



# RESIDENTIAL PATIO COVER PLANS

CONTRACTOR: \_\_\_\_\_  
HOME OWNER: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY: \_\_\_\_\_  
PHONE #: \_\_\_\_\_

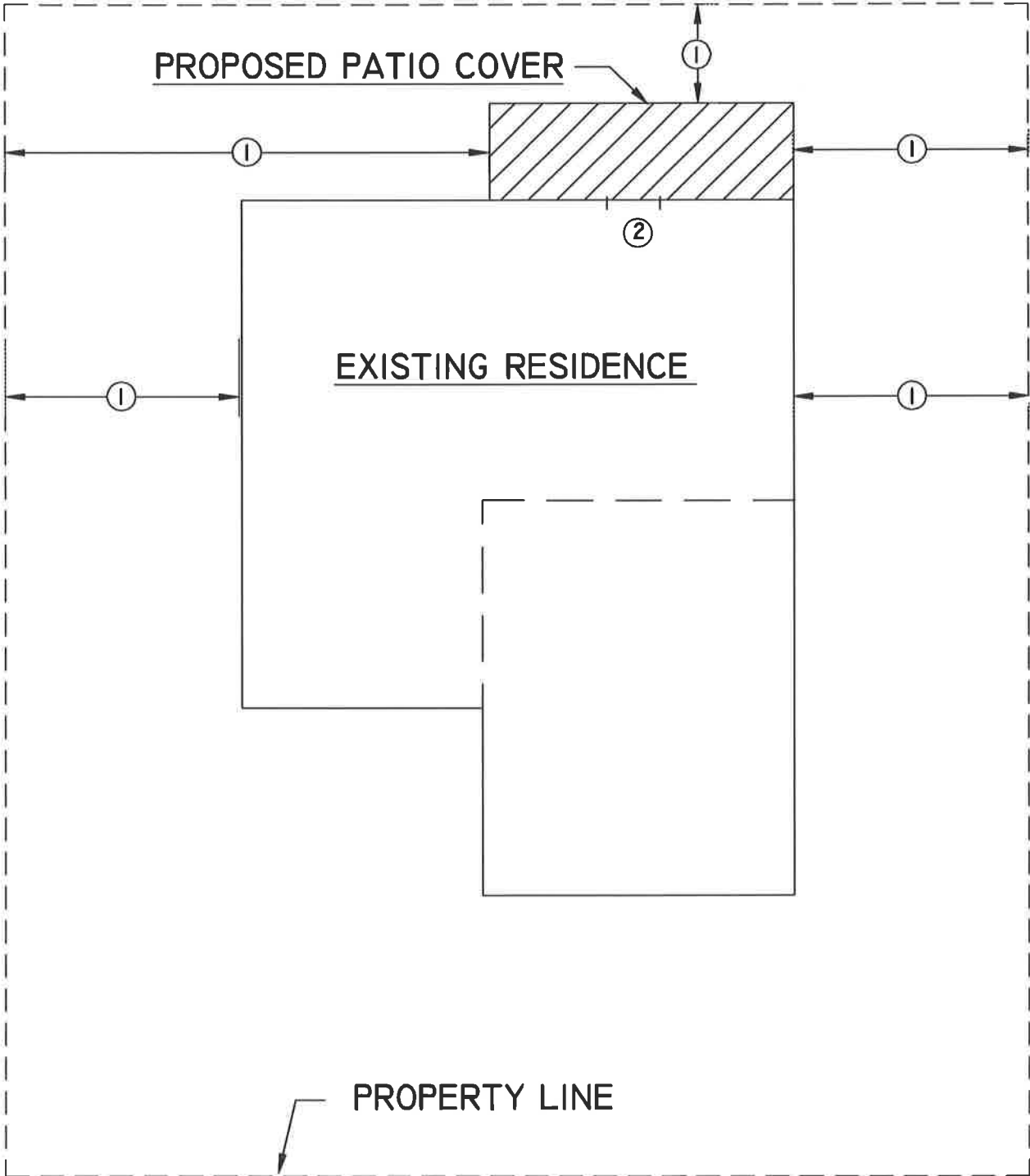
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**NOTE:**  
THE FOLLOWING PAGES CONTAIN DRAWINGS OF A TYPICAL PATIO STRUCTURE. THESE DRAWINGS ARE PROVIDED AS A COURTESY TO STANISLAUS COUNTY RESIDENCES AND ARE NOT DESIGNED AS AN ENGINEERED PRODUCT. PLEASE FILL IN ALL APPROPRIATE DATA PERTAINING TO RAFTER, BEAM AND FOOTING SIZES ACCORDING TO THE TABLES PROVIDED.



