

GENERAL STRUCTURAL NOTES

A. GENERAL

1. THE DRAWINGS ARE INTENDED TO SHOW THE GENERAL ARRANGEMENT, DESIGN AND EXTENT OF THE WORK AND ARE PARTIALLY DIAGRAMMATIC. THEY ARE NOT INTENDED TO BE SCALED FOR ROUGH-IN MEASUREMENTS, OR TO SERVE AS SHOP DRAWINGS OR PORTIONS THEREOF.
2. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL OR SECTION IS SHOWN.
3. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR AND ALL THE SUB-CONTRACTORS SHALL VERIFY ALL GRADES, LINES, LEVELS, DIMENSIONS AND COORDINATE EXISTING CONDITIONS AT THE JOB SITE WITH THE PLANS AND SPECIFICATIONS. THEY SHALL REPORT ANY INCONSISTENCIES OR ERRORS IN THE ABOVE TO THE ARCHITECT / ENGINEER BEFORE COMMENCING WORK. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL LAY OUT THEIR WORK FROM ESTABLISHED REFERENCE POINTS AND BE RESPONSIBLE FOR ALL LINES, ELEVATIONS AND MEASUREMENTS IN CONNECTION WITH THEIR WORK.
4. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES ANY REQUIRED SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIE DOWNS WHICH MIGHT BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THE COMPLETION OF THE PROJECT.
5. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
6. THE CONTRACTOR SHALL USE THE STRUCTURAL DRAWINGS AND SPECIFICATIONS TOGETHER WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND OTHER TRADE DRAWINGS AND SHOP DRAWINGS, TO COORDINATE ALL DETAILS, DIMENSIONS, ELEVATIONS, ETC. NOTIFY ARCHITECT/ENGINEER, IN WRITING, OF ANY POTENTIAL CONFLICTS BEFORE PROCEEDING WITH THE WORK.
7. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THESE STRUCTURAL NOTES, THE SPECIFICATIONS, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.

B. GOVERNING CODE: 2018 - INTERNATIONAL BUILDING CODE - NEW JERSEY EDITION

1. ROOF SNOW LOADS
 - a. FLAT-ROOF SNOW LOAD: $P_f = 20$ PSF, 30 PSF DESIGN LOAD
 - b. ALL APPLICABLE EFFECTS DUE TO SNOW DRIFTING. COORDINATE WITH ROOF FRAMING PLAN AND TRUSS DRAWING BASED ON SNOW DENSITY OF 18 PCF.
2. ROOF LIVE LOADS
 - a. MINIMUM ROOF LIVE LOAD = 20 PSF. (SECTION 1607.11.2)
 - b. SEE "PRE-FABRICATED WOOD TRUSSES" DESIGN CRITERIA FOR ADDITIONAL LOADING INFORMATION.
3. WIND LOADS
 - a. ULTIMATE WIND SPEED = 115 MPH
 - b. WIND LOAD IMPORTANCE FACTOR: $I_w = 1.0$ (TABLE 1604.5)
 - c. WIND EXPOSURE CATEGORY "B" (SECTION 1609.4)
4. SEISMIC DESIGN DATA:
 - a. SEISMIC SITE CLASS "D"
 - b. SEISMIC IMPORTANCE FACTOR: $I_e = 1.0$ (TABLE 1604.5)
 - c. STRUCTURAL FRAMING AND SEISMIC RESISTING SYSTEM: LIGHT-FRAMED WALLS WITH SHEAR PANELS R-7
 - d. SEISMIC DESIGN CATEGORY: B
 - e. $C_s = .03$
 $W = 149k$
 $V = 4.5k$

C. FOUNDATION

1. FOUNDATIONS ARE DESIGNED TO BEAR ON NATURAL GRADE OR FILL, WELL COMPACTED OF AN ALLOWABLE BEARING CAPACITY, 2,000 PSF.
2. A CERTIFIED TESTING LABORATORY SHALL BE ENGAGED BY THE OWNER TO VERIFY THAT THE REQUIRED MINIMUM BEARING CAPACITY IS OBTAINED.
3. BOTTOM OF FOOTING ELEVATION TO BE DETERMINED BY THE SOIL CONDITIONS AND FROST-LINE DEPTH, MINIMUM 36" BELOW GRADE
4. ALL LONGITUDINAL REBARS IN THE WALL FOOTINGS, SHALL BE CONTINUOUS AND SPLICED AS SPECIFIED. CONTINUE ALL HORIZONTAL REBARS AT BENTS AND CORNERS BY BENDING THE REBARS 48 BAR DIAMETERS AROUND THE CORNERS OR ADDING MATCHING CORNER BARS, EXTENDING 48 BAR-DIAMETERS INTO FOOTING EACH SIDE OF CORNER OR BENT.

D. REINFORCED CONCRETE

1. MATERIALS:
 - a. SPECIFICATIONS: IN GENERAL, COMPLY WITH ACI 301 (LATEST EDITION) "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS"
 - b. STRUCTURAL CONCRETE:

CLASS	LOCATION	F _c
1)	FOOTINGS, CAISSONS, AND GRADE BEAMS	3,000
2)	INTERIOR SLABS ON GRADE, AND ALL INTERIOR CONCRETE NOT OTHERWISE IDENTIFIED	3,500
3)	PIERS PLACED INTEGRALLY WITH WALLS, EXTERIOR SLABS ON GRADE, AND ALL EXTERIOR CONCRETE (WITH AIR) NOT OTHERWISE IDENTIFIED	3,500
4)	BACKFILL BELOW FOOTINGS AND GRADE BEAMS	1,500

 - a. ALL DEFORMED REINFORCING BARS: F_y = 60,000 PSI
 - d. GALVANIZED WELDED WIRE FABRIC SHALL CONFORM TO ASTM A165 (LATEST EDITION). USE SHEET FORM, NOT ROLLED.
2. FIELD MANUAL: PROVIDE AT LEAST ONE COPY OF THE ACI FIELD REFERENCE MANUAL, SP-15, IN THE FIELD OFFICE AT ALL TIMES.
3. CONTINGENCIES:
 - a. PROVIDE SUPPORTS AS REQUIRED TO MAINTAIN ALIGNMENT AND CONCRETE COVER OVER THE REINFORCING.
4. FOOTINGS:
 - a. VERTICAL DOWELS IN FOOTINGS TO MATCH VERTICAL WALL REINFORCING.
 - b. PROVIDE LEAN CONCRETE (CLASS IV) UNDER FOUNDATIONS FOR ACCIDENTAL OVER-EXCAVATION, SOFT SPOTS AND TRENCHES.
5. SPLICES: UNLESS NOTED OTHERWISE, MINIMUM LAP SPLICE LENGTHS TO BE AS FOLLOWS:
 - a. VERTICAL BARS IN WALLS, PIERS, 30 DIAMETER OR COLUMNS (INCLUDING DOWELS)
 - b. HORIZONTAL BARS IN SLABS & FOOTING 35 DIAMETER
 - c. HORIZONTAL BARS IN WALL 45 DIAMETER
6. SAW-CUT & CONSTRUCTION JOINTS: PROVIDE JOINTS IN ALL SLABS-ON-GRADE, AS INDICATED ON THE FOUNDATION PLAN.
7. CONCRETE COVER: UNLESS NOTED OTHERWISE, DETAIL REINFORCING TO PROVIDE CONCRETE COVER AS FOLLOWS:
 - a. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3 INCHES
 - b. CONCRETE EXPOSED TO EARTH OR WEATHER:

#5 BARS AND SMALLER	1-1/2 INCHES
OTHERS	2 INCHES
 - c. CONCRETE NOT EXPOSED TO EARTH OR WEATHER: BEAM AND COLUMN BARS INCLUDING TIES, STIRRUPS AND SPIRALS: 1-1/2 INCHES
SLABS, WALLS, JOISTS:

#1 BARS AND SMALLER	1 INCH
OTHERS	1-1/2 INCHES

E. MASONRY

1. MATERIALS:
 - a. CONCRETE BLOCK: ASTM C90 (HOLLOW) ASTM C145 (SOLID).
 - b. MORTAR: ASTM C270 TYPE "S", AVERAGE COMPRESSIVE STRENGTH: 1800 PSI MINIMUM (AT 28 DAYS).
 - c. BOND BEAM AND CORE FILL: ASTM C476, COARSE TYPE.
 - d. JOINT REINFORCING: MILL GALVANIZED FINISH, 9 GAGE MINIMUM SIDE WIRES AND CROSS WIRES (LADDER OR TRUSS TYPE).
 - e. BAR REINFORCING: ASTM A615, GRADE 60.
2. REINFORCED MASONRY, WHERE VERTICAL BARS ARE TO BE GROUTED INTO CORES, THE FOLLOWING REQUIREMENTS APPLY:
 - a. PROVIDE DOWELS FROM FOOTING, SAME SIZE AND SPACING AS WALL BARS. LAP 12 INCHES MINIMUM WITH WALL BAR. EMBED INTO FOOTING 9 INCHES.
 - b. PROVIDE A CONTINUOUS VERTICAL CAVITY, AT LEAST 2"x3" IN SIZE, FREE OF MORTAR DROPPINGS.
 - c. AT SPLICES IN VERTICAL BARS, PROVIDE MECHANICAL COUPLERS OR 48 DIAMETER LAP.
 - d. ALL REINFORCEMENT MUST BE INSTALLED AND SECURELY ANCHORED IN PLACE PRIOR TO PLACEMENT OF GROUT.
3. MISCELLANEOUS:
 - a. FILL CORE SOLID AROUND ANCHOR BOLTS.
 - b. PROVIDE 100% SOLID BLOCKS OR SOLIDLY FILLED HOLLOW BLOCKS AT ALL EXPANSION BOLT LOCATIONS.
 - c. HOLLOW MASONRY UNITS TO BE LAID WITH FULL MORTAR COVERAGE ON HORIZONTAL AND VERTICAL FACE SHELLS. WEBS SHALL ALSO BE BEDDED IN ALL COURSES IN THE STARTING COURSE ON FOOTINGS, AND WHEN ADJACENT TO CELLS OR CAVITIES TO BE REINFORCED OR FILLED WITH CONCRETE OR GROUT. SOLID UNITS TO BE LAID WITH FULL HEAD AND BED JOINTS.
 - d. PROVIDE JOINT REINFORCING AT 18 INCHES ON CENTER (O.C.) OR AS NOTED.
 - e. LAP JOINT REINFORCING 6 INCHES FOR STANDARD, 15 INCHES FOR HEAVY WEIGHT.
 - f. WHERE MASONRY UNITS ARE USED ABOVE HOLLOW UNITS OF A DIFFERENT THICKNESS, PROVIDE A CONTINUOUS COURSE OF 100% SOLID MASONRY (OR SOLID GROUTED BLOCK) AT LEAST 8 INCHES HIGH BELOW TRANSITION.

F. STRUCTURAL LUMBER

1.
 - a. STUDS: STRUCTURAL LUMBER: SPRUCE-PINE-FIR, NO. 2 OR BETTER;
 - b. ROOF/WALL: ORIENTED STRAND BOARD: STRUCTURAL 1, EXPOSURE 1, EXTERIOR GLUE. FOR ROOF AND WALLS PANEL IDENTIFICATION INDEX 24/16 - 5/8 INCH OR 24/0 - 1/2 INCH (WITH PLYWOOD CLIPS AT ROOF).
 - c. ROOF/WALL: PLYWOOD: C-PLUGGED, STRUCTURAL 1, EXPOSURE 1, EXTERIOR GLUE FOR ROOF AND WALL PANEL IDENTIFICATION INDEX 24/16-5/8 INCH OR 24/0-1/2 INCH (WITH PLYWOOD CLIPS AT ROOF).
 - d. SILL PLATES: NO. 1 SOUTHERN YELLOW PINE.
 - e. ENGINEERED LUMBER: MINIMUM DESIGN PROPERTIES:

	E (PSI)	F _b (PSI)	F _c (PARA)(PSI)	F _t (PERP)	F _v (PSI)
LVL HEADERS & STUDS	2.0 x 10 ⁶	2600	2500	750	285
LVL POSTS	1.8 x 10 ⁶	2400	2500	425	190
2. SPECIFICATIONS: UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION AND ERECTION SHALL BE GOVERNED BY THE LATEST REVISIONS OF:
 - a. NATIONAL DESIGN SPECIFICATION FOR STRESS-GRADE LUMBER AND ITS FASTENINGS.
 - b. U.S. PRODUCT STANDARD PS-1 FOR SOFTWOOD PLYWOOD - CONSTRUCTION AND INDUSTRIAL.
3. CONNECTIONS:
 - a. JOISTS TO BEAMS - 16 GA. GALVANIZED STD. JOIST HANGERS, UNLESS SHOWN OTHERWISE.
 - b. PLYWOOD TO ROOF TRUSSES OR RAFTERS - NAILED - USE 8d RING SHANK NAILS AT 8 INCHES O/C AT PANEL EDGES AND 12 INCHES C/C AT INTERMEDIATE SUPPORTS. PROVIDE PLYWOOD CLIPS AT MID-SPAN OF PLYWOOD BETWEEN SUPPORTS.
4. ALL STRUCTURAL WOOD TO BE SURFACED FOUR (4) SIDES (S-4-S) A AND MAXIMUM MOISTURE CONTENT OF 19 PERCENT.
5. ALL LUMBER AND PLYWOOD IN CONTACT WITH CONCRETE, STUCCO, MASONRY OR OTHER CEMENTITIOUS MATERIALS SHALL BE TREATED WITH AN E.P.A. ACCEPTABLE WOOD PRESERVATIVE (SUCH AS "ACQ" - ALKALINE-COPPER-QUATERNARY OR "CBA-A" COPPER AZOLE TYPE A & B).
6. ALL WOOD CONNECTORS SHALL BE GALVANIZED STEEL OR RUST-PROOF PAINTED STEEL (U.N.O.). ALL GALVANIZED METAL CONNECTORS IN CONTACT WITH TREATED WOOD (ITEM #6) SHALL BE "TRIPLE-ZINK G-185" GALVANIZED. ANY FIELD WELDS (INTERIOR OR EXTERIOR) OF SUCH CONNECTORS SHALL BE WIRE BRUSH CLEANED AND RUST PROOF PAINTED.
7. MISCELLANEOUS:
 - a. USE ONE LINE OF SOLID BLOCKING OR CROSS BRIDGING AT 8'-0" O/C MAX. FOR ALL JOISTS AND RAFTERS, USE SOLID BLOCKING AT JOIST AND RAFTER BEARING.
 - b. USE SOLID BLOCKING AT MID-HEIGHT FOR ALL EXTERIOR STUD WALLS AND INTERIOR BEARING PARTITIONS.
 - c. USE DOUBLE STUDS UNDER BEAM AND LINTEL BEARING, UNLESS SHOWN OTHERWISE.

