

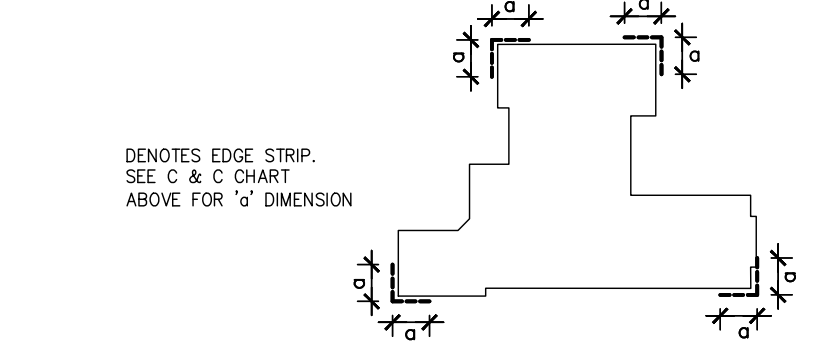
DESIGN SPECIFICATIONS		
DESIGN CODE: 2020 FLORIDA BUILDING CODE – RESIDENTIAL		
DESIGN LOADS: ACTUAL AND UNIFORM		
ROOF LOADING: (psf=125) TOP CHORD LIVE LOAD TOP CHORD DEAD LOAD TOP CHORD DEAD LOAD BOTTOM CHORD LIVE LOAD BOTTOM CHORD DEAD LOAD	ROOF 40 psf 7 psf (ARCH SHINGLES) 20 psf (TILE SHINGLES) 10 psf 5 psf	FLOOR (psf=100) 40 psf 10 psf 10 psf 0 psf 5 psf
DEFLECTION CRITERIA: ROOF 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 7/16 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 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 7-16) 130mph IMPORTANCE FACTOR 1.00 MEAN ROOF HEIGHT 20.0 FT ROOF PITCH 7/12 BUILDING CATEGORY II EXPOSURE CATEGORY C ENCLOSURE CLASSIFICATION C 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.
REINFORCED CONCRETE: EMBEDMENT OF RODS OR REBAR DOWELS SHALL BE 12 BAR DIAMETER MINIMUM. HOLES SHALL BE 1/4" LARGER THAN REBAR SIX AND 1/2" LARGER THAN THREADED ROD SIZE. (U.O.N.)
ANCHORING ADHESIVE: SHALL BE ONE OF THE FOLLOWING PRODUCTS (DUAL CARTRIDGE INSTALLATION ONLY):
EPOXY: ITW RED HEAD A7
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

COMPONENTS & CLADDING ALLOWABLE DESIGN PRESSURES			
TRIBUTARY AREA (sf)	INTERIOR ZONE (PSF)	EDGE STRIP (PSF): "a" = 4'-6"	1 CAR GARAGE DOOR PRESSURES (PSF) (8'x7')
10	+24.61 –26.70	+24.61 –32.95	+23.42 –30.58
50	+23.42 –25.51	+23.42 –30.58	+20.91 –27.74
100	+22.01 –24.09	+20.91 –27.74	

- THE VALUES ABOVE ARE ALLOWABLE WIND PRESSURE VALUES (ASD). THE ABOVE WIND PRESSURES HAVE BEEN REDUCED BY 0.60 AS PERMITTED BY THE ALLOWABLE STRESS DESIGN METHODOLOGY. NO FURTHER REDUCTION SHALL BE PERMITTED.
- COMPONENT & CLADDING WALL ELEMENTS SHALL BE DESIGNED FOR BOTH POSITIVE AND NEGATIVE PRESSURES SHOWN IN TABLE ABOVE.
- LINEAR INTERPOLATION IS PERMISSIBLE.
- PLUS = PRESSURE AND MINUS = SUCTION.
- DESIGN OF WINDOWS/DOORS FASTENING TO THE WALL FRAMING IS THE RESPONSIBILITY OF THE WINDOW/DOOR MANUF./SUPPLIER & SHALL MEET THE ABOVE NOTED POSITIVE AND NEGATIVE PRESSURES.



SCOPE OF SERVICE

MEANS AND METHODS:
THE STRUCTURAL ENGINEER SHALL NOT HAVE CONTROL OR BE RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, OR SEQUENCES; FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR OR ANY OTHER PERSONS PERFORMING THE WORK OR FOR THE FAILURE FOR ANY OF THEM TO CONSTRUCT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
LIMITS OF STRUCTURAL ENGINEERING DESIGN RESPONSIBILITIES:
THE ITEMS SPECIFICALLY DESIGNED BY THE STRUCTURAL ENGINEER ARE LIMITED TO THE FOLLOWING: CONTINUOUS LOAD PATH FOR WIND UPLIFT, WOOD PANEL SHEARWALLS, WALL FRAMING AND REQUIRED SHEATHING AND HEADERS DIRECTLY SUPPORTING ROOF FRAMING. ITEMS NOT DESIGNED: PRE-ENGINEERED WOOD FLOOR AND ROOF TRUSSES, FLOOR FRAMING NOT SPECIFICALLY ADDRESSED, TRUSS-TO-TRUSS CONNECTION, AND ANY ARCHITECTURAL, MECHANICAL OR ELECTRICAL SYSTEM.

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 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 C90C, 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 ROCC 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 STEMWALL CONNECTIONS OF 5 OR MORE COURSES, PROVIDE HORIZONTAL JOINT REINFORCEMENT AT 6" O.C. VERTICALLY, (EVERY OTHER COURSE), AND VERTICAL REIN. 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 GROUND. 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 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 PRESSURE-TREATED. IF ACO OR NON-DOT DURABLE 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 E154 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"

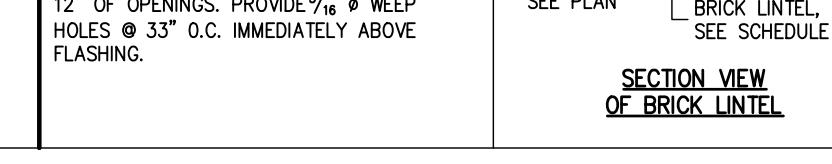
BRICK NOTES / LINTEL SCHD

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

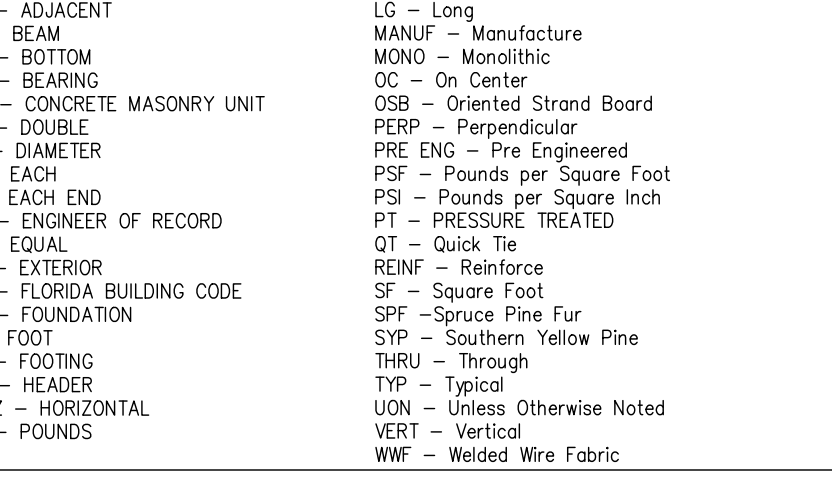
INTERIOR LOAD BEARING WALL	BUILT-UP POST IN THE WALL
GABLE X-BRACE, SEE DETAIL 10/S0.1	HEADER SIZE, JACK AND KING STUD QUANTITY.
DESIGNATES SHEARWALL, THE HIDDEN LINE DESIGNATES SIDE OF WALL. THE SHEARWALL SHEATHING TO BE APPLIED.	(2)x28x1-1/2
SW 3/4" 3' O.C. EDGE & 6" O.C. "IN THE FIELD"	

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

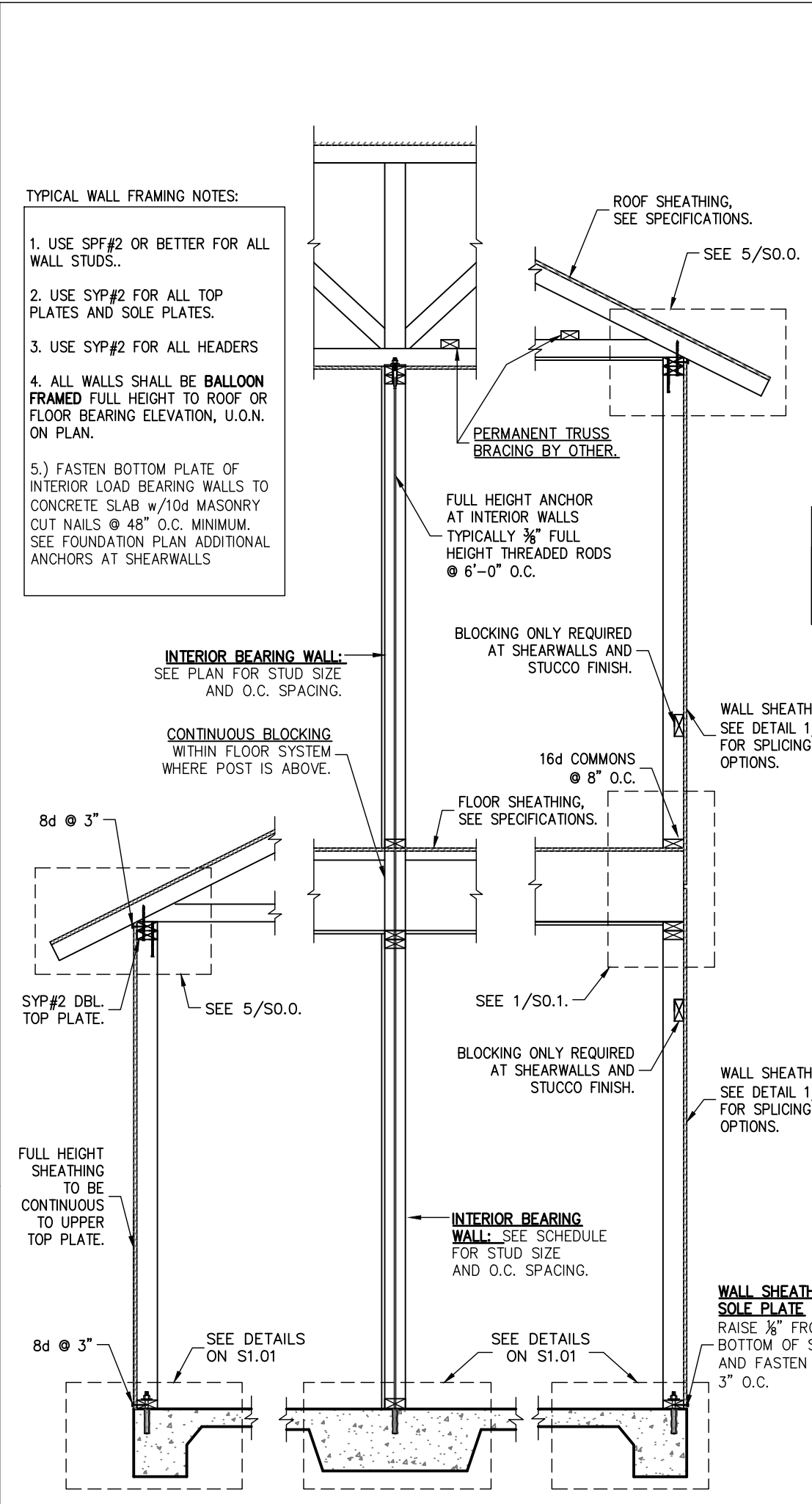


ADJ – ADJACENT
BM – BEAM
BOT – BOTTOM
BRG – BEARING
CMB – CONCRETE MASONRY UNIT
DBL – DOUBLE
DIA – DIAMETER
EA – EACH
EE – EACH END
EOR – ENGINEER OF RECORD
EQ – EQUAL
EXT – EXTERIOR
FBC – FLORIDA BUILDING CODE
FDN – FOUNDATION
FT – FOOT
F10 – FOOTING
HDR – HORIZONTAL
HORIZ – HORIZONTAL
LBS – POUNDS

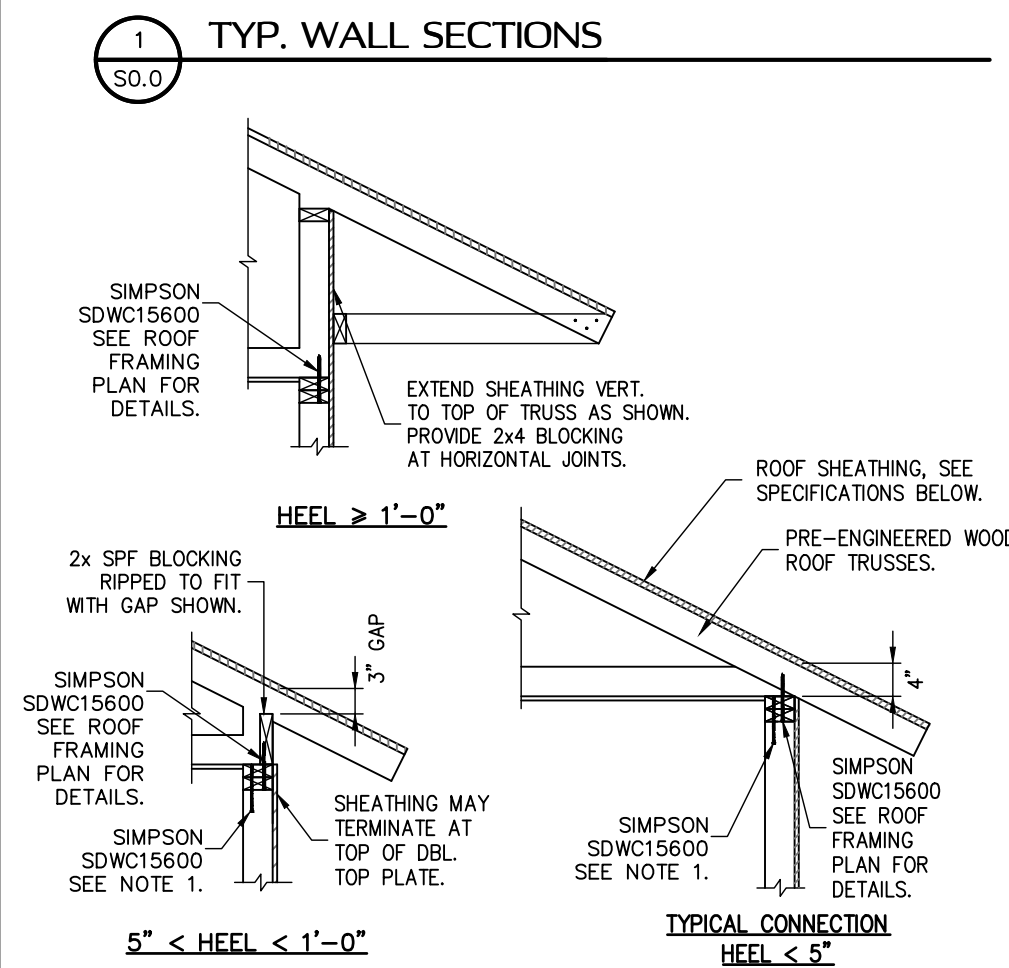
LG – Long
MANUF – Manufacture
MONO – Monolithic
OC – On Center
OSB – Oriented Strand Board
PERP – Perpendicular
PRE END – Pre Engineered
PSF – Pounds per Square Foot
PSI – Pounds per Square Inch
PT – PRESSURE TREATED
QT – Quick Tie
REIN – Reinforce
SF – Square Foot
SPF – Spruce Pine Fir
SYP – Southern Yellow Pine
THRU – Through
TYP – Typical
UON – Unless Otherwise Noted
VERT – Vertical
WWF – Welded Wire Fabric



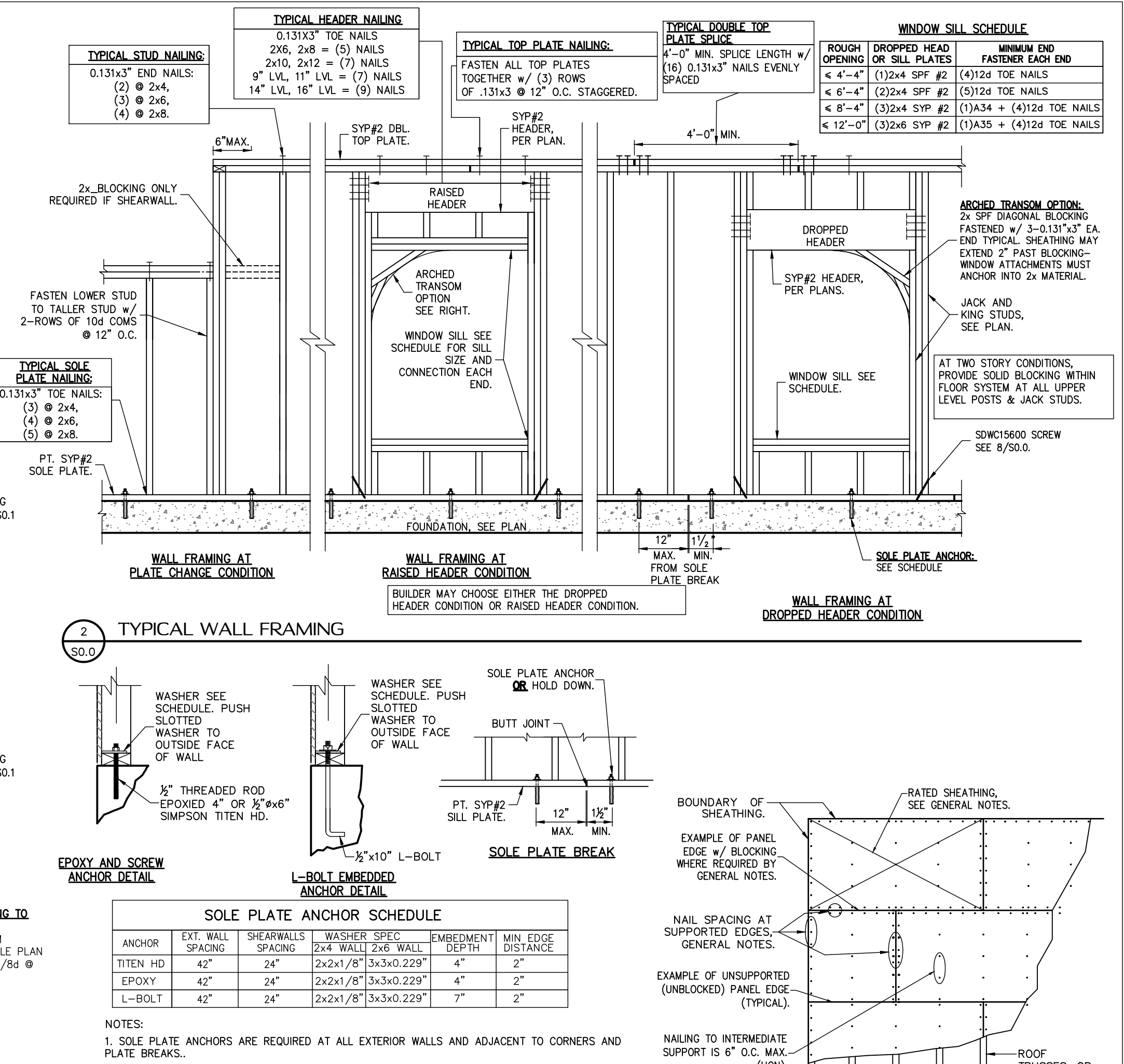
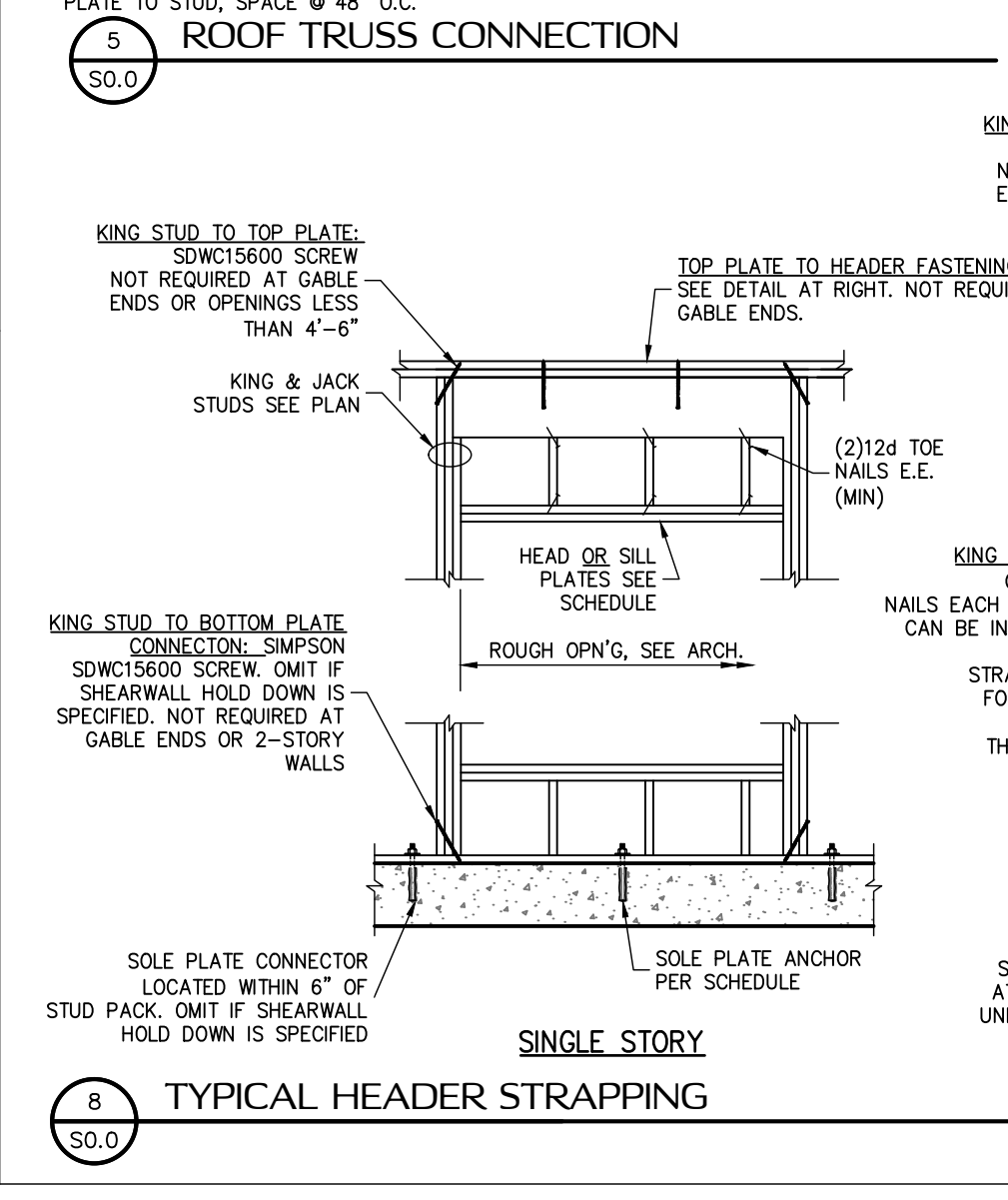
SINGLE STORY
TYPICAL HEADER STRAPPING



