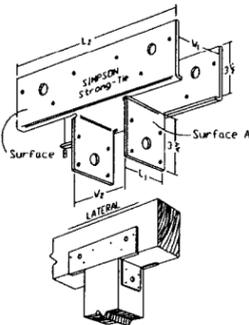
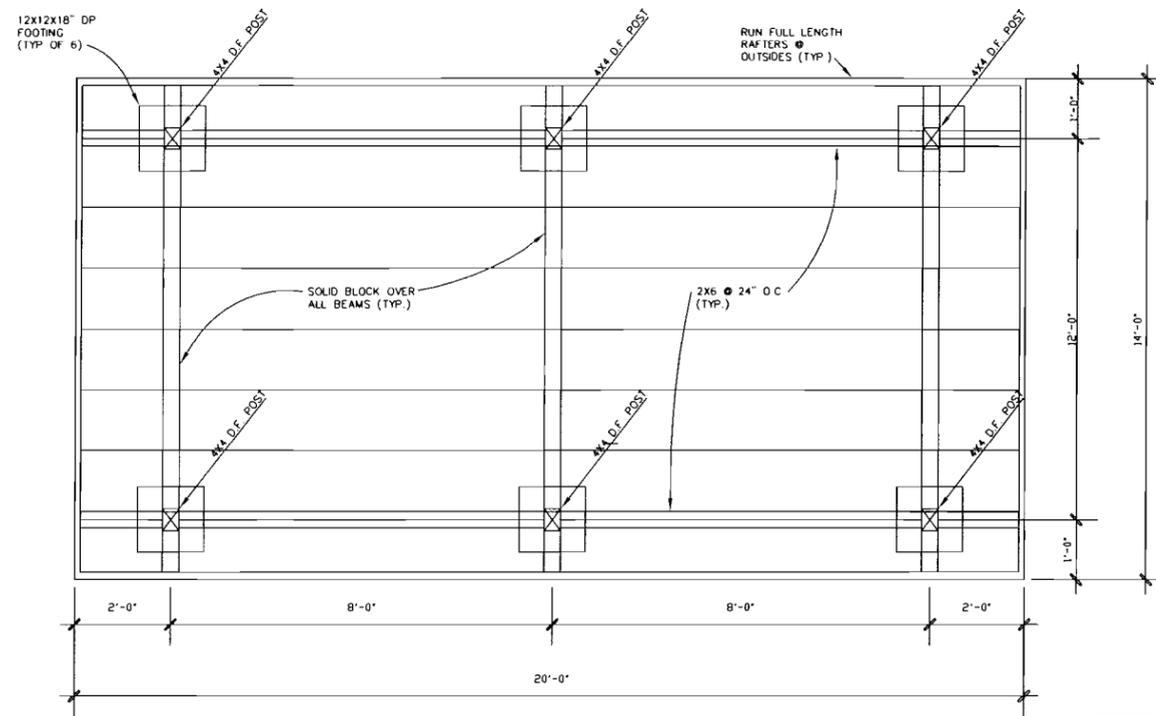


