

| DESIGN SPECIFICATIONS | | |
|--|--|---|
| DESIGN CODE: 2023 FLORIDA BUILDING CODE – RESIDENTIAL DESIGN IS VOID ONE YEAR AFTER THE DATE OF THE ORIGINAL PLANS, UNLESS PLANS HAVE BEEN REVISED FOR CODE COMPLIANCE. DESIGN LOADS: ACTUAL AND UNIFORM | | |
| FLOOR ROOF LOADING: (see 1.25) TOP CHORD LIVE LOAD: 20 psf TOP CHORD DEAD LOAD: 7 psf (ARCH SHINGLES) BOTTOM CHORD LIVE LOAD: 20 psf (TILE SHINGLES) BOTTOM CHORD DEAD LOAD: 5 psf FLOOR FRAMING: LIVE LOAD L/240 TOTAL LOAD L/180 FLOOR FRAMING: LIVE LOAD L/360 & TOTAL LOAD L/240 0.75" MAX ANY CASE | ROOF ROOF LOADING: (see 1.25) TOP CHORD LIVE LOAD: 20 psf TOP CHORD DEAD LOAD: 7 psf (ARCH SHINGLES) BOTTOM CHORD LIVE LOAD: 20 psf (TILE SHINGLES) BOTTOM CHORD DEAD LOAD: 5 psf FLOOR FRAMING: LIVE LOAD L/240 TOTAL LOAD L/180 FLOOR FRAMING: LIVE LOAD L/360 & TOTAL LOAD L/240 0.75" MAX ANY CASE | FLOOR ROOF LOADING: (see 1.25) TOP CHORD LIVE LOAD: 20 psf TOP CHORD DEAD LOAD: 7 psf (ARCH SHINGLES) BOTTOM CHORD LIVE LOAD: 20 psf (TILE SHINGLES) BOTTOM CHORD DEAD LOAD: 5 psf FLOOR FRAMING: LIVE LOAD L/240 TOTAL LOAD L/180 FLOOR FRAMING: LIVE LOAD L/360 & TOTAL LOAD L/240 0.75" MAX ANY CASE |
| WIND LOADING: ASCE 7/22 FOR WIND UPLIFT, TRUSSES SHALL BE DESIGNED WITH A MIN. DEAD LOAD CONDITION OF 5 PSF TOP CHORD AND 5 PSF BOTTOM CHORD. REACTIONS CALCULATED FOR THE BEARING POINTS OF ROOF TRUSSES SHALL BE REDUCED. SPECIFICALLY, ATTIC FLOOR LIVE LOADS COMBINED WITH ROOF LIVE LOADS SHALL BE MULTIPLIED BY 0.75 WHEN COMBINED w/ DEAD LOAD. | | |
| BASIC WIND SPEED (ASCE 7-22) ----- 130mph IMPORTANCE FACTOR ----- 1.00 MEAN ROOF HEIGHT ----- 20.0 FT ROOF PITCH ----- 6/12 BUILDING CATEGORY ----- II EXPOSURE CATEGORY ----- C ENCLOSURE CLASSIFICATION ----- ENCLOSED INTERNAL PRESSURE COEFFICIENT ----- ± .18 | | |

MATERIAL SPECIFICATIONS

HARDWARE AND ANCHORS:
ANCHOR BOLTS & THREADED ROD: SHALL BE IN ACCORDANCE WITH ASTM A 307 OR ASTM F 1554 GRADE 36.
WASHERS: SHALL BE IN ACCORDANCE WITH ASTM A500 (GRADE B).
NUTS: SHALL BE IN ACCORDANCE WITH ASTM A 563 GRADE A HEX.
METAL CONNECTORS: ALL METAL CONNECTORS WHICH ARE EXPOSED TO EXTERIOR SHALL BE GALVANIZED.
REINFORCING STEEL: SHALL BE ASTM A615, GRADE 60.
STRUCTURAL STEEL: SHALL BE ASTM A992, GRADE 50.
WELDED WIRE FABRIC (WWF): SHALL BE ASTM A185.
LAMINATED VENEER LUMBER (LVL): ALL LAMINATED VENEER LUMBER SHALL MEET OR EXCEED THE FOLLOWING DESIGN PROPERTIES – ELASTIC MODULUS (E):1,900ksi, BENDING STRESS (Fb) 2600psi

EPOXY: 17W RED HEAD A7
REINFORCING STEEL: SHALL BE ASTM A615, GRADE 60.
STRUCTURAL STEEL: SHALL BE ASTM A992, GRADE 50.
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GENERAL NOTES & CONSTRUCTION SPECIFICATIONS

FLOOR SHEATHING SPECIFICATIONS:
23/32" 1/8" OSB OR PLYWOOD SHEATHING, GLUE AND NAIL WITH 10d COMMON @ 6" O.C. EDGE & FIELD.

ROOF SHEATHING SPECIFICATIONS:
SHINGLE – MIN. 15/32", 32/16, APA RATED OSB OR PLYWOOD SHEATHING, NAILED w/ 0.131x2" RING SHANK NAILS @ 6" O.C. EDGE & 6" O.C. FIELD (AT GABLE ENDS DECREASE EDGE NAIL SPACING TO 4" O.C. WITHIN 4'-0" OF ROOF EDGE).
TILE – MIN. 15/32" 32/16, APA RATED PLYWOOD SHEATHING, NAILED w/ 0.131x2" RING SHANK @ 6" O.C. EDGE & 6" O.C. FIELD (AT GABLE ENDS DECREASE EDGE NAIL SPACING TO 4" O.C. WITHIN 4'-0" OF ROOF EDGE).
METAL – MIN. 1/2", 24/16, APA RATED PLYWOOD SHEATHING, NAILED w/ 0.131x2 1/2" RING SHANK NAILS @ 6" O.C. EDGE & 6" O.C. FIELD (AT GABLE ENDS DECREASE EDGE NAIL SPACING TO 4" WITHIN 4'-0" OF ROOF EDGE).

WALL SHEATHING SPECIFICATIONS:
FLEXIBLE FINISH– MIN. 7/8", 24/16, APA RATED OSB OR PLYWOOD SHEATHING, FASTENED w/ 8d @ 6" O.C. EDGE AND 6" O.C. FIELD. SHEATHING SHALL EXTEND FULL HEIGHT FROM BOTTOM PLATE TO UPPER TOP PLATE. FLEXIBLE FINISH WALLS INCLUDE: WOOD, CEMENT, OR VINYL SIDING, HARDI PANEL & BRICK. ALL OTHER WALL SHALL BE CONSIDERED BRITTLE FINISH.
STUCCO FINISH– MIN. 7/8", 24/16, APA RATED OSB OR PLYWOOD SHEATHING, FASTENED w/ 8d @ 6" O.C. EDGE AND 6" O.C. FIELD. SHEATHING SHALL ORIENTED WITH THE LONG DIMENSION PERPENDICULAR TO THE STUDS. CONTRACTOR MAY USE 3/4" STRUCTURAL 1 GRADE SHEATHING OR 1/2" OSB SHEATHING AND ORIENT THE PANELS VERTICALLY.

MASONRY SPECIFICATIONS:
MASONRY HAS BEEN DESIGNED IN ACCORDANCE WITH ACI 530-05, AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI301-05. GROUT SHALL BE IN ACCORDANCE WITH ASTM C476 WITH A MINIMUM OF 28 DAY COMPRESSIVE STRENGTH OF 2000 psi PER ASTM C1019. GROUT SHALL HAVE A MAXIMUM COURSE AGGREGATE SIZE OF 3/4" PLACED AT AN 8" TO 11" SLUMP. MORTAR SHALL CONFORM TO ASTM C270 AND TYPE M OR S. TYPE N MORTAR MAY BE USED IN BRICK VENEER. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ALL FLASHING.

CONCRETE MASONRY UNITS (CMU):
CMU SHALL BE IN ACCORDANCE WITH ASTM C90-75, HOLLOW LOAD-BEARING (CMU), TYPE 1, GRADE N-1, NORMAL WEIGHT, WITH A MINIMUM COMPRESSIVE STRENGTH OF 1900 psi (f'm=1500 psi). GROUT ALL CELLS CONTAINING VERTICAL REINFORCEMENT IN 5'-0" MAXIMUM LIFTS PROVIDE CLEANOUTS PER ACI 530.1-02 IN THE BOTTOM OF COURSE OF MASONRY WHEN THE WALL HEIGHT EXCEEDS 5'-0".

MASONRY STEM WALLS: ALL CONCRETE MASONRY UNITS SHALL BE COMPOSED OF ASTM C90, E GRADE N-1 HOLLOW CONCRETE MASONRY UNITS WITH TYPE "S" MORTAR. WALL COURSING SHALL BE RUNNING BONDS, STACK BOND SHALL NOT BE USED. GROUT ALL CELLS CONTAINING VERTICAL REINFORCEMENT WITH 3000 PSI FEA ROOF CONCRETE GROUT. SPLICES IN REINFORCING, WHERE PERMITTED, SHALL BE 48 BAR DIAMETERS. ALL EXTERIOR WALLS SHALL BE REINFORCED FULL HEIGHT WITH #4 @ 4'-0" O.C. MAX. AND AT EACH CORNER. WALL END, AND WALL INTERSECTIONS. PROVIDE CONTINUITY OF REINFORCING AT INTERSECTIONS OF PERPENDICULAR MASONRY ELEMENTS BY INSTALLING CORNER BARS, MINIMUM OF 40 BAR DIAMETERS INTO EACH ELEMENT. AT STEEWALL CONNECTIONS OF 5 OR MORE COURSES, PROVIDE HORIZONTAL JOINT REINFORCEMENT AT 1/2" O.C. VERTICALLY, (EVERY OTHER COURSE), AND VERTICAL REINF. SHALL BE INCREASED AS NOTED ON 1/51.0. UNLESS NOTED OTHERWISE, LAP JOINT REINFORCING SHALL BE A MINIMUM OF 6".

CONCRETE SPECIFICATIONS:
ALL CONCRETE HAS BEEN DESIGNED IN ACCORDANCE WITH ACI 318-08, AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI 301. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. CONCRETE AT GARAGE AND PORCH SLABS SHALL HAVE A COMPRESSIVE STRENGTH OF 3000 PSI.

GENERAL NOTES:
FOOTING AND FOUNDATIONS:
FOOTINGS AND FOUNDATIONS SHALL BE IN ACCORDANCE WITH LOCAL BUILDING CODES. FOOTING HAVE BEEN DESIGNED WITH A SOIL BEARING (DESIGN MAXIMUM) OF 2000 PSF. A SOILS INVESTIGATION REPORT IS RECOMMENDED TO VERIFY SUITABLE SUBSURFACE CONDITIONS. IF THE FOOTING ELEVATIONS SHOWN OCCUR IN A DISTURBED OR UNSTABLE SOIL, THE ENGINEER SHALL BE NOTIFIED. SOIL SHALL BE FREE OF ORGANIC MATERIAL AND COHESIVE (CLAY) SOILS. SOIL COMPACTION AND FILL SHALL BE COMPACTED TO A MIN. OF 95% MODIFIED PROCTOR IN ACCORDANCE WITH ASTM D 1557.

FOUNDATION PLAN ONLY CONVEYS STRUCTURAL INFORMATION. FOR GENERAL FEATURES, CONDUITS, ELECTRICAL EMBEDS, STEP HEIGHTS, ETC., SEE ARCHITECTURAL PLANS. DO NOT SCALE FOOTING DIMENSIONS AND LOCATION FROM THE FOUNDATION PLAN SHOWN ON S1.0. DO NOT DETERMINE FOOTING LOCATION BASED ON EITHER THE ARCHITECTURAL PLAN OR FRAMING PLAN, BUT BY DIMENSIONS PROVIDED ON FOUNDATION PLAN. IF FOOTING SIZE OR LOCATION IS NOT DETERMINED ON PLAN THEN CONTACT ENGINEER OF RECORD (EOR)

UNLESS OTHERWISE NOTED ON DRAWINGS, MINIMUM CONCRETE COVER FOR REINFORCING SHALL BE 3" IN FOOTINGS AND MESH SHALL BE CENTERED IN SLAB ON GRADE. IN ALL CONTINUOUS FOOTINGS PROVIDE #3 @ 48" O.C. OR ROD CHAIRS. PROVIDE CONTINUITY OF REINFORCING AT INTERSECTIONS OF PERPENDICULAR CONCRETE ELEMENTS BY INSTALLING CORNER BARS, MINIMUM OF 40 BAR DIAMETERS INTO EACH ELEMENT. SPLICES IN REINFORCING, WHERE PERMITTED, SHALL BE 48 BAR DIAMETERS

CONCRETE SLABS ON GRADE:
SLAB SHALL BE INSTALLED OVER MINIMUM 6 MIL POLYETHYLENE VAPOR RETARDER WITH JOINTS LAPPED 6" AND SEALED OVER CLEAN, COMPACTED EARTH OR FILL WITH APPROVED CHEMICAL SOIL TREATMENT FOR PREVENTION OF SUBTERRANEAN TERMITES. SAWCUTS FOR CONTROLLED CRACKING CUT A 1" SAWCUT INTO SLAB IN A 12"x12" GRID WITHIN 12 HOURS OF CONCRETE PLACEMENT, PROVIDE SAWCUTS THROUGH OUT SLAB CALL EOR FOR ALTERNATIVE METHODS.

WOOD FRAMING SPECIFICATIONS:
ALL WOOD FRAMING HAS BEEN DESIGNED IN ACCORDANCE WITH NATIONAL DESIGN SPECIFICATIONS (NDS) FOR WOOD CONSTRUCTION, LATEST EDITION. ALL WOOD MEMBERS EXPOSED TO WEATHER OR IN CONTACT WITH MASONRY, CONCRETE OR SOIL SHALL BE PRESURE-TREATED. IF A DOT OR UN- DOT DURATE PRESERVATIVE TREATMENT IS USED, ALL ATTACHED FASTENERS SHALL BE HOT DIPPED GALVANIZED. IF AZCA PRESERVATIVE IS USED, ALL ATTACHED FASTENERS SHALL BE STAINLESS STEEL.

PRE-ENGINEERED WOOD TRUSSES:
SHALL BEAR THE WEIGHT OF AN ENGINEER IN THE STATE WHERE PROJECT IS BEING BUILT AND SHALL COMPLY WITH NPFA, TPI, AND AITC 100. CONTRACTOR SHALL VERIFY THAT ADEQUATE TRUSS BEARING IS INSTALLED AT ALL TRUSSES AS INDICATED IN THE TRUSS SHOP DRAWINGS. ALL TRUSS-TO-TRUSS CONNECTIONS AND TRUSS PROFILES ARE THE RESPONSIBILITY OF THE DELEGATED TRUSS ENGINEER. ALL TRUSSES SHALL HAVE TEMPORARY BRACING FOR HANDLING, INSTALLING & BRACING METAL PLATE CONNECTED WOOD TRUSSES, BEB-91", AT MULTIPLE STRAP CONNECTIONS, SPREAD STRAPS TO AVOID NAILING CONFLICTS THROUGH TRUSS. WHEN USING (2) STRAPS ON SINGLE PLY TRUSSES, PLACE STRAPS DIAGONALLY ACROSS DBL. TOP PLATE FROM EA. OTHER.

ROOF COVERING SPECIFICATIONS:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF THE ROOF COVERING SYSTEM. ASPHALT SHINGLS SHALL COMPLY WITH ASTM D3161 AND BE INSTALLED ACCORDING TO THE MANUFACTURER'S REQUIREMENTS. CLAY AND TILE ROOFS SHALL BE INSTALLED PER THE "CONCRETE AND CLAY ROOF TILE INSTALLATION MANUAL" AND THE MANUFACTURER'S REQUIREMENTS. STANDING SEAM METAL ROOFS SHALL COMPLY WITH ASTM E1514 AND BE INSTALLED ACCORDING TO THE MANUFACTURER'S REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ALL METAL FLASHING AND VALLEY MATERIALS.

WATERPROOFING:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN/INSTALLATION OF ALL WATER PROOFING.

WOOD FASTENING SCHEDULE

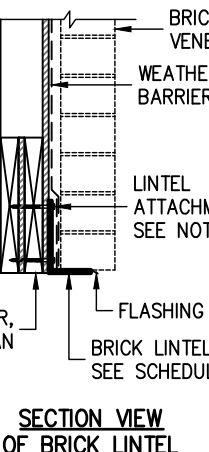
| MEMBERS | CONNECTION TYPE | FASTENER |
|--------------------------------|-----------------|---------------------------|
| TOP PLATE TO TOP PLATE | FACE NAIL | 2-GUN NAILS @ 12" STAG. |
| TOP PLATE, LAPS/INTERSECTION | FACE NAIL | (2-16d) 3-GUN NAILS |
| DBL. TOP PLATE TO INTERSECTION | FACE NAIL | (2-16d) 3-GUN NAILS |
| RIM JOIST TO TOP PLATE | TOE NAIL | (8d @ 6") GUN NAIL @ 6" |
| CEILING JOIST TO TOP PLATE | TOE NAIL | (3-8d) 5-GUN NAILS |
| CEILING JOIST, OVER PARTITIONS | FACE NAIL | (3-16d) 4-GUN NAILS |
| CEILING JOIST TO ROOF RAFTER | FACE NAIL | (6-16d) 8-GUN NAILS |
| JOIST/TRUSS TO PLATE | TOE NAIL | (2-16d) 3-GUN NAILS |
| RAFTER TO PLATE | TOE NAIL | (3-8d) 3-GUN NAILS |
| JACK RAFTER TO HIP | TOE NAIL | (3-10d) 4-GUN NAILS |
| ROOF RAFTER TO 2x... RIDGE BM. | TOE NAIL | (2-16d) 3-GUN NAILS |
| CONT. HEADER, TWO PIECES | FACE NAIL | 16d @ 16" O.C. @ EDGE |
| CONT. HEADER TO STUD | TOE NAIL | (3-16d) 4-GUN NAILS |
| STUD TO SOLE PLATE | TOE NAIL | (3-16d) 4-GUN NAILS |
| SOLE PLATE TO JOIST/BLOCKING | FACE NAIL | (16d @ 16") GUN NAIL @ 8" |

| NAIL SPECIFICATIONS | | |
|-----------------------------|----------------------------|--|
| 3"x0.131" = GUN NAILS | 2"x0.113" = RINK SHANK | |
| 2"x0.113" = 6d | 2 1/2"x0.131" = 8d | |
| 3"x0.148" = 10d | 3 1/2"x0.162" = 16d | |
| 1 1/2"x0.148" = 10d x1 1/2" | 1 1/2"x0.131" = 8d x1 1/2" | |

BRICK NOTES / LINTEL SCHD

| LINTEL DIMENSION | MIN. BRG. | MAX. SPAN |
|-----------------------|-----------|-----------|
| 1.3 1/2"x3 1/2"x 1/4" | 4" | 6'-0" |
| 1.4x3 1/2"x 1/4" | 6" | 8'-0" |
| 1.5x3 1/2"x 1/4" | 6" | 10'-0" |
| 1.6x3 1/2"x 1/4" | 6" | 12'-0" |
| 1.7x3 1/2"x 1/4" | 6" | 16'-0" |

- STEEL LINTELS TO BE MINIMAL 36" LINGTEL MUST HAVE CORROSION RESISTANT COATING OF EPOXY BASED PAINT.
- LINTEL MORE THAN 8'-0". SHOULD BE LATERALLY SUPPORTED NOT TO EXCEED 6 FT. O.C. w/ 2-1/4"x3" WD. SCREWS INTO 12" OF OPENINGS. PROVIDE 1/2" VERTICAL SLOTTED HOLE FOR SCREW.
- BRICK VENEER ATTACHMENT: HORIZONTAL TIES @ 24" O.C., VERT. TIES @ 12" O.C. (FOR 110mph WIND-ZONE VERT. TIES @ 16" O.C.). AT ALL OPENINGS SPACE TIES WITHIN 12" OF OPENINGS. PROVIDE 1/4" WEEP HOLES @ 33" O.C. IMMEDIATELY ABOVE FLASHING.