TYP. WALL SECTIONS



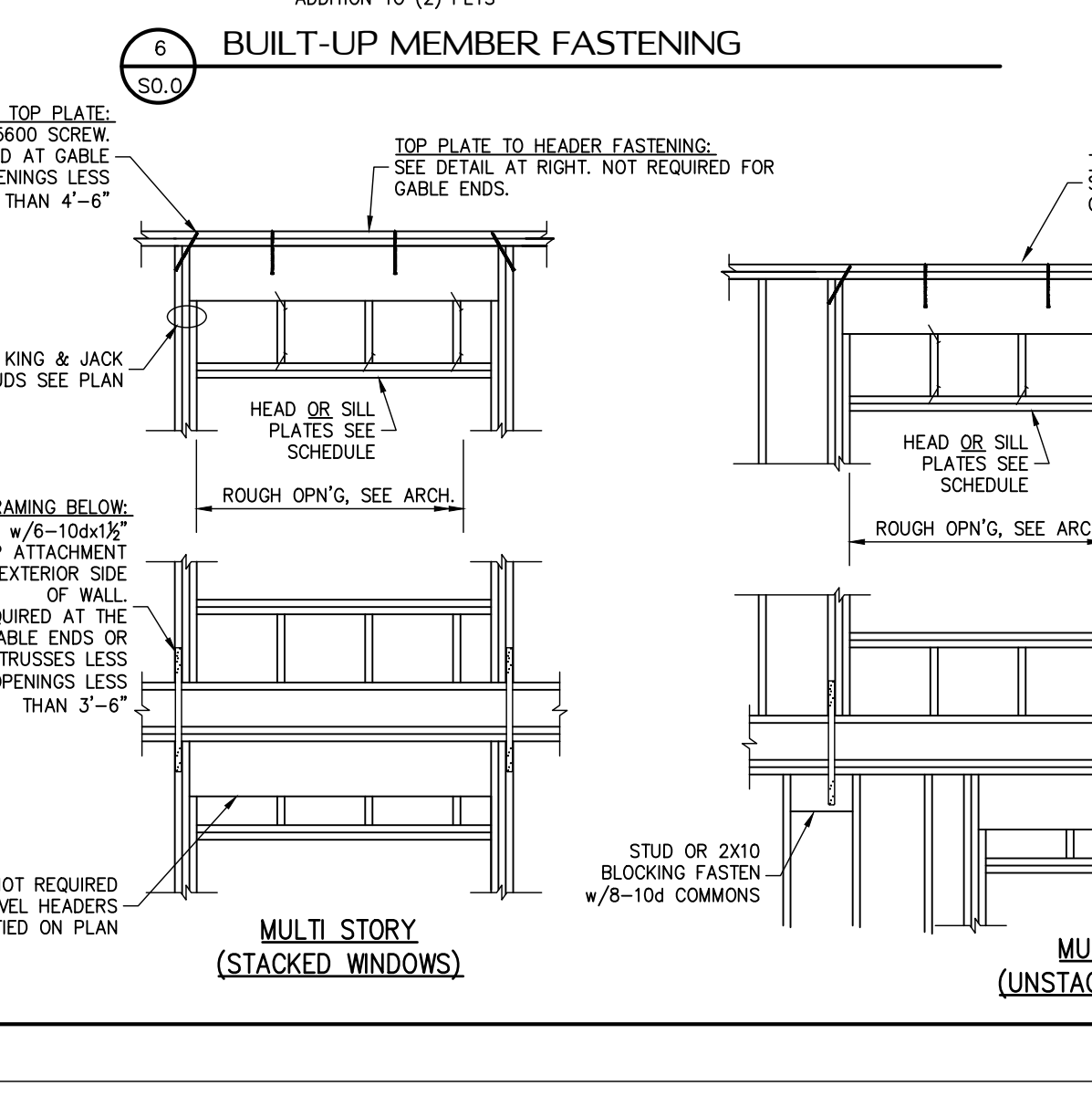
ROOF TRUSS CONNECTION



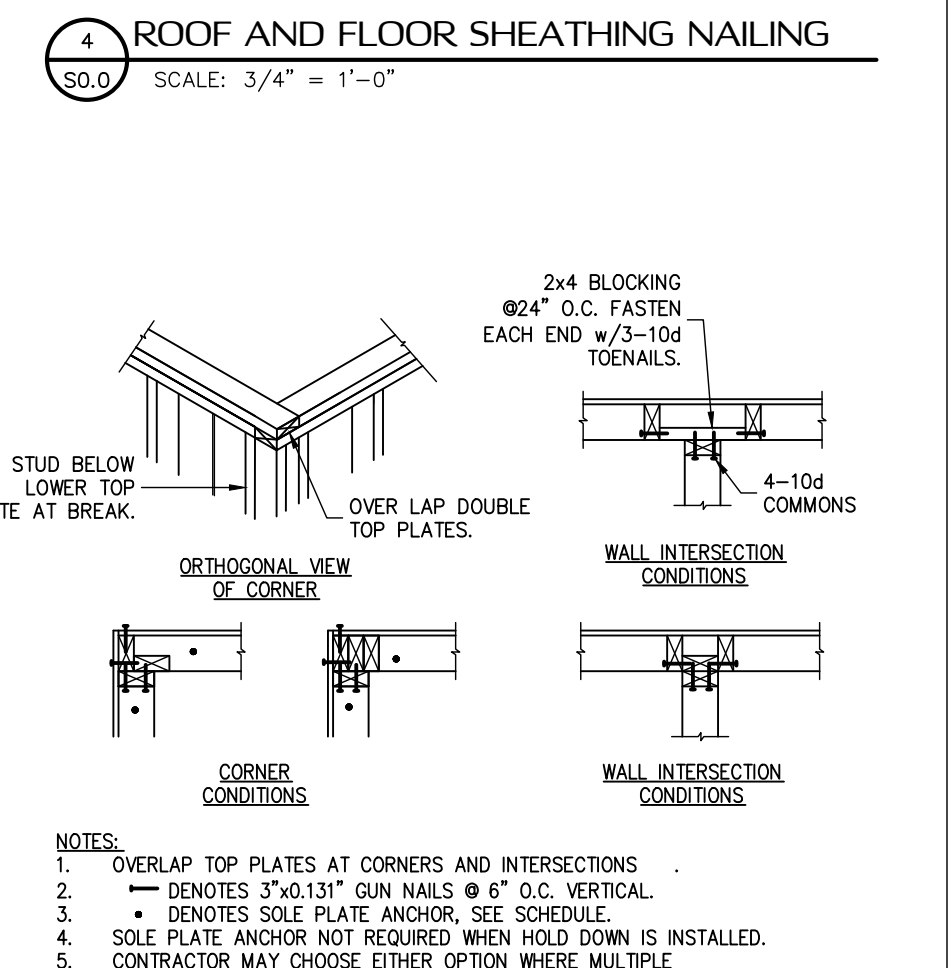
SOLE PLATE ANCHOR DETAIL & SCHEDULE

ANCHOR	EXT. WALL SPACING	SHEARWALLS	WASHER SPEC	EMBEDMENT DEPTH	MIN. EDGE DISTANCE
TITEN HD	42"	24"	2x2x1/8" 3x3x0.229"	4"	2"
EPOXY	42"	24"	2x2x1/8" 3x3x0.229"	4"	2"
L-BOLT	42"	24"	2x2x1/8" 3x3x0.229"	7"	2"

