

GENERAL NOTES

- THE STRUCTURAL DOCUMENT (DRAWINGS & SPECIFICATIONS) - MUST NOT BE USED WITHOUT THE CONSTRUCTION DOCUMENT OF OTHER DISCIPLINES. COORDINATION BETWEEN STRUCTURAL DOCUMENT AND OTHER DISCIPLINES DOCUMENT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND THE SUBCONTRACTOR RESPONSIBLE FOR THE WORK.
- EXISTING CONDITIONS SHOWN ON THE STRUCTURAL DOCUMENT ARE CONCEPTUAL & MUST BE VERIFIED IN THE FIELD BY GENERAL CONTRACTOR PRIOR TO DETAILING, FABRICATION, & CONSTRUCTION OF RELATED WORK.
- ALL ITEMS REQUIRED BY OTHER DISCIPLINES' WORK & IMPACTING THE STRUCTURAL WORK SUCH AS CASTING OF ANCHORS, SLEEVES, CONDUITS, OPENINGS, SUPPORTS FOR BRACING FOR NON-STRUCTURAL COMPONENT SHALL BE IDENTIFIED BY SUBCONTRACTORS RESPONSIBLE FOR SUCH WORK & SUBMITTED WITH DETAILS FOR STRUCTURAL ENGINEERS APPROVAL.
- THE SEOR IS NOT RESPONSIBLE FOR MEANS, METHODS, AND SEQUENCE OF WORK. ALL TEMPORARY BRACING, SHORING, COMPLIANCE WITH OSHA REGULATIONS & SOILS REPORT AND GENERAL STABILITY OF INDIVIDUAL STRUCTURAL COMPONENT DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- WHERE SPECIFIC DETAILS ARE NOT IDENTIFIED ON THE STRUCTURAL PLANS, REFER TO TYPICAL DETAILS AND UTILIZE INDUSTRY STANDARD PRACTICE AS IDENTIFIED IN SPECIFIED CODES, REGULATIONS, AND STANDARDS.

DESIGN CRITERIA
BUILDING CODE: IBC 2009 / ASCE 7-05

LIVE LOADS
ROOF: 0 TO 200 S.F. - 20 PSF
200 TO 600 S.F. - 24-32 PSF AREA BUT NOT LESS THAN 12 PSF
OVER 600 S.F. - 12 PSF

DEAD LOADS
ROOF: 15 PSF

ROOF SNOW LOADS
DESIGN ROOF SNOW LOAD: 25.0 PSF
FLAT ROOF SNOW LOAD, P_f: 20 PSF
SNOW EXPOSURE FACTOR, C_e: 1.00
IMPORTANCE FACTOR, I: 1.00
THERMAL FACTOR, C_t: 1.00
GROUND SNOW LOAD, P_g: 20 PSF
RAIN ON SNOW SURCHARGE: 0.5 PSF
SLOPED ROOF FACTOR, C_s: 1.00

WIND DESIGN DATA
BASIC WIND SPEED: 90 MPH
MEAN ROOF HT (h): 27 FEET
BUILDING CATEGORY: II
IMPORTANCE FACTOR: 1.00
ENCLOSURE CLASSIF.: B
INTERNAL PRESSURE COEF.: +0.18
DIRECTIONALITY (K_d): 0.85

EARTHQUAKE DESIGN DATA
OCCUPANCY CATEGORY: II
IMPORTANCE FACTOR: 1.00
MAPPED SPECTRAL RESPONSE, S_s: 0.54
ACCELERATIONS, S₁: 0.18
SITE CLASS: C
SPECTRAL RESPONSE COEF., S_{ds}: 0.432
S_{d1}: 0.192

SEISMIC DESIGN CATEGORY
BASIC STRUCTURAL SYSTEM: BEARING WALL
SEISMIC RESISTING SYSTEM: LIGHT FRAME WALLS w/SHEAR PANELS
DESIGN BASE SHEAR, V: 0.0677V
SEISMIC RESPONSE COEF., C_s: 0.0677
RESPONSE MODIFICATION FACTOR, R: 5.5
ANALYSIS PROCEDURE: EQUIVALENT LATERAL-FORCE ANALYSIS

- WOOD FRAMING (ROUGH CARPENTRY, WOOD PRODUCTS AND WOOD TRUSSES)**
- DESIGN CODES:
 - NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS), LATEST EDITION.
 - INSTALL ROUGH CARPENTRY WORK TO COMPLY WITH AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC) TIMBER CONSTRUCTION (TC) MANUAL, LATEST EDITION AND RECOMMENDATIONS OF THE PRODUCT MANUFACTURER.
 - MATERIAL SPECIFICATIONS:
 - ALL WOOD STOCK FRAMING SHALL BE SOUTHERN YELLOW PINE, NO. 1 GRADE (GRADED UNDER WPPA RULES) OR BETTER.
 - LUMBER FOR MISCELLANEOUS USES MAY BE "STANDARD" GRADE LIGHT-FRAMING-SIZE LUMBER OF ANY SPECIES FOR SUPPORT OF OTHER CONSTRUCTION INCLUDING ROOFING EQUIPMENT AND SUPPORT BASES. CANT STRIPS, BUCKS, NAILERS, BLOCKING, FURRING, GROUND, STIRRUPS AND SIMILAR MEMBERS.
 - ULTRA LAM COLUMNS AS MANUFACTURED BY VALLEY LUMBER CO. INC.
 - FASTENERS:
 - NAILS: WIRE BRADS AND STAPLES: ASTM F547
 - POWER DRIVEN FASTENERS: NATIONAL EVALUATION REPORT NER-272
 - WOOD SCREWS: ANSI B18.8.1
 - LAG BOLTS: ANSI B18.2.1
 - BOLTS: ASTM A307, GRADE A OR ASTM A36

- WOOD TRUSS MEMBERS:
 - TRUSSES SHOWN ON PLANS ARE FOR CONFIGURATION ONLY. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH MISSOURI PROFESSIONAL ENGINEERS SEAL SHOWING ACTUAL MEMBER STRESSES AND JOINT PLATE SIZES CONFORMING TO LOADING FIGURES CONSTRUCTED BY THE TRUSS SUPPLIER. TRUSS LAYOUT DRAWINGS SHALL BE SUBMITTED.
 - ALL WOOD TRUSS TO WOOD TRUSS (OR WOOD GIRDER TRUSS) CONNECTIONS SHALL BE BY WOOD TRUSS SUPPLIER. SHOP DRAWINGS SHALL BE SUBMITTED FOR THESE CONNECTIONS. TYPICAL.
 - TEMPORARY AND PERMANENT WOOD TRUSS BRACING/BRIDGING LOCATION AND SIZE SHALL BE DESIGNED AND INDICATED BY THE TRUSS MANUFACTURER. TYP.
 - LIVE LOAD DEFLECTION DESIGN LIMITS SHALL NOT BE GREATER THAN THE FOLLOWING:
 - ROOF TRUSSES, VERTICAL 1/360 TIMES PROJECTED SPAN.
 - FLOOR TRUSSES, VERTICAL 1/480 TIMES SPAN LENGTH.
 - PROVIDE 1/8" OF CAMBER FOR EACH 8'-0" OF TRUSS SPAN UNO.

- NOTES:
 - ALL BEAMS, HEADERS, LINTELS AND COLUMNS SHALL BE CONNECTED WITH APPROPRIATE METAL STANDARDS OF SIMPSON STRONG-TIE. ATTACH ANCHORS TO WOOD FRAMING IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
 - MISCELLANEOUS FASTENER CONNECTIONS SHALL BE IN ACCORDANCE WITH THE NAILING SCHEDULE OF THE APPROPRIATE BUILDING CODE. WHERE ROUGH CARPENTRY IS EXPOSED TO WEATHER, IN GROUND CONTACT, OR IN AREAS OF HIGH RELATIVE HUMIDITY, PROVIDE HOT-DIP-ZINC COATED FASTENERS PER ASTM A153 OR AISI TYPE 304 STAINLESS STEEL FASTENERS.
 - ALL MULTIPLE-PLY MICROLAM MEMBERS SHALL BE INTERCONNECTED PER MANUFACTURER INSTRUCTIONS FOR SIDE-LOADED BEAMS.
 - PRESERVATIVE TREAT LUMBER AND PLYWOOD WITH WATER-BORNE PRESERVATIVES TO COMPLY WITH AWPA C2 AND C9 RESPECTIVELY, AND WITH REQUIREMENTS INDICATED BELOW.
 - PRESSURE TREAT ABOVE-GROUND ITEMS WITH WATER-BORNE PRESERVATIVE TO A MINIMUM RETENTION OF 0.25 PCF. FOR INTERIOR USES, AFTER TREATMENT, KILN-DRY LUMBER AND PLYWOOD TO A MAXIMUM MOISTURE CONTENT. RESPECTIVELY OF 18 PERCENT AND 15 PERCENT. TREAT INDICATED ITEMS AND THE FOLLOWING:
 - WOOD CANTS, NAILERS, CURBS, EQUIPMENT, SUPPORT BASES, BLOCKING STRIPPING AND SIMILAR MEMBERS IN CONNECTION WITH ROOFING, FLASHING, VAPOR BARRIERS AND WATERPROOFING.
 - WOOD SILL'S, SLEEPERS, BLOCKING, FURRING, STRIPPING AND SIMILAR CONCEALED MEMBERS IN CONTACT WITH MASONRY OR CONCRETE.
 - COMPLETE FABRICATION OF TREATED ITEMS PRIOR TO TREATMENT, WHERE POSSIBLE. IF CUT AFTER TREATMENT, COAT CUT SURFACES TO COMPLY WITH AWPA M4. INSPECT EACH PIECE OF LUMBER OR PLYWOOD AFTER FRYING AND DISCARD DAMAGED OR DEFECTIVE PIECES.

CONCRETE:

- CONCRETE SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN A.C.I. 301 AND SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH AND DENSITY, IN ACCORDANCE WITH THE FOLLOWING:

INTENDED USE	28-DAY STRENGTH (KSI)	CONCRETE DENSITY (PCF)	MAX. ALLOWABLE MAX. SIZE OF AGGREGATE (IN)	MINIMUM AGGREGATE FIN. MODULUS (KIP/IN ²)	SUPPLY LIMITS (MIN./MAX.)	TOTAL AIR LIMITS (NO. BY VOL.)	REQUIRED ADAPTIVES (BY VOL.)
DRILLED PIERS	4	145.0-148.5	5/8"	1	4	6	AE
FOOTINGS	4	145.0-148.5	5/8"	1	4	-	-
GRADE BEAMS, TIE BEAMS AND BASEMENT WALLS	4	145.0-148.5	5/8"	3/4"	4	-	-
COLUMNS	5	145.0-148.5	1"	4	-	-	-
STRUCTURAL SLABS AND BEAMS	4	145.0-148.5	5/8"	3/4"	4	N	-
CONCRETE EXPOSED TO WEATHER	4	145.0-148.5	5/8"	3/4"	4	AE	WR
SLABS ON METAL DECK	3.5	110.0-115.0	5/8"	3/4"	5	-	-
INTERIOR TYPING SLABS	3.5	145.0-150.0	5/8"	3/4"	4	-	-
INTERIOR SLAB ON GRADE	4	145.0-150.0	5/8"	3/4"	4	N	-
ALL CONCRETE NOT OTHERWISE SPECIFIED	4	145.0-148.5	5/8"	3/4"	4	6	-

- FOR MAXIMUM COARSE AGGREGATE SIZE INDICATED, USE THE FOLLOWING AGGREGATE SIZE NUMBERS PER A.S.T.M. C33:
 - 3/8" - #8 AGGREGATE
 - 1/2" - #10 AGGREGATE
 - 3/4" - #16 AGGREGATE
 - 1" - #19 AGGREGATE
 - 1 1/2" - #27 AGGREGATE
- TOTAL AIR CONTENT LIMITS INCLUDE BOTH ENTRAINED AND ENTRAPPED AIR + 1.0%. "N" IN COLUMN INDICATES ADDITION OF ENTRAINED AIR NOT PERMITTED.
- ABBREVIATIONS FOR REQUIRED ADMIXTURES AS FOLLOWS:
 - AE - AIR-ENTRAINED ADMIXTURE
 - WR - WATER REDUCING ADMIXTURE
- MAXIMUM SHRINKAGE FOR SLAB ON GRADE SHALL BE LIMITED TO 1/2" PER 100 FEET.
- REINFORCING SHALL CONFORM TO A.S.T.M. A615, GR. 60, INCLUDING TIES AND STIRRUPS. BARS REQUIRING WELDING OR FOLD BENDING SHALL BE A.S.T.M. A706, GRADE 60.
- WELDED WIRE FABRIC SHALL CONFORM TO A.S.T.M. A185.
- LAP SPICES SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE, UNLESS NOTED OTHERWISE. WHERE CLASSES ARE NOT CALLED OUT ON DRAWING, USE CLASS "B" SPICES. SPICES (F_c = 4000 P.S.I., F_y = 60,000 P.S.I.)