SIMPSON CBS44 BASE

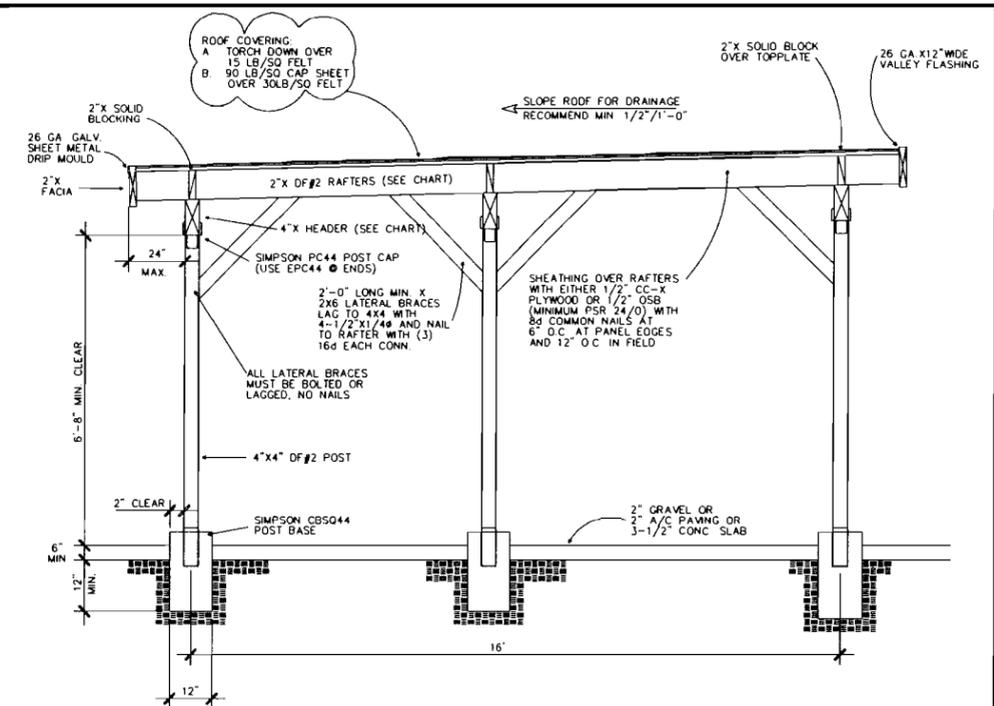


SIMPSON PC44 CAP

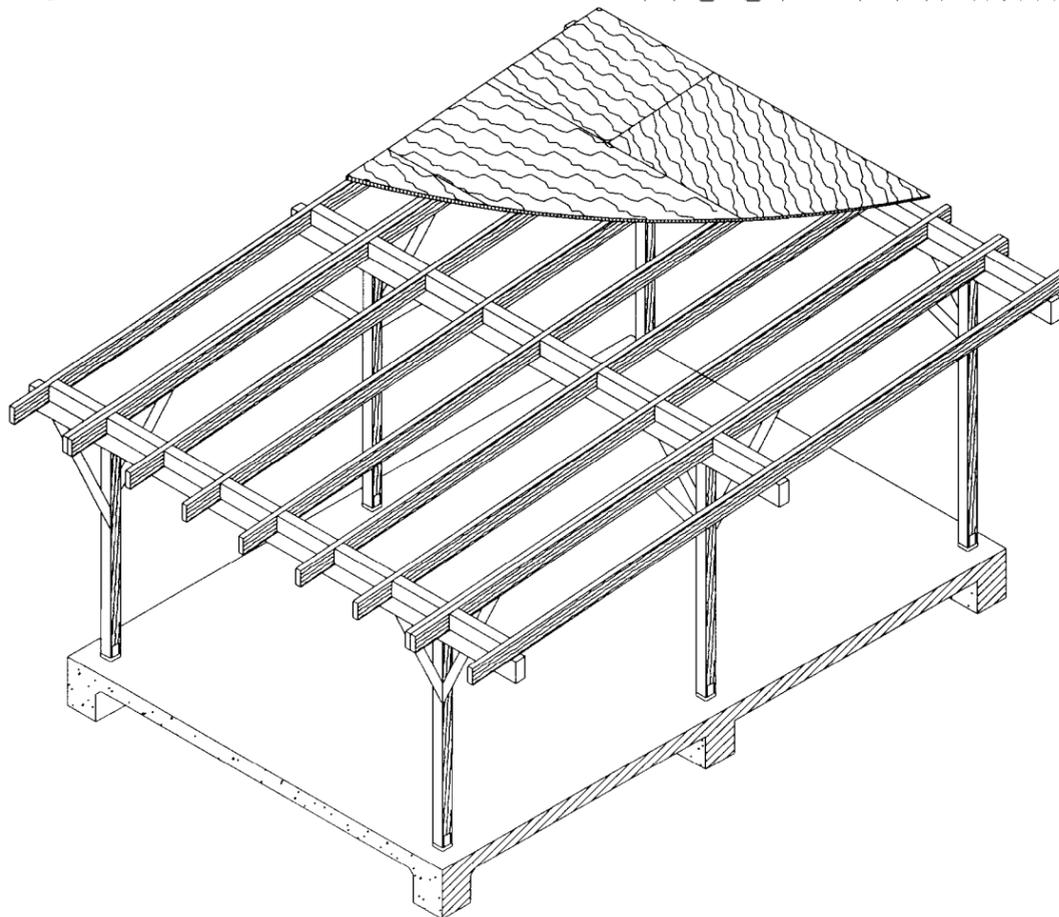
LOCATE AND EXPOSE ALL PROPERTY CORNERS AND STRING CORNERS TO VERIFY SETBACKS PRIOR TO FOUNDATION INSPECTION



