

GENERAL FOUNDATION NOTES

DESIGN SPECIFICATIONS

VERY IMPORTANT NOTES FOR RENOVATIONS, ADDITIONS
AND ALL EXISTING STRUCTURES

INFORMATION SHOWN ON THESE DRAWINGS REGARDING EXISTING
CONDITIONS HAVE BEEN OBTAINED FROM AVAILABLE
SOURCES AT THE TIME OF DESIGN INCLUDING ASSUMPTIONS
BASED ON EXPERIENCE WITH SIMILAR STRUCTURES. THE
ACTUAL AS-BUILT CONDITION FOUND IN THE FIELD MAY VARY
FROM INFORMATION INDICATED IN THESE DRAWINGS.
CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND
NOTIFY ENGINEER IN WRITING BEFORE BEGINNING NEW
CONSTRUCTION OF ANY INTERFERENCES AND/OR DISCREPANCIES
THAT MIGHT EXIST BETWEEN THESE DRAWINGS AND/OR ACTUAL
FIELD CONDITIONS. CONTRACTOR SHALL REPAIR/REPLACE ANY
DAMAGED EXISTING STRUCTURAL MEMBERS DISCOVERED DURING
CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL
TEMPORARY BRACING/SHORING, TEMPORARY SUPPORTS AND
OTHER SUCH ITEMS OR OTHER MEASURES NECESSARY
TO PROTECT THE STRUCTURE AND PERSONNEL DURING
CONSTRUCTION. SAFETY OF THE STRUCTURE AND PERSONNEL
DURING CONSTRUCTION ARE THE SOLE RESPONSIBILITY OF THE
CONTRACTOR.

<p>FIELD ALTERATION AND PLAN SCALING NOTE</p> <p>PRIOR TO MAKING ANY STRUCTURAL FIELD MODIFICATIONS WHICH MAY VARY FROM THE INTENT OF THE ORIGINAL CONSTRUCTION DOCUMENTS, CONTRACTOR SHALL CONTACT FORTESS ENGINEERING GROUP, ANY FIELD MODIFICATION REQUESTS MUST BE APPROVED BY FEG ARE SUBJECT TO ADDITIONAL INSPECTIONS AND FEES.</p> <p>DO NOT SCALE DIMENSIONS FROM THESE DRAWINGS. ALL DIMENSIONS SHALL BE APPROVED BY THE PROJECT CONTRACTOR OR ARCHITECT</p>

FEG JOB #
FEG21-148

REVISIONS	
1	COORD. 2/3/22

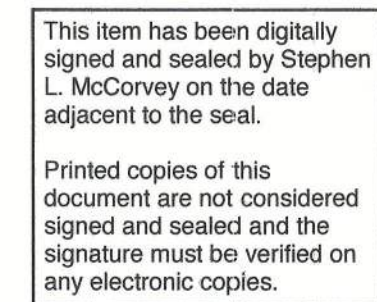
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STEPHEN MCCORVEY
FL PE # 88723

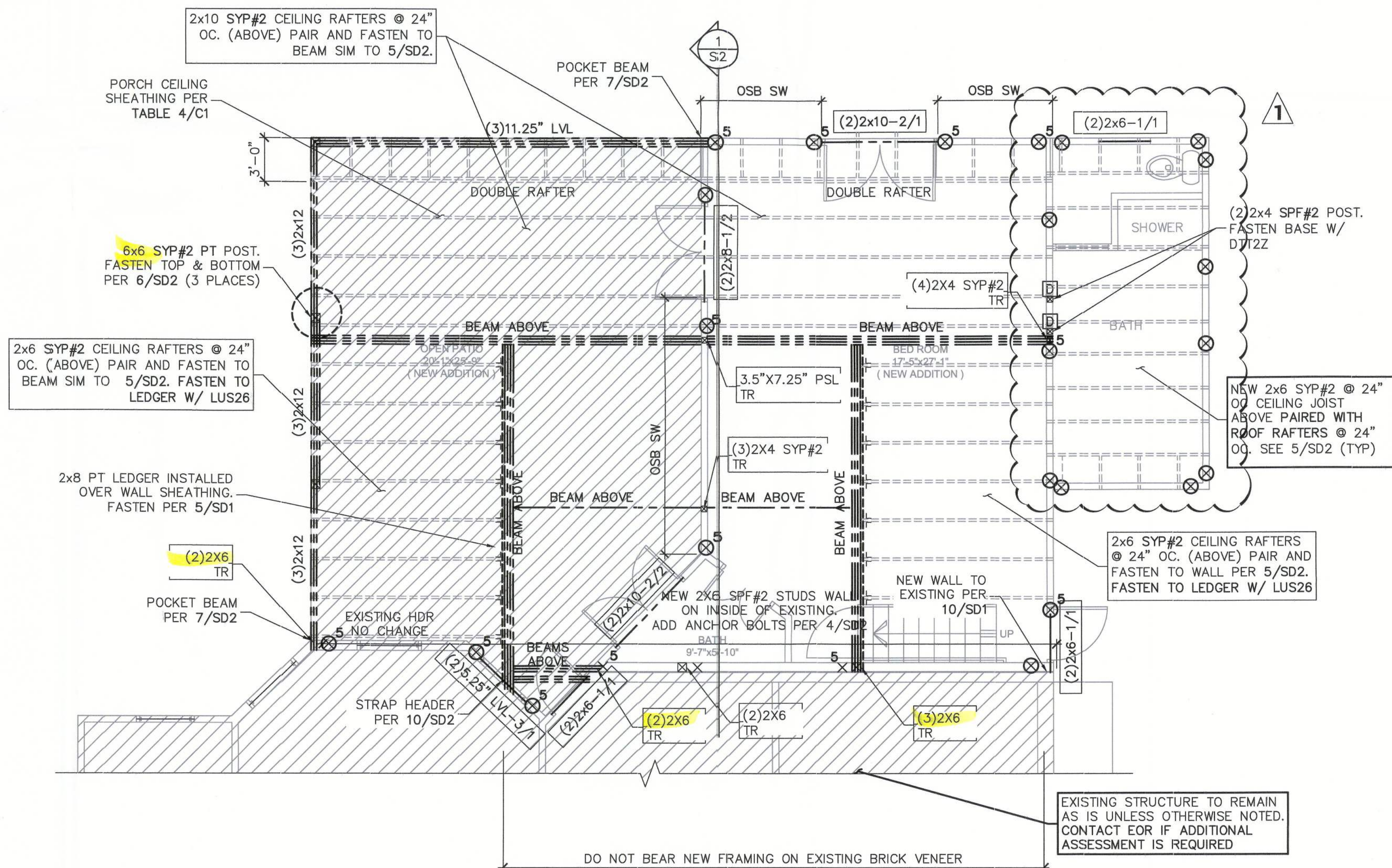
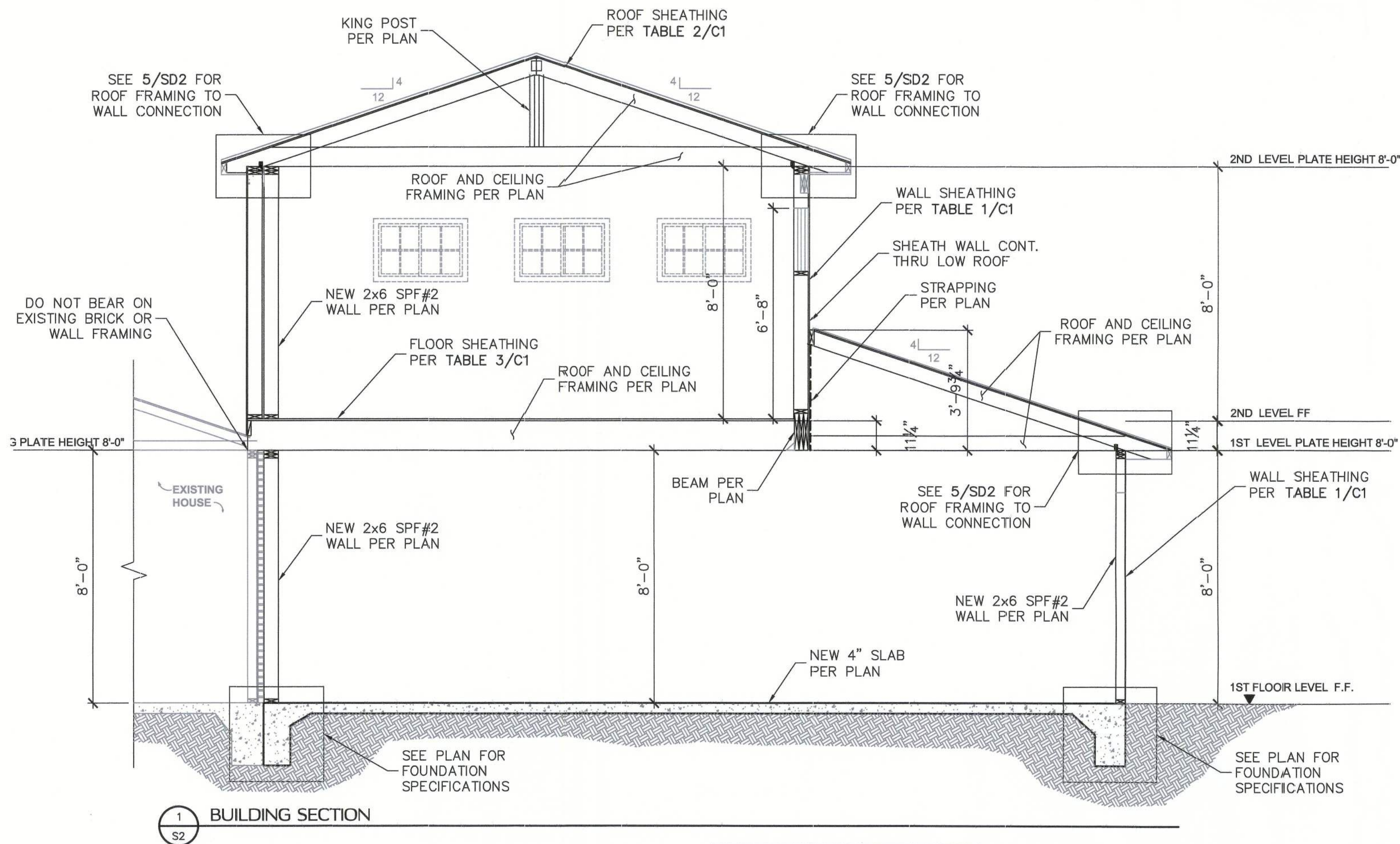


PRINT DATE
07-22-21

SHEET
S 1
FOUNDATION PLAN



Digitally signed by Stephen L. McCorvey
DN:
c=us, o=Stephens & Stephens, ou=Stephens & Stephens, cn=Stephen L. McCorvey
Stephens & Stephens
Date: 2022.02.04 17:54:27 -0500



WALL FRAMING LEGEND	
	INTERIOR LOAD BEARING WALL
	BEAM OR TRUSS
	SIMPSON BASE ANCHOR: LTT20B, DTT2Z, HTT5 (RESPECTIVELY). FASTEN PER 7/SD1
	5/8" Ø, 5/8" Ø (RESPECTIVELY) A307 THREADED ROD FULL HEIGHT ANCHOR PER 1/SD3. CONTINUOUS FROM 1ST LEVEL TOP PLATE TO FOUNDATION.
	NUM. OF HEADER PLIES, HEADER SIZE AND NUM. OF JACK/KING STUDS REQUIRED EACH END OF HEADER. FOR SILL HEADER AND FASTENING SCHEDULES SEE DETAIL 3/SD2
	SHEAR WALL W/ 7/16" OSB SHEATHING. DASHED LINE INDICATES SIDE OF WALL TO APPLY OSB. FASTEN OSB W/ 8d COMMONS @ 3" OC EDGE, 6" OC FIELD. FRAMING, ANCHOR BOLT AND TOP OF WALL FASTENING PER 8/SD2

	NUM. OF STUDS IN STUD COLUMN
	* STRAP OR ANCHOR AT BASE OF STUD COLUMN
	* WHEN "TR" IS INDICATED, ADJACENT FULL HEIGHT ROD IS USED FOR UPLIFT TIE DOWN, SEE PLAN FOR SIZE

WALL STUD SCHEDULE		
LOCATION	PLATE HEIGHT	STUD SIZE AND SPACING
EXTERIOR	9'-1" MAX	2x4 OR 2x6 @ 16" OC
EXTERIOR	10'-1" MAX	2x4 @ 12" OC OR 2x6 @ 16" OC
EXTERIOR	14'-1" MAX	2x6 @ 16" OC
INTERIOR	10'-1" MAX	2x4 OR 2x6 @ 16" OC
INTERIOR	12'-1" MAX	2x4 @ 12" OC OR 2x6 @ 16" OC

WALL STUD NOTES:

1. WALL STUDS SPECIFIED ON PLAN SUPERCEDE THIS TABLE.
2. MIN STUD SIZE AND SPACING IS SHOWN. CONTRACTOR MAY INCREASE STUD SIZE TO MEET ARCHITECTURAL REQMTS.
3. ALL STUDS AND POST SHALL BE SYP#2, UON.
4. USE SYP#2 FOR TOP PLATES.
5. USE SYP#2 PT FOR BOTTOM PLATES.
6. FASTEN BOTTOM PLATES OF INTERIOR LOAD BEARING WALLS TO SLAB PER 4/SD2.

