

DESIGN SPECIFICATIONS	
DESIGN CODE: 2020 FLORIDA BUILDING CODE – RESIDENTIAL DESIGN IS VOID ONE YEAR AFTER THE DATE OF THE ORIGINAL PLANS, UNLESS PLANS HAVE BEEN REVIEWED FOR CODE COMPLIANCE. DESIGN LOADS: ACTUAL AND UNIFORM	FLOOR (See Table 12.2) TOP CHORD LIVE LOAD 20 psf TOP CHORD DEAD LOAD 7 psf (ARCH SHINGLES) TOP CHORD DEAD LOAD 20 psf (TILE SHINGLES) BOTTOM CHORD LIVE LOAD 10 psf BOTTOM CHORD DEAD LOAD 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 REDUCED, SPECIFICALLY, ATTIC FLOOR LIVE LOADS COMBINED WITH ROOF LIVE LOADS SHALL BE MULTIPLIED BY 0.75 WHEN COMBINED w/ DEAD LOAD.	ROOF (See Table 12.2) TOP CHORD LIVE LOAD 20 psf TOP CHORD DEAD LOAD 7 psf (ARCH SHINGLES) TOP CHORD DEAD LOAD 20 psf (TILE SHINGLES) BOTTOM CHORD LIVE LOAD 10 psf BOTTOM CHORD DEAD LOAD 5 psf
BASIC WIND SPEED (ASCE 7-16) 130 mph IMPORTANCE FACTOR 1.00 MEAN ROOF HEIGHT 20.0 FT ROOF PITCH 8/12 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.
REINFORCING STEEL: SHALL BE ASTM A615, GRADE 60.
STRUCTURAL STEEL: SHALL BE ASTM A992, GRADE 50.
WELDED WIRE FABRIC (WWF): SHALL BE ASTM A185.
LAMINATED VENEER LUMBER (LVL): ALL LAMINATED VENEER LUMBER SHALL MEET OR EXCEED THE FOLLOWING DESIGN PROPERTIES – ELASTIC MODULUS (E) 1,900ksi, BENDING STRESS (Fb) 2600psi.

EPOXY: 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.
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COMPONENTS & CLADDING ALLOWABLE DESIGN PRESSURES	
TRIBUTARY AREA (sf)	INTERIOR ZONE (PSF)
10	+24.61 –26.70
50	+23.42 –25.51
100	+22.01 –24.09

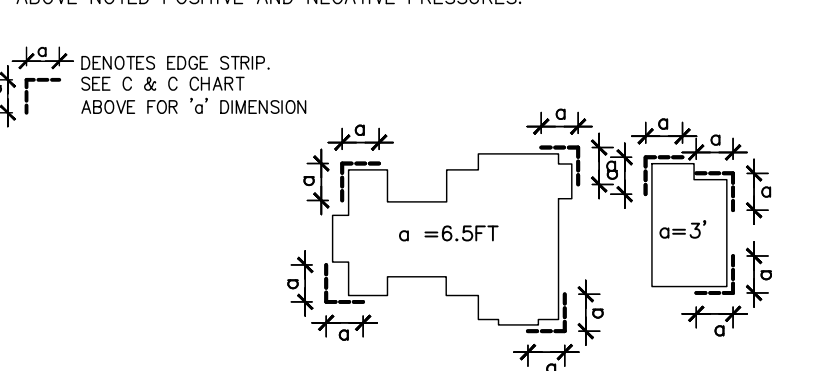
THE VALUES ABOVE ARE ALLOWABLE WIND PRESSURE VALUES (ASD). THE ABOVE WIND PRESSURES HAVE BEEN REDUCED BY 0.60 AS PERMITTED BY THE ALLOWABLE STRESS DESIGN METHODOLOGY. NO FURTHER REDUCTION SHALL BE PERMITTED.

COMPONENT & CLADDING WALL ELEMENTS SHALL BE DESIGNED FOR BOTH POSITIVE AND NEGATIVE PRESSURES SHOWN IN TABLE ABOVE.

LINER 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.

USP CONNECTORS	
CONNECTOR	UPLIFT
USP A35	450
USP RT7	585
USP RT8A	775
USP MTW12	1195
USP HTW20	1450
USP MSTA24	1640
USP MSTA36	2065
USP LTA300B	1105
USP JU528	1305
USP HTT16	4290
USP HTT22	5370
USP PAU44	2535
USP PAU66	2535
USP MSTA24	1545

SIMPSON CONNECTORS	
CONNECTOR	UPLIFT
A35	450
H2.5T	600
HTS16	1150
MTS12	1000
HTS20	1450
MSTA24	1765
MSTA36	2050
HTT4	3480
HTT5	5250
LHS28	930
HU410	905
ABU44	2200
ABU66	2300
SET	N/A
LT720B	1675
LSTA12	805
CS16	1705

FASTENERS	
12-8x1 1/2"	10446.4
5-8d EA. END	11478.3
16-10d EA. END	10456.6
7-10d x 1 1/2" EA. END	10456.3
24-10d x 1 1/2" EA. END	13872.3
9-10d EA. END	13872.4
13-10d EA. END	13872.8
18-16d TO TRUSS/BEAM	11496.2
1-3/4" ROD TO FTG.	11496.2
32-16d TO TRUSS/BEAM	11496.2
1-3/4" ROD TO FTG.	10655.113
6-10d TO HEADER	10655.113
4-10d TO JOIST	10655.113
14-16d TO HEADER	10531.36
6-16d TO JOIST	10531.36
3/4" ROD EPOKID 6" MIN	10849.6
3/4" ROD EPOKID 6" MIN	10849.6
SIMPSON EPOXY-TIE	11506.4
10-16d TO STUD/BEAM/POST	11496.3
1-1/2" ROD TO FTG.	11496.3
10-10d	13872.5
13-8d	10852.1

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 530.1-05. 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 3/4" 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 STEEWALL 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. CONTRACTOR 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 AT 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 A ROD OR NAIL-DOT BORATE PRESERVATIVE TREATMENT IS USED, ALL ATTACHED FASTENERS SHALL BE HOT DIPPED GALVANIZED. IF AZECA 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.

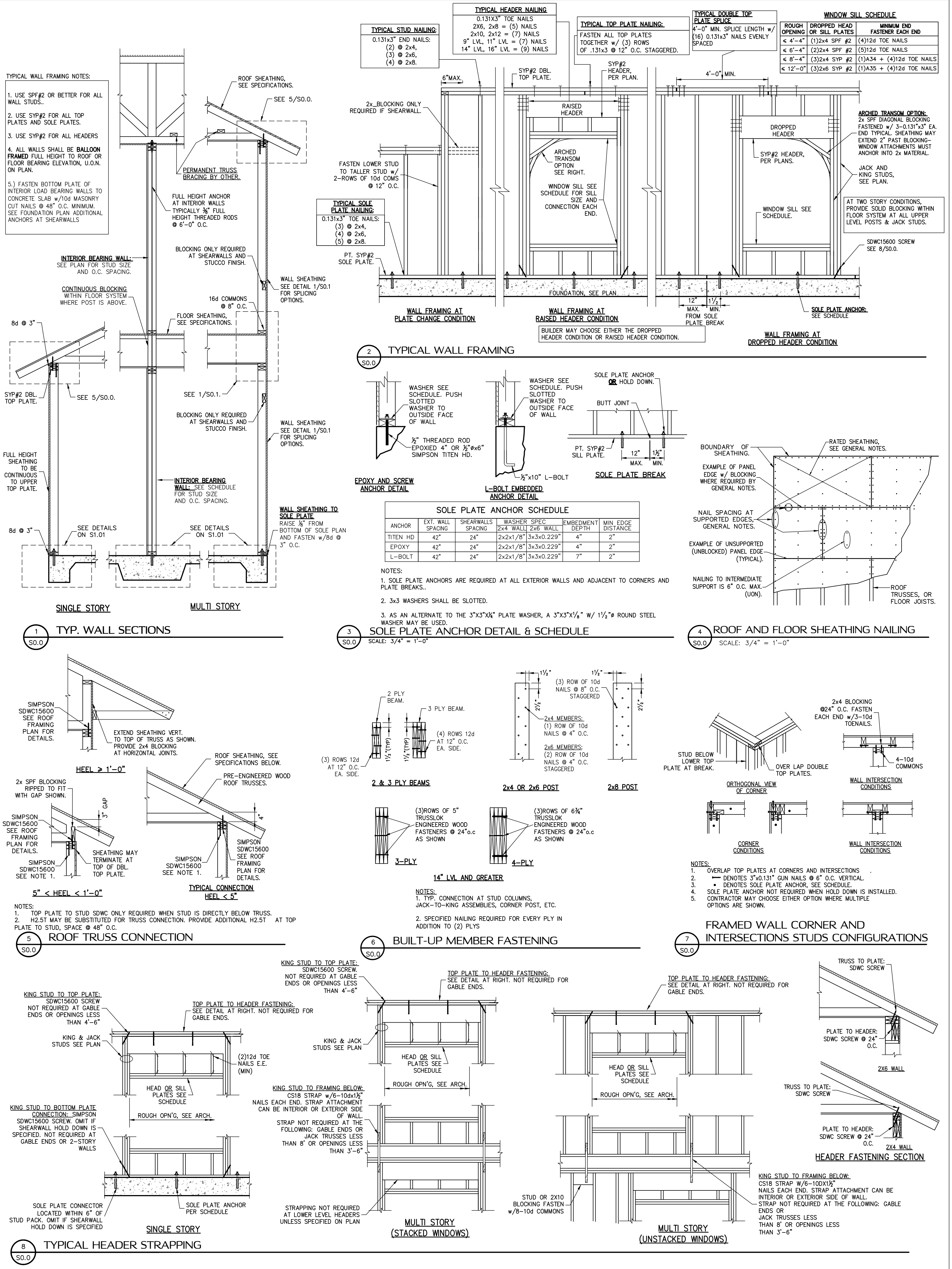
ROOF COVERING SPECIFICATIONS:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF THE ROOF COVERING SYSTEM. ASPHALT SHINGLES SHALL COMPLY WITH ASTM D3161 AND BE INSTALLED ACCORDING TO THE MANUFACTURER'S REQUIREMENTS. CLAY AND TILE ROOFS SHALL BE INSTALLED PER THE "CONCRETE AND CLAY 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
TOP PLATE TO TOP PLATE	FACE NAIL
TOP PLATE, LAPS/INTERSECTION	FACE NAIL
DBL. TOP PLATE TO STUD	FACE NAIL
RIM JOIST TO TOP PLATE	TOE NAIL
CEILING JOIST TO TOP PLATE	TOE NAIL
CEILING JOIST, OVER PARTITIONS	FACE NAIL
CEILING JOIST TO ROOF RAFTER	FACE NAIL
JOIST/TRUSS TO PLATE	TOE NAIL
RAFTER TO PLATE	TOE NAIL
JACK RAFTER TO HIP	TOE NAIL
ROOF RAFTER TO 2x... RIDGE BM.	TOE NAIL
CONT. HEADER, TWO PIECES	FACE NAIL
CONT. HEADER TO STUD	TOE NAIL
STUD TO SOLE PLATE	TOE NAIL
SOLE PLATE TO JOIST/BLOCKING	FACE NAIL

