

GENERAL NOTES

ENGINEERING DESIGN RESPONSIBILITIES:

THE ITEMS SPECIFICALLY DESIGNED BY THE STRUCTURAL ENGINEER ARE LIMITED TO THE FOLLOWING: STRUCTURAL COMPONENTS SUCH AS THE FOOTINGS, BEAMS, COLUMNS, POST, STUDS, SHEATHING, ETC TO SUPPORT CODE SPECIFIED LOADS. ITEMS NOT DESIGNED INCLUDE: PRE-ENGINEERED WOOD FLOOR AND ROOF TRUSSES, FLOOR FRAMING NOT SPECIFICALLY ADDRESSED AND TRUSS-TO-TRUSS CONNECTION. ITEMS NOT DESIGNED ALSO INCLUDE: ARCHITECTURAL FEATURES SUCH AS EYE BROW ROOFS, CORNICES, NON-STRUCTURAL FRAMING, WATERPROOFING, MECHANICAL OR ELECTRICAL SYSTEM.

GENERAL NOTES:

THESE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKERS AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, MEANS AND METHODS, BRACING, SHORING, FORMS, SCAFFOLDING, DRYING OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER OR STRUCTURAL OBSERVERS SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

TYPICAL DETAILS AND NOTES ON THESE SHEETS SHALL APPLY UNLESS SPECIFICALLY SHOWN OR NOTED OTHERWISE. CONSTRUCTION DETAILS NOT FULLY SHOWN OR NOTED SHALL BE SIMILAR TO DETAILS SHOWN FOR SIMILAR CONDITIONS. ALL WORK, MATERIALS AND CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES, REGULATIONS AND SAFETY REQ'TS.

THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH WORK. FOR DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS, SEE ARCHITECTURAL DRAWINGS. DO NOT SCALE FOR DIMENSIONS NOT SHOWN ON DRAWINGS. SEND WRITTEN REQUEST FOR INFORMATION TO THE ARCHITECT FOR DIMENSIONS NOT PROVIDED.

ALL DIMENSIONS AND ELEVATIONS SHOWN ON STRUCTURAL DRAWINGS SHALL BE VERIFIED WITH ARCHITECTURAL DRAWINGS. RESOLVE ALL DISCREPANCIES WITH ARCHITECT PRIOR TO START OF CONSTRUCTION. DO NOT SCALE DRAWINGS. COORDINATE THE STRUCTURAL DOCUMENTS WITH THE ARCHITECTURAL & MECHANICAL. ARCHITECT/STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY OR OMISSION.

CONTRACTOR HAS SOLE RESPONSIBILITY FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION. CONTRACTOR HAS SOLE RESPONSIBILITY FOR THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS. CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH ALL OSHA SAFETY REGULATIONS FOR ITS EMPLOYEES.

NO STRUCTURAL CHANGE FROM THE APPROVED PLANS AND SPECIFICATIONS SHALL BE MADE IN THE FIELD UNLESS WRITTEN APPROVAL IS OBTAINED PRIOR TO MAKING SUCH CHANGE. CHANGES WITHOUT THE WRITTEN APPROVAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONDITION SHALL BE REPAIRED OR REPLACED AS DIRECTED.

ROOF COVERING SPECIFICATIONS:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF THE ROOF COVERING SYSTEM. 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.

GUARDRAILS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN/INSTALLATION OF GUARDRAILS

WOOD FRAMING

NATIONAL FOREST PRODUCTS ASSOCIATION, AF & PA NDS-05, WITH 2005 SUPPLEMENT, AND AF&PA SPECIAL DESIGN PROVISIONS FOR WIND & SEISMIC, SDPM5-05.

ALL LUMBER, EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE, SHALL BE MILE SIZED AND SURFACED ON (4) SIDES. ALL SHALL BE STRAIGHT STOCK, FREE FROM WARP OR CUP, AND SINGLE LENGTH PIECES. SPLICES WILL NOT BE PERMITTED EXCEPT WHERE SPECIFICALLY SO DETAILED OR AS DIRECTED BY THE ENGINEER.

EACH PIECE OF STRUCTURAL LUMBER, SHEATHING AND TIMBER SHALL BE MARKED WITH THE GRADE BY SUCH COMPETENT AND RELIABLE ORGANIZATION WHOSE REGULAR BUSINESS IS TO ESTABLISH LUMBER GRADES.

UNLESS NOTED OTHERWISE, USE SPRUCE-PINE-FIR (SPF) OR SOUTHERN PINE (SYP). 19% MAX. MOISTURE CONTENT, AS FOLLOWS: SPRUCE PINE FIR #2 SPECIFICATIONS: Fb=775 PSI, Fc(PARALLEL)= 1000 PSI, Fc(=PERP)=335 PSI, Fv=135 PSI, Ft=350 PSI, E=1100 KSI SOUTHERN PINE #2 SPECIFICATIONS FOR LATEST SOUTHERN FOREST PRODUCTS ASSOCIATION (SFPA)

ALL WALLS SHALL BE BALLOON FRAMED FULL HEIGHT TO ROOF OR FLOOR BEARING ELEVATION, UNLESS NOTED OTHERWISE ON PLAN.

ANY WOOD IN CONTACT WITH CONCRETE, MASONRY, OR SOIL, SHALL BE PRESSURE TREATED.

ALL WOOD-TO-WOOD CONNECTIONS SHALL EMPLOY METAL ANCHORS, NO TOE OR END NAILING SHALL BE PERMITTED (UON), EXCEPT FOR AT TOP AND BOTTOM PLATES IN WALLS. METAL CONNECTORS SHALL BE FASTENED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS TO DEVELOP THE PUBLISHED CAPACITY.

TOE NAILS SHALL BE DRIVEN AT AN ANGLE OF 30 DEGREES TO THE PIECE AND BE STARTED AT 1/3 THE NAIL LENGTH FROM THE END OF THE PIECE.

MULTIPLE STUD PACK COLUMNS SHALL BE CONNECTED Laterally TO ONE ANOTHER PER DETAIL INDICATED HEREIN.

TIMBER FASTENING SHALL BE PER FBC "MINIMUM FASTENING SCHEDULE" UNLESS NOTED AS GREATER ON DRAWINGS. ROUGH HARDWARE, JOIST HANGERS, STRAPS, HOLDOWNS, ETC. SHALL BE MANUFACTURED BY "SIMPSON STRONG-TIE" COMPANY OR APPROVED EQUAL. THE MAXIMUM SIZE AND NUMBER OF FASTENERS REQUIRED BY THE MANUFACTURER SHALL BE USED UNLESS NOTED OTHERWISE.

BLOCKING AND FIRESTOPPING TO BE INSTALLED AS REQUIRED TO SUPPORT ALL ITEMS OF FINISH SUCH AS BULKHEADS AND BUCKS. PROVIDE FIREBLOCKING TO CUT OFF ALL CONCEALED DRAFT OPENINGS, BOTH VERTICAL AND HORIZONTAL, BETWEEN CEILING AND FLOOR AREAS (AS REQUIRED BY BUILDING OFFICIAL AND ARCHITECT).

GENERAL NOTES (CONTINUED)

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.

*SHALLOW FOUNDATIONS BEARING 12" BELOW GRADE. ALLOWABLE BEARING PRESSURE = 2,000 PSF

FOUNDATION PLAN ONLY CONVEYS STRUCTURAL INFORMATION. FOR GENERAL FEATURES, CONDUITS, ELECTRICAL EMBEDS, STEP HEIGHTS, ETC., SEE ARCHITECTURAL PLANS. DO NOT SCALE FOOTING DIMENSIONS AND LOCATIONS FROM THE FOUNDATION PLAN. IF FOOTING SIZE OR LOCATION IS NOT DETERMINED ON PLAN THEN CONTACT THE STRUCTURAL ENGINEER.

UNLESS OTHERWISE NOTED ON DRAWINGS, MINIMUM CONCRETE COVER FOR REINFORCING SHALL BE 3" IN FOOTINGS AND MESH SHALL BE CENTERED IN SLAB ON GRADE USING SUPPORT BARS AND CHAIRS. IN ALL CONTINUOUS FOOTINGS PROVIDE #4 @ 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

WHERE FILL IS REQUIRED, IT SHALL BE PLACED IN ACCORDANCE WITH INSTRUCTIONS OF THE PROJECT GEOTECHNICAL ENGINEER TO MAINTAIN DESIGN BEARING PRESSURE.

CONCRETE SLABS ON GRADE:

CONCRETE SLABS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. SLABS 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 SOL TREATMENT FOR PREVENTION OF SUBTERRANEAN TERMITES.

CONCRETE SLAB "CONTROL JOINTS" SHALL BE CUT INTO THE SLABS AT A DEPTH OF 1/4 TIMES THE THICKNESS OF THE SLAB WITHIN 12 HOURS OF PLACING THE CONCRETE. MAXIMUM SPACING OF INTERIOR SLAB CONTROL JOINTS, UNLESS NOTED OTHERWISE, SHALL BE 15'-0" (MAX.) IN EACH DIRECTION. LOCATION OF CONTROL JOINTS SHALL BE LOCATED SUCH THAT THE AREA CONTAINED IS 300 SQUARE FEET MAX., WITH A MAXIMUM RATIO OF LONG TO SHORT SIZE OF 2 TO 1.

MASONRY SPECIFICATIONS:

MASONRY HAS BEEN DESIGNED IN ACCORDANCE WITH ACI 530-05, AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI530.1-05. 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 3/8 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.

STEINFLASH:

ALL CONCRETE MASONRY UNITS SHALL BE COMPOSED OF ASTM C90E, E GRADE N-1 HOLLOW CONCRETE MASONRY UNITS WITH TYPE "S" MORTAR. WALL COURSEING SHALL BE RUNNING BONDS, STACK BOND SHALL NOT BE USED. GROUT ALL CELLS CONTAINING VERTICAL REINFORCEMENT WITH 3000 PSI PEA ROCK 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 CONSTRUCTED OF 5 OR MORE COURSES, PROVIDE HORIZONTAL JOINT REINFORCEMENT AT 16" O.C. VERTICALLY, (EVERY OTHER COURSE), AND VERTICAL REINFORCING SHALL BE INCREASED AS NOTED ON S.I.O. UNLESS NOTED OTHERWISE. LAP JOINT REINFORCING SHALL BE A MINIMUM OF 6".

EPOXY ANCHORS IN CONCRETE:

ADHESIVE FOR REINFORCING JOUELS IN EXISTING CONCRETE SHALL BE EITHER THE HIT HY150 MAX INJECTION ADHESIVE SUPPLIED BY HILTI FASTENING SYSTEMS, EPOXY-TIE SET EPOXY ADHESIVE SUPPLIED BY SIMPSON STRONGTIE COMPANY, POWER-FAST EPOXY INJECTION GEL SUPPLIED BY POWERS FASTENERS, EPCON G5 EPOXY ADHESIVE SUPPLIED BY ITW RAMSEY/RED HEAD OR APPROVED EQUAL. MIN. EMBEDMENT LENGTH SHALL BE 12 BAR DIAMETERS, UNLESS NOTED OTHERWISE.

PRE-ENGINEERED WOOD FLOOR AND ROOF TRUSSES:

"CAND-HAL" PRE-ENGINEERED WOOD TRUSSES ARE TO BE CONSTRUCTED WITH METAL PLATE CONNECTORS AND DESIGNED BY A DELEGATED ENGINEER. TRUSSES SHALL COMPLY WITH NFPA, TPI, AND AITC 100. THE TRUSS MANUFACTURER SHALL PROVIDE DESIGN CALCULATIONS AND SHOP DRAWINGS SIGNED AND SEALED BY A STRUCTURAL ENGINEER (CONTRACTED BY TRUSS MANUFACTURER) FOR REVIEW PRIOR TO FABRICATION.

PROVIDE ALL REQUIRED BLOCKING AND BRACING REQUIRED BY THE MANUFACTURER FOR CONSTRUCTION AND ERECTION IN ADDITION TO BLOCKING SHOWN ON THE STRUCTURAL DETAILS. MEMBERS OF A COMPLETED TRUSS ARE NEVER TO BE NOTCHED OR CUT. THE DESIGN SHALL ACCOUNT FOR ALL UNIFORM LOADS AND EQUIPMENT LOADS. CONTACT THE STRUCTURAL ENGINEER FOR UNIFORM LOADING AND REQUIREMENTS IF REQUIRED.