- WALL FRAMING NOTES**
1. SEE DETAILS 1&2/SD2 FOR TYPICAL WALL FRAMING SECTION & ELEVATION.
 2. SEE TABLES 1-4/C1 FOR SHEATHING SPECIFICATIONS
 3. WHERE FRAMING MEMBERS CONSIST OF MULTIPLE PLIES (BEAMS, HEADERS, STUD COLUMNS, ETC.) FASTEN PLIES PER DETAIL 6/SD1.
 4. FOR ATTACHMENT OF EXTERIOR WALLS THAT TERMINATE BETWEEN TRUSSES, SEE DETAIL 9A/SD2 UNLESS OTHERWISE NOTED.
 5. UNLESS OTHERWISE NOTED ON PLAN, PROVIDE STUD COLUMNS BELOW ALL MULTI-PLY BEAMS AND GIRDERS THAT MATCH BEAM/GIRDER PLIES. PROVIDE SOLID BLOCKING WITHIN FLOOR SYSTEM AND EQUAL SIZED STUD COLUMN ON FIRST LEVEL IF STUD COLUMN IS LOCATED ABOVE.
 6. SEE TABLE 6/C1 FOR TYPICAL DIAMETERS AND LENGTHS OF COMMONLY USED NAILS IN THIS PLAN.
 7. SEE TABLE 7/C1 FOR SIMPSON CONNECTOR FASTENING SPECIFICATIONS. REFER TO MANUFACTURE FASTENING SPECIFICATIONS IF CONNECTOR IS NOT SHOWN.

VERY IMPORTANT NOTES FOR RENOVATIONS, ADDITIONS AND ALL EXISTING STRUCTURES

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FIELD ALTERATION AND PLAN SCALING NOTE

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BAHR RESIDENCE
576 SW BRODERICK DR.
LAKE CITY, 32025

FEG JOB #
FEG21-148

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COORD. 2/3/22

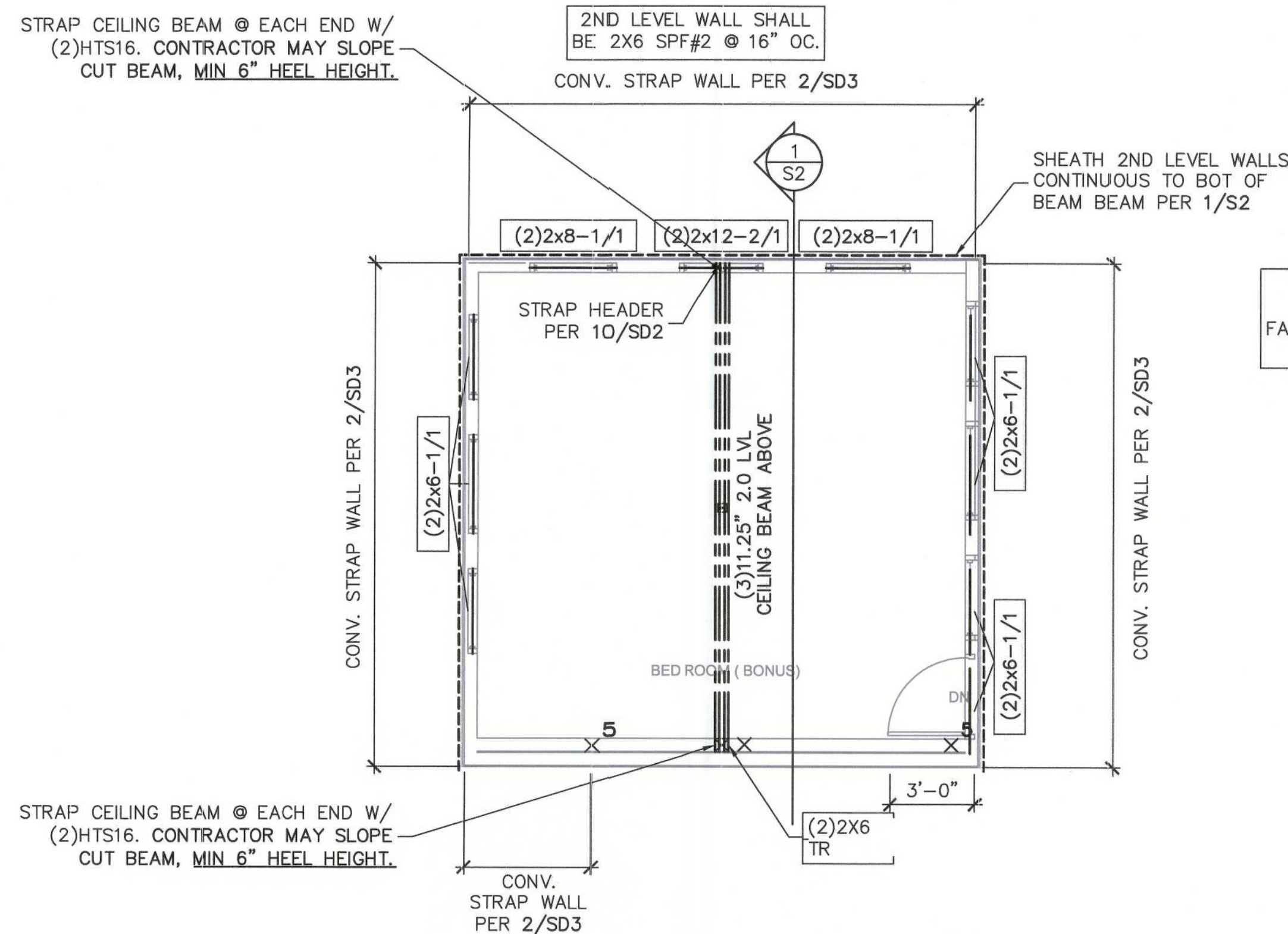
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STEPHEN MCCORVEY
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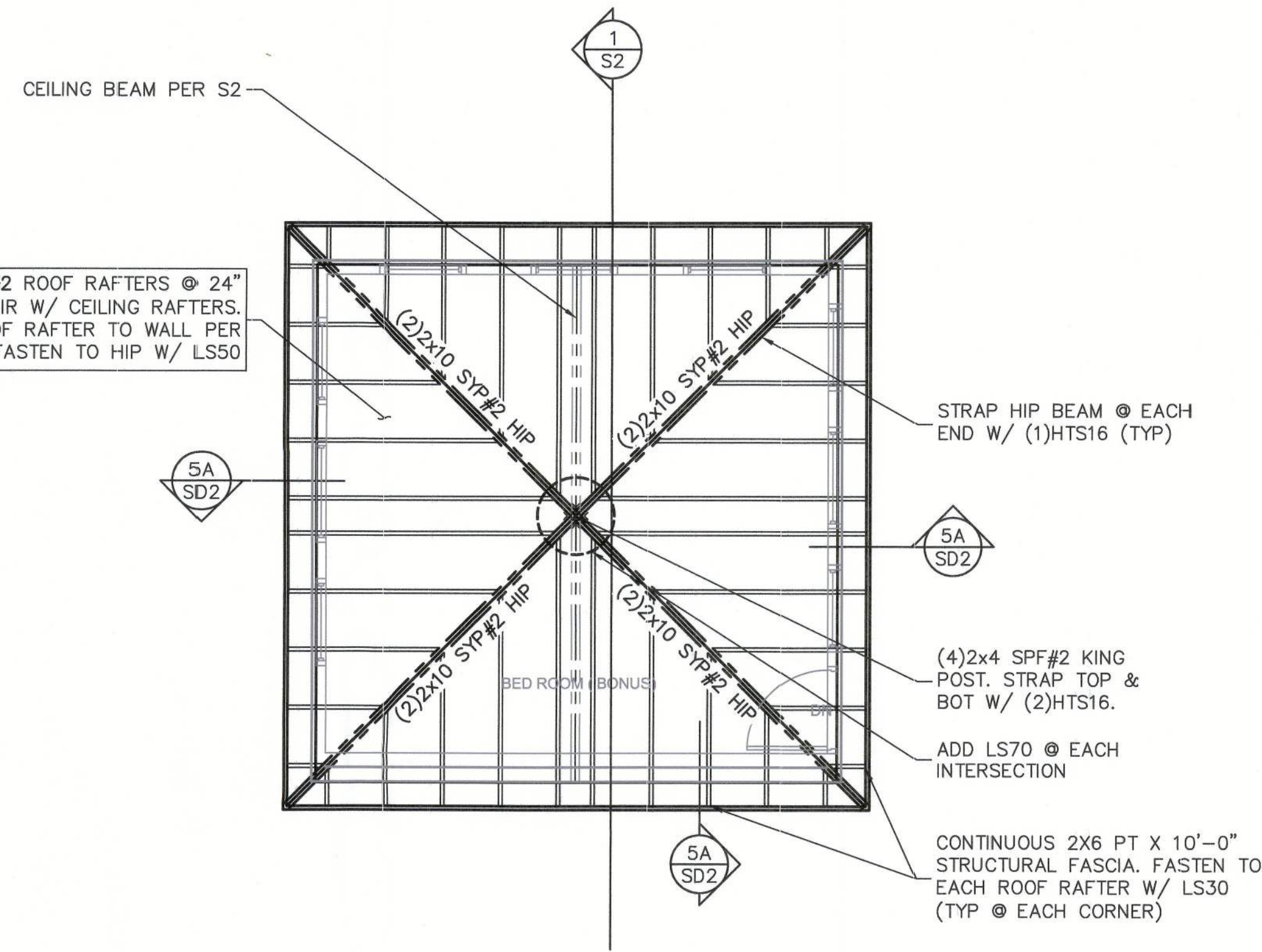
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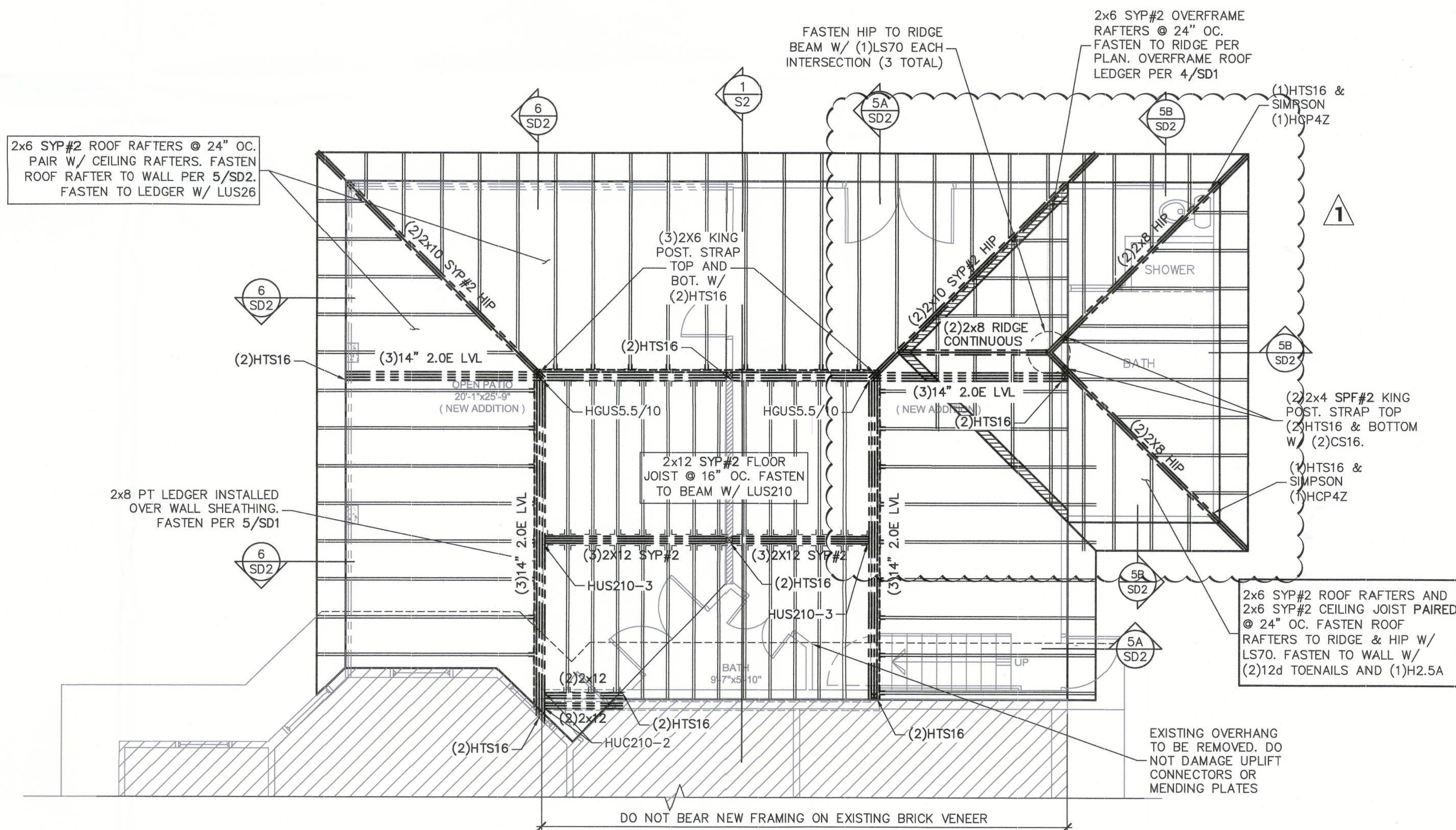
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S2
WALL & CEILING FRAMING PLANS



**2ND LEVEL
WALL AND CEILING FRAMING PLAN**
SCALE : $\frac{1}{4}"=1'-0"$



**2ND LEVEL
ROOF FRAMING PLAN**
SCALE : $\frac{1}{4}"=1'-0"$



**1ST LEVEL ROOF AND 2ND LEVEL
FLOOR FRAMING PLAN**
SCALE : $\frac{1}{4}"=1'-0"$

ROOF FRAMING LEGEND	
HTS16	HIGH UPLIFT CONNECTOR. SEE NOTES 3&5 BELOW

ROOF FRAMING NOTES:

- UNLESS OTHERWISE NOTED ON PLAN, EA TRUSS OR RAFTER MUST BE FASTENED W/ MIN. (2)12d TOENAILS & (1)SIMPSON H2.5A USING (10)0.131"x1 $\frac{1}{2}$ " NAILS.
- SEE TABLE 2/C1 FOR TYPICAL ROOF SHEATHING SPECIFICATIONS.
- WHEN USING (2)SIMPSON CLIPS ON 1 $\frac{1}{2}$ " WIDE LUMBER, PLACE CLIPS DIAGONALLY ACROSS DOUBLE TOP PLATE FROM EA. OTHER TO AVOID SPLITTING WOOD.
- SEE TABLE 6/C1 FOR TYPICAL DIAMETERS AND LENGTHS OF COMMONLY USED NAILS IN THIS PLAN.
- SEE TABLE 7/C1 FOR SIMPSON CONNECTOR FASTENING SPECIFICATIONS. REFER TO MANUFACTURE FASTENING SPECIFICATIONS IF CONNECTOR IS NOT SHOWN.