PLAN LEGEND AND ABBREVIATIONS

| | | |
|---|--|---|
| INTERIOR LOAD BEARING WALL GABLE X-BRACE, SEE DETAIL 10/SO.1 DESIGNATES SHEARWALL, THE HIDDEN LINE DESIGNATES SIDE OF WALL. SHEARWALL SHEATHING TO BE APPLIED. 8d @ 5/8" DESIGNATES BR COMMONS @ 3" O.C. EDGE & 6" O.C. "IN THE FIELD" SW 3/4" | BUILT-UP POST IN THE WALL (2)x8-1/2" HEADER SIZE, JACK AND KING STUD QUANTITY BRICK VENEER WEATHER BARRIER LINTEL ATTACHMENT SEE NOTE 2 FLASHING BRICK LINTEL SEE SCHEDULE | ADJ = ADJACENT BM = BEAM BOT = BOTTOM BRG = BEARING CMU = CONCRETE MASONRY UNIT DBL = DOUBLE DIA = DIAMETER EA = EACH EE = EACH END EOR = ENGINEER OF RECORD EQ = EQUAL EXT = EXTERIOR FBC = FLORIDA BUILDING CODE FDN = FOUNDATION FT = FOOT FTD = FOOTING HORIZ = HORIZONTAL VERT = Vertical WWF = Welded Wire Fabric |
|---|--|---|

USP CONNECTORS

| CONNECTOR | UPLIFT | | FASTENERS | FL# CODE |
|------------|--------|------|-------------------------|----------|
| | SYP | SPF | | |
| USP A35 | 450 | 450 | (9)10d x1 1/2" | |
| USP RT7 | 585 | 495 | (5)8d EA. END | |
| USP RT8A | 775 | 650 | (5)10d x1 1/2" EA. END | |
| USP MTW12 | 1195 | 860 | (7)10d x1 1/2" EA. END | |
| USP HTW20 | 1450 | 1245 | (12)10d x1 1/2" EA. END | |
| USP MSTA24 | 1640 | 1455 | (9)10d EA. END | |
| USP MSTA36 | 2065 | 2065 | (13)10d EA. END | |
| USP LTR208 | 1105 | 1105 | 1/2" x ROD TO FTG. | |
| USP JUS28 | 1205 | 1305 | (6)10d TO HEADER | |
| USP HTT16 | 4290 | 4290 | 3/4" x ROD TO FTG. | |
| USP HTT22 | 5370 | 5370 | 3/4" x ROD TO FTG. | |
| USP PAU44 | 2535 | | 3/4" x ROD w/ (12)16d | |
| USP PAU66 | 2535 | | 3/4" x ROD w/ (12)16d | |
| USP MSTM24 | 1545 | 1455 | (5)1/2" x2-1/4" TAPCONS | |

SIMPSON CONNECTORS

| CONNECTOR | UPLIFT | | FASTENERS | FL# CODE |
|-----------|--------|------|---------------------------|-----------|
| | SYP | SPF | | |
| A35 | 450 | 450 | 12--8d x1 1/2" | 10446.4 |
| H2.5T | 600 | 520 | 5--8d EA. END | 11478.3 |
| HTS16 | 1150 | 1085 | 16--10d EA. END | 10456.6 |
| MTS12 | 1000 | 860 | 7--10d x1 1/2" EA. END | 10456.3 |
| HTS20 | 1450 | 1245 | 24--10d x1 1/2" EA. END | 13872.3 |
| MSTA24 | 1765 | 1270 | 9--10d EA. END | 13872.4 |
| MSTA36 | 2050 | 1870 | 13--10d EA. END | 13872.8 |
| HTT4 | 3480 | 3080 | 18--16d TO TRUSS/BAM | 11496.2 |
| | | | 1--3/4" x ROD TO FTG. | |
| HTT5 | 5250 | 4670 | 32--16d TO TRUSS/BAM | 11496.2 |
| | | | 1--3/4" x ROD TO FTG. | |
| LHS28 | 930 | 780 | 6--10d TO HEADER | 10655.113 |
| | | | 4--10d TO JOIST | |
| HU410 | 905 | 785 | 14--16d TO HEADER | 10531.36 |
| | | | 6--16d TO JOIST | |
| ABU44 | 2200 | | 3/4" x ROD EPOKIED 6" MIN | 10849.6 |
| ABU66 | 2300 | | 3/4" x ROD EPOKIED 6" MIN | 10849.6 |
| SET | N/A | N/A | SIMPSON EPOXY-TIE | 11506.4 |
| LT7208 | 1675 | 1675 | 10--16d TO STUD/BEAM/POST | 11496.3 |
| LS1A12 | 805 | 695 | 10--10d | 13872.5 |
| CS16 | 1705 | 1705 | 13--8d | 10852.1 |

TYPICAL WALL FRAMING NOTES:

- USE SYP#2 OR BETTER FOR ALL WALL STUDS.
- USE SYP#2 FOR ALL TOP PLATES AND SOLE PLATES.
- USE SYP#2 FOR ALL HEADERS.
- ALL WALLS SHALL BE BALLOON FRAMED FULL HEIGHT TO ROOF OR FLOOR BEARING ELEVATION, U.O.N. ON PLAN.
- FASTEN BOTTOM PLATE OF INTERIOR LOAD BEARING WALLS TO CONCRETE SLAB w/10d MASONRY CUT NAILS @ 48" O.C. MINIMUM. SEE FOUNDATION PLAN ADDITIONAL ANCHORS AT SHEARWALLS.

TYPICAL STUD NAILING:
0.131x3" END NAILS:
(1) @ 24",
(2) @ 24",
(3) @ 24",
(4) @ 24".

TYPICAL HEADER NAILING:
0.131x3" TOE NAILS:
2x6, 2x8 = (5) NAILS
2x10, 2x12 = (7) NAILS
8" LVL, 11" LVL = (7) NAILS
14" LVL, 16" LVL = (9) NAILS

TYPICAL TOP PLATE NAILING:
FASTEN ALL TOP PLATES TOGETHER w/ (3) ROWS OF 1.31x3 @ 12" O.C. STAGGERED.

TYPICAL DOUBLE TOP PLATE SPACING:
4'-0" MIN. SPICE LENGTH w/ (16) 0.131x3" NAILS EVENLY

WINDOW SILL SCHEDULE

| ROUGH OPENING OR SILL PLATES | DROPPED HEAD | MINIMUM END |
|------------------------------|---------------|------------------|
| < 4'-4" | (1)2x4 SYP #2 | (4)12d TOE NAILS |
| < 6'-4" | (2)2x4 SYP #2 | (1)12d TOE NAILS |
| < 8'-4" | (3)2x4 SYP #2 | (1)12d TOE NAILS |
| < 12'-0" | (3)2x4 SYP #2 | (1)12d TOE NAILS |

ARCHED TRANSOM OPTION:
2x SYP DIAGONAL BLOCKING FASTENED w/ 3-0.131x3" EA. END TYPICAL SHEATHING MAY EXTEND 2" PAST BLOCKING-WINDOW ATTACHMENTS MUST ANCHOR INTO 2x MATERIAL.

AT TWO STORY CONDITIONS, PROVIDE SOLID BLOCKING WITHIN FLOOR SYSTEM AT ALL UPPER LEVEL POSTS & JACK STUDS.

SDWC15600 SCREW SEE 8/50.0.

SOLE PLATE ANCHOR: SEE SCHEDULE.

TYPICAL WALL FRAMING AT PLATE CHANGE CONDITION

TYPICAL WALL FRAMING AT RAISED HEADER CONDITION
BUILDER MAY CHOOSE EITHER THE DROPPED HEADER CONDITION OR RAISED HEADER CONDITION.

TYPICAL WALL FRAMING AT DROPPED HEADER CONDITION

SOLE PLATE ANCHOR OR HOLD DOWN.

BOUNDARY OF SHEATHING.
EXAMPLE OF PANEL EDGE w/ BLOCKING WHERE REQUIRED BY GENERAL NOTES.

EXAMPLE OF UNSUPPORTED (UNBLOCKED) PANEL EDGE (TYPICAL).

NAILING TO INTERMEDIATE SUPPORT IS 6" O.C. MAX. (UON).

ROOF TRUSSES, OR FLOOR JOISTS.

1 TYP. WALL SECTIONS

2 & 3 PLY BEAMS

14" LVL AND GREATER

5" < HEEL < 1'-0"

TYPICAL CONNECTION HEEL < 5"

5 KING STUD TO TOP PLATE:
SDWC15600 SCREW, NOT REQUIRED AT GABLE ENDS OR OPENINGS LESS THAN 4'-6"

TOP PLATE TO HEADER FASTENING:
SEE DETAIL AT RIGHT, NOT REQUIRED FOR GABLE ENDS.

6 BUILT-UP MEMBER FASTENING

7 FRAMED WALL CORNER AND INTERSECTIONS STUDS CONFIGURATIONS

8 TYPICAL HEADER STRAPPING

9 ROOF TRUSS CONNECTION

10 ROOF TRUSS CONNECTION

11 ROOF TRUSS CONNECTION

12 ROOF TRUSS CONNECTION

13 ROOF TRUSS CONNECTION

14 ROOF TRUSS CONNECTION

15 ROOF TRUSS CONNECTION

16 ROOF TRUSS CONNECTION

17 ROOF TRUSS CONNECTION

18 ROOF TRUSS CONNECTION

19 ROOF TRUSS CONNECTION

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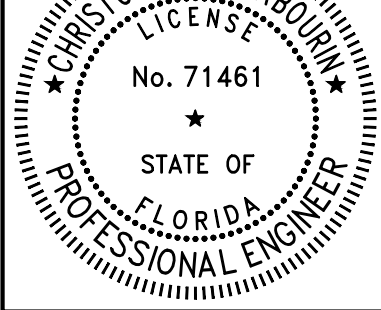
46 ROOF TRUSS CONNECTION

47 ROOF TRUSS CONNECTION

48 ROOF TRUSS CONNECTION

49 ROOF TRUSS CONNECTION

50 ROOF TRUSS CONNECTION



02.07.24
CHRISTOPHER J. SABOURIN
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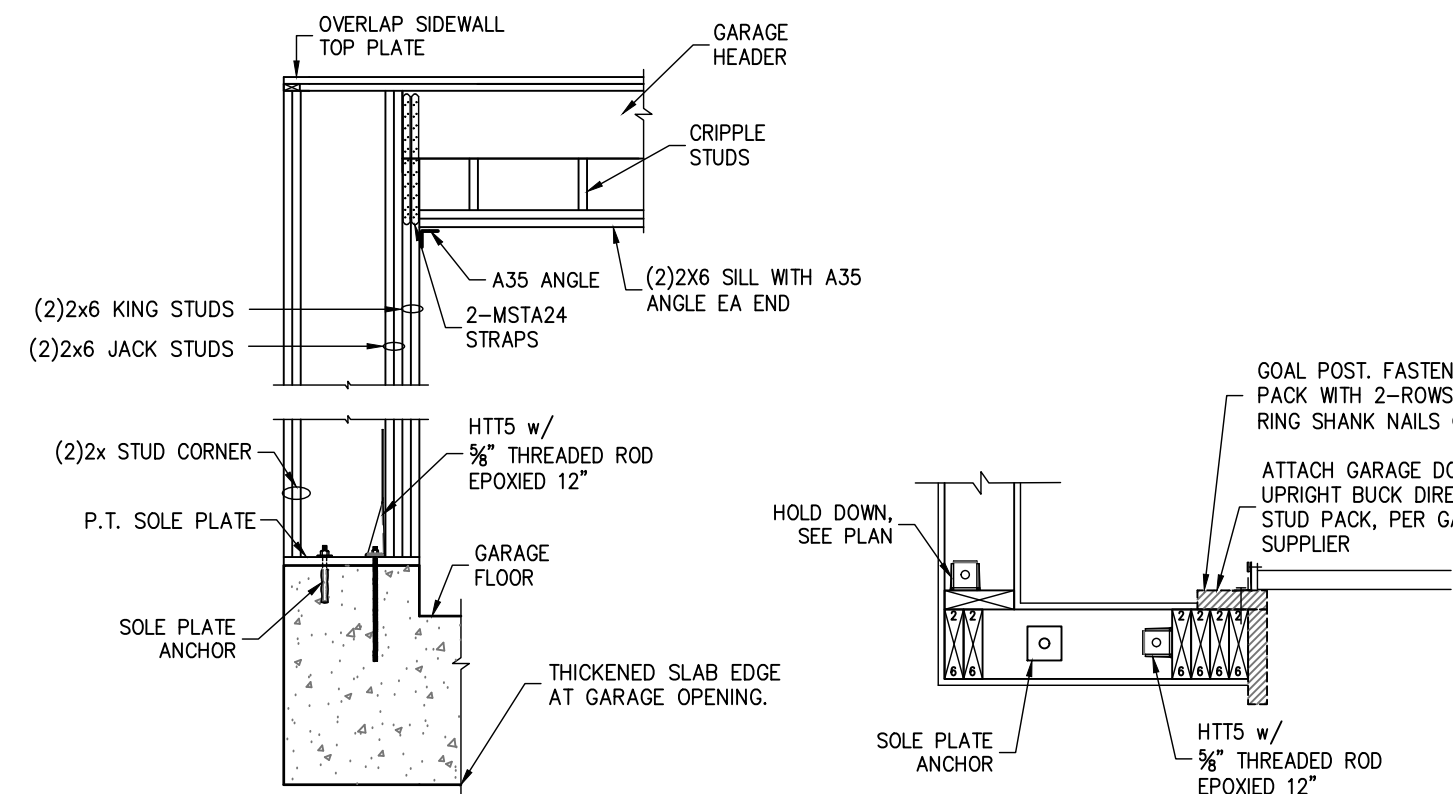
SABO
STRUCTURAL ENGINEERING
CA#32529
235 9TH AVE. N
JAX BEACH, FL 32250
904-712-5750
CHRIS@SABOENG.COM

| PLAN NAME | |
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| LIBBY RESIDENCE | |
| SSE NUMBER | |
| 23-0845 | |

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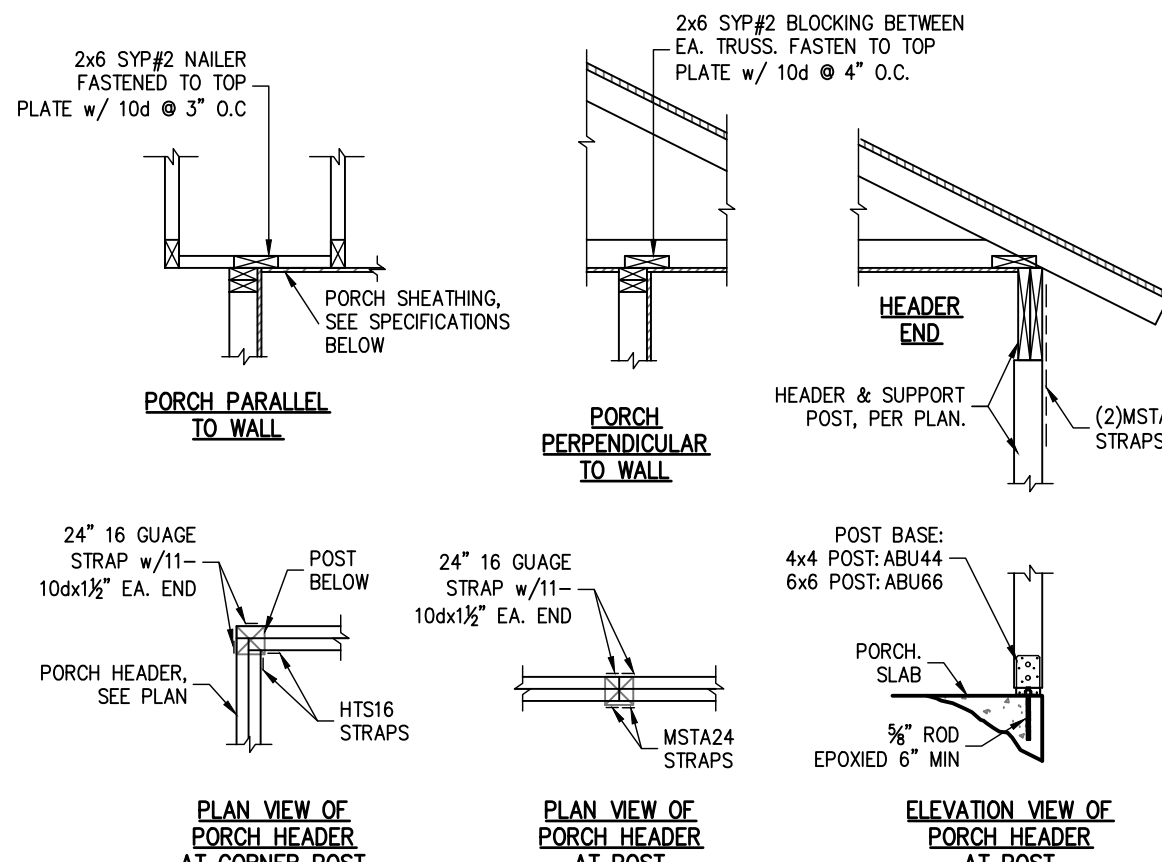
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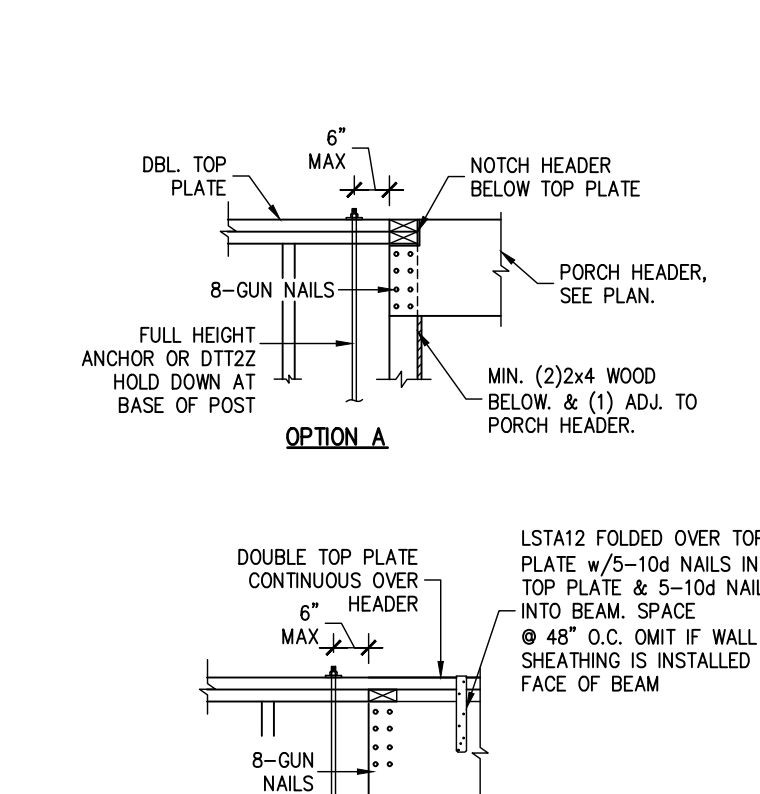


GARAGE WING WALL ELEVATION

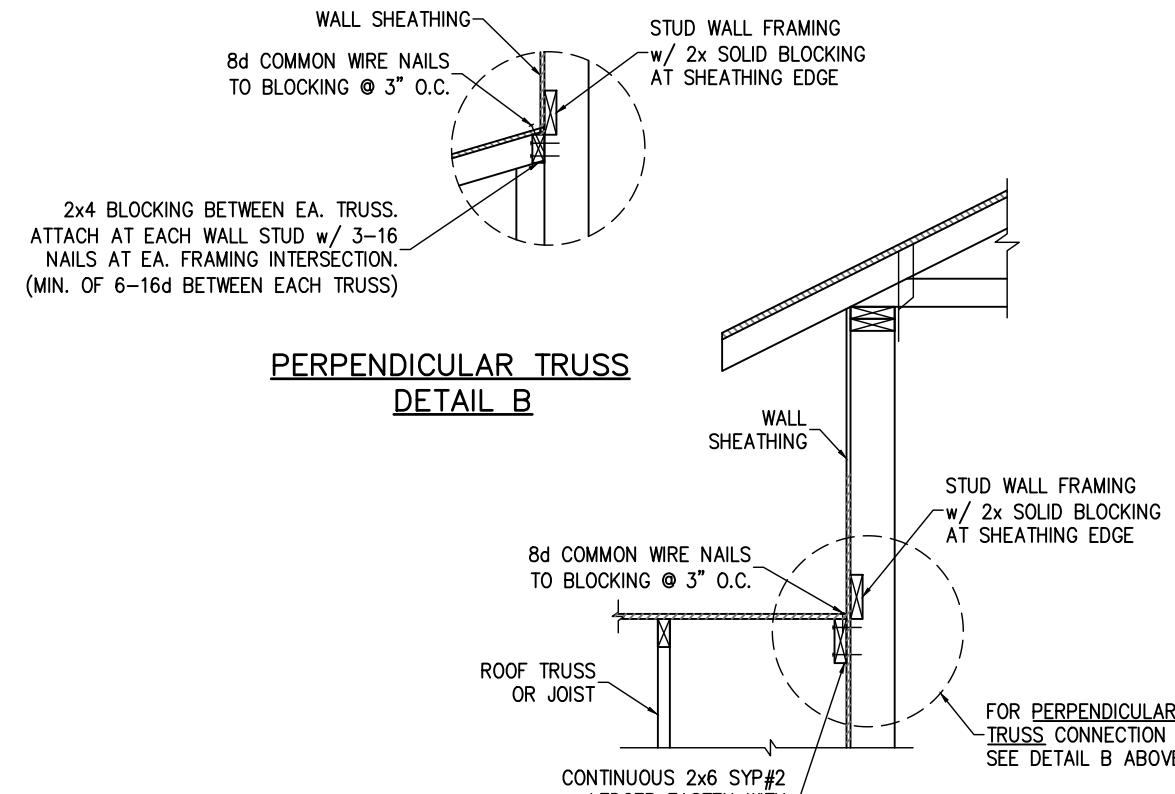
GARAGE WING WALL SECTION



TYPICAL PORCH FRAMING DETAILS



TYPICAL PORCH BEAM CONNECTION



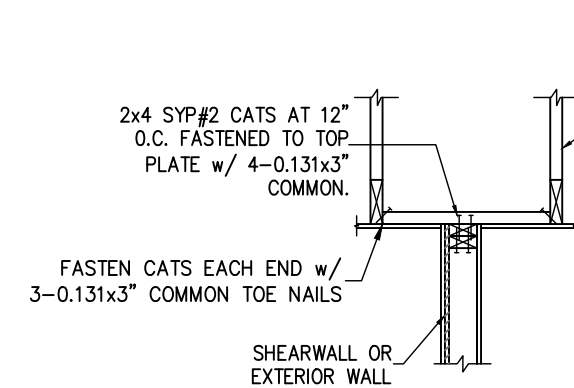
WALL ADJ. TO ROOF CONNECTION

GARAGE HEADER FRAMING
SCALE: N.T.S.

