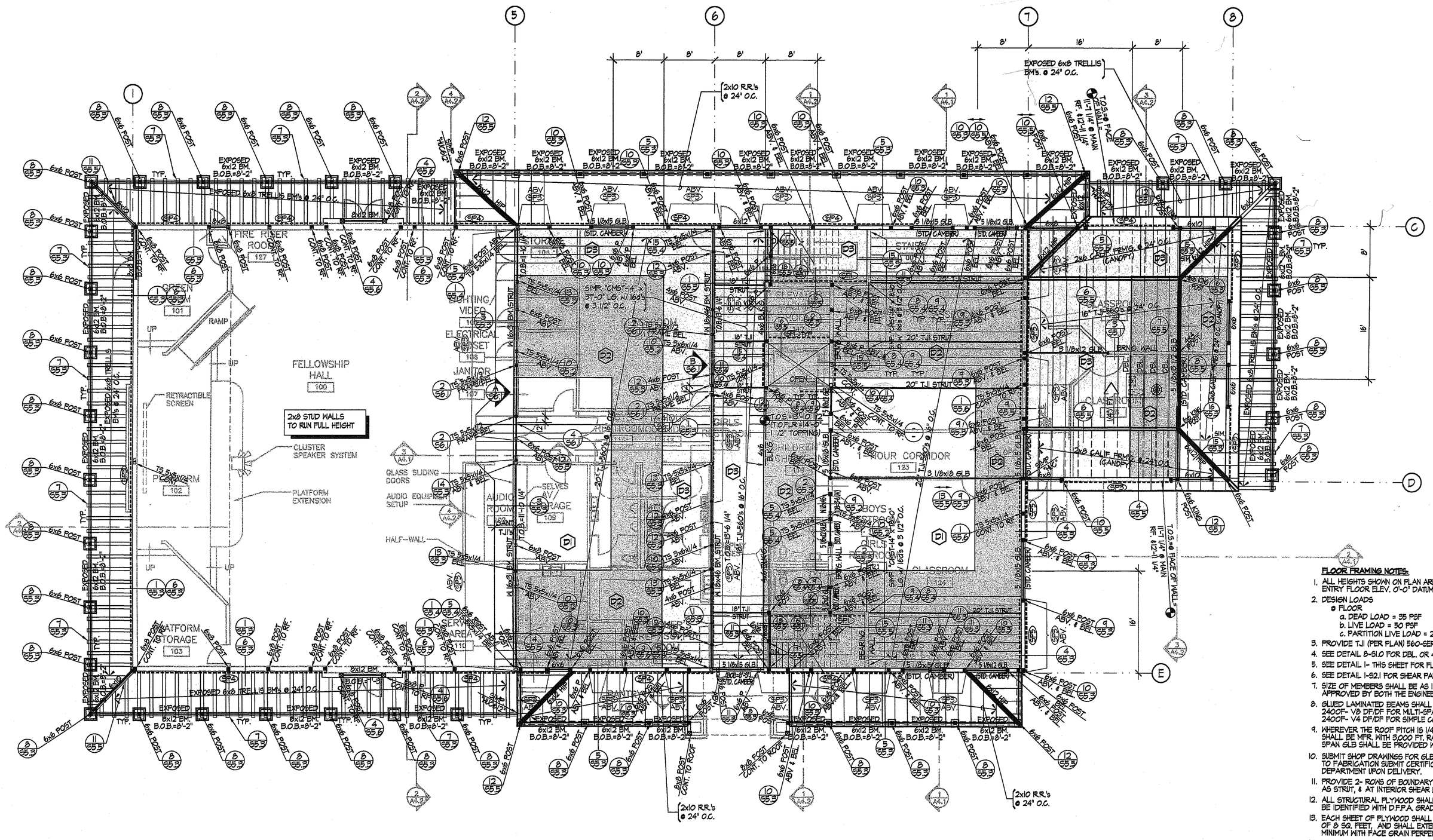
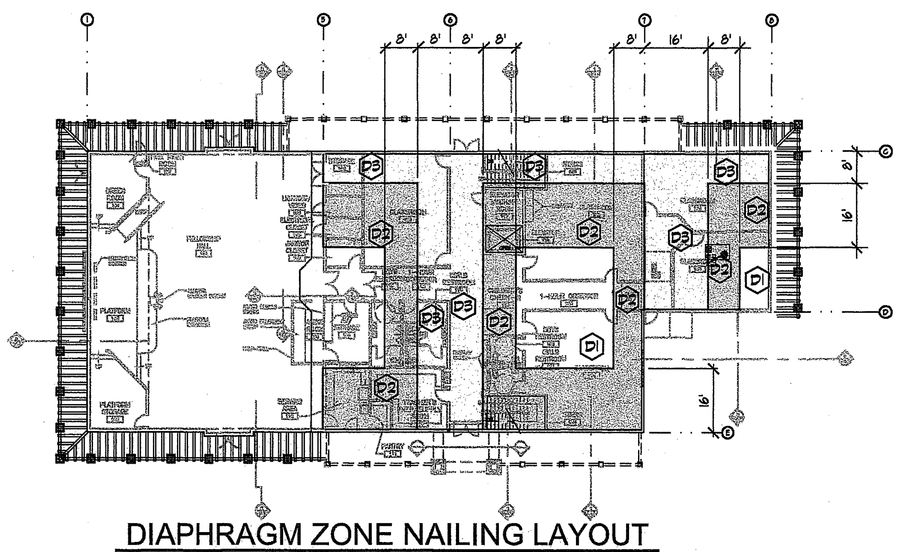


