



## Patio Cover Design Guide Attached to House

City of Reno Building and Safety Division

### **DESIGN CRITERIA - DESIGN ADEQUATE TO 5,000 FT. ELEVATION**

- |                          |                  |                  |
|--------------------------|------------------|------------------|
| <input type="checkbox"/> | SEISMIC ZONE     | D2               |
| <input type="checkbox"/> | WIND SPEED       | 120 MPH          |
| <input type="checkbox"/> | GROUND SNOW LOAD | 50 PSF           |
| <input type="checkbox"/> | CONCRETE         | 1500 PSF ASSUMED |

### **STANDARDS**

- WESTERN WOOD ASSOCIATION
- CURRENT ADOPTED - INTERNATIONAL RESIDENTIAL CODE - IRC
- ALL HARDWARE ARE TO BE SIMPSON STRONG TIE OR EQUAL

### **MINIMUM REQUIRED ITEMS**

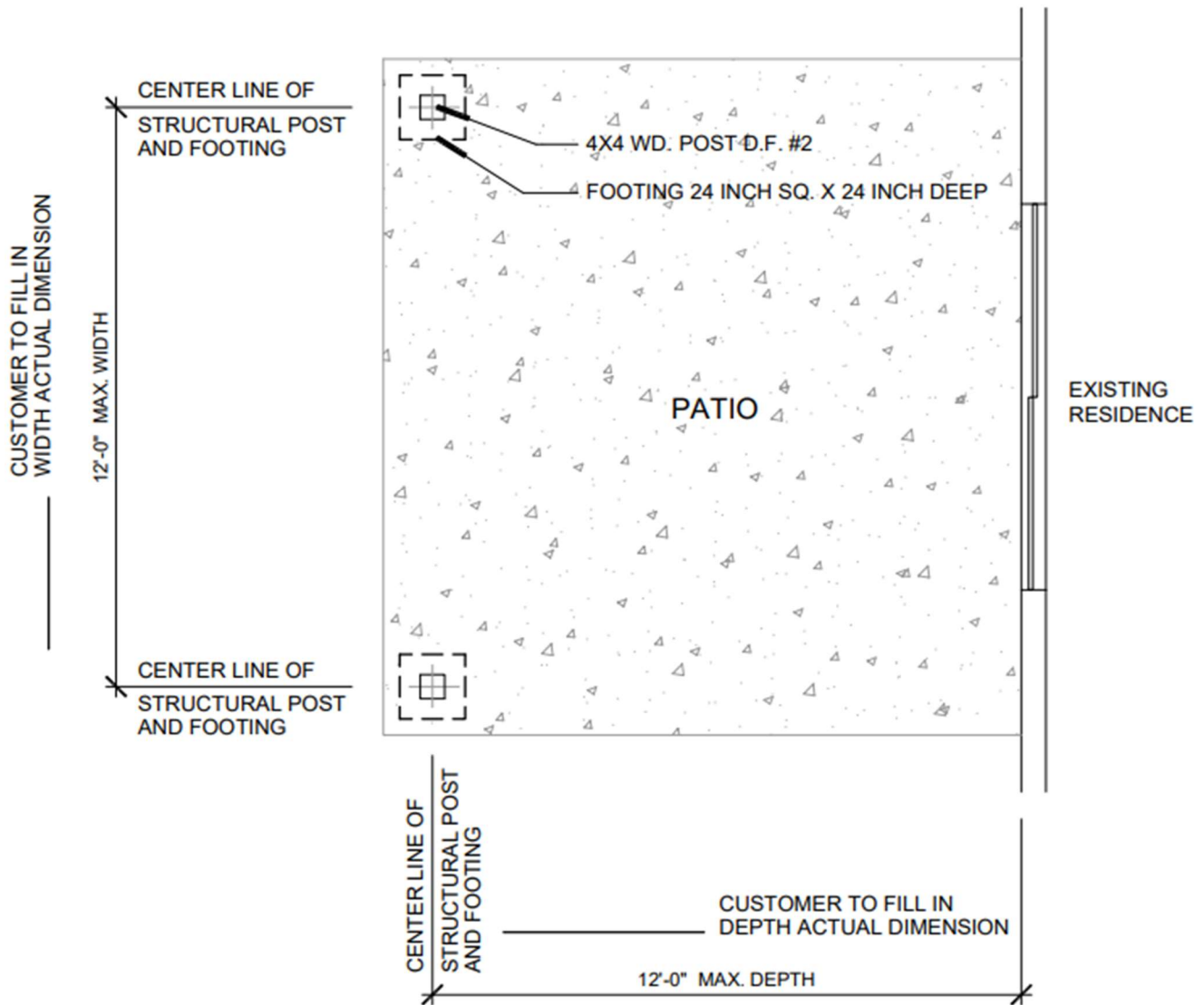
- RESIDENTIAL APPLICATION
- OWNER / BUILDER APPLICATION
- SITE PLAN
- PATIO FLOOR / FOUNDATION PLAN
- PATIO SECTION
- PATIO ROOF FRAMING PLAN
- THESE PLANS / DOCUMENTS MAY BE USED IN LIEU OF DRAFTING PLANS AS LONG AS THE BLANKS ARE FILLED OUT BY THE CUSTOMER ON THE FOUNDATION PLAN.