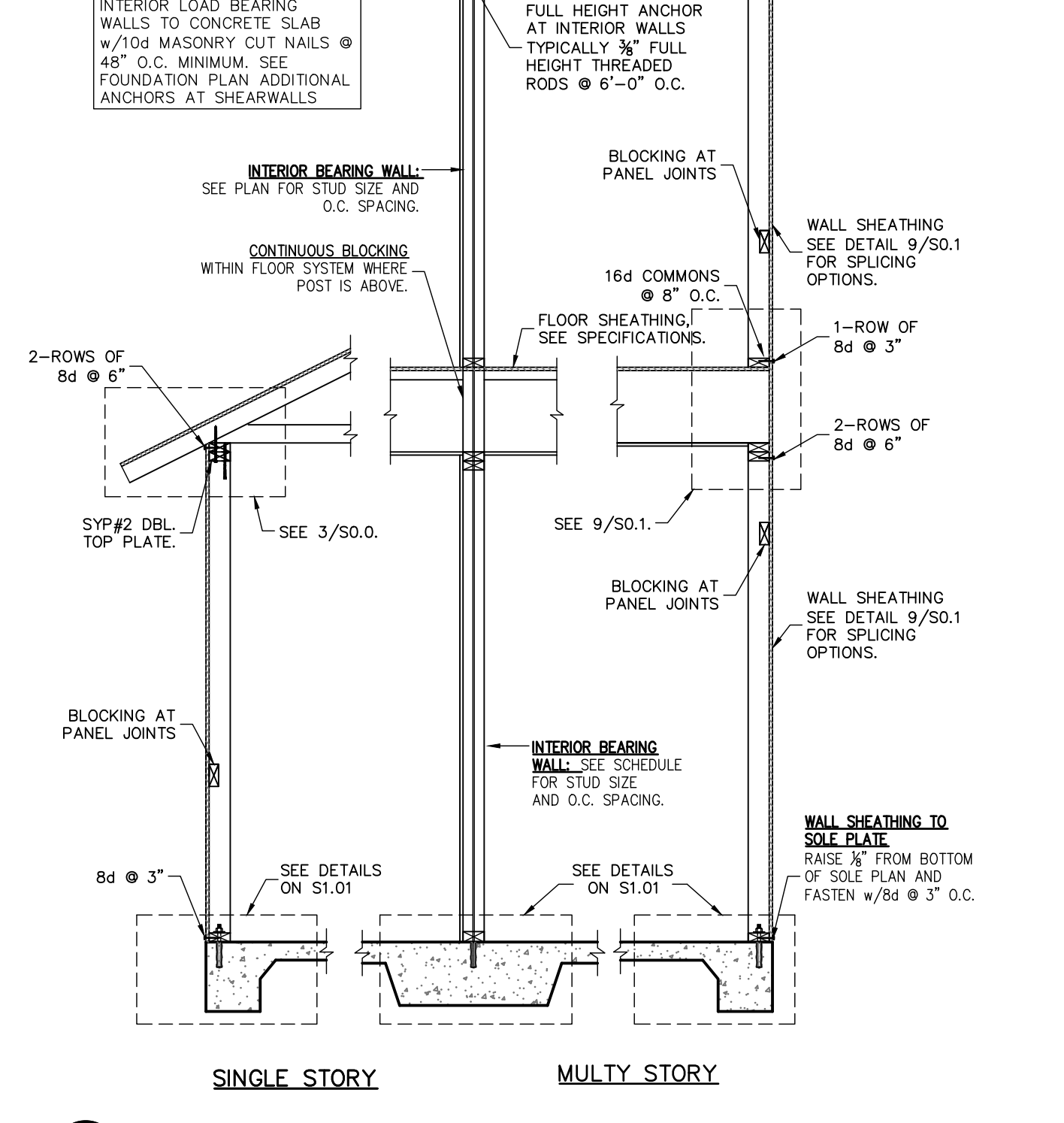
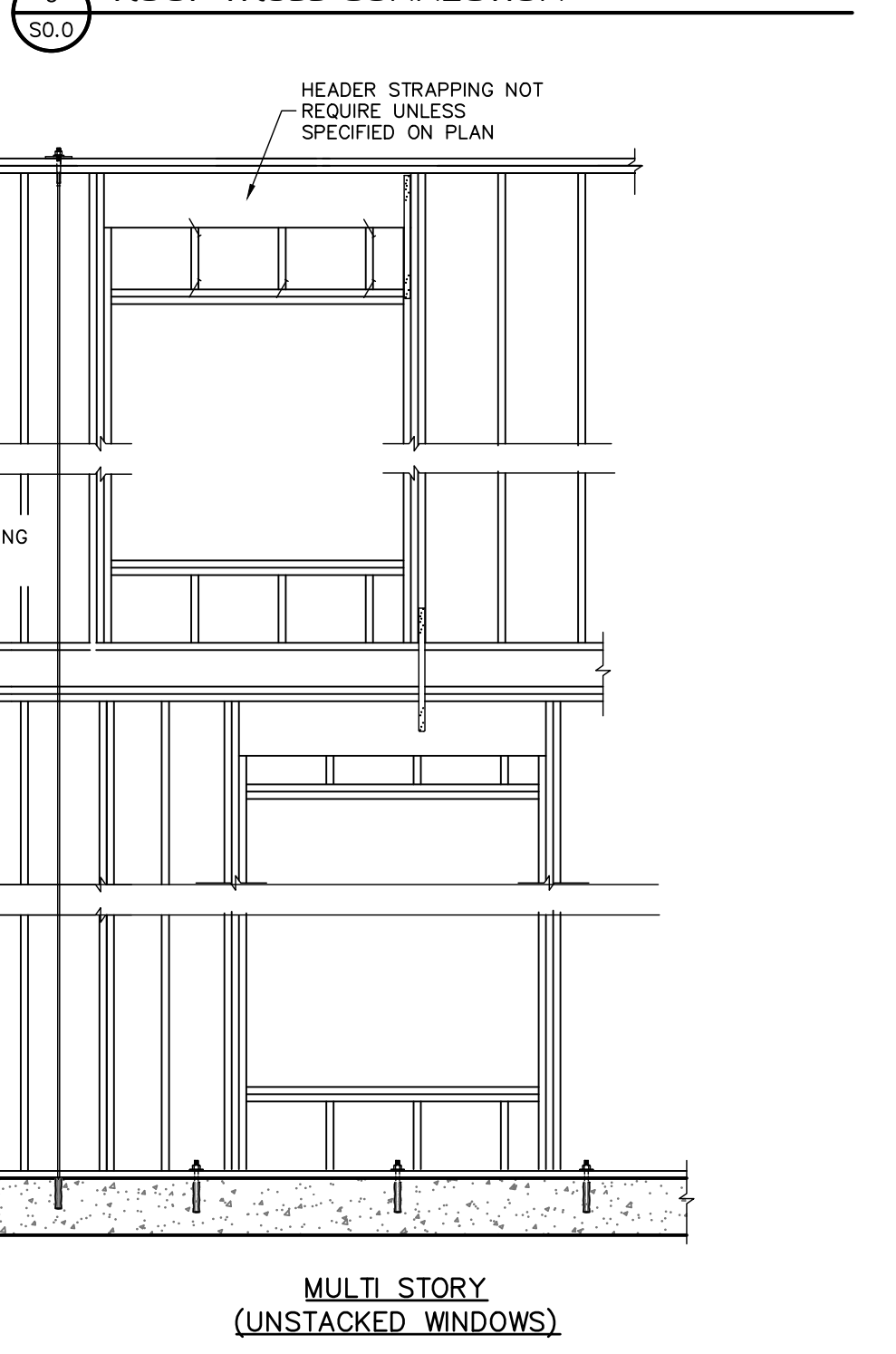
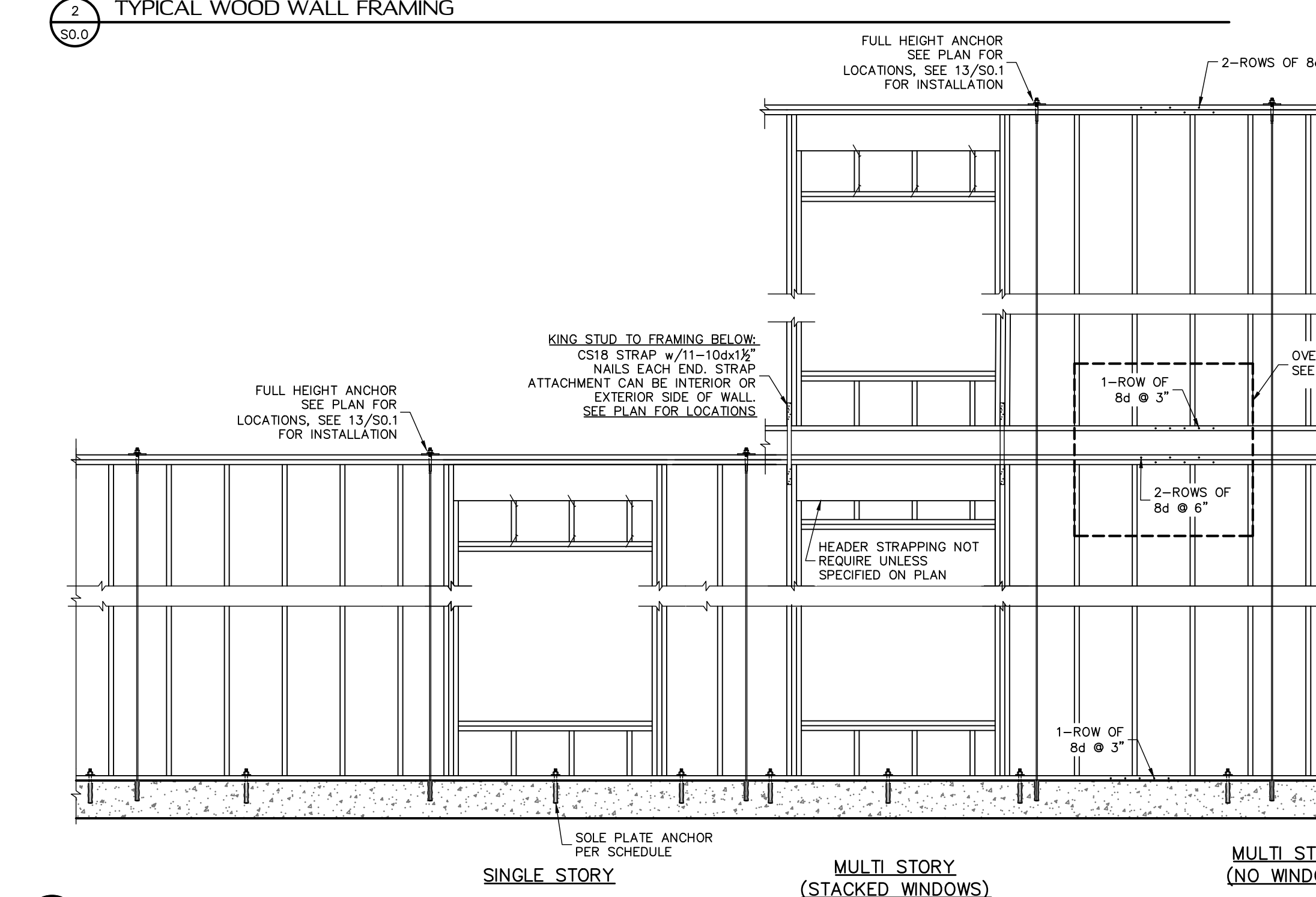
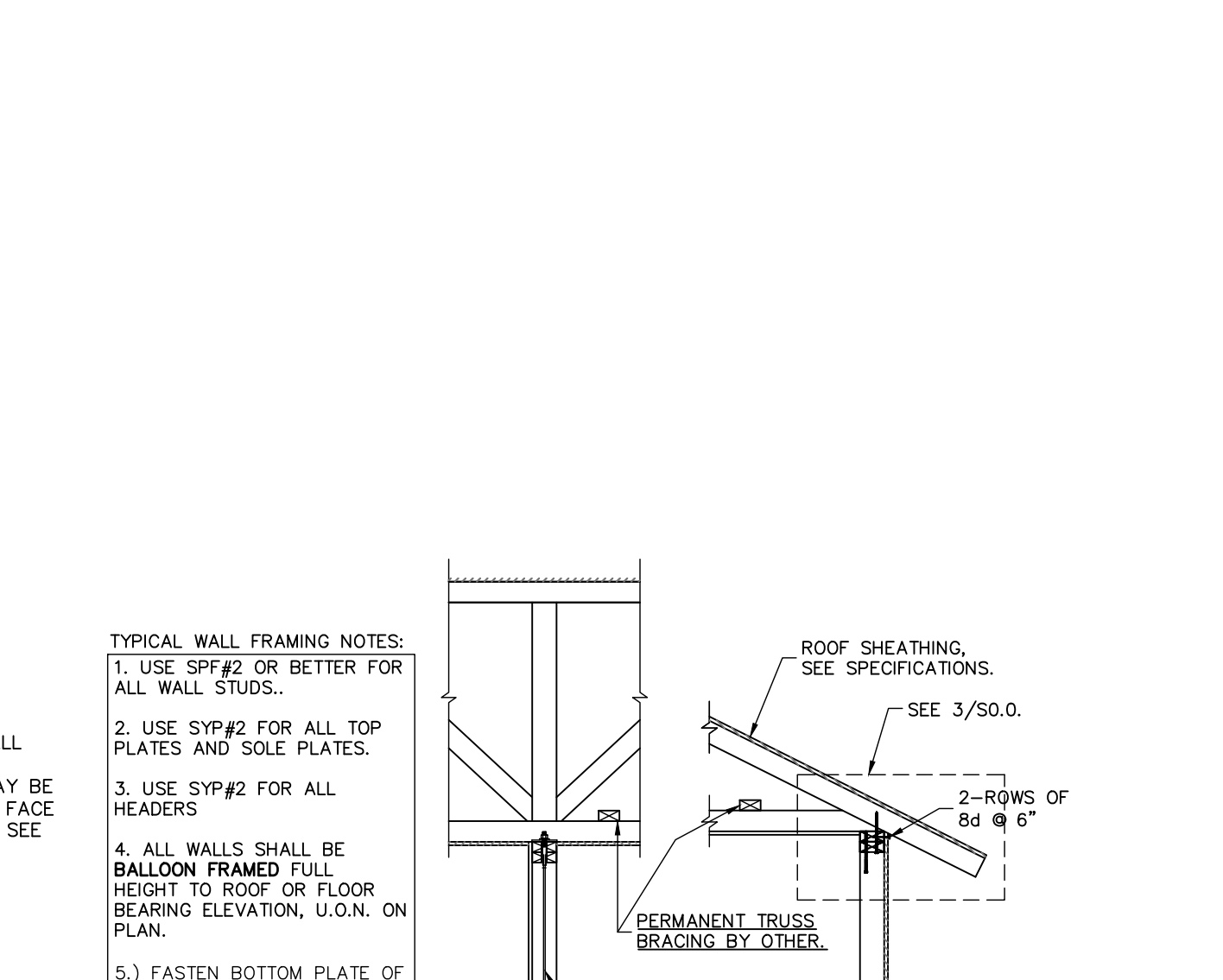
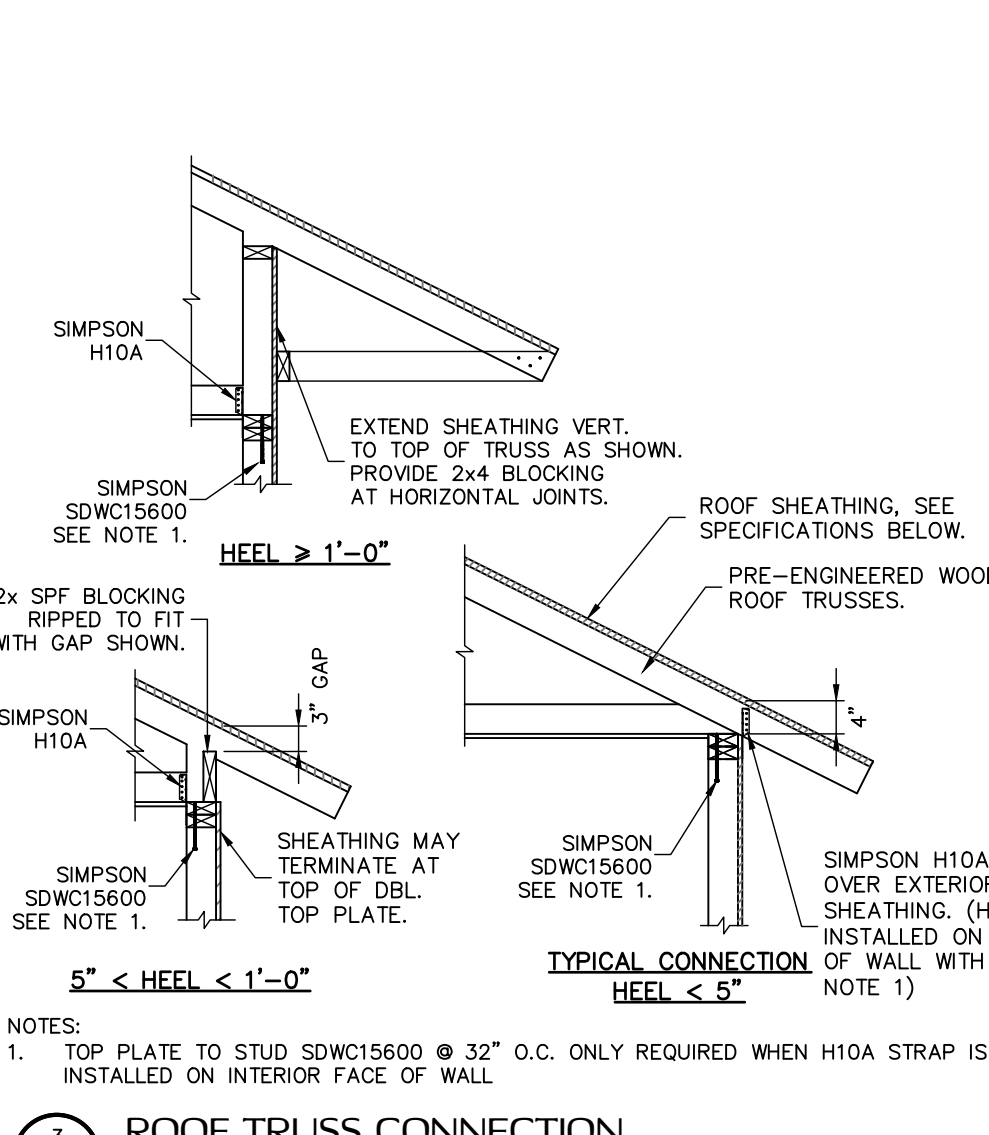
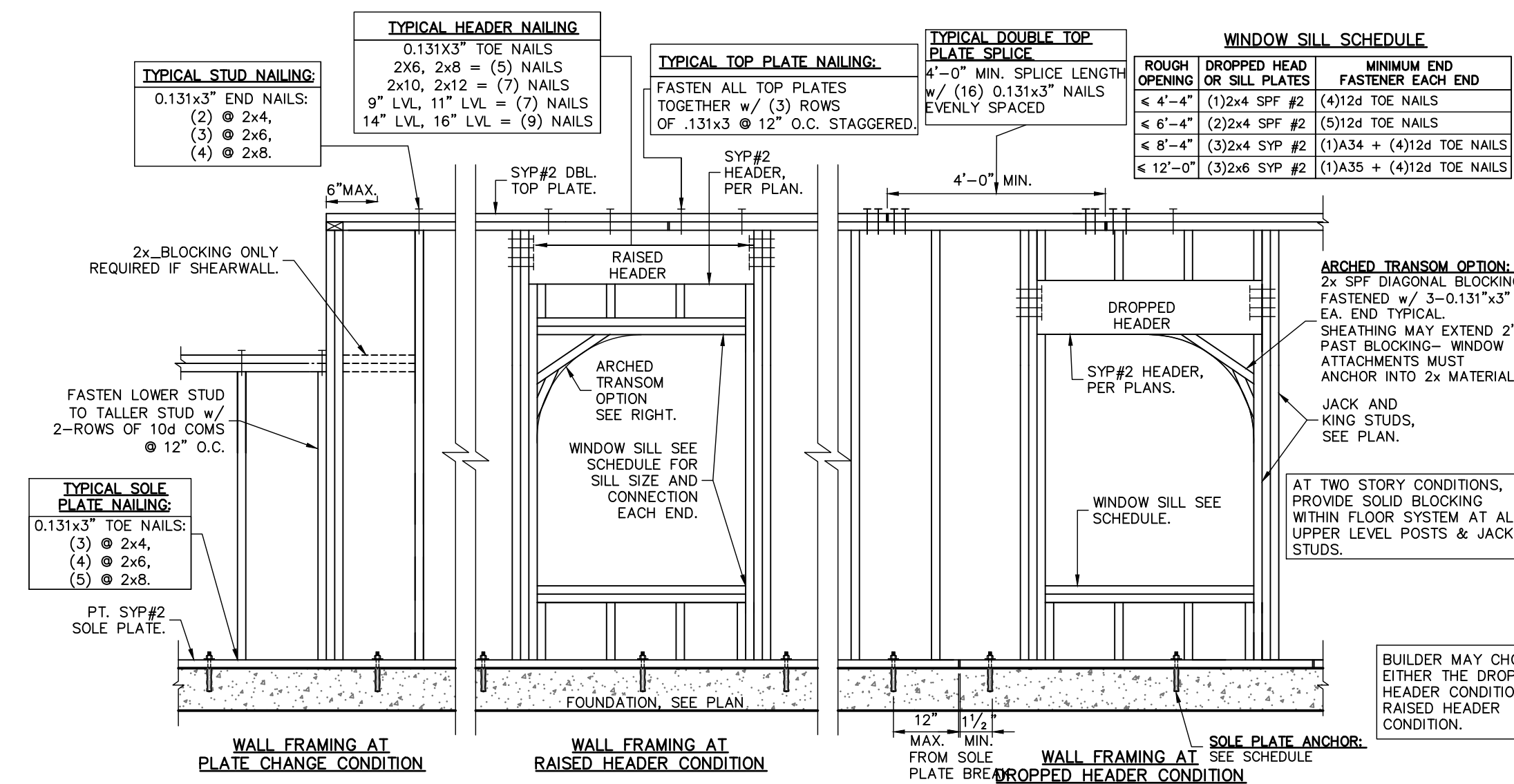
CONTRACTOR SHALL VERIFY THAT ADEQUATE TRUSS BEARING IS INSTALLED AT ALL TRUSSES AS INDICATED IN THE TRUSS SHOP DRAWINGS.

