How to Use this Guide

Provide two sets of plans and complete the following:

1 **Complete this Building Guide** by filling in the blanks on page two, and indicating which construction details will be used.

2 **Provide 2 Plot Plans** (site plan) showing dimensions of your project or addition and its relationship to existing buildings or structures on the property and the distance to existing property lines drawn to scale.

3 **Fill out a building permit application.**

The majority of permit applications are processed with little delay. The submitted documents will help determine if the project is in compliance with building safety codes, zoning ordinances and other applicable laws.

The Colorado Chapter of the International Code Council is a professional organization seeking to promote the public health, safety and welfare to building construction. We appreciate your feedback and suggestions. To obtain a master copy of this building guide, please write to the Colorado Chapter of the International Code Council, P.O. Box 961, Arvada, CO 80001.

http://www.coloradochaptericc.org

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Directions

1. Fill in the blanks with dimensions and materials which will be used to build the structure. Please print legibly.

2. Indicate in the check boxes which details from page 3 will be used. Please note if any of the sides of your carport addition are closer than 5'-0" to the property line, that side of the carport must be enclosed with a solid 1 hour fire rated wall as shown in Alternate Details B and C. You must however, keep at least two sides of the carport open to conform to the building code requirements. Zoning approval is required.

3. Roofing to be installed per manufacturer’s instructions, including low slope application and required inspections made.

- Roof covering
  - (example: Class A 3 tab shingles)

- Underlayment
  - (example: 15# felt with 19" laps)

- Size and Amount of Lags
  - (example: Two 3/8"x4 1/2" lags @ 16" O.C.)

- Sheathing
  - (example: 1/2" exterior plywood)

- Slope
  - Maximum rise 7 3/4" at door

- Overhang
  - 6'-8" minimum

- Concrete Slab
  - Minimum Diameter Pier 8"

- Minimum Diameter Pier 8"

- Isolate from Slab

- 2x____rafter spaced ____" O.C.
  - (example: 2 x 8 rafters spaced 24" O.C.)

- Span__________ (example: 12' 0")

- Footing ____"x____"
  - (for Alternate C only)

- Siding
  - (for Alternate B only)

- 12 pitch

- Note: Walls, posts, and overhang closer than 5' to be 1hr. rated

- No closer than 2 feet to property line

- Beam splices to occur over posts with 1 1/2" bearing

- 2"x____"beam
  - (example: (2) 2"x10")

- Check one
  - Detail A
  - Alternate A
  - Check one
  - Detail B
  - Alternate B
  - Check one
  - Detail C
  - Alternate C

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Single Family Residential Patio Covers & Carports

**Detail A**

- Existing roof rafters or trusses
- Galvanized metal joist or rafter hangers
- Extend underlayment from new roof a minimum of 18" onto existing roof
- Cont. 2x ledger
- Remove existing fascia
- Secure ledger to wall with lag bolts @ 16" O.C.
- Locate lag bolts to penetrate top plate or studs

**Alternate Detail A**

- Lap underlayment a minimum of 18" under existing roofing felts
- Solid 2x blocking on 2x12 or greater
- Roof tie downs required
- Cont. 2x6 secured to existing roof with fasteners at each rafter or truss

**Detail B**

- Solid 2x blocking on 2x12 or greater
- Roof tie downs required
- Galvanized metal post/beam connector

**Alternate Detail B - 1 Hour Wall**

- Solid 2x fire blocking on 2x12 or greater
- Roof tie downs required
- 5/8" type "X" exterior gypsum sheathing
- Galvanized metal post/beam connector
- Exterior siding
- Infill between posts w/ 2x4's @ 16" O.C.
- 2x facia
- No closer than 2 feet to property line
- 5/8" type "X" exterior gypsum board soffit

**Detail C**

- Minimum 3 1/2" concrete slab
- Treated or decay resistive post
- Galvanized column base w/ 1" spacer to concrete
- Isolate from Slab
- 8" minimum diameter concrete caisson
- Anchor bolt 7" minimum penetration
- 3'-0" minimum

**Alternate Detail C - 1 Hour Wall**

- Bottom plate shall be treated wood or Foundation redwood
- Infill between posts w/ 2x4's @ 16" O.C.
- Minimum 3 1/2" concrete slab
- Galvanized column base w/ 1" spacer to concrete
- Isolate from Slab
- Anchor bolt 7" minimum penetration
- 3'-0" minimum
- Footing

Note: Remove brick veneer at top of wall before installing continuous 2x ledger.

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