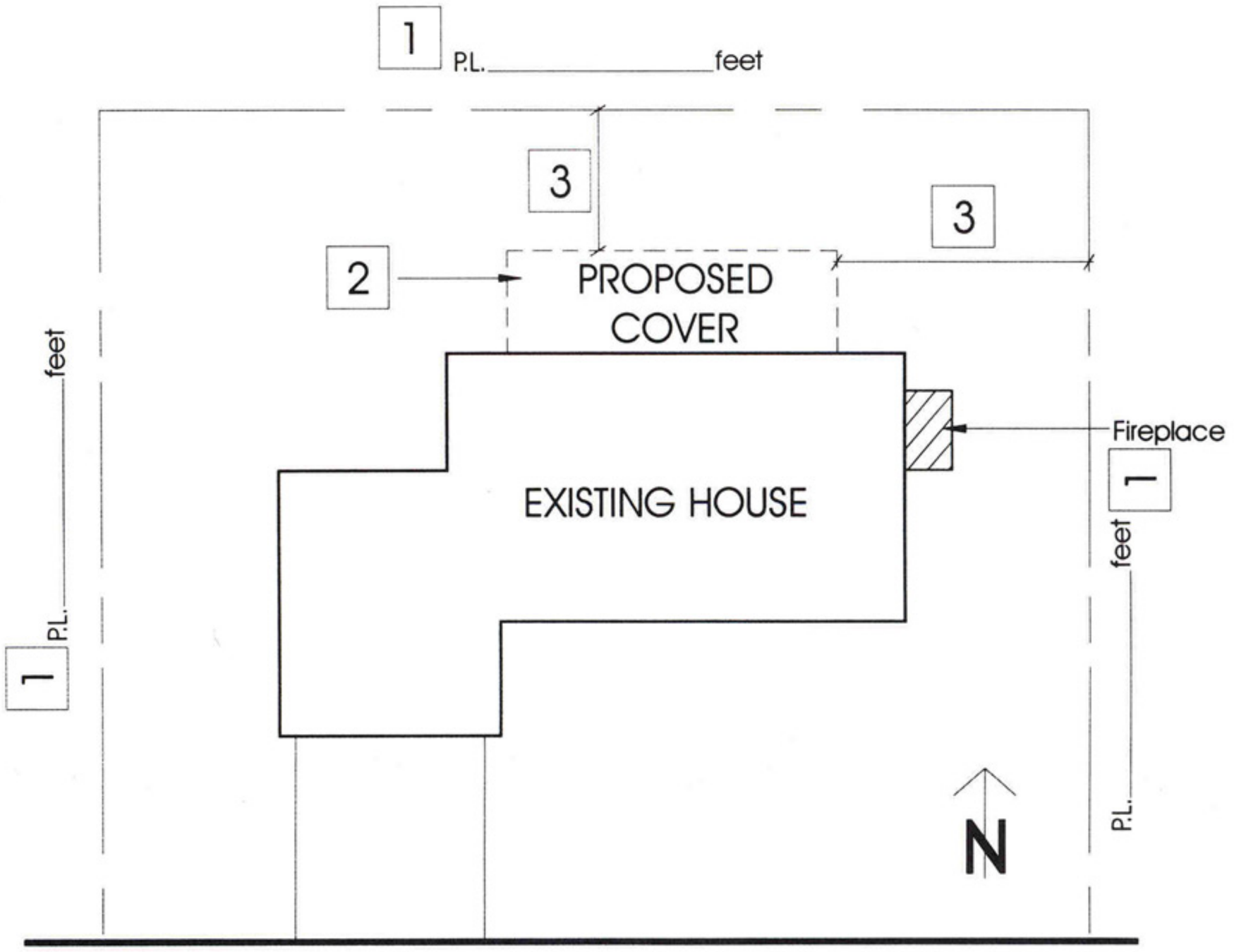
CITY OF

ONTARIO



INSTRUCTIONS

1 Show all property lines, label each and properly dimension.

2 Show dimensions of proposed structure(s).

3 Show setbacks from property lines to purposed structure(s).

1

OWNER: _____

ADDRESS: _____

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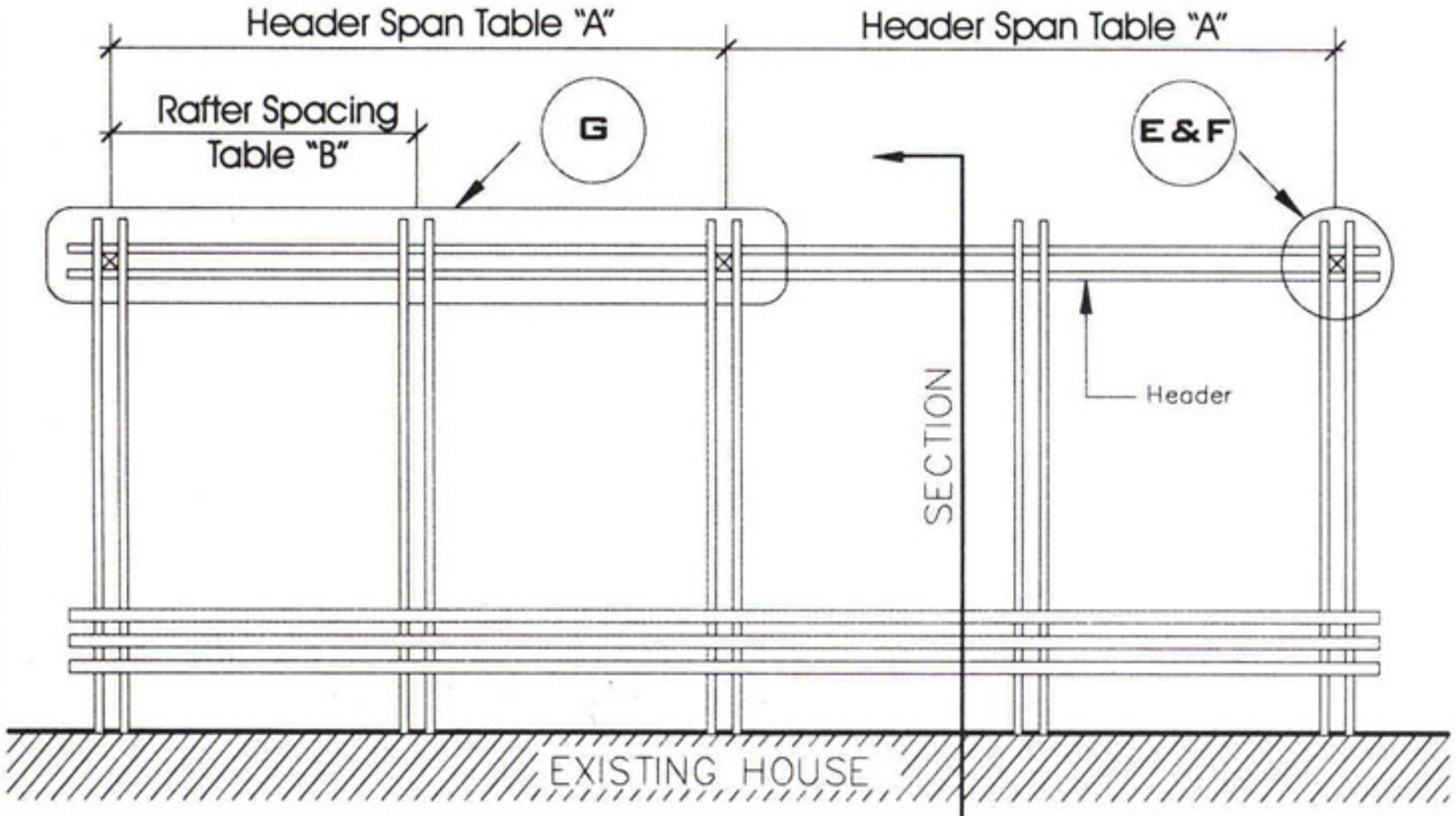
DIRECTIONS

1. Do not use pencil or red ink.
2. If framing plan is different from what's shown on this form, use an additional page to show the framing plan.
3. Submit the following:
   a. Two copies of site plan. (Standard form are available)
   b. Two copies of this form. Complete both sides.
   C. Building Permit application form.