ROOF FRAMING PLAN



TYPICAL CROSS SECTION



FRAMING SECTION

BEAM SPAN CHART

SPAN	HEADER
0-4'	4X4
4'-6'	4X6
6'-8'	4X8
8'-10'	4X10
10'-12'	4X12
12'-14'	4X14

RAFTER SPAN CHART

DESIGN CRITERIA:
 Strength -- Live load of 20 psf (0.96 kN/m²) plus dead load of 20 psf (0.96 kN/m²) determines the required bending value.
 Deflection -- For 20 psf (0.96 kN/m²) live load. Limited to span in inches (mm) divided by 240.

Rafter Size (in)	Spacing (in)	Bending Design Value Fb (psi)
x 25.4 for mm		1200
2 x 6	12.0	12-4
	16.0	10-8
	19.2	9-9
	24.0	8-8
2 x 8	12.0	16-3
	16.0	14-0
	19.2	12-10
	24.0	11-6
2 x 10	12.0	20-8
	16.0	17-11
	19.2	16-4
	24.0	14-8
E	12.0	25-2
	16.0	21-9
	19.2	19-11
	24.0	17-9

APPROVING AUTHORITY

Spec's By _____	COUNTY OF MADERA - ENGINEERING DEPT.	Date 7/10/2000
Drawn By J. Shields	FREESTANDING CARPORT	Scale NONE
APPROVED BY _____ COUNTY ENGINEER		Sheet No. 1
REVISIONS		

NAILING SCHEDULE

1. JOIST TO SILL OR GIRDER, TOENAIL	3	8d
2. BRIDGING TO JOIST, TOENAIL EACH END	2	8d
3. 1"x6" SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL	2	8d
4. WIDER THAN 1"x6" SUBFLOOR TO EACH JOIST, FACE NAIL	3	8d
5. 2" SUBFLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL	2	16d
6. SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16d	@ 16" O.C.
SOLE PLATE TO JOIST OR BLOCKING, AT BRACED WALL PANEL	3	16d PER 16"
7. TOP PLATE TO STUD, END NAIL	2	16d
8. STUD TO SOLE PLATE, TOE NAIL	4	8d OR 2-16d END NAIL
9. DOUBLE STUDS, FACE NAIL	16d	@ 24" O.C.
10. DOUBLE TOP PLATES, FACE NAIL	16d	@ 16" O.C.
DOUBLE TOP PLATES, LAP SPLICE	8	16d
11. BLOCKING BETWEEN JST/RFT TO TOP PLATE, TOE NAIL	3	8d
12. RIM JOIST TO TOP PLATE, TOE NAIL	8d	@ 6" O.C.
13. TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL	2	16d
14. CONTINUOUS HEADER, TWO PIECES	16d	@ 16" O.C. EACH EDGE
15. CEILING JOISTS TO PLATE, TOE NAIL	3	8d
16. CONTINUOUS HEADER TO STUD, TOE NAIL	4	8d
17. CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	3	16d
18. CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	3	16d
19. RAFTER TO PLATE, TOE NAIL	3	8d
20. 1" BRACE TO EACH STUD AND PLATE, FACE NAIL	2	8d
21. 1"x8" SHEATHING OR LESS TO EACH BEARING, FACE NAIL	2	8d
22. WIDER THAN 1"x8" SHTG TO EACH BEARING, FACE NAIL	3	8d
23. BUILT UP CORNER STUDS	16d	@ 24" O.C.
24. BUILT UP GIRDER AND BEAMS	20d	@ 32" O.C. AT TOP & BOTTOM & STAGGERED 2-20d AT ENDS & AT EACH SPLICE
25. 2"x PLANKS	2	16d @ EACH BEARING
26. WOOD STRUCTURAL PANELS AND PARTICLE BOARD:	2	
SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING):		
1/2" AND LESS	6d	3
19/32" - 3/4"	8d	4 OR 6d 5
7/8" - 1"	8d	3
1-1/8" - 1-1/4"	10d	4 OR 8d 5
COMBINATION SUBFLOOR-UNDERLAYMENT (TO FRAMING):		
3/4" AND LESS	6d	5
7/8" - 1"	8d	5
1-1/8" - 1-1/4"	10d	4 OR 8d 5
27. PANEL SIDING (TO FRAMING):		
1/2" OR LESS	6d	6
5/8"	8d	6
28. FIBERBOARD SHEATHING:		
1/2"	11 GA.	8
	6d	4
25/32"	16 GA.	9
	11 GA.	8
	6d	4
	16 GA.	9
29. INTERIOR PANELING		
1/4"	4d	10
3/8"	6d	11