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Fortress
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**FIELD ALTERATION AND PLAN
SCALING NOTE**

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CHECKED BY: SLM

STEPHEN MCCORVEY
FL PE # 88723

STEPHEN LEIGH MCCORVEY
LICENSE
No. 88723
STATE OF FLORIDA
PROFESSIONAL ENGINEER

PRINT DATE
07-22-21

SHEET
S3
**FLOOR & ROOF
FRAMING PLANS**

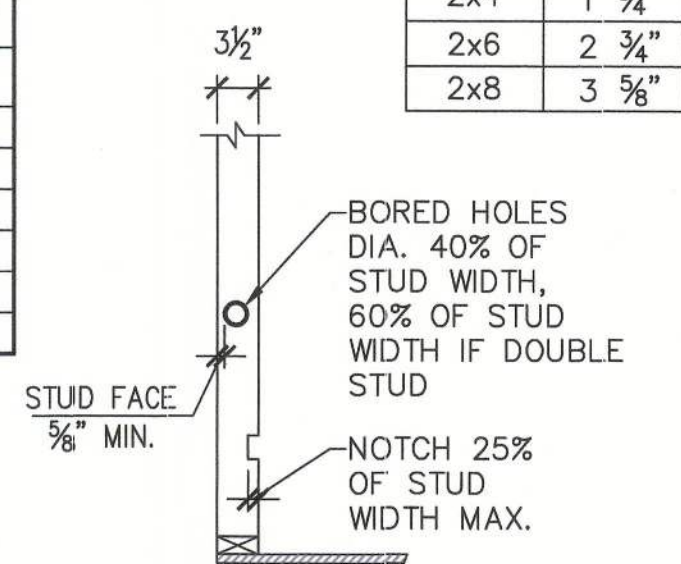
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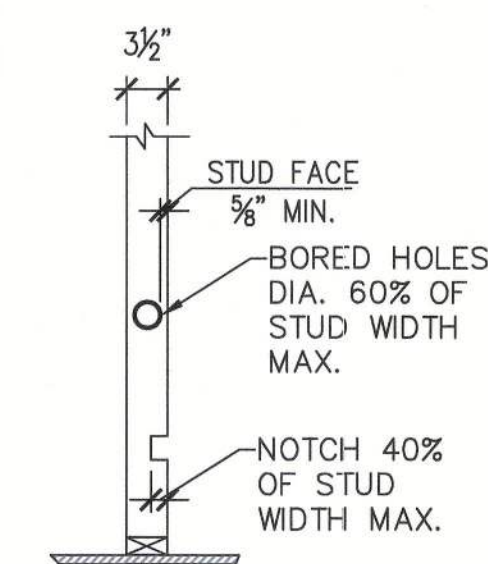
PENETRATIONS THROUGH STUDS

WALL L SIZE	STUDS LOAD BEARING OR EXTERIOR WALL BORED HOLE SIZE	NON LOAD BEARING WALL BORED HOLE SIZE	LOAD BEARING WALL NOTCH	NON-LOAD BEARING WALL NOTCH
2x4	40% 1 3/8"	60% 2 1/8"	25% 7/8"	40% 1 3/8"
(2)2x4	— 2 1/8"	— 2 1/8"	— 7/8"	— 1 3/8"
2x6	2 1/4"	3 5/8"	1 3/8"	2 1/4"
(2)2x6	— 3 5/8"	— 3 5/8"	— 1 3/8"	— 2 1/4"
2x8	2 7/8"	4 3/8"	1 1/2"	2 7/8"
(2)2x8	— 4 3/8"	— 4 3/8"	— 1 1/2"	— 2 7/8"

PLATES:
TOP AND BOTTOM PLATE HOLE, CUT OR NOTCH THAT IS 50% OR MORE OF WIDTH MUST BE REPAIRED USING 16 GA.(MIN.) METAL TIE THAT IS AT LEAST 1 1/2" WIDE (SECTION 2308 9.8 IBC) IF WALL IS A SHEARWALL IT MUST BE REPAIRED USING HARDY FRAME SADDLE (HFS)

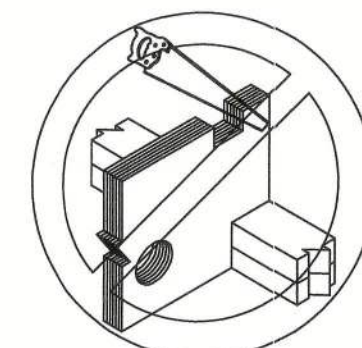


EXTERIOR OR BEARING WALL



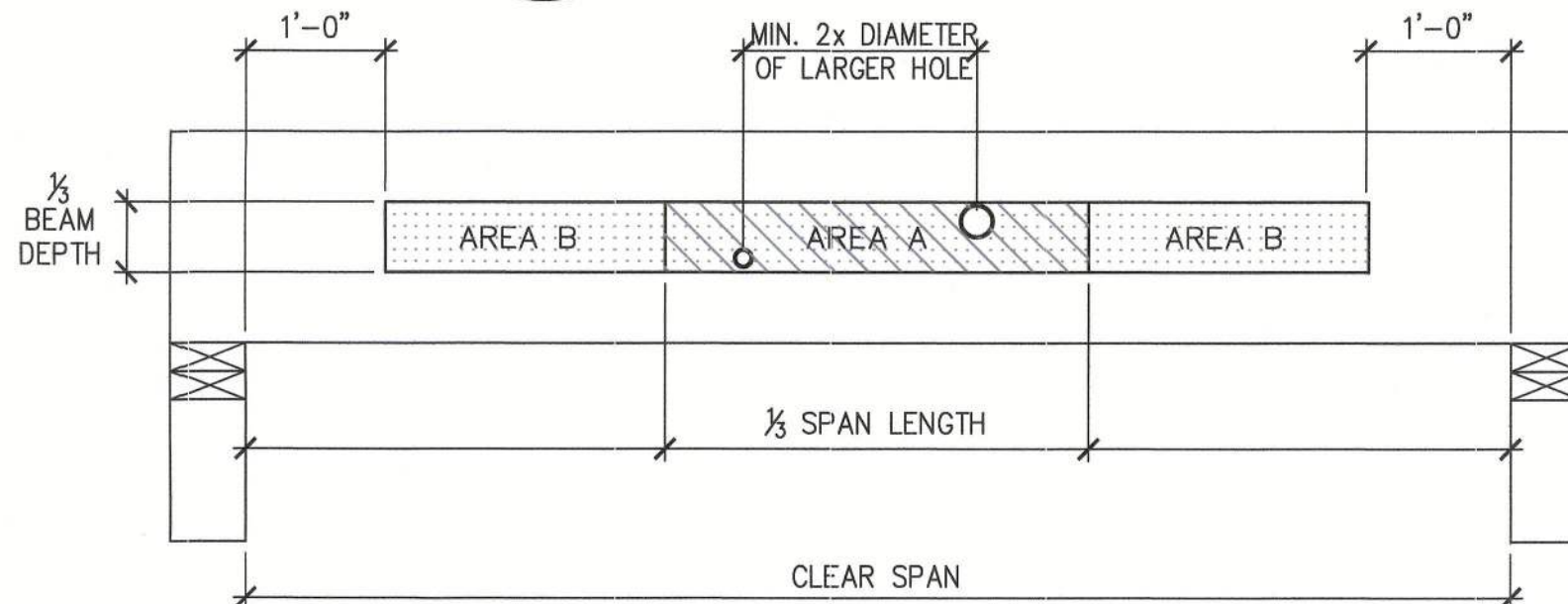
NON BEARING PARTITION

NOTE:
SEE SECTION 2308 9.10, 2308 9.11, AND FIGURE 2308 9.10 IBC



DO NOT: CUT, NOTCH, OR DRILL HOLES IN BEAMS/ HEADERS UNLESS REVIEWED BY DESIGN PROFESSIONAL

EXCEPTION:
SMALL HOLES MAY BE DRILLED IN ACCORDANCE WITH THE BEAM HOLE DETAILS.



ALLOWABLE HOLES IN PSL, LVL AND HEADERS

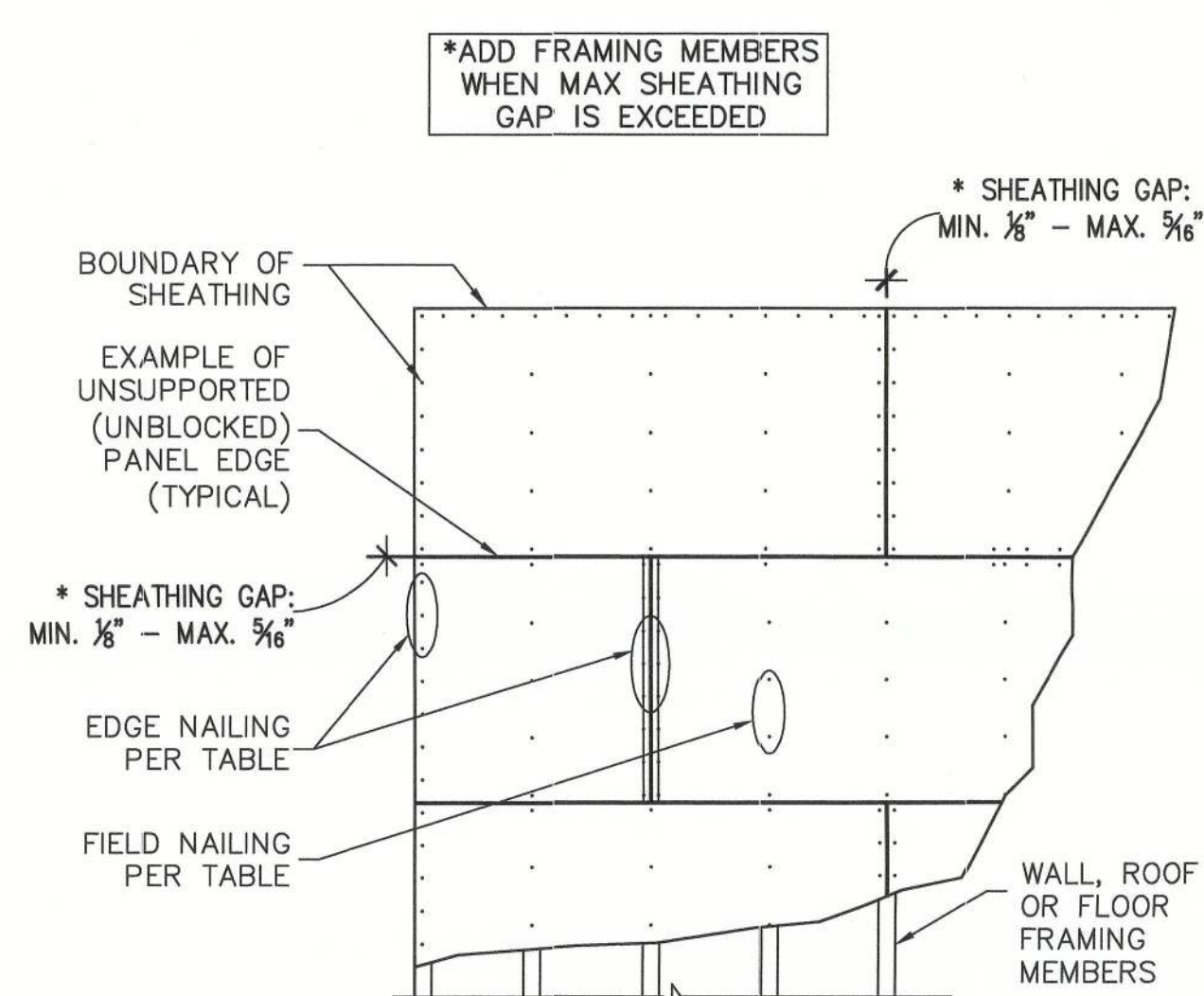
SD1 TYPICAL, APPLY WHERE APPLICABLE

NOTES:

- THESE GUIDELINES APPLY TO UNIFORMLY LOADED BEAMS SELECTED FROM THE QUICK REFERENCE TABLES OR THE UNIFORM LOAD TABLES OR DESIGNED WITH LP'S DESIGN/SPECIFICATION SOFTWARE ONLY. FOR ALL OTHER APPLICATIONS, SUCH AS BEAMS WITH CONCENTRATED LOADS, PLEASE CONTACT YOUR LP@SOLIDSTART@ENGINEERED WOOD PRODUCTS DISTRIBUTOR FOR ASSISTANCE.
- ROUND HOLES CAN BE DRILLED ANYWHERE IN "AREA A" PROVIDED THAT: NO MORE THAN FOUR HOLES ARE CUT, WITH THE MINIMUM SPACING DESCRIBED IN THE DIAGRAM. THE MAXIMUM HOLE SIZE IS 1-1/2" FOR DEPTHS UP TO 9-1/4," AND 2" FOR DEPTHS GREATER THAN 9-1/4."
- RECTANGULAR HOLES ARE NOT ALLOWED.
- DO NOT DRILL HOLES IN CANTILEVERS WITHOUT PRIOR APPROVAL FROM THE PROJECT DESIGNER.
- OTHER HOLE SIZES AND CONFIGURATIONS MAY BE POSSIBLE WITH FURTHER ENGINEERING ANALYSIS. FOR MORE INFORMATION, CONTACT YOUR LP SOLID START ENGINEERED WOOD PRODUCTS DISTRIBUTOR.
- UP TO THREE 3/4" HOLES MAY BE DRILLED IN "AREA B" TO ACCOMMODATE WIRING AND/OR WATER LINES. THESE HOLES SHALL BE AT LEAST 12" APART. THE HOLES SHALL BE LOCATED IN THE MIDDLE THIRD OF THE DEPTH, OR A MINIMUM OF 3" FROM THE BOTTOM AND TOP OF THE BEAM. FOR BEAMS SHALLOWER THAN 9-1/4", LOCATE HOLES AT MID-DEPTH.
- PROTECT PLUMBING HOLES FROM MOISTURE.