# PATIO COVER SITE PLAN



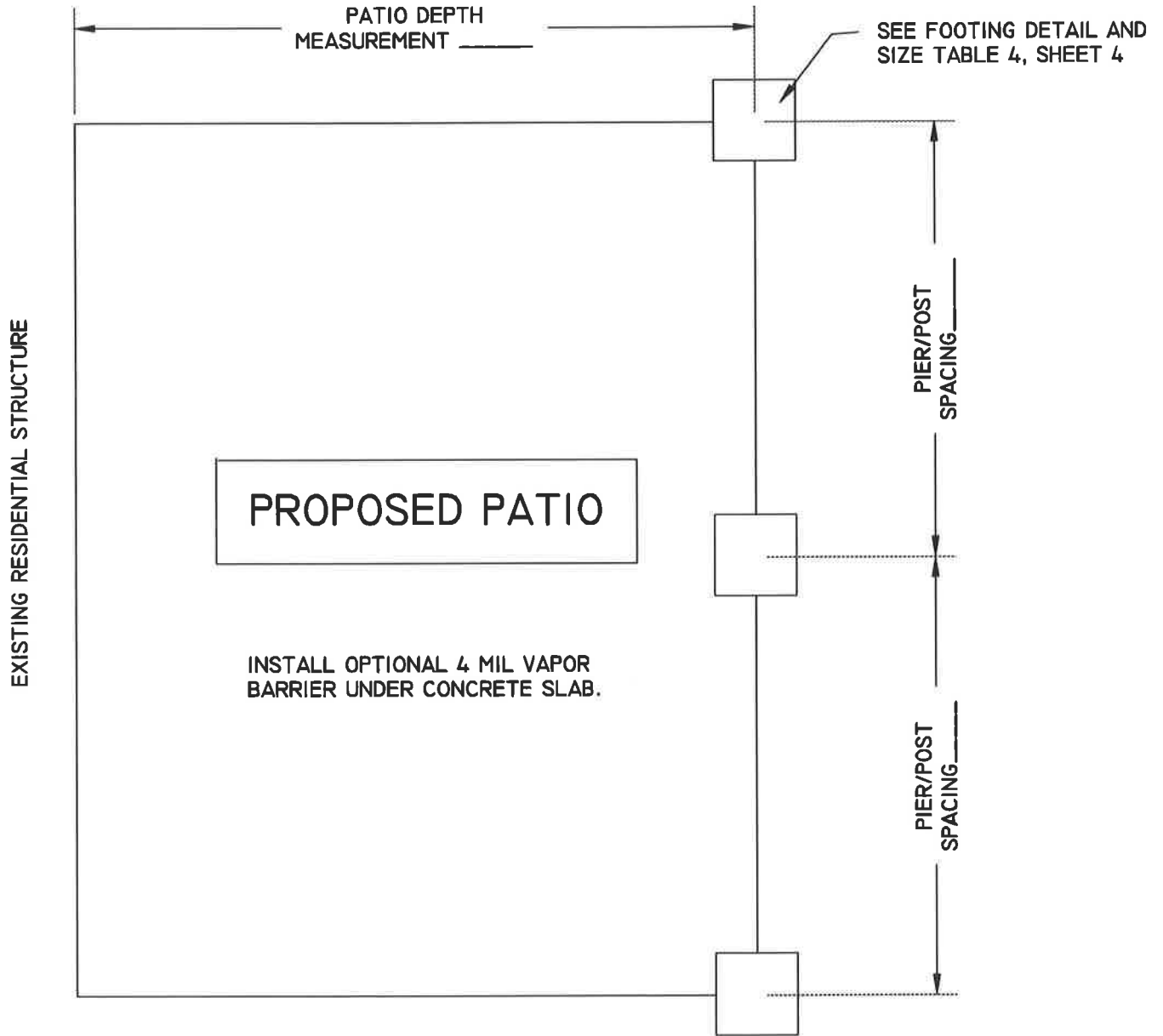
## NOTE: INFORMATION REQUIRED

- ① SPECIFY DISTANCE (MIN 5 FT.)
- ② SPECIFY WINDOW SIZE IF ANY

RESIDENTIAL PATIO COVER  
SHEET 1 OF 6



# PATIO FLOOR/FOUNDATION PLAN

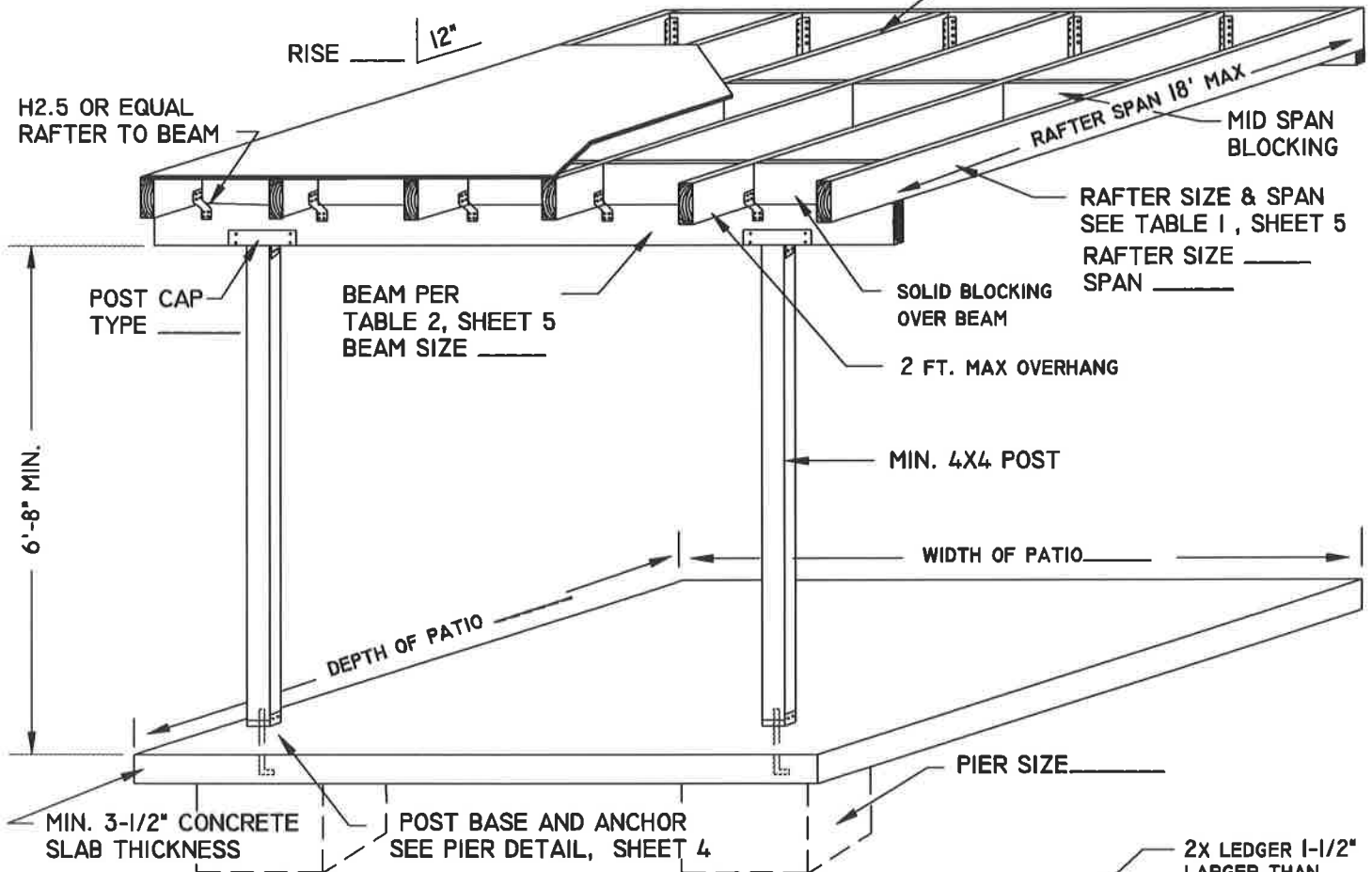


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SHEET 2 OF 6

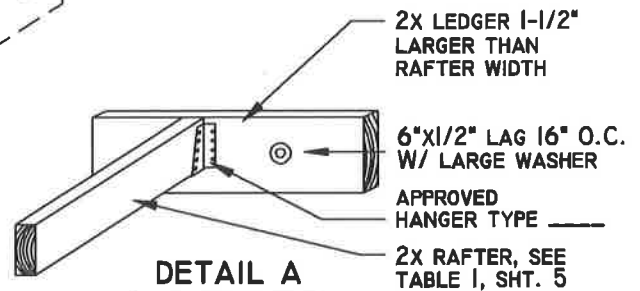
## TYPICAL RESIDENTIAL PATIO COVER CONSTRUCTION

ALL FASTENERS MUST MEET  
 CRC 602.3 TABLE 2, SCREWS  
 MUST BE APPROVED FASTENERS

RAFTER SPACING  
 \_\_\_\_\_ INCHES O.C.  
 SEE TABLE 1, SHEET 5



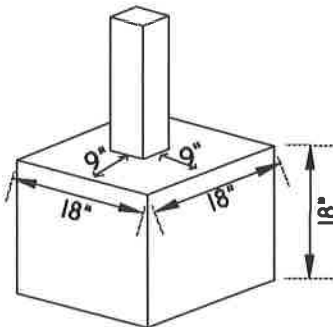
