

Customer information

Name _____

Address _____

Phone # _____

Patio Framing Details

PERMIT # _____

Roofing _____

Sheathing _____

Underlayment _____

Rafter Size _____
Spacing _____Overhang
(maximum 24")When 12" or less, a 2" x
Fascia board may be
used in lieu of blocking

Beam Size _____

MIN. SLOPE 1/4" PER FT.
(WITH BUILT-UP ROOFING)

MIN.

Post size _____

Columns:
Wood/Stucco- _____
Masonry- _____

ROOFING MATERIAL PER MIN. SLOPE:

1/4" Per Ft. for Built-up Roofing
1" Per Ft. for Rolled Roofing
2" Per Ft. for Shingle Roofing
2.5" Per Ft. for Tile Roofing

Gypsum Board or Drywall

Minimum Beam Sizes (inches)								
Post Spacing (ft.)	Rafter spans (ft.)							
	6	8	10	12	14	16	18	20
4	4X4	4X4	4X4	4X4	4X4	4X4	4X4	4X6
6	4X4	4X4	4X6	4X6	4X6	4X6	4X6	4X6
8	4X6	4X8	4X8	4X6	4X8	4X8	4X8	4X8
10	4X6	4X8	4X8	4X8	4X10	4X10	4X10	4X10
12	4X8	4X8	4X10	4X10	4X10	4X12	4X12	4X12
14	4X8	4X10	4X10	4X12	4X12	4X12	4X14	4X14
16	4X10	4X10	4X12	4X12	4X14	4X14	4X16	4X16
18	4X10	4X12	4X14	4X14	4X16	4X16	4X16	4X16
20	4X12	4X14	4X14	4X16	4X16	4X18	4X18	4X18
BEAM TABLE IS BASED ON VALUES FOR DOUGLAS FIR/LARCH #2 OR BETTER								

