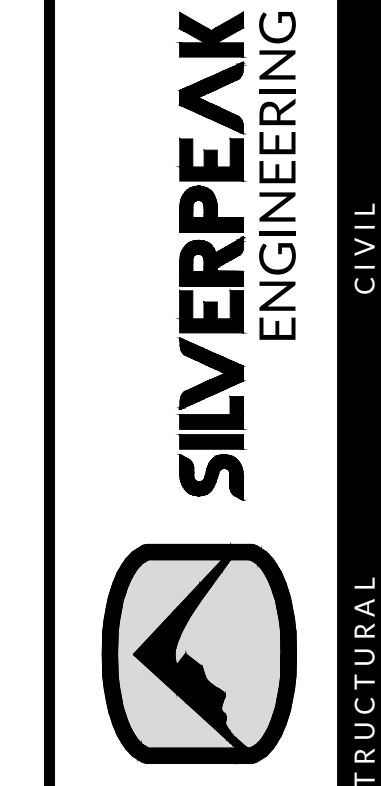




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627 OGDEN CANYON
OGDEN, UTAH

DATE: 11/16/2018
PROJECT: 18-022
DRAWN BY: WM
REVISIONS:

STRUCTURAL NOTES
SHEET NUMBER:
S001

GENERAL NOTES:

- VISITS TO THE JOB SITE BY REPRESENTATIVES OF THE ENGINEER DO NOT SUBSTITUTE APPROVAL OF THE WORK PERFORMED BY THE CONTRACTOR OR HIS SUBCONTRACTORS AND ARE MERELY FOR THE PURPOSE OF OBSERVING THE WORK PERFORMED.
- CONTRACTOR SHALL NOTIFY ENGINEER/ARCHITECT OF ANY DISCREPANCIES, OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS BEFORE PROCEEDING WITH ANY WORK INVOLVED. IN ALL CASES, UNLESS OTHERWISE DIRECTED, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN AND BE PERFORMED.
- CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND ELEVATIONS, ETC., AT THE SITE AND SHALL COORDINATE WORK PERFORMED BY ALL TRADES. DO NOT SCALE DRAWINGS.
- SHOP DRAWINGS SHALL BE REVIEWED BY THE ENGINEER/ARCHITECT PRIOR TO FABRICATION OR ERECTION FOR ANY PREFABRICATED OR MANUFACTURER-DESIGNED COMPONENTS AND SHALL BE STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THIS STRUCTURE RESIDES.
- SIZES, LOCATIONS, LOADS, AND ANCHORAGES OF EQUIPMENT SHALL BE VERIFIED IN THE FIELD WITH EQUIPMENT MANUFACTURERS (SUPPLIERS) PRIOR TO FABRICATION OR INSTALLATION OF SUPPORTING STRUCTURES.
- TEMPORARY BRACING SHALL BE PROVIDED WHEREVER NECESSARY TO TAKE CARE OF ALL LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED INCLUDING WIND. SUCH BRACING SHALL BE LEFT IN PLACE AS LONG AS MAY BE REQUIRED FOR SAFETY, OR UNTIL ALL THE STRUCTURAL ELEMENTS ARE INSTALLED.
- DURING AND AFTER CONSTRUCTION THE CONTRACTOR AND/OR OWNER SHALL KEEP LOADS ON THE STRUCTURE WITHIN THE LIMITS OF THE DESIGN LOAD.
- CONTRACTOR AND ALL SUBCONTRACTORS SHALL PERFORM THEIR TRADES AND DUTIES IN A MANNER CONFORMING TO THE PROCEDURES AND REQUIREMENTS AS STATED IN THE 2015 INTERNATIONAL BUILDING CODE, (OR LATEST ACCEPTED CODE ADOPTED BY THE LOCAL BUILDING OFFICIALS).
- ANY SPECIAL INSPECTIONS REQUIRED BY THE BUILDING OFFICIAL OR THE CONTRACTOR ARE THE RESPONSIBILITY OF THE OWNER OR CONTRACTOR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY AND PROTECTION WITHIN AND ADJACENT TO THE JOB SITE.

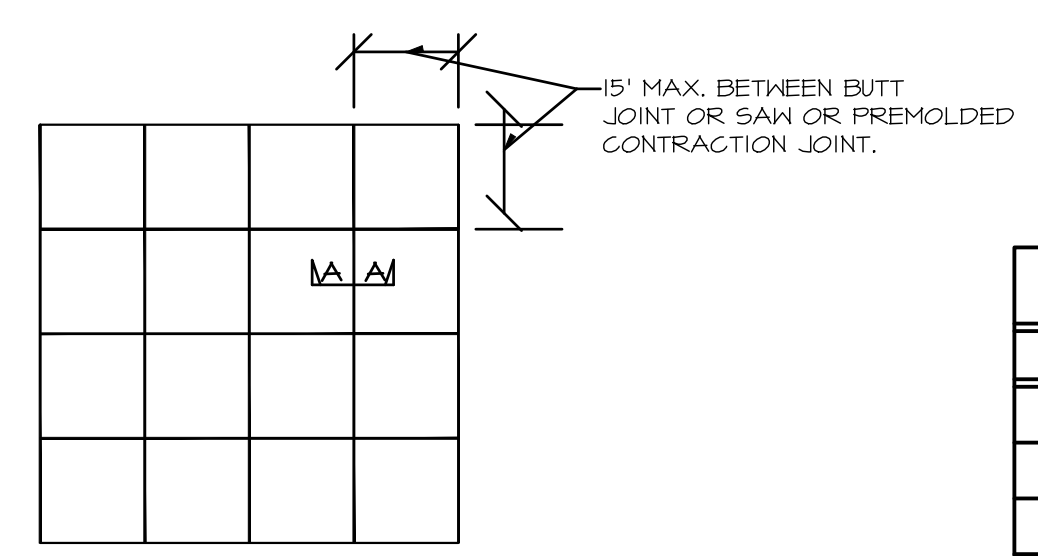
LUMBER NOTES:

- MEMBER GRADES SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:
GLU-LAM BEAMS 24F-V4 DF/DF
JOISTS DOUG-FIR #2 BTR
HEADERS DOUG-FIR #2 BTR
POSTS DOUG-FIR #1 BTR
STUDS NON-BEARING WALLS DOUG-FIR STUD GRADE BTR
STUDS BEARING WALLS DOUG-FIR #2 BTR
PRE-FAB JOISTS AS PER MANUFACTURER
SILL PLATES IN CONTACT WITH CONCRETE DOUG-FIR #2 PRESSURE TREATED FOR MOISTURE PROTECTION
- WHERE NOT NOTED OTHERWISE, CONNECT ALL WOOD TO CONCRETE, WOOD TO STEEL AND WOOD TO WOOD (EXCEPT STUD TO PLATE) WITH SIMPSON CONNECTORS.
- ALL MULTIPLE PLATES AND LEDGERS SHALL BE NAILED TOGETHER WITH 16d NAILS AT 8" ON CENTER.
- STUD WALLS SHALL RUN CONTINUOUS BETWEEN POINTS OF HORIZONTAL SUPPORT. PROVIDE BRACING WHERE OTHERWISE.
- BLOCK ALL HORIZONTAL EDGES OF PLYWOOD WALL SHEATHING WITH 2" NOMINAL BLOCKING. BLOCK EDGES OF PLYWOOD ON FLOORS AND ROOF AS DIRECTED ON DRAWINGS.
- SOLID 2" NOMINAL BLOCKING SHALL BE PROVIDED AT ENDS OR POINTS OF SUPPORT OF ALL WOOD JOISTS.
- ALL LEDGER BOLTS SHALL HAVE PLATE WASHERS WITH A MINIMUM DIA. EQUAL TO 3 TIMES THE BOLT DIA. UNLESS SHOWN OTHERWISE IN DETAILS.
- MINIMUM NAILING SHALL BE AS PER IRC.
- FASTENERS SUCH AS STAPLES, CAN ONLY BE SUBSTITUTED FOR NAILS AT A RATE EQUAL TO LOAD VALUES PROVIDED BY I.C.B.O. APPROVAL. SEE ATTACHED SCHEDULE.
- JOISTS SHALL HAVE BRIDGING, BLOCKING AND NOTCHED BEARING PLATES AS RECOMMENDED BY THE MANUFACTURER WITH A MINIMUM OF ONE ROW OF BRACING AT MID SPAN. MANUFACTURER SHALL SUPPLY AND CONTRACTOR SHALL INSTALL.
- ALL FASTENERS (I.E. NAILS, SCREWS, ANCHOR BOLTS, ETC.) WHICH ARE TO BE INSTALLED IN PRESERVATIVE TREATED WOOD (I.E. SILL PLATES) SHALL MEET THE REQUIREMENTS OF IBC 2304.10.5.1

FOOTINGS, FOUNDATIONS AND SLAB ON GRADE NOTES:

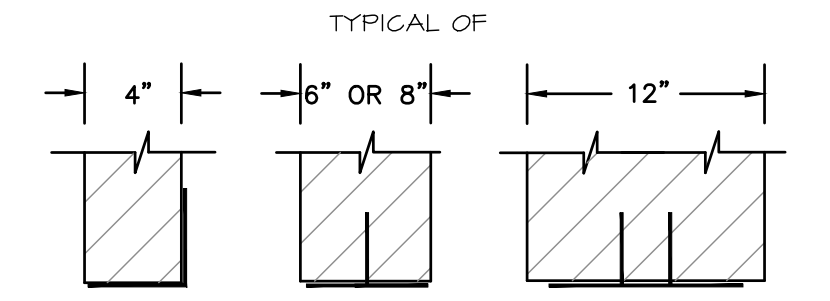
- ALL FOOTINGS SIZES ARE BASED ON AN ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSF. ANY SOIL CONDITION ENCOUNTERED DURING EXCAVATION THAT IS CONTRARY TO THOSE USED FOR DESIGN OF FOOTINGS AS OUTLINED IN WORKING DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING.
- ALL FOOTINGS SHALL BEAR ON UNDISTURBED NATIVE SOIL OR ENGINEERED GRANULAR FILL COMPACTED TO 95% OF MAX DENSITY, BASED ON ASTM D 1557 METHOD OF COMPACTION. FILL SHALL BE PLACED IN LAYERS NOT TO EXCEED SIX IN. IN DEPTH AFTER COMPACTION AND SHALL EXTEND DOWN TO IN-SITU SOILS. FILL SHALL BE COMPACTED UNDER ALL CONCRETE WORK ON THE SITE.
- NO FOOTINGS SHALL BE PLACED IN WATER, SNOW, FROZEN GROUND, OR UNSTABLE SOILS.
- ALL EXCAVATIONS ADJACENT TO AND BELOW FOOTING ELEVATION FOR OTHER TRADES SHALL BE ACCOMPLISHED PRIOR TO POURING ANY FOOTINGS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR LATERALLY SUPPORTING ALL RETAINING TYPE FOUNDATION WALLS WHILE COMPACTION BEHIND WALLS AND UNTIL ALL SUPPORTING MEMBERS HAVE BEEN PLACED (SUCH AS FLOOR SLABS). ALL OPEN EXCAVATIONS AND TRENCHES SHALL BE SUPPORTED AND BARRICADED BY CONTRACTOR TO CONFORM WITH OSHA SAFETY STANDARDS.
- ALL REINFORCEMENTS SHALL BE SECURELY TIED IN PLACE PRIOR TO POURING CONCRETE.
- PROVIDE DOVELS IN FOOTING AND FOUNDATIONS TO MATCH ALL VERTICAL BARS IN WALLS AND COLUMNS ABOVE, UNLESS NOTED OTHERWISE.
- PROVIDE CONTROL JOINTS (SEE TYPICAL DETAILS) IN SLABS AT A MAX. OF 15 FT. O.C. EACH WAY AND AS SHOWN ON PLANS. FOUR SLABS BETWEEN CONTROL JOINTS, SO THAT ADJACENT POURS ARE STAGGERED AT LEAST TWO DAYS APART. SHORTLY AFTER SLABS ARE POURED, MAKE SAW-CUT JOINTS AT A MAX. OF 15 FT. O.C. BETWEEN FOUR CONTROL JOINTS.