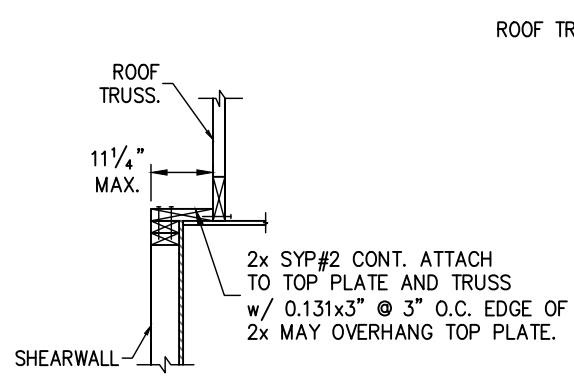
TYPICAL PORCH FRAMING DETAILS
SCALE: N.T.S.

TYPICAL PORCH BEAM CONNECTION
SCALE: N.T.S.

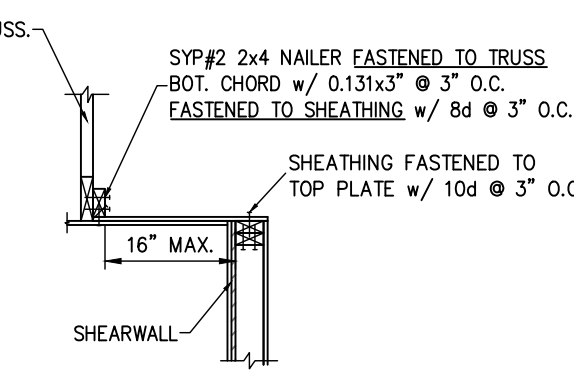
WALL ADJ. TO ROOF CONNECTION
SCALE: N.T.S.



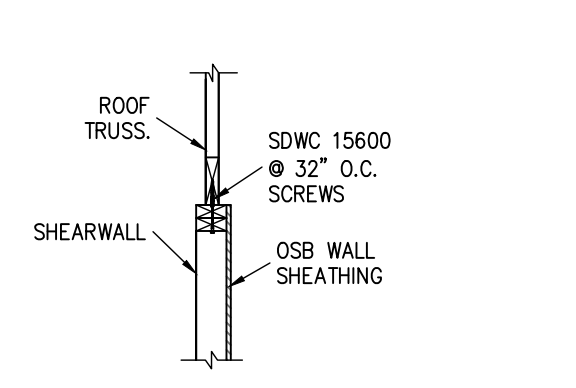
ALTERNATE A



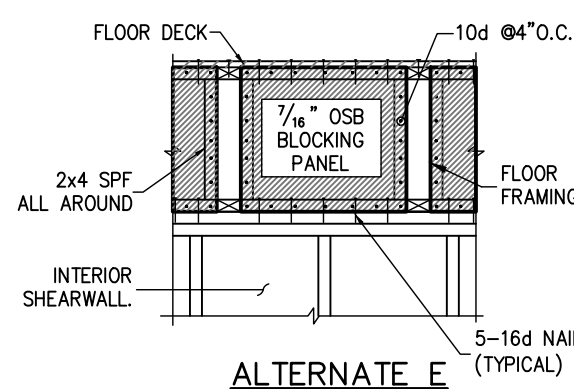
ALTERNATE B



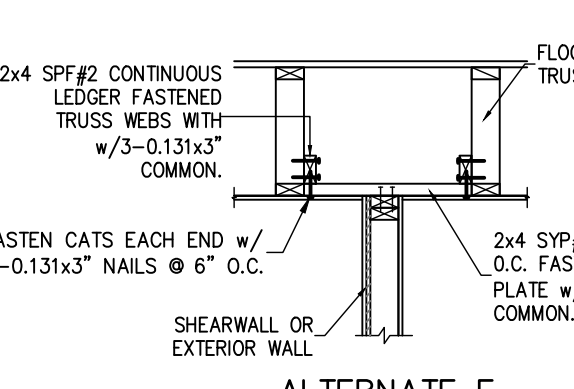
ALTERNATE C



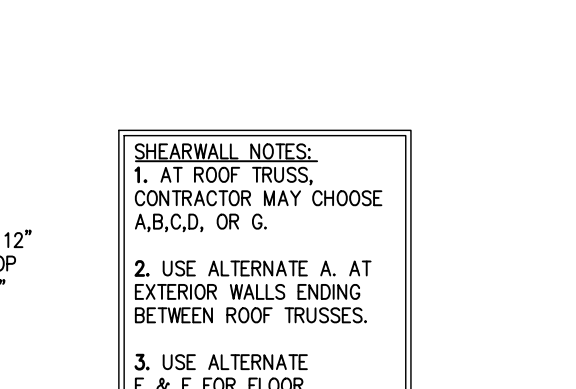
ALTERNATE D



ALTERNATE E



ALTERNATE F



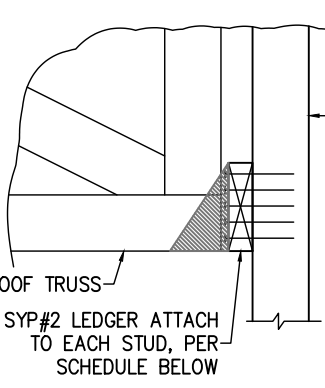
ALTERNATE G

SHEARWALL NOTES:
1. AT ROOF TRUSS, CONTRACTOR MAY CHOOSE A,B,C,D, OR G.
2. USE ALTERNATE A. AT EXTERIOR WALLS ENDING BETWEEN ROOF TRUSSES.
3. USE ALTERNATE E & F FOR FLOOR TRUSS ATTACHMENT

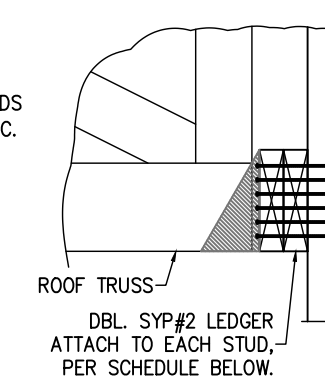
TYPICAL SHEARWALL ELEVATION

PROVIDE SOLID BLOCKING WITHIN FLOOR SYSTEM AT SW END POSTS.

SHEARWALL ATTACHMENT AT ROOF & FLOOR



A-SINGLE LEDGER



B-DOUBLE LEDGER

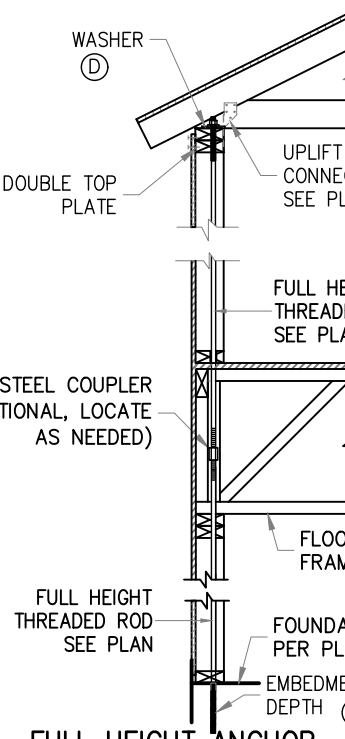
VERTICAL REACTION LEDGER SIZE & NAILING
0-775 2x6 w/ 5-0.131x3"
776-1250 2x8 w/ 8-0.131x3"
1251-1540 2x10 w/ 10-0.131x3"
1540-1850 2x12 w/ 12-0.131x3"

VERTICAL REACTION LEDGER SIZE & NAILING
1850-2345 2x8 w/ 6-1/4"x6" SDS SCREWS
2346-3125 2x12 w/ 8-1/4"x6" SDS SCREWS

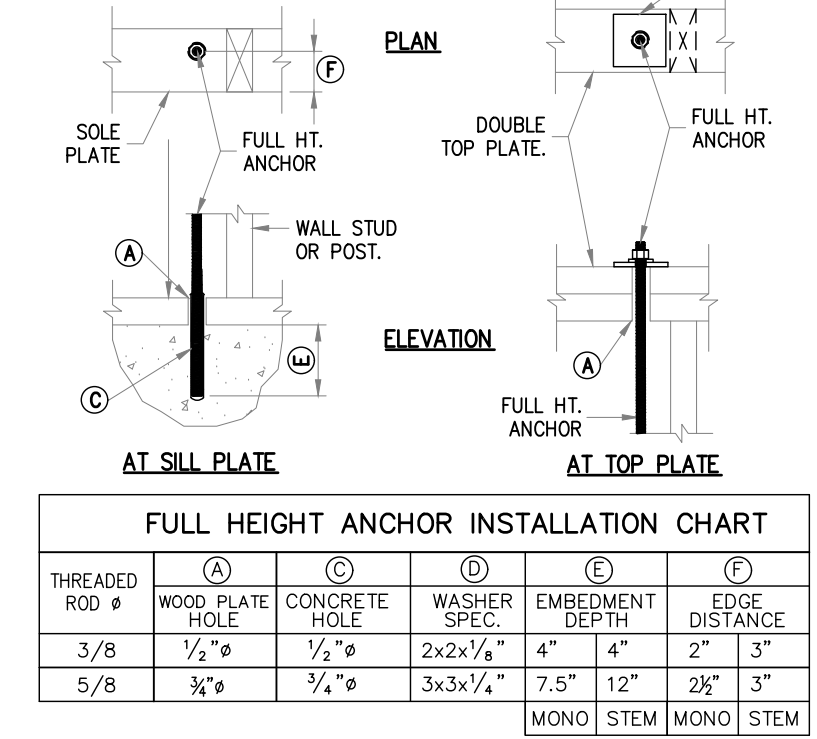
LEDGER A NOTES: WHERE A LEDGER IS INDICATED ON PLAN AND NO TRUSSES BEAR AT THAT LOCATION, THE LEDGER IS BEING USED TO ATTACH THE ADJACENT ROOF DECK. USE A 2x6 LEDGER PER NAILING SCHEDULE ABOVE. ATTACH ROOF DECK PER GENERAL NOTES.

LEDGER CONNECTION

DECK LEDGER AT OVERFRAME RAFTERS

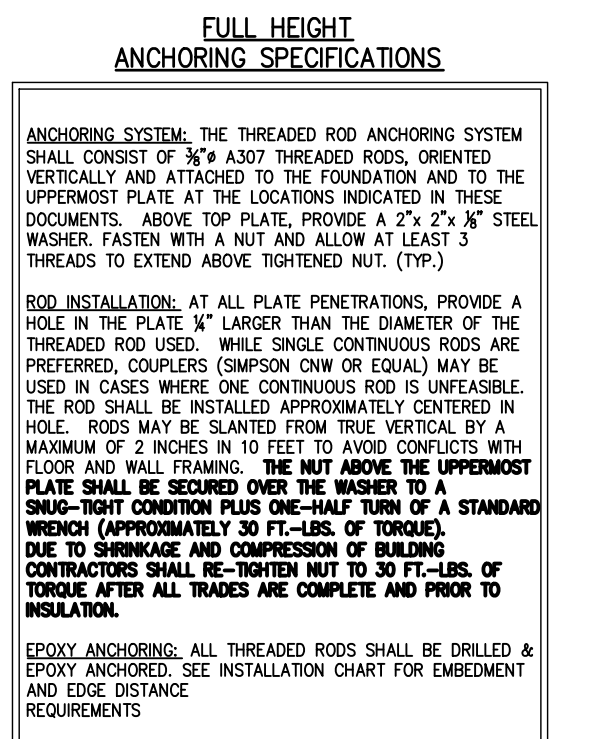


FULL HEIGHT ANCHOR WALL SECTION



| THREADED ROD # | (A) | (B) | (C) | (D) | (E) | (F) |
|----------------|-----------------|---------------|--------------|-----------------|---------------|-----|
| 3/8" | WOOD PLATE HOLE | CONCRETE HOLE | WASHER SPEC. | EMBEDMENT DEPTH | EDGE DISTANCE | |
| 1/2" | 1/2" | 1/2" | 2x2x1/2" | 4" | 2" | 3" |
| 5/8" | 3/4" | 3/4" | 3x3x1/2" | 7.5" | 12" | 26" |
| | | | | | | |

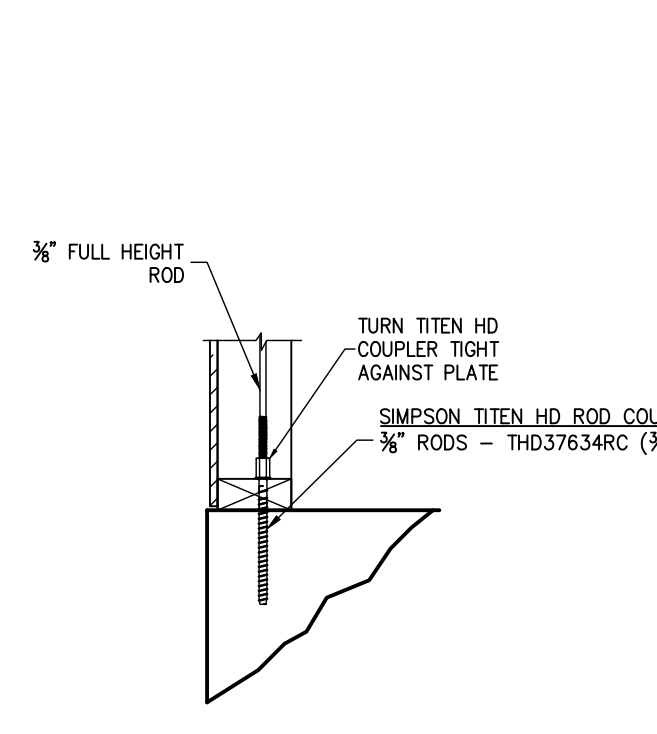
FULL HEIGHT ANCHOR INSTALLATION CHART



FULL HEIGHT ANCHOR INSTALLATION CHART

GABLE END BRACING

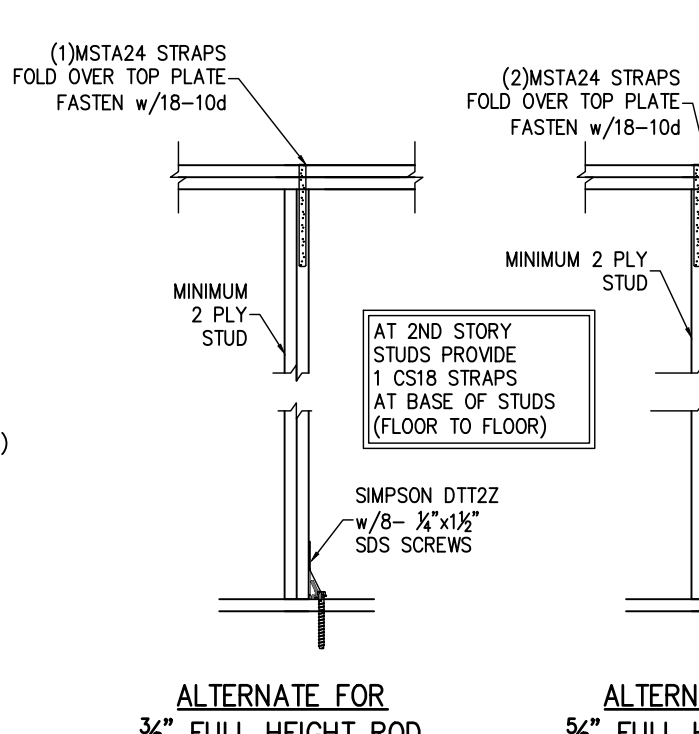
NOTES: 1. SPACE GABLE END BRACING @ 4'-6" MAX. 2. ALL MATERIAL TO BE SYP#2



3/8" FULL HEIGHT ROD ALTERNATE ATTACHMENT

PERMANENT TRUSS BRACING

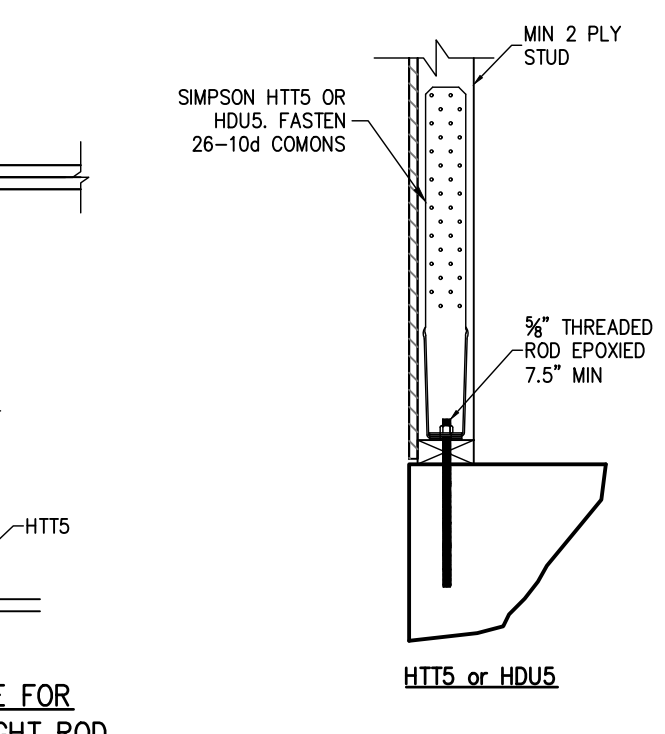
SCALE: 3/4" = 1'-0"



PERMANENT TRUSS BRACING

HOLD DOWN ATTACHMENT DETAIL

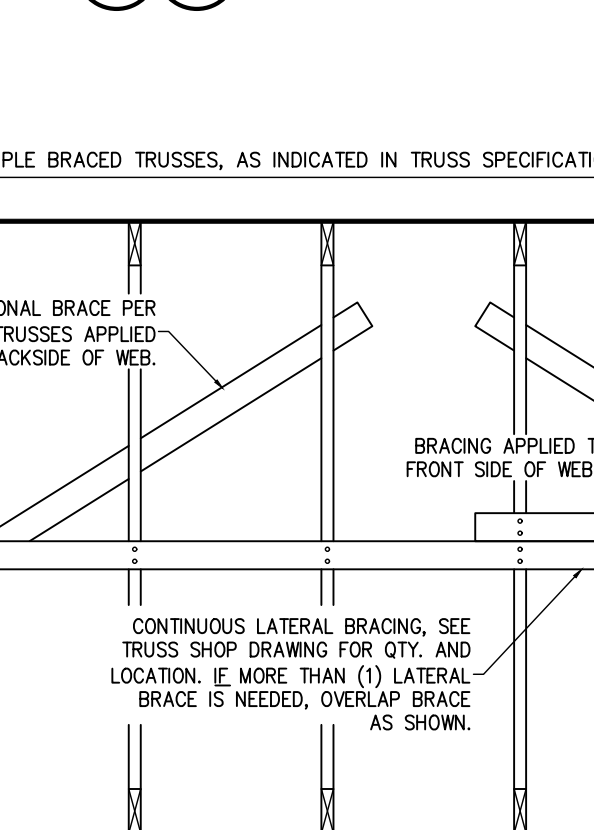
SCALE: 3/4" = 1'-0"