BRICK NOTES / LINTEL SCHD	
LINTEL DIMENSION	MIN. BRG.
1.3 1/2 x 3 1/2 x 1/4	4"
1.4 x 3 1/2 x 1/4	6"
1.5 x 3 1/2 x 1/4	6"
1.6 x 3 1/2 x 1/4	6"
1.7 x 3 1/2 x 1/4	6"

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. THE SHEARWALL SHEATHING TO BE APPLIED. 8d @ 5/8" DESIGNATES 8d COMMON @ 3" O.C. EDGE & 6" O.C. "IN THE FIELD"	
ADJ. – ADJACENT	LG – Long
BM – BOTTOM	MANUF. – Manufacture
BRG – BEARING	MONO – Monolithic
CMU – CONCRETE MASONRY UNIT	OC – On Center
DBL – DOUBLE	OSB – Oriented Strand Board
DIAM – DIAMETER	PERP. – Perpendicular
EA – EACH	PSF – Pounds per Square Foot
EE – EACH END	PSI – Pounds per Square Inch
EOR – ENGINEER OF RECORD	PT – PRESSURE TREATED
EQ – EQUAL	QT – Quick Tie
EXT – EXTERIOR	REIN. – Reinforce
FBC – FLORIDA BUILDING CODE	SF – Square Foot
FDN – FOUNDATION	SPF – Spruce Pine Fir
FT – FOOT	SYN – Southern Yellow Pine
FTG – FOOTING	THRU – Through
HDR – HORIZONTAL	TYP – Typical
VERT – VERTICAL	UN – Unless Otherwise Noted
WFF – WELDED WIRE FABRIC	



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PLAN NAME
KARLTON RESIDENCE
SSE NO
23-0561

ISSUE	DATE
PERMIT	10.06.23
REVISIONS	DATE

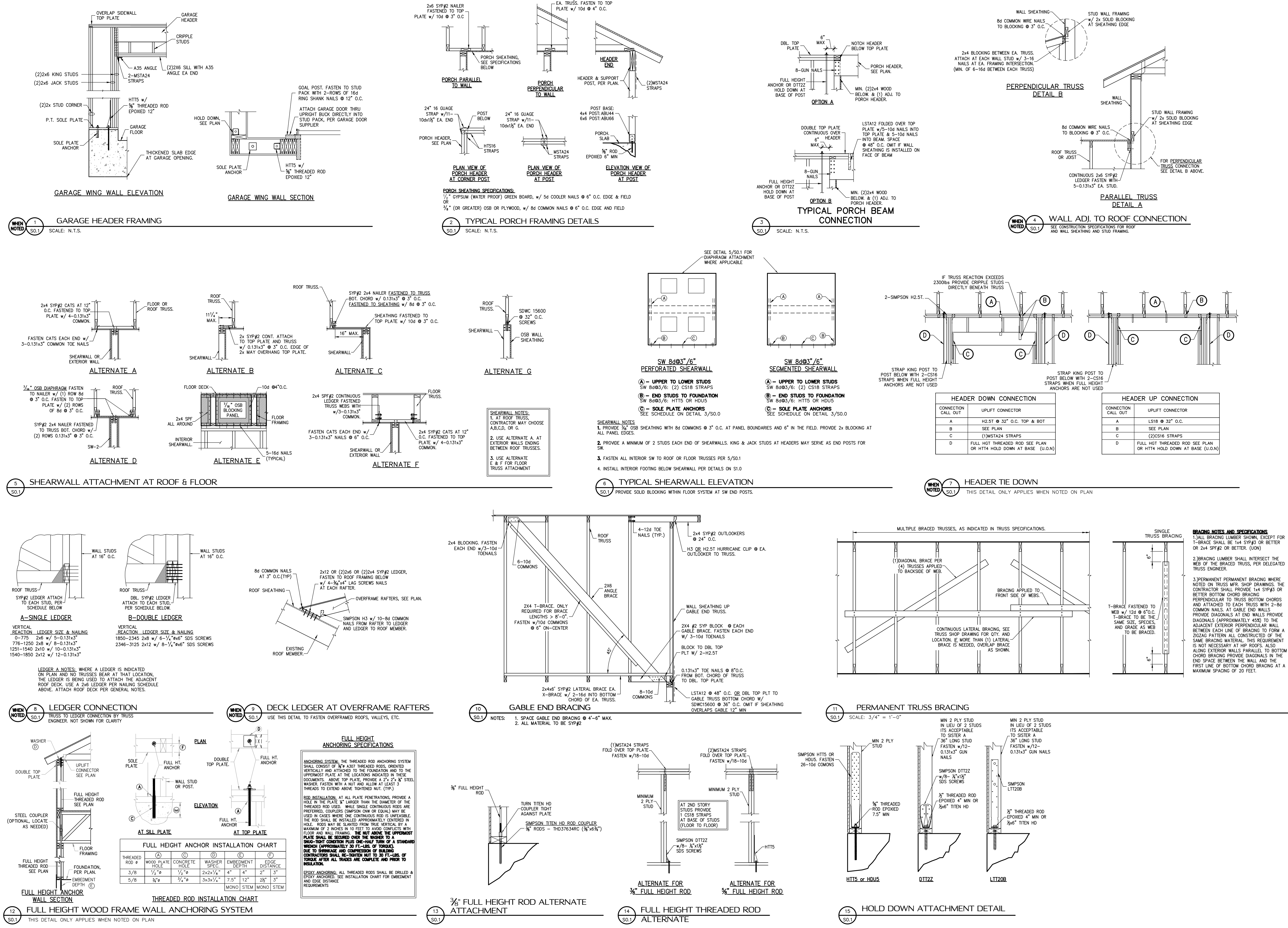
STRUCTURAL ENGINEERING FOR
THE KARLTON RESIDENCE

FIELD ALTERATION
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OBTAINING APPROVAL BY CHRISTOPHER
SABOURIN MAY RESULT IN ADDITIONAL
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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
S0.0
SHEET 1 OF 9



FOUNDATION LEGEND

—

DESIGNATES SLAB EDGE LINE

- - - -

DESIGNATES FOOTING LINE

- - - -

DESIGNATES SAWCUT LINE

DESIGNATES STEMWALL

DESIGNATES SLAB STEP RECESS

FOOTING SCHEDULE

GENERAL FOUNDATION NOTES

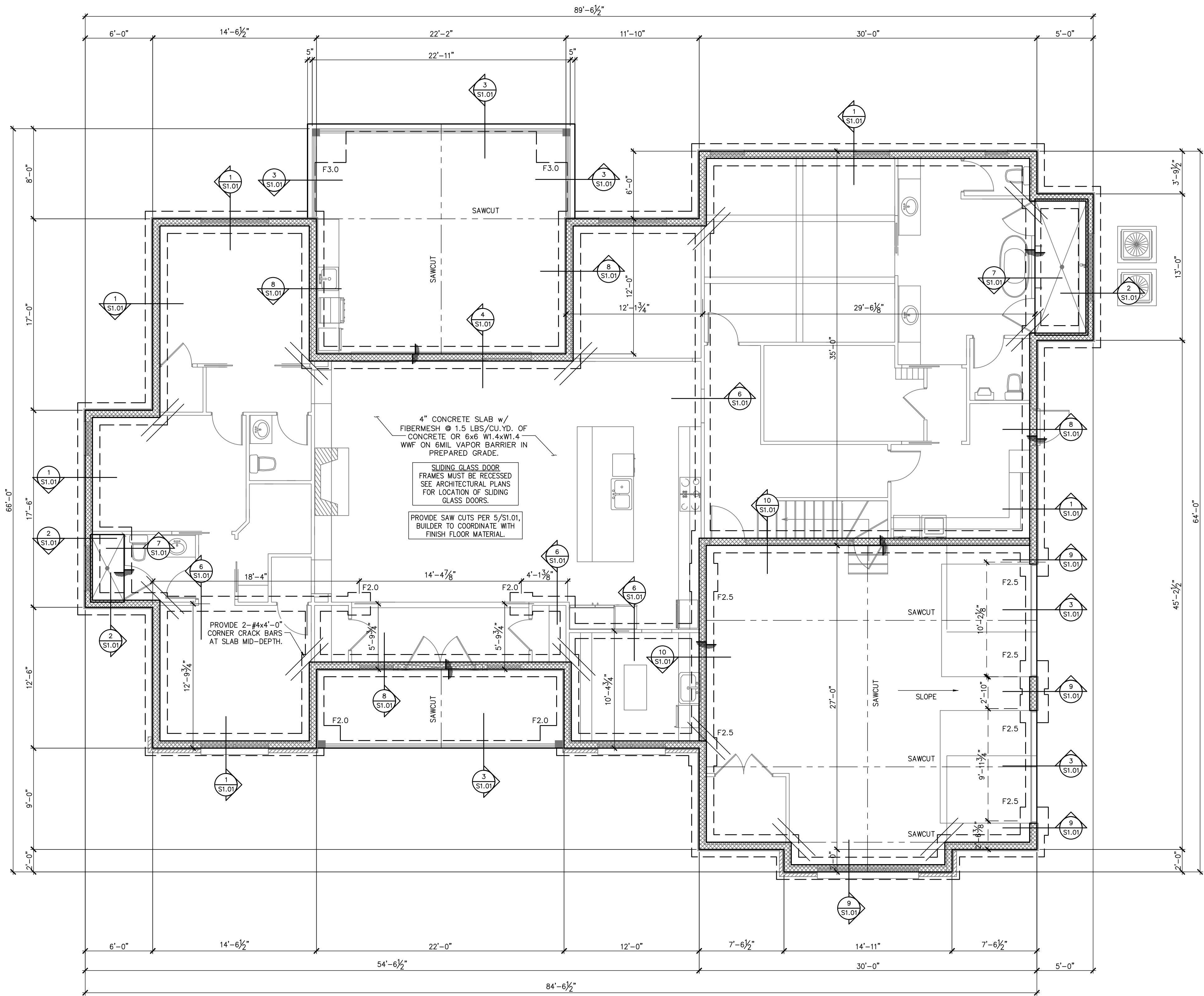
1. THIS FOUNDATION PLAN ONLY CONVEYS STRUCTURAL INFORMATION. SEE ARCH FOR DIMENSIONS