SLAB ON GRADE CONTROL JOINTS NOT TO SCALE



LINTEL:

LINTELS CARRY MASONRY ONLY. WHERE FLOORS, ROOFS, OR CONCENTRATED LOADS OCCUR, FURTHER ANALYSIS IS NECESSARY. PROVIDE 1" OF BEARING EACH END FOR EACH FOOT OF SPAN. MINIMUM BEARING 6" EACH SIDE ON OPENING. USE THIS SCHEDULE UNLESS NOTED OTHERWISE.



STEEL LINTEL SCHEDULE

CLEAR OPENING	SIZE ANGLE
UP TO 5'-0"	3 1/2" x 3" x 1/4"
5'-1" TO 7'-0"	3 1/2" x 3 1/2" x 1/4"
7'-1" TO 9'-0"	5" x 3" x 1/4"
9'-1" TO 10'-0"	5" x 3" x 5/16"
10'-1" TO 11'-0"	5" x 3" x 3/8"
11'-1" TO 12'-0"	6" x 3" x 3/8"
12'-1" AND OVER	ANALYSIS REGD.

NOTE: ALL LINTELS SHALL BE LONG LEG UP.

STUD HEIGHT CHART FOR ALL STUDS UNO.

STUDS	SPACING	MAX. HEIGHT
2x4	16" O.C.	10'-0"
2x4	12" O.C.	11'-6"
2x6	16" O.C.	16'-0"
2x6	12" O.C.	18'-0"
5 1/2" LVL	16" O.C.	20'-0"

TABLE OF EQUIVALENT FASTENERS STAPLES, NAILS AND T-NAILS (VALID FOR LATERAL LOAD ONLY)

COMMON NAIL SPACING	EQUIV. SPACING OF APPR. FASTENERS	STAPLES					NAILS/T-NAILS	
		GAUGE	16		15		1 1/4"	1/2"
			1" PENETRATION	1"	1"	1 1/4"		
6d AT	4"	3 1/2"	4"	5"	4"	5"		
	6"	5"	6"	7"	6"	7 1/2"		
	8"	6 1/2"	6"	9 1/2"	8"	10"		
	10"	8 1/2"	10"	12"	10"	12"		
	12"	10"	12"	14 1/2"	12"	14 1/2"		
8d AT	3"	2"	2 1/2"	3"	2 1/2"	3"		
	4"	2 1/2"	3 1/2"	4"	3 1/2"	4"		
	6"	4"	5"	6"	5"	6"		
	8"	5 1/2"	6 1/2"	8"	6 1/2"	8"		
	10"	6 1/2"	8"	10"	8"	10"		
10d AT	12"	8"	10"	12"	9 1/2"	12"		
	4"	2"	2 1/2"	3"	2 1/2"	3 1/2"		
	6"	3 1/2"	4"	5"	4"	5"		
	8"	4 1/2"	5 1/2"	6 1/2"	5 1/2"	7"		
	10"	5 1/2"	7"	8"	6 1/2"	8 1/2"		
12"	6 1/2"	8"	9 1/2"	8 1/2"	10"			

NOTE: PENETRATION IS THE DEPTH OF EMBEDMENT OF THE STAPLE OR NAIL INTO THE MAIN MEMBER REQUIRED TO ATTAIN ITS FULL CAPACITY (SHEAR VALUE) FOR LATERAL LOADS.
NOTE: ALL FASTENERS (I.E. NAILS, SCREWS, ANCHOR BOLTS, ETC.) WHICH ARE TO BE INSTALLED IN PRESERVATIVE TREATED WOOD (I.E. SILL PLATES) SHALL MEET THE REQUIREMENTS OF IBC 2304.9.5

HOLDDOWN & STRAP SCHEDULE

MARK	DESCRIPTION
△	NO HOLDDOWN OR STRAP REQUIRED
△	SIMPSON 5THD14 HOLDDOWN
△	SIMPSON 5THD14RJ HOLDDOWN
△	SIMPSON MST48 STRAP

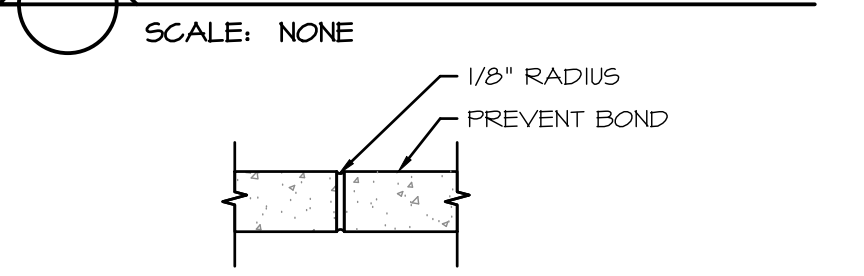
1) ANCHOR ALL HOLDDOWNS THROUGH A MINIMUM OF (2) 2x STUDS.
2) THE FOUNDATION CONTRACTOR SHALL PLACE ALL HOLDDOWN STRAPS TO LINE UP WITH A CORNER, WINDOW OR DOOR JAMB STUD IN THE FRAMED WALL DIRECTLY ABOVE.

DESIGN CRITERIA:

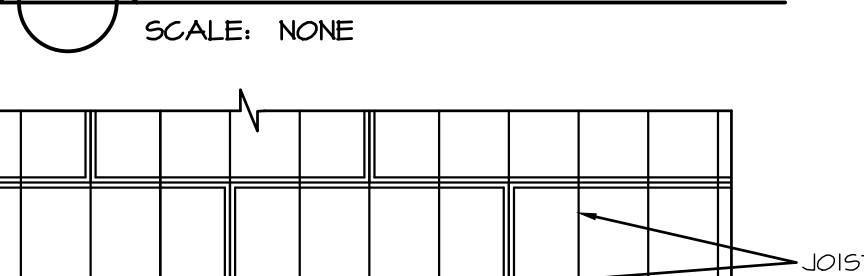
GOVERNING CODE	2015 IBC	I = 1.00
SEISMIC MAPPED ACCELERATION	180	R = 6.5
		Sds = 1.00g
BASIC WIND SPEED	115 MPH	EXPOSURE C
		I = 1.00
ROOF DEAD LOAD	15 PSF	
LIVE LOAD	36 PSF	
FLOOR DEAD LOAD	15 PSF	
LIVE LOAD	40 PSF	
SOIL BEARING PRESSURE	1500 PSF (ASSUMED)	

*** STANDARD OCCUPANCY ***

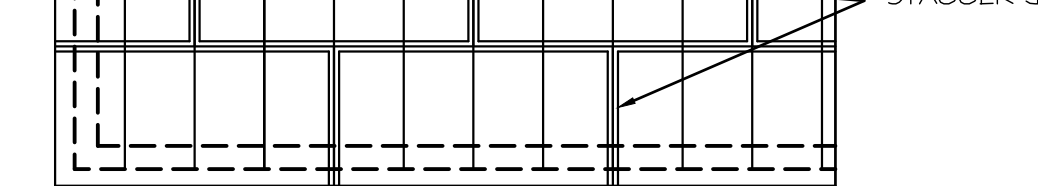
SAWED OR PREMOLDED CONTRACTION JOINT



BUTT JOINT CONSTRUCTION JOINT



HORIZONTAL SHEATHING LAYOUT NOT TO SCALE



MINIMUM NAILING SCHEDULE

"CONNECTION"	"NAILING"
1. JOIST TO SILL GIRDER, TOENAIL	3-8d
2. BRIDGING TO JOIST, TOENAIL EA. END	2-8d
3. SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	6d @ 16" OC
4. TOP PLATE TO STUD, END NAIL	2-16d
5. STUD TO SOLE PLATE	4-8d TOENAIL, 2-8d END NAIL
6. DOUBLE STUDS, FACE NAIL	16d @ 24" OC
7. DOUBLE TOP PLATES, FACE NAIL	16d @ 16" OC
8. TOP PLATES, LAPS & INTERSECTIONS, FACE NAIL	2-16d
9. CONTINUOUS HEADERS TWO PIECES, ALONG EA. EDGE	16d @ 16" OC
10. CEILING JOISTS TO PLATE, TOENAIL	3-8d
11. CONTINUOUS HEADERS TO STUD, TOENAIL	4-8d
12. CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	3-16d
13. CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	3-16d
14. RAFTER TO PLATE, TOENAIL	3-8d
15. BUILT-UP CORNER STUDS	16d @ 24" OC
16. BUILT-UP GIRDER AND BEAMS	20d @ 24" OC T/B STAGGERED 2-20d @ ENDS @ SPLICES

