



**FROG & SWITCH DATA - 60° CHUTE**  
 NO. 2 FROG  
 3 1/2 SWITCH  
 R = 22'  
 Δ = 31° 55' 40"

**FROG & SWITCH DATA - 45° CHUTE**  
 NO. 4 FROG  
 7 1/2 SWITCH  
 R = 50'  
 Δ = 30° 45' 00"

**FROG & SWITCH DATA - 35° CHUTE**  
 NO. 4 FROG  
 7 1/2 SWITCH  
 R = 91'  
 Δ = 20° 45' 00"

SIGHT LINE ON WIDE SIDE RAIL  
 TRACK GAGE = 42"

R.F. - FROG POINT  
 DS - DRIVE SIGHT  
 RT - POINT OF TANGENCY

**INDUSTRIAL COLLIERIES CORP**  
**ELLSWORTH DIVISION**

STANDARD LAYOUTS FOR FROGS  
 AND SWITCHES

SCALE: 1"=10'

DEC. 23, 1943

DWG. 63-5

6-J-H