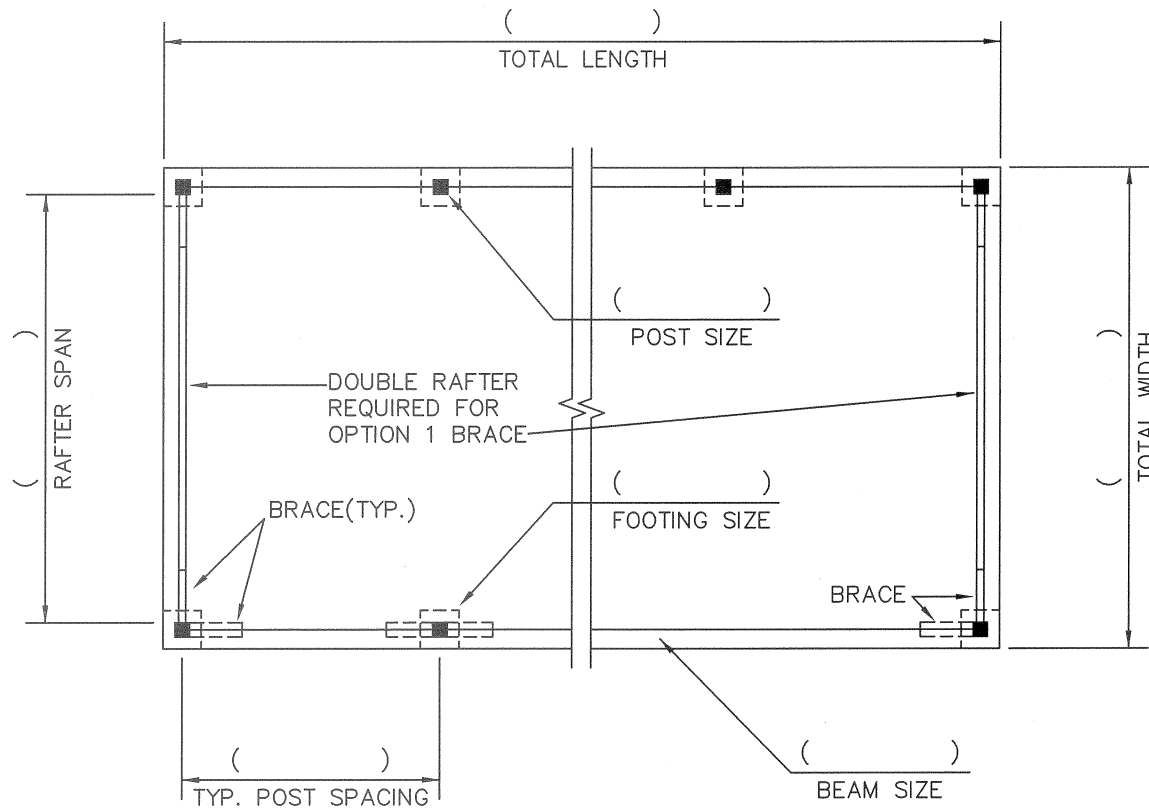
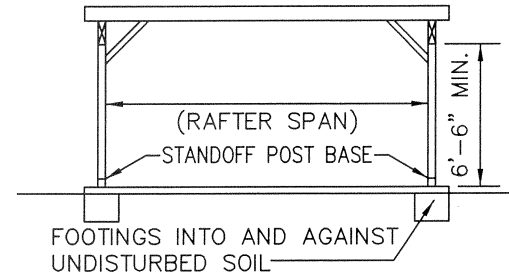