1 CUTTING, NOTCHING, BORED HOLES IN STUDS AND PLATES

SD1 TYPICAL, APPLY WHERE APPLICABLE

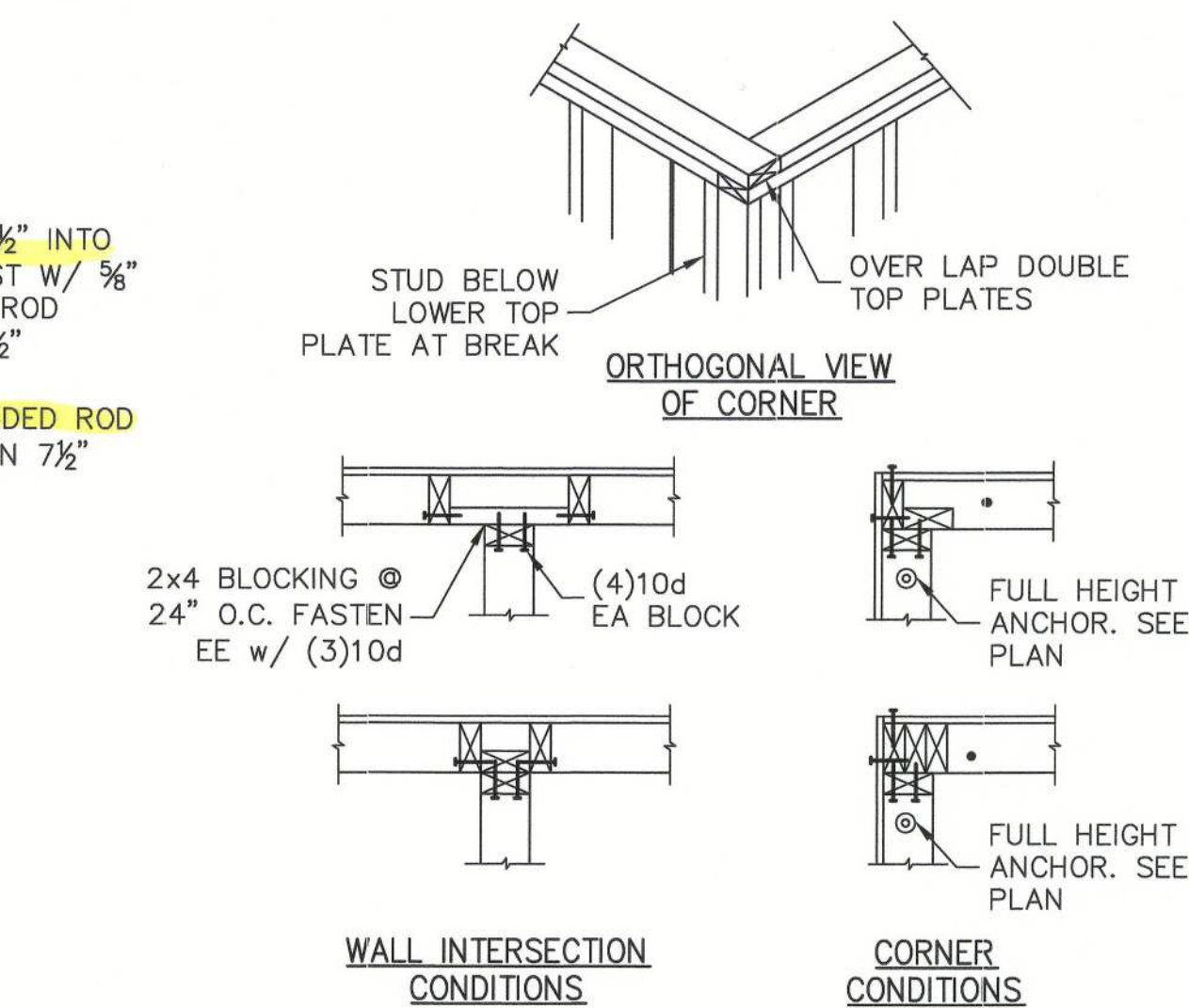


3 WALL, ROOF, FLOOR AND PORCH CEILING SHEATHING LAYOUT

SD1 TYPICAL, APPLY WHERE APPLICABLE

4 OVERFRAME LEDGER

SD1 ONLY WHERE NOTED ON PLAN

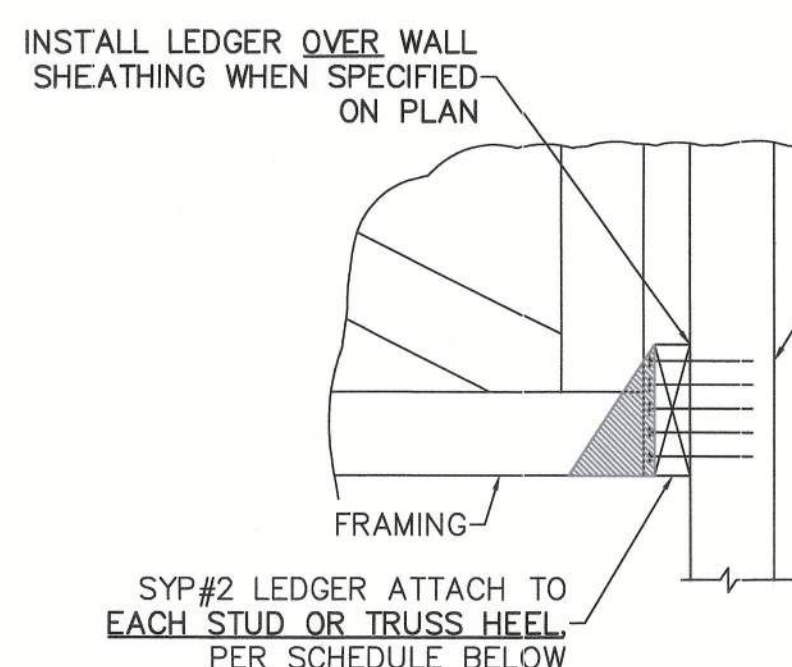


NOTES:

- DENOTES 10d @ 6" O.C. VERTICAL, UON
- DENOTES SOLE PLATE ANCHOR, SEE SCHEDULE
- DENOTES FULL HEIGHT ANCHOR, SEE PLAN
- OVERLAP TOP PLATES AT CORNERS & INTERSECTIONS
- SOLE PLATE ANCHOR NOT REQD WHEN BASE ANCHOR IS INSTALLED

8 WALL CORNER & INTERSECTION FRAMING

SD1 TYPICAL, APPLY WHERE APPLICABLE



LEDGER SIZE & NAILING

2x6 w/ 5-0.131x3"
2x8 w/ (4)0.131x3" PLUS (4)1/4"x4 1/2" SDS SCREWS
2x10 w/ (4)0.131x3" PLUS (6)1/4"x4 1/2" SDS SCREWS
2x12 w/ (6)0.131x3" PLUS (6)1/4"x4 1/2" SDS SCREWS

— FASTEN LEDGER TO EACH WALL STUD OR TRUSS HEEL (MAX 24" OC FASTENING)

NOTES:

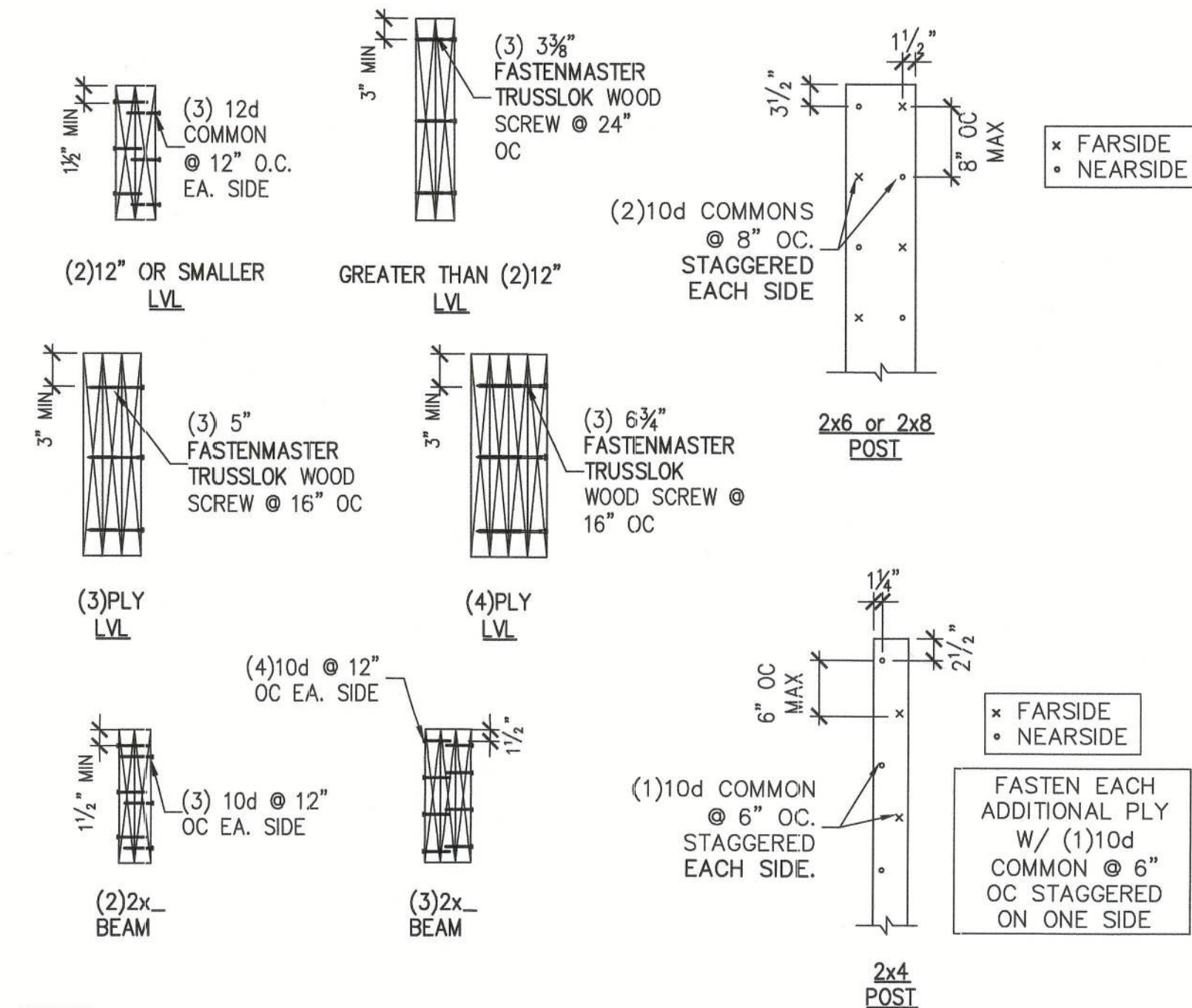
- SEE PLAN FOR SPECIFIC LEDGER SIZE
- INSTALL LEDGER OVER WALL SHEATHING WHEN SPECIFIED ON PLAN
- TRUSS TO LEDGER CONNECTION BY TRUSS ENGINEER. NOT SHOWN FOR CLARITY

5 LEDGER CONNECTION

SD1 ONLY WHERE NOTED ON PLAN

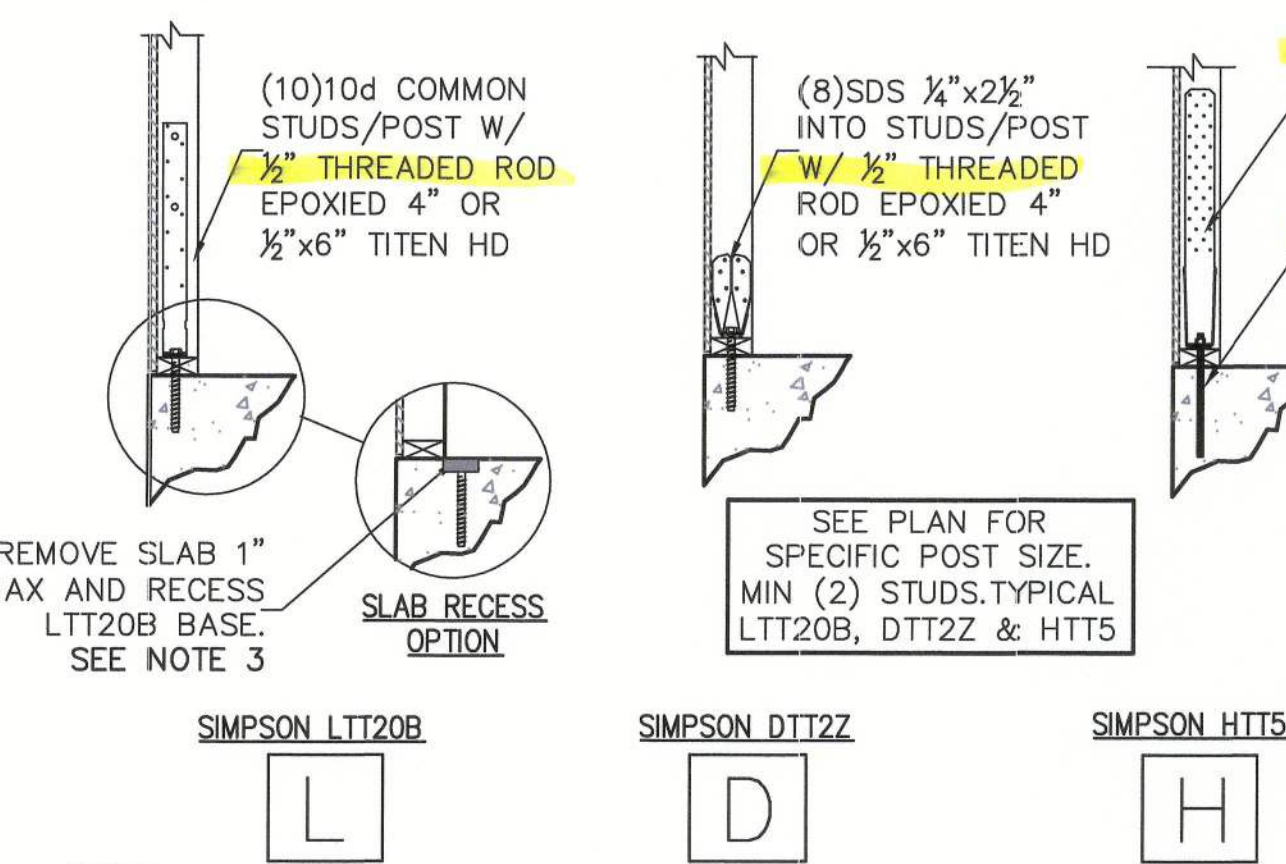
6 BUILT UP MEMBER FASTENING

SD1 TYPICAL, APPLY WHERE APPLICABLE



NOTES:

- TYPICAL CONNECTION AT STUD COLUMNS, JACK-TO-KING ASSEMBLIES, CORNER POSTS, ETC.
- SEE FASTENMASTER FOR TRUSSLOK INSTALLATION RECOMMENDATIONS

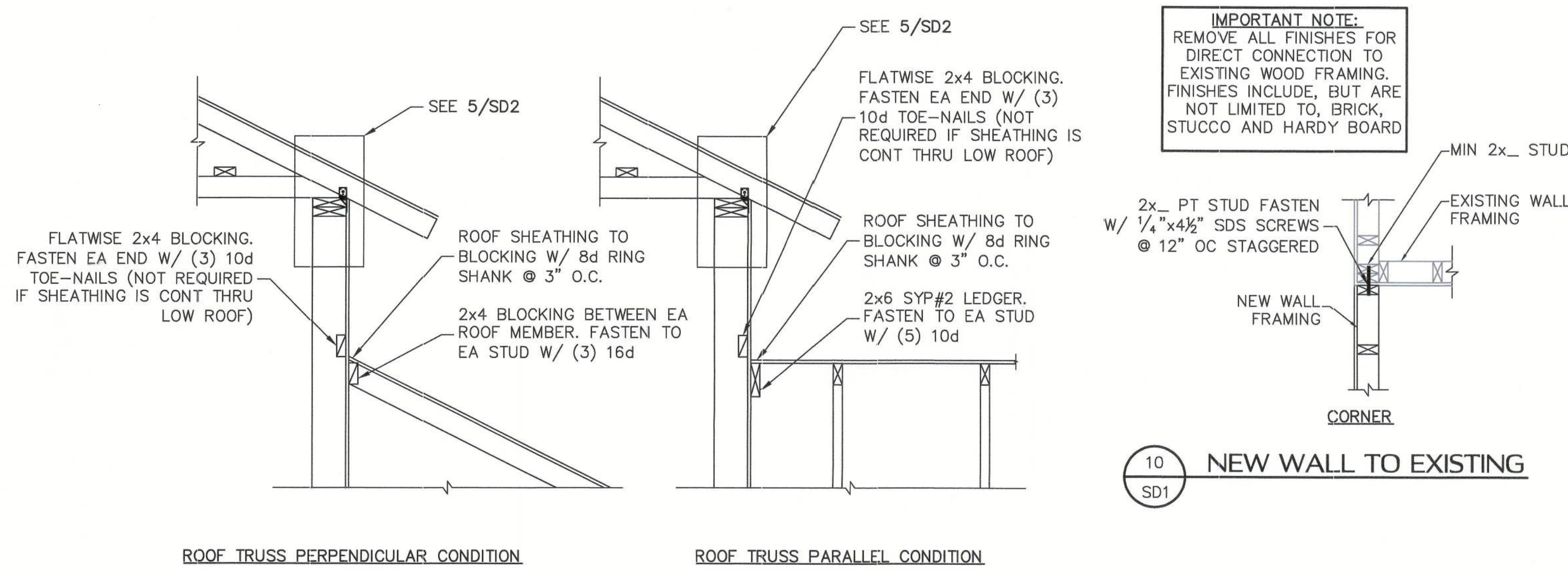


NOTES:

- SEE FIRST LEVEL FRAMING PLAN FOR ANCHOR LOCATIONS.
- THE EMBEDMENT DEPTHS SHOWN ARE TYPICAL. GREATER EMBEDMENT DEPTHS MAY BE REQUIRED WHERE SHOWN ON PLAN (I.E. AT GARAGE RETURNS)
- LTT20B HOLD DOWNS ARE ONLY REQUIRED TO BE RECESSED INTO SLAB WHERE FRAMING IS PACKED TIGHT AND PREVENTS INSTALLATION WITHIN THE WALL. LTT20B MAY BE REPLACED WITH DTT2Z IF THERE IS ADEQUATE ROOM IN THE WALL FOR INSTALLATION

7 POST BASE ANCHOR

SD1 ONLY WHERE NOTED ON PLAN



NOTES:

- THIS DETAIL IS TYPICAL WHERE A LOWER ROOF INTERSECTS A WALL WITH HIGHER ELEVATION
- UPPER WALL IS ONLY REQD TO BE SHEATHED CONT THRU LOW ROOF WHERE NOTED ON PLAN.

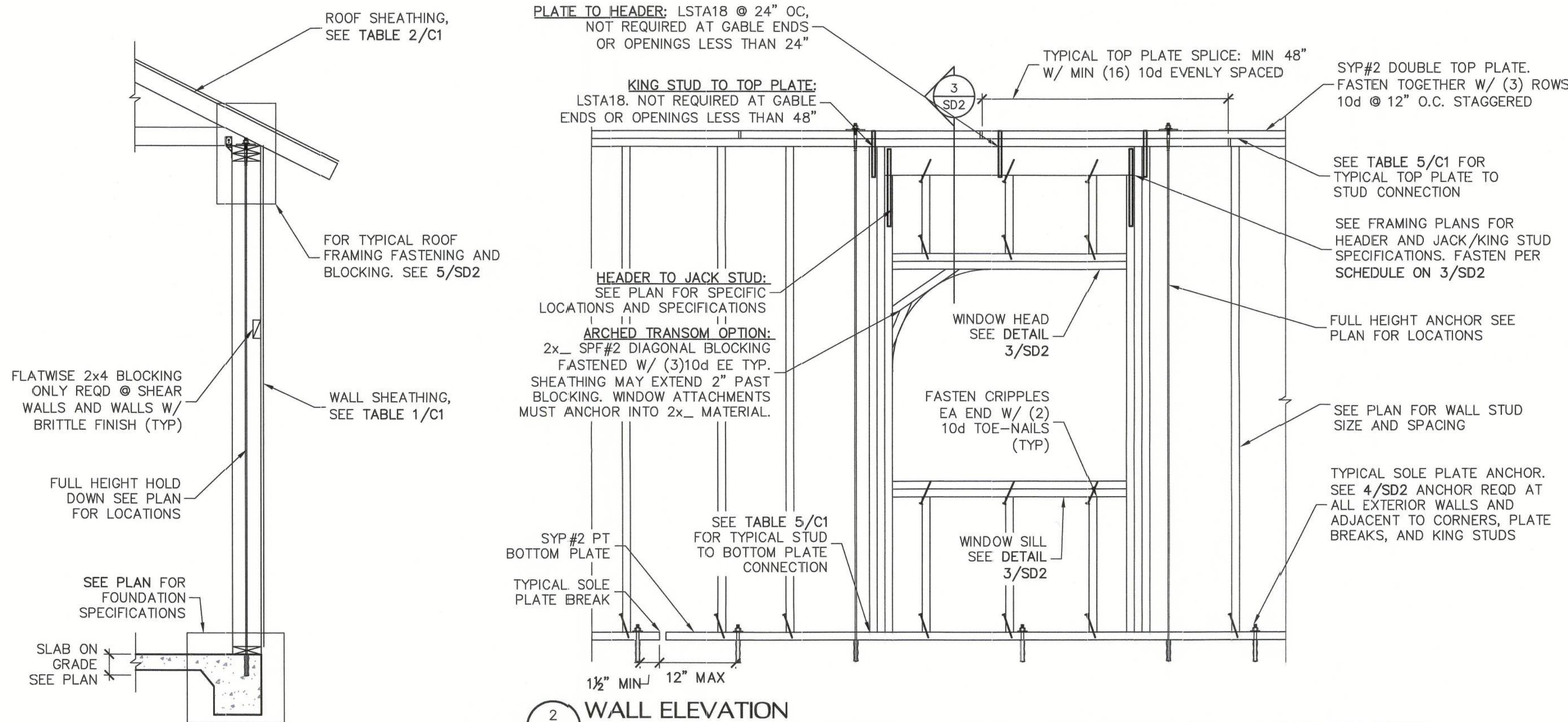
9 UPPER WALL TO ADJACENT ROOF CONNECTION

SD1 SCALE: 3/4" = 1'-0"

10 NEW WALL TO EXISTING

SD1

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2
SD2
WALL ELEVATION
TYPICAL, APPLY WHERE APPLICABLE

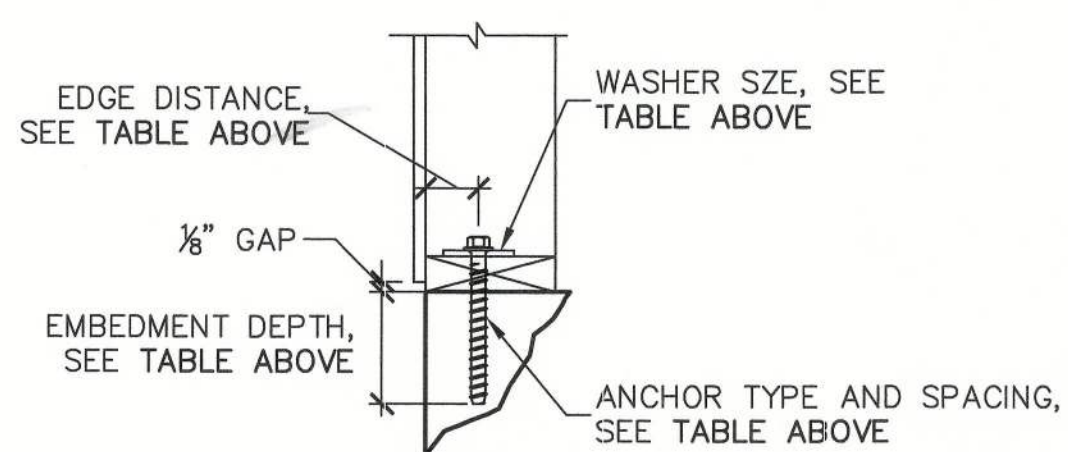
- NOTES:
1. USE SPF#2 OR BETTER FOR ALL WALL STUDS. SEE PLAN FOR STUD SIZE AND SPACING REQUIREMENTS
 2. USE SYP#2 FOR ALL HEADERS, BEAMS, RAFTERS, AND JOISTS
 3. USE SYP#2 FOR ALL TOP PLATES AND BOTTOM PLATES. USE SYP#2 PT FOR BOTTOM PLATES THAT BEAR ON CONCRETE SLAB
 4. ALL WALLS SHALL BE **BALLOON FRAMED** FULL HEIGHT TO ROOF OR FLOOR BEARING ELEVATION. SEE PLAN FOR STUD SIZE AND SPACING.
 5. FASTEN INTERIOR BEARING WALL BOTTOM PLATES TO SLAB PER 4/SD2

1
SD2
WALL SECTION

TYPICAL, APPLY WHERE APPLICABLE

SOLE PLATE ANCHOR SCHEDULE

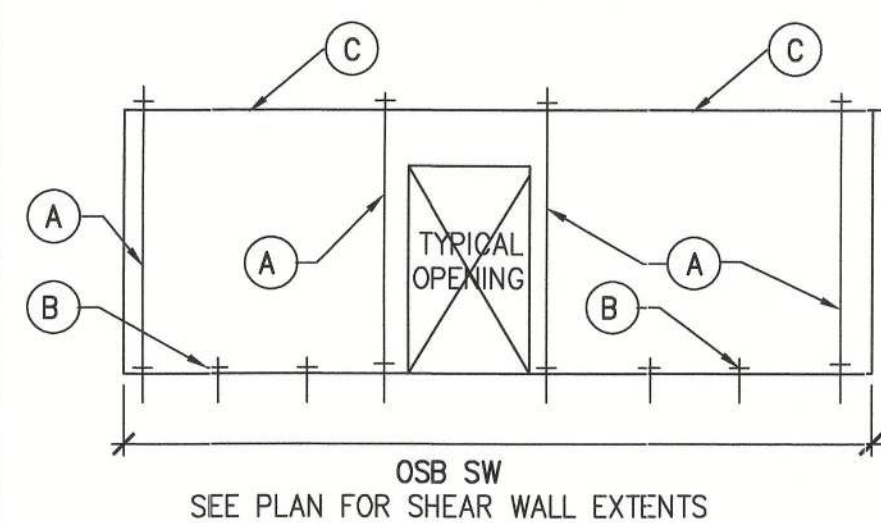
ANCHOR TYPE	TYPICAL ROOF BEARING WALL SPACING	SHEARWALL SPACING	WASHER SIZE	EMBEDMENT DEPTH	EDGE DISTANCE 2x4 WALL	EDGE DISTANCE 2x6 WALL
3/8" Ø TR	40" OC	16" O.C.	2"x2"x1/8"	3 1/2"	1 3/4"	2 3/4"
1/2" Ø TR	48" OC	24" O.C.	2"x2"x1/8"	3 1/2"	1 3/4"	2 3/4"



