MASON COUNTY
DEPARTMENT OF COMMUNITY DEVELOPMENT

Mason County Bldg. III, 426 West Cedar Street
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NON-ENGINEERED POLE BUILDING REQUIREMENTS

Building Area-	Max. 864 square feet
Post Height-	Max. 10 feet above grade
Post Spacing-	Max. 12 feet on center
Post Size-	6 x 8 pressure treated (PT) for ground contact *6 x 6 PT post @ corners & gable walls*
Post Holes-	24" in. diameter by 4'-0" deep into UNDISTURBED soil
Footings-	24" x 6" thick poured concrete *option: (2) unopened sacks of concrete mix placed in posthole and saturated with water prior to post placement*
Backfill-	Clean earth surrounding posts compacted to 90%, moisture content n.t.e. 10%
Girts-	2 x 6 wall girts @ 24" o.c; 2 x 6 wind girts @ 48" o.c.
Roof Purlins-	Minimum 2 x 6 DF#2 @ 24" o.c., overlapped 1' at supports with (3) 16d nails, connected to 2 x 6 truss blocks with (3) 16d nails on each side
Trusses-	Must be engineered/manufactured, spanning not more than 36'. Connect to posts with (1) hot-dipped galvanized 3/4" through bolt, support truss on 18" 2 x 6 or 2 x 8 block connected to post with (2) hot-dipped galvanized 3/4" through bolts. Truss bracing, web stiffeners, rat-runs, etc. to be specified by engineer and installed per specifications. Engineered truss specifications shall provided to inspector on-site at the time of framing inspection.

Mason County contains 4 snow load zones, trusses must be designed per site conditions

Engineering is required for pole buildings when the proposed structure:

-exceeds 864 square feet in area
-has a post height of more than 10'
-is in an area with a wind exposure other than 'B'
-is constructed using methods other than those outlined in this document

Engineering documents shall include both lateral and vertical analyses, prepared and stamped by a Washington State Licensed Structural Engineer or Architect. Requirements of the analyses shall be transferred onto the construction plans and submitted for review along with supporting calculations.

TYPICAL POLE BUILDING CROSS SECTION

NOT TO SCALE

MAX. AREA = 864 Square Feet
MAX. TRUSS SPAN = 36’
MAX. POST SPACING = 12’
MAX. POST HEIGHT = 10’