### **SPECIFICATIONS**

- LEDGER – MINIMUM SIZE OF 2X8 DF #2 TO MATCH ROOF RAFTERS
- ROOF RAFTERS – 2X8 DF #2 WITH A MAXIMUM SPAN OF 12 FT.
- OVERHANG – MAXIMUM OF 24"
- 4x4 WD. POST D.F. #2
- MAIN BEAM – 4X10 MIN. DF #1
- FOOTING – 24" SQ X 24" DEEP
- POST BASE CAP – PB44
- POST CAP – PCZ
- RAFTER HANGERS – LUS28 OR LU28
- RAFTER CLIPS FOR UPLIFT – H1 OR H2.5
- LEDGER CONNECTION – TWO 1/4" SDS SCREWS OR TWO 3/8" LAG BOLTS  
AT 16" O.C. W/ MIN 3" EMBED IN TO FRAMING
- SOLID ROOF – OSB OR EXTERIOR GRADE PLYWOOD
- ROOFING – CLASS "A" ASPHALT SHINGLES, METAL ROOF OR MOD BITUMEN
- ALL HARDWARE TO BE SCREWS OR NAILS SPECIFIED BY MANUFACTURER



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DESIGN NOTE:  
PATIO WIDTH SHALL BE EQUAL TO OR GREATER THAN PATIO DEPTH

