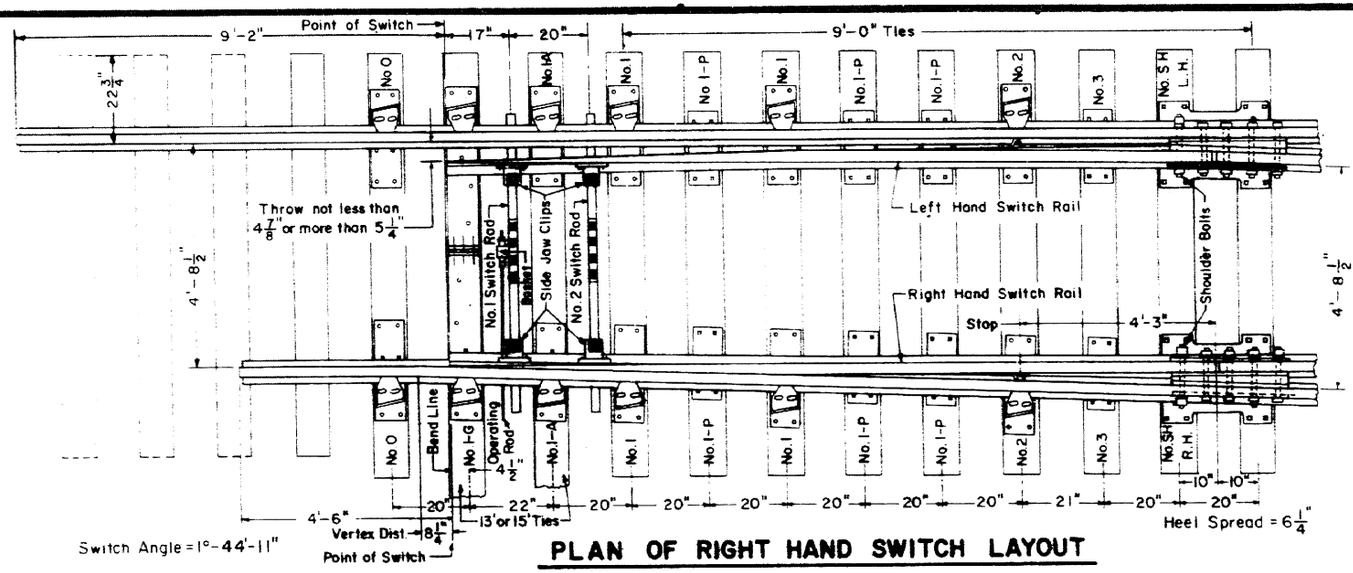
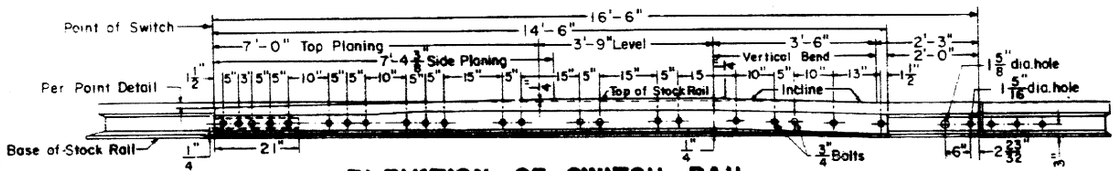


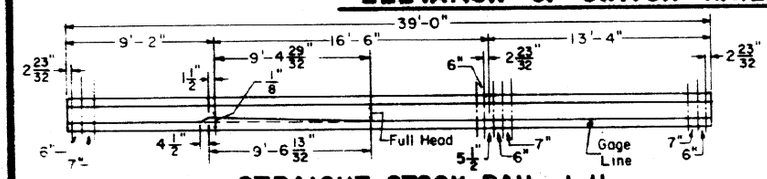
PLAN OF RIGHT HAND SWITCH LAYOUT



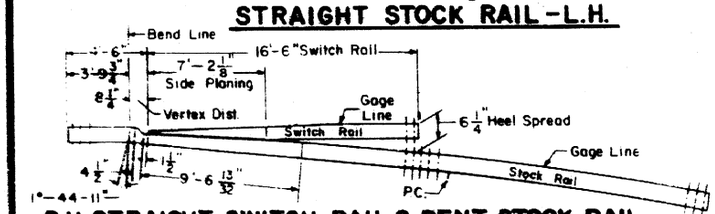
ELEVATION OF SWITCH RAIL

○ = 1" Bolts Except As Shown

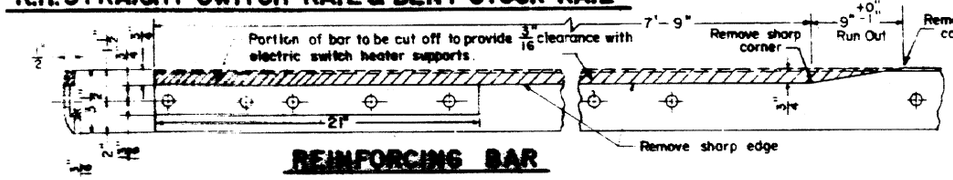
● = 3/4" Rivets



STRAIGHT STOCK RAIL - L.H.