STANDARD TENSION LAP SPICE, GRADE 60											
CLASS A, AB, LAP SPICE LENGTH (INCHES)											
BAR SIZE	CLASS	F _c = 3,000 P.S.I.		F _c = 4,000 P.S.I.		F _c = 5,000 P.S.I.		F _c = 6,000 P.S.I.		F _c = 8,000 P.S.I.	
		A	B	A	B	A	B	A	B	A	B
#3	CASE 1	1	2	1	2	1	2	1	2	1	2
#4		16	16	16	16	16	16	16	16	16	16
#5		16	16	16	16	16	16	16	16	16	16
#6		16	16	16	16	16	16	16	16	16	16
#7		16	16	16	16	16	16	16	16	16	16
#8		16	16	16	16	16	16	16	16	16	16
#9		16	16	16	16	16	16	16	16	16	16
#10		16	16	16	16	16	16	16	16	16	16
#11		16	16	16	16	16	16	16	16	16	16

*TOP BARS ARE DEFINED AS ANY BAR WITH MORE THAN 12" OF CONCRETE CAST ABOVE THE BAR. SEE NOTE 4 IN TABLE NOTES

COMPRESSION LAP SCHEDULE		
LAP LENGTH (INCHES)		
F _c = 3,000 P.S.I. OR GREATER		
BAR SIZE	MIN.	LAP
#3	12	
#4	15	
#5	19	
#6	22	
#7	26	
#8	29	
#9	33	
#10	37	
#11	41	

- TABLE NOTES**
- TABLES ARE BASED A.C.I. 318. WHERE CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED IS AT LEAST 2 BAR DIAMETERS AND THE CLEAR COVER AT LEAST 1 BAR DIAMETER, USE CASE 1. USE CASE 2 FOR OTHER BAR ARRANGEMENTS.
 - ALL SPLICES TO BE CLASS "B" TENSION SPICE UNLESS OTHERWISE NOTED.
 - SPLICE PLAN WIRE FABRIC BY APPLYING ONE FULL MESH SPACE PLUS 2 INCHES.
 - FOR TOP BARS, MULTIPLY LENGTHS IN TABLE BY 1.3.
 - FOR EPOXY COATED REINFORCEMENT, MULTIPLY LENGTHS IN TABLE BY 1.3.
 - FOR LIGHT CONCRETE, MULTIPLY LENGTHS IN TABLE BY 1.3.
 - COMPRESSION DOWEL EMBEDMENT: 22 BAR DIAMETERS.

STRUCTURAL STEEL:

- STEEL SHALL CONFORM TO THE FOLLOWING GRADES:
 - ALL WIDE FLANGE (I.U.C.I.) A992 GRADE 50 (F_y=50)
 - ALL CHANNEL, ANGLE, BASE PLATES, CONNECTION PLATES (U.N.O.) A36 (F_y=36)
 - STRUCTURAL PIPE: A53 (F_y=35)
 - STRUCTURAL HSS RECTANGULAR TUBE: A500 GRADE B (F_y=46)
 - STRUCTURAL HSS ROUND TUBE: A500 GRADE B (F_y=42)
- ALL STRUCTURAL STEEL SHALL BE DETAIL FABRICATED AND ERRECTED IN ACCORDANCE WITH THE A.S.C.I. CODE OF STANDARD PRACTICE (1982), EXCEPT AS MODIFIED IN THESE NOTES AND THE PROJECT SPECIFICATION.
- CONNECTIONS MAY BE BOLTED OR WELDED. THE FABRICATOR IS RESPONSIBLE FOR THE DESIGN OF CONNECTIONS NOT DESIGNED ON THE DRAWINGS. GENERALLY, CONNECTIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE SCHEMATIC AND ARE ONLY INTENDED TO SHOW THE RELATIONSHIP OF MEMBERS CONNECTED. ANY CONNECTION THAT IS SHOWN OR IS NOT COMPLETELY DETAILED ON THE STRUCTURAL DRAWINGS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT, RETAINED BY THE FABRICATOR. COMPLETELY DETAILED MEANS THE FOLLOWING INFORMATION IS SHOWN ON THE DETAIL:
 - ALL PLATE DIMENSIONS AND GRADES.
 - ALL WELD SIZES, LENGTHS, PITCHES, AND RETURNS.
 - ALL HOLE SIZES AND SPACINGS.
 - NUMBER AND TYPES OF BOLTS; WHERE BOLTS ARE SHOWN BUT NO NUMBER IS GIVEN, THE CONNECTION HAS NOT BEEN COMPLETELY DETAILED.
 - WHERE PARTIAL INFORMATION IS GIVEN, IT SHALL BE THE MINIMUM REQUIREMENT FOR THE CONNECTION.
- BEFORE FABRICATION, PROVIDE FOR RECORD COPY DESIGN CALCULATIONS FOR TYPICAL BEAM CONNECTIONS, ALL PRIMARY BRACING AND HANGER CONNECTIONS, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT. THIS SHALL BE SUBMITTED TO THE ENGINEER.

- CONNECTION DESIGN NOTES:**
- BEAMS, GREATER OF:
 - NUMBER OF TOTAL ALL-OVER UNIFORM LOAD CAPACITY FROM A.I.C. 9TH EDITION TABLES FOR ALLOWABLE LOADS ON BEAMS, W₀₈
 - 10 KIPS.
 - MOMENT CONNECTIONS INDICATED ON THE DRAWINGS SHALL BE USED FOR ALL BOLTED CONNECTIONS OF STEEL DECKING TO THE CORRECT LINE AND ELEVATION.
 - MAINTAIN TENSION INDICATED OF COLUMNS, DIAGONALS AND MEMBERS SUBJECT TO TENSION AT BOLT HOLES, NOTCHES, OR COPIES.
 - CONNECTION FORCE NOTATION:
 - P = AXIAL FORCE IN KIPS (+) TENSION, (-) COMPRESSION
 - V OR (V) = SHEAR IN KIPS
 - M = MOMENT IN FOOT KIPS
 - T = TORSION IN FOOT KIPS
 - LOADS SHOWN INCLUDE COMPENSATION FOR CODE PERMITTED LOAD REDUCTIONS FOR CONNECTION DESIGN.
 - THE MINIMUM PLATE THICKNESS SHALL BE 3/8".
 - BOLTED CONNECTIONS:
 - MINIMUM BOLT DIAMETER = 3/4"
 - SLIP CRITICAL CONNECTIONS OF A325SC OR A490SC BOLTS SHALL BE USED FOR ALL BOLTED CONNECTIONS OF BRACING MEMBERS, MOMENT CONNECTIONS, CANTILEVERS, AND AS SHOWN ON THE DRAWINGS. OVERSIZED AND LONG-SLOTTED HOLES ARE ALLOWED FOR SLIP CRITICAL CONNECTIONS.
 - ALL OTHER BOLTED CONNECTIONS SHALL BE BEARING TYPE USING A307 OR A490 BOLTS. OVERSIZED HOLES AND LONG-SLOTTED HOLES ARE NOT ALLOWED UNLESS SHOWN ON THE DRAWINGS.
 - ASOT BOLTS MAY BE USED WHERE INDICATED ON THE DRAWINGS.
 - PROTRUDING BOLT HEADS, SHAFTS OR NUTS SHALL NOT EXTEND INTO NOR PROHIBIT THE APPLICATION OF ARCHITECTURAL FINISHED AND THEY SHALL NOT EXTEND INTO NOR PROHIBIT THE PLACEMENT OF STEEL DECKING TO THE CORRECT LINE AND ELEVATION.
 - THE FABRICATOR IS RESPONSIBLE FOR VERIFYING THE TENSION CAPACITY OF ANCHORS AFTER A SECTION IS REDUCED FOR BOLT HEADS. MEMBER SIZE MAY BE INCREASED OR CONNECTION PLATES ADDED AS REQUIRED.
 - SHOP DRAWINGS SHALL INDICATE THE TYPE OF BOLT USED IN EACH CONNECTION AND THE ALLOWABLE VALUES USED FOR THE VARIOUS BOLT TYPES.

DRAWING INDEX

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S2.1	ROOF FRAMING PLAN
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S3.1	FRAMING SECTIONS

WOOD HEADER SCHEDULE					
MARK	LENGTH	HEADER	JACK STUDS	KING STUDS	REMARKS
H1	SEE ARCH	2-2x8	1	1	
H2	SEE ARCH	2-2x8	1	2	LVL E+2.0
H3	SEE ARCH	2-1 3/4x8 1/4	1	2	LVL E+2.0
H4	SEE ARCH	2-1 3/4x4	2	3	LVL E+2.0