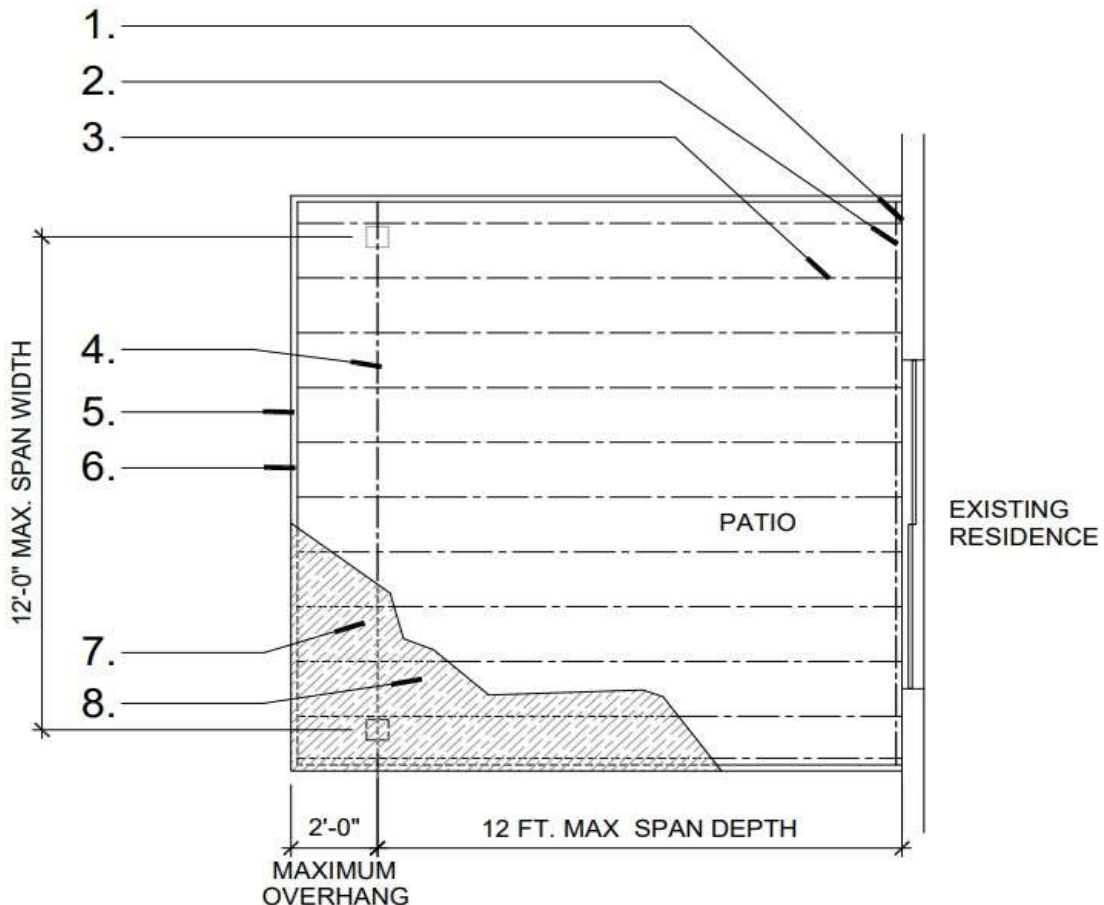
## FLOOR PLAN



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1. WALL FLASHING AND WATER PROOFING
2. 2x8 LEDGER D.F. #2 w/ 2 SD SCREWS x 5 IN. @ 16 INCHES O.C. FOR STUCCO INTO WALL FRAMING OR 2x8 LEDGER D.F. #2 w/ 2 SD SCREWS x 4 IN. @ 16 INCHES O.C. FOR SIDING INTO WALL FRAMING
3. 2x8 ROOF RAFTER D.F. #2
4. 4x10 WOOD BEAM D.F.#1
5. DRIP EDGE CONTINUOUS
6. FASCIA BOARD
7. 2:12 MIN. ROOF PITCH w/ COMP SHINGLES, STANDING SEAM METAL ROOF OR MOD BITUMEN
8. 5/8 INCH EXTERIOR GRADE OSB SHEATHING OR EXTERIOR GRADE PLYWOOD