G. PRE-FABRICATED WOOD TRUSSES

1. MATERIALS:
 - a. LUMBER: SEE "STRUCTURAL LUMBER" SECTION FOR WOOD INFORMATION.
 - b. METAL CONNECTOR PLATES: GALVANIZED SHEET STEEL ASTM A446 (LATEST EDITION) GRADE "A", COATING CLASS G60 PER ASTM A525 (LATEST EDITION), MANUFACTURED WITH HOLES, PLUGS, TEETH, OR PRONGS UNIFORMLY SPACED AND FORMED. SEE "STRUCTURAL LUMBER" SECTION FOR GALVANIZED CONNECTIONS FOR TREATED WOOD.
2. DESIGN CRITERIA:
 - a. LOADING:

TOP CHORD LIVE LOAD:	30 PSF (SNOW LOAD + DRIFT)
TOP CHORD DEAD LOAD:	10 PSF + MECH EQUIP.
BOTTOM CHORD DEAD LOAD:	10 PSF
NET WIND UPLIFT:	10 PSF
 - b. DESIGN OF MEMBERS AND CONNECTIONS IS TO BE BY A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF THIS PROJECT, EXPERIENCED IN SIMILAR DESIGN, RETAINED BY THE TRUSS MANUFACTURER.
 - c. SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY THE ENGINEER RESPONSIBLE FOR THE TRUSS DESIGN.
 - d. MEMBER SIZES SHOWN ARE MINIMUM SIZES.
 - e. MAXIMUM LIVE LOAD DEFLECTION IS TO BE L/360.
 - f. MAXIMUM TOTAL LOAD DEFLECTION IS TO BE L/240.
3. MISCELLANEOUS:
 - a. BOLT TOP CHORDS OF ALL MULTIPLE MEMBER TRUSSES TOGETHER WITH 1/2" DIA. BOLTS AT 4'-0" O.C. BOLT WEB MEMBERS TOGETHER WITH 1/2" DIA. BOLTS AT 2'-0" O.C. AT CONCENTRATED LOADS, UNLESS OTHERWISE SPECIFIED OR APPROVED BY THE TRUSS DESIGN ENGINEER.
 - b. VERIFY ALL DIMENSIONS, ELEVATIONS AND SLOPES PRIOR TO MANUFACTURING. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ARCHITECT.
 - c. WOOD TRUSSES SHALL BE DESIGNED AND FABRICATED TO CONFORM TO THE GEOMETRY SHOWN ON THE DRAWINGS. WEB CONFIGURATIONS ARE TO BE DETAILED AS REQUIRED BY THE DESIGNER/FABRICATOR.
 - d. PROVIDE 2x4 BOTTOM CHORD BRIDGING AT A MAXIMUM SPACING OF 10'-0" O.C.
 - e. U.N.O. TRUSS HOLD-DOWNS ARE SIMPSON H2.5A OR EQUAL.

H. ABBREVIATIONS

T = TOP	T.O.W. = TOP OF WALL ELEVATIONS
B = BOTTOM	S.O.G. = SLAB ON GRADE
C.M.U. = CONCRETE MASONRY UNIT	W.W.F. = WELDED WIRE FABRIC
E.F. = EACH FACE	U.N.O. = UNLESS NOTED OTHERWISE
E.W. = EACH WAY	TYP = TYPICAL
E.E. = EACH END	T.B. = TRUSS BEARING ELEVATION
O.C. = ON CENTER	J.B. = JOIST BEARING ELEVATION
T.O.F. = TOP OF FOOTING ELEVATION	L.L.V. = LONG LEG VERTICAL
T.O.S. = TOP OF SLAB ELEVATION	L.L.H. = LONG LEG HORIZONTAL

PERMIT DOCUMENTS

06/15/21

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STRUCTURAL
NOTES/DETAILS

S0.0

06/15/21

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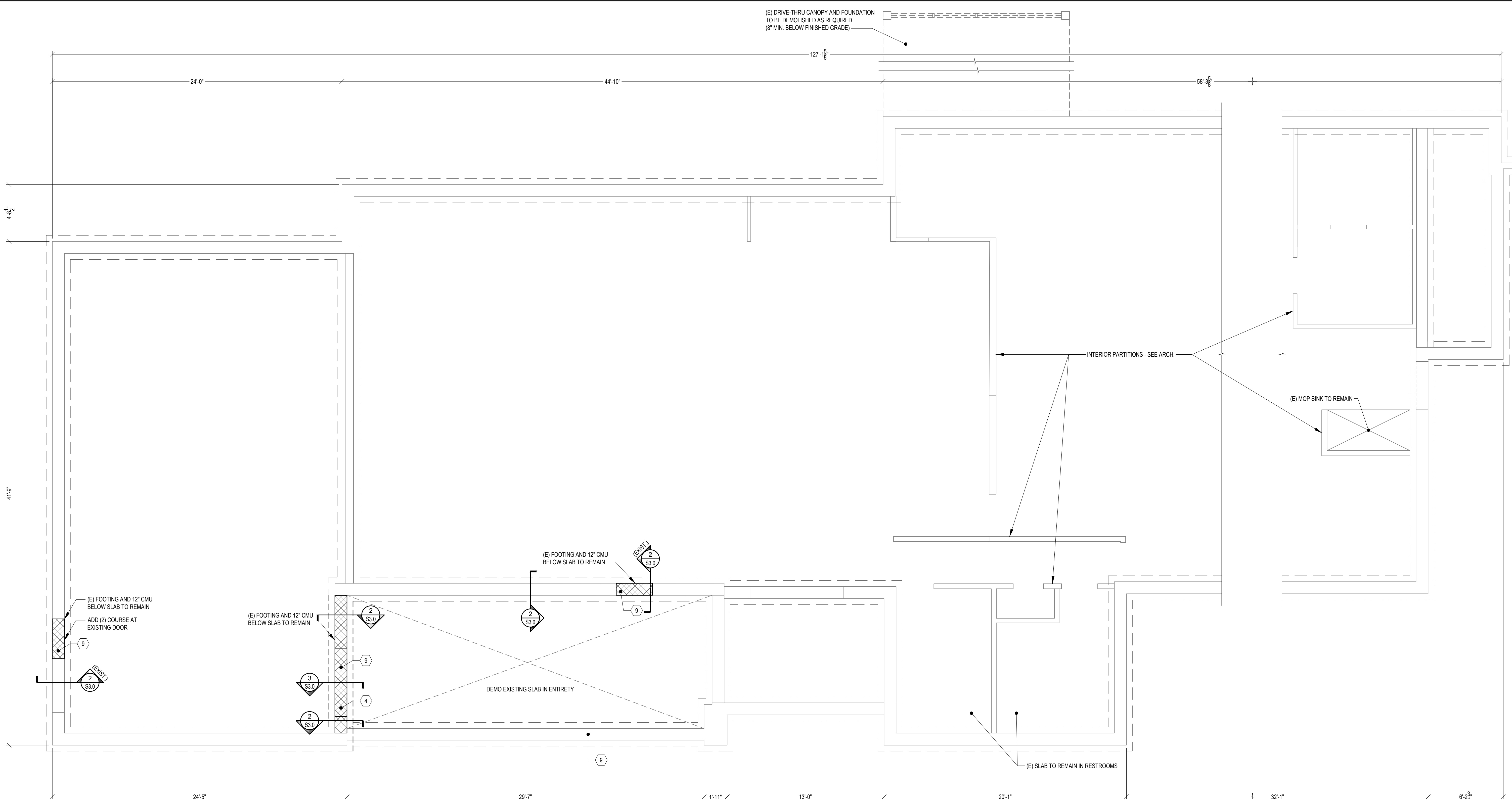
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FOUNDATION PLAN
S1.0



FOUNDATION PLAN

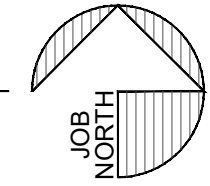
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- A. FOUNDATION DESIGN IS BASED ON AN ASSUMED ALLOWABLE BEARING CAPACITY OF 2000 PSF. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THIS BEARING CAPACITY.
- B. ALL FOOTING EXCAVATIONS SHALL BE INSPECTED AND APPROVED BY MUNICIPALITY INSPECTOR PRIOR TO PLACING CONCRETE. EXCAVATIONS SHALL BE FREE OF WATER AT ALL TIMES.
- C. NO ENGINEERED FILL SHALL BE PLACED UNTIL EXCAVATION BOTTOMS HAVE BEEN INSPECTED AND APPROVED BY MUNICIPALITY INSPECTOR.
- D. BACKFILLING:
 - 1. BOTH SIDES OF FOUNDATION WALLS SHALL BE BACKFILLED SIMULTANEOUSLY SO AS TO PREVENT OVERTURNING OR LATERAL MOVEMENT OF WALLS.
 - 2. NO FILL OR BACKFILL SHALL BE SETTLED BY THE USE OF WATER.
- E. SEE SHEET S0.0 FOR STRUCTURAL NOTES.
- F. SEE ELECTRICAL AND PLUMBING DRAWINGS FOR LOCATIONS OF UNDERGROUND CONDUIT AND PIPING.
- G. ALL CONTINUOUS FOOTINGS SHALL BE CENTERED UNDER FOUNDATION WALLS UNLESS NOTED OTHERWISE.
- H. CHECK SITE PLANS FOR BOLLARD LOCATIONS. 6" DIA. x 8'-0" STEEL BOLLARD, FILL WITH CONCRETE. TOP OF BOLLARD AT 5'-0" ABOVE SURFACE OF PAVING WITH 24" DIA. x 3'-0" DEEP CONCRETE FOOTING. COORDINATE FINAL LOCATION WITH ARCHITECT AND CIVIL DRAWINGS. SEE DETAIL JS4.0.

KEYED NOTES: (SOME NOTES MAY NOT BE USED)

- 1 24" WIDE x 12" DEEP CONTINUOUS CONCRETE FOOTING WITH (3) #5 BARS CONTINUOUS AND #4 TIE BARS AT 48" O.C. TOP OF FOOTING AT 2'-8" B.F.F. TYP. U.N.O. STEP FOOTING AS REQUIRED. SEE DETAIL CS4.0
- 2 12" NOMINAL CMU FOUNDATION WALL. SEE SECTIONS FOR FOUNDATION WALL REINFORCING, TYPICAL (U.N.O.)
- 3 4" CONCRETE SLAB WITH 6x6-W1.4xW1.4 W.W.F. AT MID DEPTH OVER 6 MIL VAPOR BARRIER OVER 4" GRANULAR FILL. EXTERIOR SLABS TO BE AIR-ENTRAINED 6% ± 1 1/2% BY VOLUME. ENTRAINING MIXTURE TO COMPLY WITH ASTM C260. SEE ARCHITECTURAL DRAWINGS FOR INSULATION REQUIREMENTS.
- 4 PLACE SLAB THRU AT OPENINGS.
- 5 CONTROL CONSTRUCTION JOINTS. SEE DETAIL A/S4.0 AND GENERAL NOTES.
- 6 4'-0"x4'-0" AREA SLOPED TO DRAIN AT 2% (TYPICAL). COORDINATE WITH PLUMBING AND ARCHITECTURAL DRAWINGS FOR FINAL LOCATIONS.
- 7 5 1/4" x 5 1/4" LVL POST. PROVIDE SIMPSON HDU2-SDS2.5 AT PLAYGROUND CORNER POST. BASE AS PER PLAN.
- 8 16"x24" CONCRETE PIER WITH (8) #5 VERTICAL BARS AND #3 TIES AT 12" O.C.
- 9 REMOVE/STOP FOUNDATION WALL (1) COURSE BELOW TOP OF SLAB. (-0'-8")
- 10 PORTION OF SLAB TO BE RECESSED FOR PLAY UNIT SAFETY SURFACE - REFERENCE DETAILS PROVIDED BY MANUFACTURER. SEE DETAIL MS4.0.



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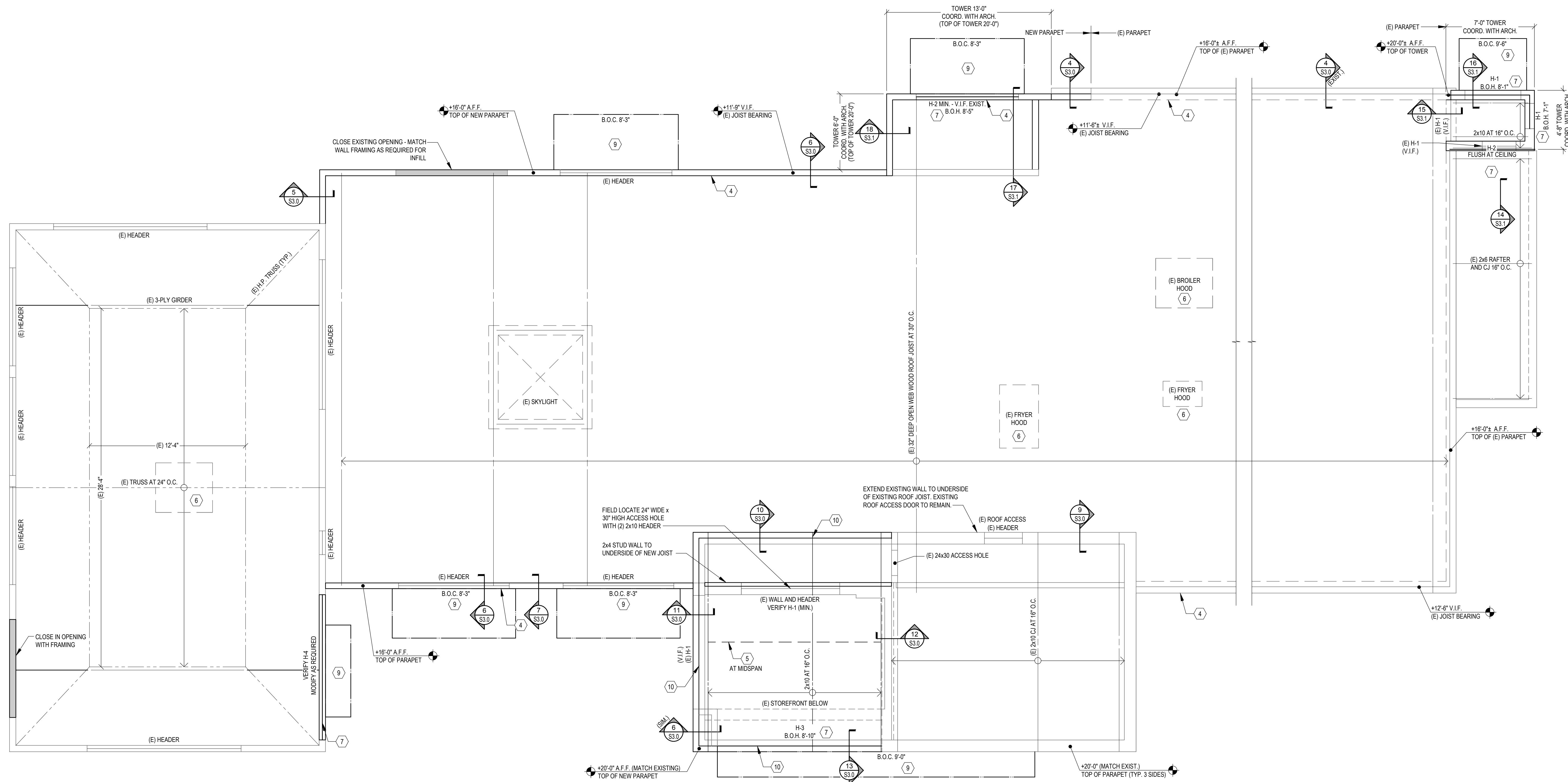
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ROOF FRAMING PLAN
S2.0



