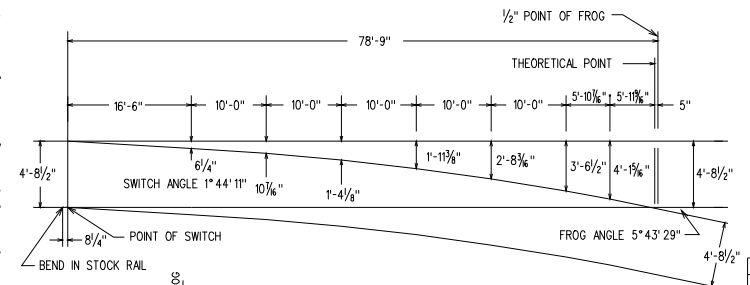


• FOR EACH 1" OVER OR UNDER 14'-0" TRACK CENTERS ADD OR SUBTRACT 9/16" TO DISTANCE BETWEEN 1/2" POINT OF FROGS IN CROSSOVER.

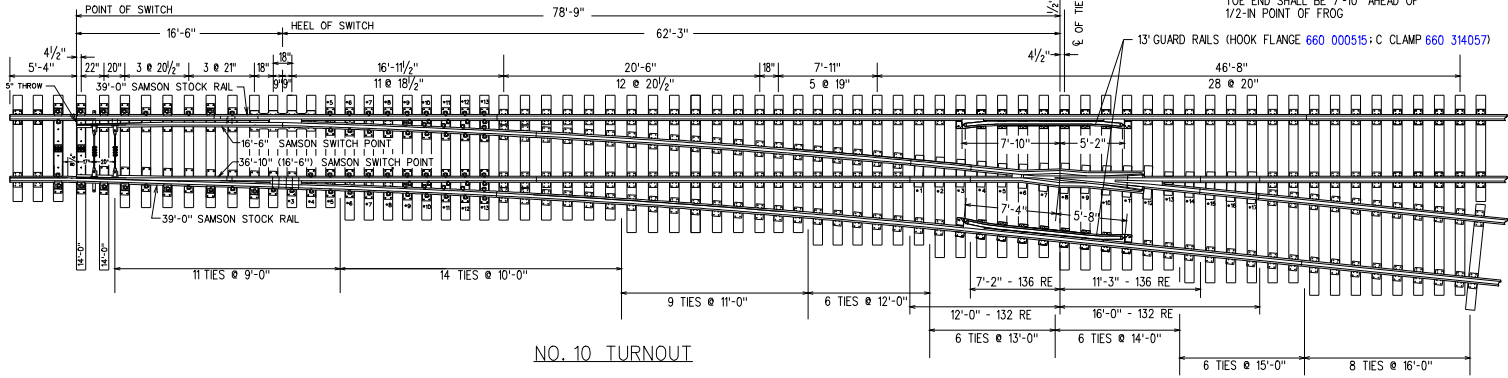
CROSSOVER



OFFSET DIAGRAM

BILL OF SWITCH TIES-7" X 9" TURNOUT	
NO. OF PCS.	LENGTH
11	9'-0"
14	10'-0"
9	11'-0"
6	12'-0"
6	13'-0"
8	14'-0"
6	15'-0"
8	16'-0"
TOTAL NO. PCS. 68	
TOTAL LIN. FT. 818	
TOTAL F.B.M. 4,294.5	

CROSSOVER DATA FOR TANGENT TRACK	
TRACK CENTERS	DISTANCE BETWEEN 1/2" POINTS
13'-0"	34'-8 1/4"
14'-0"	44'-7 1/4"
15'-0"	54'-7 1/2"
16'-0"	64'-7 3/4"
17'-0"	74'-6 3/4"
18'-0"	84'-6"
19'-0"	94'-6 1/4"
20'-0"	104'-5 1/4"



NO. 10 TURNOUT

SEE PLAN 1-4 FOR BOLTS USED IN TRACK CONSTRUCTION
 PLAN 3-19 FOR SWITCH LUGS (CLIPS)
 PLAN 3-20 FOR SWITCH RODS
 PLAN 3-21 FOR SWITCH PLATE DETAILS
 PLAN 3-22 FOR ADJUSTABLE BRACE PLATE DETAILS
 PLAN 3-32 TO 3-35 FOR SWITCH STANDS
 PLAN 3-7 FOR 16'-6" WELDED SWITCH
 PLAN 4-14 FOR RAIL BOUND MANGANESE FROGS
 PLAN 4-19A FOR FROG PLATE DETAILS
 PLAN 4-21 TO 4-24B FOR GUARD RAIL DETAILS

NORFOLK SOUTHERN RAILWAY COMPANY

NO. 10 132/136RE TURNOUT

WITH
 16'-6" SWITCH AND
 RAIL BOUND MANGANESE FROG
 SEPTEMBER 1996
 Atlanta, Georgia

DATE	REVISION
11-9-96	ADD GUARD RAIL INFORMATION