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

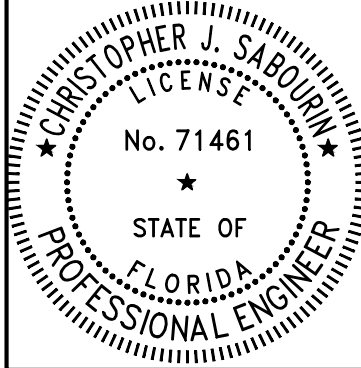
3. FOOTINGS AND FOUNDATIONS SHALL BE IN ACCORDANCE WITH LOCAL BUILDING CODES

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

CONTRACTOR TO
VERIFY DIMENSIONS



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



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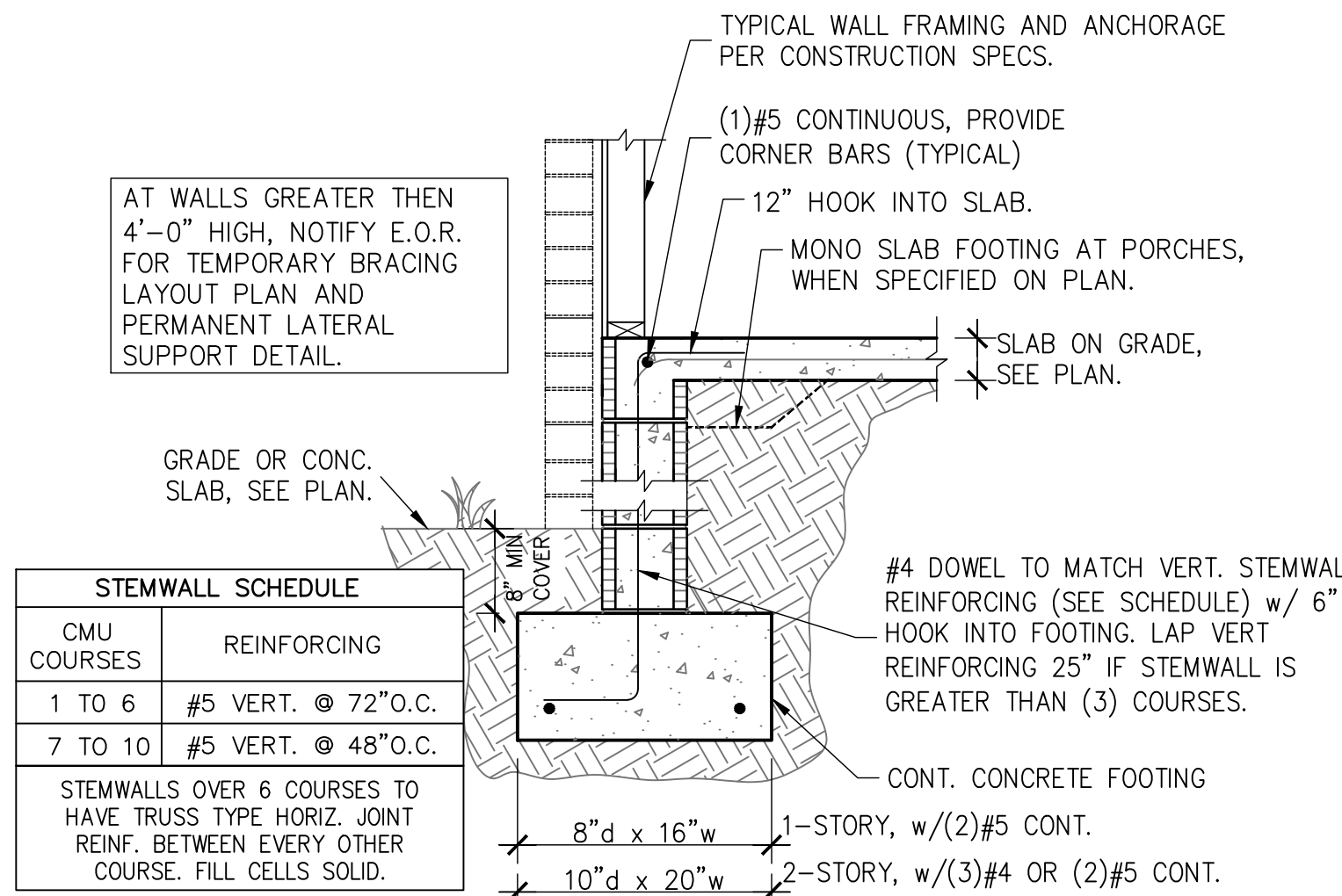
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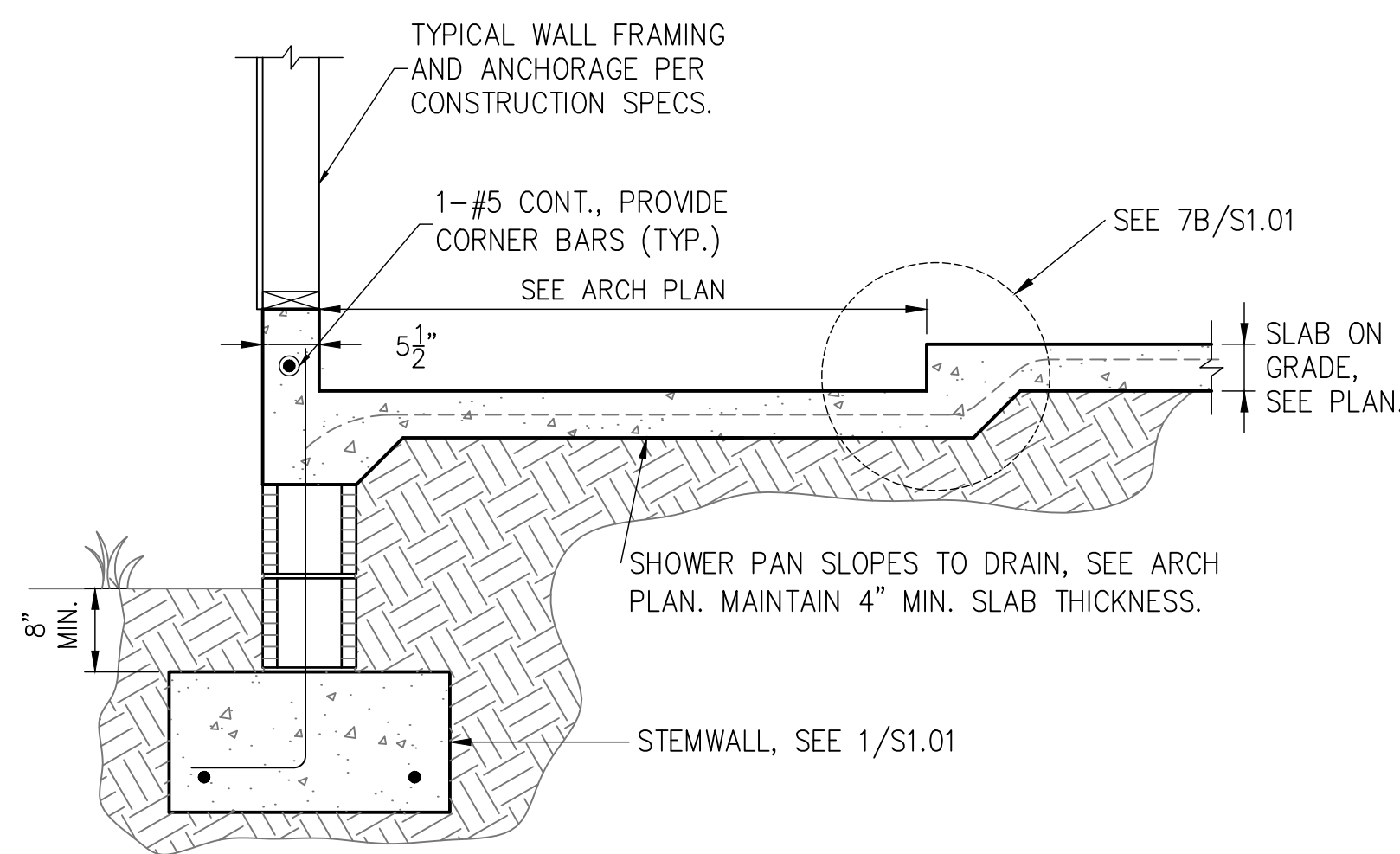
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FOUNDATION
PLAN