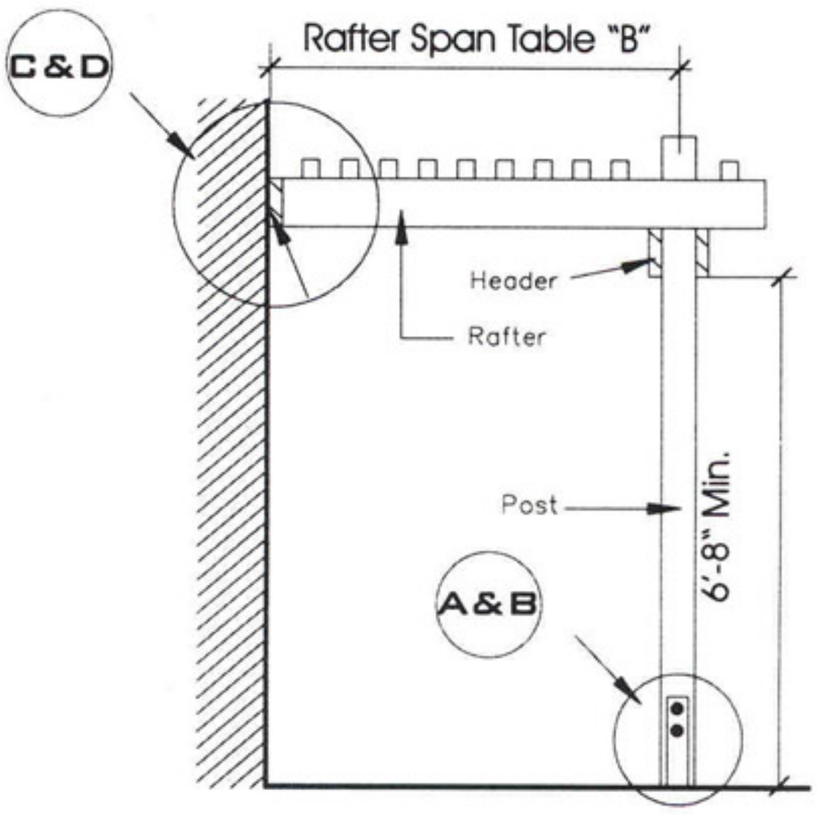
GUIDELINES FOR PATIO CONSTRUCTION

(Choose one that best fits your condition)

Single family
Zero lot line
Condominium
Town House



FRAMING PLAN



CROSS SECTION

PATIO COVER REQUIREMENTS

1. HEADER: Header shall be _____ ❑ Single Header ❑ Double Header

2. JOISTS: Joist shall be _____ at _____ center. ❑ Single Joists ❑ Double Joists

3. ROOF SHEATHING: Sheathing shall be solid or: _____ self spaced.

4. LEDGER: Ledger shall be a _____ mounted on existing wall with 3/8" x 5" lag bolts at 16" on center. (See Detail C)

5. FASCIA: Existing fascias if used as a ledger must be attached to the existing rafters with metal framing achors on each side of each rafter. (See Detail D)

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TABLE: A — MINIMUM HEADER SIZES

HEADER SIZE	ROOF TYPE /MAXIMUM SPAN SOLID	LT WGHT
4x4	5'-9"	6'-4"
4x6	9'-1"	10'-0"
4x8	12'-0"	13'-3"
4x10	15'-4"	16'-11"
4x12	18'-8"	20'-6"
6x6	10'-4"	11'-5"
6x8	14'-2"	15'-7"
6x10	17'-11"	19'-9"

SIZE	SOLID	LT WGHT
(2)2x4	5'-1"	5'-11"
(2)2x6	8'-1"	9'-4"
(2)2x8	10'-8"	12'-4"
(2)2x10	13'-7"	15'-8"
(2)2x12	16'-6"	19'-1"
(2)3x6	10'-5"	12'-8"
(2)3x8	13'-9"	15'-11"
(2)3x10	17'-7"	22'-3"