SHEARWALL SCHEDULE

MARK	SHEATHING	NAILING REQUIREMENTS		ANCHOR BOLTS		SILL PLATE	NOTES
		EDGE	FIELD	DIAMETER	SPACING		
SW-1	7/16" OSB ONE SIDE	8d @ 6" O.C.	8d @ 12" O.C.	1/2"	32" O.C.	2 x	1, 2, 3, 4, 5
SW-2	7/16" OSB ONE SIDE	8d @ 4" O.C.	8d @ 12" O.C.	1/2"	32" O.C.	2 x	1, 2, 3, 4, 5
SW-3	7/16" OSB ONE SIDE	8d @ 3" O.C.	8d @ 12" O.C.	1/2"	32" O.C.	2 x	1, 2, 3, 4, 5, 6
SW-5	7/16" OSB BOTH SIDES	8d @ 3" O.C.	8d @ 12" O.C.	1/2"	16" O.C.	2 x	1, 2, 3, 4, 5, 6, 7

NOTES:
1. APPLY 7/16" APA OSB OVER DOUGLAS FIR OR SOUTHERN PINE FRAMING SPACED @ 16" O.C.
2. NAIL OR STAPLE SHEATHING ALONG INTERMEDIATE STUDS @ 12" O.C.
3. BLOCK ALL PANEL EDGES
4. PROVIDE 3" x 3" x 1/4" PLATE WASHERS ON ANCHOR BOLTS (Typical).
5. ALL SHEATHING SHALL EXTEND CONTINUOUS FROM SILL PLATE TO ROOF OR FLOOR SHEATHING.
6. FRAMING AT ADJOINING PANELS SHALL BE 3" NOMINAL OR (2) 2x NAILED TOGETHER WITH (2) ROWS OF 16d COMMON NAILS @ 12" O.C.
7. OFFSET PANEL JOINTS TO AVOID SPLITTING THE STUDS.
8. INSTALL SIMPSON LCE4 CONNECTORS ON EACH CORNER OF WINDOWS NOTED AS LCE4



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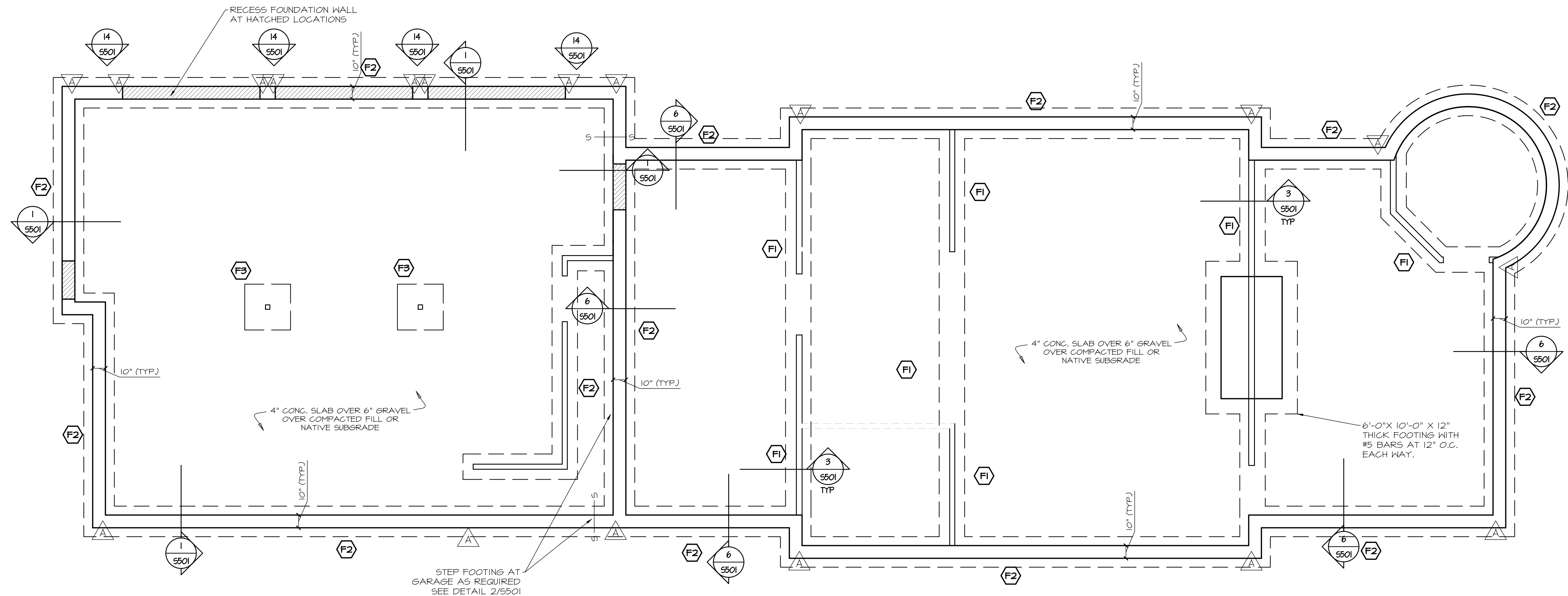
FOOTING / FDN PLAN

SHEET NUMBER:
S101

FOOTING SCHEDULE

MARK	WIDTH	LENGTH	THICK	CROSSWISE REINFORCING				LENGTHWISE REINFORCING			
				NO.	SIZE	LENGTH	SPAC.	NO.	SIZE	LENGTH	SPAC.
F1	1'-8"	CONT.	10"	--	NONE	REQ'D	--	2	#4	CONT.	EVEN
F2	2'-0"	CONT.	10"	--	NONE	REQ'D	--	2	#4	CONT.	EVEN
F3	3'-0"	3'-0"	10"	3	#4	2'-6"	EVEN	3	#4	2'-6"	EVEN

NOTES:
1. PLACE ALL FOOTING REINFORCING 3" FROM BOTTOM OF FOOTING WITH 3" CLEAR ON SIDES UNLESS NOTED OTHERWISE.



CONCRETE WALL SCHEDULE

WALL HEIGHT	TOP EDGE SUPPORT	MINIMUM THICKNESS	REINFORCING		STEEL AT OPENINGS	REMARKS
			VERTICAL	HORIZONTAL		
2'-0"	NONE	8"	#4 DOUELS @ 24" O.C.	2- #4 BARS	ABOVE: 2- #4 BARS	FOR 10" THICK WALLS USE #4 VERT. AT 16" O.C. AND #4 HORIZ. AT 10" O.C.
4'-0"		8"	#4 @ 24" O.C.	4- #4 BARS	EACH SIDE: 1- #4 BAR	
6'-0"	FLOOR OR ROOF DIAPHRAGM	8"	#4 @ 24" O.C.	5- #4 BARS	BELOW: 1- #4 BAR	
8'-0"		8"	#4 @ 24" O.C.	6- #4 BARS		
9'-0"		8"	#4 @ 16" O.C.	7- #4 BARS		

NOTES: 1. FOR WALLS WITH ONE MAT OF STEEL, VERTICAL STEEL TO BE PLACED IN CENTER OF WALL AND EXTEND TO WITHIN THREE INCHES OF THE TOP OF THE WALL. DOUELS OF #4 BARS TO MATCH VERTICAL STEEL PLACEMENT SHALL BE PROVIDED IN THE FOOTING EXTENDING 24" INTO THE FOUNDATION WALL.
2. ONE HORIZONTAL BAR SHALL BE LOCATED IN THE TOP 4", ONE BAR IN THE BOTTOM 4" AND THE OTHER BARS EQUALLY SPACED. CORNER REINFORCING SHALL BE PROVIDED 50 AS TO LAP 24".
3. BARS SHALL BE PLACED WITHIN 2" OF OPENINGS AND EXTEND 24" BEYOND THE EDGE OF THE OPENING. VERTICAL BARS MAY TERMINATE 3" FROM THE TOP OF THE CONCRETE.
4. PLACE 1/2" x 10" ANCHOR BOLTS AT 32" O.C. IN TOP OF ALL WALLS TO RECEIVE SILL PLATES. CAST ANCHOR BOLTS A MINIMUM OF 1" INTO CONCRETE. USE 3"x3"x1/4" WASHERS ON ALL ANCHOR BOLTS. EACH WALL SEGMENT MUST HAVE 2 ANCHOR BOLTS MINIMUM.
5. LINTEL DEPTH SHALL BE 2" FOR EACH FOOT OF OPENING WIDTH, MIN 6".

FOOTING / FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

1
S101

FLOOR SHEATHING NOTES:

- FLOOR SHEATHING SHALL BE 3/4" T&G WAFFERBOARD GLUED & NAILED WITH 10d NAILS AT 6" O.C. AT ALL PANEL ENDS, SUPPORTED EDGES AND ALL BLOCKING; 10d AT 12" O.C. ALONG INTERMEDIATE FRAMING MEMBERS. GLUE WITH GLUE CONFORMING TO AFG-01 ACCORDING TO APA SPECIFICATIONS.
- BLOCK JOISTS SOLID AT ALL BEARING POINTS.
- ALL HEADERS OVER DOOR & WINDOWS ARE (2) 2" x 10" U.N.O.
- PROVIDE SQUASH BLOCKING AT ALL POINT LOADS THROUGH FLOOR