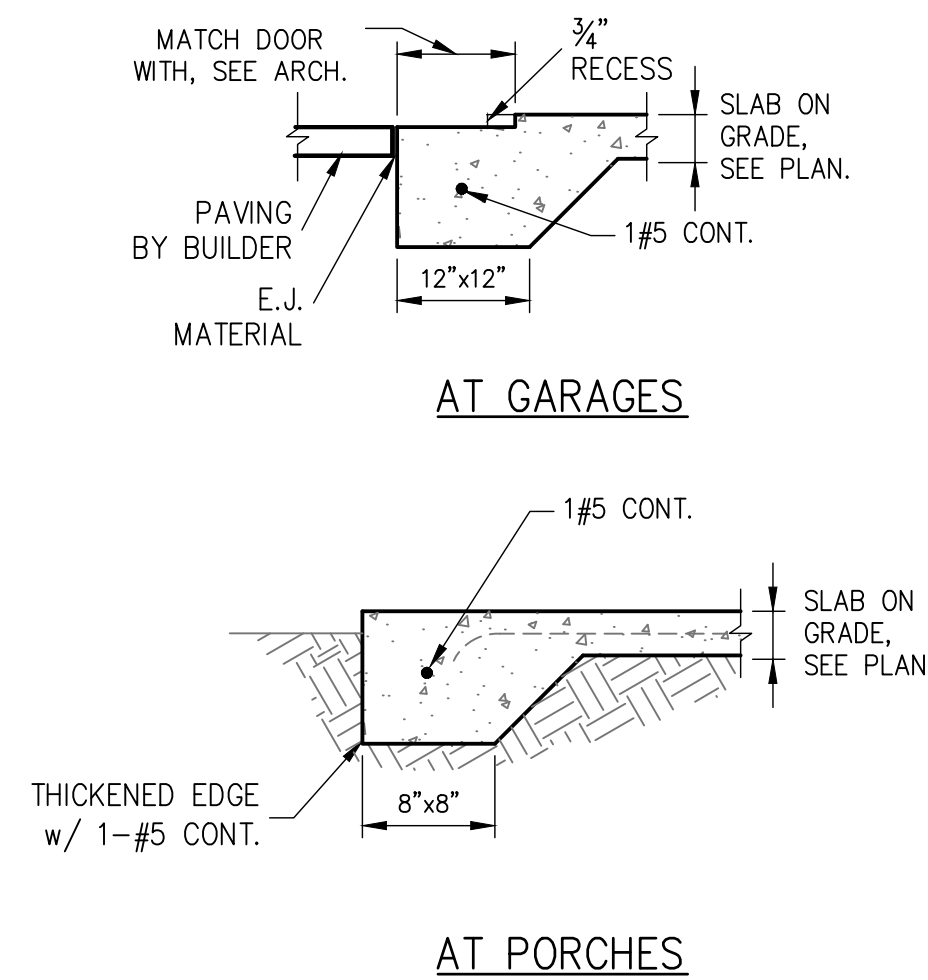
SHEET
S1.0
SHEET 3 OF 9



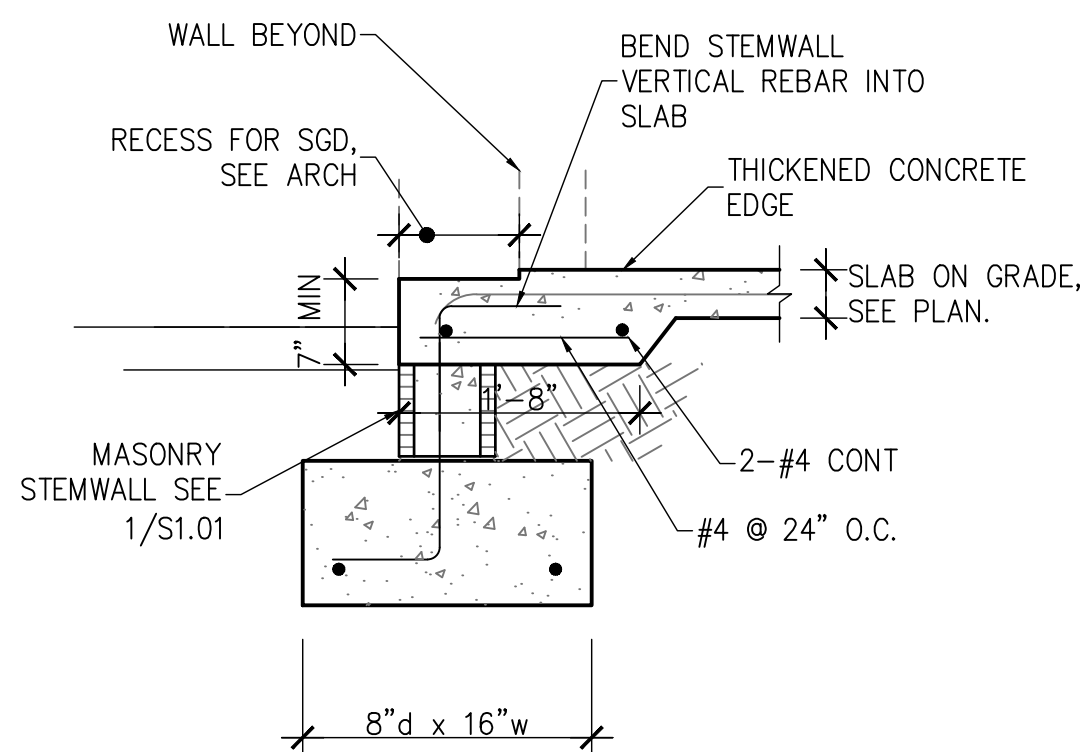
1 STEMWALL FOOTING
S1.01 SCALE: 3/4" = 1'-0"



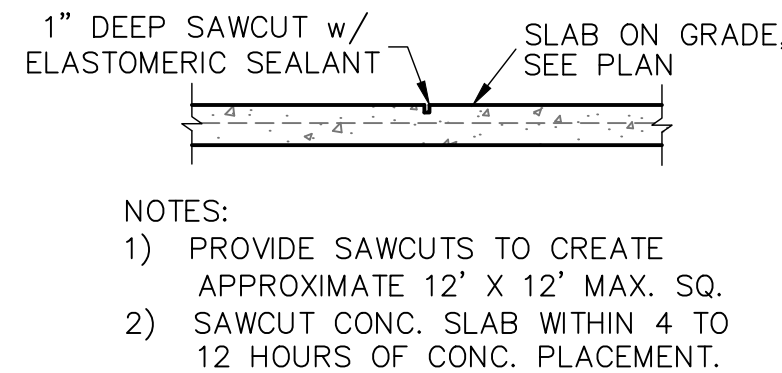
2 FOOTING W/ SHOWER RECESS
S1.01 SCALE: 3/4" = 1'-0"



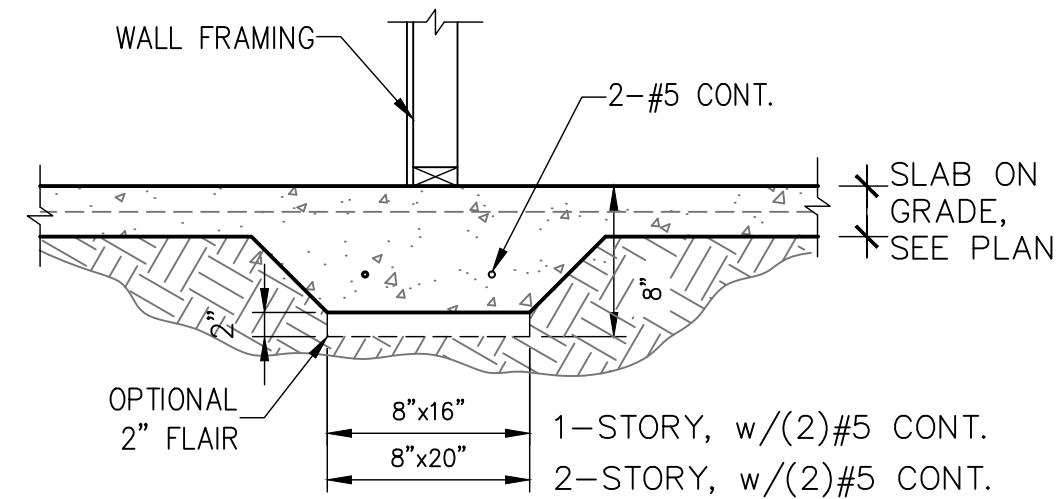
3 THICKENED SLAB
S1.01 SCALE: 3/4" = 1'-0"



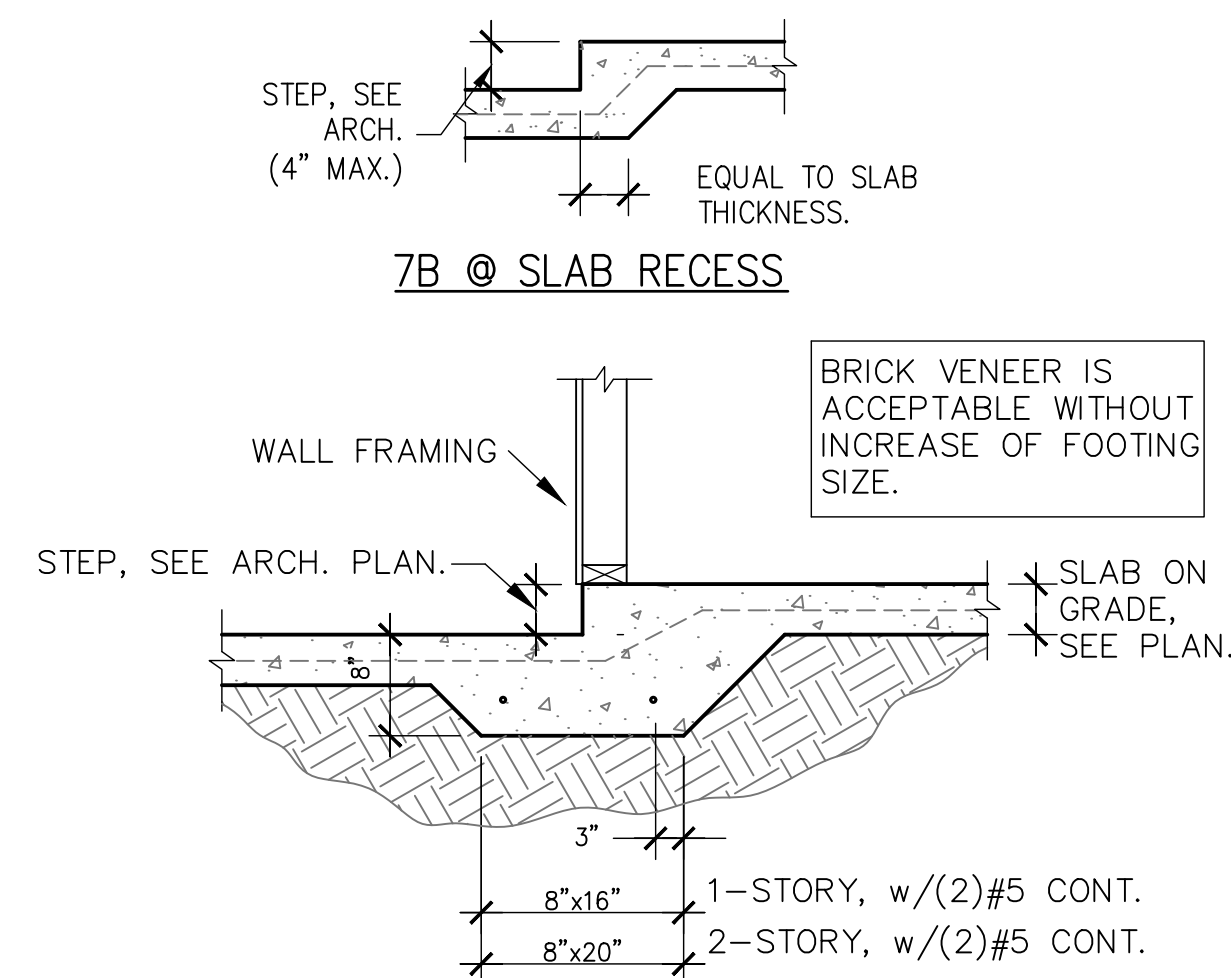
4 STEMWALL FOOTING AT SLIDER
S1.01 SCALE: 3/4" = 1'-0"



