For information on obtaining a permit for a patio cover and completing these drawings see Page 4.

On Page 5, provide complete plot plan with following information:
1. Show the location of the proposed patio cover on the plot plan below showing its size, area and distance to property lines. Also show the location and spacing of the supporting posts.
2. Show any other structures in the same yard as the proposed patio cover, such as pools, retaining walls, accessory buildings and oak trees. Dimension these items from the patio cover.
3. Show any hillsides on your property that exceed a slope of 3 horizontal to 1 vertical (3:1). Show the distance from the top or bottom of these slopes to the proposed patio cover. Indicate on the plan the slope of the grade and the vertical height of the slope from top to bottom.
4. Setbacks: show proposed setbacks to all property lines.

PROPERTY OWNER:  
PROPERTY ADDRESS:  
DATE:  
SCALE: 

REAR PROPERTY LINE

10'

10'

15'

PROPOSED PATIO COVER 10' x 5'

EXISTING DWELLING

SAMPLE

SIDE PROPERTY LINE

FRONT PROPERTY LINE

SIDE PROPERTY LINE
Typical Roofed Patio Cover

SECTION VIEW

- Roof covering:
- Roof rafters: "X" @ O.C.
- Ledger: "X"
- Rafter span = "X"
- (12'0" Maximum)
- 2" min. clearance between weep screed & slab
- 3 1/2" patio slab
- Detail "D" see page 3
- Supporting beam
- Post size: "X" (4" x 8" minimum)

FOOTING SIZE | MAX. SUPPORTED ROOF AREA
-------------|-----------------------------
12" x 12"    | 70 sq. ft.
16" x 16"    | 150 sq. ft.
(Circular footing size to be used. All footings are 12" deep.)

ALLOWABLE ROOF AREA SUPPORTED AT EACH KNEE BRACE

ROOF ASSEMBLY

- Light: 35 sq. ft.
- Heavy: 22 sq. ft.

*See sheet 4 for definitions

DETAIL "C" see page 3

MAXIMUM OVERHANG = 1/8 of span of beam with 48" max. and at least 3 feet from property line

BEAM SIZE: "X"

4" x 6" knee braces at each post

BEAM SPAN = "X"

FRONT VIEW

PROPERTY OWNER:

PROPERTY ADDRESS:

PAGE: 2 OF 5

DATE:

SCALE:
Typical Roofed Patio Cover

**LEDGER CONNECTION - "A"**

- Flashing & Hauling Bead
- Boundary Nails @ 6" O.C. to Ledger
- Approved Roof Covering Over Plywood 1" Roof Sheathing
- (2) 1/2" x 6" Lag Bolts at 10" O.C.
- Note: Lag Bolts Must Go Into 2x Wood Frames. (Verified on Site)
- Lag Bolts Shall Be Installed With Standard Washers Into 3/8" Pre-drilled Holes
- Approved Hanger
- Continuous Ledger 2x Depth of Rafters
- Existing Stucco Wall

**RAFTER TO BEAM DETAIL - "B"**

- Approved Roof Covering Over Sheathing
- Note: Roof Tile Not Permitted
- Boundary Nails at 8" O.C., to 2x Blk/G
- 18 GA Framing Clp Each Rafter W/ 3 - #8 Each Leg
- 3 - 6d Tornails @ Rafter To Beam and At 8" RC To Beam
- Supporting Beam (See Figure)
- Post (See Section)
- Maximum Overhang Backspans
- Fascia Board (Optional)

**KNEEBRACING DETAIL - "C"**

- Note: Bolt Heads Shall Be Counter Sunk.
- 5/8" Thrust Bolt When Knee Brace Occurs on Both Sides
- Brace and Beam As Occurs at Intermediate Post
- 5/8" Thrust Bolt When Knee Brace Occurs on Both Sides
- Brace and Beam As Occurs at Intermediate Post

**TYPICAL FOOTING DETAIL - "D"**

<table>
<thead>
<tr>
<th>F.Z.</th>
<th>ALLOWABLE RAFTER SPANS</th>
<th>N.F.Z.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Rafter Spacing</td>
<td>Rafter Span</td>
</tr>
<tr>
<td>2&quot; x 4&quot;</td>
<td>16&quot;</td>
<td>9'-6&quot;</td>
</tr>
<tr>
<td></td>
<td>24&quot;</td>
<td>8'-4&quot;</td>
</tr>
<tr>
<td>2&quot; x 6&quot;</td>
<td>24&quot;</td>
<td>13'-1&quot;</td>
</tr>
<tr>
<td></td>
<td>32&quot;</td>
<td>11'-4&quot;</td>
</tr>
<tr>
<td></td>
<td>48&quot;</td>
<td>10'-0&quot;</td>
</tr>
<tr>
<td>2&quot; x 8&quot;</td>
<td>24&quot;</td>
<td>17'-4&quot;</td>
</tr>
<tr>
<td></td>
<td>32&quot;</td>
<td>15'-0&quot;</td>
</tr>
<tr>
<td></td>
<td>48&quot;</td>
<td>13'-0&quot;</td>
</tr>
</tbody>
</table>

