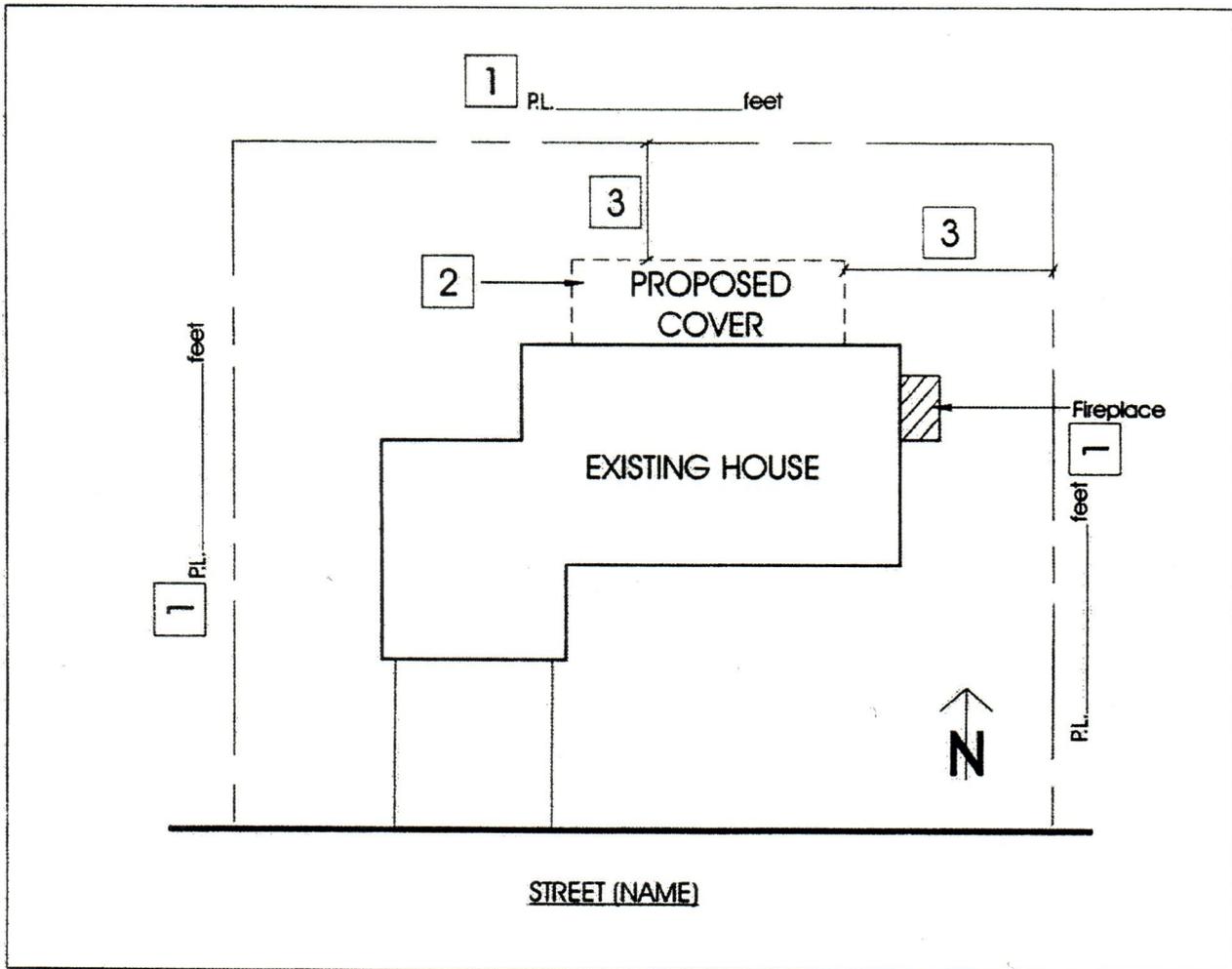




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**INSTRUCTIONS**

- 1 Show all property lines, label each and property dimension.
- 2 Show dimensions of proposed structure(s).
- 3 Show setbacks from property lines to proposed structure(s).