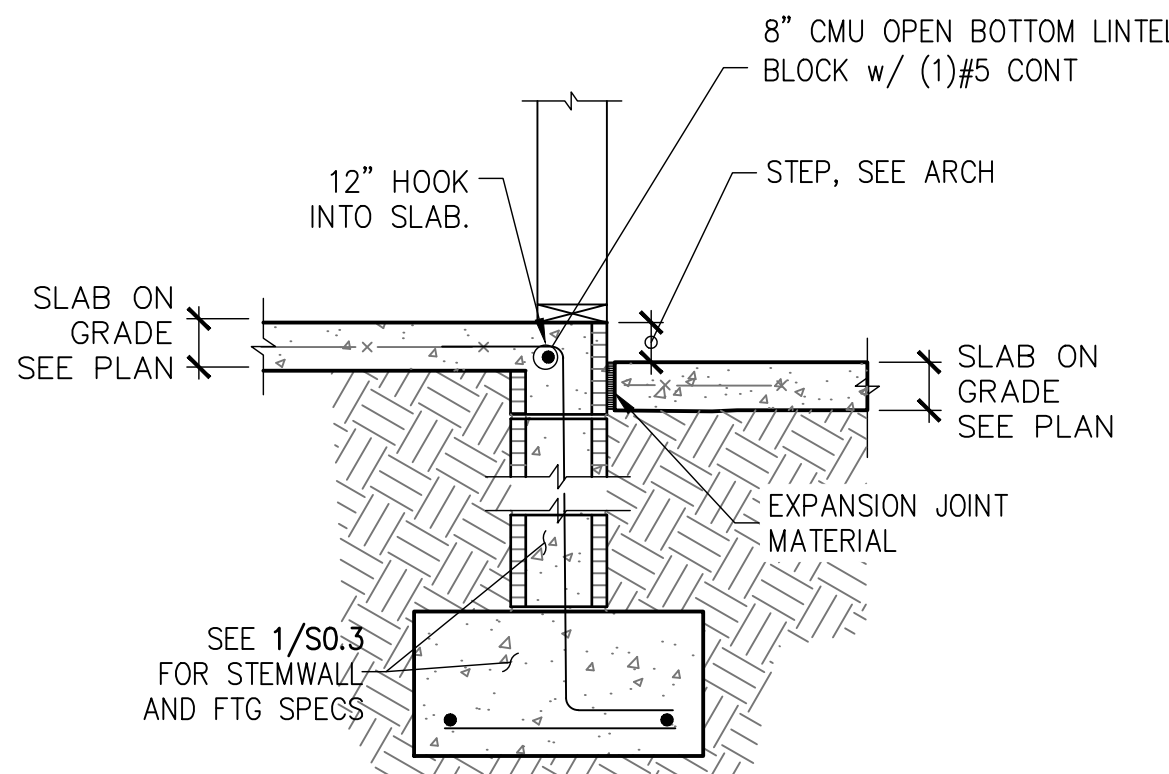
5 SAW CUT DETAIL
S1.01 SCALE: 3/4" = 1'-0"



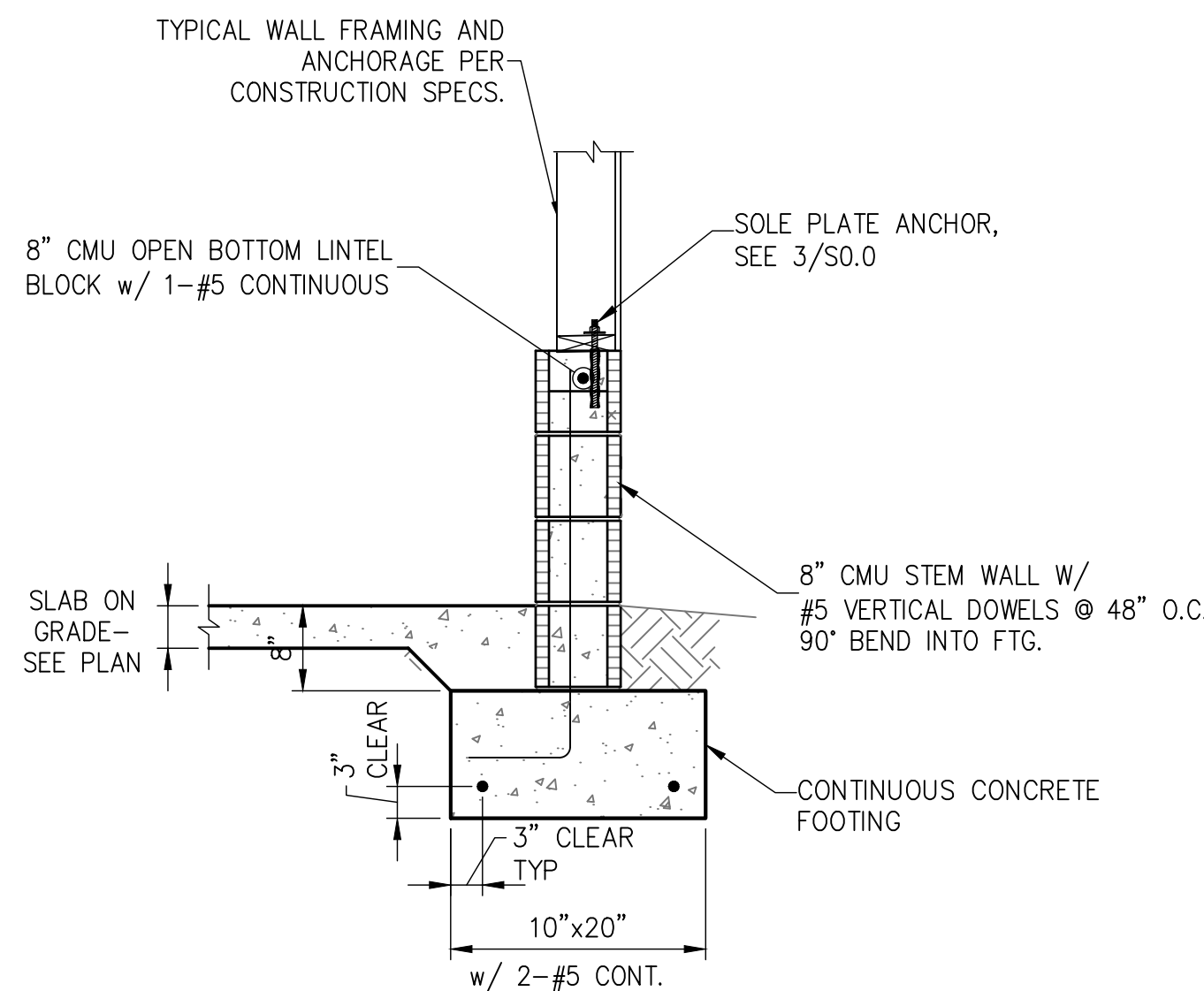
6 BEARING AT INTERIOR
S1.01 SCALE: 3/4" = 1'-0"



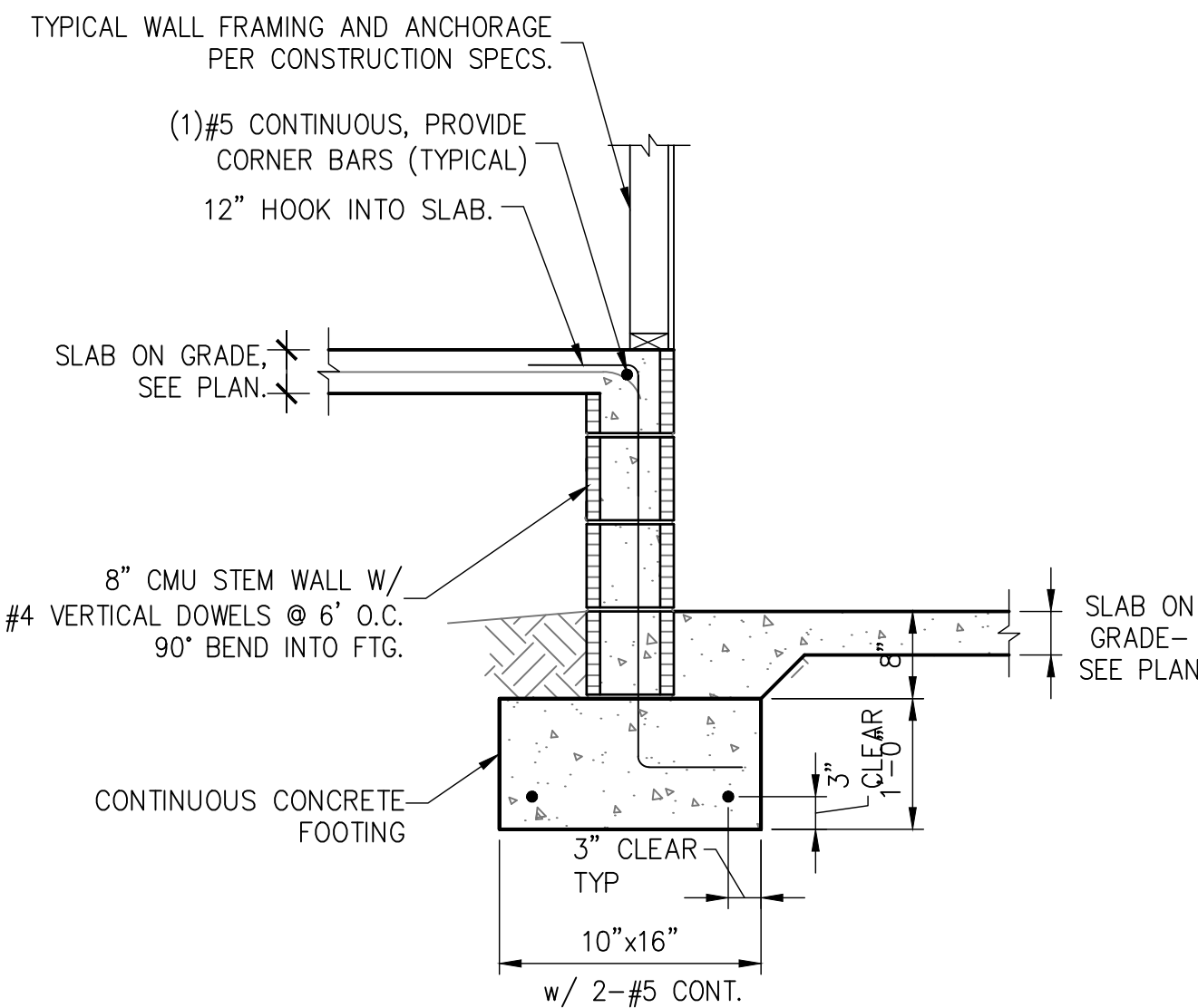
7 MONO. FOOTING AT STEP-DOWN
S1.01 SCALE: 3/4" = 1'-0"