HOLD DOWN ATTACHMENT DETAIL

HEADER TIE DOWN

THIS DETAIL ONLY APPLIES WHEN NOTED ON PLAN



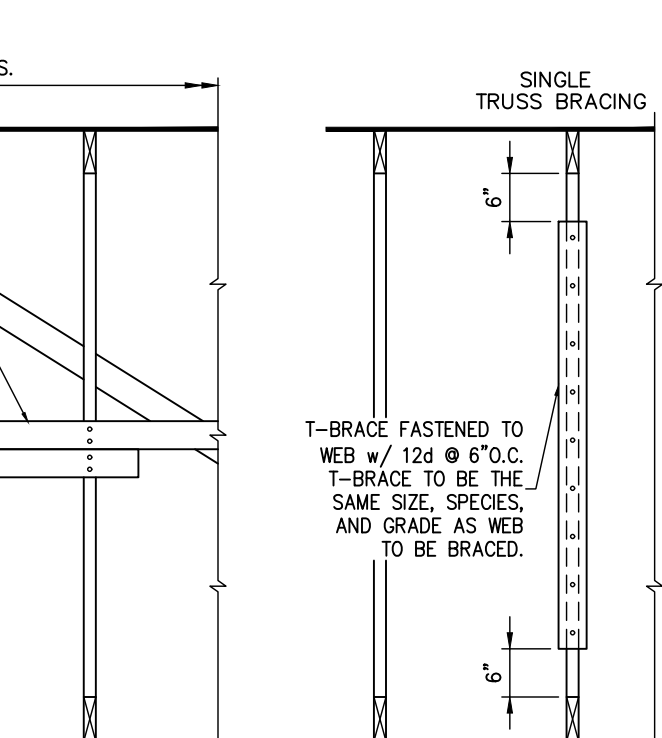
HEADER TIE DOWN

BRACING NOTES AND SPECIFICATIONS

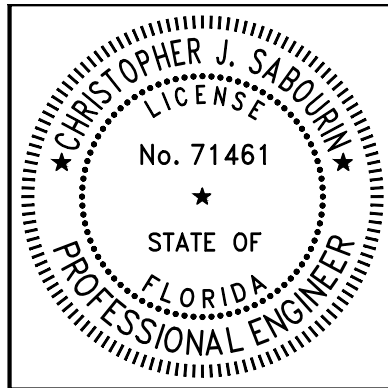
1) ALL BRACING LUMBER SHOWN, EXCEPT FOR T-BRACE SHALL BE 1x4 SYP#3 OR BETTER OR 2x4 SYP#2 OR BETTER. (U.O.N)

2) BRACING LUMBER SHALL INTERSECT THE WEB OF THE BRACED TRUSS, PER DELEGATED TRUSS ENGINEER

3) PERMANENT PERMANENT BRACING WHERE NOTED ON TRUSS MFR. SHOP DRAWINGS, THE CONTRACTOR SHALL PROVIDE 1x4 SYP#3 OR BETTER BOTTOM CHORD BRACING PERPENDICULAR TO TRUSS BOTTOM CHORDS AND ATTACHED TO EACH TRUSS WITH 2-8d COMMON NAILS. AT GABLE END WALLS PROVIDE DIAGONALS AT END WALLS PROVIDE DIAGONALS (APPROXIMATELY 45%) TO THE ADJACENT EXTERIOR PERPENDICULAR WALL BETWEEN EACH LINE OF BRACING TO FORM A ZIGZAG PATTERN. ALL CONSTRUCTED OF THE SAME BRACING MATERIAL. THIS REQUIREMENT IS NOT NECESSARY AT HP ROOFS. ALSO ALONG EXTERIOR WALLS PARALLEL TO BOTTOM CHORD BRACING PROVIDE DIAGONALS IN THE END SPACE BETWEEN THE WALL AND THE FIRST LINE OF BOTTOM CHORD BRACING AT A MAXIMUM SPACING OF 20 FEET.



BRACING NOTES AND SPECIFICATIONS



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STRUCTURAL ENGINEERING FOR THE LIBBY RESIDENCE

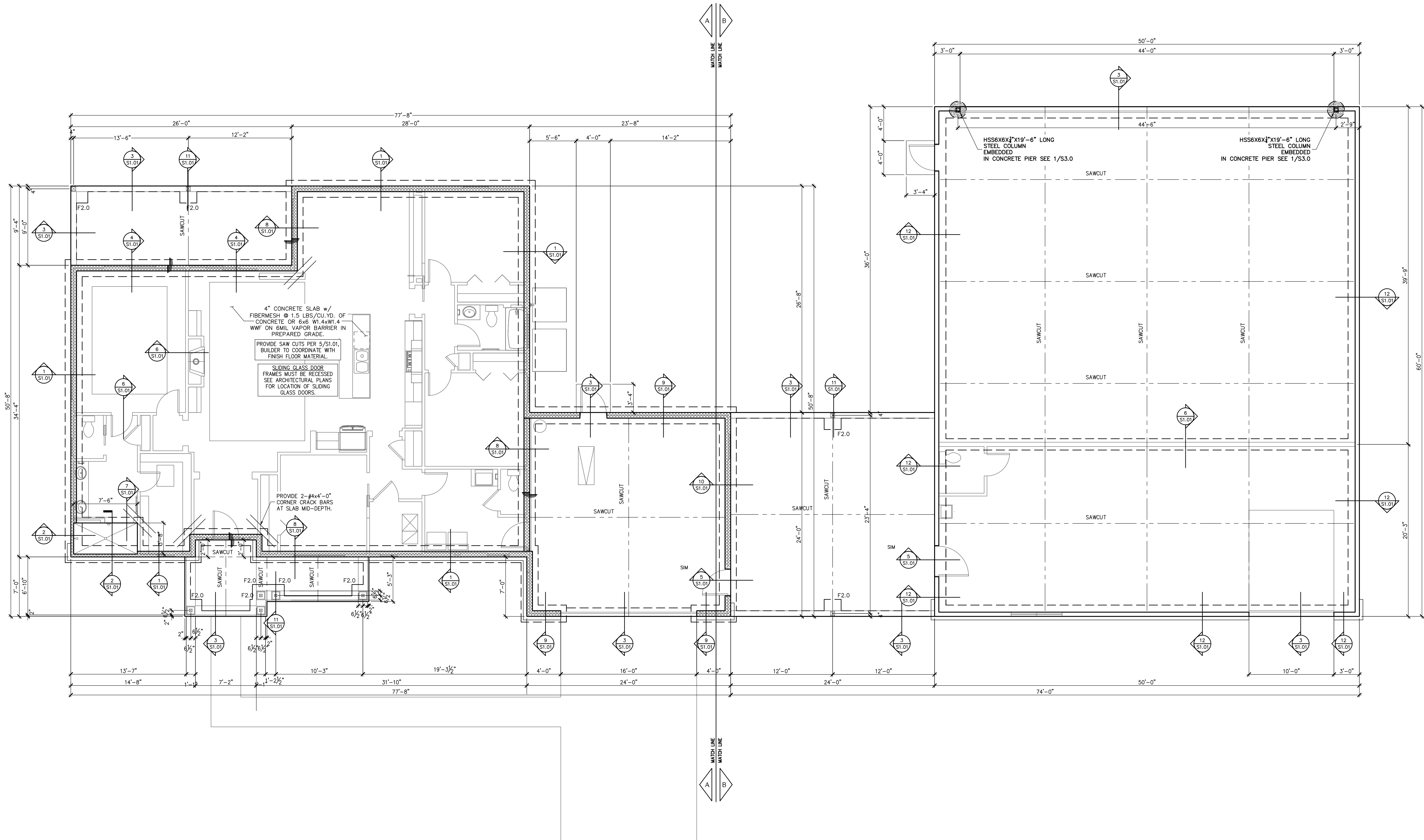
| PROJECT ENGINEER | |
|------------------|--|
| ROBERT D. | |

FIELD ALTERATION
CONTRACTOR SHALL CONTACT SABO STRUCTURAL ENGINEERING PRIOR TO MAKING ANY STRUCTURAL FIELD MODIFICATIONS WHICH MAY VARY FROM THE INTENT OF THE ORIGINAL CONSTRUCTION DOCUMENTS. ANY FIELD ALTERATIONS MADE PRIOR TO BEING APPROVED BY CHRISTOPHER SABOURIN MAY RESULT IN ADDITIONAL ENGINEERING OR INSPECTION FEES.

SCALING
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OVERALL FOUNDATION PLAN

SHEET
S1.0
SHEET 3 OF 13



FOUNDATION PLAN
SCALE: 3/16" = 1'-0"

FOUNDATION LEGEND

DESIGNATES SLAB EDGE LINE

DESIGNATES FOOTING LINE

DESIGNATES SAWCUT LINE

DESIGNATES STEMWALL

DESIGNATES SLAB STEP RECESS

FOOTING SCHEDULE

| TYPE | DEPTH | WIDTH | BOTTOM BARS |
|------|-------|-------------|-------------|
| F2.0 | 1'-0" | 2'-0"x2'-0" | (3) #5 EW |
| F2.5 | 1'-0" | 2'-6"x2'-6" | (3) #5 EW |
| F3.0 | 1'-0" | 3'-0"x3'-0" | (3) #5 EW |
| F3.5 | 1'-0" | 3'-6"x3'-6" | (4) #5 EW |
| F4.0 | 1'-4" | 4'-0"x4'-0" | (4) #5 EW |

GENERAL FOUNDATION NOTES

1. THIS FOUNDATION PLAN ONLY CONVEYS STRUCTURAL INFORMATION. SEE ARCH FOR DIMENSIONS

2. SEE GENERAL NOTES AND SPECIFICATIONS ON S0.0 FOR FEATURES NOT INCLUDED WITHIN THIS PLAN.

3. FOOTINGS AND FOUNDATIONS SHALL BE IN ACCORDANCE WITH LOCAL BUILDING CODES

4. SOIL COMPACTION AND FILL SHALL BE COMPACTED TO A MIN. OF 95% MODIFIED PROCTOR IN ACCORDANCE WITH ASTM D 1557.

CONTRACTOR TO VERIFY DIMENSIONS

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

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No. 71461

STATE OF

FLORIDA

PROFESSIONAL ENGINEER

02.07.24

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STRUCTURAL ENGINEERING FOR

THE LIBBY RESIDENCE

PROJECT ENGINEER

ROBERT D.

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PARTIAL

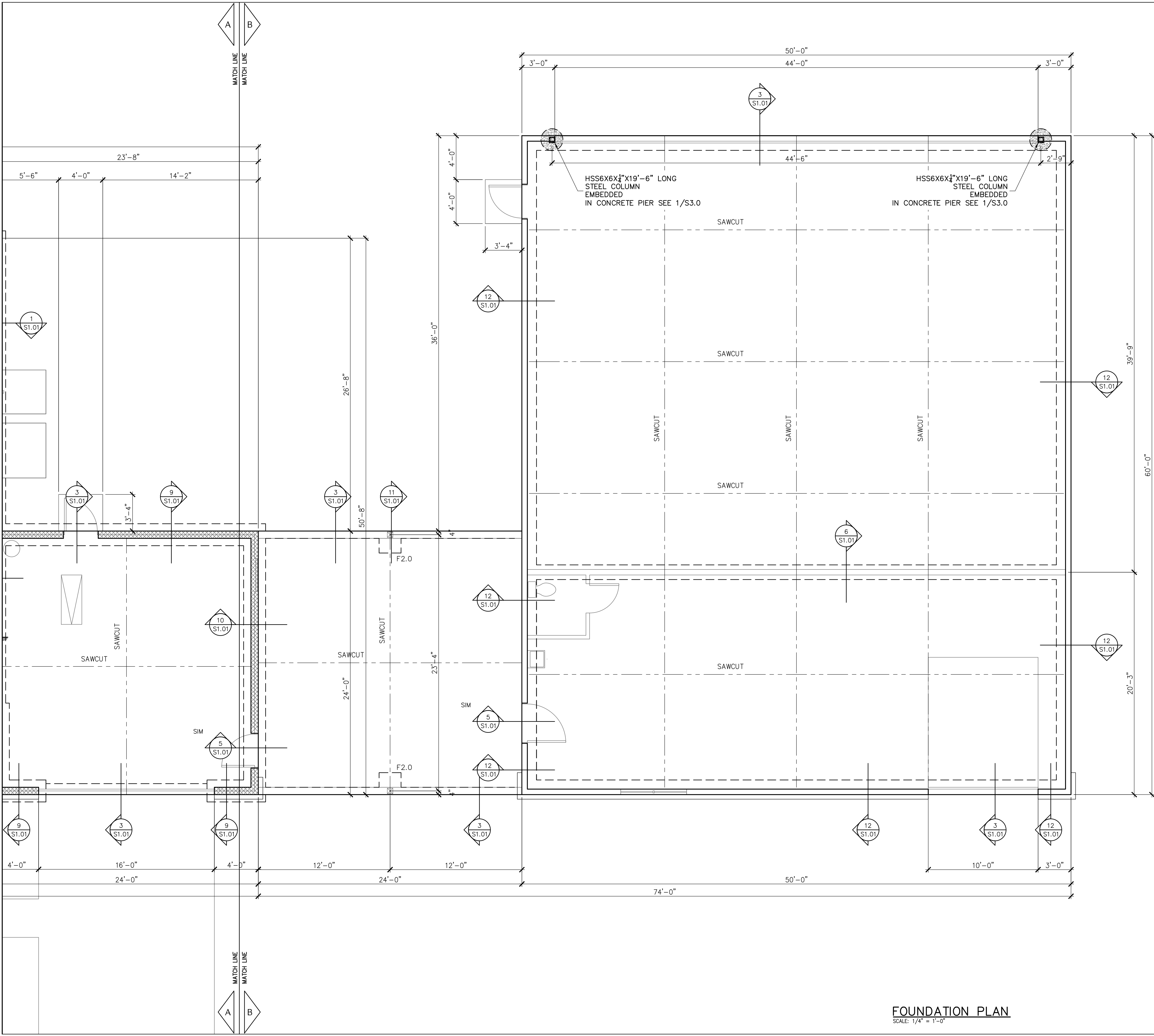
FOUNDATION

PLAN A

SHEET

S1.0A

SHEET 4 OF 13



FOUNDATION LEGEND

| | |
|--|-----------------------------|
| | DESIGNATES SLAB EDGE LINE |
| | DESIGNATES FOOTING LINE |
| | DESIGNATES SAWCUT LINE |
| | DESIGNATES STEMWALL |
| | DESIGNATES SLAB STEP RECESS |

FOOTING SCHEDULE

| TYPE | DEPTH | WIDTH | BOTTOM BARS |
|------|-------|-------------|-------------|
| F2.0 | 1'-0" | 2'-0"x2'-0" | (3) #5 EW |
| F2.5 | 1'-0" | 2'-6"x2'-6" | (3) #5 EW |
| F3.0 | 1'-0" | 3'-0"x3'-0" | (3) #5 EW |
| F3.5 | 1'-0" | 3'-6"x3'-6" | (4) #5 EW |
| F4.0 | 1'-4" | 4'-0"x4'-0" | (4) #5 EW |

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PROJECT ENGINEER

ROBERT D.

