



REGISTERED PROFESSIONAL  
ENGINEER  
PLURIS CO.  
OREGON  
SPT 09, 2014

ELECTRONIC STAMP

### SITE DESIGN CRITERIA

WIND: UP TO 105 MPH (ASCE 7-16) [REGION 1]  
EXPOSURE: B  
SNOW: 25 PSF  
SEISMIC: D  
FROST DEPTH: 12"

### ENGINEERING NOTES

THIS PLAN IS LATERALLY AND VERTICALLY ENGINEERED.  
ENGINEERED REQUIREMENTS AND DETAILS (SEE 'S' SHEETS) SUPERSEDE ARCHITECTURAL DETAILS FOR SAID ELEMENTS OR PLAN.

### GENERAL NOTES

CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND THE CONSTRUCTION DRAWINGS PRIOR TO COMMENCING WORK. CONTRACTOR TO NOTIFY HOLT HOMES IMMEDIATELY OF ANY DISCREPANCIES, ERRORS OR OMISSIONS.

DO NOT SCALE DRAWINGS. USE DIMENSIONS SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CROSS CHECK DETAILS AND DIMENSIONS SHOWN ON THE ARCHITECTURAL DRAWINGS WITH RELATED REQUIREMENTS ON THE STRUCTURAL AND OTHER DRAWINGS AS APPLICABLE. NOTIFY PLURIS OF ANY DISCREPANCIES BEFORE COMMENCING WORK.

WHERE NO SPECIFIC STANDARDS ARE APPLIED TO A MATERIAL OR METHOD OF CONSTRUCTION TO BE USED IN THE WORK, ALL SUCH MATERIALS AND METHODS ARE TO MAINTAIN THE STANDARDS OF THE INDUSTRY.

CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND THE CONSTRUCTION DRAWINGS PRIOR TO COMMENCING WORK. CONTRACTOR TO NOTIFY HOLT HOMES IMMEDIATELY OF ANY DISCREPANCIES, ERRORS OR OMISSIONS.

ALL CONSTRUCTION WORK SHALL BE DONE IN COMPLIANCE WITH THE LATEST EDITION OF THE APPLICABLE BUILDING CODE AS AMENDED BY THE STATE AND ALL OTHER STATE AND LOCAL REQUIREMENTS THAT APPLY.

MATERIALS, EQUIPMENT, ETC., NOT INDICATED ON DRAWINGS OR SPECIFIED HEREIN, BUT REQUIRED FOR SUCCESSFUL COMPLETION OF THE INSTALLATION SHALL BE HELD TO BE IMPLIED.

ERRORS OR OMISSIONS IN ANY SCHEDULE OR DRAWING DO NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR THE WORK INTENDED IN THE DRAWINGS OR SPECIFICATIONS.

ALL MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE AVAILABLE ON THE JOB SITE AT THE TIME OF INSPECTION FOR THE INSPECTOR'S USE AND REFERENCE. SPECIFIC MANUFACTURES AND MATERIALS DEPICTED ON THESE PLANS ARE AN INDICATION OF QUALITY AND STRENGTH. VERIFY ALL CONSTRUCTION MATERIAL SUBSTITUTIONS W/ CURRENT APPLICABLE BUILDING CODES AND LOCAL BUILDING OFFICIALS PRIOR TO INSTALLATION/ SUBSTITUTION.

### FLOOR PLAN NOTES

BEDROOMS, HABITABLE ATTICS, AND BASEMENTS SHALL HAVE AT LEAST ONE EMERGENCY EGRESS WINDOW. WHERE BASEMENTS HAVE MULTIPLE BEDROOMS, EACH BEDROOM SHALL HAVE AN EGRESS WINDOW. EGRESS WINDOWS SHALL MEET THE FOLLOWING REQUIREMENTS:

- SILL HEIGHT NOT MORE THAN 44" AFF
- CLEAR NET OPENING AREA OF 5.7 SF
- CLEAR NET OPENING HEIGHT OF 24"
- CLEAR NET OPENING WIDTH OF 20"

WHERE THE OPENING OF AN OPERABLE WINDOW IS MORE THAN 72" ABOVE GRADE, THE SILL SHALL NOT BE LESS THAN 24" AFF. IF THE SILL HEIGHT IS LESS THAN 24", THE WINDOW SHALL BE EQUIPPED WITH AN OPENING CONTROL DEVICE COMPLYING WITH ASTM F 2090.

PROVIDE INSULATION DAMS AT ALL CEILING MOUNTED HEATER LOCATIONS (IF APPLICABLE).

NATURAL LIGHT TO BE PROVIDED AT A RATIO OF 8% OF FLOOR AREA OF HABITABLE ROOMS. NATURAL VENTILATION TO BE PROVIDED AT A RATIO OF 4% OF FLOOR AREA OF HABITABLE ROOMS.

ALL INTERIOR WALL SURFACES AND CEILINGS TO BE SHEETROCKED WITH 1/2" GYP BD, OR AS REQUIRED PER LOCAL JURISDICTIONAL REQUIREMENTS. THIS WILL INCLUDE ANY ACCESSIBLE UNDER-STAIR LOCATIONS ALL TUB/SHOWER ENCLOSURES SHALL HAVE WATER RESISTANT GYP BD.

APPLY 1/2" GYP BD TO GARAGE SIDE OF FIREWALL (GARAGE/HOUSE SEPARATION WALLS). CONTINUE 1/2" GYP BD ON GARAGE SIDE OF FIREWALL TO UNDERSIDE OF ROOF SHEATHING OR APPLY 1/2" GYP BD TO GARAGE LID (SEE PLAN FOR SPECIFIC LOCATIONS). IF THERE IS HABITABLE SPACE ABOVE THE GARAGE, THE LID SHALL HAVE 5/8" TYPE X GYP BD, AND ALL SUPPORTING WALLS 1/2" GYP BD. LOCAL JURISDICTIONAL REQUIREMENTS MAY SUPERSEDE THESE REQUIREMENTS - CHECK WITH LOCAL JURISDICTION.

ALL EXPOSED INSULATION IS TO HAVE A FLAME SPREAD RATING NOT TO EXCEED 25. A SMOKE DEVELOPED INDEX NOT TO EXCEED 450, WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723, AND CRITICAL RADIANT FLUX NOT LESS THAN 0.12 WATTS PER SQUARE CENTIMETER AT EXPOSED ATTIC INSUL.

INSULATE ALL ACCESS DOOR/HATCHES TO CRAWLSPACES AND ATTICS TO THE EQUIVALENT RATING OF THE WALL, FLOOR, OR CEILING THROUGH WHICH THEY PENETRATE.

CONCRETE SHALL MEET ALL THE REQUIREMENTS OF ACI 301, TYPE II CEMENT, U.N.O.

ALL WINDOWS WITHIN A 24' ARC OF EITHER VERTICAL EDGE OF ANY DOOR IN A CLOSED POSITION, WITH BOTTOM EXPOSED EDGE LESS THAN 60" ABOVE FLOOR OR WALKING SURFACE SHALL HAVE TEMPERED GLAZING.

GLAZING IN DOORS AND ENCLOSURES FOR HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS & SHOWERS, AND IN ANY PART OF A BUILDING WALL ENCLOSING THESE COMPARTMENTS, WHERE BOTTOM EDGE OF GLAZING IS LESS THAN 60" MEASURED VERTICALLY ABOVE ANY STANDING OR WALKING SURFACE, TO BE TEMPERED GLAZING.

ELECTRICAL RECEPTACLES IN BATHROOMS, KITCHENS, EXTERIOR LOCATIONS AND GARAGES SHALL BE G.F.I. OR G.F.C. PER NATIONAL ELECTRICAL CODE (N.E.C.) REQUIREMENTS.

INTERIOR & EXTERIOR STAIRS SHALL HAVE A MEANS TO ILLUMINATE THE STAIRS, INCLUDING LANDINGS & TREADS. INTERIOR STAIRS OF 6 STEPS OR MORE SHALL HAVE THE REQUIRED LIGHTING IN THE IMMEDIATE VICINITY OF THE TOP & BOTTOM OF THE STAIRS. EXTERIOR STAIRWAYS SHALL BE PROVIDED WITH AN ARTIFICIAL LIGHT SOURCE. THE IMBEDDED LIGHTING FOR THE EXTERIOR STAIRS AND STAIR EXTERIOR STAIRS, LEADING FROM GRADE TO BASEMENT SHALL HAVE AN ARTIFICIAL LIGHT SOURCE IN THE IMMEDIATE VICINITY OF THE BOTTOM LANDING OF STAIRS. LIGHTING FOR INTERIOR STAIRS SHALL BE CONTROLLED FROM TOP & BOTTOM OF EA. STAIR. SEE ORSC 303.6

SMOKE DETECTORS SHALL BE INSTALLED IN EACH SLEEPING ROOM, OUTSIDE THE KITCHEN, SLEEPING PORCH, AND EACH TOWER OF THE DWELLING. CARBON MONOXIDE ALARMS SHALL BE LOCATED IN EACH BEDROOM OR WITHIN 15 FEET OUTSIDE OF EACH BEDROOM DOOR. BEDROOMS ON SEPARATE FLOOR LEVELS IN A STRUCTURE OF TWO OR MORE STOREYS SHALL HAVE SEPARATE CARBON MONOXIDE ALARMS SERVING EACH STORY. ALL SMOKE DETECTORS AND/OR COMBINATION SMOKE/CARBON MONOXIDE ALARMS SHALL BE INTERCONNECTED SUCH THAT THE ACTUATION OF ONE ALARM WILL ACTIVATE ALL THE ALARMS AND WILL BE AUDIBLE IN ALL SLEEPING AREAS OVER BACKGROUND NOISE LEVELS WITH ALL INTERVENING DOORS CLOSED. SINGLE STATION CARBON MONOXIDE ALARMS THAT ARE HARD WIRED SHALL BE EQUIPPED W/ BATTERY BACKUP.

### FOUNDATION NOTES

FOOTINGS ARE TO BEAR ON UNDISTURBED LEVEL SOIL DEVOID OF ANY ORGANIC MATERIAL AND STEPPED AS REQUIRED TO MAINTAIN THE REQUIRED DEPTH BELOW THE FINAL GRADE.

MAXIMUM SLOPE OF CUTS AND FILLS TO BE TWO (2) HORIZONTAL TO ONE (1) VERTICAL FOR BUILDINGS, STRUCTURES, AND FOUNDATIONS.

EXCAVATE SITE TO PROVIDE A MIN. OF 18" CLEARANCE UNDER ALL GIRDERS.

MUDSILLS AT EXTERIOR WALLS, INTERIOR BEARING WALL SOLE PLATES, AND INTERIOR BRACED WALL PLATES THAT ARE SUPPORTED ON CONTINUOUS FOUNDATIONS SHALL BE ANCHORED TO THE FOUNDATION WITH MIN. BOLTING AS PER SDC.

### FOUNDATION NOTES CONT.

REINFORCING STEEL TO BE A-615 GRADE 60. WELDED OPTIONAL WIRE MESH TO BE A-185.