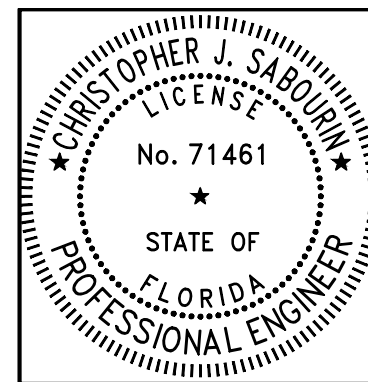
8 STEP AT STEMWALL
S1.01 SCALE: 3/4" = 1'-0"



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



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



0.0.23
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PLAN NAME
KARLTON RESIDENCE
SSE No.
23-0561

ISSUE	DATE
PERMIT	10.06.23
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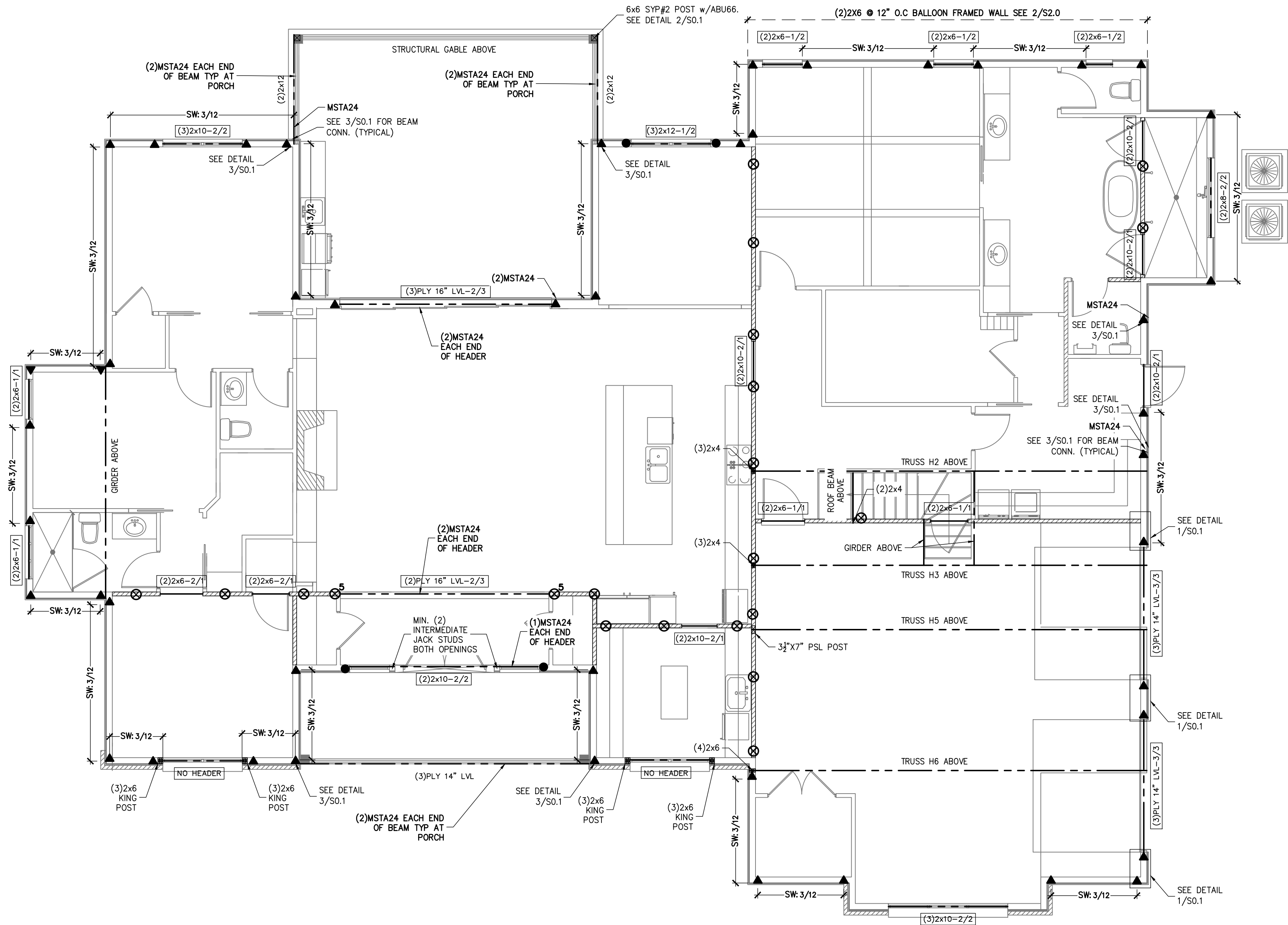
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FIELD ALTERATION
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FOUNDATION
DETAILS

SHEET
S1.01
SHEET 4 OF 9



FIRST LEVEL WALL FRAMING PLAN

SCALE: 3/16\"/>

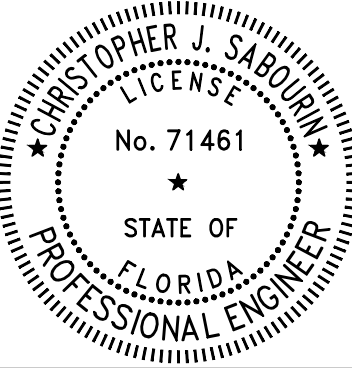
SYMBOLS LEGEND	
	DESIGNATES OSB SHEARWALL. THE HIDDEN LINE SEPARATES SIDE OF WALL. THE SHEARWALL SHEATHING TO BE APPLIED. 86 @ 16\"/>
	DESIGNATES THE HEADER SIZE, NUMBER OF PLYS & JACKING STUDS NEEDED FOR SUPPORT HEADER.
	BEAM OR TRUSS, SEE PLAN
ANCHOR LEGEND	
	1/2\"/>
	1/2\"/>
	1/2\"/>
	1/2\"/>
	SIMPSON HTTS SEE DETAIL 15/SO.1
	SIMPSON DT22 SEE DETAIL 15/SO.1
	SIMPSON LTT208 SEE DETAIL 15/SO.1

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

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 SOLO FOR WALL SHEATHING SPECIFICATIONS.
3.	UPPER MOST TOP PLATE SUPPORTING ROOF MEMBERS SHALL BE STRAPPED AS SHOWN IN DETAIL 1/SO.0
4.	INSTALL SOLE PLATE ANCHORS PER DETAIL 3/SO.0

GENERAL NOTES	
1.	SEE DETAIL 2/SO.0 FOR WALL FRAMING DETAIL. SEE WALL STUD SCHEDULE THIS SHEET FOR STUD SIZES AND SPACING. AT GIRDERS AND BEAMS, PROVIDE STUDS BELOW TO MATCH BEAM/GIRDER PILES.
2.	SEE SHEET SOLO 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

SOLE PLATE ANCHOR SPACING SCHED	
ALL EXTERIOR WALL UNLESS OTHER NOTED	42" O.C.
SHEARWALLS (SW 8-8027/8)	24" O.C.
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" = 36" ON-CENTER SPACING



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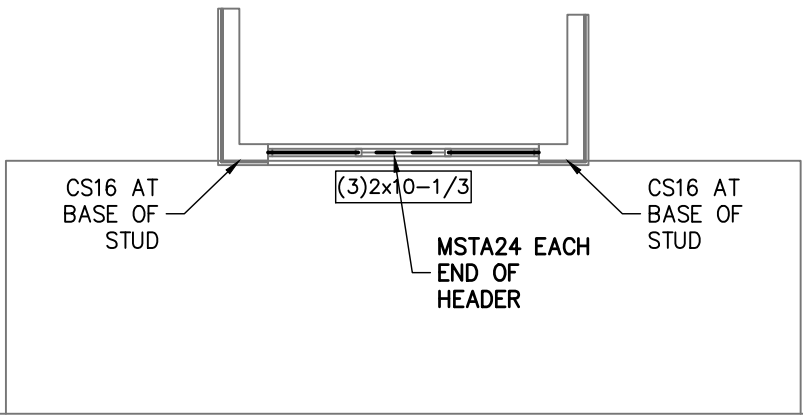
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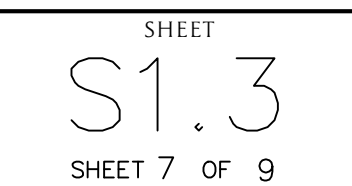
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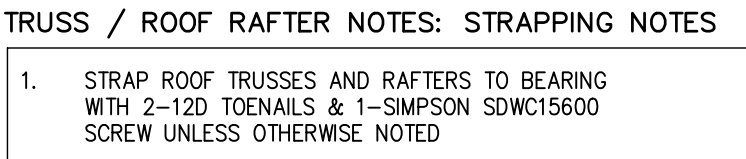
FIRST LEVEL
WALL
FRAMING
PLAN

SHEET
S1.1
SHEET 5 OF 9



SCALE: $3/16" = 1'-0"$





SYMBOLS LEGEND

HTS100 DISCONTINUED RAFT CONNECTION

STANDARD TRUSS TO PLATE CONNECTIONS AND FINISHES: SEE SHEET S.D.S.
 1. TOP PLATE: 1/2" THICK, 2" MIN. CONNECTION, SEE ALSO MIN. TOP CHORD CONNECTION.
 2. FOR GENERAL TRUSS CONNECTIONS: SEE SHEET S.D.S.
 3. WHEN TRUSS JOISTS CUP IN TO THE PLATE, PLACE STUDS RAPIDLY ACROSS DOUBLE TOP PLATE FROM EACH OTHER.