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PARTIAL

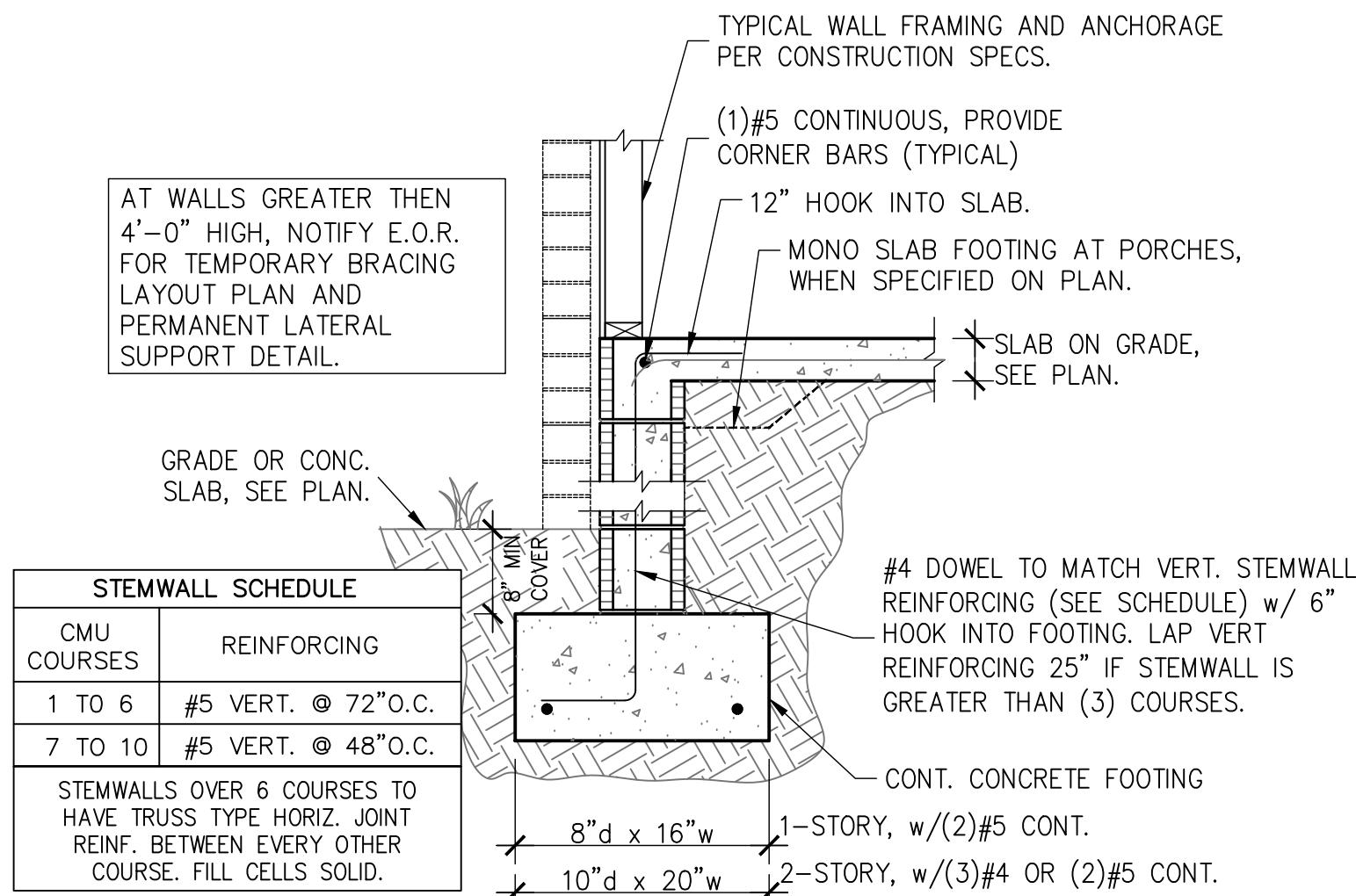
FOUNDATION

PLAN B

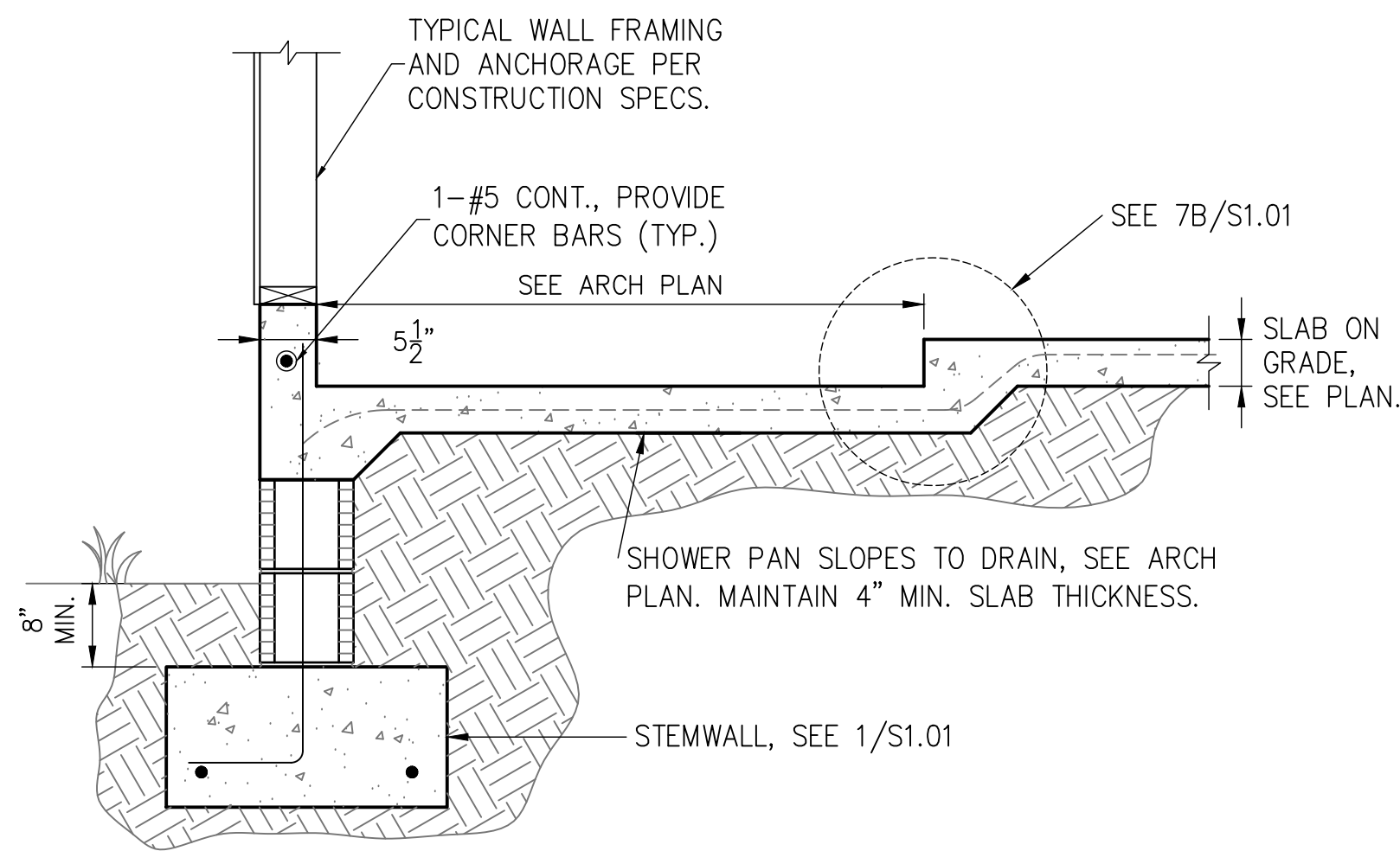
SHEET

S1.0B

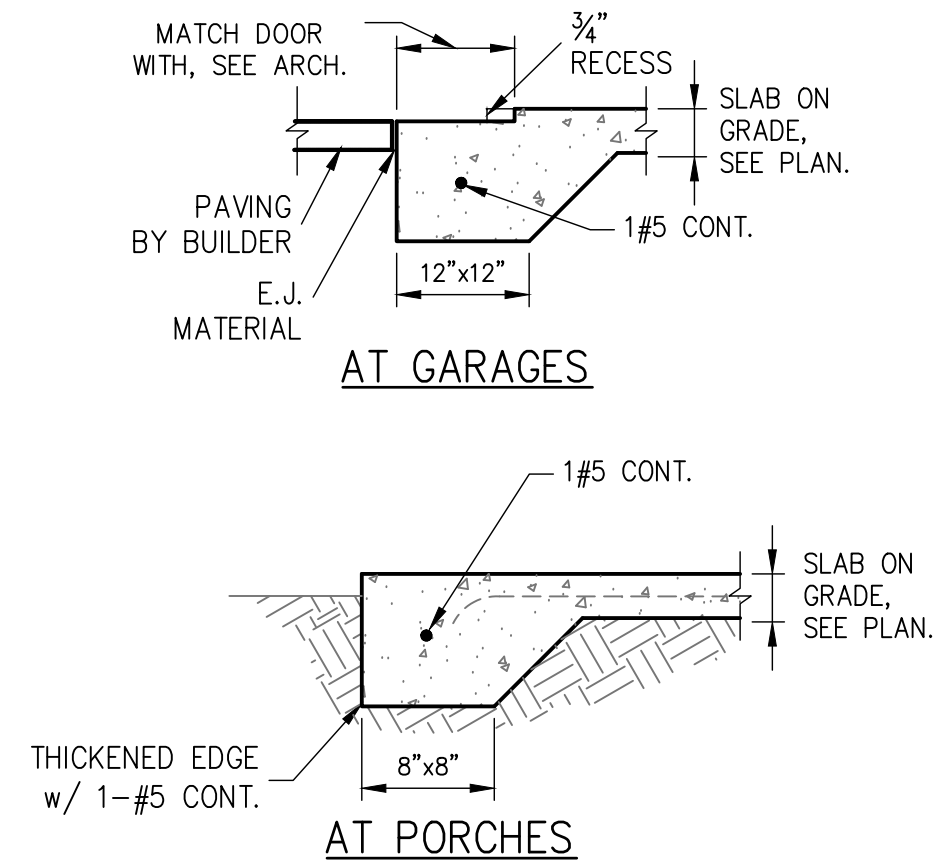
SHEET 5 OF 13



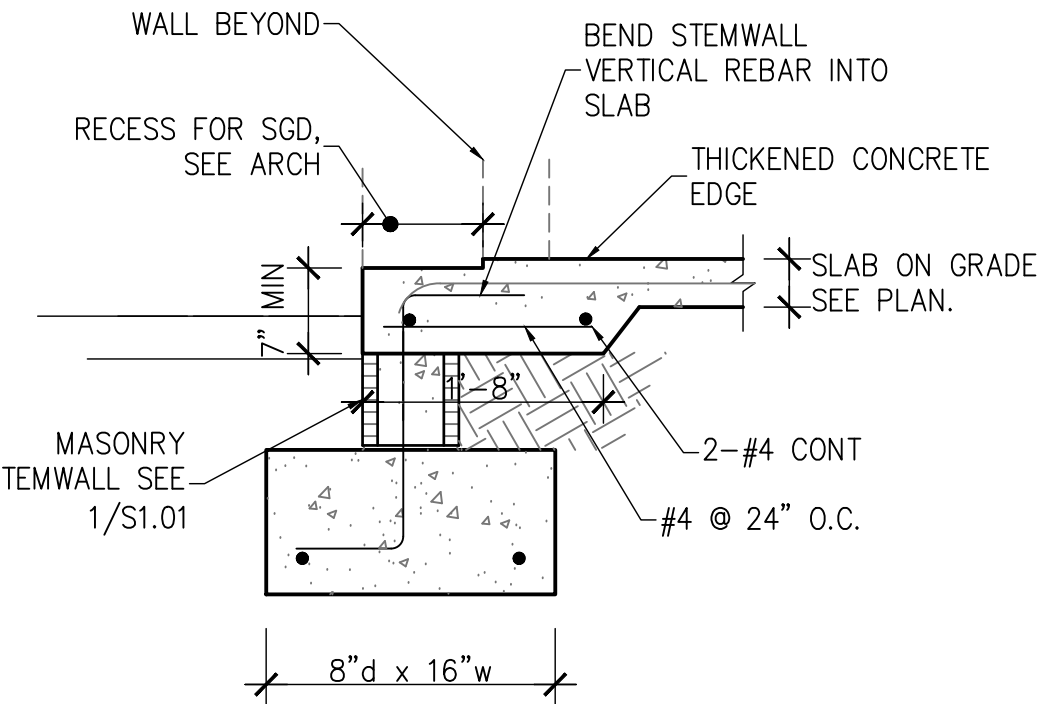
1 STEMWALL FOOTING
S1.01 SCALE: 3/4" = 1'-0"



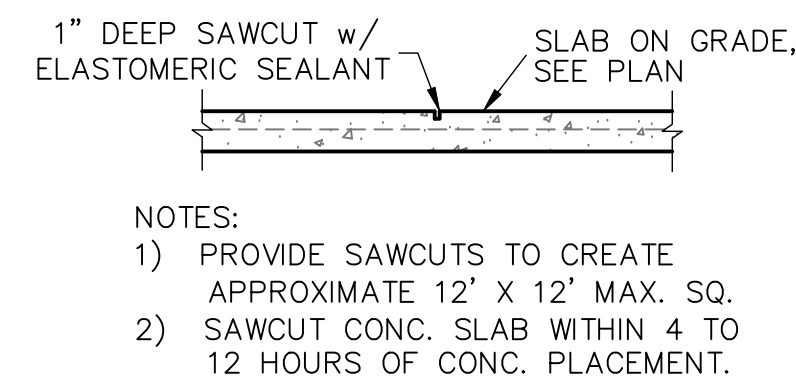
2 FOOTING W/ SHOWER RECESS
S1.01 SCALE: 3/4" = 1'-0"



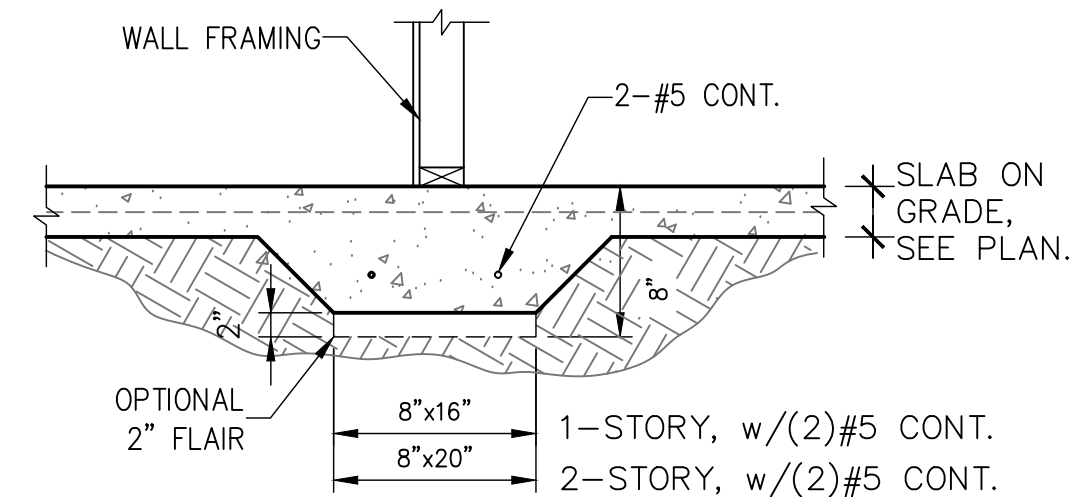
3 THICKENED SLAB
S1.01 SCALE: 3/4" = 1'-0"



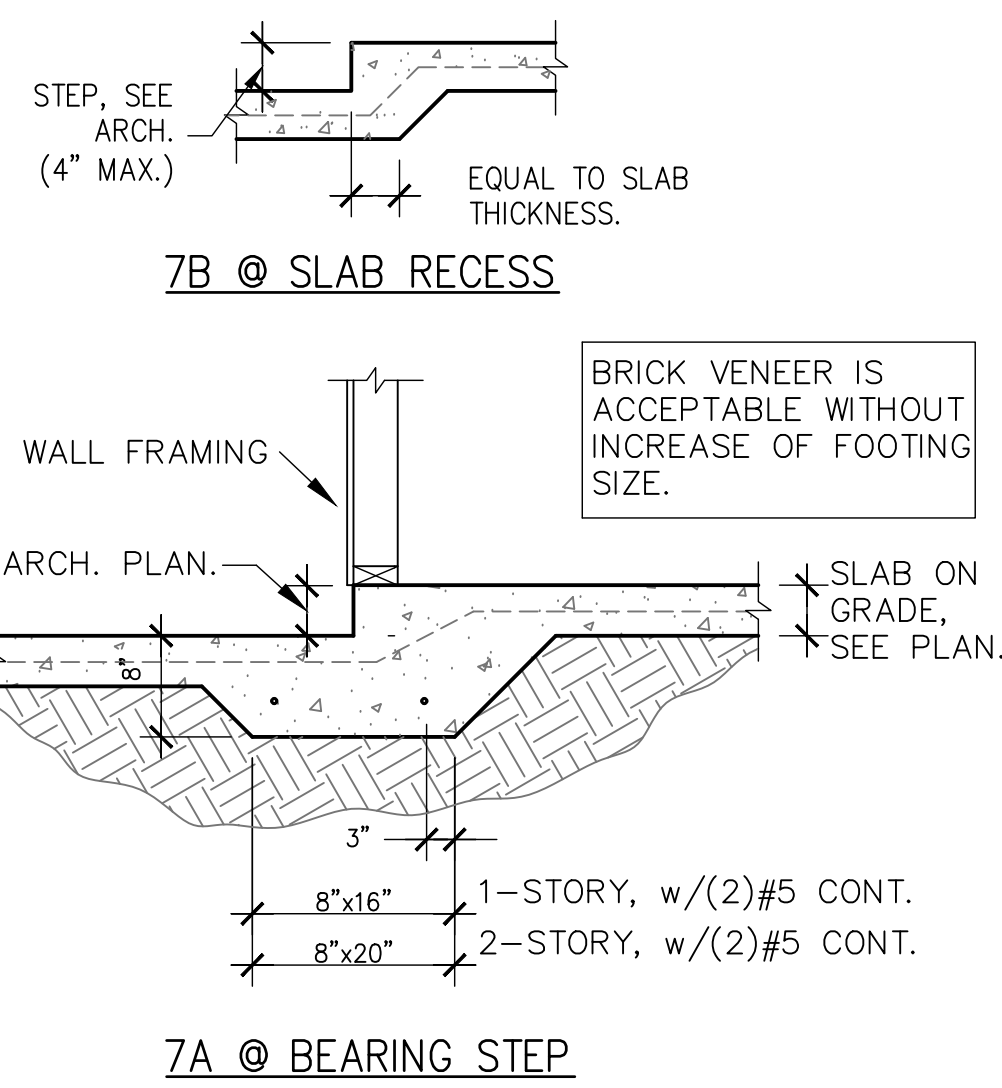
4 STEMWALL FOOTING AT SLIDER
S1.01 SCALE: 3/4" = 1'-0"



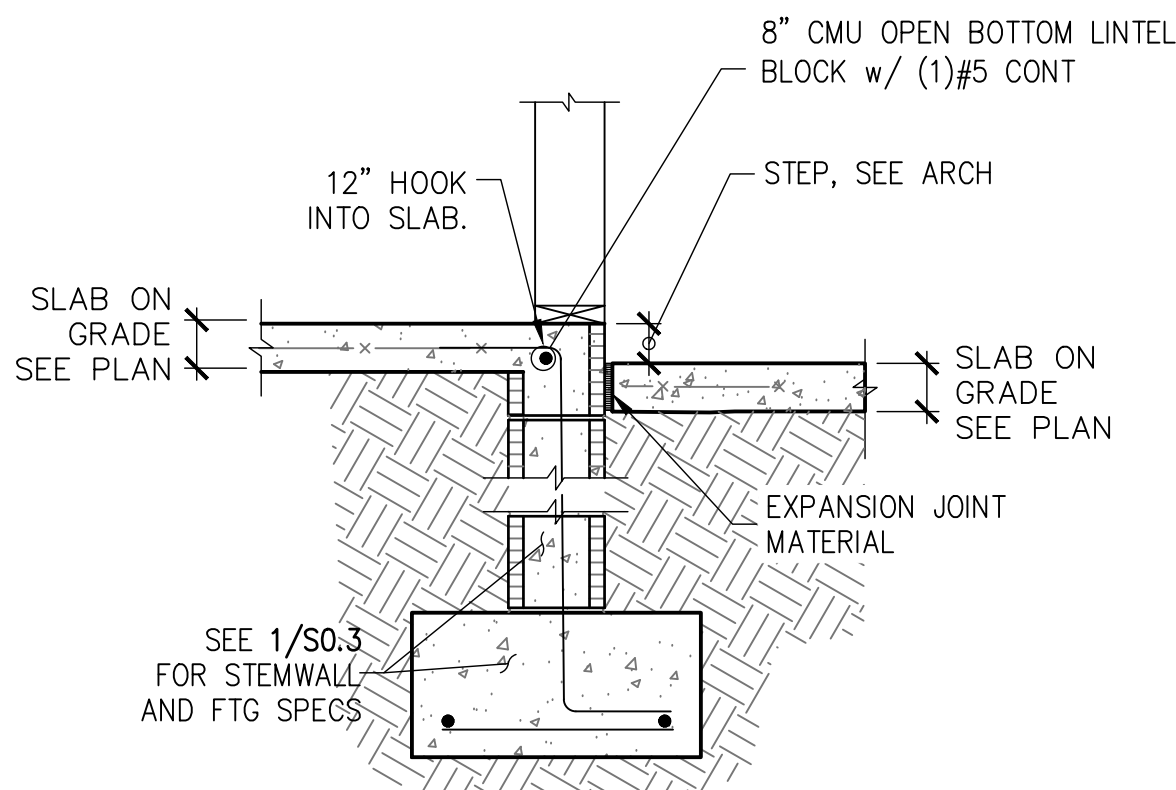
5 SAW CUT DETAIL
S1.01 SCALE: 3/4" = 1'-0"



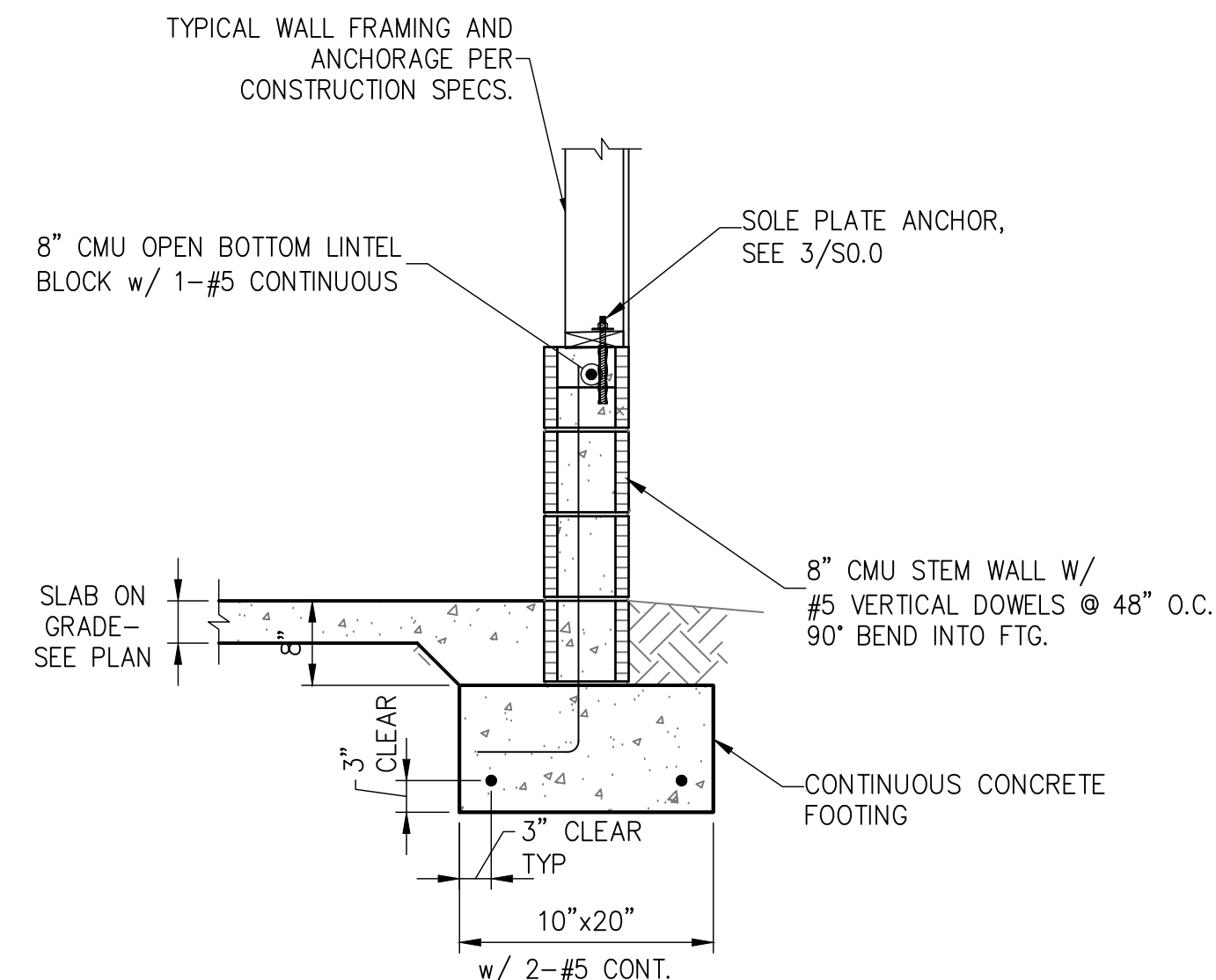
6 BEARING AT INTERIOR
S1.01 SCALE: 3/4" = 1'-0"



