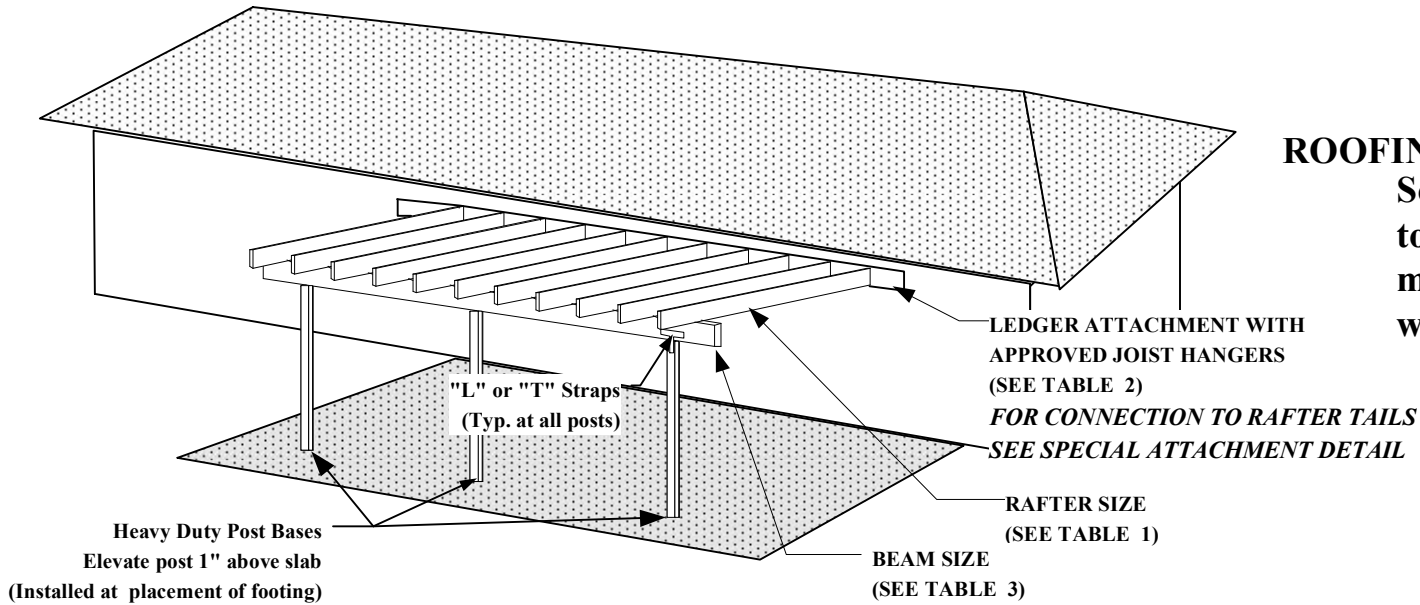




PATIO COVER DETAIL



ROOFING NOTE:
 Solid covered roofs are to be applied per the manufacturers high wind specifications.

RAFTER SPAN TABLE

BASED ON D.F. NO. 1 GRADE

TABLE 1

RAFTER	SPACING					
	16" o.c.	24" o.c.	32" o.c.	48" o.c.	60" o.c.	72" o.c.
2 x 4	8' - 6"	7' - 0"	6' - 0"	5' - 0"		
2 x 6	15' - 0"	12' - 6"	10' - 6"	8' - 0"	7' - 0"	
2 x 8	20' - 0"	16' - 6"	14' - 4"	10' - 6"	9' - 6"	8' - 6"
2 x 10		21' - 0"	18' - 0"	13' - 6"	12' - 0"	11' - 0"
2 x 12			22' - 0"	16' - 6"	15' - 0"	13' - 6"
3 x 6	19' - 6"	16' - 0"	14' - 0"	10' - 6"	9' - 0"	8' - 5"
3 x 8		21' - 0"	18' - 0"	13' - 6"	12' - 6"	11' - 0"
3 x 10			23' - 6"	17' - 6"	15' - 6"	14' - 6"
4 x 6 (2 - 2 x 6)		17' - 6"	15' - 0"	11' - 6"	10' - 0"	9' - 0"
4 x 8 (2 - 2 x 8)		23' - 0"	20' - 0"	15' - 0"	13' - 6"	12' - 6"
4 x 10 (2 - 2 x 10)				19' - 6"	17' - 0"	15' - 6"
4 x 12 (2 - 2 x 12)				23' - 6"	21' - 0"	19' - 0"