GENERAL FRAMING NOTES

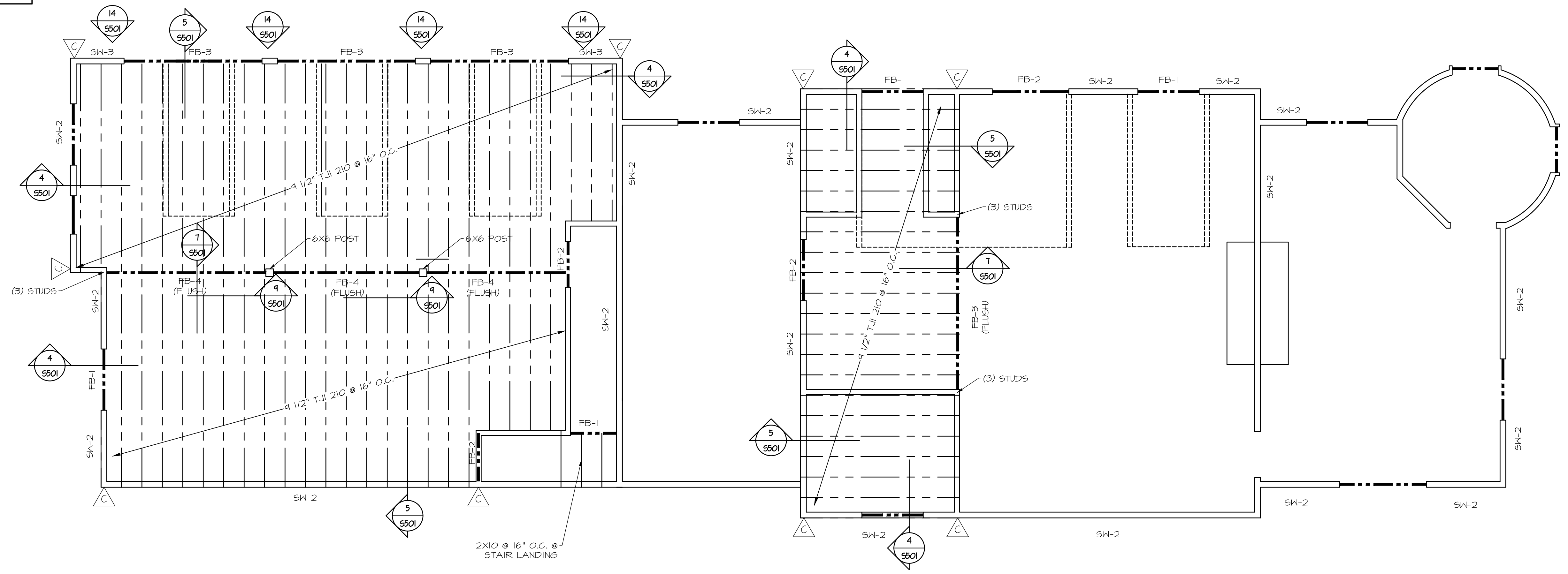
- USE DOUGLAS FIR-LARCH #2 AND BETTER FOR ALL SAWN LUMBER BEAMS & STRUCTURAL COLUMNS
- USE 1.4E (MIN) LVL BEAMS.
- CONNECT 4 PLY AND GREATER LVL BEAMS WITH (2) ROWS 1/2" THRU BOLTS @ 12" O.C. (SEE MANUFACTURERS SPECIFICATIONS)
- CARRY ALL COLUMN LOADS DOWN TO FOOTING OR FOUNDATION WALL.
- PROVIDE SOLID BLOCKING OR SQUASH BLOCKS IN JOIST SPACE AT ALL COLUMN LOCATIONS
- ALL NOTES PERTAINING TO APPLIED LOADS ARE BASED ON ALLOWABLE STRESS DESIGN (ASD).

FLOOR BEAM SCHEDULE	
FB-1	(2) 2x10
FB-2	(2) 9 1/2" MICROLAM
FB-3	(2) 11 7/8" MICROLAM
FB-4	(3) 9 1/2" MICROLAM

NOTE: SEE DETAIL 0/5501 FOR TYPICAL BEAM CONNECTIONS.

WALL TYPE LEGEND

WALL TYPE	DESCRIPTION
	INDICATES CONCRETE FOUNDATION WALL
	INDICATES STUD BEARING WALL
	INDICATES NON LOAD BEARING WALL



UPPER FLOOR FRAMING PLAN 1
SCALE: 1/4" = 1'-0" S111



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UPPER FLOOR FRAMING
SHEET NUMBER:
S111

PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.

ROOF SHEATHING NOTES:

1. ROOF SHEATHING SHALL BE 7/16" OR THICKER APA RATED SHEATHING W/SPAN RATING OF 32/16 NAILED WITH 8d NAILS AT 6" O.C. AT ALL PANEL ENDS, SUPPORTED EDGES, TOP OF SHEAR WALLS AND ALL BLOCKING; 8d NAILS AT 12" O.C. ALONG INTERMEDIATE FRAMING MEMBERS. PROVIDE 1/8" GAP BETWEEN ALL PANELS.
2. BLOCK JOISTS SOLID AT ALL BEARING POINTS.

ROOF TRUSS NOTES:

1. TRUSSES SHALL BE DESIGNED FOR 36 PSF LIVE LOAD.
2. DESIGN TRUSSES TO LIMIT DEFLECTION TO SPAN (IN) DIVIDED BY 240.
3. CHECK DIMENSIONS WITH ARCH. DRAWINGS. TRUSS MANUFACTURER IS RESPONSIBLE TO PROVIDE WEB AND CHORD MEMBERS TO SATISFY LOAD REQUIREMENTS.
4. TRUSS MANUFACTURER SHALL SUBMIT CALCULATIONS AND SHOP DRAWINGS FOR APPROVAL BY ENGINEER.

GENERAL ROOF FRAMING NOTES

1. USE DOUGLAS FIR-LARCH #2 AND BETTER FOR ALL SAWN LUMBER BEAMS & STRUCTURAL COLUMNING.
2. USE 1.4E (MIN) LVL BEAMS.
3. CONNECT 4 PLY AND GREATER LVL BEAMS WITH (2) ROWS 1/2" THRU BOLTS @ 12" O.C. (SEE MANUFACTURERS SPECIFICATIONS)
4. CARRY ALL COLUMN LOADS DOWN TO FOOTING OR FOUNDATION WALL.
5. PROVIDE SOLID BLOCKING OR SQUASH BLOCKS IN JOIST SPACE AT ALL COLUMN LOCATIONS
6. CONNECT ALL TRUSSES PER TRUSS MANUFACTURERS SPECIFICATIONS
7. SHEATH ROOF PRIOR TO CONSTRUCTING OVERBUILDS. ROOF SHEATHING SHALL EXTEND BENEATH ALL OVERBUILDS
8. PROVIDE (MIN) (3) 2X4 BUILT UP COLUMN TO SUPPORT ALL GIRDER TRUSS LOADS UNLESS NOTED OTHERWISE
9. USE MIN. 2x6 OVERBUILD RAFTERS @ 24" O.C. - DO NOT SPAN RAFTERS MORE THAN 6'-0" AT OVERBUILDS.
10. ALL EXTERIOR HEADERS SHALL BE (2) 2X10 U.N.O.
11. ALL NOTES PERTAINING TO APPLIED LOADS ARE BASED ON ALLOWABLE STRESS DESIGN (ASD).

SHEARWALL NOTES

1. ALL EXTERIOR WALLS SHALL BE SHEATHED AND NAILED WITH 7/16" APA RATED OSB SHEATHING OR PER THE SHEARWALL SCHEDULE.
2. SHEATHING SHALL EXTEND CONTINUOUS FROM SILL PLATE TO TOP PLATE OF UPPER WALL AND BE NAILED PER SHEARWALL SCHEDULE.
3. NAILS SHALL BE PLACED NOT LESS THAN 1/2" FROM EDGE OF PANEL AND DRIVEN SO THAT THEIR HEAD OR CROWN IS FLUSH WITH THE SURFACE OF THE SHEATHING.
4. ALL EXTERIOR WALLS ARE TO BE NAILED AS SW-1 UNLESS NOTED OTHERWISE.
5. AT LEAST (2) OF THE GARAGE RETURNS MUST BE SHEARWALLS. MINIMUM GARAGE RETURN SHEAR WALL LENGTH IS 2'-0".
6. ALL ANCHORS ARE SIMPSON STRONG-TIE OR EQUIVALENT.
7. INSTALL HOLDDOWNS AND STRAPS PER MANUFACTURER'S SPECIFICATIONS.
8. ALL HOLDDOWNS AND STRAPS MUST BE CONNECTED TO AT LEAST (2) FULL-LENGTH STUDS.

ROOF BEAM SCHEDULE

RB-1	(2) 2x10
RB-2	(2) 9 1/2" MICROLAM
RB-3	(2) 11 7/8" MICROLAM

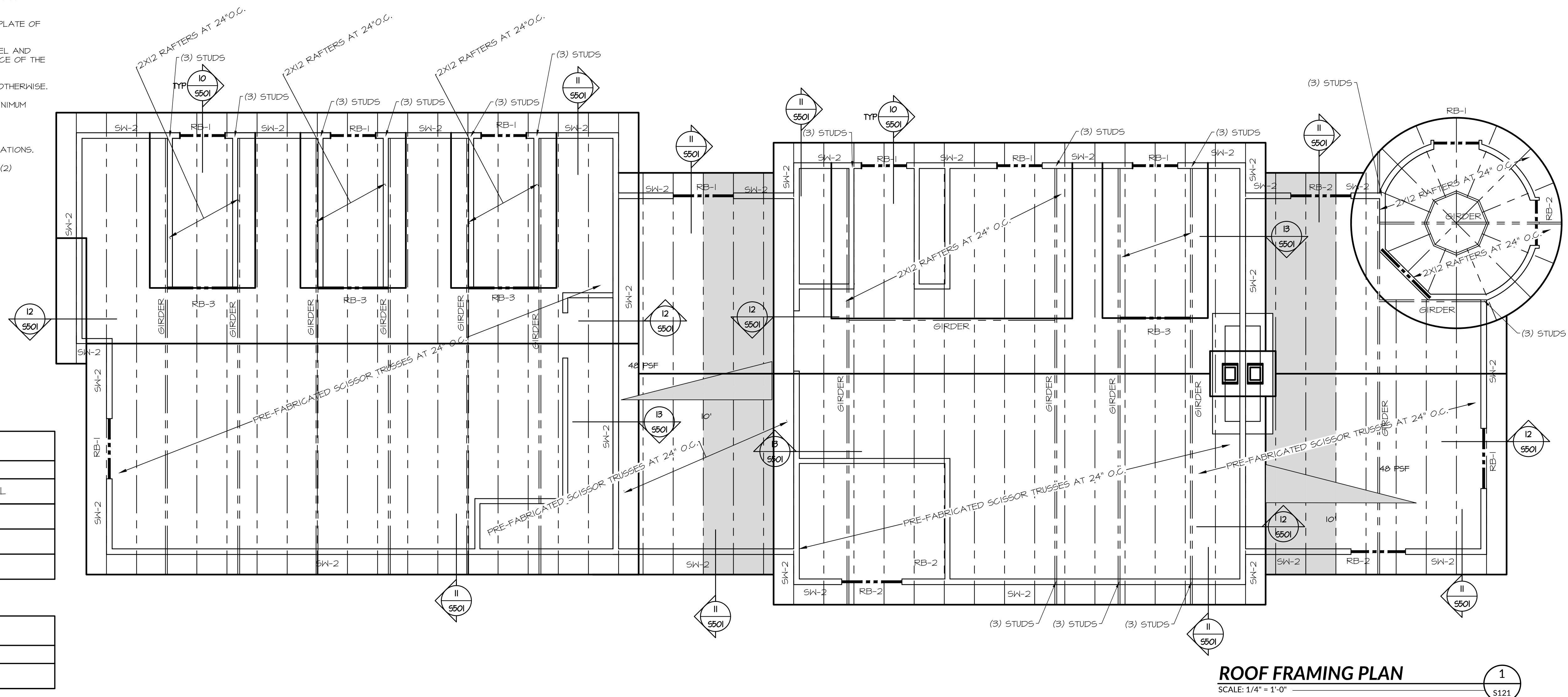
NOTE: SEE DETAIL 8/5501 FOR TYPICAL BEAM CONNECTIONS.