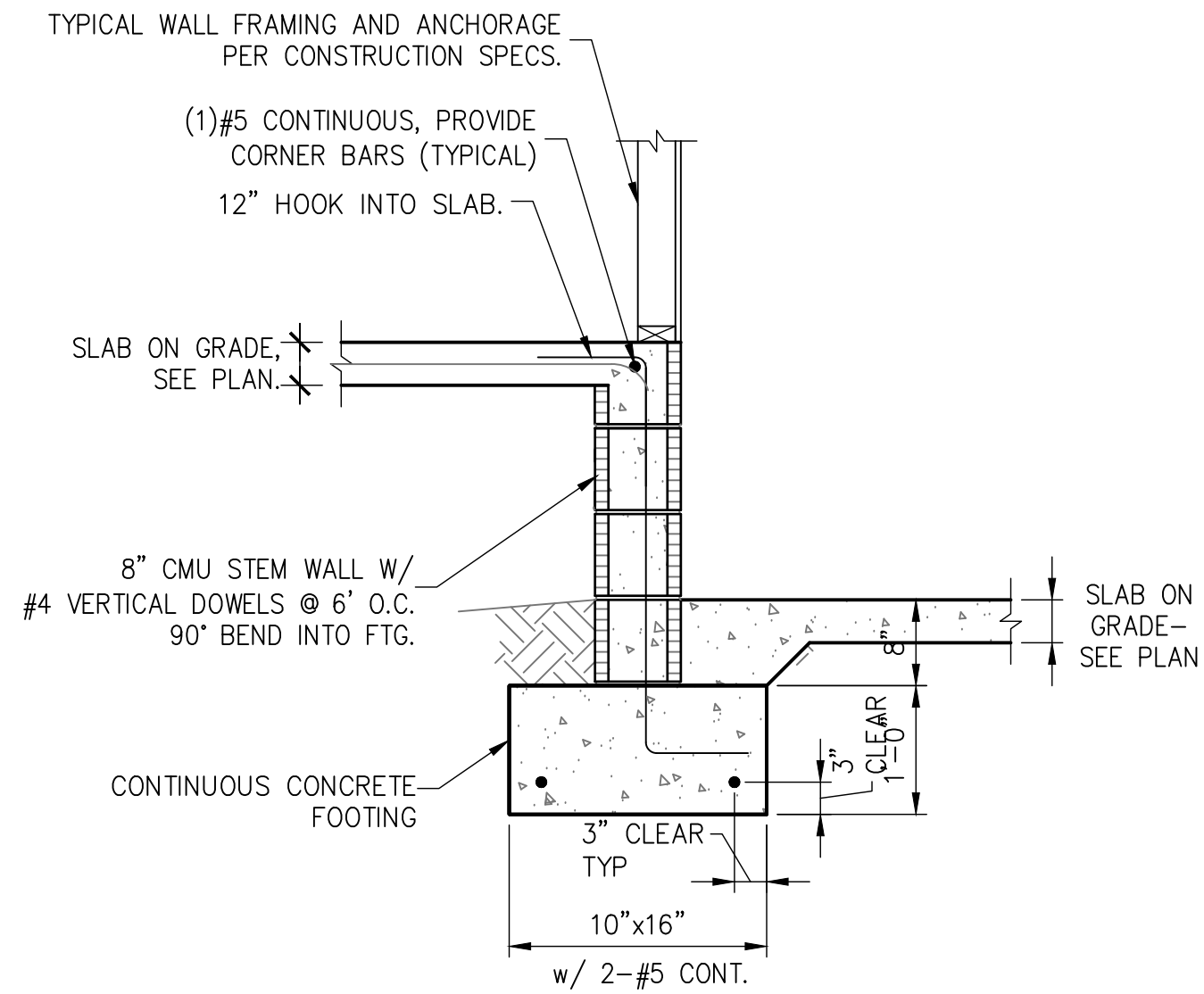
7 MONO. FOOTING AT STEP-DOWN
S1.01 SCALE: 3/4" = 1'-0"



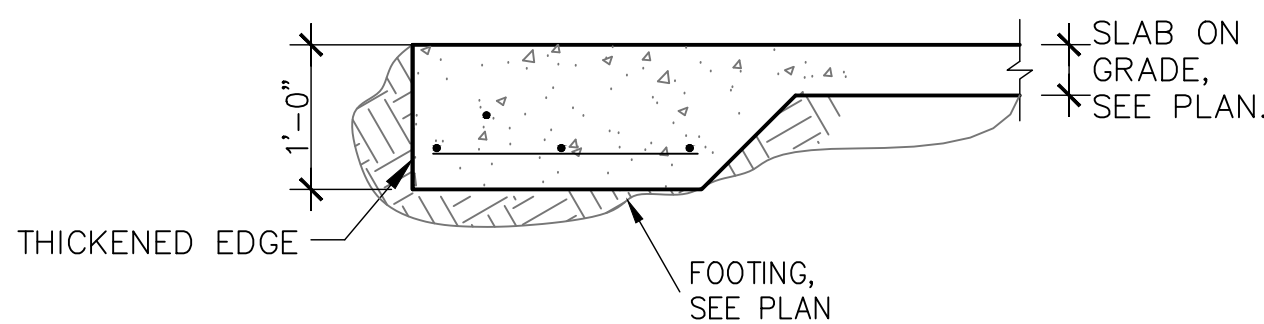
8 STEP AT STEMWALL
S1.01 SCALE: 3/4" = 1'-0"



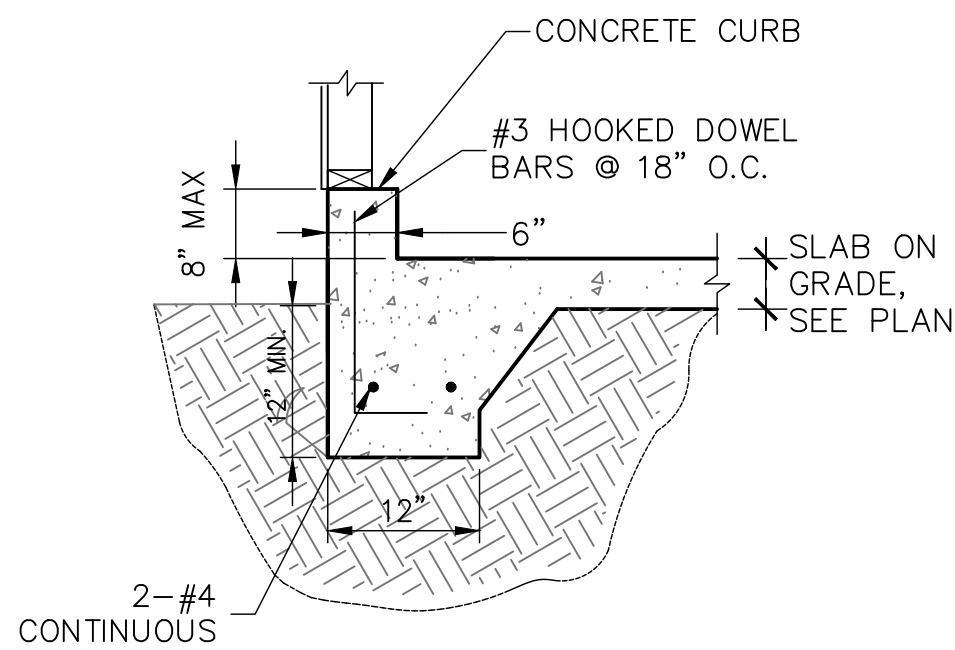
9 GARAGE STEM WALL
S1.01 SCALE: 3/4" = 1'-0"



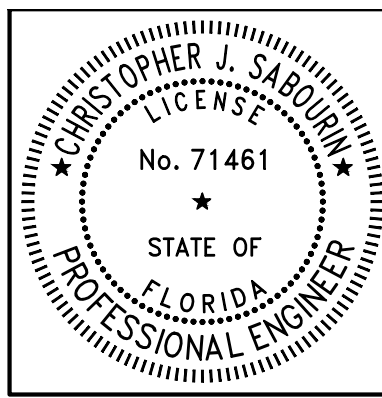
10 STEMWALL AT GARAGE
S1.01 SCALE: 3/4" = 1'-0"



11 PEDESTAL AT PORCH SLAB
S1.01



12 MONO FOOTING WITH CURB DETAILS
S1.01



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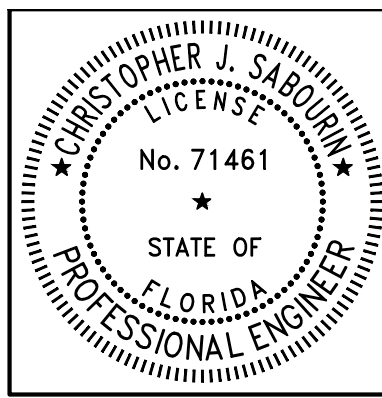
STRUCTURAL ENGINEERING FOR
THE LIBBY RESIDENCE

| PROJECT ENGINEER |
|------------------|
| ROBERT D. |

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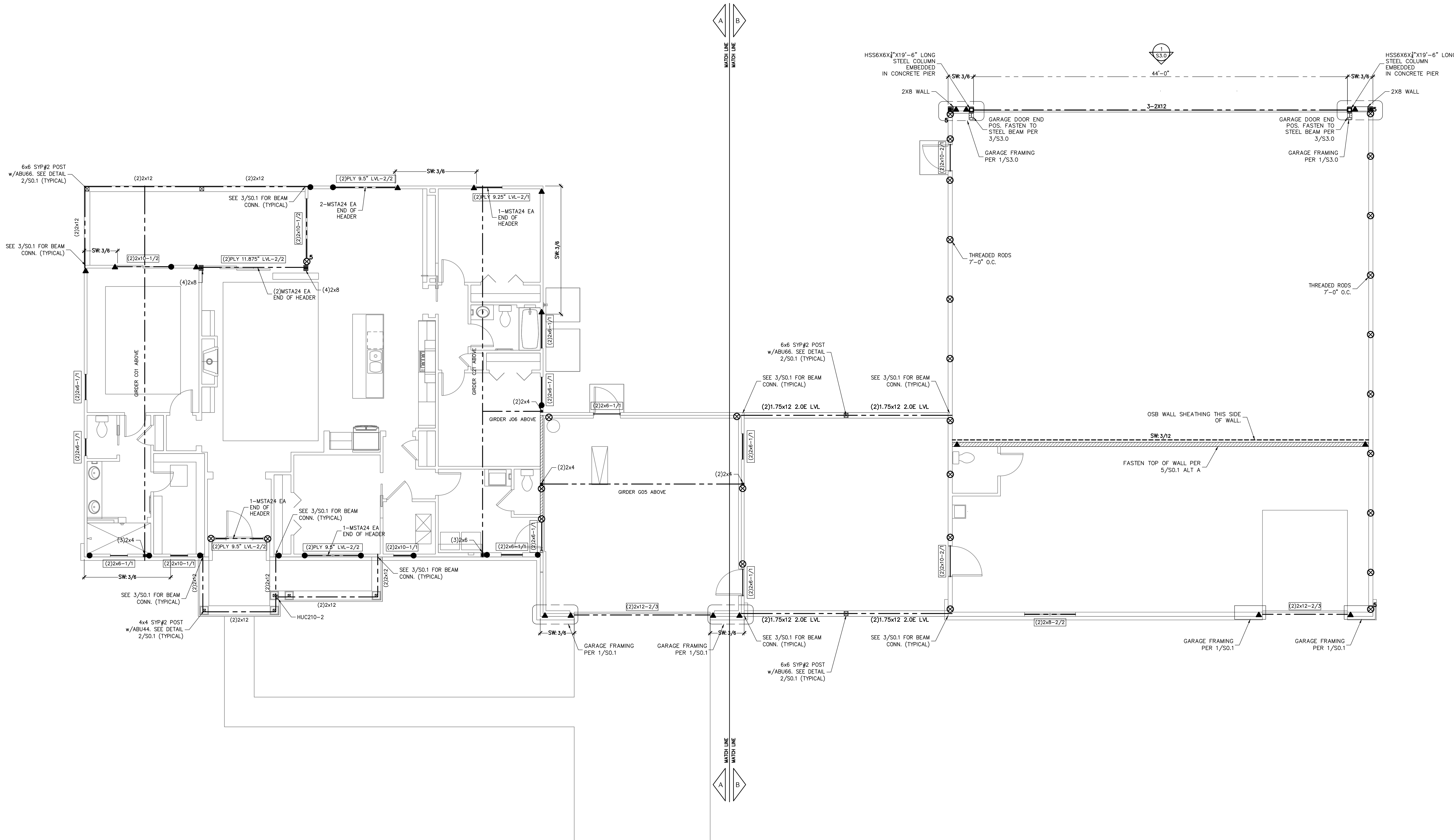
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OVERALL WALL FRAMING PLAN

SHEET
S1.1
SHEET 7 OF 13










FIRST LEVEL WALL FRAMING PLAN
SCALE: 3/16" = 1'-0"

SYMBOLS LEGEND

| | |
|---|---|
|  | <p>DESIGNATES OSB SHEARWALL. THE HIDDEN LINE DESIGNATES SIDE OF WALL THE SHEARWALL SHEATHING TO BE APPLIED. 8d Φ $\frac{1}{2}$ DESIGNATES 8d COMMONS @ 3" O.C. EDGE & 6" O.C. "IN THE FIELD"</p> |
| <p>(2)2x8-1/2</p> | <p>DESIGNATES THE HEADER SIZE, NUMBER OF PLYS & JACK/KING STUDS NEEDED FOR SUPPORT HEADER</p> |
|  | <p>BEAM OR TRUSS, SEE PLAN</p> |

ANCHOR LEGEND

| | |
|---|--|
|  | $\frac{3}{8}$ " A307 DIAMETER FULL HEIGHT THREADED ROD, SEE DETAIL 12/SO.1 |
|  | $\frac{3}{8}$ " A307 DIAMETER FULL HEIGHT THREADED ROD, SEE DETAIL 12/SO.1 |
|  | $\frac{3}{8}$ " A307 DIAMETER THREADED ROD TERMINATES AT FIRST FLOOR TOP PLATE, SEE DETAIL 12/SO.1 |
|  | $\frac{3}{8}$ " A307 DIAMETER THREADED ROD TERMINATES AT FIRST FLOOR TOP PLATE, SEE DETAIL 12/SO.1 |
|  | SIMPSON HT75 SEE DETAIL 15/SO.1 |
|  | SIMPSON DT22Z SEE DETAIL 15/SO.1 |
|  | SIMPSON LIT20B SEE DETAIL 15/SO.1 |

WALL STUD SCHEDULE

| LOCATION | PLATE HEIGHT | STUD SIZE & SPACING |
|----------|-----------------|--|
| EXTERIOR | 9"–1" MAX | 2x4 SPF#2 @ 16" O.C. |
| EXTERIOR | 10"–1" MAX | 2x6 SPF#2 @ 16" O.C. or 2x4 SPF#2 @ 12" O.C. |
| EXTERIOR | 10"–1 TO 14"–0" | 2x6 SPF#2 @ 16" O.C. |
| INTERIOR | 10"–0" MAX | 2x4 SPF#2 @ 16" O.C. |
| INTERIOR | 12"–0" MAX | 2x6 SPF#2 @ 16" O.C. or 2x4 SPF#2 @ 12" O.C. |

STUD NOTES:

- 1.) WALL STUDS SPECIFIED ON PLAN SUPERSEDE THIS TABLE
- 2.) MINIMUM STUD SIZE AND SPACING ARE SHOWN, CONTRACTOR MAY INCREASE STUD SIZE TO MEET ARCHITECTURAL REQUIREMENTS.
- 3.) SPF DENOTES SPRUCE PINE FIR. SYP DENOTES SOUTHERN YELLOW PINE.
- 4.) USE SYP#2 FOR ALL TOP PLATES AND SOLE PLATES.
- 5.) FASTEN BOTTOM PLATE OF INTERIOR LOAD BEARING WALLS TO CONCRETE SLAB W/16d MASONRY CUT NAILS @ 16" O.C. MINIMUM. SEE 3/50.0 FOR ADDITIONAL ANCHORS AT SHEARWALLS.


COMBINED USE PANEL NOTES

1. EXTERIOR WALL SHEATHING SHALL BE CONTINUOUS FROM BOTTOM PLATE TO UPPER MOST TOP PLATE. SEE DETAIL 1/SO.1 FOR SHEATHING SPLICE LOCATIONS FOR MULTI STORY CONDITIONS
2. SEE SHEET SO.0 FOR WALL SHEATHING SPECIFICATIONS.
3. UPPER MOST TOP PLATE SUPPORTING ROOF MEMBERS SHALL BE STRAPPED AS SHOWN IN DETAIL 1/SO.0
4. INSTALL SOLE PLATE ANCHORS PER DETAIL 3/SO.0

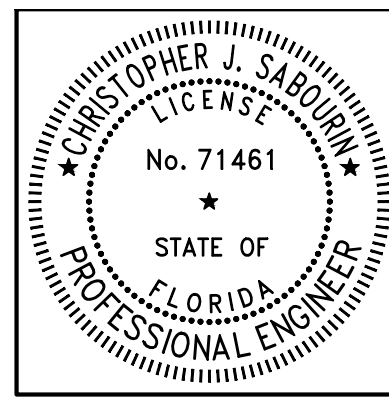
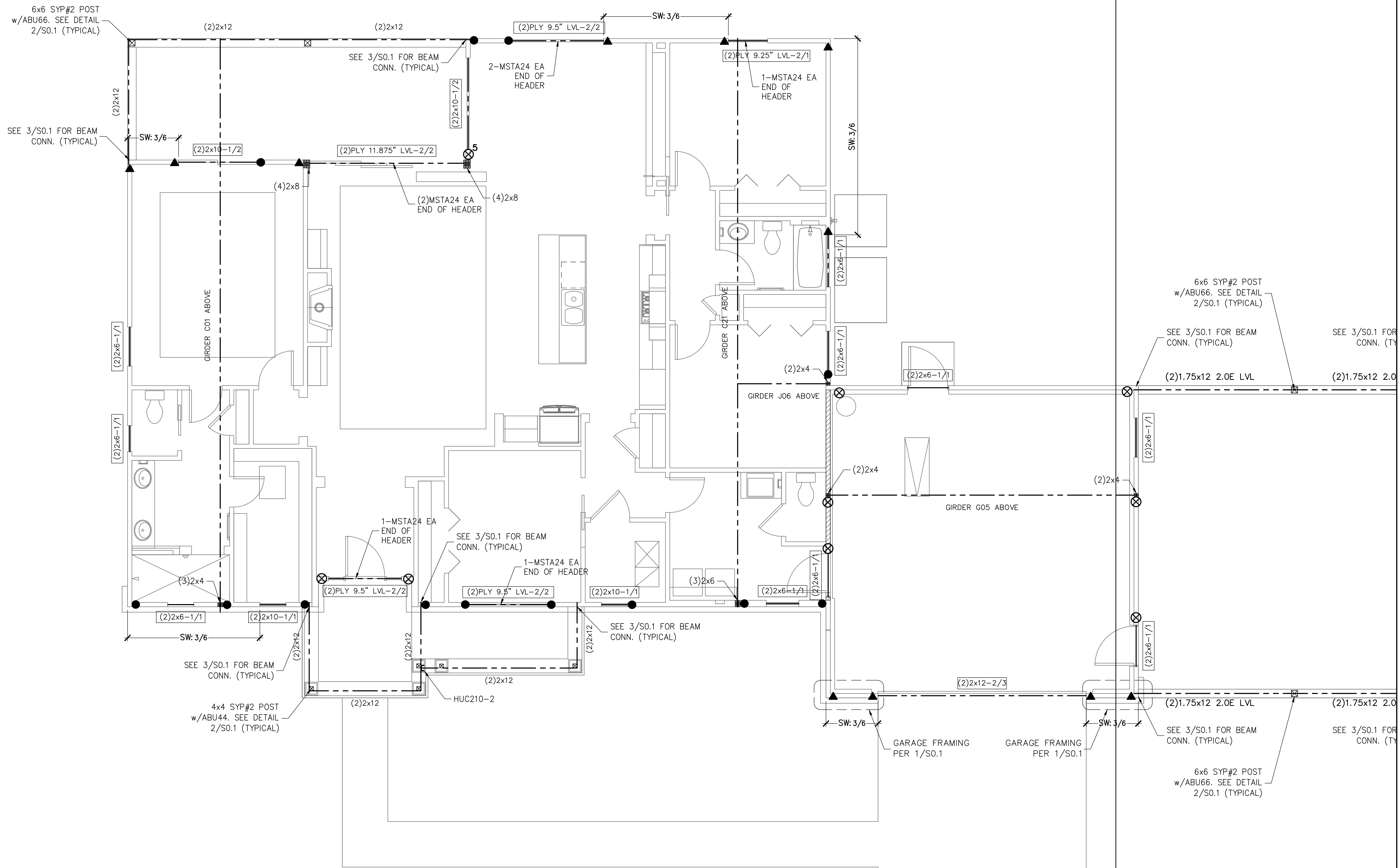
GENERAL NOTES