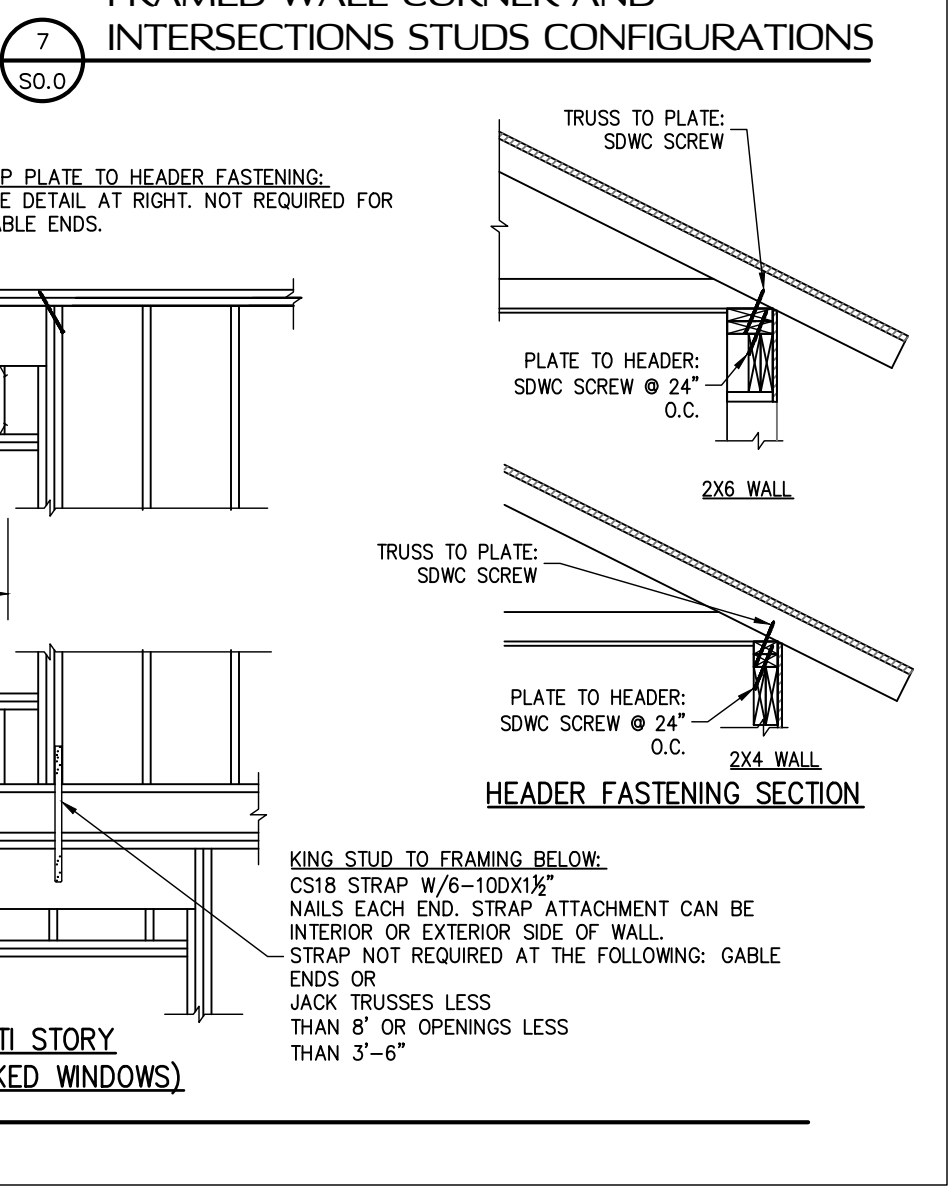
BUILT-UP MEMBER FASTENING



ROOF AND FLOOR SHEATHING NAILING



FRAMED WALL CORNER AND INTERSECTIONS STUDS CONFIGURATIONS



Christopher I. Sabourin
FL PE#71461

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

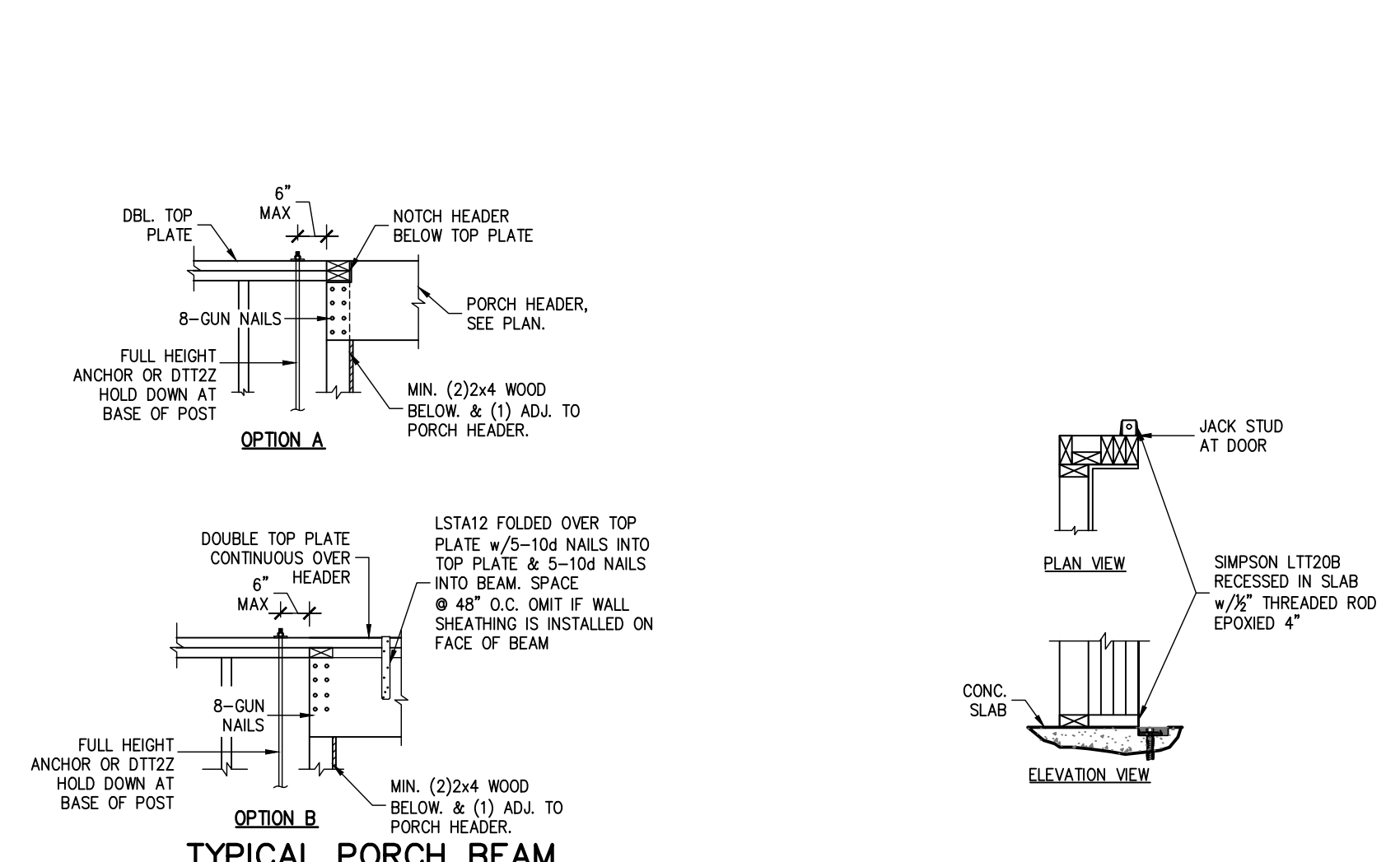
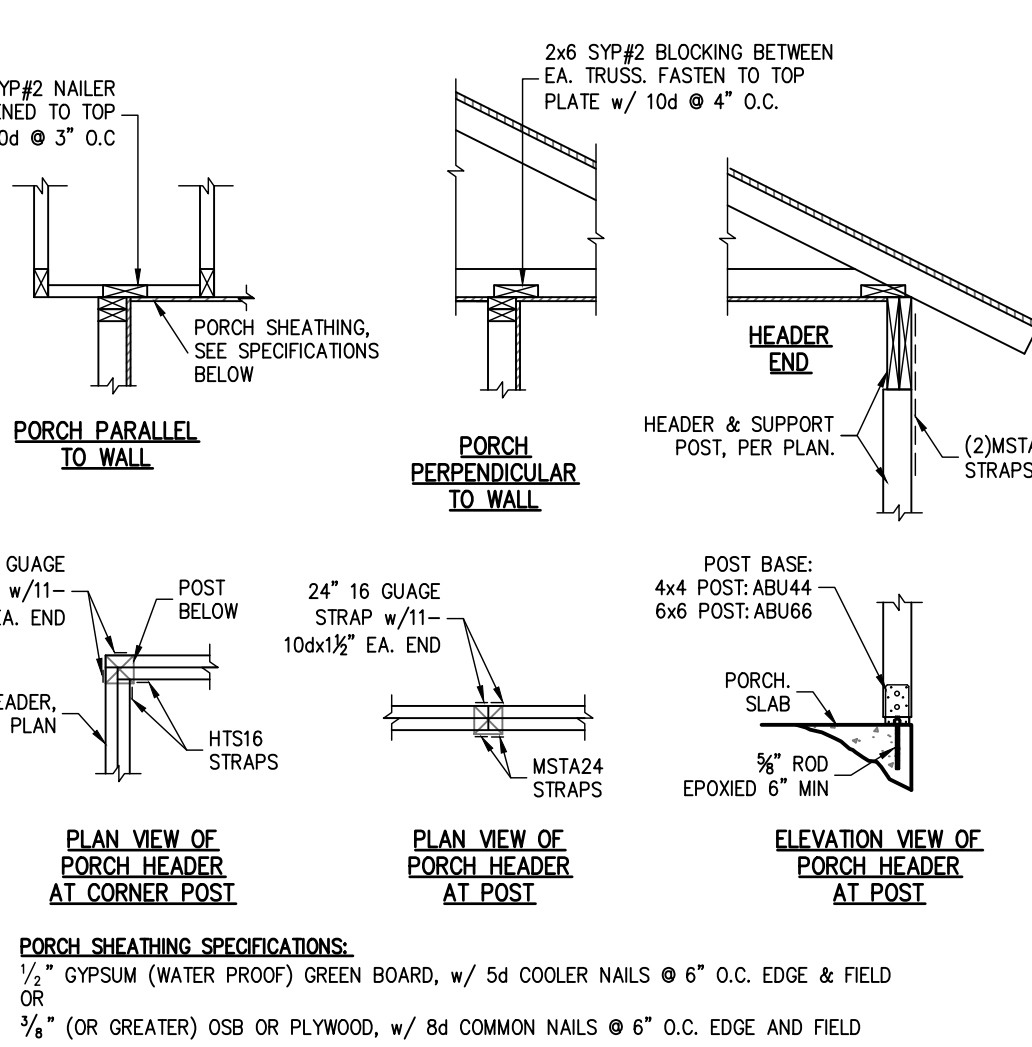
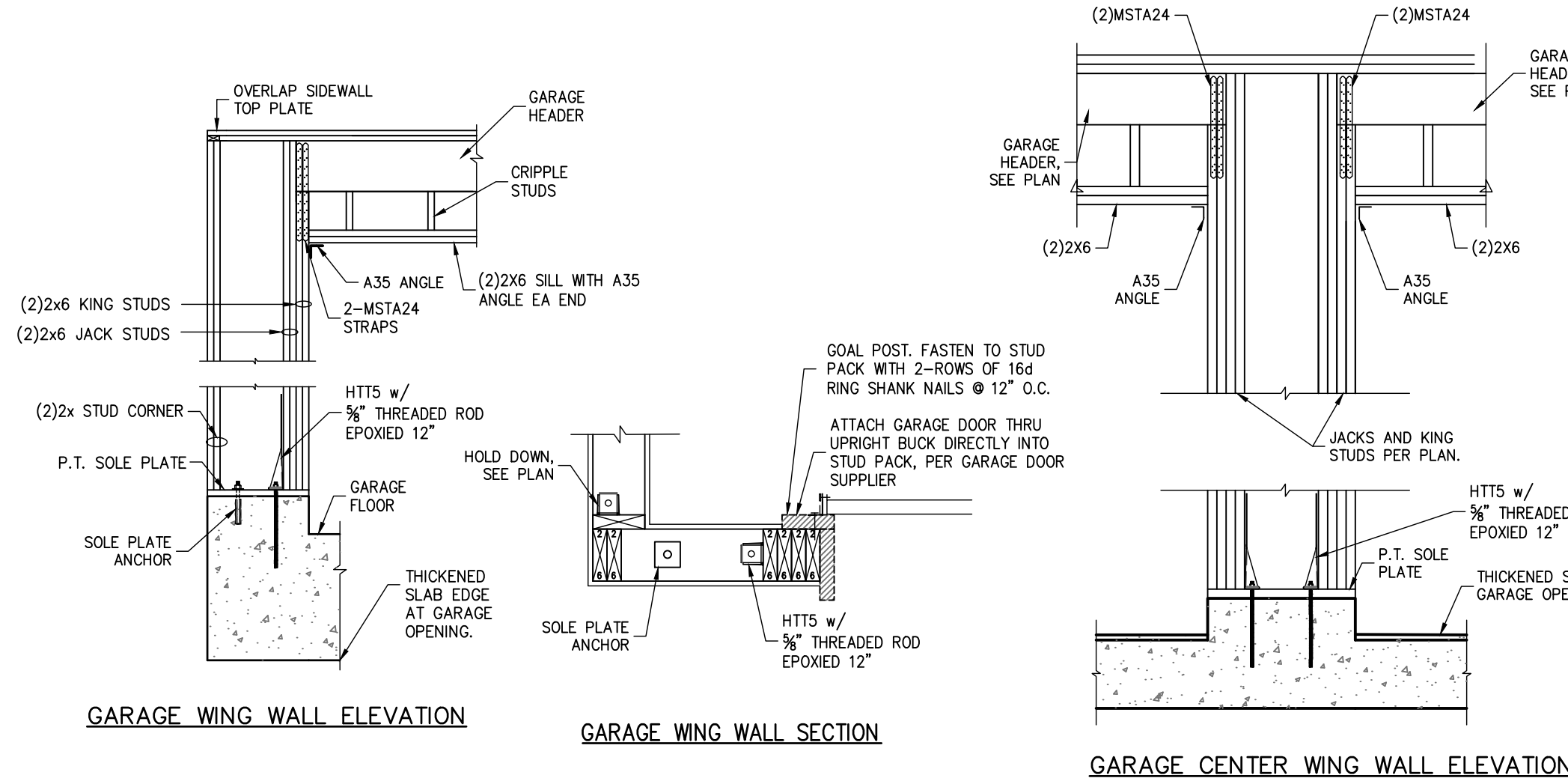
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REVISIONS	DATE
Δ CARPORT	10.09.23

PLANN NAME
CHRISTIANE
55E No.
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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
DO NOT SCALE DIMENSIONS FROM THESE DRAWINGS. IF A DIMENSION IS UNCLEAR REFER TO THE ARCHITECTURAL DRAWINGS OR CONTACT THE E.O.R.

DESIGN CRITERIA AND GENERAL NOTES
SHEET 50.0
SHEET 1 OF 8

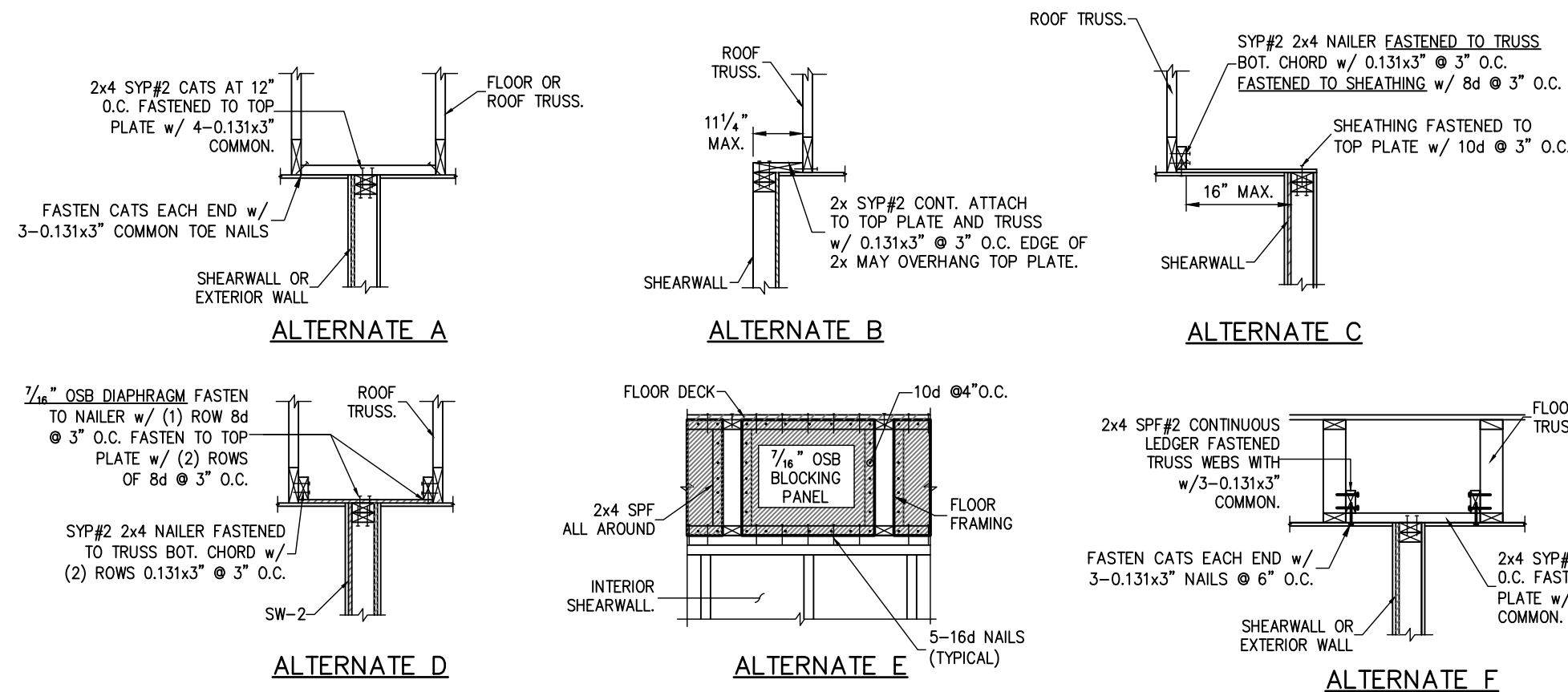


WHEN NOTED **4** **S0.1** **LTT20B RECESSED IN SLAB**
SEE CONSTRUCTION SPECIFICATIONS FOR ROOF AND WALL SHEATHING AND STUD FRAMING.

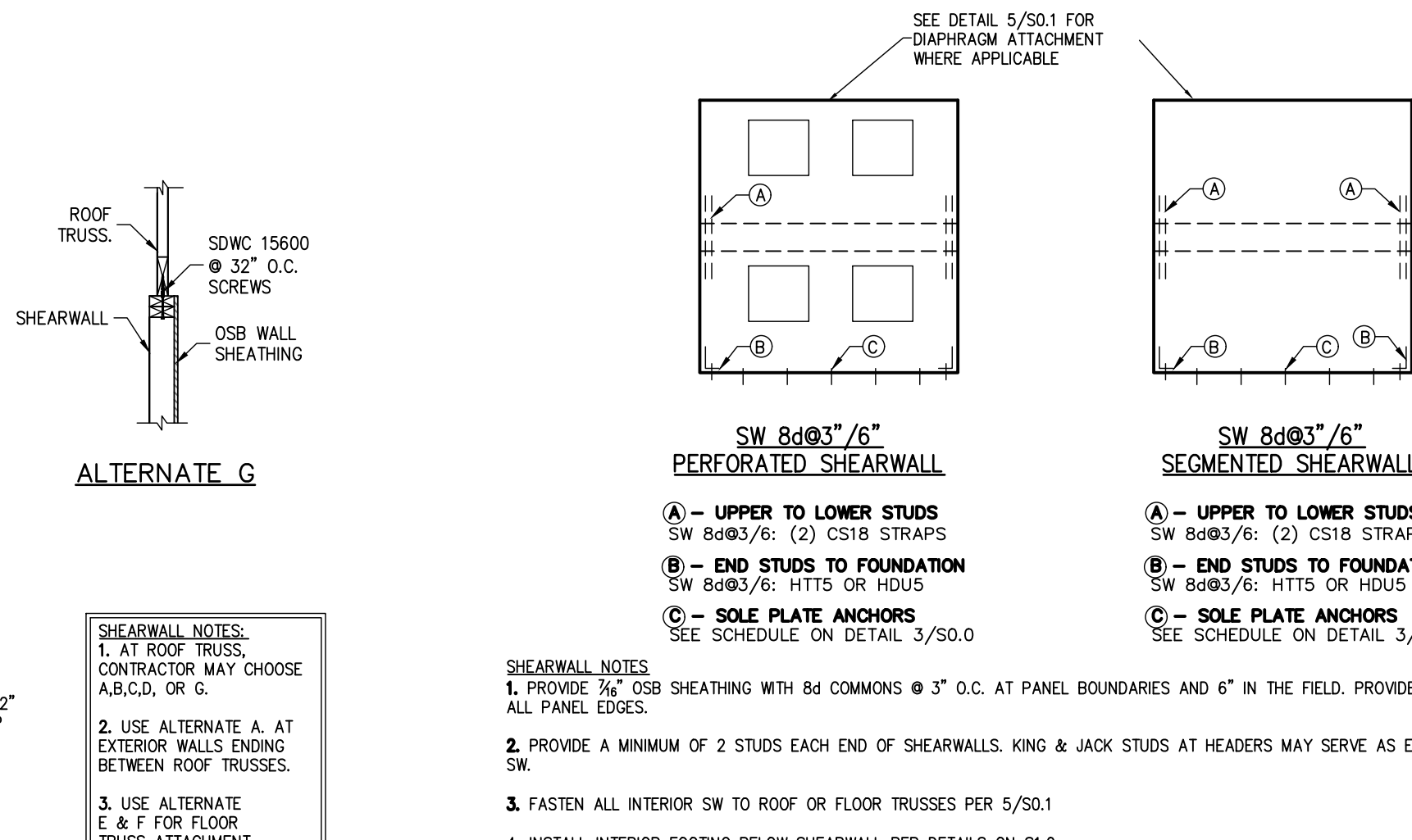
WHEN NOTED **1** **S0.1** **GARAGE HEADER FRAMING**
SCALE: N.T.S.

WHEN NOTED **2** **S0.1** **TYPICAL PORCH FRAMING DETAILS**
SCALE: N.T.S.

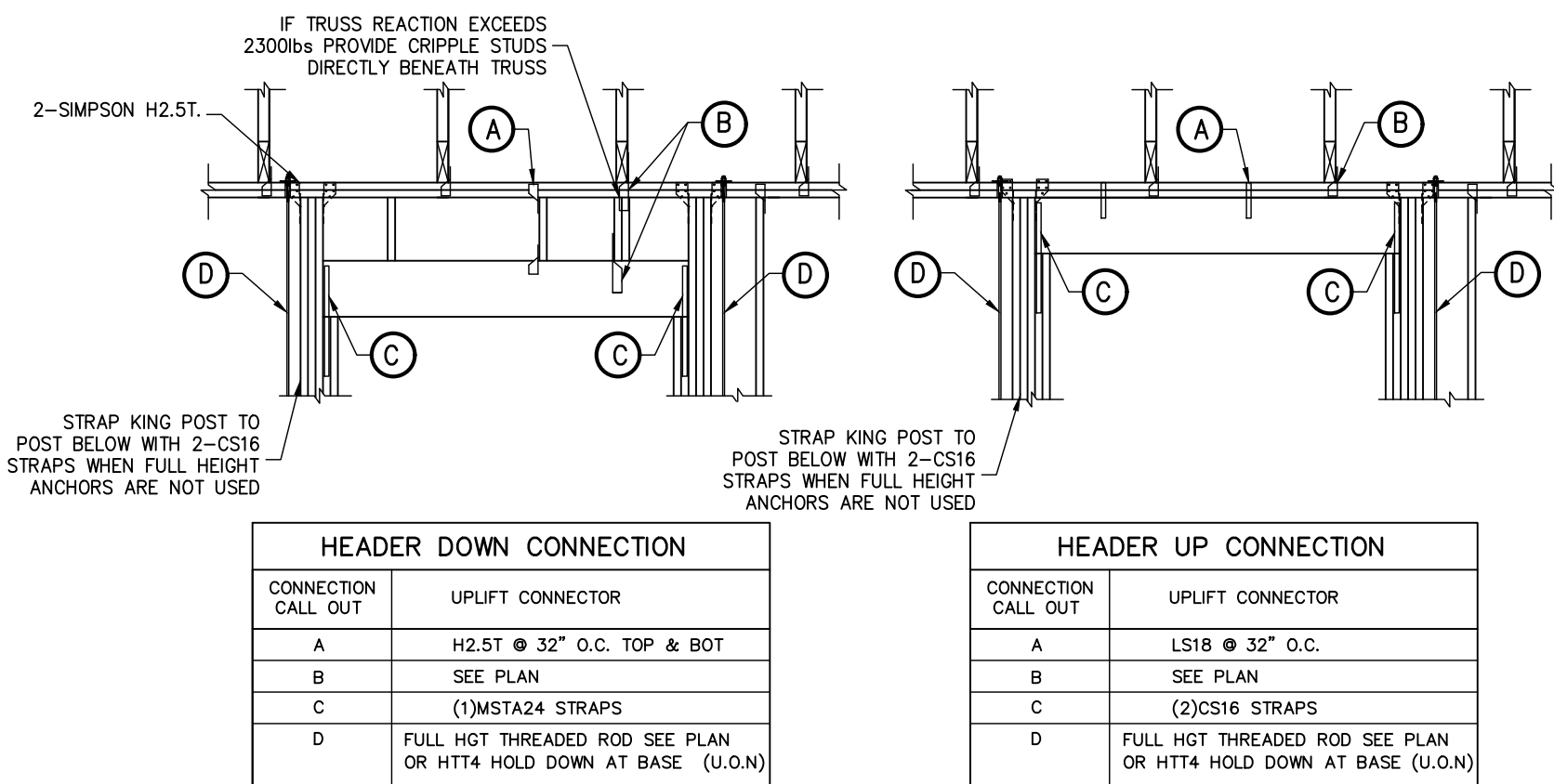
WHEN NOTED **3** **S0.1** **TYPICAL PORCH BEAM CONNECTION**
SCALE: N.T.S.



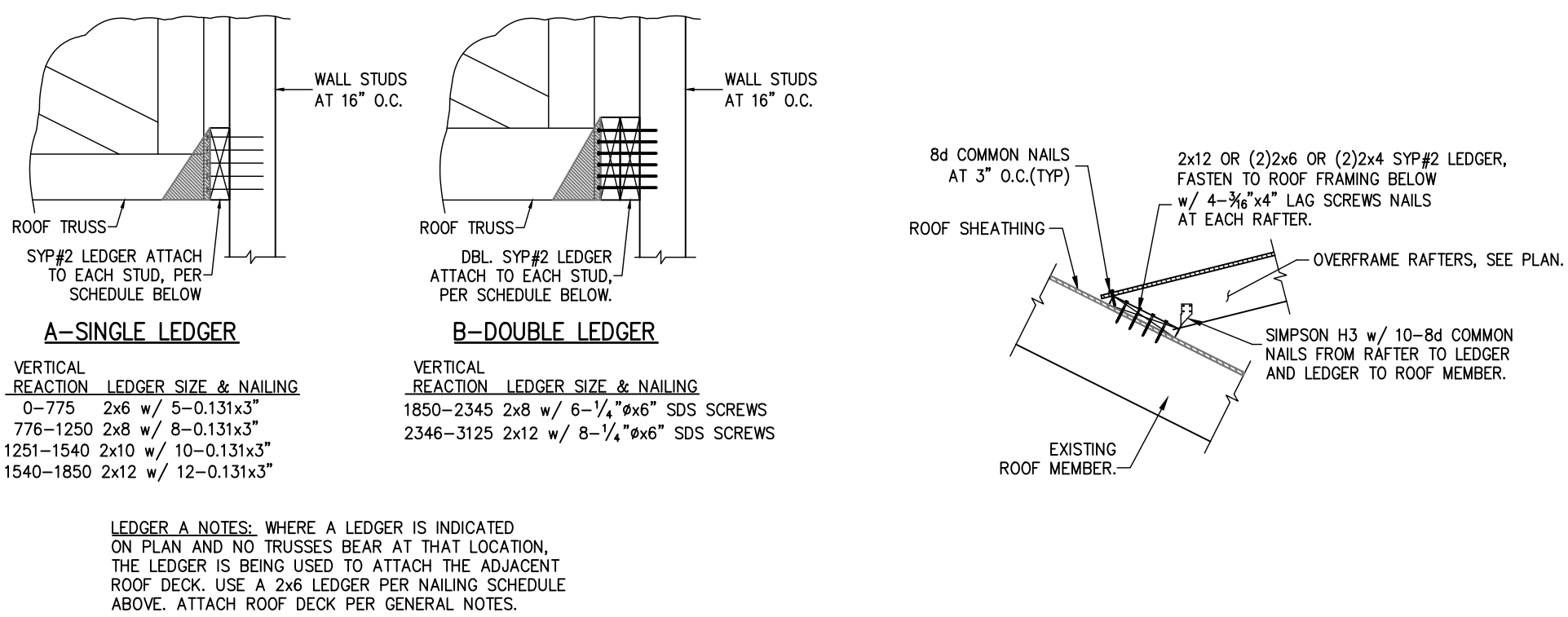
WHEN NOTED **5** **S0.1** **SHEARWALL ATTACHMENT AT ROOF & FLOOR**



WHEN NOTED **6** **S0.1** **TYPICAL SHEARWALL ELEVATION**
PROVIDE SOLID BLOCKING WITHIN FLOOR SYSTEM AT SW END POSTS.

