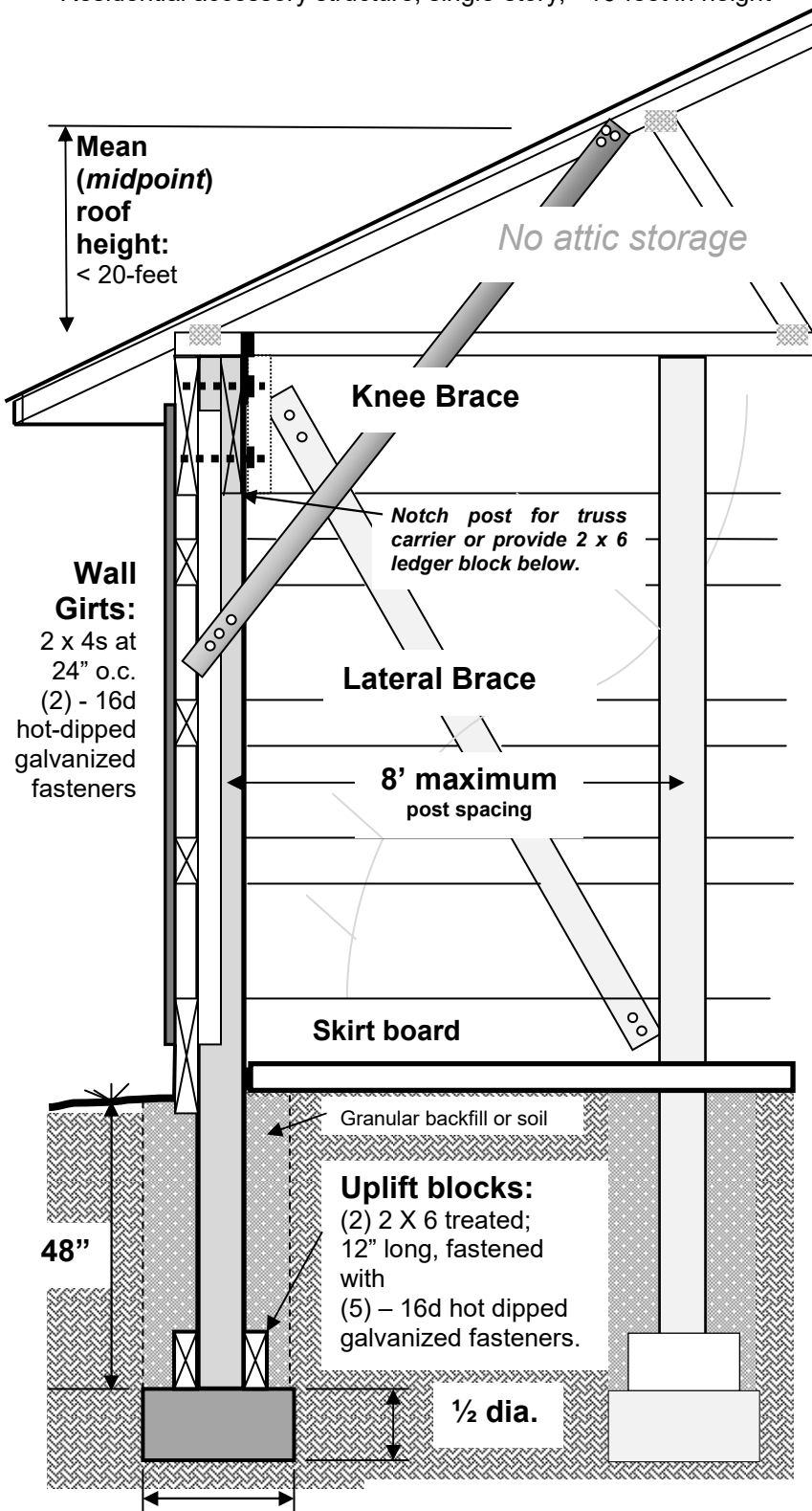


This illustration is a summary of the Residential Code of Ohio (RCO) §328.1. It is not intended to be comprehensive of all conditions; user acknowledges that all work shall comply with the RCO and assumes all risks.

Pole Building Section

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



Concrete Foundation:

- <24' wide building: 18" diameter
- 24'-36' wide building: 24" diameter
- Shall be wet-poured; pre-cast concrete "cookies" not approved.

Check the following that apply:

Floor plan / Building Width:

- <16-feet tall at truss bearing.
- < 36-feet width (including overhangs and porches); wider buildings require design / engineering.

Foundation: see section.

Posts:

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

Knee Brace: indicate on section

- 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: indicate locations on plan

- 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. 8' min.
- Continuous wood sheathing if less than 8-feet from corner to opening. 3' minimum.

Truss Girders:

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

Gable Headers:

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

Roof / Pre-Engineered Trusses: Submit sealed pre-engineered drawings to inspector on site.

- Truss spacing shall align with Post-intervals or see truss girders.
- Truss-connectors: (aka hurricane-straps).

Roofing:

- 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.