LEDGER ATTACHMENT DETAIL

TABLE 2

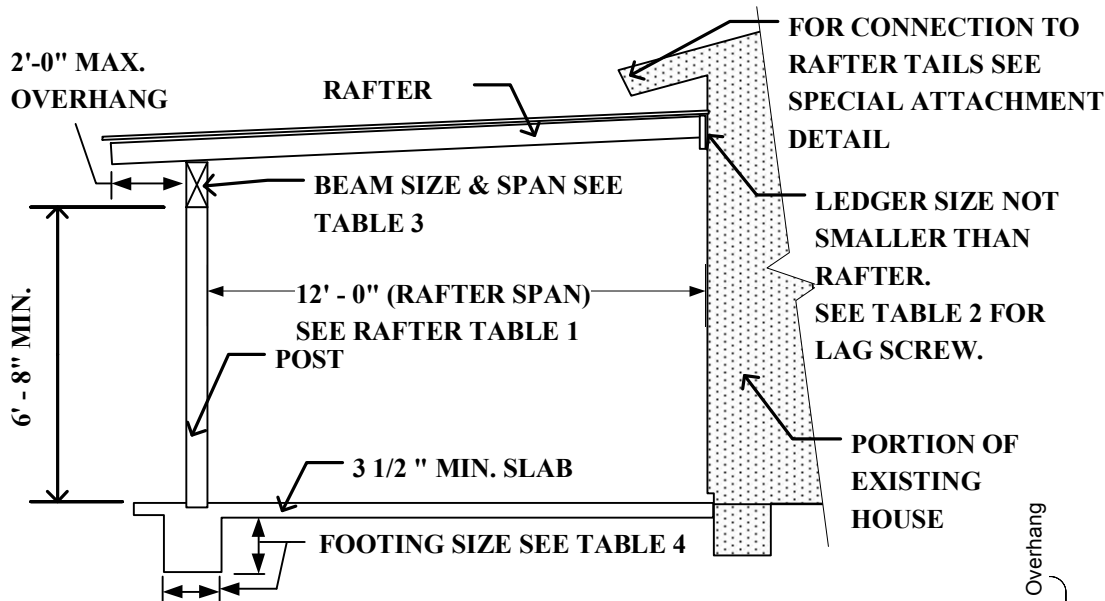
LAG SCREW SIZE & SPACING	MAXIMUM RAFTER SPAN
3/8" x 5" @ 32" o.c.	9' - 0"
3/8" x 5" @ 16" o.c.	18' - 0"
1/2" x 5" @ 32" o.c.	14' - 0"
1/2" x 5" @ 16" o.c.	29' - 0"

BEAM SPAN TABLE

Table 3

BEAM SIZE ↓	BEAM INDEX NUMBER <i>(SEE NOTE & EXAMPLE BELOW)</i>																		
	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	22	24	26	28
4 x 4	9'-8"	8'-9"	8'-3"	7'-9"	7'-5"	7'-0"	6'-8"	6'-4"	5'-10"										
4 x 6	14'10"	13'-8"	12'-9"	12'-1"	11'-6"	10'-11"	10'-6"	9'-10"	9'-5"	9'-2"	8'-10"	8'-7"	8'-5"	8'-2"	8'-0"				
4 x 8 / 6 x 6				16'-0"	15'-3"	14'-6"	13'-10"	13'-2"	12'-8"	12'-3"	11'-9"	11'-6"	11'-2"	10'-10"	10'-8"	9'-11"	9'-6"	9'-2"	
4 x 10 / 6 x 8						18'-5"	17'-7"	16'-9"	15'-10"	15'-6"	15'-1"	14'-8"	14'-1"	13'-8"	13'-5"	12'-7"	12'-1"	11'-7"	
4 x 12 / 6 x 10								20'-0"	19'-4"	18'-9"	18'-5"	17'-8"	17'-1"	16'-8"	16'-4"	15'-3"	14'-7"	14'-0"	
4 x 14 / 6 x 12																18'-9"	18'-0"	17'-3"	16'-8"

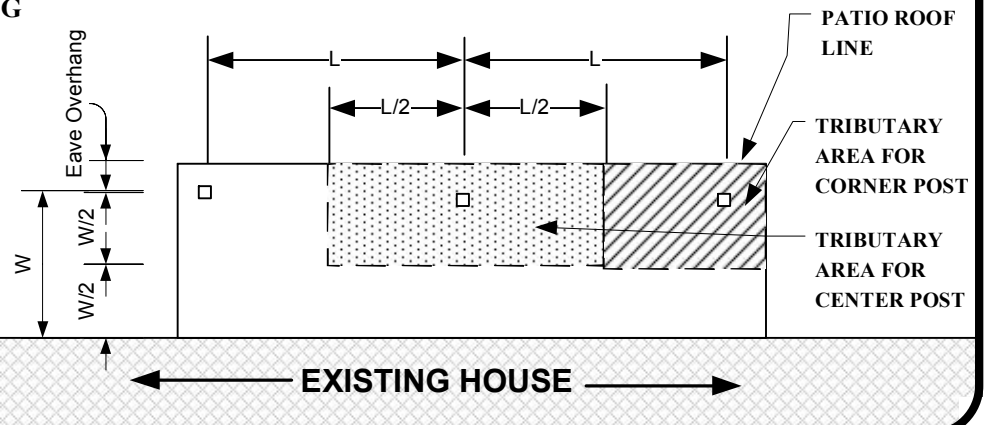
NOTE: TO DETERMINE BEAM INDEX NUMBER, ADD RAFTER SPAN (IN FEET) TO TWICE THE EAVE OVERHANG (IN FEET). SEE EXAMPLE:



EXAMPLE:

- BASED ON FIGURE AT LEFT $12 + 2 + 2 = 16$
- USE "16" AS BEAM INDEX NUMBER IN BEAM SPAN TABLE (TABLE 3) ABOVE.
- MAKE SELECTION BASED ON BEAM SIZE OR POST SPACING REQUIRED.

TRIBUTARY AREA: (SEE TABLE 4)
L = DISTANCE BETWEEN POSTS
W = DISTANCE FROM HOUSE TO POST



FOOTING TABLE Table 4

FOOTING SIZE <i>(l x w x d)</i>	TRIBUTARY ROOF AREA
None Required	40 SQ. FT.
12" x 12" x 12"	60 SQ. FT.
16" x 16" x 12"	106 SQ. FT.
24" x 24" x 12"	240 SQ. FT.