TABLE: B — MAXIMUM RAFTER SPAN TABLE

RAFTER SIZE	Lightweight Roof *(Spacing Center-to-Center)* 16"	24"	32"	36"	48"	60"	72"	Solid Roof *(Spacing Center-to-Center)* 16"	24"	32"	36"	48"
2x4**	11'-6"	10'-0"	7'-11"	7'-7"	6'-11"	6'-5"	6'-1"	9'-1"	7'-11"	7'-2"	6'-11"	6'-3"
2x6	18'-1"	15'-5"	12'-6"	12'-1"	10'-11"	10'-1"	9'-6"	13'-10"	12'-6"	11'-4"	10'-11"	9'-11"
2x8	23'-10"	20'-10"	16'-6"	15'-10"	14'-5"	13'-4"	12'-7"	18'-10"	16'-6"	14'-11"	14'-5"	13'-1"
2x10		26'-6"	20'-11"	20'-2"	18'-4"	17'-0"	16'-0"	24'-0"	20'-11"	19'-0"	18'-4"	16'-7"
4x4		11'-7"	10'-6"	10'-1"	9'-2"	8'-6"	8'-0"	12'-1"	10'-6"	9'-7"	9'-2"	8'-4"
4x6		18'-2"	16'-6"	15'-10"	14'-5"	13'-4"	12'-7"	18'-10"	16'-6"	14'-11"	14'-5"	13'-1"
4x8		24'-1"	21'-10"	21'-0"	19'-1"	17'-3"	16'-8"	23'-1"	21'-10"	19'-10"	19'-1"	17'-4"
4x10					24'-4"	22'-7"	21'-3"			25'-4"	24'-4"	22'-1"

TABLE: C — MINIMUM SQUARE FOOTING SIZES

Post Spacing	Rafter Span *(See Cross Section)* 6'-0"	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"
4'- 0"	12" sq.'	12" sq.'	12" sq.'	12" sq.'	12" sq.'	12" sq.'	14" sq.'	14" sq.'
6'- 0"	12" sq.'	12" sq.'	14" sq.'	14" sq.'	14" sq.'	16" sq.'	16" sq.'	16" sq.'
8'- 0"	14" sq.'	14" sq.'	14" sq.'	16" sq.'	16" sq.'	18" sq.'	18" sq.'	20" sq.'
10'- 0"	14" sq.'	16" sq.'	16" sq.'	18" sq.'	18" sq.'	20" sq.'	20" sq.'	22" sq.'
12'- 0"	16" sq.'	16" sq.'	18" sq.'	20" sq.'	20" sq.'	22" sq.'	22" sq.'	24" sq.'
14'- 0"	16" sq.'	18" sq.'	20" sq.'	20" sq.'	22" sq.'	22" sq.'	24" sq.'	24" sq.'
16'- 0"	18" sq.'	20" sq.'	20" sq.'	22" sq.'	24" sq.'	24" sq.'	27" sq.'	27" sq.'
18'- 0"	20" sq.'	20" sq.'	22" sq.'	24" sq.'	24" sq.'	27" sq.'	27" sq.'	30" sq.'
20'- 0"	20" sq.'	22" sq.'	24" sq.'	24" sq.'	27" sq.'	27" sq.'	30" sq.'	30" sq.'

TABLE: D — ROOF SHEATHING

2" X 2" Self Space Spans	6'-0"
2" X 4" Self Spaced Spans On Edge**	11'-0"

NOTES:

** After prolonged periods of time 2"X4" rafters spanning more than 8 feet may deflect permanently and give an objectionable appearance. It is therefore recommended that for rafter spans exceeding 8 feet a minimum rafter size of 2"x6" be used.