ALL TRUSS-TO-TRUSS CONNECTIONS AND TRUSS PROFILES ARE THE RESPONSIBILITY OF THE DELEGATED TRUSS ENGINEER. PRE-ENGINEERED WOOD TRUSSES SHALL BE BRACED IN ACCORDANCE WITH TRUSS PLATE INSTITUTE'S "HANDLING, INSTALLING AND BRACING METAL PLATE CONNECTED WOOD TRUSSES, HIB-91" AND " BUILDING COMPONENT SAFETY INFORMATION BOOKLET BC51 1-03" AND RELATED SUMMARY SHEETS.

GENERAL CONTRACTOR SHALL NOT CUT OR ALTER ANY TRUSS MEMBER.

FLOOR TRUSSES SHALL CONNECT TO BEARING WALLS WITH A MINIMUM OF (2)-16d TOENAILS. FLOOR TRUSSES SHALL CONNECT TO BEAMS AT FLUSH CONDITIONS WITH SIMPSON HANGERS AS SPECIFIED BY TRUSS DESIGNER.

METAL STRAPPING AND CONNECTOR FASTENING				METAL STRAPPING AND CONNECTOR FASTENING				METAL STRAPPING AND CONNECTOR FASTENING			
SIMPSON CONNECTOR	FL#	USP CONNECTOR	FL#	FASTENERS	SIMPSON CONNECTOR	FL#	USP CONNECTOR	FL#	FASTENERS	SIMPSON CONNECTOR	FL#
A35	10446.1	MPA1	17244.23	12-0.131x1 1/2"	LSTA12	10456.7	LSTW12	17244.8	6-0.148x3" EA END	HTT5	11496.2
CS16	10852.2	RS150	17244.27	11-0.148x3" EACH END	MSTA24	10852.9	MSTA24	17244.18	9-0.148x3" EA END	LT120B	11496.3
H2.5A	10456.3	RT7	17236.11	5-0.131x 2 1/2" EA END	MTS12	10456.8	MTW12	17244.8	7-10x10 1/2" EA END	ABU44	10860.4
H8	10446.13	RT8	17236.11	5-0.131x 2 1/2" EA END						PAU66	10860.4
HTS16	10456.6	HTW16	17244.8	8-0.148x1 1/2" EA END						DTT22	10441.3
										DTB-TZ	17219.1
										8-1/2"x1 1/2" SDS	
										7/8"x8" TITEN HD	

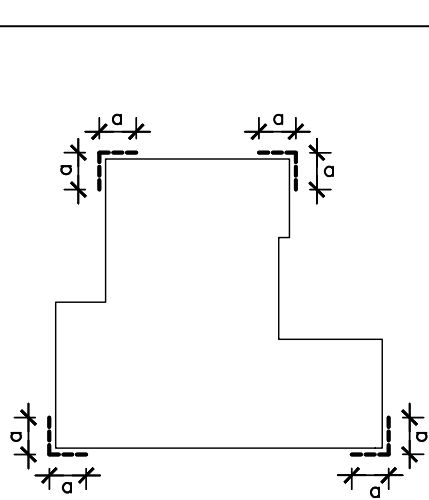


BUILDING CODE			
DESIGN CODE:	2020 FLORIDA BUILDING CODE – RESIDENTIAL ASCE 7–16		
FLOOR AND ROOF DESIGN CRITERIA			
FLOOR LOADING (Cd = 1.0)		ROOF LOADING (Cd = 1.25)	
TOP CHORD DEAD	10 PSF	TOP CHORD DEAD	7 PSF (SHINGLES)
TOP CHORD LIVE:		TOP CHORD LIVE	20 PSF
BALCONIES	60 PSF	BOTTOM CHORD DEAD	5 PSF
ALL OTHER AREAS	40 PSF	BOTTOM CHORD LIVE:	
		NO STORAGE	10 PSF
BOTTOM CHORD DEAD	5 PSF	LIMITED STORAGE	20 PSF
BOTTOM CHORD LIVE	0 PSF	STORAGE	30 PSF
LIVE LOAD DEFLECTION	L/360	LIVE LOAD DEFLECTION	L/240
TOTAL DEFLECTION	L/240 (0.75" MAX)	TOTAL DEFLECTION	L/180

WIND CRITERIA			
WIND SPEED Vult		130mph	
WIND SPEED Vnom		101mph	
EXPOSURE CATEGORY		C	
BUILDING ENCLOSURE CLASSIFICATION		ENCLOSED	
RISK CATEGORY		II	
BUILDING HEIGHT		< 30'	
ROOF PITCH		7:12	
WINDOW AND DOOR DP (C&C) PRESSURE			
EFFECTIVE WIND AREA		WIND ZONE DESIGNATION	
(SQUARE FT)		INTERIOR ZONE	END ZONE
0 - 10		+24.61 -26.70	+24.61 -32.95
11 - 50		+23.42 -25.51	+23.42 -30.58
51 - 100		+22.01 -24.09	+20.91 -27.74
GARAGE DOOR			
(1) CAR 8'x7'		+23.42 -25.51	+23.42 -30.58
(2) CAR 16'x7'		+22.01 -24.09	+20.91 -27.74

WIND LOADING NOTES:

- THE VALUES SHOWN ABOVE HAVE BEEN REDUCED PER ASD LOAD COMBINATION 0.6W. NO FURTHER REDUCTIONS SHALL BE PERMITTED.
- PLUS = PRESSURE AND MINUS = SUCTION COMPONENT AND CLADDING ELEMENTS SHALL BE DESIGNED FOR BOTH POSITIVE AND NEGATIVE PRESSURES SHOWN IN TABLE ABOVE.
- DESIGN OF WINDOWS AND DOOR FASTENING TO WALL FRAMING IS THE RESPONSIBILITY OF THE WINDOW/DOOR MANUFACTURER AND SHALL MEET BOTH POSITIVE AND NEGATIVE PRESSURES SHOWN IN TABLE ABOVE.
- SEE SCHEMATIC BELOW FOR END ZONE LOCATIONS



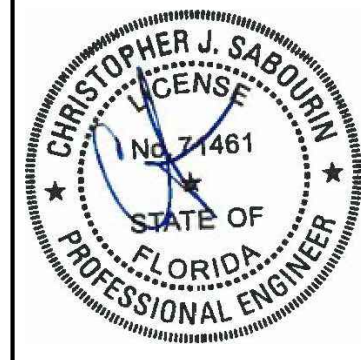
BUILDING FOOT PRINT SHOWING END ZONES

FLOOR SHEATHING SPECIFICATION		TYPICAL NAILING
23/32 TAG OSB OR PLYWOOD SHEATHING		TETRA GRIP .113x2 3/8" @ 6" EDGE AND FIELD
FLOOR SHEATHING NOTES:		
1. FLOOR SHEATHING SHALL BE INSTALLED WITH LONG DIMENSION PERPENDICULAR TO THE SUPPORTS		
2. PANEL EDGE BLOCKING IS NOT REQUIRED		
WALL SHEATHING SPECIFICATION		TYPICAL NAILING
MIN. 3/4" 24/16, APA RATED OSB OR PLYWOOD STRUCTURAL I SHEATHING		0.131"x2 3/8" @ 6" O.C. EDGE, 12" O.C. FIELD. 0.131"x2 3/8" @ 3" O.C. AT TOP AND BOT PLT
WALL SHEATHING NOTES:		
1. SHEATHING MAY BE INSTALLED FOR FLEXIBLE OR BRITTLE FINISHES.		
2. SHEATHING MUST EXTEND FULL HEIGHT FROM BOTTOM PLATE TO UPPER PLY OF DOUBLE TOP PLATE.		
3. SHEATHING MAY BE INSTALLED HORIZONTALLY OR VERTICALLY.		
4. PANEL EDGE BLOCKING IS REQUIRED AT PANEL JOINTS. THE BLOCKING SHALL BE FLATWISE 2x4 SPF#2 OR BETTER FASTENED EA END W/ (3) 10d TOE-NAILS.		
5. AT SHEARWALLS, EDGE NAILING IS DECREASED TO 3" O.C. SEE PLAN FOR LOCATIONS		

ROOF SHEATHING SCHEDULE			
ROOF SHEATHING SPECIFICATION			
SHINGLE	3/4" 24/16, APA RATED OSB OR PLYWOOD SHEATHING	0.113x2 3/8" RING SHANK, @ 6" O.C. EDGE AND FIELD. (4" O.C. WITHIN 4" OF ROOF EDGE)	
METAL	15/32" 32/16, APA RATED OSB OR PLYWOOD SHEATHING (SEE NOTE 1 BELOW)	0.113x2 3/8" RING SHANK, @ 6" O.C. EDGE AND FIELD. (4" O.C. WITHIN 4" OF ROOF EDGE)	
TILE	19/32" 32/16, APA RATED OSB OR PLYWOOD SHEATHING (SEE NOTE 1 BELOW)	0.113x2 3/8" RING SHANK, @ 6" O.C. EDGE AND FIELD. (4" O.C. WITHIN 4" OF ROOF EDGE)	
NOTE 1 - VERIFY WITH MANUFACTURER'S FLORIDA PRODUCT APPROVAL ##			

NAIL SIZE LEGEND					
NAIL	LENGTH	DIAMETER	NAIL	LENGTH	DIAMETER
8d COMMON	2 1/2"	0.131"	10d COMMON	3"	0.148"
8d RING SHANK	2 3/4"	0.113"	10d RING SHANK	3"	0.148"
10d 1 1/2"	1 1/2"	0.148"	12d COMMON	3 1/4"	0.148"
10d	3"	0.131"	16d COMMON	3 3/4"	0.162"

ABBREVIATIONS			
BM	BEAM	PSI	POUNDS PER SQUARE INCH
BOT	BOTTOM	PSL	PARALLEL STRAND LUMBER
CMU	CONCRETE MASONRY UNIT	PT	PRESSURE TREATED
DBL	DOUBLE	SF	SQUARE FOOT
EA	EACH	SPF	SPRUCE PINE FIR
EOR	ENGINEER OF RECORD	SYP	SOUTHERN YELLOW PINE
EQ	EQUAL	THRU	THROUGH
EXT	EXTERIOR	TR	THREADED ROD
FBC	FLORIDA BUILDING CODE	TYP	TYPICAL
FT	FOOT	UN	UNLESS OTHERWISE NOTED
FTG	FOOTING	VERT	VERTICAL
HORIZ	HORIZONTAL	O.C.	ON CENTER
LVL	LAMINATED VENEER LUMBER	OSB	ORIENTED STRAND BOARD
MONO	MONOLITHIC	PERP	PERPENDICULAR
		PSF	POUNDS PER SQUARE FOOT



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PLAN NAME
BZCE
SSE No.
21-0604

ISSUE DATE
PERMIT 11.11.21
REVISIONS DATE

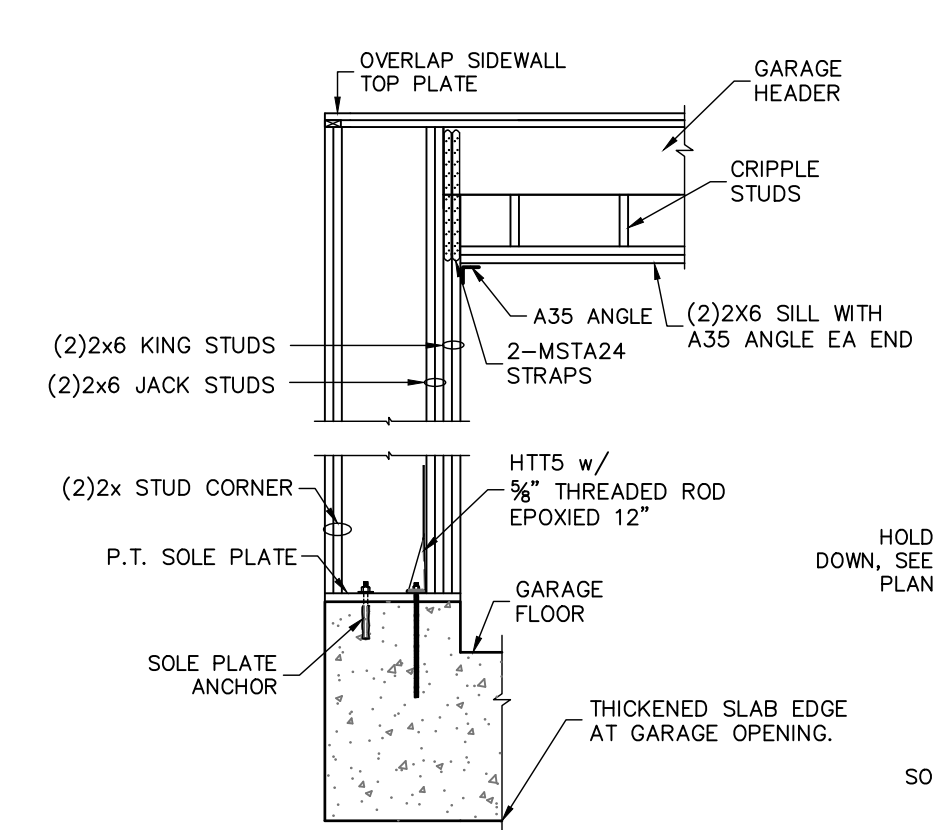
STRUCTURAL ENGINEERING FOR
THE ARATA RESIDENCE

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 USING APPROVED BY CHRISTOPHER 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

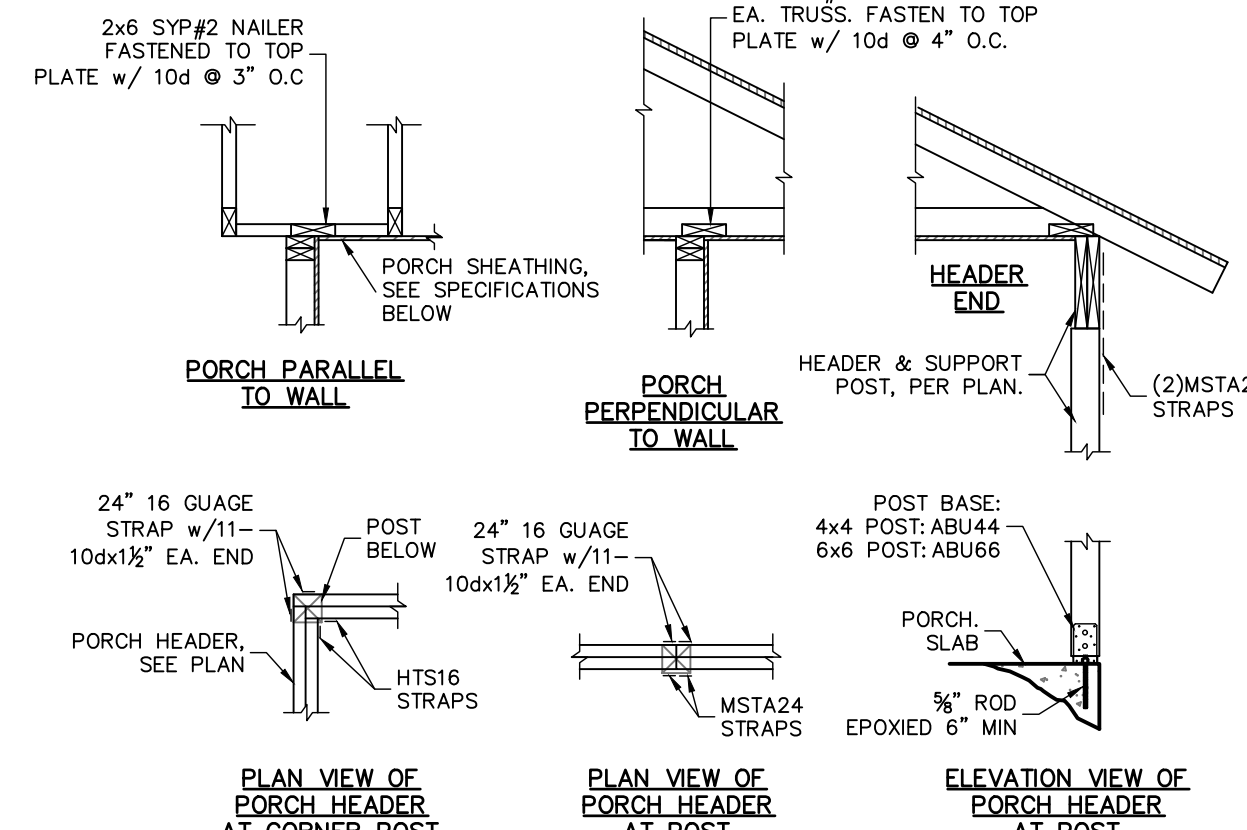
SHEET
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SHEET 1 OF 7