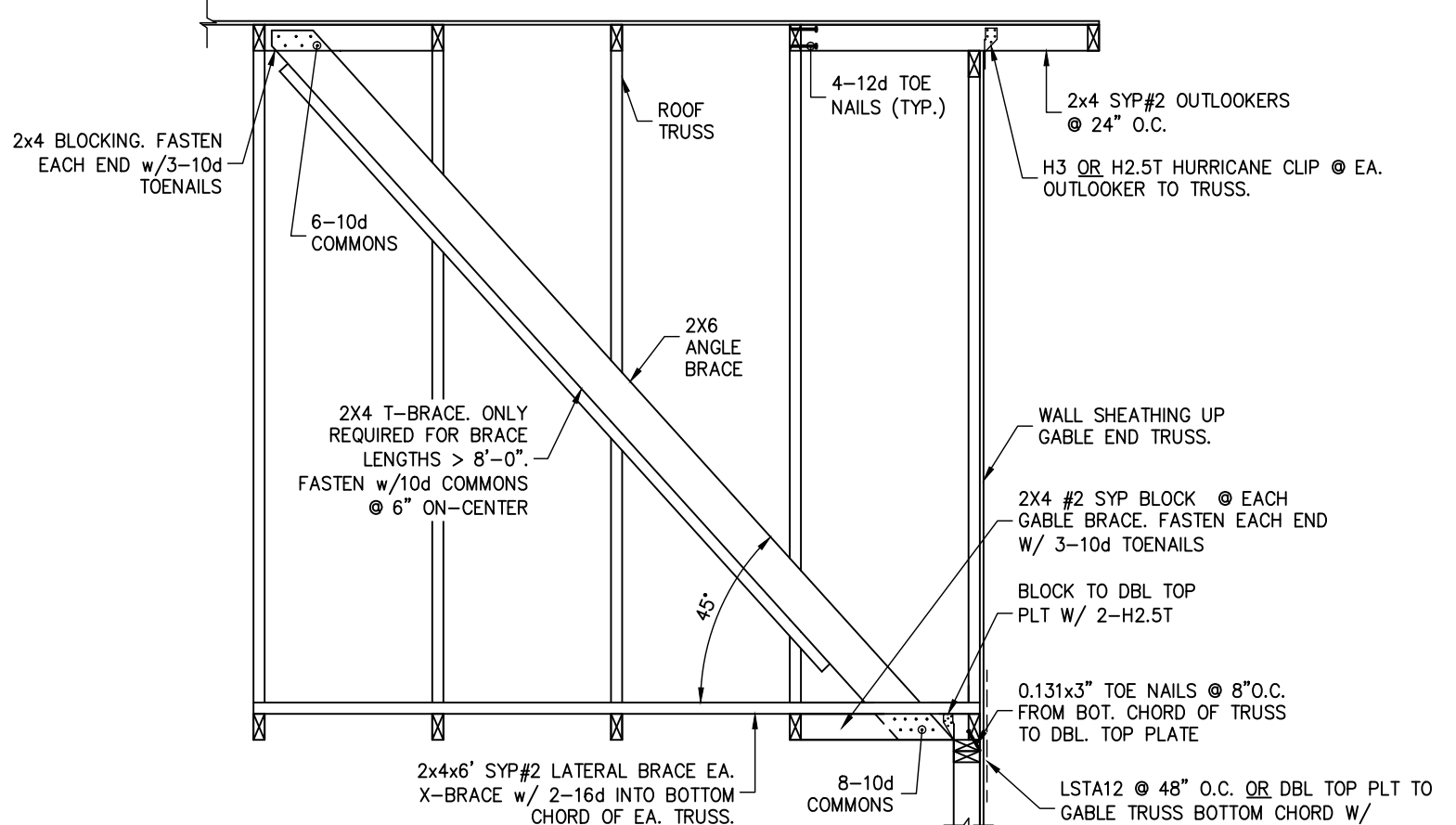


WHEN NOTED **7** **S0.1** **HEADER TIE DOWN**
THIS DETAIL ONLY APPLIES WHEN NOTED ON PLAN

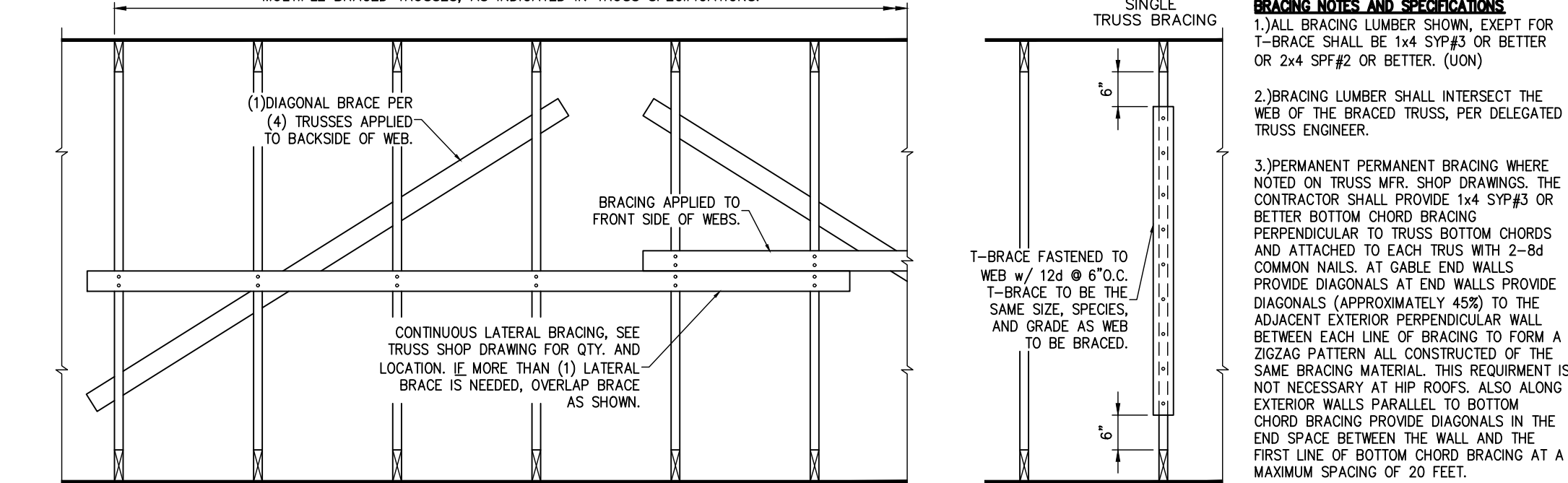


WHEN NOTED **8** **S0.1** **LEDGER CONNECTION**
TRUSS TO LEDGER CONNECTION BY TRUSS ENGINEER, NOT SHOWN FOR CLARITY

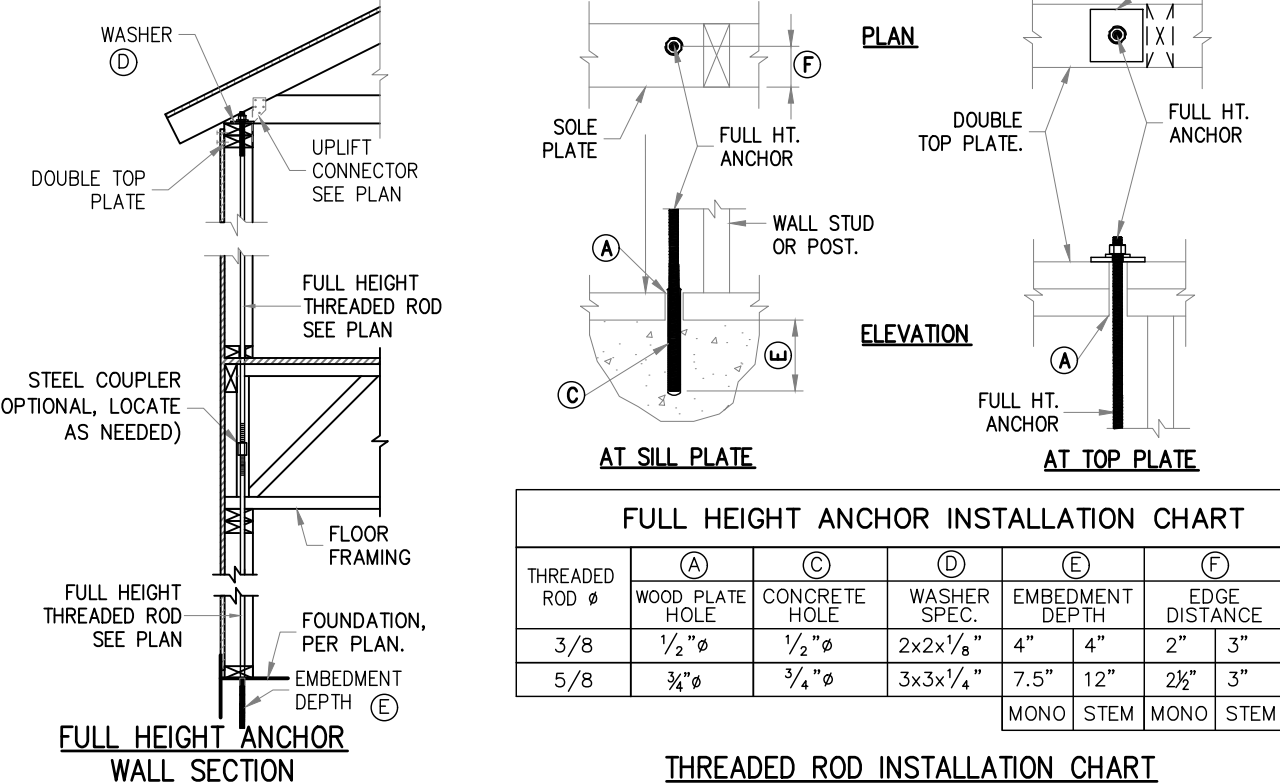
WHEN NOTED **9** **S0.1** **DECK LEDGER AT OVERFRAME RAFTERS**
USE THIS DETAIL TO FASTEN OVERFRAMED ROOFS, VALLEYS, ETC.



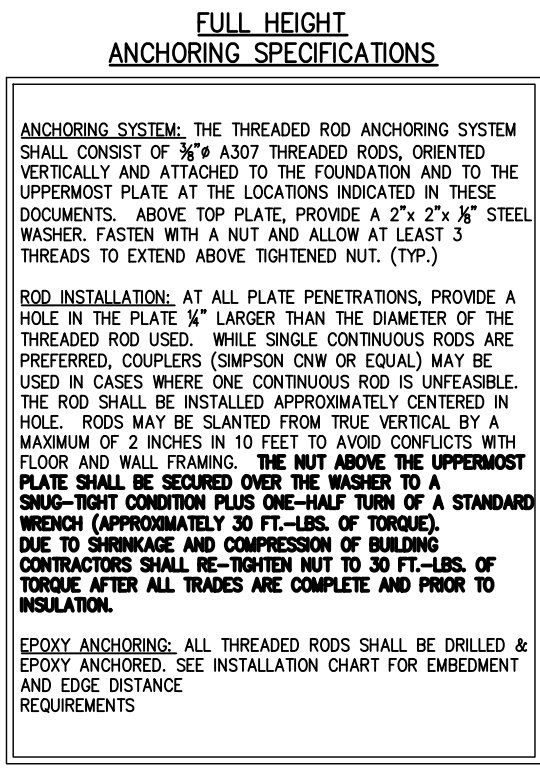
WHEN NOTED **10** **S0.1** **GABLE END BRACING**
NOTES: 1. SPACE GABLE END BRACING @ 4'-6" MAX. 2. ALL MATERIAL TO BE SYP#2



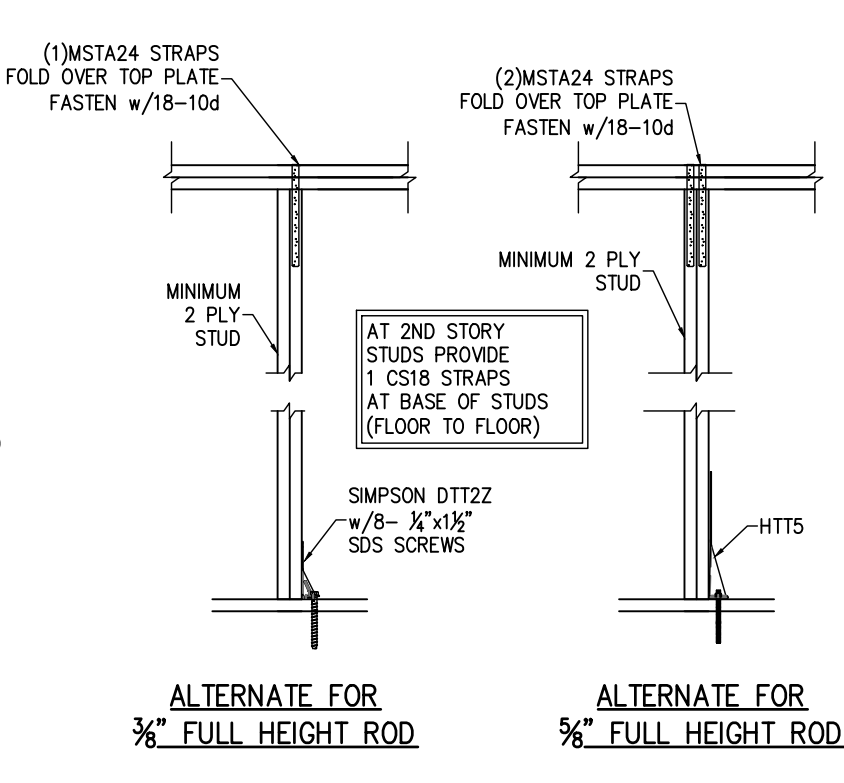
WHEN NOTED **11** **S0.1** **PERMANENT TRUSS BRACING**
SCALE: 3/4" = 1'-0"



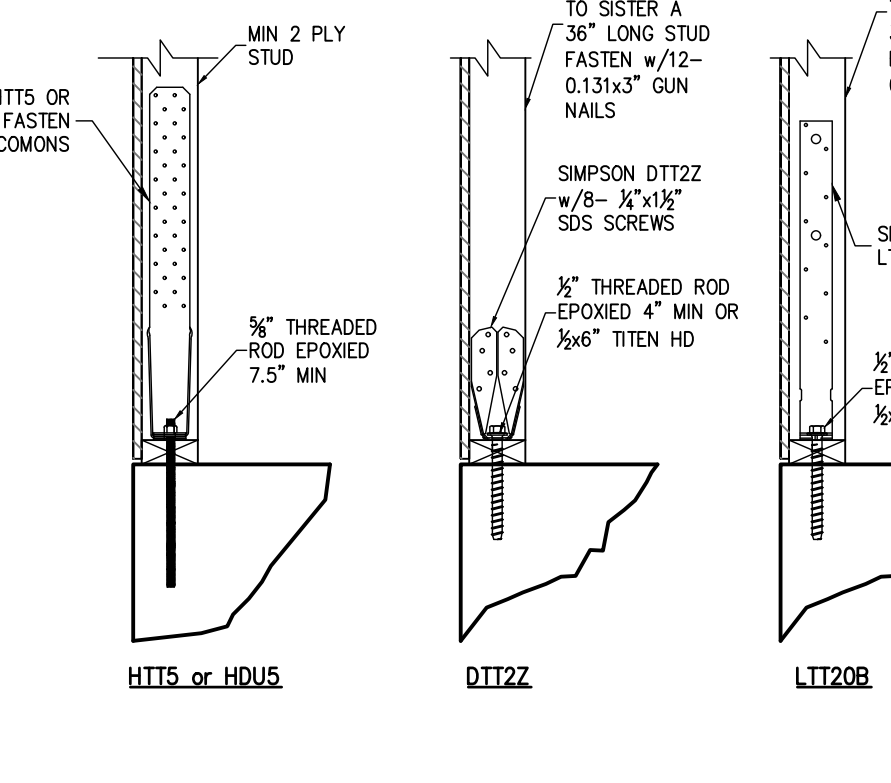
WHEN NOTED **12** **S0.1** **FULL HEIGHT WOOD FRAME WALL ANCHORING SYSTEM**
THIS DETAIL ONLY APPLIES WHEN NOTED ON PLAN



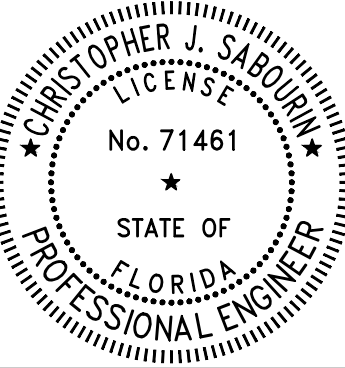
WHEN NOTED **13** **S0.1** **3/8" FULL HEIGHT ROD ALTERNATE ATTACHMENT**



WHEN NOTED **14** **S0.1** **FULL HEIGHT THREADED ROD ALTERNATE**



WHEN NOTED **15** **S0.1** **HOLD DOWN ATTACHMENT DETAIL**



0.09.23
Christopher J Sabourin
FL PE #71461

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

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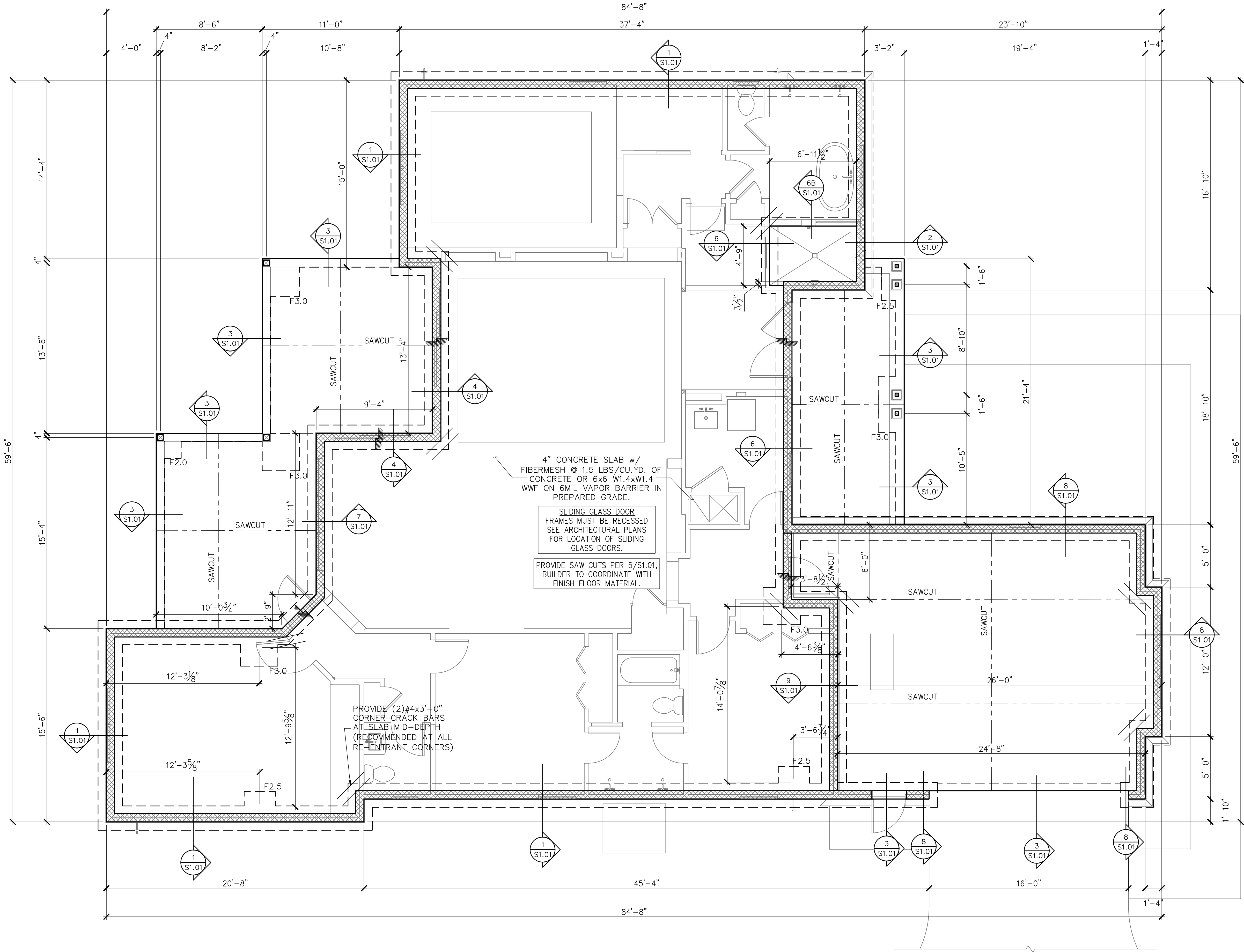
STRUCTURAL ENGINEERING FOR SCHNEIDER RESIDENCE