OWNER: \_\_\_\_\_

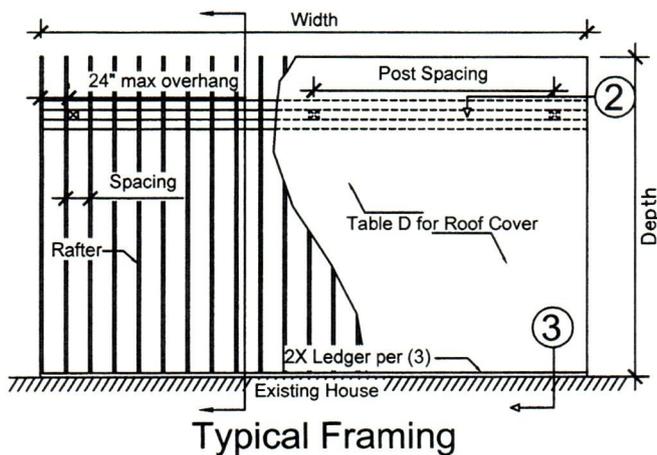
ADDRESS: \_\_\_\_\_

■ ■ ■ **PATIO COVERS** ■ ■ ■

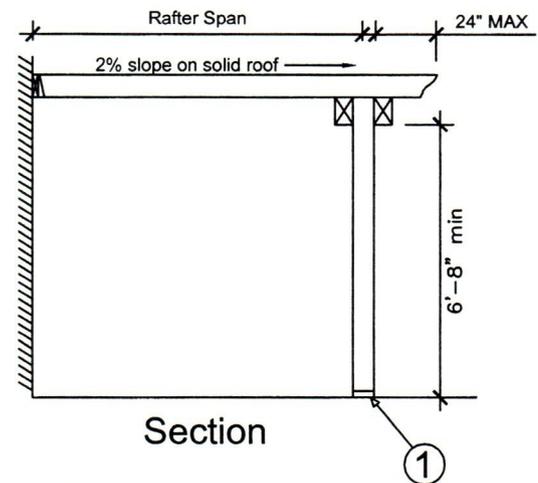
Patio Cover  
Standard Plan



Design Criteria	Directions	Requirements
Wind Speed = 110 mph (strength Level) Wind Exposure ----- (C) Risk Category ----- II Framing Lumber -----Douglas Fir-Larch #2 OR Better Concrete Strength ----- 2500 psi Soil Bearing Pressure ----- 1500 psf Live Load ----- 10 psf	<ol style="list-style-type: none"> <li>1. Choose header type &amp; size per table A</li> <li>2. Choose rafter size and spacing per table B</li> <li>3. Identify type of roof. If using lattice, use table D for span</li> <li>4. See detail (3) for requirements on fascia attachment.</li> <li>5. Identify Ledger size (Ledger depth shall be equal or greater than rafter depth).</li> <li>6. Identify footing size per table C</li> <li>7. If Patio Depth is greater than Width, knee brace required.</li> <li>8. Mark or highlight all details to be used.</li> </ol>	<ol style="list-style-type: none"> <li>1. Do not use pencil or red ink</li> <li>2. If framing plan is different from what's shown on this form, provide specific plan and detailing for review.</li> <li>3. Submit the following:                             <ol style="list-style-type: none"> <li>a) Two copies of site plan</li> <li>b) Two copies of this form</li> <li>c) Building permit application form</li> </ol> </li> </ol>



Typical Framing



Section

Member & Foundation Sizing

1. HEADER	Header shall be ____ X ____ <input type="checkbox"/> Single <input type="checkbox"/> Double
2. RAFTER	Rafter shall be ____ X ____ spaced at ____" on center
3. ROOF	Roof shall be <input type="checkbox"/> solid <input type="checkbox"/> lattice
4. FASCIA	Fascia will be used as attachment <input type="checkbox"/> Yes <input type="checkbox"/> No (A35 & H1 or equal shall be provided per detail (3) if fascia attachment)
5. LEDGER	Ledger shall be ____ X ____ mounted on the wall with $\frac{3}{8}$ " X 5" lag at 16" o.c. per detail (3)
6. FOOTING	Footing shall be ____" square X ____" deep
7. KNEE BRACE	Knee brace required <input type="checkbox"/> Yes <input type="checkbox"/> No

DISCLAIMER: Alternate patio design may be possible when provided with an engineered analysis. Use of this conventional standard design is at the user's risk and carries no implied or inferred guarantee against failure or defects.



