ATTACHED PATIO COVER AND TRELLIS City of SANTA ROSA Planning & Economic Development - Building Division THIS DRAWING DEPICTS MINIMUM CODE REQUIREMENTS PER THE 2022 CALIFORNIA CODE CYCLE - INFORMATION IS FOR REFERENCE ONLY AND IS NOT A SUBSTITUTE FOR ACCURATE DRAWINGS PREPARED FOR EACH PROPOSED CONSTRUCTION PROJECT LAST UPDATED: 29 AUGUST 2023 PATIO COVER DEFINITION (CRC APPENDIX H): A ONE-STORY STRUCTURE (NOT EXCEEDING 12'-0" IN HEIGHT), WITH OPEN OR GLAZED WALLS, THAT IS USED FOR RECREATIONAL OUTDOOR LIVING PURPOSES ASSOCIATED WITH A DWELLING UNIT - ENCLOSURE WALLS SHALL BE PROVIDE A SITE PLAN WITH INFORMATION SIMILAR TO THE SITE PLAN HANDOUT -PROVIDE A FRAMING PLAN SHOWING PURLIN PERMITTED TO BE OF ANY CONFIGURATION, PROVIDED THAT THE OPEN OR GLAZED AREA OF THE LONGER WALL AND ONE ADDITIONAL WALL IS NOT LESS THAN 65% OF THE AREA BELOW 6'-8" OF EACH WALL, MEASURED FROM THE FLOOR - PATIO COVERS ARE NOT TO BE USED AS CARPORTS, GARAGES, STORAGE ROOMS, OR HABITABLE ROOMS SIZES & SPACING, LOCATIONS OF POSTS, FOUNDATION DIMENSIONS, ETC. ROLLED / TORCH-DOWN OR ROOF DRAINAGE THROUGH **BUILT-UP ROOF GUTTERS AND DOWNSPOUTS** 1/2" MIN PLYWOOD SHEATHING WITH 8d @ 6"O.C. EDGE NAILING AND 8d @12"O.C. FIELD NAILING SPECIFY ROOF FRAMING SIZES AND TYPICAL SPACING - DESIGN PATIO COVER TO RESIST ALL APPLICABLE LOADS - ROOF LIVE LOADS ARE TO BE 24" MIN - VERIFY WITH ZONING ORDINANCE FIRE PROTECTION RQ'D TAKEN AS NO LESS THAN 10psf IF < 3'-0" EDGE NAILING SLOPE (1/4" / FT. MIN.) HURRICANE TIE @ 48" O.C. MAX 2X BLOCKING @ 4'-0" O C 2X BLK'G WITH APPROVED FRAMING CLIP AT EACH 26 GA. GALV. FLASHING STRIP BLOCK (EXAMPLE: SIMPSON 0 STRONG-TIE A35 @ 24" O.C.) JOIST HANGER SPECIFY BEAM SIZE, APPROVED 2X LEDGER WITH 1/2" DIA. X POST CAP, AND KNEE BRACES 5" LAG BOLT @ EA. STUD 26 GA. GALV. FLASHING STRIP EXISTING DOOR OPENING - INSTALL LEDGER ABOVE REQUIRED HEAD HEIGHTS, DOOR SWINGS, ETC. SPECIFY POST SIZE 10" MIN TREAD TYP 3'-0" MIN LANDING SETBACK MAY VARY MAINTAIN CONC. PER ZONING ORDINANCE -IF LESS THAN 10'-0", FIRE BELOW WEEP SCREED PROTECTION MEASURES MAY BE REQUIRED (4) RISERS OR MORE REQUIRES A HANDRAIL ABV SIDE CLEARANCE PER MANUFACTURER'S SPECIFY TYPE OF POST BASE RECOMMENDATIONS 26 GA. GALV FLASHING BTWN, NEW SLAB & WOOD FRAMING 12" MIN BELOW UNDISTURBED GRADE CLR CONTINUOUS FOOTING WITH # 3 DOWEL @ 24" O.C. #4 BARS TOP & BOTTOM AND AT 18"O.C. MAX (OR ALTERNATE AS SPECIFIED BY A LICENSED DESIGN PROFESSIONAL) 3-4" MIN CONCRETE SLAB WITH 6X6-10/10

WELDED WIRE FABRIC (REBAR CAN ALSO BE USED FOR THICKER SLABS) OVER 10 MIL VAPOR BARRIER OVER 4" FREE-DRAINING ROCK OVER COMPACTED SOIL (PER GEOTECHNICAL REPORT

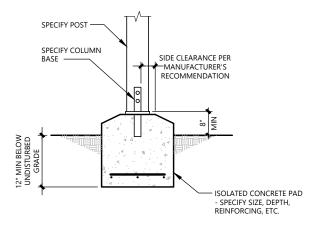
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IF AVAILABLE)