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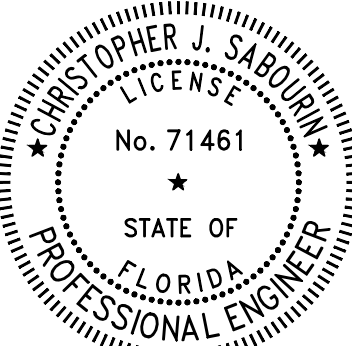
SCALING
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TYPICAL FRAMING DETAILS

SHEET
S0.1
SHEET 2 OF 8



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



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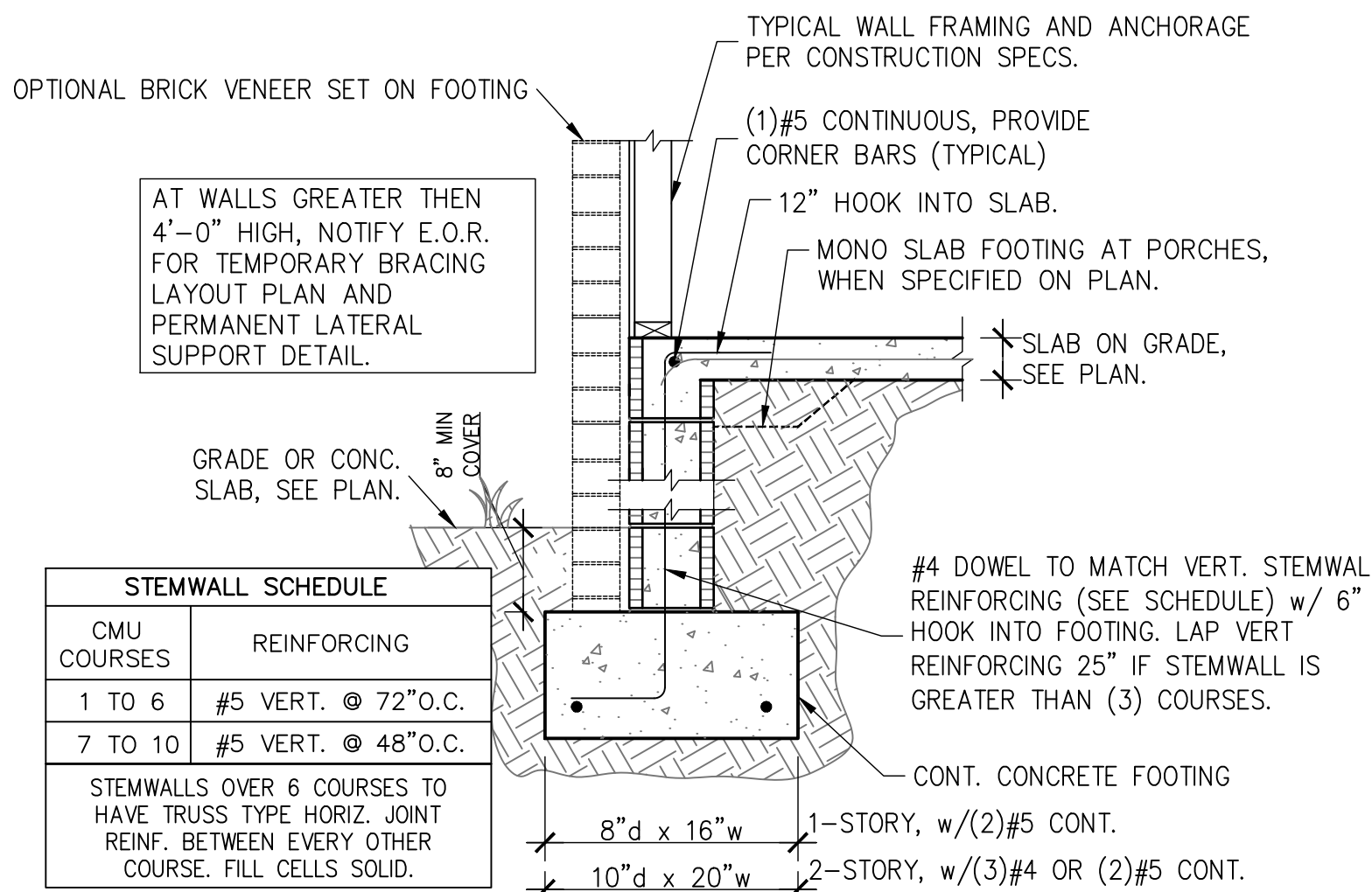
FOUNDATION
PLAN

SHEET
S1.0
SHEET 3 OF 8

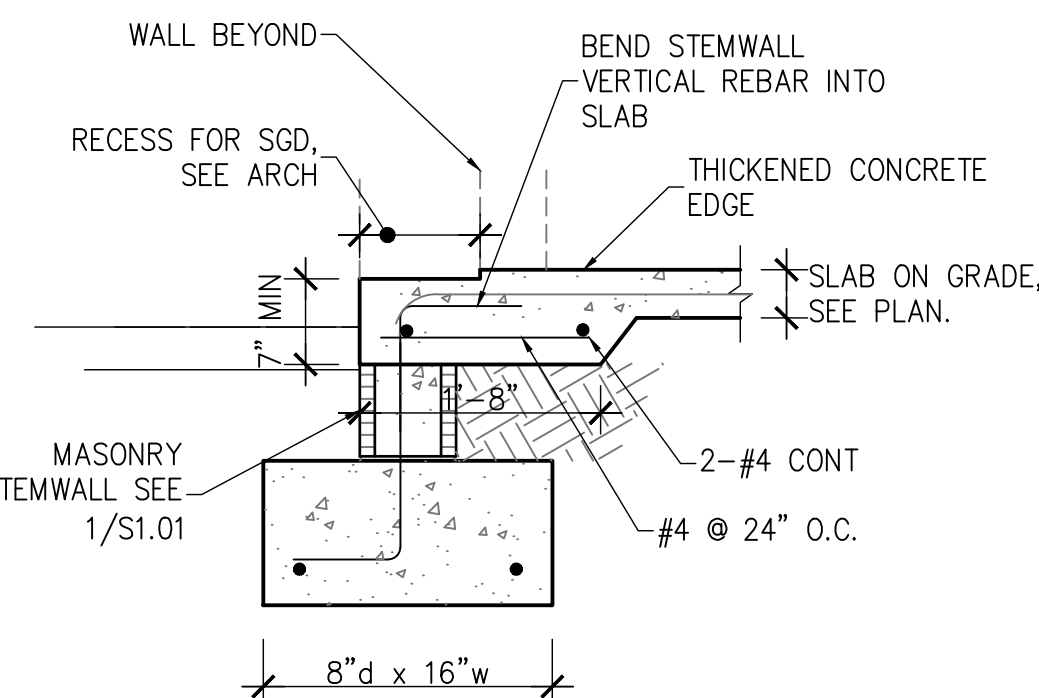
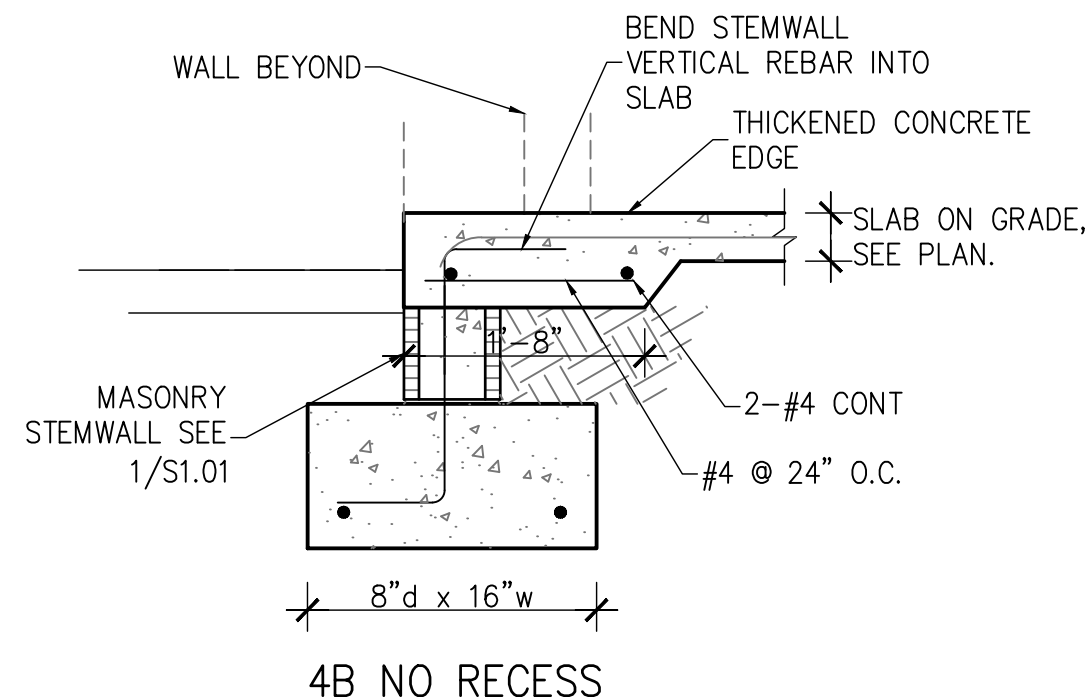
FOOTING SCHEDULE AND NOTES				
TYPE	LENGTH	WIDTH	DEPTH	BOTTOM BARS
F2.0	2'-0"	2'-0"	1'-0"	3-#5 EA. WAY BOT.
F2.5	2'-6"	2'-6"	1'-0"	3-#5 EA. WAY BOT.
F3.0	3'-0"	3'-0"	1'-0"	3-#5 EA. WAY BOT.
F3.5	3'-6"	3'-6"	1'-0"	4-#5 EA. WAY BOT.
F4.0	4'-0"	4'-0"	1'-0"	4-#5 EA. WAY BOT.
F4.5	4'-6"	4'-6"	1'-0"	4-#5 EA.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

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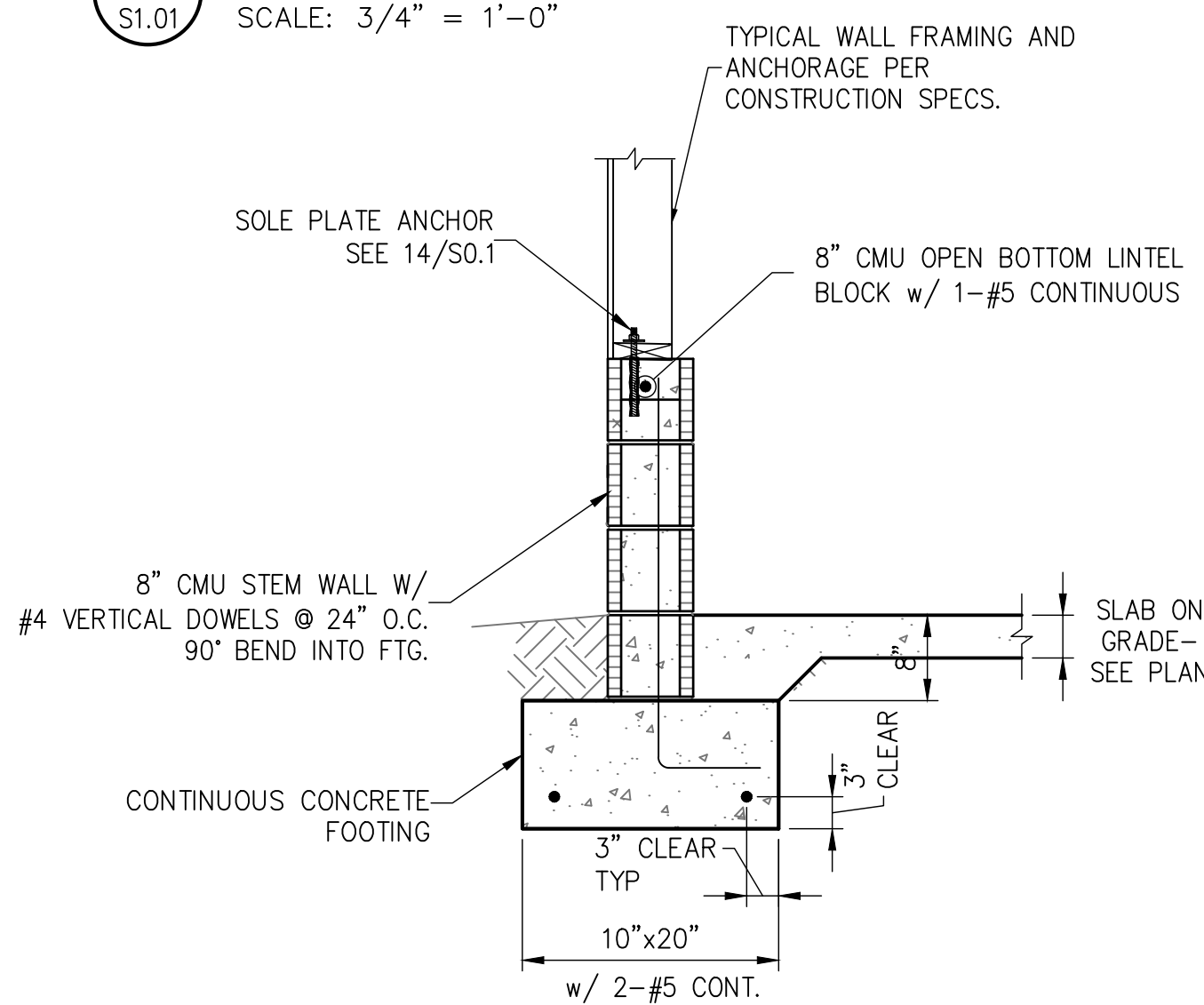
FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



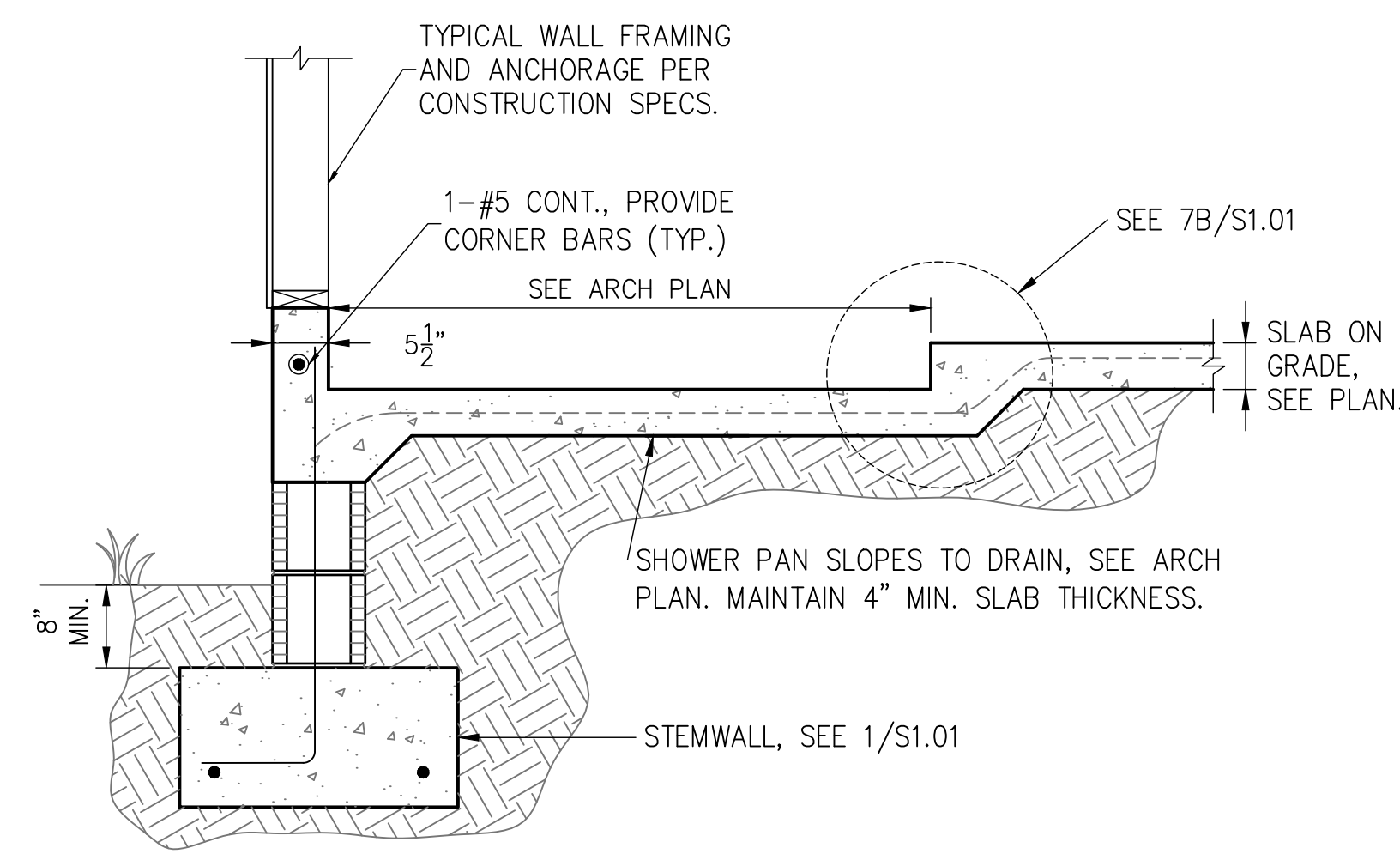
1 STEMWALL FOOTING
S1.01 SCALE: 3/4" = 1'-0"