CARPORT/COVERED PATIO DESIGN

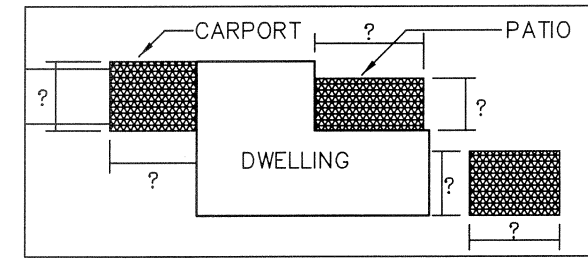


PLAN VIEW

FOR FREE STANDING STRUCTURE



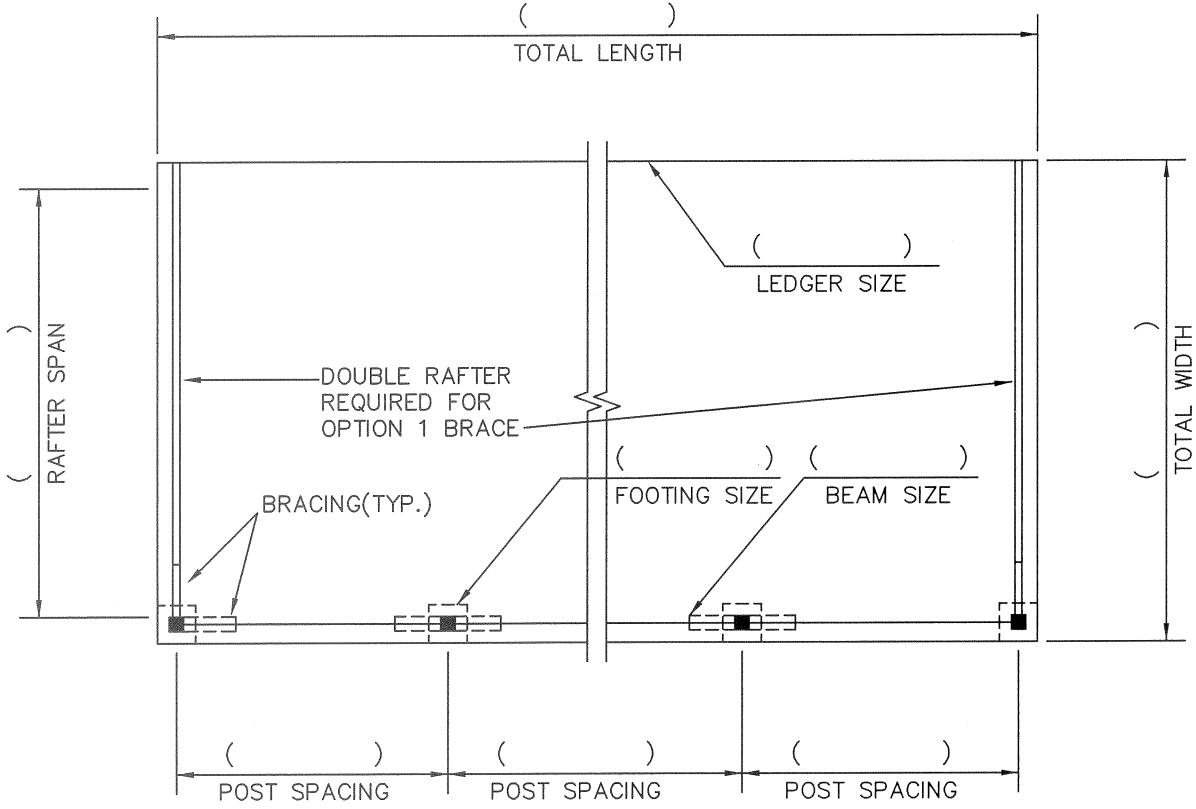
CROSS SECTION



PLOT PLAN

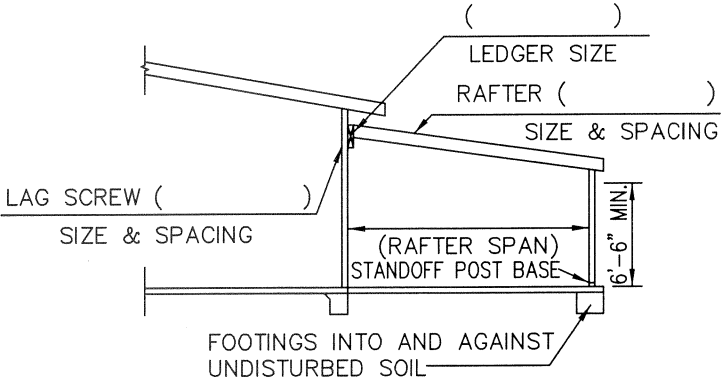
MARK THE TYPE OF STRUCTURE AND THE SIZE IF THE DESIGN IS NOT TYPICAL AS SHOWN, A PLAN WITH DIMENSIONS WILL BE REQUIRED