ROOF/WALL SHEATHING SCHEDULE

SHEAR WALL SCHEDULE

WALL	LENGTH	HOLD-DOWNS	SHEATHING	NAILING PATTERN
(W1)	PER PLAN	SIMPSON HD05 W/ (14) SDS 1/4x2 1/2 SCREWS	S-1	N-1
(W2)	PER PLAN	SIMPSON HDU11 W/ (30) SDS 1/4x2 1/2 SCREWS	S-1	N-2

SHEAR WALL SCHEDULE NOTES:

SHEATHING
S-1: 7/16" OSB, EXTERIOR GRADE, PANEL EDGES UNBLOCKED

NAILING
N-1: 8d NAILS AT 4" ON CENTER AT ALL PANEL EDGES AND 6" ON CENTER AT INTERMEDIATE SUPPORTS
N-2: 8d NAILS AT 4" ON CENTER AT ALL PANEL EDGES AND 4" ON CENTER AT INTERMEDIATE SUPPORTS
NOTE: PROVIDE 6x6 POST OR PACKED STUDS AT EACH END OF SHEAR WALL FOR HOLD-DOWN ATTACHMENT. PROVIDE ANCHOR BOLTS PER SIMPSON RECOMMENDATION AND EMBED PER 5/S3.0

ROOF DIAPHRAGM
USE 5/8" OSB SHEATHING, EXTERIOR GRADE, BLOCKED AT PANEL EDGES, WITH 8d NAILS AT 6" ON CENTER AT PANEL EDGES AND INTERMEDIATE SUPPORTS.

NON-SHEAR WALL NAILING
N-1: 8d NAILS AT 6" ON CENTER AT ALL PANEL EDGES AND 12" ON CENTER AT INTERMEDIATE SUPPORTS

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

GENERAL NOTES:

- ROOF OPENINGS FOR A/C UNITS: CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH MFR. AND SUPPLY SHOP DRAWINGS FOR INSTALLATION.
- IF REMOTE COMPRESSORS ARE USED, CONTRACTOR SHALL COORDINATE INSTALLATION WITH EQUIPMENT MANUFACTURER.
- SEE A2.3 FOR DETAIL OF SCUPPERS, ROOF DRAINS, ROOF PENETRATIONS AND PITCH PANS.
- REFERENCE MECHANICAL SHEETS FOR RTU MOUNTING DETAILS.
- STRUCTURAL DESIGN CRITERIA: REFERENCE GENERAL NOTE, SHEET S0.0.
- TRUSS MANUF. TO SUBMIT SHOP DRAWINGS FOR APPROVAL, PRIOR TO FABRICATION. PROVIDE MINIMUM OF (1) SIMPSON H2.5A CONNECTOR AT EACH TRUSS SUPPORT (PROVIDE GREATER IF REQUIRED BY ANALYSIS).
- REFERENCE SHEET S0.0 FOR DETAILS OF TRUSS PROFILES
- ALL HORIZ. FRAMING LUMBER, INCLUDING 2x JOISTS, BEAMS AND HEADERS SHALL BE NO. 2 SPRUCE-PINE-FIR OR BETTER.
- ALL WOOD STUDS SHALL BE STRUCTURAL NO. 2 SPRUCE-PINE-FIR OR BETTER.
- ALL BEAM SPLICES SHALL OCCUR OVER SUPPORT COLUMNS UNLESS NOTED OTHERWISE.

KEYED NOTES:

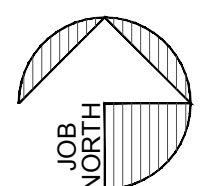
- 5/8" CDX PLYWOOD SHEATHING TYPICAL. REFER TO ROOF DIAPHRAGM NAILING NOTE ON THIS SHEET.
- PREFAB. WOOD TRUSSES AT 2'-0" O.C. MAX. (TYP.) UNLESS NOTED.
- ROOF OPENING FOR MECHANICAL SYSTEMS, REF. TO MECH. SHEETS FOR SIZE OF ROOF PENETRATIONS, CONFIRM ALL LOCATIONS WITH MECH. & ARCH. SHEETS.
- UNLESS NOTED OTHERWISE TOP OF PARAPET WALL IS 16'-0".
- WOOD BRIDGING, REFERENCE DETAIL F/S4.0.
- REFER TO MECHANICAL DRAWING FOR A/C CURB MOUNTING DETAIL AND LOCATION.
- WOOD HEADER, HEIGHTS VARY - SEE ARCH PLANS
- 5 1/4"x5 1/4" LVL POST TO EXTEND TO TRUSS BEARING DOUBLE TOP PLATE. ATTACH HEADERS TO POST WITH SIMPSON HUCQ812-SDS.
- CANOPY CONNECTION SEE DETAIL G/S4.0
- ALL WALL FRAMING TO BE 2x6 WOOD STUDS @ 16" O.C. (U.N.O.)
- 2x6 BETWEEN TRUSSES AT 2'-0" MAX. (MATCH TOP CHORD DEPTH) USE SIMPSON JOIST HANGER - EACH END.
- ROOF HATCH OPENING. COORDINATE SIZE WITH MANUFACTURER. LOCATION WITH ARCHITECTURAL DRAWINGS.
- OUTSIDE FACE OF STUD. COORDINATE WITH ARCHITECTURAL FOR DIMENSION.

HEADER SCHEDULE (7)

MARK	TYPE	SIZE	JAMB STUDS		REMARKS
			JACK	FULL HT.	
H-1		(3) 2x10 WITH 1/2" PWD PLATES, 2x6 TOP & BOTTOM	(1) 2x6	(2) 2x6	SEE COMPOSITE BEAM DETAIL BELOW
H-2		5 1/4 x 9 1/4 LVL, 2x6 TOP & BOTTOM	(2) 2x6	(3) 2x6	
H-3		5 1/4 x 11 1/4 LVL, 2x6 TOP & BOTTOM	(2) 2x6	(3) 2x6	SIMPSON HTP37Z EACH FACE TO JACK STUD
H-4		5 1/4 x 11 1/4 LVL, 2x6 TOP & BOTTOM	(3) 2x6	(3) 1 3/4 x 5 1/4 LVL	SIMPSON HTP37Z EACH FACE TO JACK STUD

NOTE:
AT H-1A HEADER USE (3) FULL HEIGHT 2x6 KING STUDS.

(3)2x6 HEADER AT WINDOWS AND DOORS WITH (2) 1/2" PLYWOOD SHIMS, GLUE AND PLYWOOD TOGETHER TO MAKE COMPOSITE BEAM. PROVIDE (2) ROWS #10 SCREWS x 4" LONG AT 12" O.C.



06/15/21

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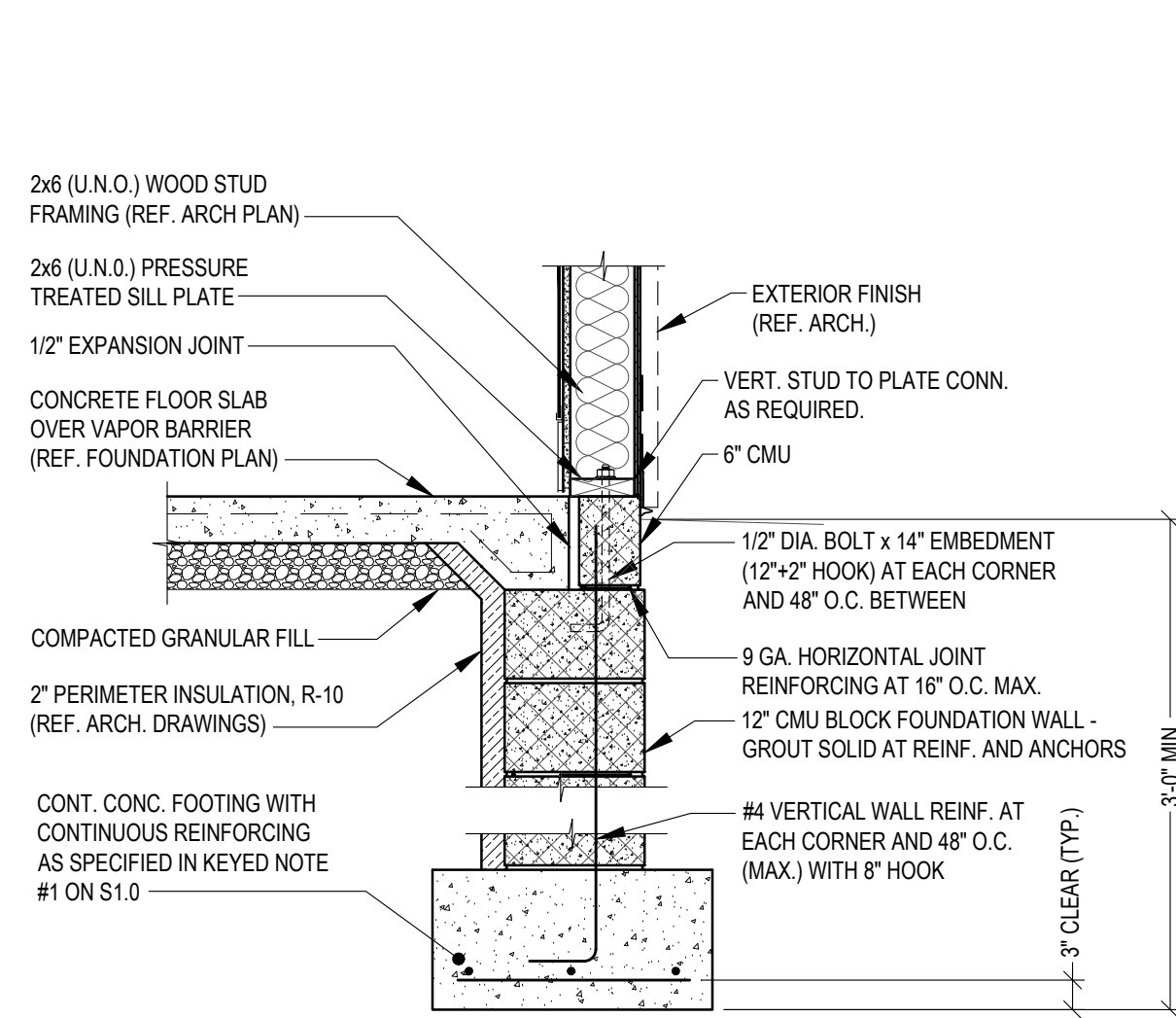


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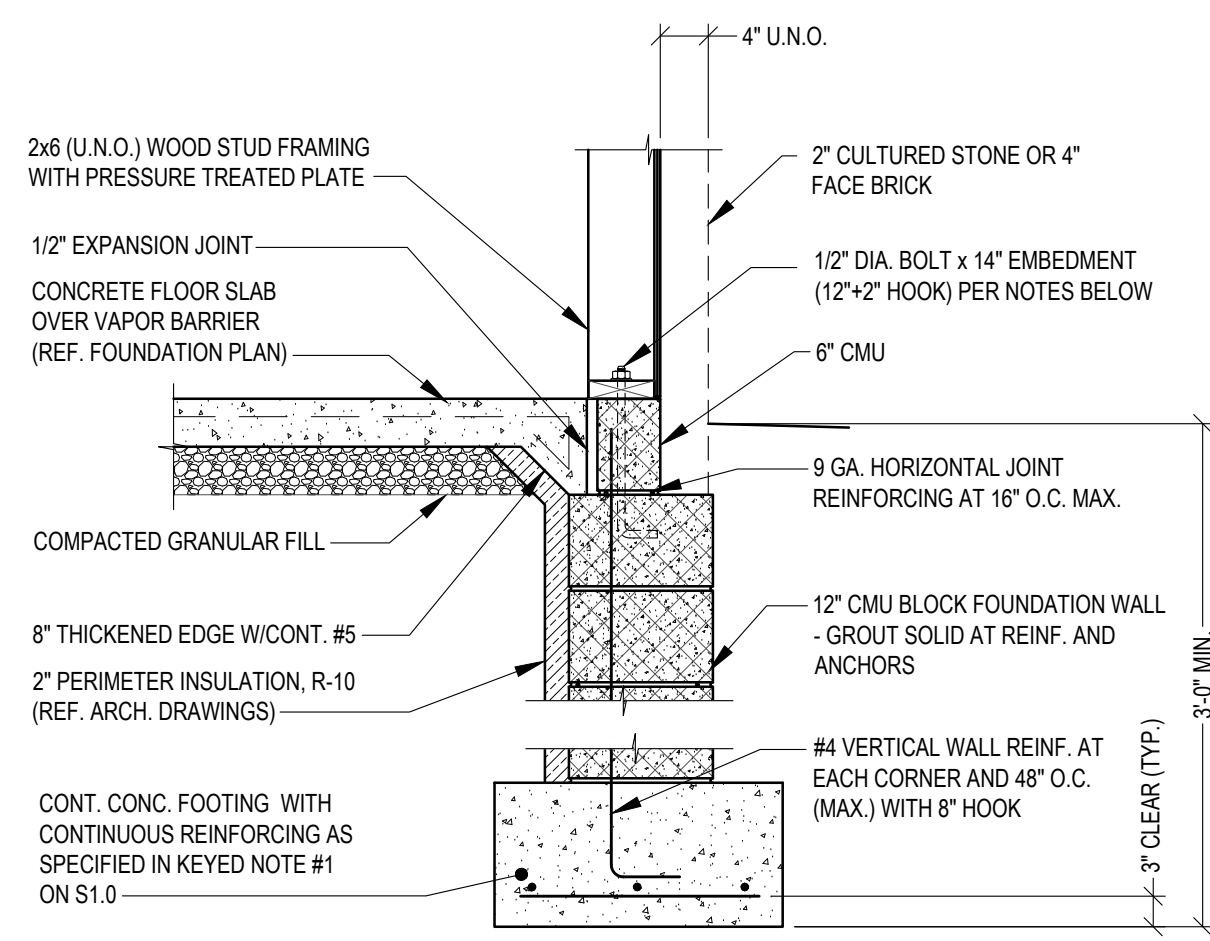
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SECTIONS