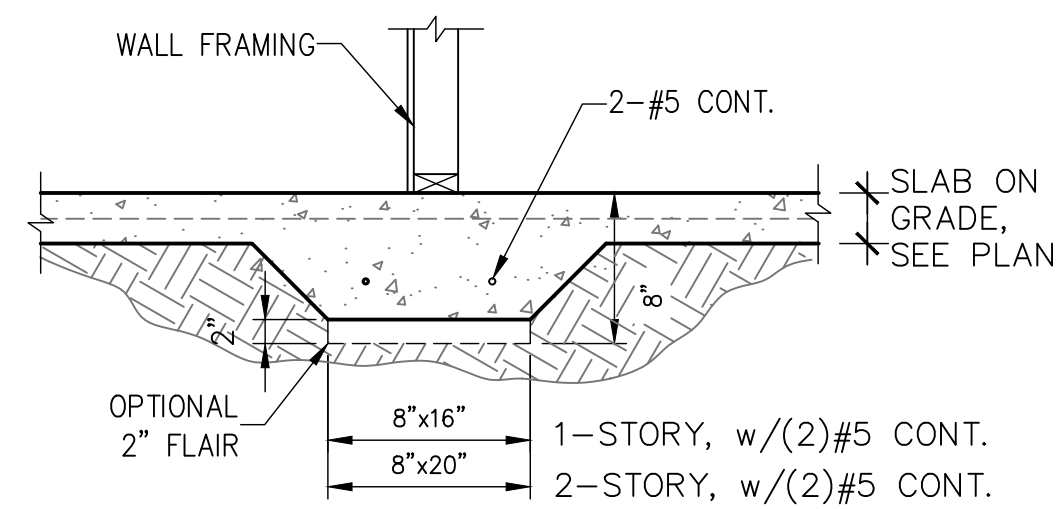
4 STEMWALL FOOTING AT SLIDER
S1.01 SCALE: 3/4" = 1'-0"



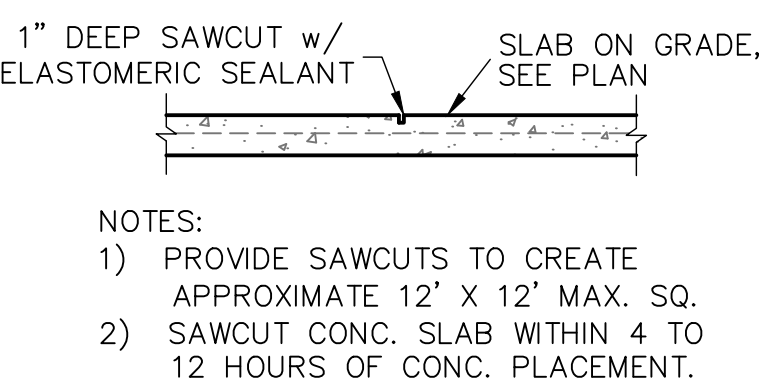
8 GARAGE STEM WALL
S1.01 (IF REQUIRED)



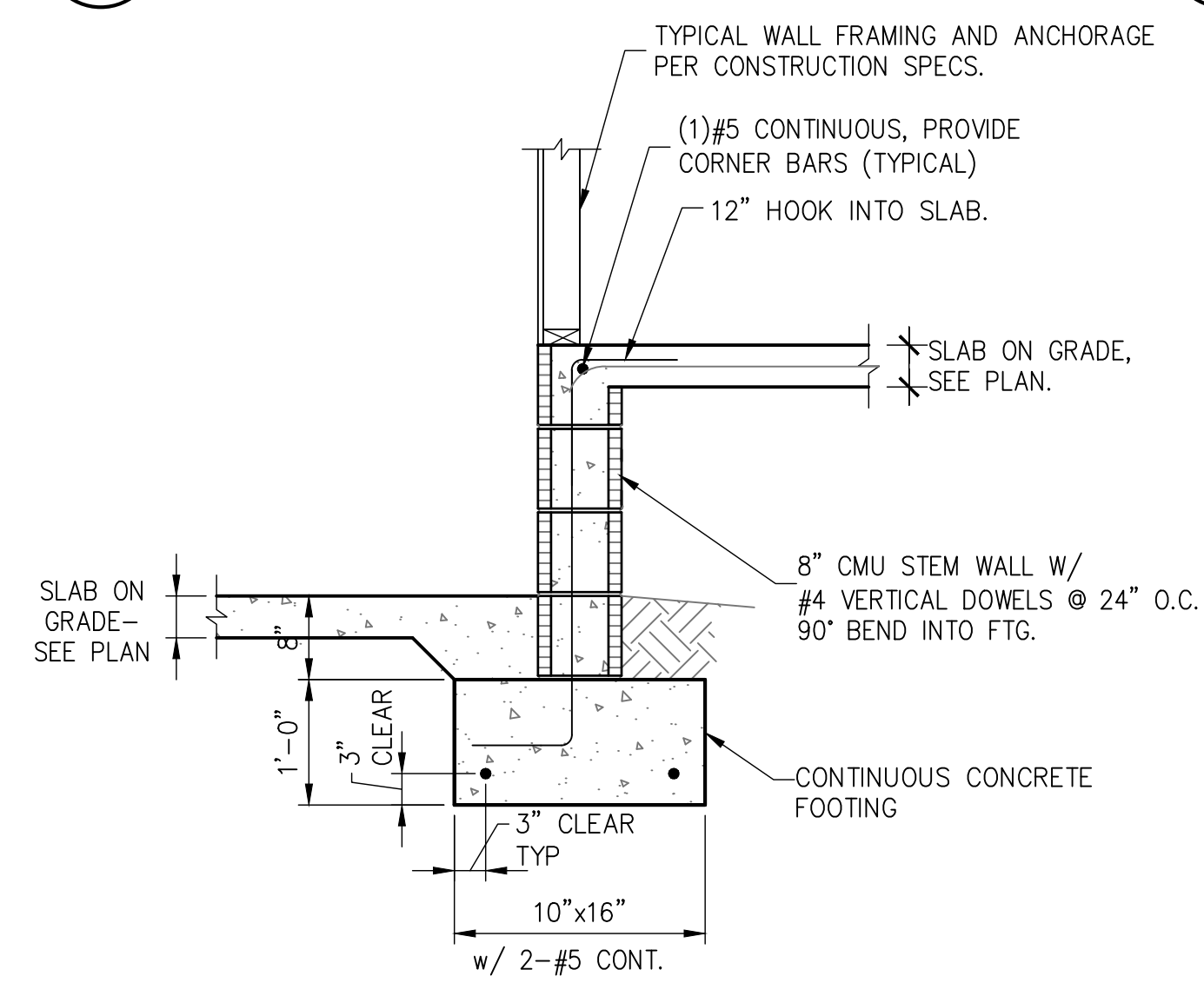
2 FOOTING W/ SHOWER RECESS
S1.01 SCALE: 3/4" = 1'-0"



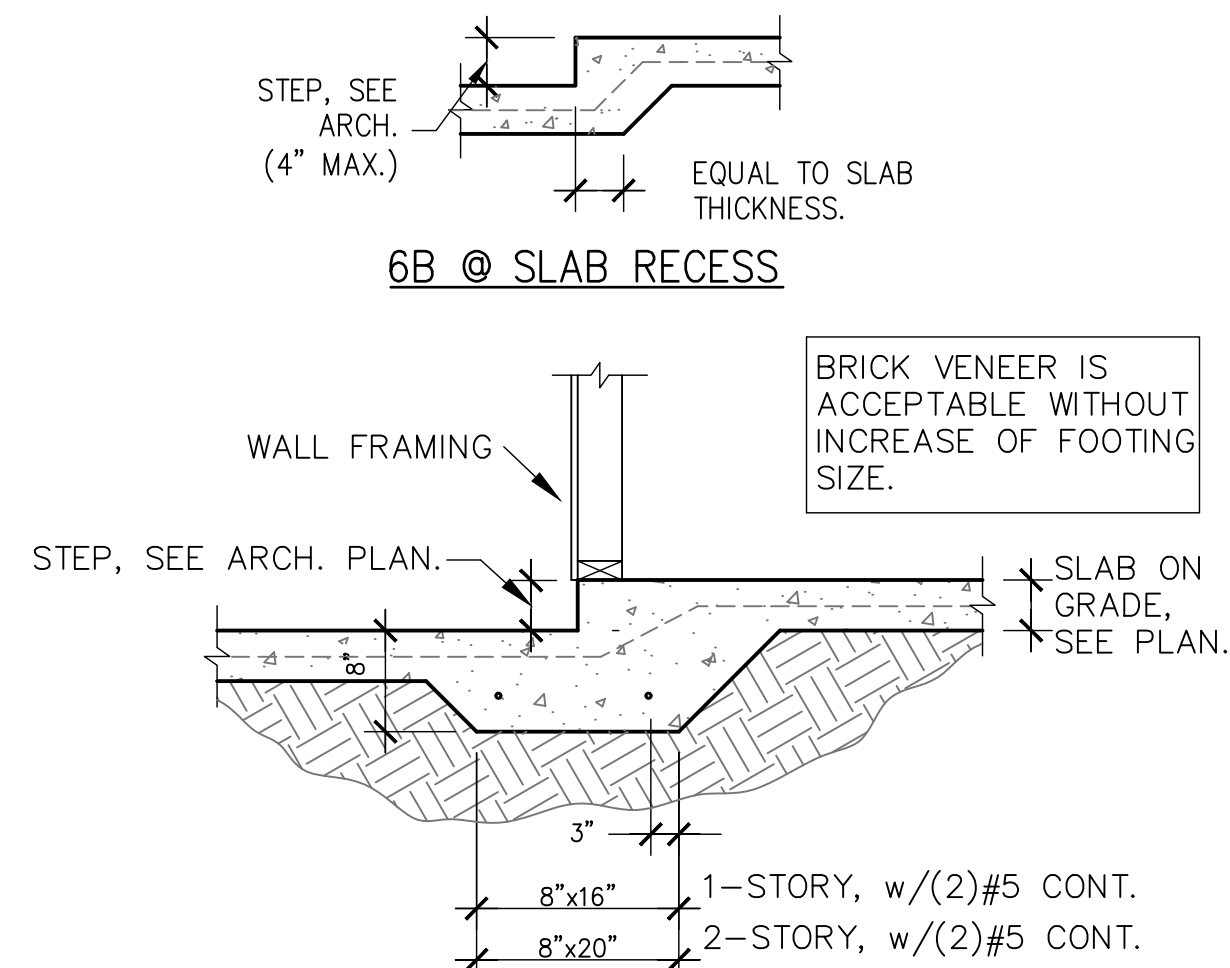
6 BEARING AT INTERIOR
S1.01 SCALE: 3/4" = 1'-0"



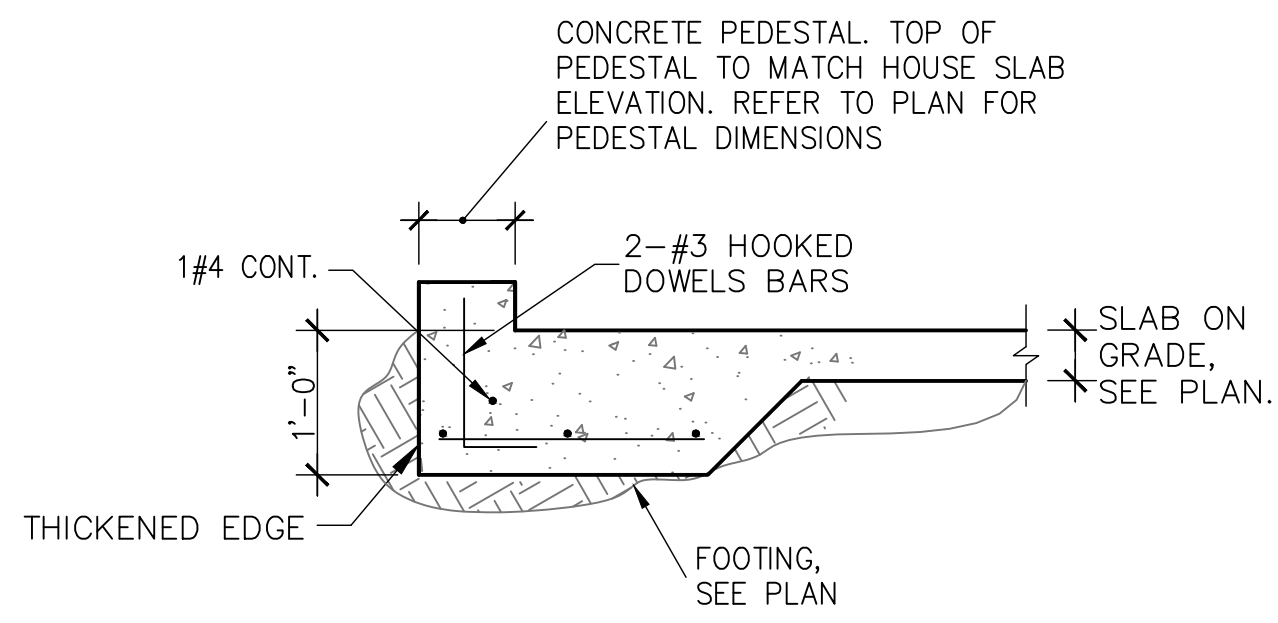
5 SAW CUT DETAIL
S1.01 SCALE: 3/4" = 1'-0"



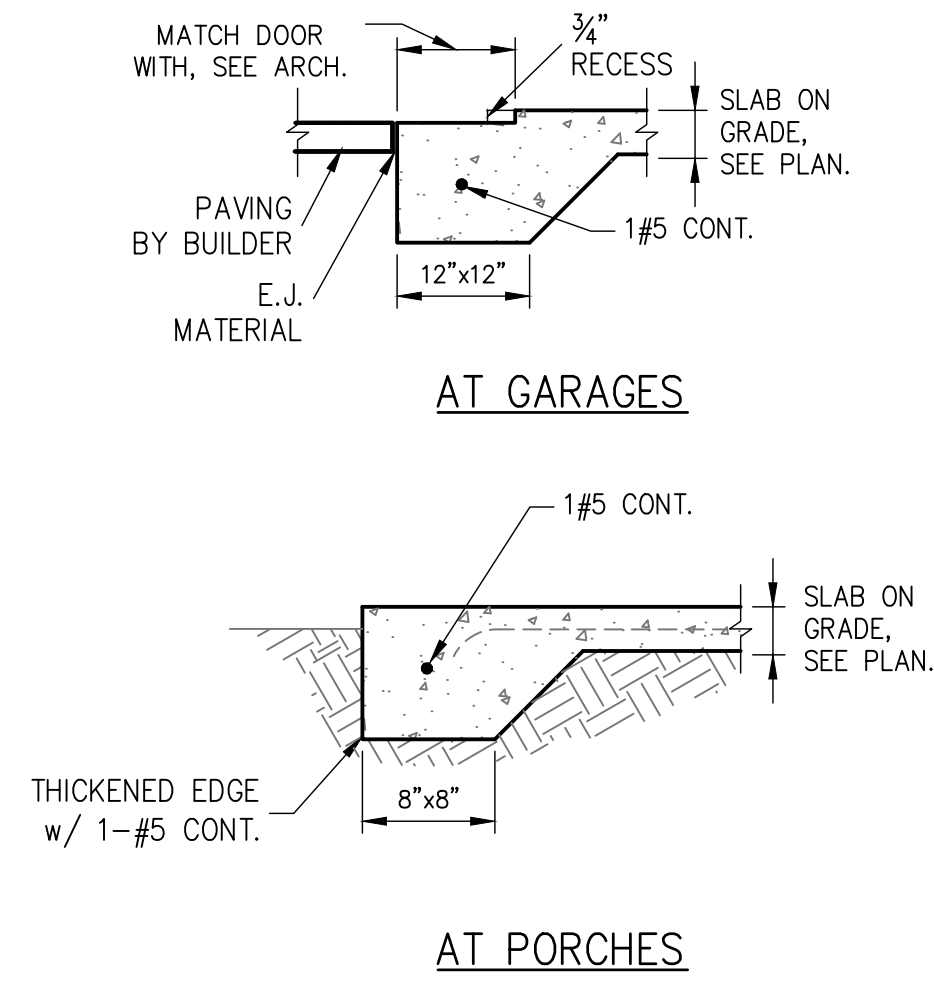
9 STEMWALL AT GARAGE
S1.01 SCALE: 3/4" = 1'-0"



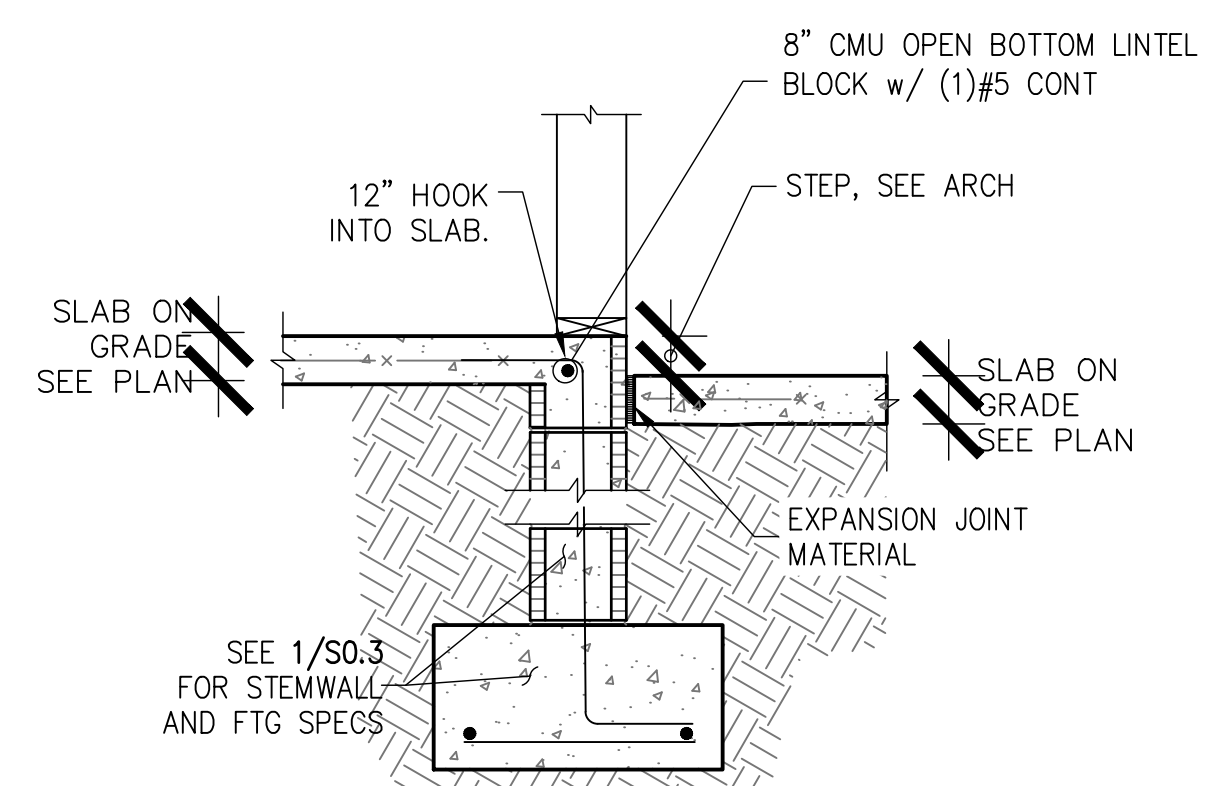
6 MONO. FOOTING AT STEP-DOWN
S1.01 SCALE: 3/4" = 1'-0"