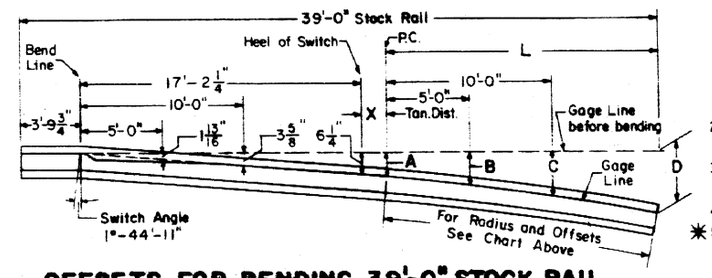
R.H. STRAIGHT SWITCH RAIL & BENT STOCK RAIL



REINFORCING BAR

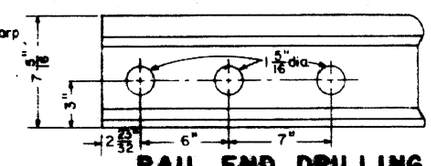
OFFSETS FOR CURVED PORTION OF STOCK RAIL

TURNOUT NO.	℄ RADIUS	X	L	A	B	C	D
8	462.73'	17 7/8"	16'-6 1/8"	6 25/32"	8 15/16"	11 23/32"	16 11/32"
10	725.15'	18"	16'-6"	6 25/32"	8 13/16"	11 1/4"	15 1/16"

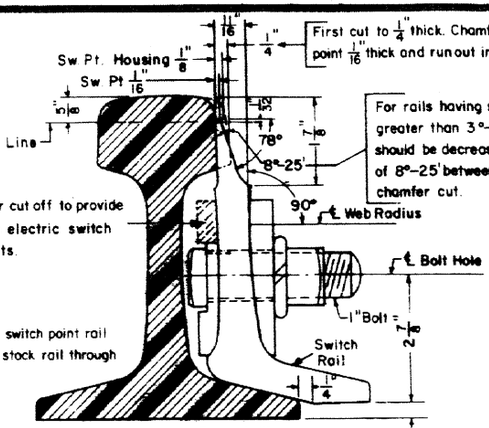


OFFSETS FOR BENDING 39'-0" STOCK RAIL

(R.H. As Shown)



RAIL END DRILLING



SWITCH POINT DETAIL

(Switch Point Housed 1/8")

BILL OF MATERIAL

1 - Pair 16'-6" Straight Switch Points, complete with reinforcing bars, rod clips and rail stops attached.

✱ 1 - 39'-0" Straight Stock Rail, L.H. Housed 1/8"

✱ 1 - 39'-0" Bent Stock Rail, R.H. Housed 1/8"

2 - Horizontal Switch Rods, 1 with Basket. See C.R. Plan 73520-( ).

2 - Heel Block Assemblies, complete. See C.R. Plan 73515-( ).

1 - No. 1-G Insulated Gage Plate
2 - No. 0 Adjustable Brace Slide Plate
2 - No. 1-A " " " "
4 - No. 1 " " " "
2 - No. 2 " " " "
6 - No. 1-P Shoulder Slide Plate
2 - No. 3 " " "
2 - No. SH Heel Plate, 1 - R.H. and 1 - L.H.
— See C.R. Plan 73519-( ).

12 - Adjustable Rail Braces, Type A, complete with double nuts, double washers and bolts. See C.R. Plan 73515-( ).

2 - Switch Stops. See C.R. Plan 73515-( ).

4 - Side Jaw Clips for horizontal switch rods. See C.R. Plan 73520-( ).

NOTES

1 - This plan is for use with A.R.E.A. recommended standards for 140 lb. R.E. rail.

2 - Workmanship and, materials, including beveling and hardening rail ends, shall be as per current A.R.E.A. Specifications.

3 - All bolts shall be dipped immediately before applying (so that all threads are thoroughly coated) in NO-OX-ID "GG" grease manufactured by Dearborn Chemical Co.

4 - Non-Insulated Switch to be furnished with switch rods and gage plate solid.

✱ 5 - When ordering a Left Hand Switch - these items shall be opposite hand.

CONRAIL [redacted] **73168 - A**

STANDARD

16'-6" STRAIGHT SPLIT SWITCH

INSULATED and HOUSED

FOR 140 LB. R.E. RAIL

SEPTEMBER, 1976

R.W. Smith
Chief Engineer - Maintenance of Way

Chief Engineering Officer