

Hamilton County Post Frame Residential Accessory Structure

Plan Requirements:

Provide 3 sets:

- Your site plan and the attached drawings.
- All information requested on the drawing must be filled out in order to show compliance with the requirements set forth in the 2013 RCO Section 324.
- *Use sheet 2 to complete the drawings on sheets 3-5.*
- *You are permitted to use other drawings which have the information listed below.*

Site Plan, Foundation/Floor Plan:

1. Provide a site plan showing the structures location & distances to other buildings, setbacks and property lines.
2. Provide plan view of post locations, spacing, & dimensions of the building. Indicate the locations of all window & door openings.
3. Framing plan should show direction, size, and spacing of roof system, purlins, girts, beams and header sizes.
4. Show the post footings & indicate size.

Section, Elevation, & Details:

1. Front, rear & side views to scale.
2. Finished grade line at building.
3. Label the depths to the bottom of the poles. Note that piers must be at least 48 inches in depth, or the plan must be engineered.
4. Label the pole size and type of material. Wood poles embedded in earth must be treated wood, labeled for ground contact.
5. Label the sidewall girt size, type of material, and spacing. Note that the bottom girt must be treated wood if located within 6 inches of grade.
6. Label the beam size and type of material above the poles. Detail the method of fastening beam to the poles.
7. Label the rafter size and spacing. (if engineered trusses are to be used, you may indicate this instead).
8. Label the rafter tie (or ceiling joist) size and (Not required for engineered trusses).
9. Label the roof purlin size and spacing, if applicable
10. Label exterior wall finish material.
11. Label the roof covering material

Inspections Required:

1. Plans and cards need to be on-site at all times
2. Soil & Setback Inspection: requested after excavation & prior to placing concrete
3. Framing inspection: requested after building is up prior to insulation or interior covering
4. Final Inspection: requested after all work is done

Structural Limitations:

1. Solid exterior structural sheathing or metal roof, and solid wall panels
2. Maximum building width of thirty six feet including the overhang
3. Maximum wall height of sixteen feet
4. Maximum mean roof height of twenty feet
5. Maximum post spacing of eight feet.

HAMILTON COUNTY POST FRAME RESIDENTIAL ACCESSORY STRUCTURE Technical Requirements

(BASED UPON 2013 RCO SECTION 324)

Column Requirements: *(See attached drawings)*

Footing Requirements:

RCO Table 324.3	<i>Building width (length of truss) including overhang (feet)</i>			
	24'	28'	32'	36'
<i>Footing Diameter (inches)</i>	19"	21"	24"	24"

(Based on 1,500 PSF soil bearing capacity)

Roof Requirements:

RCO Table 324.4.7	<i>Beam or Truss connection at columns Min. Fasteners or Total Shear or Withdraw Values</i>			
	24'	28'	32'	36'
<i>Shear or withdraw (pounds)</i>	3360	3920	4480	5040
<i>1/2 inch dia. Bolts or other fasteners within the shear or withdraw values</i>	2	2	2	2

Bracing Requirements:

Table 324.6 Knee Brace Vertical Distance *(where used to resist lateral forces)*

<i>Wall Height</i>	<i>Vertical Dimension</i>
8'-0" through 9'-0"	1'-6"
9'-1" through 11'-0"	2'-0"
11'-1" through 13'-0"	3'-0"
13'-1" through 16'-0"	4'-0"

Additional Fastening Requirements:

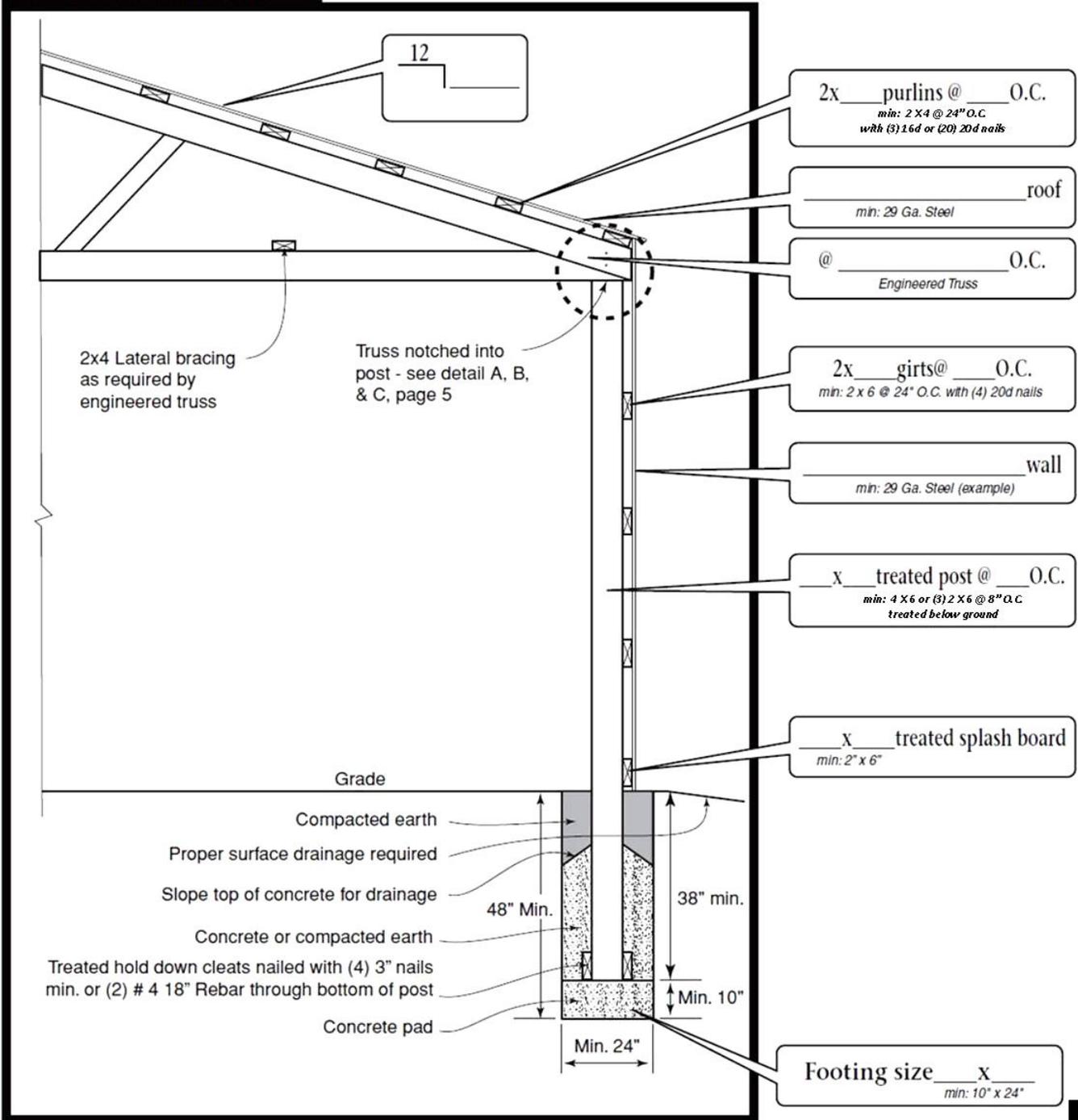
Table 324.7 Fastener Schedule for Structural Members