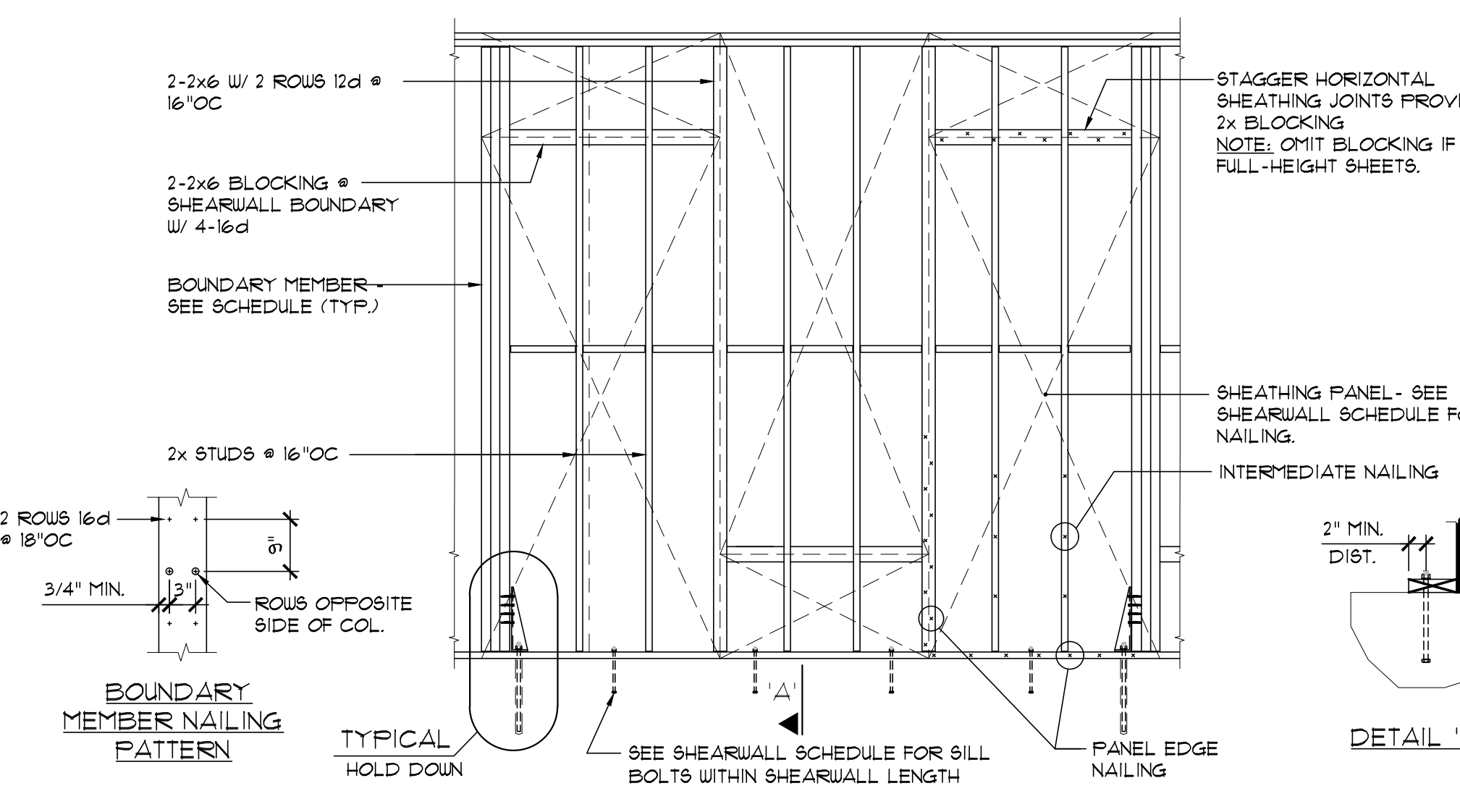
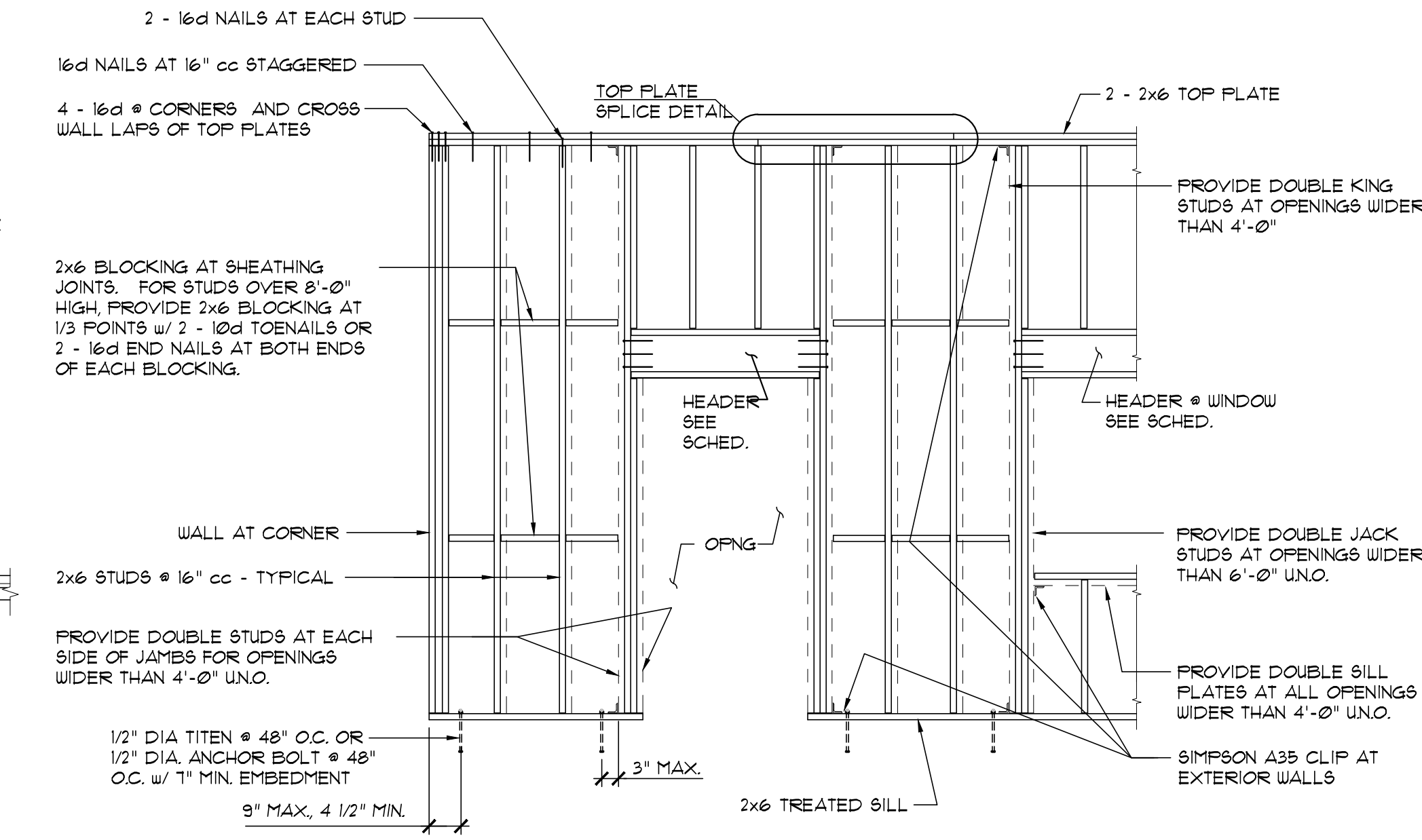
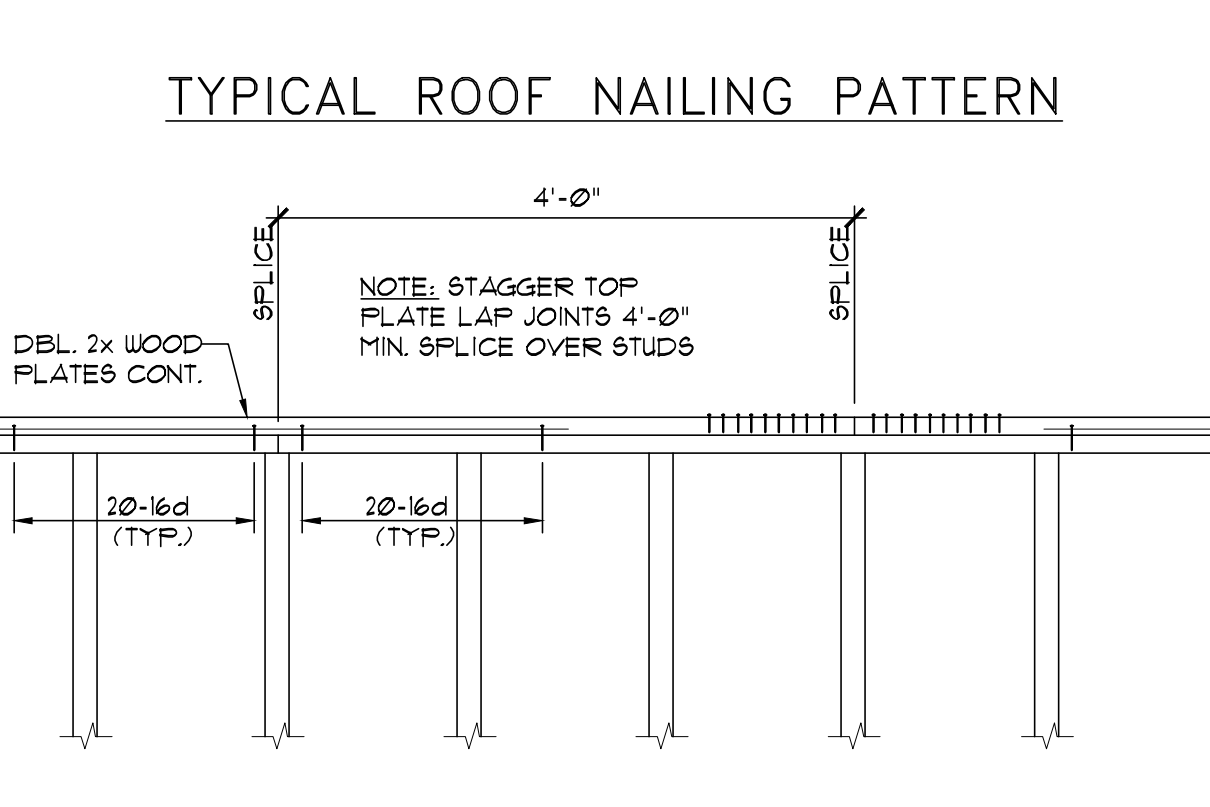
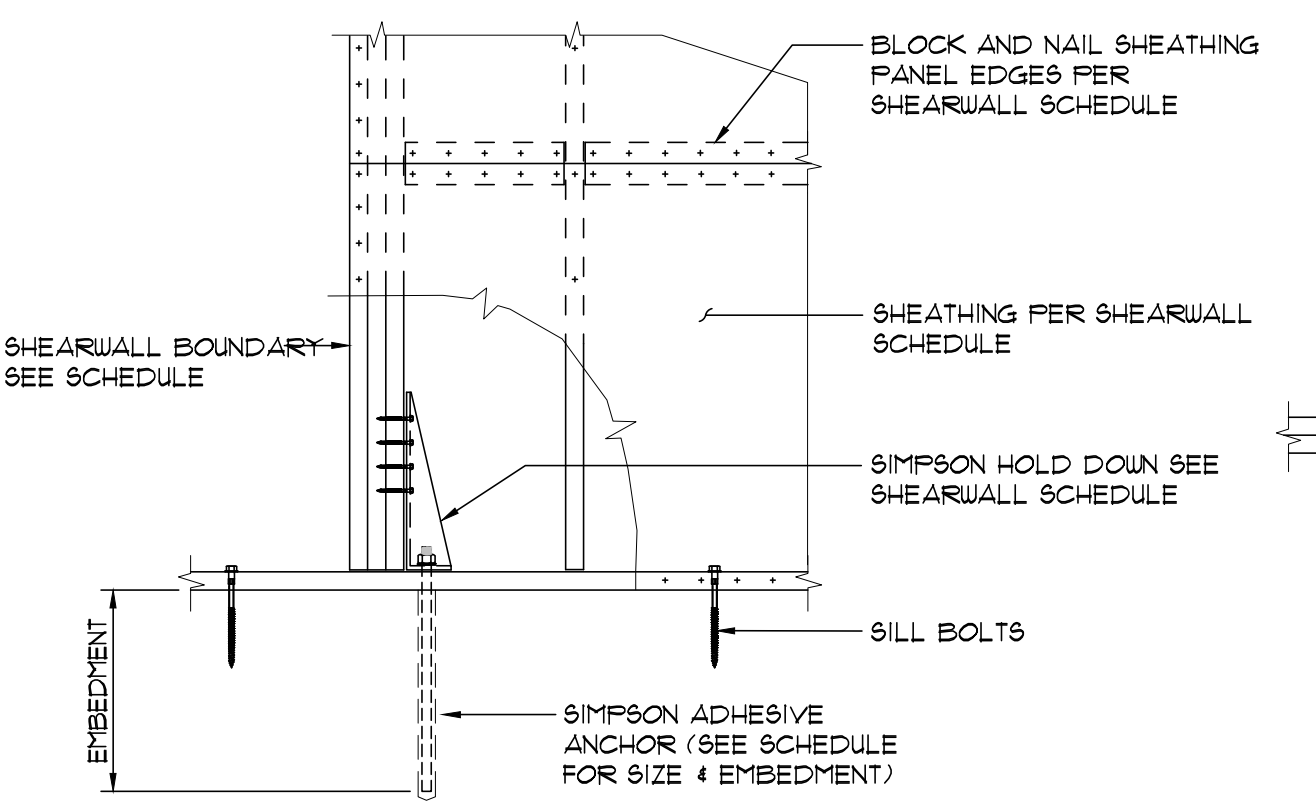
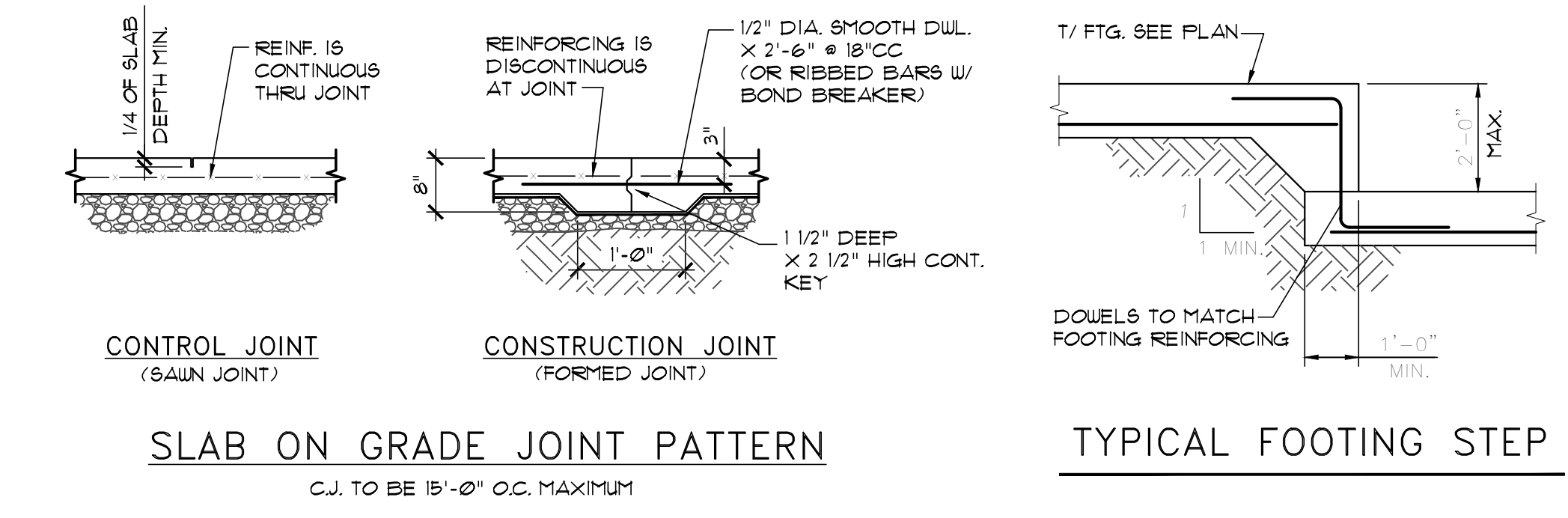
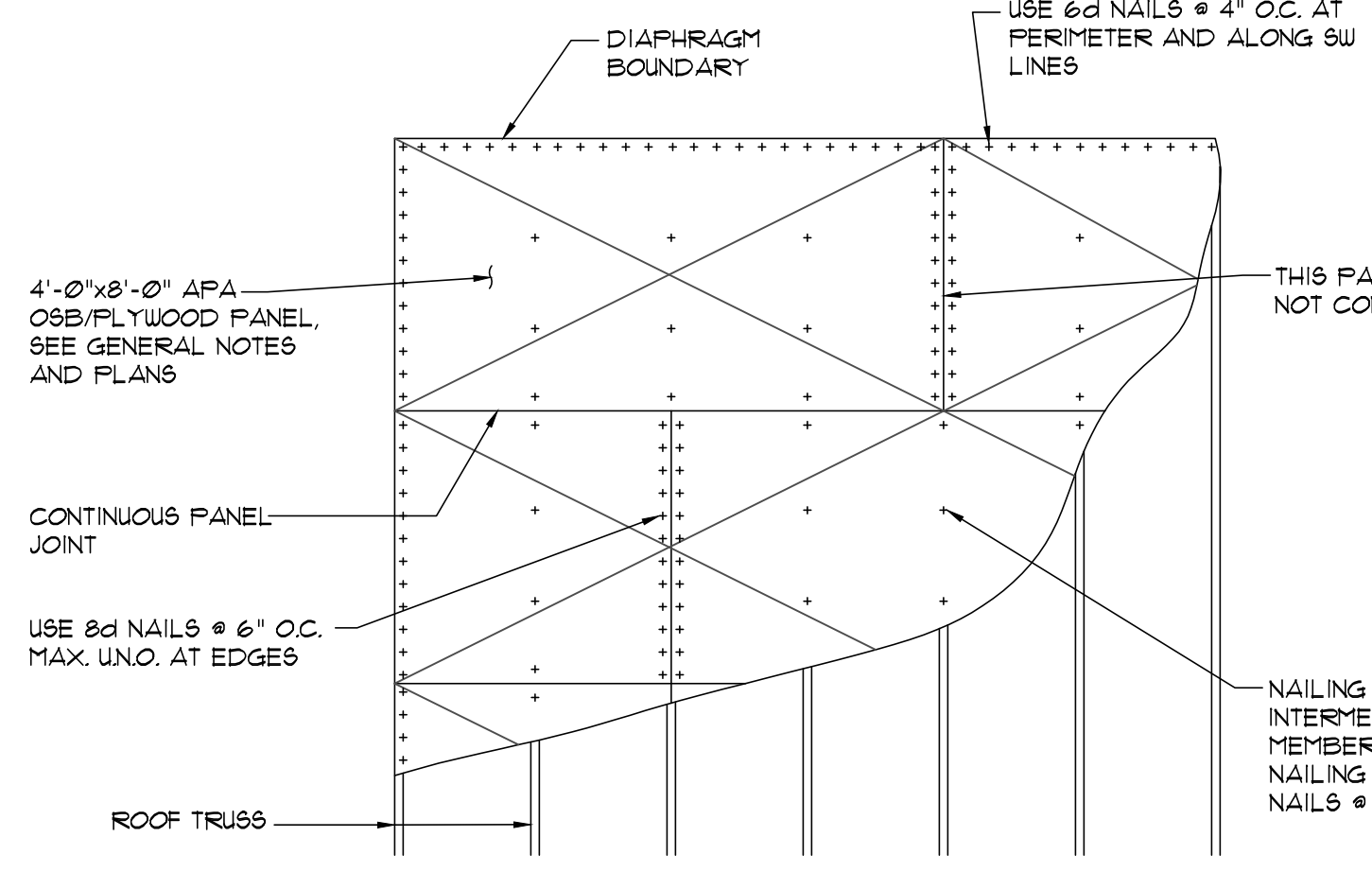
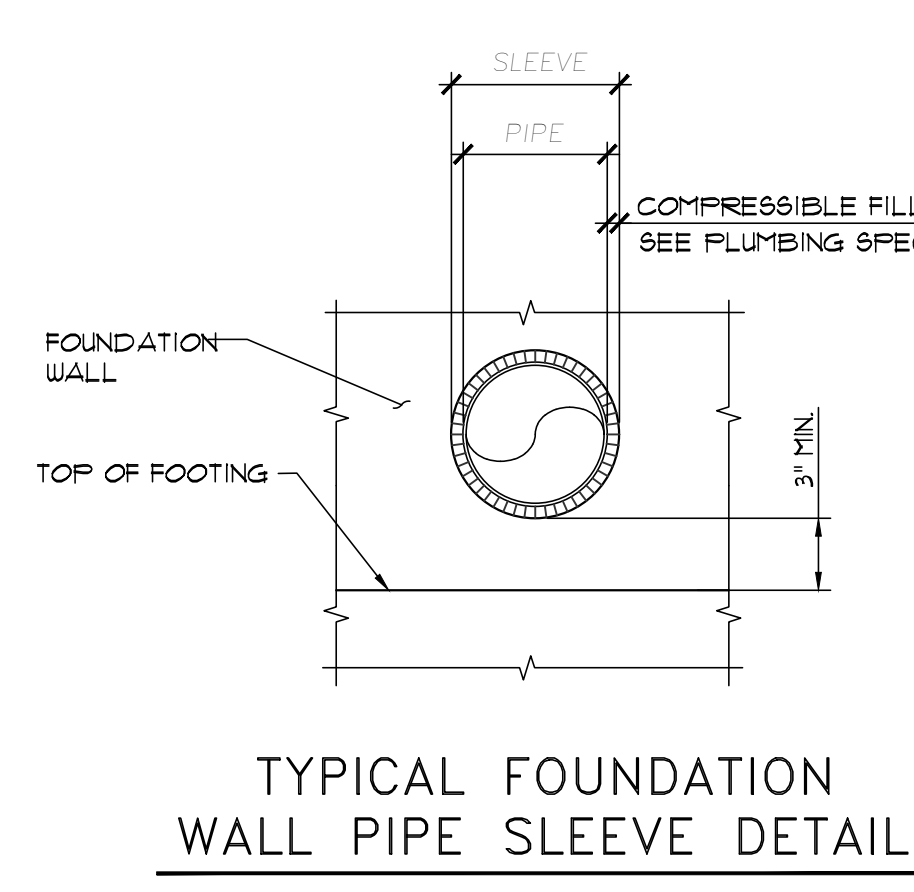
WOOD COLUMN SCHEDULE		
MARK	COL. SIZE	REMARKS
C1	3 - 2x6	
C2	4 - 2x6	
C3	6x6 SIMPSON MPB66Z	
C4	6x6 SIMPSON AB466Z	