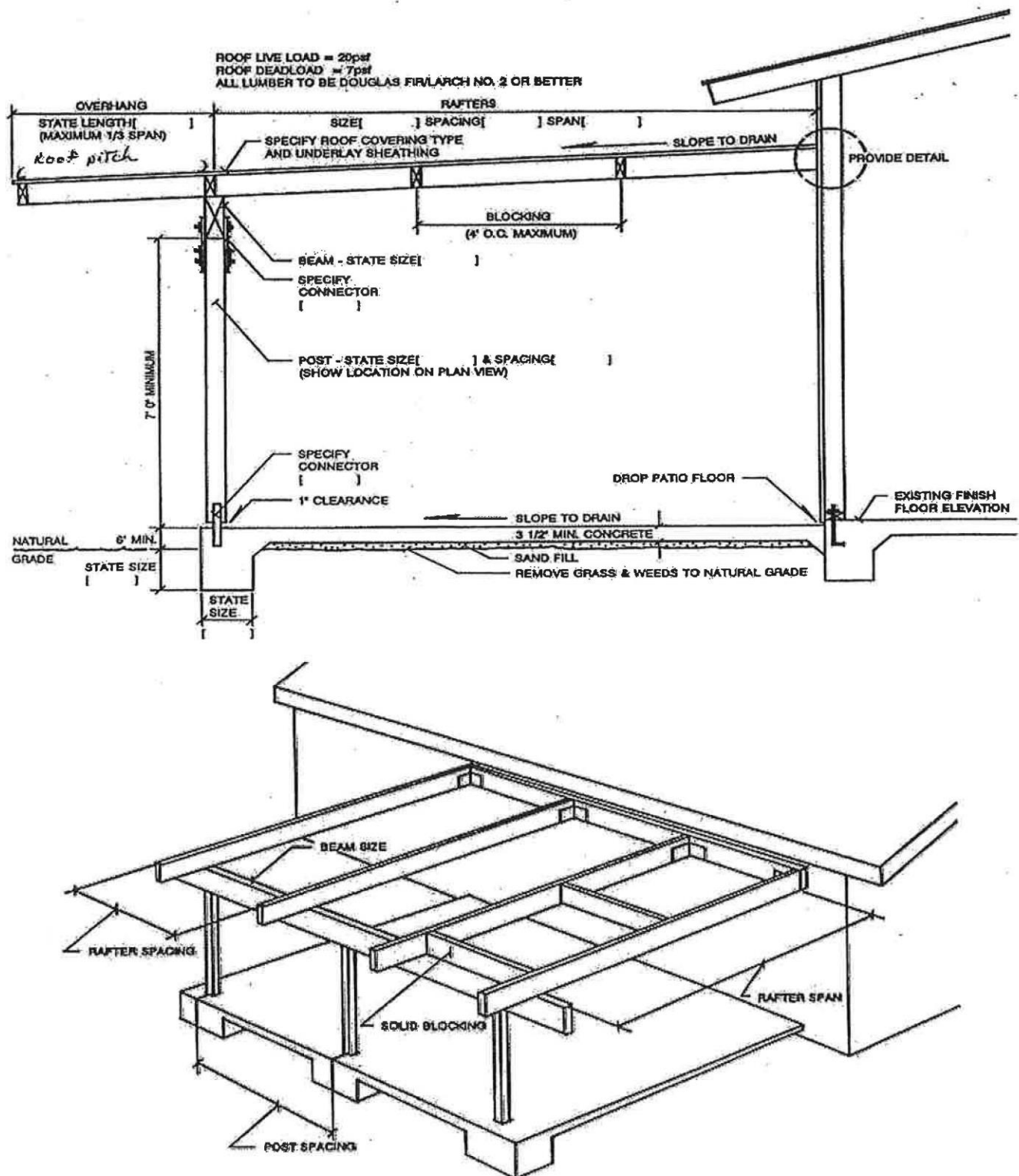
Minimum Rafter Sizes (inches)			
Rafter Spans (ft.)	Rafter spacing (center to center)		
	12	16	24
10	2X6	2X6	2X6
11	2X6	2X6	2X8
12	2X6	2X6	2X8
13	2X6	2X8	2X8
14	2X6	2X8	2X10
15	2X8	2X8	2X10
16	2X8	2X8	2X10
17	2X8	2X10	2X10
18	2X8	2X10	2X12
19	2X8	2X10	2X12
20	2X10	2X10	2X12
RAFTER TABLE IS BASED ON VALUES FOR HEM FIR #2 OR BETTER			

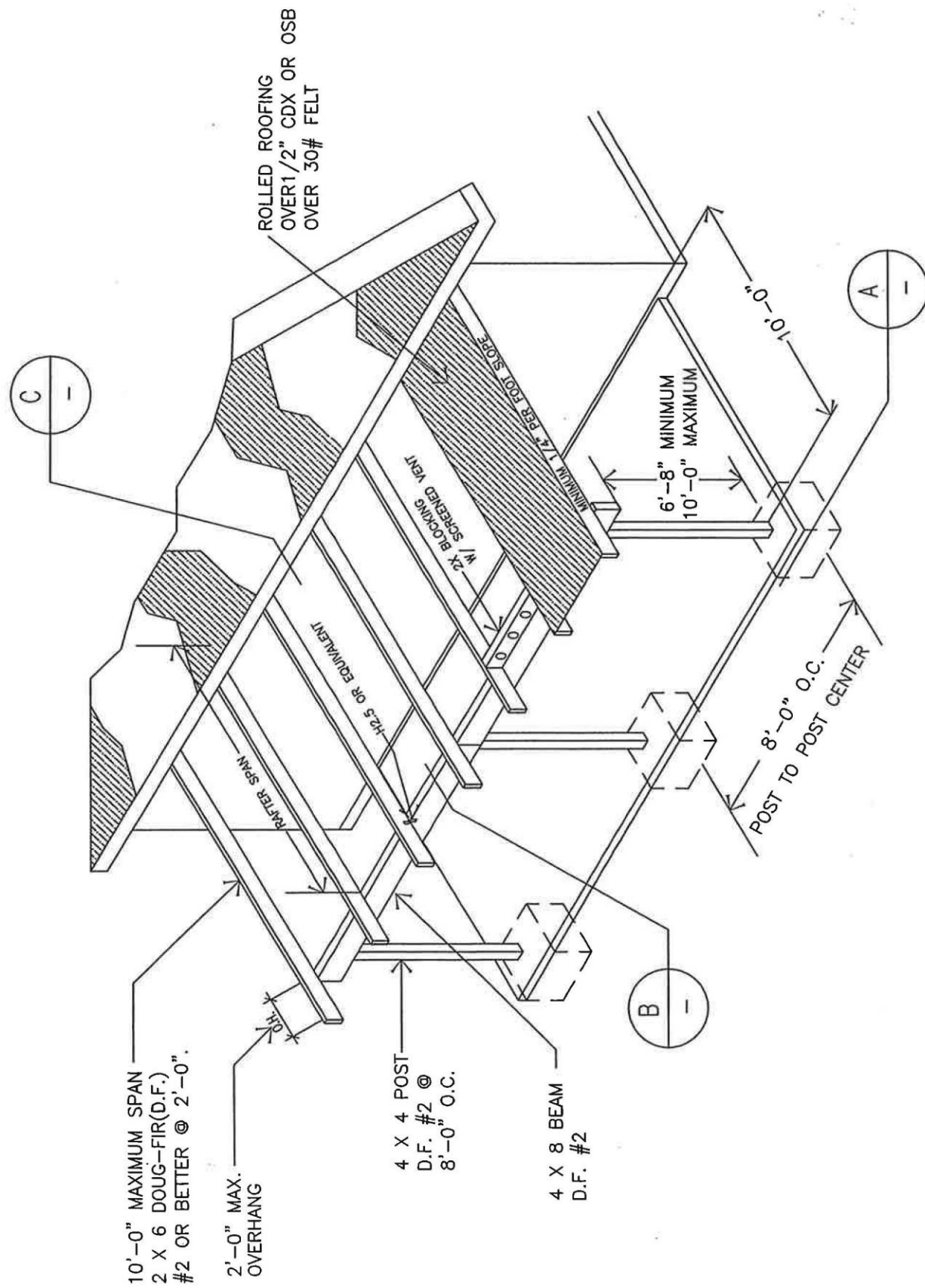
City of Tolleson Building Department
9555 W Van Buren
Tolleson Az 85353
☎ 623-936-7111



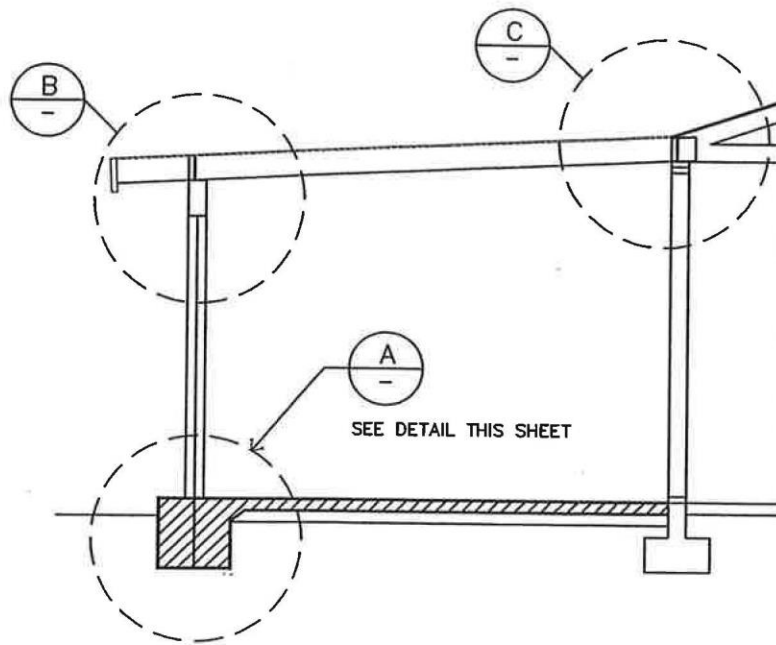
When submitting Patio Permit Application
please include this "framing detail" form.
Fill in all blank spaces

Typical Patio Framing Detail

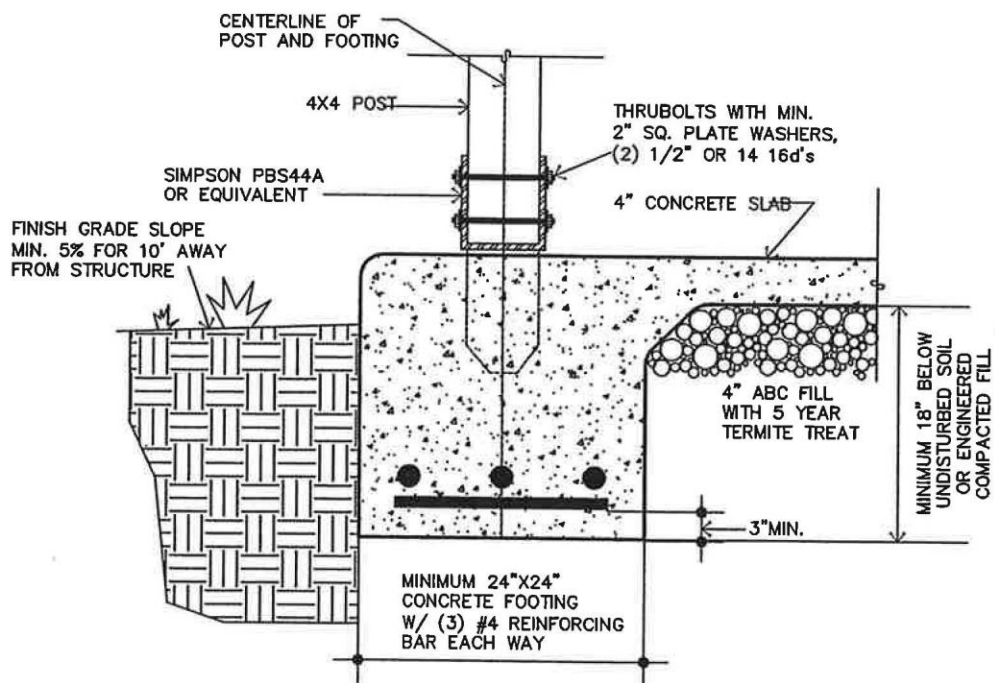




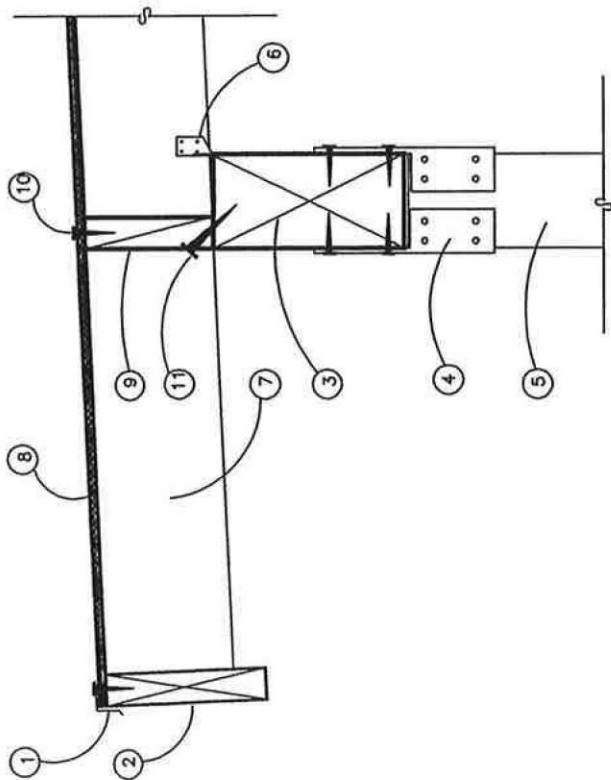
PATIO COVER



PATIO KEY SECTION

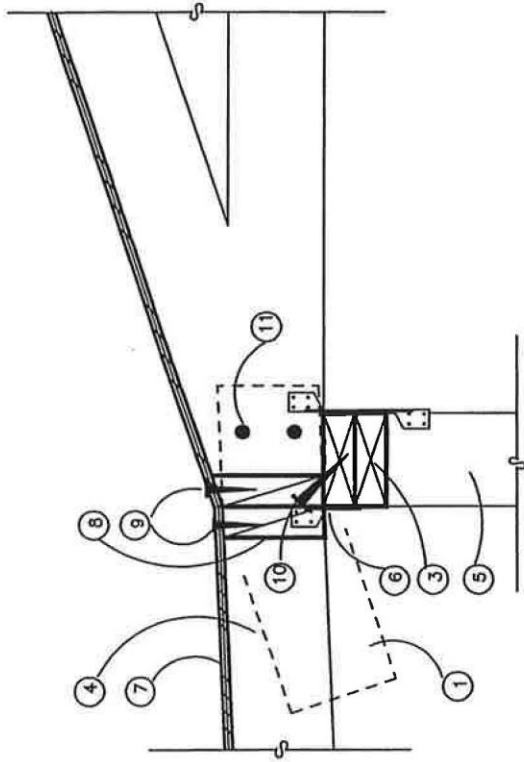


PATIO POST FOOTING



- ① GALVANIZED IRON DRIP EDGE
- ② 2 X 8 FASCIA
- ③ PATIO BEAM, SEE PLAN FOR SIZE
- ④ PC44 OR EQUIVALENT
- ⑤ POST, SEE PLAN FOR SIZE
- ⑥ H2.5 @ EA. ROOF RAFTER
- ⑦ PATIO RAFTER, SEE PLAN FOR SIZE & SPACING
- ⑧ 1/2" CDX PLYWOOD SHEATHING
- ⑨ 2 x SOLID BLOCKING
- ⑩ EDGE NAILING 8d @ 6" O/C MIN.
- ⑪ 3-16d/BAY TOENAILING TO TOP PLATE

B
-
PATIO BEAM
CONNECTION



- ① CUT OVERHANG OFF, FLUSH W/ TOP PLATE
- ② NOT USED
- ③ DOUBLE TOP PLATE
- ④ NEW JOISTS BEARING ON TOP PLATE, SEE PLAN FOR SIZE
- ⑤ EXISTING STUD WALL
- ⑥ H2.5 @ EA. ROOF RAFTER
- ⑦ 1/2" CDX PLYWOOD SHEATHING
- ⑧ 2 x SOLID BLOCKING
- ⑨ EDGE NAILING 8d @ 6" O/C MIN.
- ⑩ 3-16d/BAY TOENAILING TO TOP PLATE
- ⑪ MINIMUM TWO 10d NAIL

C
-
PATIO ROOF TO
EXISTING HOUSE

TABLE A: Allowable Spans for Rafters

SIZE*	SPACING	SPAN
2" x 6"	12"	15' 6"
	16"	14' 1"
	24"	11' 9"
2" x 8"	12"	20' 5"
	16"	18' 2"
	24"	14' 10"
2" x 10"	12"	25' 6"
	16"	22' 3"
	24"	18' 2"
2" x 12"	12"	Span exceeds 26' in length
	16"	25' 9"
	24"	21' 0"

TABLE B: Allowable Spans for Beams

SIZE*	10' DEPTH	15' DEPTH	20' DEPTH
4" x 6"	8' 0"	6' 6"	5' 6"
4" x 8"	11' 0"	9' 0"	7' 6"
4" x 10"	13' 6"	11' 0"	9' 6"
4" x 12"	16' 0"	13' 0"	11' 0"
4" x 14"	18' 0"	14' 6"	12' 6"

*Douglas Fir Larch #2