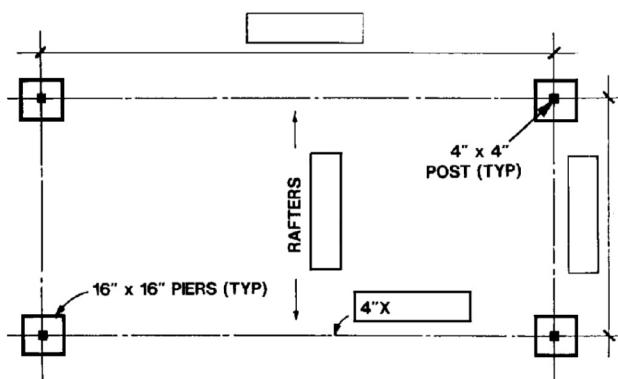




Building and Safety Division - Public Information

County of Ventura • Resource Management Agency • http://www.ventura.org/rma/build_safe
 Main Office • 800 S. Victoria Ave, Ventura, CA. 93009 • 805-654-2771
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DETACHED PATIO WITH ROOF OR TRELLIS COVER



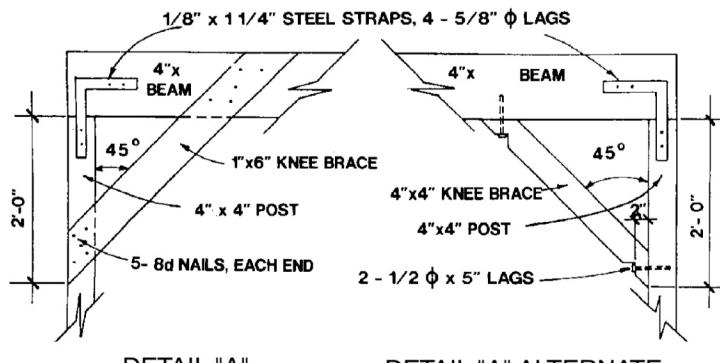
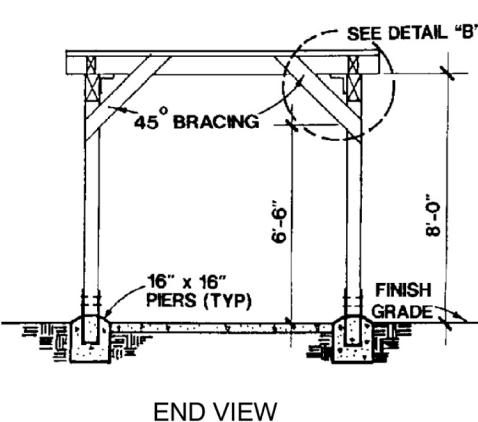
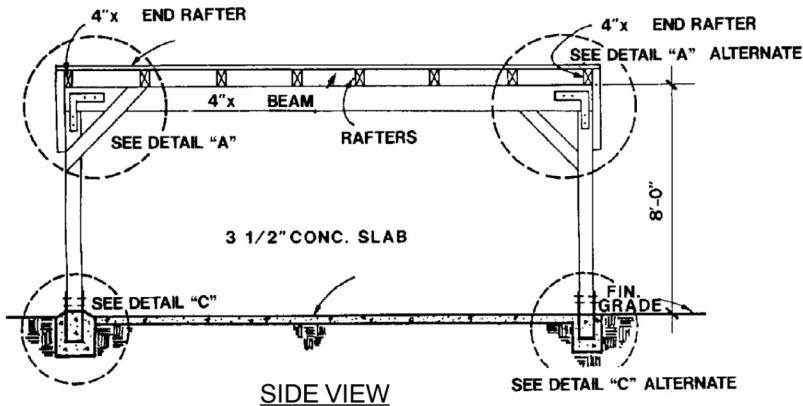
FOOTING PLAN
PLAN (SEE SPAN TABLE BELOW FOR FRAMING SIZES)

NOTES:

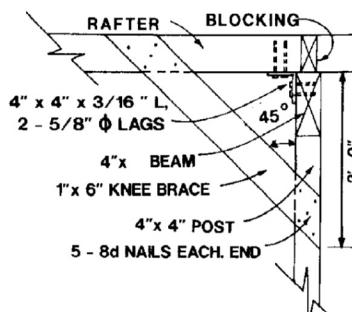
- Longer side and one additional side of patio shall be 65% open, below 6'-8" above the floor.
- One hour fire wall required when exterior face of post/wall is located less than 5'-0" from property line.
- Roof sheathing, when exposed to weather, plywood shall be of Exterior type. Use minimum 3/8" CDX plywood sheathing with 8d @ 6, 6,12 and panel span of 24/0 for rafter spacing up to 24" O.C. For rafter spacing exceeding 24" O.C., either use 2xT & G under the plywood **or** use plywood thickness nailing and panel span rating per CBC tables 2304.7 (1, 3, 4, 5)

ACCEPTABLE ROOF COVERING

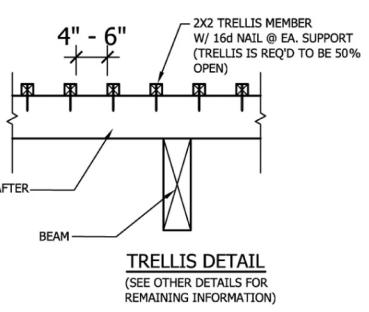
Pitch	Roof	
1. Asphalt shingles #235 One layer of 15# felt limit	Min. 4:12	Max. No.
2. Woodshakes/shingles Class B One layer of 30# felt limit	4:12	No
3. Built-up roof 3-15# felt & 1-90# cap sheet	1/2:12	2:12
4. Any class A/B built-up roofing assembly	per. mfr.	
5. Metal roofing 30 GA thickness for drainage	Adequate slope	



DETAIL "A"



DETAIL "B"



TRELLIS DETAIL
(SEE OTHER DETAILS FOR REMAINING INFORMATION)

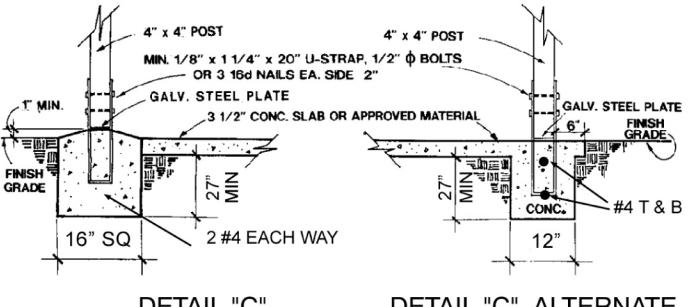
CONCRETE SLAB: 3 1/2 THICK WITH # 3 @ 24" O. C. EACH WAY

ALLOWABLE SPANS FOR ROOF RAFTERS AND HEADERS

Lumber: Douglas Fir-Larch, Surface-Dry condition (19% maximum moisture content.)

SIZE W x D	GRADE	RAFTER SPACING IN INCHES					
		12	16	24	32	42	48
2 x 4	SS	14-3	13-0	11-3	10-3	9-6	8-9
	#1+	14-0	12-9	11-3	9-6	8-6	7-9
	#1	13-9	12-6	10-3	9-0	7-9	7-3
	#2	13-6	12-0	9-9	8-3	7-3	6-9
2 x 6	SS	22-6	20-6	18-0	16-0	13-9	13-0
	#1+	22-3	20-0	16-3	14-3	12-3	11-6
	#1	21-6	18-9	15-3	13-3	11-6	10-9
	#2	20-3	17-6	14-3	12-3	10-9	10-0
2 x 8	SS	29-9	27-0	23-3	20-3	17-6	16-6
	#1+	25-3	25-6	20-9	18-0	15-9	14-6
	#1	27-3	23-9	19-3	16-9	14-6	13-6
	#2	25-6	22-3	18-0	15-6	13-6	12-9
2 x 10	SS	34-6	28-6	24-9	21-6	20-0	
	#1+	31-0	25-3	22-0	19-0	18-0	
	#1	29-0	23-6	20-6	17-9	16-9	
	#2	27-0	22-0	19-0	16-9	15-6	
2 x 12	SS	33-0	28-6	25-0	23-3		
	#1+	29-6	25-6	22-3	20-9		
	#1	27-6	23-9	20-9	19-3		

SIZE W x D	GRADE	RAFTER SPACING IN INCHES					
		48	60	72	96		
6 x 6	SS	20-9	18-6	16-9	14-6		
	#1	18-6	16-6	15-0	13-0		
6 x 8	SS	26-3	25-3	23-0	20-0		
	#1	24-9	21-9	20-3	18-0	16-6	
6 x 10	SS	32-0	30-0	26-9	24-6		
	#1	28-6	26-9	23-9	21-9		



DETAIL "C"

DETAIL "C", ALTERNATE



PLOT PLAN

NAME: _____

JOB ADDRESS: _____



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REVISED 11/06/08

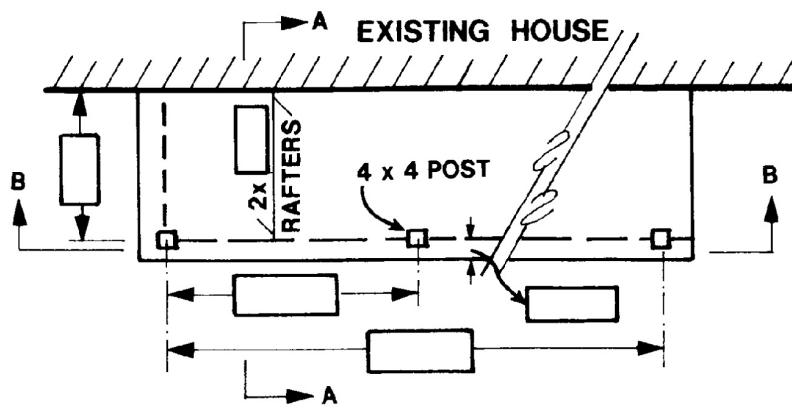
BEAM SIZE W x D	RAFTER SPAN (FT)	MAXIMUM POST SPACING (FT)		
		#1+; #1	#2	
4 x 6	8	12-0	10-0	
	12	10-0	10-0	
	14	10-0	8-0	
	16	8-0	8-0	
4 x 8	12	14-0	12-0	
	16	12-0	12-0	
	20	10-0	10-0	
	24	12-0	10-0	
4 x 10	16	14-0	14-0	
	20	14-0	12-0	
	24	12-0	12-0	
	28	12-0	10-0	
4 x 12	16	18-0	16-0	
	20	16-0	14-0	
	24	14-0	14-0	
	28	14-0	12-0	



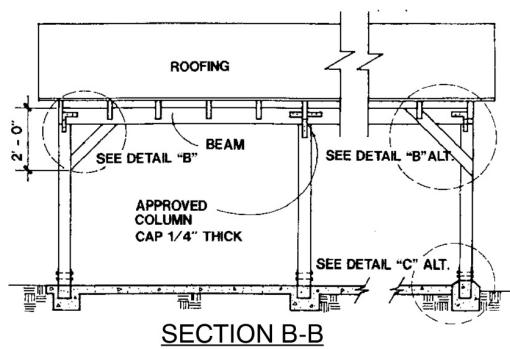
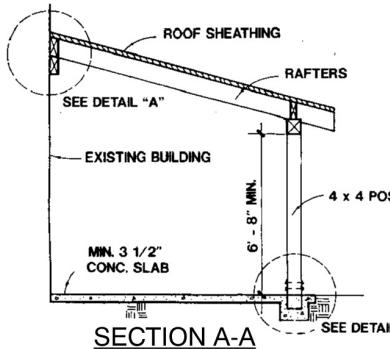
Building and Safety Division - Public Information