WALL TYPE LEGEND

WALL TYPE	DESCRIPTION
	INDICATES CONCRETE FOUNDATION WALL
	INDICATES STUD BEARING WALL
	INDICATES NON LOAD BEARING WALL

SYMBOL LEGEND

	SNOW DRIFT INTENSITY AND LENGTH
--	---------------------------------



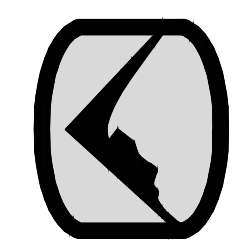
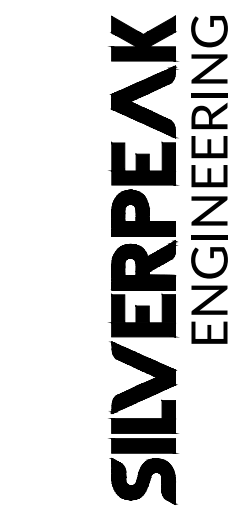
ROOF FRAMING PLAN

SCALE: 1/4" = 1'-0"

1
S121



177 E ANTELOPE DR. STE. B
LAYTON, UT 84041
PHONE: (801) 499-5054
FAX: (801) 499-5065



MIKE RYPIEN RESIDENCE
627 OGDEN CANYON
OGDEN, UTAH

DATE: 11/16/2018
PROJECT: 18-022
DRAWN BY: WM

REVISIONS:



ROOF FRAMING

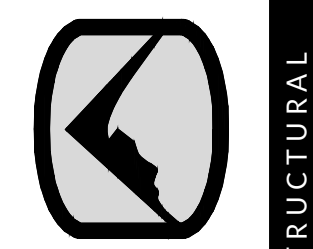
SHEET NUMBER:

S121



177 E ANTELOPE DR. STE. B
LAYTON, UT 84041
PHONE: (801) 499-5054
FAX: (801) 499-5065

SILVERPEAK
ENGINEERING



MIKE RYPIEN RESIDENCE
627 OGDEN CANYON
OGDEN, UTAH

DATE: 11/16/2018
PROJECT: 18-022
DRAWN BY: WM

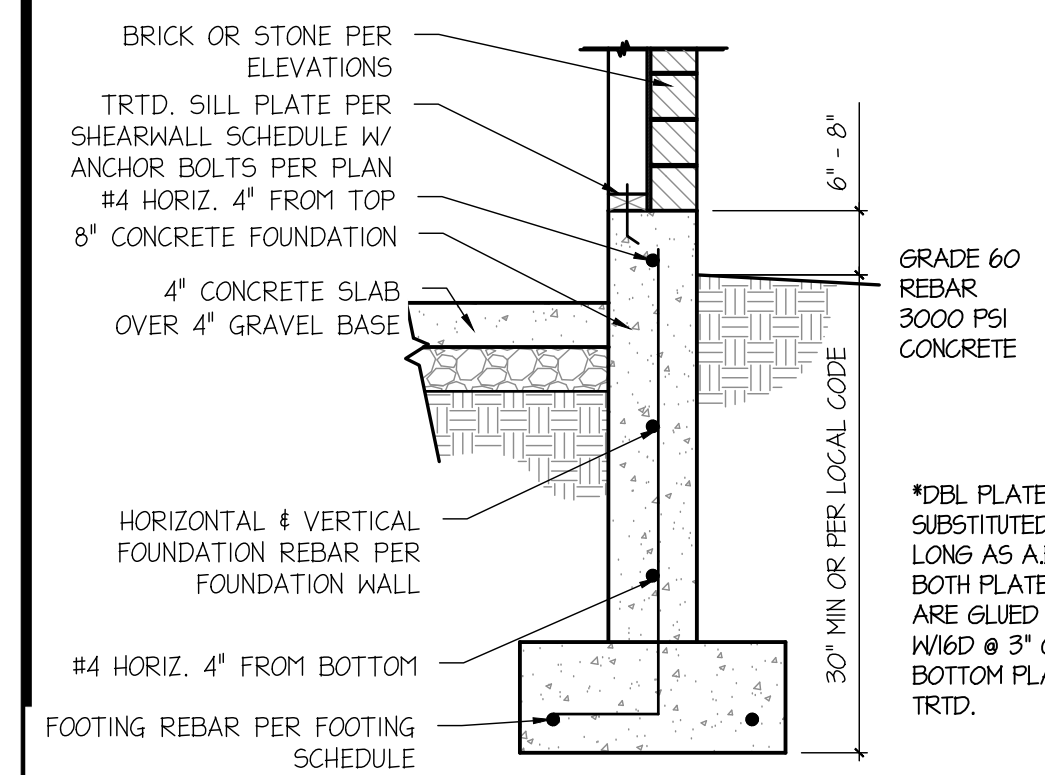
REVISIONS:



STRUCTURAL
DETAILS

SHEET NUMBER:

S501

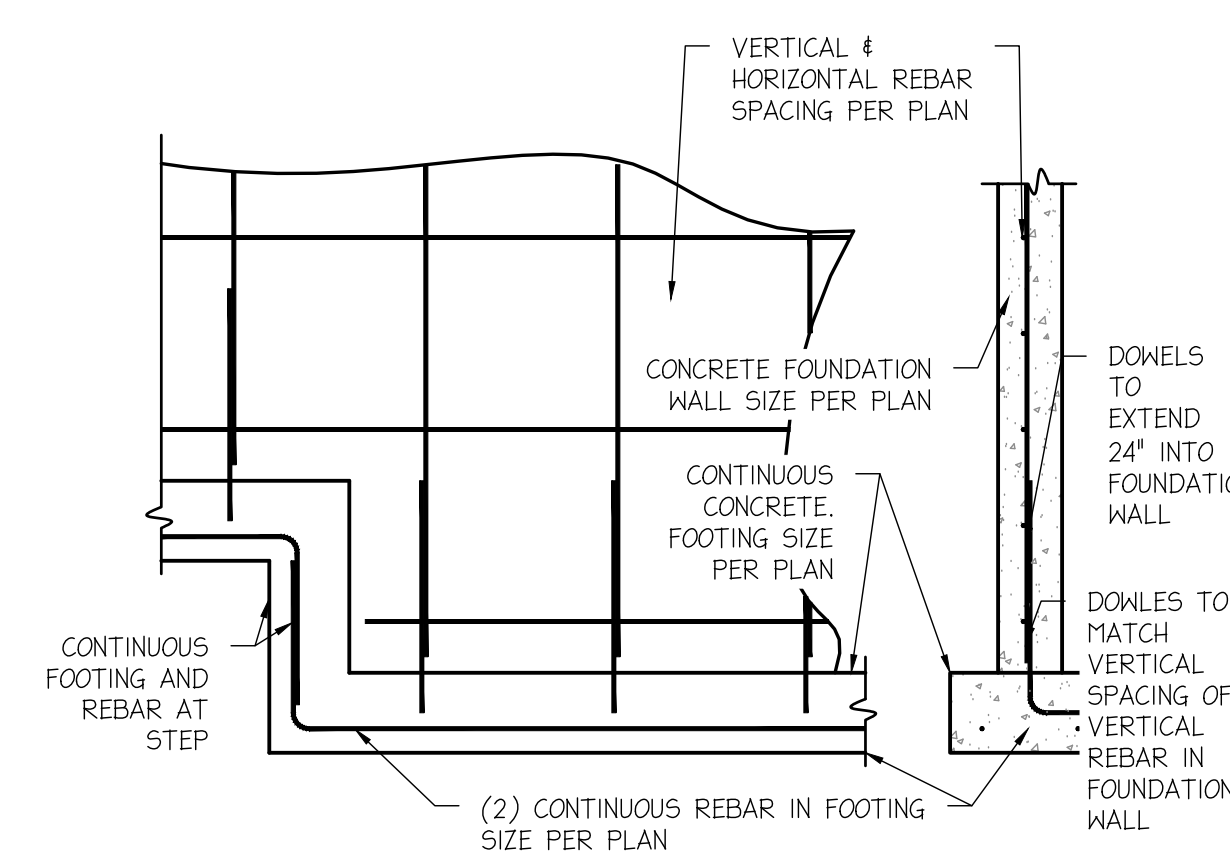


GARAGE FOUNDATION DETAIL

NOT TO SCALE

1

S501

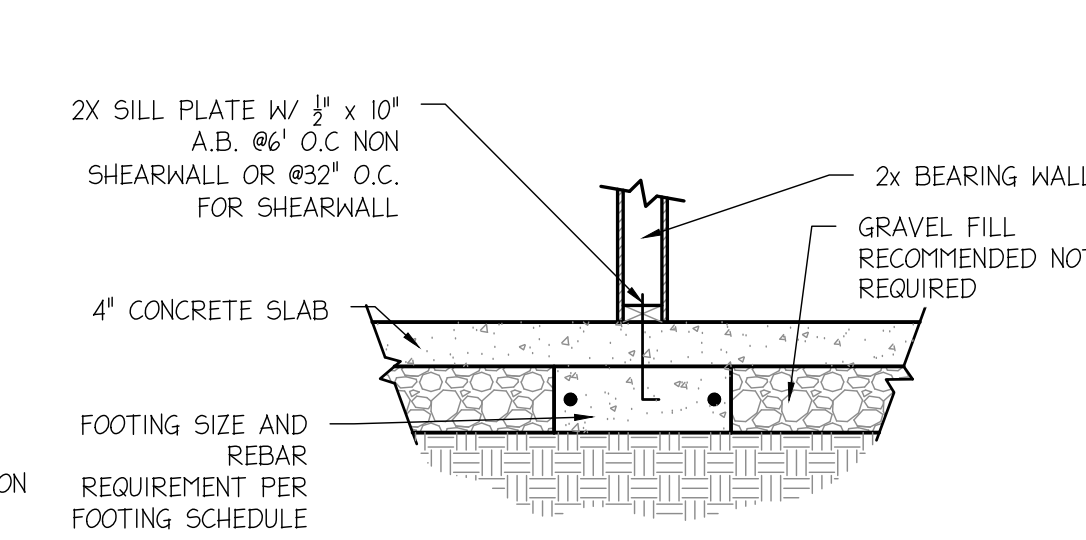


FOOTING STEP DETAIL

NOT TO SCALE

2

S501

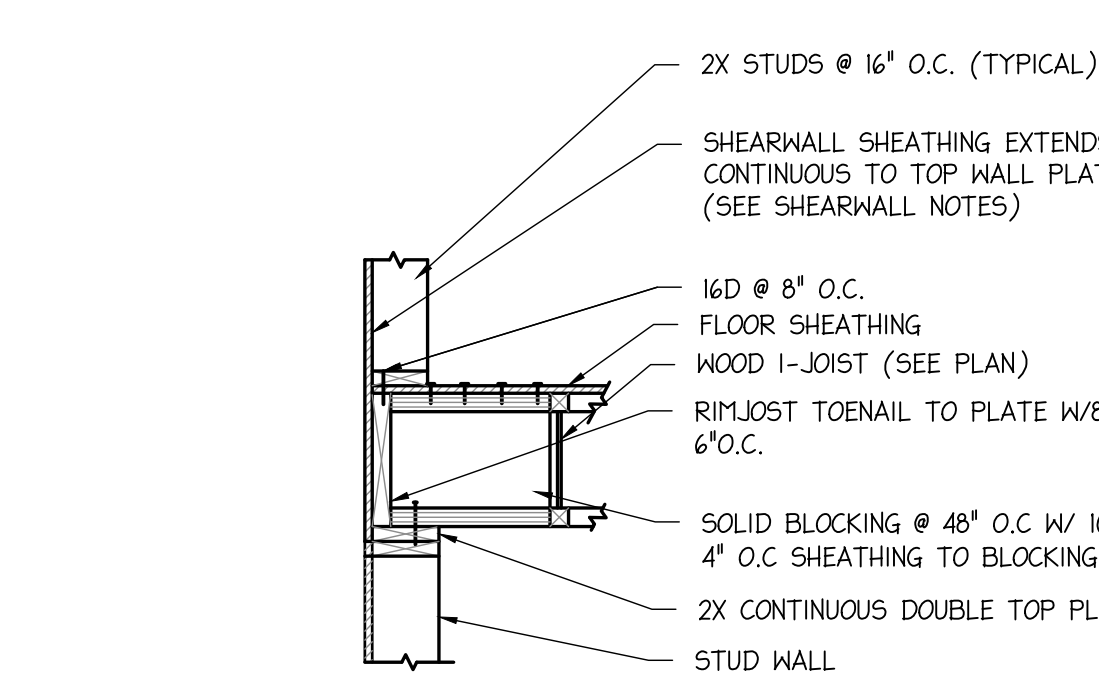


INTERIOR FOOTING DETAIL

NOT TO SCALE

3

S501

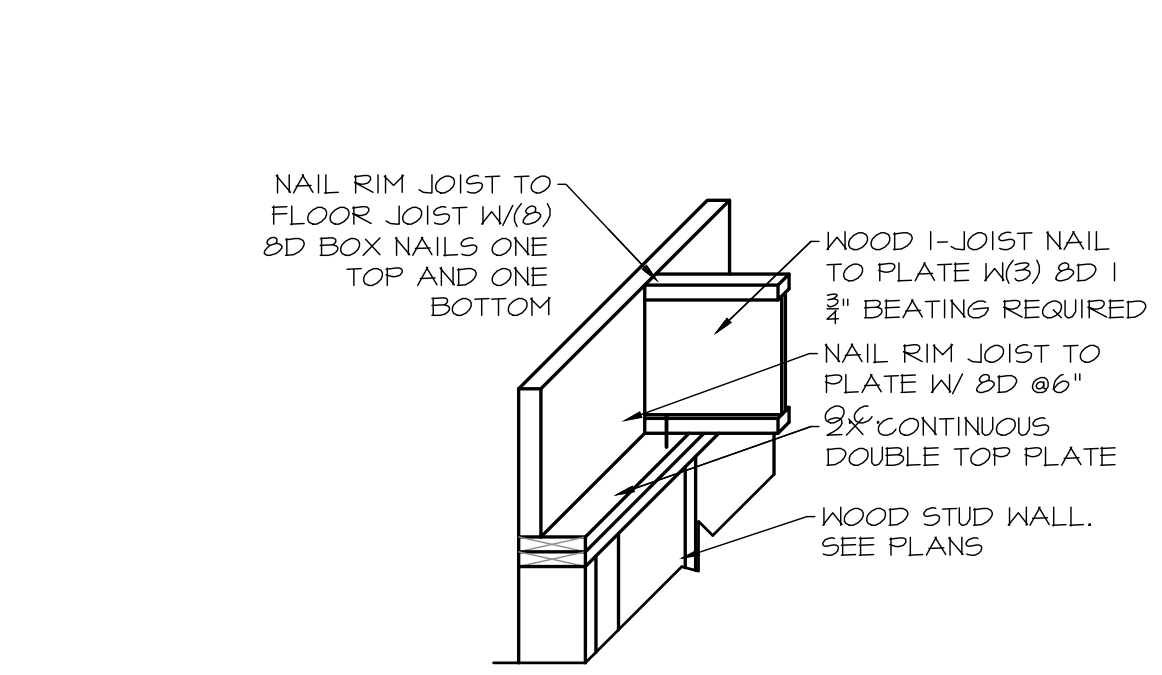


WOOD I-JOIST DETAIL

NOT TO SCALE

4

S501

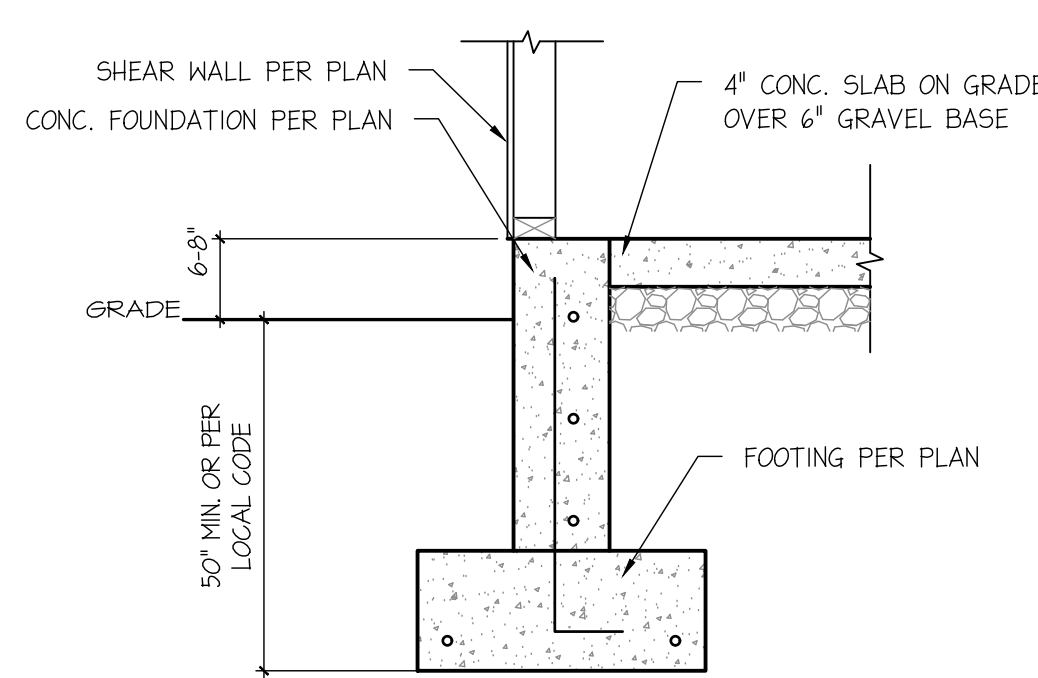


