

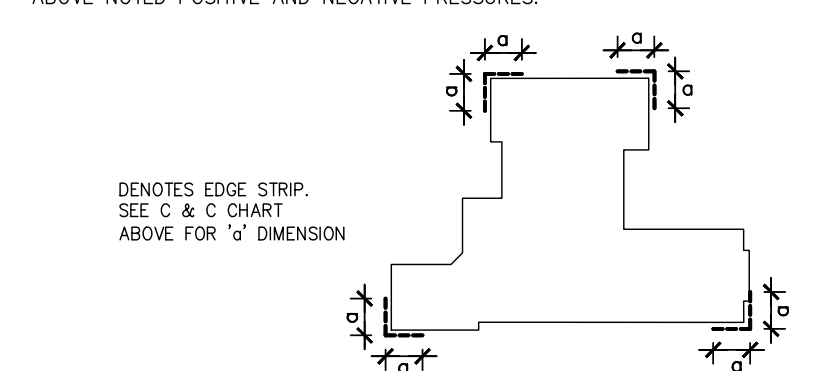
DESIGN SPECIFICATIONS		
DESIGN CODE: 2020 FLORIDA BUILDING CODE – RESIDENTIAL		
DESIGN LOADS: ACTUAL AND UNIFORM		
ROOF LOADING: (psf=125) TOP CHORD LIVE LOAD TOP CHORD DEAD LOAD TOP CHORD DEAD LOAD BOTTOM CHORD LIVE LOAD BOTTOM CHORD DEAD LOAD	ROOF 20 psf (ARCH SHINGLES) 20 psf (TILE SHINGLES) 10 psf 5 psf	FLOOR (psf=100) 40 psf 10 psf 10 psf 5 psf
WIND LOADING: ASCE 7/16 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 CALCULATED. 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 7-16) IMPORTANCE FACTOR MEAN ROOF HEIGHT ROOF PITCH BUILDING CATEGORY EXPOSURE CATEGORY ENCLOSURE CLASSIFICATION INTERNAL PRESSURE COEFFICIENT		

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 IN ACCORDANCE WITH ASTM A 615, GRADE 60.
STRUCTURAL STEEL: SHALL BE IN ACCORDANCE WITH ASTM A 500, GRADE 50.
WELDED WIRE FABRIC (WWF): SHALL BE IN ACCORDANCE WITH ASTM A 185.
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: ITW RED HEAD A7
REINFORCING STEEL: SHALL BE ASTM A615, GRADE 60.
STRUCTURAL STEEL: SHALL BE ASTM A500, GRADE 50.
WELDED WIRE FABRIC (WWF): SHALL BE IN ACCORDANCE WITH ASTM A 185.
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.

COMPONENTS & CLADDING ALLOWABLE DESIGN PRESSURES		
TRIBUTARY AREA (sf)	INTERIOR ZONE (PSF)	EDGE STRIP (PSF): ‘a’ = 4”-6”
10	+24.61 –26.70	+24.61 –32.95
50	+23.42 –25.51	+23.42 –30.58
100	+22.01 –24.09	+20.91 –27.74



USP CONNECTORS		
CONNECTOR	UPLIFT	FASTENERS
USP A35	450	450
USP RT7	585	495
USP RT8A	775	650
USP MTW12	1195	860
USP HTW20	1450	1245
USP MSTA24	1640	1455
USP LTA208	2065	2065
USP LTA208	1105	1105
USP JU528	1305	1305
USP HTT16	4290	4290
USP HTT22	5370	5370
USP PAU44	2535	5370
USP PAU66	2535	5370
USP MSTA24	1545	1455

SIMPSON CONNECTORS		
CONNECTOR	UPLIFT	FASTENERS
A35	450	450
H2.5T	600	520
HTS16	1150	1085
MTS12	1000	860
HTS20	1450	1245
MSTA24	1765	1270
MSTA36	2050	1870
HTT4	3480	3080
HTT5	5250	4670
LHS28	930	780
HU410	905	785
ABU44	2200	
ABU66	2300	
SET	N/A	N/A
LT720B	1675	1675
LSTA12	805	695
CS16	1705	1705

GENERAL NOTES & CONSTRUCTION SPECIFICATIONS

FLOOR SHEATHING SPECIFICATIONS:
23/32" T&G 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" O.C. 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 ACI 301-05. 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 ROOD 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 6" 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. CONCREAT 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:
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 UNDER 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 PRESSURE-TREATED. IF A ROD OR NON-DOT BURDANTE 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 SEAL OF AN ENGINEER IN THE STATE WHERE PROJECT IS BEING BUILT AND SHALL COMPLY WITH NFPA, 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, HIB-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.

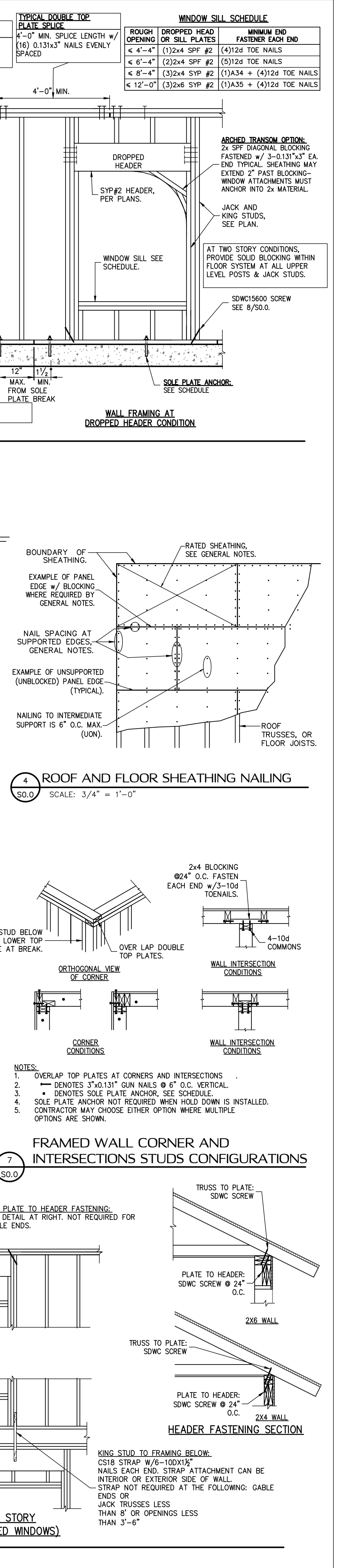
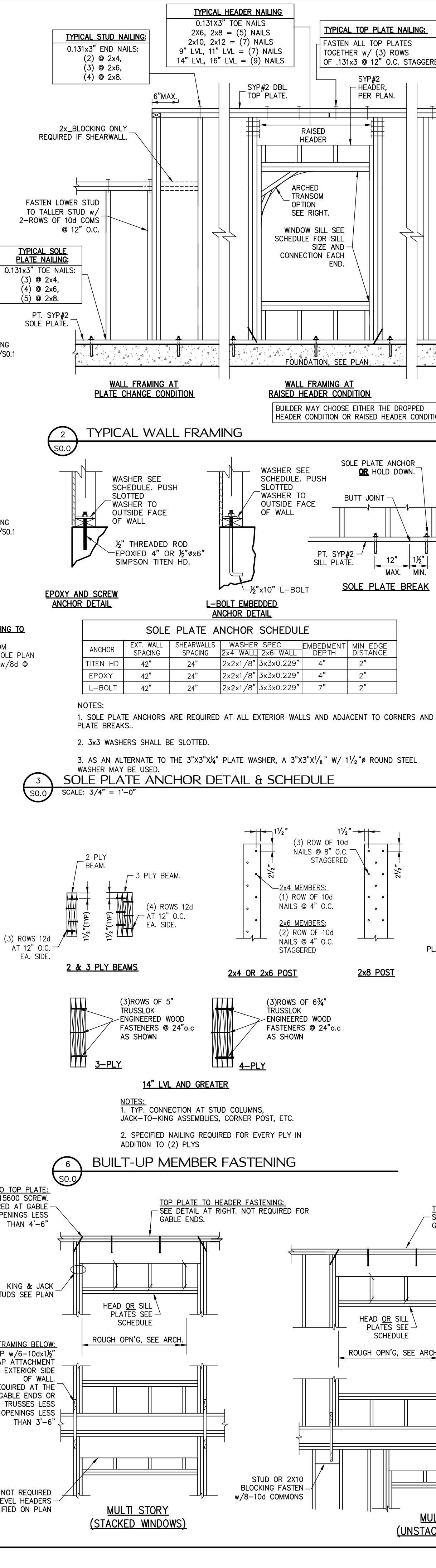
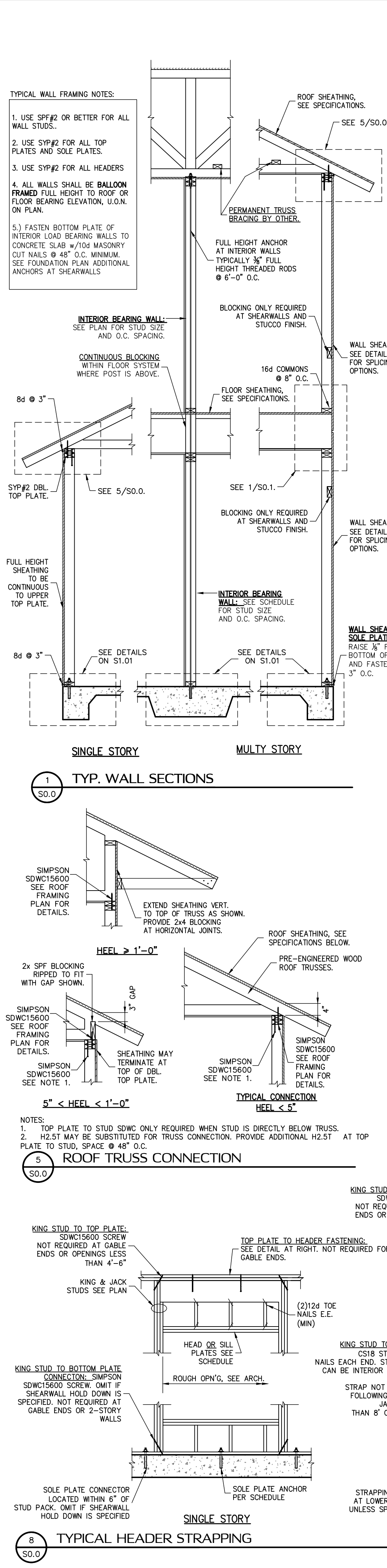
ROOF COVERING SPECIFICATIONS:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF THE ROOF COVERING SYSTEM. ASPHALT SHINGLES SHALL COMPLY WITH ASTM D3161 AND BE INSTALLED ACCORDING TO THE MANUFACTURER'S REQUIREMENTS. CLAY AND TILE ROOFS SHALL BE INSTALLED PER THE "CONCRETE AND CLAY 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 STUD	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	FACE NAIL	(3-16d) 4-GUN NAILS
SOLE PLATE TO JOIST/BLOCKING	FACE NAIL	(16d @ 16") GUN NAIL @ 8"

BRICK NOTES / LINTEL SCHD		
LINTEL DIMENSION	MIN. BRG.	MAX. SPAN
L3 1/2 x 3 1/2 x 1/4	4"	6'-0"
L4 x 3 1/2 x 1/4	6"	8'-0"
L5 x 3 1/2 x 1/4	6"	10'-0"
L6 x 3 1/2 x 1/4	6"	12'-0"
L7 x 3 1/2 x 1/4	6"	16'-0"

PLAN LEGEND AND ABBREVIATIONS		
INTERIOR LOAD BEARING WALL	BUILT-UP POST IN THE WALL	
GABLE X-BRACE, SEE DETAIL 10/SO.1	HEADER SIZE, JACK AND KING STUD QUANTITY	
DESIGNATES SHEARWALL, THE HIDDEN LINE DESIGNATES SIDE OF WALL. SHEARWALL SHEATHING TO BE APPLIED. 8d @ 6" O.C. DESIGNATES 8d COMMON @ 6" O.C. EDGE & 6" O.C. "IN THE FIELD"		
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 F10 – FOOTING HORIZ – HORIZONTAL VERT – VERTICAL WWF – WELDED WIRE FABRIC		



Christopher I. Sabourin
FL PE#71461

Plans Reviewed for Code Compliance
State of Florida

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

PLAN NAME: SCHNEIDER
55E No. 22-0570

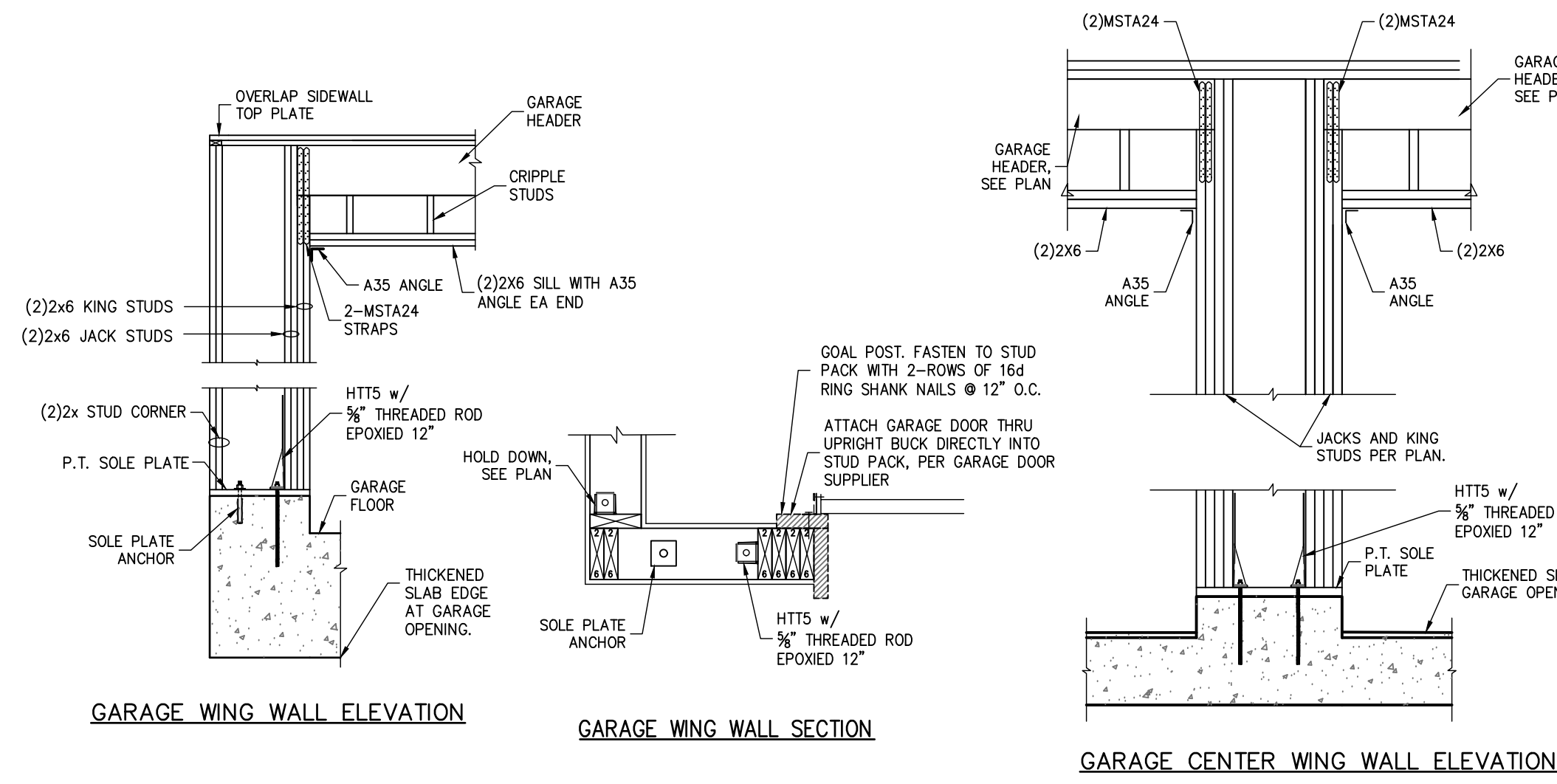
ISSUE	DATE
PERMIT	11.23.22
REVISIONS	DATE
Δ CARPORT	10.09.23

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 OBTAINING APPROVAL BY CHRISTOPHER I. SABOURIN MAY RESULT IN ADDITIONAL ENGINEERING OR INSPECTION FEES.

