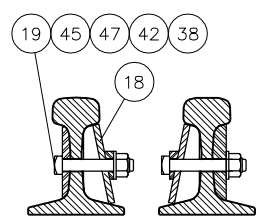


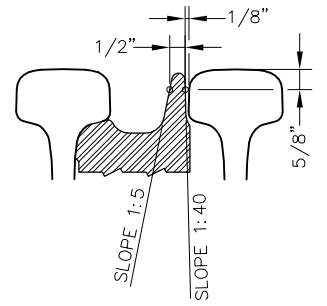
HORN KEEPER DETAIL

A SECTION
SCALE: NTS



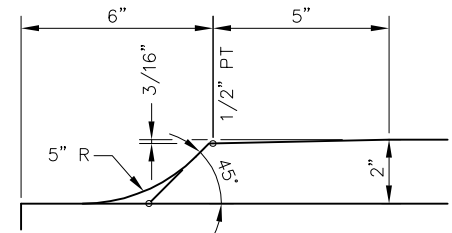
FOOT GUARD DETAIL

B SECTION
SCALE: NTS



SPRING BOX DETAIL

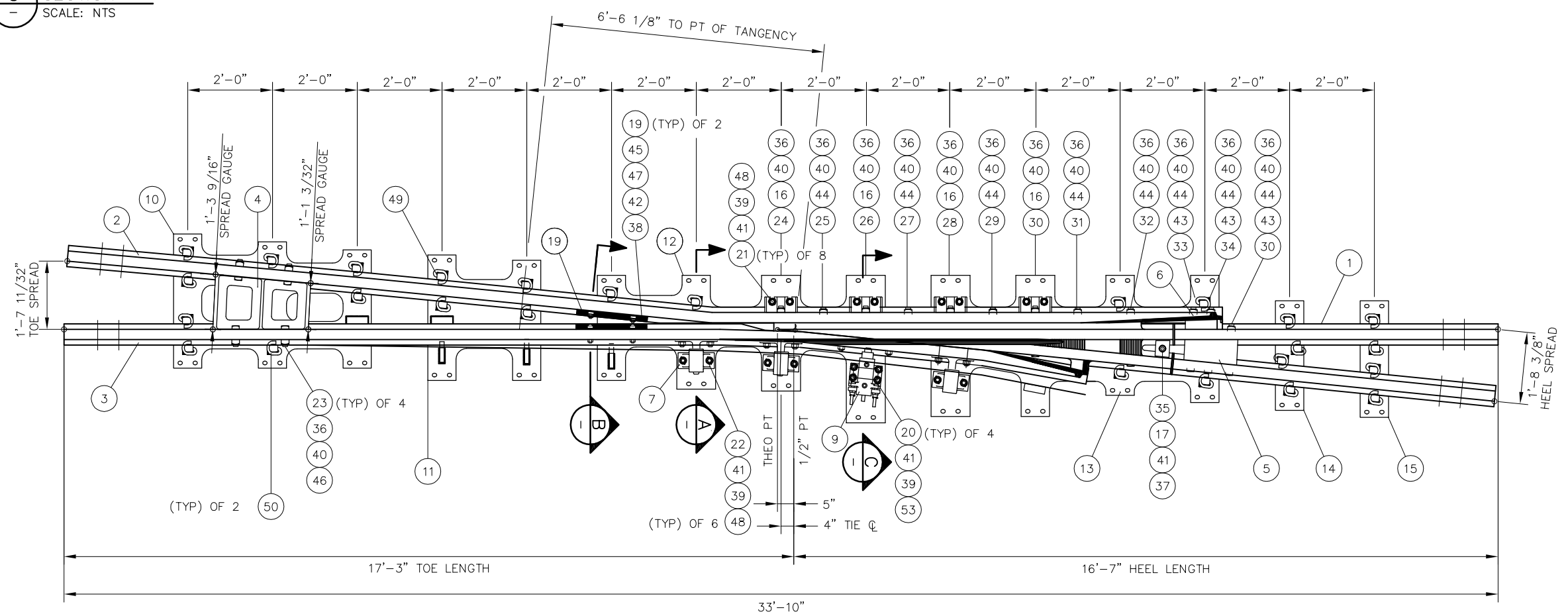
C SECTION
SCALE: NTS




POINT DETAIL

1 DETAIL
SCALE: NTS

BILL OF MATERIAL				BILL OF MATERIAL			
ITEM	QTY	DESCRIPTION	DWG NO	ITEM	QTY	DESCRIPTION	DWG NO
1	1	NO 10-136 LB RE SPRING FROG, RH POINT ASSEMBLY	-	26	1	BOLT, 1 3/8" DIA x 9" SQ HEAD, GR 8	-
2	1	SPRING WING RAIL, NO 10-136 LB RE, RIGID, RH	-	27	1	BOLT, 1 3/8" DIA x 9 1/2" SQ HEAD, GR 8	-
3	1	SPRING WING RAIL, NO 10-136 LB RE, RH, C/W HARDWARE	-	28	1	BOLT, 1 3/8" DIA x 11" SQ HEAD, GR 8	-
4	1	TOE BLOCK (SFTB136RE-10A)	-	29	1	BOLT, 1 3/8" DIA x 12" SQ HEAD, GR 8	-
5	1	HEEL BLOCK (SFHB136RE-10A)	-	30	2	BOLT, 1 3/8" DIA x 13 1/2" SQ HEAD, GR 8	-
6	1	FLARE FILLER BLOCK (FB136WHM-LCR)	-	31	1	BOLT, 1 3/8" DIA x 14 1/2" SQ HEAD, GR 8	-
7	3	HORN KEEPER, REVERSIBLE	-	32	1	BOLT, 1 3/8" DIA x 16" SQ HEAD, GR 8	-
8	3	HORN KEEPER WEAR PLATE, REVERSIBLE	-	33	1	BOLT, 1 3/8" DIA x 17 1/2" SQ HEAD, GR 8	-
9	1	SPRING BOX ASSEMBLY	-	34	1	BOLT, 1 3/8" DIA x 18" SQ HEAD, GR 8	-
10	1	FROG BASE PLATE (10-136-34RC)	SD-2525	35	1	PLOW BOLT, 1" DIA x 4" ROUND HD, SQ NECK, GR 8	-
11	1	FROG BASE PLATE (10-136-37RC)	SD-2525	36	16	NUT, SECURITY LOCK, 1 3/8" DIA HEAVY HEX	-
12	1	FROG BASE PLATE (10-136-39RC)	SD-2527	37	1	NUT, SECURITY LOCK, 1" DIA HEAVY HEX	-
13	1	FROG BASE PLATE (10-136-43RC)	SD-2529	38	2	NUT, SECURITY LOCK, 3/4" DIA HEAVY HEX	-
14	1	FROG PLATE (10-136-47RC)	SD-2531	39	18	NUT, SLOTTED, 1" DIA HEAVY HEX	-
15	1	FROG PLATE (10-136-48RC)	SD-2531	40	16	WASHER, HARDENED, 1 3/8" DIA x 5/32" THICK	-
16	4	PLATE CLIP, 136 LB RE	-	41	11	WASHER, HARDENED, 1" DIA x 5/32" THICK	-
17	1	HOLD-DOWN CLIP (10A1)	-	42	2	WASHER, HARDENED, 3/4" DIA x 3/16" THICK	-
18	1	FOOT GUARD, 136 LB RE x 1'-8" LONG	-	43	3	WASHER, HEADLOCK	-