FOUNDATIONS w/ STEM WALLS SHALL HAVE REINFORCEMENT PER STRUCTURAL PLANS/DETAILS.

BOTTOM REINFORCEMENT SHALL BE PLACED A MIN OF 3' ABOVE THE BOTTOM OF THE FOOTING.

CONCRETE PAD FOOTINGS SHALL HAVE REINFORCEMENT PER STRUCTURAL PLANS/DETAILS.

ADJUST FOOTING DEPTH AS NECESSARY PER FROST DEPTH REQUIREMENTS.

CRAWL SPACE VENTILATION SHALL BE PROVIDED AT A RATIO OF 1/150 PER IRC R408.1. A FOUNDATION VENT SHALL BE PROVIDED WITHIN 3' OF BUILDING CORNERS. INSTALL CLASS 1 VAPOR BARRIER IN CRAWL SPACE PER MANUF. SPECIFICATIONS (LINTERS LAID 12" AT SEAMS AND EXTEND MIN. 12' UP FOUNDATION WALLS).

BEAM POCKETS IN CONCRETE TO HAVE 1/2" IN. AIRSPACE AT SIDES AND ENDS WITH A MIN. BEARING OF 3" INCHES.

WATERPROOF BASEMATS BEFORE BACKFILLING. PROVIDING A 4" IN. DIA. PERFORATED DRAIN TILE BELOW THE TOP OF THE FOOTING (SEE BUILDING SECTIONS).

PROVIDE MIN. 18" X 24" CRAWLSPACE ACCESS THROUGH FLOOR OR MIN. 16" X 24" CRAWLSPACE ACCESS THROUGH WALL.

FOUNDATION DESIGN ASSUMES CODE ALLOWABLE 1,500PSF BEARING CAPACITY UNLESS STATED OTHERWISE BY JURISDICTION OR GEOTECH. ALL REINFORCING SHALL BE ASTM GRADE 60, U.N.O.

### PERIMETER FOOTING SCHEDULE

ASSUMES 1,500 PSF ALLOWABLE SOIL BEARING PRESSURE

NO. OF STORY FOUNDATION WALL FOOTING WIDTH FOOTING THICKNESS CAPACITY (KLF) POINT LOAD (KIPS)

1-STORY 6" THICK 12" 6" 1.5 6

2-STORY 8" THICK 15" 7" 1.875 7.5

3-STORY 8" THICK 23" 8" 2.25 9

### SPREAD FOOTING SCHEDULE

BASED ON 1,500 PSF ALLOWABLE SOIL BEARING PRESSURE

TYPE SIZE REINFORCEMENT ALLOWABLE LOAD (KIPS) DEAD LOAD (KIPS)

① 16"x16"x8" (1) #4 E.W. BOT. 2.4 0.17

② 18"x18"x10" (1) #4 E.W. BOT. 3.1 0.28

③ 24"x24"x10" (2) #4 E.W. BOT. 5.5 0.5

④ 28"x28"x10" (2) #4 E.W. BOT. 7.45 0.66

⑤ 30"x30"x10" (3) #4 E.W. BOT. 8.5 0.78

⑥ 32"x32"x10" (3) #4 E.W. BOT. 9.75 0.88

⑦ 36"x36"x10" (4) #4 E.W. BOT. 12.25 1.1

⑧ 42"x42"x10" (4) #4 E.W. BOT. 16.75 1.5

⑨ 48"x48"x10" (5) #4 E.W. BOT. 22 2

⑩ 54"x54"x12" (6) #4 E.W. BOT. 27 3

⑪ 60"x60"x12" (8) #4 E.W. BOT. 34.25 3.75

⑫ 72"x72"x14" (7) #5 E.W. BOT. 48 6.3

### CONCRETE NOTES

ANY FILL UNDER GRADE SUPPORTED SLABS TO BE A MIN. OF 4" IN. GRANULAR MATERIAL COMPACTED TO 95%.

MIN. COMPRESSIVE STRENGTH OF CONCRETE (TABLE R402.2) U.N.O. PER ENGINEER.

GARAGE FLOORS TO SLOPE 1/8"/FT MIN. TOWARDS OPENING AS REQUIRED FOR DRAINAGE. CONCRETE SLABS TO HAVE CONTROL JOINTS AT 25 FT. (MAX.) INTERVALS EA. WAY.

CONCRETE SIDEWALKS TO HAVE 3/4" IN. TOOLED JOINTS AT 5 FT. (MIN.) OC.

ALL MATERIALS, PROCEDURES, PLACEMENT, FORMWORK, LAPS, ETC. TO CONFORM THE LATEST APPLICABLE ACI STANDARDS.

CONCRETE SHALL MEET ALL THE REQUIREMENTS OF ACI 301, TYPE II CEMENT, U.N.O.

### CONCRETE MIX REQUIREMENTS

APPLICATION MIN. 28 DAY COMPRESSIVE STRENGTH (F'c PSI) AIR ENTRAINMENT

FOUNDATION, BASEMENT WALLS, AND OTHER CONCRETE NOT EXPOSED TO THE WEATHER 2,500 5 - 7%

INTERIOR/BASEMENT SLABS ON GRADE, EXCEPT GARAGE FLOOR SLABS 2,500 2 - 4%

FOUNDATION, BASEMENT WALLS, AND OTHER STRUCTURAL CONCRETE EXPOSED TO THE WEATHER 3,000 5 - 7%

EXTERIOR SLABS, STAIRS, AND GARAGE FLOOR SLAB 3,000 2 - 4%

POST-TENSIONED SYSTEMS 3,000 2 - 4%

### STEEL REINFORCEMENT NOTES

REINFORCING STEEL TO BE A-615 GRADE 60. WELDED OPTIONAL WIRE MESH TO BE A-185.

### MINIMUM REINFORCEMENT COVER

LOCATION COVER

CONCRETE CAST AGAINST EARTH 3"

#6 - #18 BARS IN CONCRETE EXPOSED TO EARTH OR WEATHER 2"

J-BOLT: MAX 6' (a) MAX 6' OC (a,b)

SPACING: MAX 6' (a) MAX 6' OC (a,b)

WASHER: 2'0" FENDER WASHER 3" x 3" x 0.229" PLATE

FOOTNOTES: a. SHEARWALLS SHALL HAVE ANCHOR BOLTING AS INDICATED ON SHEARWALL SCHEDULE b. 4'0" (2-STORY & UP)

c. 1/2" SIMPSON TITAN HD w/ 5-3/4" EMBED IS AN APPROVED ALTERNATIVE

NOTES: 1. MINIMUM (2) BOLTS PER PLATE

2. (1) BOLT WITHIN 12 INCHES OF EACH END OF PLATE

### HOLD-DOWN SCHEDULE

TYPE SIMPSON ANCHOR U.O.N. MIN. EMBEDMENT MIN. STEM WALL WIDTH

A DTT2Z 1/2" Ø HOOKED ANCHOR 7" W/ 1 3/4" MIN. EDGE DISTANCE 6"

MIN. CAPACITY HOLD-DOWN FASTENING TO POST MIN. POST SIZE, NUMBER & FASTENING

1,825# (8) SDS 1/2" x 1 1/2" SCREWS (1) 2x WALL DEPTH STUD

TYPE SIMPSON ANCHOR U.O.N. MIN. EMBEDMENT MIN. STEM WALL WIDTH

A2 LSTA36 NA NA NA

MIN. CAPACITY HOLD-DOWN FASTENING TO POST MIN. POST SIZE, NUMBER & FASTENING

1,640# (7) 10d COMMON EA END OF STRAP (1) 2x WALL DEPTH STUD

TYPE SIMPSON ANCHOR U.O.N. MIN. EMBEDMENT MIN. STEM WALL WIDTH

B HDU2 SSTB16 12 5/8" 6"

MIN. CAPACITY HOLD-DOWN FASTENING TO POST MIN. POST SIZE, NUMBER & FASTENING

3,075# (6) SDS 1/2" x 1 1/2" SCREWS (2) 2x WALL DEPTH STUD, FASTEN TOGETHER W/ (12) 16d SINKERS

TYPE SIMPSON ANCHOR U.O.N. MIN. EMBEDMENT MIN. STEM WALL WIDTH

B2 MSTC 40 N.A. N.A. N.A.

MIN. CAPACITY HOLD-DOWN FASTENING TO POST MIN. POST SIZE, NUMBER & FASTENING

4,610# (24) 10d COMMON EA END OF STRAP (2) 2x WALL DEPTH STUD, FASTEN TOGETHER W/ (18) 16d SINKERS





**ELECTRONIC STAMP**

## ENGINEERED SHEAR WALL SCHEDULE

	OSB / PLYW'D SHEATHING <sup>1</sup>	FASTENING: SHEATHING TO STUDS			MUD SILL A.B. SIZE & SPACING <sup>9</sup>
		EDGES	FIELD	BLK'D	
>	½" GWB, SEE NOTE 5	NO. 6 TYPE S OR W DRYWALL SCREWS 8" OC	12" OC	NO	½" Ø @ 72" OC 5/8" Ø @ 72" OC
S E 8	PLATE TO RIM JOIST BELOW <sup>7,8</sup>	TRUSS / RAFTER BLOCKING TO TOP PLATE U.N.O.		DBL. STUD FASTENING	CAP (PLF)
	16d @ 16" OC	(3) 8d TOE-NAIL EA. BAY		NA	60

## COLUMN SCHEDULE

TYPE	MATERIAL	SIZE
C1	DF #2	4x4
C2	DF #2	4x6
C3	DF #2	6x6
C4	PT HEM FIR #2	4x4
C5	PT HEM FIR #2	4x6
C6	PT HEM FIR #2	6x6

## OLD-DOWN SCHEDULE

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E	SIMPSON	ANCHOR U.O.N.	MIN. EMBEDMENT	MIN. STEM WALL WIDTH
-	HDU2	SSTB16	12 $\frac{5}{8}$ "	6"
TY	HOLD-DOWN FASTENING TO POST		MIN. POST SIZE, NUMBER & FASTENING	
#	(6) SDS $\frac{1}{4}$ "x $2\frac{1}{2}$ " SCREWS		(2) 2x WALL DEPTH STUD, FASTEN TOGETHER W/ (12) 16d SINKERS	

## **DRILL-DOWN SCHEDULE NOTES**

N HOLD-DOWNS TO THE BOUNDARY MEMBERS FOR THE SHEAR WALL AT THE

WALL PANELS SHALL BE FASTENED TO THE BOUNDARY MEMBER POSTS PER  
ANEL EDGE SPACING ON THE SHEAR WALL SCHEDULE.

THE BOUNDARY MEMBERS ARE BUILT UP MEMBERS OR OVER 2" NOMINAL, EDGE  
G SHALL BE STAGGERED INTO TWO ROWS.

OLD-DOWNS AND ANCHOR BOLTS SHALL BE INSTALLED PER THE MANUFACTURERS INSTRUCTIONS.