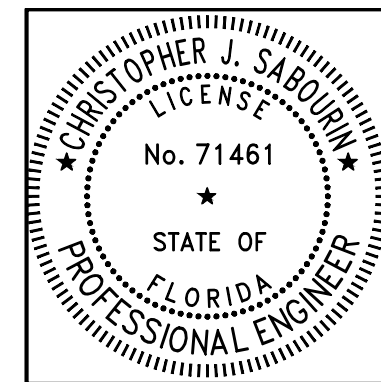
10 PEDESTAL AT PORCH SLAB
S1.01



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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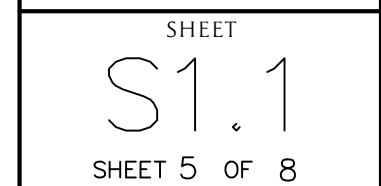
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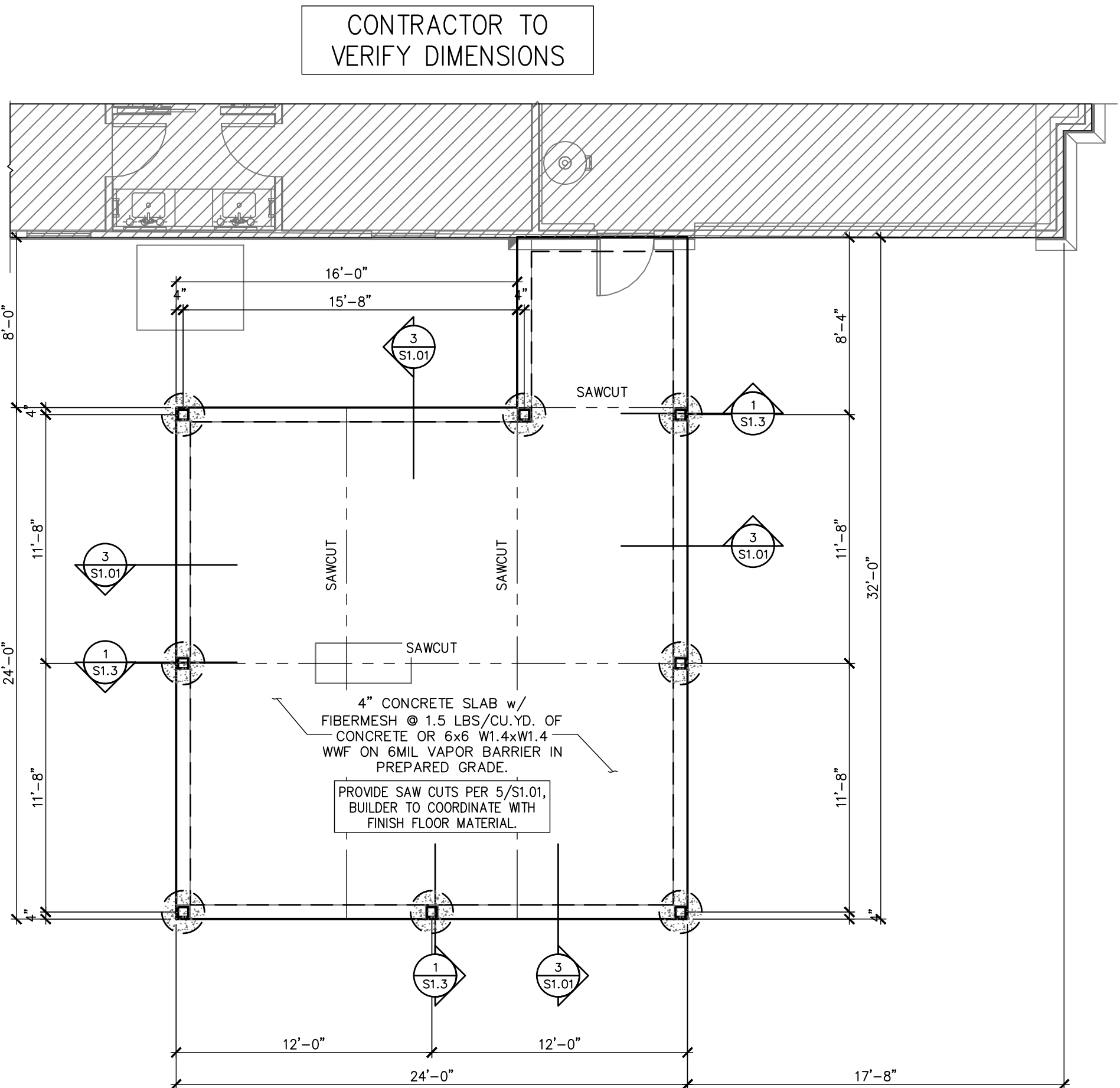
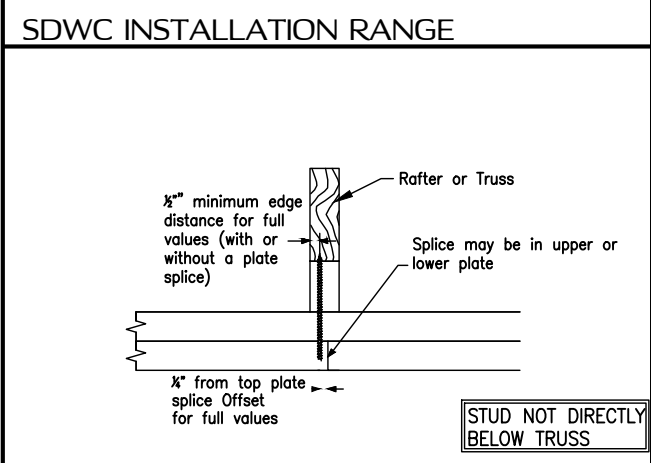
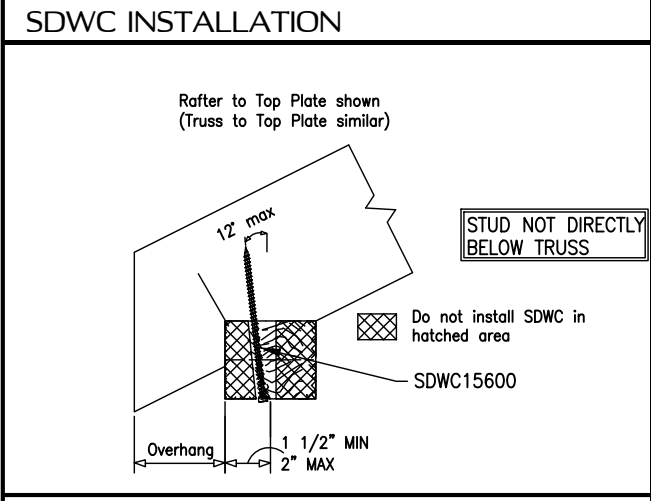
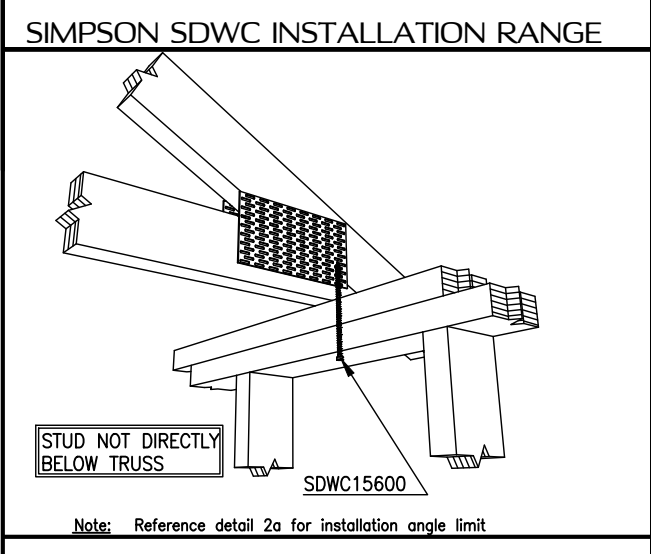
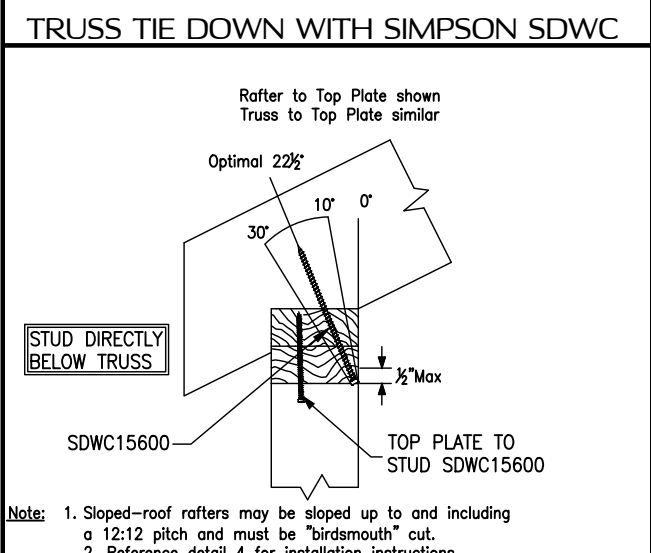
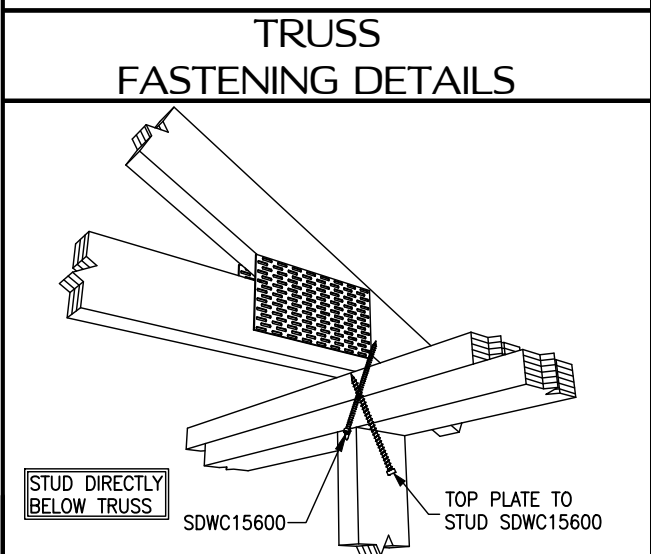
SHEET
S1.01
SHEET 4 OF 8



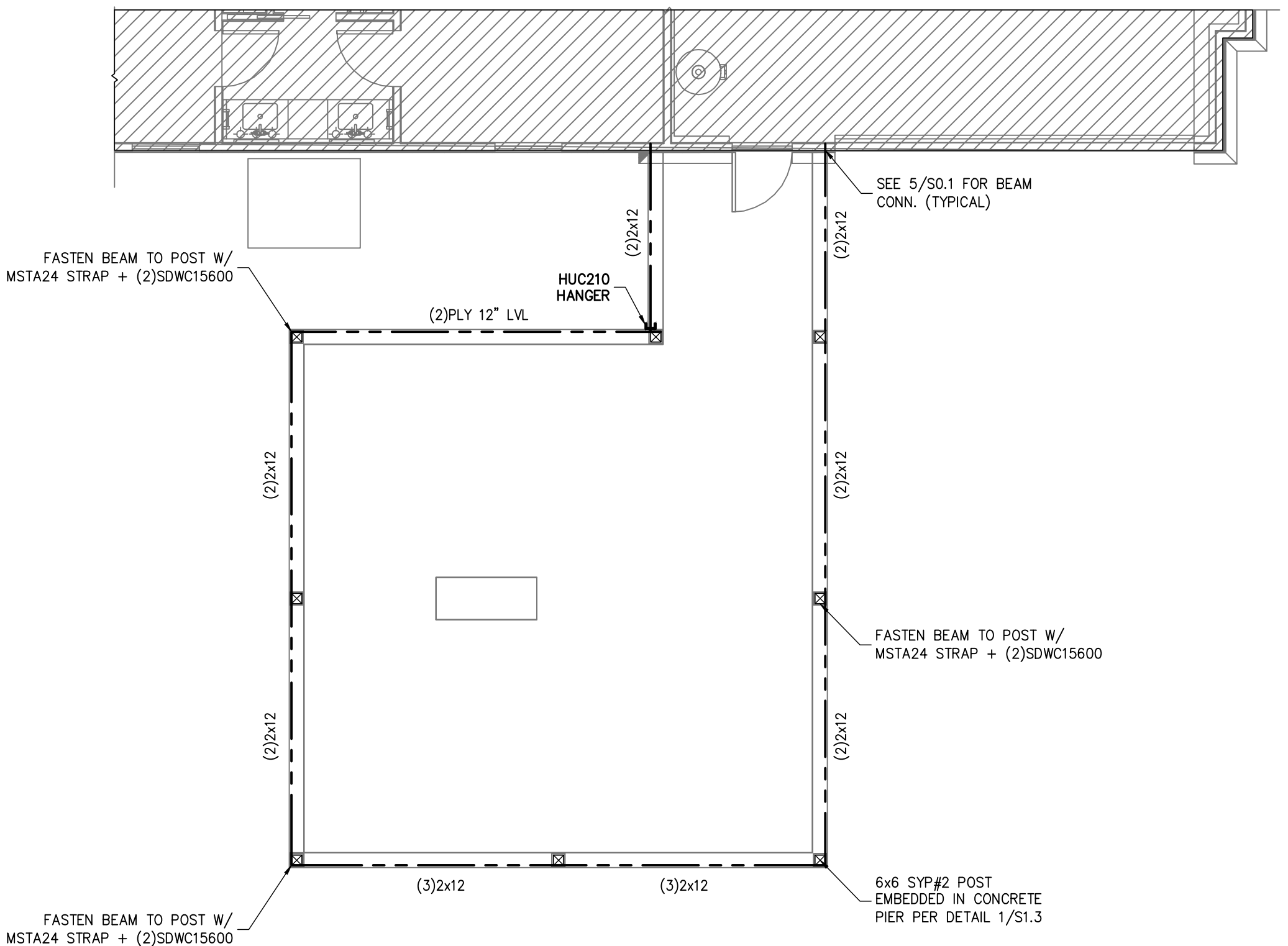
SYMBOLS LEGEND	
	DESIGNATES FOOTING LINE
	DESIGNATES SAWCUT LINE
	STEM WALL FOOTING
	DESIGNATES SLAB RECESS

FOOTING SCHEDULE AND NOTES				
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F2.5	2'-6"	2'-6"	1'-0"	3-#5 EA. WAY BOT.
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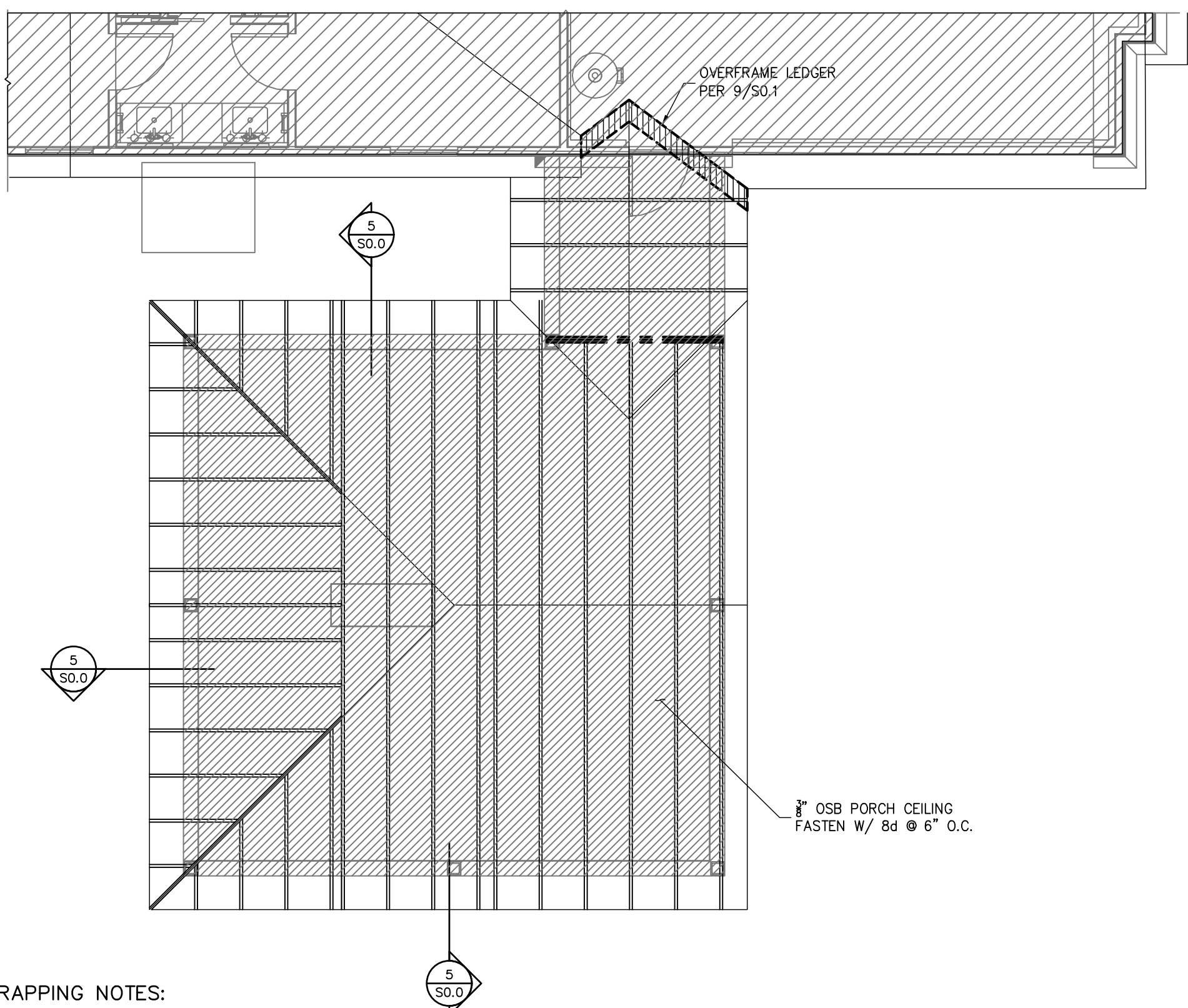
SYMBOLS LEGEND	
HTS16	DESIGNATES UPRT CONNECTION.
FRAMING PLAN NOTES:	
1. FOR TYPICAL ROOF SHEATHING AND FRAMING, SEE SHEET S0.0.	
2. FOR SPECIFIC UPRT CONNECTIONS, SEE PLAN MIN. (TYPING) CONNECTION.	
3. FOR GENERAL DESIGN SPECIFICATIONS SEE SHEET S0.0.	
4. WHEN USING CONCRETE CLIPS ON 1/2" X 1/2" LUMBER, PLACE CLIPS DIAGONALLY ACROSS DOUBLE TOP PLATE FROM EACH OTHER.	