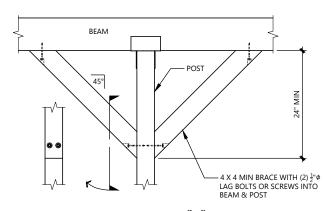
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ALT FOOTING DETAIL "A"

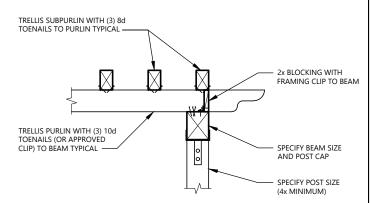


KNEE BRACE DETAIL "C"

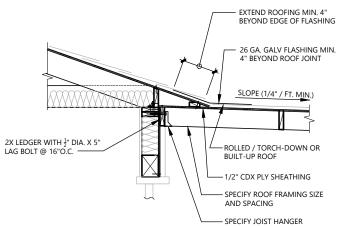
NOTE: FOR OTHER GRADES, SPECIES, AND SPAN CONDITIONS, SEE FULL SCHEDULES IN CRC TABLES R802.4.1(1) THROUGH R802.4.1(8) AND R802.5.1(1) THROUGH R802.5.1(2)

ALLOWABLE JOIST AND RAFTER SPANS					
DF/Larch #2	Spacing in	Ceiling Joist (No stor)	Rafter	Rafter	
Nominal Size	inches	LL=10 psf, DL=5 psf	LL=20 psf, DL=10 psf	LL=20 psf, DL=20 psf	
(inches)	on center	L/defl = 240	L/defl = 240 (recmnd)	L/defl = 240 (recmnd)	
2 x 4	12"	12' - 5"	9' - 10"	9' - 10"	
	16"	11' - 3"	8' - 11"	8' - 7"	
	24"	9' - 10"	7' - 10"	7' - 0"	
2 x 6	12"	19' - 6"	15' - 6"	14' - 7"	
	16"	17' - 8"	14' - 1"	12' - 7"	
	24"	15' - 0"	11' - 11"	10' - 4"	
2 x 8	12"	25' - 8"	20' - 5"	18' - 5"	
	16"	23' - 4"	18' - 5"	16' - 0"	
	24"	19' - 1"	15' - 1"	13' - 0"	
2 x 10	12"	NOTE "A"	26' - 0"	22' - 6"	
	16"	NOTE "A"	22' - 6"	19' - 6"	
	24"	23' - 3"	18' - 5"	15' - 11"	
2 x 12	12"	NOT IN CODE	NOTE "A"	26' - 0"	
	16"	NOT IN CODE	26' - 0"	22' - 7"	
	24"	NOT IN CODE	21' - 4"	18' - 6"	

NOTE "A": LENGTH EXCEEDS PROBABLE AVAILABILITY (TYPICALLY 24'-0" TO 26'-0") CHECK LOCAL SOURCES



TRELLIS DETAIL "B"



ALTERNATE CONNECTION DETAIL "D"

ALLOWABLE BE (DF # 1 OR BETTER)	AM SPANS	NOTES: BEAM SIZES ARE BASED ON A MAXIMUM JOIST SPAN OF 20'-0"
SPAN	BEAM SIZE	(10'-0" TRIBUTARY LOAD ON BEAM)
UP TO 4'-0"	4 x 4	1
4'-1" TO 6'-0"	4 x 6	1
6'-1" TO 8'-0"	4 x 8	
8'-1" TO 10'-0"	4 x 10	
10'-1" TO 12'-0"	4 x 12	

FOOTINGS ON EXPANSIVE SOILS:

FOOTING SYSTEMS ON EXPANSIVE SOIL SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE DAMAGE TO THE STRUCTURE FROM MOVEMENT OF THE SOIL

- DEPTH OF FOOTINGS BELOW THE NATURAL AND FINISHED GRADES SHALL NOT BE LESS THAN 24" FOR EXTERIOR AND 18" FOR INTERIOR FOOTINGS
- EXTERIOR WALLS AND INTERIOR BEARING WALLS SHALL BE SUPPORTED ON
- CONTINUOUS FOOTINGS
- FOOTINGS SHALL BE REINFORCED WITH (4) #4 BARS. ((2) EACH AT 3" CLEAR FROM
- CONCRETE FLOOR SLABS ON GRADE SHALL BE PLACED ON A 10 MILLIMETER MIN THICK VAPOR BARRIER MEMBRANE OVER A 4" FILL OF COARSE AGGREGATE SLABS SHALL BE AT LEAST 4" THICK AND BE REINFORCED WITH #3 OR #4 BARS AT 16" O.C. EACH WAY
- THE SOIL BELOW AN INTERIOR CONCRETE SLAB SHALL BE SATURATED WITH MOISTURE TO A DEPTH OF 18" PRIOR TO PLACING THE CONCRETE

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