OLD-DOWNS AND BOUNDARY MEMBER POSTS SHALL BE INSTALLED TO FORM  
CONTINUOUS LOAD PATH FROM EACH END OF THE SHEAR WALL TO THE  
FOUNDATION BELOW.

#### **EDOF/12" FIELD NAILING STAPLE EQUIVALENCY TABLE**

## NAILING-STAPLE EQUIVALENCY TABLE

MATERIAL THICKNESS (INCHES)	DESCRIPTION OF FASTENER LENGTH (INCHES)	SPACING OF FASTENERS	
		EDGES (INCHES)	INTERMEDIATE SUPPORTS (INCHES)
UP TO $\frac{1}{2}$	STAPLE 15 ga. $1\frac{3}{4}$	4	8
	STAPLE 16 ga. $1\frac{3}{4}$	3	6

3 SCHEDULES FOR SHEAR WALL SCHEDULE

SEE ST.0 NOTES & SCHEDULES FOR SHEAR WALL SCHEDULE.

EXTERIOR WALL SHEATHING TO BE INSTALLED PER SWO >, U.N.O.

**WALL SCHEDULE CALLOUT APPLIES TO LENGTH OF HATCHED WALL,  
CLUDING AROUND OPENINGS.**

#### **OD BOLT SPACING PER SHEAR WALL SCHEDULE**

OR BOLT SPACING PER SHEAR WALL SCHEDULE.

## WALL SCHEDULE FOOTNOTES

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- SWA

ALL EXTERIOR  
SHEAR WALLS  
INCLUDING  
ANCHOR BOLTS  
PROVIDE BY  
U.N.O.

EXTERIOR

OOD OR OSB SHEATHING 15/32" THICK SHALL BE USED AS SHOWN IN THIS  
IN. 3/8" THICK SHEATHING MAY BE SUBSTITUTED PROVIDED STUDS ARE  
A MAXIMUM OF 16" OC OR PANELS ARE APPLIED WITH LONG DIMENSIONS  
STUDS.

NG AT ADJOINING PANELS EDGES SHALL BE 3" NOMINAL OR WIDER, AND  
ALL BE STAGGERED WHERE NAILS ARE SPACED 2" OC.

E PANELS ARE APPLIED TO BOTH FACES OF A WALL AND THE NAIL SPACING  
HAN 6" OC ON EITHER SIDE, PANEL JOINTS SHALL BE OFFSET TO FALL ON  
IT FRAMING MEMBERS, OR FRAMING SHALL BE 3" NOMINAL OR THICKER AT  
IG PANEL EDGES AND NAILS SHALL BE STAGGERED.

UM STUD SPACING IS 16" OC. BLOCKING AT PANEL EDGES IS NOT REQUIRED,  
SPECIFIED.

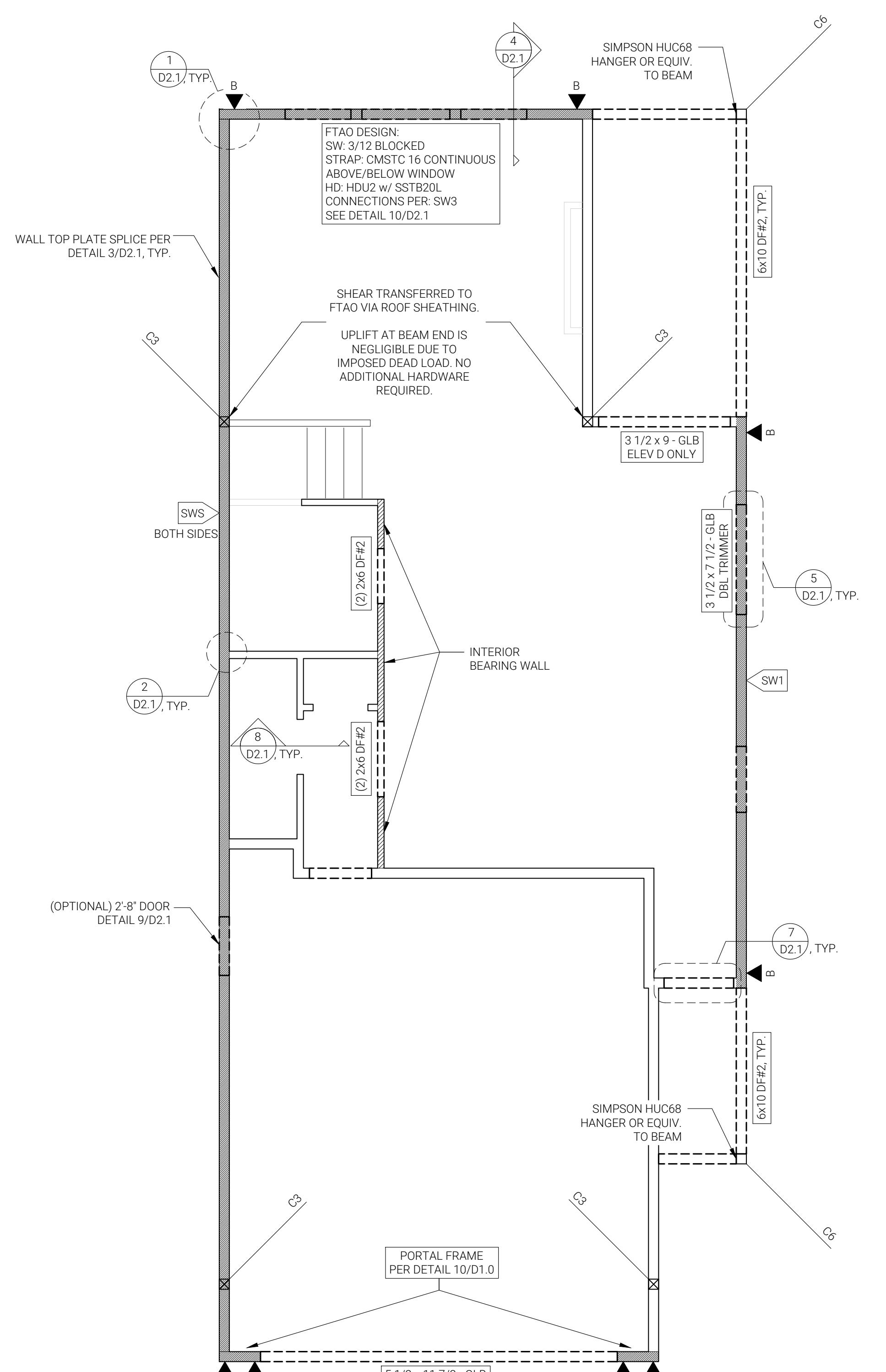
ECTORS ARE IN ADDITION TO THE MINIMUM CODE NAILING REQUIREMENT  
(NAIL @ 6" OC) UNLESS OTHERWISE SPECIFIED IN THE DETAILS.

ONTRACTOR SHALL VERIFY THAT THE SUPPLIED RIM BOARD IS COMPATIBLE  
E SPECIFIED NAILING REQUIREMENTS. FOR 1-1/8" RIM BOARD W/ MAX 3/4"  
NG SUBSTITUTE (2) ROWS 16d SINKER (0.148 x 3-1/4") @ 8" OC OFFSET ROWS  
AND STAGGER.

ON LTP4 CLIPS MAY BE OMITTED FROM THESE LOCATIONS PROVIDED THAT  
NG JOINT OCCURS ON THE RIM JOIST WITH A MINIMUM 2-1/2" LAP.  
NG SHALL BE FASTENED TO RIM JOIST, TOP PLATE AND BOTTOM PLATE  
GE NAILING PER SHEAR WALL SCHEDULE REGARDLESS WHETHER THEY  
T EDGES.

S OTHERWISE NOTED ON THE DRAWINGS PROVIDE THE SPECIFIED  
RS FOR THE LENGTH OF THE PLATE LINE (NOT JUST THE SHEAR WALL  
T). ADDITIONAL FASTENERS, STRAPS, PLATE SPLICE REQUIREMENTS, ETC.  
NOTED ON THE PLANS AND DETAILS.

C CATEGORY "D" REQUIRES MINIMUM 5/8" Ø ANCHOR BOLTS, TYP.





An oval-shaped stamp with a double-line border. The top half contains the text "REGISTERED PROFESSIONAL" in a curved, bold font. The bottom half contains "ENGINEER" in a similar style. In the center, the number "82283PE" is printed. The entire stamp is overlaid by several blue ink lines and marks, including a large circle around the center and some diagonal strokes.

WALL FRAMING NOTES

**SWX** SEE S1.0 NOTES & SCHEDULES FOR SHEAR WALL SCHEDULE.

ALL EXTERIOR WALL SHEATHING TO BE INSTALLED PER **SWO**, U.N.O.

SHEAR WALL SCHEDULE CALLOUT APPLIES TO LENGTH OF HATCHED WALL,  
INCLUDING AROUND OPENINGS

ANCHOR BOLT SPACING PER SHEAR WALL SCHEDULE.

PROVIDE BUILT-UP COLUMN UNDERNEATH GIRDER TRUSS OF EQUIVALENT PLY'S,  
U.N.O.

EXTERIOR HEADERS TO BE 4x8 DF#2, TYP., U.N.O.

#### HOLD-DOWN SCHEDULE

PE	SIMPSON	ANCHOR U.O.N.	MIN. EMBEDMENT	MIN. STEM WALL WIDTH
2	MSTC 40	N.A.	N.A.	N.A.
N. CITY	HOLD-DOWN FASTENING TO POST		MIN. POST SIZE, NUMBER & FASTENING	
0#	(16) 10d COMMON EA END OF STRAP		(2) 2x WALL DEPTH STUD, FASTEN TOGETHER W/ (18) 16d SINKERS	
PE	SIMPSON	ANCHOR U.O.N.	MIN. EMBEDMENT	MIN. STEM WALL WIDTH
2	MSTC 52	N.A.	N.A.	N.A.
N. CITY	HOLD-DOWN FASTENING TO POST		MIN. POST SIZE, NUMBER & FASTENING	
0#	(24) 10d COMMON EA END OF STRAP		(2) 2x WALL DEPTH STUD, FASTEN TOGETHER W/ (18) 16d SINKERS	

## OLD-DOWN SCHEDULE NOTES

- DOWNS TO THE BOUNDARY MEMBERS FOR THE SHEAR WALL AT THE  
ARKED ON THE PLANS.
- PANELS SHALL BE FASTENED TO THE BOUNDARY MEMBER POSTS PER  
EDGE SPACING ON THE SHEAR WALL SCHEDULE.
- DARY MEMBERS ARE BUILT UP MEMBERS OR OVER 2" NOMINAL, EDGE  
L BE STAGGERED INTO TWO ROWS.
- WNDS AND ANCHOR BOLTS SHALL BE INSTALLED PER THE  
ERS INSTRUCTIONS.
- WNDS AND BOUNDARY MEMBER POSTS SHALL BE INSTALLED TO FORM  
IS LOAD PATH FROM EACH END OF THE SHEAR WALL TO THE  
BELOW.

