Two Rafter-Units are required for each 16'-0" or length. Two Units on each pair of Inside Poles and one Unit on the inside face of the end poles.

Nail Purlin Anchors in place on Rafter-Unit before Assembly

Rafter-Unit Assembly Diagram
Scale 3/8" = 1'-0"

Five 6d Nails To Blocking

One 16d Tornail

Forty 6d Nails To Each Rafter (Total Eighty)

Fifteen 16d Nails To Each Pole (From Far Side)

Twenty-Four 6d Nails To Collar

Nail Each Rafter And Collar To Purlin Anchor With Two 16d Nails

Fifteen 6d Nails To Rafter

One 16d Nail

Fifteen 6d Nails To Collar

Use Hot-Dip Galvanized Common Nails

Fasten Each End Of Purlin With One 16d Nail To Rafter And Two 12d Nails To Purlin Anchor Or Blocking (This Nailing Not Shown)

Nailing Details
Scale 3/8" = 1'-0"

3 x 12 Sheet Metal Ties With Three Roofing Nails To Each Purlin. Use Two Ties, 4-8" oc. In Each Bay.
STATIONARY LOADING CHUTE

ALTERNATE FLOOR FOR LOADING CHUTE
(ALL UPPER DIMENSIONS SAME AS AT LEFT)
Disclaimer

This site makes available conceptual plans that can be helpful in developing building layouts and selecting equipment for various agricultural applications. These plans may be outdated and do not necessarily represent the most current technology, construction codes, or agricultural practices. They are not construction plans and do not replace the need for competent design assistance in developing safe, legal and well-functioning agricultural building system. The University of Arkansas Cooperative Extension Service, the United States Department of Agriculture and none of the cooperating land-grant universities warranty these plans.