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 East County Office • 3855-F Alamo St., 2nd Fl. # 2019A, Simi Valley, CA 93065 • 805-582-8064

ATTACHED PATIO WITH ROOF OR TRELLIS COVER

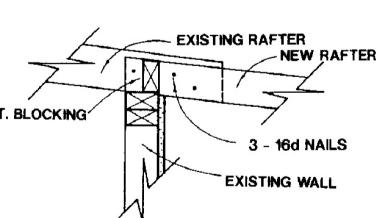
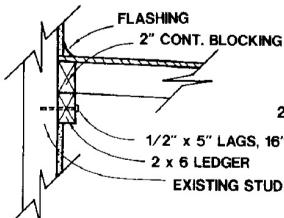


PLAN (SEE SPAN TABLE BELOW FOR FRAMING SIZES)



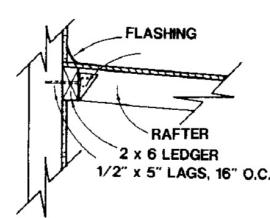
SECTION A-A

SECTION B-B

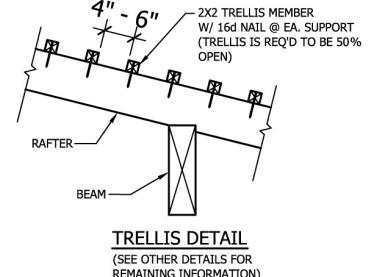


DETAIL "A"

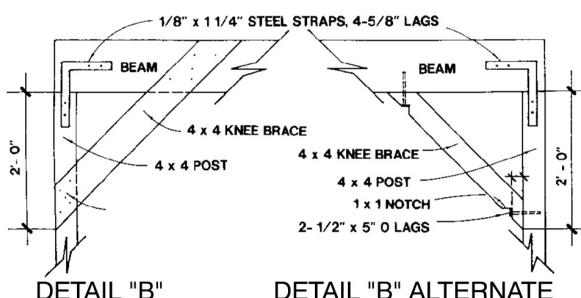
DETAIL "A", ALTERNATE 1



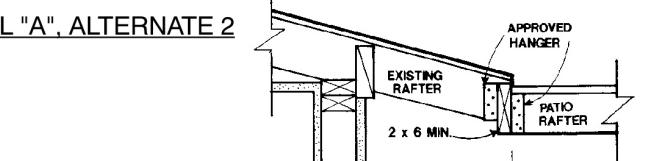
DETAIL "A", ALTERNATE 2



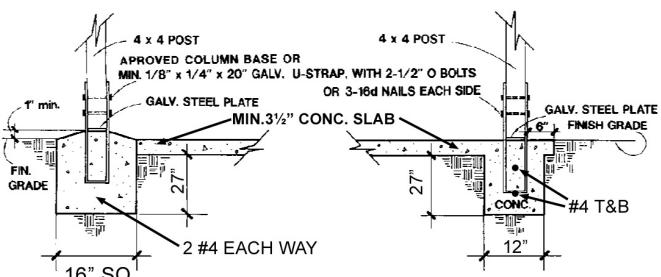
TRELLIS DETAIL
(SEE OTHER DETAILS FOR
REMAINING INFORMATION)



DETAIL "B" ALTERNATE



DETAIL "A", ALTERNATE 3



DETAIL "C"

DETAIL "C" ALTERNATE

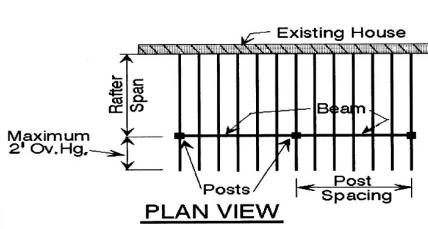
Note: ICC Approved Post-Beam Connectors May Be Substituted
 ALLOWABLE SPANS FOR ROOF RAFTERS AND HEADERS

Lumber: Douglas Fir-Larch, Surface-Dry condition (19% maximum moisture content.)