GARAGE WING WALL ELEVATION

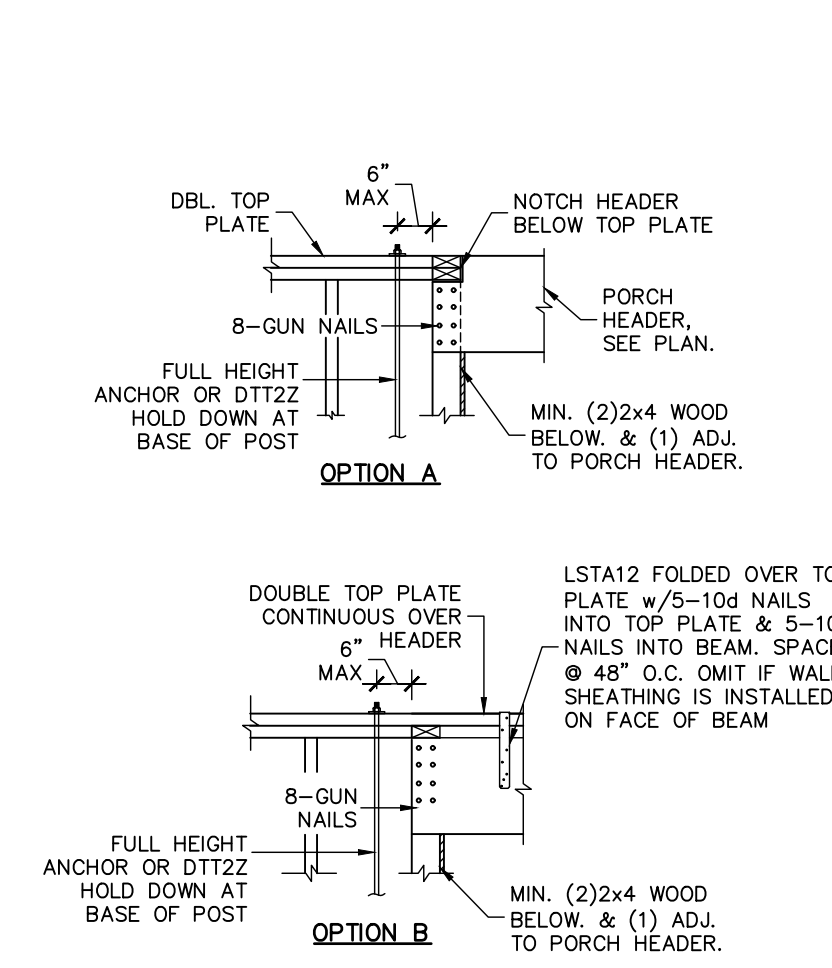
GARAGE WING WALL SECTION

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

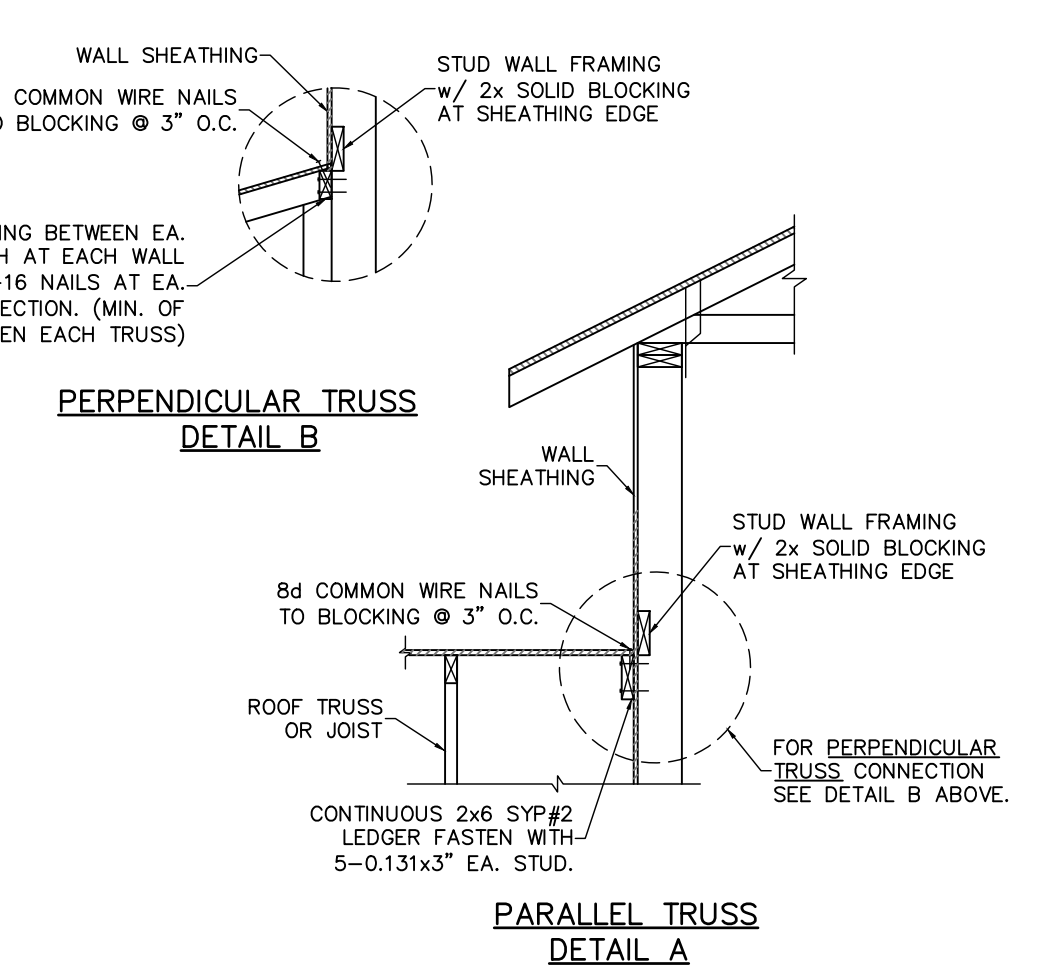


2 TYPICAL PORCH FRAMING DETAILS
SCALE: N.T.S.

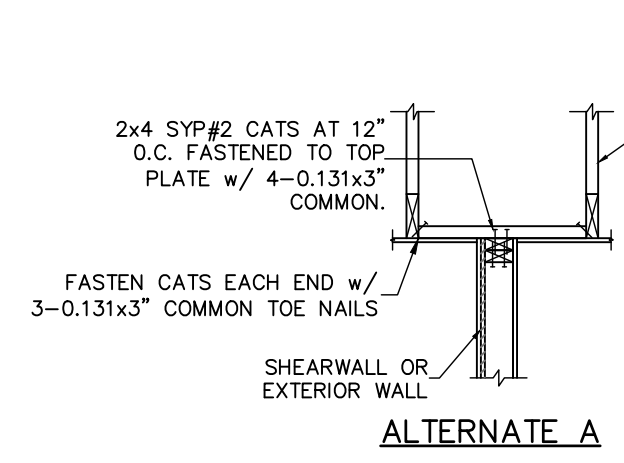
WHEN NOTED SO.1



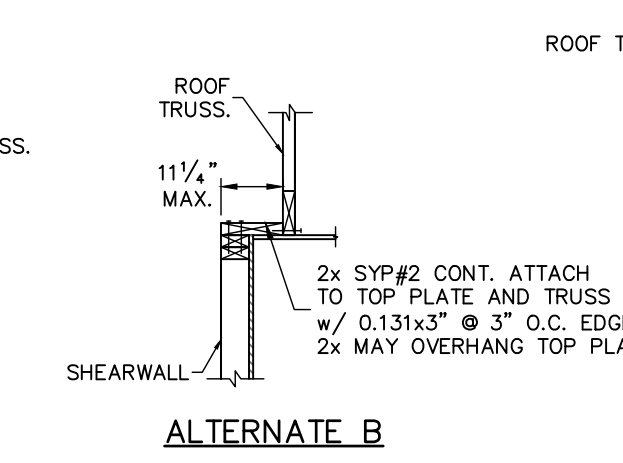
WHEN NOTED SO.1 TYPICAL PORCH BEAM CONNECTION
SCALE: N.T.S.



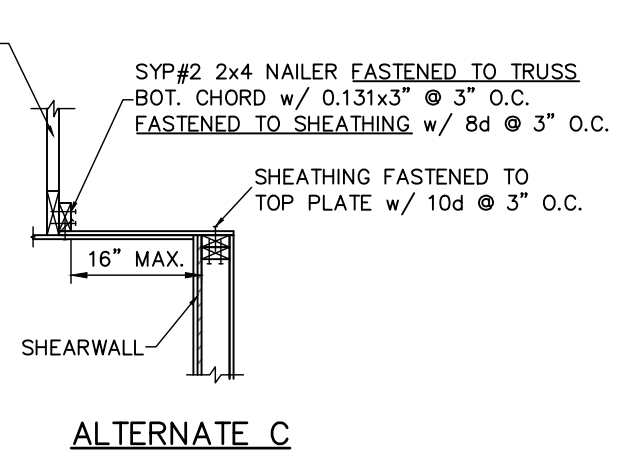
WHEN NOTED SO.1 WALL ADJ. TO ROOF CONNECTION
SEE CONSTRUCTION SPECIFICATIONS FOR ROOF AND WALL SHEATHING AND STUD FRAMING.



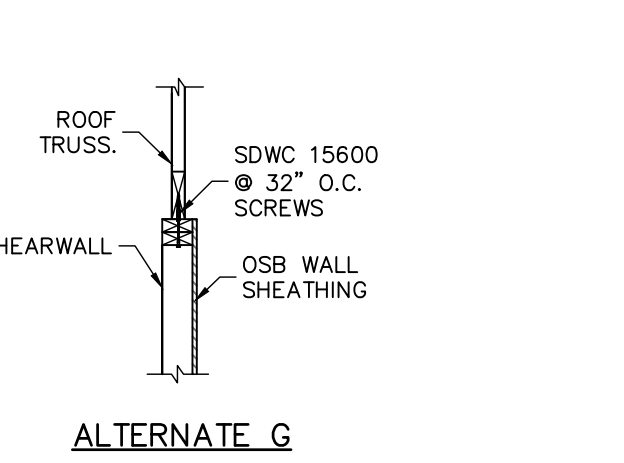
ALTERNATE A



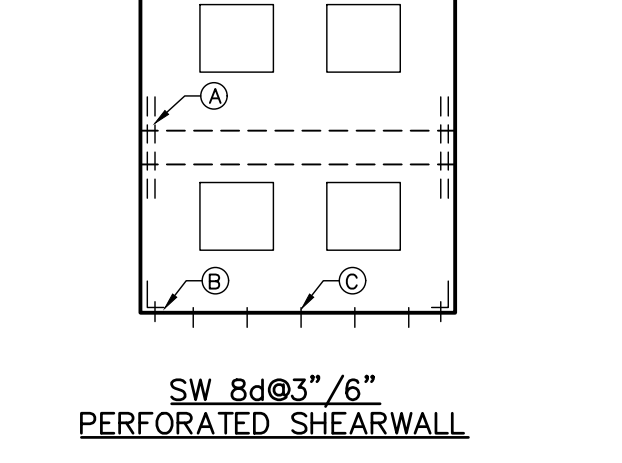
ALTERNATE B



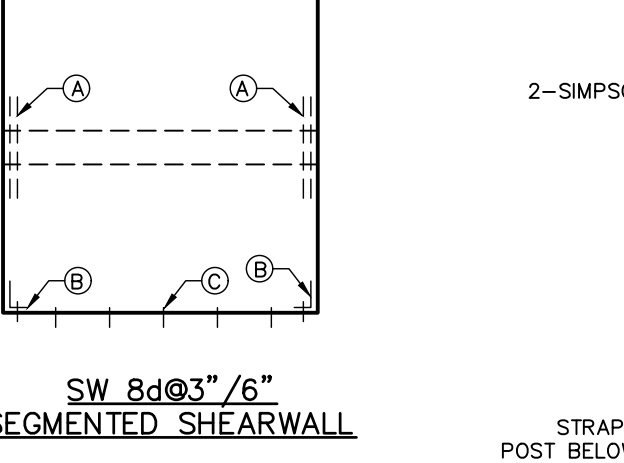
ALTERNATE C



ALTERNATE D

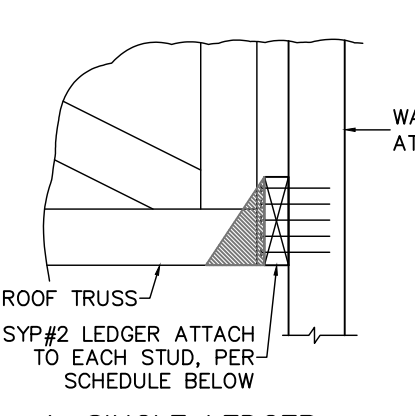


ALTERNATE E

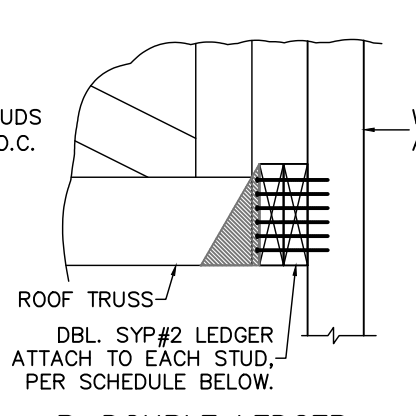


ALTERNATE F

WHEN NOTED SO.1 SHEARWALL ATTACHMENT AT ROOF & FLOOR



A-SINGLE LEDGER

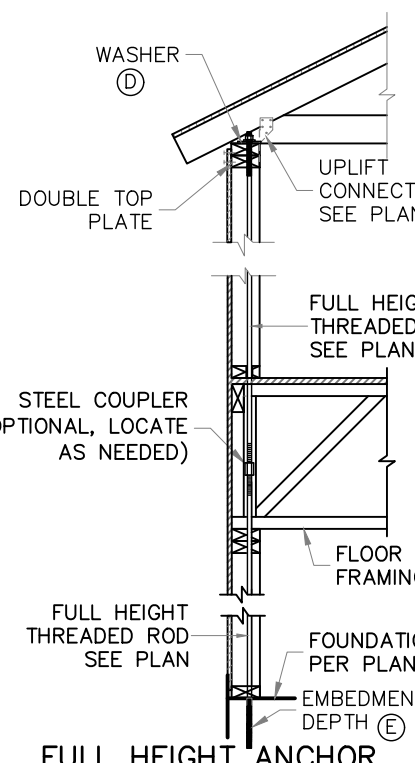


B-DOUBLE LEDGER

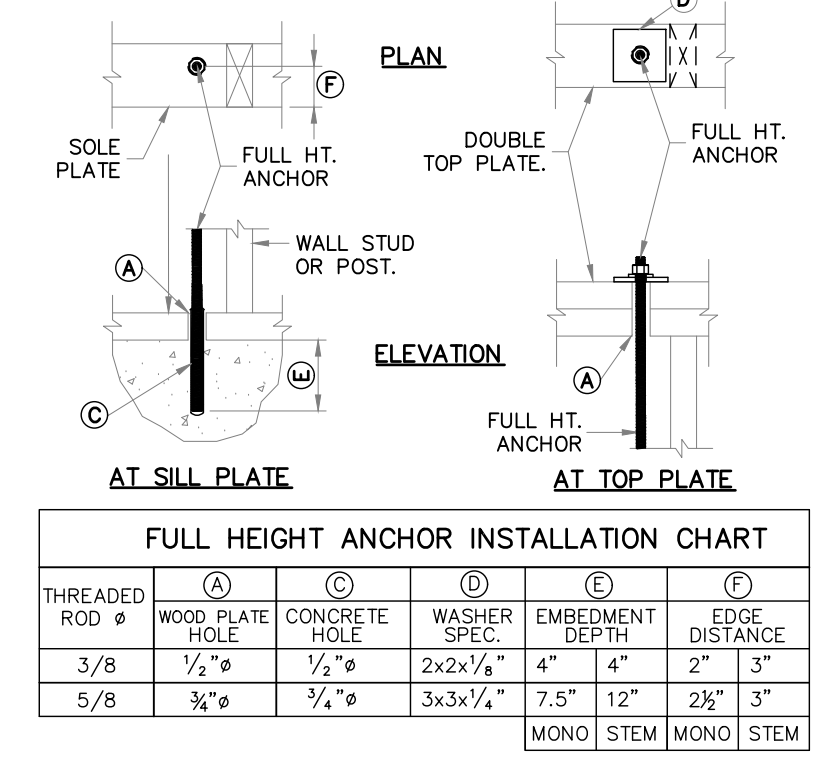
LEDGER A NOTES: WHERE A LEDGER IS INDICATED ON PLAN AND NO TRUSSES BEAR AT THAT LOCATION, THE LEDGER IS BEING USED TO ATTACH THE ADJACENT ROOF DECK. USE A 2x6 LEDGER PER NAILING SCHEDULE ABOVE. ATTACH ROOF DECK PER GENERAL NOTES.