TRUSS FASTENING DETAILS

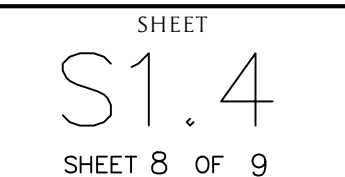
TRUSS TIE DOWN WITH SIMPSON SOWC

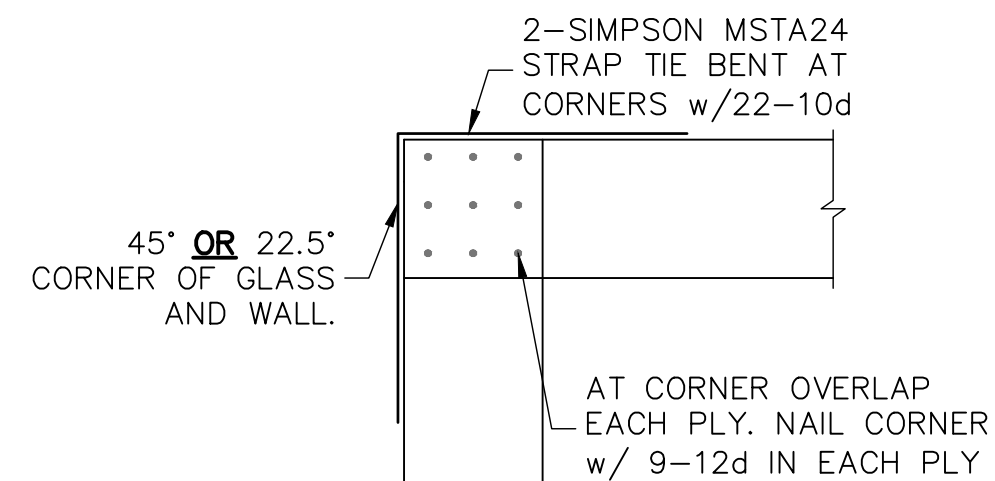
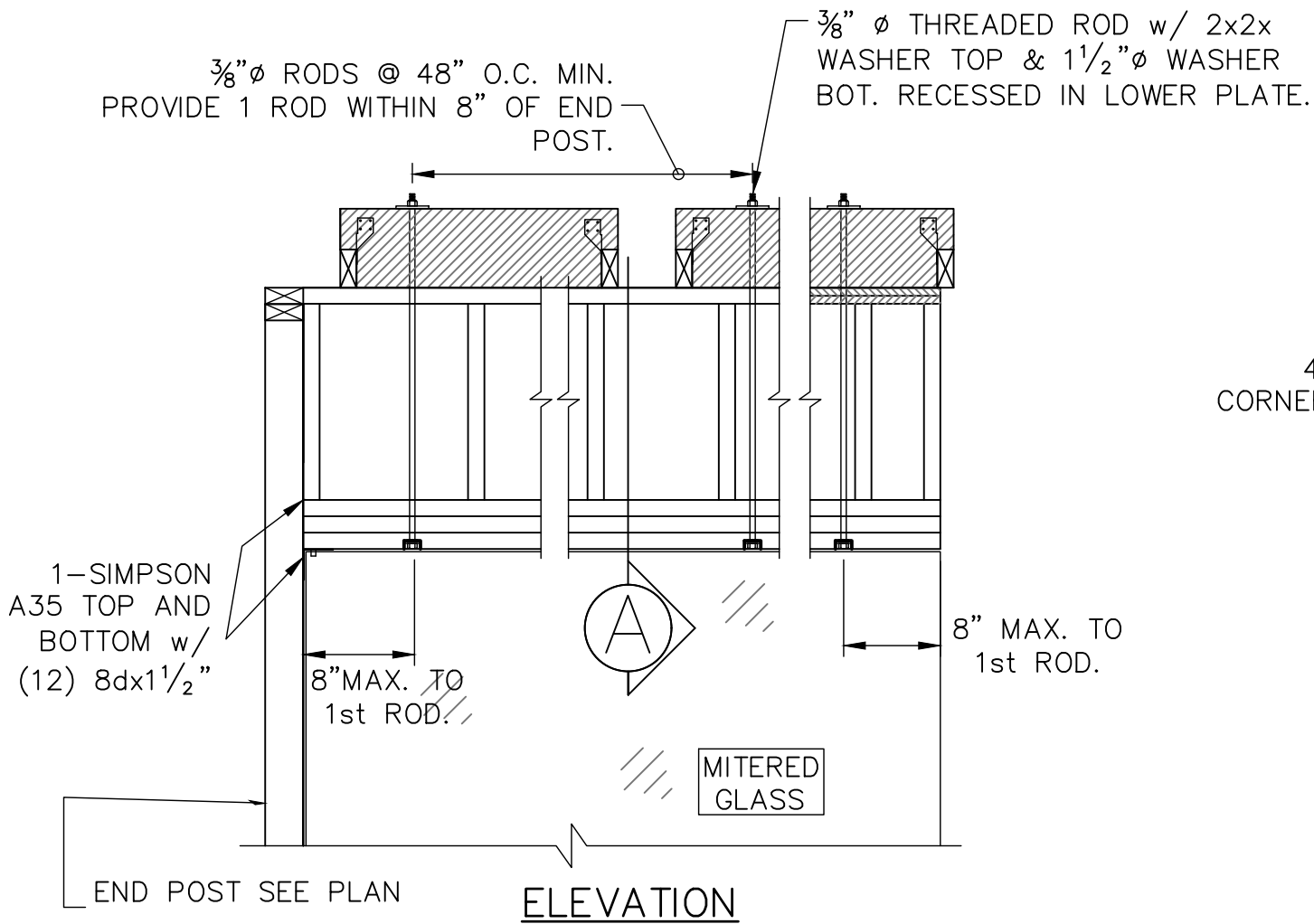
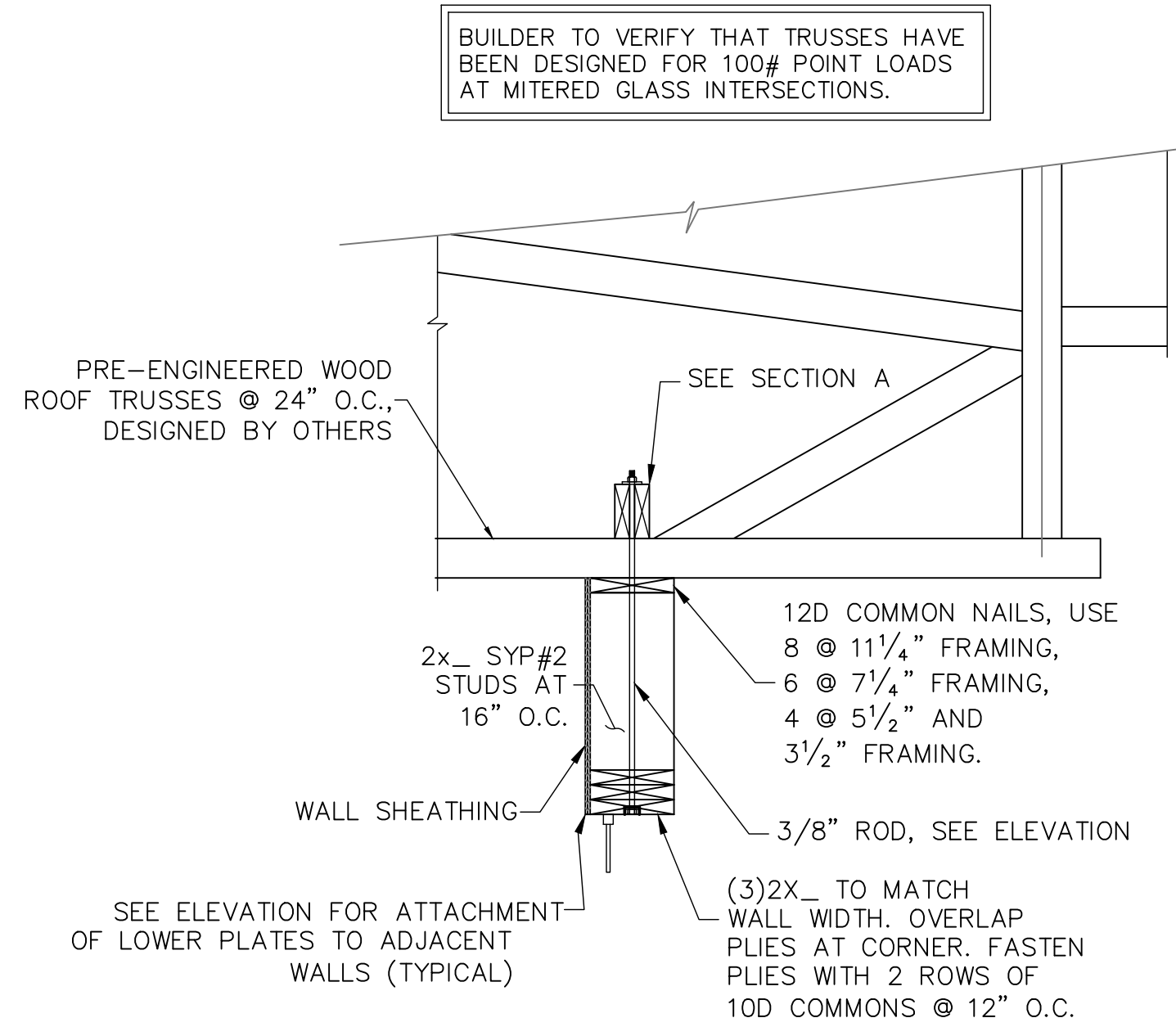
SIMPSON SOWC INSTALLATION RANGE

