GRAYS HARBOR COUNTY
PLANNING AND BUILDING DIVISION
DEVELOPMENT ASSISTANCE BULLETIN

33

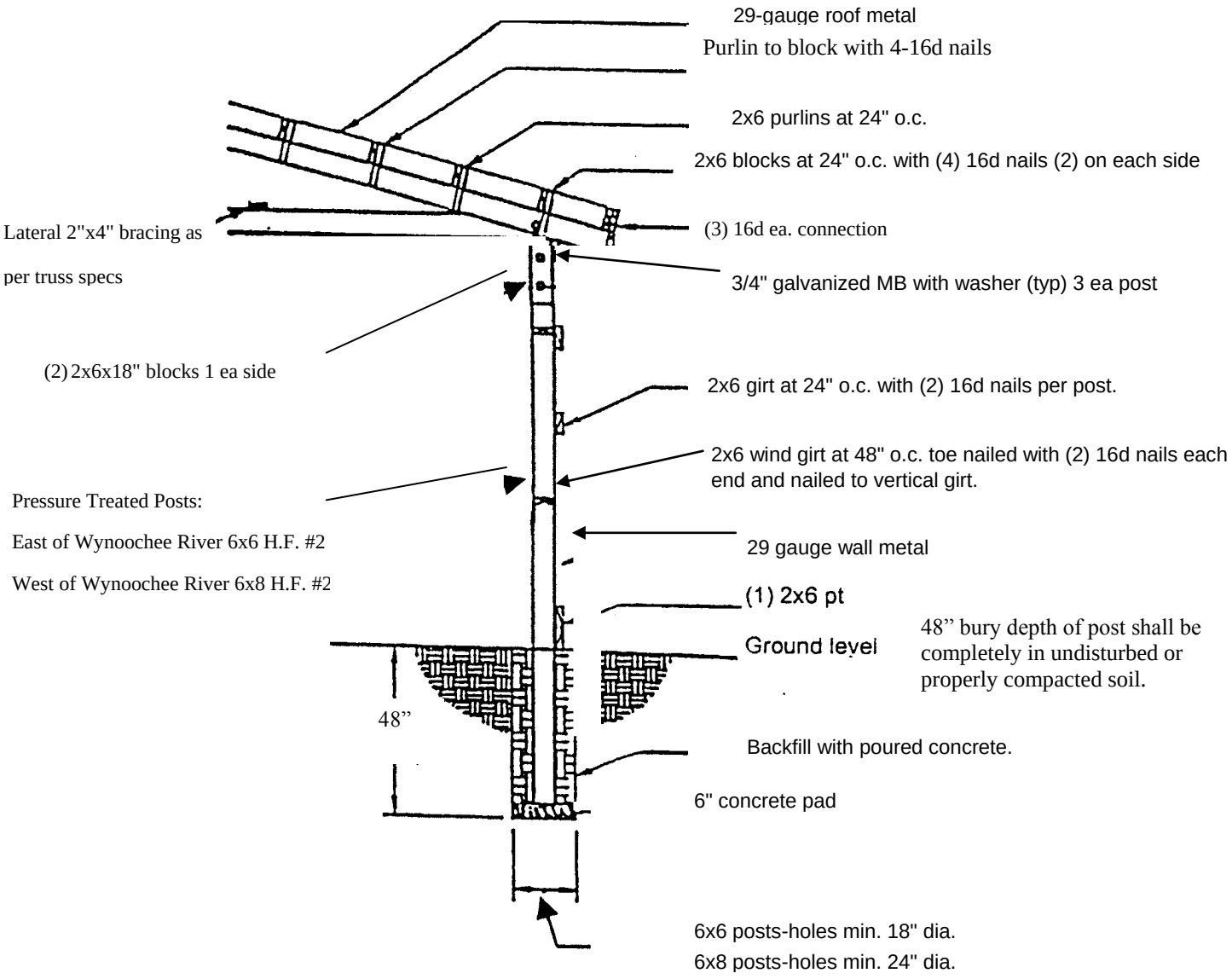
Pre-Engineered Post-Framed Accessory Structures

Grays Harbor County does not require engineered plans for buildings constructed in accordance with the following standards where used for IRC Accessory Buildings, IBC Utility Structures and Agricultural Buildings.