Table-A Minimum Header Sizes						
Single Size	Max Post Spacing			Double Size	Max Post Spacing	
	Solid	Lattice			Solid	Lattice
4 X 4	5'-2"	6'-4"		(2) 2 X 4	5'-1"	5'-11"
4 X 6	8'-2"	10'-0"		(2) 2 X 6	7'-7"	9'-4"
4 X 8	11'-2"	13'-3"		(2) 2 X 8	9'-11"	12'-4"
4 X 10	13'-7"	16'-11"		(2) 2 X 10	12'-1"	15'-8"
4 X 12	15'-9"	20'-6"		(2) 2 X 12	13'-11"	19'-1"
6 X 6	9'-5"	11'-5"		(2) 3 X 6	9'-9"	12'-8"
6 X 8	11'-11"	15'-7"		(2) 3 X 8	12'-10"	15'-11"
6 X 10	16'-4"	19'-9"		(2) 3 X 10	15'-7"	22'-3"

Table-B Rafter Size & Spacing												
Rafter Size	Lattice Roof Rafter Spacing o.c.							Solid Roof Rafter Spacing o.c.				
	16"	24"	32"	36"	48"	60"	72"	16"	24"	32"	36"	48"
2 X 4	11'-6"	10'-0"	7'-11"	7'-7"	6'-11"	6'-5"	6'-1"	9'-1"	7'-11"	7'-2"	6'-11"	6'-3"
2 X 6	18'-1"	15'-5"	12'-6"	12'-1"	10'-11"	10'-1"	9'-6"	13'-10"	12'-6"	11'-4"	10'-11"	9'-11"
2 X 8	23'-10"	20'-11"	16'-6"	15'-10"	14'-5"	13'-4"	12'-7"	18'-10"	16'-6"	14'-11"	14'-5"	13'-1"
2 X 10		26'-6"	20'-11"	20'-2"	18'-4"	17'-0"	16'-0"	24'-0"	20'-11"	19'-0"	18'-4"	16'-7"
4 X 4		11'-7"	10'-6"	10'-1"	9'-2"	8'-6"	8'-0"	21'-1"	10'-6"	9'-7"	9'-2"	8'-4"
4 X 6		18'-2"	16'-6"	15'-10"	14'-5"	13'-4"	12'-7"	18'-10"	16'-6"	14'-11"	14'-5"	13'-1"
4 X 8		24'-1"	21'-10"	21'-0"	19'-1"	17'-3"	16'-8"	23'-1"	21'-10"	19'-10"	19'-1"	17'-4"
4 X 10					24'-4"	22'-7"	21'-3"			25'-4"	24'-4"	22'-1"

NOTE: After prolong period of time 2X4 rafter spanning more than 8'-0" may deflect permanently and give an objectionable appearance. It is therefore recommended for rafter span exceeding 8 feet, a minimum size of 2X6 be used.