SOWC INSTALLATION

SOWC INSTALLATION RANGE

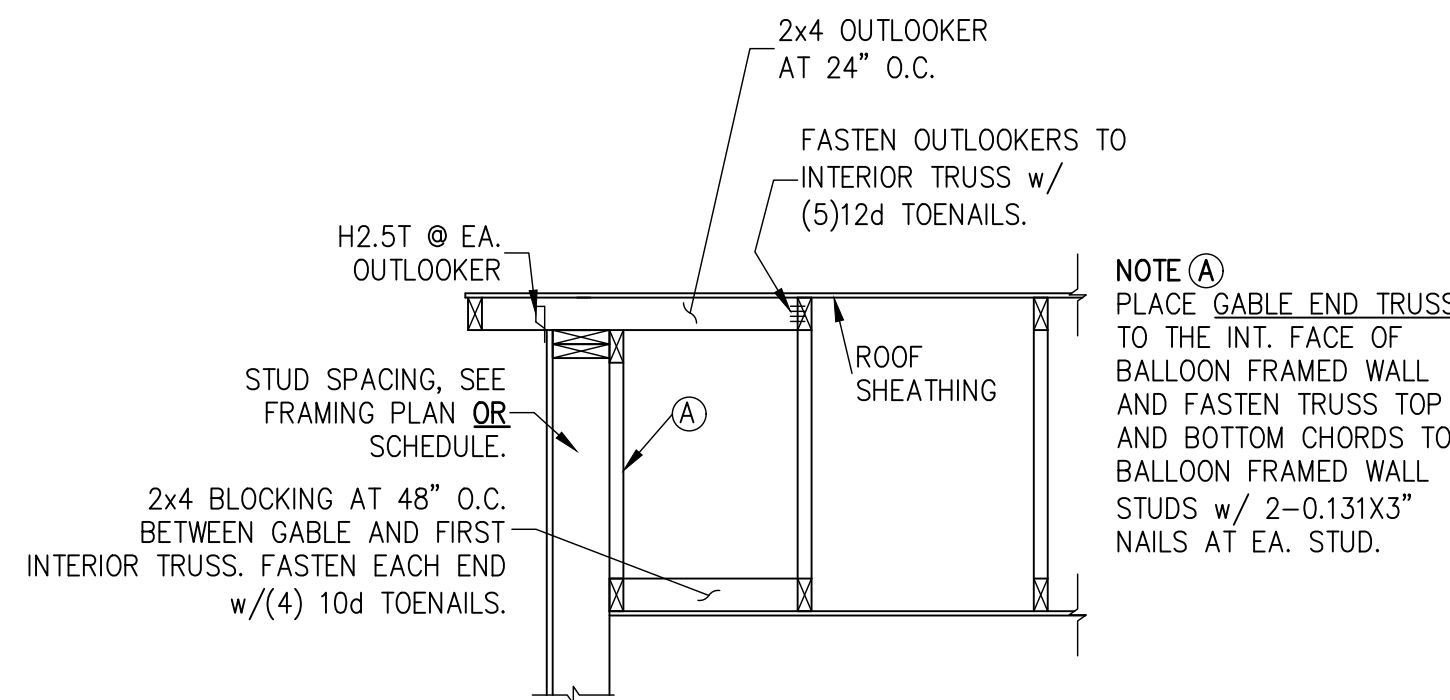
SOWC AT TOP PLATE SPLICE



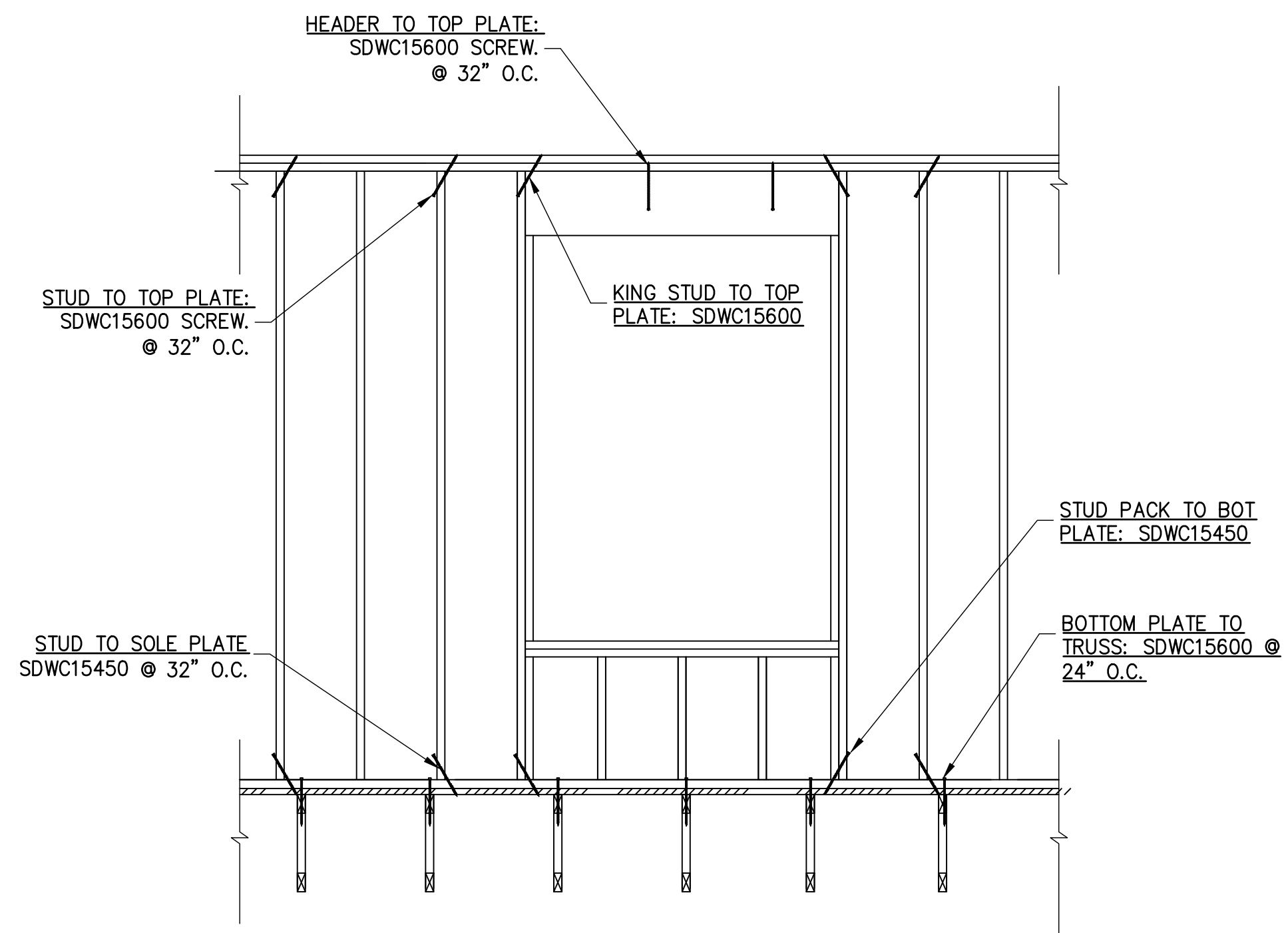


SECTION AT CORNER

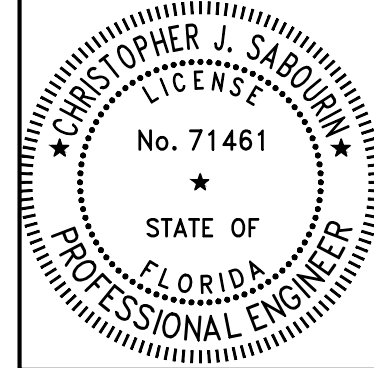
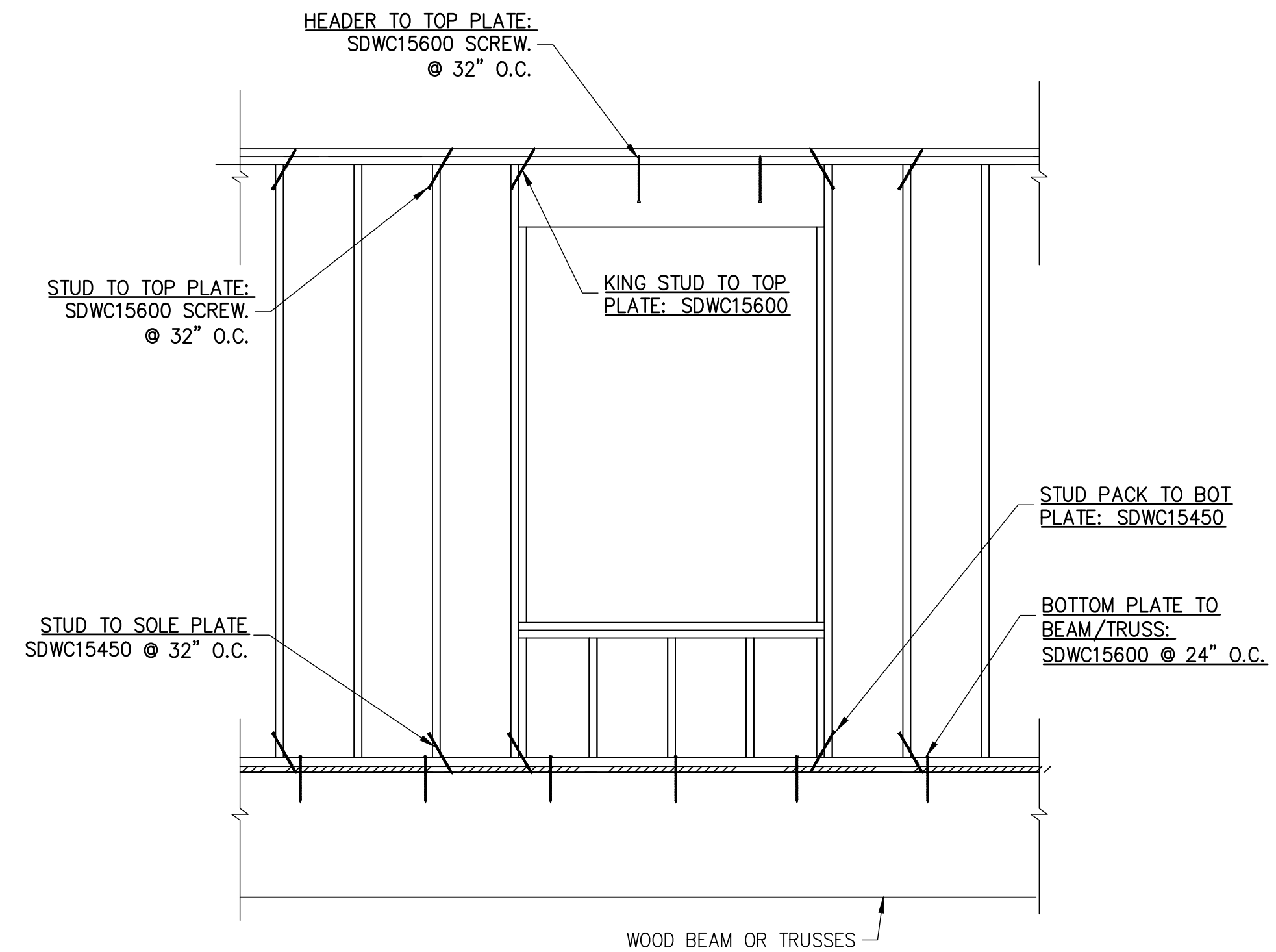
1 MITERED WINDOW HEAD FRAMING
SCALE: N.T.S.



2 BALLOON FRAMED WALL w/ GABLE TRUSS
SCALE: 3/4" = 1'-0"



WHEN NOTED 3 WALL UPLIFT FASTENING
THIS DETAIL ONLY APPLIES WHEN NOTED ON PLAN



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MISC DETAILS