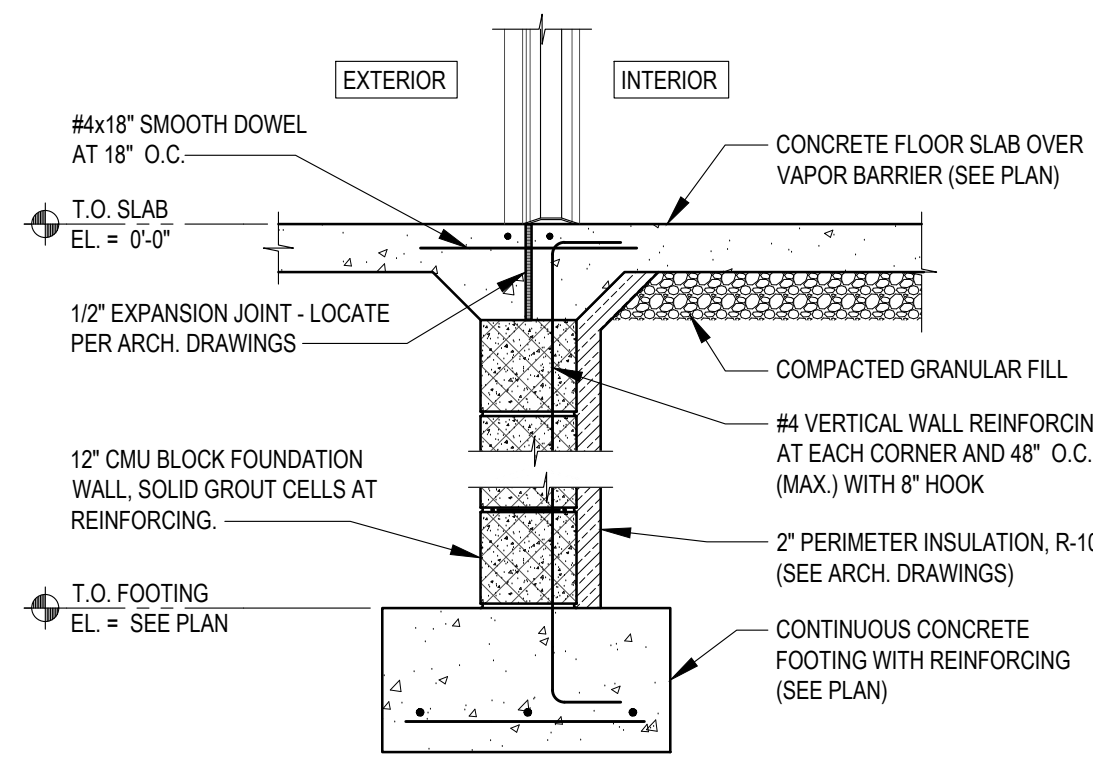
S3.0



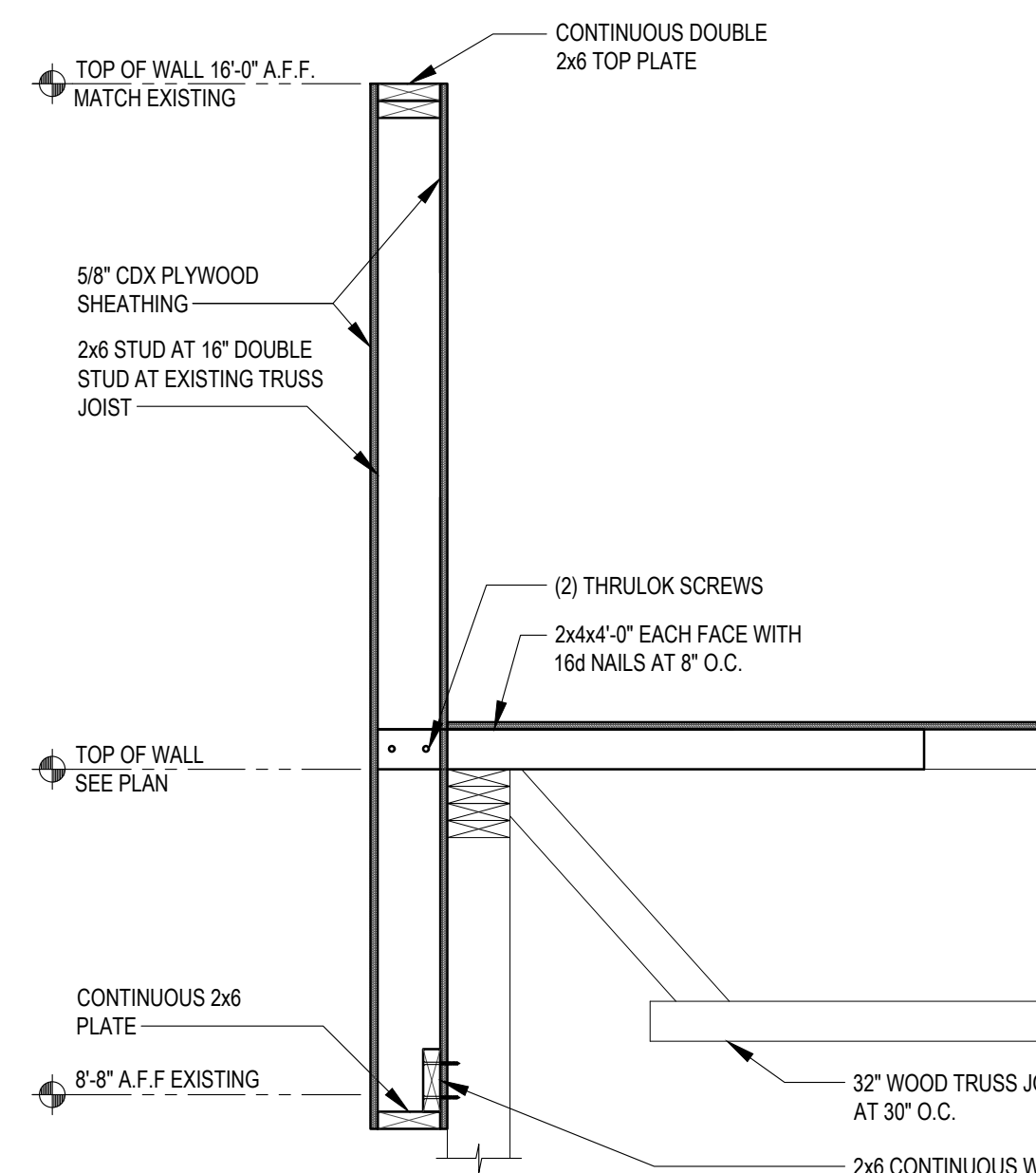
FOUNDATION SECTION
SECTION 1
SCALE: 3/4" = 1'-0"



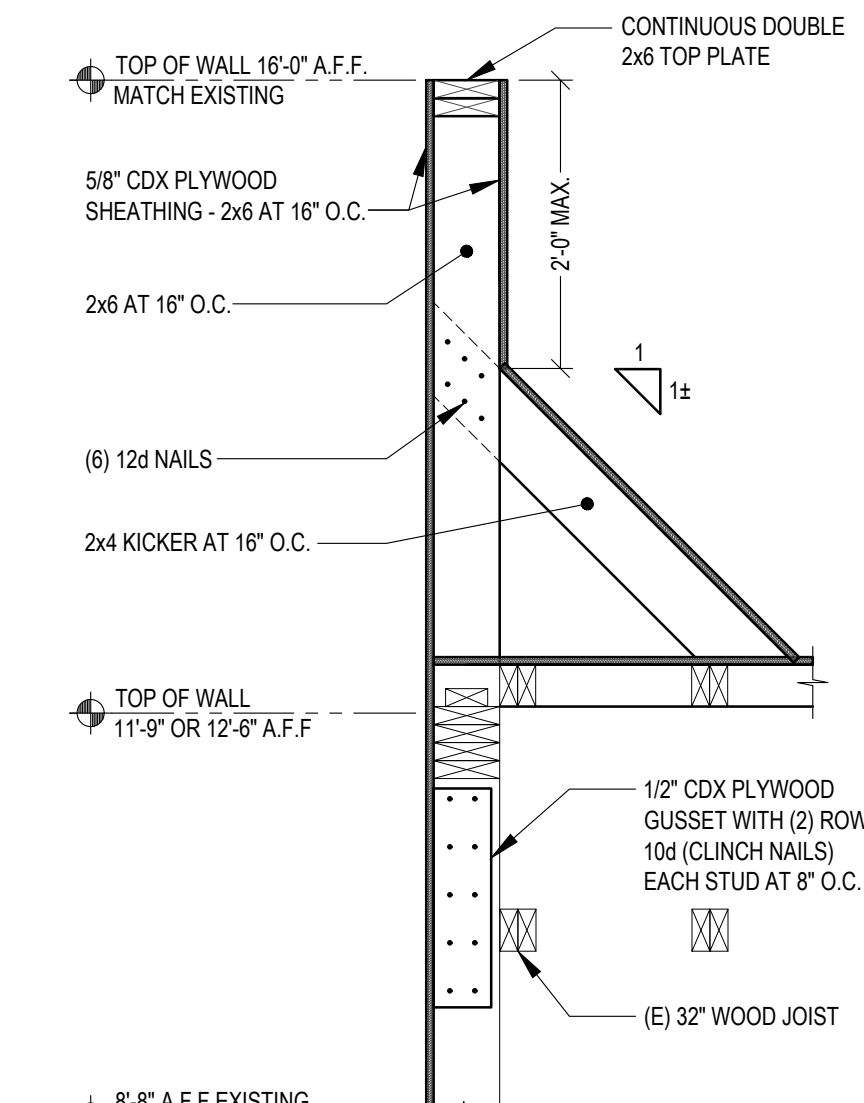
FOUNDATION SECTION 2
SCALE: 3/4" = 1'-0"



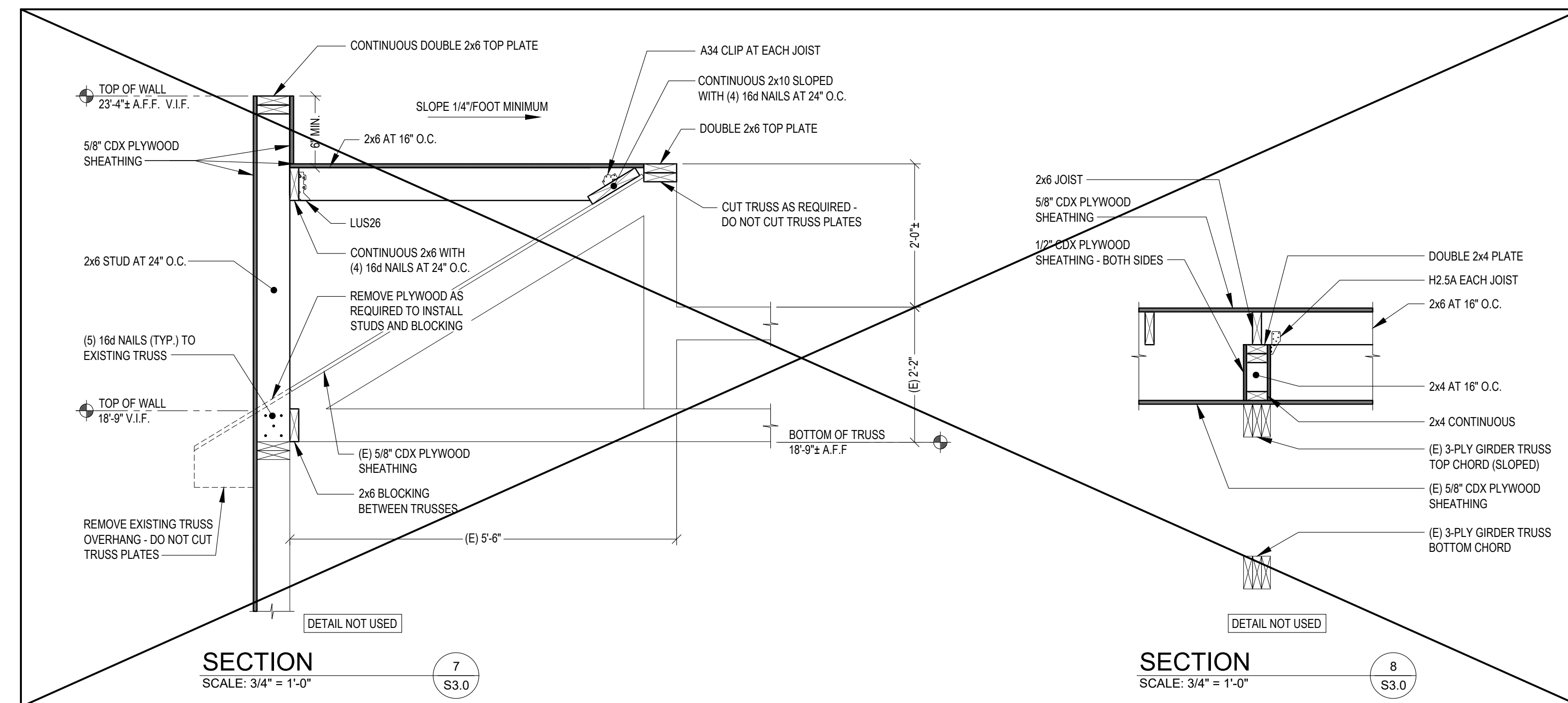
TYPICAL EXTERIOR DOOR SLAB DETAIL SECTION 3
SCALE: 3/4" = 1'-0"