WOOD I-JOIST DETAIL

NOT TO SCALE

X

SXXX

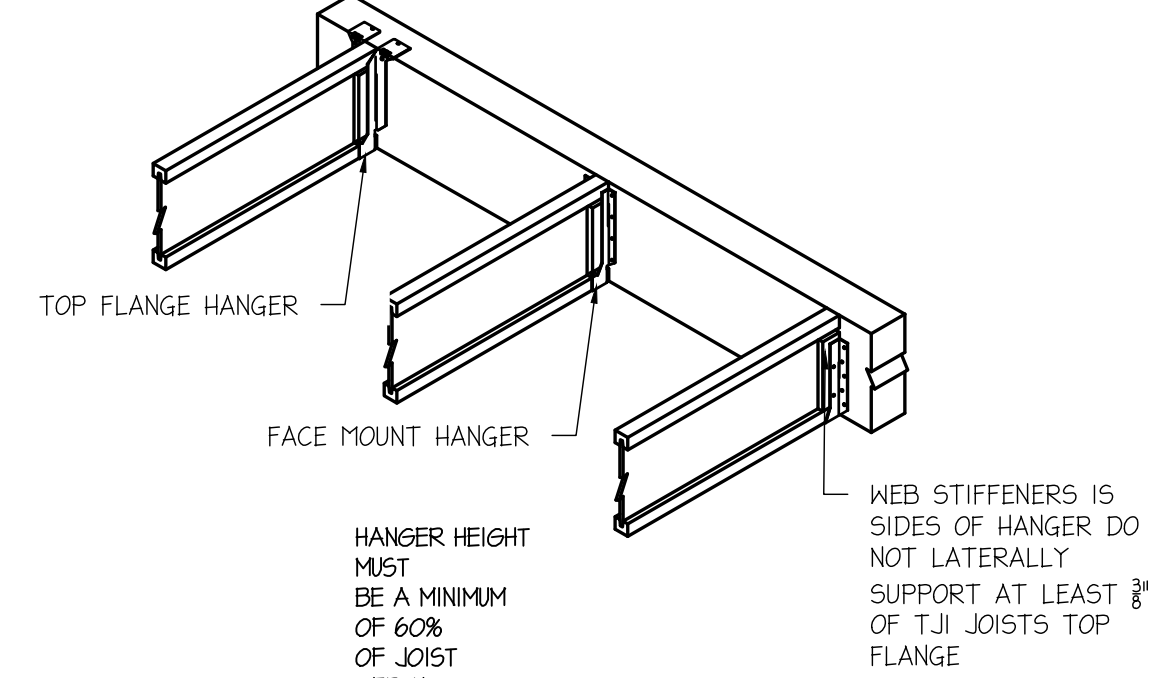


FOUNDATION WALL DETAIL

NOT TO SCALE

6

S501

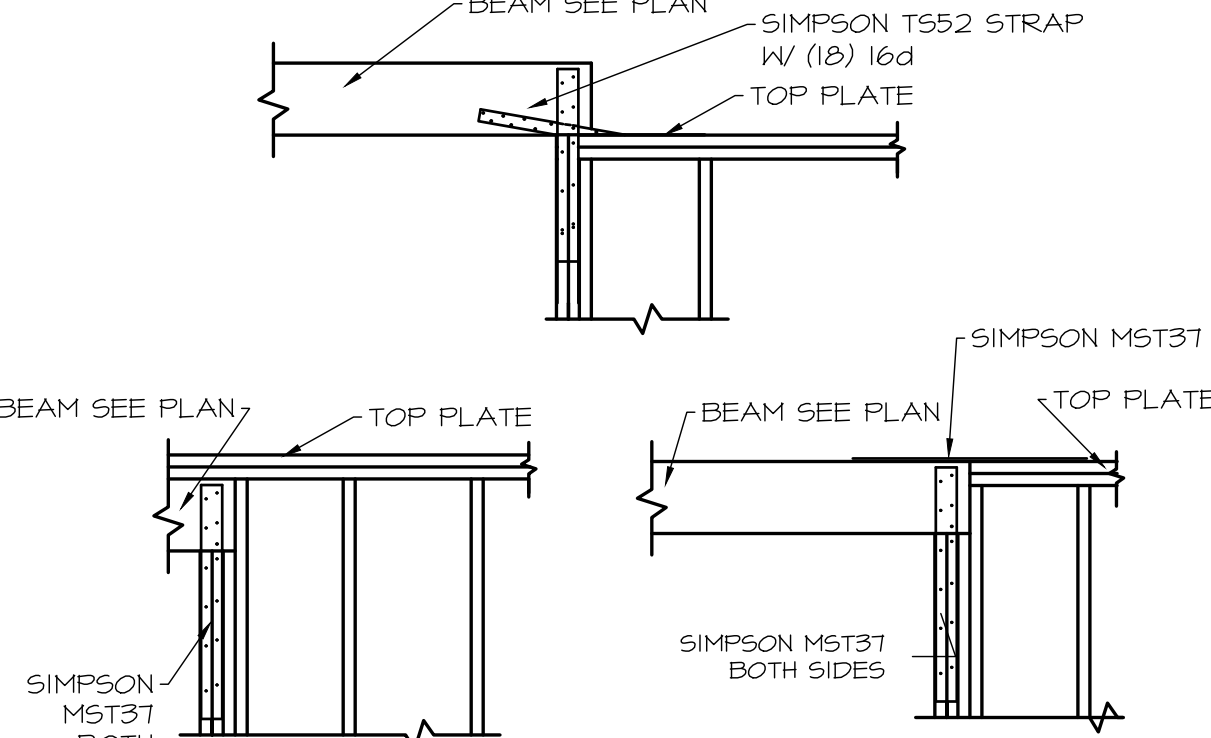


FLUSH BEAM CONNECTION DETAIL

NOT TO SCALE

7

S501

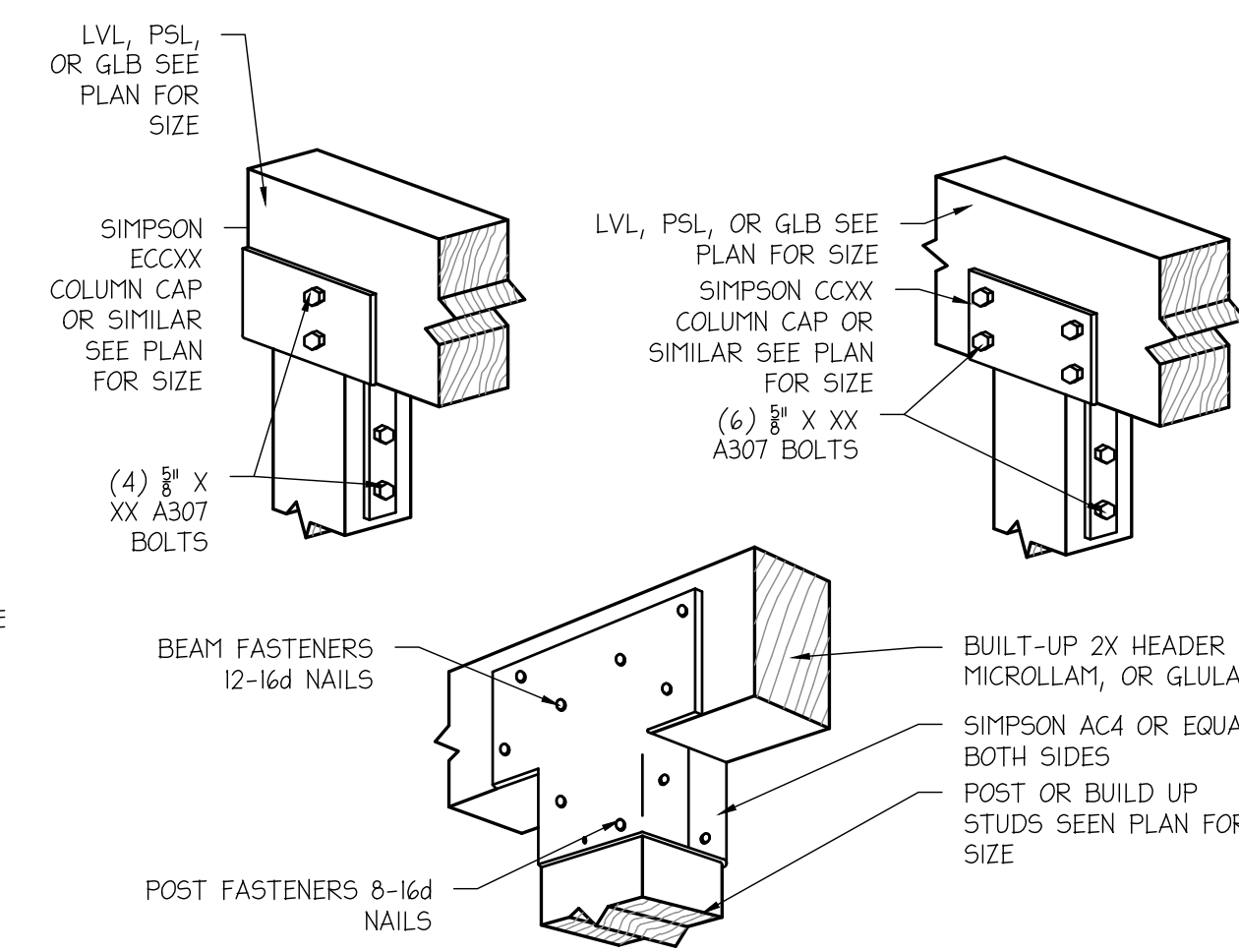


BEAM CONNECTIONS

NOT TO SCALE

8

S501

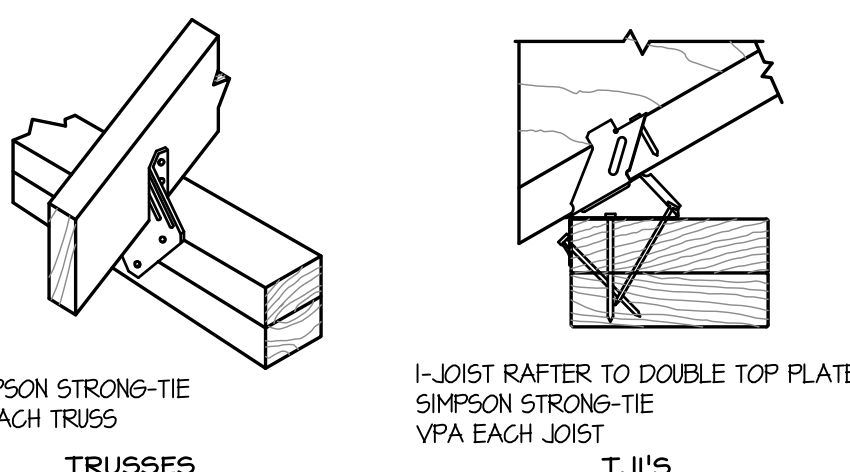


TYPICAL BEAM CONNECTIONS DETAIL

NOT TO SCALE

9

S501