SIZE W x D	GRADE	RAFTER SPACING IN INCHES					
		12	16	24	32	42	48
2 x 4	SS	14-3	13-0	11-3	10-3	9-6	8-9
	#1+	14-0	12-9	11-3	9-6	8-6	7-9
	#1	13-9	12-6	10-3	9-0	7-9	7-9
	#2	13-6	12-0	9-3	8-3	7-3	6-9
2 x 6	SS	22-6	20-6	18-0	16-0	13-9	13-0
	#1+	22-3	20-0	16-3	14-3	12-3	11-6
	#1	21-6	18-9	15-3	13-3	11-6	10-9
	#2	20-3	17-6	14-3	12-3	10-9	10-0
2 x 8	SS	29-9	27-0	23-3	20-3	17-6	16-6
	#1+	29-3	25-6	20-9	18-0	15-9	14-6
	#1	27-3	23-9	19-3	16-9	14-6	13-6
	#2	25-6	22-3	18-0	15-6	13-6	12-9
2 x 10	SS	34-6	28-6	24-9	21-6	16-6	20-0
	#1+	31-0	25-3	22-0	19-0	16-0	18-0
	#1	29-0	23-6	20-6	17-9	16-9	15-6
	#2	27-0	22-0	19-0	16-9	14-6	12-9
2 x 12	SS	33-0	28-6	25-0	23-3	16-6	20-9
	#1+	29-6	25-6	22-3	20-9	17-9	19-3
	#1	27-6	23-9	20-9	17-9	14-6	12-9

SIZE W x D	GRADE	RAFTER SPACING IN INCHES					
		48	60	72	96		
6 x 6	SS	20-9	18-6	16-9	14-6		
6 x 6	#1	18-6	16-6	15-0	13-0		
6 x 8	SS	26-3	25-3	23-0	20-0		
6 x 8	#1	25-3	22-6	20-6	17-9		
6 x 10	SS	35-9	33-0	30-3	26-3		
6 x 10	#1	34-0	30-6	27-9	24-0		

BEAM SIZE W x D	RAFTER SPAN (FT)	MAXIMUM POST SPACING (FT)		
		#1+	#1	#2
4 x 6	8	12-0	10-0	
	12	10-0	10-0	
	14	10-0	8-0	
	16	8-0	8-0	
4 x 8	12	14-0	12-0	
	16	12-0	12-0	
	20	10-0	10-0	
	24	10-0	10-0	
4 x 10	16	14-0	14-0	
	20	14-0	12-0	
	24	12-0	12-0	
	28	12-0	10-0	
4 x 12	16	18-0	16-0	
	20	16-0	14-0	
	24	14-0	14-0	
	28	14-0	12-0	



PLAN VIEW

For Roofed Cover Only

NOTES:

1. Longer side and one additional side of patio shall be 65% open, below 6'-8" above the floor.

2. One hour fire wall required when exterior face of post/wall is located less than 5'-0" from property line.

3. Roof sheathing, when exposed to weather, plywood shall be of Exterior type. Use minimum 3/8" CDX plywood sheathing with 8d @ 6,6,12 and panel span of 24/0 for rafter spacing up to 24" O.C. For rafter spacing exceeding 24" O.C., either use 2x T & G under the plywood or use plywood thickness nailing and panel span rating per CBC tables 2304.7 (1, 3, 4, 5)

ACCEPTABLE ROOF COVERING

Roof	Min. Pitch	Max. Pitch
1. Asphalt shingles #235	Min. 4:12	No limit
2. Wood shingles/shingles Class B	4:12	No limit
3. Built-up roof 3-15# felt & 1-90# cap sheet	1/2:12	2:12
4. Any class A/B built-up roofing assembly	per. mfr.	
5. Metal roofing 30 GA thickness	Adequate slope for drainage	

NAME: _____

JOB ADDRESS: _____

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Revised 11/06/08