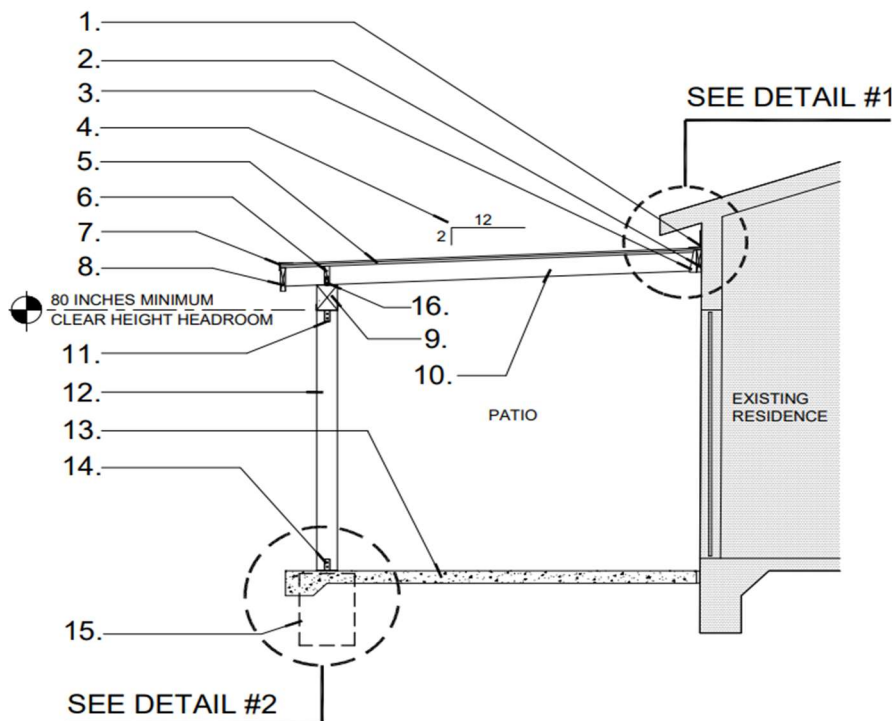
### ROOF FRAMING PLAN



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3. LU28 OR LUS 28 JOIST HANGER
4. 2:12 MIN. ROOF PITCH w/ COMP SHINGLES OR STANDING SEAM METAL ROOF / MOD BITUMEN
5. 5/8 EXTERIOR GRADE OSB SHEATHING OR EXTERIOR GRADE PLYWOOD
6. 2x8 FULL HEIGHT BLOCKING
7. METAL EDGE FLASHING
8. FASCIA BOARD
9. 4x10 BEAM D.F. #1
10. 2x8 ROOF RAFTERS D.F. #2 W/ MAX SPAN OF 12 FT.
11. PCZ OR EPCZ
12. 4X4 WD. POST D.F. #2
13. FINISH GRADE OR SLAB
14. PB44
15. 24 INCH x 24 INCH DEEP CONCRETE FOOTING
16. H1 OR H2.5 HURRICANE TIES AT EA. RAFTER



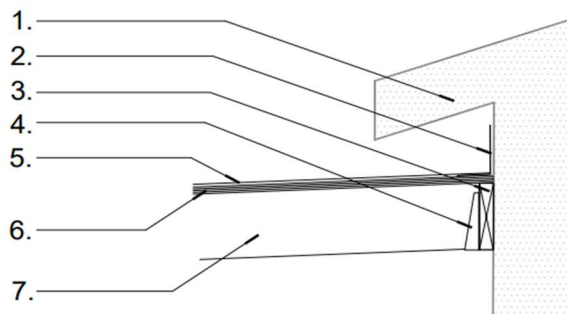
### PATIO SECTION



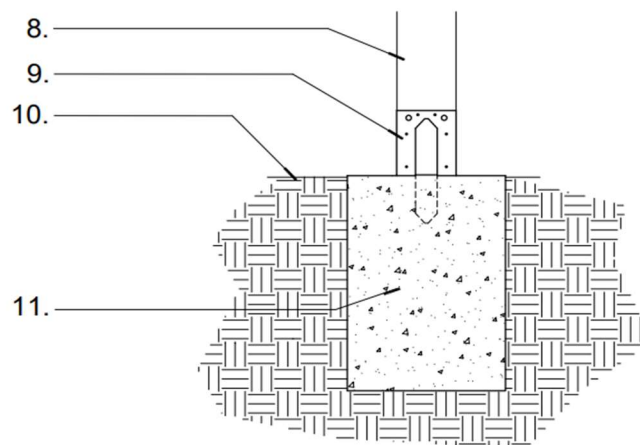
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### City of Reno Building and Safety Division

1. EXISTING HOUSE CONSTRUCTION
2. WALL FLASHING AND WATER PROOFING
3. 2x8 LEDGER D.F. #2 w/ 2 SD SCREWS x 5 IN. @ 16 INCHES O.C. FOR STUCCO INTO WALL FRAMING OR 2x8 LEDGER D.F. #2 w/ 2 SD SCREWS x 4 IN. @ 16 INCHES O.C. FOR SIDING INTO WALL FRAMING
4. LU28 OR LUS 28 JOIST HANGER
5. 2:12 MIN. ROOF PITCH w/ COMP SHINGLES, STANDING SEAM METAL ROOF, MOD BITUMEN OR VERIFY MFR. SPECS.
6. 5/8 EXTERIOR GRADE OSB SHEATHING OR EXTERIOR GRADE PLYWOOD
7. 2x8 ROOF RAFTERS D.F. #2 W/ MAX SPAN OF 12 FT.
8. 4X4 WD. POST D.F. #2
9. PB44
10. FINISH GRADE OR SLAB
11. 24 INCH x 24 INCH DEEP CONCRETE FOOTING



