

Permanent posts should be kept set to within 12 feet of the face before undercut is made.

Roof bolts should be installed each cycle of operation prior to undercutting of the face for the next cycle. Distance of bolts from face should not exceed 48 inches.

Pattern for bolt installation in entries should be one row each linear four feet and each row should be installed in a manner that a bolt is about 3 feet out by each rib and a third bolt is placed half the distance between the rib bolts.

One row of posts on approximately 4-foot centers, should be set as the entry is developed, likewise in each Y-cut. A substantial cap board should be used with each post.

Entry width should not be in excess of 16 feet.

Bolts should be 48 inches in length and each should have a substantial metal plate used in conjunction with it, either 1 in split or 3/4 in expansion shell type bolts are satisfactory.

Bolts should be tightened sufficiently that the tension equals the maximum safe load capacity of the bolts.
= about 200 lbs. force
(x 47)

Additional roof support may be obtained by placing these posts after the next in by crosscut has been completed.

Track installed off center of entry sufficient to allow angle clearance and one row of posts on wide side.

2nd & 3rd outby breakthroughs are maintained as switching tracks.

Where roof conditions indicate bolts and one row of posts are not sufficient support (tender roof) then an ample number of crossbars should be set to supplement the bolts.

Breakthroughs between F Main, 1 left and 1 left and 2 left and also 1 right and 2 right most likely can have the roof supported by 2 rows of bolts and 1 row of posts, except that the rows at each end of the crosscuts should contain 3 bolts.

Crosscut openings to be posted when use as passage way has been discontinued.

4.2
7.4
12.5
18.0
20.0

Tom Stafford

Not drawn to scale

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