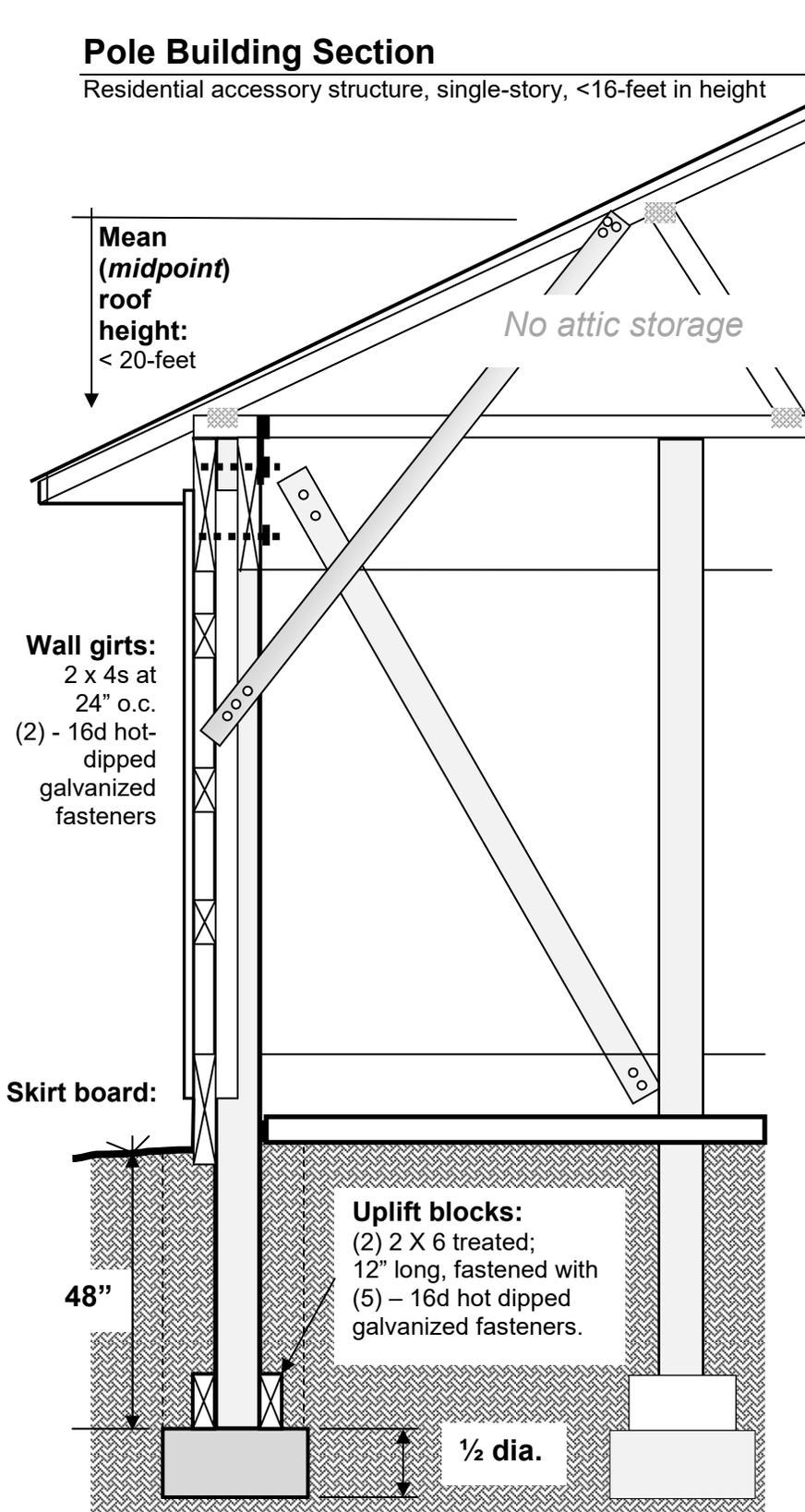


This illustration is a summary of the Residential Code of Ohio (RCO) §328.1. It is not intended to be comprehensive of all conditions; user acknowledges that all work shall comply with the RCO and assumes all risks.

Pole Building Section

Residential accessory structure, single-story, <16-feet in height



Check the following that apply:

Building Width:

- < 36-feet (including overhangs);
Wider buildings require engineering.

Pre-Engineered Trusses:

- Submit **sealed** pre-engineered drawings.
- Truss spacing shall align with Post-intervals.
- Truss connectors: (aka hurricane-straps).

Knee brace:

- Size: 2 x 6 at a 45° angle
- Location: from each post to trusses; as follows:
8'-10' Wall Height = 18"
10'-12' Wall Height = 24"
12'-14' Wall Height = 36"
14'-16'* Wall Height = 48"
**Taller wall height requires engineering.*

Lateral bracing:

- 2 x 6 (post-post diagonally) at corners and with spacing less than 25' o. c. from girder to skirt board, fastened with (2) - 16d hot-dipped galvanized fasteners at posts and (2) 10d fasteners at the skirt board. Face nailed.
- Continuous wood sheathing.

Posts:

- Size: 4 x 6 *minimum* treated.
- Spacing: 8-foot maximum.

Truss girders:

- 1 1/2" bearing required unless trusses bear on post.
- Building width:
(24' or less): (2) 2 x 12
- (24' to 36' buildings): (3) 2/12 or LVLs required.
- Girder Fasteners: three (3) - 1/2" diameter bolts.

Gable Headers:

- (2) 2 x 12s attached to post.

Roof:

- 2x4 purlins 24" o. c. with steel roof.
- 7/16" OSB and asphalt roofing.

Siding:

- Steel on 2 x 4 purlins.
- Wood sheathing (OSB) for vinyl or other siding; *may be needed for lateral-bracing per RCO §602.10.*

Floor:

- Concrete or gravel floor is acceptable.

Wall girts:
2 x 4s at
24" o.c.
(2) - 16d hot-dipped
galvanized
fasteners

Skirt board:

Uplift blocks:
(2) 2 X 6 treated;
12" long, fastened with
(5) - 16d hot dipped
galvanized fasteners.

48"

1/2 dia.

Concrete Foundation:

Shall be wet-poured; pre-cast concrete "cookies" not approved.

24': 18" diameter

36': 24" diameter