**DETAIL #1 - WALL CONNECTION**

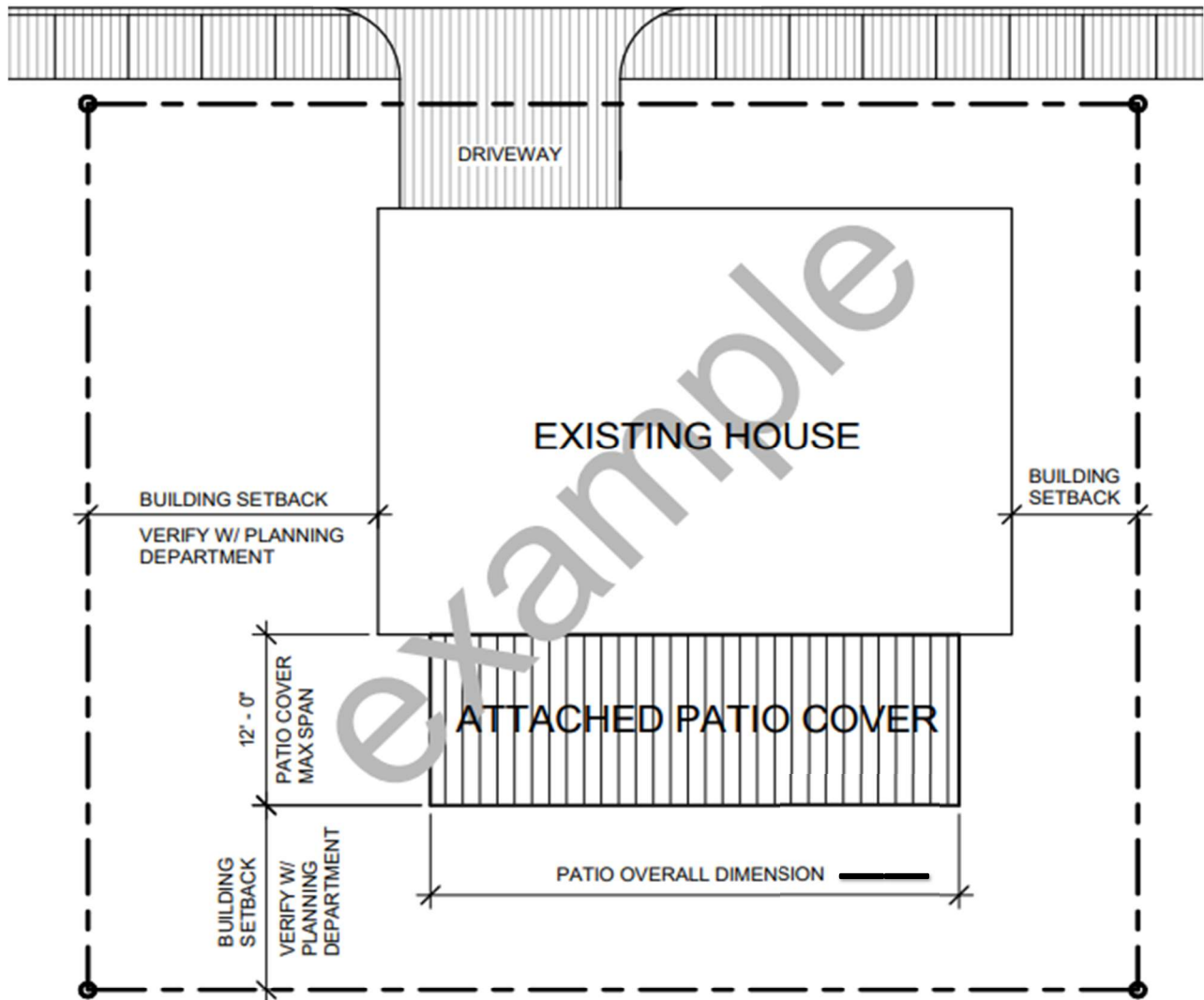


**DETAIL #2 - FOOTING DETAIL**



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STREET NAME  
ADD YOUR ADDRESS HERE



- OWNERS NAME AND ADDRESS IS REQUIRED ON THIS DOCUMENT

## PATIO COVER SITE PLAN





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**CUSTOMER SKETCHED SITE PLAN - SHALL BE LEGIBLE**