SCALING
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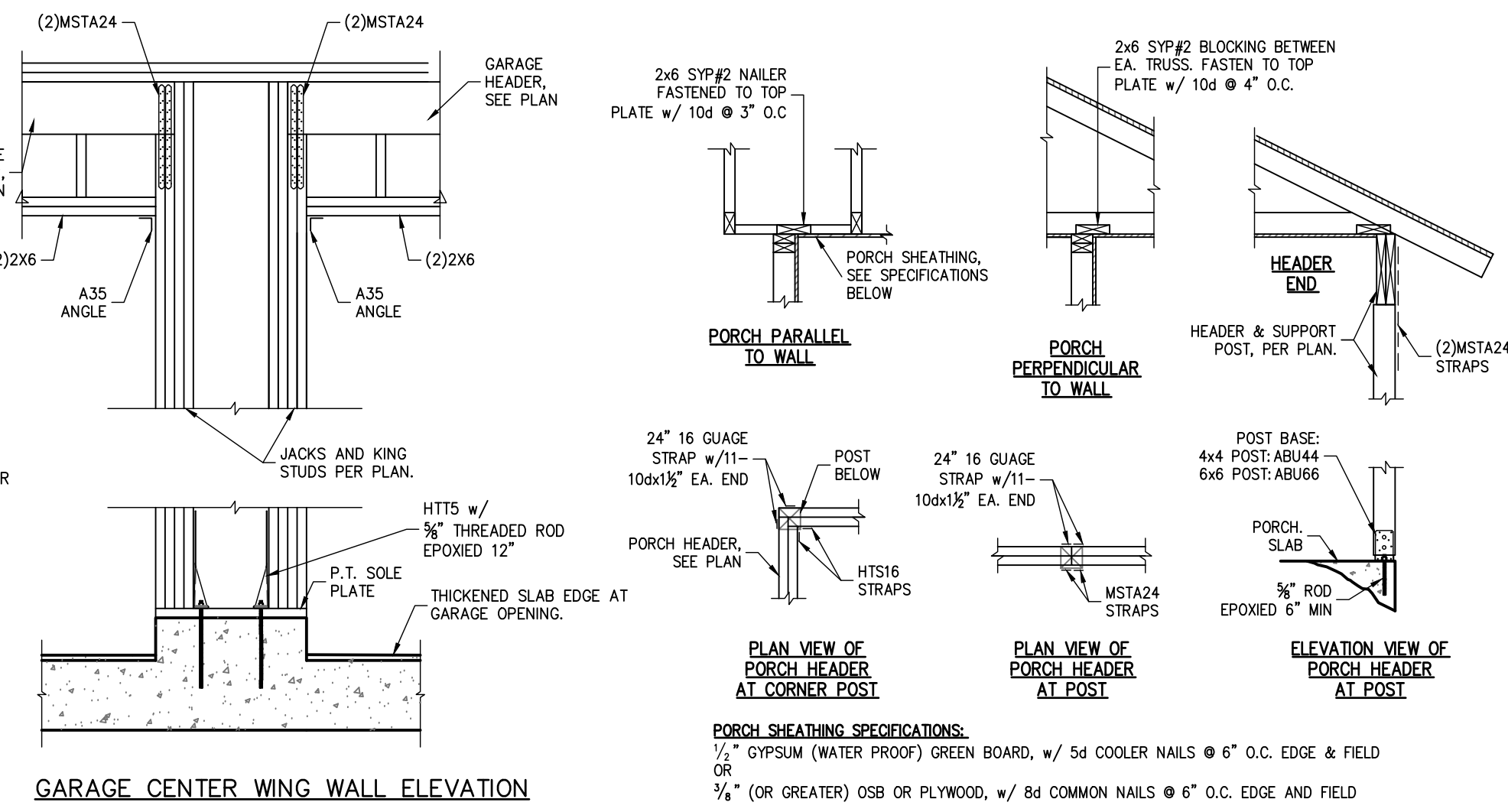
DESIGN CRITERIA AND GENERAL NOTES

SHEET 50.0
SHEET 1 OF 8

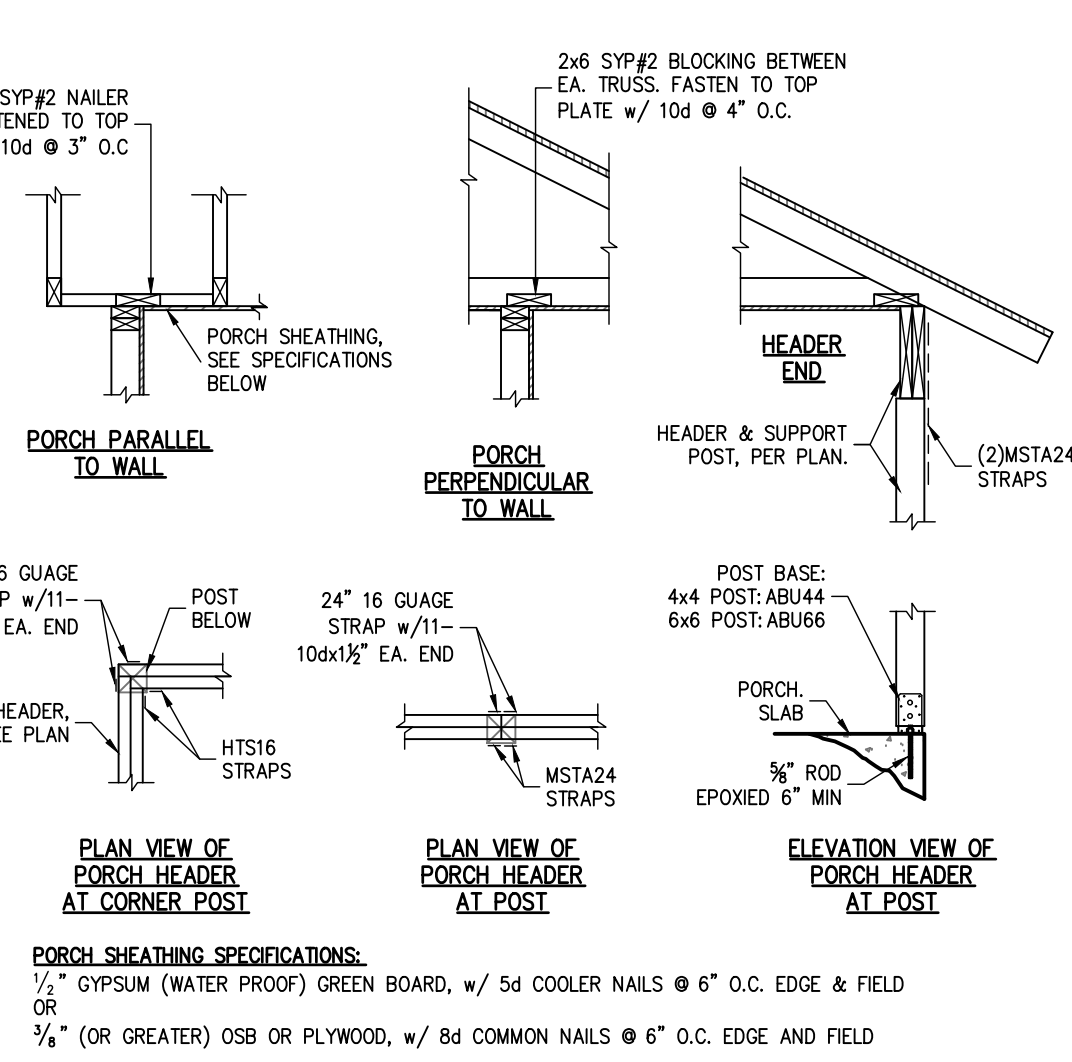


GARAGE WING WALL ELEVATION

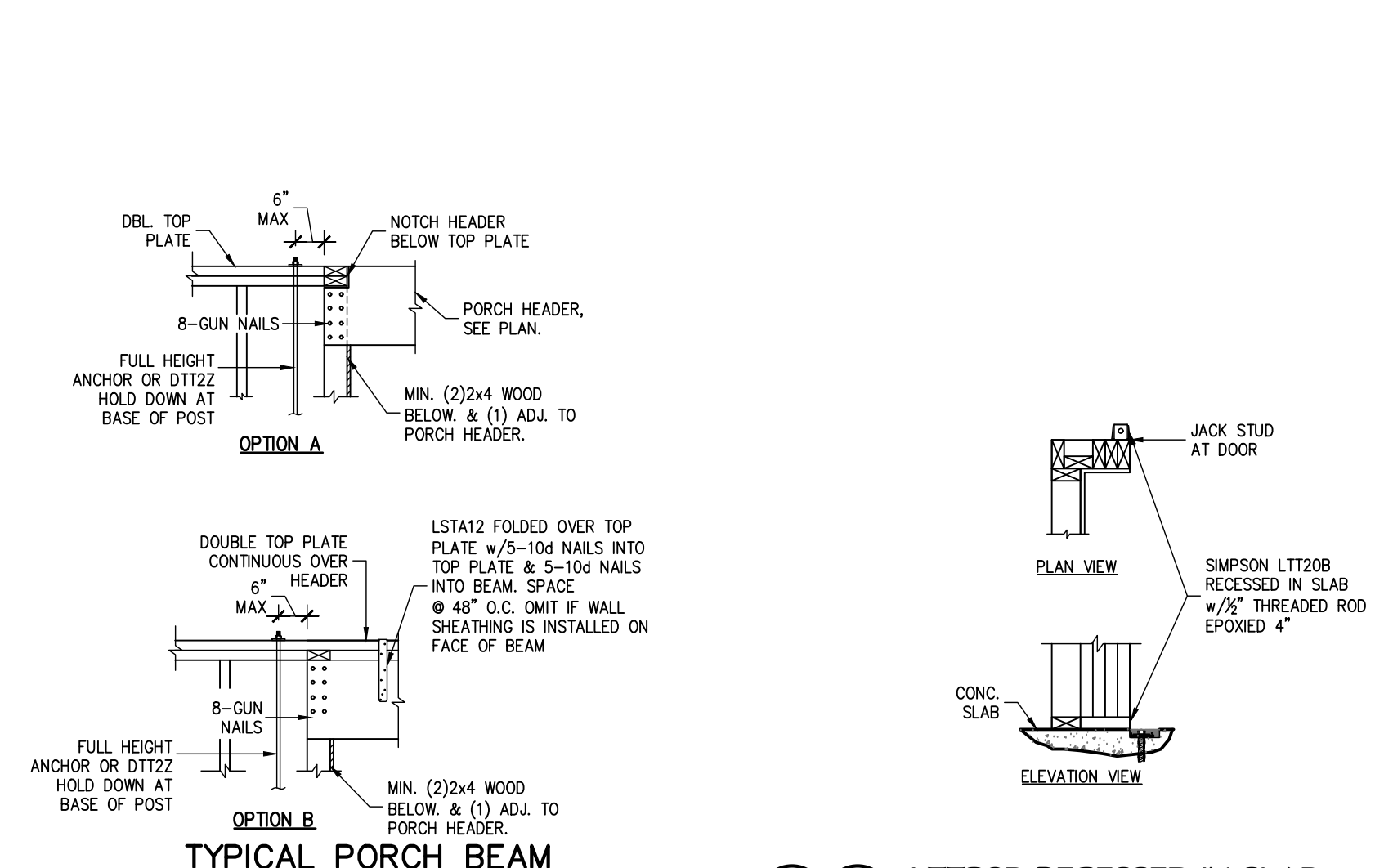
GARAGE WING WALL SECTION



GARAGE CENTER WING WALL ELEVATION



TYPICAL PORCH FRAMING DETAILS



TYPICAL PORCH BEAM CONNECTION

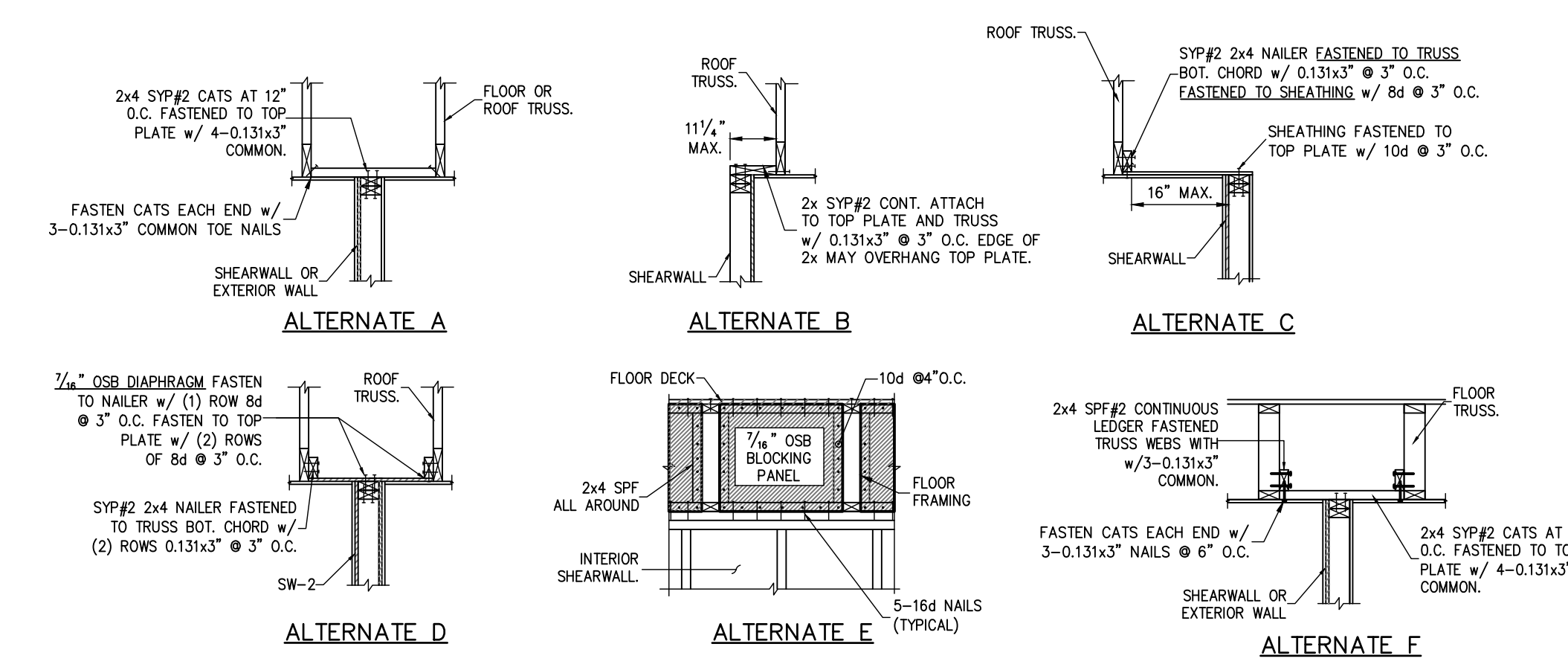
LTT20B RECESSED IN SLAB

WHEN NOTED S0.1 GARAGE HEADER FRAMING SCALE: N.T.S.

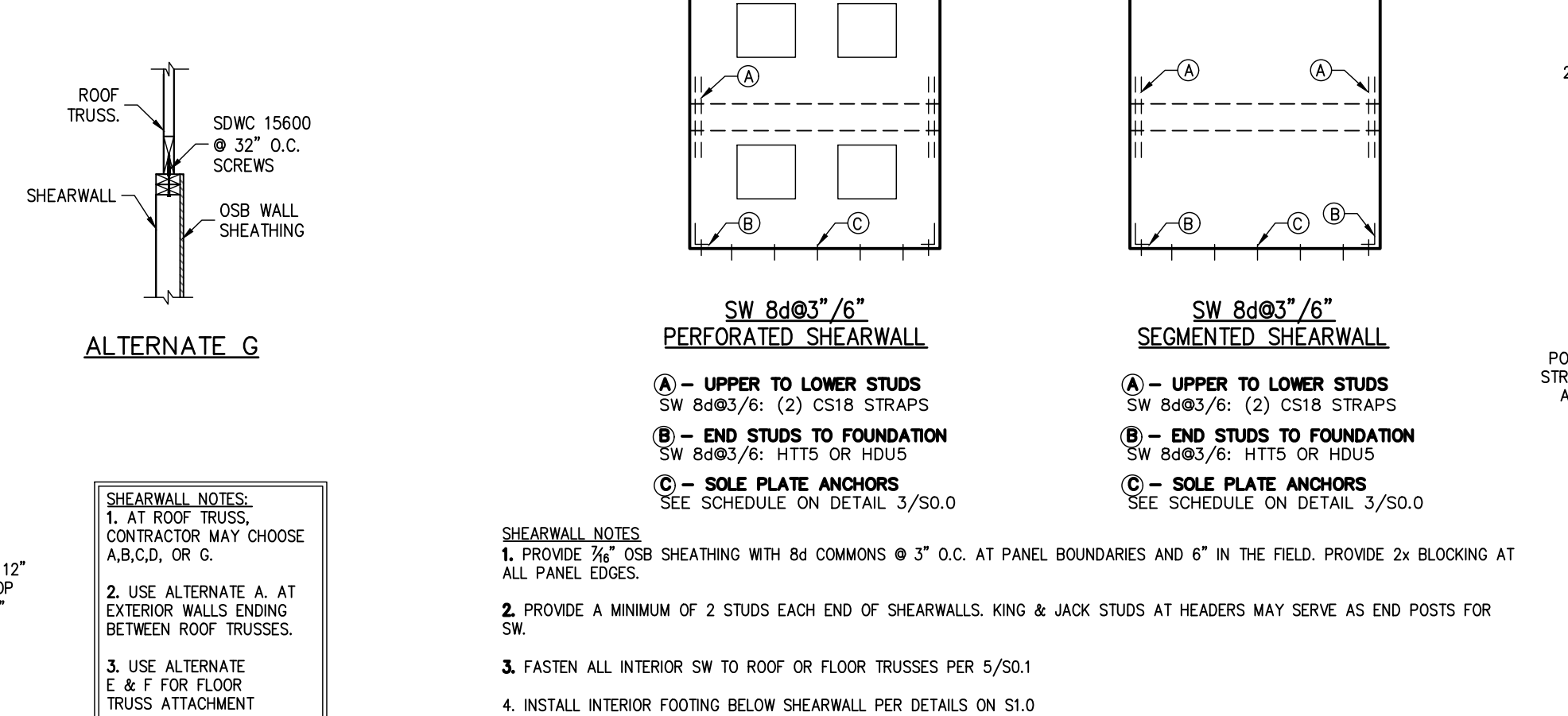
WHEN NOTED S0.1 TYPICAL PORCH FRAMING DETAILS SCALE: N.T.S.

WHEN NOTED S0.1 TYPICAL PORCH BEAM CONNECTION SCALE: N.T.S.