**BEAM SPANS**

<table>
<thead>
<tr>
<th>Beam Size</th>
<th>With Rafter Spans...</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; x 4&quot;</td>
<td>6'-0&quot;</td>
</tr>
<tr>
<td>4&quot; x 6&quot;</td>
<td>9'-6&quot;</td>
</tr>
<tr>
<td>4&quot; x 8&quot;</td>
<td>12'-6&quot;</td>
</tr>
<tr>
<td>4&quot; x 10&quot;</td>
<td>15'-0&quot;</td>
</tr>
<tr>
<td>4&quot; x 12&quot;</td>
<td>19'-0&quot;</td>
</tr>
<tr>
<td>4&quot; x 14&quot;</td>
<td>22'-0&quot;</td>
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<tr>
<td>5&quot; x 8&quot; #1</td>
<td>15'-0&quot;</td>
</tr>
<tr>
<td>6&quot; x 10&quot; #1</td>
<td>22'-6&quot;</td>
</tr>
<tr>
<td>6&quot; x 12&quot; #1</td>
<td>25'-0&quot;</td>
</tr>
</tbody>
</table>

**PROPERTY OWNER:**

**PROPERTY ADDRESS:**

**PAGE: 3 OF 5**

**DATE:**

**SCALE:**
**Typical Roofed Patio Cover**

**INSTRUCTIONS:**
1. A building permit for a patio cover may be obtained using this O.C. standard drawing. Simply provide plot plan and fill in the blanks and information requested on these plans.
2. Complete an "Application for a Building Permit" and present it with these plans to a permit specialist.
3. Deviation from the construction and designs shown in these drawings will require complete plans details and must be reviewed by a County Plan-Check Engineer prior to obtaining a building permit. Approval by a Registered Architect or Engineer may be required.

**GENERAL INFORMATION:**
1. A patio cover is an accessory structure that does not exceed 12-feet in height above the average grade plane.
2. Patio covers shall be used for recreational, outdoor living purposes only and shall not be used as carports, garages, storage rooms or habitable rooms.
3. Patio covers must be accessory to a single-family dwelling or individual dwelling unit in a multiple-dwelling building.
4. Patio covers may be partially enclosed provided the area of the longer wall and one additional wall is at least 65% open. Opening may be enclosed with insect screening or readily removable plastic (translucent or transparent) up to 1/8-inch thick. Framed windows are not permitted.
5. Construction details in this standard may not comply with Fire Hazard Zone construction requirements. See www.ocfa.org for more information on Fire Hazard Zones and construction requirements.

**MATERIALS:**
1. WOOD shall be grade marked Douglas Fir Larch No. 2 or better.
2. CONCRETE shall have a minimum strength of 3000 psi in 28 days.
3. FRAMING HARDWARE shall be ICC approved for the intended use and installed per manufacturers' specifications using all recommended fasteners.
4. ROOF SHEATHING shall be continuous over 2 or more rafters spans, face grain shall be perpendicular to

<table>
<thead>
<tr>
<th>SHEATHING</th>
<th>SPAN RATING</th>
<th>MAX SPAN</th>
<th>NAILING</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot; STRUCTURAL PLYWOOD OR OSB</td>
<td>24&quot; 0&quot; O.C</td>
<td>24&quot; 0&quot; O.C</td>
<td>8d COMMON</td>
</tr>
<tr>
<td>6/16&quot; STRUCTURAL PLYWOOD OR OSB</td>
<td>48&quot; 0&quot; O.C</td>
<td>32&quot; 0&quot; O.C</td>
<td>10d COMMON</td>
</tr>
<tr>
<td>3/4&quot; STRUCTURAL PLYWOOD OR OSB</td>
<td>48&quot; 0&quot; O.C</td>
<td>28&quot; 0&quot; O.C</td>
<td>10d COMMON</td>
</tr>
<tr>
<td>1 1/2&quot; STRUCTURAL PLYWOOD OR OSB</td>
<td>60&quot; 0&quot; O.C</td>
<td>48&quot; 0&quot; O.C</td>
<td>10d COMMON</td>
</tr>
<tr>
<td>1 NOMINAL LUMBER</td>
<td>24&quot; 0&quot; O.C</td>
<td>2-3/4&quot; AT EACH LAP</td>
<td></td>
</tr>
</tbody>
</table>

(All nail spacing for plywood sheathing shall be 6" on center at edges and 12" on center in field)

5. ROOF COVERING shall be Class B or better fire retardant.
6. LIGHT ROOF ASSEMBLIES include asphalt or fiberglass shingles, cap sheets, built-up roof and hot-mopped roofs without stucco ceiling or softlits.
7. HEAVY ROOF ASSEMBLIES BY ROOF ASSEMBLIES include concrete tile roofing (10 psf max.) without stucco ceiling, or lightweight roofing with stucco ceiling.

**REQUIRED INSPECTIONS:**
1. FIRST INSPECTION shall be after excavation for the footings (before any concrete is poured).
2. SECOND INSPECTION shall be at the framing inspection when all framing has been complete. The roof sheathing and nailing will be inspected at this time.
3. THIRD INSPECTION will be the final inspection after the roof covering has been installed. Exposed wood has been weather protected.

**PLEASE READ AND SIGN:**
The owner and/or contractor, as applicant for this permit has read and understands the information on this page and agrees to construct the proposed patio cover as shown on these plans, and these plans are not for patio cover within fuel modification zone or Wildland Urban Interface Fire Area. Noncombustible construction may be required.

**PROPERTY OWNER:**

**PROPERTY ADDRESS:**

**PAGE: 4 OF 5**

**DATE:**

**SCALE:**