1. COMMON OR BOX NAILS MAY BE USED EXCEPT WHERE OTHERWISE STATED.
2. NAILS SPACED AT 6" O.C. @ EDGES, 12" O.C. @ INTERMEDIATE SUPPORTS EXCEPT 6" O.C. AT ALL SUPPORTS WHERE SPANS ARE 48" OR MORE. FOR NAILING OF WOOD STRUCTURAL PANELS AND PARTICLEBOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTION 2314.3. NAILS FOR WALL SHEATHING MAY BE COMMON, BOX OR CASING.
3. COMMON OR DEFORMED.
4. COMMON.
5. DEFORMED SHANK.
6. CORROSION-RESISTANT SIDING OR CASING NAILS CONFORMING TO THE REQUIREMENTS OF SECTION 2325.1.
7. FASTENERS SPACED 3" O.C. AT EXTERIOR EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS.
8. CORROSION-RESISTANT ROOFING NAILS WITH 7/16" HEAD AND 1-1/2" LENGTH FOR 1/2" SHEATHING AND 1-3/4" LENGTH FOR 25/32" SHEATHING CONFORMING TO THE REQUIREMENTS OF SECTION 2325.1.
9. CORROSION-RESISTANT STAPLES WITH NOMINAL 7/16" CROWN AND 1-1/8" LENGTH FOR 1/2" SHEATHING AND 1-1/2" LENGTH FOR 25/32" SHEATHING CONFORMING TO THE REQUIREMENTS OF SECTION 2325.1.
10. PANEL SUPPORTS @ 16" (20" IF STRENGTH AXIS IN THE LONG DIRECTION OF THE PANELS, UNLESS OTHERWISE MARKED). CASING OR FINISH NAILS, SPACED 6" ON PANEL EDGES, 12" AT INTERMEDIATE SUPPORTS.
11. PANEL SUPPORTS @ 24". CASING OR FINISH NAILS SPACED 6" ON PANEL EDGES, 12" AT INTERMEDIATE SUPPORTS.