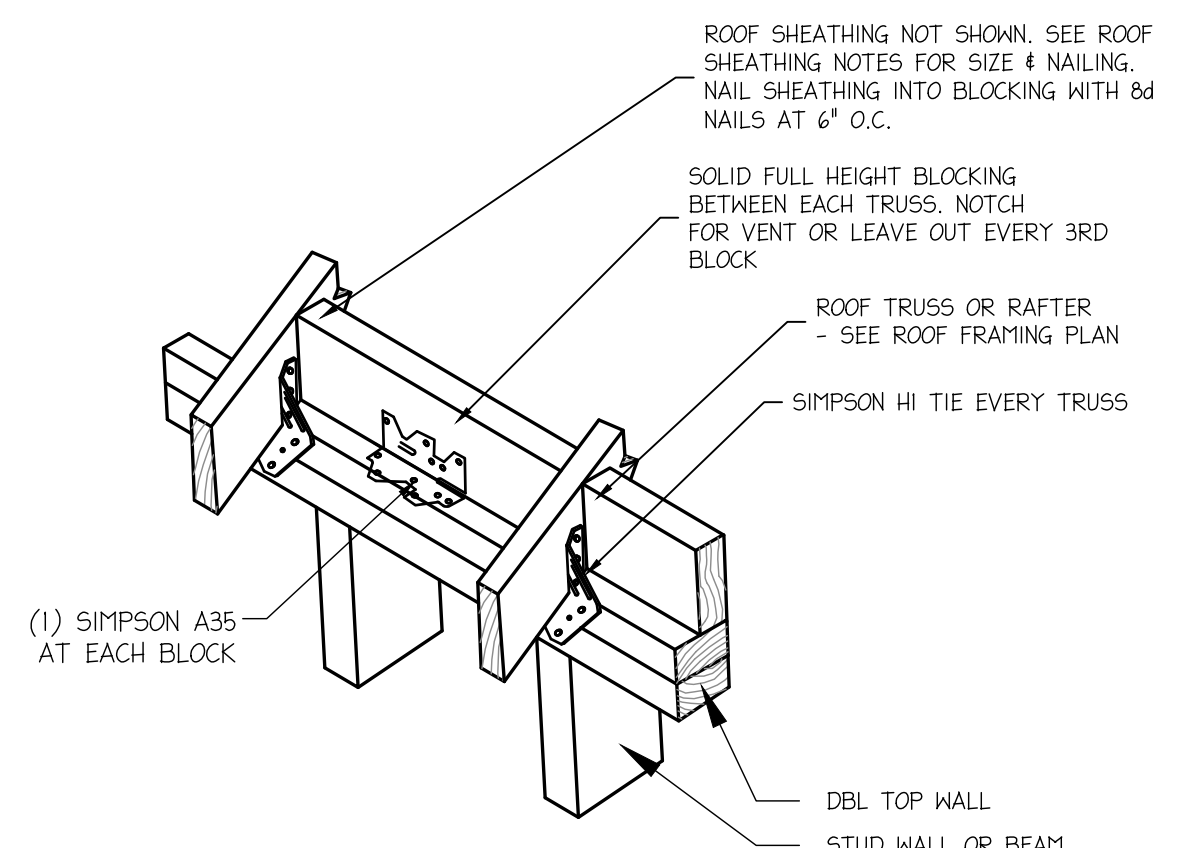


ROOF JOIST CONNECTIONS

NOT TO SCALE

10

S501

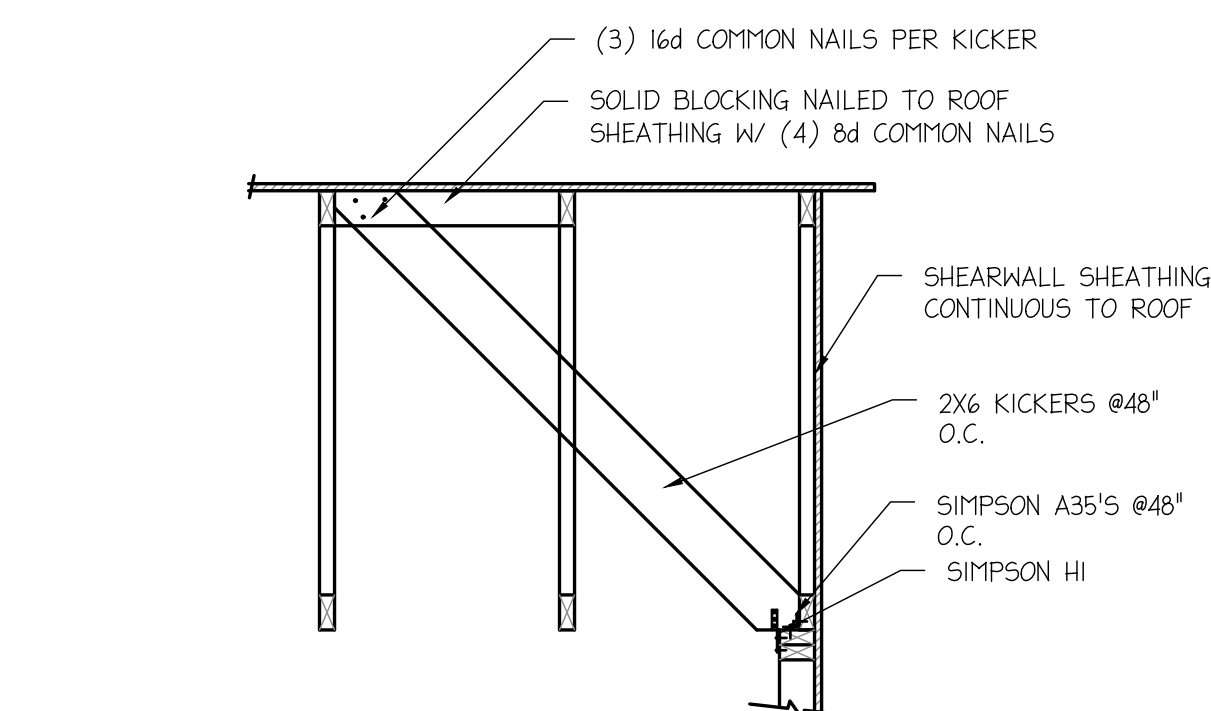


ROOF FRAMING CONNECTION DETAIL

NOT TO SCALE

11

S501

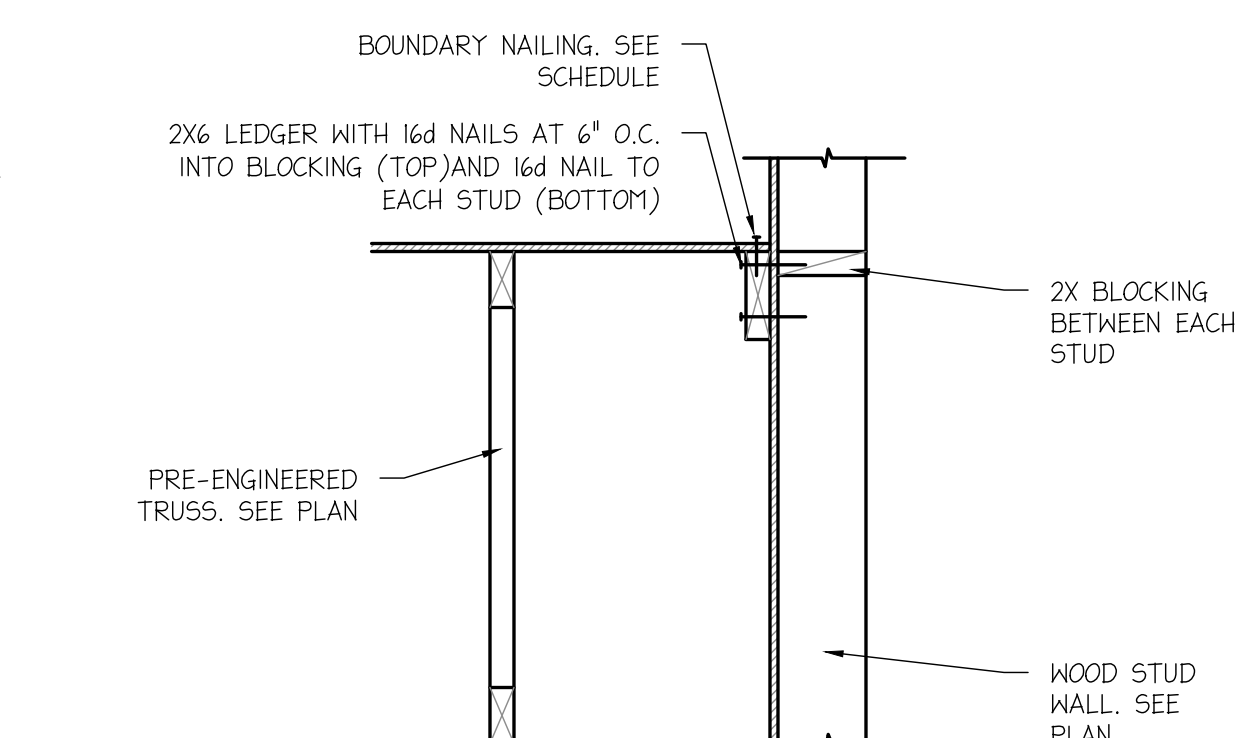


GABLE END DETAIL

NOT TO SCALE

12

S501

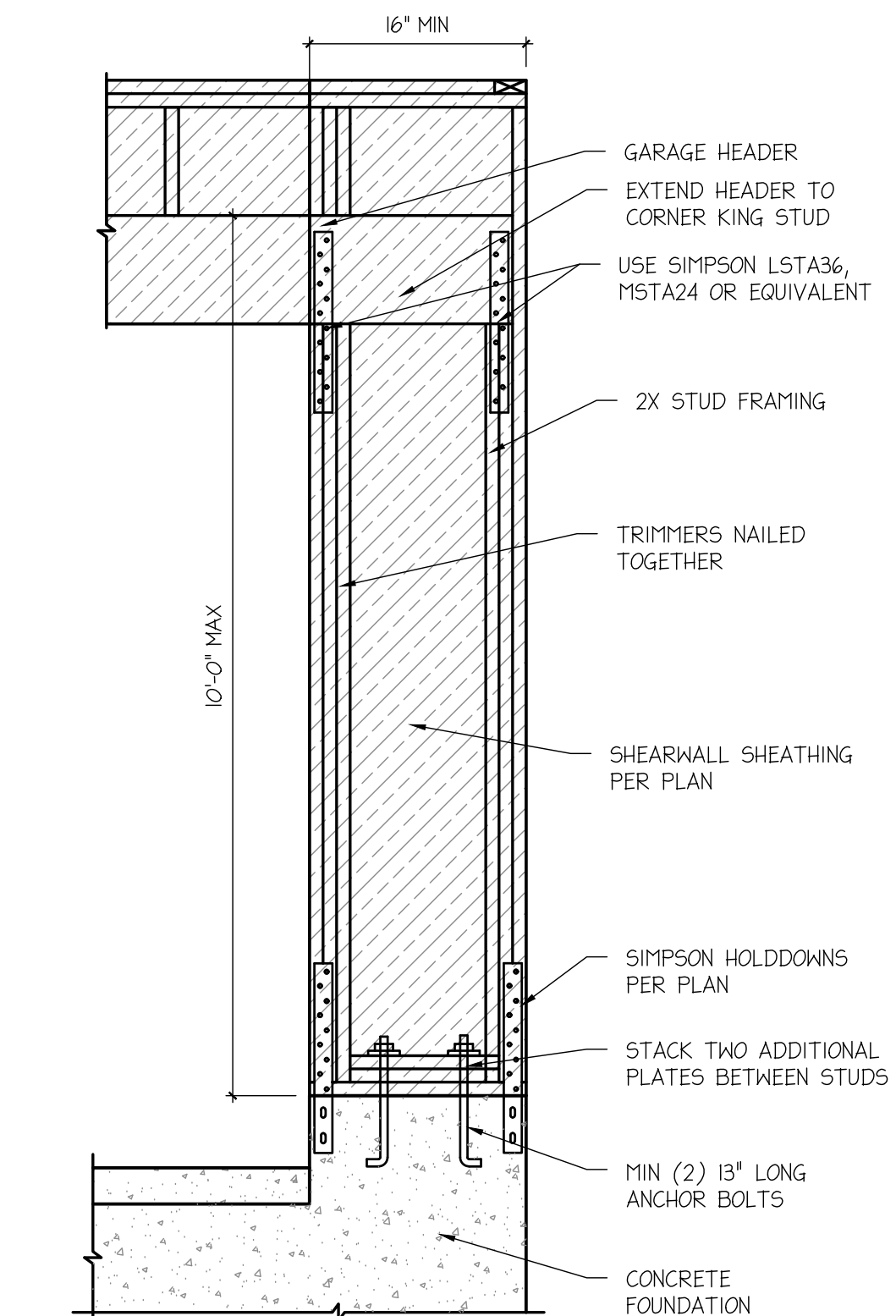


SHEAR TRANSFER DETAIL

NOT TO SCALE

13

S501



GARAGE RETURN DETAIL

NOT TO SCALE

X

SXXX