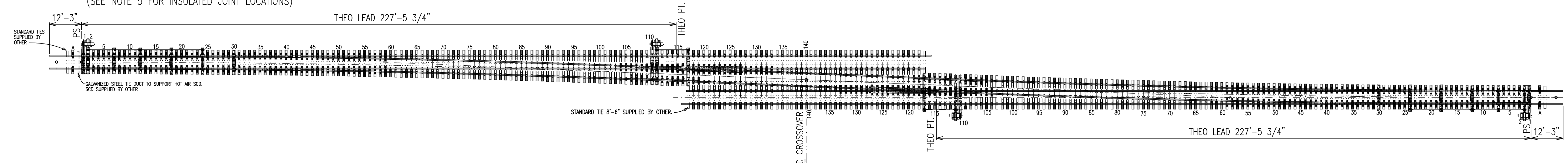
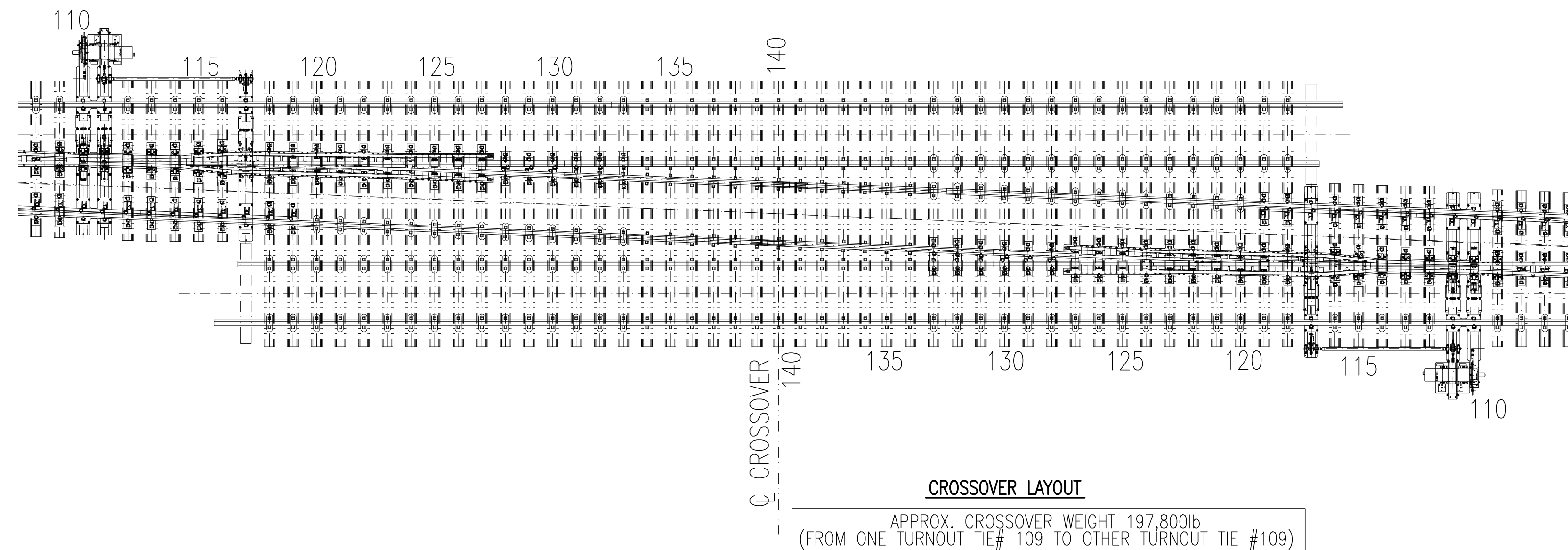


☐ WELDED JOINT (0" GAP) DRILL 9 1/2" X 6", 1 5/16" DIA, 3 3/32" A.B.
 ⊕ INSULATED JOINT (3/16" GAP) DRILL 3 1/2" X 6" X 6", 1 5/16" DIA, 3 3/32" A.B.
 (SEE NOTE 5 FOR INSULATED JOINT LOCATIONS)

CROSSOVER GEOMETRY



CROSSOVER LAYOUT



CROSSOVER LAYOUT

APPROX. CROSSOVER WEIGHT 197,800lb
(FROM ONE TURNOUT TIE # 109 TO OTHER TURNOUT TIE # 109)

NOTES

- RAIL: SWITCH POINTS AND MPF LONG POINT AND PARTIAL WING RAILS USE 136 THICK WEB RAIL, ALL OTHERS USE 136RE RAIL.
- ALL RAILS TO BE WITH 1:40 CANT FOR WHEEL CONTACTING SURFACE EXCEPT TRANSITION AREA.
- ALL RAILS SHALL BE END DRILLED UNLESS OTHERWISE SPECIFIED.
- RUBBER PADS UNDER PLATES SHALL BE 9mm THICK. RAIL SEAT PADS ON CONCRETE TO BE 3/8" (10mm) THICK, EVA OR APPROVED EQUAL.
- FINAL INSULATED JOINT LOCATIONS TO BE DETERMINED ACCORDING TO METROLINX TURNOUT INSULATED JOINT CRITERIA.
- HD-10 RAIL INSULATORS ARE TO BE USED AT ALL LOCATIONS EXCEPT HST AND INSULATED JOINT LOCATIONS;
PANDROL INSULATOR NYLON 6790 TO BE USED AT INSULATED JOINTS (8 PIECES).
- PANDROL E2063 CLIPS ARE TO BE USED AT INSULATED JOINT LOCATIONS. USE PANDROL E2055 FOR OTHERS.
- SCHWIBAG ROLLERS TO BE INSTALLED AND ADJUSTED IN THE FIELD.
- USE AN INDELIBLE PAINT MARKER TO MARK ALL TIE CENTER LINE LOCATIONS ON THE FIELD SIDE OF RAIL BASES.
- ALL MATERIAL MAY BE INSPECTED BY CUSTOMER PERSONNEL PRIOR TO SHIPPING.
ALL RAIL JOINTS SHALL BE MATCH MARKED.
- TEMPORARY JOINT KITS TO BE SUPPLIED FOR ALL WELDED JOINTS.
- SWITCH MACHINES SUPPLIED BY OTHER.
- SNOW CLEARING DEVICES (SCD) FOR SWITCH POINTS AND MPF TO BE DETAILED AND SUPPLIED BY OTHERS.
- TURNOUT TO BE PRE-PLATED.

METRIC CONVERSION: 1 inch=25.4mm, 1 foot=304.8mm

1	22/08/30	NOTE 13 REVISED TO INCLUDE SNOW CLEARING DEVICES FOR MPF
0	20/12/09	INITIAL VERSION ESTABLISHED
No.	Date	Revision
		By Approved

Standard NO. 24 - 136RE MPF TURNOUT RH, CONCRETE TIE, HST
FOR CROSSOVER WITH 13'-6" TC
DESIGN DIVERGING SPEED 70 MPH
(INITIAL OPERATING SPEED 60 MPH)

Drawn JB Checked JE Approved *Jay Pittman*
Chief Engineer



METROLINX

Date DEC. 9, 2020 Plan Number GTS-2123 Rev 1