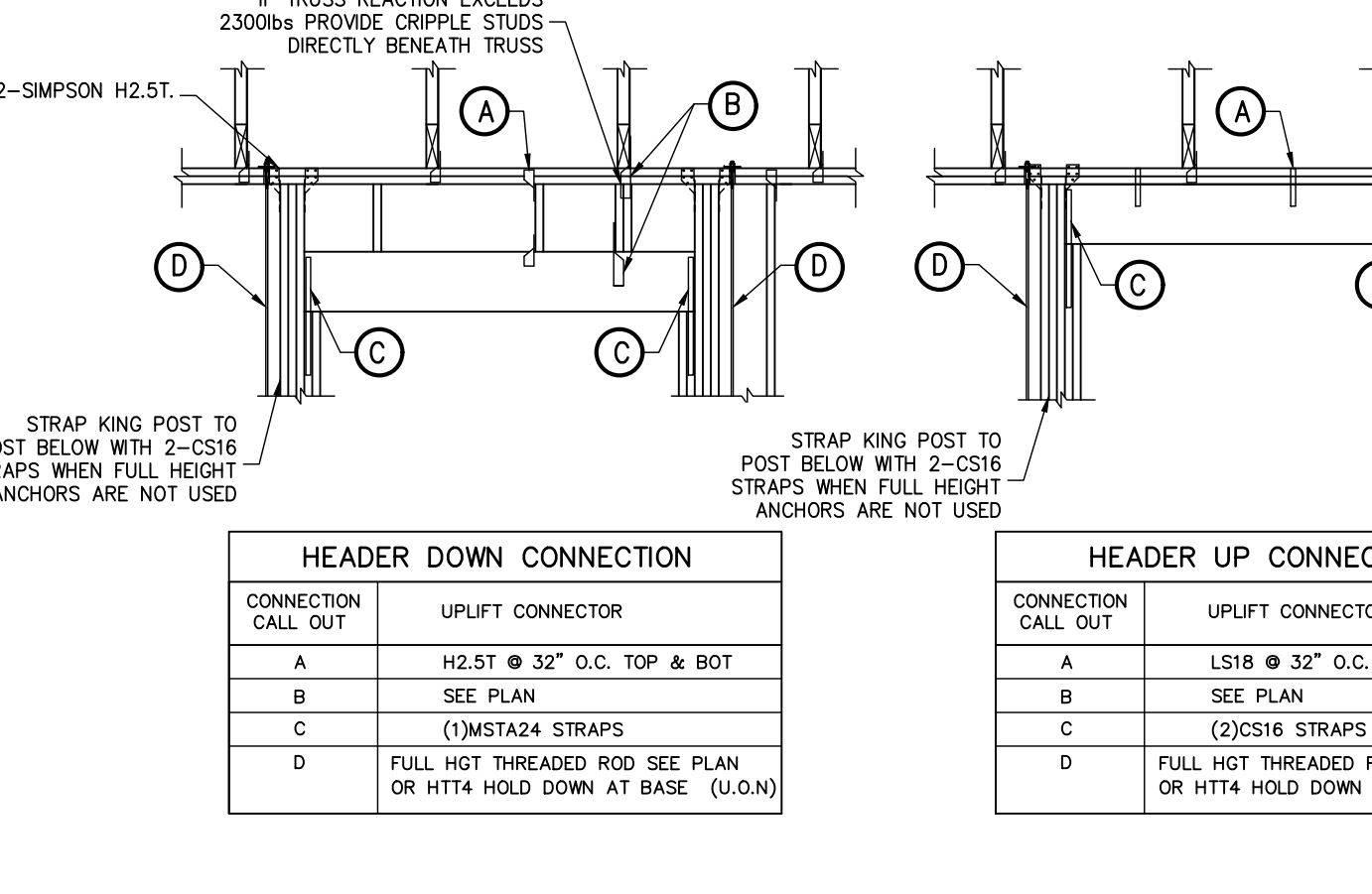
WHEN NOTED S0.1 LTT20B RECESSED IN SLAB SEE CONSTRUCTION SPECIFICATIONS FOR ROOF AND WALL SHEATHING AND STUD FRAMING.