FRAMING NOTES

1. UNLESS OTHERWISE SPECIFIED IN THE PLANS, ALL HORIZONTAL LUMBER TO BE DOUGLAS FIR #2 OR BETTER. ALL VERTICAL LUMBER TO BE STANDARD CONSTRUCTION GRADE OR BETTER. ALL LUMBER SHALL BE LEGIBLY GRADE STAMPED. ALL WOOD IN CONTACT WITH CONCRETE TO BE PRESSURE TREATED DOUGLAS FIR OR FOUNDATION GRADE REDWOOD.
2. UNLESS OTHERWISE SPECIFIED IN THE PLANS, HEADERS OVER ALL EXTERIOR OPENINGS SHALL BE 4"x12" DF#2.
3. PLYWOOD ROOF SHEATHING SHALL BE STANDARD GRADE OR STANDARD WITH EXTERIOR GLUE. PLYWOOD SHEATHING AT OVERHANGS OR OTHERWISE EXPOSED TO THE WEATHER SHALL BE CC EXTERIOR APA GRADE OR BETTER. SEE NAILING SCHEDULE FOR PLYWOOD FASTENING. ALL PLYWOODS USED FOR FLOORING TO ALSO BE GLUED TO EACH FLOOR JOIST BELOW CONTINUOUSLY. UNLESS OTHERWISE NOTED, PLYWOOD SHALL BE INSTALLED PERPENDICULAR TO THE MEMBER IT COVERS.
4. UNLESS OTHERWISE SPECIFIED, ALL WALL FRAMING TO INCLUDE MINIMUM 2"x SOLE PLATE TO 2"x STUDS AT 16" O.C. TO DOUBLE 2"x TOP PLATE. LAP TOP PLATE AT 4'-0" O.C. WITH 6-16D EACH LEG. IF STUD LENGTH EXCEEDS 8', FIRE BLOCKING REQUIRED. INSTALL 1"x6" LATERAL, LET-IN BRACING, ONE PIECE FOR EVERY 25 LINEAL FT. OF EXTERIOR WALL OR PORTION THEREOF, WHERE THE ANGLE TO THE HORIZ. IS NOT LESS THAN 45 DEGREES. USE SINGLE TRIMMER AND KINGSTUD UP TO ROUGH OPENINGS OF 6'-1", AND USE DOUBLE TRIMMER FOR OPENINGS FROM 6'-2" TO 10'-1", AND ADD DOUBLE KINGSTUD FOR OPENINGS LARGER THAN 10'-1".
5. CUTTING AND NOTCHING OF RAFTERS, JOISTS AND BEAMS SHALL BE LIMITED TO THE OUTER 1/3 AT EACH END, AND SHALL NOT EXCEED 1/5 OF THE DEPTH OF THE MEMBER UNLESS THE MEMBER HAS BEEN OVERSIZED FOR IT. BORING OF RAFTERS, JOISTS AND BEAMS SHALL BE LIMITED TO THE MIDDLE 1/2 OF THE MEMBER, AND SHALL NOT EXCEED 1/4 DEPTH OF THE MEMBER NOR CLOSER THAN 2" FROM THE TOP OR BOTTOM EDGE UNLESS THE MEMBER HAS BEEN OVERSIZED FOR IT. BORING IN PLATES AND STUDS SHALL BE LIMITED TO 1-1/4" FOR 2"x4" NOT CLOSER THAN 3/4" TO EDGE AND 1-3/4" FOR 2"x6" NOT CLOSER THAN 1" TO EDGE.
6. LAP AND FACE NAIL WHERE POSSIBLE ALL JOISTS OVER FULL BEARING OF PARTITION OF AT LEAST 12". WHERE CEILING JOISTS ARE PARALLEL TO ROOF RAFTERS, COLLAR TIES MAY BE OMITTED IF JOISTS PROVIDE TYING OF RAFTERS AT PLATE. OTHERWISE, RAFTERS WILL HAVE MINIMUM 1"x6" COLLAR TIES AT 48" O.C. USE 2"x PURLINS OF THE SAME WIDTH AS THE RAFTERS THEY SUPPORT WHEREVER POSSIBLE WITH 2"x4" DIAGONAL BRACING NOT LOWER THAN 45 DEGREES FROM HORIZ. AT 48" O.C. BLOCK OR BRIDGE RAFTERS AT 10'-0" O.C. AND JOISTS AT 8'-0" O.C. INSTALL DOUBLE JOISTS UNDER ALL PARALLEL PARTITIONS. INSTALL DOUBLE RAFTERS UNDER ALL MECHANICAL HVAC UNITS.
7. FLASH AND COUNTER FLASH AT ALL ROOF TO VERTICAL WALL INTERSECTIONS.