- NOTES:
1. ANCHORS REQD AT ALL EXT WALLS, INTERIOR ROOF LOAD BEARING WALLS, PLATE BREAKS AND KING STUDS

4
SD2
SOLE PLATE ANCHOR ASSEMBLY & SPACING

TYPICAL, APPLY WHERE APPLICABLE



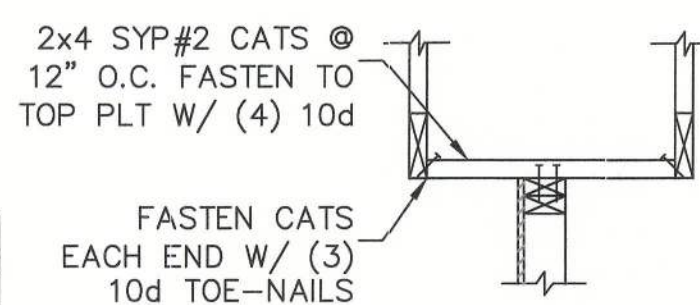
- NOTES:
1. PROVIDE 7/16" OSB SHEATHING W/ 8d COMMON @ 3" OC EDGE AND 6" OC. FIELD
 2. PROVIDE MINIMUM OF (2) STUDS AT EACH END OF SHEARWALL. KING/JACK STUDS AT HEADERS MAY SERVE AS END STUDS FOR SHEAR WALL
 3. INSTALL INTERIOR FOOTING BELOW SHEAR WALL PER PLAN
 4. ADDITIONAL STRAPPING AND HOLD DOWNS MAY BE REQUIRED, SEE PLAN

8
SD2
SHEAR WALL FASTENING

ONLY WHERE NOTED ON PLAN

SHEARWALL FRAMING AND FASTENING SCHEDULE

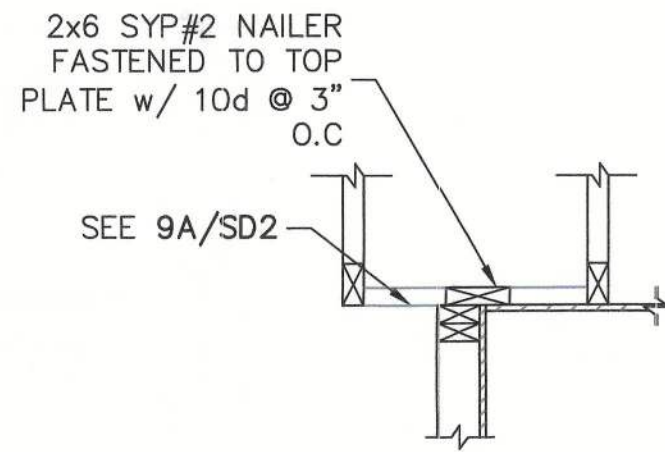
KEYNOTE	CONNECTOR
A	DOUBLE WALL STUDS AND ANCHOR AT EACH END OF SHEARWALL. SEE PLAN FOR ANCHOR SPECIFICATIONS AND LOCATIONS
B	SOLE PLATE ANCHORS @ 24" OC. SEE DETAIL 4/SD2
C	FASTEN TOP OF INTERIOR SHEARWALLS PER 9/SD2. WHEN EXTERIOR SHEARWALL IS PARALLEL TO TRUSSES, FASTEN TOP OF WALL PER 9A/SD2.



- NOTES:
1. SEE TABLE 1-4/C1 FOR SHEATHING SPECIFICATIONS

5
SD2
CONVENTIONAL ROOF & CEILING FRAMING

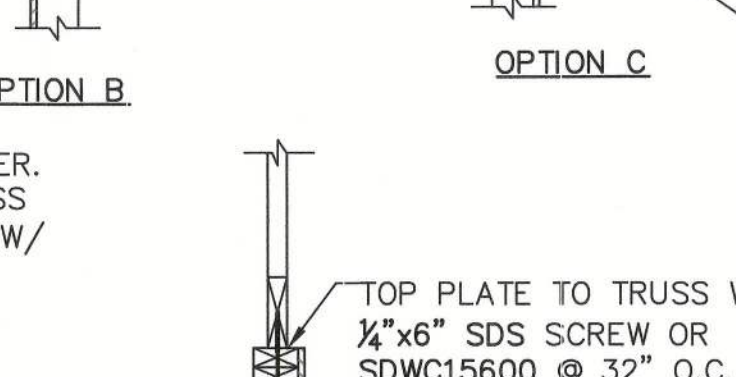
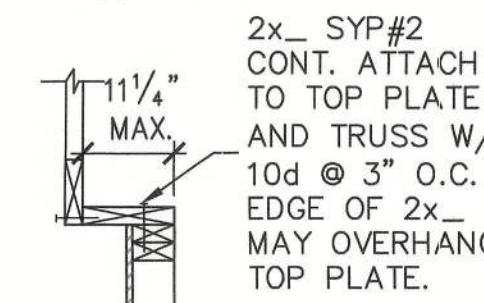
SCALE: 3/4" = 1'-0"



- NOTES:
1. SEE TABLE 4/C1 FOR PORCH CEILING SHEATHING SPECIFICATIONS
 2. FASTEN TRUSS TO BEAM PER DETAIL PLAN
 3. WATER PROOFING AT LOWER PORTION OF BOX COLUMN BY BUILDER IF PT MATERIAL IS NOT USED

6
SD2
PORCH POST AND SHEATHING FASTENING

TYPICAL, APPLY WHERE APPLICABLE



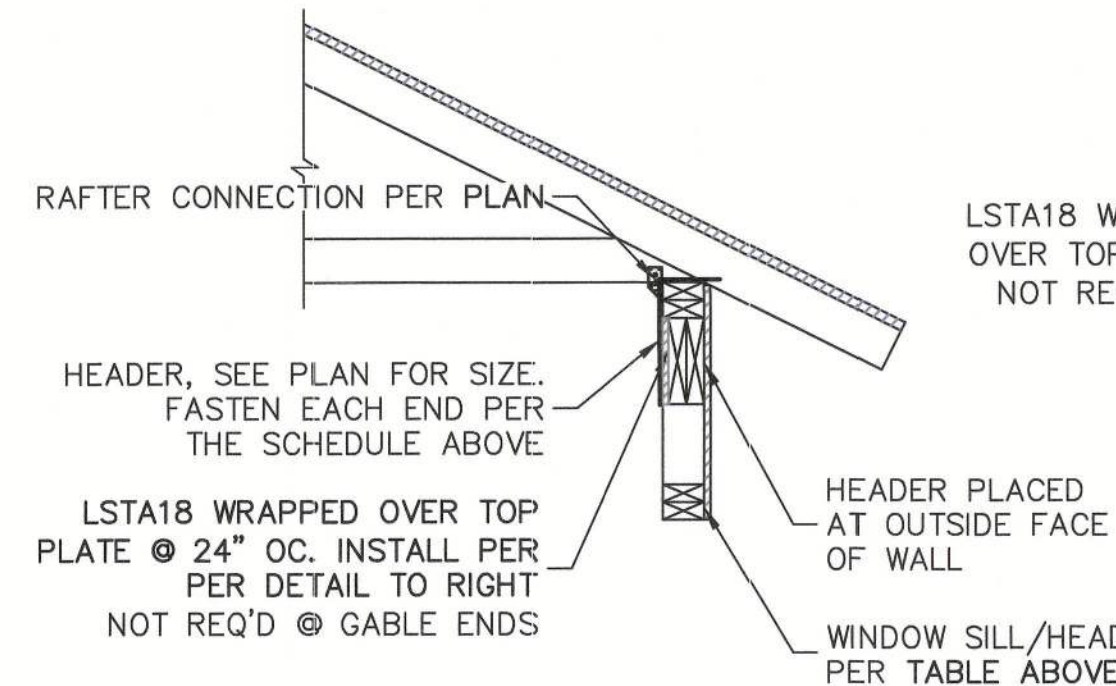
- NOTES:
1. PROVIDE 7/16" SHEATHING. FASTEN TO TOP PLATE & NAILERS W/ 8d COMMON @ 3" OC.

9
SD2
SHEARWALL DIAPHRAGM FASTENING

ONLY WHERE NOTED ON PLAN & AT ALL EXTERIOR WALLS PARALLEL WITH ROOF FRAMING

WINDOW SILL/HEAD AND HEADER FASTENING SCHEDULE

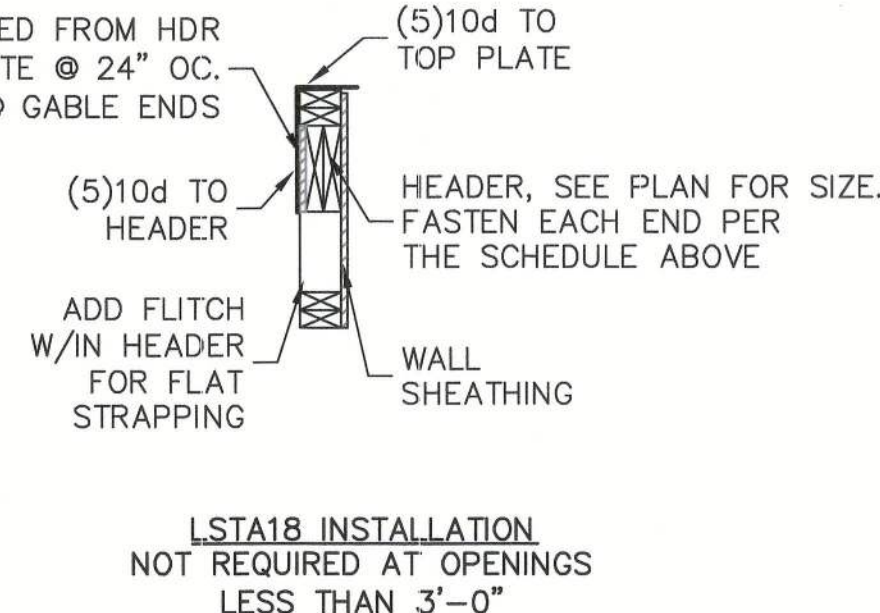
ROUGH OPENING	SPF#2 SILL/HEAD PLATES	SILL PLATE TO JACK STUD CONNECTION EE	HEADER TO KING CONNECTION EE
LESS THAN 4'-4"	MIN (1) 2x4	(4) 10d TOE-NAILS	(5) 10d TOE-NAILS
4'-5" TO 6'-4"	MIN (2) 2x4	(5) 10d TOE-NAILS	(7) 10d TOE-NAILS
6'-5" TO 8'-4"	MIN (3) 2x4	(1) A34	(7) 10d TOE-NAILS
8'-5" TO 12'-0"	MIN (3) 2x6	(1) A35	(9) 10d TOE-NAILS
GREATER THAN 12'-0"	SEE PLAN	SEE PLAN	SEE PLAN



- NOTES:
1. ALL HEADERS SHALL BE SYP#2
 2. SEE PLAN FOR JACK/KINGS STUD DESIGNATIONS

3
SD2
HEADER FASTENING DETAIL

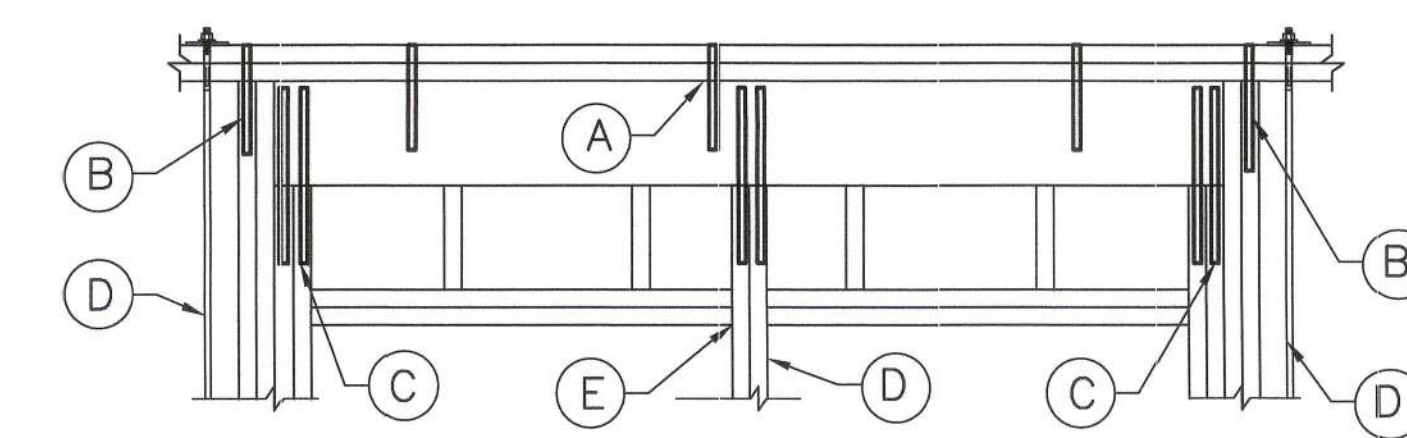
TYPICAL, APPLY WHERE APPLICABLE



10
SD2
HEADER STRAPPING

ONLY WHERE NOTED ON PLAN

KEYNOTE	CONNECTOR
A	LSTA18 @ 36" OC (MIN 2 STRAPS PER HEADER)
B	LSTA18 KING STUD TO TOP PLATE
C	(2)MSTA24
D	FULL HEIGHT OR KING STUD BASE ANCHOR SEE PLAN
E	INTERMEDIATE STUDS. FASTEN TOP W/ (2)MSTA24



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THREADED ROD HOLD DOWN INSTALLATION CHART								
PLAN SYMBOL	ROD Ø (PER PLAN)	Ⓐ	Ⓑ	Ⓒ	Ⓓ		Ⓔ	
		WOOD PLATE HOLE Ø	CONCRETE HOLE Ø	WASHER SIZE	EMBED DEPTH		EDGE DISTANCE	
⊗	3/8"	1/2"	1/2"	2"x2"x3/8"	4"	4"	2"	3"
⊗ ⁵	5/8"	3/4"	3/4"	3"x3"x1/4"	7 1/2"	12"	2 1/2"	3"

THREADED ROD HOLD DOWN SPECIFICATIONS

ANCHORING SYSTEM: THE THREADED ROD ANCHORING SYSTEM SHALL CONSIST OF 3/8" Ø A307 THREADED RODS, ORIENTED VERTICALLY AND ATTACHED TO THE FOUNDATION AND TO THE UPPERMOST PLATE AT THE LOCATIONS INDICATED IN THESE DOCUMENTS. ABOVE TOP PLATE, PROVIDE A 2"x2"x3/8" STEEL WASHER, FASTEN WITH A NUT AND ALLOW AT LEAST 3 THREADS TO EXTEND ABOVE TIGHTENED NUT. (TYP.)