## **FEERED SHEAR WALL SCHEDULE**

PE	OSB / PLYW'D SHEATHING <sup>1</sup>	FASTENING: SHEATHING TO STUDS			MUD SILL A.B. SIZE & SPACING <sup>9</sup>
		EDGES	FIELD	BLK'D	
S	½" GWB, SEE NOTE 5	NO. 6 TYPE S OR W DRYWALL SCREWS 8" OC	12" OC	NO	½" Ø @ 72" OC 5/8" Ø @ 72" OC
OISTS LATE W <sup>6,8</sup>	PLATE TO RIM JOIST BELOW <sup>7,8</sup>	TRUSS / RAFTER BLOCKING TO TOP PLATE U.N.O.			DBL. STUD FASTENING CAP (PLF)
A	16d @ 16" OC	(3) 8d TOE-NAIL EA. BAY		NA	60
PE	OSB / PLYW'D SHEATHING <sup>1</sup>	FASTENING: SHEATHING TO STUDS			MUD SILL A.B. SIZE & SPACING <sup>9</sup>
		EDGES	FIELD	BLK'D	
J	1 SIDE	8d @ 6" OC	12" OC	NO	½" Ø @ 72" OC 5/8" Ø @ 72" OC
OISTS LATE W <sup>5,7</sup>	PLATE TO RIM JOIST BELOW <sup>6,7</sup>	TRUSS / RAFTER BLOCKING TO TOP PLATE U.N.O.			DBL. STUD FASTENING CAP (PLF)
SON 4 @ OC	16d @ 16" OC	(3) 8d TOE-NAIL EA. BAY		NA	275
PE	OSB / PLYW'D SHEATHING <sup>1</sup>	FASTENING: SHEATHING TO STUDS			MUD SILL A.B. SIZE & SPACING <sup>9</sup>
		EDGES	FIELD	BLK'D	
1	1 SIDE	8d @ 6" OC	8d @ 12" OC	YES	½" Ø @ 48" OC 5/8" Ø @ 48" OC
OISTS LATE W <sup>6,8</sup>	PLATE TO RIM JOIST BELOW <sup>7,8</sup>	TRUSS / RAFTER BLOCKING TO TOP PLATE U.N.O.			DBL. STUD FASTENING CAP (PLF)
SON P4 5" OC	16d @ 16" OC	TIMBERLOK TO TRUSS AND SIMPSON L50 @ 24" OC ON BLOCKING		(1) ROW 16d @ 12" OC	365

## **RWALL SCHEDULE FOOTNOTES**

- WOOD OR OSB SHEATHING 15/32" THICK SHALL BE USED AS SHOWN IN THIS E. MIN. 3/8" THICK SHEATHING MAY BE SUBSTITUTED PROVIDED STUDS ARE ED A MAXIMUM OF 16" OC OR PANELS ARE APPLIED WITH LONG DIMENSIONS SS STUDS.

AMMING AT ADJOINING PANELS EDGES SHALL BE 3" NOMINAL OR WIDER, AND S SHALL BE STAGGERED WHERE NAILS ARE SPACED 2" OC.

HERE PANELS ARE APPLIED TO BOTH FACES OF A WALL AND THE NAIL SPACING SS THAN 6" OC ON EITHER SIDE, PANEL JOINTS SHALL BE OFFSET TO FALL ON RENT FRAMING MEMBERS, OR FRAMING SHALL BE 3" NOMINAL OR THICKER AT INING PANEL EDGES AND NAILS SHALL BE STAGGERED.

XIMUM STUD SPACING IS 16" OC. BLOCKING AT PANEL EDGES IS NOT REQUIRED, SS SPECIFIED.

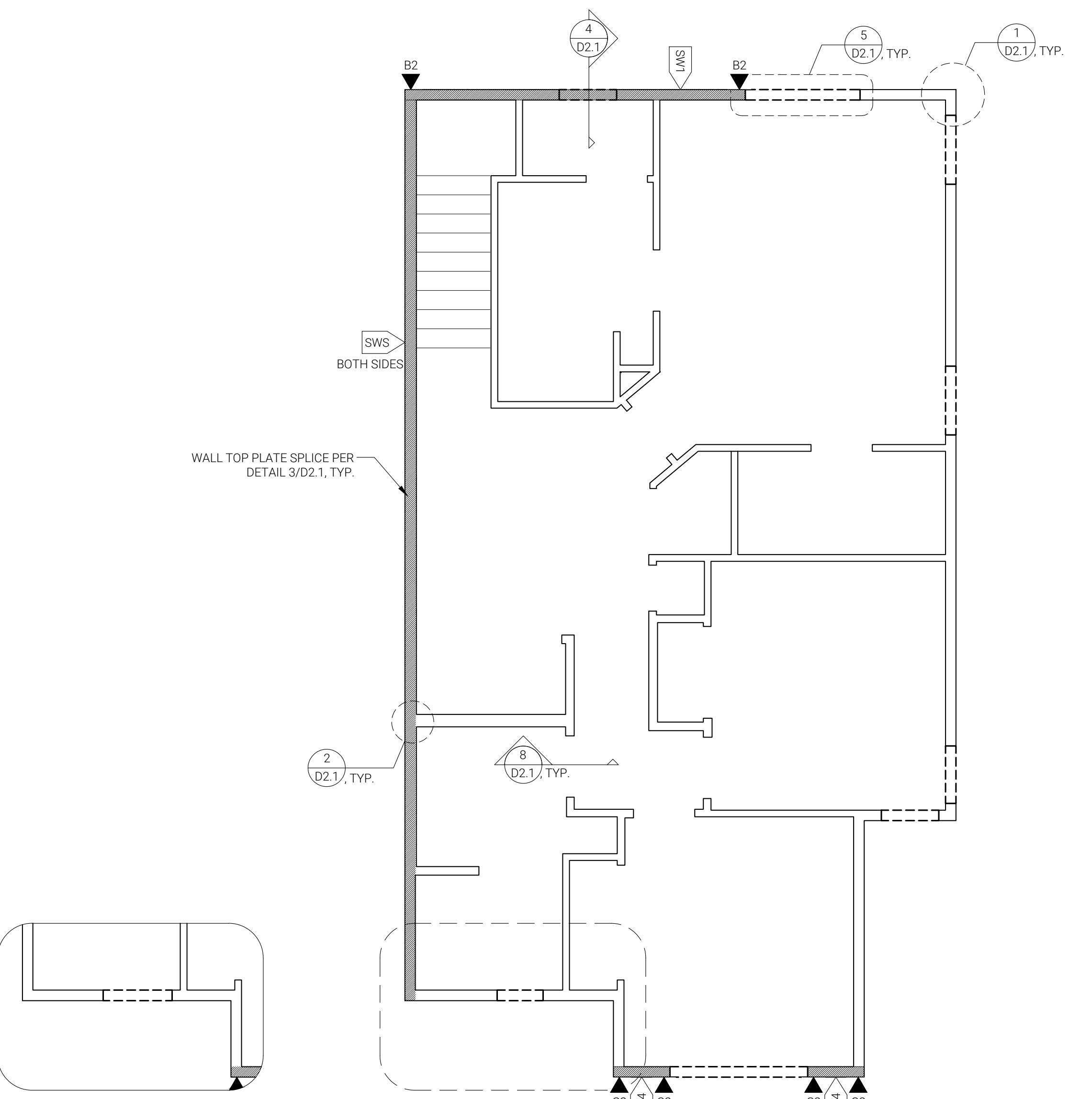
NNECTORS ARE IN ADDITION TO THE MINIMUM CODE NAILING REQUIREMENT DE-NAIL @ 6" OC) UNLESS OTHERWISE SPECIFIED IN THE DETAILS.

E CONTRACTOR SHALL VERIFY THAT THE SUPPLIED RIM BOARD IS COMPATIBLE THE SPECIFIED NAILING REQUIREMENTS. FOR 1-1/8" RIM BOARD W/ MAX 3/4" THING SUBSTITUTE (2) ROWS 16d SINKER (0.148 x 3-1/4") @ 8" OC OFFSET ROWS MIN AND STAGGER.

MPSION LTP4 CLIPS MAY BE OMITTED FROM THESE LOCATIONS PROVIDED THAT THING JOINT OCCURS ON THE RIM JOIST WITH A MINIMUM 2-1/2" LAP. THING SHALL BE FASTENED TO RIM JOIST, TOP PLATE AND BOTTOM PLATE EDGE NAILING PER SHEAR WALL SCHEDULE REGARDLESS WHETHER THEY R AT EDGES.

LESS OTHERWISE NOTED ON THE DRAWINGS PROVIDE THE SPECIFIED ENERS FOR THE LENGTH OF THE PLATE LINE (NOT JUST THE SHEAR WALL ENT). ADDITIONAL FASTENERS, STRAPS, PLATE SPLICE REQUIREMENTS, ETC. BE NOTED ON THE PLANS AND DETAILS.

SMIC CATEGORY "D" REQUIRES MINIMUM 5/8" Ø ANCHOR BOLTS, TYP.



ELEVATION 'D'



ELECTRONIC STAMP

ELECTRONIC STREAM

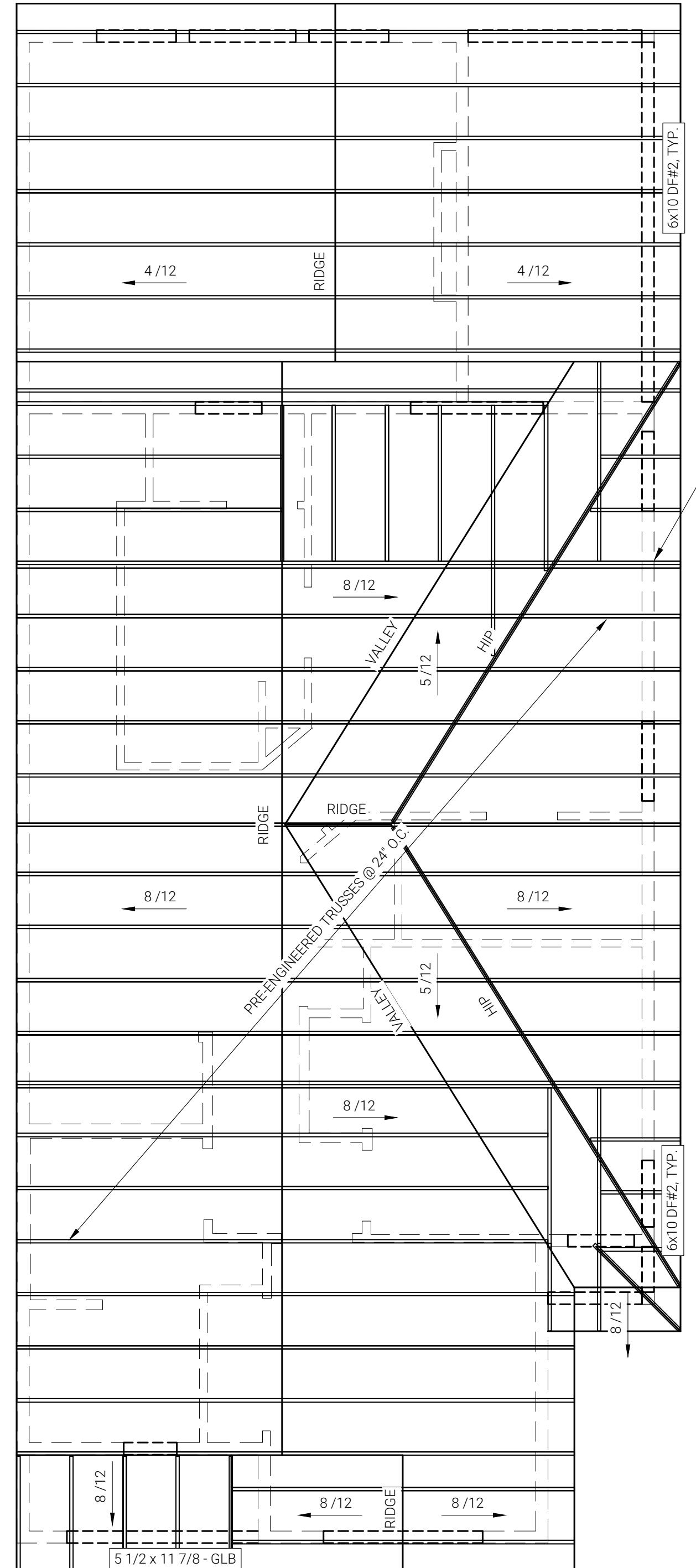
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DOE FRAMING PLAN NOTES