STUD WALL SCHEDULE			
LOAD BEARING WALLS			
HEIGHT	SIZE	SPECIES	
10'-0"	2x6	SYP #1/2	
10'-0"	2x4	# 5TP	

SHEAR WALL SCHEDULE								
SHEAR WALL #	SHEATHING	FASTENER	SPACING	SILL BOLT	HOLDDOWN	ANCHOR ROD SIZE	MINIMUM EMBEDMENT	REMARKS
SW-1	7/8"	#6	6"	1/2" # 3/2"OC	HDU4	5/8" DIA.	10"	
SW-2	7/8"	#6	4"	1/2" # 16"OC	HDU4	5/8" DIA.	10"	
SW-3	7/8"	#6	3"	5/8" # 12"OC	HDUB	7/8" DIA.	12"	PROVIDE 3x3 WASHERS

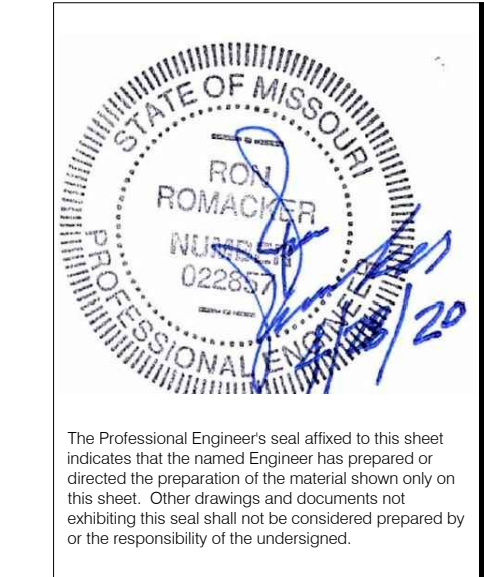
- NOTES:**
- EPOXY: SIMPSON SET-XP OR APPROVED EQUAL.
 - TITEN SILL BOLTS: 3/8" DIA. x 3", 1/2" DIA. x 4", 5/8" DIA. x 6".
 - ALL SHEATHING SHALL BE 7/8" APA RATED SHEATHING.

- CONCRETE**
- DETAILING, FABRICATION AND REINFORCING STEEL -- PER LATEST CRSI MANUAL OF STANDARD PRACTICE.
 - REINFORCING STEEL -- ASTM A615, GRADE 60.
 - MINIMUM 28 DAY CONCRETE STRENGTH -- 4000 PSI, UNLESS NOTED OTHERWISE.
 - LAP FOR CONTINUOUS REINFORCING BARS -- 6" DIAMETERS, BUT NOT LESS THAN 2'-0" LAP BOTTOM REINFORCING AT SUPPORT.
 - MINIMUM CONCRETE COVER FOR REINFORCING BARS:
 - SLABS (EXCEPT SLABS ON GRADE) -- 1"
 - BEAMS AND COLUMNS -- 1 1/2"
 - TIES OR STIRRUPS -- 1"
 - WALLS -- 1 1/2" EXTERIOR FACE, 1" INTERIOR FACE
 - CONCRETE CAST AGAINST EARTH -- 3"
 - BLOCKING, SLEEVES, BOLTS, AND ANCHORS REQUIRED TO BE SET IN CONCRETE OR TO BE ATTACHED TO STEEL -- PER ARCHITECTURAL AND MECHANICAL DRAWINGS.
- FOUNDATION**
- SOIL BEARING PRESSURE -- 2000 PSF. REF. JACOBI GEOTECHNICAL REPORT NO. JGE 19119.1, DATED JULY 17, 2019.
- SITING**
- BACKFILL SHALL BE FREE OF DEBRIS AND LARGE ROCKS.
 - SLOPE GRADE AWAY FROM BUILDING AT 1 INCH PER FOOT MINIMUM FOR A DISTANCE OF 8'-0" MINIMUM OR TO SWALE. ADDITIONAL VERTICAL UNITS MAY BE REQUIRED TO ACCOUNT FOR SETTLEMENT OF BACKFILL AT THE IMMEDIATE PERIMETER OF THE FOUNDATION.
 - PROVIDE CONCRETE SPLASH BLOCKS AT ALL DOWNSPOUTS. DOWNSPOUTS DISCHARGE SHALL BE DIRECTED AWAY FROM THE FOUNDATION.
 - FINISHED GRADES AT BUILDING TO BE A MINIMUM OF 8" BELOW TOP OF FOUNDATION FOR WOOD FRAME WALLS AND 6" MINIMUM BELOW FOR FULL MASONRY WALLS.
 - SILTATION AND EROSION CONTROL MEASURES MUST BE PROVIDED TO PREVENT SILTATION/EROSION FROM LEAVING THE CONSTRUCTION SITE.



TYPICAL WALL FRAMING

SEE GENERAL NOTES FOR WOOD FRAMING ON SHEET S1.0.



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BID PACKAGE	02/12/20
CODE COORD. REVIEW	4/28/20
COUNTY PLAN REVIEW	5/19/20

PROJECT NUMBER:
18036.00

GENERAL NOTES AND STANDARD DETAILS

\$1.0

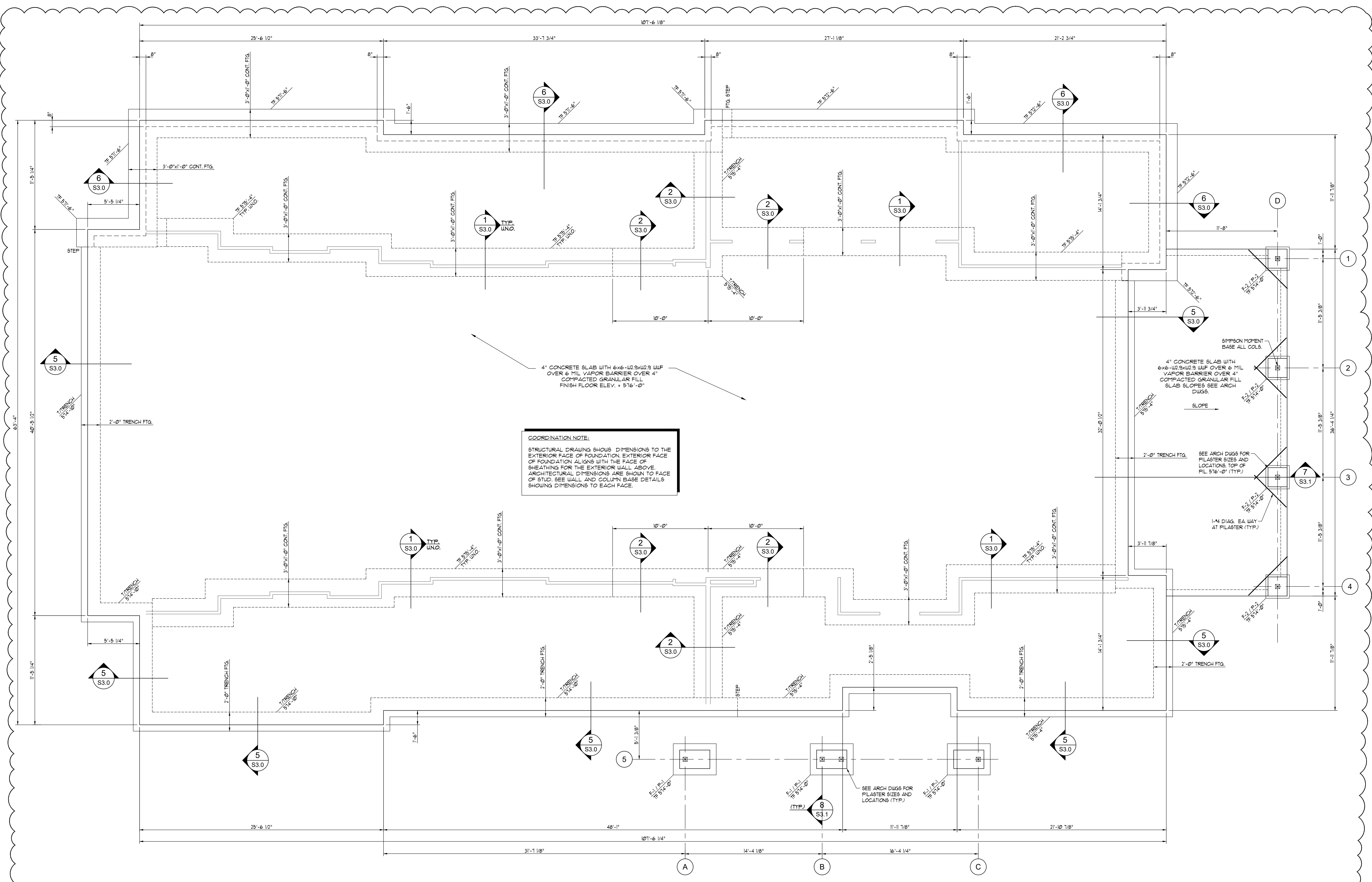
The Professional Engineer's seal and affix to this sheet indicates that the named Engineer has prepared or checked the preparation of the material shown only on this sheet. Other drawings and documents not including this seal shall not be considered prepared by or the responsibility of the engineering.

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COORDINATION NOTE:
 STRUCTURAL DRAWING SHOWS DIMENSIONS TO THE EXTERIOR FACE OF FOUNDATION, EXTERIOR FACE OF SHEATHING FOR THE EXTERIOR WALL, ABOVE ARCHITECTURAL DIMENSIONS ARE SHOWN TO FACE OF STUD, SEE WALL AND COLUMN BASE DETAILS SHOWING DIMENSIONS TO EACH FACE.

FOOTING SCHEDULE		
MARK	FOOTING SIZE	BOTTOM REINFORCING EACH WAY - UNO.
F-1	4'-0" x 5'-0" x 1'-0"	5 # 12" O.C.
F-2	3'-0" x 3'-0" x 1'-0"	5 - #5

PILASTER SCHEDULE		
MARK	FOOTING SIZE	REINFORCING UNO.
P-1	SEE ARCH	SEE S3.0
P-2	2'-0" x 2'-0"	

FOUNDATION AND SLAB ON GRADE PLAN

- PLAN NOTES:**
- SEE SHEET S1.0 FOR STRUCTURAL GENERAL NOTES AND STANDARD DETAILS.
 - TOP OF FOOTING (T.F.) ELEVATION IS NOTED ON THE PLAN.
 - "F-#" DENOTES COLUMN FOOTING DESIGNATION. SEE FOOTING SCHEDULE THIS SHEET.
 - "P-#" DENOTES CONCRETE PILASTER TYPE. SEE PILASTER SCHEDULE THIS SHEET.
 - "C.J." DENOTES SLAB CONSTRUCTION/CONTROL JOINT. SEE DETAILS ON S3.0.
 - UNLESS NOTED OTHERWISE, ALL SLABS ON GRADE TO BE 4" THICK CONCRETE SLAB ON 4" COMPACTED GRANULAR FILL OVER 6 MIL VAPOR BARRIER. REINFORCE SLABS WITH 6x6-1/2 3x1/2 3 WUF. SEE PLANS FOR FINISH SLAB ELEVATIONS.
 - SEE SHEET S2.1 FOR SHEAR WALL LOCATIONS.
 - COORDINATE AND VERIFY ALL DIMENSIONS WITH ARCHITECT'S DRAWINGS PRIOR TO COMMENCING CONSTRUCTION.

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FOUNDATION AND SLAB ON GRADE PLAN

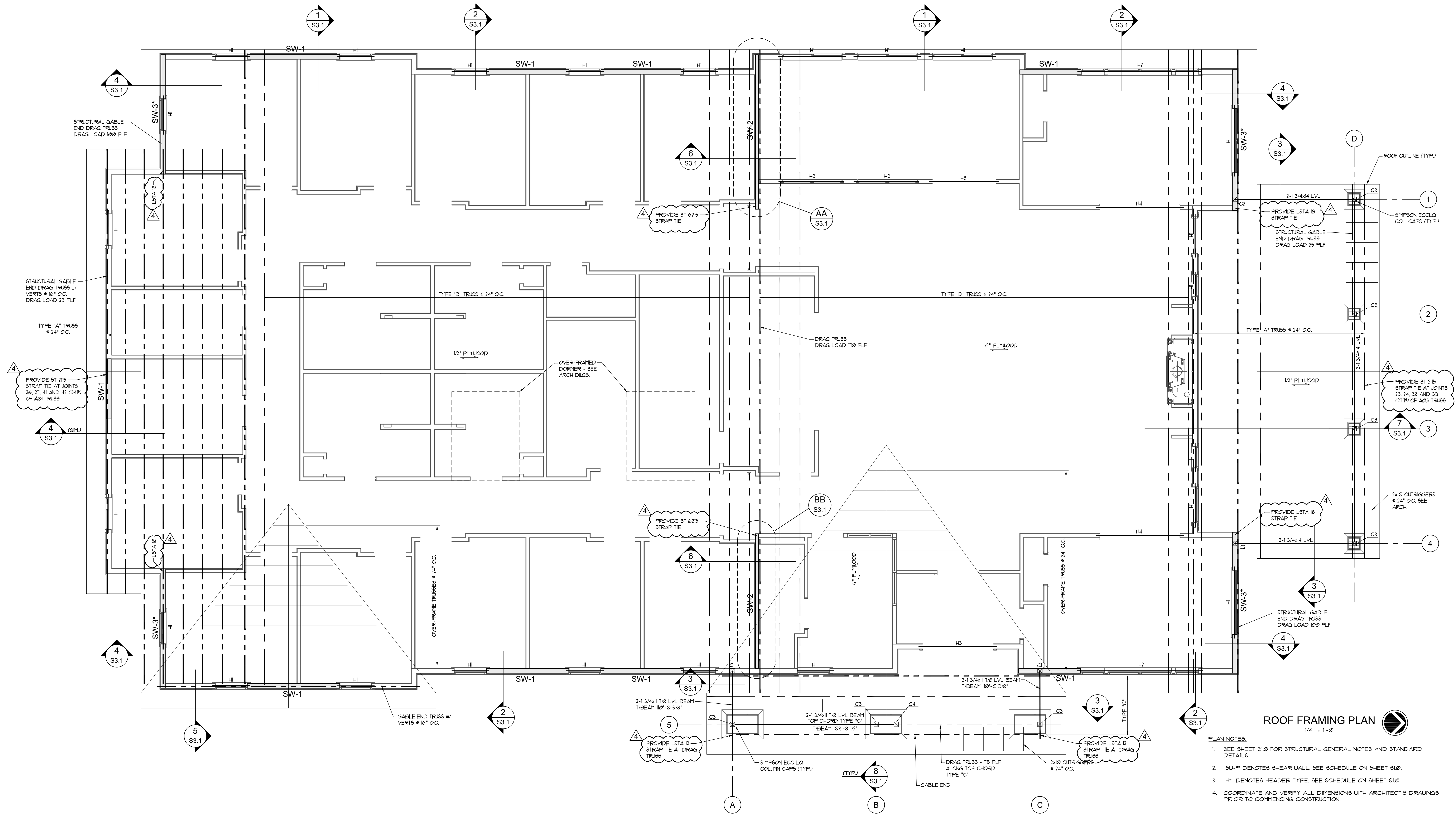
S2.0

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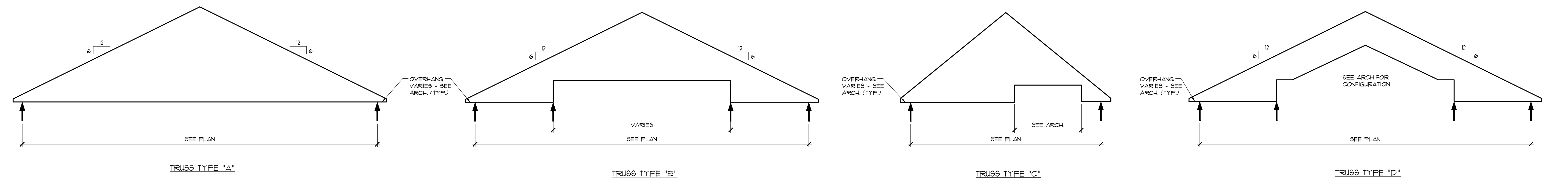
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ROOF FRAMING PLAN
 1/4" = 1'-0"

- PLAN NOTES:
- SEE SHEET 910 FOR STRUCTURAL GENERAL NOTES AND STANDARD DETAILS.
 - "SW-" DENOTES SHEAR WALL. SEE SCHEDULE ON SHEET 910.
 - "H" DENOTES HEADER TYPE. SEE SCHEDULE ON SHEET 910.
 - COORDINATE AND VERIFY ALL DIMENSIONS WITH ARCHITECT'S DRAWINGS PRIOR TO COMMENCING CONSTRUCTION.



ROOF TRUSS TYPES
 1/8" = 1'-0"



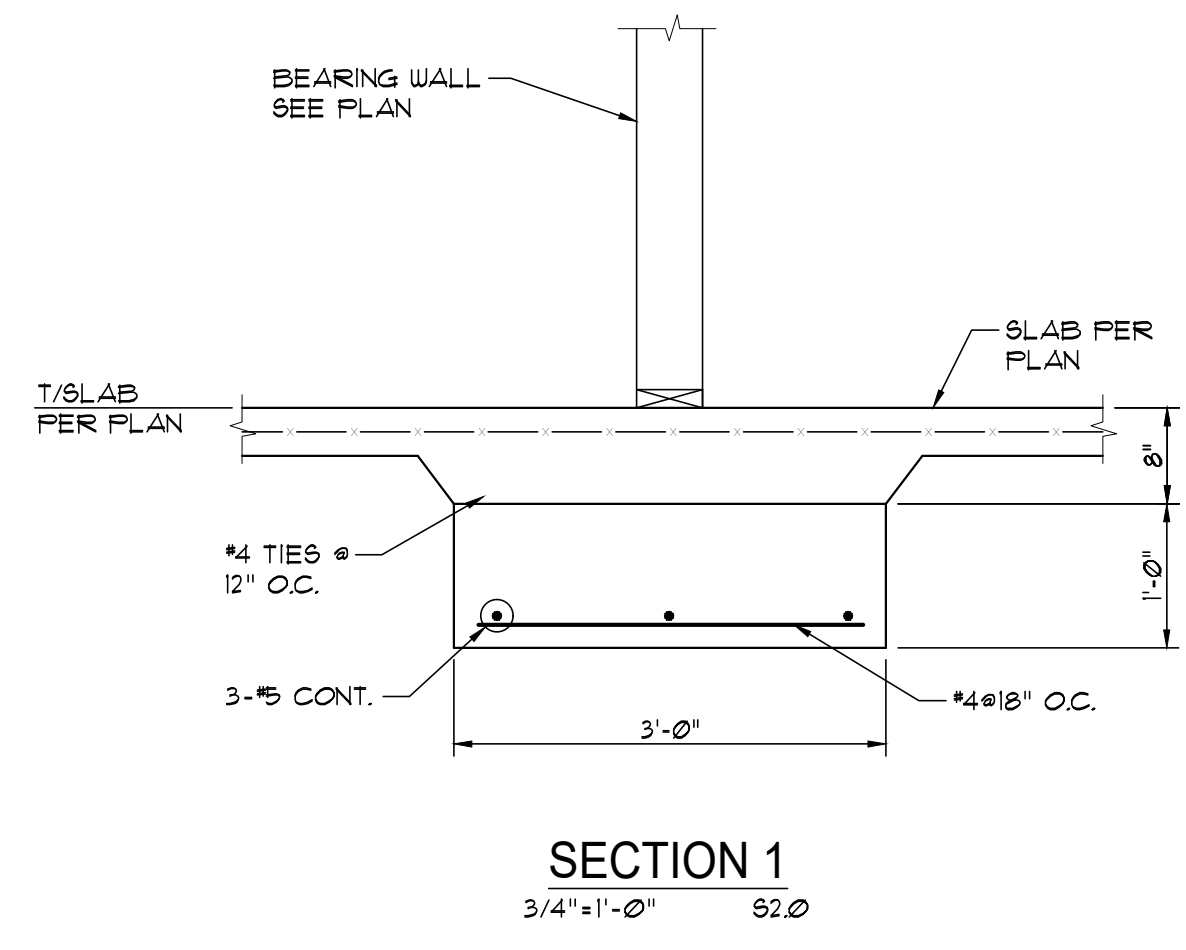
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ADDED ROOF TRUSS TIES	6/17/20

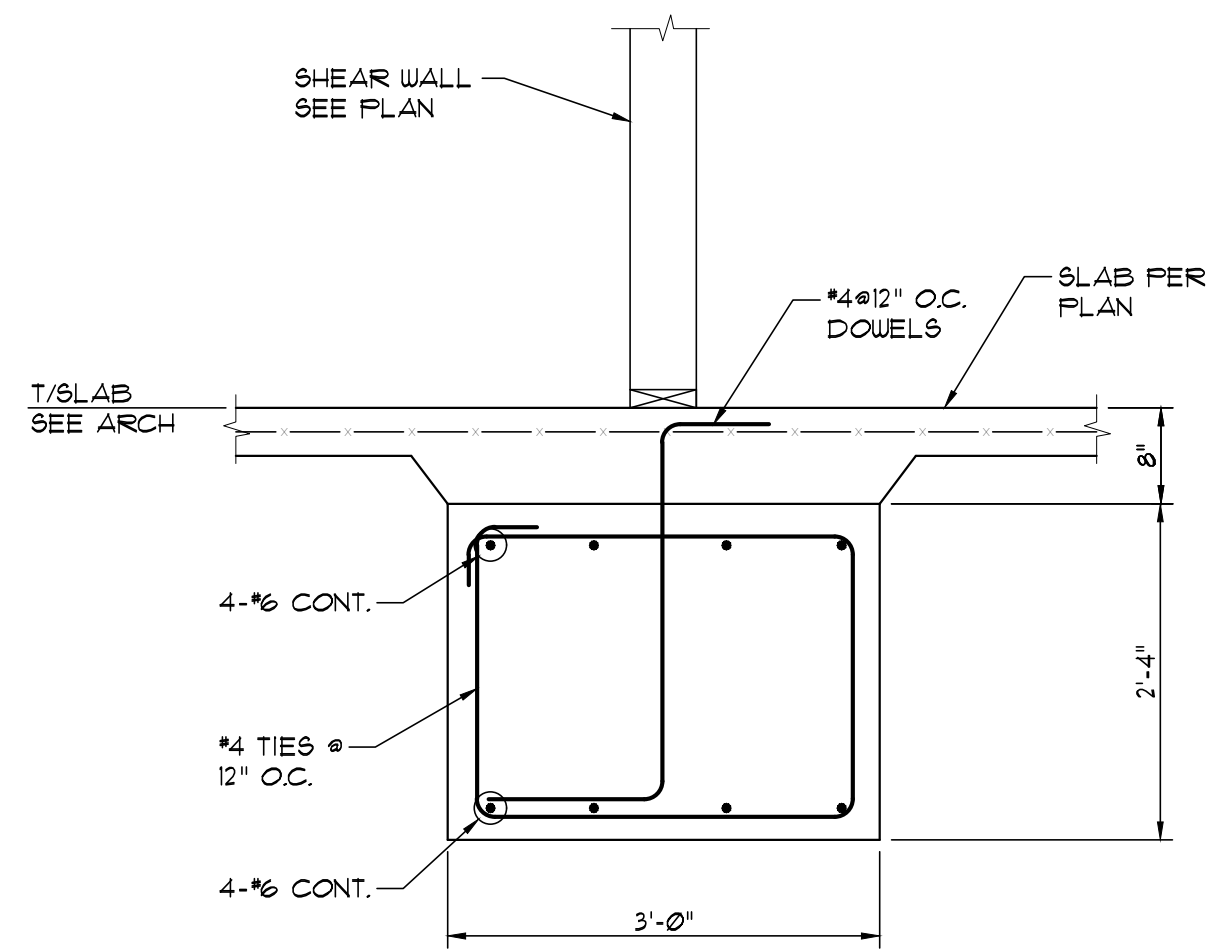
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ROOF FRAMING PLAN AND ROOF TRUSS TYPES

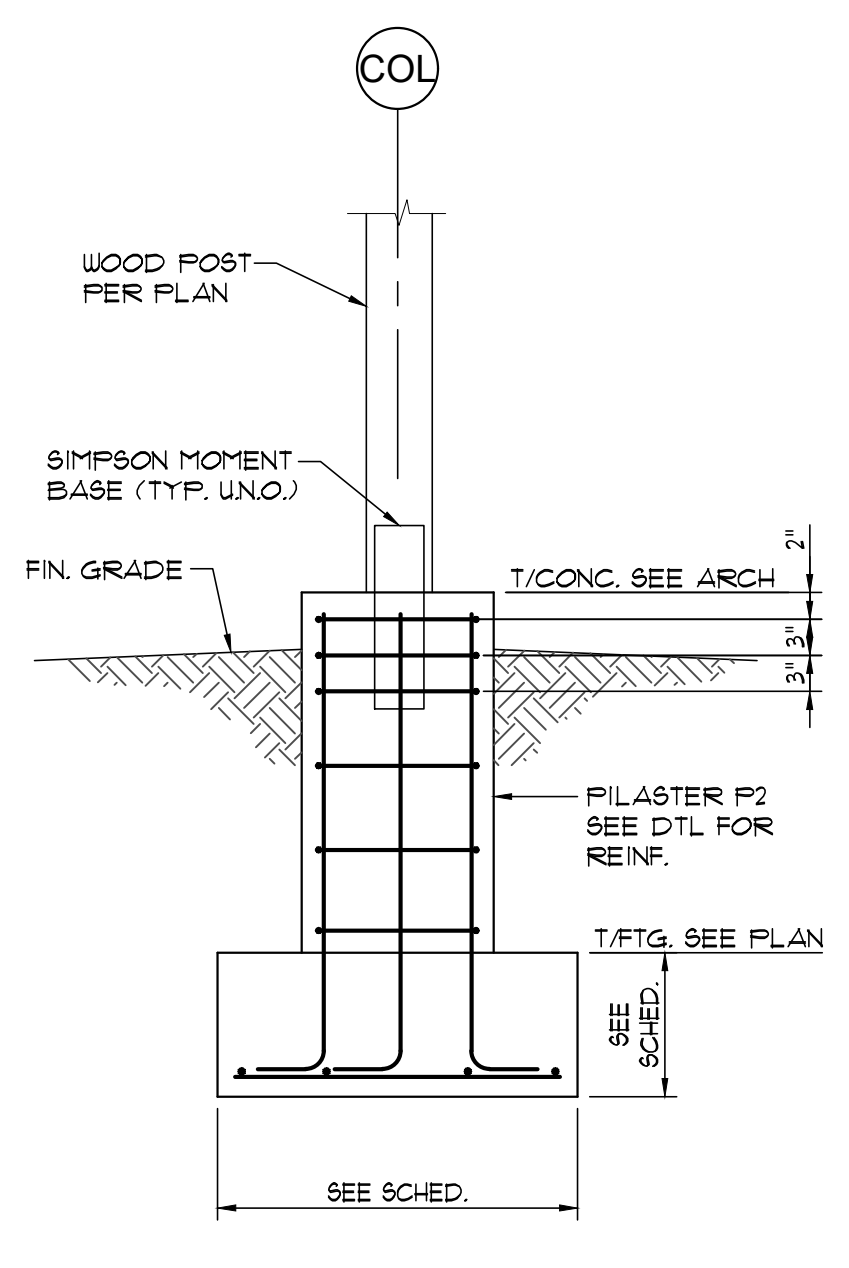
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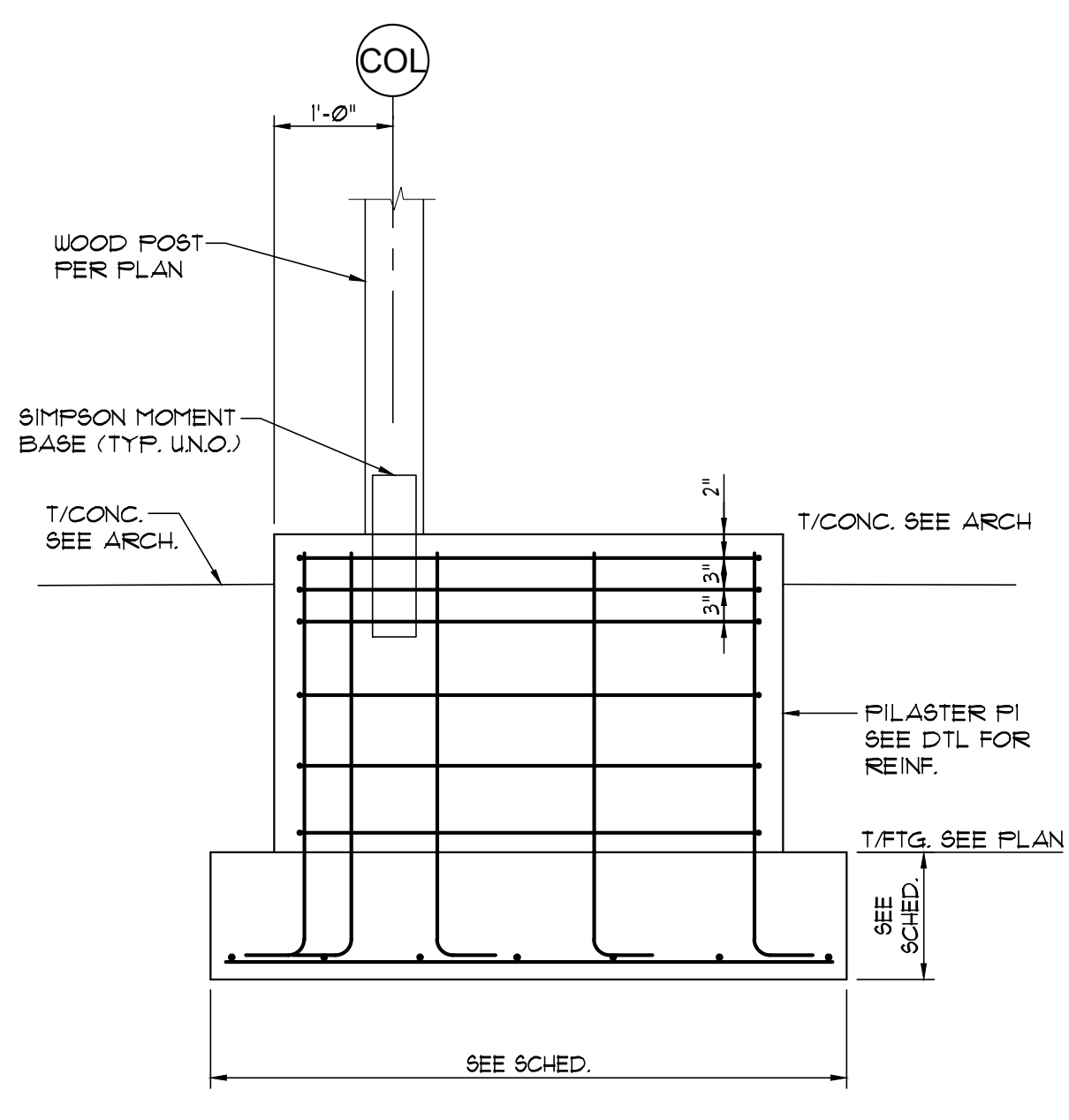
SECTION 1
3/4"x1'-0" 5/2"Ø