CARPORT/COVERED PATIO DESIGN



PLAN VIEW

FOR ATTACHED STRUCTURE



CROSS SECTION

LEDGER LAG SCREW SIZE & SPACING		
RAFTER SPAN	LAG SCREW	SPACING
<10'	1/2"	24"
10'>12'-6"	1/2"	16"
15'-6">26'-6"	1/2"	2 ROWS @ 16"

- LAG SCREWS TO BE 3" INTO SOLID WOOD
- ALL LEDGERS TO BE ONE SIZE LARGER THAN RAFTERS AND CONNECTED TO FRAMING BY LAG SCREWS OR BOLTS
- NO ATTACHMENT THROUGH STUCCO

CARPORT/COVERED PATIO DESIGN

1. DIMENSION FLOOR PLAN: LENGTH, WIDTH AND POST SPACING
2. USING THE MAXIMUM POST SPACING AND RAFTER SPAN, CHOOSE THE BEAM AND FOOTING SIZES FROM THE TABLE BELOW AND PLACE IN THE APPROPRIATE LOCATIONS ON THE PLAN. (THESE SIZES ARE NOT FOR STRUCTURES WITH SNOW LOADS)

BEAM SIZE (FOOTING SIZE IN INCHES)					
RAFTER SPAN	POST SPACING				
	4'-0"	6'-0"	8'-0"	10'-0"	12'-0"
8'-0"	4X4#2(12X12)	4X4#2(12X12)	4X6#2(12X12)	4X6#2(14X14)	4X8#2(14X14)
10'-0"	4X4#2(12X12)	4X4#2(12X12)	4X6#2(14X14)	4X8#2(14X14)	4X8#2(16X16)
12'-0"	4X4#2(12X12)	4X4#2(12X12)	4X6#2(14X14)	4X8#2(16X16)	4X8#2(18X18)
14'-0"	4X4#2(12X12)	4X6#2(14X14)	4X6#2(16X16)	4X8#2(18X18)	4X10#2(20X20)
16'-0"	4X4#2(12X12)	4X6#2(14X14)	4X6#2(16X16)	4X8#2(18X18)	4X10#2(20X20)
18'-0"	4X4#2(12X12)	4X6#2(16X16)	4X8#2(18X18)	4X8#2(20X20)	4X10#2(22X22)
20'-0"	4X4#2(14X14)	4X6#2(16X16)	4X8#2(18X18)	4X10#2(20X20)	4X10#2(22X22)