PSON H2.5A OR TLOK AT TRUSS ENDS. U.N.O.

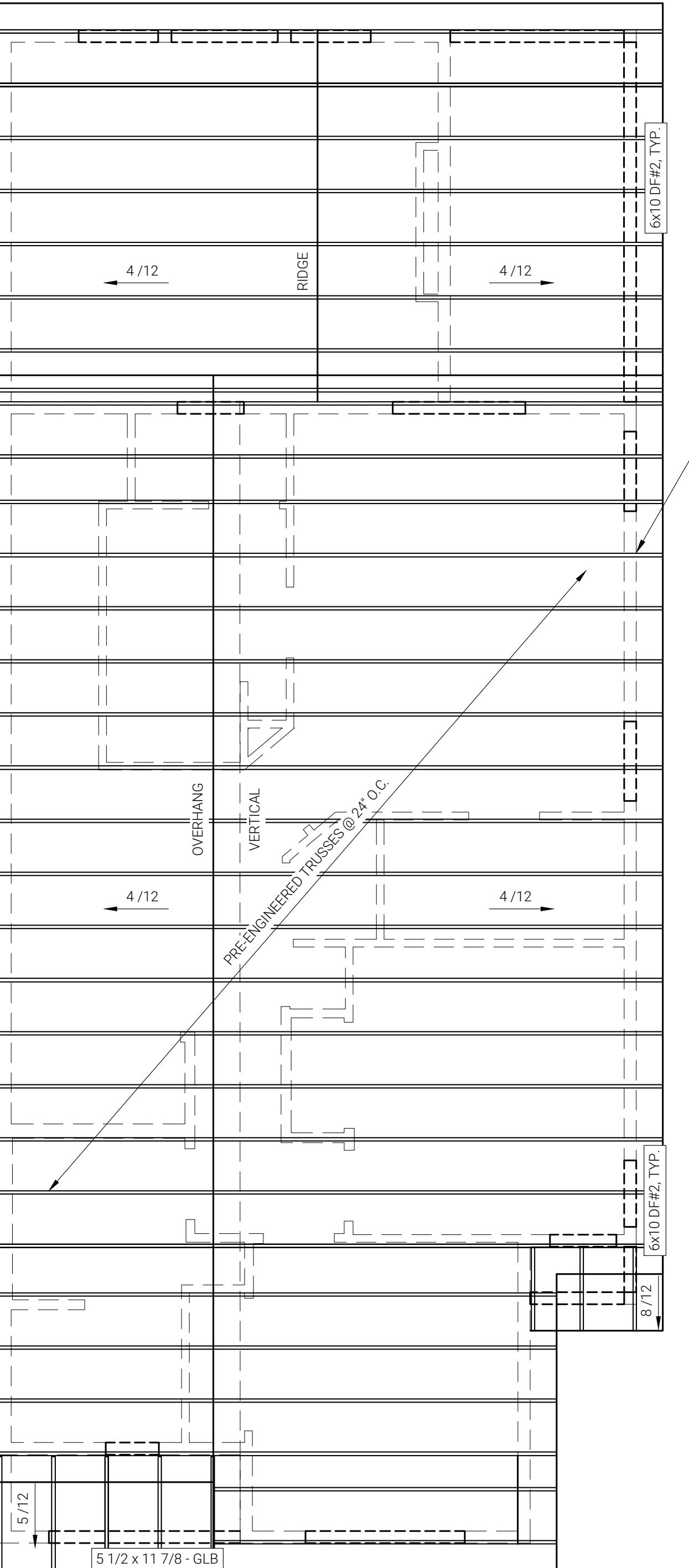
CONNECT GIRDER TRUSSES WITH SIMPSON LGT / LUGT, OR EQUIVALENT THAT IMPLIES WITH NUMBER OF TRUSS PLYS. CONNECT TO BUILT-UP COLUMN OF CHING PLYS, OR COLUMN, BELOW AS SPECIFIED.

ERIOR HEADERS TO BE 4x8 DF#2, TYP., U.N.O.



# ELEVATION 'A'

## SELECTED



# ELEVATION 'C'

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## SELECTED



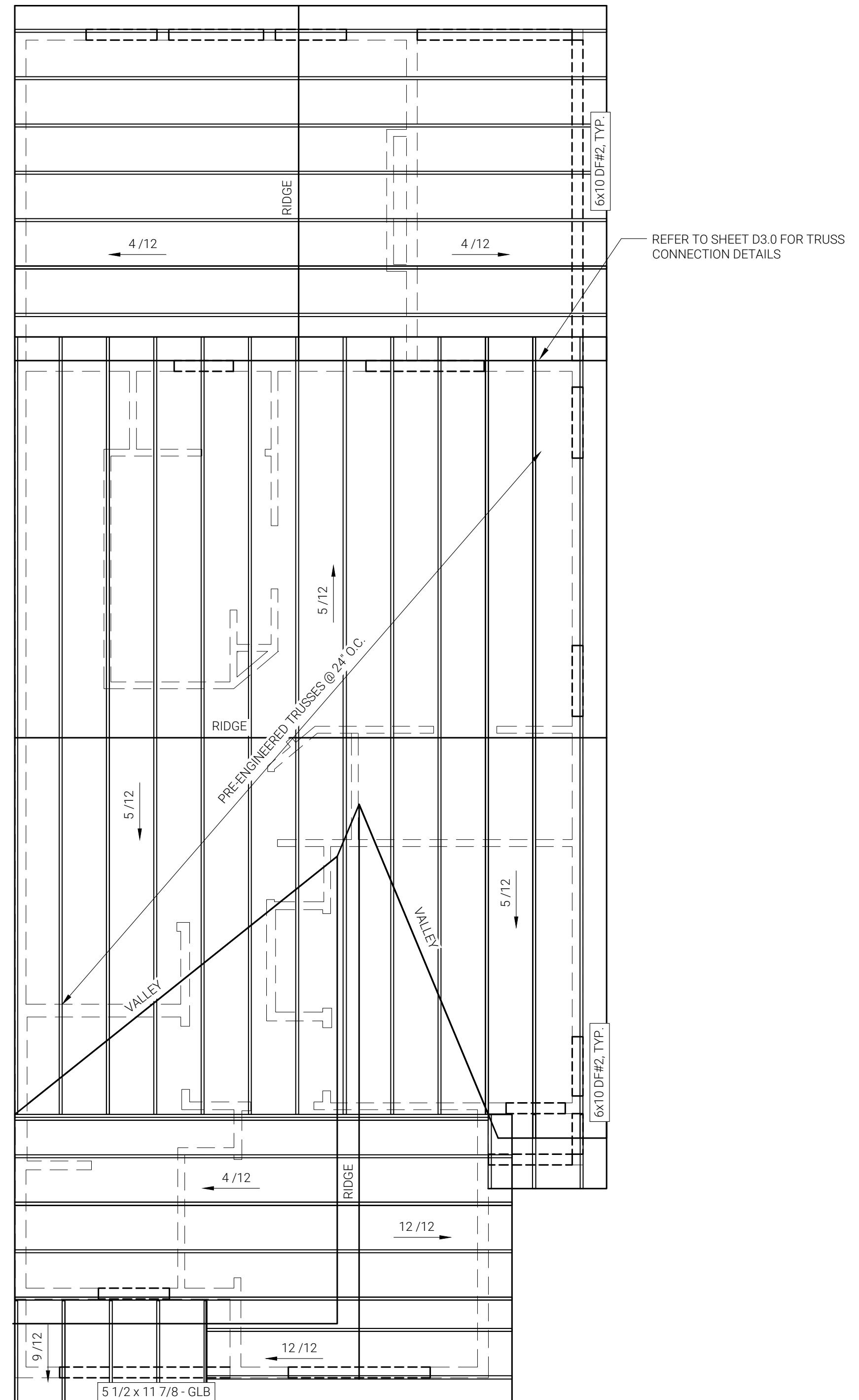
RES ELECTRONIC SIGNATURES  
SHEETS. DATE/TIME STAMP OF  
SHALL BE WITHIN 48 HOURS AFTER  
SEE BOTTOM LEFT CORNER.  
PROVIDE UNENCRYPTED  
DIRECTLY TO THE REVIEWING  
BY CONTACTING US DIRECTLY  
[port@pirisplans.com](mailto:port@pirisplans.com)

