Building Guide
Colorado Chapter of the International Code Council

Single Family Residential
Patio Covers & Carports

How to Use this Guide
Check with your jurisdiction regarding type of submittal (paper or electronic) and for additional requirements. Draw to scale and complete the following (hint: use graph paper with ¼” squares. Example: ¼” = 1').

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. See Page 2

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

This handout was developed by the Colorado Chapter of the International Code Council as a basic plan submittal under the 2015 International Residential Code. It is not intended to cover all circumstances. Check with your Department of Building Safety for additional requirements.

City of Englewood
Building Division
1000 Englewood PKWY
Englewood, CO 80110
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Site Plan Example

Note: Manufactured homes require independent/self supported patio structure

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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 4 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 18' laps)
Size and Amount of Lags: (example: Two 1/2' x 4 1/2' lags @ 16' O.C.)
Sheathing: (example: 1/8' exterior plywood)

2x____ rafters spaced ____" O.C. (example: 2 x 6 rafters spaced 24" O.C.)

12 pitch

Note: Walls, posts, and overhangs closer than 5' to the property line to be 1hr. rated
No closer than 2 feet to property line
Beam splices to occur over posts with 1 1/2" bearing

Existing building
Span

Maximum rise 7 3/4" to top of door threshold

Check one
☐ Detail A
☐ Alternate A
☐ Other (provide detail)
(see page 4)

Check one
☐ Detail B
☐ Alternate B
(see page 4)

Check one
☐ Detail C
☐ Alternate C
(see page 4)

Span
(example: 12' O')

Siding
(for Alternate B only)

"x" "posts
(spaced __" apart
(example: 6)

Concrete Slab
Minimum Diameter Pier 8"
(size determined by load)

Footing "x_"
(for Alternate C only)

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**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 screws @ 16" O.C.
- Locate lag screws to penetrate top plate or studs
- Note: Remove brick veneer at top of wall before installing continuous 2x ledger

**Alternate Detail A**
- Extend underlayment from new roof a minimum of 18" onto existing roof
- 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
- Two layers of 5/8" type "X" exterior gypsum board softit
- Less than 5' to property line

**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

**Alternate Detail C - 1 Hour Wall**
- Bottom plate shall be treated wood
- 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
- 3'-0" minimum penetration
- Anchor bolt 7" minimum penetration
- Footing

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