LEDGER B 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.

WHEN NOTED SO.1 LEDGER CONNECTION
TRUSS TO LEDGER CONNECTION BY TRUSS ENGINEER. NOT SHOWN FOR CLARITY

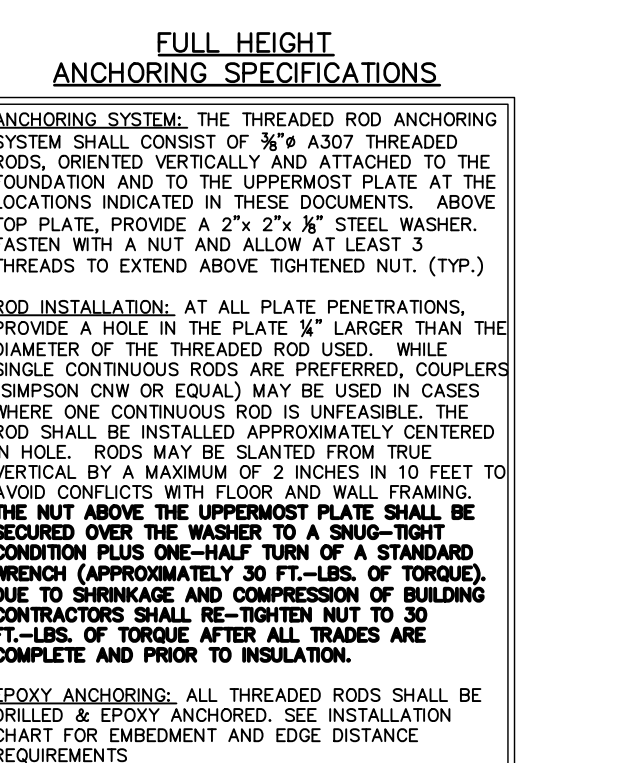


FULL HEIGHT ANCHOR WALL SECTION



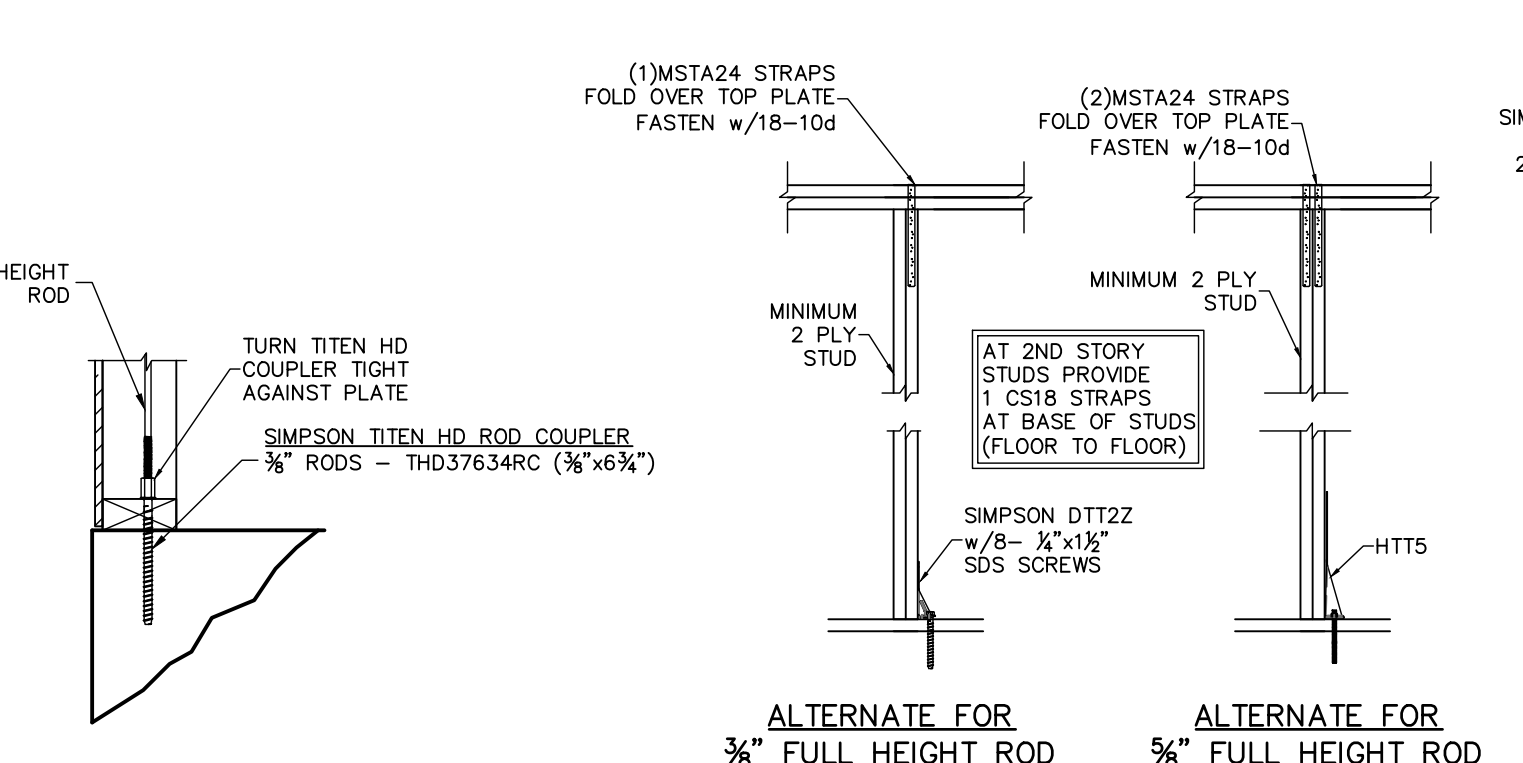
THREADED ROD INSTALLATION CHART

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



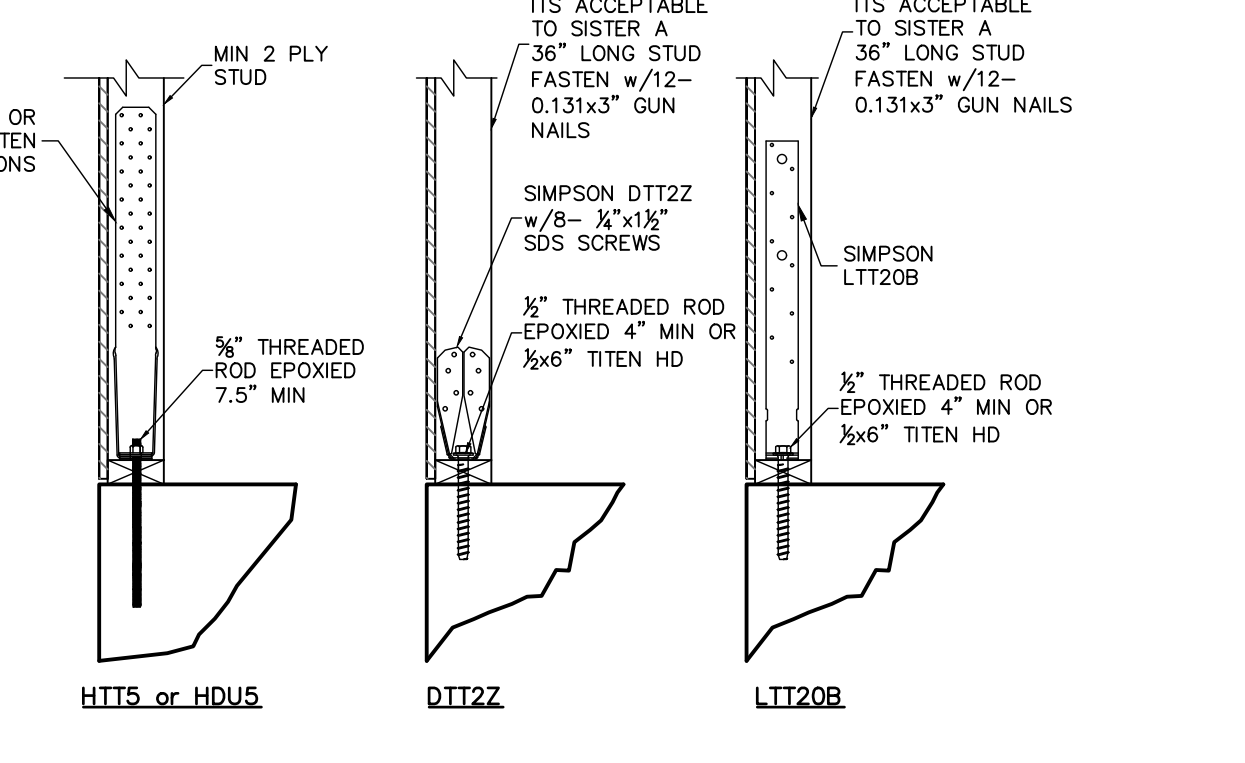
FULL HEIGHT ANCHORING SPECIFICATIONS

WHEN NOTED SO.1 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

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



HTTS or HDUS

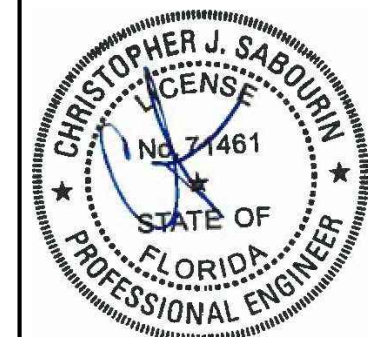
WHEN NOTED SO.1 HOLD DOWN ATTACHMENT DETAIL



HTTS or HDUS

SYMBOLS LEGEND

----	DESIGNATES FOOTING LINE
----	DESIGNATES SAWCUT LINE
////	INTERIOR LOAD BEARING WALL
////	DESIGNATES SLAB RECESS



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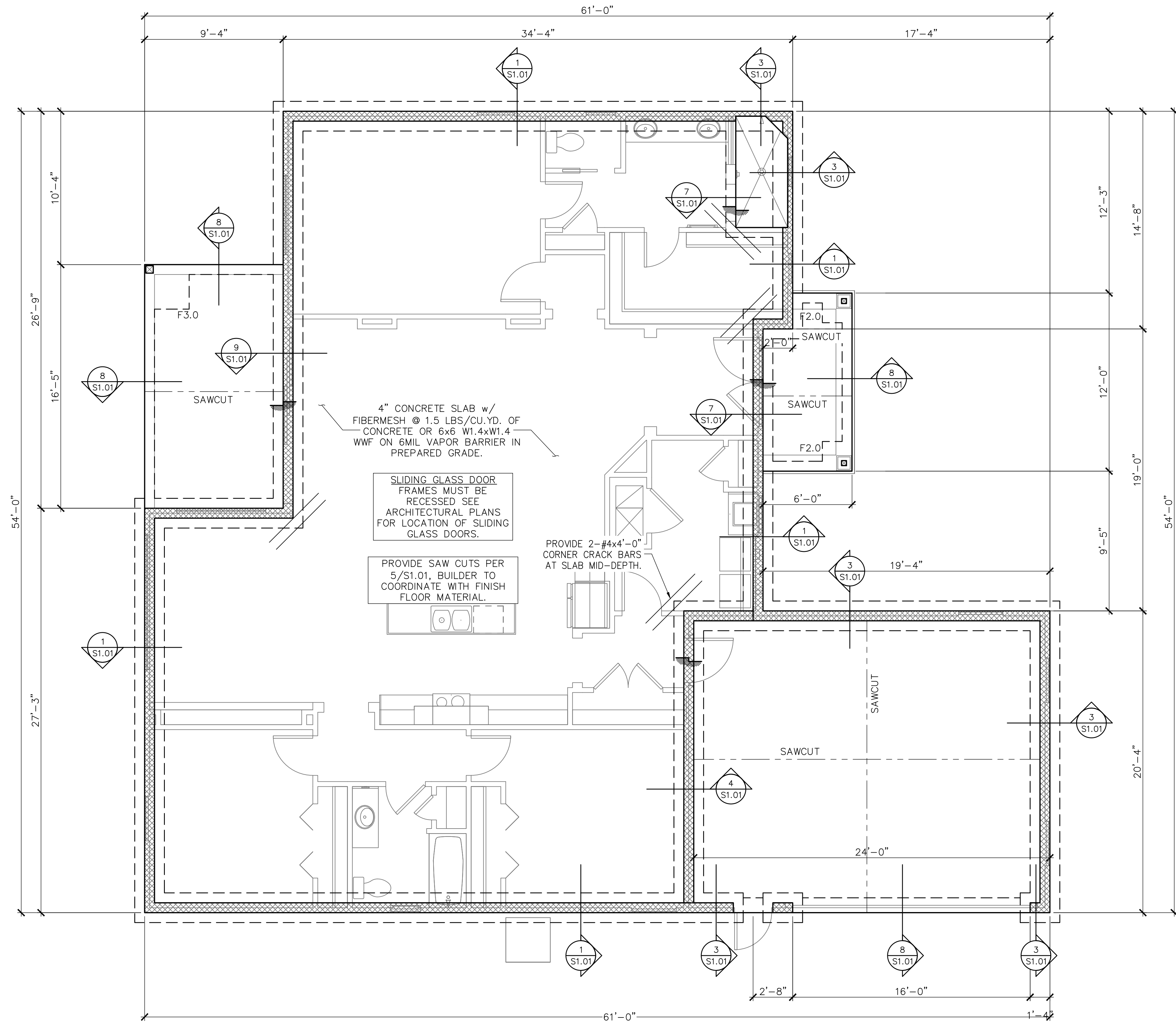
STRUCTURAL ENGINEERING FOR
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FIELD ALTERATION
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SCALING
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FOUNDATION
PLAN

SHEET
S1.0
SHEET 3 OF 7



FOUNDATION PLAN

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

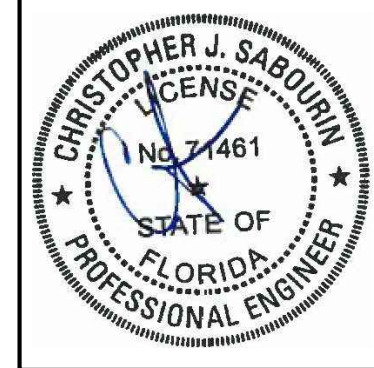
FOOTING SCHEDULE AND NOTES

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, CONDUITS, ELECTRICAL EMBEDS, STEP HEIGHTS, ECT., SEE ARCH. PLAN. ARCHITECTURAL PLAN SHOWN HERE IN FOR REFERENCE ONLY.