## ROOF FRAMING PLAN NOTES

OREGON  
SEPT 09, 2014  
LAS ROYAL MORTIER

EXPIRES: 12/31/2026

ELECTRONIC STAMP

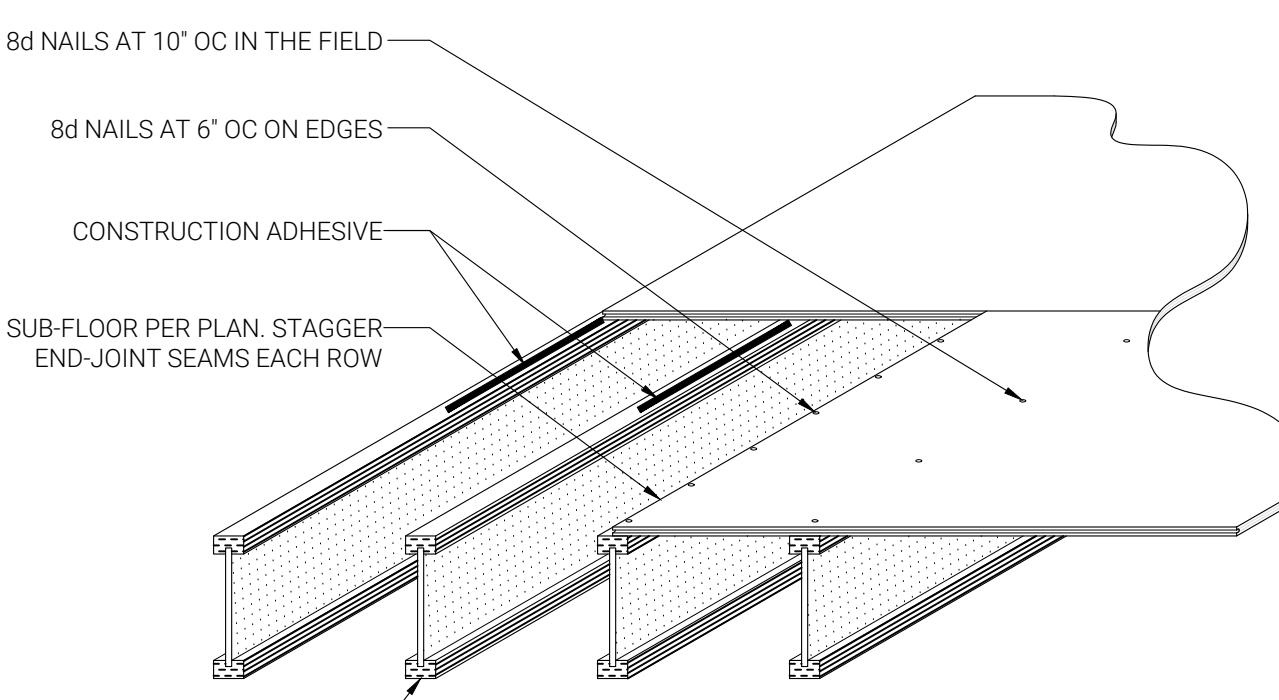


# ELEVATION 'D'

## SELECTED

**1** ROOF FRAMING PLAN  
S6.0 SCALE: 1/4" = 1'-0"



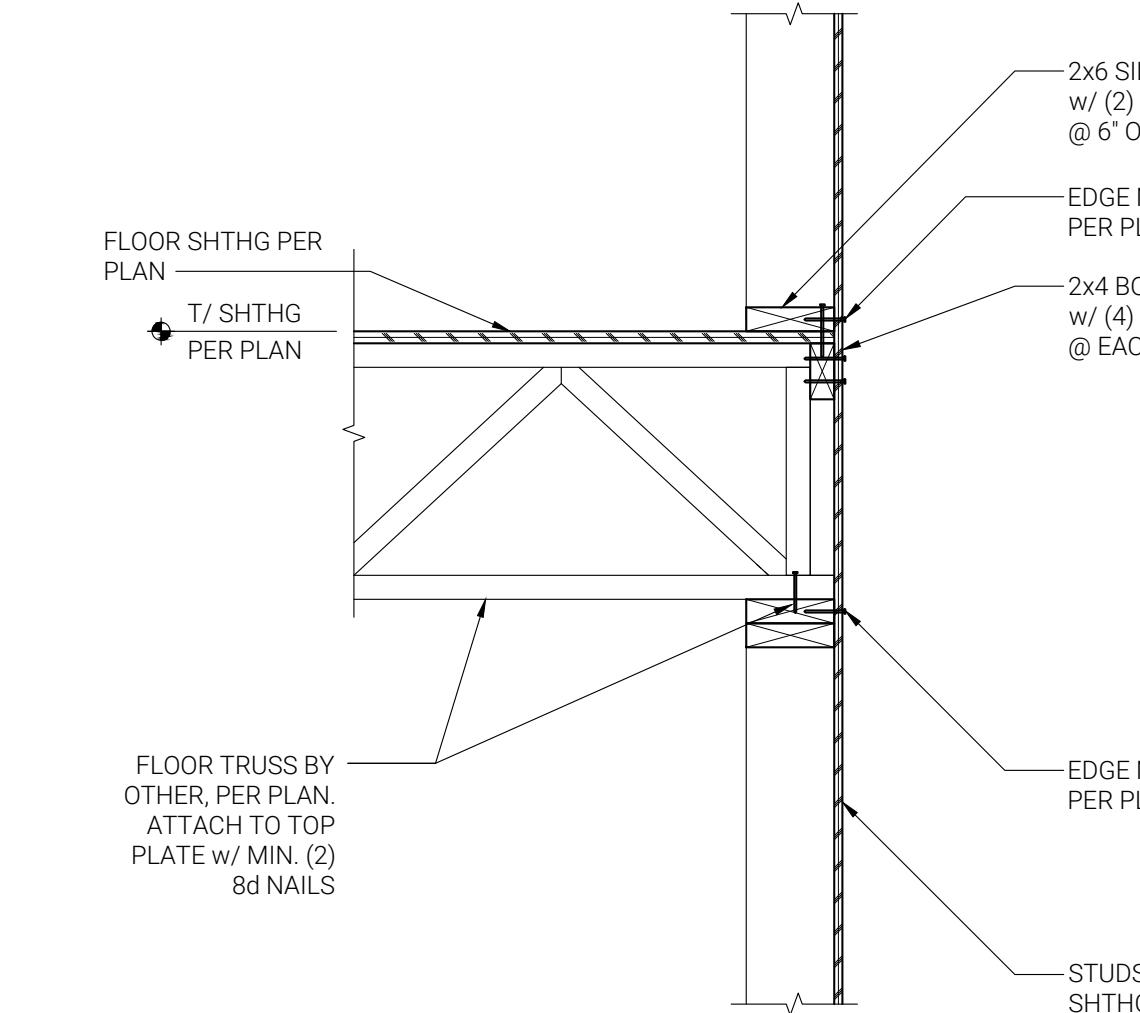


NOTES FOR SUB-FLOOR:

1. LAY T&G SUBFLOOR W/ THE TONGUE TOWARD YOU & THE GROOVE AWAY.
2. GLUE & NAIL EACH SHEET BEFORE INSTALLING THE NEXT.
3. WHEN PUSHING THE SHEETS TOGETHER, PROTECT THE GROOVE EDGE OF THE SHEET W/ A 2X4 LAID ACROSS THE JOISTS.
4. GLUE LINE MUST BE CONTINUOUS FOR THE FULL WIDTH OF THE SHEET.
5. MAINTAIN 1/8" GAP AT END OF JOISTS

**SUBFLOOR INSTALLATION**

060110

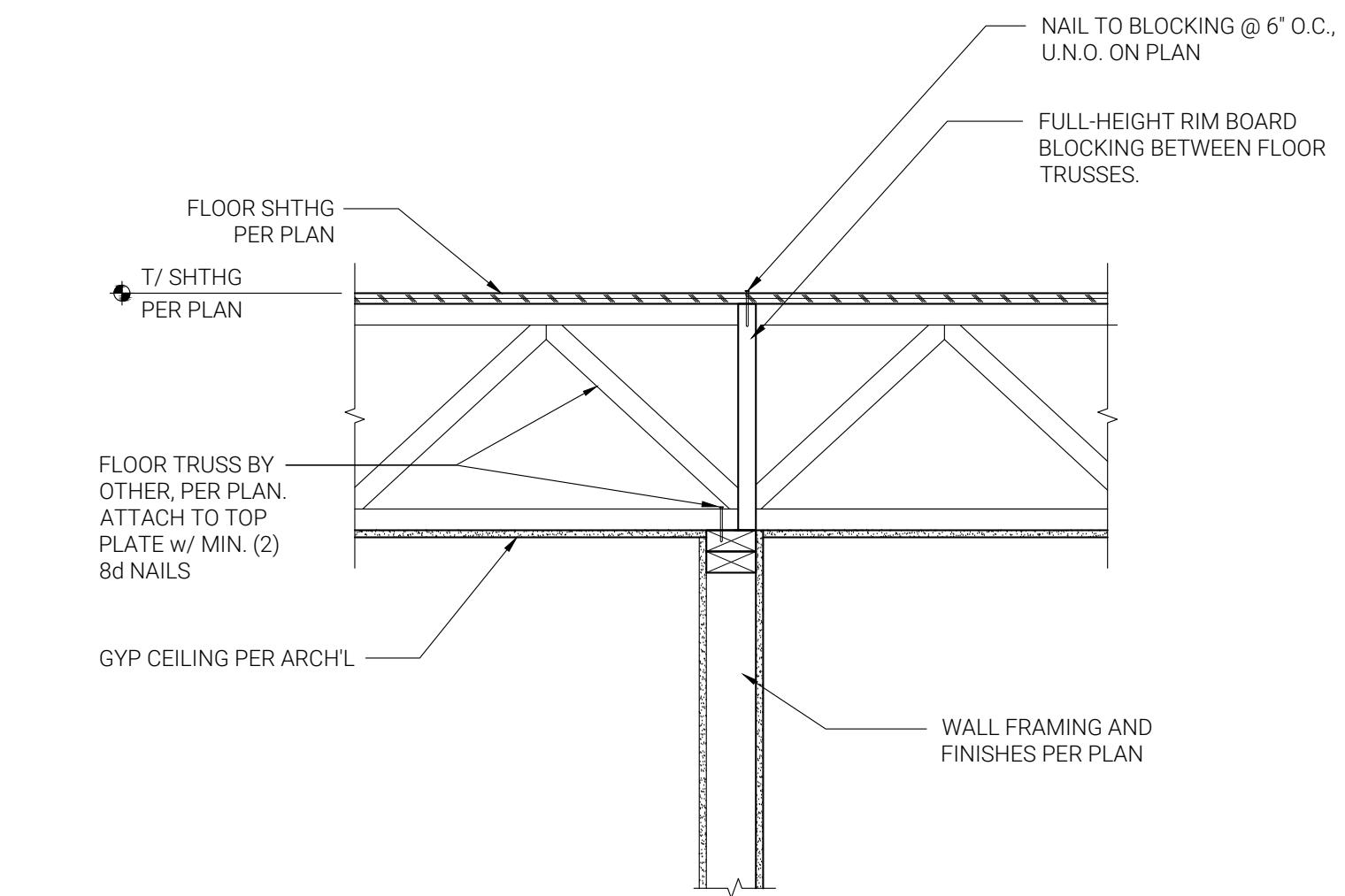


**FLOOR TRUSSES AT EXTERIOR WALL**

This architectural detail drawing illustrates the connection of a floor joist to a vertical stud wall. The floor joist is labeled as being supported by a 'FLOOR TRUSS BY OTHERS PER PLAN, TYP.' It features a 'CONT 2x6 PLATE w/ (2) 8d NAILS @ 6" OC' at its top edge. The joist is secured to a vertical stud wall using '(5) 8d NAILS, TYP.' and a 'DBL TOP PLATE'. The wall itself is labeled with 'STUDS AND SHTG PER PLAN'. A 'GYP CEILING PER ARCH'L' is shown above the joist. Bottom chord braces are indicated as required by the truss manufacturer ('MANUF'). Other labels include 'T/ SHTG PER PLAN' and 'EDGE NAILING PER PLAN, TYP.'