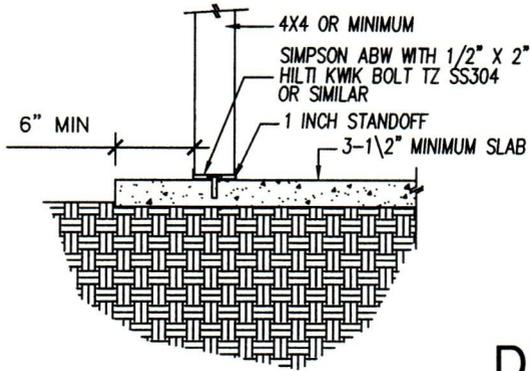
Table-C Minimum Footing Size									
Post Spacing	Roof Rafter Span								
	6'-0"	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"	
4'-0"	18" sq	18" sq	18" sq	18" sq	18" sq	18" sq	20" sq	20" sq	18" Deep
6'-0"	18" sq	18" sq	20" sq	20" sq	20" sq	22" sq	22" sq	22" sq	
8'-0"	20" sq	20" sq	20" sq	22" sq	22" sq	24" sq	24" sq	26" sq	
10'-0"	20" sq	22" sq	22" sq	24" sq	24" sq	26" sq	26" sq	28" sq	24" Deep
12'-0"	22" sq	22" sq	24" sq	26" sq	26" sq	28" sq	28" sq	30" sq	
14'-0"	22" sq	24" sq	26" sq	26" sq	28" sq	28" sq	30" sq	30" sq	
16'-0"	24" sq	26" sq	26" sq	28" sq	30" sq	30" sq	33" sq	33" sq	
18'-0"	26" sq	26" sq	28" sq	30" sq	30" sq	33" sq	33" sq	36" sq	
20'-0"	26" sq	28" sq	30" sq	30" sq	33" sq	33" sq	36" sq	36" sq	
	18" Deep				24" Deep				

Table-D Roof Type	
2" X 2" Self Spaced Lattice -----	4'-0" max span
2" X 4" Self Spaced Lattice on edge -----	7'-0" max span
OR	
$\frac{15}{32}$ " CDX plywood or $\frac{1}{2}$ " oriented strand board with 8D @ 6" o.c. edge/boundary & 12" o.c. field nailing. Use roll or hot mop roof cover only. Rafter size 2 X10 or greater shall be provided with 2X blocking @ 8 feet o.c. max.	

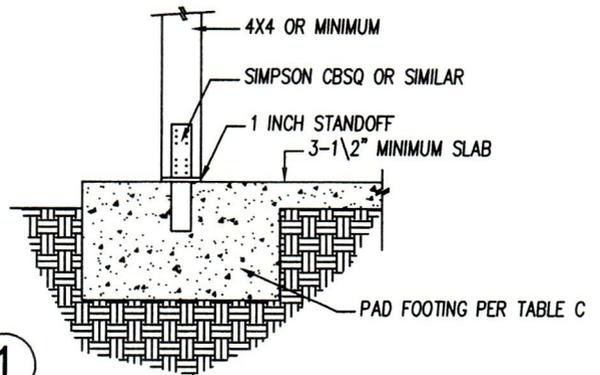
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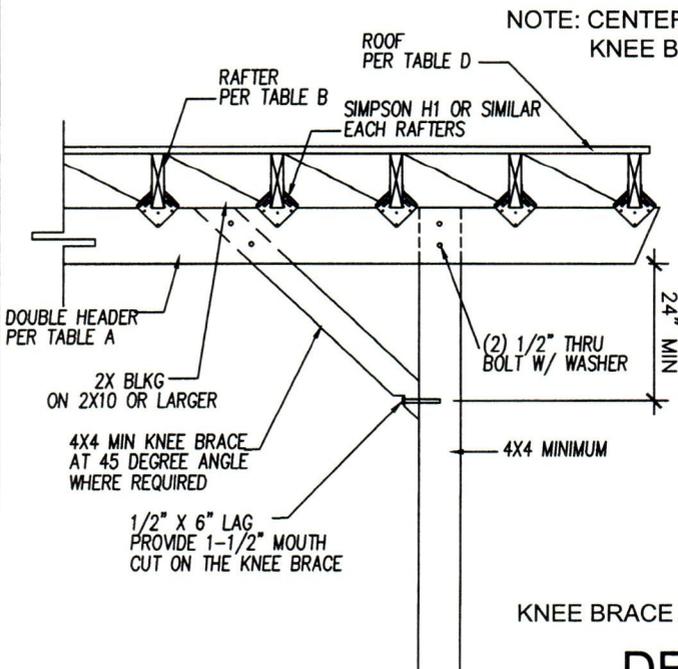
NOTE: If slab is to be used as foundation, the post shall be supporting a roof with tributary area not more than (40) forty square feet.