2. FTGS. & FND. SHALL BE IN ACCORDANCE w/ LOCAL BUILDING CODES.

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



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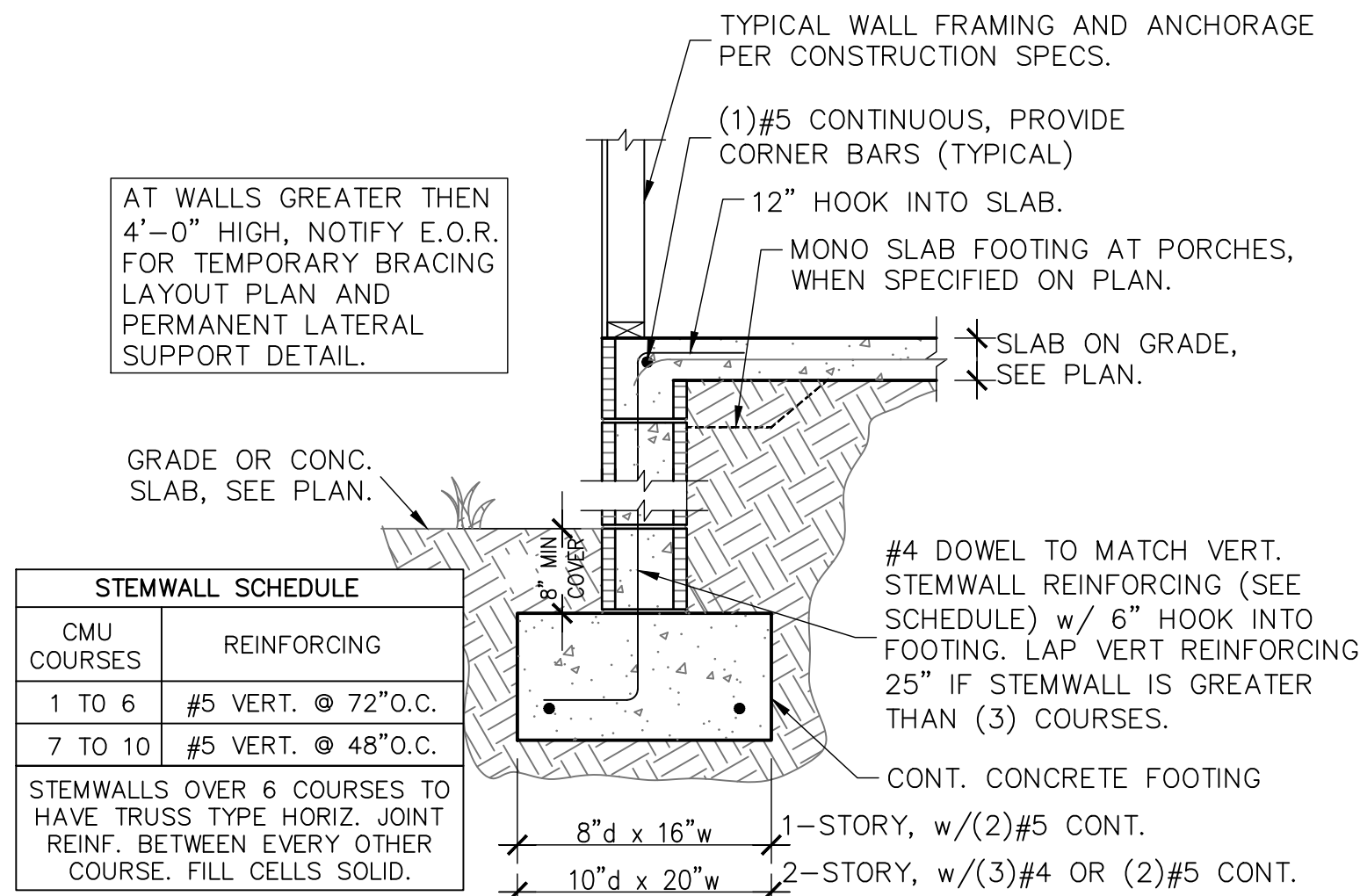
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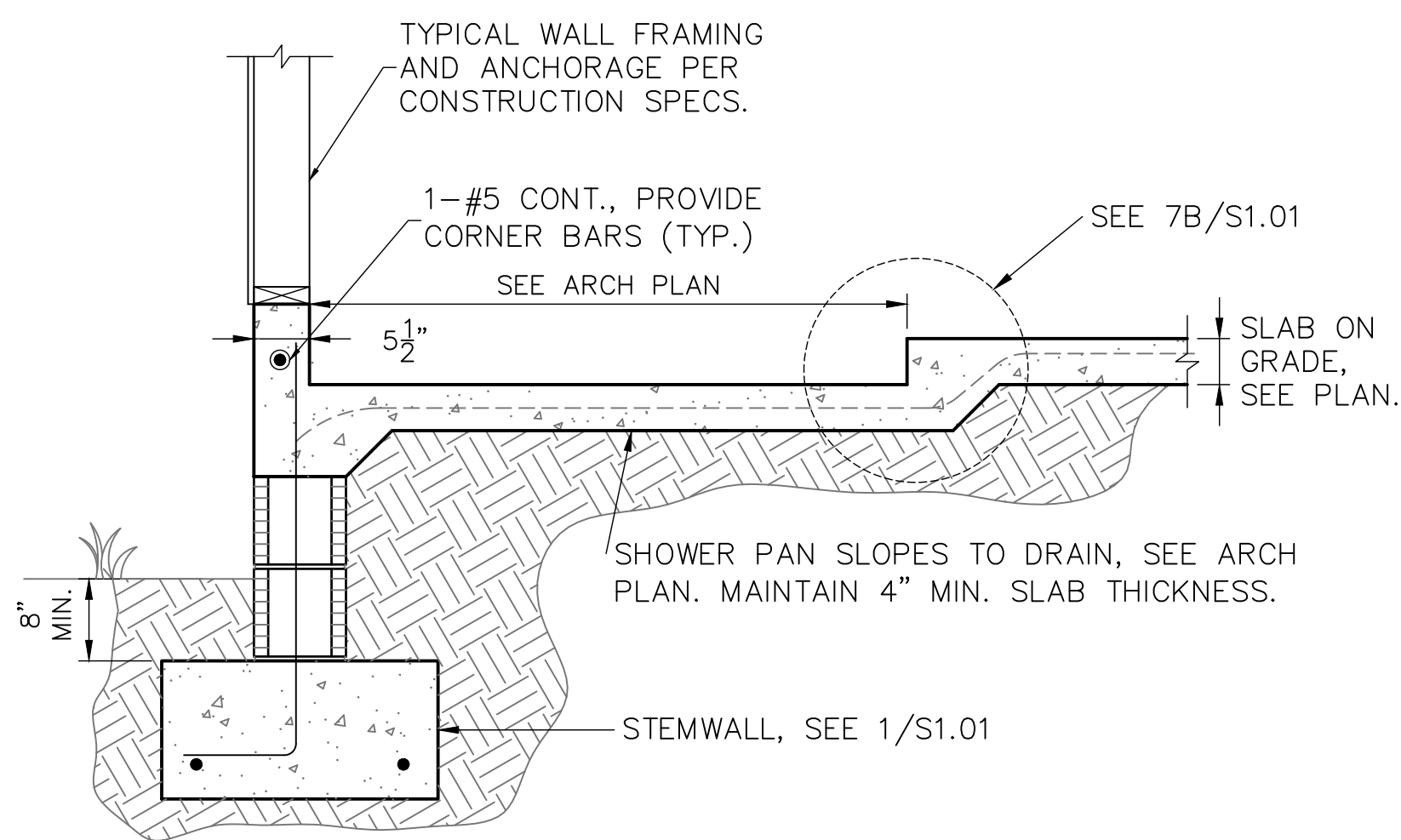
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FOUNDATION
DETAILS

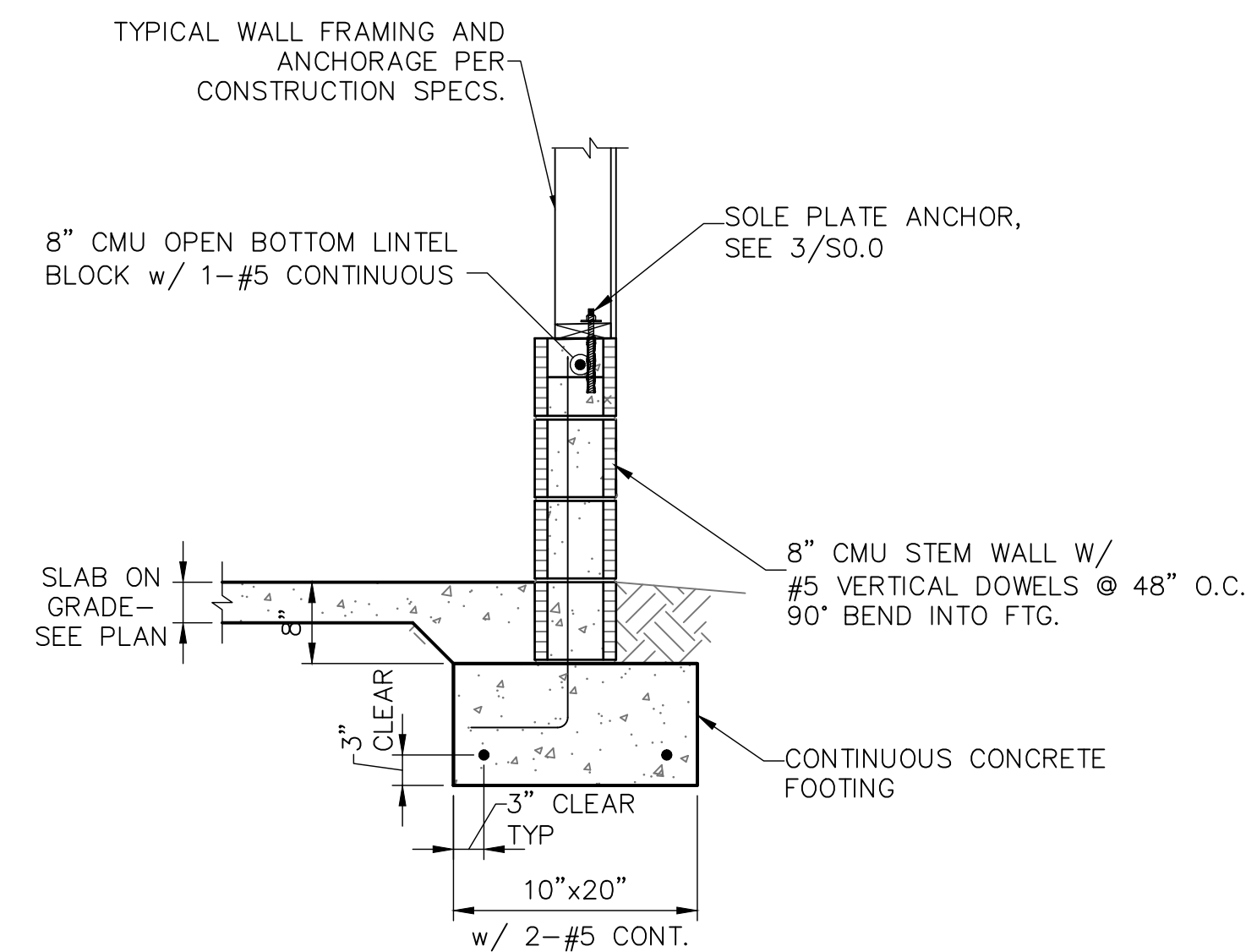
SHEET
S1.01
SHEET 4 OF 7



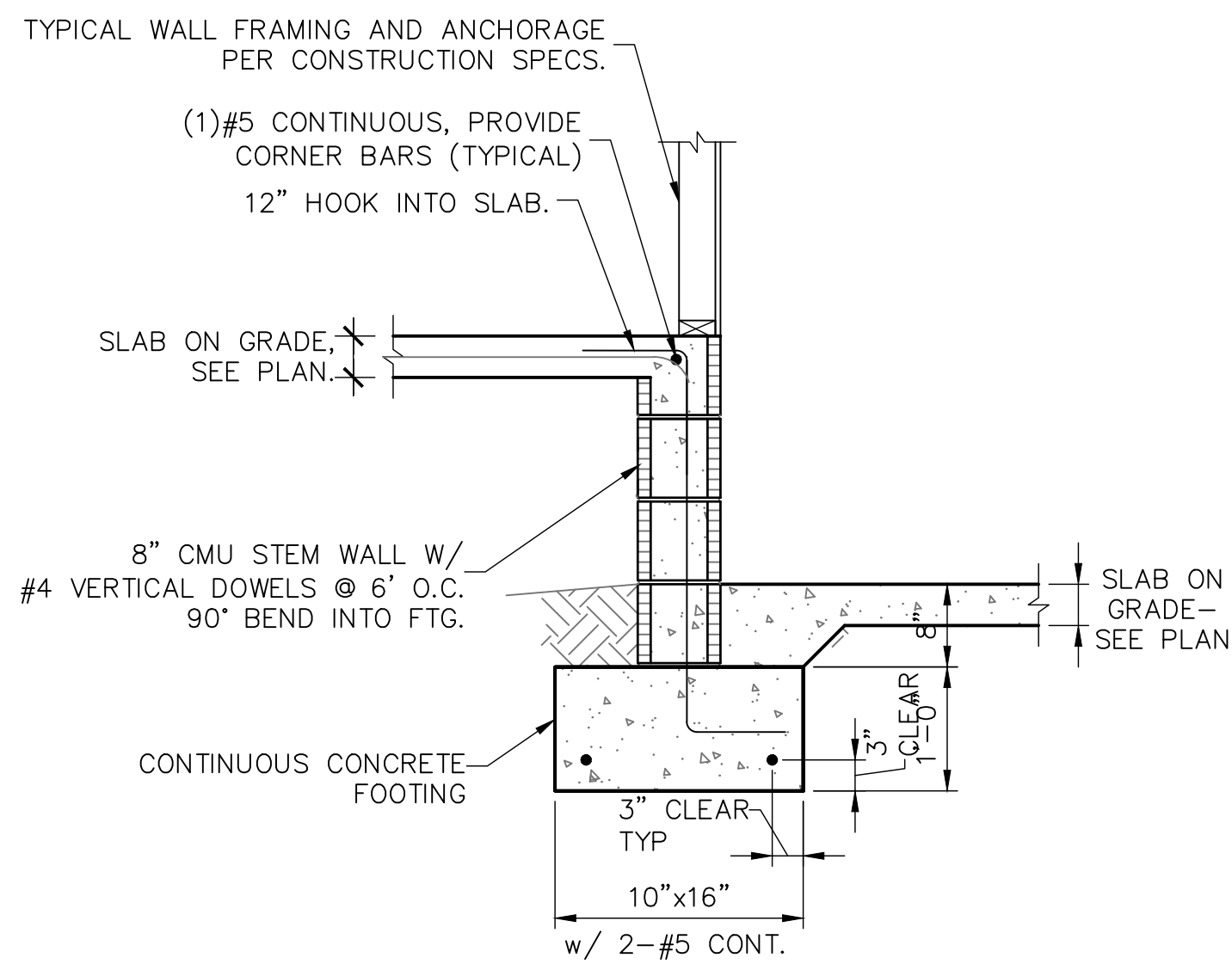
1 STEMWALL FOOTING
S1.01 SCALE: 3/4" = 1'-0"



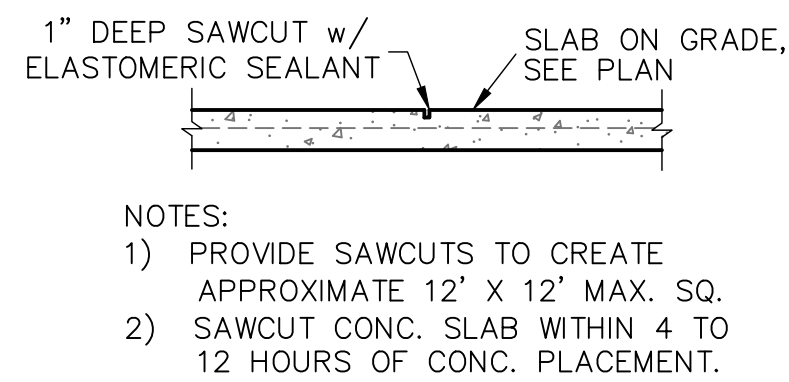
2 FOOTING W/ SHOWER RECESS
S1.01 SCALE: 3/4" = 1'-0"



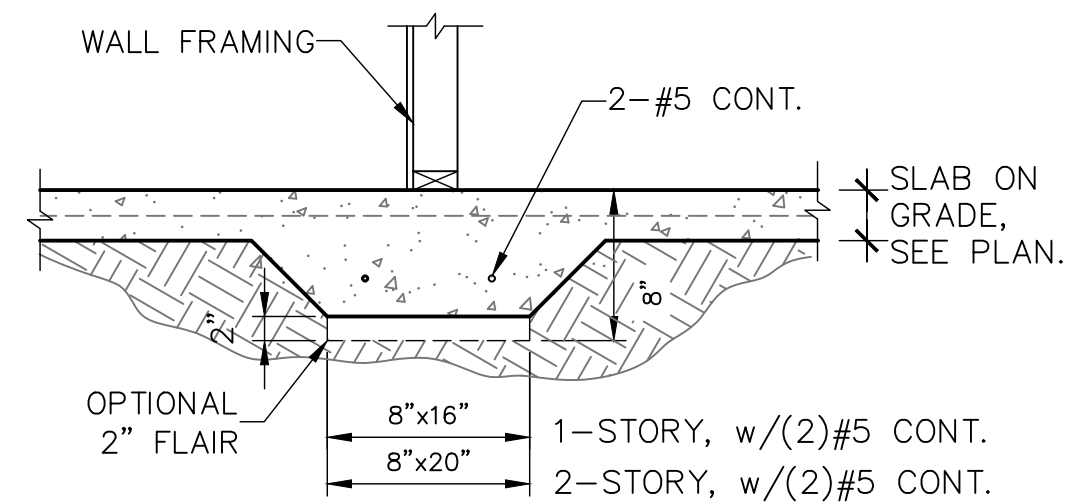
3 GARAGE STEM WALL
S1.01 SCALE: 3/4" = 1'-0"