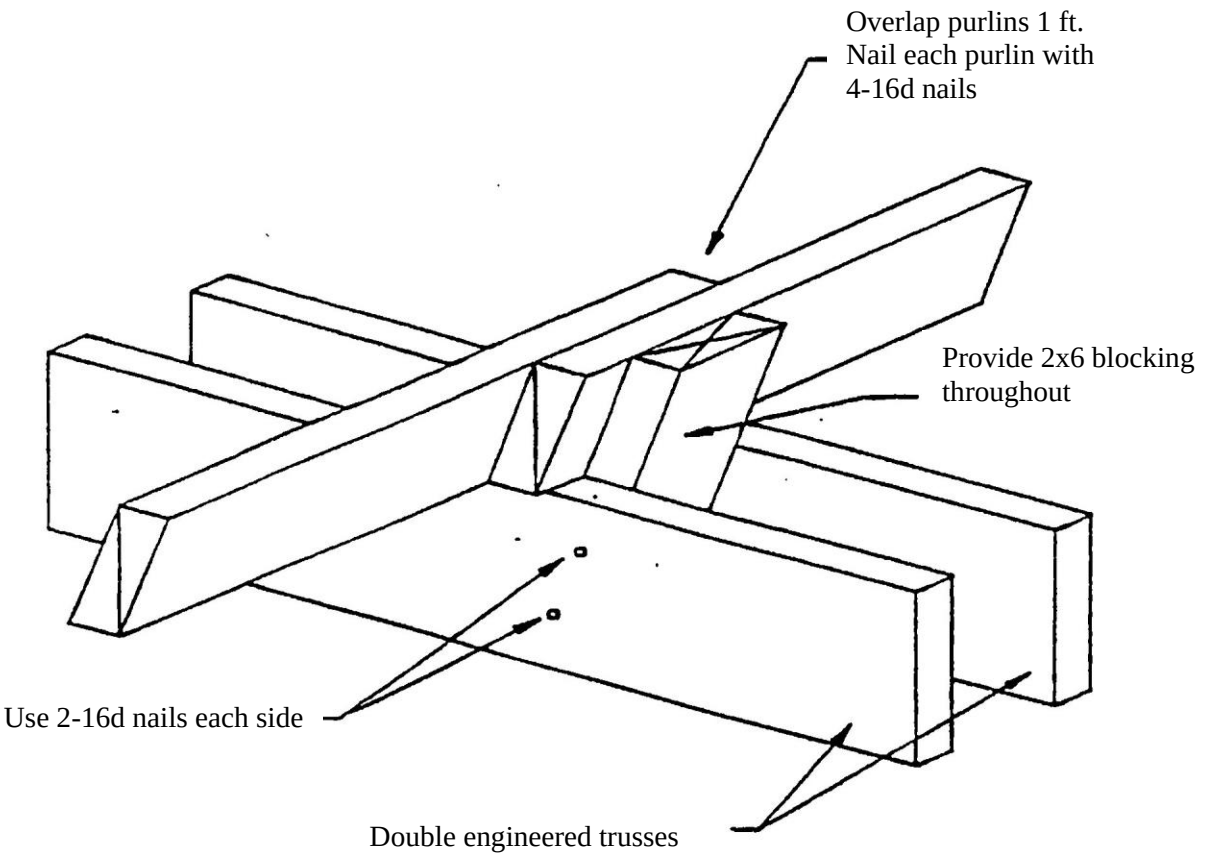
Building Length	Unlimited
Building Width	Maximum of 30’
Eave Height	Maximum of 14’
Post Spacing	Side wall – Maximum of 12’ End wall – Maximum of 12’
Post Size	East of the Wynoochee River – 6” x 6” HF #2 West of the Wynoochee River – 6” x 8” HF #2 Posts should be placed with the larger dimension parallel to the truss
Post Holes	6” x 6” posts – 18” in diameter by 4’ deep 6” x 8” posts – 24” in diameter by 4’ deep
Footings	6” deep concrete pad at the bottom of the post hole
Backfill	Postholes shall be backfilled with concrete.
Wall Girts	2” x 6” wall first 24” o.c. with “wind girts” provided at 48” o.c.
Roof Purlins	Shall be a minimum of 2” x 6” DF #2 and shall be overlapped at supports by not less than 1’ and nailed together with no less than 4 - 16d nails connected to 2” x 6” through truss blocks with 2 - 16d nails in each side.
Trusses	Shall be pre-engineered and pre-manufactured. Trusses shall be connected to the posts with 1 - ¾” through machine bolt with nut and washers and shall set on a 2” x 6” x 18” truss block connected to the post with 2 - ¾” through machine bolts with nut and washers. Engineered truss specifications shall be on-site for the framing inspection and the bottom truss cords shall be braced in accordance with the truss manufacturer’s requirements.

