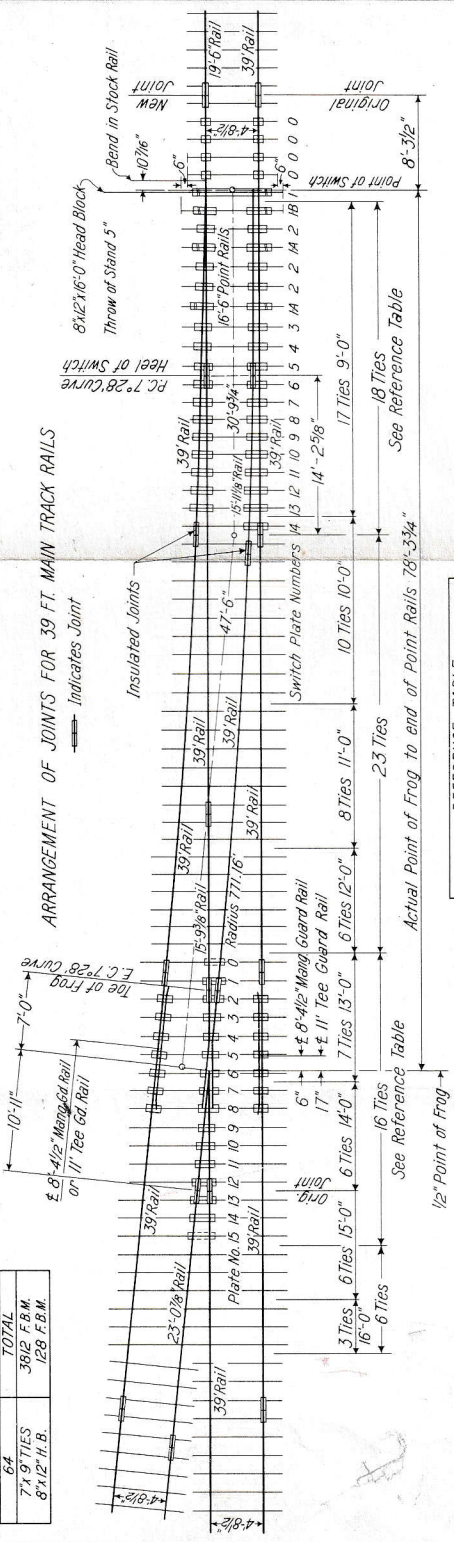


C.S.  
1153

LIST No. 10-D  
LIST OF SWITCHES SHOWING LENGTHS  
PRIMARY MAIN LINE SIZE 7"x9"

NUMBER OF TIES	LENGTH OF TIES
17	9'-0"
10	10'-0"
8	11'-0"
6	12'-0"
7	13'-0"
6	14'-0"
6	15'-0"
3	16'-0"
1	16'-0" (8"x12" H.B.)
64	TOTAL
719 TIES	3902 F.B.M.
8"x12" H.B.	128 F.B.M.

NOTES:  
Switch stand to be placed on turnout side except when otherwise authorized.  
Lengths of rails in lead may be varied to suit rail on hand  
Position of rails in lead may be interchanged when joints approximately  
opposite each other are not required in connection with signal work.  
Closure rails behind heel of switch points to be drilled for anti-creep  
straps when required.  
Requisitions for switches should specify whether insulated or non-insulated  
switch. If power operated, state type of switch machine.  
Frog Plates Nos. O & I for 132-lb. H.F. Rail only.  
For Crossover Data see C.S. 1100.



REFERENCE TABLE

Rail Section	103-lb. H.F.	115-lb. H.F.	122-lb. H.F.	132-lb. H.F.
16-6 Split Switch	C.S. 1016	C.S. 1009	C.S. 1017	C.S. 1019
No. 10 R.B. Mang. Frog	C.S. 835	C.S. 835	C.S. 835	C.S. 835
8-4 1/2" Mang. Gd. Rail	C.S. 920	C.S. 920	C.S. 921	C.S. 921
11 Tee Guard Rail	C.S. 912	C.S. 912	C.S. 912	C.S. 912
Adj. Rail Brace	C.S. 1002	C.S. 1002	C.S. 1002	C.S. 1002

TURNOUT DATA

Number	10
Angle	5° 43' 29"
Length on Straight Track	17'-11"
The Length on Straight Track	7'-0"
" " Turnout "	7'-0"
Length of Points	16'-6"
Heel Spread	6 1/4"
Angle	1° 43' 06"
Lead	19'-3 1/4"
Degree Angle	4° 00' 24"
Curve	788.61'
Radius of Curved Rail	771.16'
Straight Closure	54'-9 1/2"
Curved Closure	54'-11 1/4"

SOUTHERN PACIFIC LINES  
COMMON STANDARD  
SWITCH LAYOUT

No. 10 R.B. MANG. FROG 16'-6" POINT RAILS  
FOR USE WITH 103-LB. H.F., 115-LB. H.F. & 132-LB. H.F. RAIL  
NO SCALE  
ADOPTED OCT. 10, 1950  
REVISED NOV. 11, 1951

OFF-SET DIAGRAM