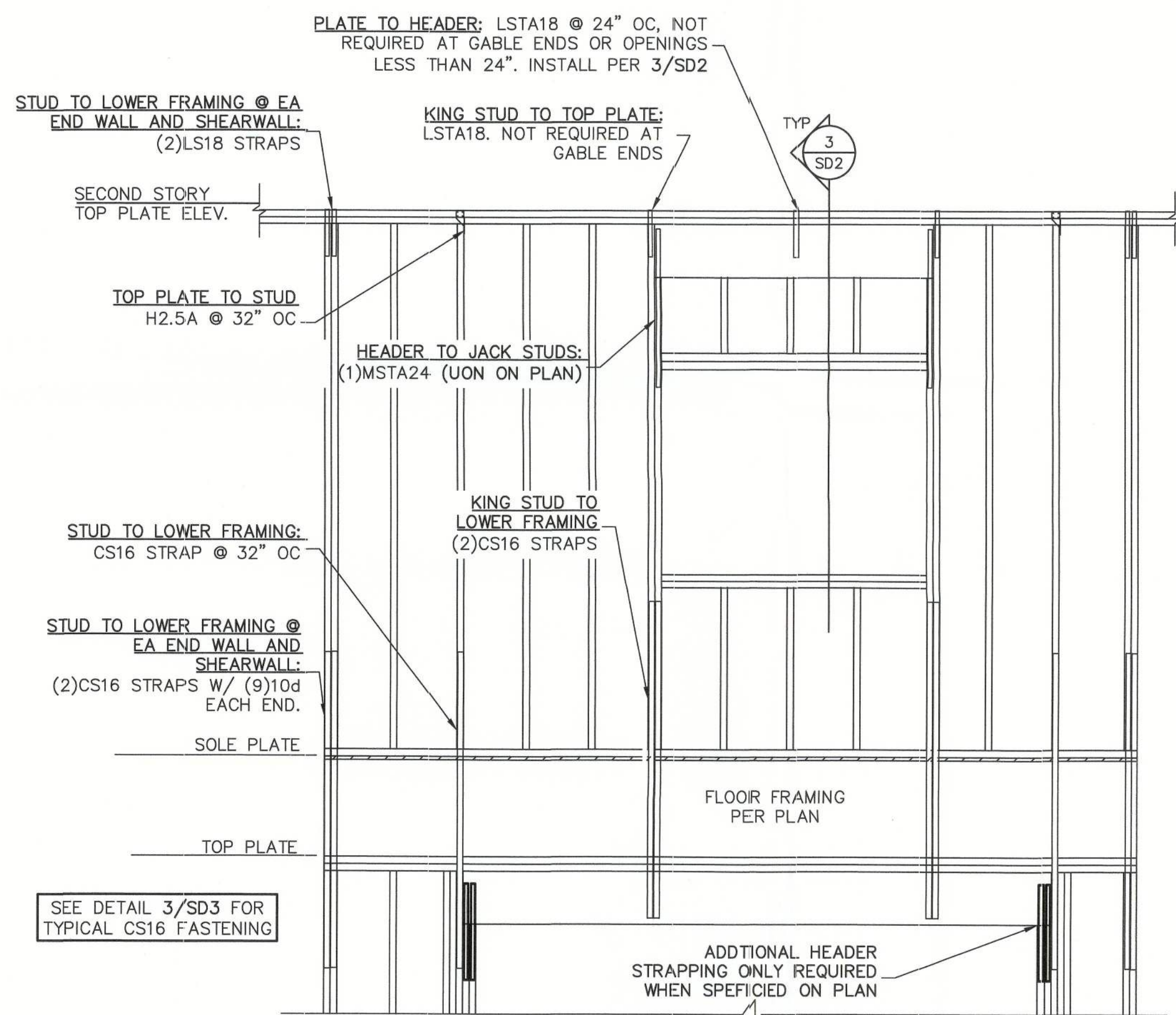
ROD INSTALLATION: AT ALL PLATE PENETRATIONS, PROVIDE A HOLE IN THE PLATE 1/4" LARGER THAN THE DIAMETER OF THE THREADED ROD USED. WHILE SINGLE CONTINUOUS RODS ARE PREFERRED, COUPLERS (SIMPSON CNW OR EQUAL) MAY BE USED IN CASES WHERE ONE CONTINUOUS ROD IS UNFEASIBLE. THE ROD SHALL BE INSTALLED APPROXIMATELY CENTERED IN HOLE. RODS MAY BE SLANTED FROM TRUE VERTICAL BY A MAXIMUM OF 2 INCHES IN 10 FEET TO AVOID CONFLICTS WITH FLOOR AND WALL FRAMING. THE NUT ABOVE THE UPPERMOST PLATE SHALL BE SECURED OVER THE WASHER TO A SNUG-TIGHT CONDITION PLUS ONE-HALF TURN OF A STANDARD WRENCH (APPROXIMATELY 30 FT.-LBS. OF TORQUE). DUE TO SHRINKAGE AND COMPRESSION OF BUILDING CONTRACTORS SHALL RE-TIGHTEN NUT TO 30 FT.-LBS. OF TORQUE AFTER ALL TRADES ARE COMPLETE AND PRIOR TO INSULATION.

EPOXY ANCHORING: ALL THREADED RODS SHALL BE DRILLED & EPOXY ANCHORED. SEE INSTALLATION CHART FOR EMBEDMENT AND EDGE DISTANCE REQUIREMENTS

NOTES:
1. SEE FRAMING PLAN FOR ANCHOR LOCATIONS

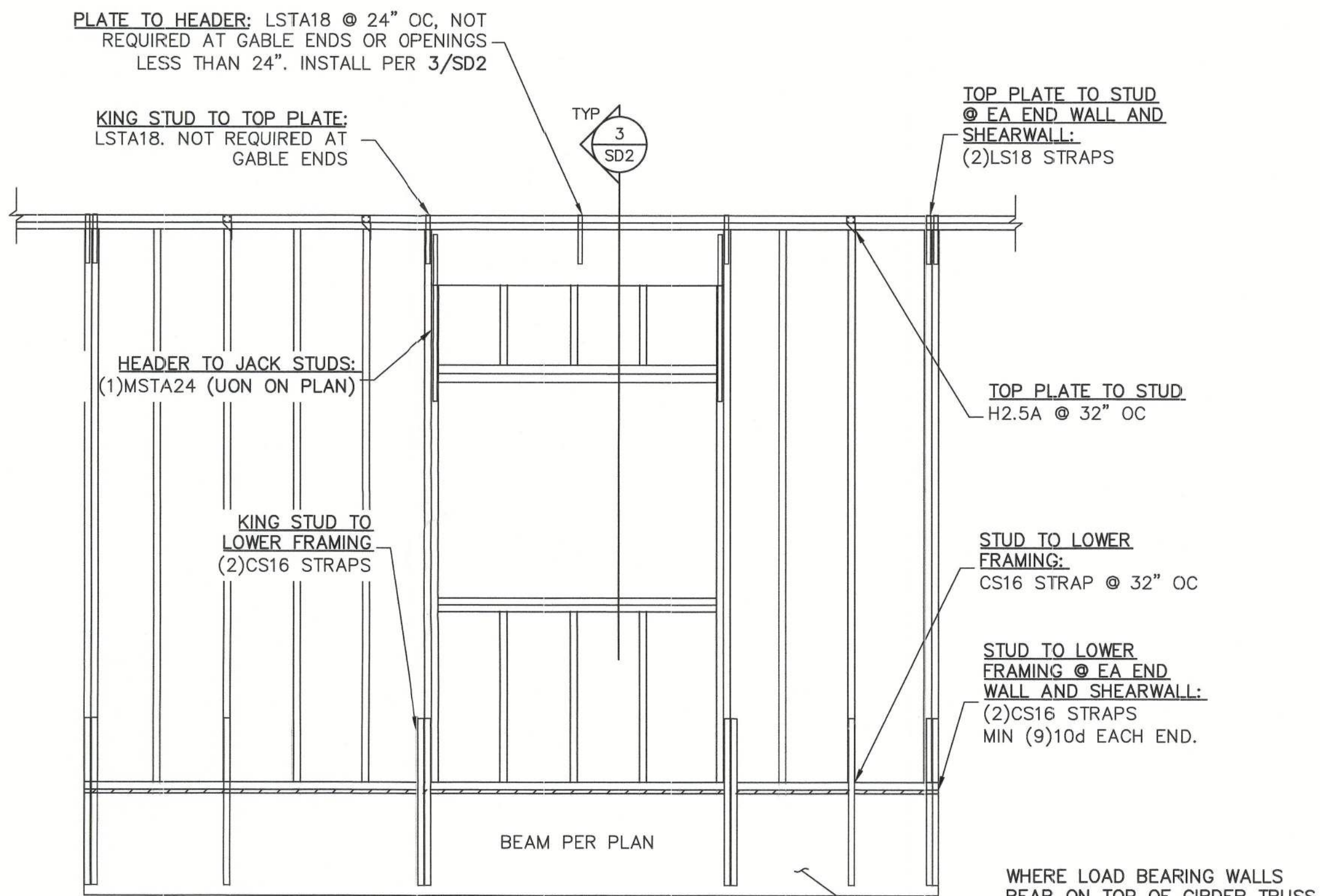
1 THREADED ROD HOLD DOWN

SD3 ONLY WHERE NOTED ON PLAN



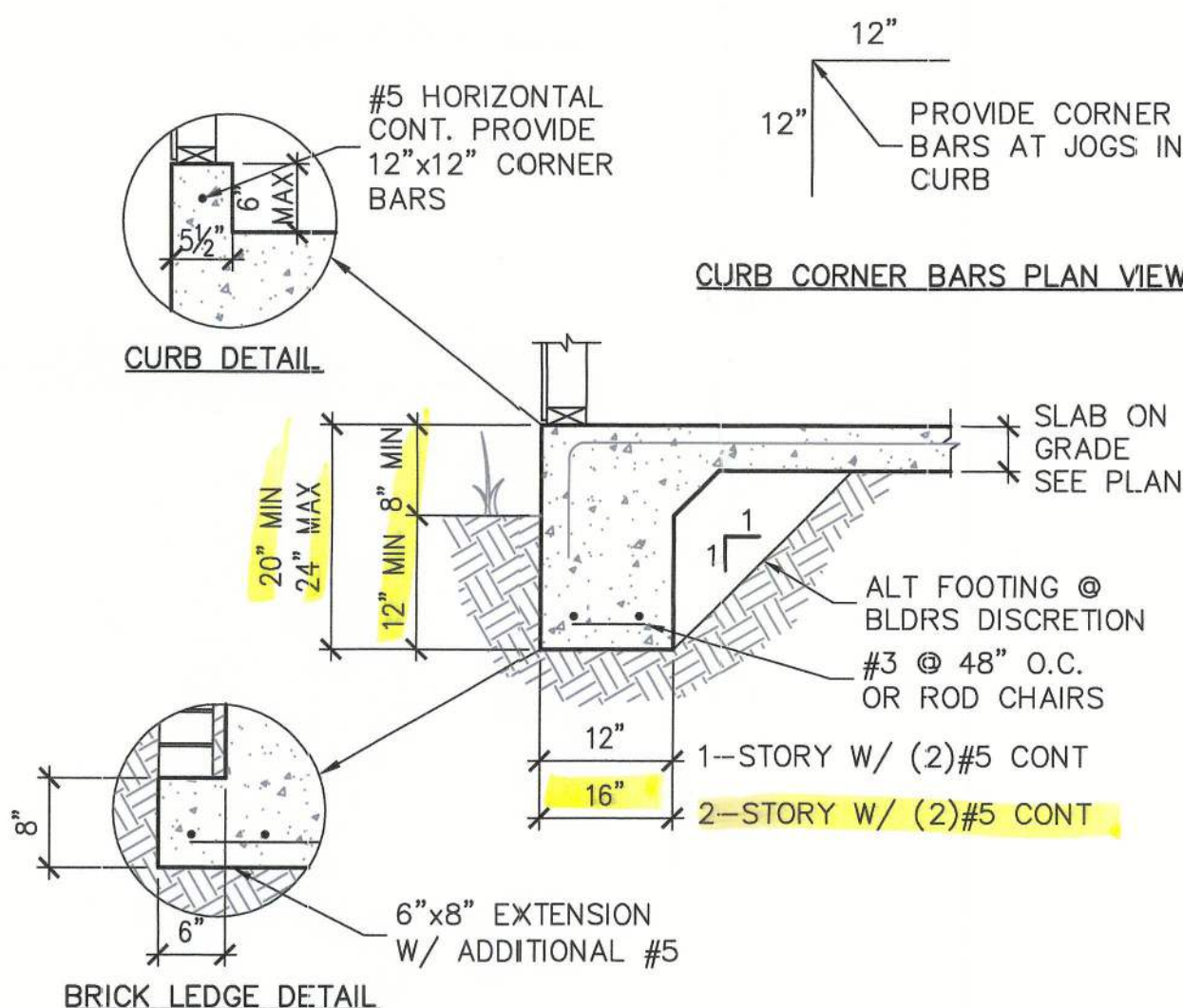
4 CONVENTIONAL WALL STRAPPING (STACKED WALL)

SD3 SCALE: 3/4" = 1'-0"