<i>Description of Building Element</i>	<i>Number & Type of Fastener</i>	<i>Attachment Type</i>
Uplift blocking to column	5-16d Hot Dipped Galvanized	Each Block
Skirt board to column	2-16d Hot Dipped Galvanized	Face Nail
Wall girt to column	2-16d Hot Dipped Galvanized	Face Nail
Diagonal bracing to column	2-16d Hot Dipped Galvanized	Face Nail
Diagonal bracing to skirt board	2-10d Hot Dipped Galvanized	Face Nail
Diagonal bracing to wall girts	2-10d	Face Nail
Knee brace (K.b.) to column	3-16d Hot Dipped Galvanized	Face Nail
K.b. to top chord of truss or rafter	3-10d	Face Nail
K.b. to bottom chord of truss or ceiling joist	3-10d	Face Nail
Roof purlin to truss or rafter with span of 2' or 4'	2-16d	Face Nail
Roof purlin to truss or rafter with span of 8'	<i>Uplift protect > 225 pounds</i>	<i>Per Manufacturer Installation Manual</i>

Standard Required Section

Project/Building Location:

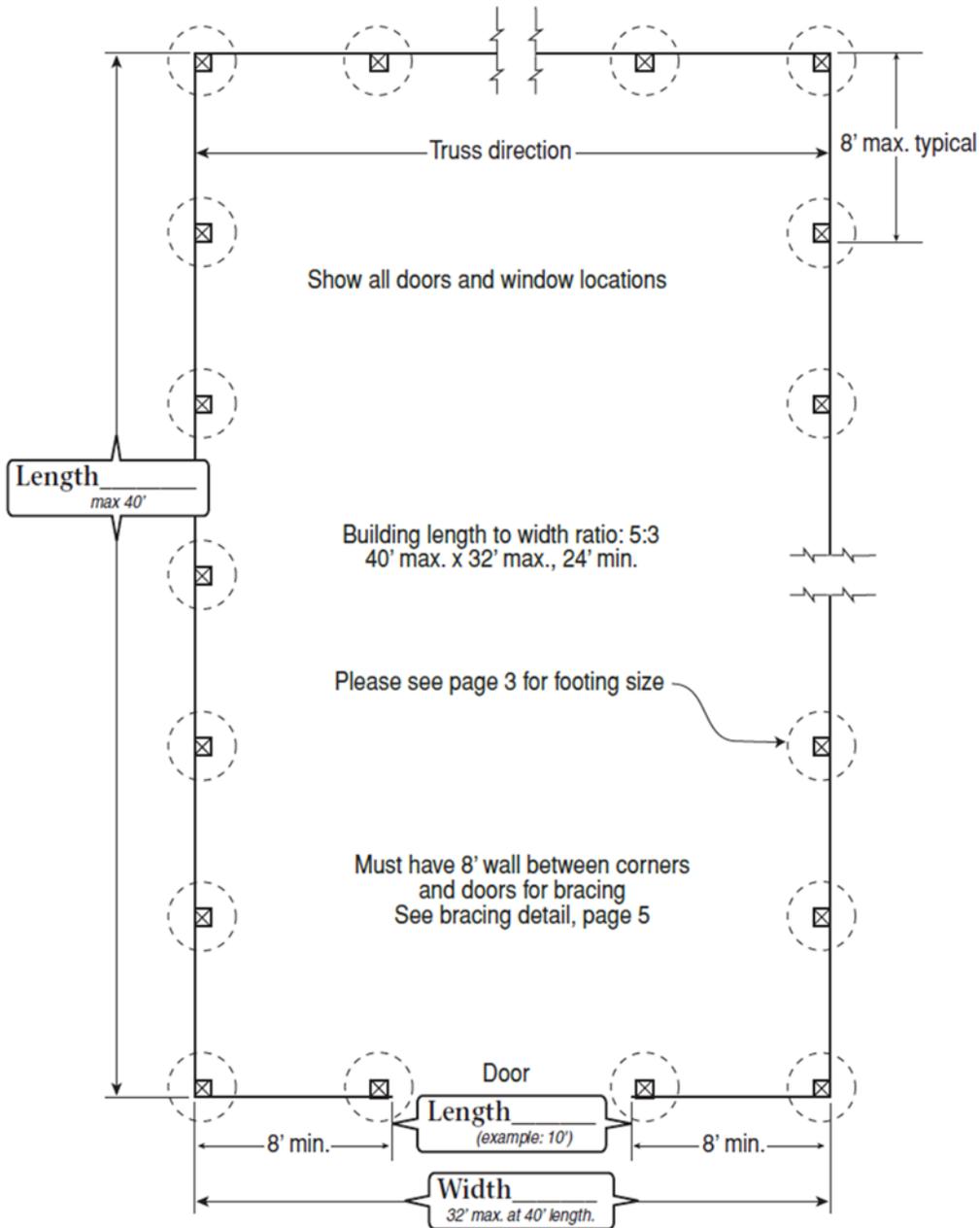
End Elevation



Standard Required Plan

Project/Building Location:

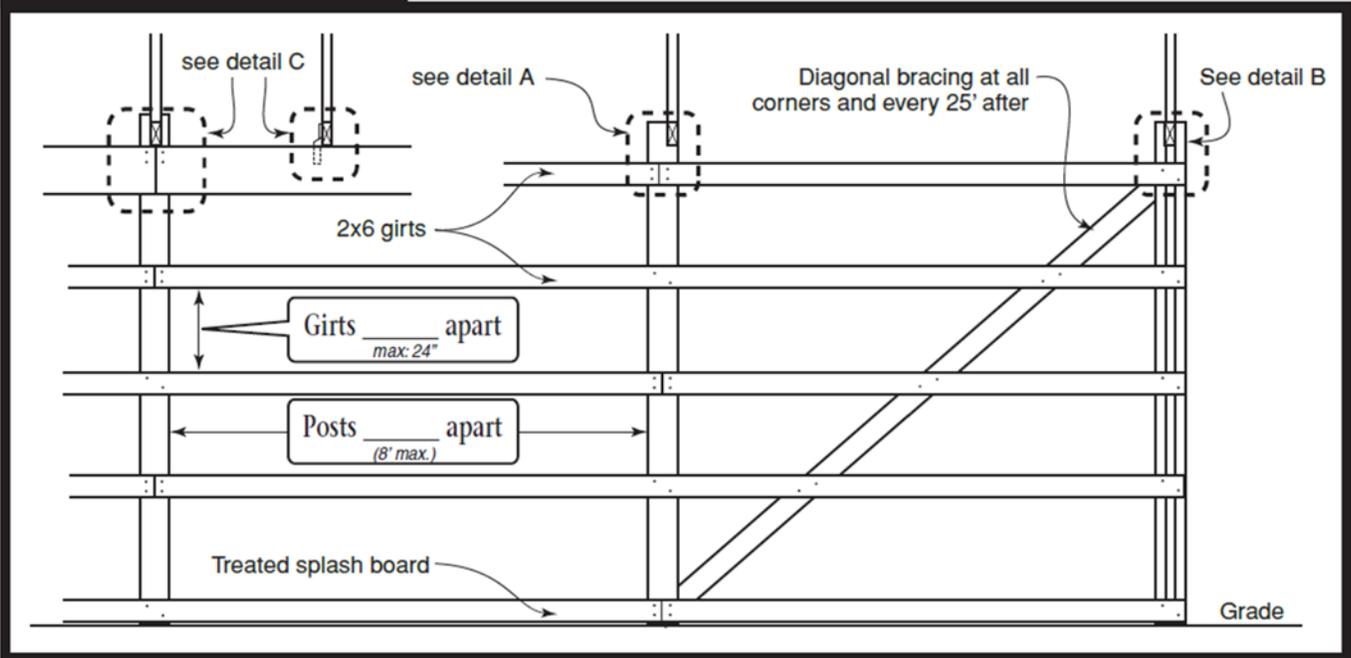
Floor plan



Standard Required Elevation & Details

Project/Building Location:

Side Elevation



Circle one of the following details A, B, or C