FOUNDATION NOTES

1. CONCRETE CONTRACTOR TO CHECK AND VERIFY FINISH FLOOR ELEVATION PRIOR TO POURING CONCRETE.
2. CONCRETE MUST BE 6" ABOVE GRADE WHERE SUPPORTING WOOD.
3. ALL CONCRETE TO TEST 2,500 PSI AT 28 DAYS UNLESS OTHERWISE NOTED.
4. ALL FOOTINGS TO BE IN NATURAL, UNDISTURBED SOIL UNLESS A SOILS TEST HAS BEEN PERFORMED.
5. EXCEPT WHERE OTHERWISE NOTED, CONCRETE SLAB FLOORS WILL BE NOT LESS THAN 3-1/2" THICK.

FLOOR PLAN NOTES

1. JOB CARD TO BE AVAILABLE FOR SIGNATURE AT JOB SITE.
2. PROVIDE A DIMENSIONED COPY OF THE FLOOR PLAN FOR THE COUNTY ASSESSOR'S OFFICE.
3. SURFACE WATER SHALL BE DRAINED AWAY FROM THE BUILDING FOR THE FIRST 5' BY AT LEAST 2% GRADE. THE OVERALL LOT DRAINAGE MUST BE NOT LESS THAN 1%.

GENERAL NOTES

ALL CONSTRUCTION SHALL COMPLY WITH ADOPTED ORDINANCES AND POLICIES OF THE GOVERNING AGENCY AND THE LATEST ADOPTED EDITIONS OF THE FOLLOWING: UNIFORM BUILDING CODE (UBC), UNIFORM PLUMBING CODE (UPC), UNIFORM MECHANICAL CODE (UMC), UNIFORM FIRE CODE, AND THE NATIONAL ELECTRICAL CODE (NEC).

THE CONTRACTOR SHALL ERECT AND MAINTAIN, AS REQUIRED BY EXISTING CONDITIONS AND PROGRESS OF THE WORK, ALL REASONABLE SAFEGUARDS FOR SAFETY AND PROTECTION INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS, PROMULGATING SAFETY REGULATIONS AND NOTIFYING OWNERS AND USERS OF ADJACENT UTILITIES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF ALL DIMENSIONS, GRADES AND OTHER CONDITIONS, AND HE SHALL CORRELATE ALL SUCH ITEMS AT THE JOBSITE. HE SHALL REPORT ANY DISCREPANCIES TO THE DESIGNER FOR CLARIFICATION AND/OR CORRECTION PRIOR TO BEGINNING WORK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE WORK AND COORDINATION OF ALL TRADES WITH THE GOVERNING AGENCIES, AND SHALL PROVIDE ALL MATERIALS AND LABOR SHOWN IN THESE PLANS TO RENDER THE JOB COMPLETE.

THE IDEAS, DESIGNS AND ARRANGEMENTS REPRESENTED BY THESE DRAWINGS AND SPECIFICATIONS ARE, AND SHALL REMAIN, THE PROPERTY OF THE DESIGNER. NO PART THEREOF SHALL BE COPIED, DISCLOSED TO OTHERS, OR USED IN CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THE PROJECT SPECIFIED IN THESE DRAWINGS, WITHOUT THE WRITTEN PERMISSION OF THE DESIGNER.

APPROVING AUTHORITY

Spec's By _____	COUNTY OF MADERA - ENGINEERING DEPT.	Date 7/10/2000
Drawn By _____ J. Shields _____	FREESTANDING CARPORT	Scale NONE
APPROVED BY _____ COUNTY ENGINEER		Sheet No. 2
REVISIONS		