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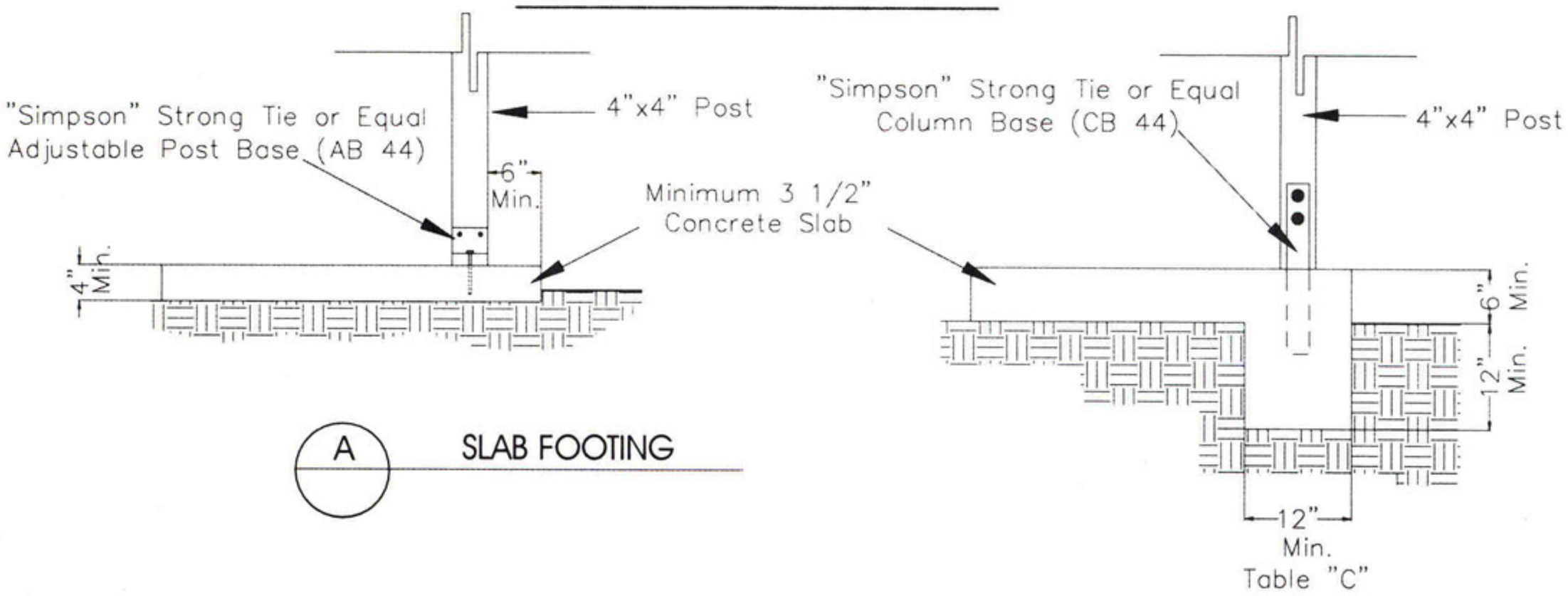
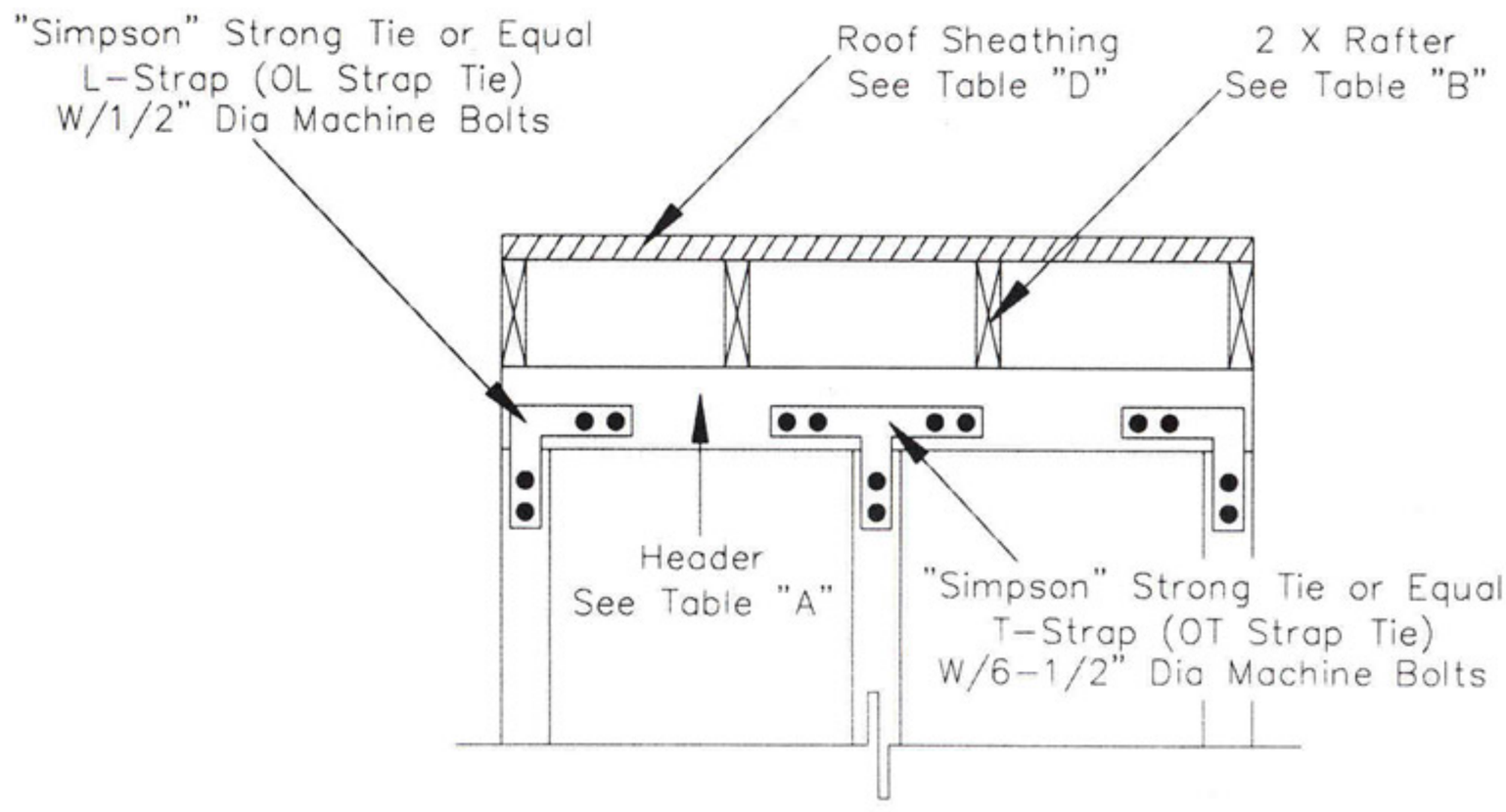


