

HEITER RESIDENCE FOUNDATION ENGINEERING  
29550 CO RD 14D  
STEAMBOAT SPRINGS,  
CO 80487

REVIEWED  
FOR CODE  
COMPLIANCE  
03/07/2023

MARTIN/MARTIN PROJECT NO. 21.0119.S.01  
100% CONSTRUCTION DOCUMENTS  
5/27/2022

AERIAL PHOTO



VICINITY MAP



CONSULTANT

**MARTIN/MARTIN**  
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DRAWING INDEX

SHEET NUMBER	SHEET TITLE
S001	NOTES
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S200	ELEVATIONS
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S302	DETAILS

OWNER'S REPRESENTATIVE

EMPIRE WEST HOLDINGS, LLC

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STEEL NOTES

1) CONNECTIONS:  
1A) PROVIDE CONNECTIONS AS SHOWN IN THE 'STEEL BEAM CONNECTION SCHEDULES' AND DETAILS HEREIN.

2) STEEL MATERIALS:  
2A) SEE 'STEEL MATERIAL TABLE'

3) WELDING REQUIREMENTS:  
3A) WELDERS: HAVE IN POSSESSION CURRENT EVIDENCE OF PASSING THE APPROPRIATE AWS. QUALIFICATION TESTS.  
  
3B) MINIMUM WELDS: AISC SPECIFICATION, NOT LESS THAN 3/16" FILLET, CONTINUOUS UNLESS OTHERWISE NOTED.  
  
3C) WELD SIZES AND LENGTHS CALLED FOR ON THE DRAWINGS ARE THE NET EFFECTIVE REQUIRED. INCREASE WELD SIZE IF GAPS EXIST AT THE FAYING SURFACE.  
  
3D) FIELD WELDING SYMBOLS INDICATE SEQUENCE CONSIDERED DURING DESIGN. THE CONTRACTOR SHALL REQUEST APPROVAL FROM THE ENGINEER TO MODIFY WELD INSTALLATION LOCATION INDICATED ON THE DOCUMENTS:  
- FROM SHOP TO FIELD  
- FROM FIELD TO SHOP

4) STRUCTURAL STEEL INSTALLATION:  
4A) UNLESS INDICATED OTHERWISE, SNUG TIGHTEN ALL JOINTS AS DEFINED BY AISC CONNECTIONS AS INDICATED BELOW SHALL BE PRETENSIONED PER TABLE J3.1 OF ANSII AISC 360-16  
- WHERE NOTED ON THE DRAWINGS AS "PT"

STEEL MATERIAL TABLE					
STEEL ELEMENT	ASTM/TYPE	Fy (KSI)	Fu (KSI)	COMMENTS	
ANCHOR RODS	F1554 GR 55	55	75	WELDABLE, HEAVY HEX HEADED	
BOLTS	F3125 - TYPE A325 OR F1852	--	120	BOLTS ARE 3/4" UNO, USE TENSION-CONTROLLED WHERE POSSIBLE	
OTHER SHAPES	A36	36	58	--	
PIPE	A53 GR B	35	60	--	
PLATES	A36	36	58	--	
RECT HSS	A500 GR C	50	62	--	
ROUND HSS	A500 GR C	46	62	--	
WELDING ELECTRODES, THICKNESS OF THINNER PART > 0.1 INCHES (12 GA)	E70			PER AWS	
WF, WT	A992	50	65	--	

POST INSTALLED ANCHOR NOTES
<b>1) PERSONNEL REQUIREMENTS:</b> 1A) THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED. SUBMIT DOCUMENTED CONFIRMATION THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL ANCHORS HAVE PASSED THE TRAINING COURSE PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS.  1B) PERSONNEL WHO WILL INSTALL HORIZONTAL OR UPWARDLY INCLINED ADHESIVE ANCHORS IN CONCRETE THAT SUPPORT SUSTAINED TENSION LOADS SHALL BE CERTIFIED BY THE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM. THESE ANCHORS ARE DESIGNATED WITH A (CERT) AFTER THE ANCHOR CALL OUT. SUBMIT DOCUMENTED CONFIRMATION THAT PERSONNEL HAVE PASSED THE TRAINING COURSE PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS.  <b>2) INSTALLATION REQUIREMENTS:</b> 2A) ALL POST-INSTALLED ANCHORS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS AND PER MANUFACTURER'S ON-SITE TRAINING.  2B) ALL ADHESIVE ANCHORS AND ADHESIVE ANCHORED REINFORCEMENT DESIGNS ARE FOR INSTALLATION IN THE FOLLOWING CONDITIONS, UNLESS NOTED OTHERWISE. WRITTEN APPROVAL MUST BE RECEIVED FROM ENGINEER PRIOR TO INSTALLATION IN ALTERNATE CONDITIONS. - DRY CONCRETE, UNLESS NOTED OTHERWISE. - CONCRETE TEMPERATURE AT TIME OF INSTALLATION THROUGH CURE TIME MUST BE WITHIN THE TEMPERATURE RANGE SPECIFIED IN MANUFACTURER'S PRINTED INSTALLATION INSTRUCTION FOR ADHESIVE GEL AND CURE TIMES. - ANCHOR HOLES TO BE HAMMER DRILLED AND CLEANED. - CONCRETE MUST BE AT LEAST 21 DAYS OLD BEFORE INSTALLATION OF ANCHORS. - HOLES TO BE CLEANED AND PREPARED IN STRICT ACCORDANCE WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS AND EVALUATION REPORT PRIOR TO ADHESIVE INJECTION.  2C) THE POSITION OF EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE SHALL BE LOCATED PRIOR TO INSTALLING POST INSTALLED ANCHORS OR REINFORCEMENT. EXISTING REINFORCEMENT SHALL BE LOCATED USING A SCANNER, GPR, X-RAY, CHIPPING OR OTHER MEANS. DO NOT DAMAGE OR CUT EXISTING REINFORCEMENT.  <b>3) SUBSTITUTION REQUESTS:</b> 3A) SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS AND PRODUCT DATA DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS IN COMPLIANCE WITH THE RELEVANT BUILDING CODES, LOAD RESISTANCE, INSTALLATION CATEGORY, CREEP APPROVAL, IN-SERVICE TEMPERATURE AND INSTALLATION TEMPERATURE OF THE SPECIFIED PRODUCT.

POST-INSTALLED ANCHOR TABLE - DEWALT				
ANCHOR TYPE	PRODUCT	Fy (KSI)	Fu (KSI)	COMMENT
ADHESIVE (IN CONCRETE)		-	-	SUBMIT CALCULATIONS FOR SUBSTITUTIONS
ADHESIVE (IN CONCRETE W/>12" EMBEDMENT)		-	-	SUBMIT CALCULATIONS FOR SUBSTITUTIONS
ADHESIVE ANCHOR RODS		36 MIN	58 MIN	THREADED ROD, UNGREASED
EXPANSION ANCHORS (IN CONCRETE)	SIMPSON STRONG BOLT	-	-	SUBMIT CALCULATIONS FOR SUBSTITUTIONS
SCREW ANCHORS	SIMPSON TITEN HD	-	-	SUBMIT CALCULATIONS FOR SUBSTITUTIONS

CONCRETE NOTES
<b>1) GENERAL:</b> 1A) ALL WORK SHALL CONFORM WITH ACI 301-10, UNLESS NOTED OTHERWISE IN DRAWINGS OR PROJECT SPECIFICATIONS.  1B) DETAIL BARS IN ACCORDANCE WITH THE DRAWINGS, PROJECT SPECIFICATIONS, AND ACI PUBLICATION SP-66 (2004): "ACI DETAILING MANUAL."
<b>2) REINFORCING MATERIALS:</b> 2A) SEE 'REINFORCING MATERIAL TABLE'
<b>3) REINFORCING FABRICATION:</b> 3A) SPLICES: - NO SPLICING OF REINFORCEMENT PERMITTED EXCEPT AS NOTED ON DRAWINGS. MAKE BARS CONTINUOUS AROUND CORNERS WHERE DETAIL NOT PROVIDED. WHERE PERMITTED, SPLICES MAY BE MADE BY CONTACT LAPS. - SEE 'LAP SPLICE SCHEDULE' FOR LAP LENGTHS. - SPLICE CONTINUOUS TOP AND BOTTOM BARS IN WALLS, BEAMS, AND GRADE BEAMS 'LTS' UNLESS NOTED OTHERWISE. - SPLICE TOP BARS AT MIDSPAN AND BOTTOM BARS OVER SUPPORT UNLESS NOTED OTHERWISE.  3B) MISCELLANEOUS REINFORCING REQUIREMENTS: - PROVIDE ADDITIONAL BARS OR STIRRUPS REQUIRED TO SECURE REINFORCING IN PLACE DURING CONCRETE PLACEMENT. - MAKE ALL REINFORCING BAR BENDS IN THE FABRICATOR'S SHOP UNLESS NOTED. - NO WELDING OF REINFORCING PERMITTED UNLESS NOTED ON DRAWINGS. WHERE PERMITTED, PERFORM WELDING IN ACCORDANCE WITH AWS D1.4-2011. - PROVIDE ADDED REINFORCING TO TRIM ALL OPENINGS, NOTCHES, AND REENTRANT CORNERS AS NOTED IN TYPICAL DETAILS.  <b>4) STRUCTURAL CONCRETE MIX REQUIREMENTS:</b> 4A) SEE 'CONCRETE MIX TABLE'
<b>5) SLAB-ON-GRADE:</b> 5A) VERIFY ALKALINITY OF CONCRETE SURFACE, SLAB VAPOR TRANSMISSION, AND SLAB FLATNESS/LEVELNESS ARE COMPATIBLE WITH FLOORING SYSTEM AND ADHESIVES PRIOR TO INSTALLING FLOORING.  5B) TAKE PRECAUTIONS TO MINIMIZE SLAB CURLING. GRIND SLAB OR USE LEVELING COMPOUND IF FLOOR FLATNESS AND LEVELNESS VALUES ARE NOT ACCEPTABLE TO THE ARCHITECT.  <b>6) NON-SHRINK GROUT:</b> 6A) CONFORM TO ASTM C1107  6B) ACHIEVE 6000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.  <b>7) PLACING REINFORCEMENT:</b> 7A) REINFORCEMENT PROTECTION: - SEE 'REBAR COVER TABLE' - SEE ACI 117-10 FOR REINFORCEMENT PLACING TOLERANCES  7B) PROVIDE ACCESSORIES NECESSARY TO PROPERLY SUPPORT REINFORCING AND WELDED WIRE REINFORCEMENT AT POSITIONS SHOWN ON PLANS. ALL REINFORCING, DOWELS, BOLTS, AND EMBEDDED PLATES SHALL BE SET AND TIED IN PLACE BEFORE THE CONCRETE IS POURED. "STABBING" INTO PREVIOUSLY PLACED CONCRETE IS NOT PERMITTED.  <b>8) CONSTRUCTION/CONTROL JOINTS:</b> 8A) SUBMIT DRAWINGS SHOWING CONSTRUCTION AND CONTROL JOINT LOCATIONS ALONG WITH THE SEQUENCE OF POURS. CONSTRUCTION JOINT LOCATIONS AND CASTING SEQUENCE SHALL BE ARRANGED TO MINIMIZE THE EFFECTS OF ELASTIC AND LONG-TERM SHORTENING/SHRINKAGE.  **OR** STRUCTURAL DRAWINGS MUST DEFINE LOCATIONS AND POUR DELAYS FOR POUR STRIPS AND OTHER SEQUENCING ISSUES WHICH IMPACT FINAL PERFORMANCE OF THE STRUCTURE. PROJECTS WHERE SHOWING JOINTS ON THE STRUCTURAL DRAWINGS MAY BE APPROPRIATE INCLUDE LARGE PLAN AREAS WITH NO EXPANSION JOINTS, POST-TENSIONED SLABS, ETC. FOR SUCH PROJECTS, USE THE NOTE BELOW:  8B) CONSTRUCTION JOINT LOCATION AND CASTING SEQUENCE SHOWN ON THE DRAWINGS IS SUGGESTED AND HAS BEEN ARRANGED TO MINIMIZE THE EFFECTS OF ELASTIC AND LONG-TERM SHORTENING. SUBMIT DRAWINGS SHOWING PROPOSED CONSTRUCTION JOINT LOCATION AND CASTING SEQUENCE.  8C) CONCRETE CONSTRUCTION JOINT SURFACE SHALL BE CLEANED AND ALL LAITANCE AND LOOSE MATERIAL REMOVED PRIOR TO SECOND CONCRETE PLACEMENT.  <b>9) MODIFICATIONS TO HARDENED OR EXISTING CONCRETE</b> 9A) UNLESS NOTED ON THE STRUCTURAL DOCUMENTS MODIFICATIONS AS LISTED BELOW SHALL NOT BE MADE TO HARDENED OR EXISTING CONCRETE WITHOUT APPROVAL OF THE ARCHITECT: - SAW CUTTING - CORING - CHIPPING  9B) DO NOT CUT OR DAMAGE ANY REINFORCING WITHOUT APPROVAL OF THE ARCHITECT  <b>10) SLEEVES, OPENINGS, AND EMBEDDED PIPE/CONDUITS:</b> 10A) GENERAL - REFER TO TYPICAL DETAILS FOR REQUIREMENTS FOR CONDUIT AND PIPE EMBEDDED IN WALLS AND SLABS - REFER TO TYPICAL DETAILS FOR SPACING AND LAYOUT LIMITATIONS FOR SLEEVES AND OPENINGS - FORM OPENINGS AND PROVIDE SLEEVES BEFORE PLACING CONCRETE. CORING OF CONCRETE IS NOT PERMITTED - AT COMPOSITE SLABS DO NOT CUT DECK FOR AT LEAST 7 DAYS AFTER CONCRETE PLACEMENT  10B) REINFORCING - REFER TO TYPICAL DETAILS FOR REINFORCEMENT REQUIREMENTS AT SLEEVES, OPENINGS OR CONDUIT - DO NOT CUT REINFORCING WHICH MAY CONFLICT

REINFORCING MATERIAL TABLE				
REINF ELEMENT	ASTM	Fy (KSI)	Fu (KSI)	COMMENTS
TYP REINFORCING	A615	60	90	-
WELDED & FIELD BENT REINF	A706	60	80	-

CONCRETE MIX TABLE							
CONC MIX TYPE	INTENDED USE	28 DAY STRENGTH f <sub>c</sub> (KSI)	CONC WEIGHT	MAX W/C RATIO, INCLUDING FLY ASH	MAX AGGREGATE SIZE (IN), NOTE a	TOTAL AIR CONTENT (%), NOTE b	OTHER REQTS, NOTE c
1	FOOTINGS	4.5	NWC	-	1	-	-
2	BSMT WALLS EXPOSED TO MOISTURE	4.5	NWC	0.45	3/4	6	-
3	INT SLABS ON GRADE	3.5	NWC	-	1	NP	-
4	ALL CONC OTHERWISE NOT SPECIFIED	4	NWC	0.50	3/4	6	-

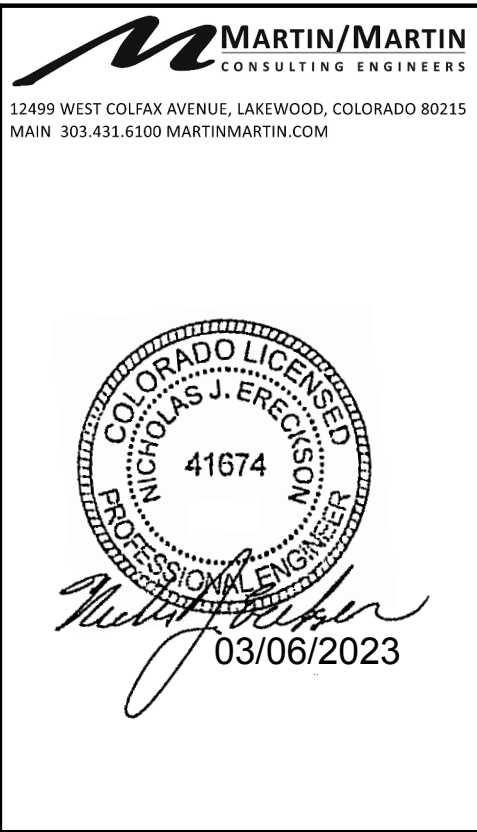
<b>CONCRETE MIX TABLE NOTES:</b> PROPORTIONS OF MATERIALS IN CONCRETE MIX SHALL BE ESTABLISHED TO: - PROVIDE THE MINIMUM COMPRESSIVE STRENGTH AS INDICATED IN THE MIX TABLE. DO NOT EXCEED THE MAXIMUM WATER-CEMENT RATIO NOTED.  - PROVIDE WORKABILITY AND CONSISTENCY TO PERMIT CONCRETE TO BE WORKED READILY INTO FORMS AND AROUND REINFORCEMENT UNDER CONDITIONS OF PLACEMENT TO BE EMPLOYED, WITHOUT SEGREGATION OR EXCESSIVE BLEEDING. CONTRACTOR SHALL SELECT APPROPRIATE SLUMP. USE ADMIXTURES AS REQUIRED TO OBTAIN DESIRED RESULTS.  USE TYPE I / II PORTLAND CEMENT UNLESS NOTED OTHERWISE. FOR CONCRETE MIXES USED ON FLOORS MINIMUM CEMENTITIOUS CONTENT SHALL BE 540 POUNDS PER CUBIC YARD.  FOR CONCRETE PLACED BY PUMPING PROVIDE CONCRETE MIX FLOWABILITY TO FACILITATE PUMPING. ENTRAINED AIR MAY BE USED TO FACILITATE PUMPING SUBJECT TO THE PROVISIONS OF NOTE b BELOW. a. FOR THE MAXIMUM COARSE AGGREGATE SIZE INDICATED, USE THE FOLLOWING AGGREGATE SIZE NUMBERS PER ASTM C33: 3/4": #67 AGGREGATE 1": #57 AGGREGATE  b. WHERE AIR CONTENT IS INDICATED IN THE MIX TABLE, PROVIDE AIR ENTRAINING ADMIXTURE. TOTAL AIR CONTENT LIMITS INCLUDE BOTH ENTRAINED AND ENTRAPPED AIR +/- 1 1/2%. 'NP' IN COLUMN INDICATES ADDITION OF ENTRAINED AIR IS NOT PERMITTED EXCEPT WHERE CONTRACTOR CAN DEMONSTRATE THAT SLABS WITH ENTRAINED AIR WILL HAVE A FINISH ACCEPTABLE TO THE ARCHITECT WITHOUT BLISTERS. AIR CONTENT NOTED IS BASED ON 3/4" AGGREGATE. IF 3/8" AGGREGATE IS USED, INCREASE AIR CONTENT BY 1 1/2%.
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WOOD NOTES
<b>1) LAMINATED MEMBER SIZES:</b> 1A) (LVL, PSL, LSL, GLU-LAM AND OTHER FABRICATED MEMBERS (TJI) SIZES SHOWN ARE NET. OTHER MEMBER SIZES ARE NOMINAL.  2) BEAMS AND STRINGERS USED WITH CANTILEVERS OR CONTINUOUS SPANS SHALL BE GRADED TO PROVIDE THE SPECIFIED ALLOWABLE STRESSES OVER THE ENTIRE MEMBER LENGTH.  3) THE MANUFACTURER SHALL PROVIDE WEB STIFFENERS ON I-JOISTS, END BLOCKING, BRIDGING, AND ERECTION BRACING AS REQUIRED. SEE "DESIGN CRITERIA" FOR DESIGN DEAD AND LIVE LOADS.  3D) FABRICATED LUMBER SHALL BE DRY.  3E) SEE 'FABRICATED LUMBER TABLE' FOR MINIMUM PROPERTIES (AT NORMAL LOAD DURATIONS).  <b>4) SHEATHING:</b> 4A) WOOD STRUCTURAL PANELS (WSP) - WOOD STRUCTURAL PANELS SHALL BE APA RATED SHEATHING CONFORMING TO U.S. DEPARTMENT OF COMMERCE STANDARD PS 2-10. - ALL WOOD PANELS SHALL BE EXPOSURE 1.  <b>5) NAILING:</b> - UNLESS NOTED OTHERWISE ON THE DRAWINGS, PROVIDE BOX NAILS COMMON NAILS SINKERS WITH SIZES SHOWN IN THE TABLE BELOW. MINIMUM NAILING SHALL BE IN ACCORDANCE WITH THE TYPICAL WOOD CONNECTION SCHEDULE AND IBC 2018 TABLE 2304.10.1  5B) WHERE COMMON NAILS ARE SPECIFIED, BOX NAILS OF EQUAL LENGTH MAY BE SUBSTITUTED PROVIDED ONE BOX NAIL IS ADDED FOR EVERY THREE COMMON NAILS SPECIFIED.  <b>6) METAL CONNECTORS:</b> 6A) FRAMING CONNECTORS SHALL CONFORM TO IBC 2018 SECTION 2303.5. FRAMING CONNECTOR DESIGNATIONS ARE THOSE MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, SAN LEANDRO, CALIFORNIA. OTHER MANUFACTURER'S PRODUCTS MAY BE USED IF APPROVED BY THE ENGINEER. FURNISH NAILS AND/OR BOLTS OF DIAMETER, LENGTH, AND NUMBER SPECIFIED BY THE MANUFACTURER FOR EACH CONNECTOR.  6B) ALL CONNECTOR HOLES SHALL BE FILLED WITH PROPER NAILS/BOLTS INCLUDING OPTIONAL NAIL LOCATIONS FOR UPLIFT. ALL BOLT HOLES SHALL BE DRILLED INTO FRAMING MEMBERS. MAXIMUM HOLE DIAMETER IS 1/16" LARGER THAN THE BOLT DIAMETER.  <b>7) OPENINGS:</b> 7A) OPENING, POCKETS, ETC., SHALL NOT BE PLACED IN BEAMS, JOISTS, RAFTERS, STUDS, POSTS, COLUMNS, TIMBER AND OTHER STRUCTURAL MEMBERS UNLESS DETAILED ON THE STRUCTURAL DRAWINGS.

FRAMING LUMBER SCHEDULE				
TYPE OF USE	GRADE	Fb (PSI)	Fv (PSI)	E (PSI)
EXTERIOR STUDS	NO. 2			
LOAD BEARING STUDS (AND COLUMNS ASSEMBLED FROM STUDS)	NO. 2			
NON-LOAD BEARING STUDS	STUD			
BEAMS & STRINGERS	NO. 1			
POSTS & TIMBER	NO. 1			
EXPOSED FRAMING	NO. 1			
DECKING	SELECT DX			
ALL OTHER	NO. 1			

FABRICATED LUMBER TABLE							
PRODUCT	SIZE	TYPE	Fb (PSI)	Fv (PSI)	Ft (PSI)	E (KSI)	REMARKS
PARALLEL STRAND BEAM	--	PSL	2000	290	2025	2000	--
LAMINATED STRAND BEAM	--	LSL	2250	400	1075	1500	--
LAMINATED VENEER BEAM	--	LVL	2600	285	1555	1900	--

APA RATED SHEATHING	
PANEL SPAN RATING	PANEL THICKNESS
24/16	7/16"
32/16	15/32", 1/2"
40/20	19/32", 5/8"
48/24	23/32", 3/4"



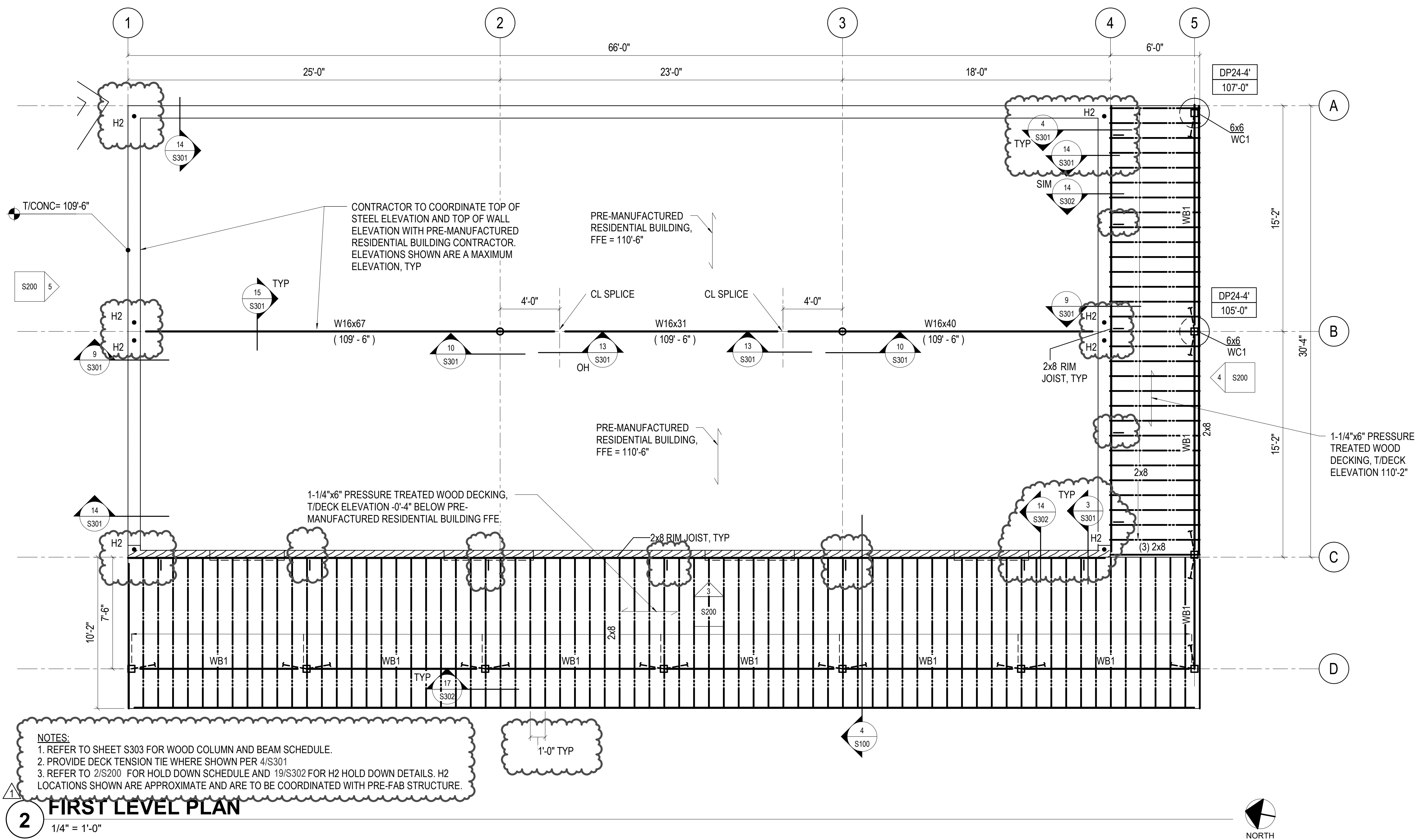
HEITER RESIDENCE FOUNDATION ENGINEERING

29550 CO RD 14D  
STEAMBOAT SPRINGS, CO 80487

REVISIONS		
NO.	ISSUE	DATE
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PROJECT NO:		22.0119.S01
DATE:		5/27/2022
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SHEET TITLE: NOTES
SHEET NUMBER: S002





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1	ADD NO. 1	2/20/2023

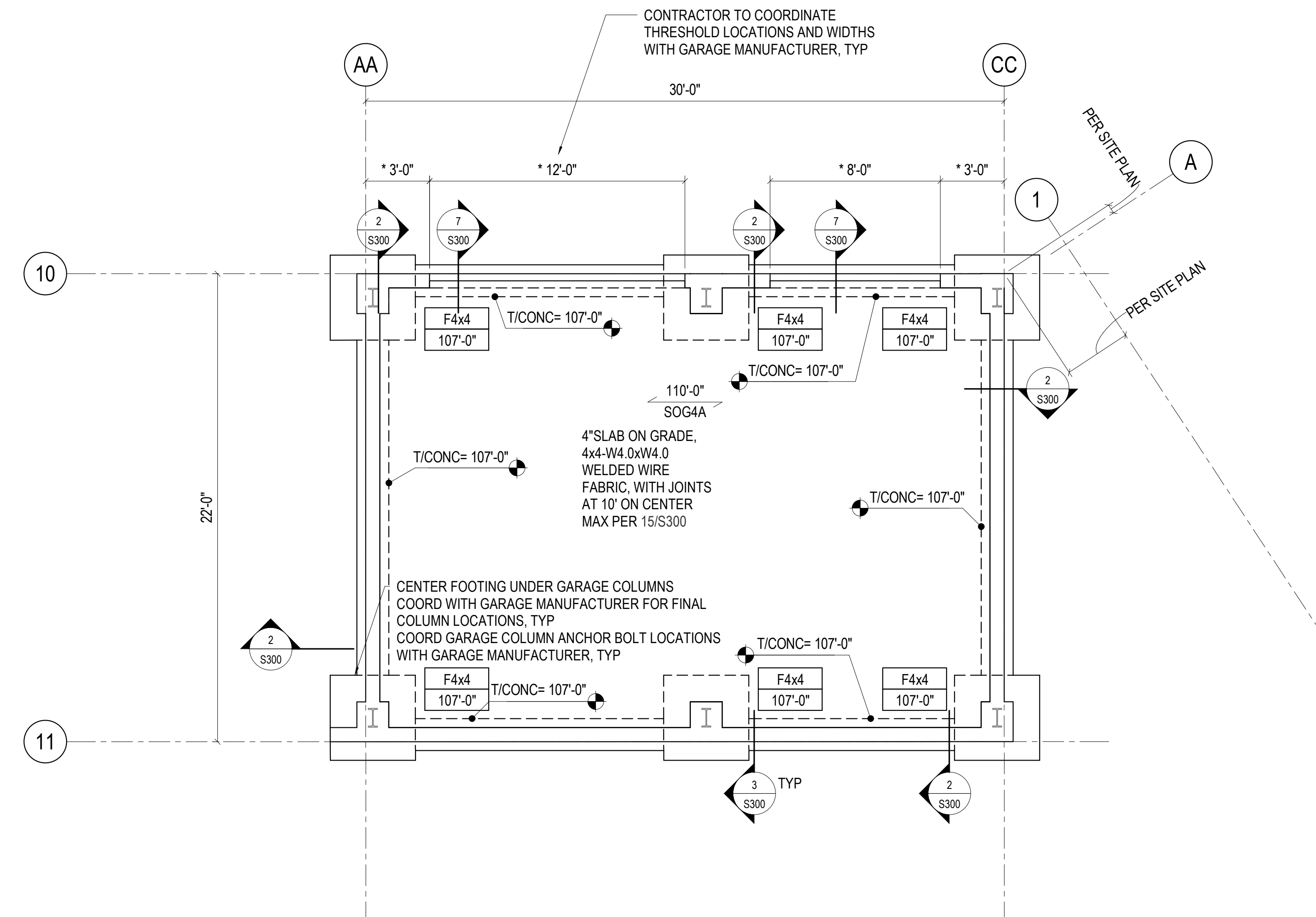
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DOCUMENTS

PROJECT NO: 22.0119.S01  
DATE: 5/27/2022

SHEET TITLE:  
**FLOOR PLANS**

SHEET NUMBER:  
**S100**





# 1 GARAGE PLAN

Not included under Routt County  
Permit PRPF220565 Open separate  
permit and submit plans for garage.

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NO.	ISSUE	DATE

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DOCUMENTS

PROJECT NO: 22.0119.S01  
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SHEET TITLE:  
GARAGE  
FOUNDATION

SHEET NUMBER:  
**S101**



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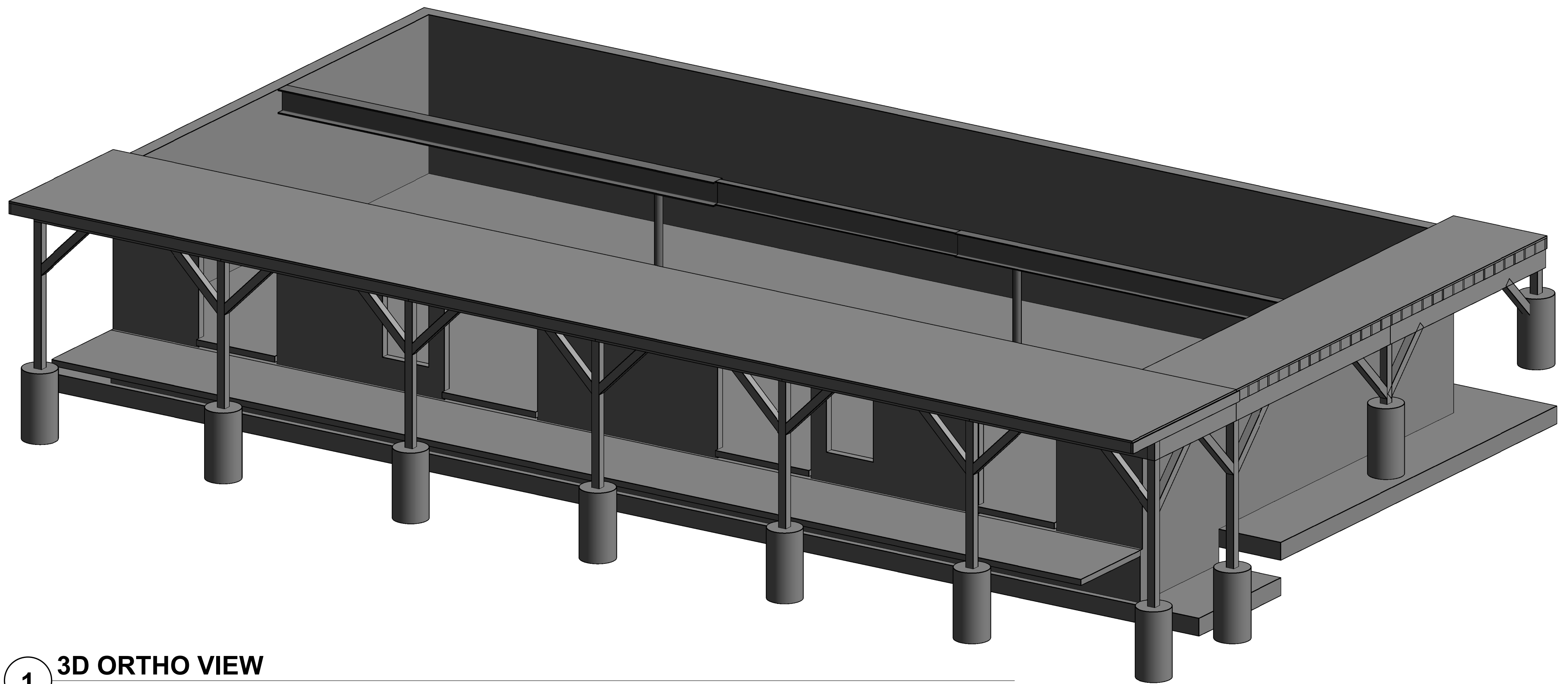
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SHEET TITLE:  
ELEVATIONS

SHEET NUMBER:  
S200



### 1 3D ORTHO VIEW

WOOD WALL SHEATHING SCHEDULE 10d NAILS											
MARK	SHEATHING	BLOCKED EDGES	EDGE NAILING	ANCHORAGE TO FOUNDATION	PLATE WASHER REQUIRED AT BASE ANCHORS	CONNECTION AT SILL PLATE	WOOD NAILER AT STEEL	CONNECTION AT TOP PLATE	VW/OMEGA	VS/OMEGA	REMARKS
A	15/32"	YES	10d @ 6" OC	@ 24" OC	YES	16d @ 4" OC	(2) 0.177"Ø PAF @ 8" OC	SIMPSON A35 @ 18" OC	435 PLF	310 PLF	--

WOOD HOLD DOWN SCHEDULE						
MARK	HOLD DOWN TYPE	INTERMEDIATE LEVEL STRAP TYPE	ANCHOR REQTS	MINIMUM STUD PACK AT HOLD DOWN	NUMBER OF PAF	REMARKS
H1	HDU2-SDS2.5	N/A	SSTB16	(2) DF #2 STUDS	11	6" MIN STEMWALL, 15/S302
H2	DTT2Z-SDS2.5	N/A	1/2" DIA	SEE 19/S302	-	-

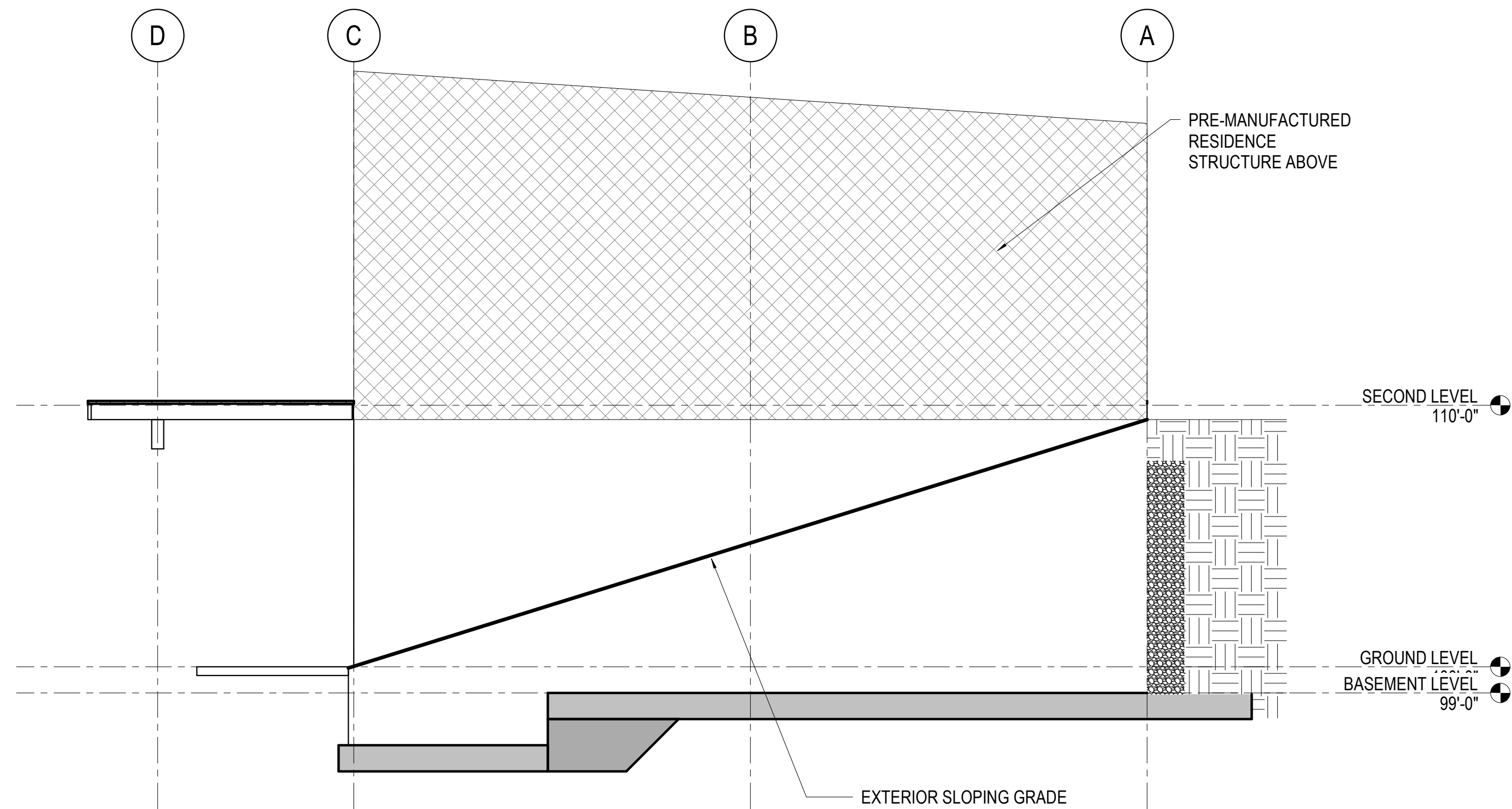
WOOD WALL FRAMING SCHEDULE	
MARK	STUD SIZE & SPACING
W6-16	2x6 DF #2 @ 16" OC

#### WALL FRAMING NOTES:

- SHEATHING PER SCHEDULE, STAGGER EDGES
- ALL EXTERIOR STRUCTURAL WOOD WALLS SHALL BE W6-X16, UNO
- SHEATHING TO BE APA-RATED SHEATHING, SEE TABLE IN GENERAL NOTES FOR ADDITIONAL INFORMATION.
- SHEATHING NAILS SHALL BE INSTALLED A MINIMUM OF 3/8" FROM PANEL EDGES
- SHEATHING TO BE BACKED WITH 2" NOMINAL OR WIDER MEMBERS
- A. NAILS SPACED AT 3" OC OR LESS SHALL BE BACKED WITH 3" NOMINAL OR WIDER MEMBERS, INCLUDING SILL CONDITIONS.
- FIELD NAILING SHALL BE 10d NAILS @ 12" OC AT SHEATHING
- SHEATHING NAILS TO BE COMMON
- CONNECT SHEATHING DIRECTLY TO STUDS
- ALL WALL NAILING AT WALLS, INCLUDING HEADERS, BLOCKING, RIMBOARDS, ETC SHALL CONFORM TO REQUIREMENTS OF NAILING SCHEDULE IN IBC 2018, TABLE 2304.10.1 UNLESS MORE STRINGENT REQUIREMENTS ARE SHOWN IN DRAWINGS.

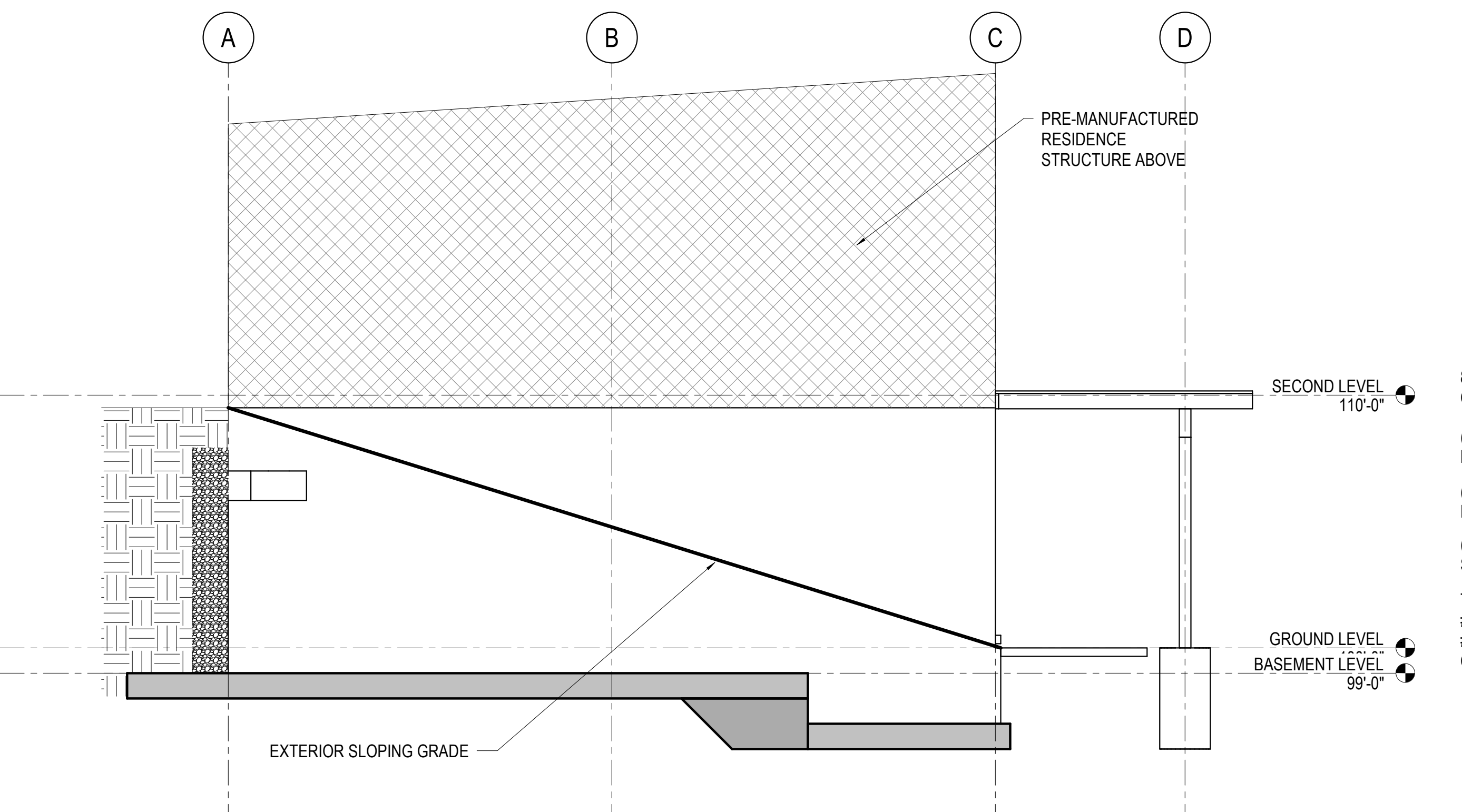
#### HOLD DOWN NOTES:

- HOLD DOWN LOCATIONS AS SHOWN ON PLAN
- INSTALL ALL HOLD DOWNS AND HOLD DOWN ANCHORS PER MNFR'S WRITTEN INSTRUCTIONS
- MINIMUM HOLD DOWN ATTACHMENT TO BE (2) 2x WALL STUD THICKNESS, UNLESS NOTED OTHERWISE



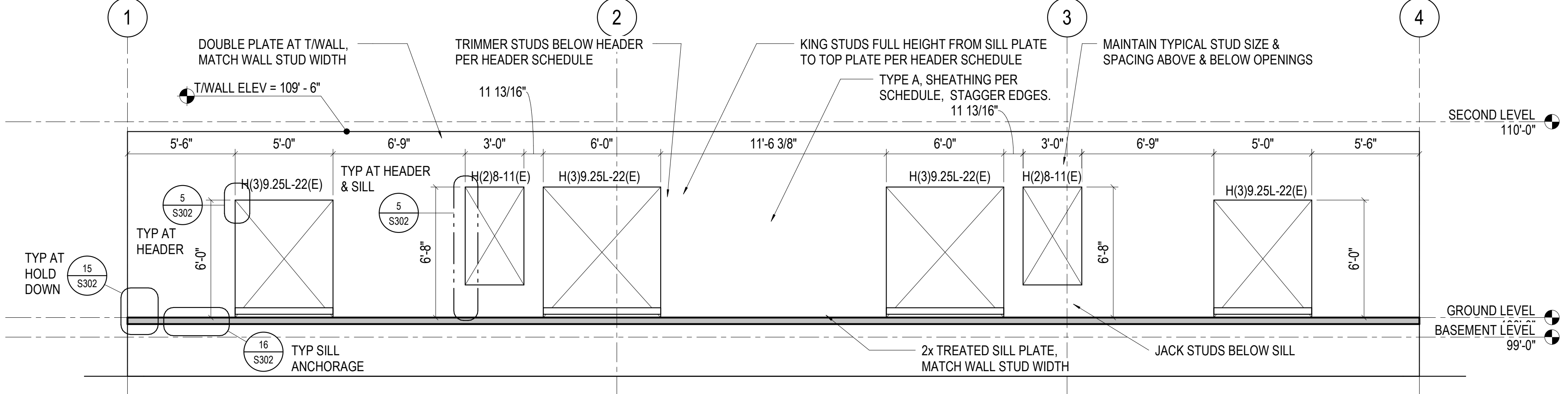
### 4 EAST ELEVATION

1/4" = 1'-0"



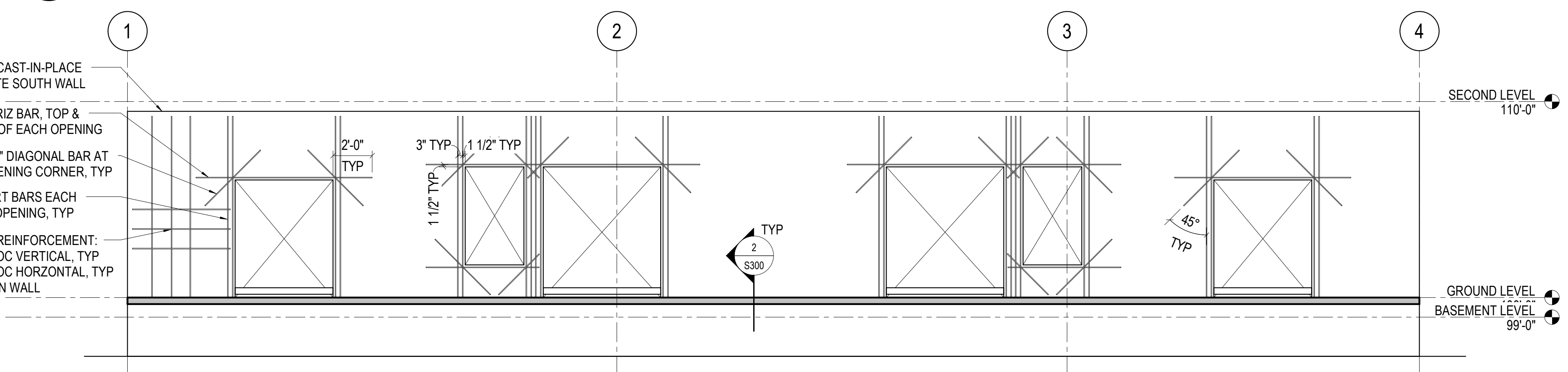
### 5 WEST ELEVATION

1/4" = 1'-0"



### 2 SOUTH ELEVATION AND WALL FRAMING NOTES

1/4" = 1'-0"



### 3 SOUTH ELEVATION AND WALL FRAMING NOTES CIP CONCRETE OPTION

1/4" = 1'-0"







17	NO SCALE	TYP WOOD POST BASE AND DP24 FOOTING
----	----------	-------------------------------------

### 13 1 1/2" = 1'-0" BEAM TO BEAM CONNECTION

**9** 1" = 1'-0" CONCRETE BEAM BEARING POCKET

REBAR COVER TABLE	
CASE	COVER (IN)
CONCRETE PLACED AGAINST EARTH	3
CONCRETE PLACED IN FORMS, EXPOSED TO WEATHER OR EARTH	2
SLABS OR WALLS NOT EXPOSED TO EARTH OR WEATHER	1

**GENERAL NOTES:**

1. LENGTHS SPECIFICALLY DETAILED ON DRAWINGS SHALL GOVERN IN LIEU OF LAP LENGTHS SCHEDULED
2. ABBREVIATIONS:
  - A. 'LCE' = COMPRESSION EMBEDMENT LENGTH
  - B. 'LCS' = COMPRESSION LAP SPLYCE LENGTH
  - C. 'LDH' = HOOK DEVELOPMENT LENGTH
  - D. 'LTE' = TENSION EMBEDMENT LENGTH
  - E. 'LTS' = TENSION LAP SPLYCE LENGTH
3. TOP BARS ARE HORIZONTAL BARS PLACED SUCH THAT MORE THAN 12 IN OF FRESH CONCRETE IS CAST BELOW THE BAR
4. CLEAR COVER IS DEFINED FROM THE NEAREST FACE OF CONCRETE TO THE BAR BEING DEVELOPED OR SPLICED
5. UNLESS NOTED OTHERWISE, ALL HOOK BARS SHALL EXTEND TO THE FAR FACE LESS 2" COVER
6. IF A NOTE OR DETAIL CALLS FOR A BAR TO BE EMBEDDED L (DEVELOPMENT LENGTH) INTO CONCRETE, THIS SHALL CORRESPOND TO A 'LTE' LENGTH
7. IF A NOTE OR DETAIL REQUIRES A BAR TO HAVE A DEVELOPMENT OR LAP LENGTH BUT INSUFFICIENT DIMENSION IS AVAILABLE FOR THE LENGTH SCHEDULED, EXTEND BAR TO FAR FACE OF CONCRETE LESS 2" COVER AND HOOK

### **LAP SPLICE NOTES:**

1. ALL SPLICES SHALL BE WIRED IN CONTACT
2. ALL SPLICES ARE 'LTS' UNLESS NOTED OTHERWISE
3. SMALLER BAR LAP LENGTH SHALL BE USED WHEN SPLICING DIFFERENT SIZED BARS
  - A. COMPRESSION LAP LENGTH SHALL NOT BE LESS THAN 'LCE' OF THE LARGER BAR
  - B. TENSION LAP LENGTH SHALL NOT BE LESS THAN 'LTE' OF THE LARGER BAR
4. BUNDLED BAR SPLICES:
  - A. INDIVIDUAL BAR SPLICES WITHIN THE BUNDLE SHALL BE STAGGERED
5. TOP AND BOTTOM BEAM SPLICES SHALL BE STACKED VERTICALLY

### **HOOK EMBEDMENT NOTES:**

1. SCHEDULED HOOK EMBEDMENT LENGTHS ASSUME:
  - A. SIDE COVER IS 2 1/2 INCHES OR GREATER
  - B. COVER BEYOND IS 8 INCHES OR GREATER
2. IF REINFORCING IS SPECIFIED AS EPOXY COATED, INCREASE SCHEDULED LENGTHS BY 20%
3. IF LIGHTWEIGHT AGGREGATE IS SPECIFIED, INCREASE SCHEDULED LENGTHS BY 30%
4. IF SIDE COVER IS LESS THAN 2 1/2 INCHES, INCREASE LENGTHS BY 40%

**NOTES:**  
1. ALL SIMPSON HARDWARE AND BOLTS TO BE HDG

14	NO SCALE	SILL PLATE ANCHOR DETAIL
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10	3/4" = 1'-0"	BEAM TO COLUMN
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### TYPICAL REINFORCING BENDS

**NOTES:**  
1. ALL SIMPSON HARDWARE AND BOLTS TO BE HDG

**15** 1" = 1'-0" WOOD NAILER TO STEEL BEAM

RETAINING WALL DIMENSIONS & REINFORCEMENT									
H (FT)	LH (IN)	LT (IN)	TW (IN)	TF (IN)	WH	WV	FTT BARS	FTB BARS	FL BARS
9, MAX	48	33	10	12	#4@12IN	#6@6IN	#5@18IN	#5@6IN	8 #4 TOP & BOTTOM

**12** NO SCALE RETAINING WALL AT BASEMENT

<b>3</b>	NO SCALE	<b>DECK LEDGER TENSION TIE DETAIL AT PERPENDICULAR JOISTS</b>
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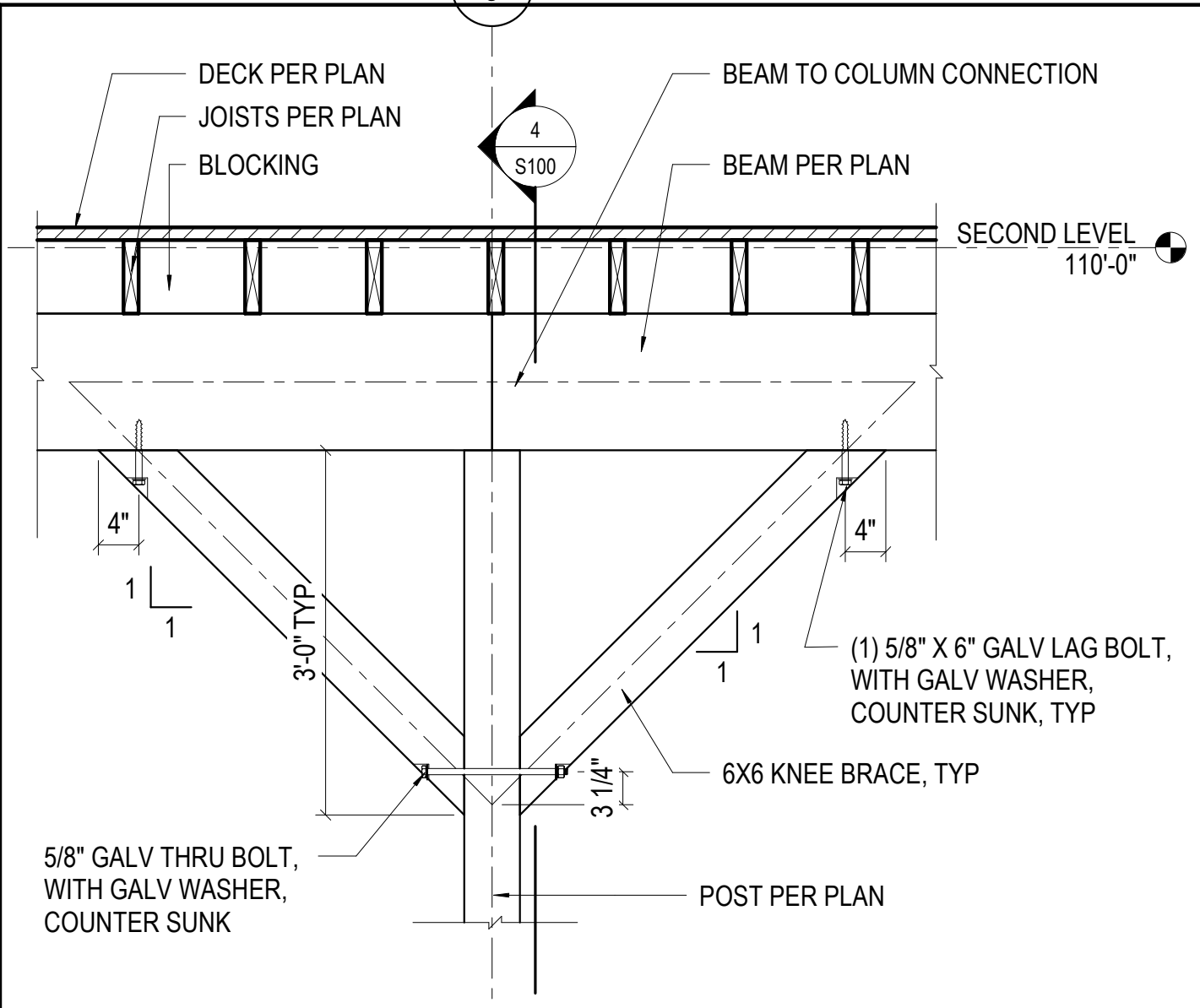
20 NO SCALE TYP WOOD BEAM AT WOOD POST

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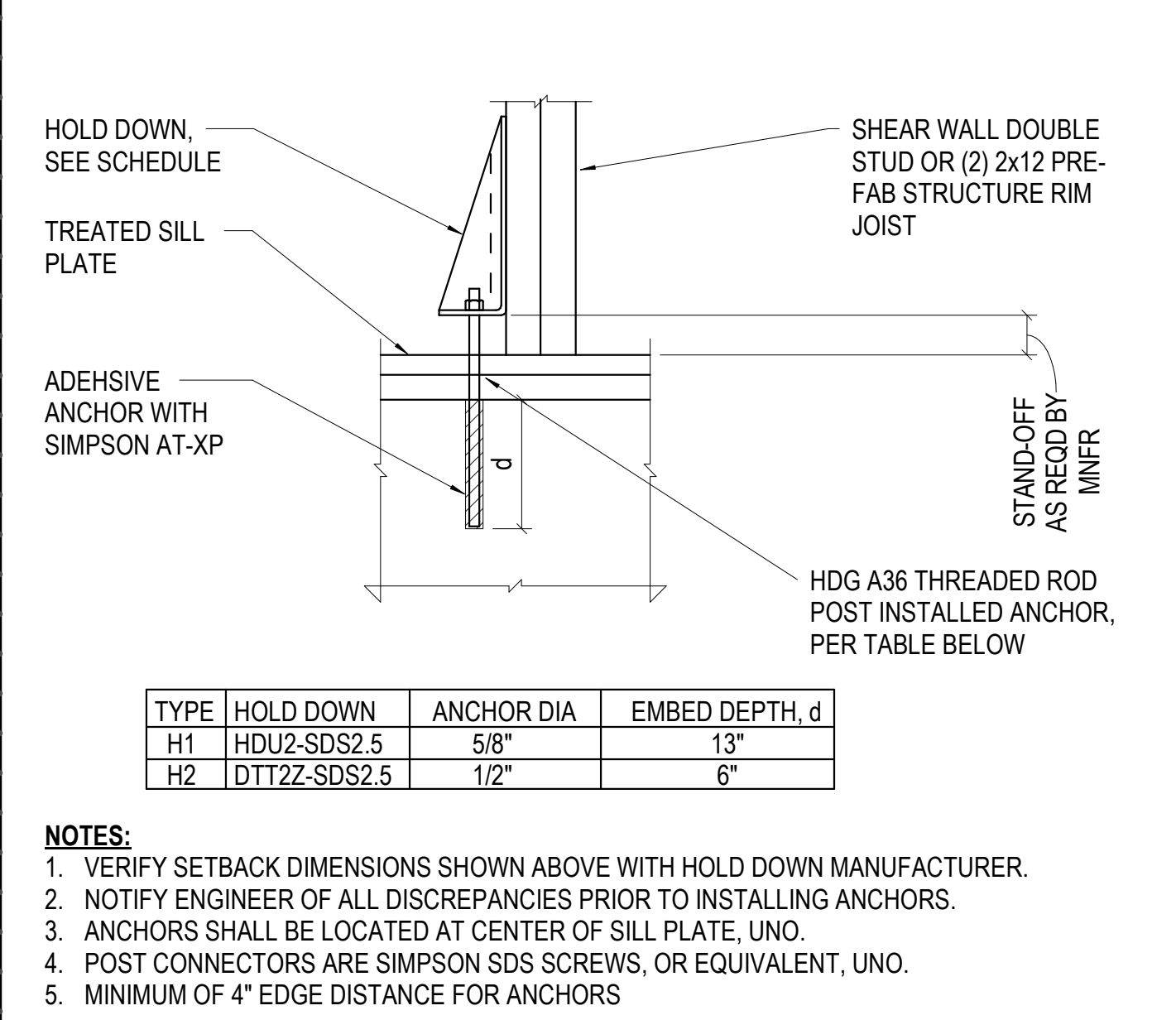
<b>4</b>	NO SCALE	DECK LEDGER TENSION TIE ALTERNATE DETAIL
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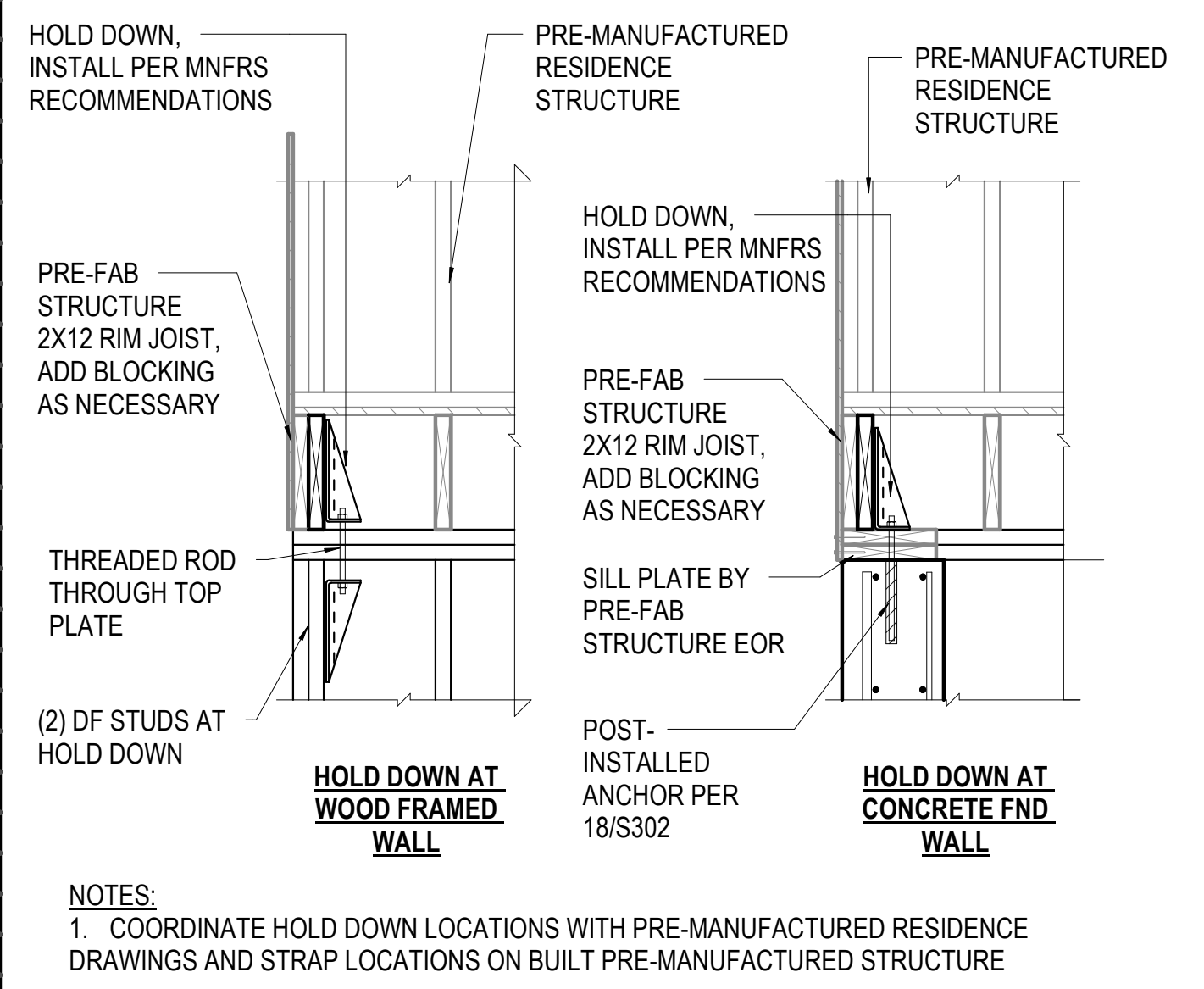
NO. 108 - 10/19/19 S.O.  
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LEAD REVISION: Ecor Design's Name Here  
EOR: Ecor Design's Name Here  
PROJECT MANAGER: Andrew Lack



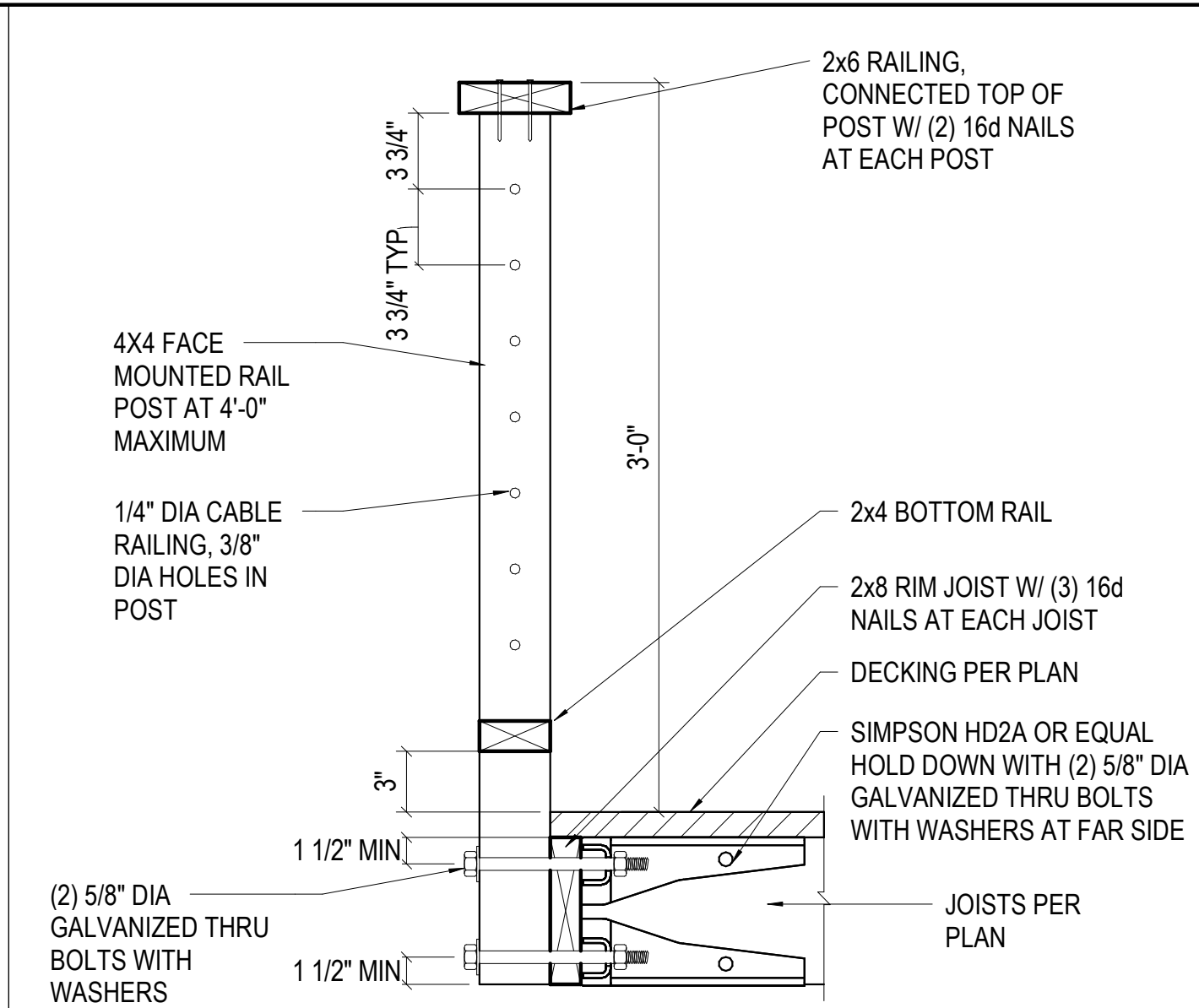
17 3/4" = 1'-0" KNEE BRACE DETAIL AT DECK



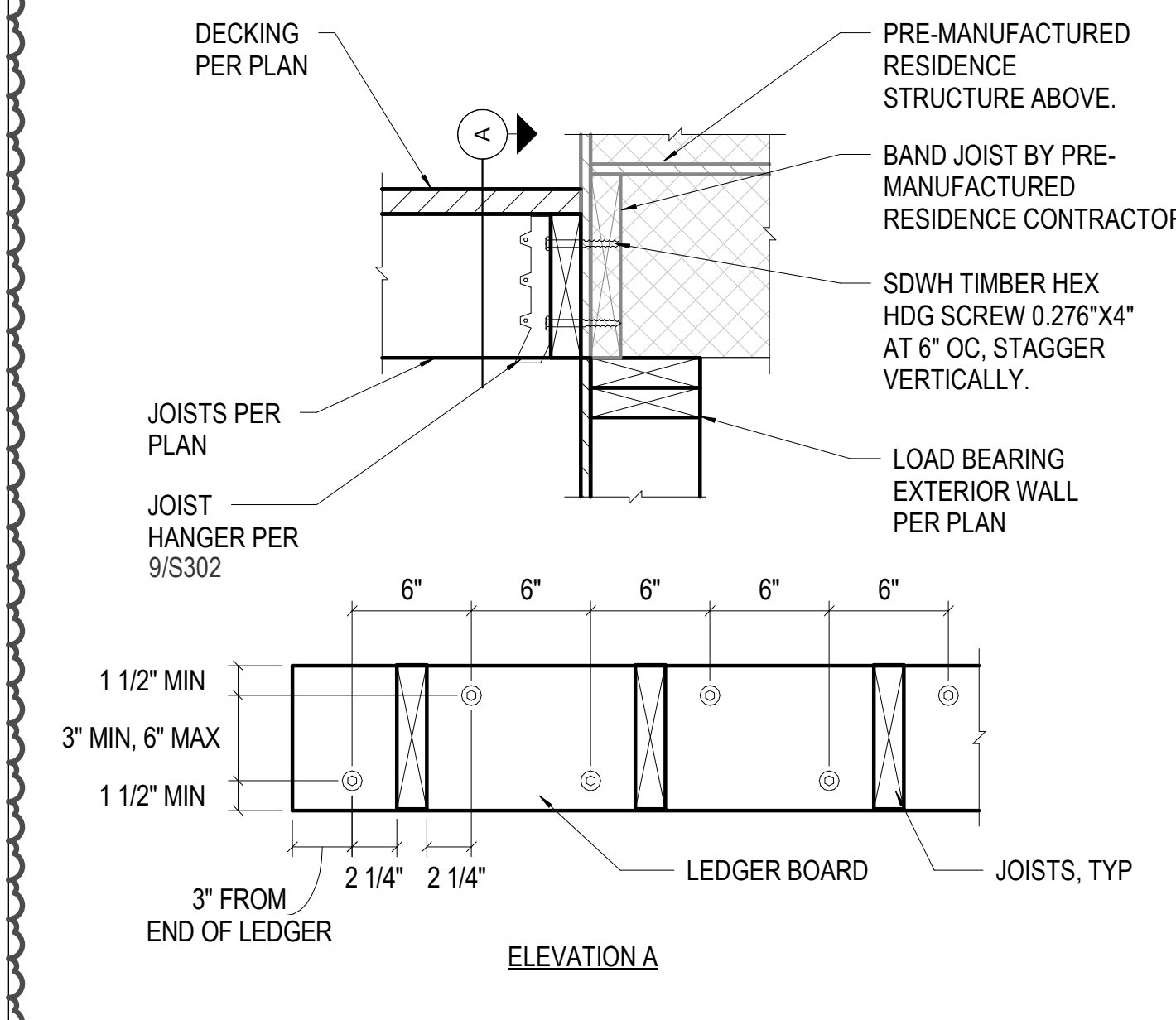
18 NO SCALE POST INSTALLED ANCHOR WOOD HOLD DOWN AT CONCRETE



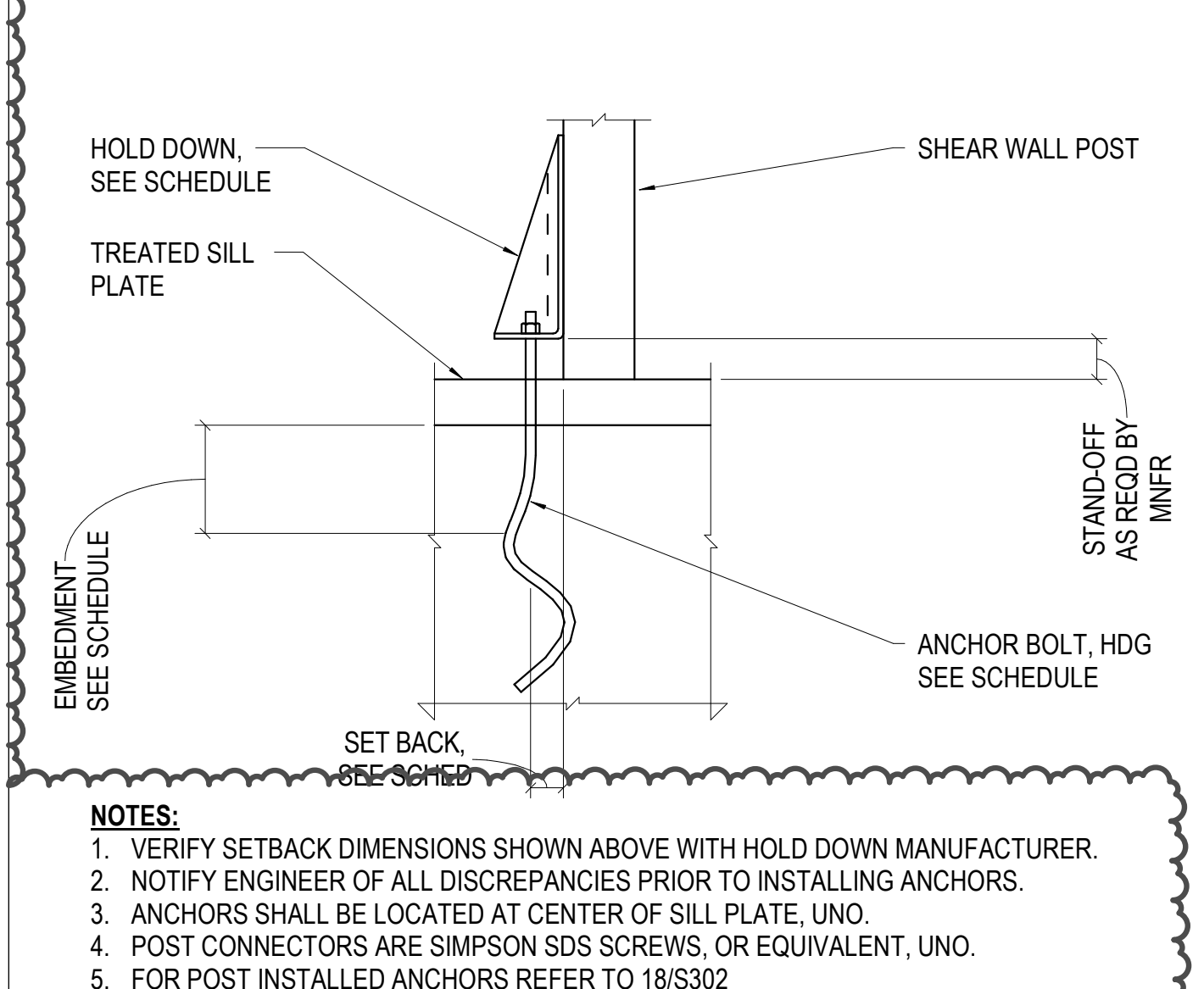
19 NO SCALE H2 WOOD HOLD DOWN DETAILS



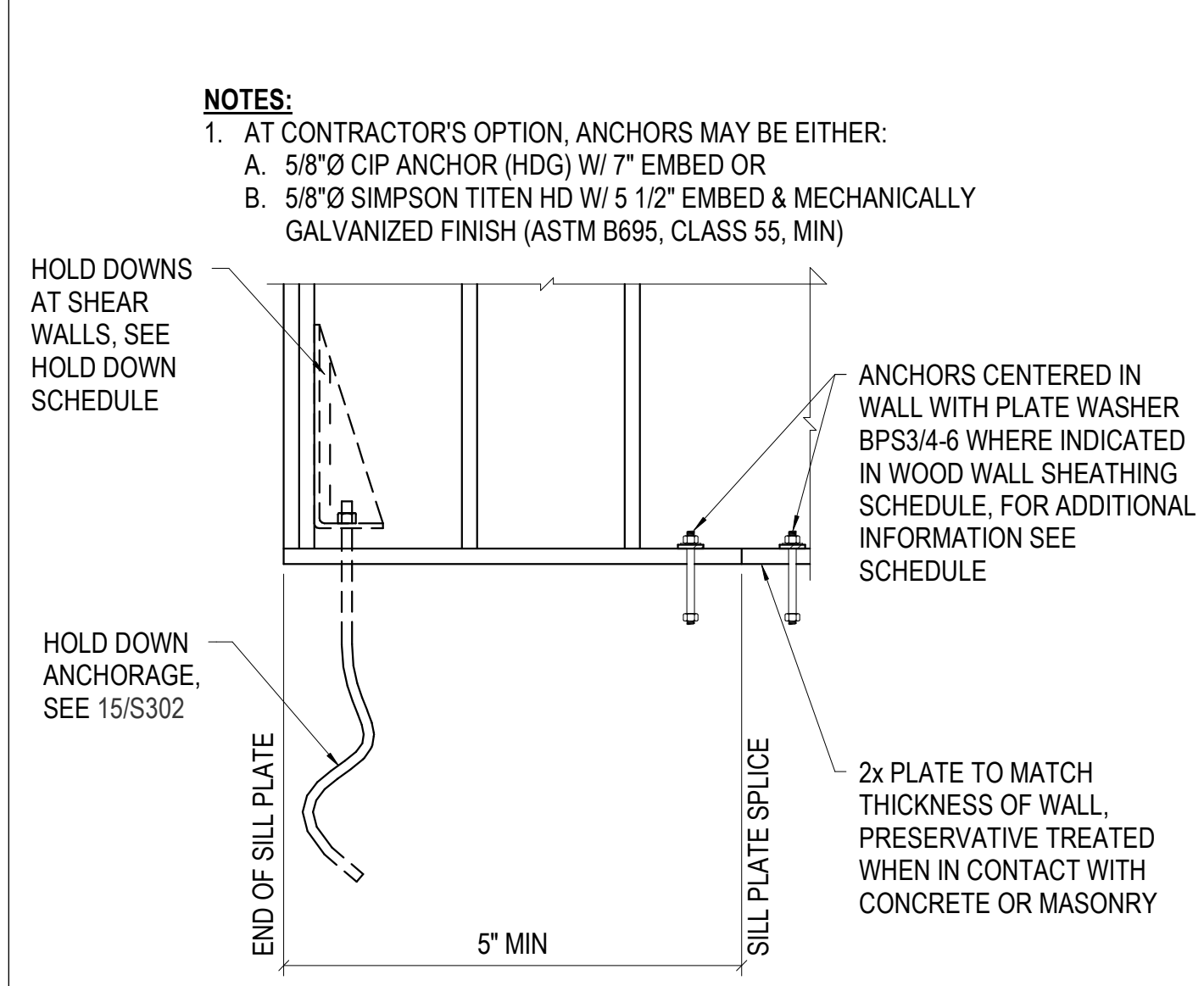
13 1 1/2" = 1'-0" BALCONY RAILING POST DETAIL



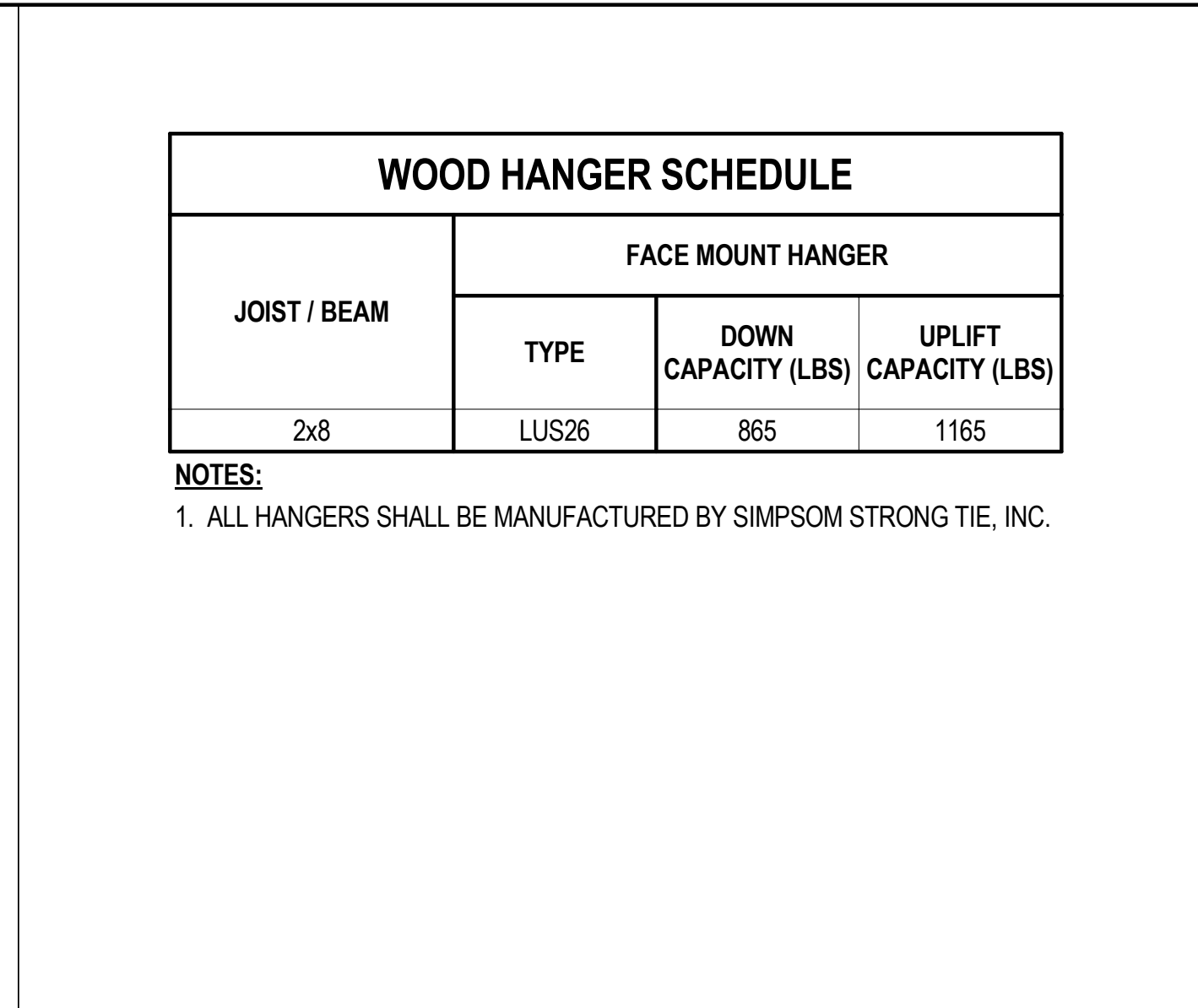
14 1 1/2" = 1'-0" DECK LEDGER BOARD DETAIL