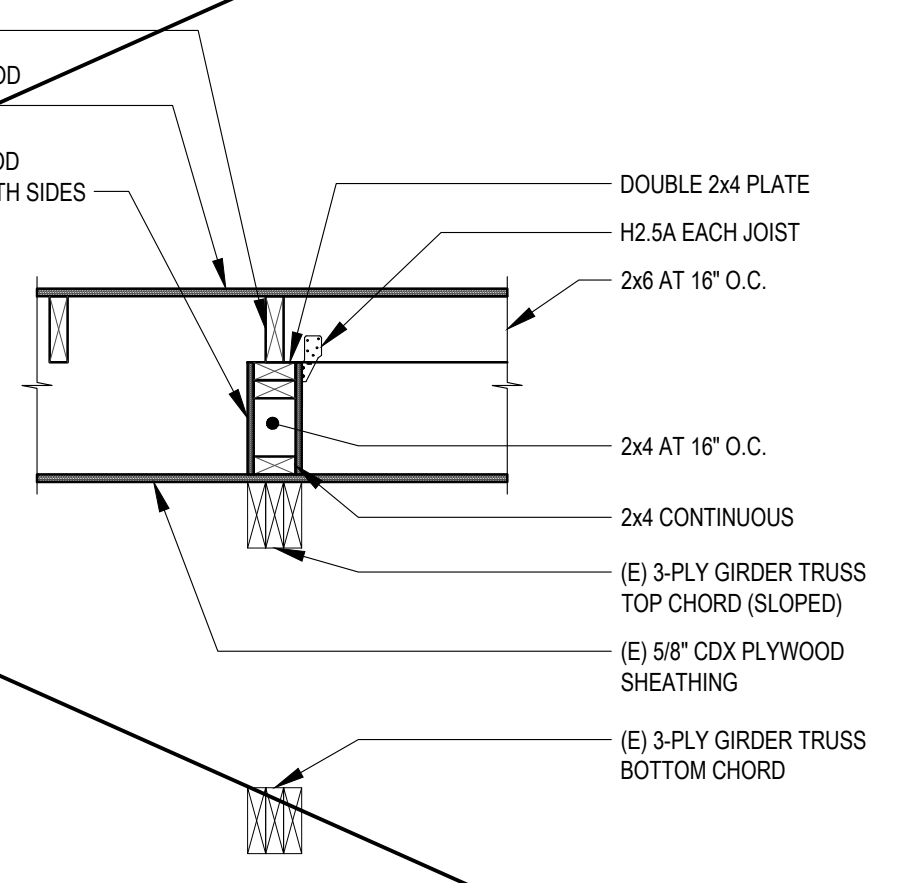
SECTION 4
SCALE: 3/4" = 1'-0"



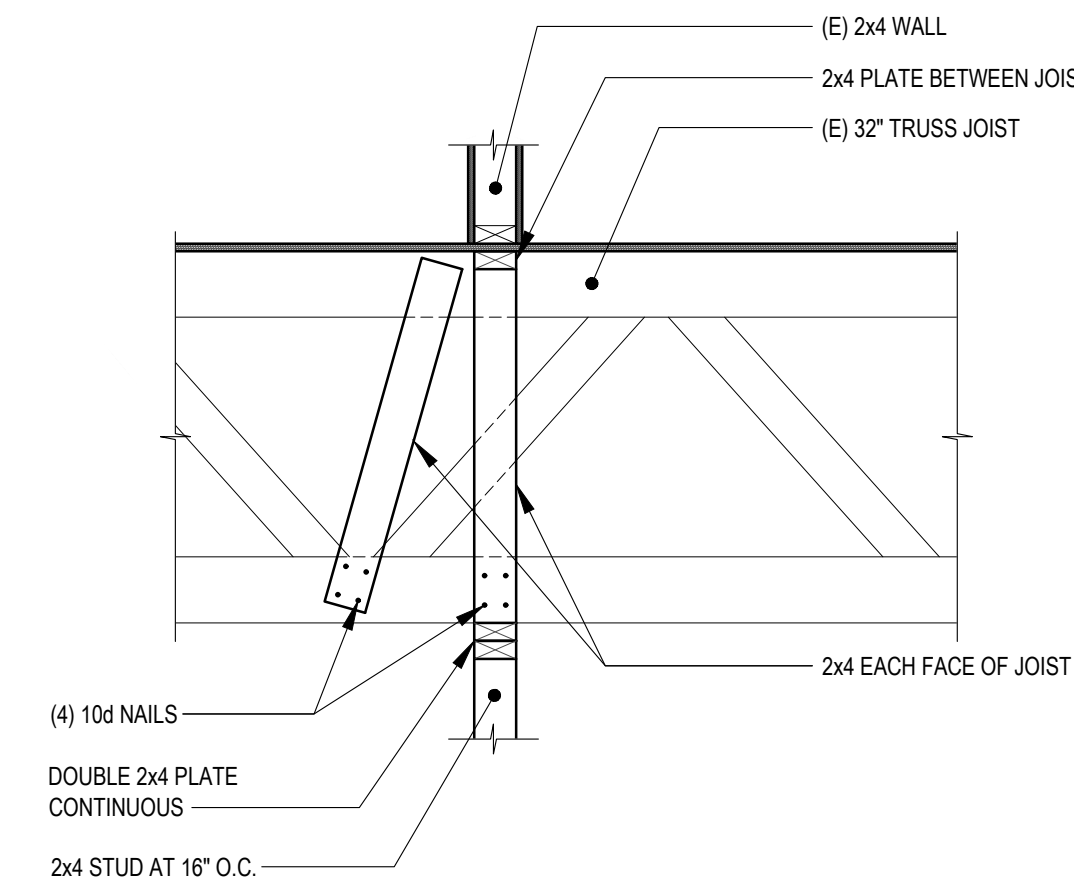
SECTION 5
SCALE: 3/4" = 1'-0"



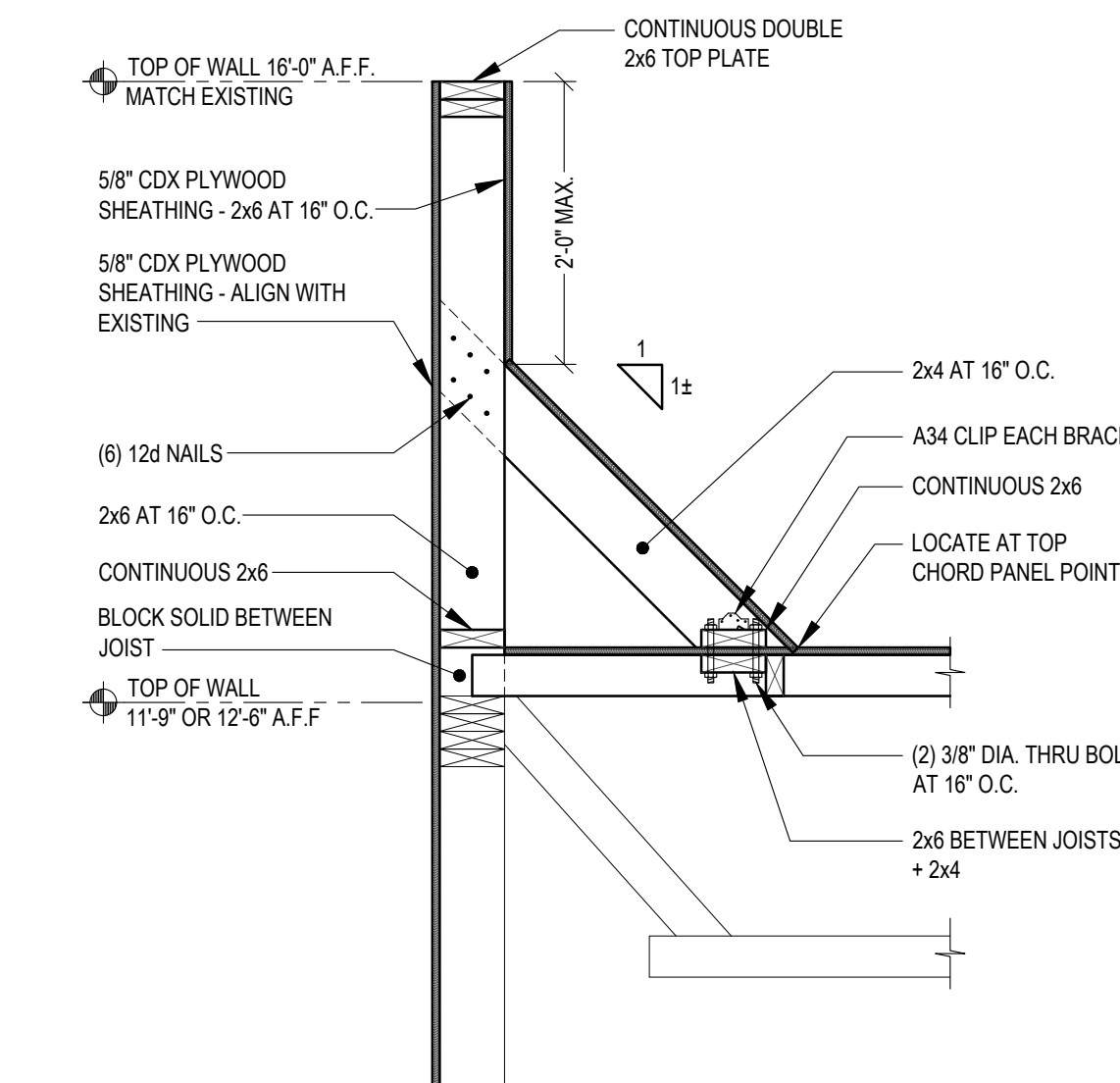
SECTION 7
SCALE: 3/4" = 1'-0"



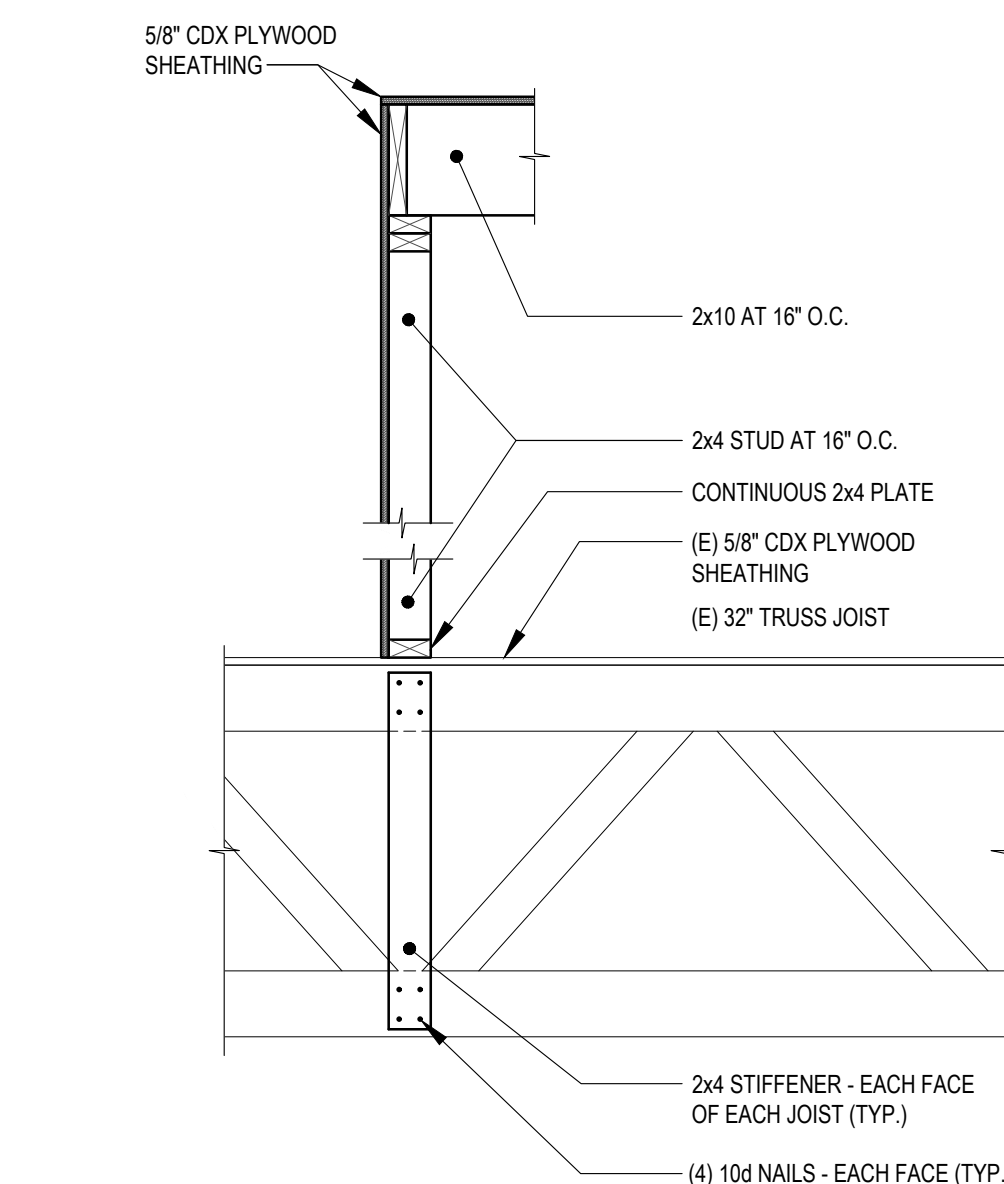
SECTION 8
SCALE: 3/4" = 1'-0"



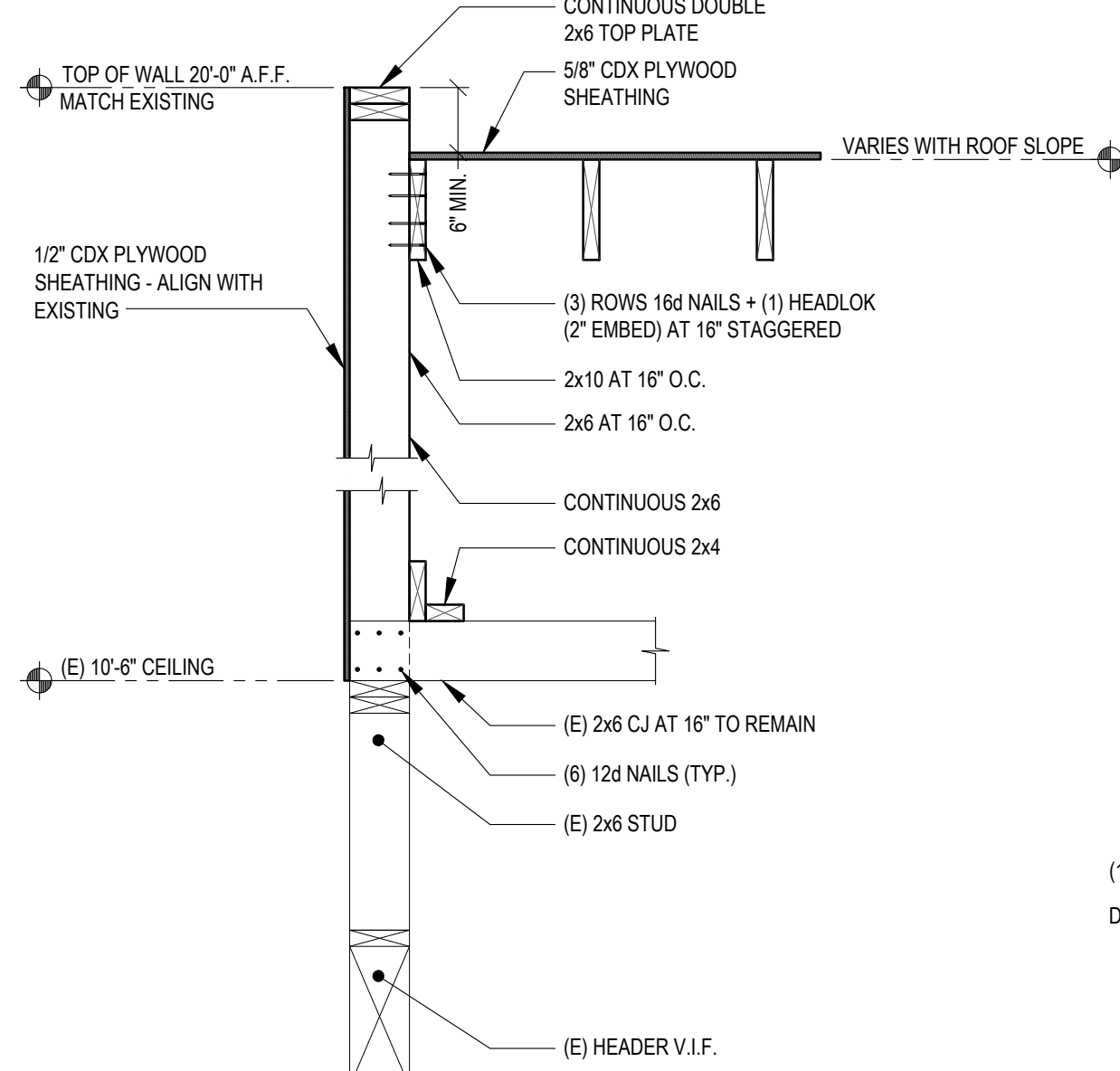
SECTION 9
SCALE: 3/4" = 1'-0"