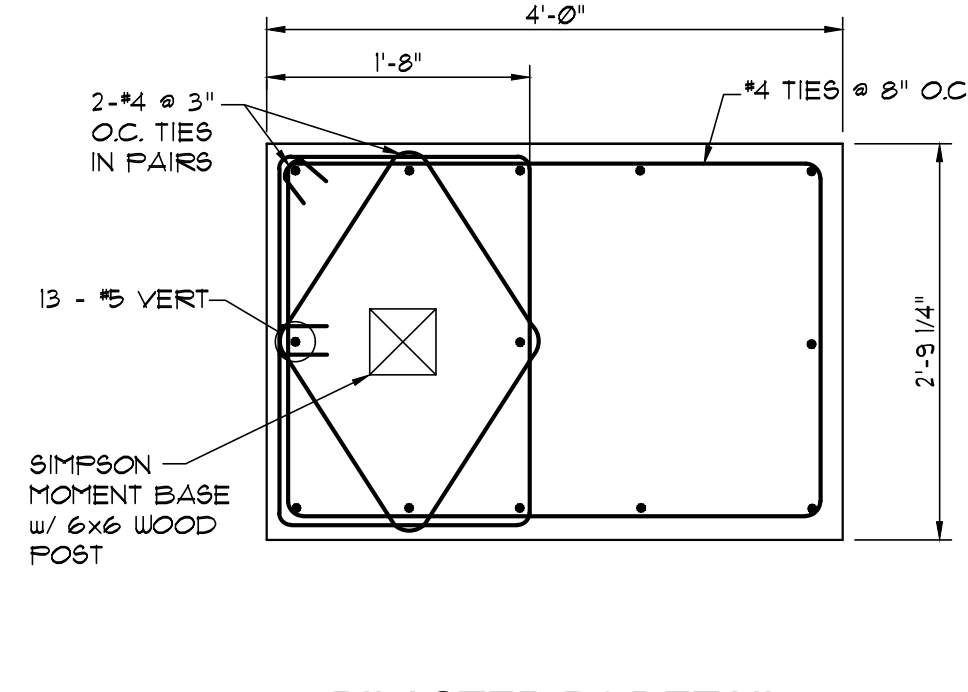
SECTION 2
3/4"x1'-0" 5/2"Ø



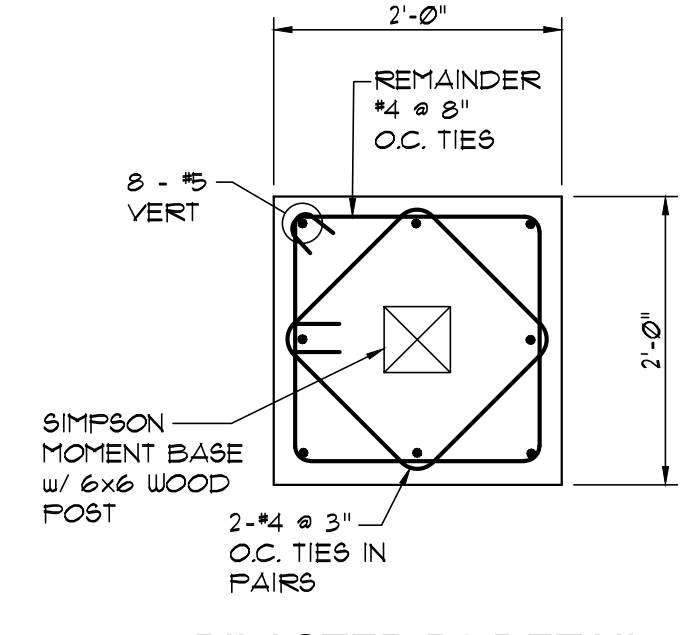
SECTION 3
3/4"x1'-0" 5/2"Ø



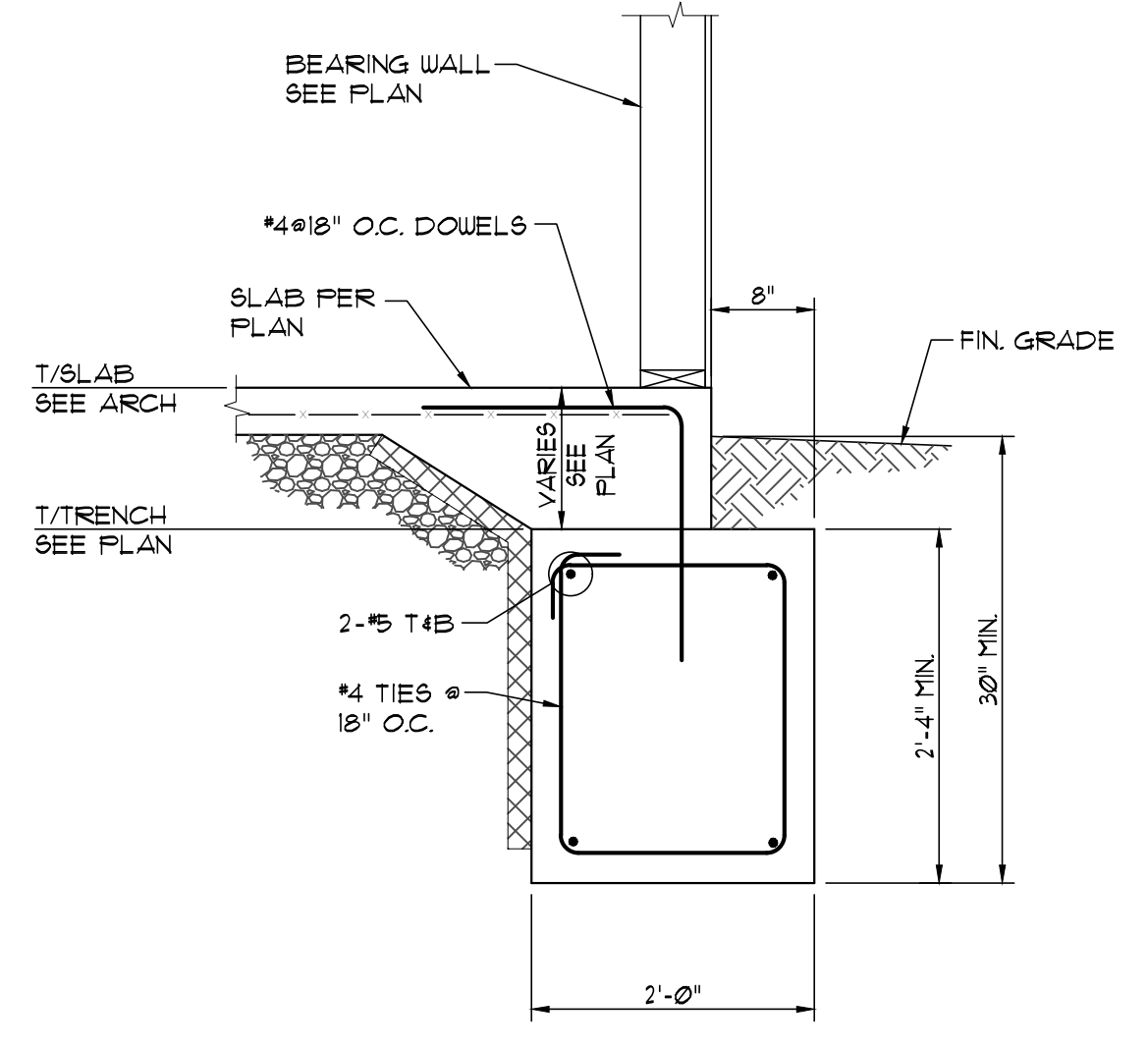
SECTION 4
3/4"x1'-0" 5/2"Ø



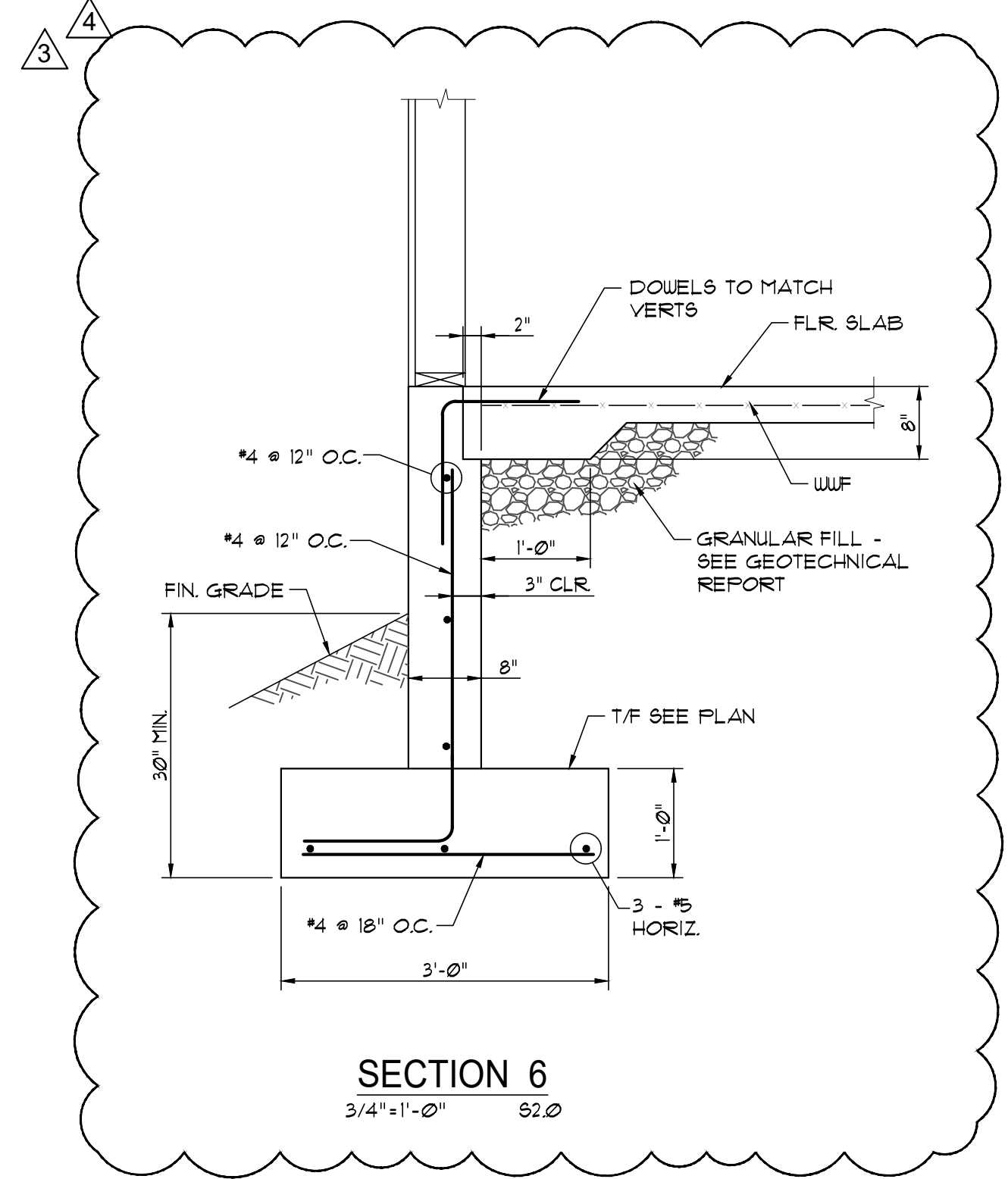
PILASTER P1 DETAIL
3/4"x1'-0" 5/2"Ø



PILASTER P2 DETAIL
3/4"x1'-0" 5/2"Ø



SECTION 5
3/4"x1'-0" 5/2"Ø



SECTION 6
3/4"x1'-0" 5/2"Ø

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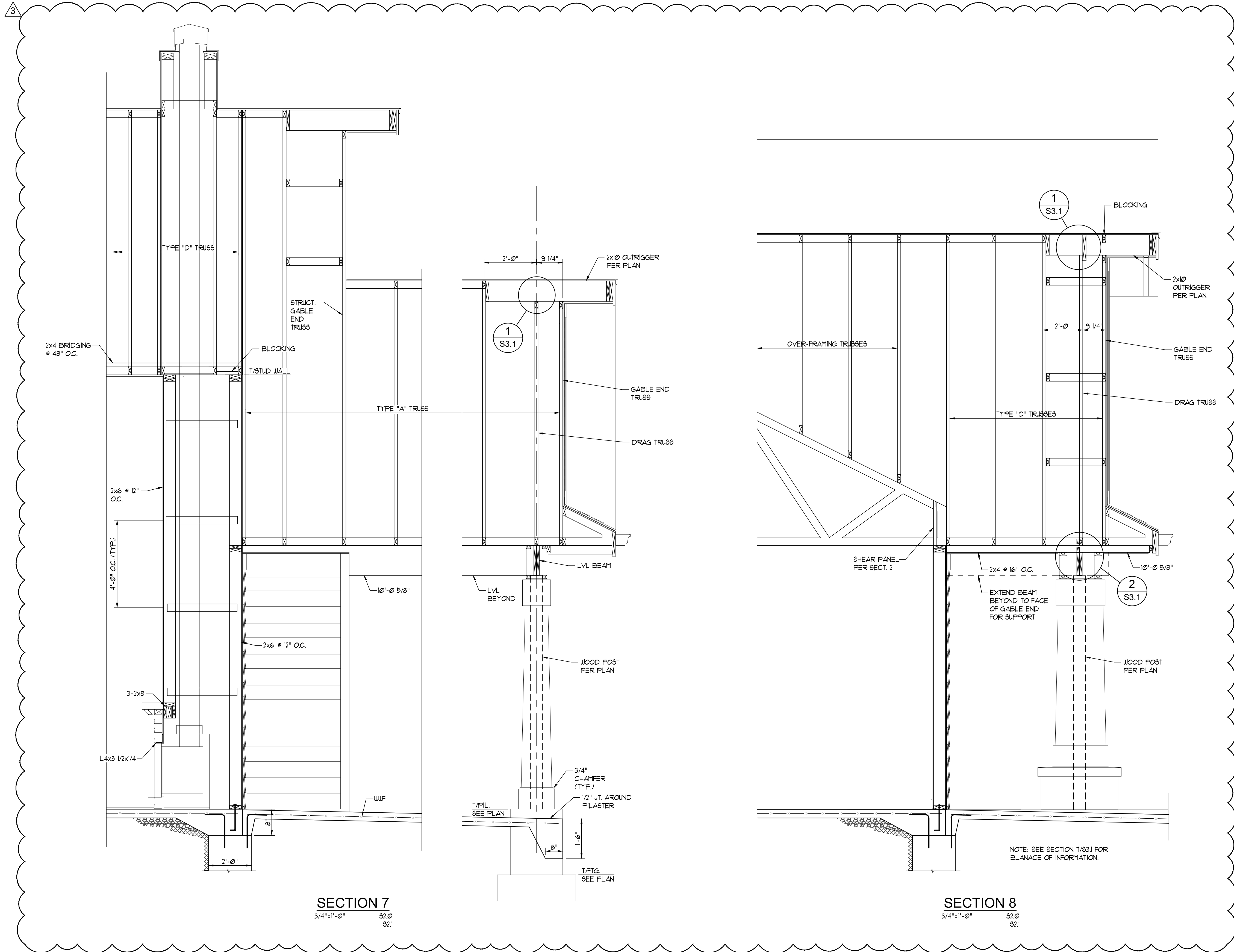
