Single Family Residential
Patio Covers & Carports

How to Use this Guide
Provide two sets of the required documents 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. Provide well and septic locations.

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

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

**DETAIL C**
- Solid 2x blocking
- Roof tie downs
- Galvanized metal post/beam connector

**DETAIL D**
- Roof tie downs
- Solid 2x fire blocking
- 2x facia
- Exterior siding
- Infill between posts w/ 2x4's @ 16" O.C.
- MUST PROVIDE 2 SIDES OPEN MINIMUM FOR CARPORTS

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

**DETAIL F**
- Minimum 3 1/2" concrete slab
- Galvanized column base w/ 1" spacer to concrete
- Isolate from Slab
- Check local building department for swelling soils. Caissons may be required.
- Anchor bolt 7" minimum penetration
- #4 Rebar
- 20" minimum
- Footing

(See more details on page 3)
FRAMING LAYOUT PLAN

ROOFING MATERIALS: (CHECK ONE)

☐ 3-Ply built-up roof w/mineral cap sht. over 15# felt over 7/16" OSB, 24/0 span index, with 8d nails at 8" O.C. edges and 12" O.C. field.

☐ Min. ___ ga. corrugated painted roofing over 7/16" OSB, 24/0 span index, with 8d nails at 6" O.C. edges and 12" O.C. field.

☐ Interlocking painted steel panels, ___ ga. thickness, with ______ max. span distance and attachment per manufacturer engineering data.

NOTES:

1. Structures that are free standing or extended out from adjacent buildings ≥ 75% of the width shall be constructed with columns anchored in concrete (per detail K) or adequately braced wood construction (per detail K).

2. Sewer lines under structure must be cast iron or PVC schedule 40.

3. Power lines to be 3'-0" above wood roof and 8'-0" above metal roof.

PROJECT ADDRESS:

__________________________________________________________

DATE:

__________________________________________________________
Single Family Residential Patio Covers & Carports

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 pages 2 & 3 will be used. Please note if any of the sides of your carport addition are closer than 10' to the property line. You must 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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**Roof covering**
(example: Class A 3 tab shingles)

**Underlayment**
(example: 2 layers 15# felt)

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

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**PATIO SECTION**

Existing building

**Detail**
SEE PAGES 2 & 3

**Maximum rise 7 3/4" at door**

**Detail**
SEE PAGES 2 & 3

**Isolate from Slab**
Slope 1/4" per foot minimum

**Concrete Slab**
Minimum Diameter Pier 8"

**Overhang**
Beam splices to occur over posts with 1 1/2 bearing

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**Beam**
(example: (2) 2 x 10"

**Span**
(example: 12' 0"

**Siding**

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**"x" posts**
(example: 4 x 4"
spaced apart
(example: 6"

**Footing **"x"

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NAME:
ADDRESS:
PHONE:
PERMIT NUMBER: