



RESIDENTIAL PATIO COVER PLANS

CONTRACTOR: _____
HOME OWNER: _____
ADDRESS: _____
CITY: _____
PHONE #: _____

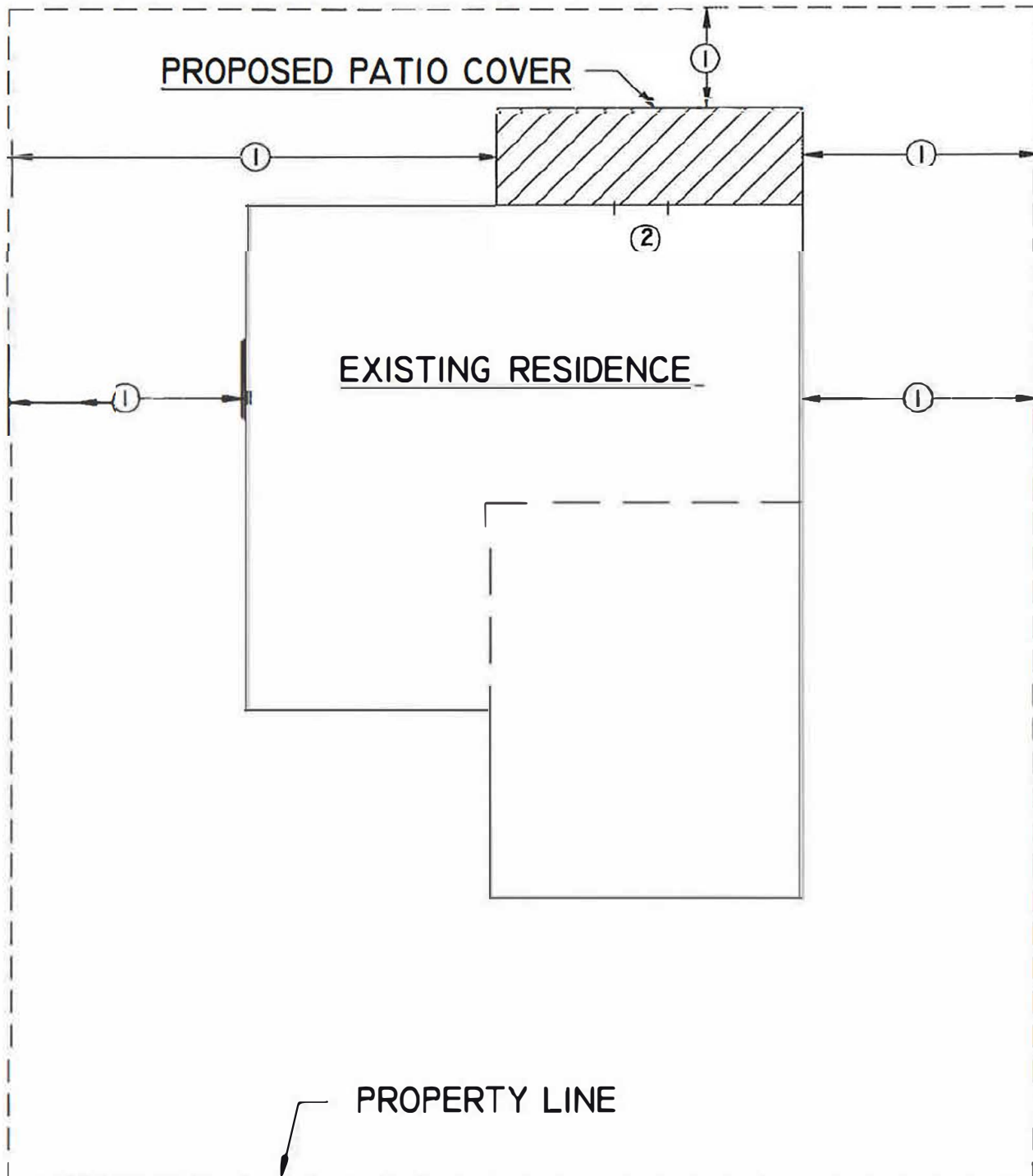
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NOTE:
THE FOLLOWING PAGES CONTAIN DRAWINGS
OF A TYPICAL PATIO STRUCTURE. THESE DRAWINGS
ARE PROVIDED AS A COURTESY TO STANISLAUS COUNTY
RESIDENCES AND ARE NOT DESIGNED AS AN ENGINEERED
PRODUCT. PLEASE FILL IN ALL APPROPRIATE DATA PERTAINING
TO RAFTER,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



PATIO COVER SITE PLAN



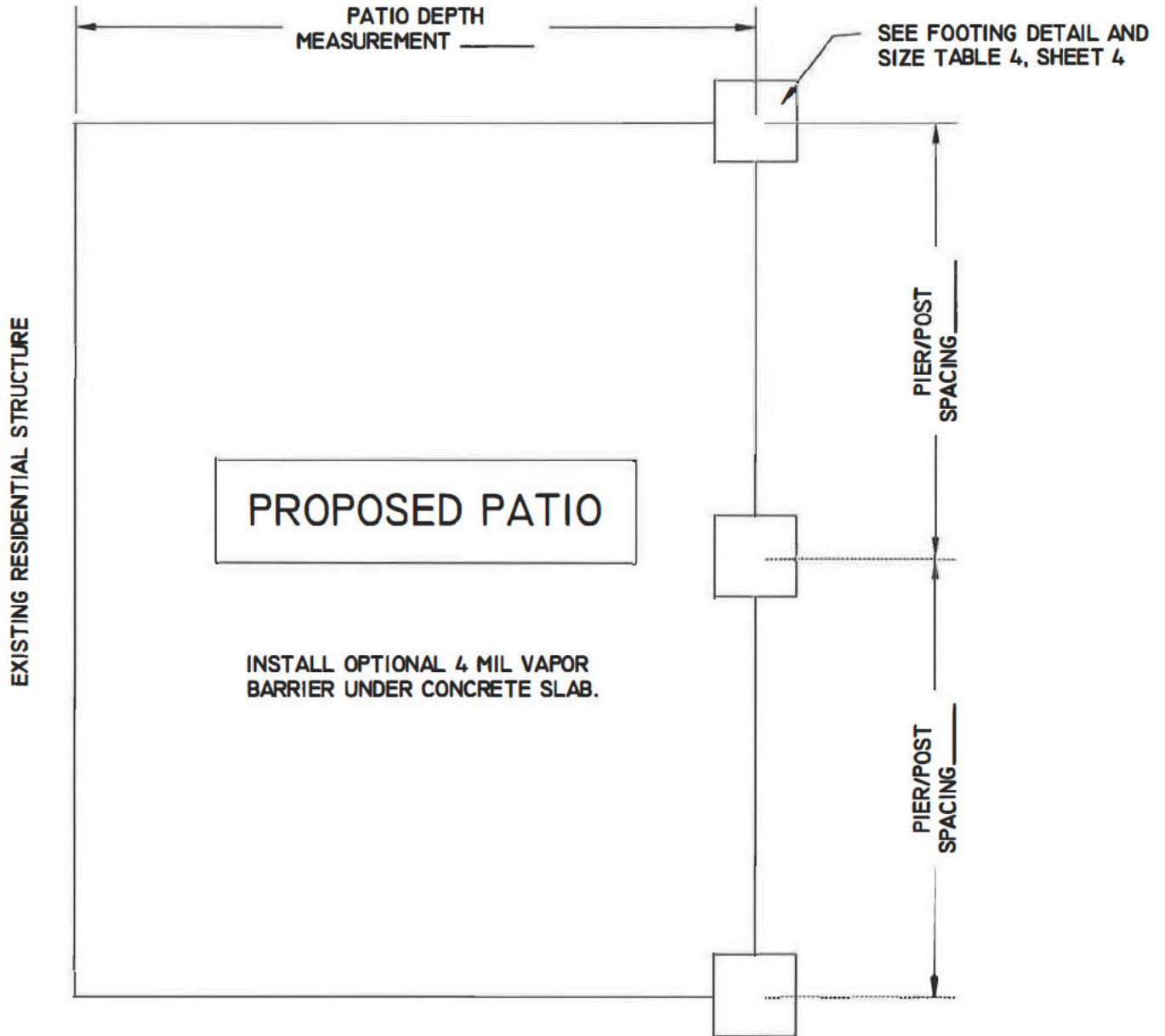
NOTE: INFORMATION REQUIRED

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

RESIDENTIAL PATIO COVER
SHEET 1 OF 6



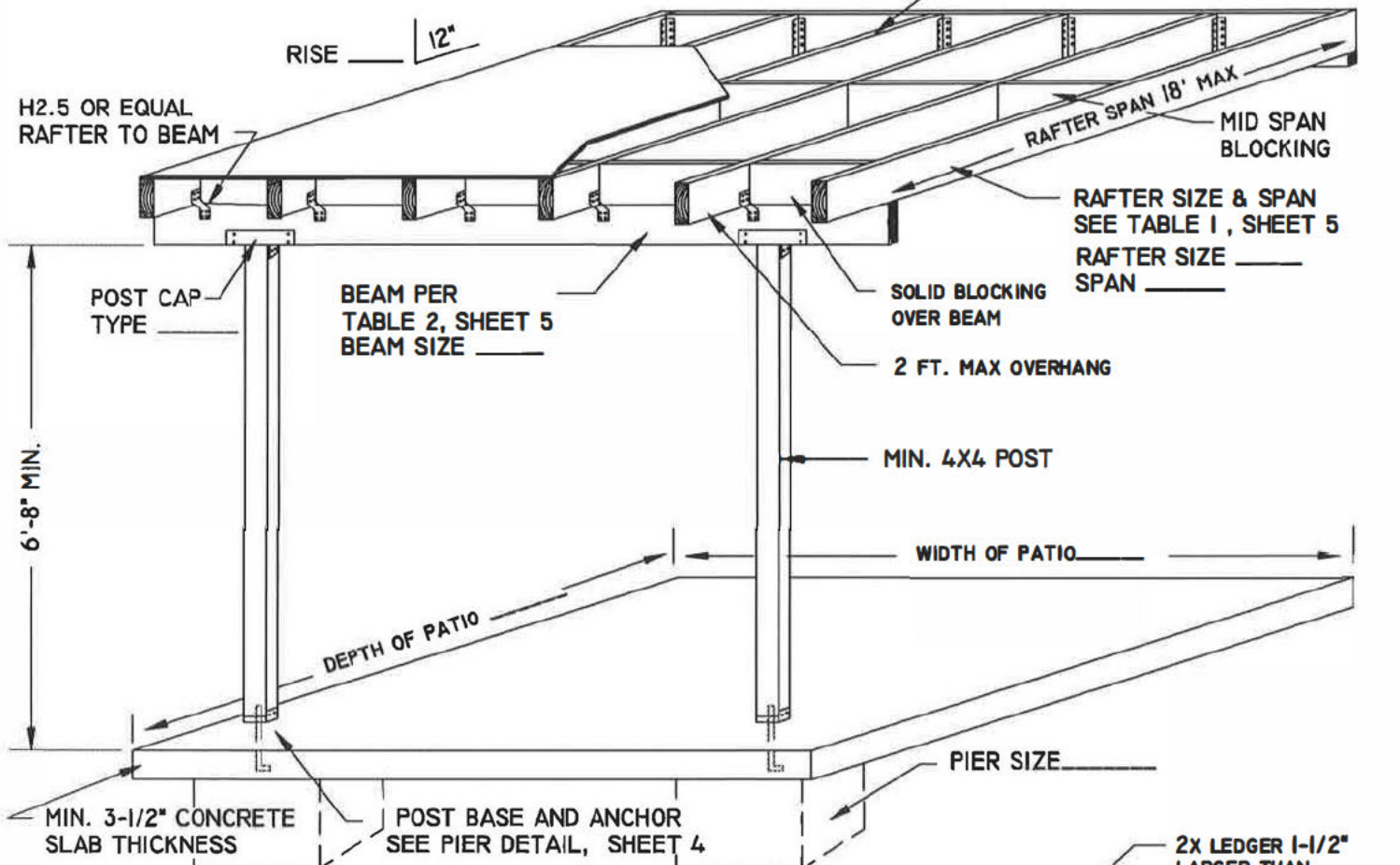
PATIO FLOOR/FOUNDATION PLAN



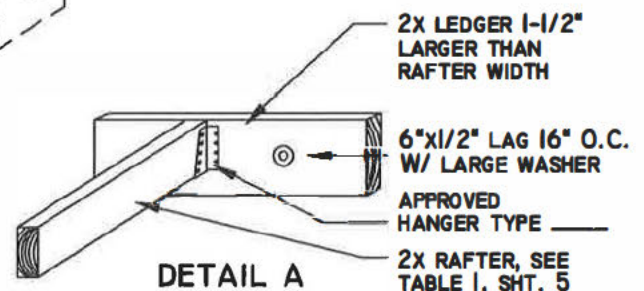
TYPICAL RESIDENTIAL PATIO COVER CONSTRUCTION

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

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



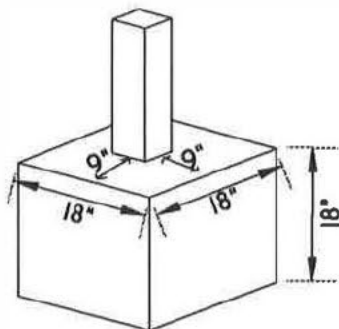
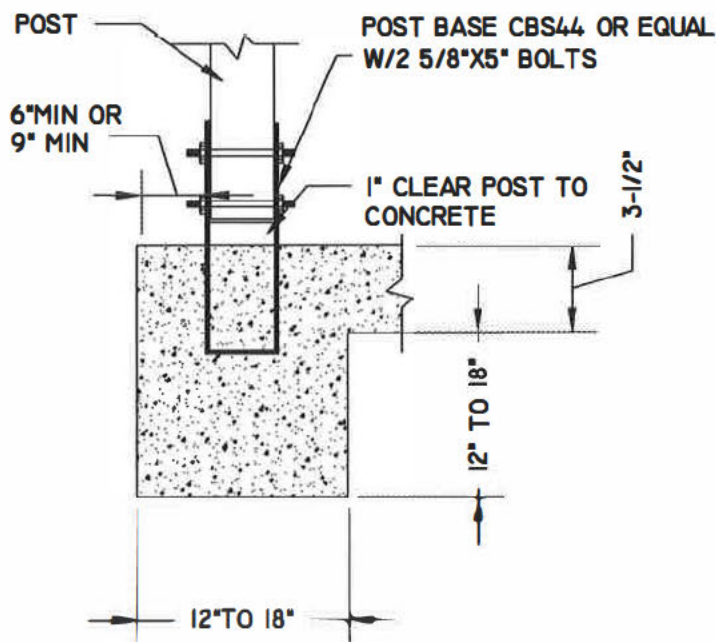
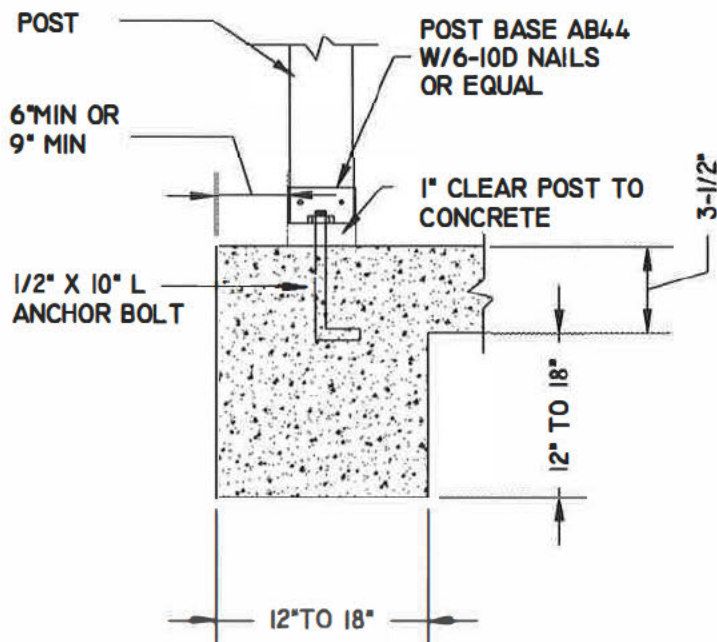
ROOFING MATERIAL PER CRC CH. 9 AND ALL APPLICABLE COUNTY ORDINANCES. SEE ROOF SHEATHING TABLE 3, SHEET 5.
ROOF SHEATHING TYPE PER CRC R503.2.1.1(I). (EXAMPLE: 1/2" CDX EXPOSURE 1 PLYWOOD, NAILED 6" O.C. EDGES, 12" O.C. FIELD, WITH 8d COMMONS.)



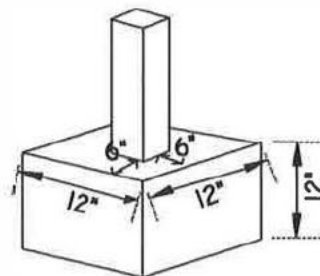
NO SCALE

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(1) 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

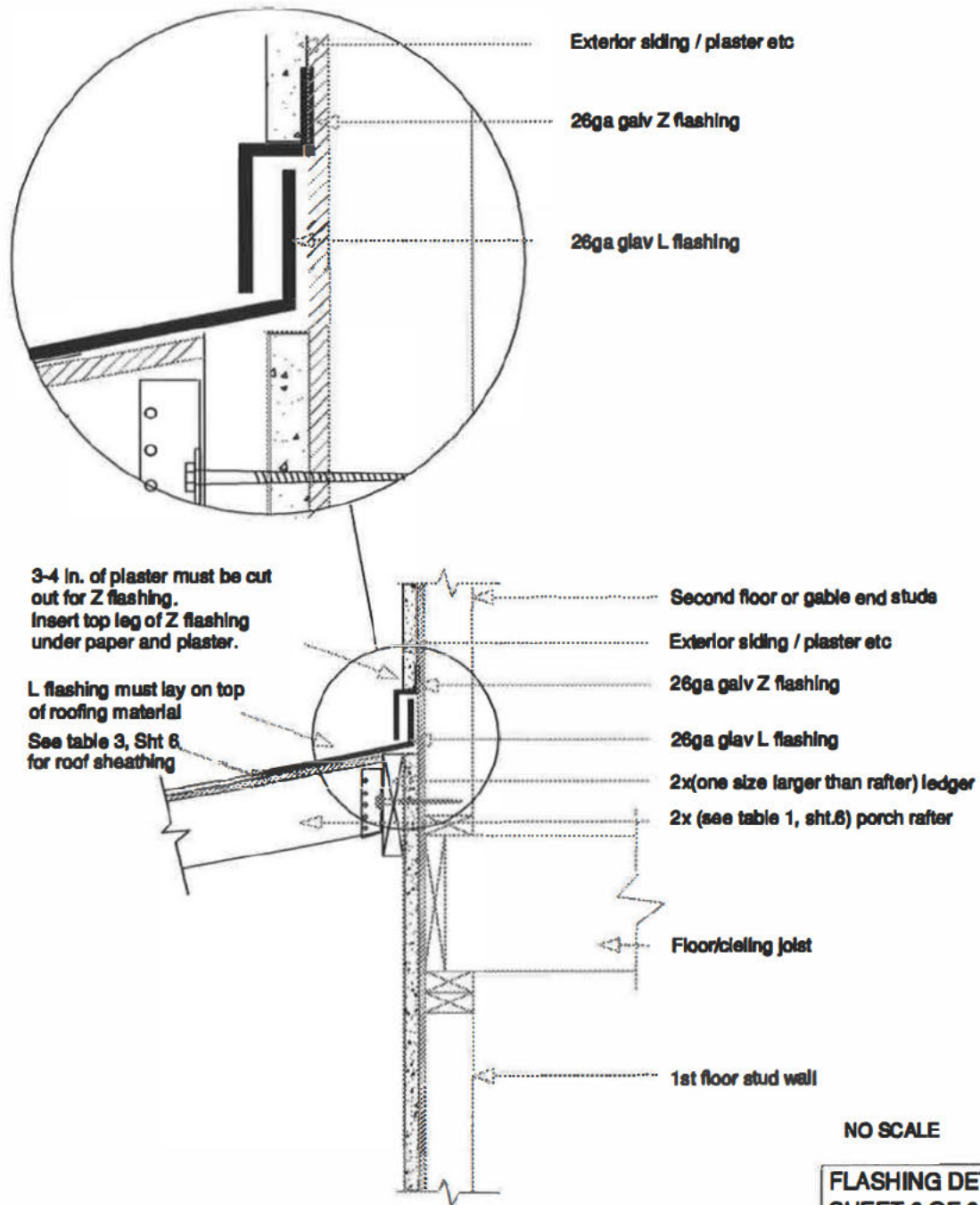
ROOF SHEATHING TABLE PER CBC R503.2.2.2(1)		
SPAN RATING	MINIMUM PANEL THICKNESS	MAXIMUM RAFTER SPACING
16/0	3/8"	16" O.C.
24/0	3/8"	24" O.C.
24/16	7/16"	24" O.C.
32/16	15/32", 1/2"	32" O.C.

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

PORCH OR PATIO ROOF TO WALL FLASHING SIDING OR PLASTER EXTERIOR



NO SCALE

FLASHING DETAIL
SHEET 6 OF 6