A SLAB FOOTING

B PAD FOOTING



G HEADER ELEVATION

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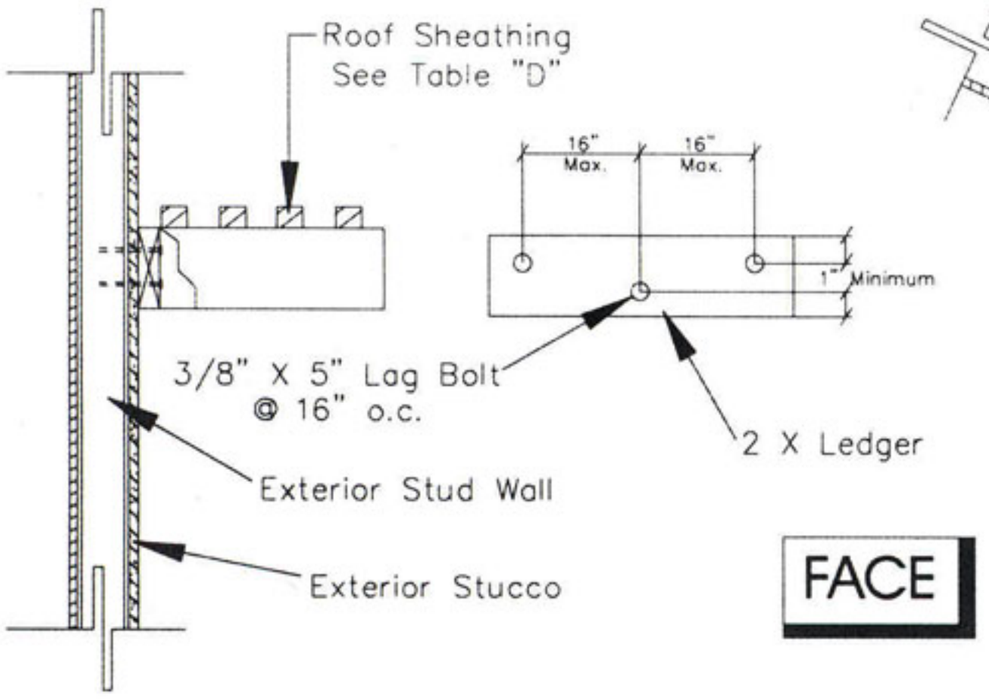
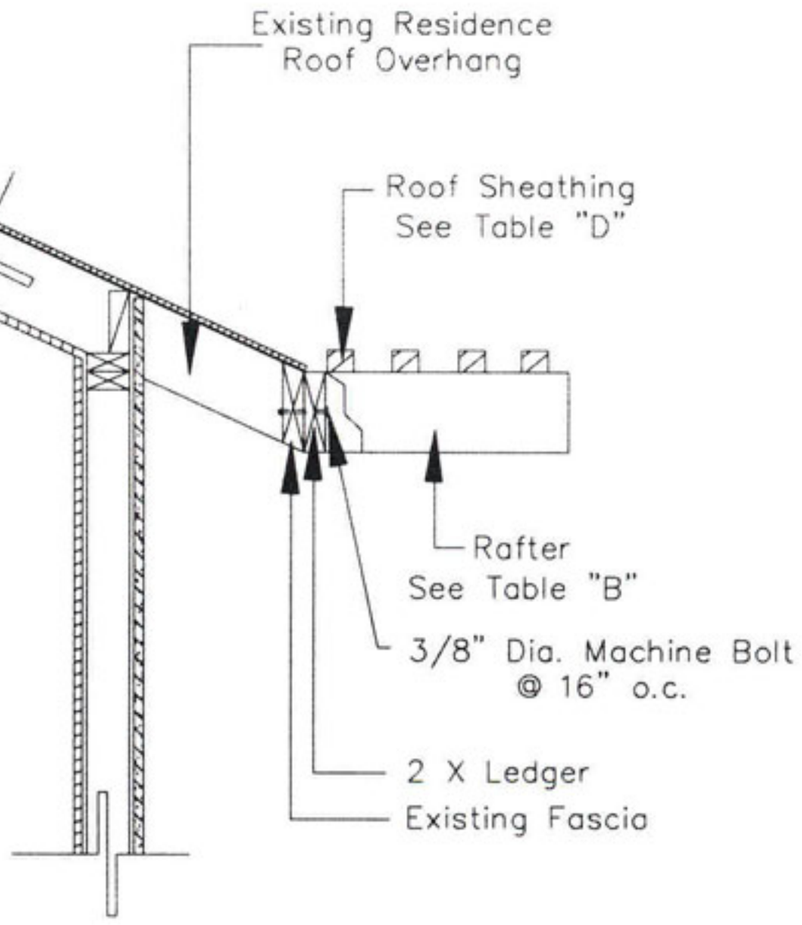