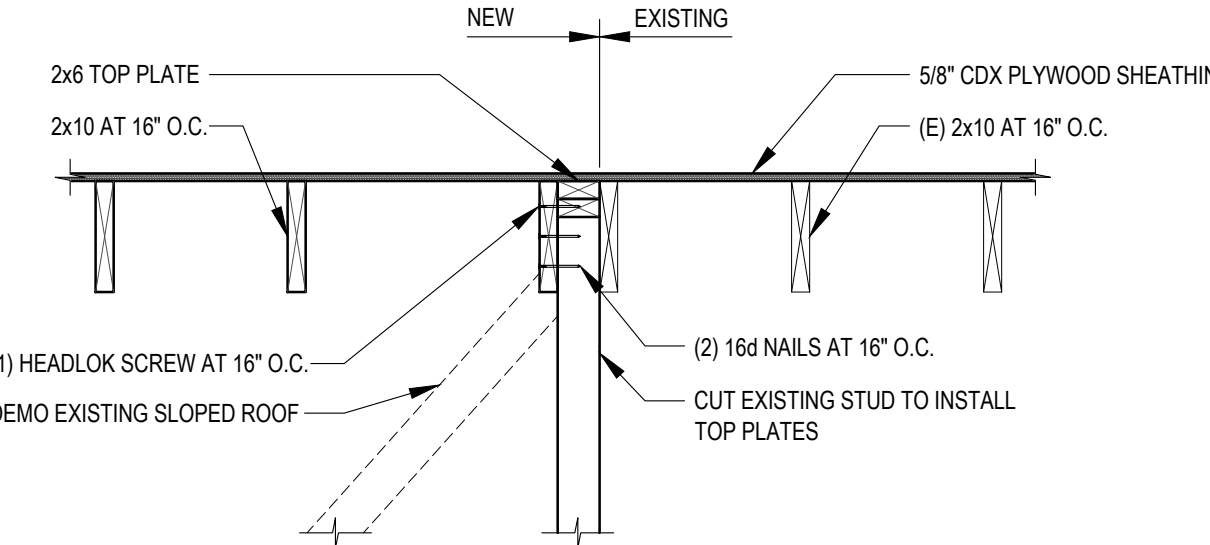
SECTION 6
SCALE: 3/4" = 1'-0"



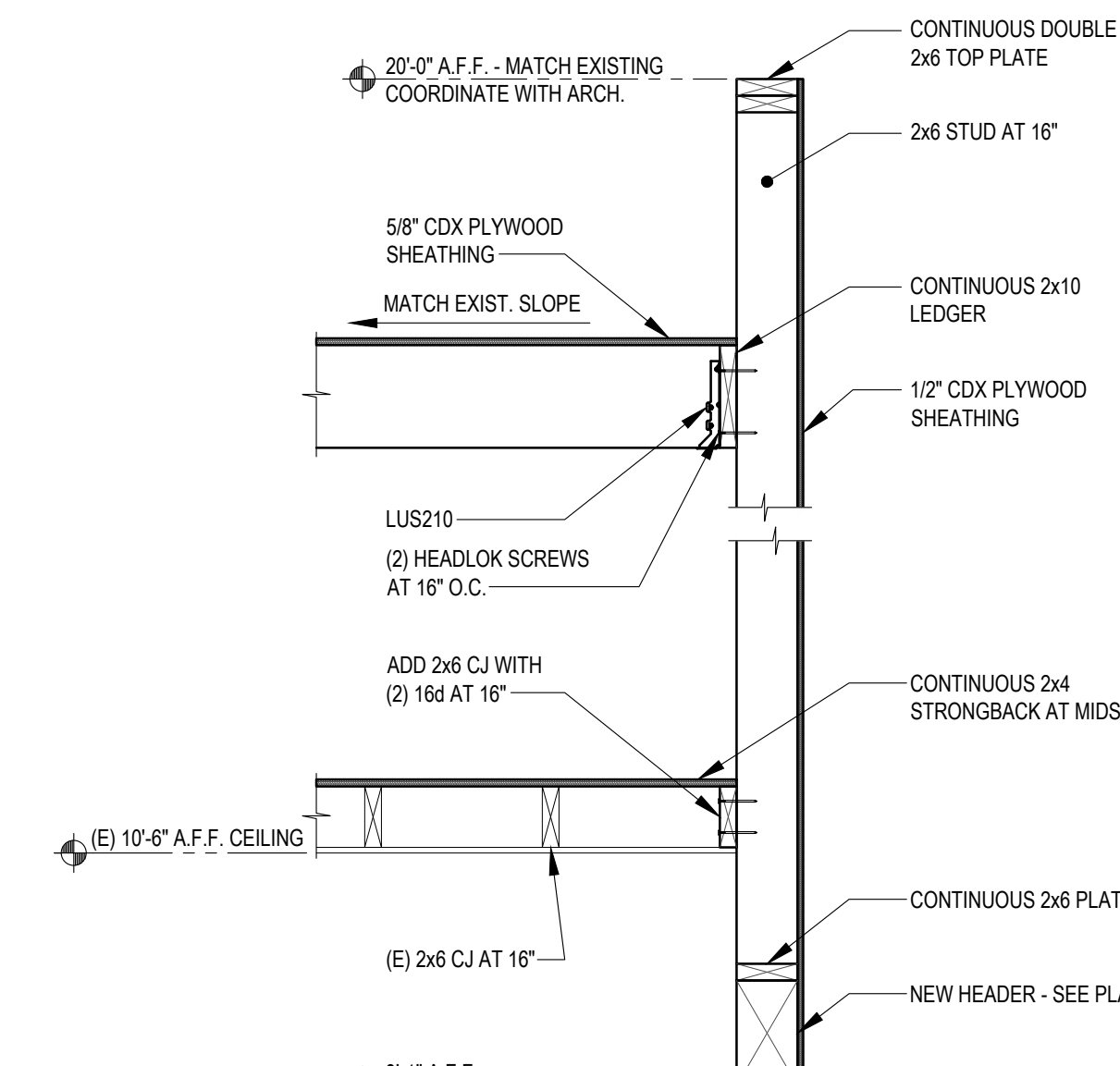
SECTION 10
SCALE: 3/4" = 1'-0"



SECTION 11
SCALE: 3/4" = 1'-0"



SECTION 12
SCALE: 3/4" = 1'-0"



SECTION 13
SCALE: 3/4" = 1'-0"

06/15/21

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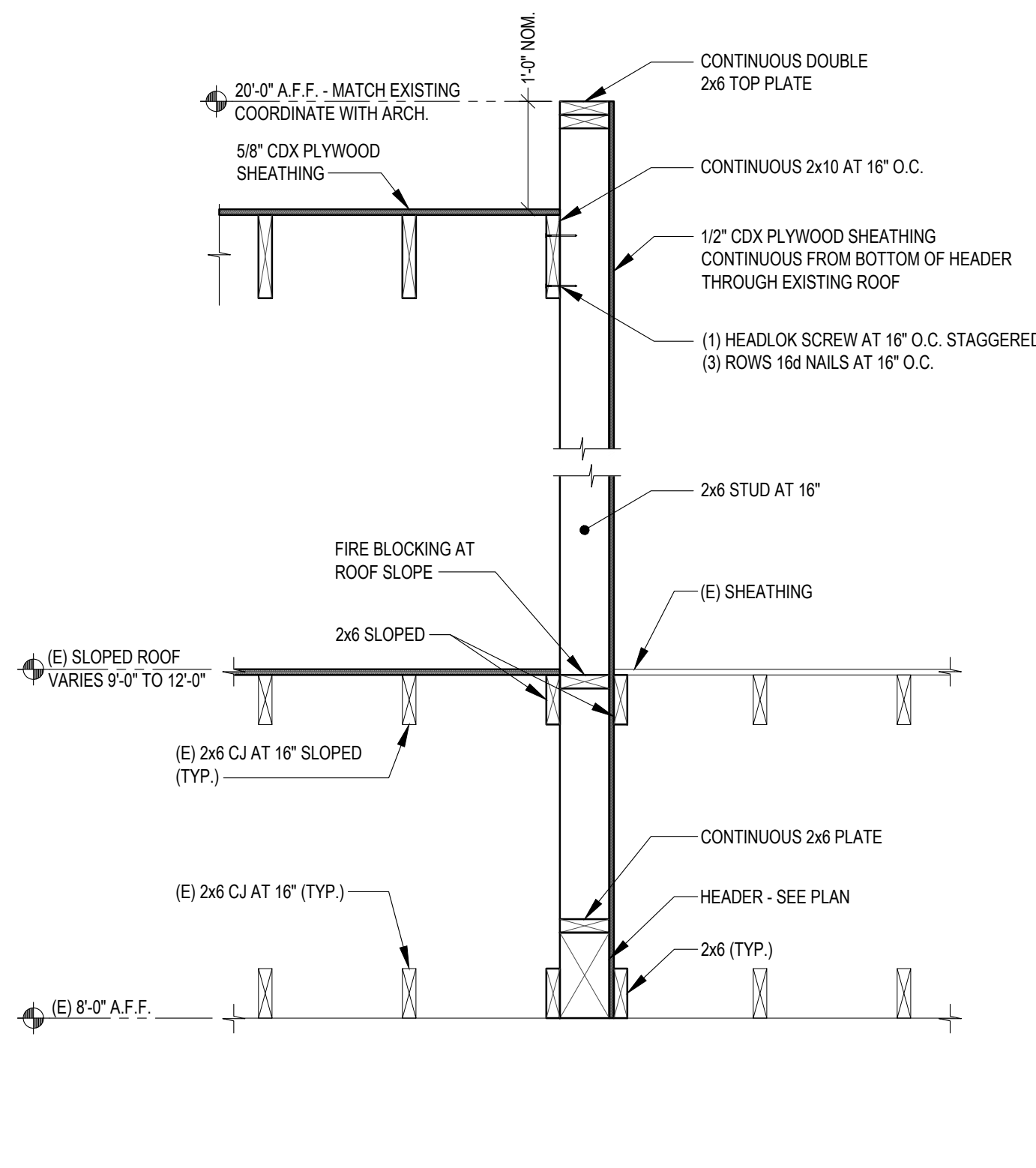


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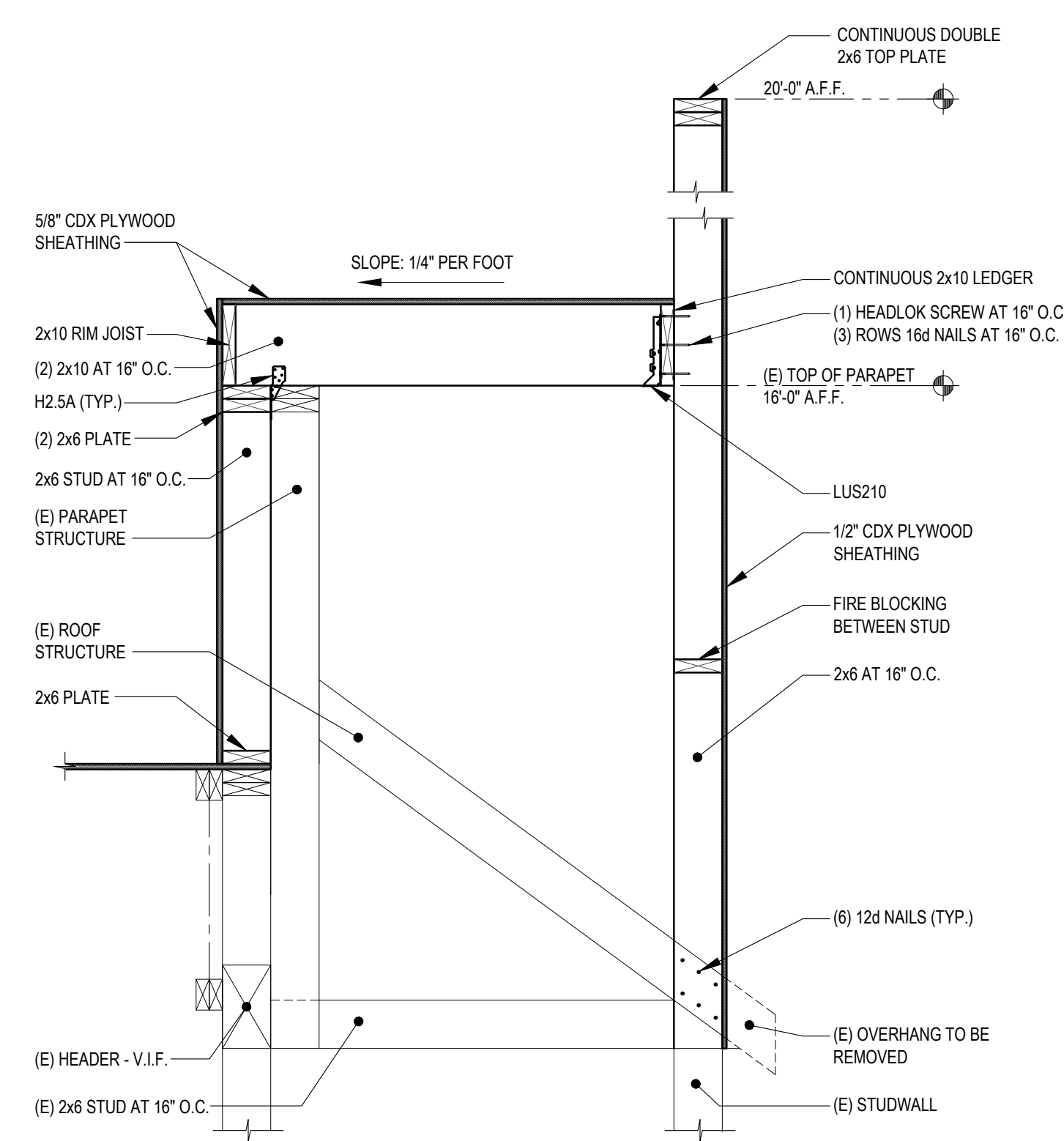
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SECTIONS