1. SEE DETAIL 2/SO.0 FOR WALL FRAMING DETAIL. SEE WALL STUD SCHEDULE THIS SHEET FOR STUD SIZES AND SPACING. AT GIRDERS AND BEAMS, PROVIDE STUDS BELOW TO MATCH BEAM/GIRDER PILES.
2. SEE SHEET 5O.0 FOR ROOF AND FLOOR SHEATHING SPECIFICATIONS.
3. WHERE FRAMING MEMBERS CONSIST OF MULTIPLE PILES (BEAMS, HEADER, AND STUDS) FASTEN PILES TOGETHER PER DETAIL 6/SO.0
4. INSTALL SOLE PLATE ANCHORS PER DETAIL 3/SO.0
5. AT SHEARWALLS, PROVIDE DIAPHRAGM ATTACHMENT PER DETAIL 5/SO.1
6. FOR ATTACHMENT OF EXTERIOR WALLS THAT TERMINATE BETWEEN TRUSSES, SEE 54/SO.1
7. AT PORCHES, SEE DETAIL 2/SO.1 FOR FRAMING AND HOLD DOWNS

SOLE PLATE ANCHOR SPACING
SCHD

| | |
|--|----------------------------------|
| ALL EXTERIOR WALL UNLESS OTHER NOTED | 42" O.C. |
| SHEARWALLS (SW 8d@3"/6") | 24" O.C. |
|  SOLE PLT S # | WHEN NOTED ON PLAN SEE NOTE 2 |

1. INSTALL SOLE PLATE ANCHORS PER DETAIL 3/SO.O
2. ANCHOR SPACING SHALL BE AS NOTED. FOR EXAMPLE
- SOLE PLT @ 36" = 36" ON-CENTER SPACING



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| LIBBY RESIDENCE |
| SSE NUMBER |
| 23-0845 |

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| ISSUE | DATE |
| PERMIT | 02.07.24 |
| REVISIONS | DATE |
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| PROJECT ENGINEER |
| ROBERT D. |

FIELD ALTERATION

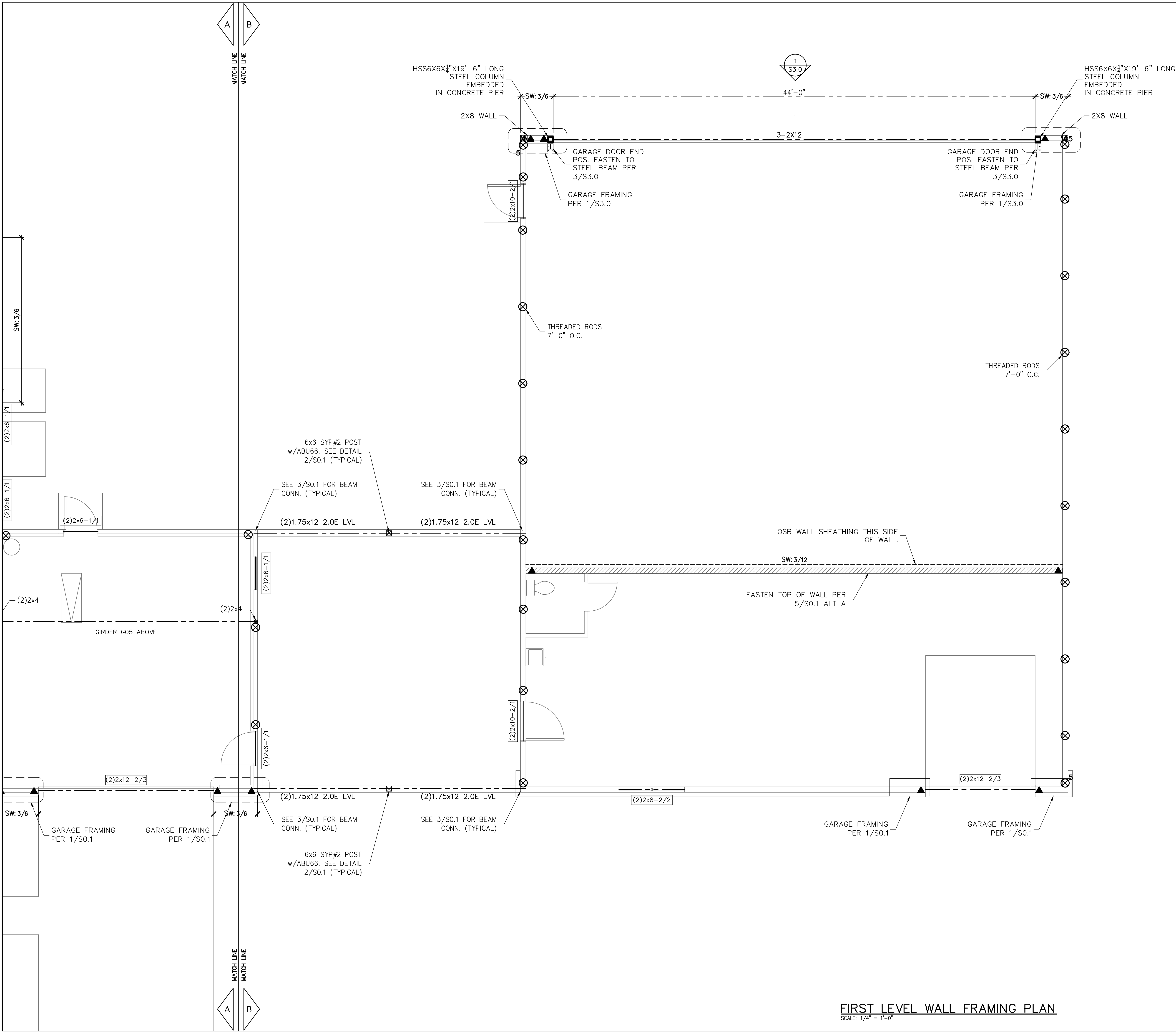
CONTRACTOR SHALL CONTACT SABO STRUCTURAL ENGINEERING PRIOR TO MAKING ANY STRUCTURAL FIELD MODIFICATIONS WHICH MAY VARY FROM THE INTENT OF THE ORIGINAL CONSTRUCTION DOCUMENTS. ANY FIELD ALTERATIONS MADE PRIOR TO BEING APPROVED BY CHRISTOPHER SABODUM MAY RESULT IN ADDITIONAL ENGINEERING OR INSPECTION FEES.

SCALING

DO NOT SCALE DIMENSIONS FROM THESE DRAWINGS. IF A DIMENSION IS UNCLEAR REFER TO THE ARCHITECTURAL DRAWINGS OR CONTACT THE E.O.R.

PARTIAL
WALL
FRAMING
PLAN A

SHEET
S1.1A
SHEET 8 OF 13



| SYMBOLS LEGEND | |
|----------------|--|
| | DESIGNATES OSB SHEARWALL. THE HIDDEN LINE DESIGNATES SIZE OF WALL. THE SHEARWALL SHEATHING TO BE APPLIED. 8d @ 1/2 DESIGNATES 8d COMMONS @ 3" O.C. EDGE & 6" O.C. "IN THE FIELD" |
| | DESIGNATES THE HEADER SIZE, NUMBER OF PLYS & JACKING STUDS NEEDED FOR SUPPORT HEADER. |
| | BEAM OR TRUSS, SEE PLAN |
| ANCHOR LEGEND | |
| | 3/8" A307 DIAMETER FULL HEIGHT THREADED ROD, SEE DETAIL 12/SO.1 |
| | 5/8" A307 DIAMETER FULL HEIGHT THREADED ROD, SEE DETAIL 12/SO.1 |
| | 3/4" A307 DIAMETER THREADED ROD TERMINATES AT FIRST FLOOR TOP PLATE, SEE DETAIL 12/SO.1 |
| | 5/8" A307 DIAMETER THREADED ROD TERMINATES AT FIRST FLOOR TOP PLATE, SEE DETAIL 12/SO.1 |
| | SIMPSON HTTS SEE DETAIL 15/SO.1 |
| | SIMPSON DTZZ SEE DETAIL 15/SO.1 |
| | SIMPSON LTT20B SEE DETAIL 15/SO.1 |

| WALL STUD SCHEDULE | | |
|--------------------|----------------------|--|
| LOCATION | PLATE HEIGHT | STUD SIZE & SPACING |
| EXTERIOR | 8'-1" MAX | 2x4 SPF#2 @ 16" O.C. |
| EXTERIOR | 10'-1" MAX | 2x6 SPF#2 @ 16" O.C. OR 2x4 SPF#2 @ 12" O.C. |
| EXTERIOR | 10'-1" TO 14'-0" MAX | 2x6 SPF#2 @ 16" O.C. |
| INTERIOR | 10'-0" MAX | 2x4 SPF#2 @ 16" O.C. |
| INTERIOR | 12'-0" MAX | 2x6 SPF#2 @ 16" O.C. OR 2x4 SPF#2 @ 12" O.C. |

- STUD NOTES:**
- 1.) WALL STUDS SPECIFIED ON PLAN SUPERSEDES THIS TABLE
 - 2.) MINIMUM STUD SIZE AND SPACING ARE SHOWN. CONTRACTOR MAY INCREASE STUD SIZE TO MEET ARCHITECTURAL REQUIREMENTS.
 - 3.) SPF DENOTES SPRUCE PINE FIR. SYP DENOTES SOUTHERN YELLOW PINE.
 - 4.) USE SYP#2 FOR ALL TOP PLATES AND SOLE PLATES.
 - 5.) FASTEN BOTTOM PLATE OF INTERIOR LOAD BEARING WALLS TO CONCRETE SLAB w/16d MASONRY CUT NAILS @ 16" O.C. MINIMUM. SEE 3/SO.0 FOR ADDITIONAL ANCHORS AT SHEARWALLS

- COMBINED USE PANEL NOTES**
1. EXTERIOR WALL SHEATHING SHALL BE CONTINUOUS FROM BOTTOM PLATE TO UPPER MOST TOP PLATE. SEE DETAIL 1/SO.1 FOR SHEATHING SPLICE LOCATIONS FOR MULTI STORY CONDITIONS
 2. SEE SHEET SO.0 FOR WALL SHEATHING SPECIFICATIONS.
 3. UPPER MOST TOP PLATE SUPPORTING ROOF MEMBERS SHALL BE STRAPPED AS SHOWN IN DETAIL 1/SO.0
 4. INSTALL SOLE PLATE ANCHORS PER DETAIL 3/SO.0

- GENERAL NOTES**
1. SEE DETAIL 2/SO.0 FOR WALL FRAMING DETAIL. SEE WALL STUD SCHEDULE THIS SHEET FOR STUD SIZES AND SPACING. AT GIRDERS AND BEAMS, PROVIDE STUDS BELOW TO MATCH BEAM/GIRDER PLIES.
 2. SEE SHEET SO.0 FOR ROOF AND FLOOR SHEATHING SPECIFICATIONS.
 3. WHERE FRAMING MEMBERS CONSIST OF MULTIPLE PLIES (BEAMS, HEADER, AND STUDS) FASTEN PLIES TOGETHER PER DETAIL 6/SO.0
 4. INSTALL SOLE PLATE ANCHORS PER DETAIL 3/SO.0
 5. AT SHEARWALLS, PROVIDE DIAPHRAGM ATTACHMENT PER DETAIL 5/SO.1
 6. FOR ATTACHMENT OF EXTERIOR WALLS THAT TERMINATE BETWEEN TRUSSES, SEE 5A/SO.1
 7. AT PORCHES, SEE DETAIL 2/SO.1 FOR FRAMING AND HOLD DOWNS

| SOLE PLATE ANCHOR SPACING SCHD | |
|--|-------------------------------|
| ALL EXTERIOR WALL UNLESS OTHER NOTED | 42" O.C. |
| SHEARWALLS (SW 8d@37/6") | 24" O.C. |
| | WHEN NOTED ON PLAN SEE NOTE 2 |
| 1. INSTALL SOLE PLATE ANCHORS PER DETAIL 3/SO.0 2. ANCHOR SPACING SHALL BE AS NOTED. FOR EXAMPLE - SOLE PLT @ 36" = 36" ON-CENTER SPACING | |

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| 23-0845 | |

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STRUCTURAL ENGINEERING FOR
THE LIBBY RESIDENCE

| PROJECT ENGINEER | |
|------------------|--|
| ROBERT D. | |

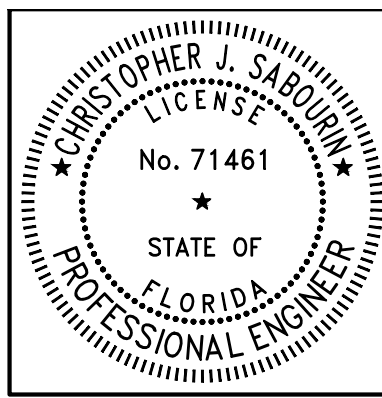
| FIELD ALTERATION | |
|--|--|
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| SCALING | |
|--|--|
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PARTIAL
WALL
FRAMING
PLAN B

| |
|----------------|
| SHEET S.I.B |
| SHEET 9 OF 13 |

FIRST LEVEL WALL FRAMING PLAN
SCALE: 1/4" = 1'-0"



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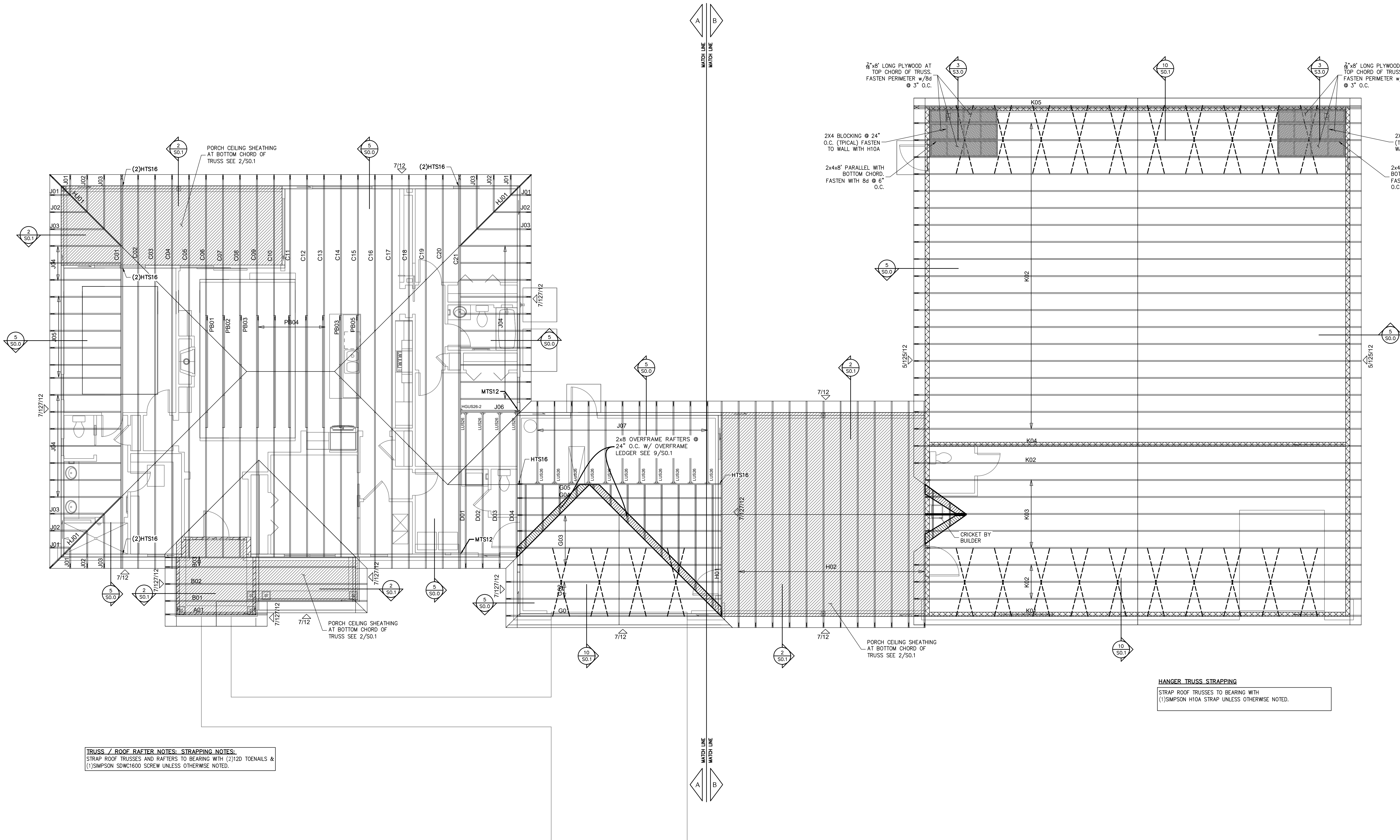
| PROJECT ENGINEER |
|------------------|
| ROBERT D. |

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OVERALL
ROOF TRUSS
PLACEMENT
PLAN

| |
|----------------|
| SHEET |
| S1.2 |
| SHEET 10 OF 13 |



TRUSS / ROOF RAFTER NOTES: STRAPPING NOTES:
STRAP ROOF TRUSSES AND RAFTERS TO BEARING WITH (2)12D TOENAILS &
(1)SIMPSON SDWC1600 SCREW UNLESS OTHERWISE NOTED.

HANGER TRUSS STRAPPING
STRAP ROOF TRUSSES TO BEARING WITH
(1)SIMPSON HT0A STRAP UNLESS OTHERWISE NOTED.

ROOF TRUSS PLACEMENT PLAN
SCALE: 3/16" = 1'-0"

SYMBOLS LEGEND

HTS16

DESIGNATES UPLIFT CONNECTION.

FRAMING PLAN NOTES:
1. FOR TYPICAL ROOF SHEATHING AND FRAMING, SEE SHEET S0.0
2. FOR SPECIFIC UPLIFT CONNECTORS, SEE PLAN MIN. (1)SDWC CONNECTOR.
3. FOR GENERAL DESIGN SPECIFICATIONS, SEE SHEET S0.0
4. WHEN USING (2)X2.5T CLIPS ON 1/2" WIDE LUMBER, PLACE CLIPS DIAGONALLY ACROSS DOUBLE TOP PLATE FROM EACH OTHER.

TRUSS FASTENING DETAILS

STUD DIRECTLY BELOW TRUSS

SDWC15600

TOP PLATE TO STUD SDWC15600

TRUSS TIE DOWN WITH SIMPSON SDWC

STUD DIRECTLY BELOW TRUSS

SDWC15600

TOP PLATE TO STUD SDWC15600

Note: 1. Sloped-roof rafters may be sloped up to and including a 12:12 pitch and must be "birdsmouth" cut.
2. Reference detail 4 for installation instructions.

