PLYWOOD SHEARWALL SCHEDULE

0669-20MOD

TYPE	PLYWOOD/OSB SHEATHING (NOTE #1)	FRAMING (STUDS & PLATES) MATERIAL (NOTE #2)	3"-P NAILS AT PLYWOOD PANEL EDGES (NOTE #3)	SST A35 FRAMING CLIPS AT TOP OF WALL (NOTE #4)	3 1/4" NAIL SPACING IN BOTTOM R's OF UPPER FLOOR WALLS	5/8"ø ANCHOR BOLT SPACING ON LOWEST FLOOR WALLS (NOTE #9)	COMMENTS
SW1	1/2" 1 SIDE 146	SPF PLATES SPF STUDS	6" o/c	48" o/c	12" o/c	48" o/c	UNBLOCKED AT PANEL EDGES
SW2	1/2" 1 SIDE 244	SPF PLATES SPF STUDS	6" o/c	30" o/c	6" o/c	48" o/c	
SW3	1/2" 1 SIDE 456	SPF PLATES SPF STUDS	4" o/c	16" o/c	4" o/c	36" o/c	
SW4	1/2" 1 SIDE 595	SPF PLATES SPF STUDS	3" o/c	12" o/c	3" o/c	30" o/c	3" FRAMING AT PANEL EDGES, STAGGER NAILS
SW5	1/2" 2 SIDES 913	SPF PLATES SPF STUDS	4" o/c	8" o/c	2 ROWS @4" o/c	16" o/c	3" FRAMING AT PANEL EDGES, STAGGER NAILS

SHEARWALL NOTES:

1. WALL SHEATHING SHALL BE PLYWOOD OR OSB (REFER ALSO TO ARCHITECTURAL SPECIFICATIONS). SHEATHING SHALL BE APPLIED DIRECTLY TO THE STUDS WITH END JOINTS IN ADJACENT PANELS STAGGERED BY 4'-0" TO AVOID CONTINUOUS VERTICAL SHEATHING JOINT OVER FULL HEIGHT OF WALL ON ANY ONE STUD.

2. SUBSTITUTION OF DOUGLAS FIR WITH OTHER LUMBER SPECIES IS NOT PERMITTED WITHOUT PRIOR WRITTEN APPROVAL FROM ENGINEER. SUBSTITUTION OF DF WITH OTHER WOOD SPECIES WILL RESULT IN TIGHTER PLYWOOD NAILING REQUIREMENTS AND MAY REQUIRE AN ADDITIONAL LAYER OF PLYWOOD ON THE WALLS.

3. ALL SHEATHIING IS TO BE NAILED WITH NAILS AS INDICATED IN SCHEDULE AND THE FOLLOWING REQUIREMENTS:
   2½" P. NAILS dia = 0.113" (2.87mm)
   2½" COMMON NAILS dia = 1.128" (3.25mm)
   3" P. NAILS dia = 0.131" (3.33mm)
   3" COMMON NAILS dia = 0.144" (3.66mm)

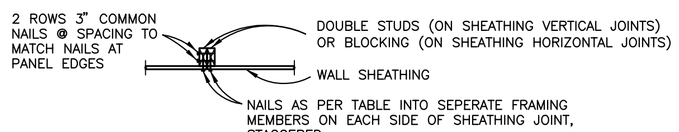
   WHERE COMMON NAILS ARE SPECIFIED, THE USE OF P. NAILS WILL NOT BE PERMITTED DO NOT OVERDRIVE NAILS FOR SHEATHING NAILING. NAILS WHICH ARE RECESSED MORE THAN 10% OF THE SHEATHING THICKNESS WILL BE REJECTED. NAILS MUST NOT BE PLACED WITHIN 3/8"(9mm) OF THE EDGE OF THE PANEL.

4. NAIL ALL A35 FRAMING CLIPS WITH 12-8dx1½" NAILS PER CLIP.

5. NAIL ALL SHEATHING PANEL EDGES AT SPACING INDICATED IN WALL SCHEDULE. NAIL SHEATHING ALONG INTERMEDIATE FRAMING MEMBERS @ 12" o/c WITH SAME NAILS SIZE AS EDGE NAILING.

6. ALL PLYWOOD PANEL EDGES IN WALLS TO BE BACKED w/2" NOMINAL OR WIDER FRAMING UNLESS SPECIFACALLY NOTED OTHERWISE,

7. FOR SHEARWALL TYPE SW4 AND SW5 PROVIDE DOUBLE STUDS/BLOCKING AT ADJOINING PANEL EDGES AS INDICATED BELOW:



8. SEE PLANS AND DETAILS FOR HOLD DOWNS AT ENDS OF SHEARWALLS AND FOR DETAILS OF WALL TOP PLATE.

9. USE ⅝"ø x 8"lg HILTI KWIK BOLT II ANCHOR BOLTS.

10. ▬▬▬ DENOTES PLYWOOD SHEARWALL

ROOF FRAMING NOTES:

0296-MAS

1. DESIGN ROOF TRUSSES FOR THE FOLLOWING SUPERIMPOSED SERVICE LOADS:

   TYPICAL ROOF

   DEAD LOAD: SLOPED ROOF = 15.0 PSF
   TOP CHORD
   LIVE LOAD: NON-DRIFT AREAS = 46.4 PSF
   BOTTOM CHORD
   LIVE LOAD: (NOT CONCURRENT WITH SNOW LOAD) = 10.0 PSF UNIFORM

   NET UPLIFT: = 30 PSF
   LIVE LOAD DEFL. = l/360

   DESIGN TRUSSES FOR ADD'L WEIGHT OF MECHANICAL UNITS (INCLUDING SEISMIC TIE-DOWN FORCES)

   REFER TO MECHANICAL DRAWINGS TO CONFIRM SIZE, LOCATION AND WEIGHT OF ROOF MOUNTED MECH. UNITS.

   SEISMIC TIE-DOWNS FOR EQUIPMENT TO BE DESIGNED BY OTHERS AND SEALED SHOP DRAWINGS SHOWING TIE-DOWN DETAILS, LOCATIONS AND FORCES TO BE SUBMITTED TO ENGINEER FOR REVIEW PRIOR TO TRUSS DESIGN.

2. PROVIDE TRUSS TIE-DOWNS AT EA. END OF TRUSS AS PER PLAN.

3. SUBMIT 4 SETS OF SEALED TRUSS SHOP DWGS. AND LAYOUT TO LANG STRUCTURAL ENGINEERING FOR REVIEW PRIOR TO FABRICATION. ROOF TRUSS INSTALLATION TO BE INSPECTED BY TRUSS SUPPLIER AND SEALED LETTER OF ACCEPTANCE PROVIDED TO LANG STRUCTURAL ENGINEERING INC. (SEE GENERAL NOTES FOR FURTHER DETAILS). FRAMING MAY NEED TO BE REVISED IF ACTUAL LAYOUT DIFFERS FROM ASSUMED LAYOUT INDICATED ON STRUCTURAL DWGS.

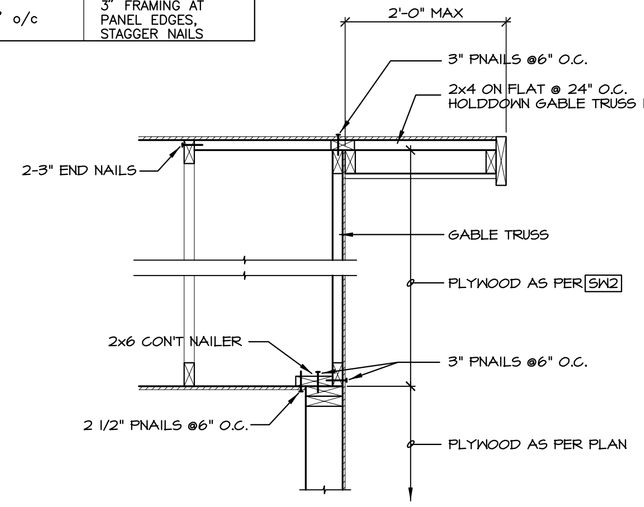
4. ALL BEAMS AND LINTELS TO BE 2-2x10 SPF No.2 - TYP. u/n. BEAMS TO BE FRAMED DROPPED UNLESS SPECIFICALLY INDICATED 'FB'.

5. ALL BEAMS TO HAVE FULL BEARING AT TOP PLATE. PROVIDE NUMBER OF STUDS UNDER BEAM AS REQUIRED TO MATCH BEAM WIDTH.

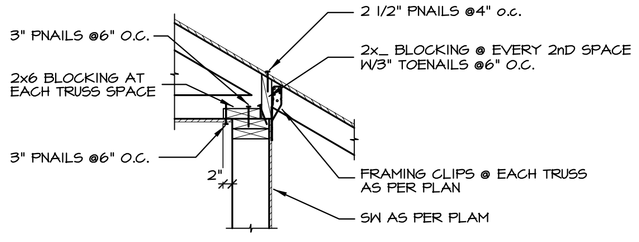
6. BUILT-UP LUMBER BEAMS TO BE NAILED WITH 3 ROWS OF 3 1/4" NAILS @ 12"o/c PER LAMINATION u/n.

7. REFER TO ARCH. DWGS. FOR LOCATION OF FIRE SEPARATIONS. DO NOT CARRY TRUSSES ACROSS FIRE SEPARATIONS.

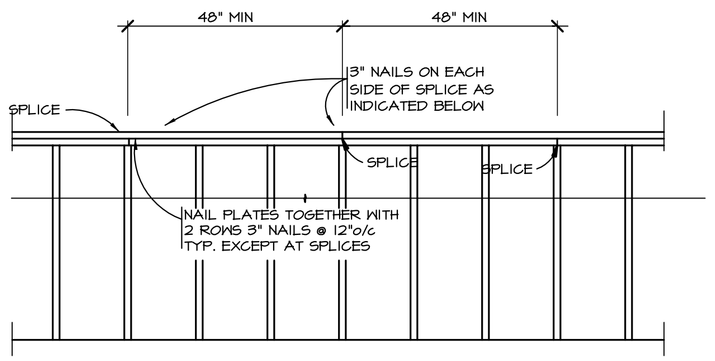
8. ROOF AND CEILING PLYWOOD TO BE ½" PLYWOOD NAILED W/ 2½" NAILS @ 6"o/c AT SHEET EDGES AND @ 10"o/c AT INTERMEDIATE FRAMING MEMBERS. IN SHADED AREA PROVIDE BLOCKING AT ALL UNSUPPORTED SHEET EDGES AND ADDITIONAL NAILING AS PER PLAN.



A/S-4/S-4 SECTION
SCALE: 3/4" = 1'-0"



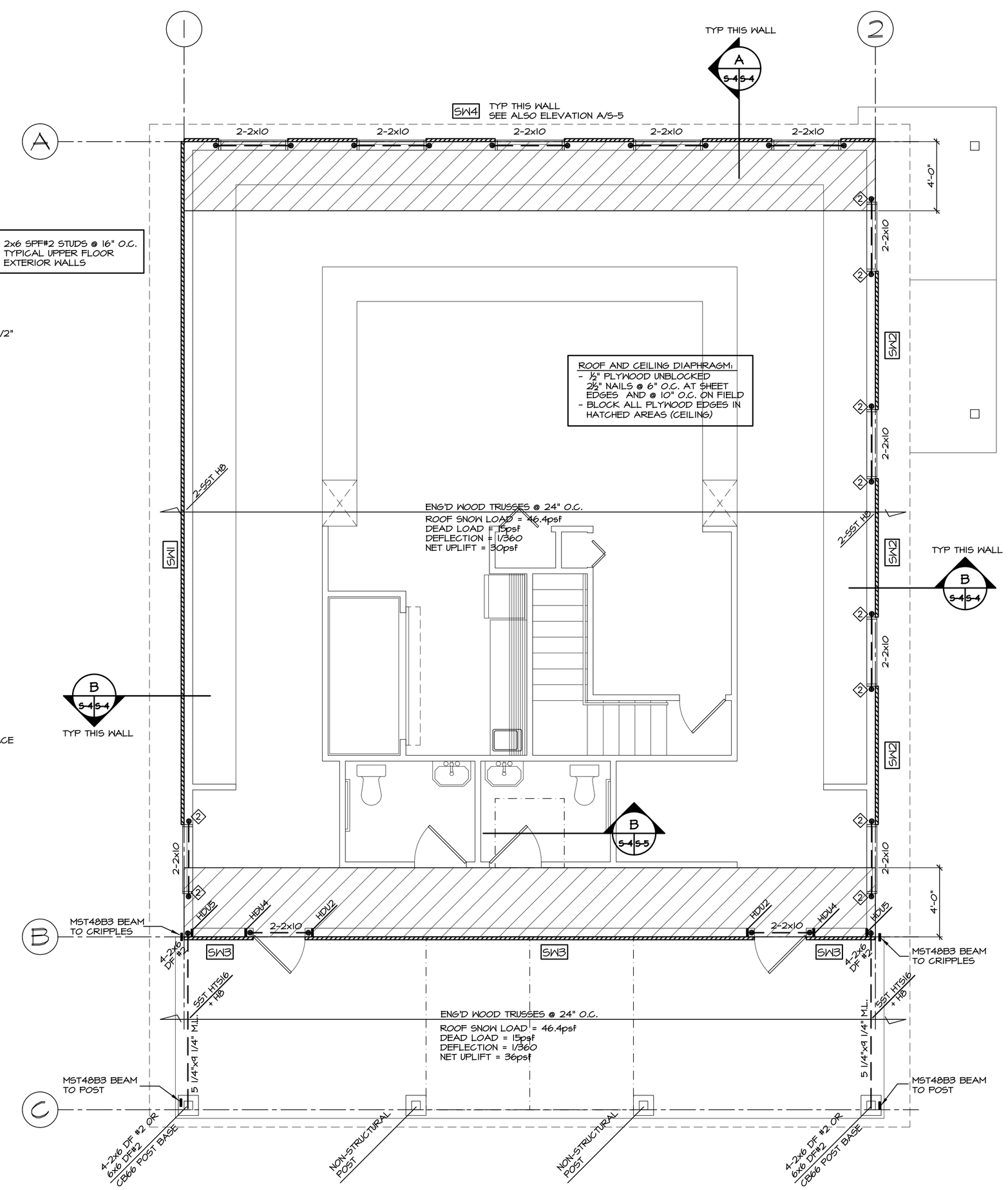
B/S-4/S-4 SECTION
SCALE: 3/4" = 1'-0"



C/S-4/S-4 WALL TOP PLATE SPLICE DETAIL
SCALE: 1/2" = 1'-0"

STAGGER TOP PLATE SPLICE LOCATIONS MIN 4'-0" AND NAIL ON EACH SIDE OF SPLICE W/ 2 ROWS 3" NAILS @ 4" O.C. (24 TOTAL)

ALL SPLICES TO BE LOCATED DIRECTLY OVER STUDS



ROOF FRAMING PLAN

(SHOWING MAIN FLOOR PLAN)

Traditions West Designs

134-33751 7th Avenue
Mission, B.C. V2V 7C2
Phone: 826-9266

DATE	ISSUED
1. OCT. 2/10	BUILDING PERMIT

DATE	REVISIONS
1.	AS NOTED
2. JAN. 18/12	LOADING DOCK ADDED

PROJECT : ST. JOSEPH'S CHURCH FOOD BANK

32550 - 7th AVENUE - MISSION BC

DRAWING TITLE : ROOF FRAMING PLAN

lang structural engineering inc.
#201-2313 West Railway Street
Abbotsford, B.C.
V2S 2E3
Abbotsford (604) 853-8522
Vancouver (604) 657-7575
Toll Free (604) 853-0158
Fax
E-mail mail@langeng.com

FILE: 110-277

DATE : JULY 2010
SCALE : 1/4" = 1'-0"
JOB NO : TW1012
DR : JV
SHEET S-4