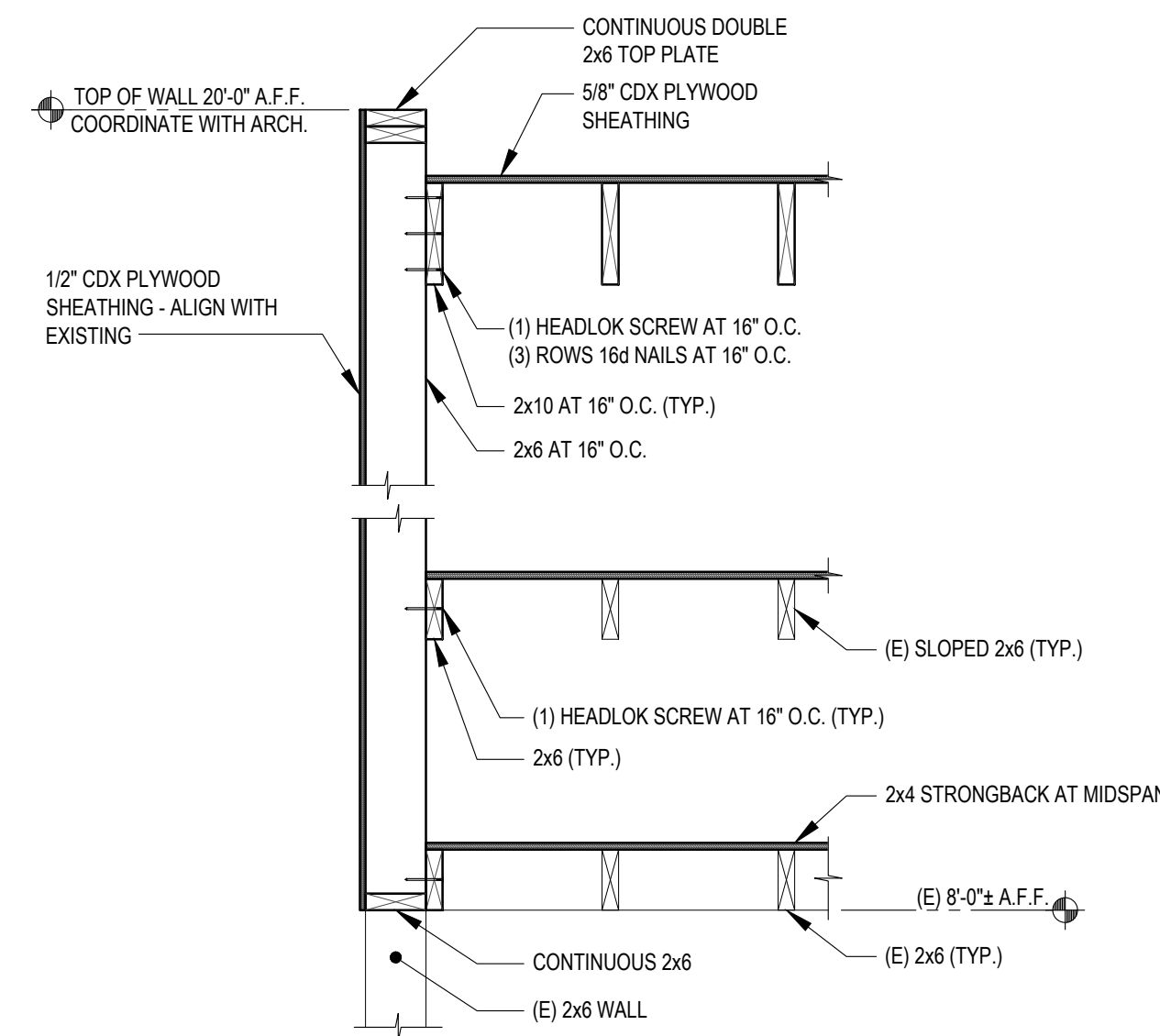
S3.1



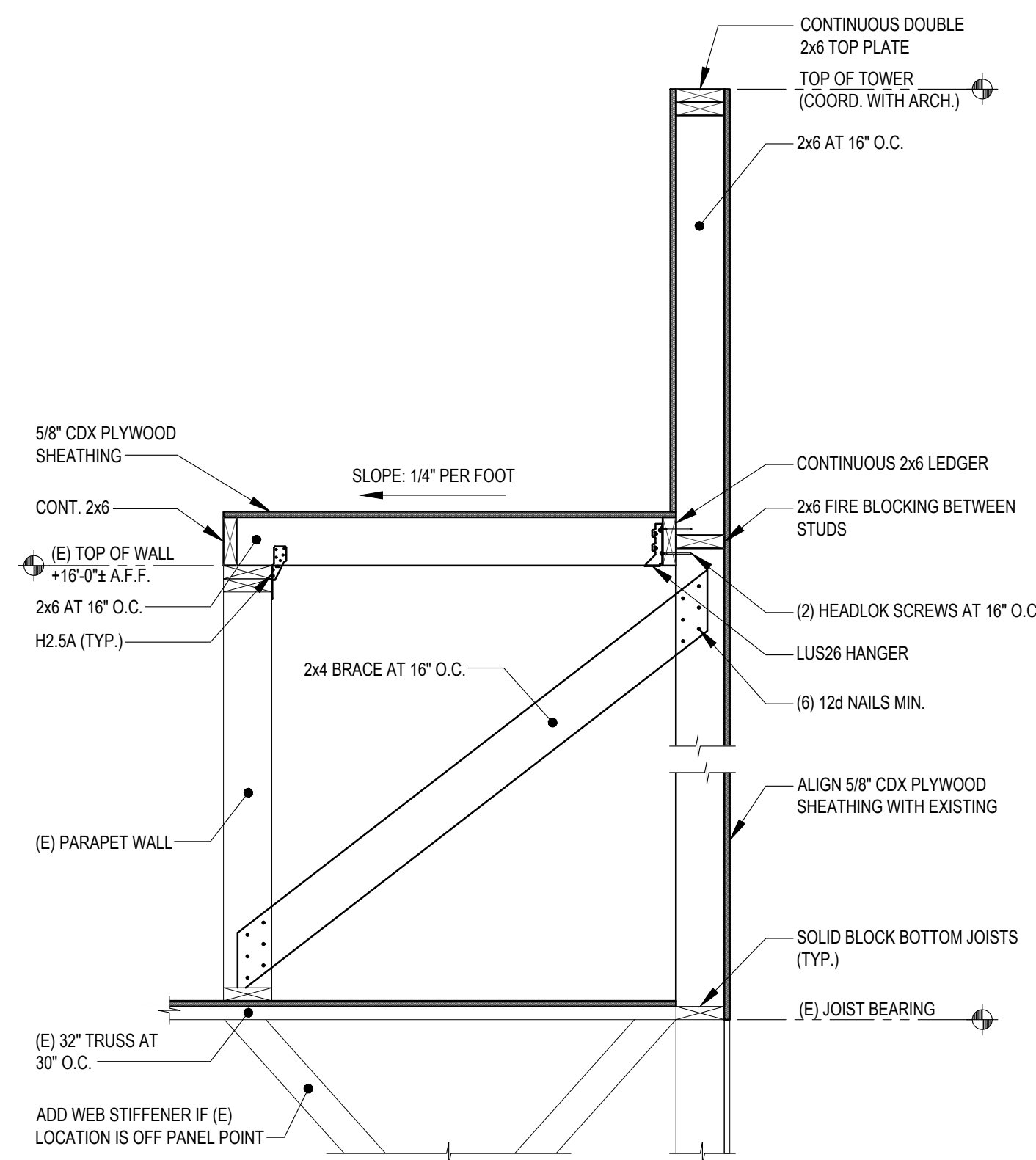
SECTION 14
SCALE: 3/4" = 1'-0"
S3.1



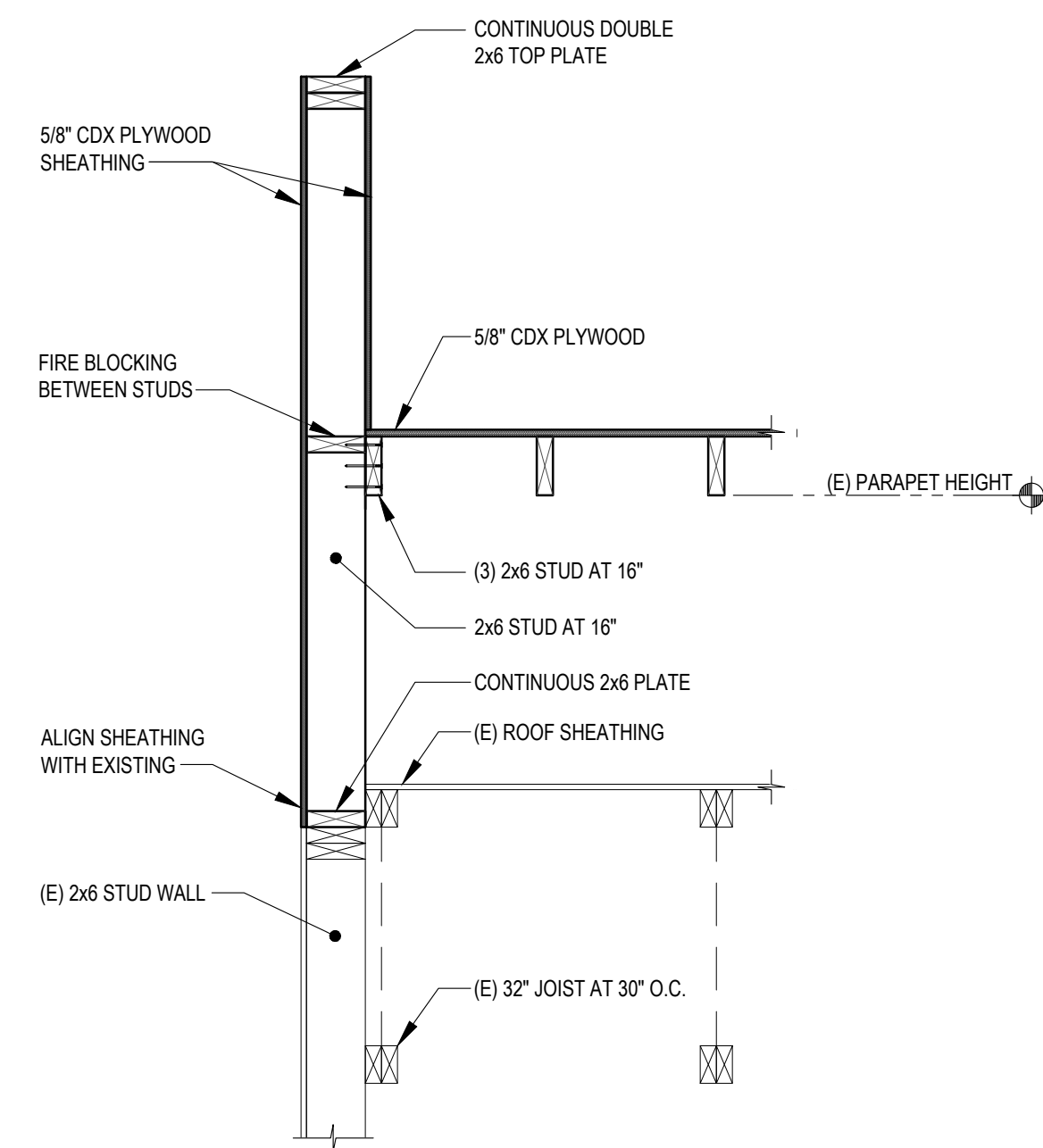
SECTION 15
SCALE: 3/4" = 1'-0"
S3.1



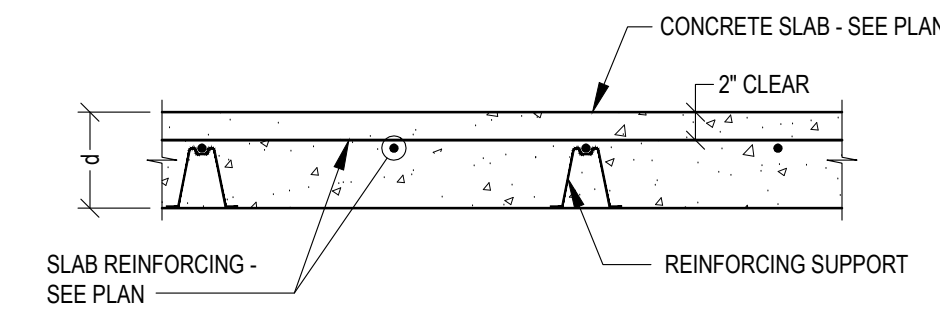
SECTION 16
SCALE: 3/4" = 1'-0"
S3.1



SECTION 17
SCALE: 3/4" = 1'-0"
S3.1



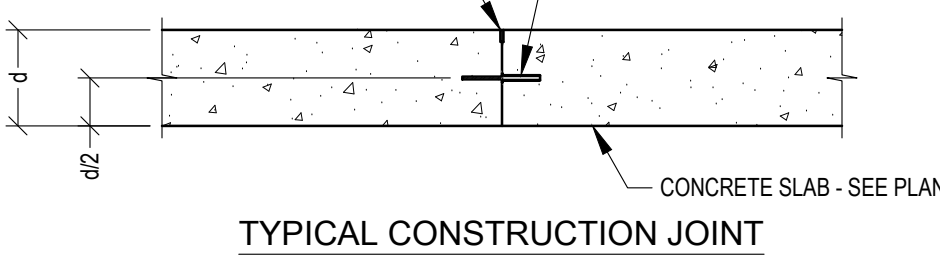
SECTION 18
SCALE: 3/4" = 1'-0"
S3.1



TYPICAL REINFORCING BAR REINFORCED SLAB SECTION

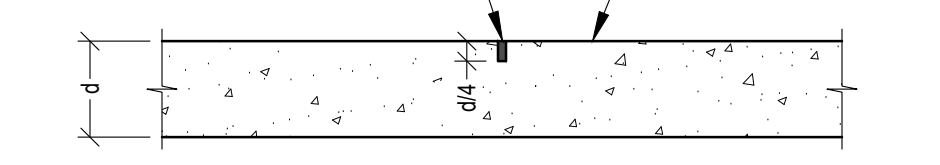
1/4" WIDE x 1" DEEP SAWCUT. CUT SLAB JOINT AFTER JOINT HAS OPENED. FILL JOINT WITH JOINT FILLER IN ACCORDANCE WITH GENERAL STRUCTURAL NOTES.