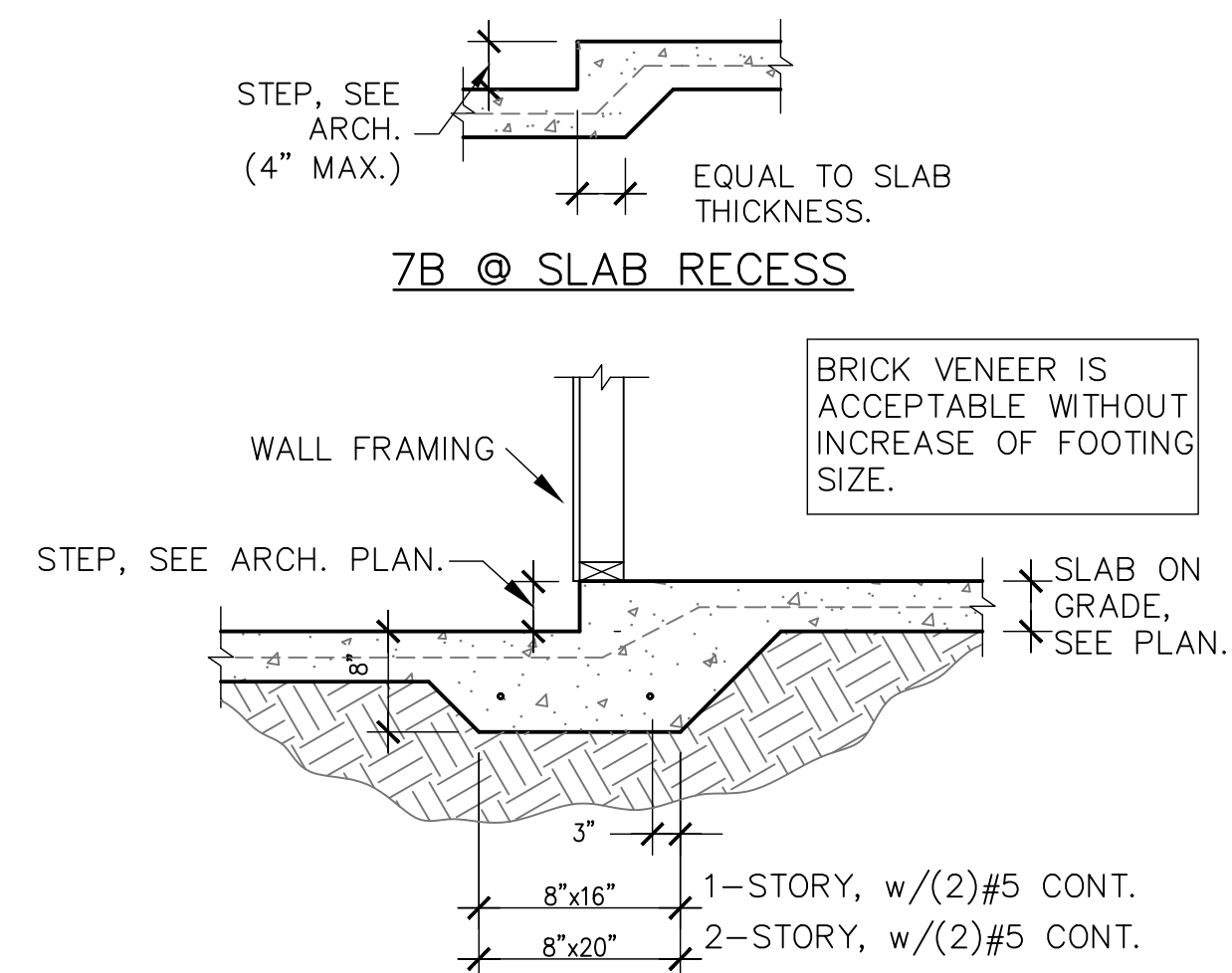
4 STEMWALL AT GARAGE
S1.01 SCALE: 3/4" = 1'-0"



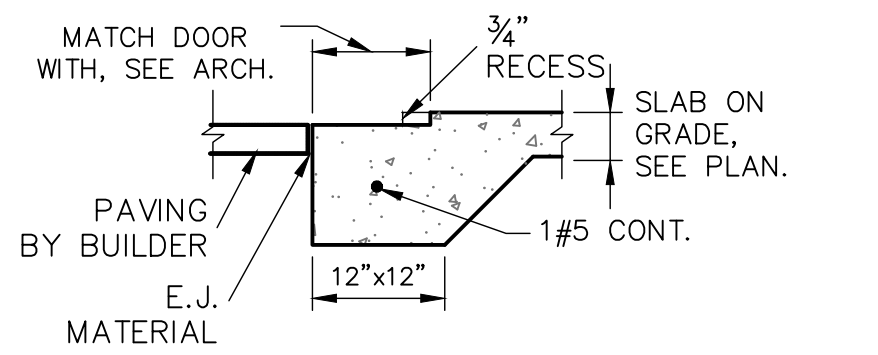
5 SAW CUT DETAIL
S1.01 SCALE: 3/4" = 1'-0"



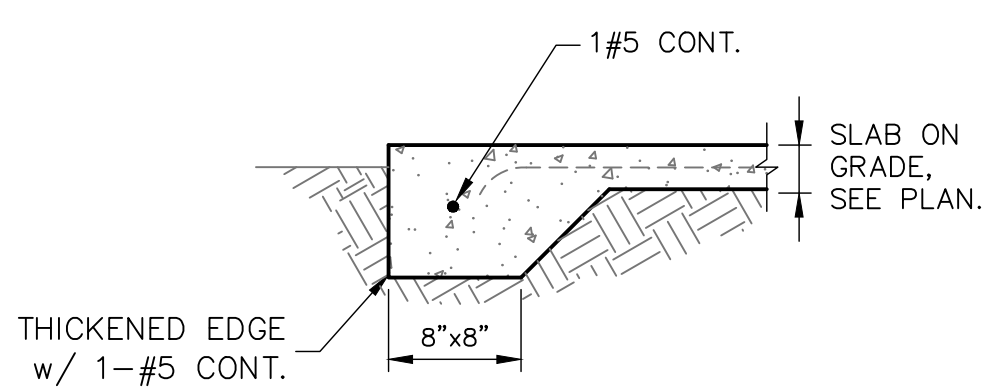
6 BEARING AT INTERIOR
S1.01 SCALE: 3/4" = 1'-0"



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

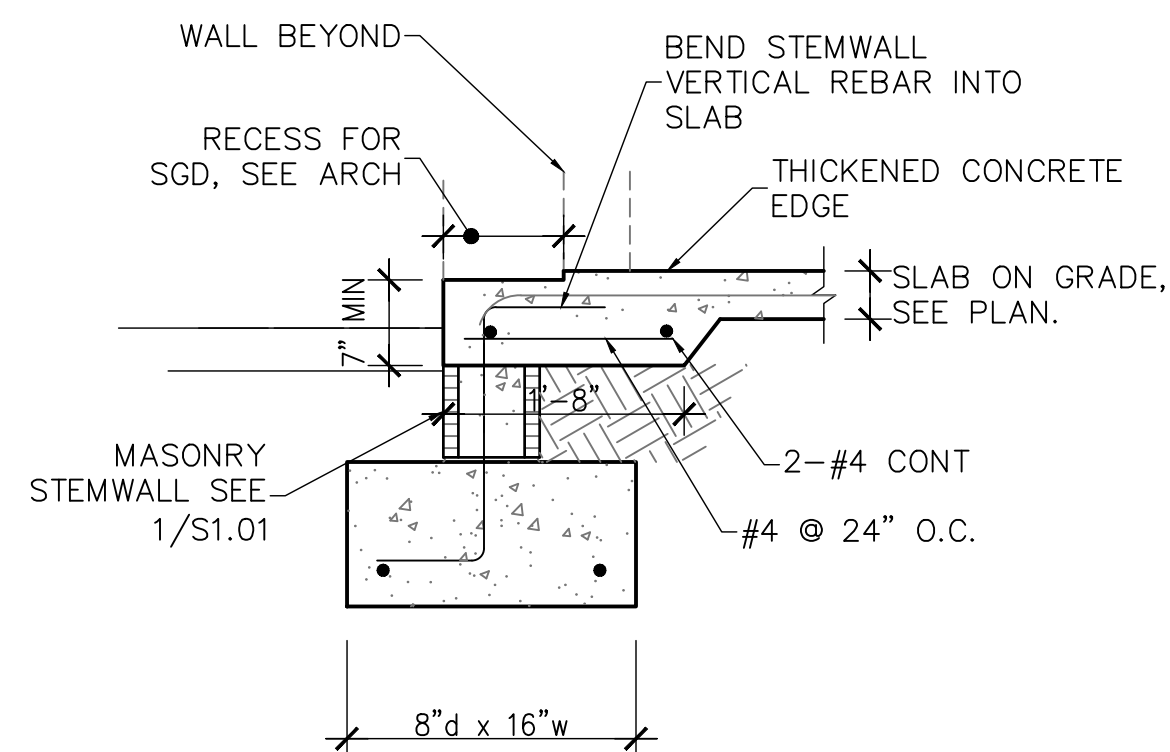


AT GARAGES

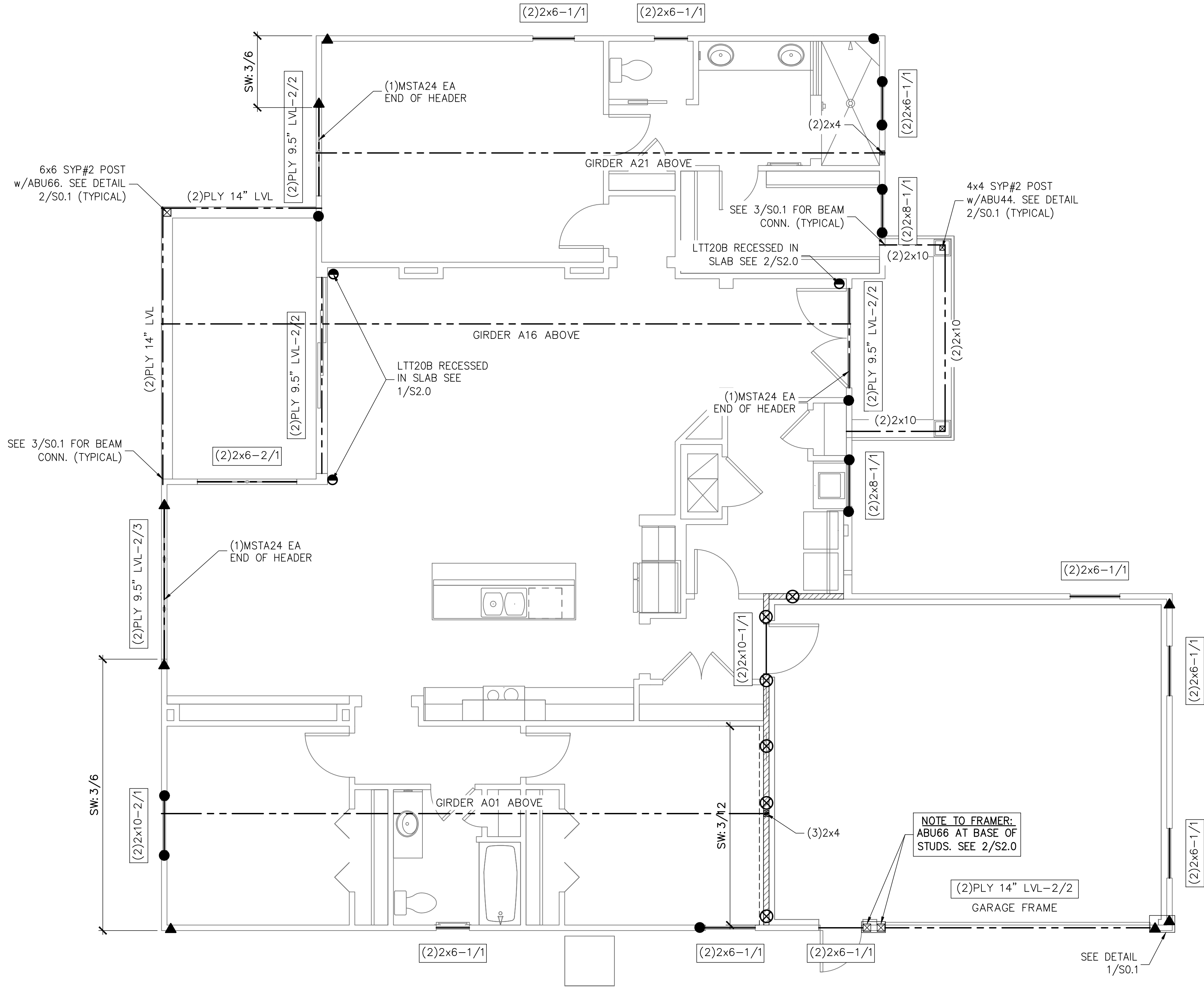


AT PORCHES

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



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



FIRST LEVEL WALL FRAMING PLAN

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

SYMBOLS LEGEND

	DESIGNATES OSB SHEARWALL. THE HIDDEN LINE DESIGNATES SIDE OF WALL. THE SHEARWALL SHEATHING TO BE APPLIED. 8d @ 3\"/>
	DESIGNATES THE HEADER SIZE, NUMBER OF PLY'S & JACK/KING STUDS NEEDED FOR SUPPORT HEADER.
	BEAM OR TRUSS, SEE PLAN

ANCHOR LEGEND

	3/8\"/>
	3/8\"/>
	3/8\"/>
	3/8\"/>
	SIMPSON HTTS SEE DETAIL 15/SO.1
	SIMPSON DTT22 SEE DETAIL 15/SO.1
	SIMPSON LTT20B SEE DETAIL 15/SO.1

WALL STUD SCHEDULE

LOCATION	PLATE HEIGHT	STUD SIZE & SPACING
EXTERIOR	9'-1\"/>	2x4 SPF#2 @ 16\"/>
EXTERIOR	10'-1\"/>	2x6 SPF#2 @ 16\"/>
EXTERIOR	10'-1\"/>	2x4 SPF#2 @ 12\"/>
EXTERIOR	10'-1\"/>	2x6 SPF#2 @ 16\"/>
INTERIOR	10'-0\"/>	2x4 SPF#2 @ 16\"/>
INTERIOR	12'-0\"/>	2x6 SPF#2 @ 16\"/>

- 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\"/>

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.

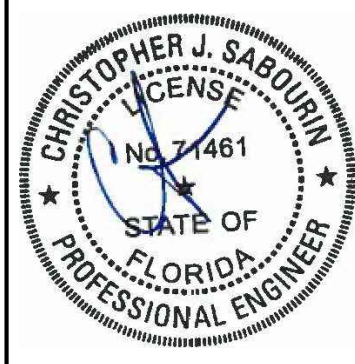
GENERAL NOTES

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\"/>
SHEARWALLS (SW 8d@3\"/>	24\"/>
SOLE PLT @ #	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\"/>



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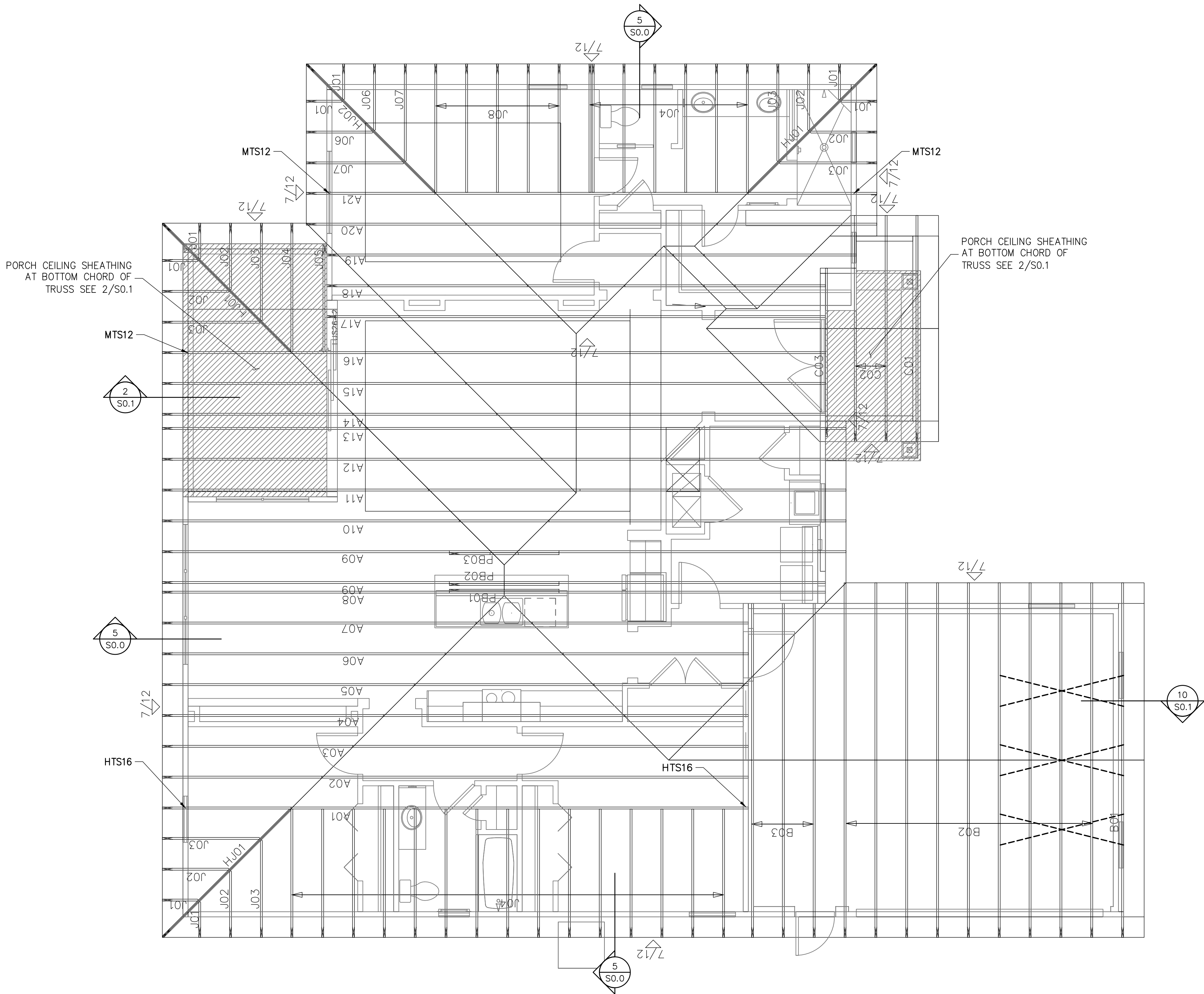
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STRUCTURAL ENGINEERING FOR
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FIELD ALTERATION
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SCALING
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FIRST FLOOR
FRAMING
PLAN



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

SYMBOLS LEGEND

HTS16

DESIGNATES UPLIFT CONNECTION.