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



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

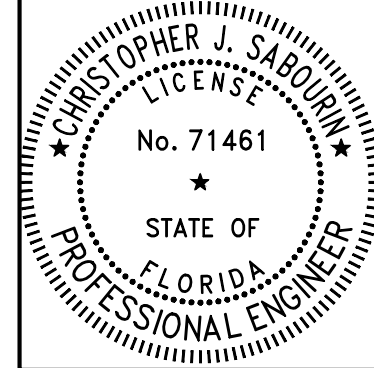


CARPORT ROOF TRUSS PLACEMENT PLAN
SCALE: 3/16" = 1'-0"

ROOF TRUSS & RAFTER STRAPPING NOTES:

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

SYMBOLS LEGEND	
	DESIGNATES OSB SHEARWALL. THE HIDDEN LINE DESIGNATES SEE IF WALL THE SHEARWALL SHEATHING TO BE APPLIED. 8d @ 16" O.C. EDGES & 8" O.C. "IN THE FIELD"
(2)2x4-1/2	DESIGNATES THE HEADER SIZE, NUMBER OF PLAYS & JACO STUDS NEEDED FOR SUPPORT HEADERS.
---	BEAM OR TRUSS, SEE PLAN
ANCHOR LEGEND	
X	N" ASOT DIAMETER FULL HEIGHT THREADED ROD, SEE DETAIL 12/S0.1
X5	N" ASOT DIAMETER FULL HEIGHT THREADED ROD, SEE DETAIL 12/S0.1
	N" ASOT DIAMETER THREADED ROD TERMINATES AT FIRST FLOOR TOP PLATE, SEE DETAIL 12/S0.1
	N" ASOT DIAMETER THREADED ROD TERMINATES AT FIRST FLOOR TOP PLATE, SEE DETAIL 12/S0.1
	SIMPSON HTTS SEE DETAIL 15/S0.1
	SIMPSON DT222 SEE DETAIL 15/S0.1
	SIMPSON LT2208 SEE DETAIL 15/S0.1
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 @ 16" O.C.
INTERIOR	10'-0" MAX. 2x4 SPF#2 @ 16" O.C.
INTERIOR	12'-0" MAX. 2x4 SPF#2 @ 16" O.C. SE
INTERIOR	12'-0" MAX. 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 SPF#2 FOR ALL TOP PLATES AND SOLE PLATES.	
5) FASTEN BOTTOM PLATE OF INTERIOR LOAD BEARING WALLS TO CONCRETE SLAB W/16x MASONRY CUT NAILS @ 16" O.C. MINIMUM. SEE 3/S0.0 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/S0.1 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/S0.0	
4. INSTALL SOLE PLATE ANCHORS PER DETAIL 3/S0.0	
GENERAL NOTES	
1. SEE DETAIL 2/S0.0 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/S0.0	
4. INSTALL SOLE PLATE ANCHORS PER DETAIL 3/S0.0	
5. AT SHEARWALLS, PROVIDE DIAPHRAGM ATTACHMENT PER DETAIL 5/S0.1	
6. FOR ATTACHMENT OF EXTERIOR WALLS THAT TERMINATE BETWEEN TRUSSES, SEE 5A/S0.1	
7. AT PORCHES, SEE DETAIL 2/S0.1 FOR FRAMING AND HOLD DOWNS	



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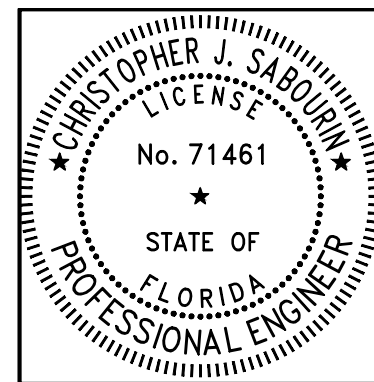
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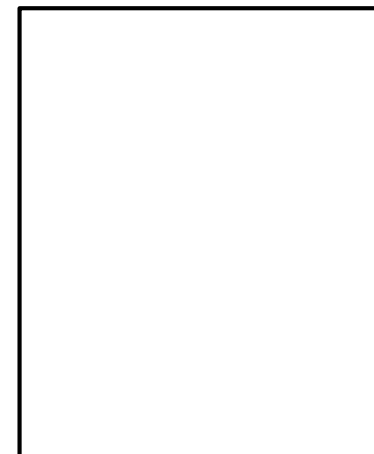
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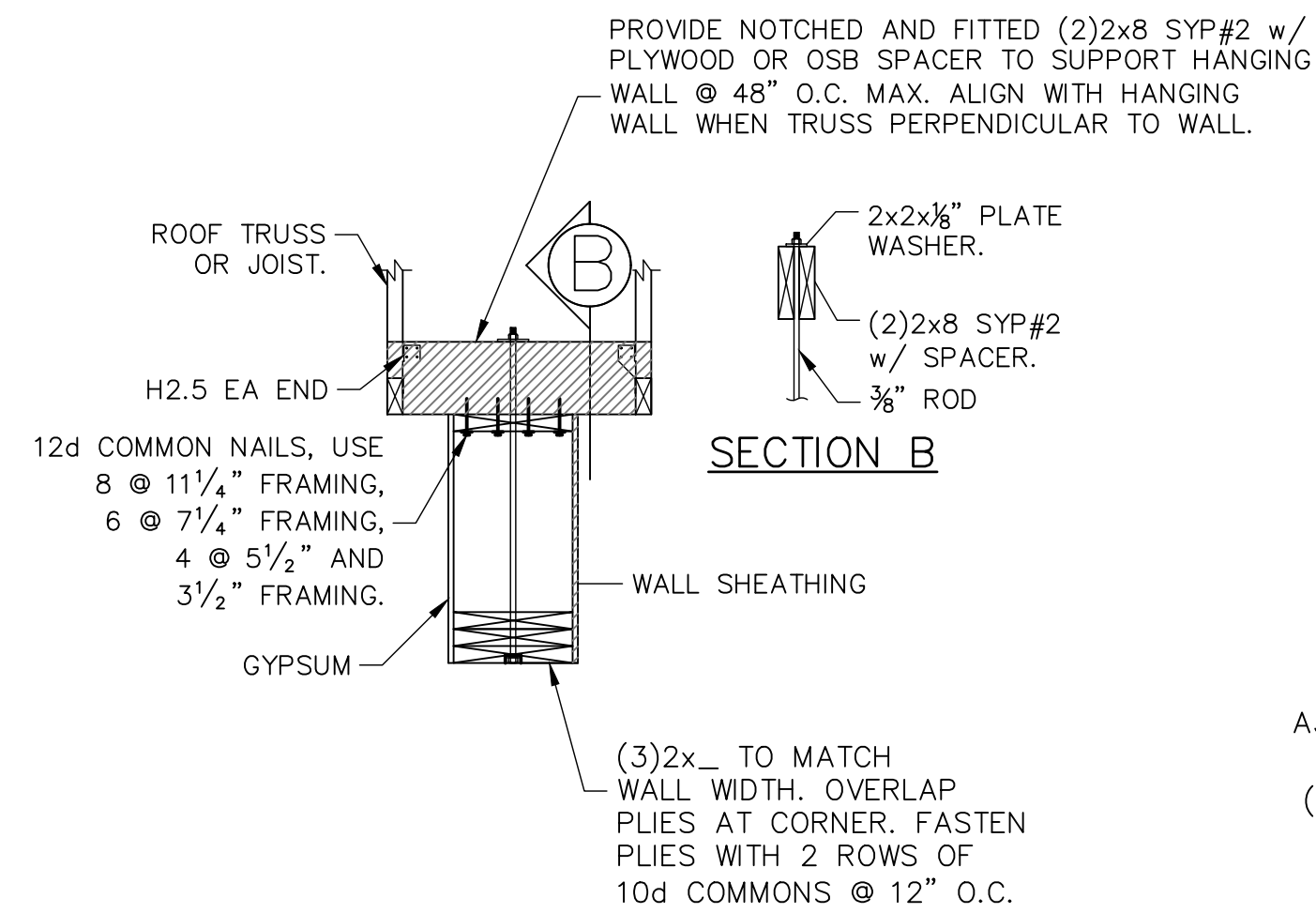
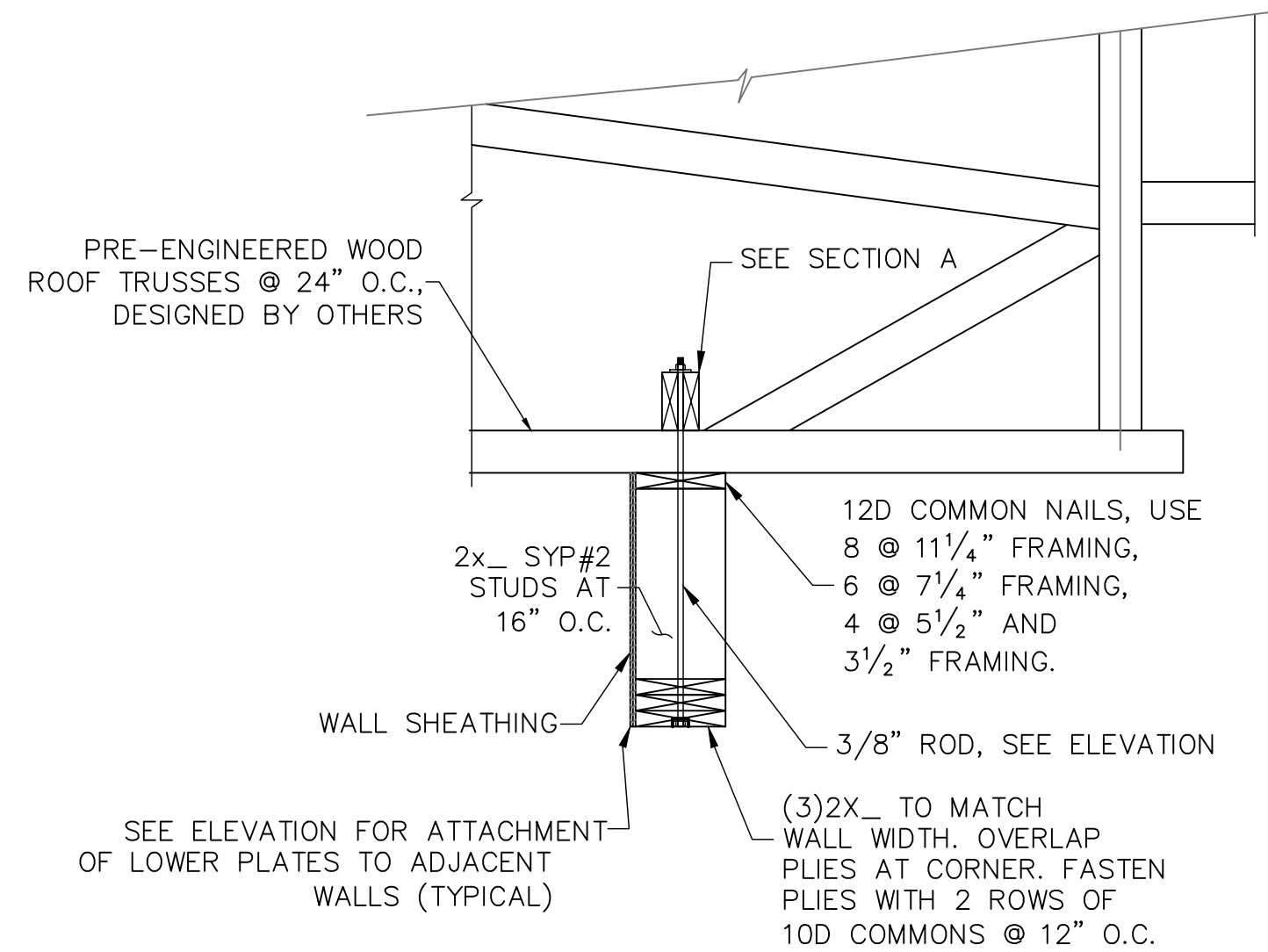
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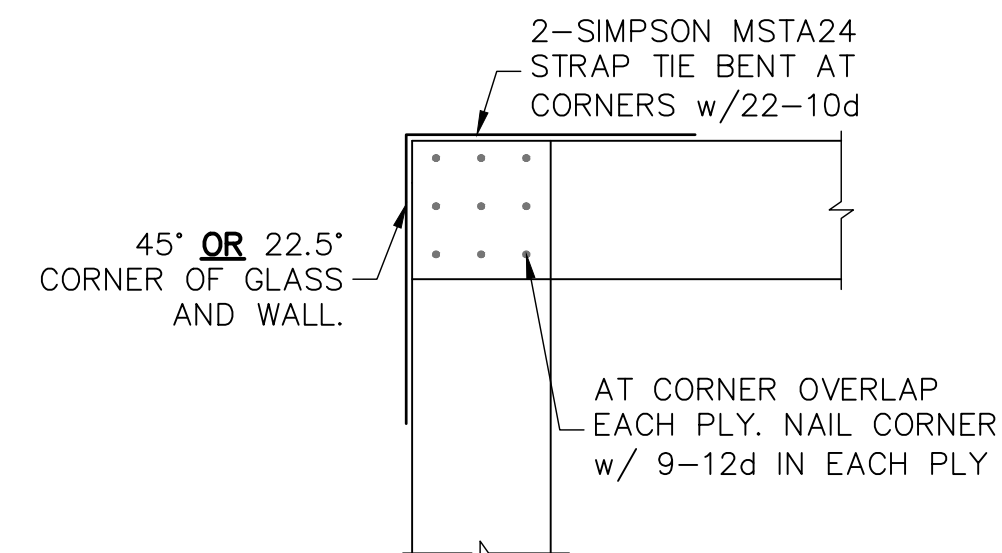
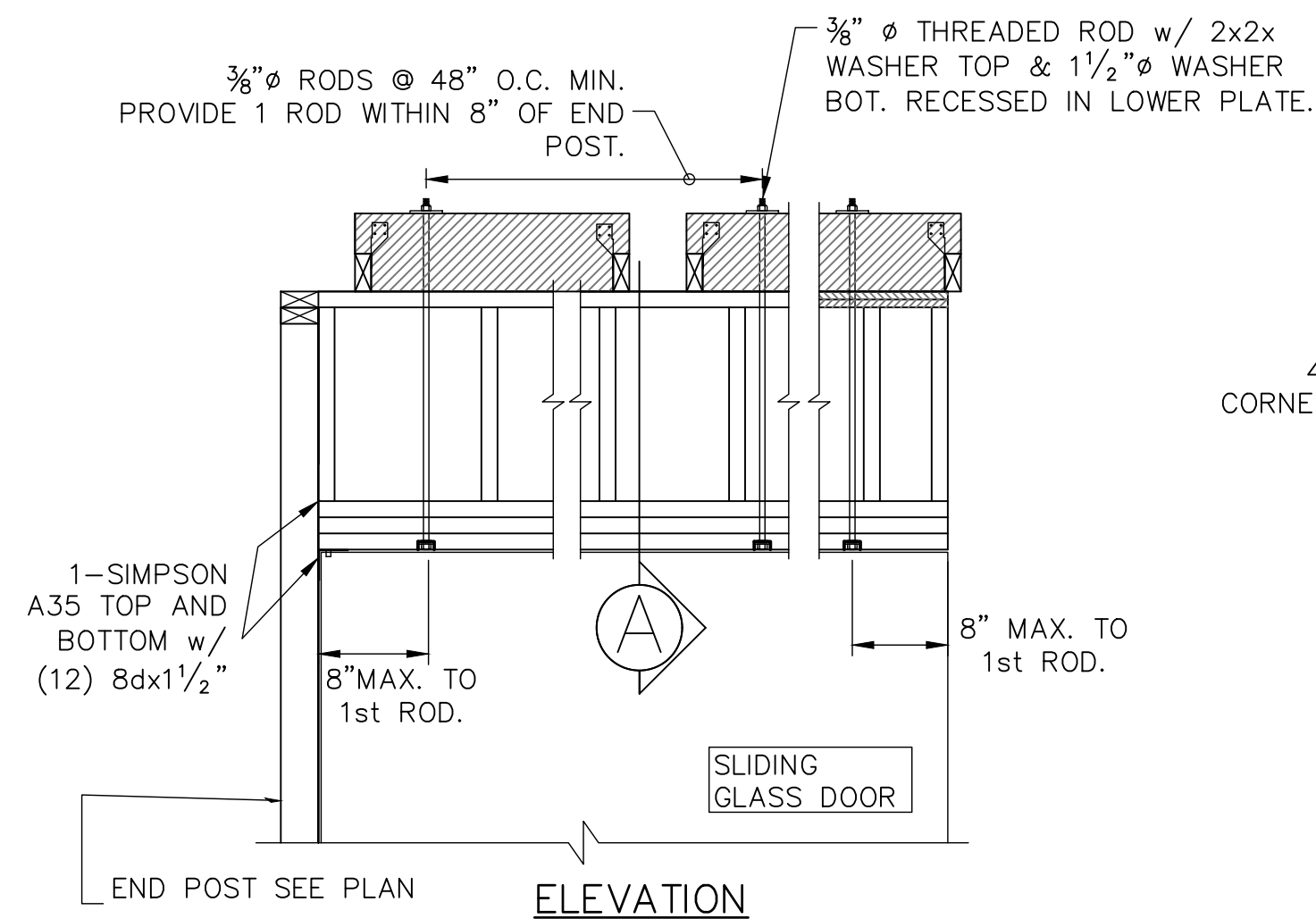
MISC DETAILS

SHEET
S2.0
SHEET 8 OF 8

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



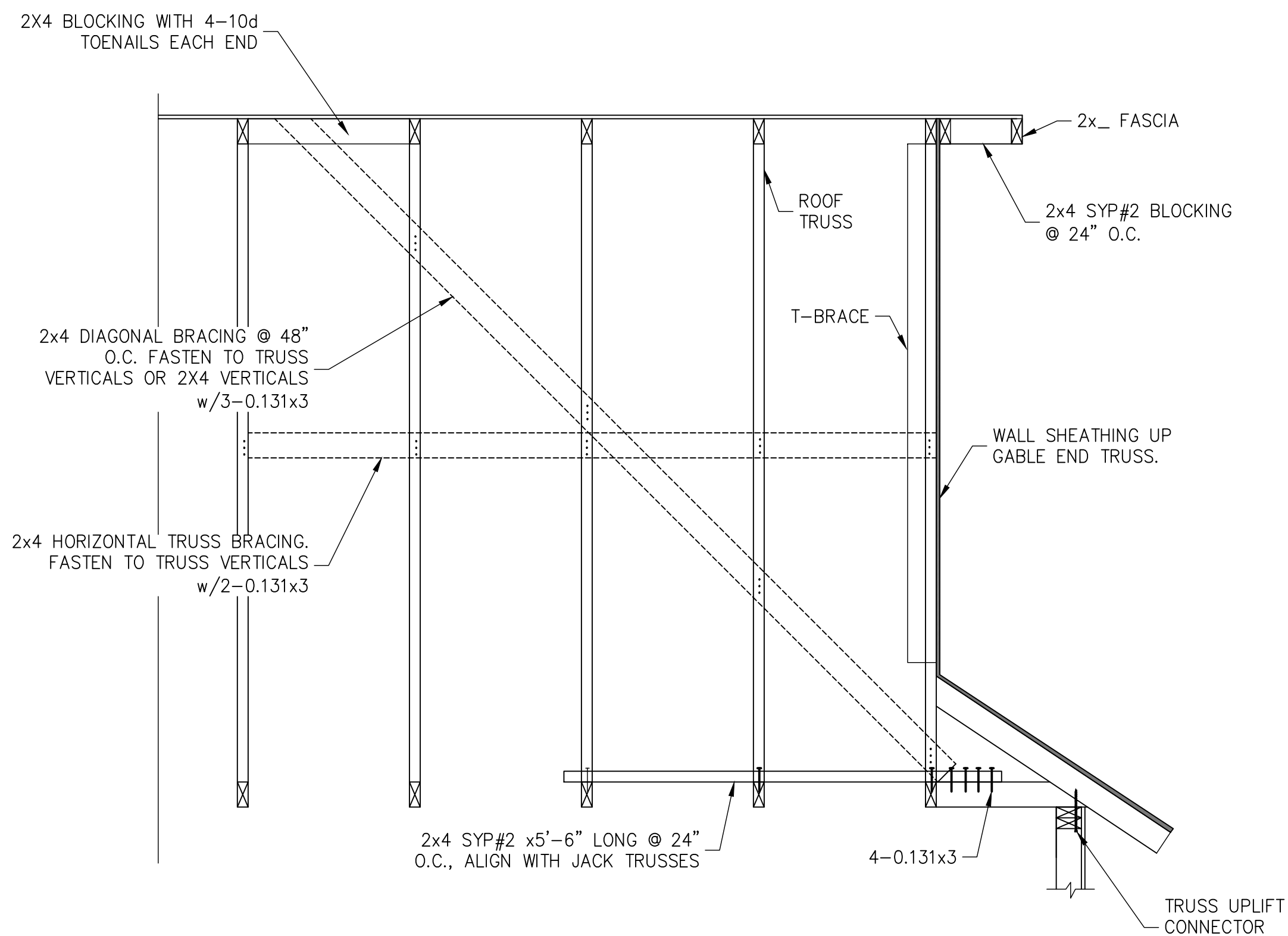
SECTION A



SECTION AT CORNER

1 SLIDING GLASS DOOR HEADER FRAMING

SCALE: N.T.S.



2 GABLE END BRACE DETAIL

S2.0