

GENERAL STRUCTURAL NOTES

GENERAL

- Code: I.B.C. 2021.
- Notes: Notes apply to all drawings unless noted otherwise.
- Design Criteria:

Soil Bearing Pressure = 1500 psf (assumed, Contractor to verify)

Roof SNOW Load = 37 psf
Roof Dead Load = 15 psf
Mezz Floor Live Load = 50 psf
Mezz Floor Dead Load = 15 psf

Seismic Design Cat. D
105 MPH Exp. C Wind
- Coordination: Check with conditions at the job site and with all other subcontractors.
- Datum: See PLAN.
- Details: Details, sections, and notes as shown on the drawings are intended to be typical and shall apply to all similar situations elsewhere unless noted otherwise.

FOUNDATION

- No soils report has been prepared. If a Soils Report is prepared, all recommendations in the Soils Report shall be followed.
- Unless noted otherwise in a Soils Report, remove top 8" of soil including all vegetation and debris. Remove existing elements as required and replace voids and soft spots with compacted granular fill.
- Unless noted otherwise in a Soils Report, all footings are to be placed on firm, undisturbed, natural soil or properly compacted granular fill unless noted otherwise in the project Soils Report. The natural undisturbed soil below all footings shall be proof rolled prior to placing concrete. Replace voids and soft spots with compacted granular fill. Clear excavations of debris and loose soil prior to placing concrete.
- Compacted Granular Fill: Unless noted otherwise in a project Soils Report, Contractor shall be responsible for the selection of all fill material, and verification of adequate compaction. All fill shall be tested to ensure adequate compaction and proper gradation by a qualified materials testing agency. Compact all fill to 95% dry density minimum. All fill shall be placed and compacted in lift heights not to exceed 8".
- Frost protection: All exterior footings shall be placed a minimum of 30" below finish grade.
- Center all footings under walls, columns or grid lines unless noted otherwise on plans.
- Contractor is responsible to verify natural undisturbed soil below all footing is adequate to support loading of 2000 psf with negligible settlement.
- FOUNDATION DRAINAGE AND WATERPROOFING SYSTEMS SHALL BE SPECIFIED & DESIGNED BY OTHERS.

EPOXY

- All epoxy shall be Hilti brand or equivalent. The following systems shall be used:
 - Hollow or Grouted CMU – Hilti HY270 with screen tubes.
 - Concrete – Hilti RE500-v3.
- Install all epoxied anchors per manufacturer's instructions and recommendations.
- All holes shall be sized properly and cleaned thoroughly prior to placement of epoxy adhesive.

REINFORCING STEEL

- Grade: ASTM A615, Grade 60.
- Dowel and lap lengths: For concrete work provide 48 bar diameters for dowel embedment and splice lap lengths, and 64 bar diameters for masonry work. Do not splice vertical reinforcing bars in retaining walls unless noted otherwise. Minimum splice length is 15 inches.
- Detailing and fabrication: Reference "American Concrete Institute" (ACI 318-19).
- Field bending: Reinforcing steel shall not be bent or straightened in a manner injurious to the concrete or steel. Bars larger than #5 shall not be field bent.
- Splice locations: In slabs, beams and girders, reinforcing steel shall not be spliced at zones of maximum tensile stress, unless noted otherwise on the drawings.
- Embedments, dowels, & all reinforcement shall be securely tied to formwork or adjacent reinforcement prior to concrete or grout placement using tie wire or positioners. "Wet-sticking" is not permitted.

CARPENTRY NOTES:

- Sawn Lumber Grade: Doug-Fir #2 or better (Treated @ Exterior Deck Joists)
LVL Grade: Boise-Cascade – VersoLam 2.0 2800 or better 1-3/4" THICK.
Glu-lam Grade: DF/DF 24F-V4
Exterior Glu-Lam Grade: Port Orford Cedar 22F-V14 or Alaskan Yellow Cedar 20F-V12
- Openings in Floor Framing: Provide double header and trimmer joists at openings where joists are cut. Provide joist hangers where joists frame into headers and headers frame into trimmers.
- Openings in Walls: Provide headers as indicated on plans. All headers in bearing walls shall be supported by a single 2x trimmer and double king studs, unless larger columns are indicated on the drawings.
- General Framing and Carpentry: Connect all items as per IBC Table 2304.9.1, "Fastening Schedule", unless noted otherwise.
- Framing connections shown on drawings refer to Simpson Strong-Tie Connectors or I.C.C. APPROVED. Equal. All framing connections not shown or otherwise indicated on the drawings shall be connected in a manner similar to the connections shown in the drawings or with approved Simpson Strong-Tie connectors.
- All wood framing shall conform to the "Conventional Light-Frame Construction" provisions in Section 2308 of the I.B.C. 2021 unless noted otherwise.
- Install triple 2x, nail laminated studs below all girder truss bearing points, unless noted otherwise on the drawings.

CONCRETE

- Concrete Density: Normal Weight Concrete approximately 145 to 150 pounds per cubic foot.
- Strength: Minimum ultimate 28-day compressive strength:

Footings	. . . . .	.3000 psi
Slabs on grade	. . . . .	4500 psi
Walls	. . . . .	4000 psi
SUSPENDED SLABS	. . . . .	5000 psi
All other site cast concrete	. . . . .	4000 psi

Note: All flatwork shall have 6-1/2% +/- 1% entrained air content.
- Construction Joints: Continue vertical and horizontal reinforcing through all construction joints.
- Slabs: Slabs are to be placed in as large of sections as possible. Where construction joints are necessary, provide bulkhead shear keyways and reinforcing dowels as required to maintain full section capacity. Control joints shall be installed in slabs on grade so the length to width ratio of the slab is no more than 1.25:1. Control joints shall be completed within 12 hours of concrete placement. Control joints may be installed by saw cut or tooled joints a depth of 1/4 the thickness of the slab. Contractor is responsible for exact locations and spacing of all control & construction joints.
- Form Work: Form work shall comply with ACI Standards Publication 347 and Project Specifications.
- Wall reinforcing: Unless noted otherwise on the drawings, reinforce all concrete wall as follows:

THICKNESS	HORIZONTAL	VERTICAL
See SHEET S101		
- Provide corner bars at intersecting wall corners using the same size and spacing as horizontal wall reinforcing. Dowel vertical reinforcing to the footing or structure below with the same size and spacing as wall, column, or pier reinforcing above. Footing dowels shall terminate with a 90 degree standard hook. Openings: Around all sides of openings with a size greater than 12" provide (2) #5 bars (unless noted otherwise) and extend 24" beyond the corners of the opening.
- Concrete protection for reinforcing steel: Provide concrete cover equal to the bar diameter but not less than:

	See schedule on sheet S0.1
--	----------------------------
- Slabs on grade: Any reinforcing steel shall be adequately supported on precast concrete units or stand chairs, to keep the reinforcing the minimum height specified or indicated above the grade. Lifting the reinforcing off the grade during placement will not be permitted.
- Curing: All concrete is to be cured and protected in strict accordance with ACI Cold Weather Curing Procedures. Tenting of the concrete and added heat may be required for certain temperature levels. If heat is added, proper venting shall be provided to eliminate the harmful effects of carbon dioxide exposed to fresh concrete.

SPECIAL INSTRUCTION

- The project specifications are not superseded by the General Structural Notes but are intended to be complementary to them. Consult the specification for additional requirements in each section. Notes and details on the drawings shall take precedence over General Structural Notes and typical details.
- All omissions or conflicts between the various elements of the working drawings and/or specifications shall be brought to the attention of the DESIGNER and Structural Engineer before proceeding with any work involved. In case of conflict, follow the most stringent requirement as directed by the DESIGNER without additional cost to the owner.
- Notification of Engineer: The Engineer shall be notified twenty-four hours prior to:
 - Completion of footing excavation
 - Placing concrete in any footing.
 - Closing any wall forms.
 - Completing diaphragm fastening.
 - Grouting of any masonry.
 - Completion of structural welding
- Shoring and Bracing Requirements:
 - Roof & Floor Structures – The General Contractor is responsible for the method and sequence of all structural erection. He shall provide temporary shoring and bracing as his method of erection requires to provide adequate vertical and lateral support. Shoring and bracing shall remain in place as the chosen method requires until all permanent members are in place and all final connections are completed, including all roof attachments. The building shall not be considered stable until all connections are complete.
 - Walls above grade shall be braced until the structural system is complete. Walls shall not be considered to be self supporting.
- Submittals: A copy of all shop drawings that have been submitted for review must be kept at the construction site for reference. These drawings must bear the appropriate review stamps. The shop drawing review shall not relieve the contractor of the responsibility of completing the project according to the contract documents. The general contractor shall review and mark all shop drawings prior to submitting them to the DESIGNER for his review. Shop Drawings made from reproductions of (these) contract drawings will be rejected.
- Project Coordination: It shall be the responsibility of the general contractor to coordinate with all trades any and all items that are to be integrated into the structural system. Openings or penetrations through, or attachments to the structural system that are not indicated on these drawings shall be the responsibility of the general contractor and shall be coordinated with the DESIGNER/Engineers. The order of construction is the responsibility of the general contractor. It is the contractor's obligation to provide all items necessary for his chosen procedure.
- Observation visits to the site by the Engineer's field representatives shall not be construed as inspection or approval of construction.
- Contractor shall field verify all dimensions, and conditions. If the contract drawings do not represent actual conditions, contractor shall notify DESIGNER/Engineer prior to fabrication or construction within that area.
- The structural drawings, plans, schedules, notes and details shall not be reproduced, or copied, in whole or in part by the contractor or his subcontractors for preparation of shop drawings or other submittals.