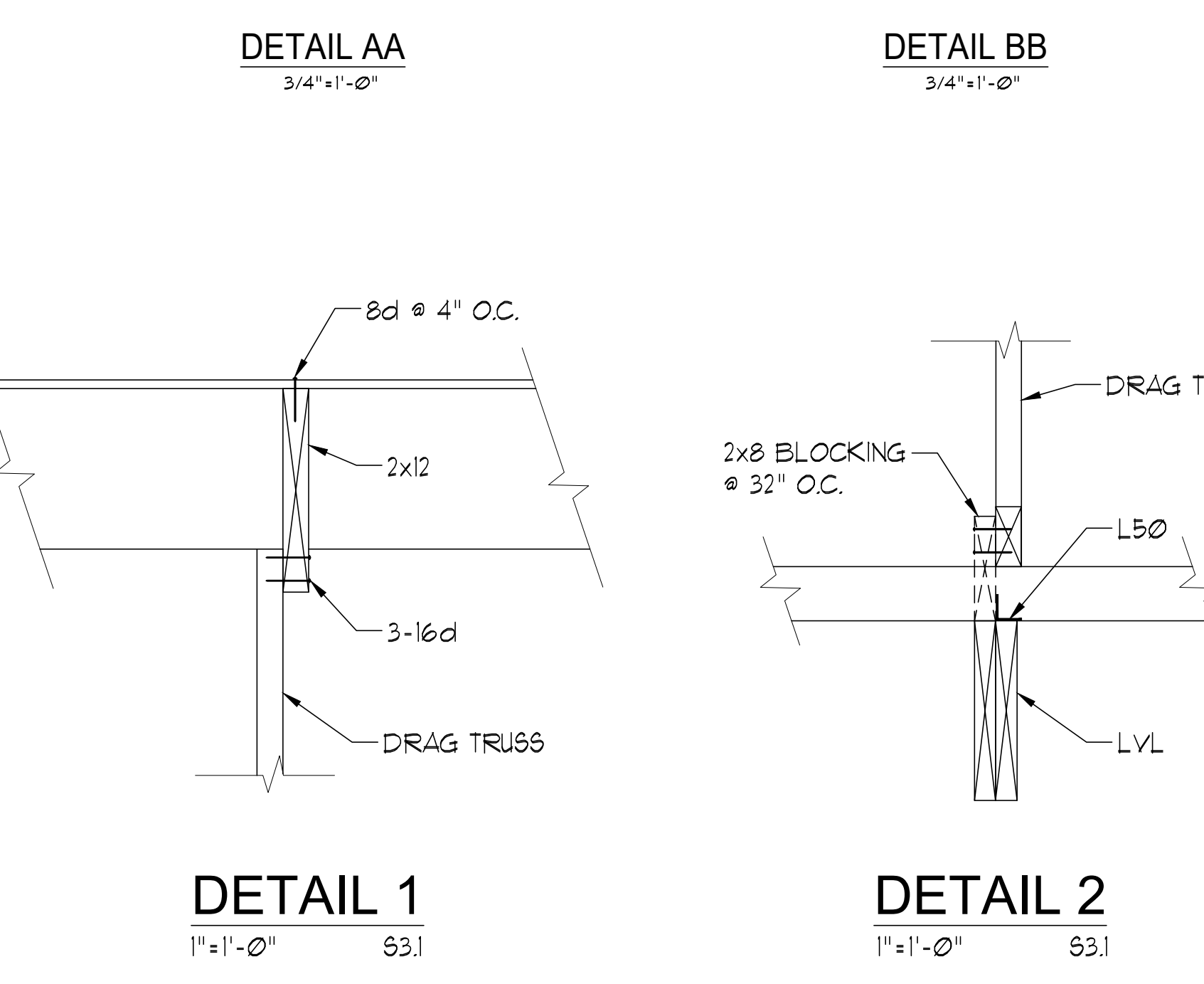
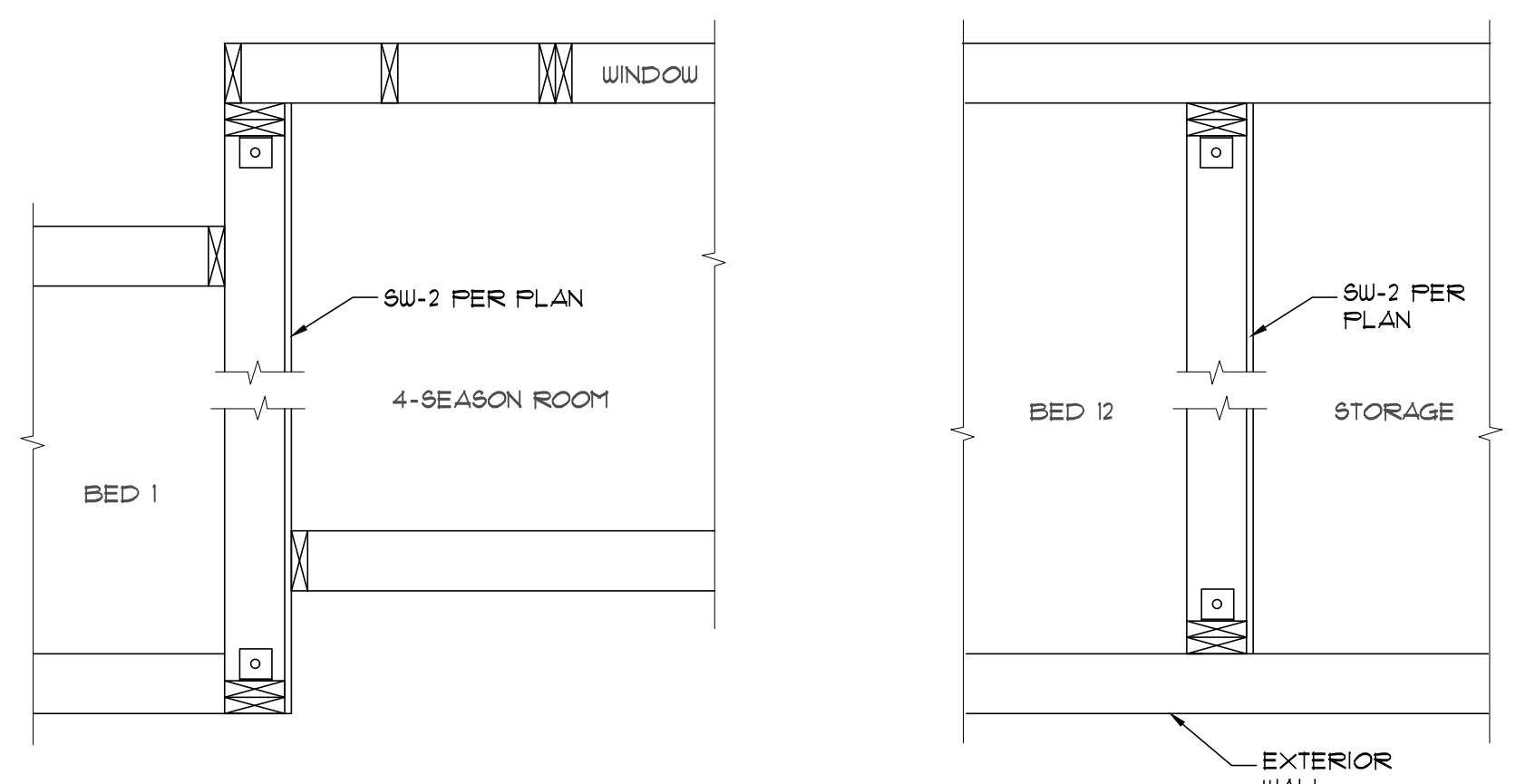
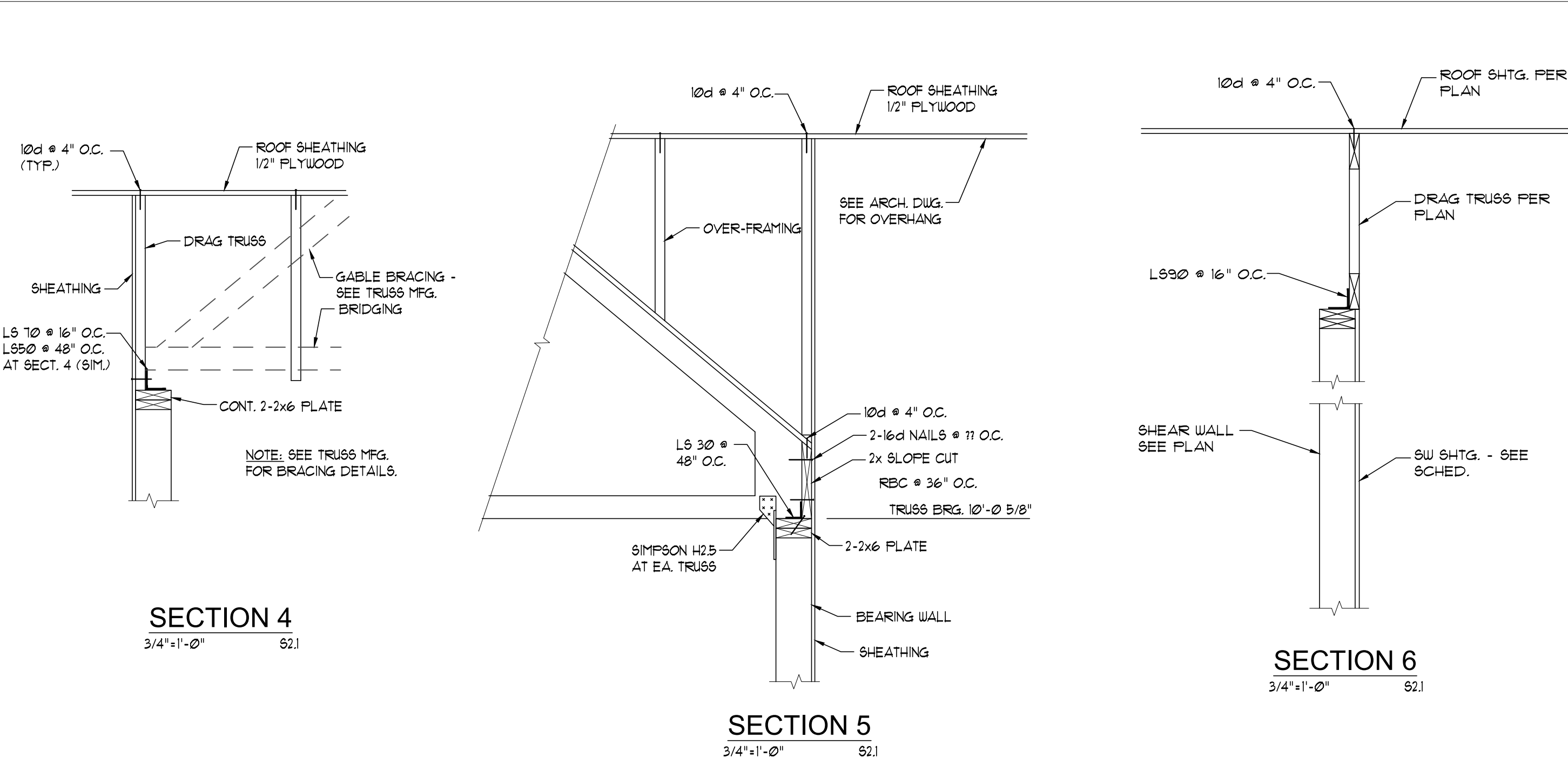
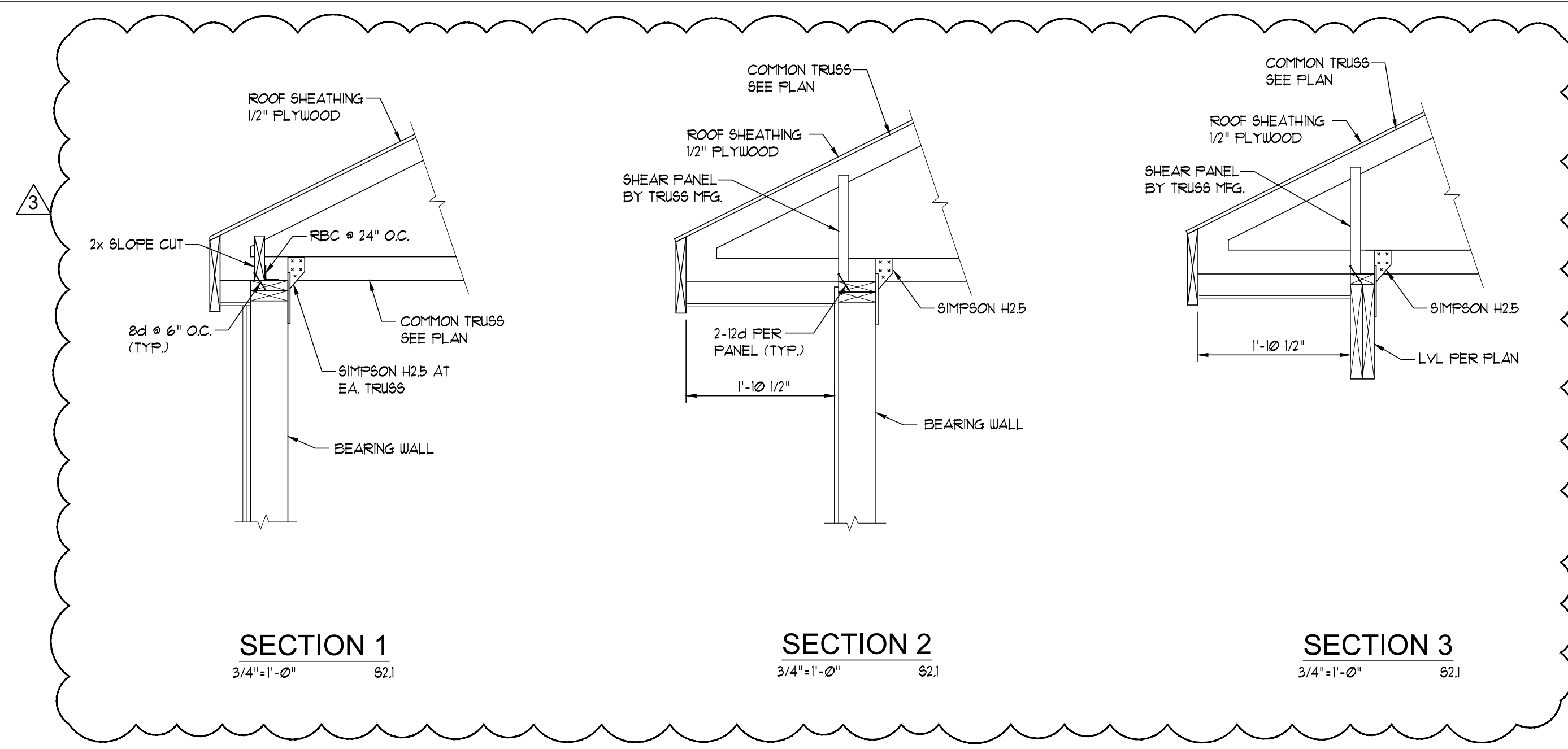
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BID PACKAGE	02/12/20
COUNTY PLAN REVIEW	5/19/20
ARCH. COORDINATION	6/17/20

PROJECT NUMBER:
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SECTIONS AND DETAILS

S3.0



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SECTIONS AND DETAILS

S3.1