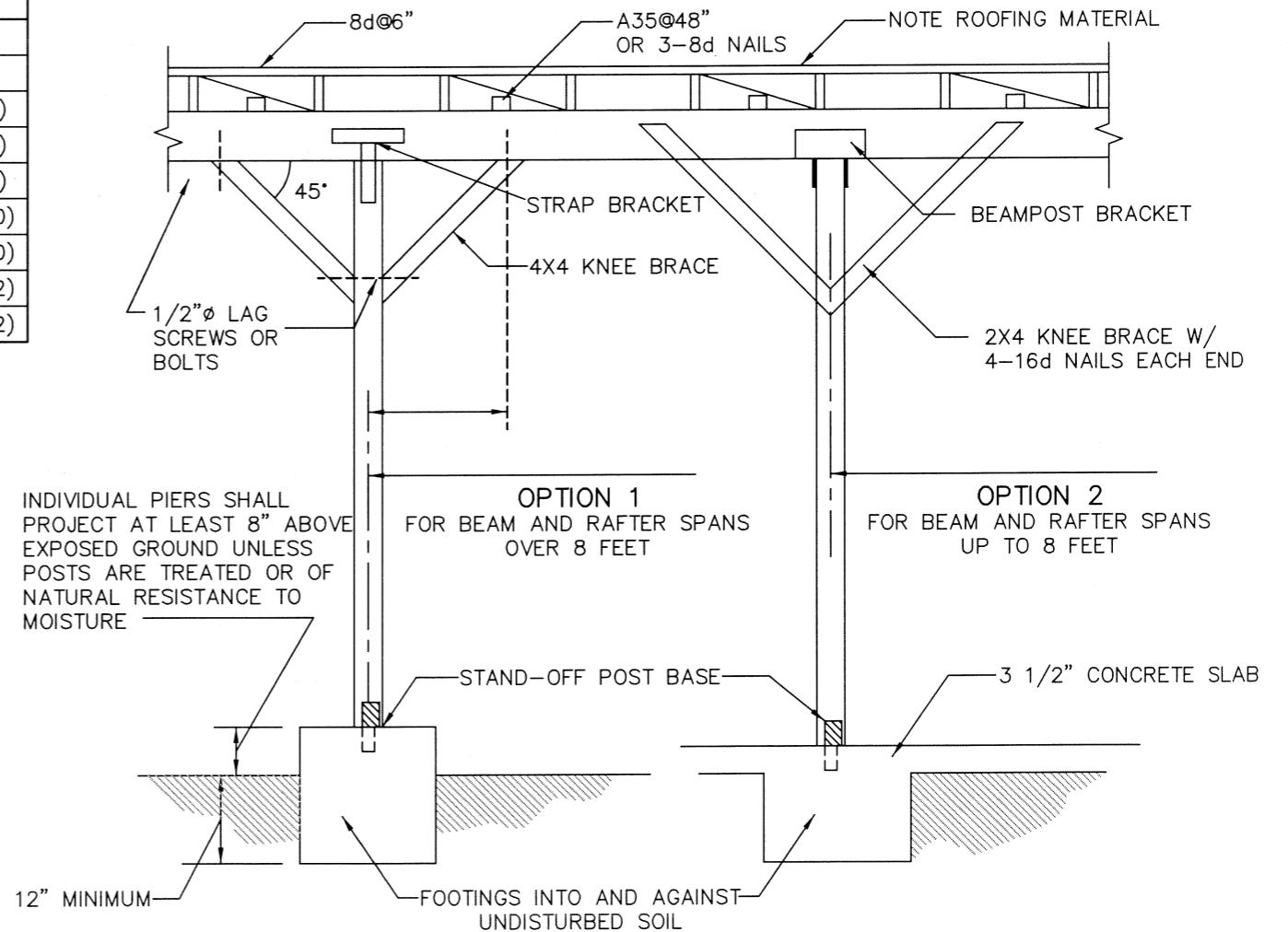
(SOIL BEARING @ 1,000 PSF)

3. CHOOSE THE APPROPRIATE RAFTER SIZE BASED ON SPAN AND SPACING. THE MAXIMUM SPAN OF THE RAFTER IS NOTED AT THE INTERSECTION OF SIZE AND SPACING. CHOSE ACCORDING TO THE COMBINATION WHICH GIVES A SPAN LONGER THAN THE RAFTER SPAN ON THE PLAN. MARK THE DRAWING IN THE APPROPRIATE LOCATION.

RAFTER SIZE D.F. #2 TABLE 23-IV-R-1				7 DAY LOADING	
RAFTER SPACING (3/12 SLOPE OR LESS)				TABLE 23-IV-V-1	
RAFTER SIZE	12" O.C.	16" O.C.	24" O.C.	F _b	E
2X6	16'-5"	14'-2"	11'-7"	1635	1,600,000
2X8		18'-1"	14'-10"	1510	
2X10			18'-0"	1385	
2X12				1260	

TABLE LIMITED TO 20' SPANS

4. CHOOSE THE TYPE OF BRACING REQUIRED ACCORDING TO EITHER OPTION 1 OR OPTION 2 BELOW. MARK ON THE DRAWING AT THE APPROPRIATE LOCATION.



INDIVIDUAL PIERS SHALL PROJECT AT LEAST 8" ABOVE EXPOSED GROUND UNLESS POSTS ARE TREATED OR OF NATURAL RESISTANCE TO MOISTURE