CONCRETE PROTECTION FOR REINFORCEMENT		
	APPLICATION	MINIMUM CLEAR COVER
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	1. ALL APPLICATIONS EXCEPT SLABS ON GRADE	3"
	2. SLABS ON GRADE – CLEAR DISTANCE FROM TOP OF SLAB	1"
CONCRETE EXPOSED TO EARTH OR WEATHER	1. NO. 6 BARS AND LARGER	2"
	2. NO. 5 BARS AND SMALLER	1 1/2"
CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR IN CONTACT WITH GROUND	1. SLABS, WALLS, JOISTS	3/4"
	2. BEAM OR COLUMN TIES, STIRRUPS, OR PRIMARY REINFORCEMENT	1 1/2"
NOTES	1. TOLERANCE FOR CONCRETE COVER AND REINFORCEMENT LOCATION IS ±3/8"	

FRAMING NAILING SCHEDULE			
CONNECTION	NAILING	CONNECTION	NAILING
TOP PLATE TO STUD, END NAIL	2x4 (2)- 16d 2x6 (3)- 16d 1 3/4" x 5 1/2" LVL (3)- 16d 1 3/4" x 7 1/4" LVL (4)- 16d 1 3/4" x 9 1/4" LVL (5)- 16d 1 3/4" x 11 7/8" LVL (6)- 16d	TOP PLATE LAPS (4'-0" MINIMUM)	16d AT 6" O.C.
STUD TO SILL PLATE, END NAIL	2x4 (2)- 16d 2x6 (3)- 16d 1 3/4" x 5 1/2" LVL (3)- 16d 1 3/4" x 7 1/4" LVL (4)- 16d 1 3/4" x 9 1/4" LVL (5)- 16d 1 3/4" x 11 7/8" LVL (6)- 16d	BUILT-UP HEADERS AND BEAMS	16d AT 16" O.C. ALONG TOP AND BOTTOM EDGE
DOUBLE SILL PLATES, FACE NAIL (STAGGER)	10d AT 12" O.C.	BUILT-UP COLUMNS BELOW BEAMS, FACE NAIL	16d AT 16" O.C. – EACH FACE
DOUBLE STUDS, FACE NAIL (STAGGER)	10d AT 12" O.C. – EACH FACE	BUILT-UP CORNER STUDS (3 STUDS MINIMUM)	16d AT 24" O.C.
DOUBLE TOP PLATES, FACE NAIL	16d AT 24" O.C.	BACKING AND BLOCKING AT TRUSSES AND 2x FRAMING, END NAIL OR TOE NAIL	(2)- 16d EACH END
TOP PLATES AT WALL INTERSECTIONS, FACE NAIL	(2)- 16d	BACKING AND BLOCKING AT I-JOIST FRAMING	SIMPSON Z2 OR EQUAL AT EACH END [W/ (4)- 10d x 1 1/2" NAILS]

STRUCTURAL STEEL

- Grade: All structural steel W sections shall conform to ASTM A992 (fy=50 ksi), latest edition. Tubes shall be ASTM A500 GR. B (fy=46 ksi), all other steel shall be grade A36 minimum. Anchor bolts shall be F1554 steel with ASTM A563 heavy hex nuts and hardened washers, unless noted otherwise.
- Erection and fabrication: Reference the "American Institute of Steel Construction" specifications for erection and fabrication of steel buildings, latest edition.
- Welding:
 - Welders: All shop and field welding shall be executed by AWS certified welders.
 - Electrodes: E-70 XX, E-60 XX may be used for welding steel decks. Welds designated as "Demand Critical" shall be completed with filler metal capable of providing a minimum Charpy V- Notch toughness of 20ft-lb @ -20F, and 40ft-lb @ 70F per AISC 341 Section 7.3b.
 - Fillet welds: Sizes not shown shall be "American Welding Society" minimum based upon the thickness of the materials being welded.
 - Butt welds: Full penetration unless noted otherwise.
 - Quality Assurance: See Special Inspections
- Bolted Connections: Use ASTM A325 bolts for steel to steel connections, EXCEPT WHERE NOTED OTHERWISE. Tighten bolts "snug tight" unless noted otherwise. Provide hardened washers beneath turned element.
- Bearing plates: Base plates and bearing plates shall be provided with full bearing after the supported members have been plumbed and properly positioned. Separate setting plates under column base plates will not be permitted. All bearing girders shall consist of a non-shrink, expansive, metallic grout.
- Submittals: Shop drawings shall be submitted for approval to the Architect, Contractor, and Engineer, prior to fabrication.

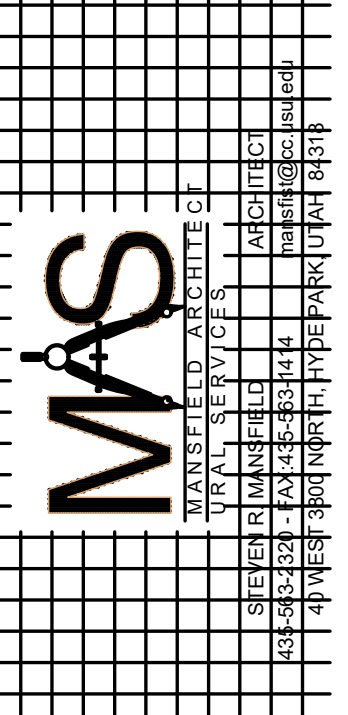
TABLES OF EQUIVALENT FASTENERS, STAPLES, NAILS, AND T-NAILS. (VALID FOR LATERAL LOAD ONLY)						
COMMON NAIL SPACING	GAUGE	EQUIV. SPACING OF APPRX FASTENER				
		STAPLES		NAILS T-NAILS		
6d A	4"	16	15	14	11.3	1.31
	6"	3 1/2"	4"	5"	4"	5"
	8"	6 1/2"	8"	9 1/2"	8"	10"
	10"	8 1/2"	10"	12"	10"	12"
	12"	10"	12"	14 1/2"	12"	14 1/2"
8d AT	4"	2 1/2"	3 1/2"	4"	3 1/2"	4"
	6"	4"	5"	6"	5"	6"
	8"	5 1/2"	6 1/2"	8"	6 1/2"	8"
	10"	6 1/2"	8"	10"	8"	10"
	12"	8"	10"	12"	9 1/2"	12"
10d AT	4"	2"	2 1/2"	3"	2 1/2"	3 1/2"
	6"	3 1/2"	4"	5"	4"	5"
	8"	4 1/2"	5 1/2"	6 1/2"	5 1/2"	7"
	10"	5 1/2"	7"	8"	6 1/2"	8 1/2"
	12"	6 1/2"	8"	9 1/2"	8"	10"

NOTE:
PENETRATION IS THE DEPTH OF EMBEDMENT OF THE STAPLE OR NAIL INTO THE MAIN MEMBER REQUIRED TO ATTAIN ITS FULL CAPACITY (SHEAR VALUE) FOR LATERAL LOADING.

LINTEL SCHEDULE	
CLEAR OPENING	SIZE OF ANGLE
UP TO 7'-0"	3 1/2" x 3 1/2" x 1/4"
7'-1" TO 9'-0"	5" x 3 1/2" x 1/4"
9'-1" TO 10'-0"	5" x 3 1/2" x 5/16"
10'-1" TO 11'-0"	5" x 3 1/2" x 3/8"
11'-1" TO 12'-0"	6" x 4" x 3/8"
12'-1" AND OVER	REQUIRES SPECIAL ANALYSIS

3-5/8"

NOTE:
LINTELS CARRY BRICK OR STONE ONLY. WHERE FLOORS, ROOFS OR CONCENTRATED LOADS OCCUR, FURTHER ANALYSIS IS NECESSARY. PROVIDE 1" OF BEARING EACH END FOR EACH FOOT OF SPAN. MINIMUM BEARING OF 6" EACH SIDE OF OPENING. USE THIS SCHEDULE UNLESS NOTED OTHERWISE.