**FLOOR TRUSS @ EXTERIOR WALL - PARALLEL**

0601202

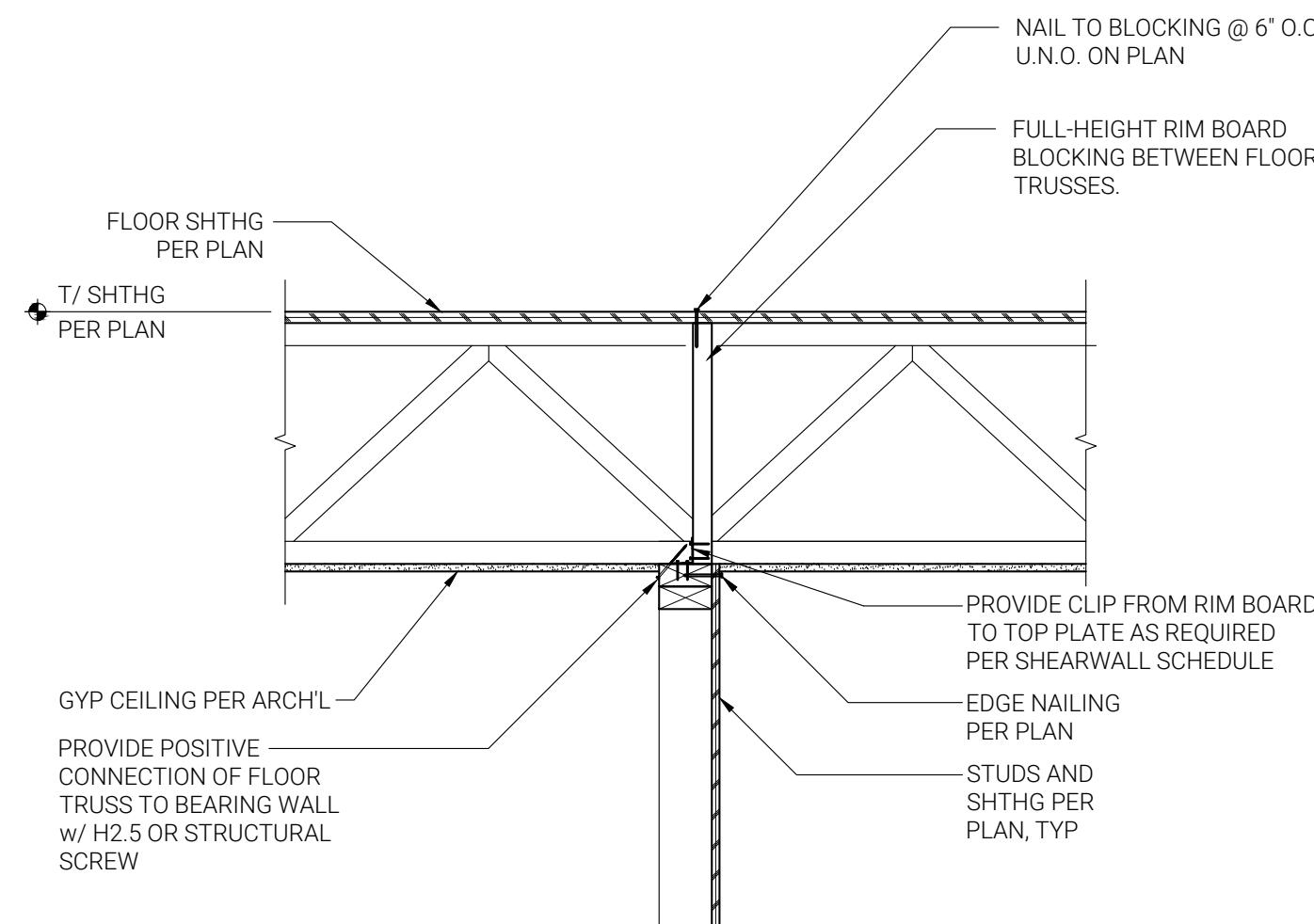


# FLOOR TRUSSES AT INTERIOR BEARING WALL

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0601201

THIS ROW OF DETAILS ARE ONLY APPLICABLE AS SPECIFIED IN THE DESIGN

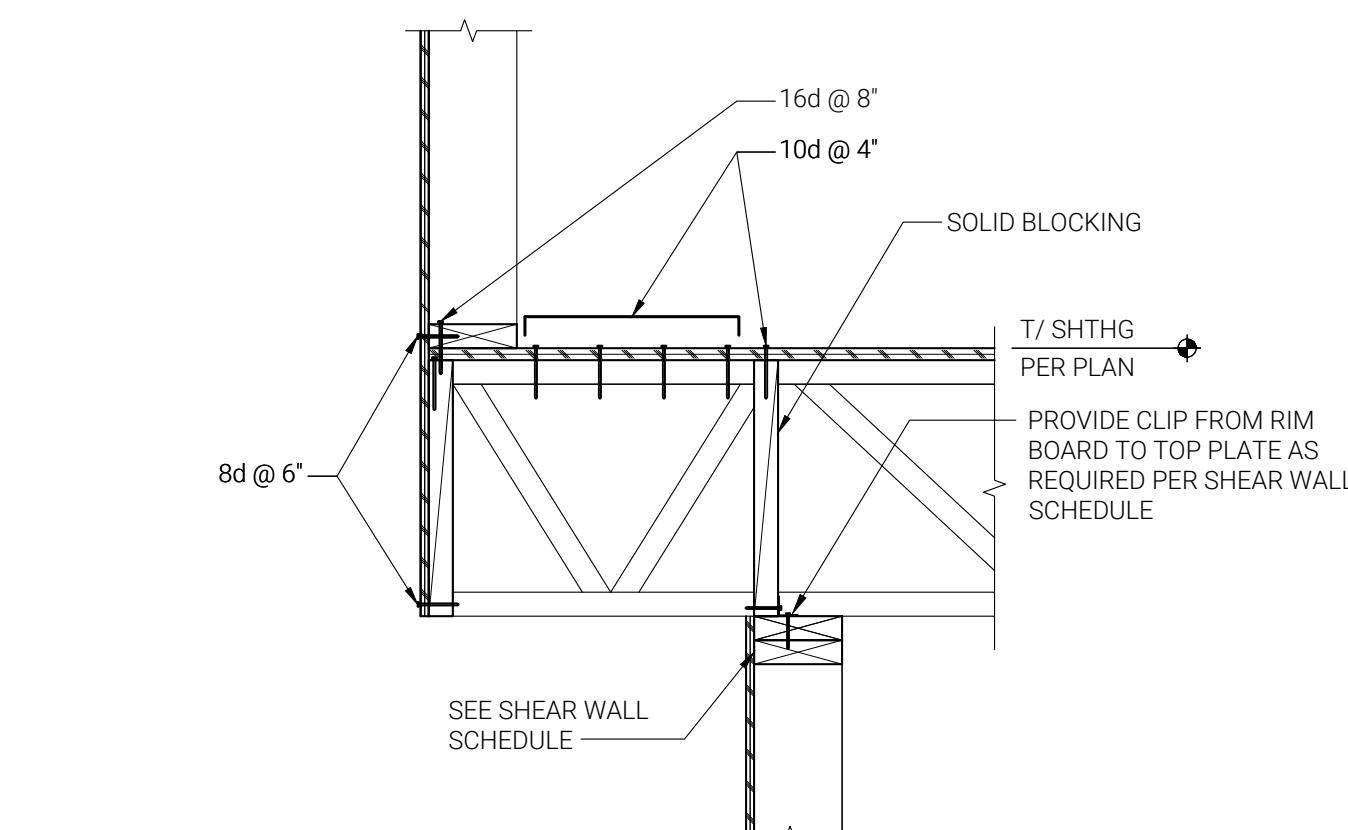


The diagram illustrates a timber beam-column connection under a vertical load. A horizontal beam is supported by a vertical column. The beam is connected to the column through a series of wooden blocks. A callout shows a cross-section of the connection, indicating a gap of  $\frac{1}{16}$ " between the beam and the column. The text "LOAD FROM ABOVE" points to the vertical force applied to the beam. Below the main diagram, the text "2X4 MINIMUM SQUASH BLOCKS; MATCH BEARING AREA OF COLUMN ABOVE" provides specific construction details.

LOAD FROM ABOVE

$\frac{1}{16}$ "

