How to Use this Guide

Provide two sets of plans, drawn to scale and complete the following (hint: use graph paper with $\frac{1}{4}"$ squares. Example: $\frac{1}{4}" = 1'$):

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.

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.

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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.

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**Address:**

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**Patio Section**

- **Maximum rise:** 7 3/4" at top of door threshold
- **Isolate from Slab:**
- **Concrete Slab:**
- **Minimum Diameter Pier:** 8"
- **Span:**
- **Overhang:**
- **Slope:**

**Check one**

- Detail A
- Alternate A

**Check one**

- Detail B
- Alternate B

**Check one**

- Detail C
- Alternate C

**Roof covering**

(example: Class A 3 tab shingles)

**Underlayment**

(example: 15# felt with 19" laps)

**Sheathing**

(example: 1/2" exterior plywood)

**Size and Amount of Lags**

(example: Two 1/2"x 4 1/2" lags @ 16" O.C.)

**2x____rafters spaced____" O.C.**

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

**12 pitch**

**Footing____"x____"**

(for Alternate C only)

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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
- Remove existing fascia
- Cont. 2x ledger
- Secure ledger to wall with lag bolts @ 16" O.C.
- Locate lag bolts to penetrate top plate or studs
- Note: Remove brick veneer at top of wall before installing continuous 2x ledger

Alternate Detail A

- Lap underlayment a minimum of 18" under existing roofing felts
- Solid 2x blocking on 2x12 or greater
- Roof tie downs required

Detail B

- Solid 2x blocking on 2x12 or greater
- Roof tie down 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.

Detail C

- Minimum 3 1/2" concrete slab
- 1" Galvanized column base w/ 1" spacer to concrete
- 8" minimum diameter concrete caisson
- Anchor bolt 7" minimum penetration

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
- Anchor bolt 7" minimum penetration
- 3'-0" minimum

Footing

Isolate from Slab

Check local building department for swelling soils. Caissons may be required.

Alternate Detail A

- Existing wall
- Cont. 2x6 secured to existing roof with fasteners @ each rafter or truss

Alternate Detail B - 1 Hour Wall

- 2x facia
- No closer than 2 feet to property line
- 5/8" type "X" exterior gypsum board soffit

Alternate Detail C - 1 Hour Wall

- Isolate from Slab
- Anchor bolt 7" minimum penetration
- 3'-0" minimum
- Footing

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