SIMPSON SDWC INSTALLATION RANGE

STUD NOT DIRECTLY BELOW TRUSS

SDWC15600

Note: Reference detail 2a for installation angle limit

SDWC INSTALLATION

STUD NOT DIRECTLY BELOW TRUSS

SDWC15600

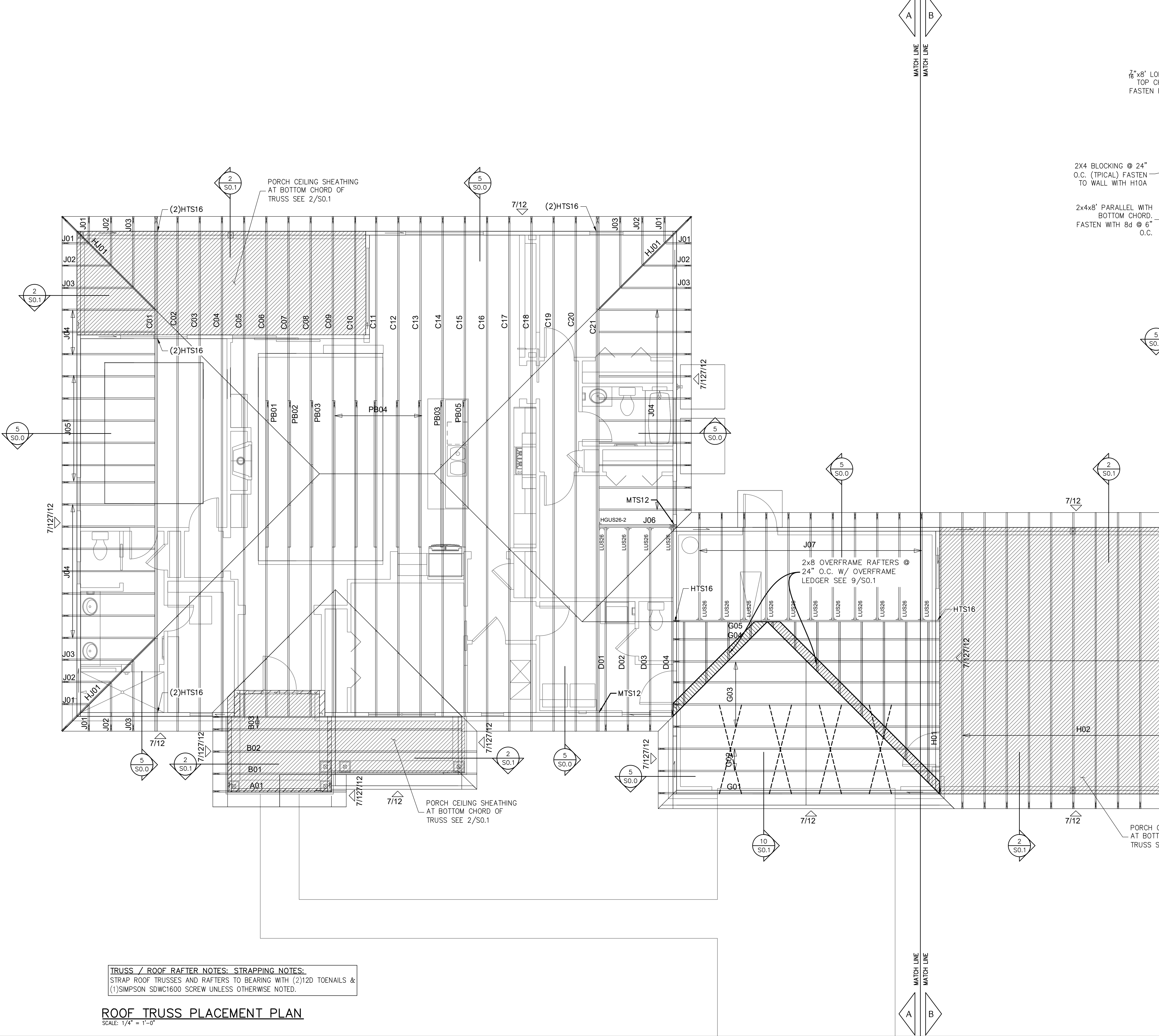
Do not install SDWC in hatched area

SDWC INSTALLATION RANGE

STUD NOT DIRECTLY BELOW TRUSS

SDWC AT TOP PLATE SPLICE

STUD NOT DIRECTLY BELOW TRUSS



TRUSS / ROOF RAFTER NOTES: STRAPPING NOTES:
STRAP ROOF TRUSSES AND RAFTERS TO BEARING WITH (2)12D TOENAILS &
(1)SIMPSON SDWC1600 SCREW UNLESS OTHERWISE NOTED.

ROOF TRUSS PLACEMENT PLAN

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

CHRISTOPHER J. SABOURIN

No. 71461

STATE OF FLORIDA

PROFESSIONAL ENGINEER

02.07.24

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PROJECT ENGINEER

ROBERT D.

FIELD ALTERATION

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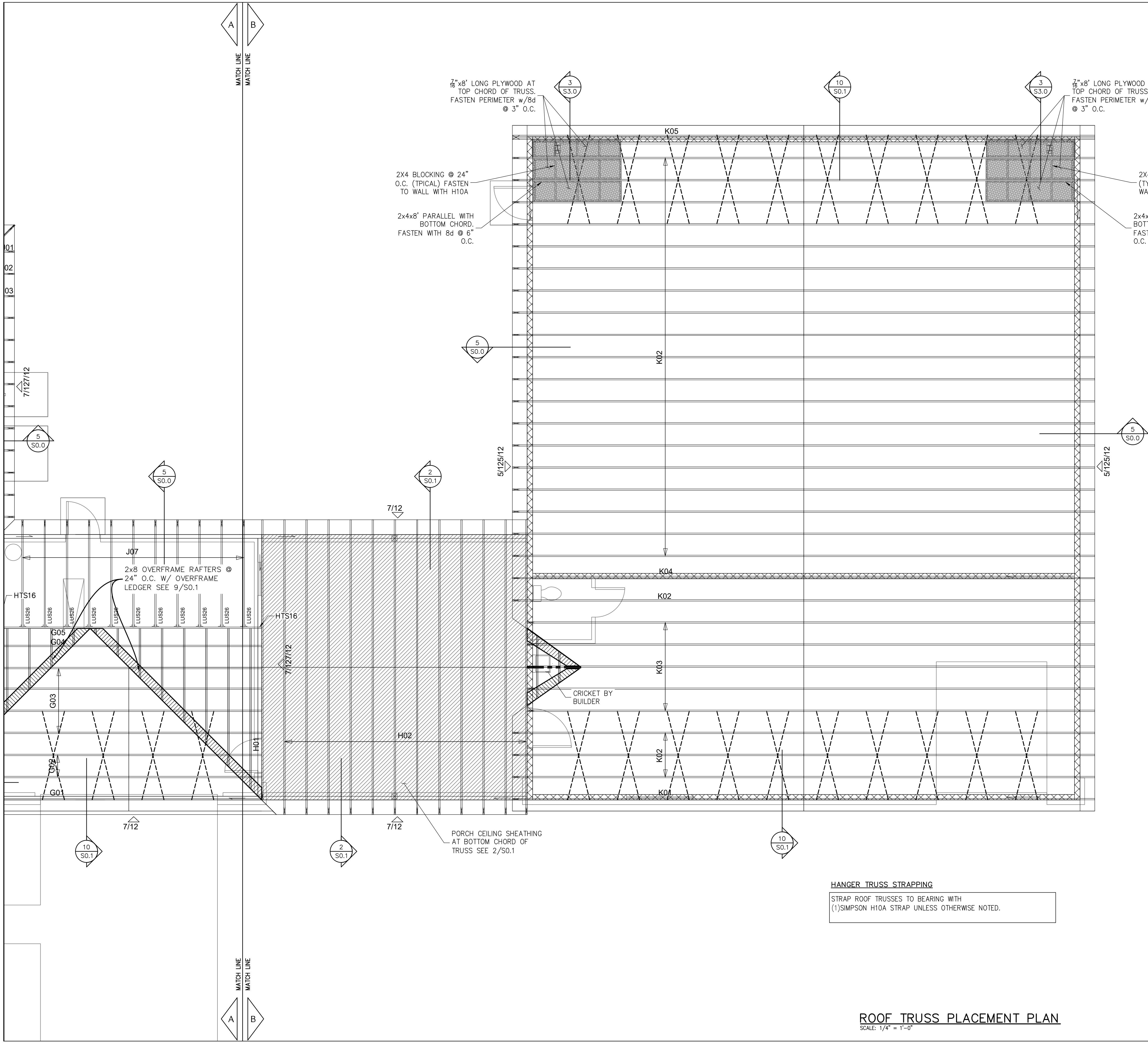
SCALING

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PARTIAL ROOF TRUSS PLACEMENT PLAN A

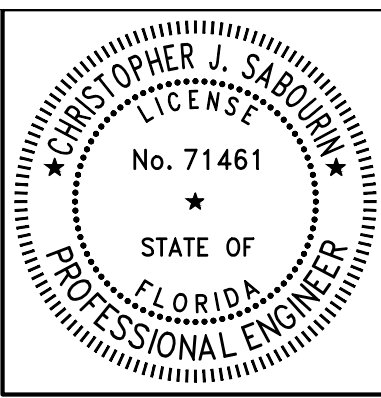
SHEET S1.2A

SHEET 11 OF 13



HANGER TRUSS STRAPPING
STRAP ROOF TRUSSES TO BEARING WITH
(1)SIMPSON H10A STRAP UNLESS OTHERWISE NOTED.

ROOF TRUSS PLACEMENT PLAN
SCALE: 1/4" = 1'-0"



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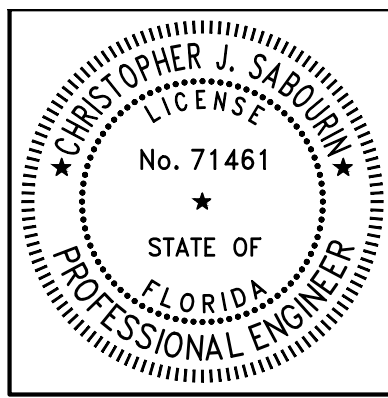
STRUCTURAL ENGINEERING FOR
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PROJECT ENGINEER
ROBERT D.

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PARTIAL
ROOF TRUSS
PLACEMENT
PLAN B



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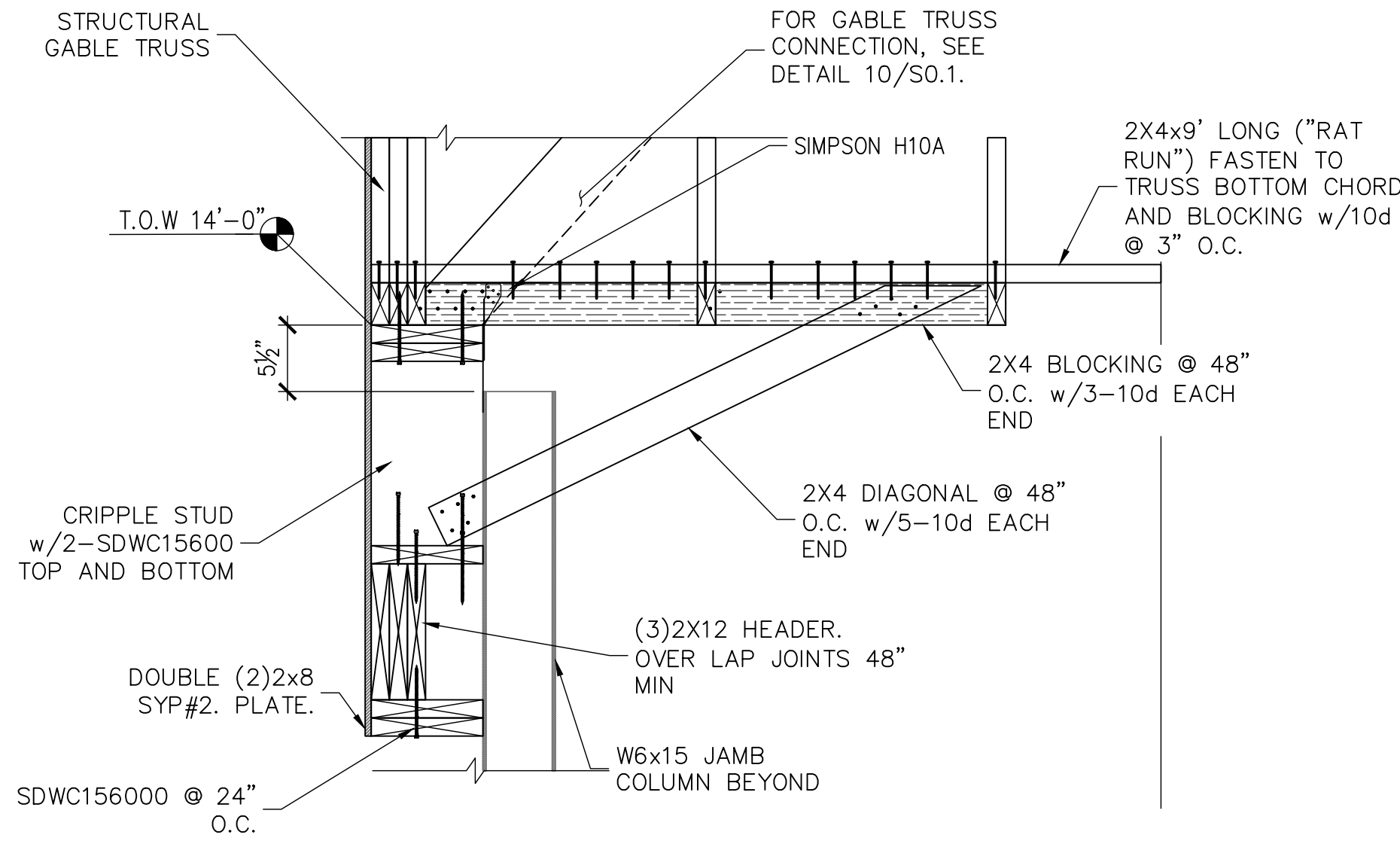
| PROJECT ENGINEER |
|------------------|
| ROBERT D. |

| FIELD ALTERATION |
|--|
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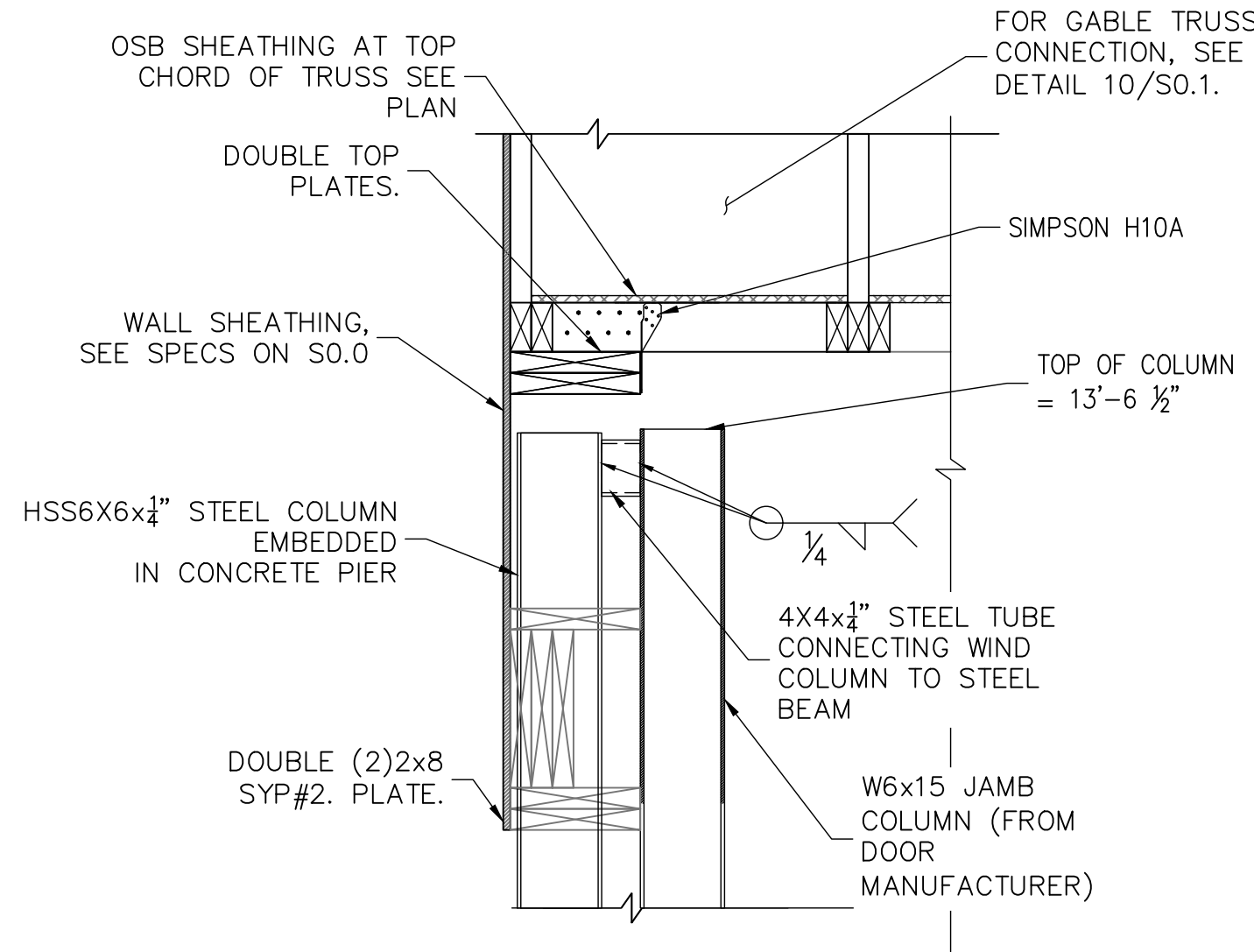
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MISC
DETAILS

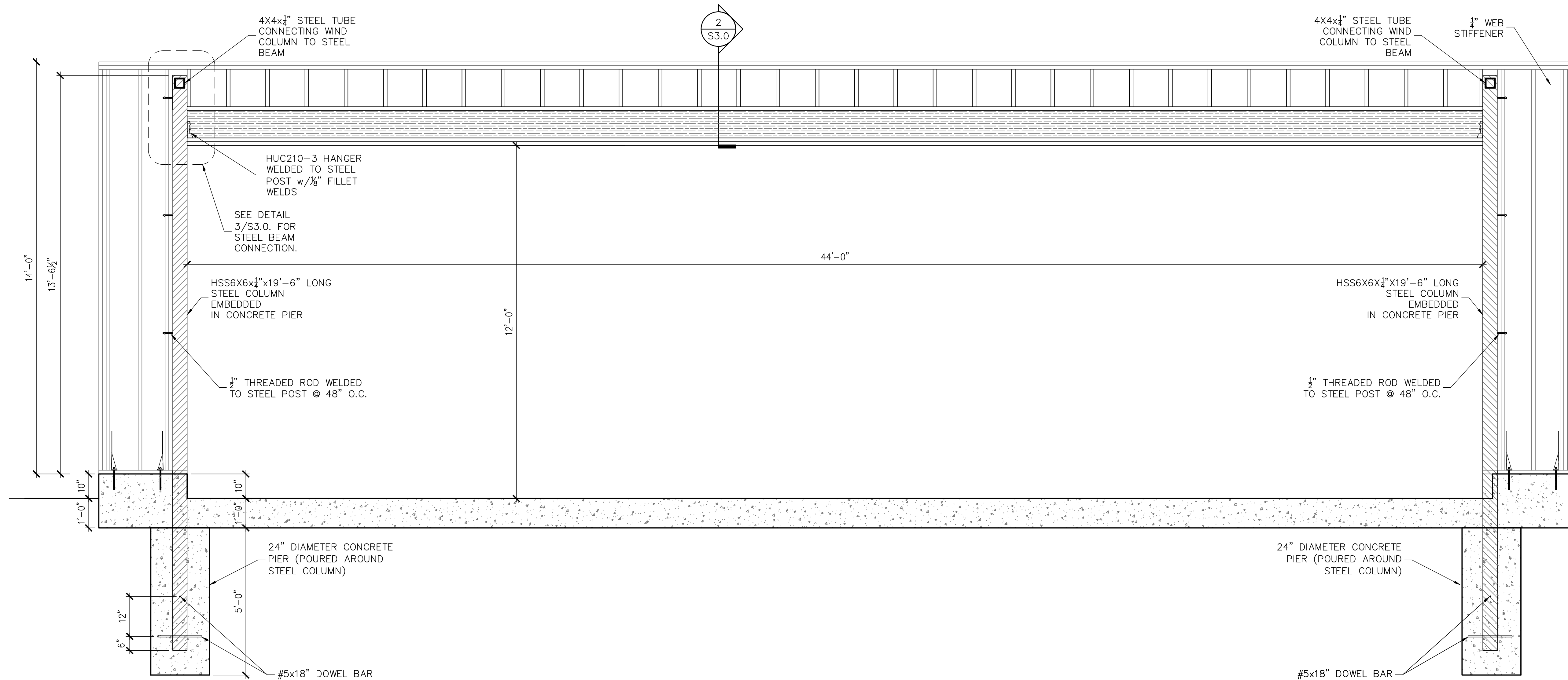
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|----------------|
| SHEET |
| S3.0 |
| SHEET 13 OF 13 |



2 HANGER DOOR SECTION
S3.0



3 HANGER DOOR SECTION
S3.0



1 HANGER DOOR ELEVATION
S3.0