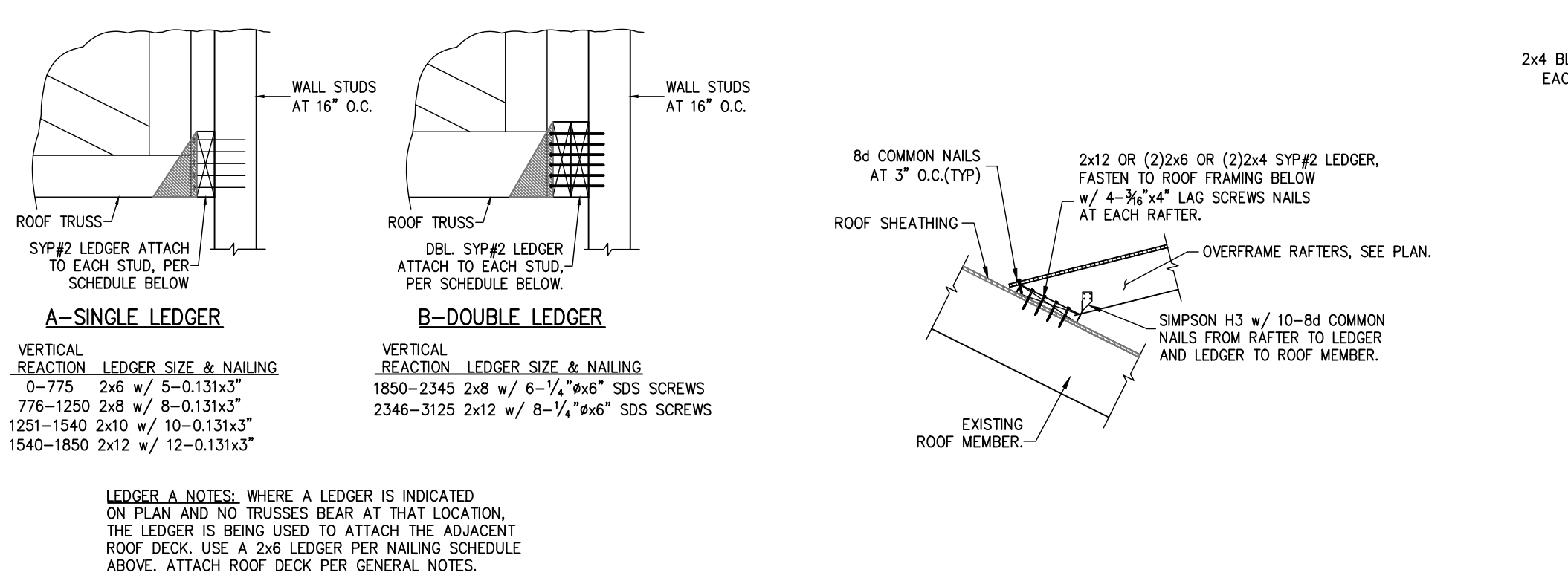
SHEARWALL ATTACHMENT AT ROOF & FLOOR



TYPICAL SHEARWALL ELEVATION

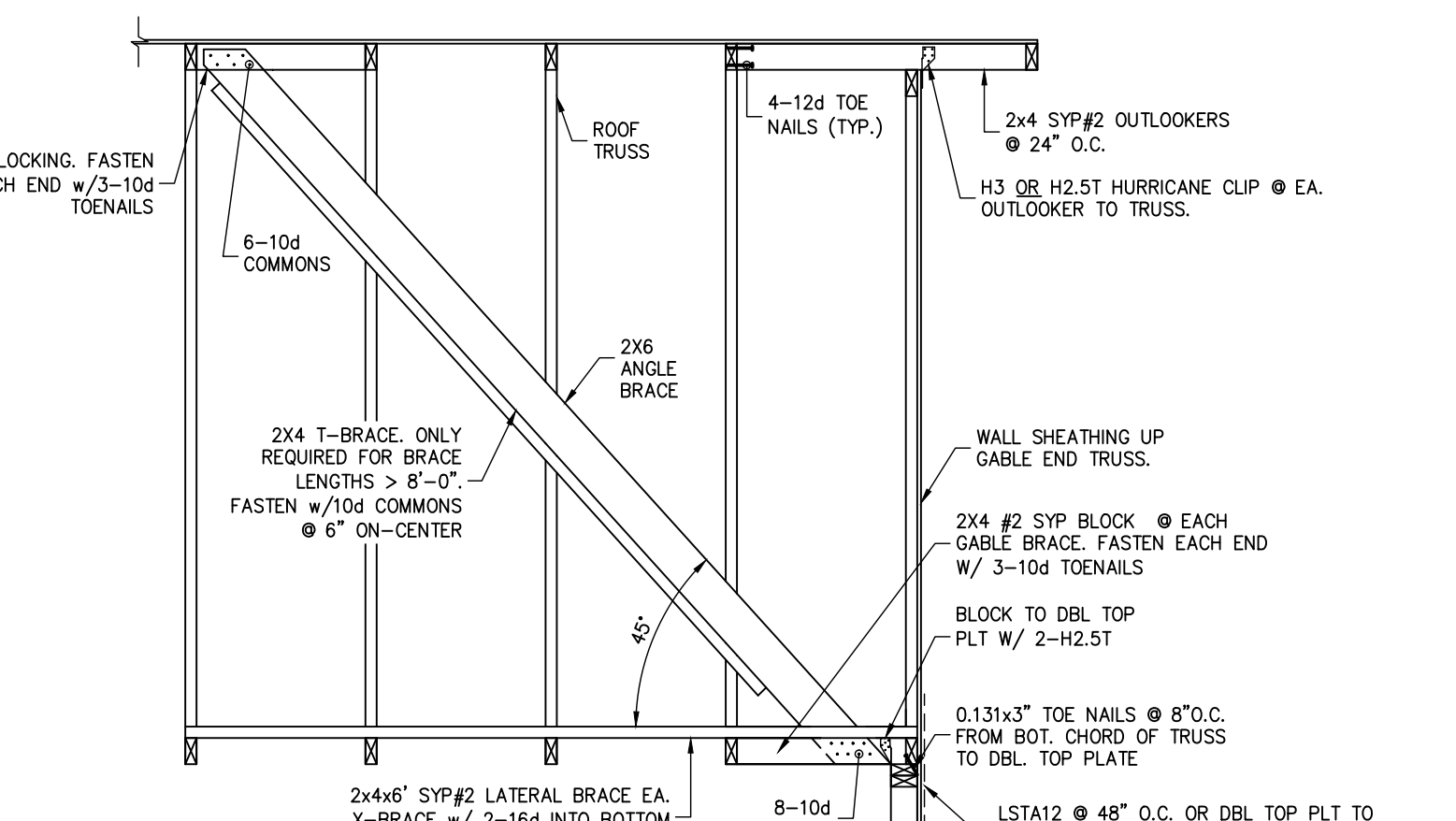


HEADER TIE DOWN

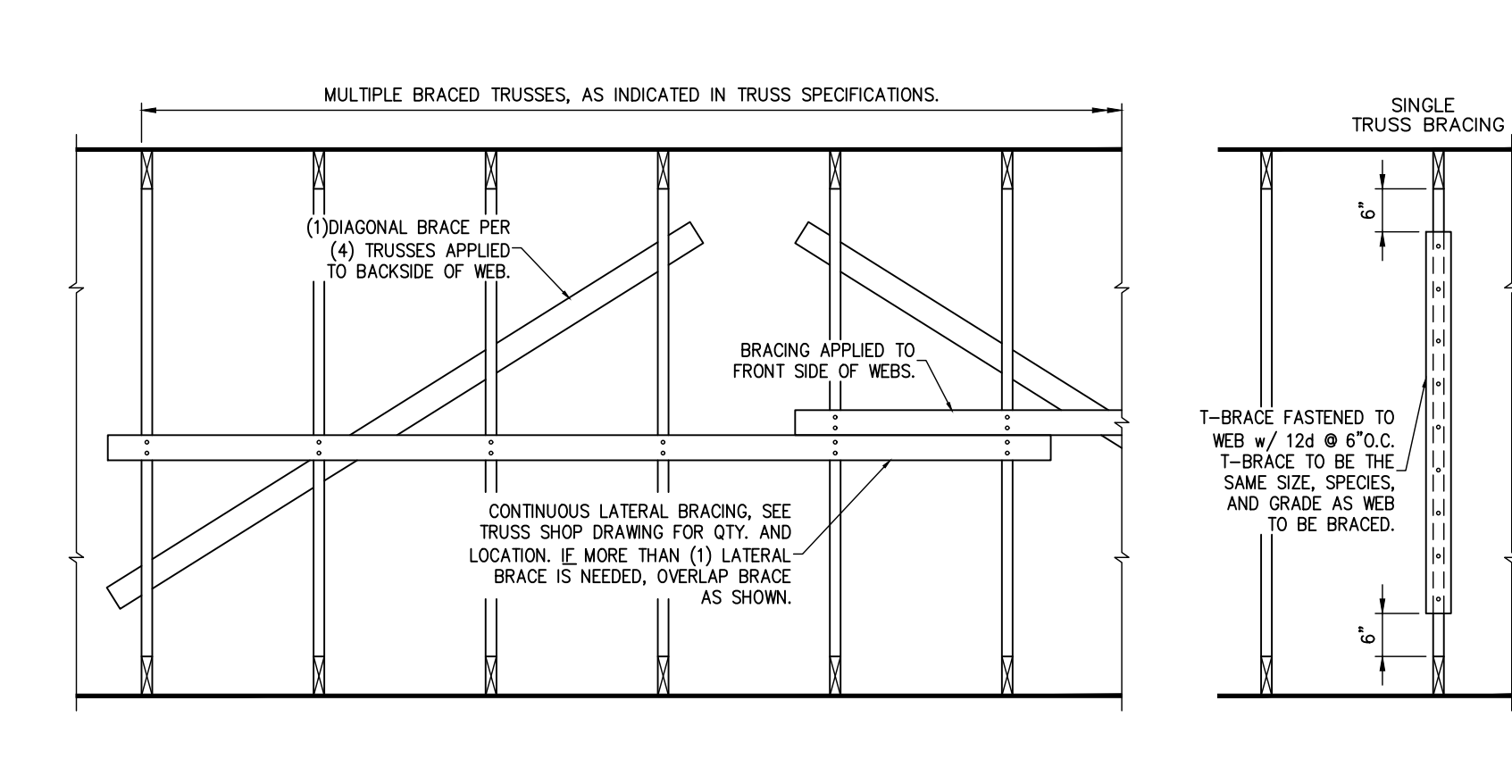


LEDGER CONNECTION

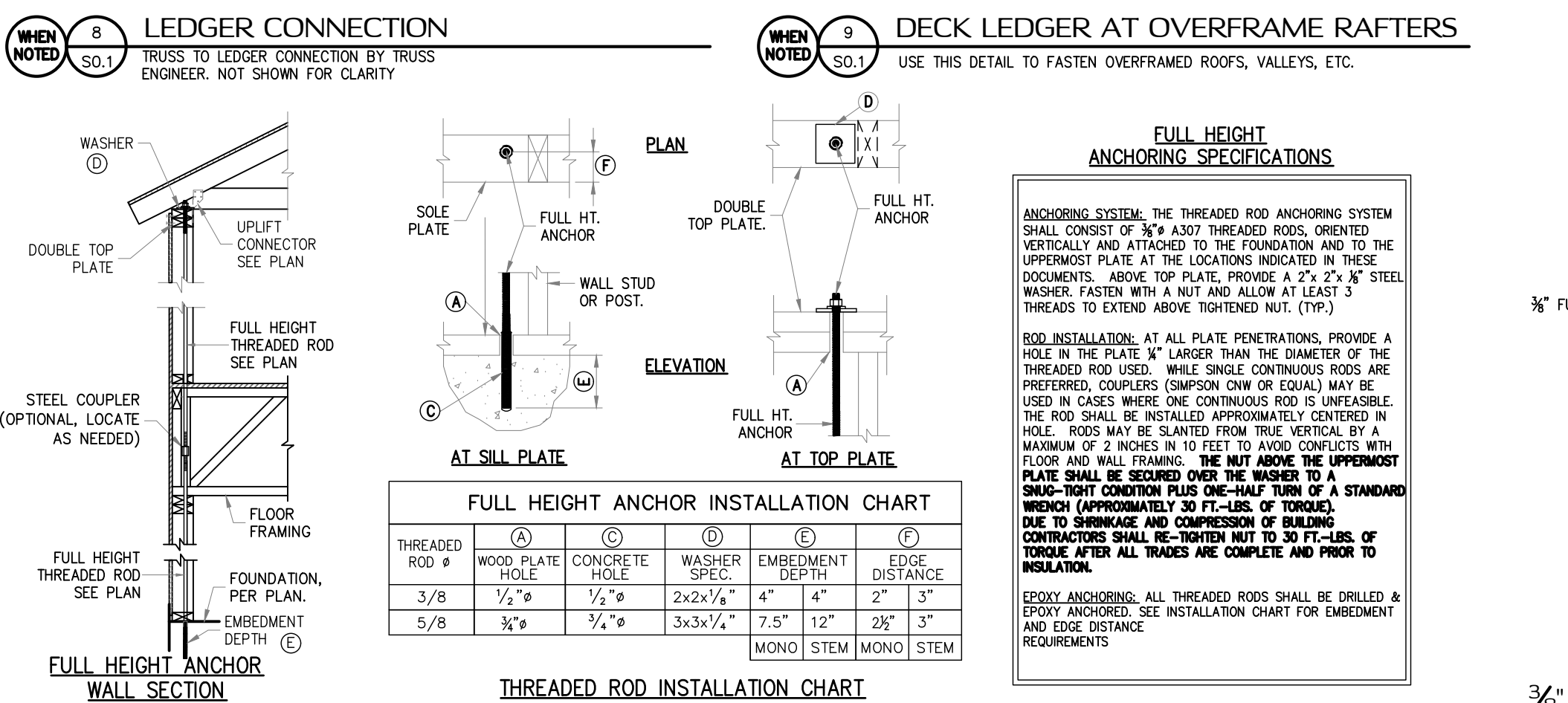
DECK LEDGER AT OVERFRAME RAFTERS



GABLE END BRACING

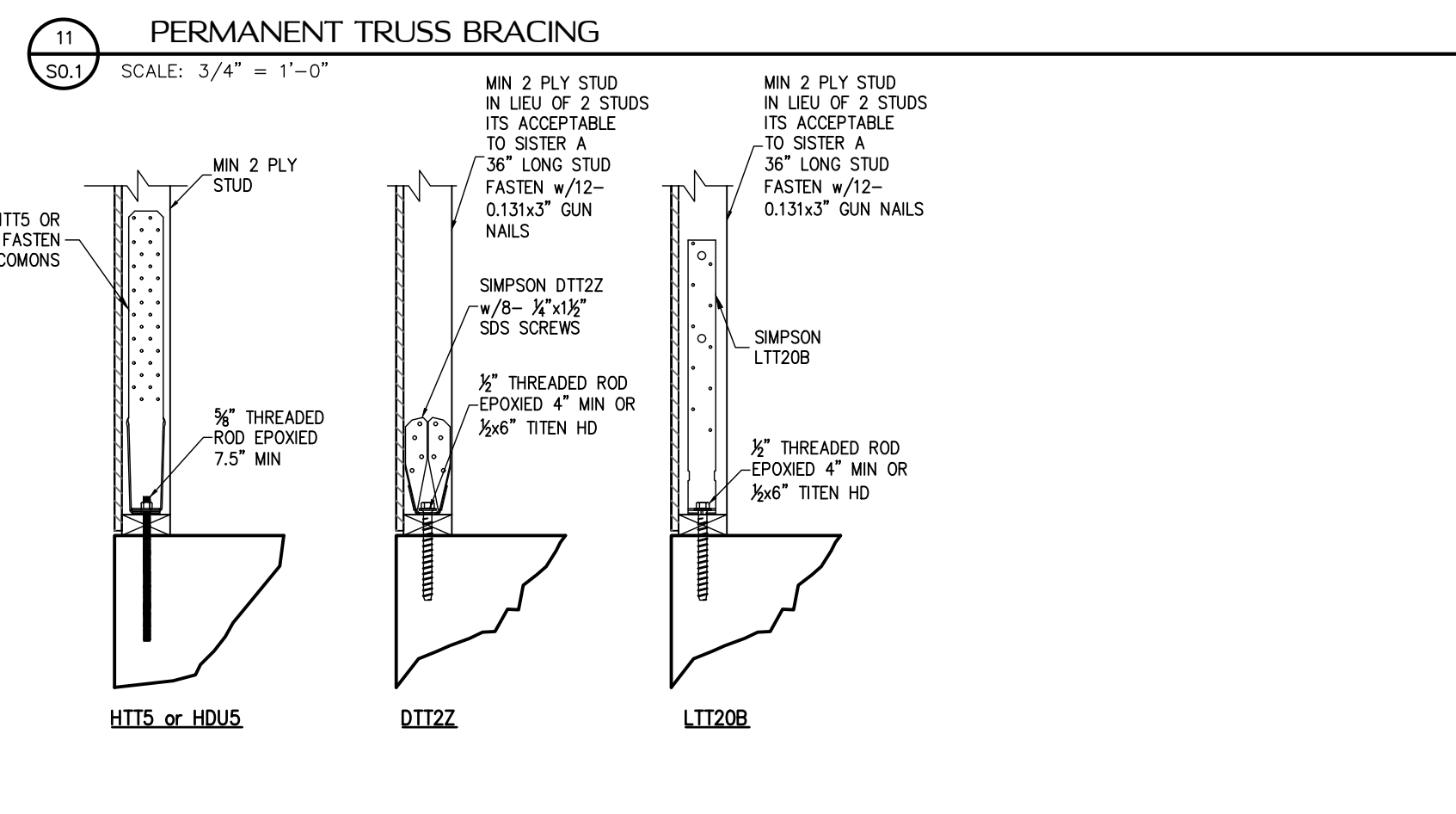


PERMANENT TRUSS BRACING

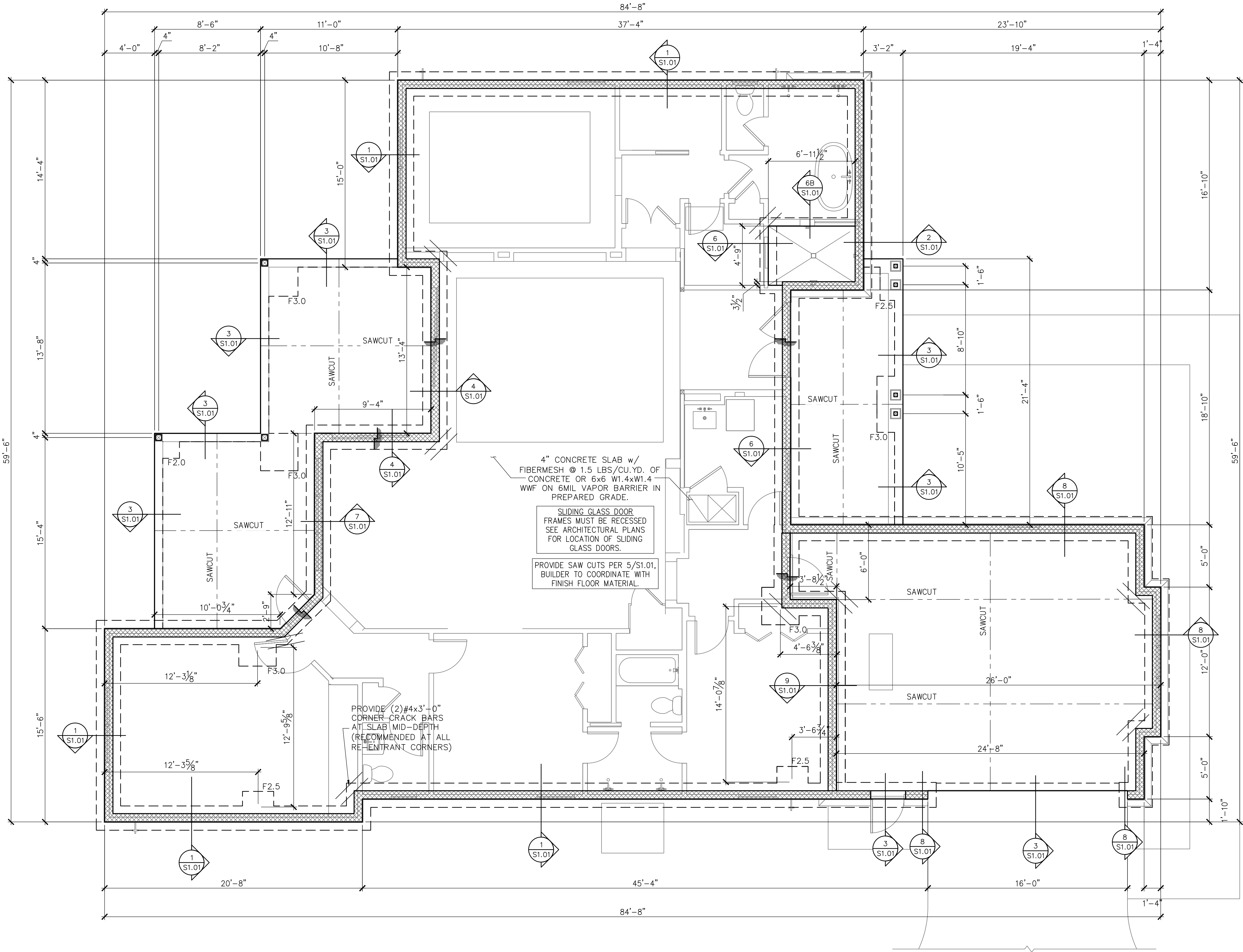


FULL HEIGHT WOOD FRAME WALL ANCHORING SYSTEM

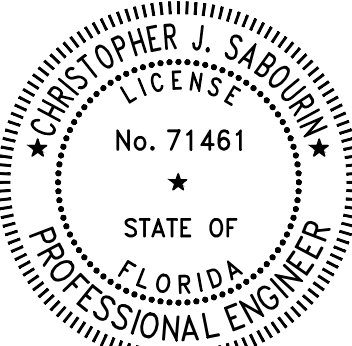
3/8" FULL HEIGHT ROD ALTERNATE ATTACHMENT



HOLD DOWN ATTACHMENT DETAIL



SYMBOLS LEGEND	
	DESIGNATES FOOTING LINE
	DESIGNATES SAWCUT LINE
	STEM WALL FOOTING
	DESIGNATES SLAB RECESS



10.09.23
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PLAN NAME	SCHNEIDER
SSE No.	22-0570

ISSUE	DATE
PERMIT	11.23.22
REVISIONS	DATE
CARPORT	10.09.23

STRUCTURAL ENGINEERING FOR
SCHNEIDER RESIDENCE

FIELD ALTERATION
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STRUCTURAL ENGINEERING PRIOR TO
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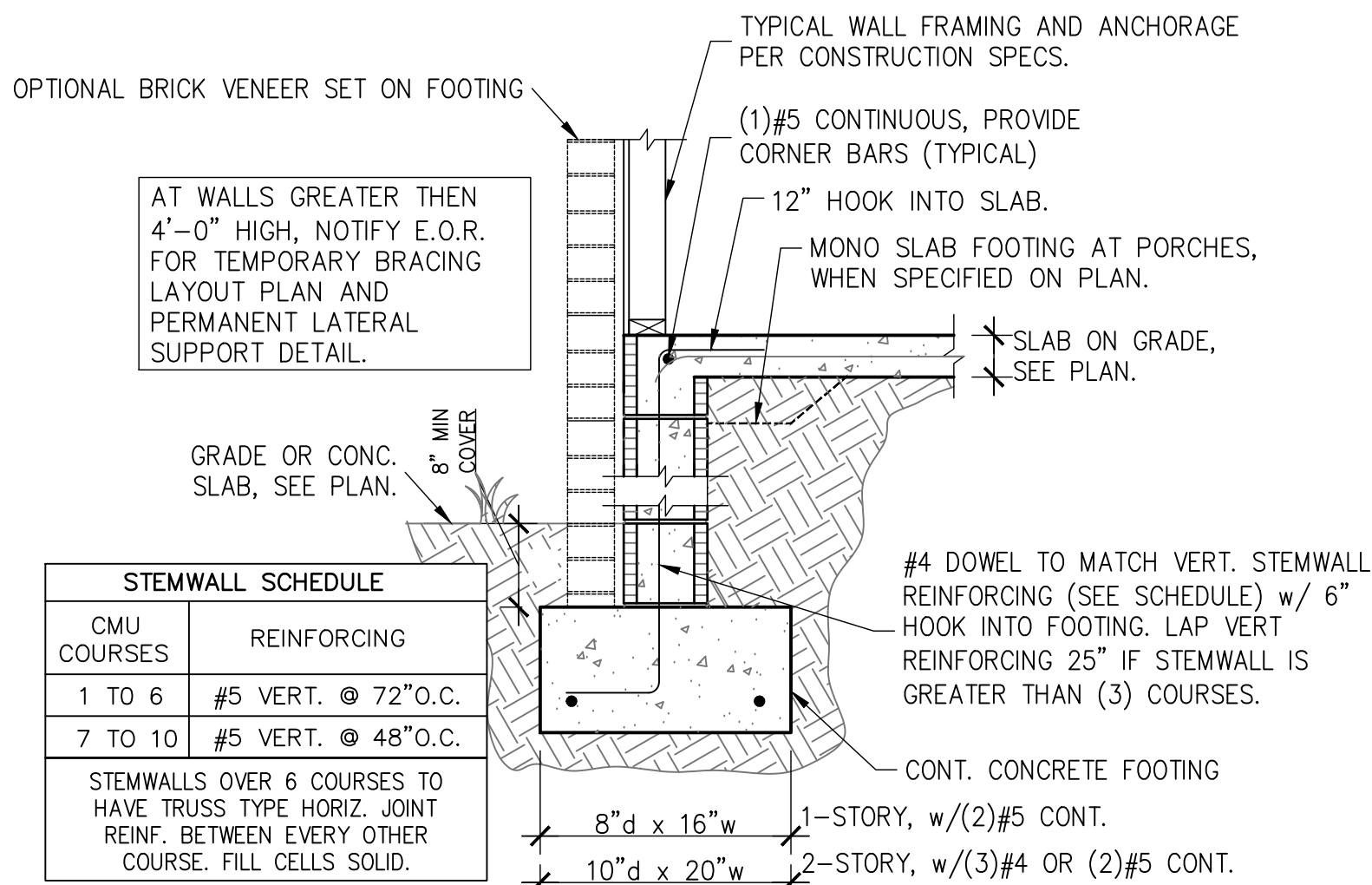
FOUNDATION
PLAN

SHEET
S1.0
SHEET 3 OF 8

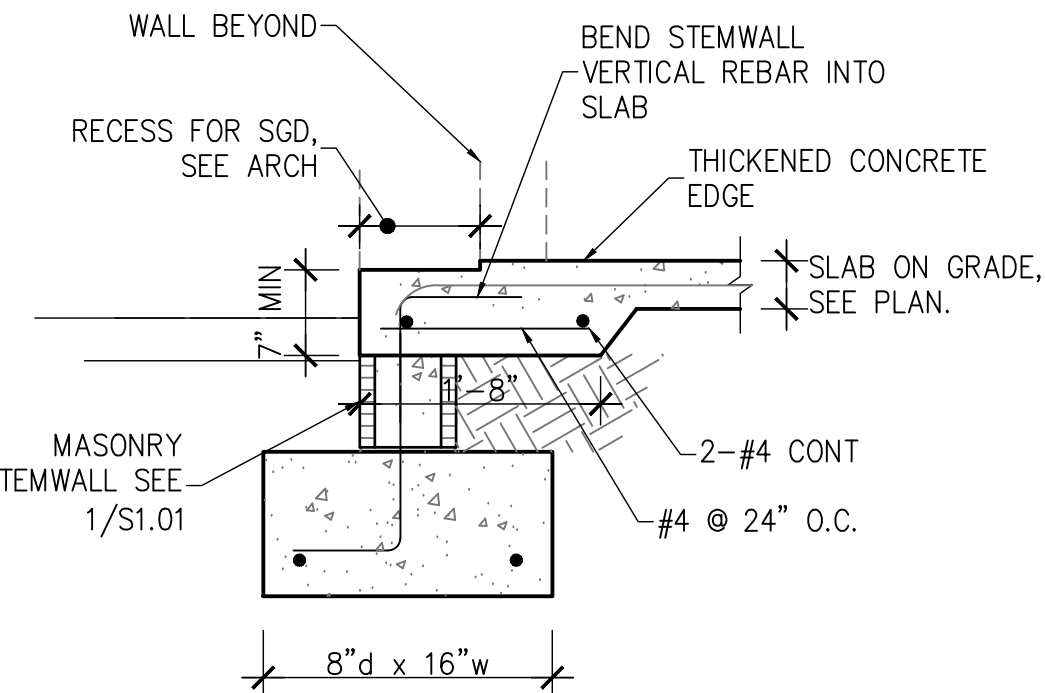
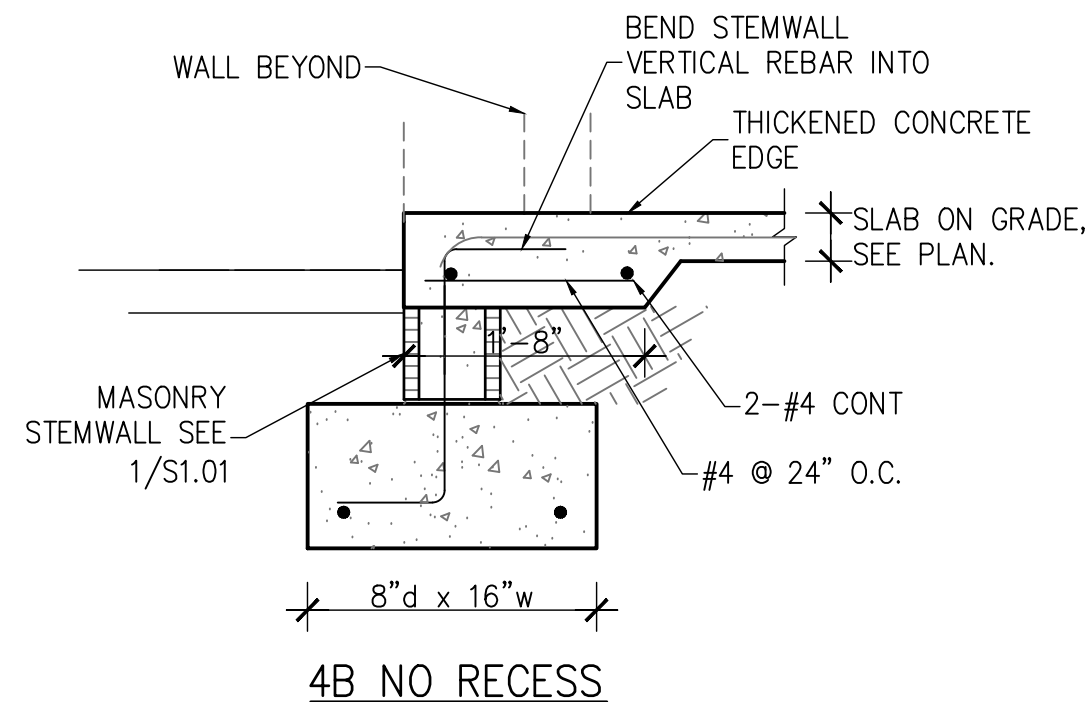
FOOTING SCHEDULE AND NOTES				
TYPE	LENGTH	WIDTH	DEPTH	BOTTOM BARS
F2.0	2'-0"	2'-0"	1'-0"	3-#5 EA. WAY BOT.
F2.5	2'-6"	2'-6"	1'-0"	3-#5 EA. WAY BOT.
F3.0	3'-0"	3'-0"	1'-0"	3-#5 EA. WAY BOT.
F3.5	3'-6"	3'-6"	1'-0"	4-#5 EA. WAY BOT.
F4.0	4'-0"	4'-0"	1'-0"	4-#5 EA. WAY BOT.
F4.5	4'-6"	4'-6"	1'-0"	4-#5 EA. WAY BOT.

- THIS FOUNDATION PLAN ONLY CONVEYS STRUCTURAL INFO. RELATED TO THE FOUNDATION. FOR GENERAL FEATURES, DIMENSIONS, CONDUITS, ELECTRICAL EMBEDS, STEP HEIGHTS, ECT., SEE ARCH. PLAN. ARCHITECTURAL PLAN SHOWN HERE IN FOR REFERENCE ONLY.
- FTGS. & FND. SHALL BE IN ACCORDANCE W/ LOCAL BUILDING CODES.
- SOIL COMPACTION AND FILL SHALL BE COMPACTED TO A MIN. OF 95% MODIFIED PROCTOR IN ACCORDANCE WITH ASTM D 1557.