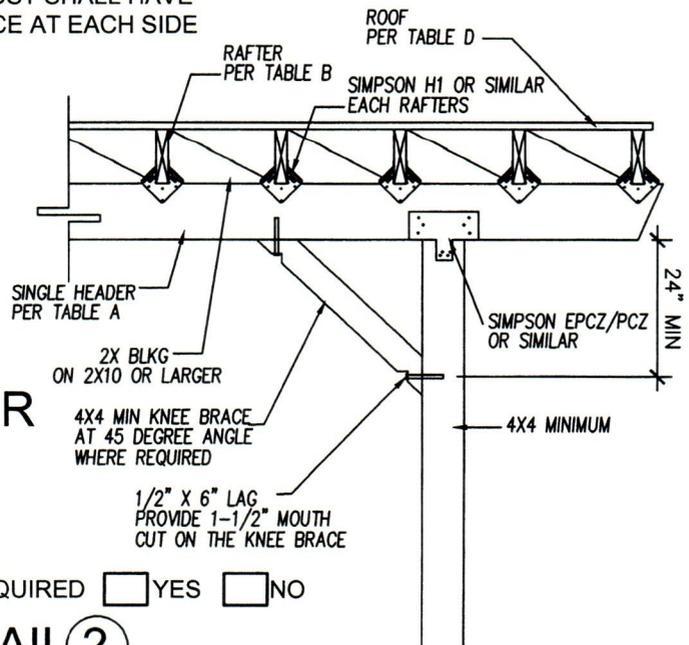
OR



DETAIL ①



OR



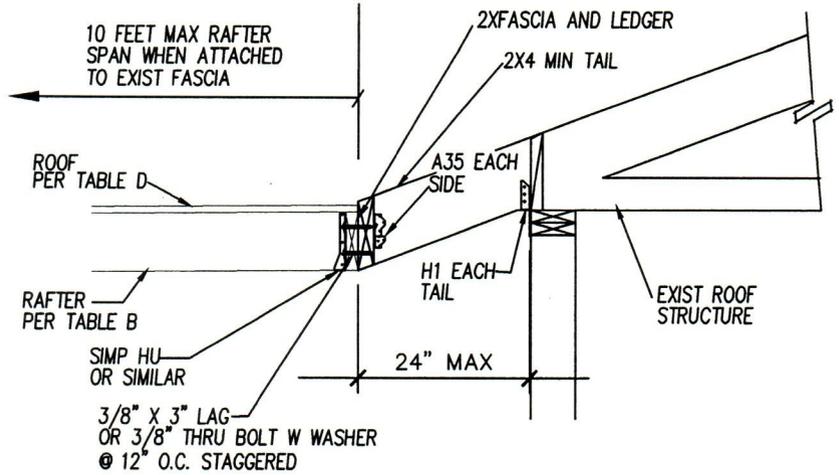
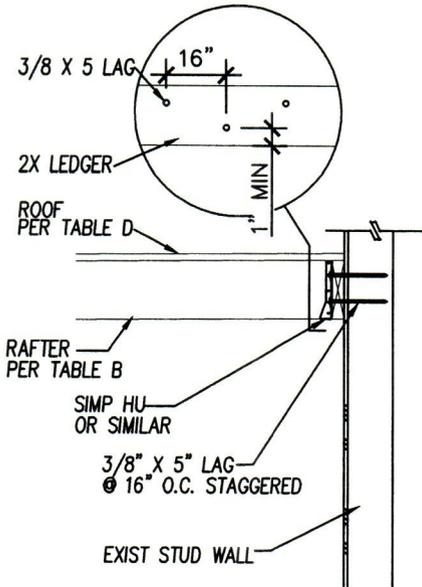
KNEE BRACE REQUIRED  YES  NO

DETAIL ②

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NOTE: EXISTING FASCIA DEPTH SHALL NOT BE SMALLER THAN LEDGER TO BE ATTACHED.

**DETAIL ③**

USE BLANK SPACE BELOW FOR PROPOSED ALTERNATIVE DETAIL