LOGAN HIGH SCHOOL - SOFTBALL PRESS BOX
 OWNERS NAME LOGAN CITY SCHOOL DISTRICT
 PROJECT ADDRESS 162 WEST 100 SOUTH, LOGAN, 84321

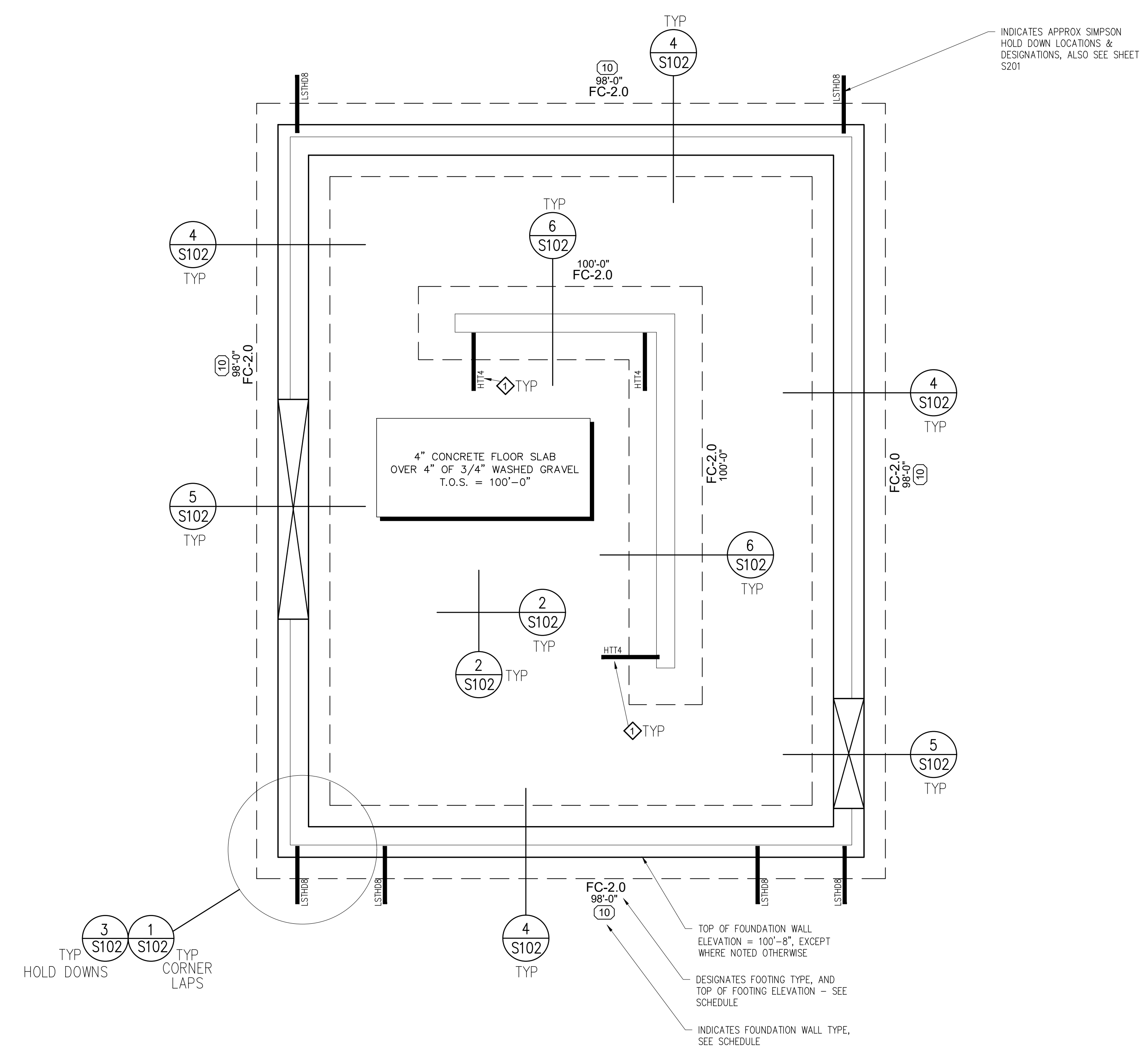
DESCRIPTION:	MARK:	DATE:

PROJECT # 2025-002
 DESIGNED BY: JCM
 DRAWN BY: JCM
 CHECKED BY: SM
 ISSUED: Jan. 14th, 2025



1-14-25
GENERAL STRUCTURAL NOTES

S001

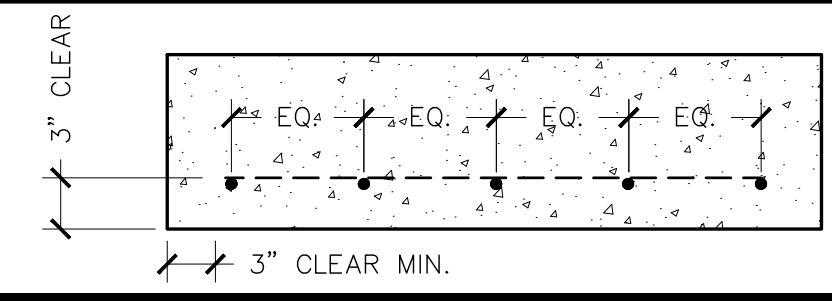


FOOTING & FOUNDATION PLAN
 SCALE: 1/2"

- KEYED NOTES:**
- ◇ ANCHOR BOLT FOR HTT4 HOLD DOWN ANCHORS SHALL BE 3/8" DIAMETER, EPOXY ANCHORED 10" INTO TOP OF CONCRETE SLAB/FOOTING, FASTEN HOLD DOWN TO DOUBLE 2X6 WALL STUDS MINIMUM.

CONCRETE FOOTING SCHEDULE

MARK NO.	DIMENSIONS			CROSSWISE REINFORCEMENT				LENGTHWISE REINFORCEMENT				COMMENTS
	WIDTH	LENGTH	THICKNESS	NO.	SIZE	LENGTH	SPACE	NO.	SIZE	LENGTH	SPACE	
FC-2.0	2'-0"	CONT.	12"	-	-	-	-	(3)	#4	CONT.	EQ	REINF. 3" FROM BOTTOM



CONCRETE FOUNDATION WALL SCHEDULE

WALL NO.	THICKNESS	VERT. REINF.		HORIZ. REINF.		COMMENTS
		SIZE	SPACE	SIZE	SPACE	
(10)	10"	#4	18" MAX	#4	12" MAX	CENTER REINF. IN WALL

