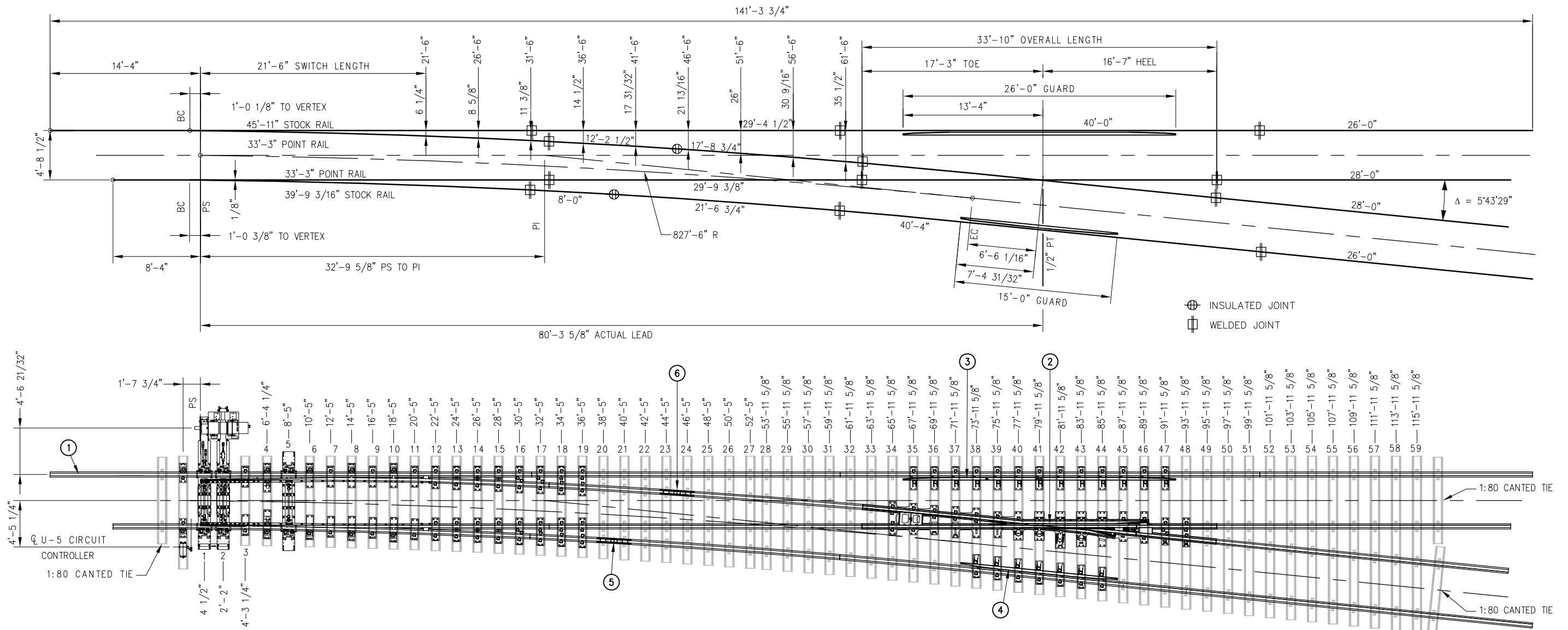


BILL OF MATERIAL				BILL OF MATERIAL			
ITEM	QTY	DESCRIPTION	DWG NO	ITEM	QTY	DESCRIPTION	DWG NO
1	1	SWITCH PACK, NO 10-136 LB RE MODIFIED TANGENTIAL, RH, HST	SD-2506	12	1	DRILLED RAIL, 136 LB RE, 40'-4" LONG	-
2	1	FROG PACK, NO 10-136 LB RE WSM, RH	SD-2523	13	276	TIE SCREW, CONCRETE 7/8" DIAMETER x 6" HEX HEAD	-
3	1	GUARD RAIL ASSEMBLY BOLTLESS, 26'-0" LG, 136 LB RE RAISED 1", STRAIGHT	SD-2301	14	276	WASHER FLAT 7/8" TYPE A NARROW 15/16" x 1 3/4" x 0.134"	-
4	1	GUARD RAIL ASSEMBLY BOLTLESS, 15'-0" LG, 136 LB RE RAISED 1", RH	SD-2534	15	276	SPRING WASHER, DOUBLE COIL (Fe6)	-
5	1	INSULATED RAIL ASSEMBLY, 29'-6 3/4" C/W BONDED INSULATED JOINT	-	16	1	CONCRETE TIE SET, 0-59 + (3) 1:80 TIES, PLATE PADS, RH	-
6	1	INSULATED RAIL ASSEMBLY, 29'-11 1/4" C/W BONDED INSULATED JOINT	-	17	224	CLIP PANDROL E2055	-
7	2	DRILLED RAIL, 136 LB RE, 26'-0" LONG	-	18	224	INSULATOR PANDROL FEATURES BASE HOLDOWN NYLON HD-10	-
8	2	DRILLED RAIL, 136 LB RE, 28'-0" LONG	-	19	8	CLIP PANDROL E2063	-
9	1	DRILLED RAIL, 136 LB RE, 29'-4 1/2" LONG	-	20	8	INSULATION, PANDROL NYLON 6790	-
10	1	DRILLED RAIL, 136 LB RE, 29'-9 3/8" LONG	-	21	116	TIE PAD PANDROL 6993SR	-
11	1	DRILLED RAIL, 136 LB RE, 40'-0" LONG	-	22	138	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

**TURNOUT DATA:**

<b>FROG</b>		<b>SWITCH</b>	
#10 FROG ANGLE:	5'43'29"	LENGTH OF POINTS:	21'-6" / 33'-3"
TOE LENGTH:	17'-3"	ENTRY ANGLE:	0'37'11"
HEEL LENGTH:	16'-7"	VERTEX DISTANCE:	VARIABLE PER SIDE
TOTAL LENGTH:	33'-10"	THICKNESS AT POINT:	1/8"
		CENTERLINE RADIUS:	827'-6"
		THROW AT ROD #1:	4 3/4"
		<b>ACTUAL LEAD:</b>	80'-3 5/8"
		<b>CLOSURE AREA</b>	
		<b>CENTERLINE RADIUS:</b>	827'-6"
		<b>DEGREE OF CURVE:</b>	6'55'41"
		<b>DESIGN SPEEDS:</b>	
		25 MPH PASSENGER @ 3" UNBALANCE	
		15 MPH FREIGHT @ 2" UNBALANCE	

REV	DATE	BY	CHK	APP	DESCRIPTION

<b>PENINSULA CORRIDOR JOINT POWERS BOARD</b>		<b>STANDARD DRAWINGS</b>		CADD FILE NO: SD-2502
APPROVED BY:				REV 0
 				DATE 093011
ENGINEERING MANAGER		DEPUTY DIRECTOR OF ENGINEERING		SPECIAL TRACKWORK
		<b>SPECIAL TRACKWORK</b> <b>NO 10 TURNOUT</b> <b>NO 10 RH TURNOUT WITH WSM FROG AND HST</b> <b>SWITCH MACHINE ON MAINLINE SIDE</b>		STANDARD NO.: SD-2502