

Residential Remodel Building Permit Requirements

Pole Barn

Arapahoe County Adopted Design Criteria; 2015 IRC/IBC, 30 PSF unreduced roof snow load, 115 MPH Ultimate wind speed, 36" frost depth, Seismic design category B.

1. Attach the following to the online application:
 - a. Site Plan: For permanent record and field inspection. Must show the location of all proposed construction in relation to property lines and any other structures currently on the property, the location of any overhead power lines, the proposed driveway location and the lot and block numbers.
 - i. Clarify whether any utilities (gas, water, heating, electrical) are to be included with this permit – additional details may be required for plan review depending upon the full scope of work. Documentation showing compliance with the (IECC) International Energy Conservation Code is also required for any heated structures.
 - b. Building Guide: Please refer to and use (as applicable) the [Colorado Chapter of the International Code Council Building Guide – Poll Barn Construction](#) as an aid in proper permit submittal requirements, although additional details may be required
 - i. Note - The attached Building Guide was created by the Colorado Chapter of the ICC Standardization Committee, and may be used without the need for any additional engineering, where:
 1. The barn is no larger than 40'L X 32'W X 12'H maximum side wall height
 2. Rectangular shaped barns must maintain a minimum 5:3 aspect ratio (i.e., 40' X 24')
 3. There is a minimum of 8' of wall on either side of door openings on the end wall for required wall bracing – post spacing is limited to 8' maximum on center
 4. No changes are proposed to the minimum requirements shown in the Guide
 5. No soffit and eave overhangs are proposed for the barn

- c. Construction Plans: Provide electronic drawings, showing all proposed construction, drawn to scale, and that incorporate all of the minimum requirements shown in the Building Guide.
 - i. The plans must clearly indicate the type of material used for all framing members, the sizes and spans of all trussed or rafters and ceiling joists, the beam span from post to post, the size and spacing of posts, etc.
 - ii. Indicate all door and window locations
 - iii. Detail the roof slope, type of roofing material, the gauge of metal roofing, the type and thickness of roof sheathing, if applicable
 - iv. Provide specific details regarding any beam or header construction, the type of material, whether it is solid sawn, a built-up beam (multiple members nailed together as a beam), post-to-header bolting details, etc.
 - v. Provide complete wall framing details, size and type of material, on center spacing of posts / purlins, indicate the type and location of the required wind bracing
 - vi. Indicate how any posts are to be anchored to the piers and to the beam (pole barn)
 - vii. All components must be inspected prior to concealment
 - viii. Provide stamped engineered truss details for review and approval