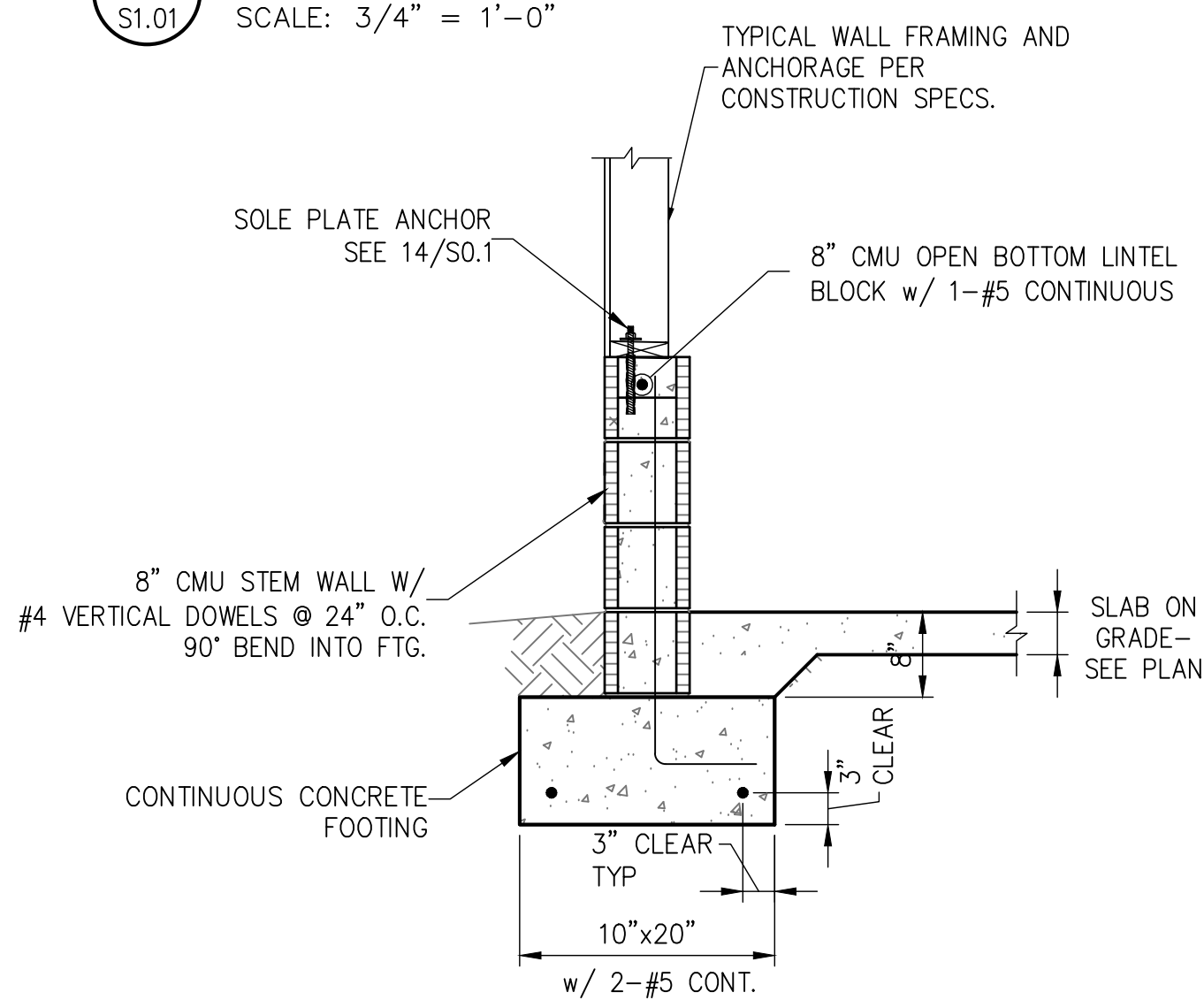
FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



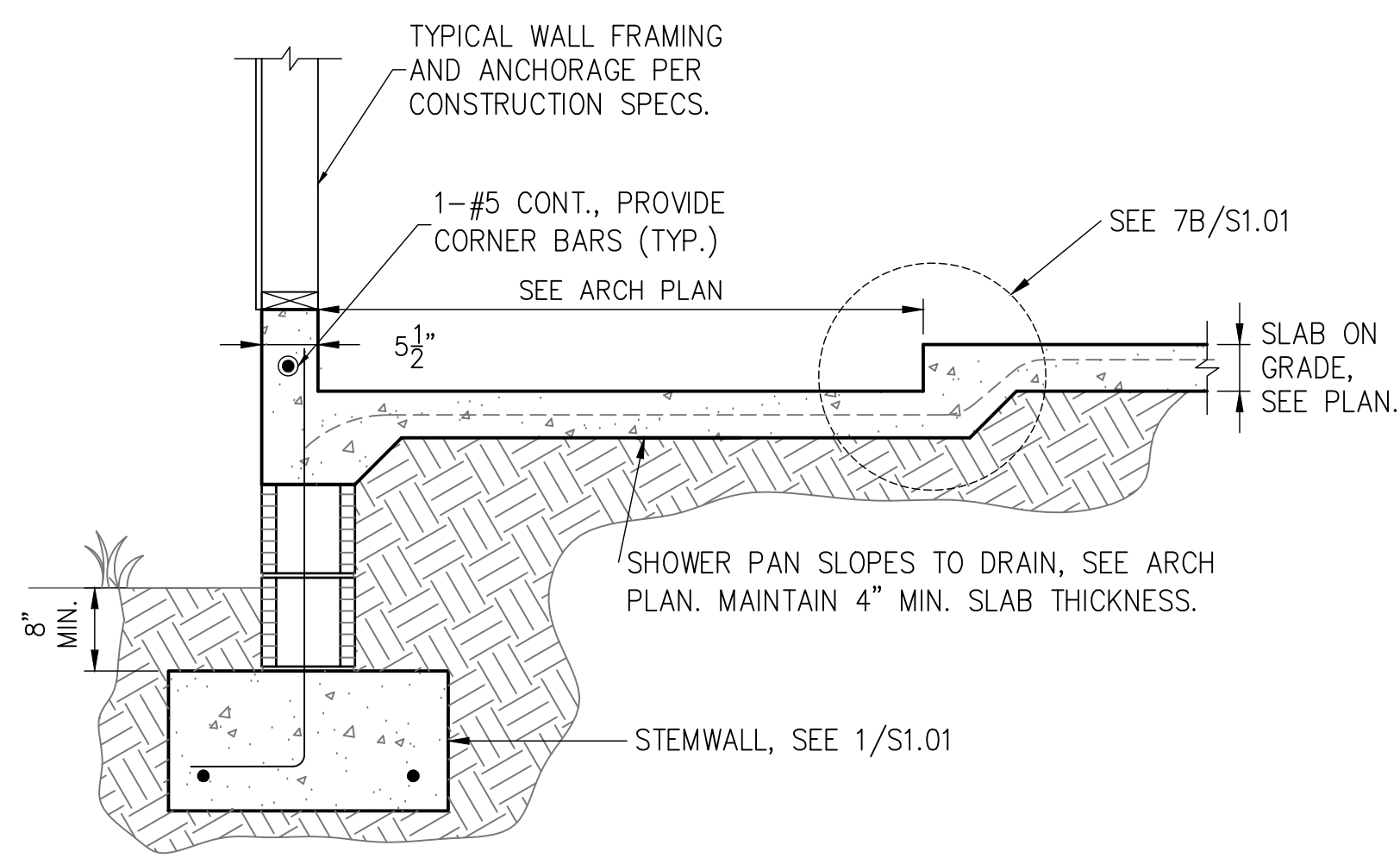
1 STEMWALL FOOTING
S1.01 SCALE: 3/4" = 1'-0"



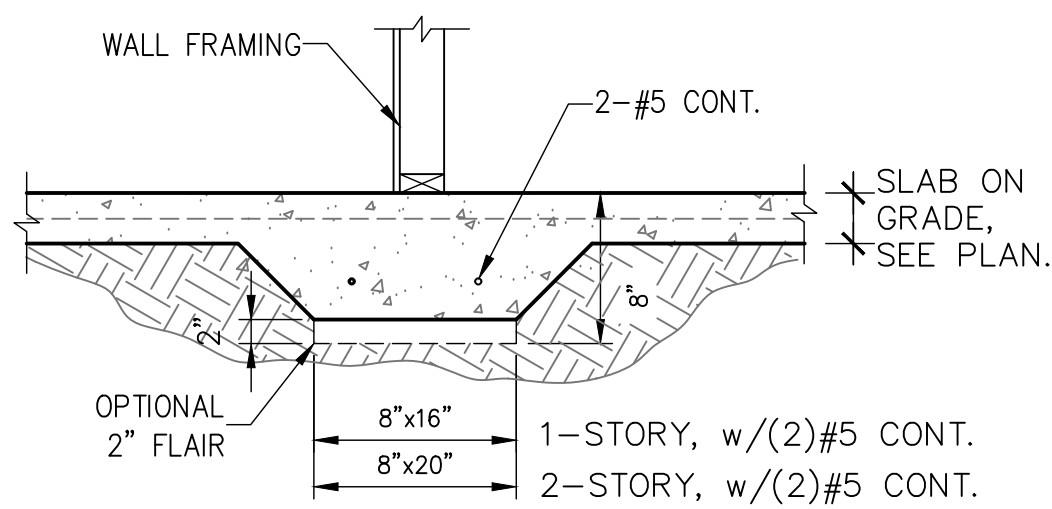
4 STEMWALL FOOTING AT SLIDER
S1.01 SCALE: 3/4" = 1'-0"



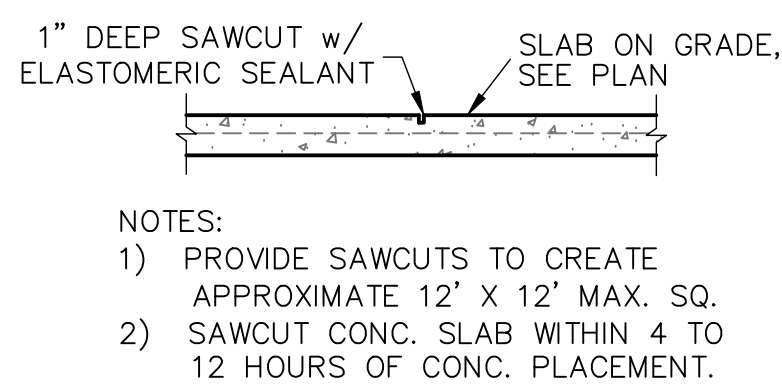
8 GARAGE STEM WALL
S1.01 (IF REQUIRED)



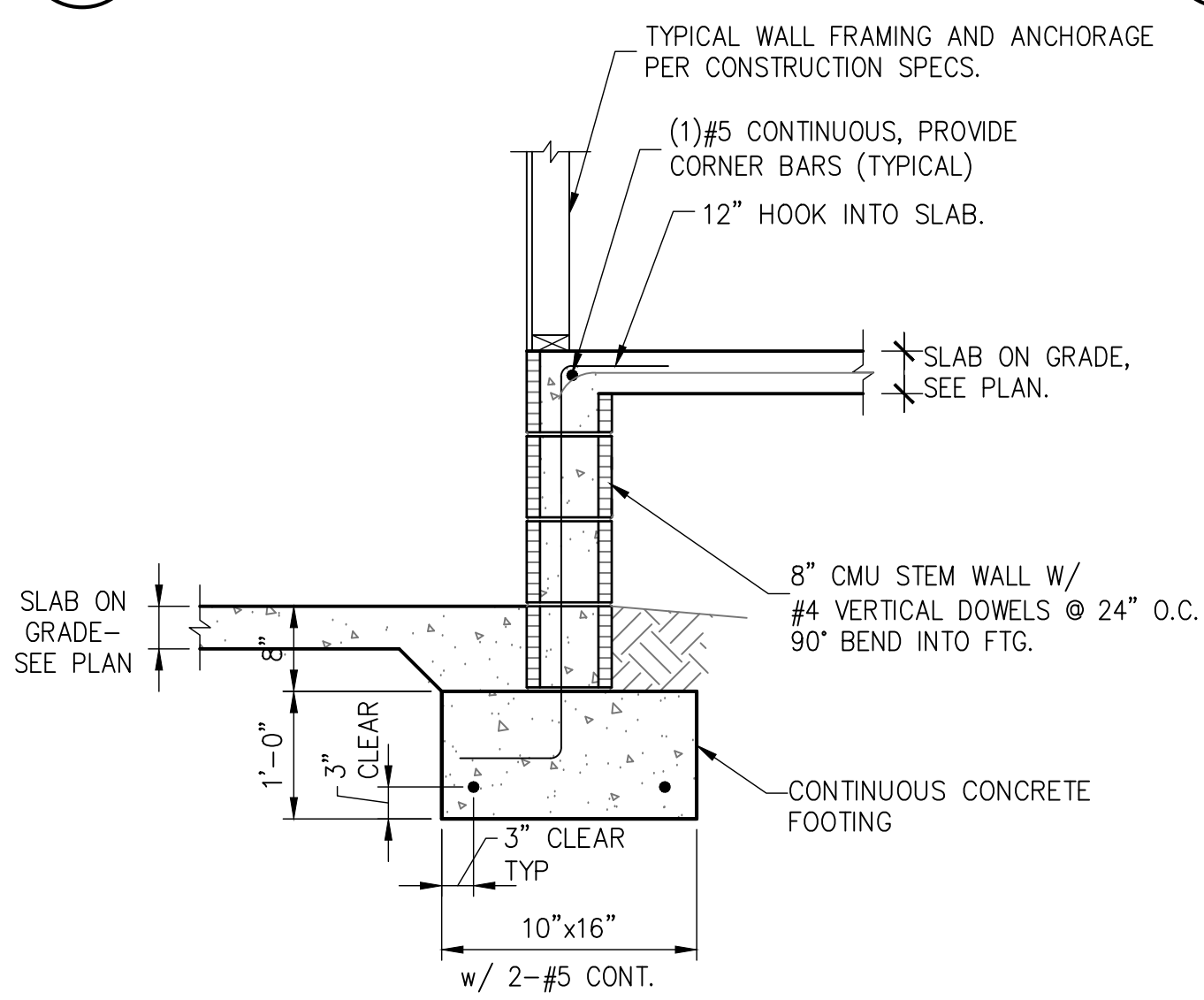
2 FOOTING W/ SHOWER RECESS
S1.01 SCALE: 3/4" = 1'-0"



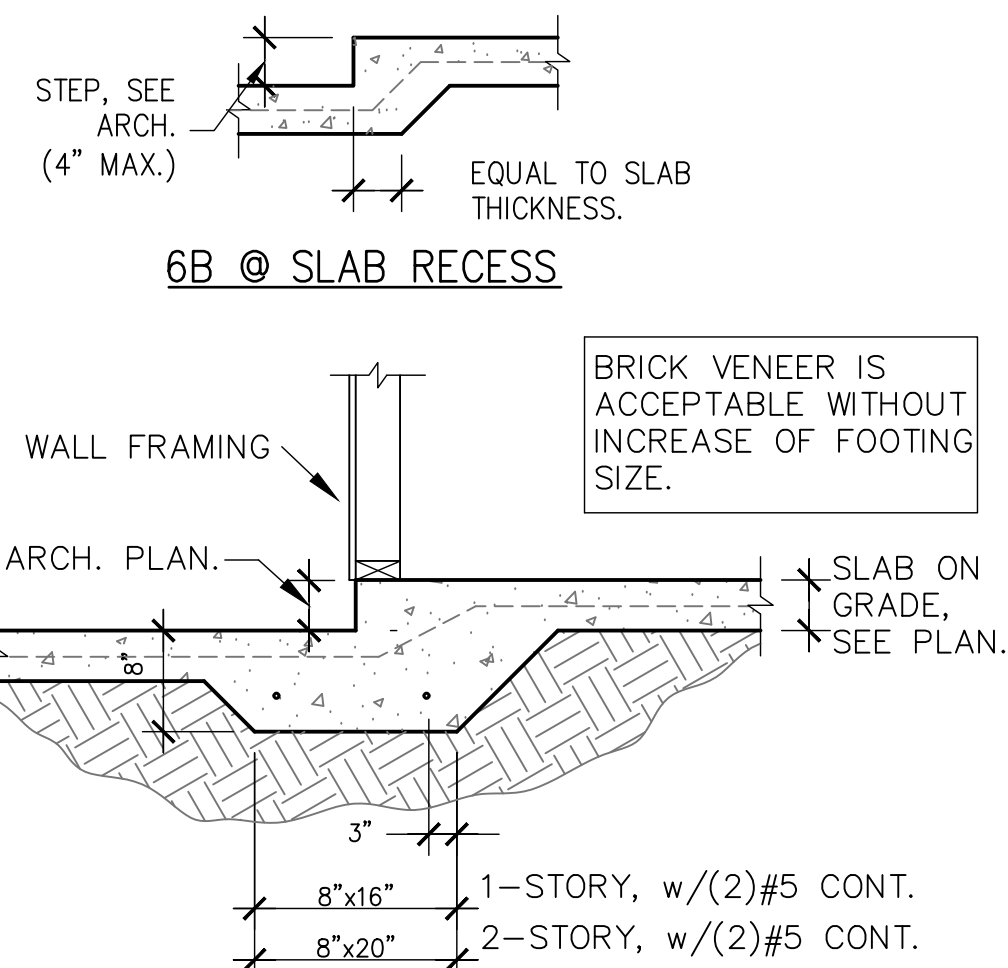
6 BEARING AT INTERIOR
S1.01 SCALE: 3/4" = 1'-0"



