



OFFSETS BEHIND THE HEEL OF FROG

TRACK CENTERS	X	E	F	G	H	J	K	L
12'-2"	27'-10 3/4"	3'-6 1/2"	4'-8 3/8"	5'-7 3/4"	6'-4 3/4"	6'-11 3/8"	7'-3 5/8"	7'-5 1/2"
13'-0"	34'-6 1/2"	4'-4 1/2"	5'-6 3/8"	6'-5 3/4"	7'-2 3/4"	7'-9 3/8"	8'-1 5/8"	8'-3 1/2"
14'-0"	42'-6 1/8"	5'-4 1/2"	6'-6 3/8"	7'-5 3/4"	8'-2 3/4"	8'-9 3/8"	9'-1 5/8"	9'-3 1/2"
15'-0"	50'-5 3/4"	6'-4 1/2"	7'-6 3/8"	8'-5 3/4"	9'-2 3/4"	9'-9 3/8"	10'-1 5/8"	10'-3 1/2"
16'-0"	58'-5 3/8"	7'-4 1/2"	8'-6 3/8"	9'-5 3/4"	10'-2 3/4"	10'-9 3/8"	11'-1 5/8"	11'-3 1/2"
17'-0"	66'-5"	8'-4 1/2"	9'-6 3/8"	10'-5 3/4"	11'-2 3/4"	11'-9 3/8"	12'-1 5/8"	12'-3 1/2"
18'-0"	74'-4 5/8"	9'-4 1/2"	10'-6 3/8"	11'-5 3/4"	12'-2 3/4"	12'-9 3/8"	13'-1 5/8"	13'-3 1/2"
19'-0"	82'-4 1/4"	10'-4 1/2"	11'-6 3/8"	12'-5 3/4"	13'-2 3/4"	13'-9 3/8"	14'-1 5/8"	14'-3 1/2"
20'-0"	90'-3 7/8"	11'-4 1/2"	12'-6 3/8"	13'-5 3/4"	14'-2 3/4"	14'-9 3/8"	15'-1 5/8"	15'-3 1/2"

Values for track centers not shown may be determined by interpolation.

TURNOUT DATA

FROG - No. 8 Angle 7°-09'-10"

FROG DIMENSIONS

RAIL SECTION	FROG TYPE	LENGTH		
		TOE	HEEL	TOTAL
119	RBM	6'-3"	9'-5"	15'-8"
132-140	RBM	7'-0"	11'-0"	18'-0"
119,132,140	S.G.	2'-11"	6'-0"	8'-11"

SWITCH RAILS

Length ----- 16'-6"
 Type ----- Straight
 Switch Angle For Samson Switch Points ----- 1°-48'-32"
 Heel Block Angle ----- Same As Switch Angle
 Point of Switch to P.C. ----- 19'-4 3/8"

LEAD

Point of Switch to 1/2 Point of Frog ----- 68'-0"
 Radius ----- 446.162'
 Degree of Curve ----- 12°-52'-08"

CLOSURE RAIL DIMENSIONS

RAIL SECTION	FROG TYPE	LENGTH OF CLOSURE RAILS	
		CURVED	STRAIGHT
119	RBM	45'-5 11/16"	45'-3"
132-140	RBM	44'-8 11/16"	44'-6"
119,132,140	S.G.	48'-9 11/16"	48'-7"



STANDARD
OFFSETS FOR NO. 8 TURNOUT
 119, 132 or 140 R.E. RAIL-UNDERCUT

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R.H. Smith
 Chief Engineer-Maintenance of Way

B.D. Gordon
 Chief Engineering Officer