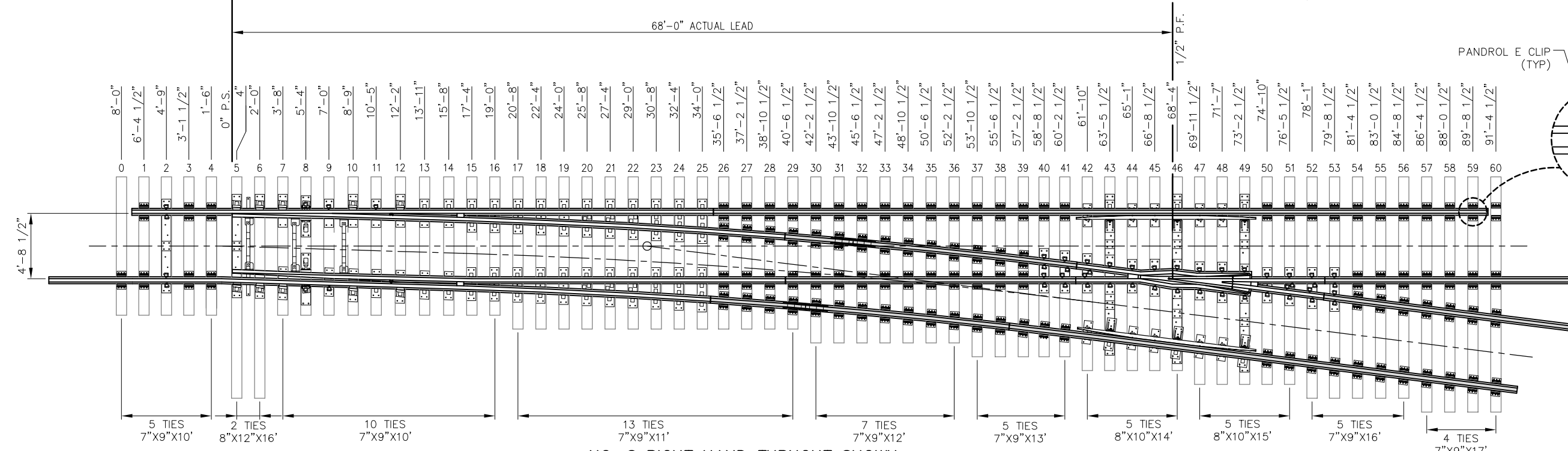


LEGEND
 ● BONDED INSULATED JOINT (3/16" GAP)
 ⊕ FIELD WELDED JOINT (1/8" GAP)

TURNOUT GEOMETRY



**NO. 8 RIGHT HAND TURNOUT SHOWN
(LEFT HAND OPPOSITE)**

NOTES:

- POINTS AND STOCK RAILS ARE UNDERCUT. SEE DRAWING SD-2402 TO SD-2404 FOR UNDERCUT DETAILS.
- INSULATED JOINTS SHALL BE PLACED AS SHOWN. INSULATED JOINTS MAY BE RELOCATED UP TO 12 INCHES TO PROVIDE A SUSPENDED JOINT. STAGGER OF INSULATED JOINTS SHALL BE NO MORE THAN 4'-6".
- FULLY BOX ANCHOR FOR 195 FEET IN FRONT OF AND BEHIND THE TURNOUT.
- RAIL LENGTHS ALLOW 1/8" GAP BETWEEN RAIL JOINTS FOR FIELD ASSEMBLY. ALL JOINTS SHALL BE WELDED. NO BOLTED JOINTS ARE ALLOWED WITHIN TURNOUT LIMITS.
- GUARD RAILS FORM A 1 7/8" FLANGEWAY, AND ARE RAISED 1".
- TURNOUT SHOWN IS FOR TIMBER TIES, FASTENED WITH PANDROL E CLIPS.
- THIS DRAWING IS A REFERENCE FOR DESIGN AND LAYOUT. SHOP DRAWINGS FOR ALL COMPONENTS SHALL BE SUBMITTED FOR APPROVAL BY CALTRAIN ENGINEERING PRIOR TO TURNOUT FABRICATION.

BILL OF MATERIAL*		
ITEM	QTY	DESCRIPTION
1	1	16'-6"/40'-0" SWITCH (42'-0" STRAIGHT STOCK RAIL & 48'-0" CURVED STOCK RAIL)
2	1	#8 - RBM 18-0" FROG
3	1	BOLTLESS 1"-RAISED GUARDRAIL, STRAIGHT, 15'-0"
4	1	BOLTLESS 1"-RAISED GUARDRAIL, RH, 15'-0"
5	1	BONDED INSULATED RAIL, LH, 21'-2 5/16" (5'-0"/16'-2 1/8")
6	1	BONDED INSULATED RAIL, RH, 21'-8 3/16" (6'-9"/14'-11")
7	2	DRILLED RAIL, 136RE, 18'-0" LONG
8	1	DRILLED RAIL, 136RE, 20'-11 3/4" LONG
9	1	DRILLED RAIL, 136RE, 37'-0" LONG
10	1	DRILLED RAIL, 136RE, 56'-0" LONG

NO. 8 TURNOUT SPECIFICATIONS	
FROG NUMBER	8
FROG ANGLE	7'-09"-10"
FROG LENGTH	18'-0"
LENGTH OF SWITCH POINT	16'-6"
THROW OF SWITCH AT # 1 ROD	4 3/4"
ENTRY ANGLE	1'-44'-11"
VERTEX DISTANCE	8 1/4" @ CENTERLINE
ACTUAL LEAD	68'-0"
CENTERLINE RADIUS	487'-3 3/8"
DEGREE OF CURVE	11'-46'-44"
P.S. TO CENTER OF LAST LONG TIE	91'-4 1/2"

* BILL OF MATERIAL SHOWN DOES NOT INCLUDE TIES, PLATES, RODS, AND OTM.

REV	DATE	BY	CHK	APP	DESCRIPTION

PENINSULA CORRIDOR JOINT POWERS BOARD

APPROVED BY:




ENGINEERING MANAGER DEPUTY DIRECTOR OF ENGINEERING



1250 San Carlos Avenue
San Carlos, CA 94070

STANDARD DRAWINGS

SPECIAL TRACKWORK
NO. 8 TURNOUT
NO. 8 TURNOUT WITH RBM FROG
TIMBER TIES

CADD FILE NO.: SD-2401
 REV 0 DATE 093011
 SPECIAL TRACKWORK
 STANDARD NO.: SD-2401