The following pole buildings are required to be designed by a licensed engineer.

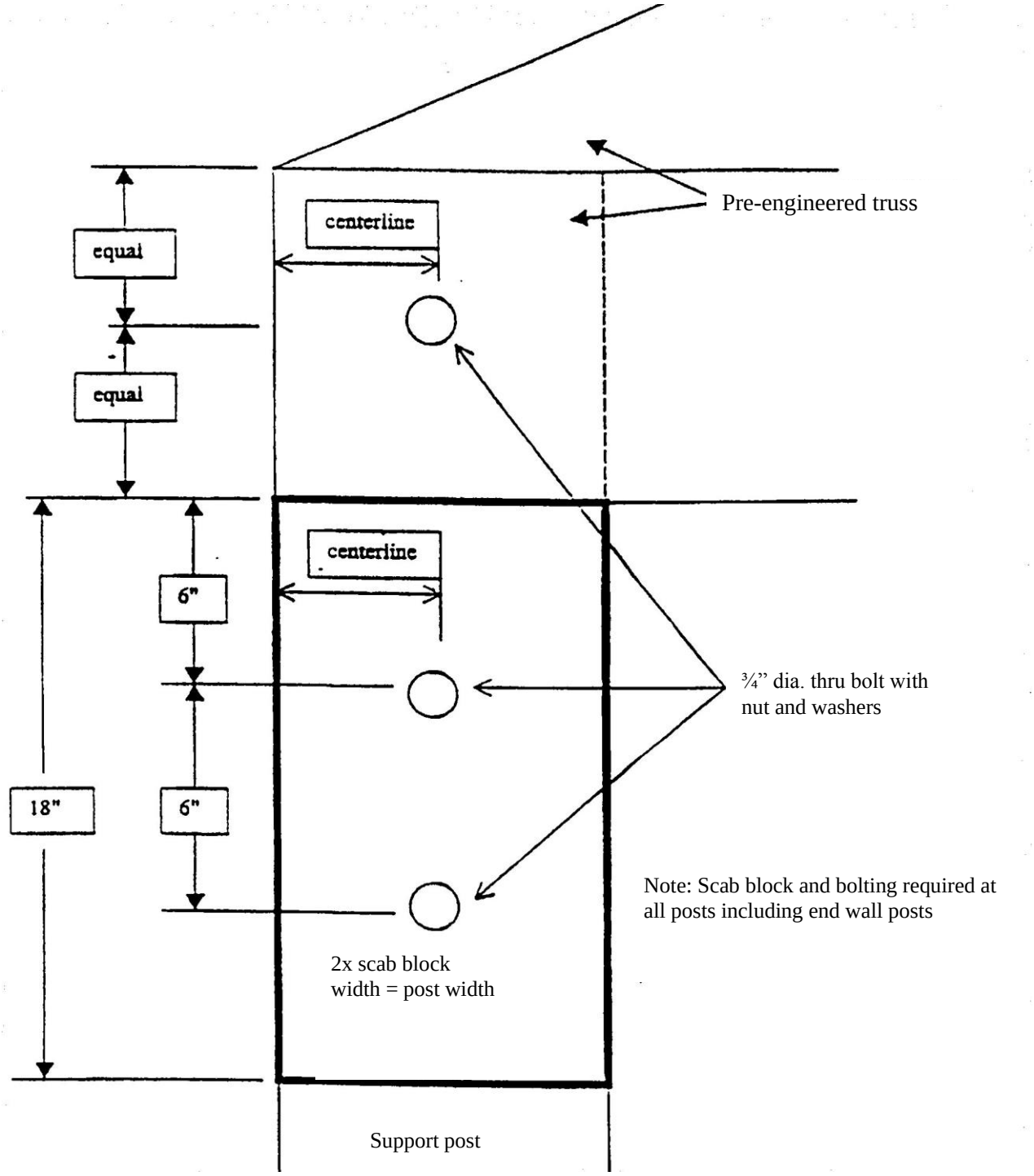
1. All pole buildings located within the 135 mph basic wind speed zone with a “D” exposure.
2. All pole buildings more than 30’ in depth.
3. All pole buildings with an eave height over 14’.