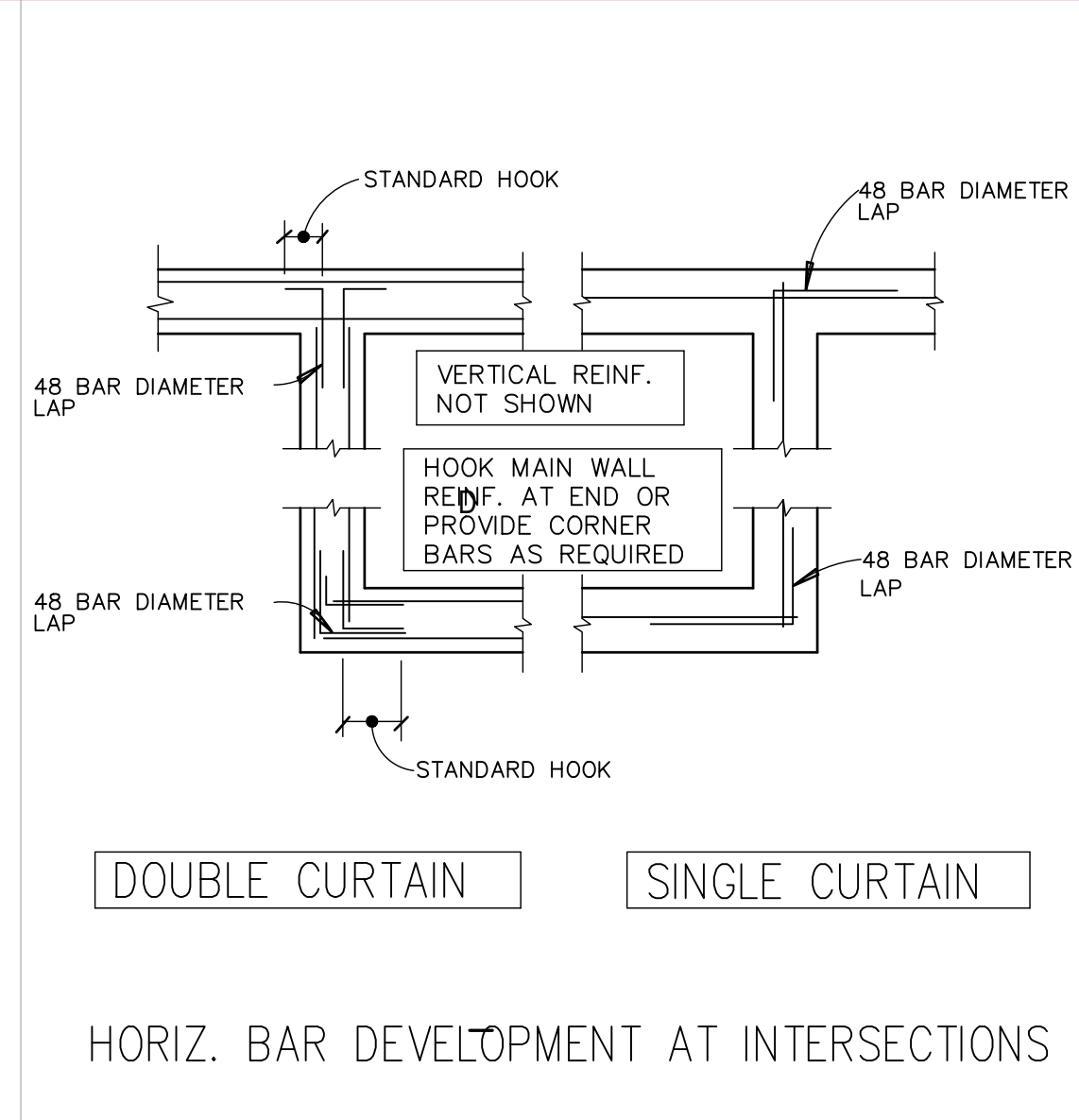
- FOUNDATION PLAN NOTES:**
1. COORDINATE & VERIFY THIS DRAWING WITH EXISTING SITE CONDITIONS, ARCHITECTURAL, SITE, MECHANICAL, ELECTRICAL, AND CIVIL DRAWINGS PRIOR TO START OF CONSTRUCTION.
 2. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN ON THIS DRAWING. CROSS COORDINATE ALL DIMENSIONS.
 3. REFER TO GENERAL STRUCTURAL NOTES & THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 4. FIELD VERIFY ALL TOP OF FOOTING ELEVATIONS WILL ACHIEVE 30" OF FROST PROTECTION FROM THE FINISHED GRADE, PRIOR TO COMPLETION OF EXCAVATION.
 5. REFER TO DETAIL (2/S102) FOR TYPICAL SLAB CONTROL JOINT, AND CONSTRUCTION JOINT DETAIL. JOINT LOCATIONS & SPACING SHALL BE DETERMINED BY CONTRACTOR. SEE DETAIL (1/S102) FOR TYPICAL HORIZONTAL BAR LAPS AT ALL WALL AND FOOTING CORNERS AND INTERSECTIONS.
 6. REFER TO ARCHITECT FOR VAPOR BARRIER REQUIREMENTS BELOW SLABS.
 7. "SW" INDICATES APPROXIMATE TOP OF WALL STEP LOCATION. COORDINATE WITH ARCHITECTURAL PLANS AND DETAILS.
 8. "STEP FTG" INDICATES APPROXIMATE FOOTING STEP LOCATION. STEP FOOTINGS AS REQ'D TO ACHIEVE 30" FROST PROTECTION.

MARK:

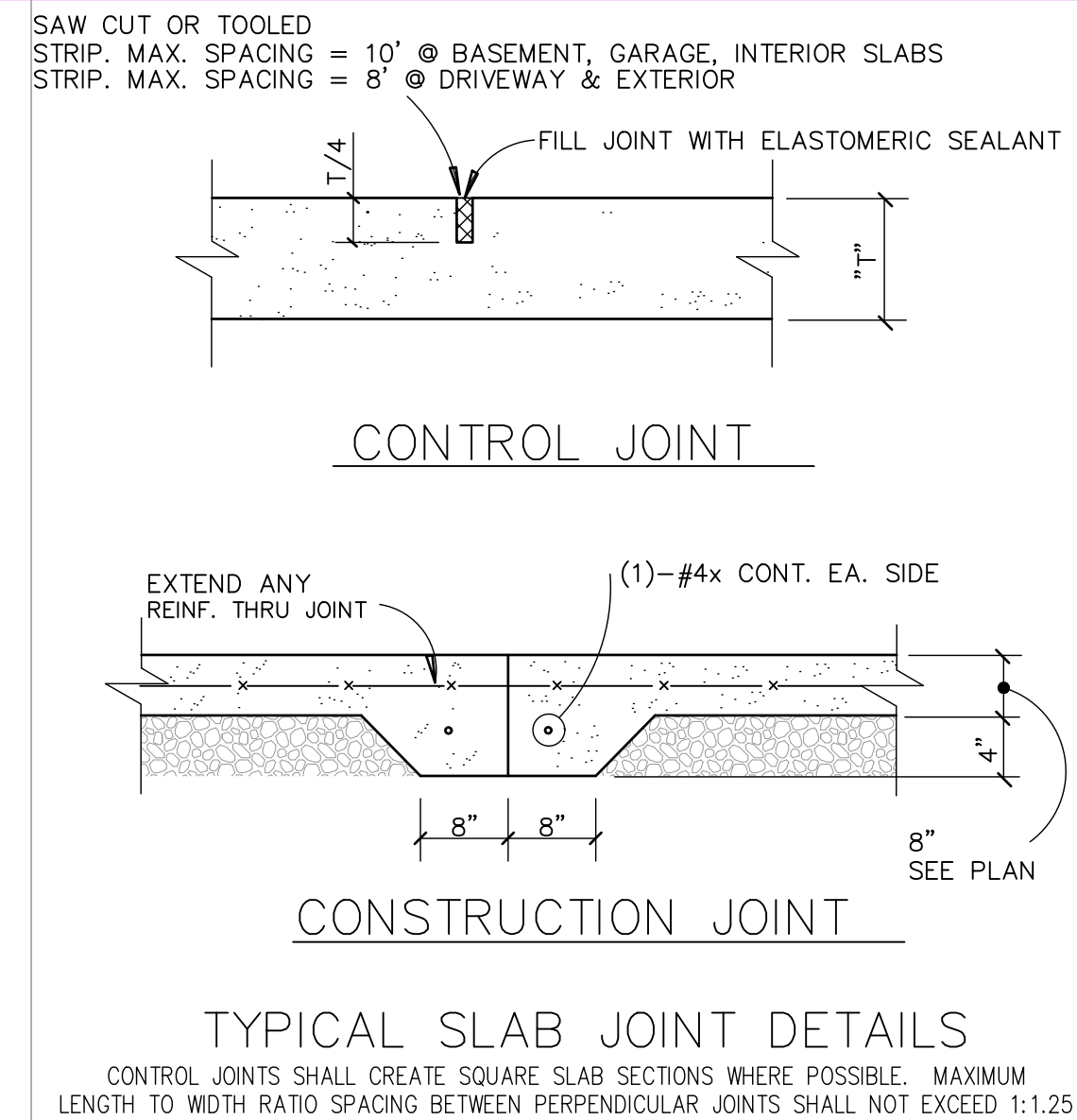
DESCRIPTION:	DATE:

PROJECT # 2025-002
 DESIGNED BY: JCM
 DRAWN BY: JCM
 CHECKED BY: SM
 ISSUED: Jan. 14th, 2025

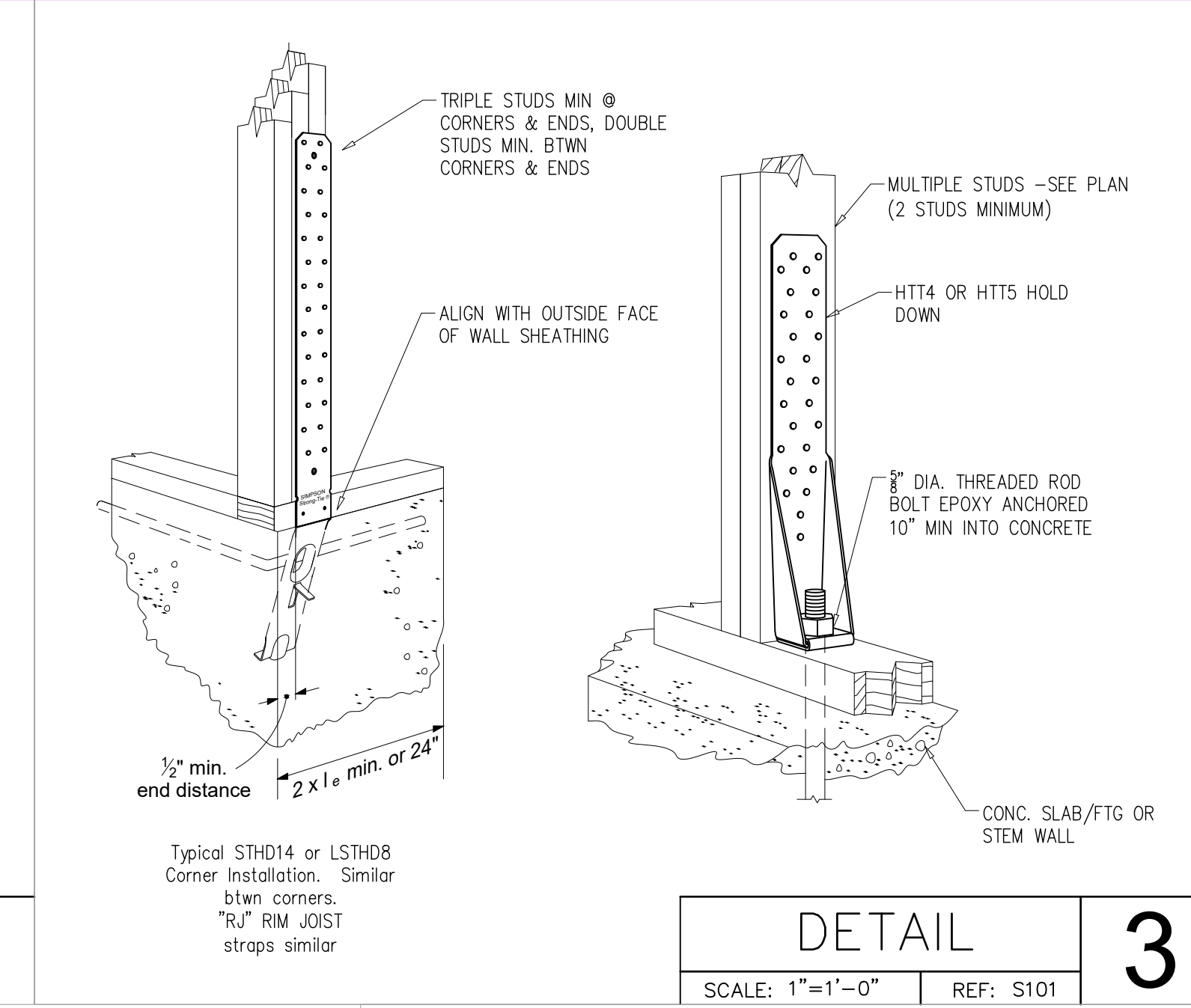




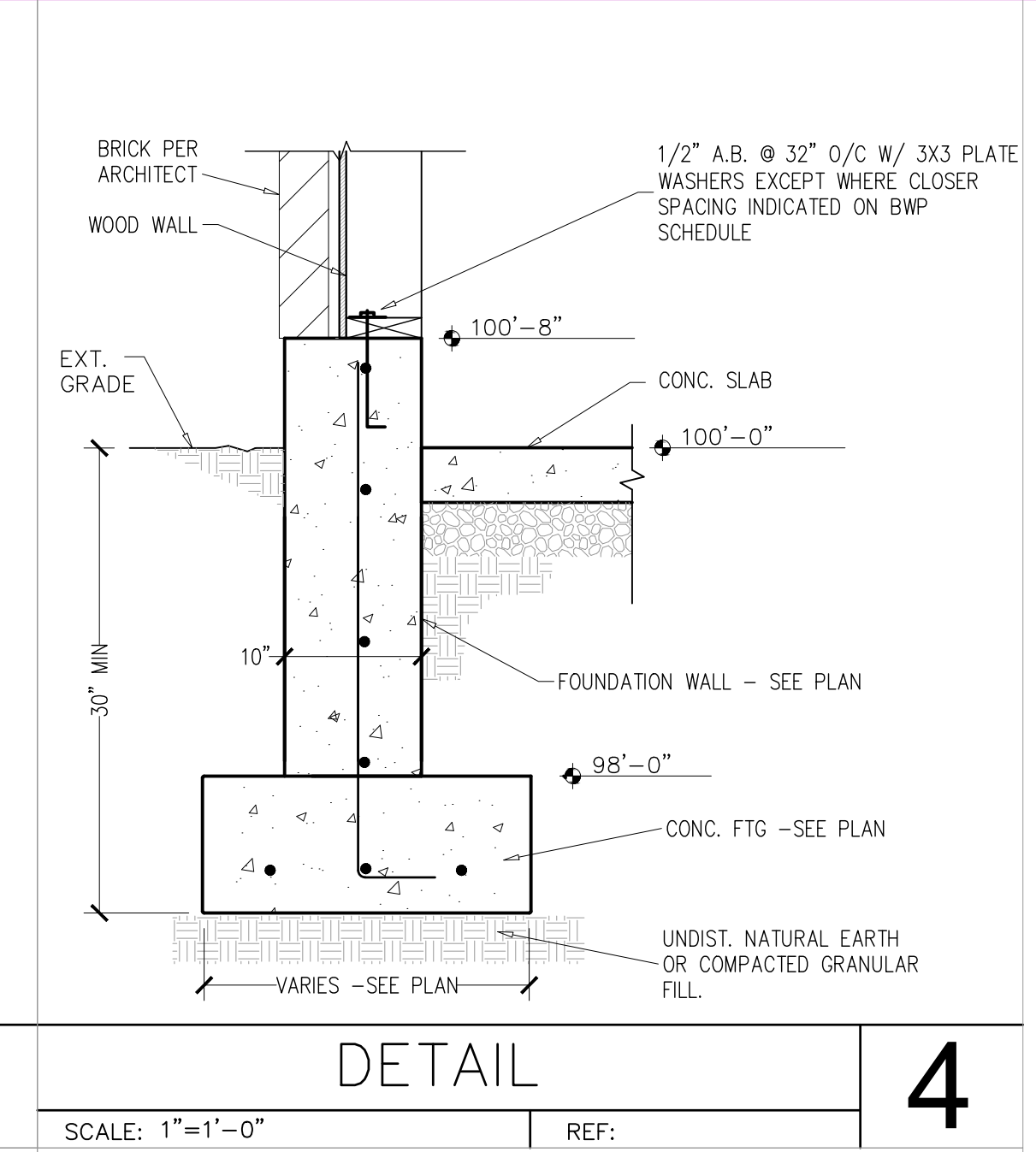
DETAIL 1
SCALE: 1"=1'-0" REF: --



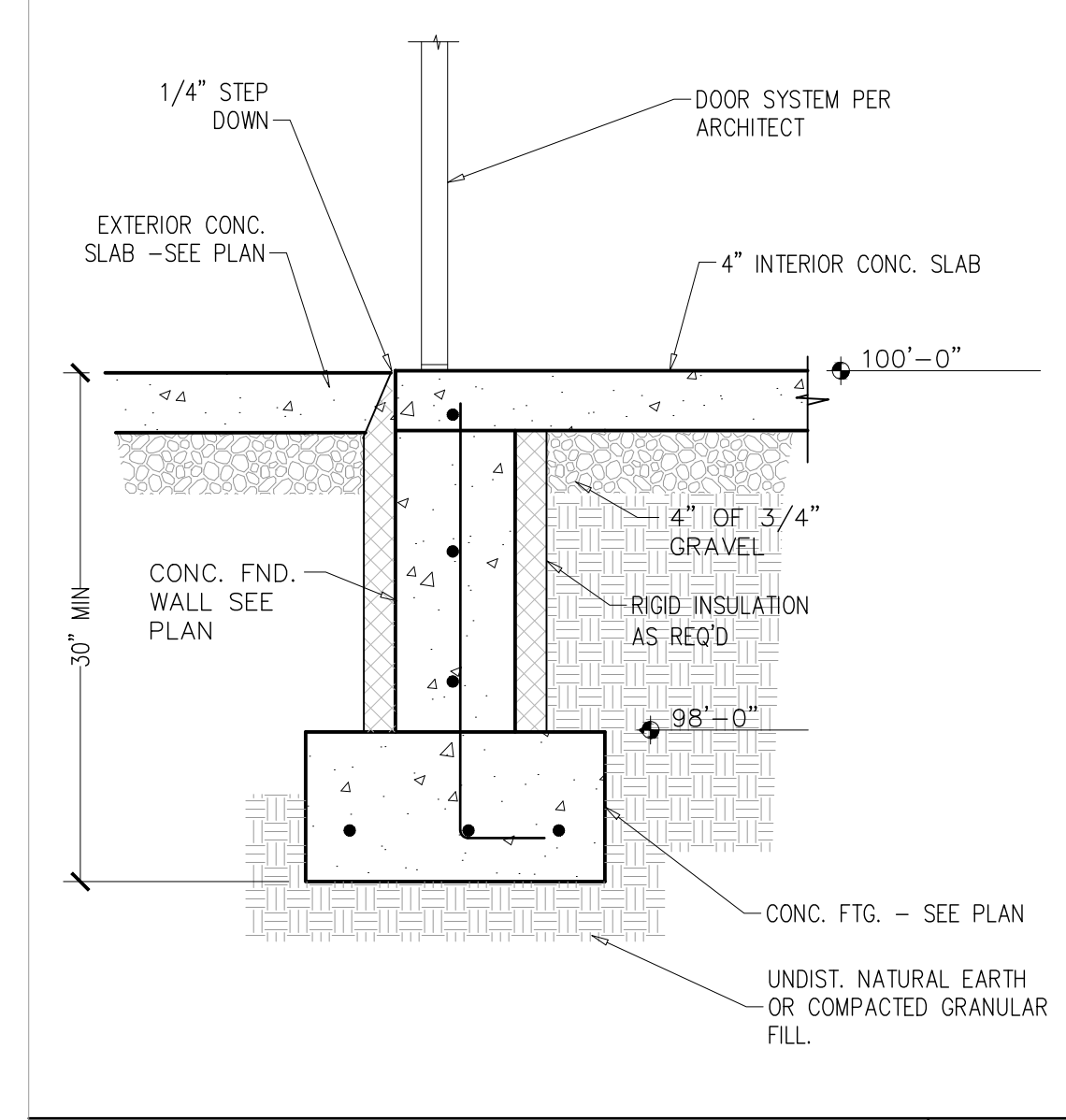
DETAIL 2
SCALE: 1"=1'-0" REF: --



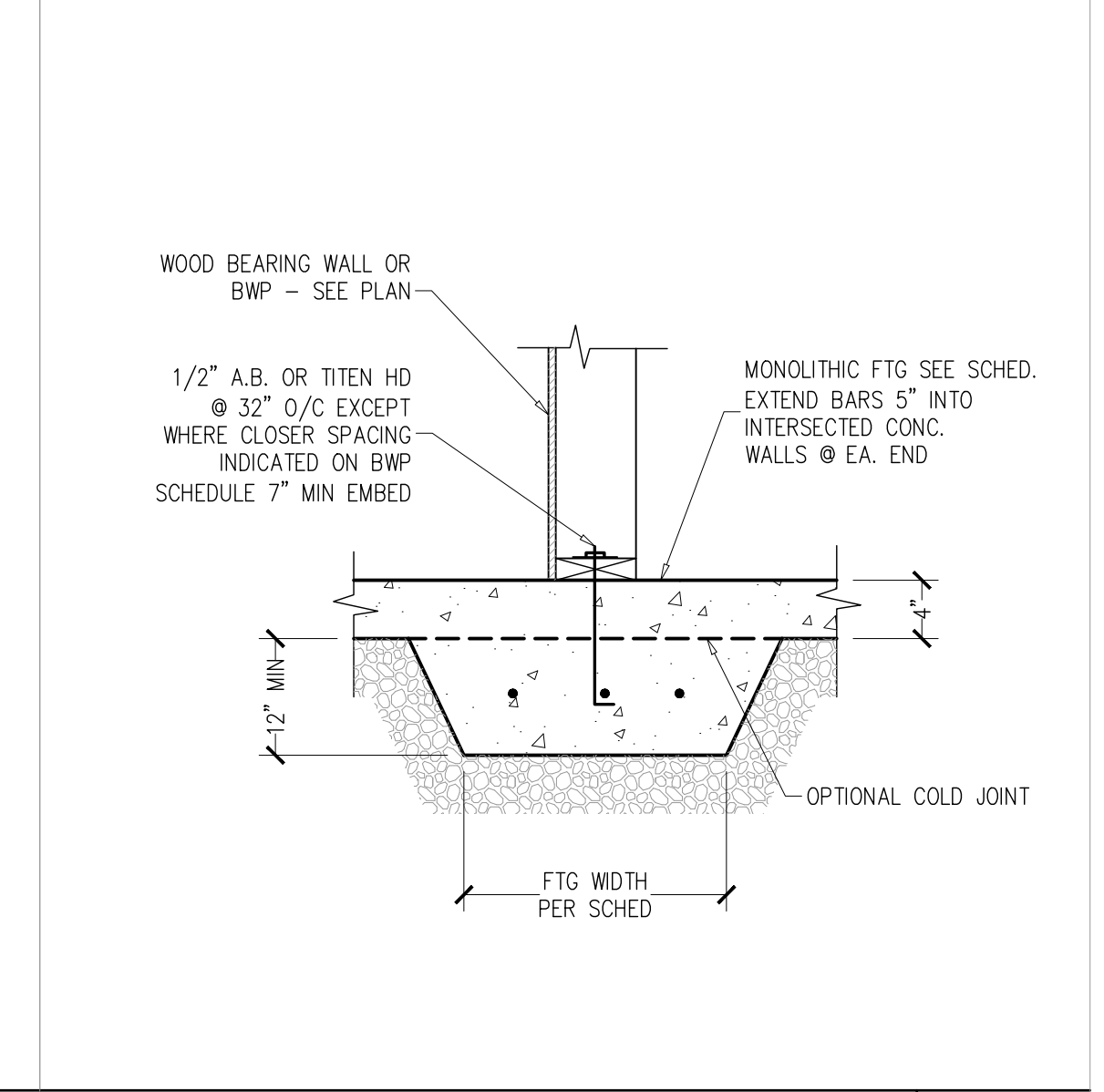
DETAIL 3
SCALE: 1"=1'-0" REF: S101



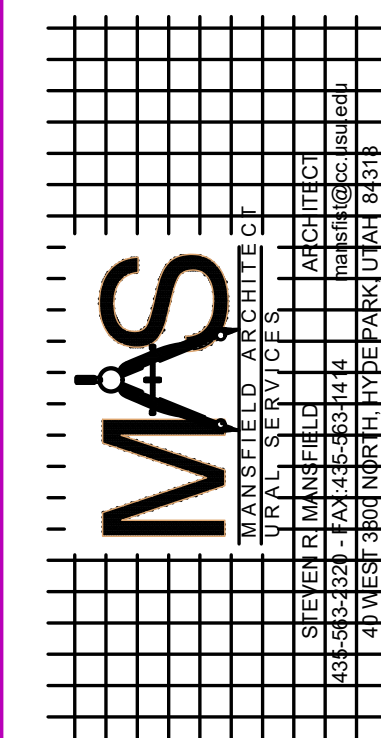
DETAIL 4
SCALE: 1"=1'-0" REF: --



DETAIL 5
SCALE: 1"=1'-0" REF: S101



DETAIL 6
SCALE: 1"=1'-0" REF: S1.0



LOGAN HIGH SCHOOL - SOFTBALL PRESS BOX

OWNERS NAME LOGAN CITY SCHOOL DISTRICT
PROJECT ADDRESS 162 WEST 100 SOUTH, LOGAN, 84321

MARK:	DATE:	DESCRIPTION:

PROJECT #: 2025-002
DESIGNED BY: JCM
DRAWN BY: JCM
CHECKED BY: SM
ISSUED: Jan. 14th, 2025



1-14-25
FOUNDATION DETAILS

MARK:	DATE:	DESCRIPTION:

PROJECT #: 2025-002
DESIGNED BY: JCM
DRAWN BY: JCM
CHECKED BY: SM
ISSUED: Jan. 14th, 2025



1-14-25
UPPER FLOOR FRAMING PLAN

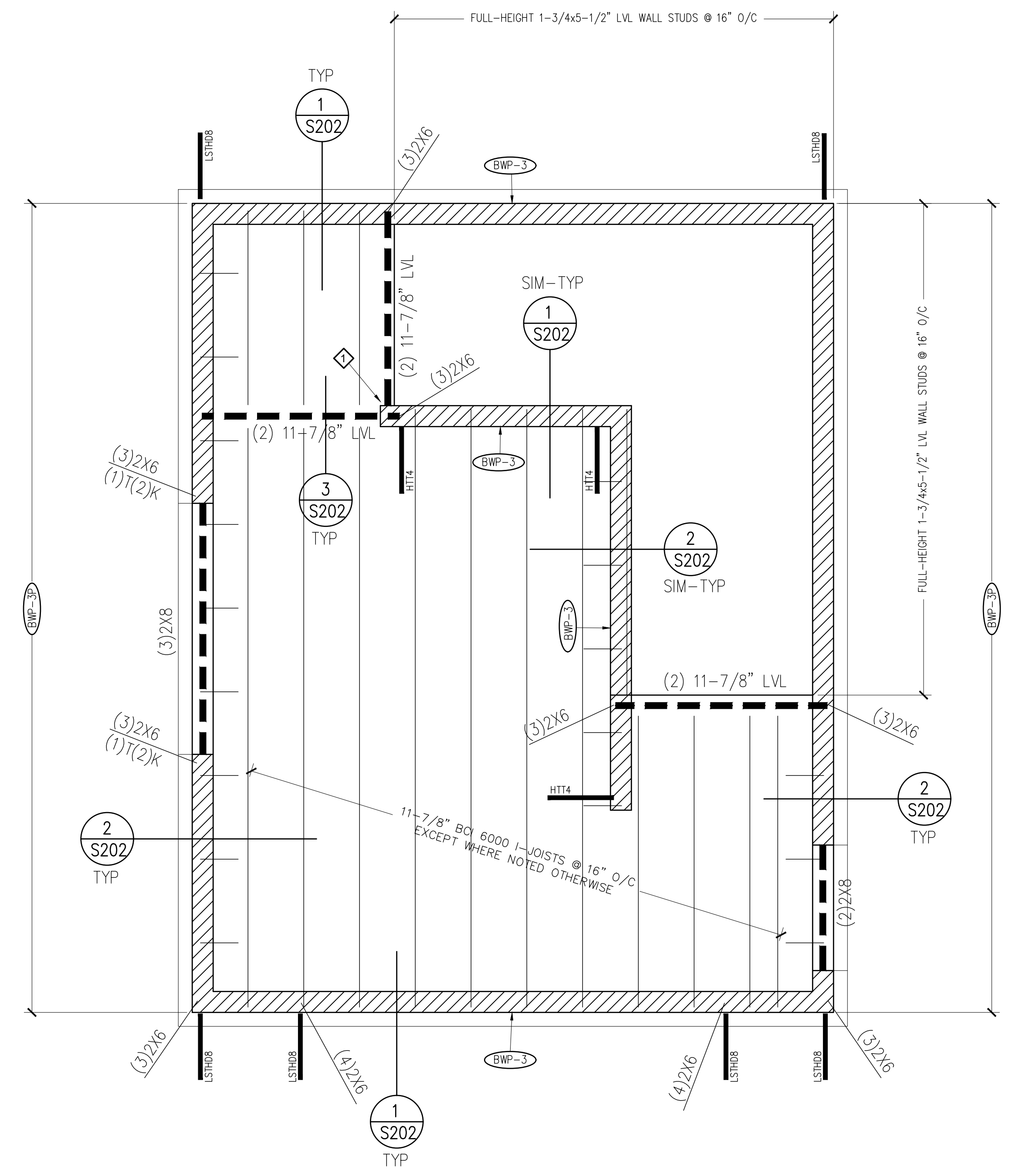
S201

PLAN NOTES:

- COORDINATE & VERIFY THIS DRAWING WITH ELECTRICAL, MECHANICAL, ARCHITECTURAL, & TRUSS MANUFACTURER'S DRAWINGS PRIOR TO START OF CONSTRUCTION.
- APPLY DETAILS TO ALL APPLICABLE LOCATIONS.
- (BWP-3)** DESIGNATES BRACED WALL PANEL TYPE. SEE BRACED WALL PANEL SCHEDULE. INSTALL SPECIFIED HOLD DOWN ANCHORS AT EACH END OF EACH BRACED WALL PANEL.
- ALL ROOF TRUSSES & FLOOR SHALL BE DESIGNED BY THE TRUSS MANUFACTURER. ALL TRUSS TO TRUSS CONNECTIONS SHALL ALSO BE DESIGNED AND SPECIFIED BY THE TRUSS MANUFACTURER.
- ROOF SHEATHING: ALL ROOF SHEATHING SHALL BE 5/8" RATED OSB MINIMUM. ROOF SHEATHING SHALL BE NAILED WITH 8d NAILS @ 6" o/c ALONG ALL SUPPORTED EDGES, AND 12" o/c IN THE FIELD. SPECIAL NAILING SHALL BE APPLIED INTO TRUSSES AND TRUSS BLOCKING NEAR ALL PERIMETER WALLS AS INDICATED IN THE FRAMING DETAILS.
- FLOOR SHEATHING: ALL FLOOR SHEATHING SHALL BE 3/4" RATED TONGUE & GROOVE OSB MINIMUM. FLOOR SHEATHING SHALL BE NAILED WITH 10d RING SHANK NAILS @ 6" o/c ALONG ALL SUPPORTED EDGES, AND 12" o/c IN THE FIELD. SPECIAL NAILING SHALL BE APPLIED INTO RIM JOIST AND BLOCKING NEAR ALL PERIMETER WALLS AS INDICATED IN THE FRAMING DETAILS.
- WALLS: ALL EXTERIOR WALLS NOT LABELED AS BRACED WALL PANELS SHALL BE SHEATHED AND NAILED PER BWP-1 ON THE BRACED WALL PANEL SCHEDULE. EXTERIOR BEARING WALLS SHALL BE 2X6 AT 16" O/C, EXCEPT IF NOTED OTHERWISE. INTERIOR BEARING WALLS SHALL BE 2X6 AT 16" O/C, EXCEPT IF NOTED OTHERWISE. SUPPORT HEADER BEAMS WITH A SINGLE 2X TRIMMER STUD AND A SINGLE 2X KING STUD, EXCEPT WHERE ADDITIONAL STUDS ARE INDICATED.
- INSTALL SOLID SQUASH BLOCKING VERTICAL STUDS IN FLOOR CAVITY AT ALL COLUMN AND JAMB LOCATIONS WITH MORE THAN (2) JAMB STUDS. SQUASH BLOCKING CROSS-SECTIONAL AREA SHALL MATCH COLUMN AREA. CONTINUE ALL COLUMNS IN WALLS BELOW. RIM JOISTS MAY BE CONSIDERED PART OF THE SQUASH BLOCK AREA. SECURE IN PLACE WITH NAILS, GLUE, STRUCTURAL SCREWS, AND SIMPSON ANCHORS AS REQUIRED. TRUSS MANUFACTURER SHALL INCORPORATE VERTICAL SQUASH BLOCK WEB MEMBERS IN PERIMETER RIM FLOOR TRUSSES @ CUPPER FLOOR JAMB STUD/COLUMN LOCATIONS.

KEYED NOTES:

- ◇ HANG END OF BEAM TO FACE OF BEAM WITH SIMPSON HUC412 CONCEALED FLANGE HANGER.

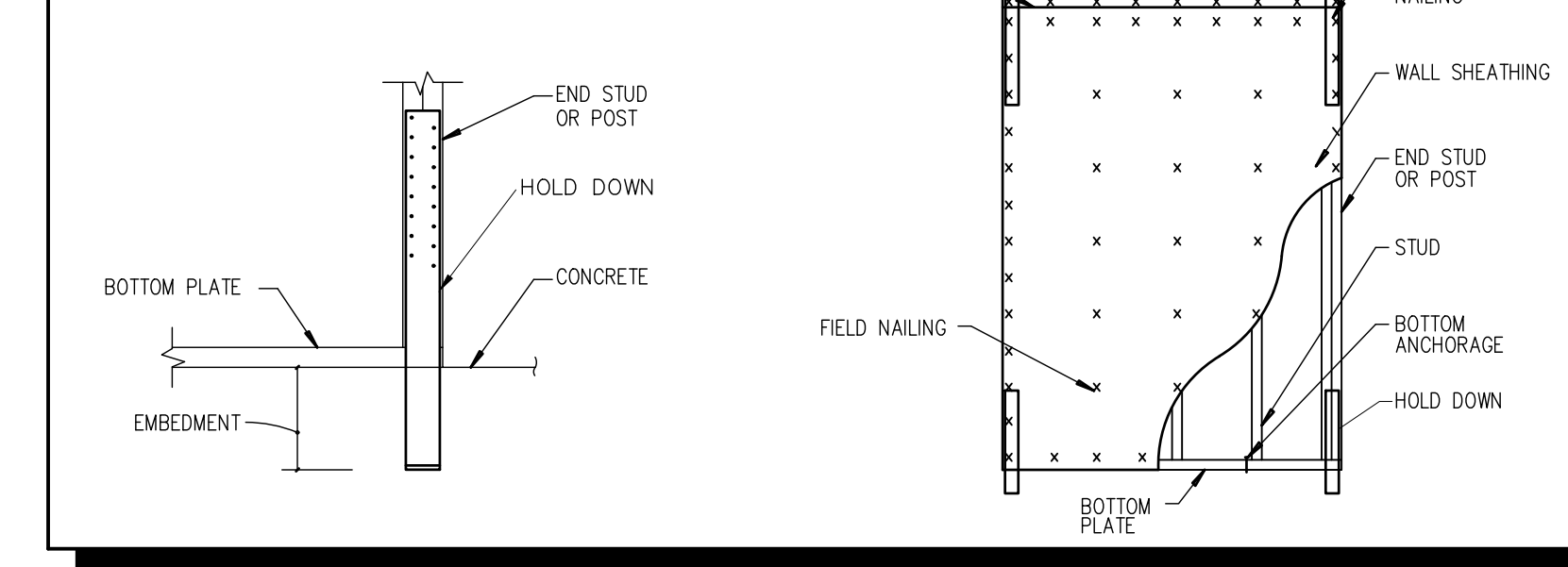


UPPER FLOOR FRAMING PLAN
SCALE: 1/2"