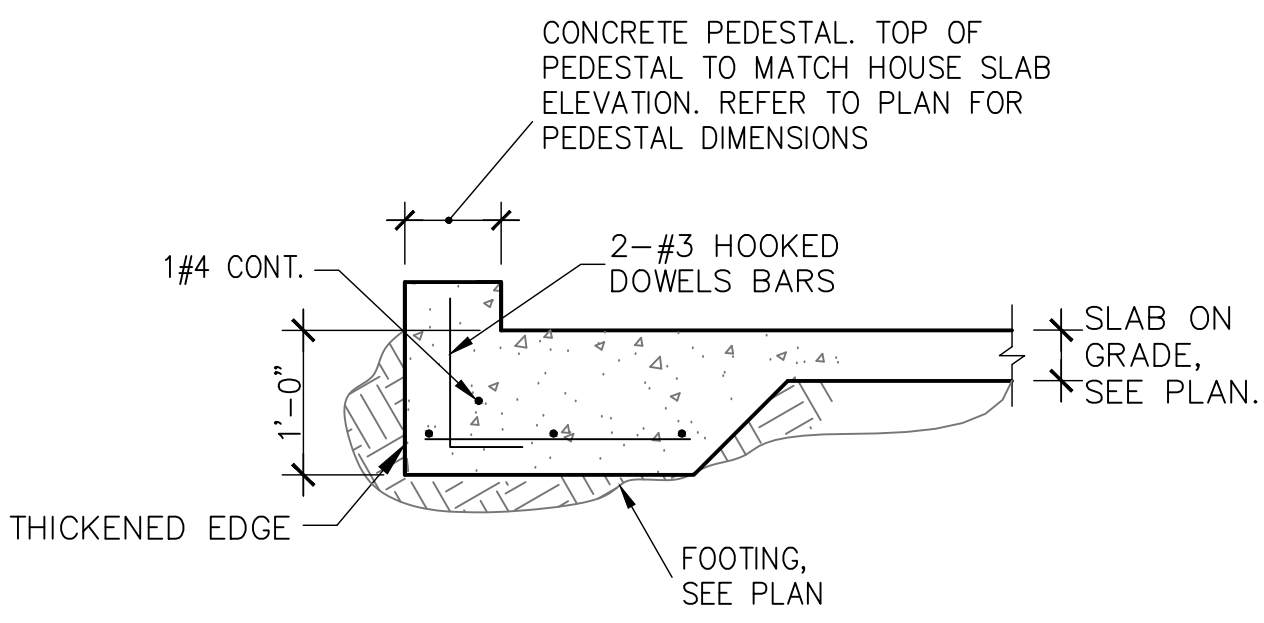
5 SAW CUT DETAIL
S1.01 SCALE: 3/4" = 1'-0"



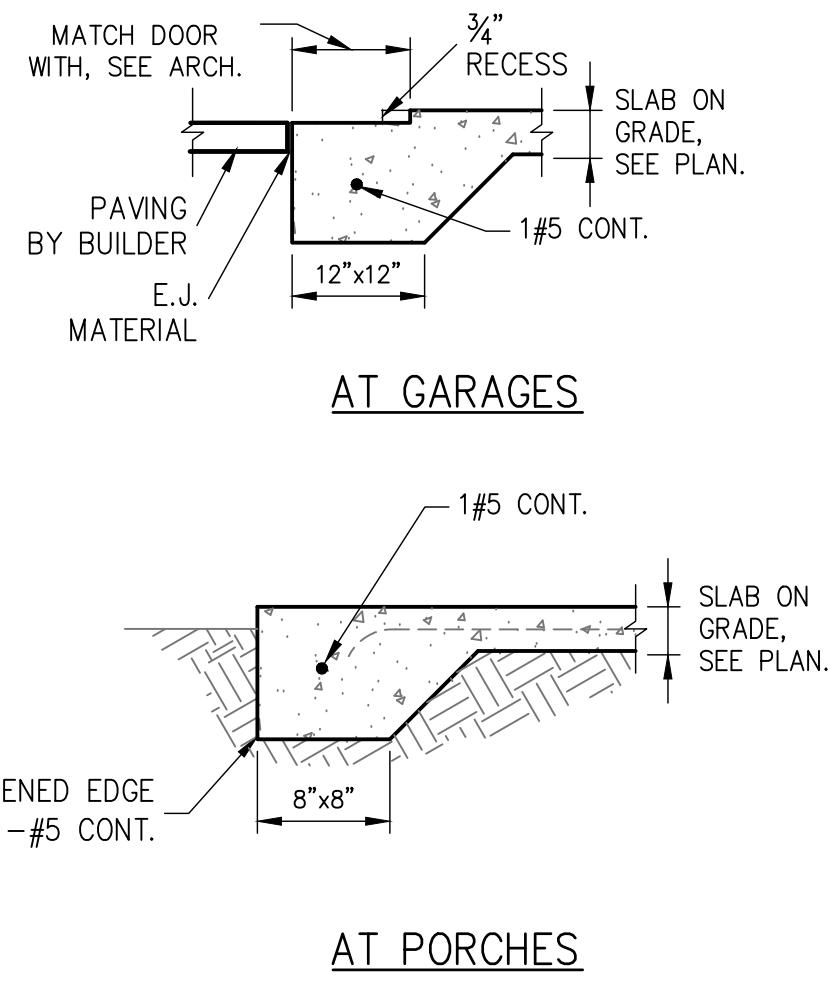
9 STEMWALL AT GARAGE
S1.01 SCALE: 3/4" = 1'-0"



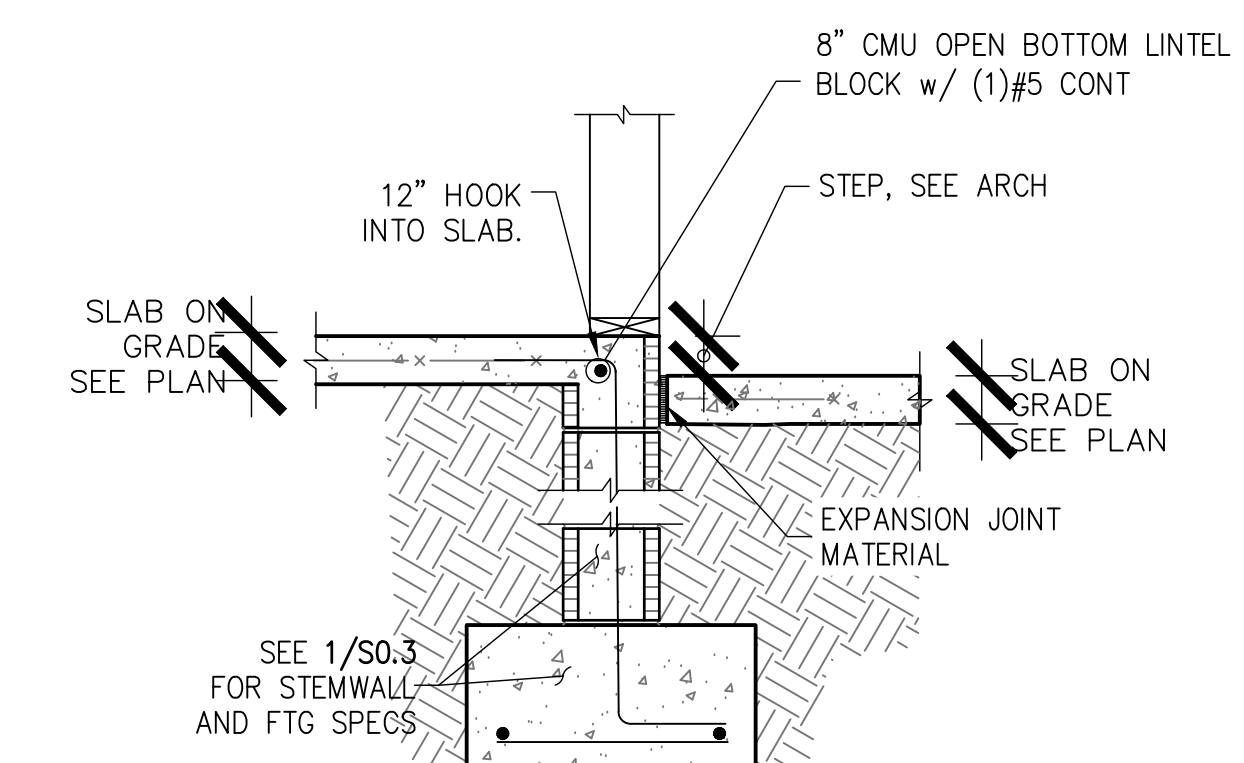
6 MONO. FOOTING AT STEP-DOWN
S1.01 SCALE: 3/4" = 1'-0"



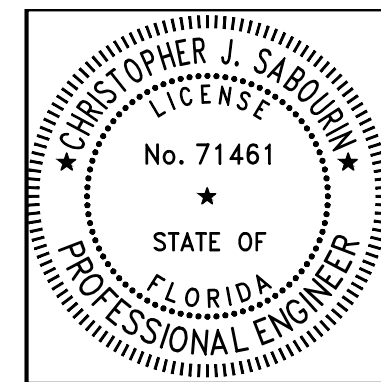
10 PEDESTAL AT PORCH SLAB
S1.01



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



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



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PLAN NAME
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SSE No.
22-0570

ISSUE	DATE
PERMIT	11.23.22
REVISIONS	DATE
△ CARPORT	10.09.23

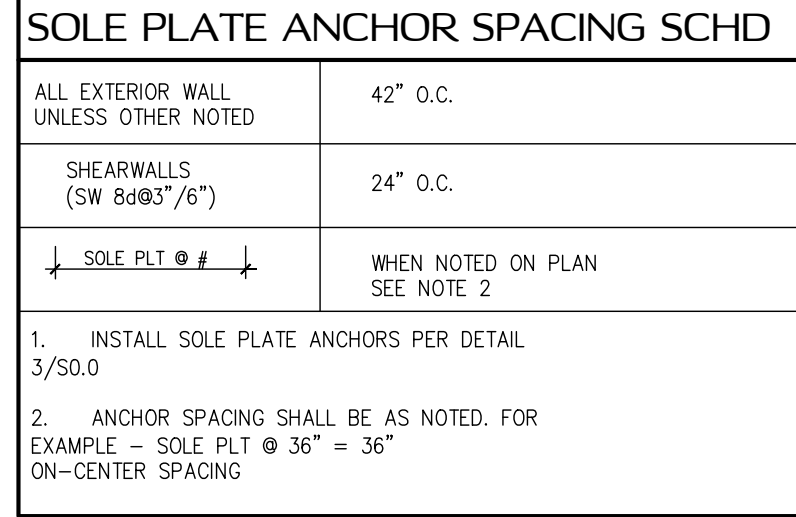
STRUCTURAL ENGINEERING FOR
SCHNEIDER RESIDENCE

FIELD ALTERATION
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FOUNDATION
DETAILS

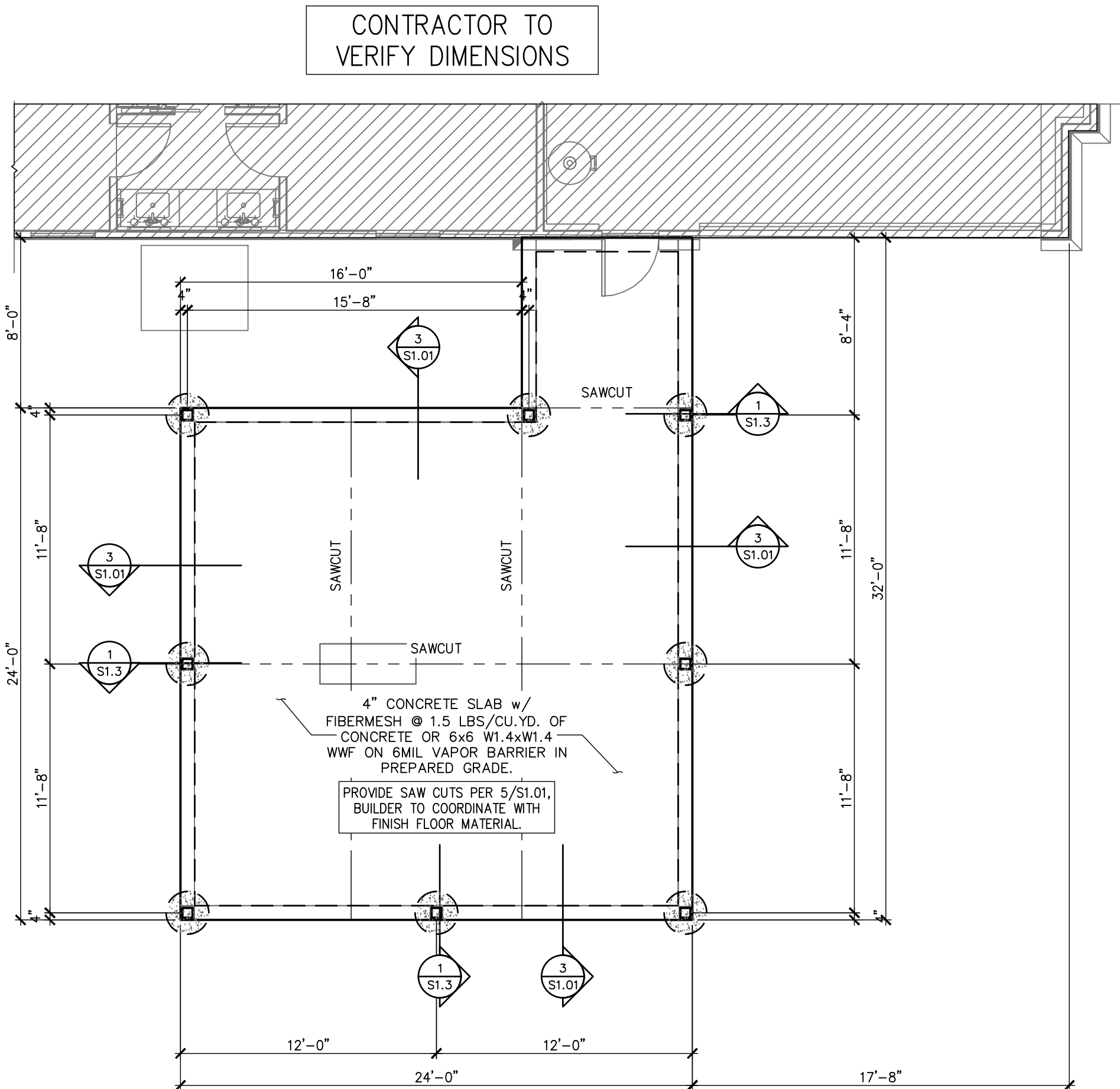
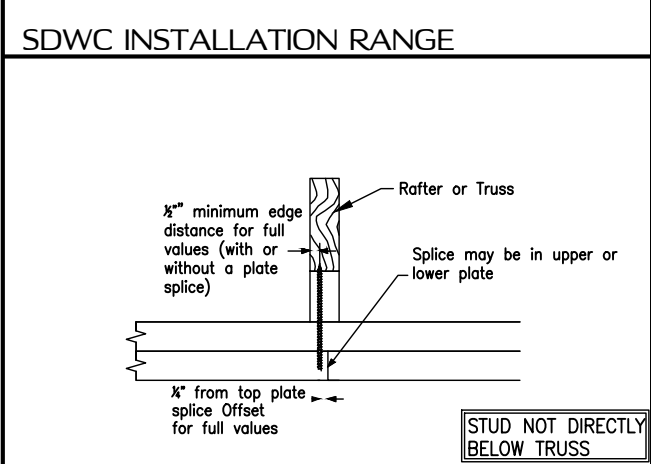
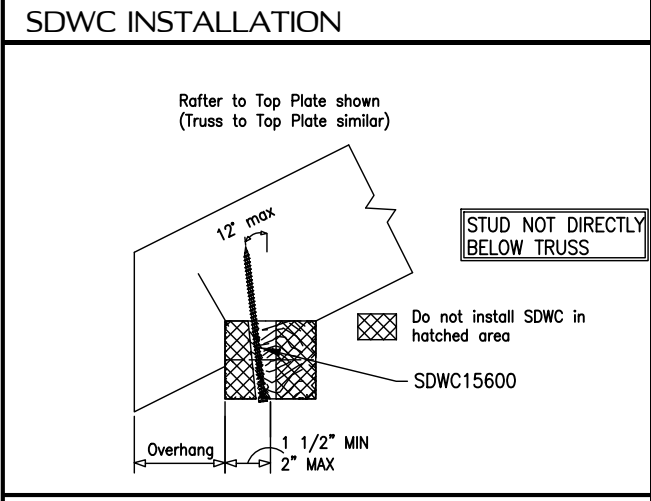
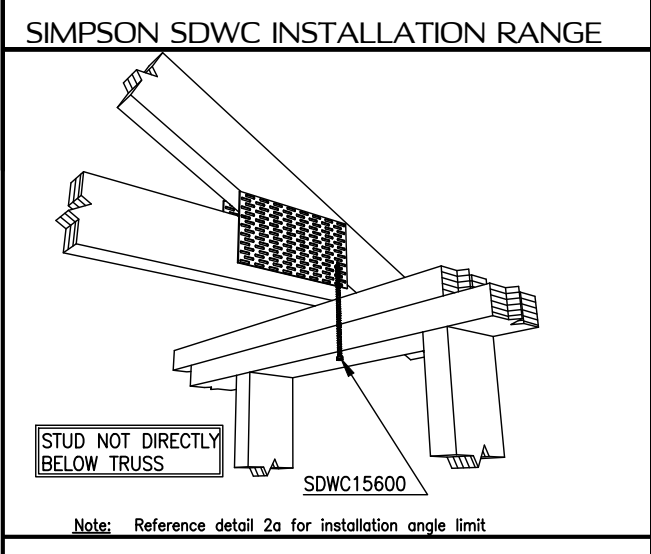
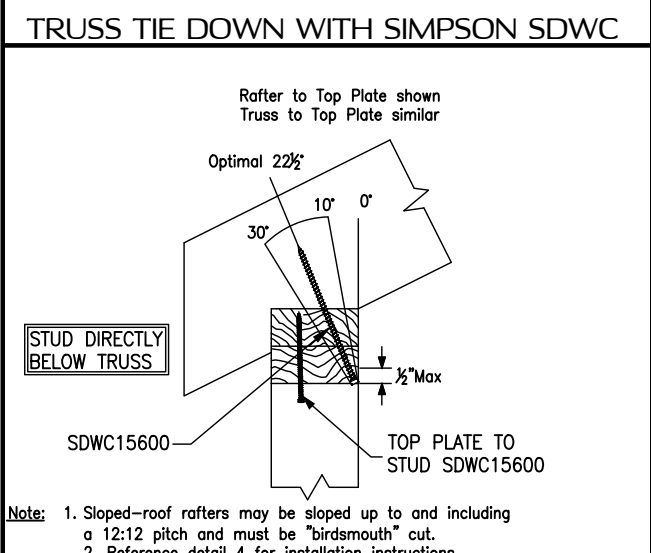
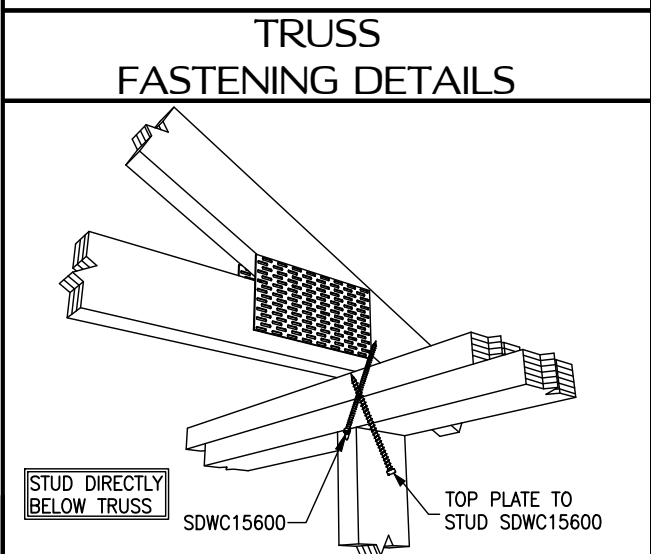
SHEET
S1.01
SHEET 4 OF 8



