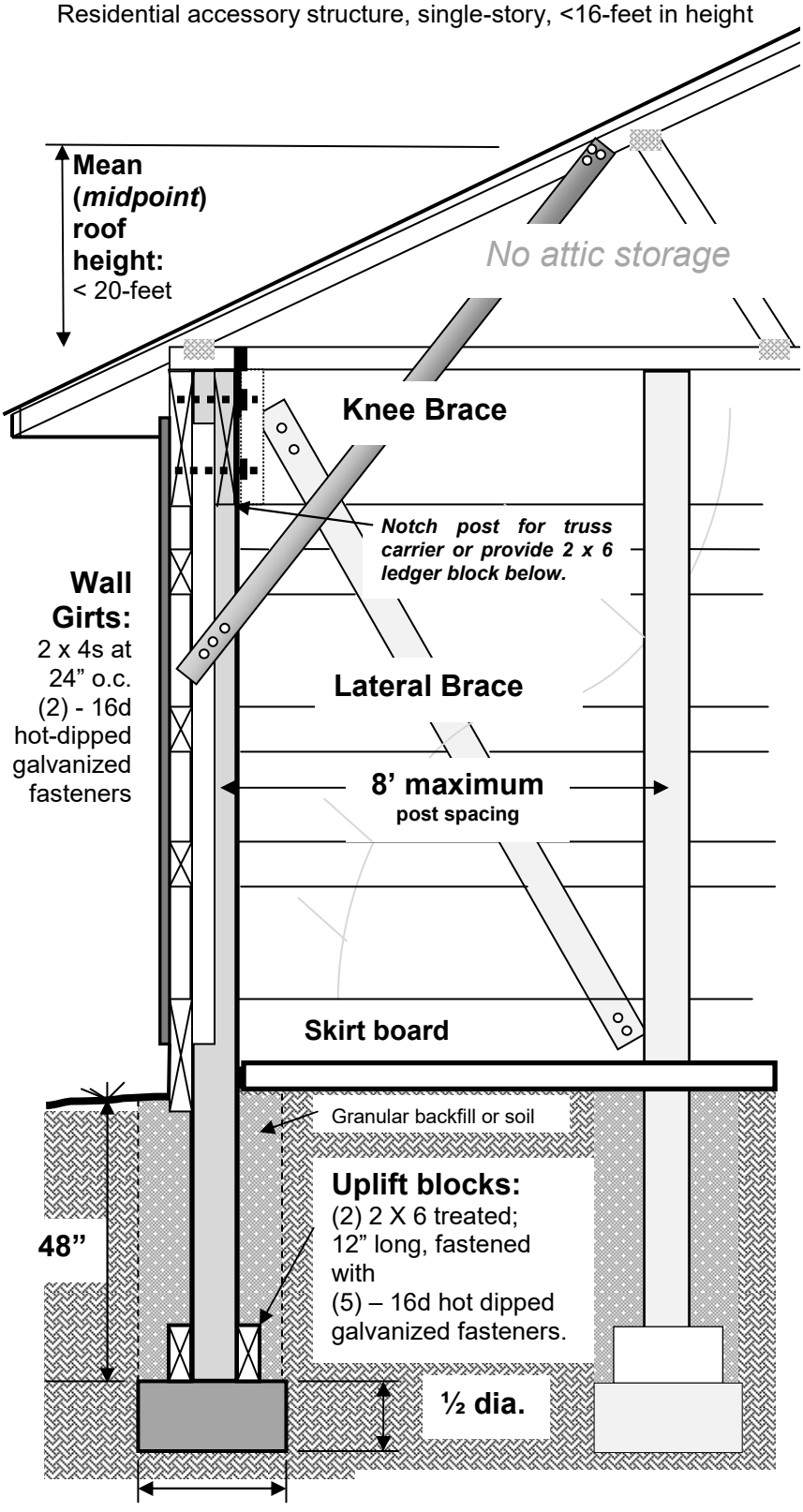
This illustration is a summary of the Residential Code of Ohio (RCO) §328.1. It is not intended to be comprehensive of all conditions; user acknowledges that all work shall comply with the RCO and assumes all risks.

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.
- ❑ Continuous wood sheathing if less than 3-feet from corner to opening.

Truss Girders:

- ❑ 1 ½" 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) ½" 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.