LOW ROOF / SECOND FLOOR FRAMING

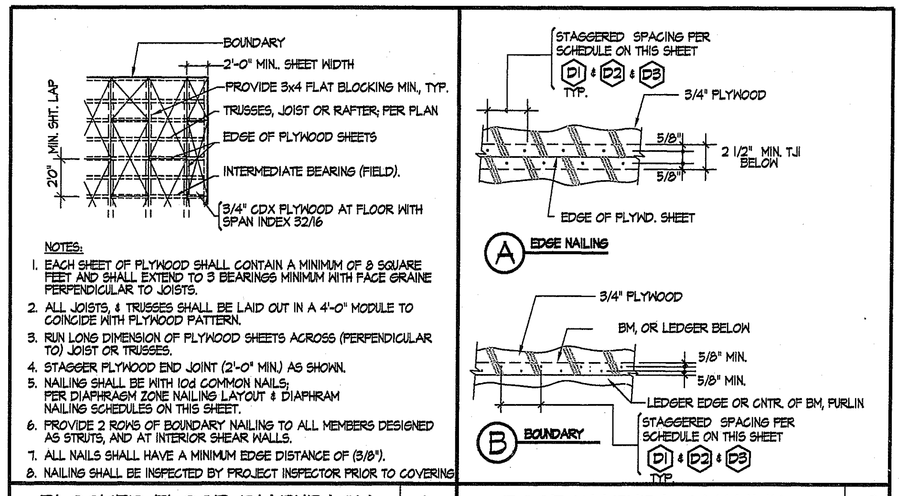
1/8"=1'-0"



DIAPHRAGM ZONE NAILING LAYOUT

ROOF DIAPHRAGM NAILING SCHEDULE		
AREA	PLYWOOD AND NAILING DEFINITION	ALLOWABLE SHEAR
D1	23/32" CDX PLYWOOD, W/ 10d NAILS @ 6" O.C. BOUNDARY 6" O.C EDGES AND 12" O.C. FIELD. PROVIDE 5x (MIN.) FRAMING & BLOCKING	320 LB/FT.
D2	23/32" CDX PLYWOOD, W/ 10d NAILS @ 4" O.C. BOUNDARY 6" O.C EDGES AND 12" O.C. FIELD. PROVIDE 5x (MIN.) FRAMING & BLOCKING	425 LB/FT.
D3	23/32" CDX PLYWOOD, W/ 10d NAILS @ 2 1/2" O.C. BOUNDARY 4" O.C EDGES AND 12" O.C. FIELD. PROVIDE 5x (MIN.) FRAMING & BLOCKING	720 LB/FT.

NOTE: SEE SCHEDULE FOR PLYWOOD & NAILING REQUIRED.
SEE DETAIL 1 & 2-S4.1 FOR TYP. DIAPHRAGM LAYOUT
AND MIN-PLAN FOR LOAD HORIZ. DIAPHRAGM NAILING LAYOUT
* 23/32" PLYWOOD NOTED AS 3/4" ON DETAILS



NOTES:

1. EACH SHEET OF PLYWOOD SHALL CONTAIN A MINIMUM OF 8 SQUARE FEET AND SHALL EXTEND TO 3 BEARINGS MINIMUM WITH FACE GRAINE PERPENDICULAR TO JOISTS.
2. ALL JOISTS, & TRUSSES SHALL BE LAID OUT IN A 4'-0" MODULE TO COINCIDE WITH PLYWOOD PATTERN.
3. RUN LONG DIMENSION OF PLYWOOD SHEETS ACROSS (PERPENDICULAR TO) JOIST OR TRUSSES.
4. STAGGER PLYWOOD END JOINT (2'-0" MIN.) AS SHOWN.
5. NAILING SHALL BE WITH 10d COMMON NAILS; PER DIAPHRAGM ZONE NAILING LAYOUT & DIAPHRAM NAILING SCHEDULES ON THIS SHEET.
6. PROVIDE 2 ROWS OF BOUNDARY NAILING TO ALL MEMBERS DESIGNED AS STRUTS, AND AT INTERIOR SHEAR WALLS.
7. ALL NAILS SHALL HAVE A MINIMUM EDGE DISTANCE OF (3/8").
8. NAILING SHALL BE INSPECTED BY PROJECT INSPECTOR PRIOR TO COVERING

BLOCKED FLOOR DIAPHRAGM | 1 | ROOF DIAPHRAGM NAILING | 2

FLOOR FRAMING NOTES:

1. ALL HEIGHTS SHOWN ON PLAN ARE FROM ENTRY FLOOR ELEV. 0'-0" DATUM.
2. DESIGN LOADS
   @ FLOOR
   a. DEAD LOAD = 35 PSF
   b. LIVE LOAD = 50 PSF
   c. PARTITION LIVE LOAD = 20 PSF
3. PROVIDE TJI (PER PLAN) 560-SERIES FLOOR JOISTS @ 16" O.C. U.N.O.
4. SEE DETAIL 8-S1.0 FOR DBL. OR 4x6 TOP PLATE SPLICE REQUIREMENTS.
5. SEE DETAIL 1- THIS SHEET FOR FLOOR DIAPHRAGM NAILING & SPECIFICATIONS.
6. SEE DETAIL 1-S2.1 FOR SHEAR PANEL CONSTRUCTION
7. SIZE OF MEMBERS SHALL BE AS INDICATED ON THE PLANS UNLESS APPROVED BY BOTH THE ENGINEER & ARCHITECT IN WRITING.
8. GLUED LAMINATED BEAMS SHALL BE COMBINATION 2400F- V3 DF/DF FOR MULTI-SPAN & CANT. CONDITION 2400F- V4 DF/DF FOR SIMPLE CONDITION
9. WHEREVER THE ROOF PITCH IS 1/4" OR LESS, THE SIMPLE SPAN GLB SHALL BE MFR. WITH 3,000 FT. RADIUS STANDARD CAMBER, MULTIPLE SPAN GLB SHALL BE PROVIDED WITH NO CAMBER (U.N.O.)
10. SUBMIT SHOP DRAWINGS FOR GLB's TO ENGINEER FOR REVIEW PRIOR TO FABRICATION SUBMIT CERTIFICATE OF COMPLIANCE TO BUILDING DEPARTMENT UPON DELIVERY.
11. PROVIDE 2- ROWS OF BOUNDARY NAILING TO ALL MEMBERS DESIGNED AS STRUT, & AT INTERIOR SHEAR WALLS.
12. ALL STRUCTURAL PLYWOOD SHALL CONFORM TO PS-1-95, AND SHALL BE IDENTIFIED WITH D.F.P.A. GRADE TRADEMARK.
13. EACH SHEET OF PLYWOOD SHALL CONTAIN A MINIMUM OF 8 SQ. FEET, AND SHALL EXTEND TO 3 BEARINGS MINIMUM WITH FACE GRAIN PERPENDICULAR TO JOISTS.
14. LAG SCREWS SHALL HAVE LEAD HOLES W/ DIAMETERS EQUAL TO 70% OF THOSE OF LAGS, AND THE SAME LENGTHS AS LAGS.
15. PROVIDE DOUBLE JOISTS OR DOUBLE BLOCK AROUND ALL OPENINGS IN ROOF. NO OPENINGS WILL BE PERMITTED IN ROOF OTHER THAN THOSE SHOWN WITHOUT THE ENGINEER'S APPROVAL.
16. TRIM OUT ALL MECHANICAL OPENINGS THRU ROOF W/ 2x4 FLAT BLK'G. AND USE SIMPSON "Z2" CLIPS EACH END.
17. PROVIDE SIMPSON "PC" OR "EPC" POST CAPS @ ALL POST TO BEAM CONNECTIONS, UNLESS NOTED OTHERWISE ON PLANS AND DETAILS.
18. CEILING JOIST SPAN SHALL COMPLY TO TABLE #25-I-V-J-3 OF C.B.C.
19. SEE SHEET S1.1 FOR SPECIAL INSPECTION NOTES AND REQUIREMENTS.
20. SEE SHEET S1.1 FOR ALL ABBREVIATIONS, STRUCTURAL SYMBOLS / LEGEND AND SPECIAL INSPECTION NOTES.
21. THE BUILDING DEPARTMENT SHALL BE NOTIFIED FOR FLOOR DIAPHRAGM NAILING INSPECTION.
22. PLYWOOD WEB JOISTS SHALL BE AS MANUFACTURED BY TRUSS JOISTS CORP. & SHALL CONFORM TO ALL ASPECTS TO NER-200.
22. TRUSS FABRICATION NOTES:
    a. SHOP DRAWINGS AND STRUCTURAL CALCULATIONS SHALL BE PREPARED BY THE FABRICATOR, SUBMITTED FOR APPROVAL TO THE ARCHITECT OR ENGINEER OF RECORD PRIOR TO BEING SUBMITTED FOR REVIEW TO THE BUILDING OFFICIAL.
    b. THE STRUCTURAL DESIGN OF THE TRUSSES SHALL INCLUDE ALL DEAD AND LIVE LOADS REQUIRED BY THE CALIFORNIA BUILDING CODE, INCLUDING FIRE SPRINKLER LOADS, HVAC EQUIPMENT LOADS AND ALL CHORD AXIAL LOADS DUE TO SEISMIC FORCES.
    c. NO ROOF SHEATHING OR FRAMING INSPECTION SHALL BE PERFORMED UNTIL THE APPROVED TRUSS PLANS ARE ON THE JOB SITE AND AVAILABLE FOR INSPECTION.
    d. EACH TRUSS SHALL BE LEGIBLY BRANDED, MARKED, OR OTHERWISE PERMANENTLY AFFIXED THERE TO THE FOLLOWING INFORMATION WITHIN TWO FEET OF THE CENTER OF THE BOTTOM CHORD.
       1) IDENTITY OF THE COMPANY MANUFACTURING TRUSS
       2) THE DESIGN LOAD.
       3) THE TRUSS SPACING
    e. TRUSSES MAY BE A DEFERRED ITEM FOR COMPETITIVE BID.
    f. TRUSS FABRICATOR SHALL SUBMIT, NAME, AND PHONE NUMBER OF THE AGENCY INSPECTING THE SHOP OPERATIONS.
23. PROVIDE STEEL SHOP DRAWINGS FOR REVIEW AND APPROVAL BY THE ENGINEER OF RECORD.
21. CONTRACTOR SHALL PROVIDE VERTICAL SUPPORT BY STACKING ALL POST & MULTIPLE STUDS DOWN TO THE LOWEST LEVEL.
22. ALL SHEAR WALL DESIGNATIONS SHOWN ON THIS PLAN ARE BELOW U.N.O.; REFER TO PLANS RELATIVE FOR WALL REFERENCE.
23. PROVIDE 6x6 POST IN WALL LINE DIRECTLY UNDER ALL HIP TRUSSES, VALLEY TRUSSES AND GIRDER TRUSSES CONT. STACKED DOWN TO THE EXTREM LOWEST LEVEL TYP. U.N.O.
24. PROVIDE 6x6 POST AT THE ENDS OF ALL SHEAR WALL PANELS TYP. U.N.O. AND PROVIDE HOLDOWN STRAPS AT END OF EACH SHEARWALL PER DETAIL 10/S3

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PROJECT

CALVARY CHAPEL OF THE HIGH DESERT
14740 EUCALYPTUS
HESPERIA, CA
92345

PROJECT

FELLOWSHIP HALL

ISSUANCES

OWNERS MEETING	03-08-04
PLANNING REVIEW	06-01-06
PLANNING SUBMITTAL	01/31/07

REVISIONS

WEISER IRON
MAR 30 2007
RECEIVED

TITLE

LOW ROOF / 2nd FLOOR FRAMING

SCALE 1/8"=1'-0"

DATE 3-26-07

JOB NO. S4.1.dwg

S4.1

Drawing name: Z:\2.0 0 7\Brian Bloom\H.D. CALVARY CHAPEL CHIRO\RESTRUCTURAL\S4.1.dwg Mar 27, 2007 - 3:08am