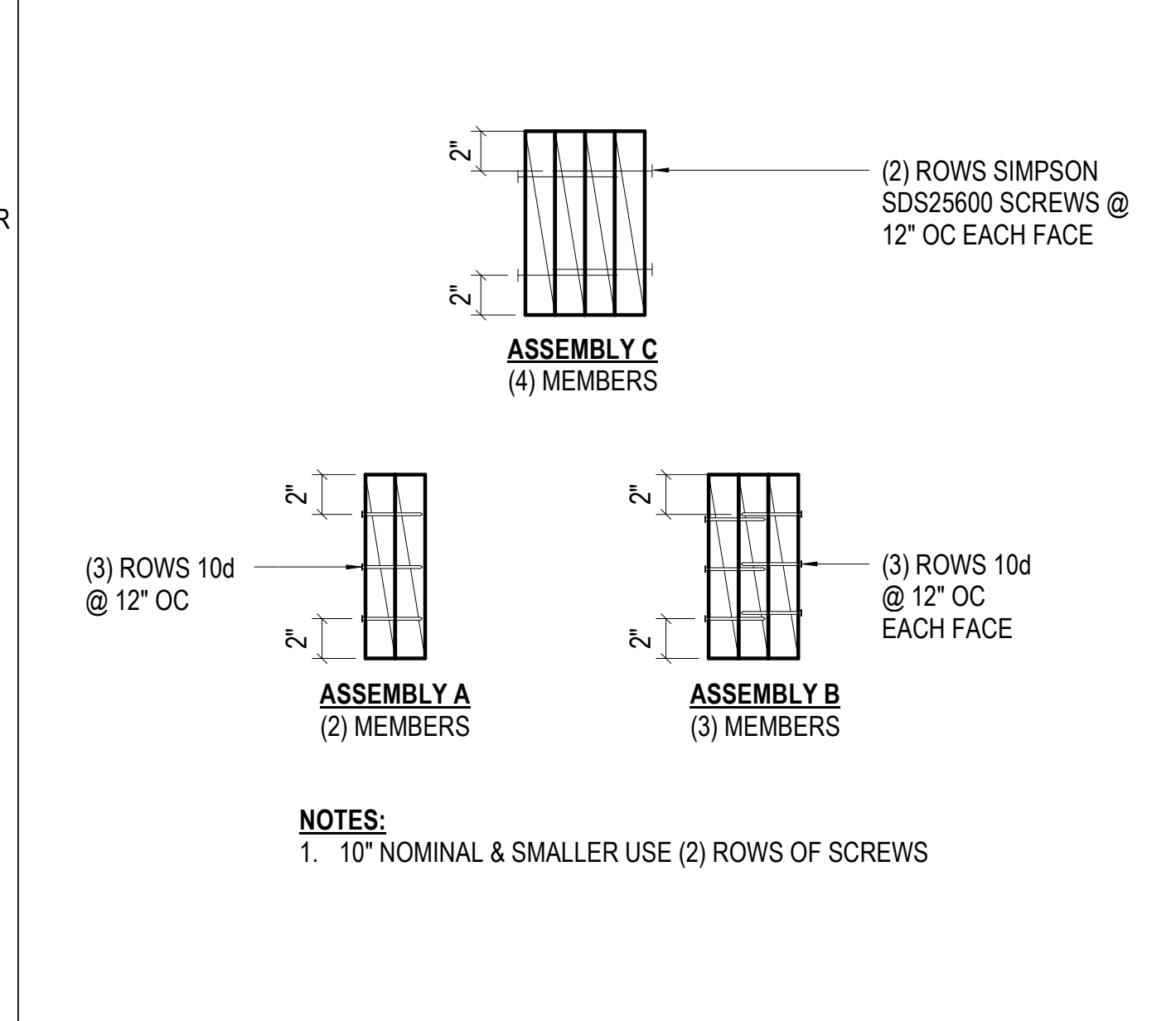
15 NO SCALE TYPICAL WOOD HOLD DOWN AT CONCRETE



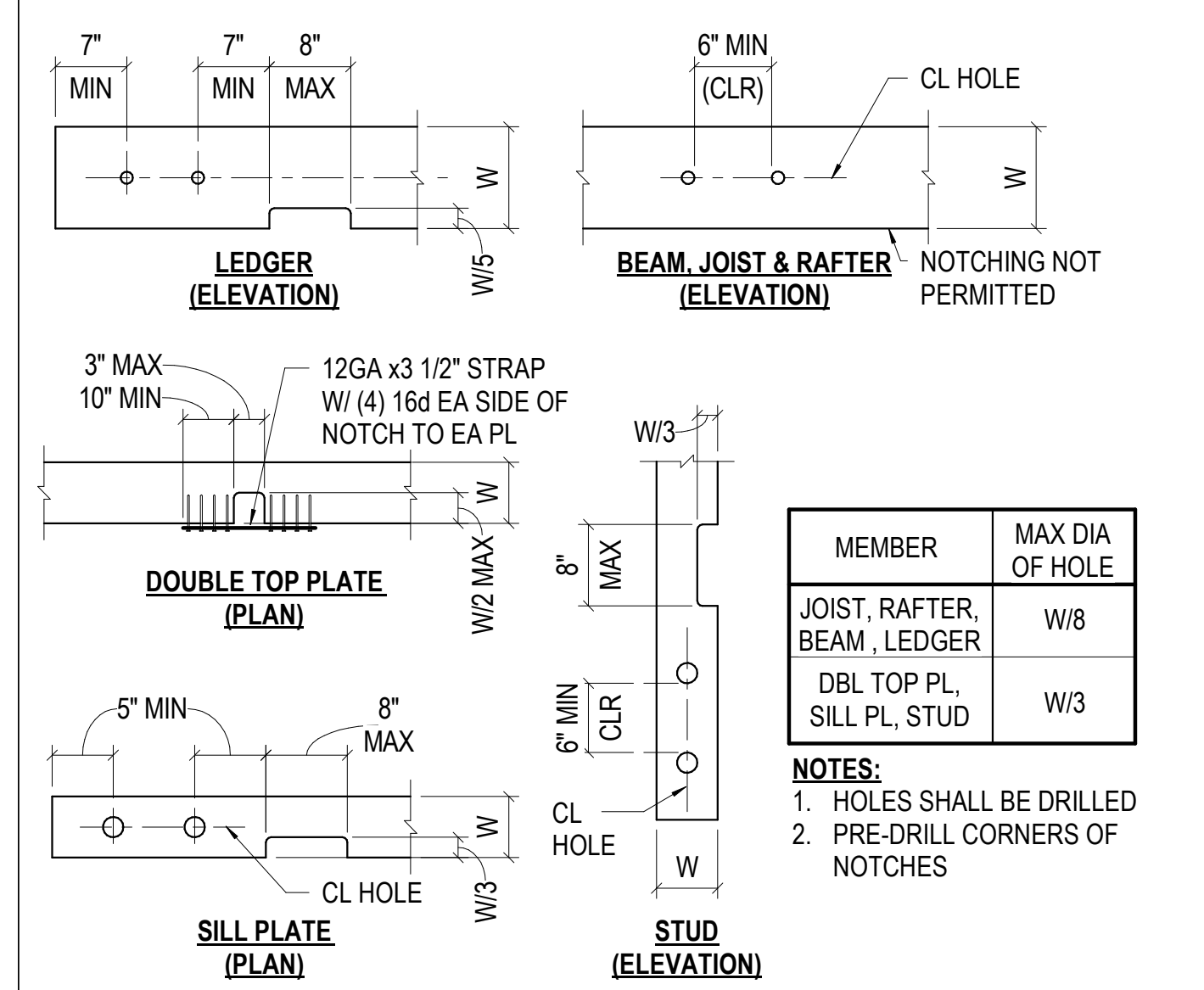
16 NO SCALE TYPICAL WOOD WALL ANCHORAGE TO FOUNDATION



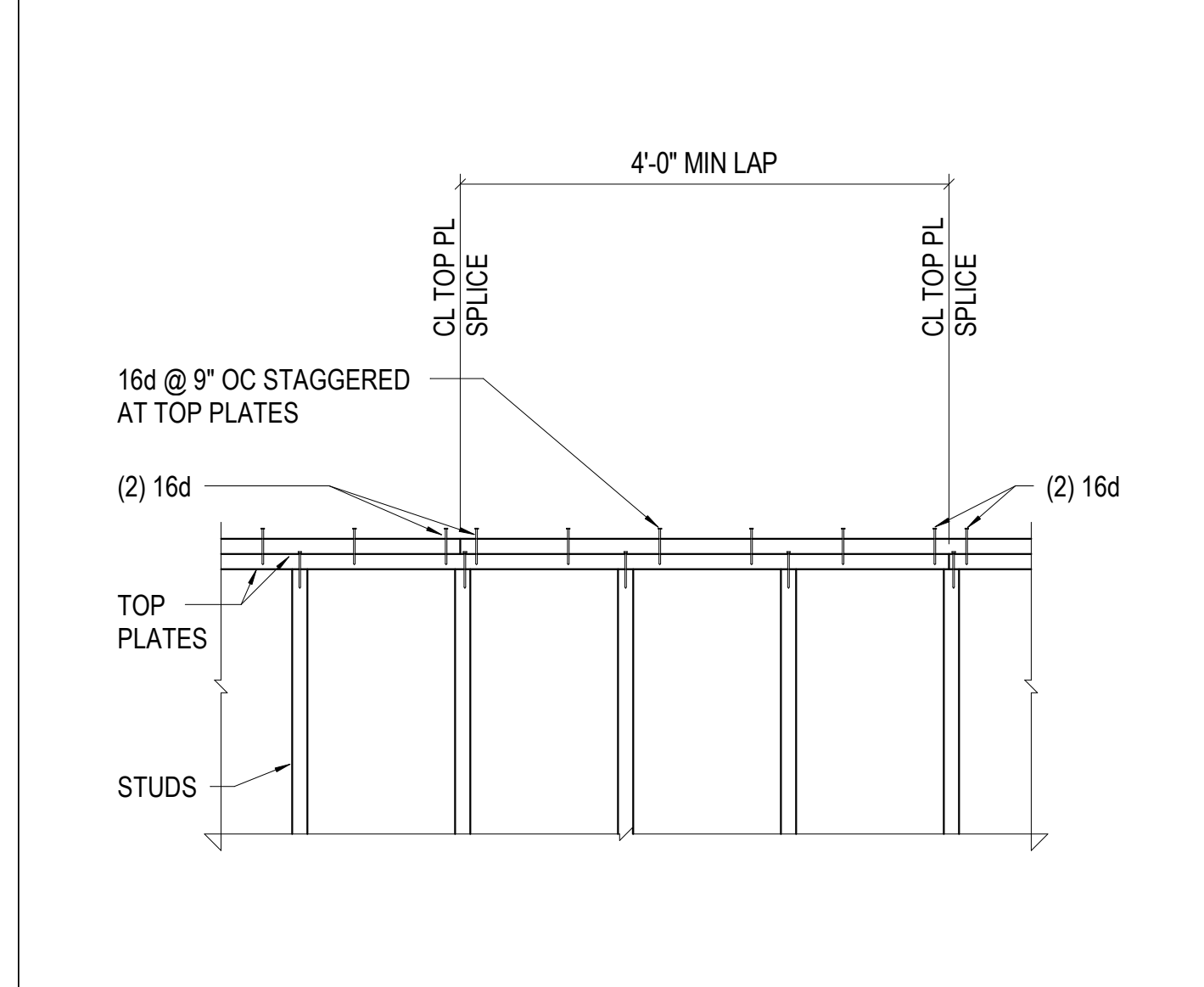
9 1" = 1'-0" TYPICAL WOOD HANGER SCHEDULE



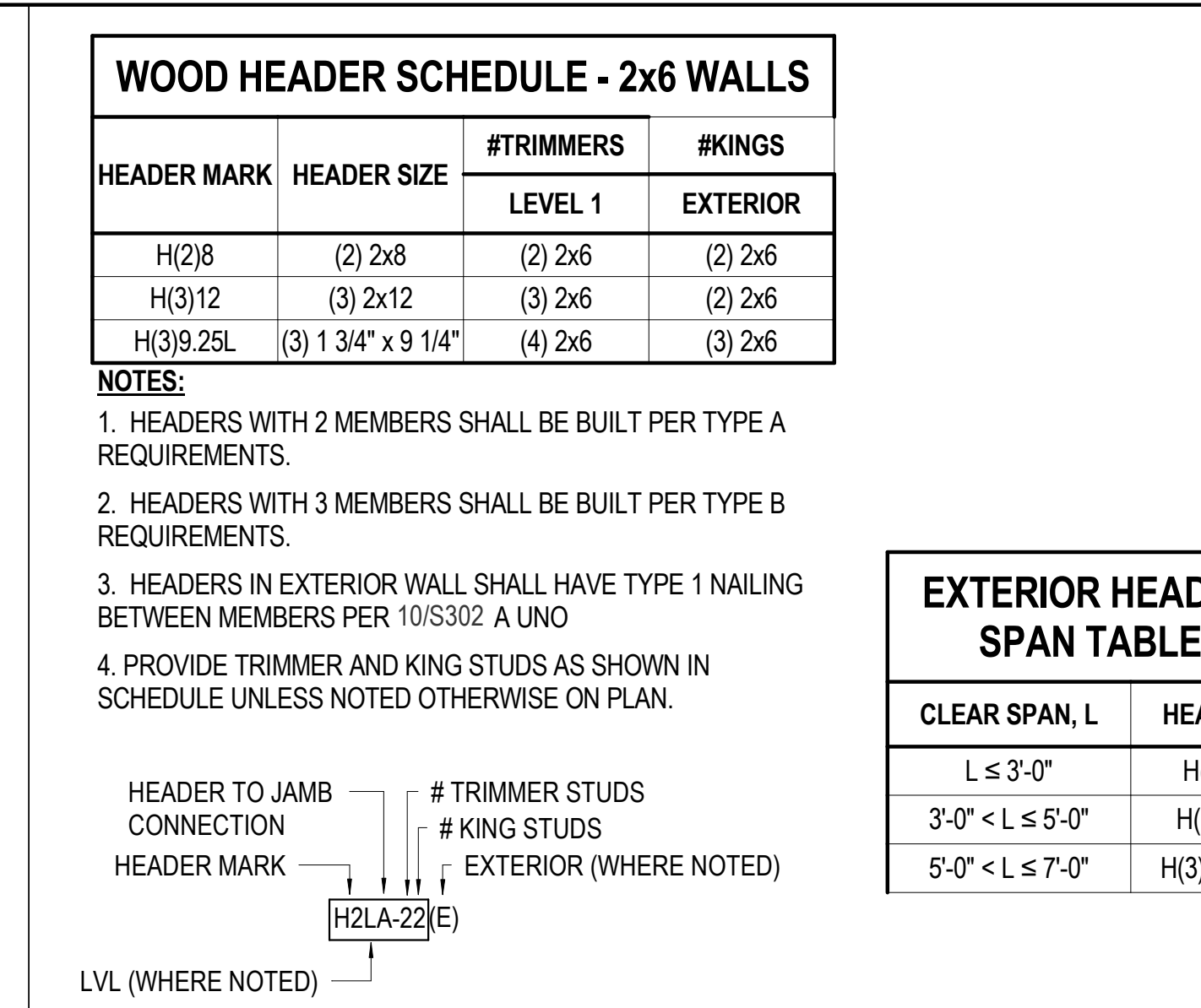
10 1 1/2" = 1'-0" SMALL PROJECT WOOD BEAM NAIL LAYOUT