19	2	BOLT, 3/4" DIA x 4 1/2" SQ HEAD, GR 8	-	44	8	WASHER, TAIL	-
20	4	BOLT, 1" DIA x 3", THIN SQ HEAD, DRILLED 2 1/2", GR 5	-	45	2	WASHER, TAIL, 1/2" x 3" FOR 3/4" BOLT	-
21	8	BOLT, 1" DIA x 3", THIN SQ HEAD, DRILLED 2 3/32", GR 5	-	46	4	WASHER, TAIL	-
22	6	BOLT, 1" DIA x 3 1/2", THIN SQ HEAD, DRILLED 2 11/16", GR 5	-	47	2	WASHER, BEVELED, FOR 3/4" BOLT	-
23	4	BOLT, 1 3/8" DIA x 5" SQ HEAD, GR 8	-	48	18	COTTER PIN, 1/4" DIA x 2" LONG	-
24	1	BOLT, 1 3/8" DIA x 6 1/2" SQ HEAD, GR 8	-	49	26	CLIP, PANDROL E2055	-
25	1	BOLT, 1 3/8" DIA x 7 1/2" SQ HEAD, GR 8	-	50	3	SHOULDER, PANDROL, FORGED TONGUELESS, TYPE 1	-



- NOTES:**
1. RETARDER CLOSING TIME RANGES FROM 1 TO 3 MINUTES
 2. SPRING BOX LOAD IS 300 LBS/IN
 3. SPRING WING SHALL BE THROWN TO A 1 7/8" FLANGEWAY AT THE 3/4" POINT TO DETERMINE THE SPRING WING THROWN POSITION
 4. RAIL END DRILLING SHALL BE @ 9" AND 15 1/2", 3 3/32" ABOVE RAIL BASE, 1 5/16" DIA AT ALL 4 RAIL ENDS. ALL RAIL HOLE EDGES SHALL BE ROUNDED WITH A 1/8" R
 5. RETARDER BRACKET SHALL BE WELDED ADJACENT TO SPRING BOX ASSEMBLY
 6. FROG SHALL BE CONSTRUCTED TO TOLERANCES GIVEN ON LATEST AREMA PLAN 1010, PERMISSIBLE VARIATIONS IN COMPLETED FROGS
 7. INSERT SHALL BE EXPLOSIVE DEPTH HARDENED TO 352 BRINELL PER AREMA
 8. NAME TAG SHALL BE AFFIXED TO RIGID WING RAIL NEAR 1/2" PT WITH INFORMATION SHOWN
 9. CALTRAIN WILL CONSIDER A TAPERED HEEL SPRING OF SAME ALIGNMENT AND DIMENSIONS TO REPLACE WSM

					PENINSULA CORRIDOR JOINT POWERS BOARD					STANDARD DRAWINGS		CADD FILE NO: SD-2523			
					APPROVED BY: <i>Bernard Anzures</i> <i>Steph Chen</i>					SPECIAL TRACKWORK NO 10 TURNOUT		REV 0	DATE 093011	SPECIAL TRACKWORK	
					ENGINEERING MANAGER DEPUTY DIRECTOR OF ENGINEERING							STANDARD NO.: SD-2523			
					1250 San Carlos Avenue San Carlos, CA 94070					WSM FROG RH AND FROG PACK					
REV	DATE	BY	CHK	APP	DESCRIPTION	REV	DATE	BY	CHK	APP	DESCRIPTION				