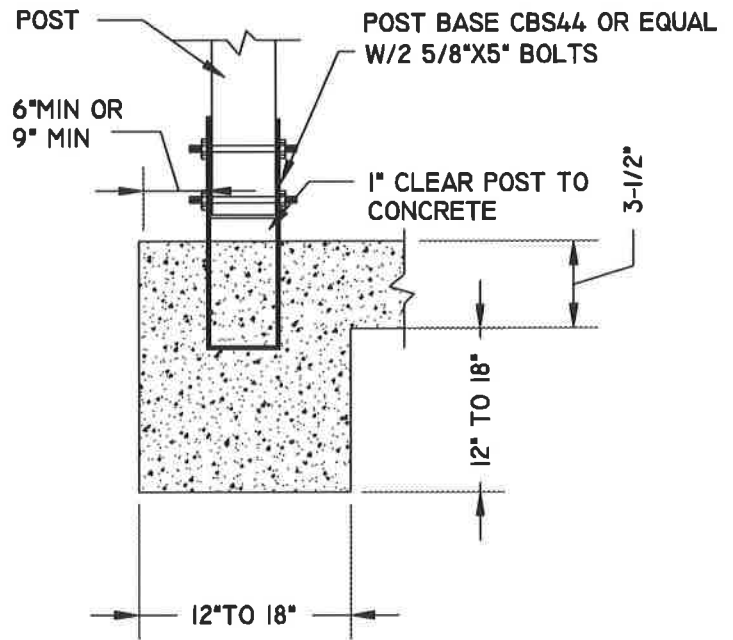
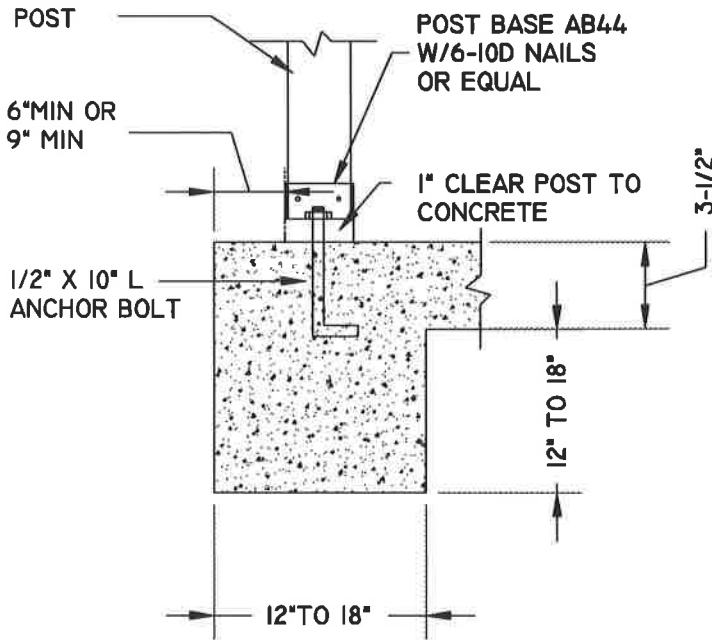
ROOFING MATERIAL PER CRC CH. 9 AND ALL APPLICABLE COUNTY ORDINANCES. SEE ROOF SHEATHING TABLE 3, SHEET 5.  
 ROOF SHEATHING TYPE PER CRC R503.2.1.1(I). (EXAMPLE: 1/2" CDX EXPOSURE I PLYWOOD, NAILED 6" O.C. EDGES, 12" O.C. FIELD, WITH 8d COMMONS.)