SECTION

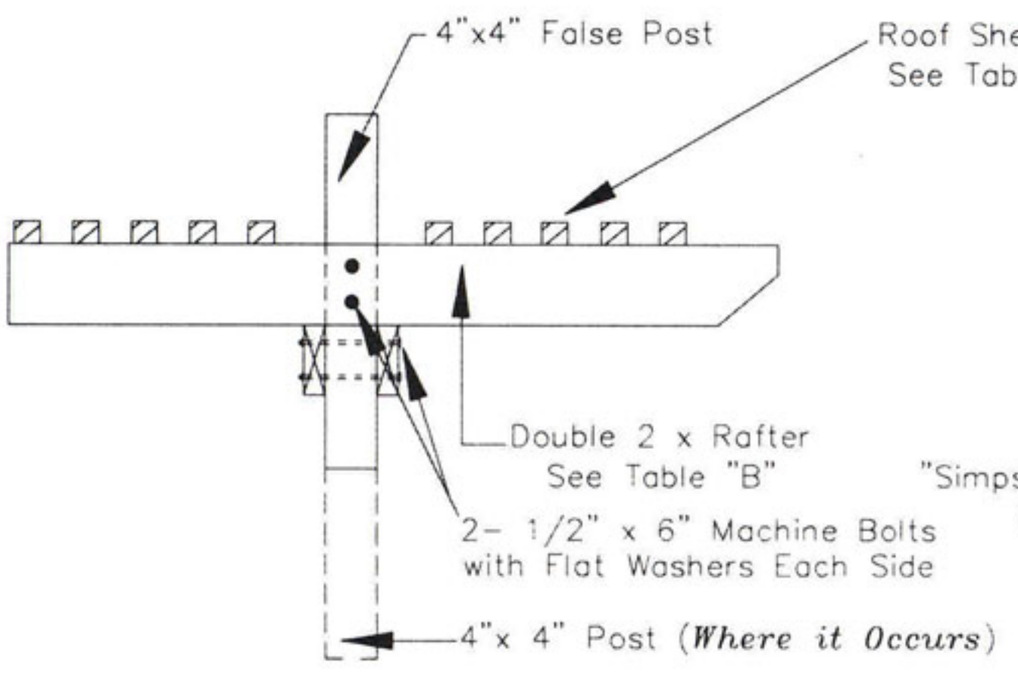
FACE

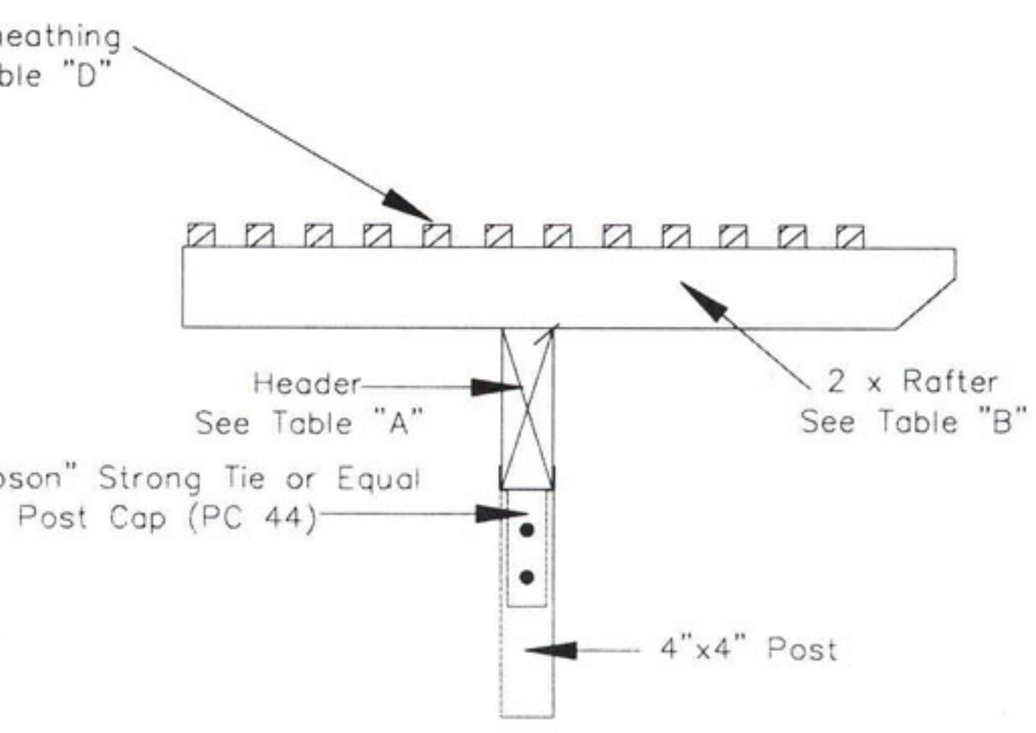


NOTE:
1. "Simpson" Strong Tie or Equal Standard Joist Hanger (U 26)

C LEDGER DETAIL

D EAVE CONNECTION





E HEADER DETAIL

F HEADER DETAIL

PATIO COVERS