2X4 MINIMUM SQUASH BLOCKS; MATCH BEARING AREA OF COLUMN ABOVE



**9** FLOOR TRUSSES AT INTERIOR SHEAR WALL, AS APPLICABLE  
**D2.0** NTS

0601208



0601113



0001200  
12 PARALLEL FLOOR TRUSSES AT INTERIOR SHEAR WALL, AS APPLICABLE  
D2.0 NTS 0601206

0001200  
ABLE  

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0601206

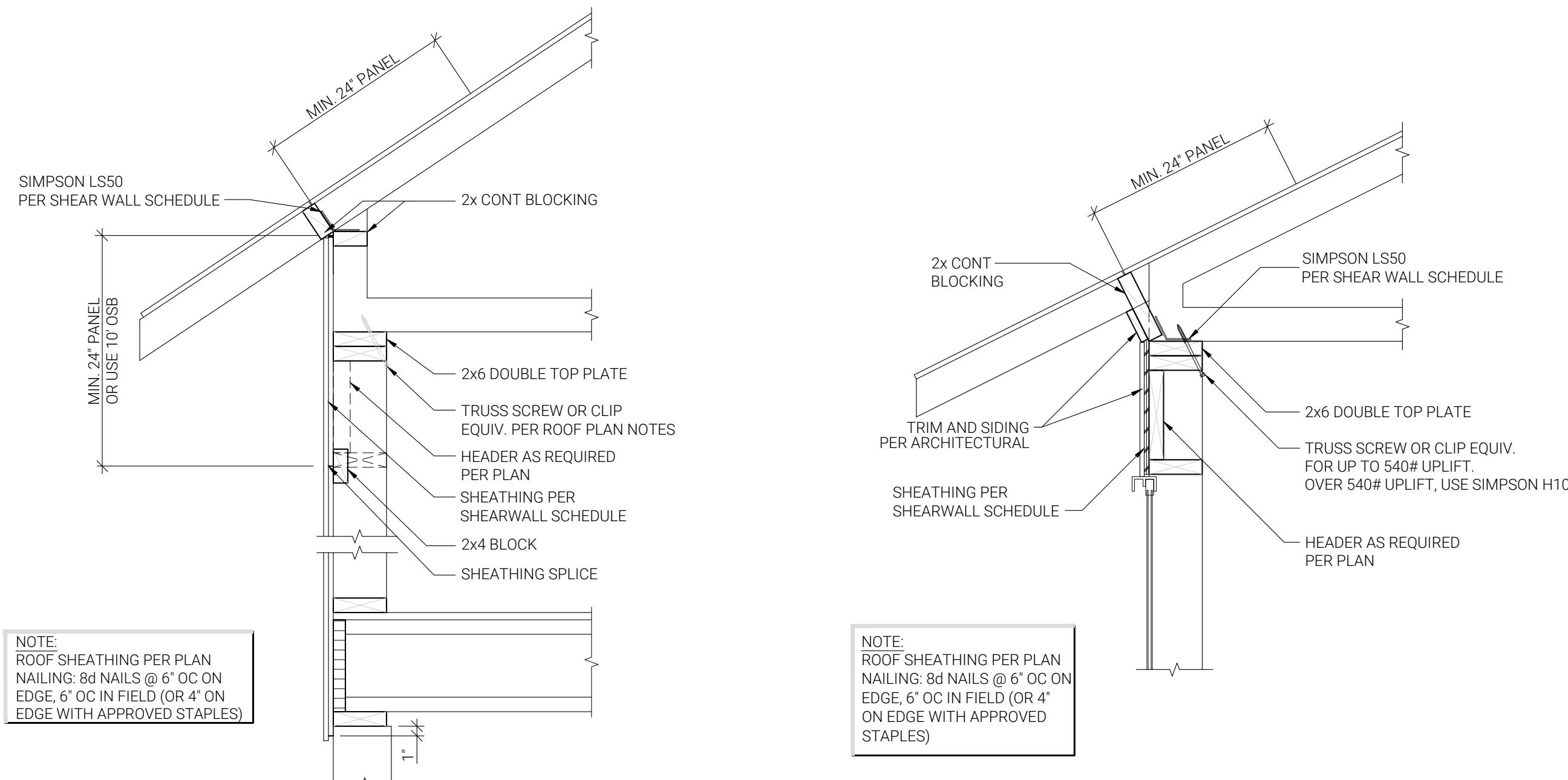


ELECTRONIC SIGNATURES  
S. DATE/TIME STAMP OF  
WITHIN 48 HOURS AFTER  
BOTTOM LEFT CORNER  
VIDE UNENCRYPTED  
LY TO THE REVIEWING  
CONTACTING HQ DIRECTLY

The stamp features a circular border with the words "PROFESSIONAL ENGINEER" at the top and "OREGON ROYAL MORTIER" at the bottom. In the center, it says "283PE" above the date "09, 2014". At the bottom, it includes the expiration date "09/30/2026" and the name "ANTONIO G. TAN MR".



GABLE ENDWALL BRACE SCHEDULE		
BRACE SIZE	ATTACHMENT	MAX. SPAN
2x4 DF#2	(1) SIMP. 'L/LS50'	7'-6"
2x6 DF#2	(1) SIMP. 'L/LS50'	10'-0"
(2)2x6 DF#2	(2) SIMP. 'L/LS50'	12'-0"



1 TRUSS BEARING- ENERGY HEEL  
D3.0 NTS

0603101

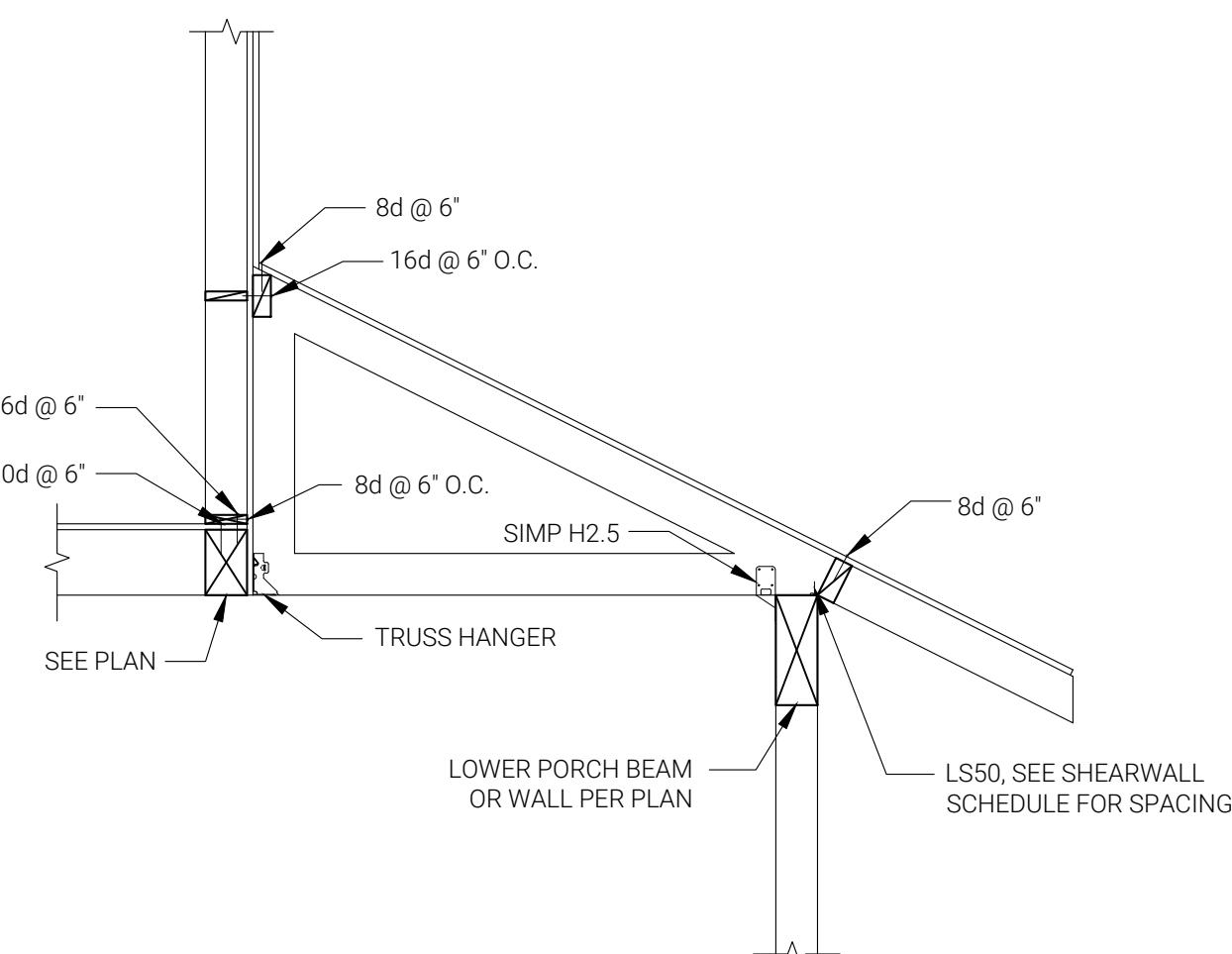
**2** TRUSS BEARING - SHEAR TRANSFER  
D3.0 NTS

0603102

**GABLE END BRACING DETAIL**

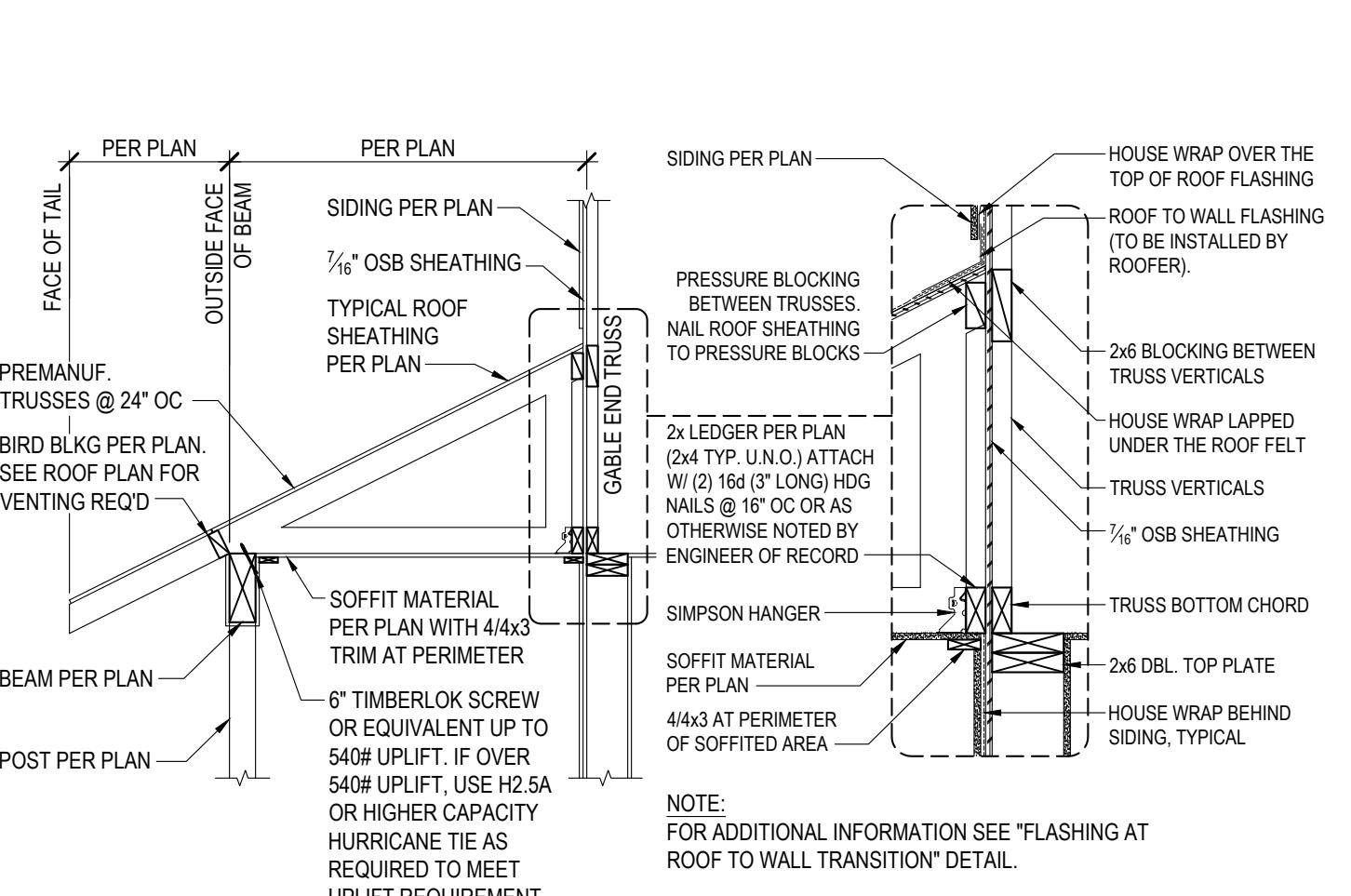
0603104

THIS ROW OF DETAILS ARE ONLY APPLICABLE AS SPECIFIED IN THE DESIGN



**9 MONO-TRUSS DETAIL, AS APPLICABLE**

0603103



**10 TRUSS ATTACHED WITH LEDGER, AS APPLICABLE**

0603105