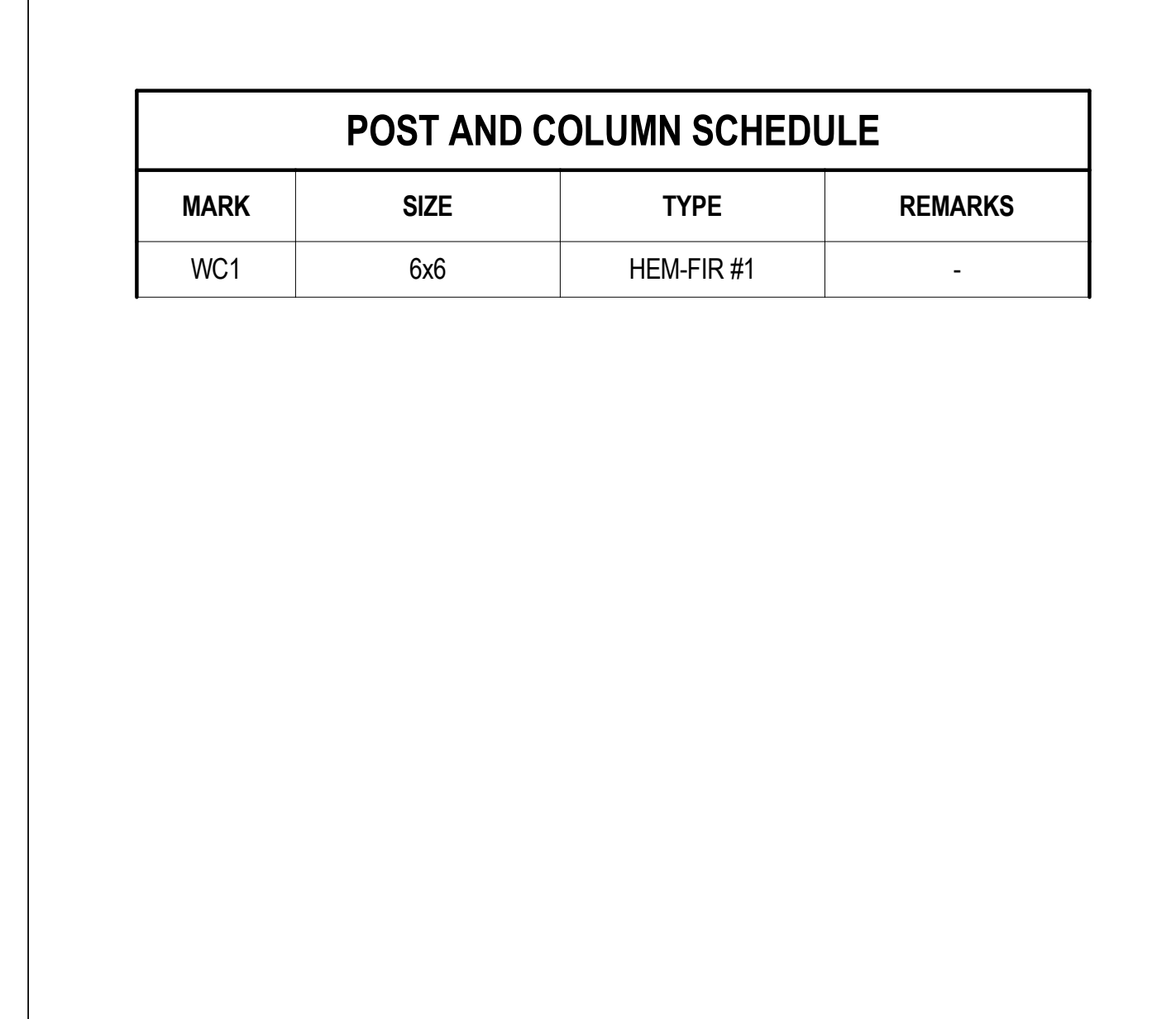
11 NO SCALE TYPICAL WOOD HOLE & NOTCH REQUIREMENTS



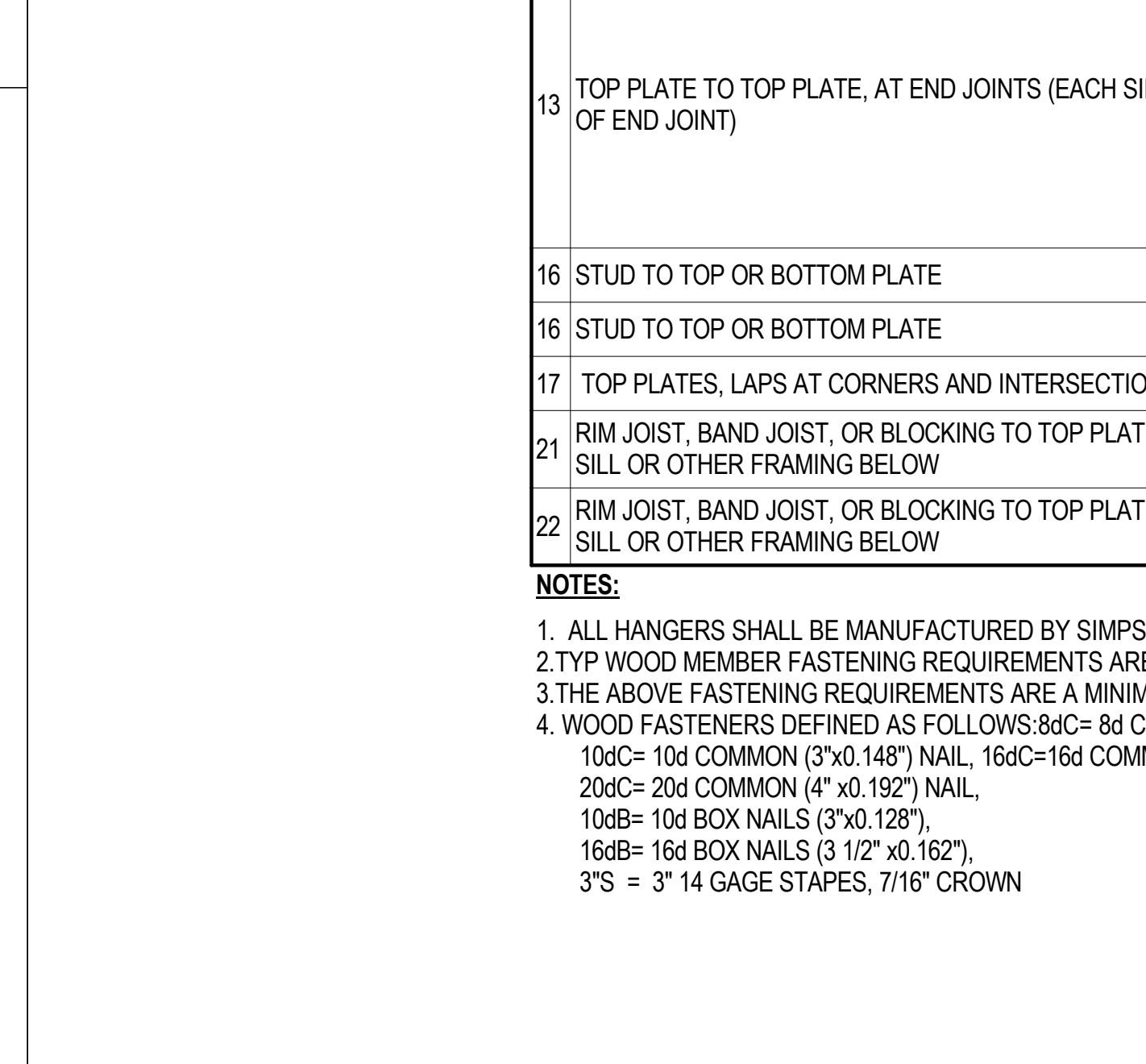
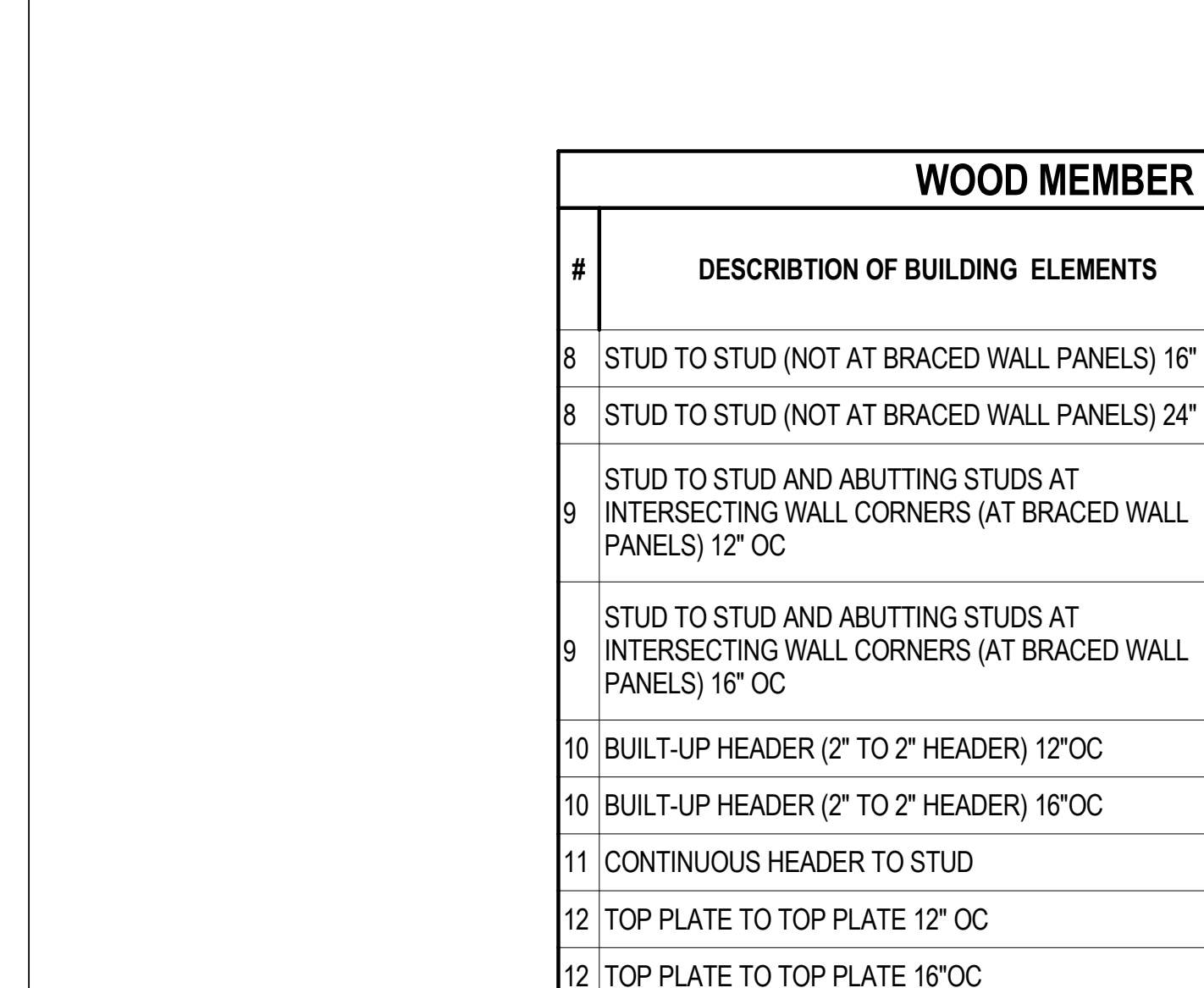
12 NO SCALE TYPICAL WOOD TOP PLATE SPlice



5 3/4" = 1'-0" WALL HEADER CONSTRUCTION

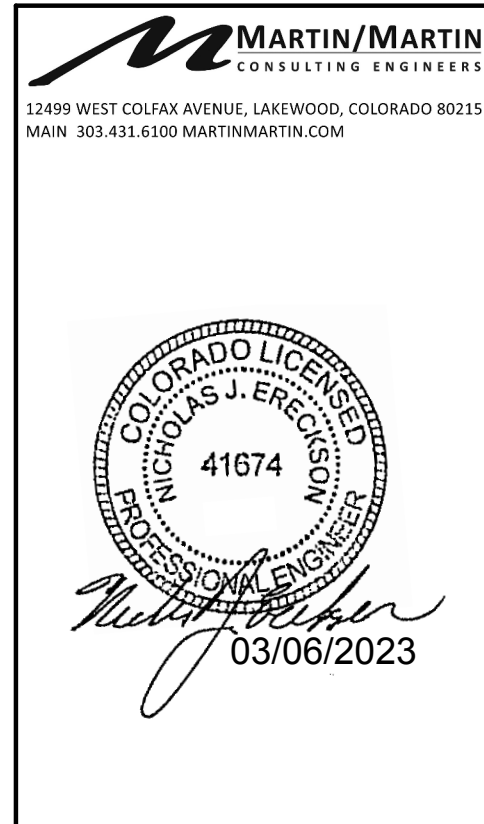


6 3/4" = 1'-0" TYP WOOD COLUMN SCHEDULE



8 1" = 1'-0" WOOD MEMBER FASTENING SCHEDULE

WOOD MEMBER FASTENING SCHEDULE									
#	DESCRIPTION OF BUILDING ELEMENTS	SPACING AND LOCATION	NUMBER AND TYPE OF FASTENER						
			8dC	10dC	16dC	20dC	10dB	16dB	3"x0.131"
8	STUD TO STUD (NOT AT BRACED WALL PANELS) 16" OC	FACE NAIL					1		3
8	STUD TO STUD (NOT AT BRACED WALL PANELS) 24" OC	FACE NAIL			1				
9	STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS (AT BRACED WALL PANELS) 12" OC	FACE NAIL						1	3
9	STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS (AT BRACED WALL PANELS) 16" OC	FACE NAIL			1				
10	BUILT-UP HEADER (2" TO 2" HEADER) 12"OC	FACE NAIL						1	
10	BUILT-UP HEADER (2" TO 2" HEADER) 16"OC	FACE NAIL			1				
11	CONTINUOUS HEADER TO STUD	TOENAIL	4				4		
12	TOP PLATE TO TOP PLATE 12" OC	FACE NAIL					1		1
12	TOP PLATE TO TOP PLATE 16"OC	FACE NAIL			1				
13	TOP PLATE TO TOP PLATE, AT END JOINTS (EACH SIDE OF END JOINT)	FACE NAIL (MINIMUM 24" LAP SPICE LENGTH EACH SIDE OF END JOINT)			8			12	12
16	STUD TO TOP OR BOTTOM PLATE	TOENAIL	4				4		4
16	STUD TO TOP OR BOTTOM PLATE	END NAIL			2		3		3
17	TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS	FACE NAIL			2		3		3
21	RIM JOIST, BAND JOIST, OR BLOCKING TO TOP PLATE, SILL OR OTHER FRAMING BELOW	TOENAIL	3				3		3
22	RIM JOIST, BAND JOIST, OR BLOCKING TO TOP PLATE, SILL OR OTHER FRAMING BELOW	6" OC TOENAIL	1				1		1



REVISIONS		
NO.	ISSUE	DATE
1	ADD NO. 1	2/20/2023

100% CONSTRUCTION DOCUMENTS

PROJECT NO: 22.0119.S01  
DATE: 5/27/2022

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SHEET TITLE:  
DETAILS

SHEET NUMBER:  
S302