PROVIDE 1/4"x 1/2" SQUARE DIAMOND DOWELS AT 18" O.C. (4'-6" SLABS). DIAMOND DOWELS BY PNA CONSTRUCTION TECHNOLOGIES, INC.



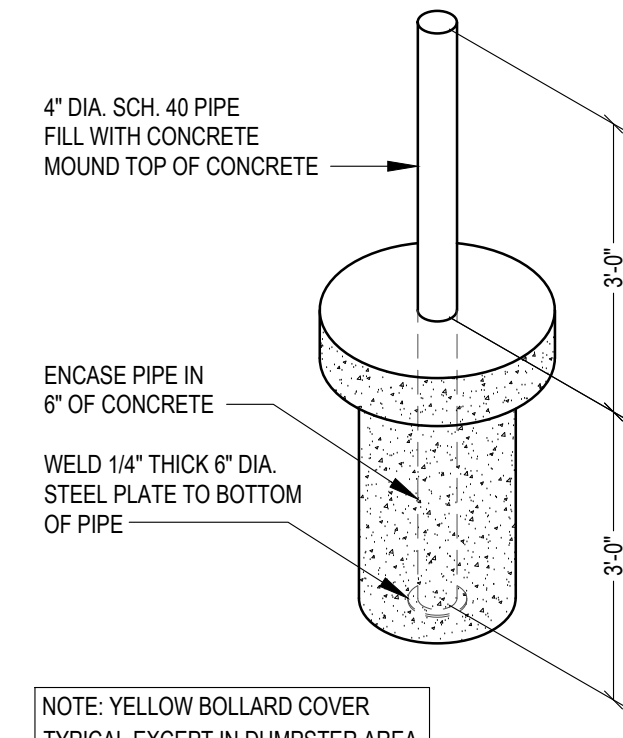
TYPICAL CONSTRUCTION JOINT

1/8" WIDE SAWCUT. CUT WHEN SLAB IS FIRM ENOUGH SO THAT IT IS NOT DAMAGED BY BLADE. FILL JOINT WITH JOINT FILLER IN ACCORDANCE WITH GENERAL STRUCTURAL NOTES.

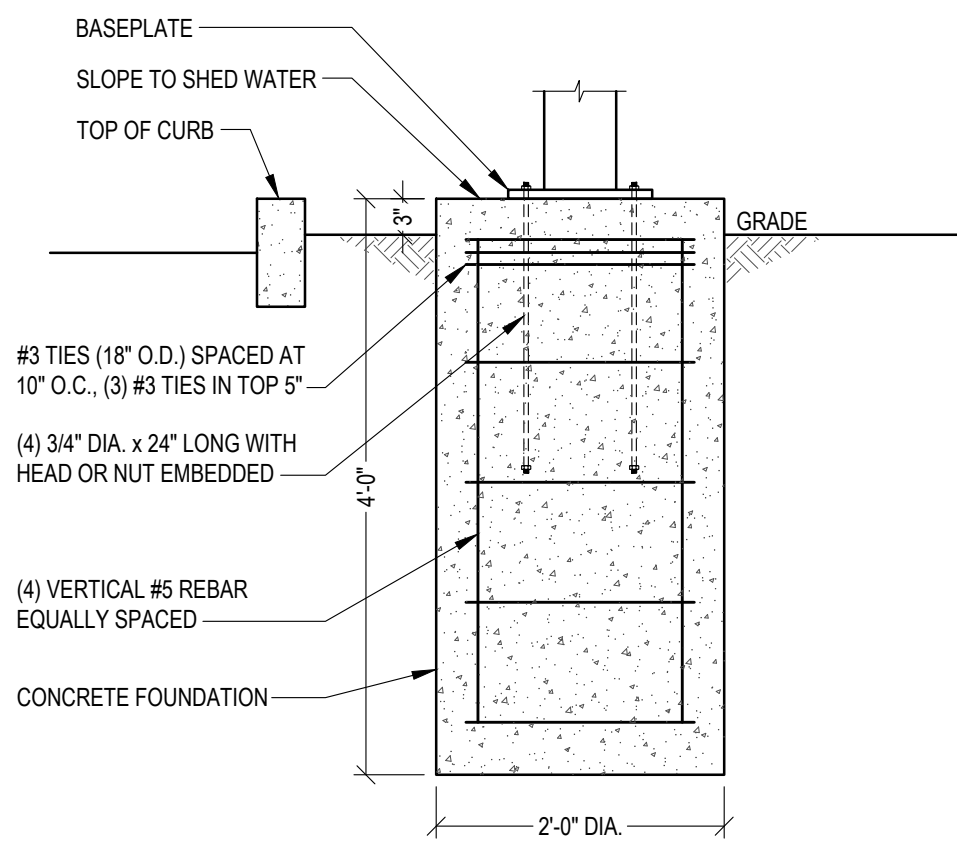


TYPICAL SAWCUT CONTRACTION JOINT

TYPICAL SLAB-ON-GROUND DETAILS
DETAIL A
NO SCALE S4.0

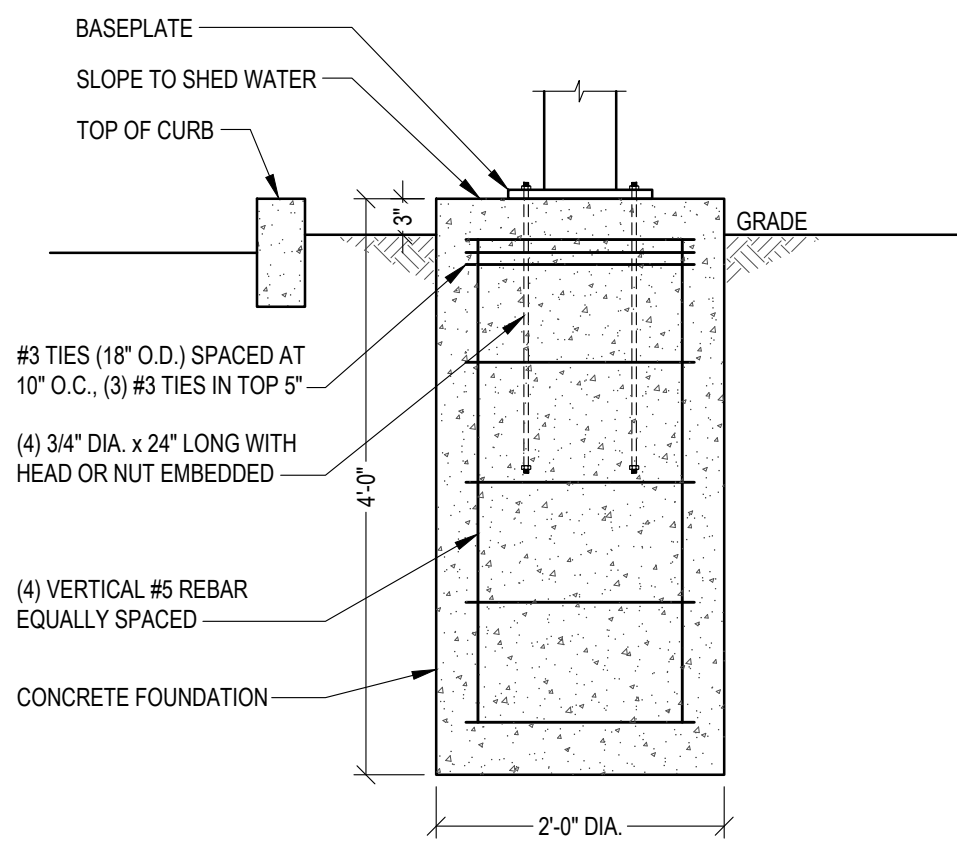
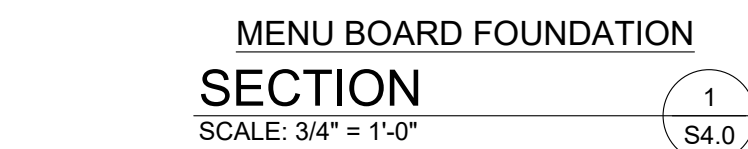


PIPE BOLLARD
DETAIL
SCALE: 1/2" = 1'-0" S4.0



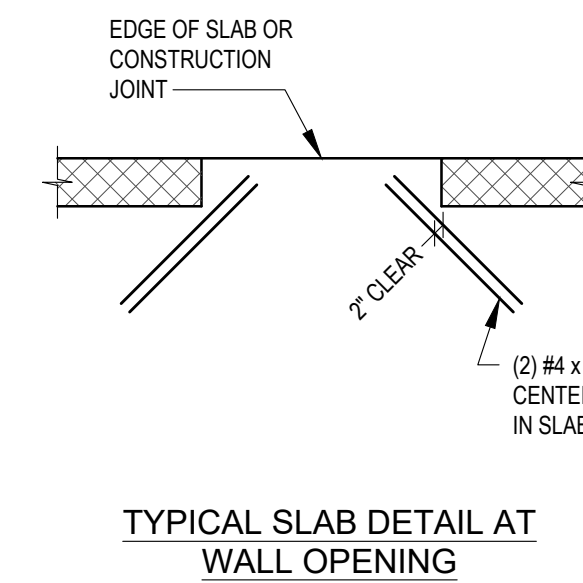
- ALL CONCRETE TO BE $f'_c = 3,000$ PSI
- ALL REINFORCING STEEL TO BE $f_y = 60,000$ PSI
- ALLOWABLE SAFE SOIL BEARING PRESSURE = 2,000 PSF

MENU BOARD FOUNDATION
SECTION 1
SCALE: 3/4" = 1'-0" S4.0

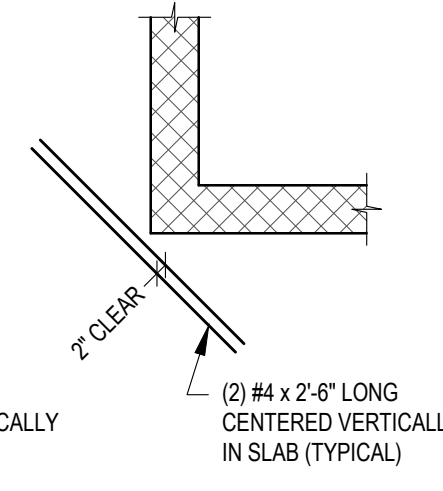


TYPICAL STEPPED FOOTING
DETAIL C
NO SCALE S4.0

NOTES:
1. STEPS IN FOOTING ARE LIMITED TO GROUPS OF THREE (STEPS) WITH 8'-0" (MIN.) OF HORIZONTAL DISTANCE BETWEEN EACH GROUP.

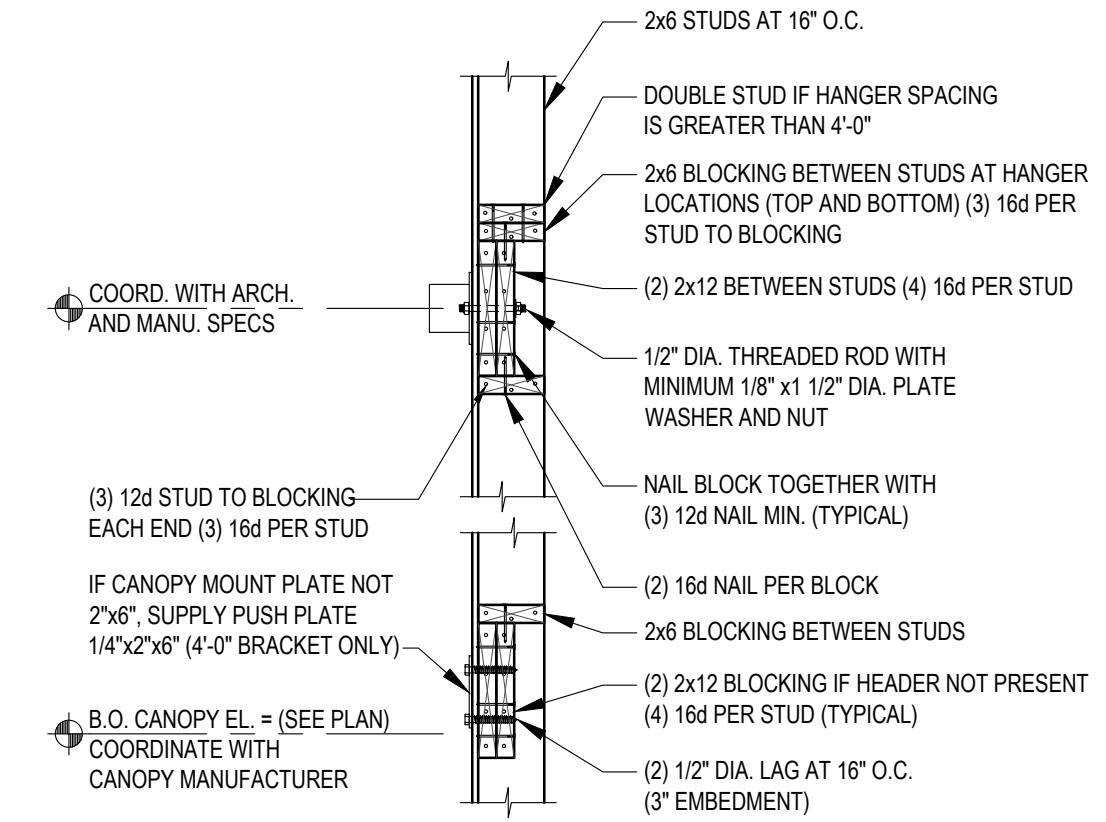


TYPICAL SLAB DETAIL AT WALL OPENING



TYPICAL SLAB DETAIL AT RE-ENTRANT WALL CORNER

TYPICAL SLAB REINFORCING
DETAIL D
NO SCALE S4.0



CANOPY CONNECTION
DETAIL G
NO SCALE S4.0

COORDINATE BLOCKING HEIGHTS WITH CANOPY MANUFACTURER AND ARCHITECTURAL DRAWINGS

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ACCESSORY
DETAILS
S4.0