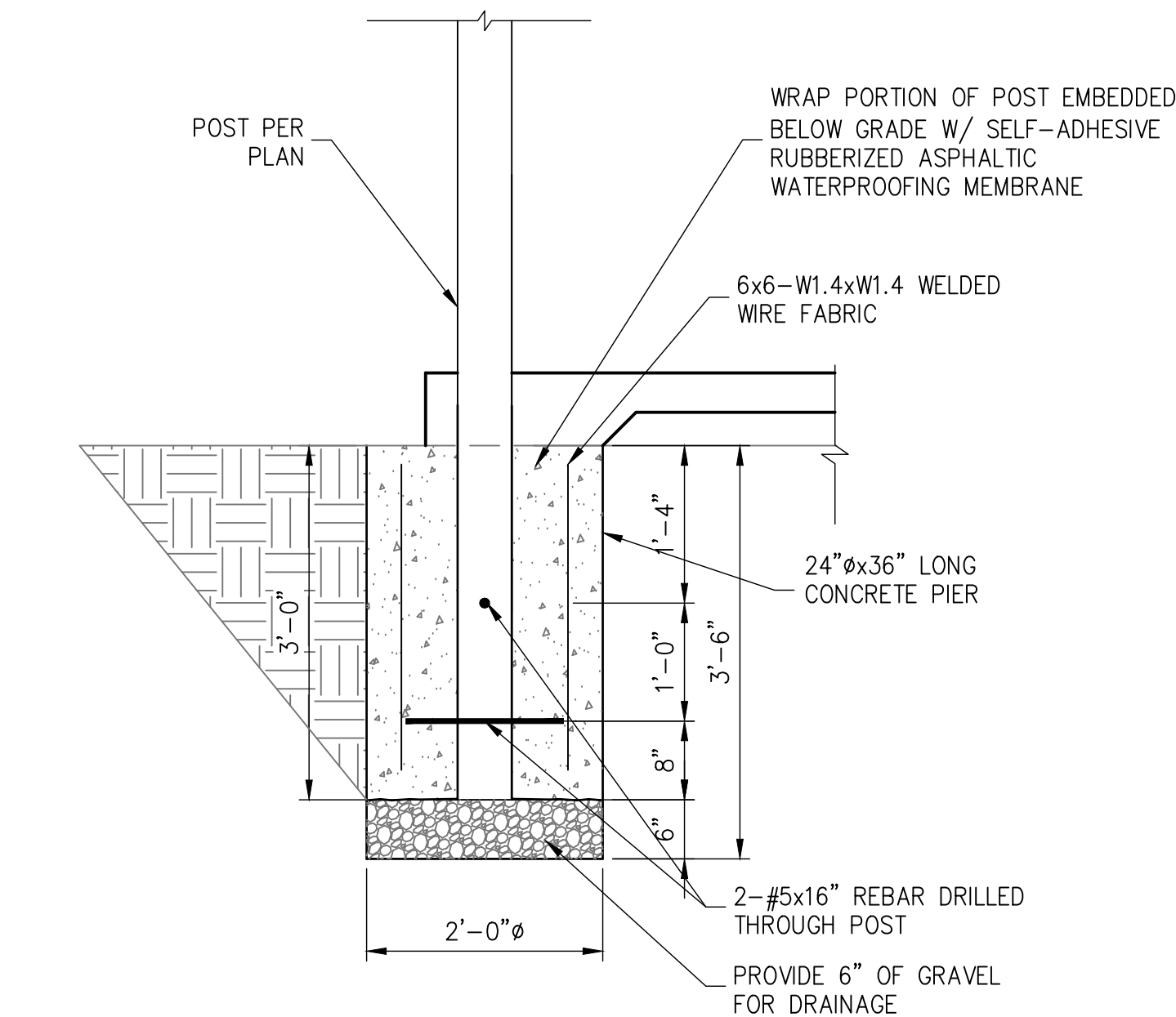
SYMBOLS LEGEND	
	DESIGNATES FOOTING LINE
	DESIGNATES SAWCUT LINE
	STEM WALL FOOTING
	DESIGNATES SLAB RECESS

FOOTING SCHEDULE AND NOTES				
TYPE	LENGTH	WIDTH	DEPTH	BOTTOM BARS
F2.0	2'-0"	2'-0"	1'-0"	3-#5 EA. WAY BOT.
F2.5	2'-6"	2'-6"	1'-0"	3-#5 EA. WAY BOT.
F3.0	3'-0"	3'-0"	1'-0"	3-#5 EA. WAY BOT.
F3.5	3'-6"	3'-6"	1'-0"	4-#5 EA. WAY BOT.
F4.0	4'-0"	4'-0"	1'-0"	4-#5 EA. WAY BOT.
F4.5	4'-6"	4'-6"	1'-0"	4-#5 EA. WAY BOT.
1. THIS FOUNDATION PLAN ONLY CONVEYS STRUCTURAL INFO. RELATED TO THE FOUNDATION. FOR GENERAL FEATURES, DIMENSIONS, CONDUTS, ELECTRICAL EMBEDS, STEP HEIGHTS, ECT., SEE ARCH. PLAN. ARCHITECTURAL PLAN SHOWN HERE IN FOR REFERENCE ONLY.				
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SYMBOLS LEGEND	
HTS16	DESIGNATES UPLIFT CONNECTION.
FRAMING PLAN NOTES:	
1. FOR TYPICAL ROOF SHEATHING AND FRAMING, SEE SHEET S0.0.	
2. FOR SPECIFIC UPLIFT CONNECTIONS, SEE PLAN MIN. (TYPING) CONNECTION.	
3. FOR GENERAL DESIGN SPECIFICATIONS, SEE SHEET S0.0.	
4. WHEN USING CONCRETE CLIPS ON 1/2" WIDE LUMBER, PLACE CLIPS DIAGONALLY ACROSS DOUBLE TOP PLATE FROM EACH OTHER.	



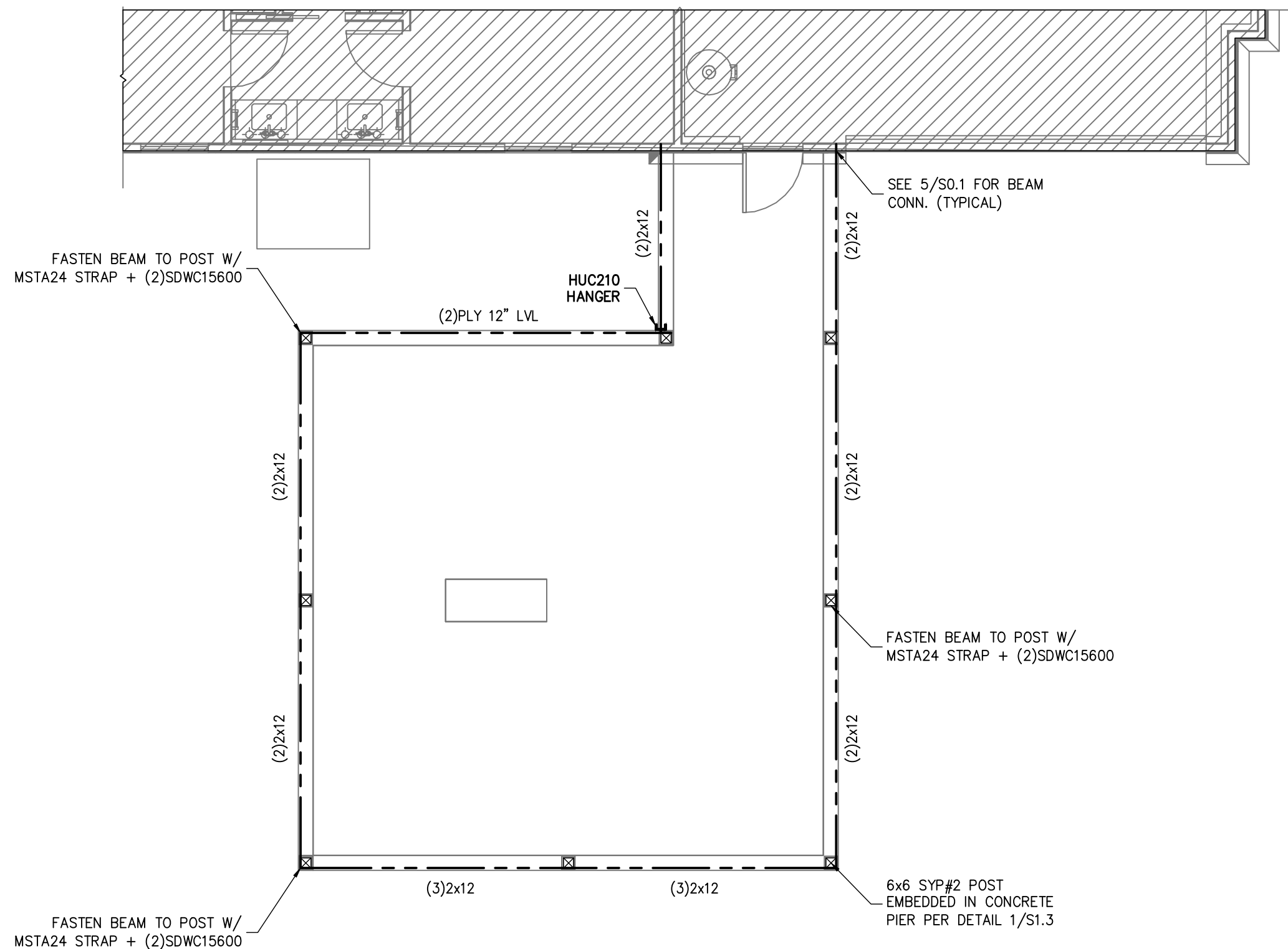
CARPORT FOUNDATION PLAN
SCALE: 3/16" = 1'-0"



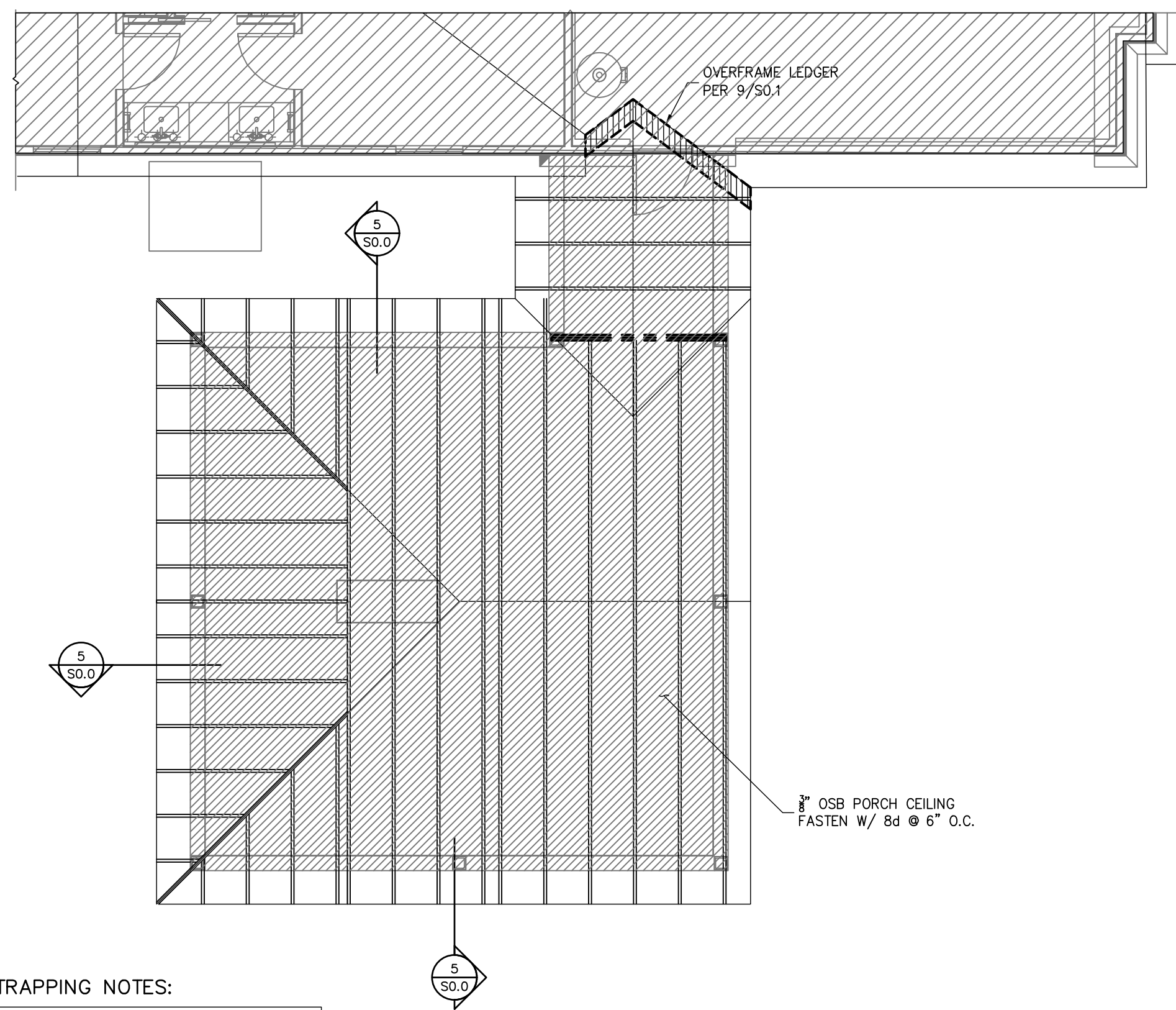
1
S1.3
EMBEDDED POST DETAIL
SCALE: 3/4" = 1'-0"

ROOF TRUSS & RAFTER STRAPPING NOTES:

- STRAP ROOF TRUSSES AND ROOF RAFTERS TO BEARING WITH 2-12D TOENAILS & 1-SIMPSON SDWC15600 SCREWS UNLESS OTHERWISE NOTED.



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



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

SYMBOLS LEGEND	
	DESIGNATES OSB SHEARWALL. THE HIDDEN LINE DESIGNATES SEE IF WALL THIN SHEARWALL SHEATHING TO BE APPLIED. SEE 86 @ 8" O.C. "IN THE FIELD"
	DESIGNATES THE HEADER SIZE, NUMBER OF PLAYS & JACO STUDS NEEDED FOR SUPPORT HEADERS.
	BEAM OR TRUSS, SEE PLAN
ANCHOR LEGEND	
	1/2" DIA. DIAMETER FULL HEIGHT THREADED ROD, SEE DETAIL 12/SO.1
	5/8" DIA. DIAMETER FULL HEIGHT THREADED ROD, SEE DETAIL 12/SO.1
	1/2" DIA. DIAMETER THREADED ROD TERMINATES AT FIRST FLOOR TOP PLATE, SEE DETAIL 12/SO.1
	5/8" DIA. DIAMETER THREADED ROD TERMINATES AT FIRST FLOOR TOP PLATE, SEE DETAIL 12/SO.1
	SIMPSON HTS SEE DETAIL 15/SO.1
	SIMPSON DT22 SEE DETAIL 15/SO.1
	SIMPSON LT208 SEE DETAIL 15/SO.1
WALL STUD SCHEDULE	
LOCATION	PLATE HEIGHT & SPACING
EXTERIOR	8'-1" MAX. 2x4 SPF#2 @ 16" O.C.
EXTERIOR	10'-1" MAX. 2x4 SPF#2 @ 15" O.C. SE
EXTERIOR	10'-1" TO 14'-0" MAX. 2x4 SPF#2 @ 15" O.C.
INTERIOR	10'-0" MAX. 2x4 SPF#2 @ 16" O.C.
INTERIOR	12'-0" MAX. 2x4 SPF#2 @ 15" O.C. SE
INTERIOR	12'-0" MAX. 2x4 SPF#2 @ 15" 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 SPF#2 FOR ALL TOP PLATES AND SOLE PLATES.	
5) FASTEN BOTTOM PLATE OF INTERIOR LOAD BEARING WALLS TO CONCRETE SLAB W/ 6x6 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 S0.0 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 ORDERS AND BEAMS, PROVIDE STUDS BELOW TO MATCH BEAM/ORDER PILES.	
2. SEE SHEET S0.0 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 5A/SO.1	
7. AT PORCHES, SEE DETAIL 2/SO.1 FOR FRAMING AND HOLD DOWNS	