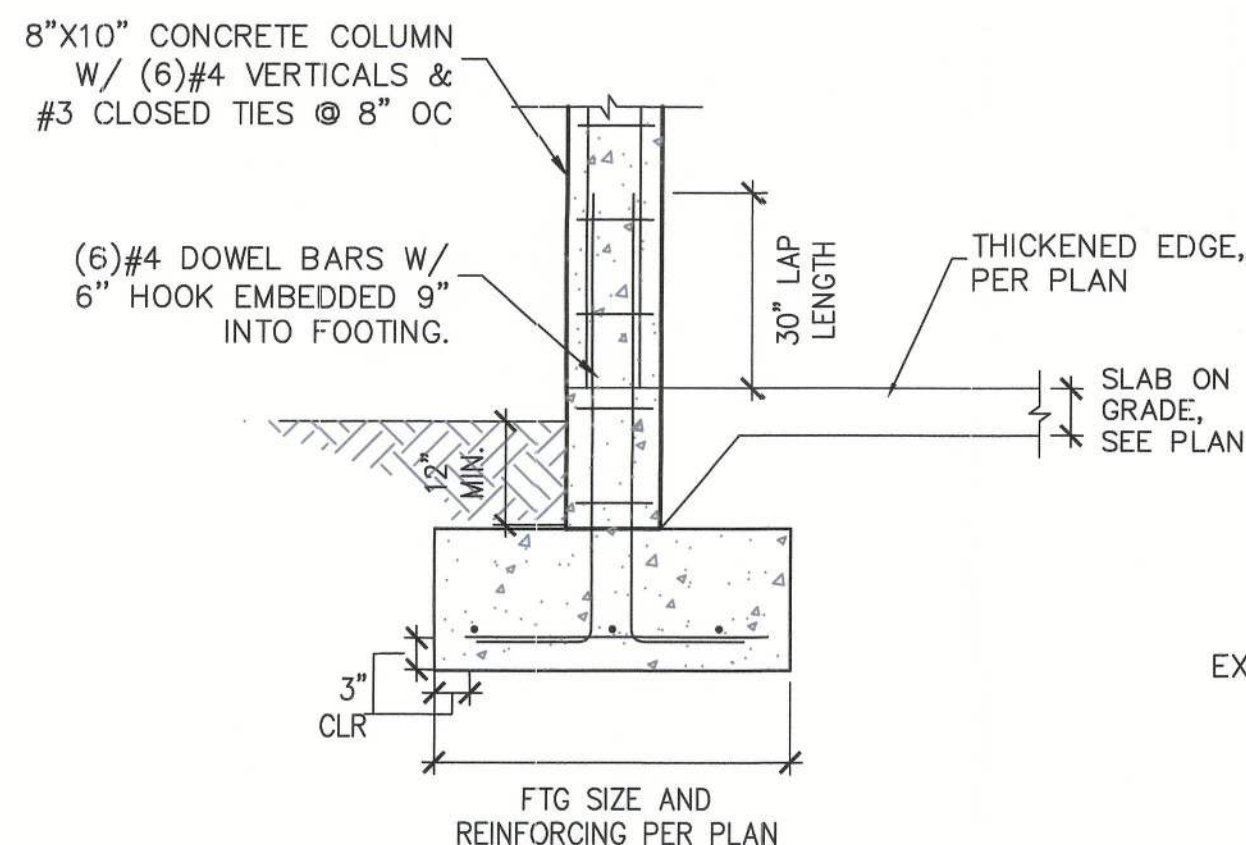
2 CONVENTIONAL STRAPPING (OVER BEAM)

SD3



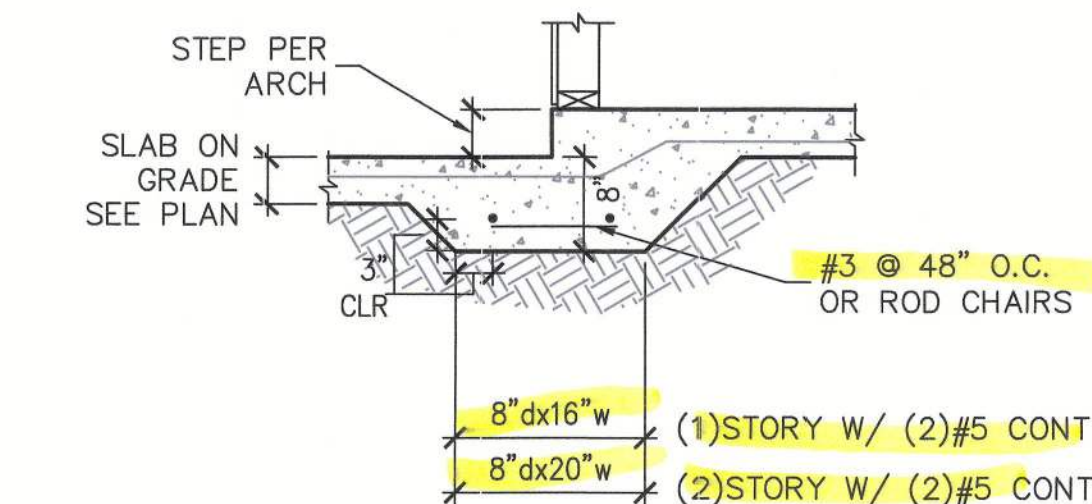
5 MONOLITHIC FOOTING

SD3



9 CONCRETE COLUMN DETAIL

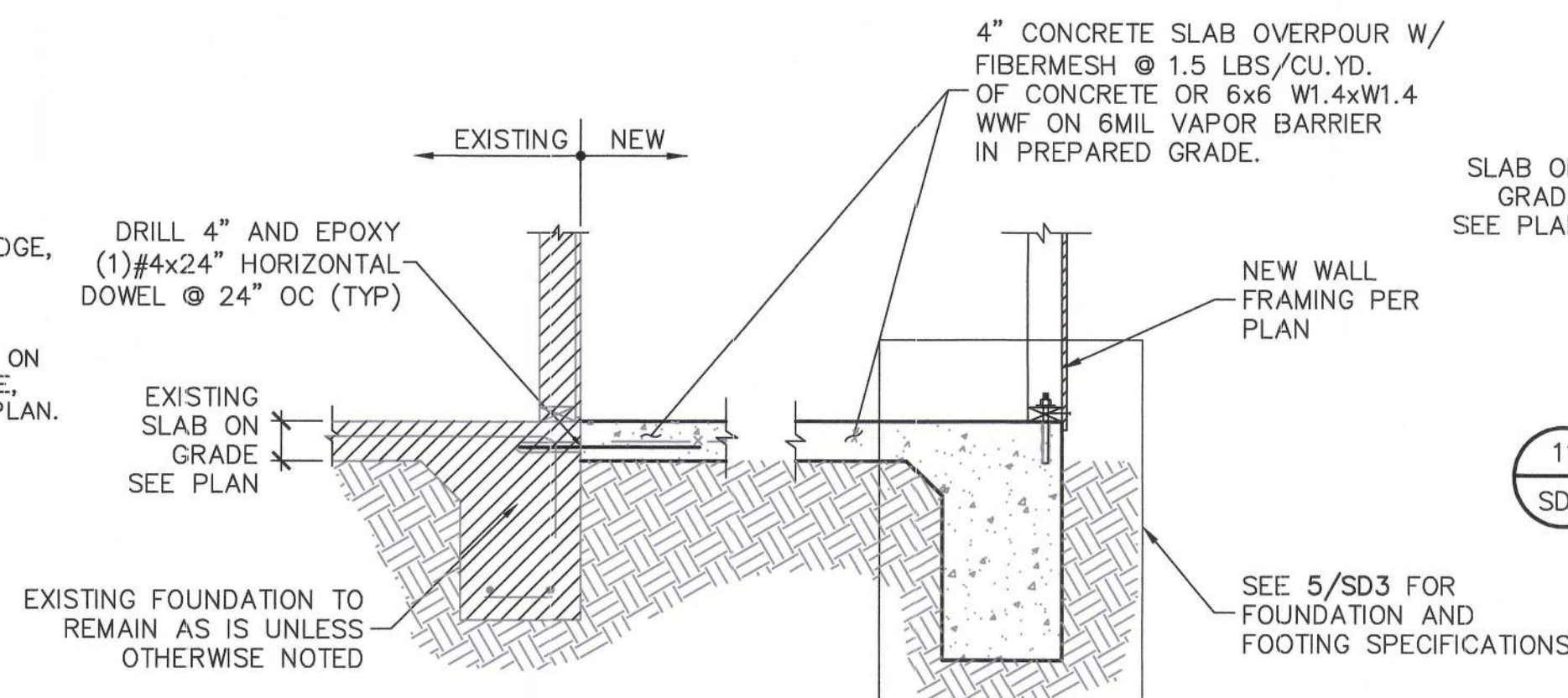
SD3



NOTE:
1. BRICK VENEER IS ACCEPTABLE WITHOUT INCREASE IN FOOTING SIZE

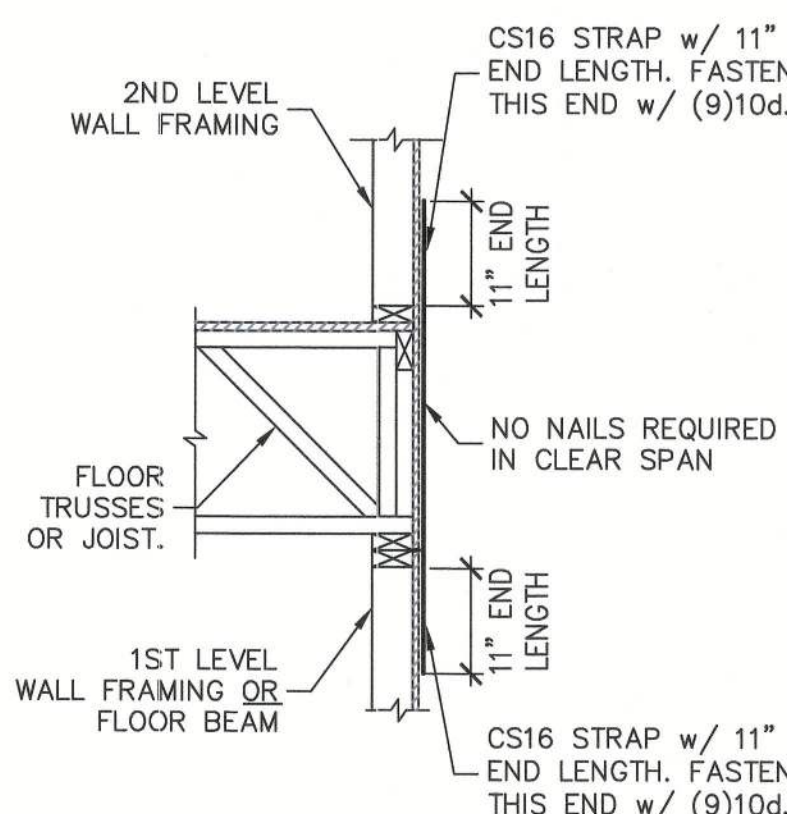
6 INTERIOR BEARING STEP FOOTING

SD3



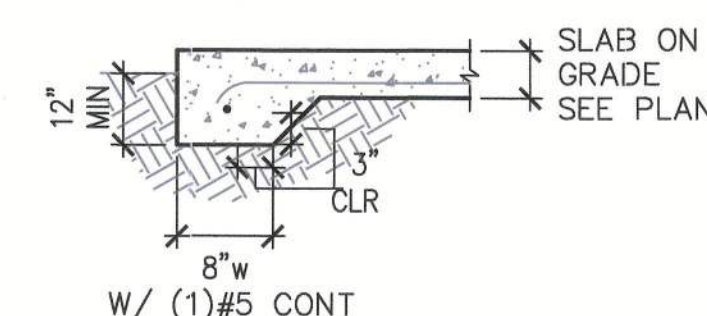
10 NEW SLAB TO EXISTING CONNECTION

SD3 ONLY WHERE NOTED ON PLAN



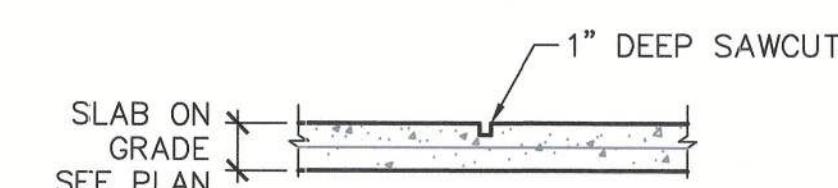
3 CS16 STRAPPING DETAIL

SD3 SCALE: 3/4" = 1'-0"



7 PORCH THICKENED EDGE

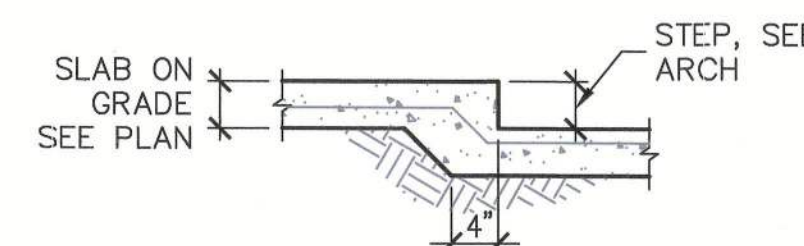
SD3



NOTES:
1. PROVIDE SAWCUTS TO CREATE AN APPROXIMATE 12"x12" MAX GRID
2. SAWCUT SLAB WITHIN 4 TO 12 HOURS OF CONCRETE PLACEMENT

8 SAWCUT

SD3



11 SLAB RECESS

SD3 SCALE: 3/4" = 1'-0"

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FIELD ALTERATION AND PLAN
SCALING NOTE:
PRIOR TO MAKING ANY STRUCTURAL FIELD MODIFICATIONS WHICH MAY VARY FROM THE INTENT OF THE ORIGINAL CONSTRUCTION DOCUMENTS, CONTRACTOR SHALL CONTACT FORTRESS ENGINEERING GROUP. ANY FIELD MODIFICATIONS MADE PRIOR TO BEING APPROVED BY FEG ARE SUBJECT TO ADDITIONAL INSPECTIONS AND FEES.
DO NOT SCALE DIMENSIONS FROM THESE DRAWINGS. ALL DIMENSIONS SHALL BE APPROVED BY THE PROJECT CONTRACTOR OR ARCHITECT.

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FEG JOB #
FEG21-148

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DRAWN BY: SAL
CHECKED BY: SLM

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FL PE # 88723

STEPHEN LEIGH MCCORVEY
LICENSE
No. 88723
STATE OF FLORIDA
PROFESSIONAL ENGINEER

PRINT DATE
07-22-21

SHEET

SD3

FRAMING DETAILS