FRAMING PLAN NOTES:

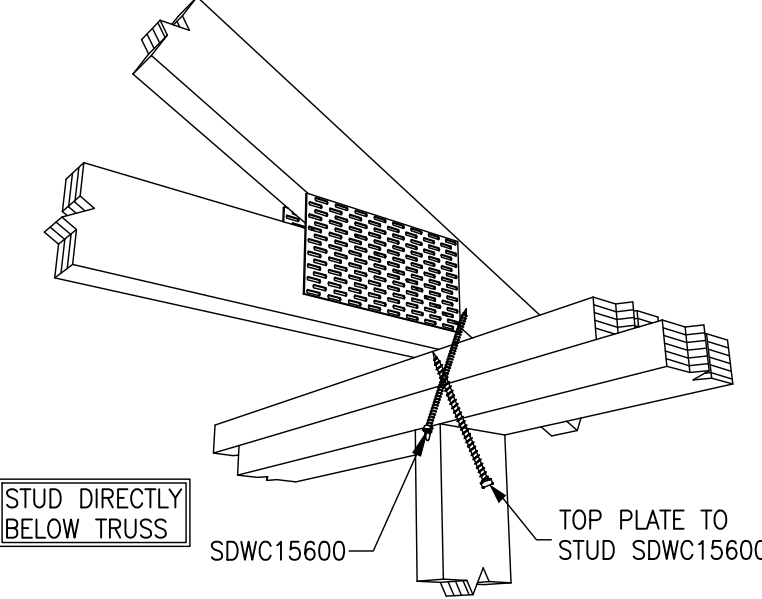
1. FOR TYPICAL ROOF SHEATHING AND FRAMING, SEE SHEET S0.0.

2. FOR SPECIFIC UPLIFT CONNECTORS, SEE PLAN, MIN. (1)SDWC CONNECTOR.

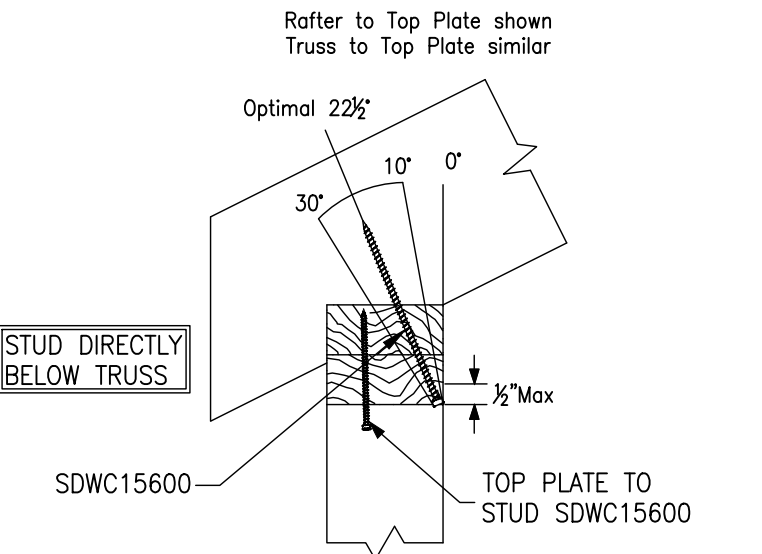
3. FOR GENERAL DESIGN SPECIFICATIONS SEE SHEET S0.0.

4. WHEN USING (2)1/2-5T CLIPS ON 1/2" WIDE LUMBER, PLACE CLIPS DIAGONALLY ACROSS DOUBLE TOP PLATE FROM EACH OTHER.

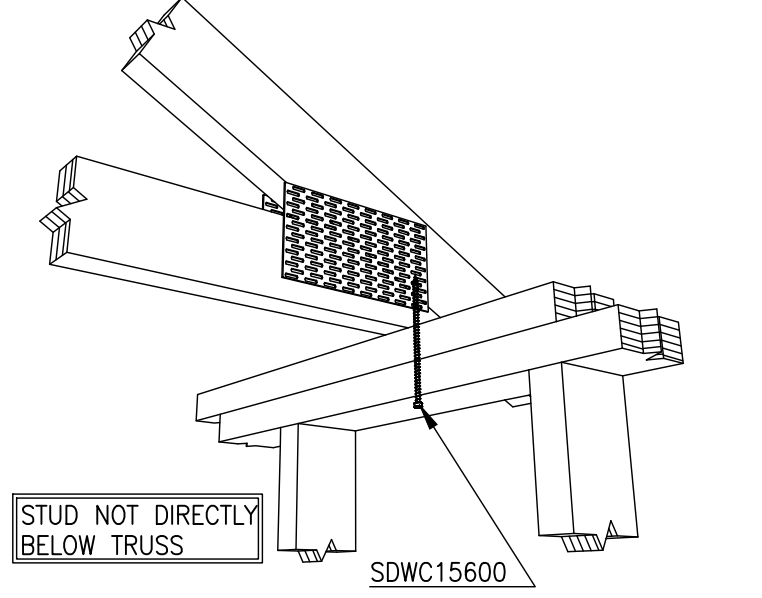
TRUSS FASTENING DETAILS



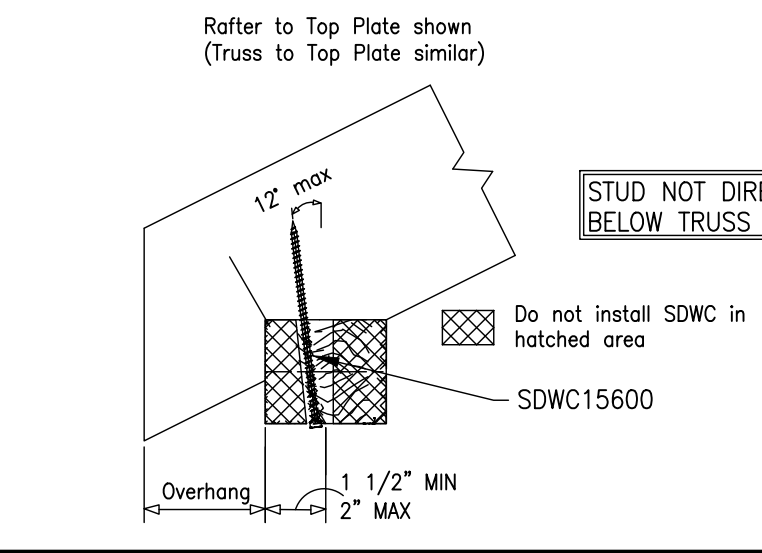
TRUSS TIE DOWN WITH SIMPSON SDWC



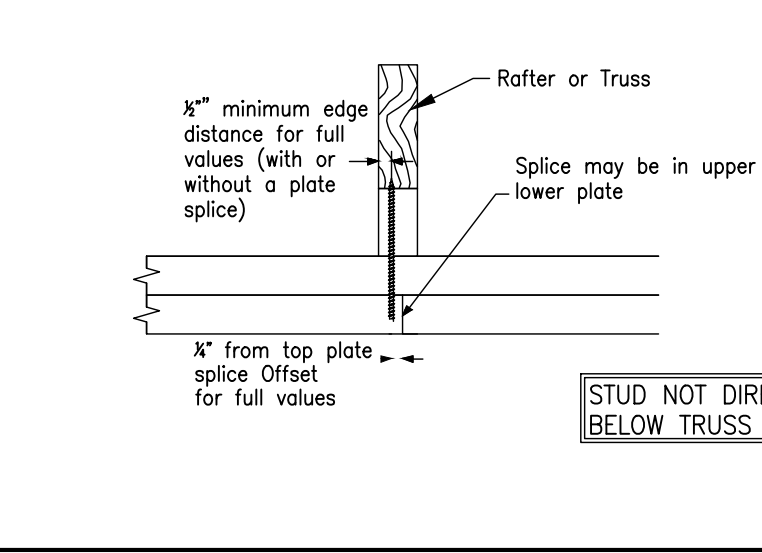
SIMPSON SDWC INSTALLATION RANGE



SDWC INSTALLATION



SDWC INSTALLATION RANGE



SDWC AT TOP PLATE SPLICE



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ROOF TRUSS PLACEMENT PLAN

SHEET

S1.2

SHEET 6 OF 7

CHRISTOPHER J. SABOURIN

LICENSE

11.11.21

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SCALING

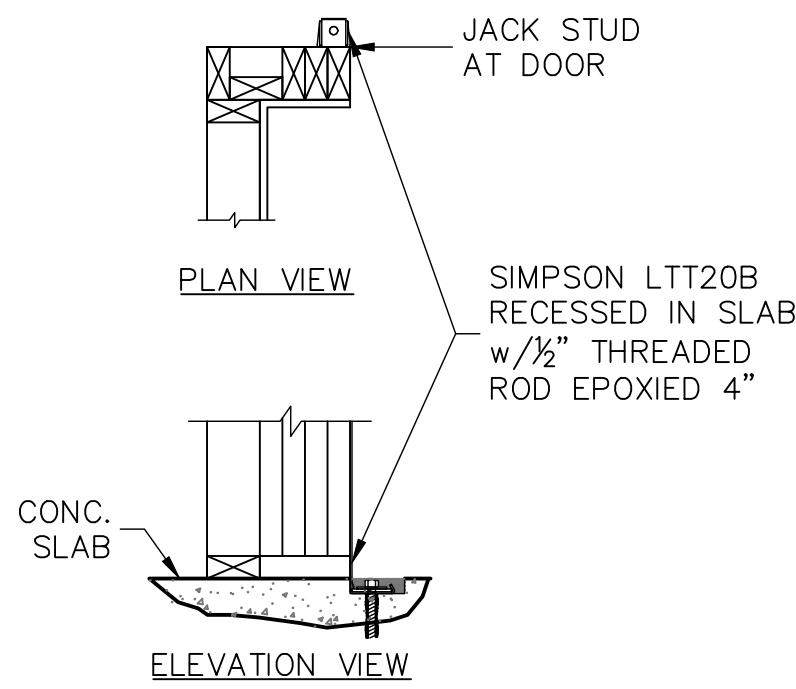
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ROOF TRUSS PLACEMENT PLAN

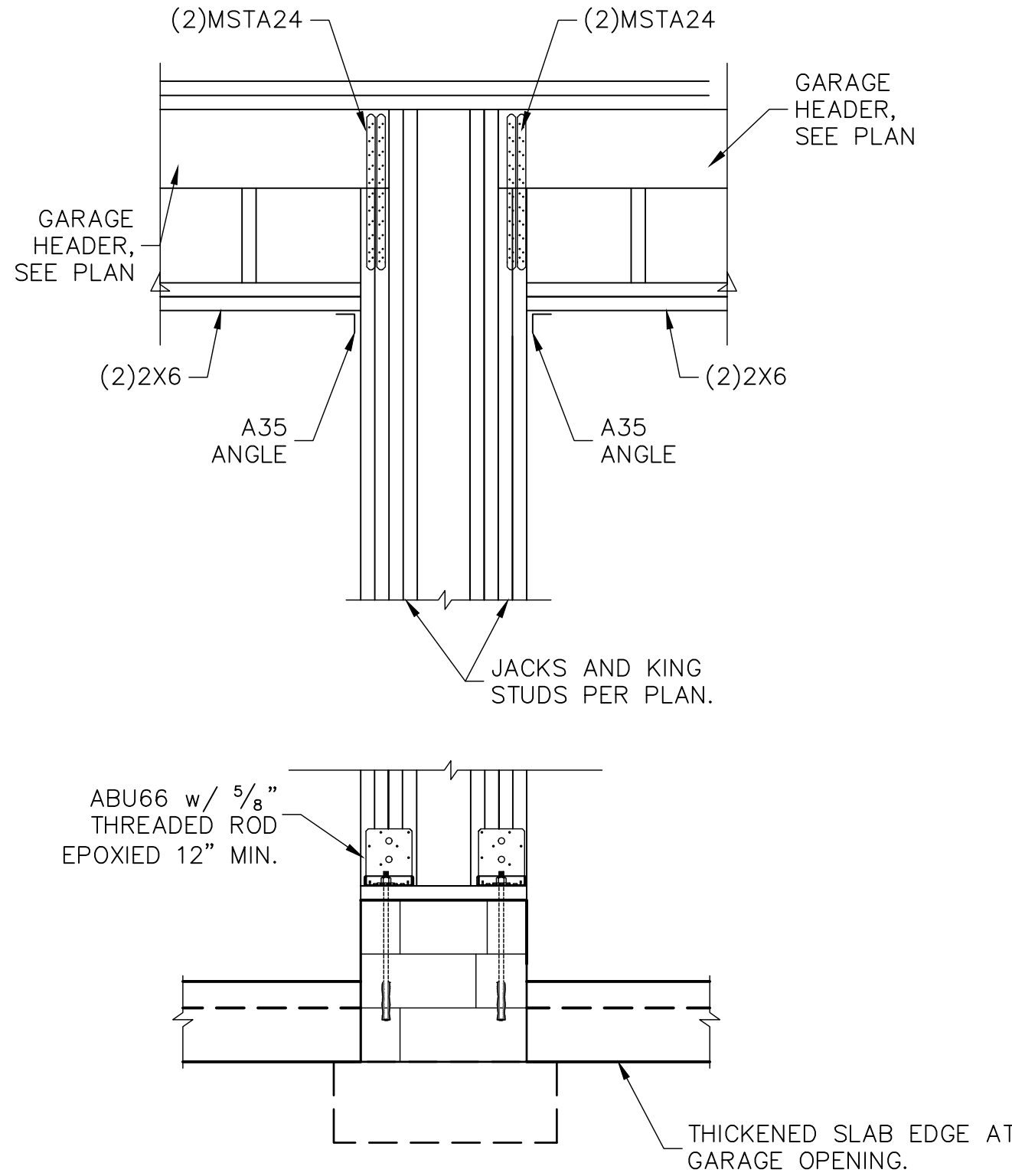
SHEET

S1.2

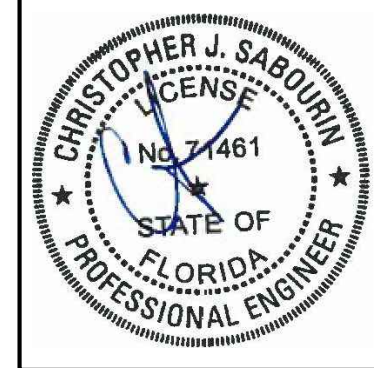
SHEET 6 OF 7



1 DOOR JAMB FASTENING
THIS DETAIL ONLY APPLIES WHEN NOTED ON PLAN



2 GARAGE CENTER WALL FRAMING
SCALE: 3/4" = 1'-0"



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MISC
DETAILS

SHEET
S2.0
SHEET 7 OF 7