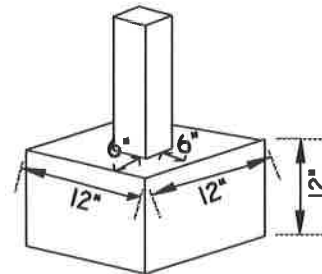
NO SCALE

RESIDENTIAL PATIO COVER  
 SHEET 3 OF 6

## RESIDENTIAL PATIO PIER DETAILS



18" SQUARE X 18" DEEP PIER FOR RAFTER SPANS 14' TO 18'



12" SQUARE X 12" DEEP PIER FOR RAFTER SPANS LESS THAN 14'

TABLE 4

REQUIRED PIER AND POST TABLE		
RAFTER SPAN	MINIMUM PIER SIZE	MINIMUM POST SIZE
UP TO 14'-0"	12"L X 12"W X 12" DEEP	4X4
14'-1" TO 18'-0"	18"L X 18"W X 18" DEEP	4X6

RESIDENTIAL PATIO COVER  
SHEET 4 OF 6

NO SCALE



## PATIO COVER TABLES

### TABLE 1

ALLOWABLE SPAN FOR RAFTERS PER CBC R802.5.1(I) ROOF PITCH 2 IN 12 OR GREATER*		
SIZE	SPACING	SPAN
2" X 4"	12"	9'-10"
2" X 4"	16"	8'-6"
2" X 4"	24"	6'-11"
2" X 6"	12"	14'-4"
2" X 6"	16"	12'-5"
2" X 6"	24"	10'-2"
2" X 8"	12"	18'-2"***
2" X 8"	16"	15'-9"
2" X 8"	24"	12'-10"

\* A ROOF PITCH LESS THAN 2 IN 12  
 REQUIRES THE RAFTERS TO BE SIZED AS BEAMS.  
 \*\* MAX. ALLOWABLE SPAN FOR THIS PATIO IS 18'-2".  
 ALL LUMBER DOUGLAS FIR NO.2 OR BETTER.

### TABLE 2

SIMPLE BEAM SPAN TABLE PER WWPA*	
DOUGLAS FIR #2 - LIVE LOAD=10LB/SQ FT - DEAD LOAD 10LB/SQ FT	
BEAM SIZE	MAXIMUM ALLOWABLE SPAN
4 X 6	6'-0" BETWEEN POST
4 X 8	8'-0" BETWEEN POST
4 X 10	10'-0" BETWEEN POST
4 X 12	12'-0" BETWEEN POST

