TOE LENGTH:	17'-1"	CENTERLINE RADIUS:	1620'-11"
HEEL LENGTH:	23'-1"	DEGREE OF CURVE:	3'32'07"
TOTAL LENGTH:	40'-2"		

SWITCH

LENGTH OF POINTS:	45'-0"
VERTEX DISTANCE:	1'-3 7/32"
ENTRY ANGLE:	0°29'50"
THICKNESS AT POINT:	1/8"
THROW AT ROD #1:	4 3/4"

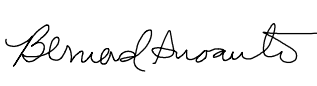

DESIGN SPEEDS


35 MPH PASSENGER @ 3" UNBALANCE
25 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		CADD FILE NO.:
SPECIAL TRACKWORK NO 14 TURNOUT NO 14 LH TURNOUT WITH WSM FROG WITH HST SWITCH MACHINE ON TURNOUT SIDE		SD-2603
REV	DATE	
0	093011	
STANDARD NO.:		SD-2603