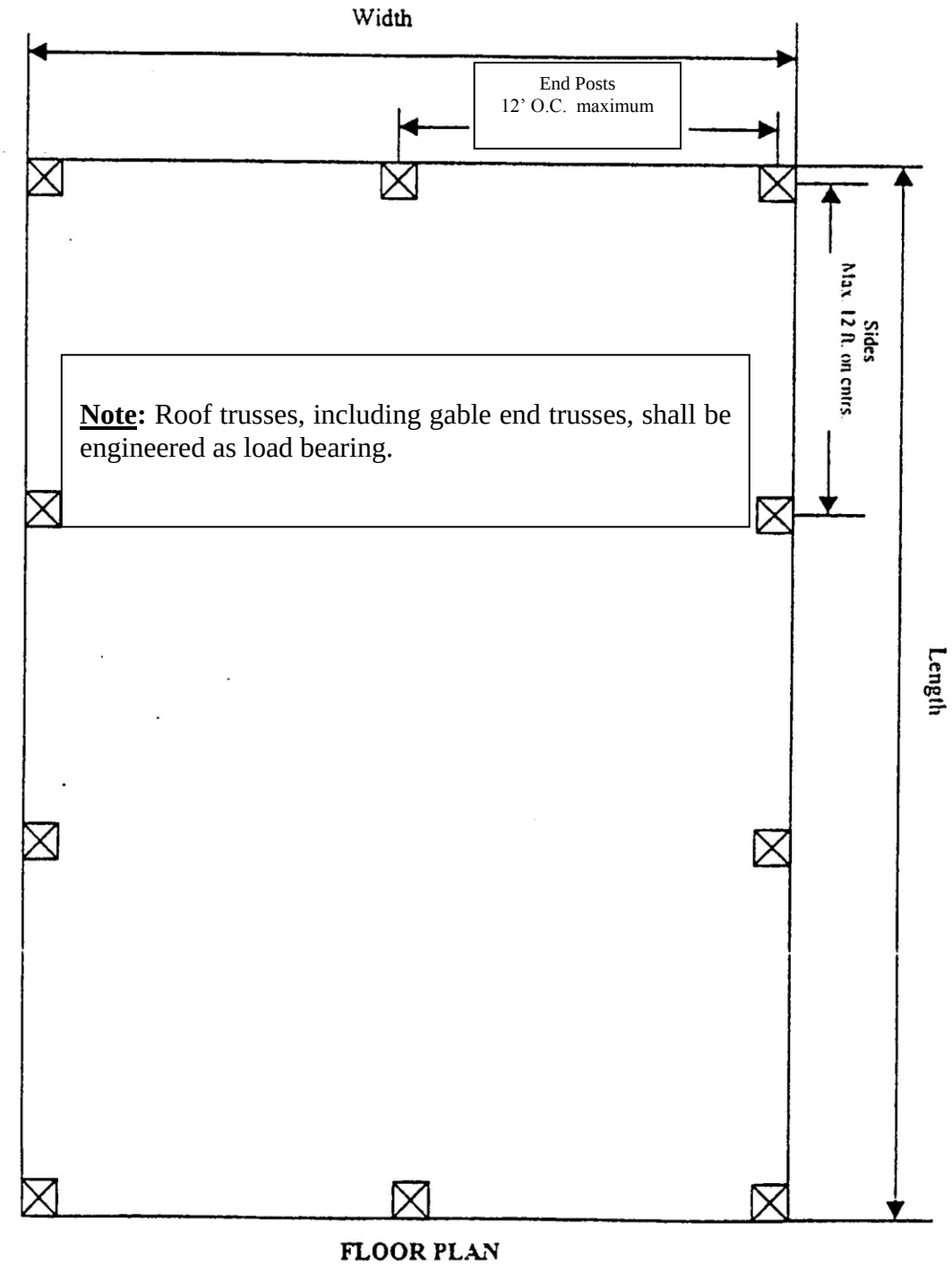
TYPICAL POLE BUILDING CROSS SECTION



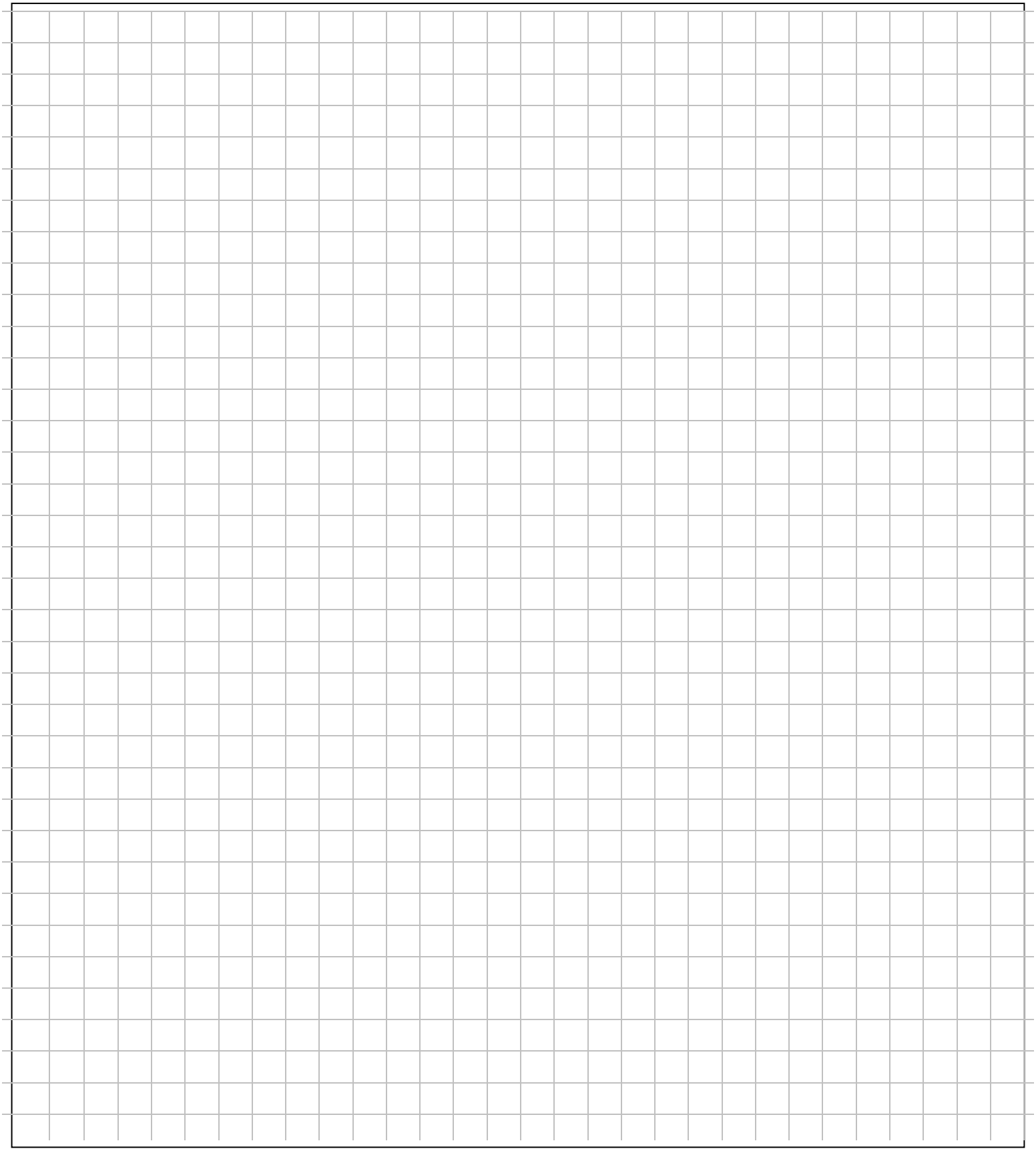
PURLIN BLOCKING DETAIL


Pre-engineered truss
centerline
equal
equal
centerline
6"
¾" dia. thru bolt with nut and washers
18"
6"
Note: Scab block and bolting required at all posts including end wall posts
2x scab block
width = post width
Support post

SCAB DETAIL


Width
End Posts
12' O.C. maximum
Sides
Max. 12 ft. on cntrs.
Length
Note: Roof trusses, including gable end trusses, shall be engineered as load bearing.

FLOOR PLAN



Floor Plan

Scale: __1/4”=1’ (one foot per square)-or- __1/8”=1’(two feet per square)

Show location and size of all doors, windows, exterior and interior walls, and post locations on