WWPA = WESTERN WOODS PRODUCT ASSOCIATION

**MAXIMUM ALLOWABLE SPAN  
FOR THIS PATIO IS 18'-2".**

### TABLE 3

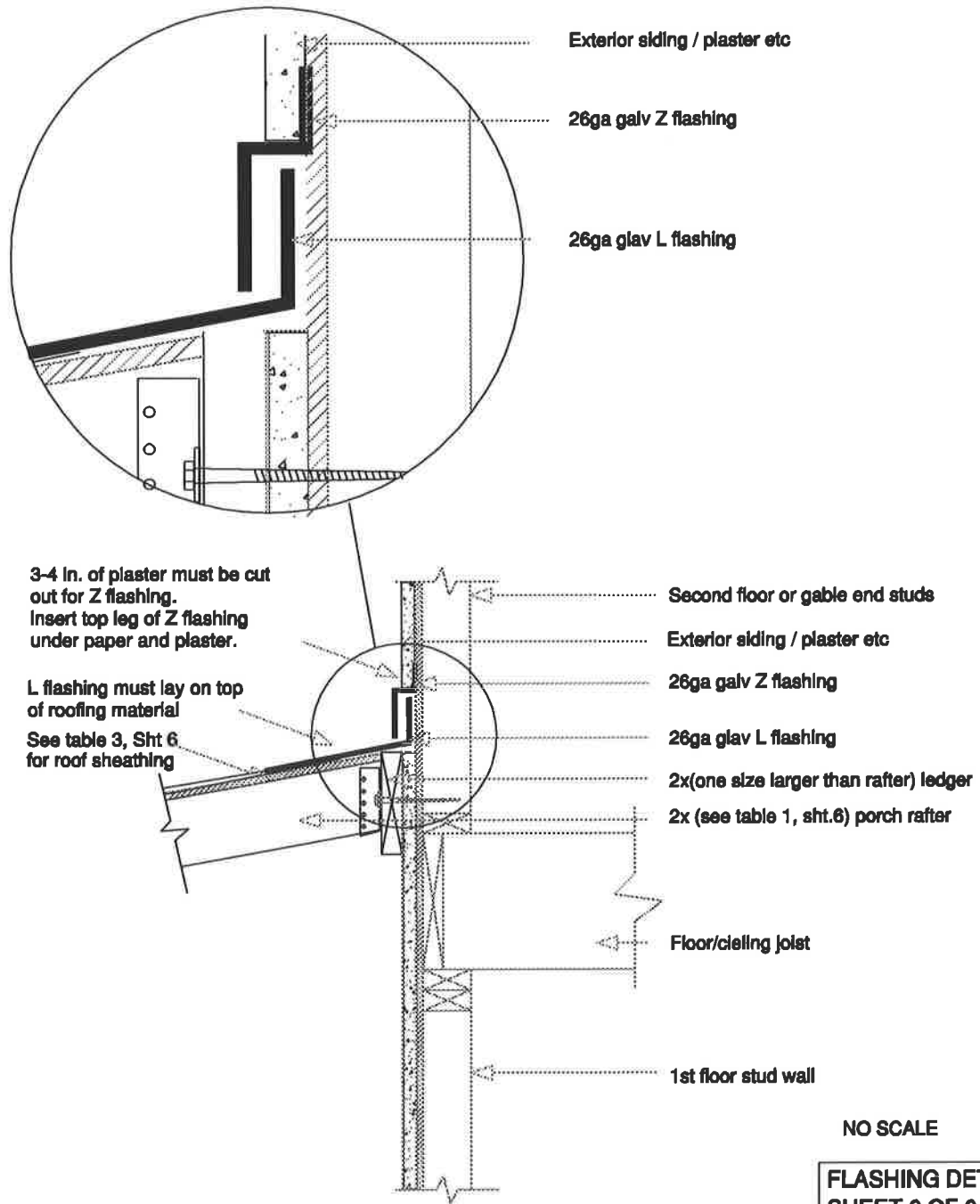
ROOF SHEATHING TABLE PER CBC R503.2.2.2(I)		
SPAN RATING	MINIMUM PANEL THICKNESS	MAXIMUM RAFTER SPACING
16/0	3/8"	16" O.C.
24/0	3/8"	24" O.C.
24/16	7/16"	24" O.C.
32/16	15/32", 1/2"	32" O.C.

#### REQUIRED INFORMATION

1. SPECIFY ROOFING MATERIAL.
2. SLOPE LESS THAN 2:12 REQUIRES ROLL ROOFING.
3. SLOPES GREATER THAN 2:12 MAY USE ASPHALT SHINGLES OR ROLL ROOFING.
4. FOR ROOF SLOPES OF 2 UNITS VERTICAL IN 12 UNITS HORIZONTAL (2:12), UP TO 4:12 DOUBLE FELT REQUIRED.
5. SPECIFY RAFTER SPACING AND SIZE (SEE TABLE 1, THIS SHEET).

RESIDENTIAL PATIO COVER SHEET 5 OF 6
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# PORCH OR PATIO ROOF TO WALL FLASHING SIDING OR PLASTER EXTERIOR



NO SCALE

**FLASHING DETAIL  
 SHEET 6 OF 6**