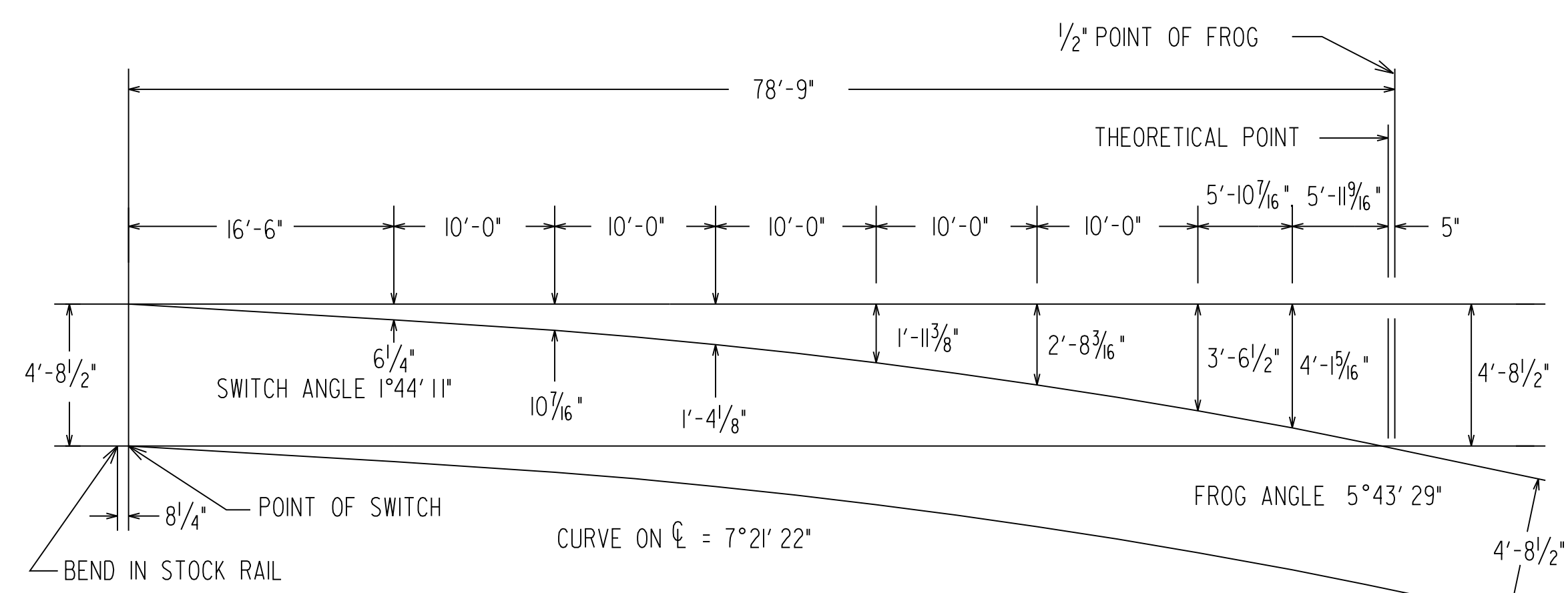


• FOR EACH 1" OVER OR UNDER 14'-0" TRACK CENTERS ADD OR SUBTRACT 9 3/32" * TO DISTANCE BETWEEN 1/2" POINT OF FROGS IN CROSSOVER.

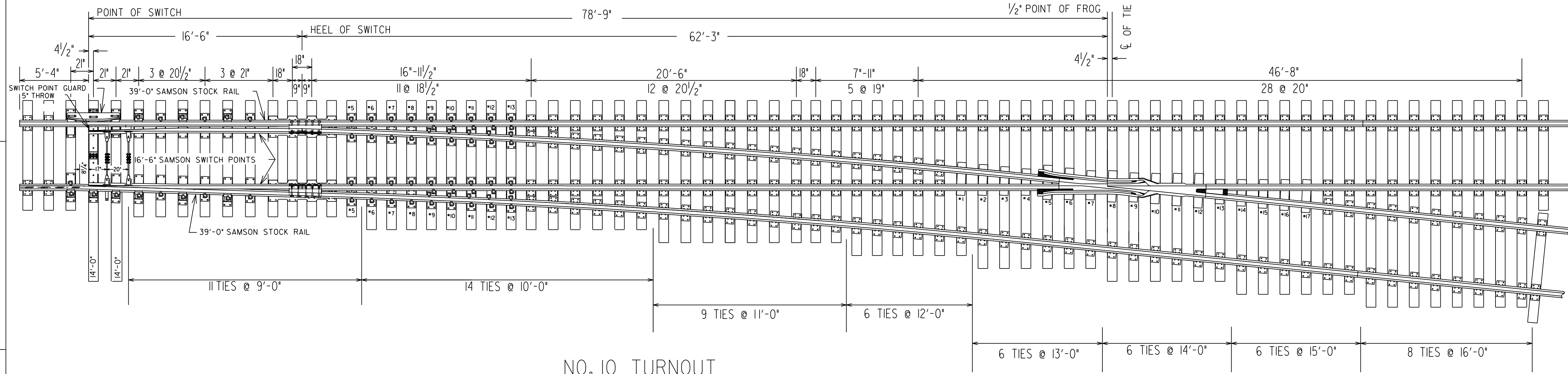
CROSSOVER



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 1/8"
14'-0"	44'-7 1/16"
15'-0"	54'-7 1/2"
16'-0"	64'-7 1/8"
17'-0"	74'-6 1/8"
18'-0"	84'-6 1/16"
19'-0"	94'-6 1/4"
20'-0"	104'-5 3/8"



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 4-10 FOR SOLID MANGANESE SELF GUARDED FROG
- PLAN 4-11 FOR FROG PLATE DETAILS

NORFOLK SOUTHERN RAILWAY COMPANY
NO. 10 132/136RE TURNOUT
 WITH 16'-6" SWITCH AND
 SOLID MANGANESE SELF GUARDED FROG
 FOR YARDS
 SEPTEMBER 1996
 Atlanta, Georgia

DATE	REVISION
6-8-99	CHANGE TIMBER LENGTH IN CROSSOVER