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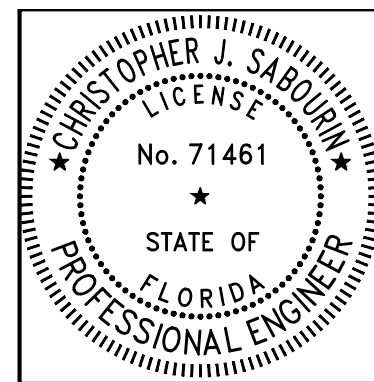
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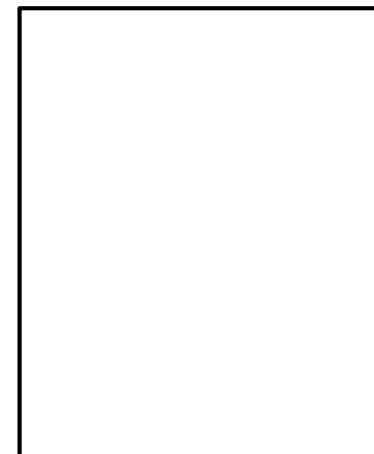
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CARPORT
PLAN

SHEET
S1.3
SHEET 7 OF 8



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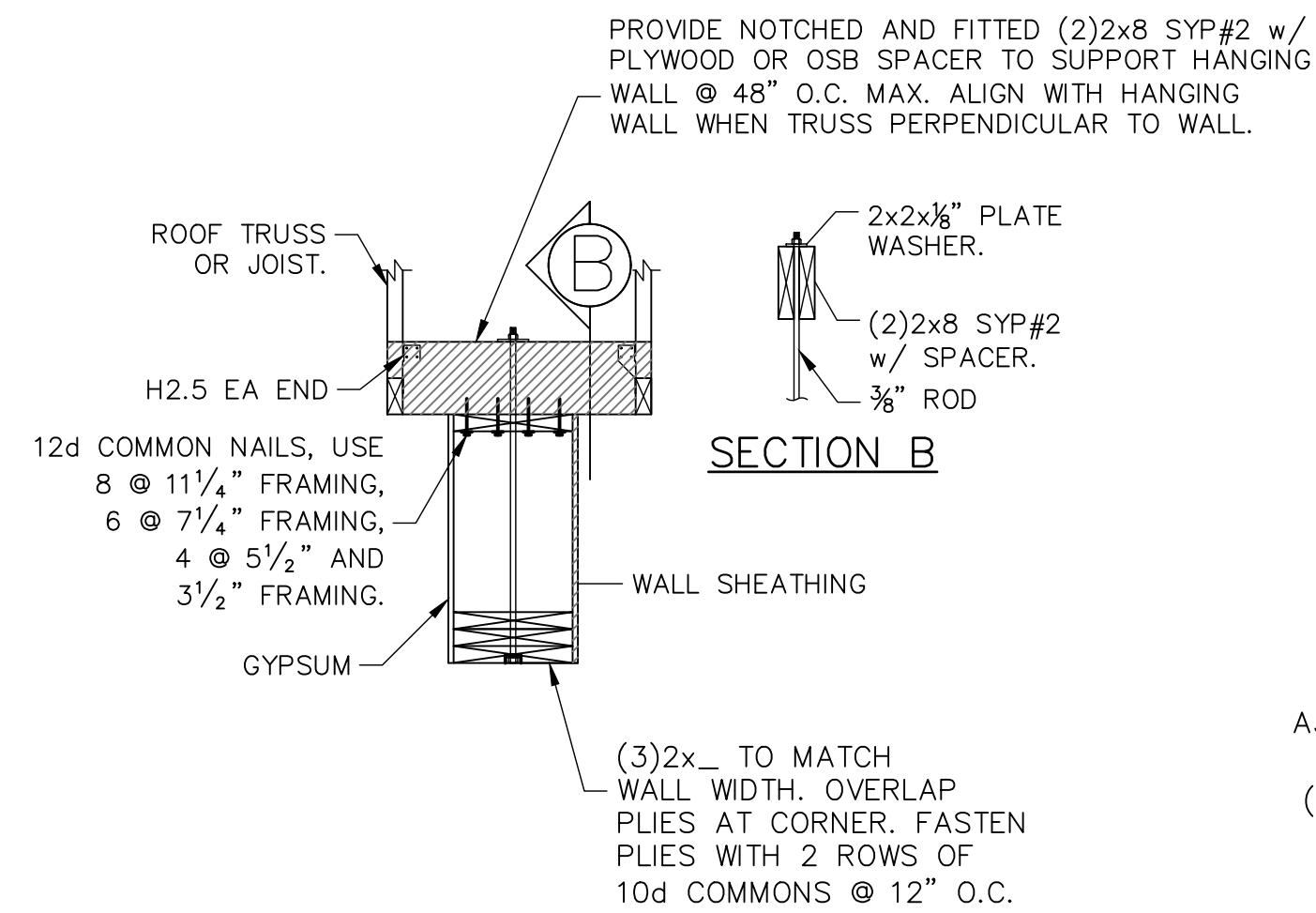
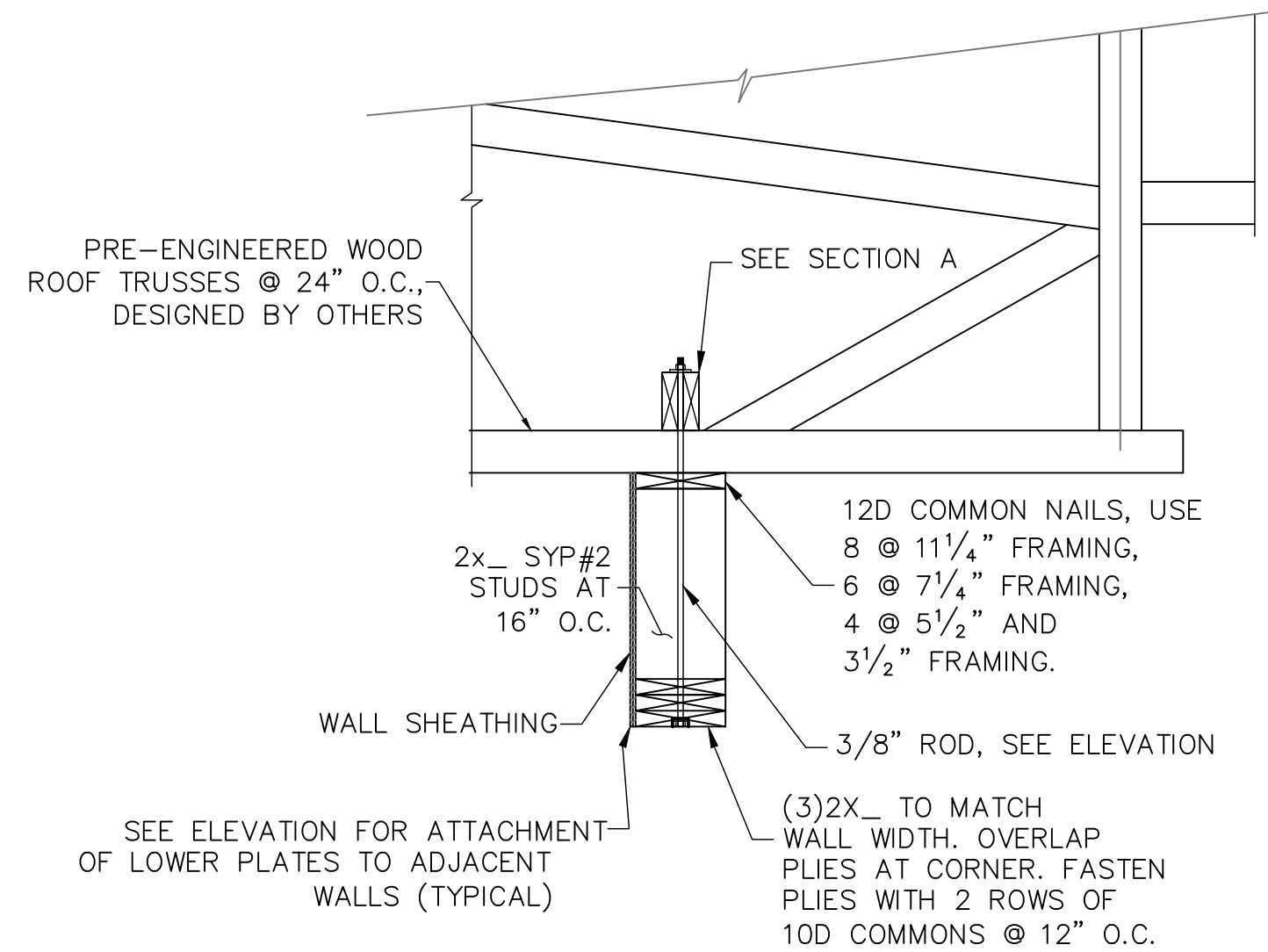
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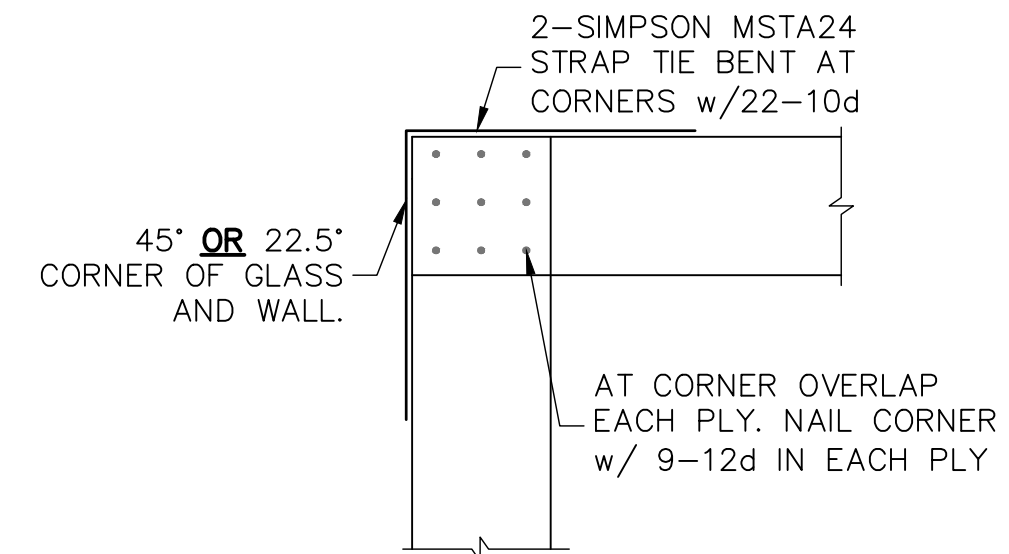
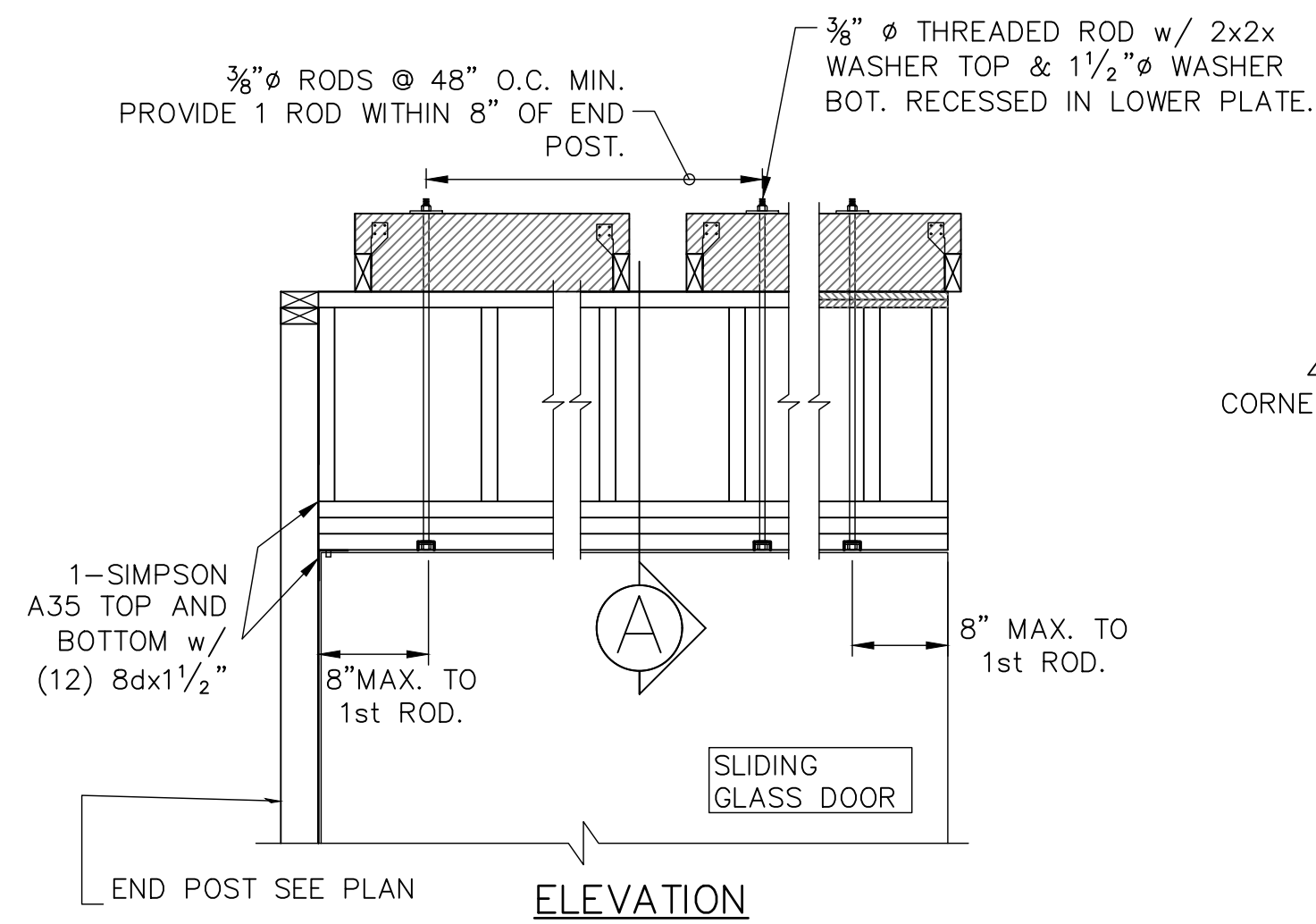
MISC DETAILS

SHEET
S2.0
SHEET 8 OF 8

BUILDER TO VERIFY THAT TRUSSES HAVE
BEEN DESIGNED FOR 100# POINT LOADS
AT MITERED GLASS INTERSECTIONS.

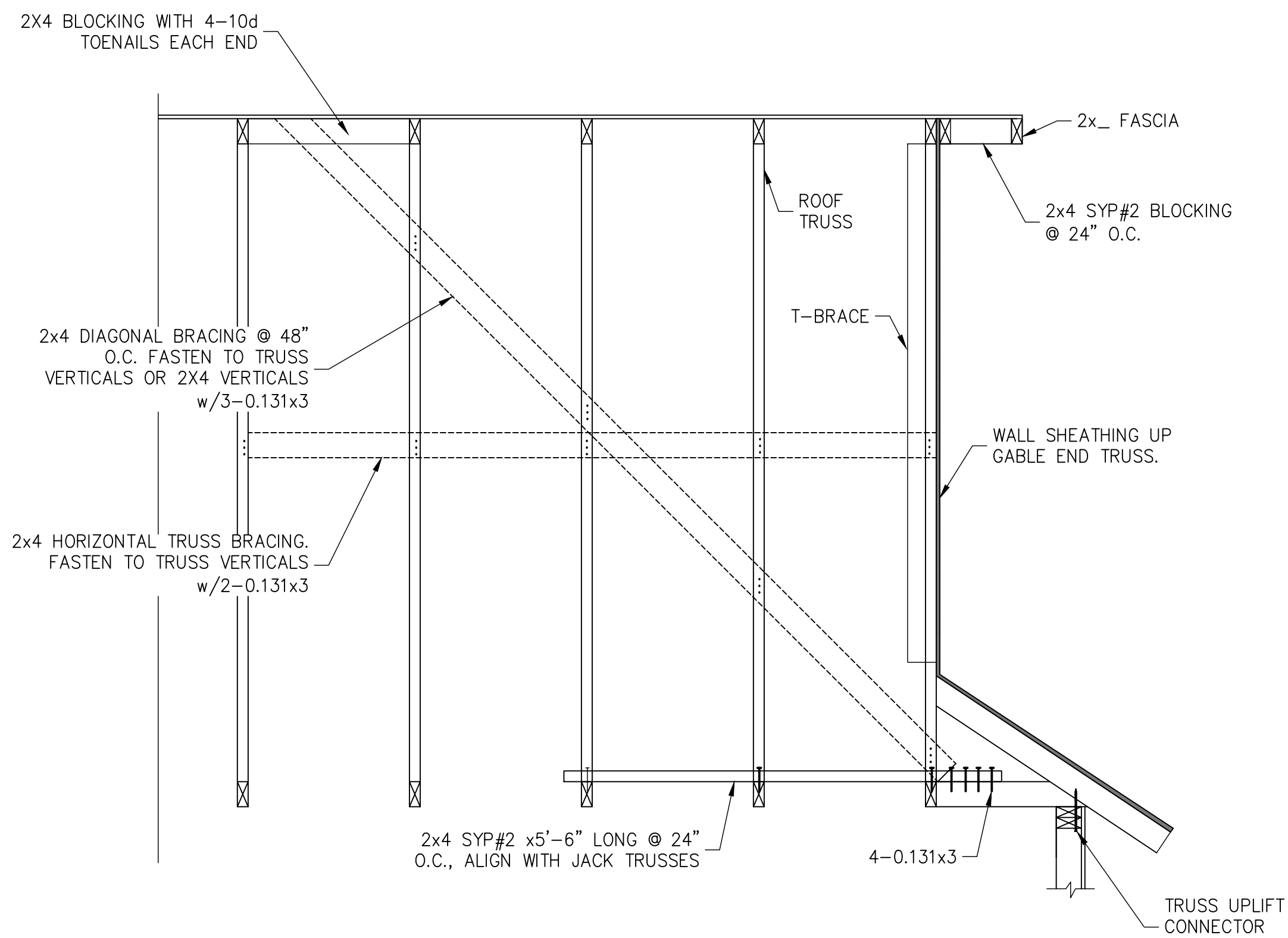


SECTION A



SECTION AT CORNER

1
S2.0 SLIDING GLASS DOOR HEADER FRAMING
SCALE: N.T.S.



2
S2.0 GABLE END BRACE DETAIL