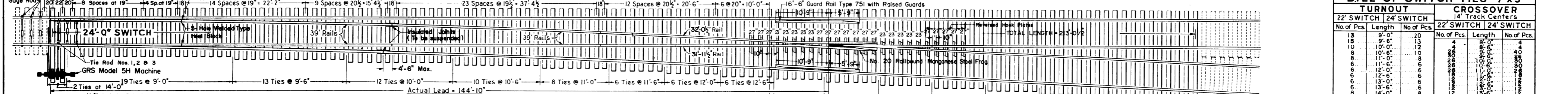


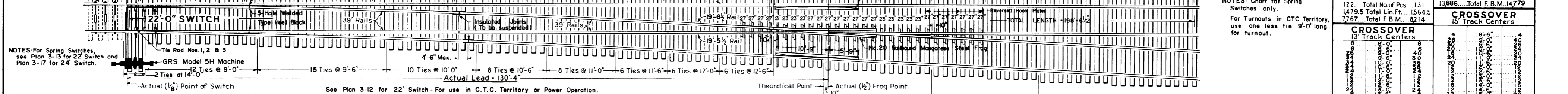
CROSSOVER
 13 Track Centers - Length (24' Switches) = 359'-6"
 Length (22' Switches) = 330'-6"
 See Plan 3-16 for 24' Switch - For use in C.T.C. Territory or Power Operation.
 Plan 3-17 for 24' Switch - For Spring Switch Outside C.T.C. Territory.

CROSSOVER
 14' Track Centers - Length (24' Switches) = 379'-1"
 Length (22' Switches) = 350'-4"

CROSSOVER
 15' Track Centers - Length (24' Switches) = 399'-6"
 Length (22' Switches) = 370'-6"



No. 20 TURNOUT
 48 Spaces @ 20'-80"
 6 Ties @ 13'-0" 6 Ties @ 13'-6" 6 Ties @ 14'-0" 6 Ties @ 14'-6" 6 Ties @ 15'-0" 8 Ties @ 15'-6" 10 Ties @ 16'-0"
 10 Ties @ 10'-6" 8 Ties @ 11'-0" 6 Ties @ 11'-6" 6 Ties @ 12'-0" 6 Ties @ 12'-6"



OFFSET DIAGRAMS
 Note: - Offsets measured from gage side of stock rail to gage side of turnout rail.

BILL OF SWITCH TIES 7"x9"			
TURNOUT		CROSSOVER	
22' SWITCH	24' SWITCH	22' SWITCH	24' SWITCH
No. of Pcs.	Length	No. of Pcs.	Length
13	9'-0"	20	8'-0"
18	9'-6"	13	8'-0"
10	10'-0"	12	8'-0"
8	10'-6"	10	8'-0"
6	11'-0"	8	8'-0"
6	12'-0"	6	8'-0"
6	12'-6"	6	8'-0"
6	13'-0"	6	8'-0"
6	13'-6"	6	8'-0"
6	14'-0"	6	8'-0"
6	14'-6"	6	8'-0"
6	15'-0"	6	8'-0"
10	16'-0"	10	8'-0"
122 Total No. of Pcs. 131		238 Total No. of Pcs. 256	
1479.5 Total Lin. Ft. 1564.5		2645 Total Lin. Ft. 2815	
767 Total F.B.M. 8214		13886 Total F.B.M. 14779	

NOTES: Chart for Spring Switches only.
 For Turnouts in CTC Territory, use one less tie 9'-0" long for turnout.

Closure Distances (Heel of Switch to Toe of Frog): -

	22' Switch	24' Switch
Straight Rail	97'-6"	110'-0"
Curved Rail	97'-7"	110'-1"

- See Plan 1-4 For Bolts used in Trackwork
 Plan 3-28, 3-30 & 3-34 For Switch Heel Blocks
 Plan 3-67 For Switch Stand
 Plan 4-17 for R. B. M. Frogs, 100-lb.
 Plan 4-18 & 4-19 R. B. M. Frogs
 Plan 3-62 to 3-64 For Adjustable Plates & Braces
 Plan 4-29 for Frog Plates - Right Hand Turnout, 132-lb. RE. Only
 Plan 4-30 for Frog Plates - Left Hand Turnout, 132-lb. RE. Only
 Plan 4-35 for Guard rails
 Plan 3-43 for Switch Lugs
 Plan 3-45 for Tie Rods
 Plan 4-21 to 4-23 Twin Frog Plates and uses

Note: Items shown shaded are furnished, installed and maintained by Communication & Signal Dept. and are shown only as information.

SOUTHERN RAILWAY SYSTEM
NO. 20 TURNOUT
 WITH 22'-0" & 24'-0" STRAIGHT SWITCHES
 WITH DETAILS OF TIMBER PATTERNS
 FOR TURNOUT AND CROSSOVERS

FEBRUARY 1, 1975

OFFICE OF ASST. V.P. M. W. & S.
 Atlanta, Georgia