BRACED WALL PANEL SCHEDULE

MARK	WALL FRAMING			WALL ANCHORAGE		WALL SHEATHING	EDGE NAILING		FIELD NAILING		REMARKS			
	STUDS	SPACING	END STUDS OR POST	BOTTOM ANCHORAGE	HOLD DOWN		SIZE	SPACING	SIZE	SPACING				
BWP-1	2x	16"	2x	(2) 2x	2x	(2) 164 @ 8" / 8" OR 1/2" A.B. @ 32" O/C	NONE	7/16" OSB	8d	6"	8d	12"	-	
BWP-2	"	"	"	"	(2) 2x	(3) 164 @ 8"	MS148 BTWN FLOORS	"	"	4"	"	"	"	PERF. BWP FULLY SHEATH
BWP-2P	"	"	"	"	(2) 2x	(3) 164 @ 8"	MS148 BTWN FLOORS	"	"	4"	"	"	"	PERF. BWP FULLY SHEATH BOTH SIDES
BWP-2B	"	"	"	"	(2) 2x	(3) 164 @ 8"	MS148 BTWN FLOORS	"	"	4"	"	"	"	PERF. BWP FULLY SHEATH BOTH SIDES
BWP-3	"	"	"	"	(2) 2x	(3) 164 @ 8" / 8" OR 1/2" A.B. @ 32" O/C	LSTHD8 OR HTT4	"	"	4"	"	"	"	PERF. BWP FULLY SHEATH
BWP-3P	"	"	"	"	(2) 2x	(3) 164 @ 8" / 8" OR 1/2" A.B. @ 32" O/C	LSTHD8 OR HTT4	"	"	4"	"	"	"	PERF. BWP FULLY SHEATH
BWP-4	"	"	(2) 2x	"	(2) 2x	(3) 164 @ 8" / 8" OR 1/2" A.B. @ 32" O/C	SHD14 HTT5	"	"	4"	"	"	"	FULLY SHEATH BOTH SIDES
BWP-4B	"	"	(2) 2x	"	(2) 2x	(3) 164 @ 8" / 8" OR 1/2" A.B. @ 32" O/C	SHD14 HTT5	"	"	4"	"	"	"	PERF. BWP FULLY SHEATH BOTH SIDES

- NOTES:
- ALL WALL SHEATHING SHALL BE A.P.A. RATED SHEATHING, EXPOSURE 1. INSTALL (1) HOLD DOWN ANCHOR @ EACH END OF EACH SHEAR WALL.
 - WHERE STUD MUST BE CUT DUE TO THE PLACEMENT OF ANCHOR BOLTS OR OTHER PRODUCTS, AN ADDITIONAL STUD SHALL BE INSERTED ALONG SIDE.
 - ALL PANEL EDGES SHALL BE SOLID BLOCKED WITH 2x FRAMING MEMBER, EXCEPT USE 3x MEMBER FOR NAIL SPACING OF 2' O.C. OR LESS.
 - WHERE PLYWOOD SHEATHING IS APPLIED ON BOTH FACES OF WALL AND NAIL SPACING IS LESS THAN 6" O.C. ON EITHER SIDE, OR THICKER AND NAILS ON EACH SIDE SHALL BE STAGGERED.
 - DISTANCE FROM PANEL EDGE TO NAILING SHALL BE NOT LESS THAN 3/8"
 - SHEATHING SHALL BE APPLIED WITH EDGES 1/8" APART AT SIDE JOINTS AND 1/16" APART AT END JOINTS.
 - NAILS REFERRED TO SHALL BE COMMON OR GALVANIZED BOX NAILS.
 - THE 'HD' MARK REFERS TO 'SIMPSON' HOLD-DOWN ANCHORS.
 - INSTALL STRAPS AND ANCHORS PER SIMPSON'S RECOMMENDATIONS.
 - ALL ANCHOR BOLT WASHERS SHALL BE 3X3 PLATE STEEL.

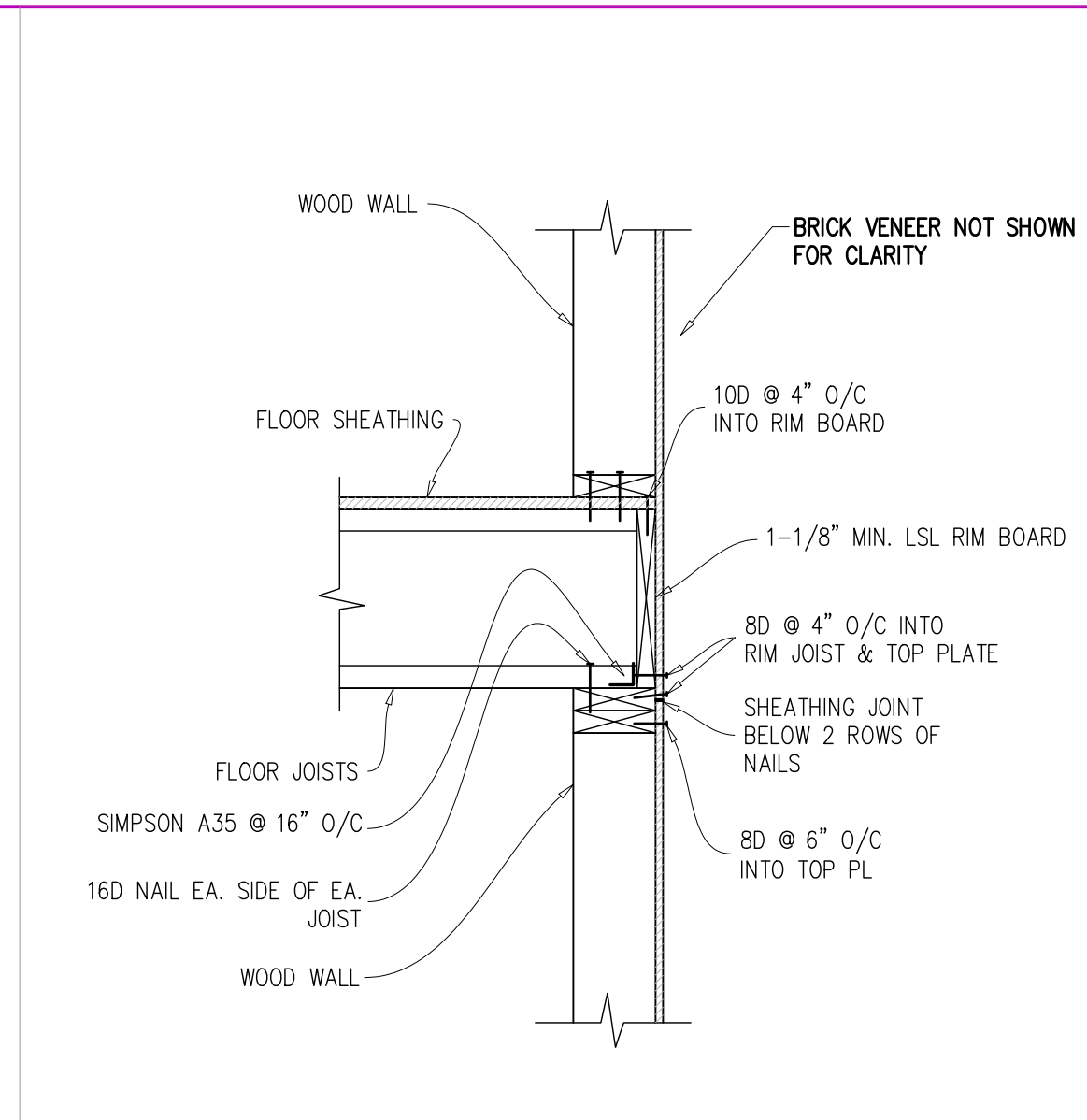


D

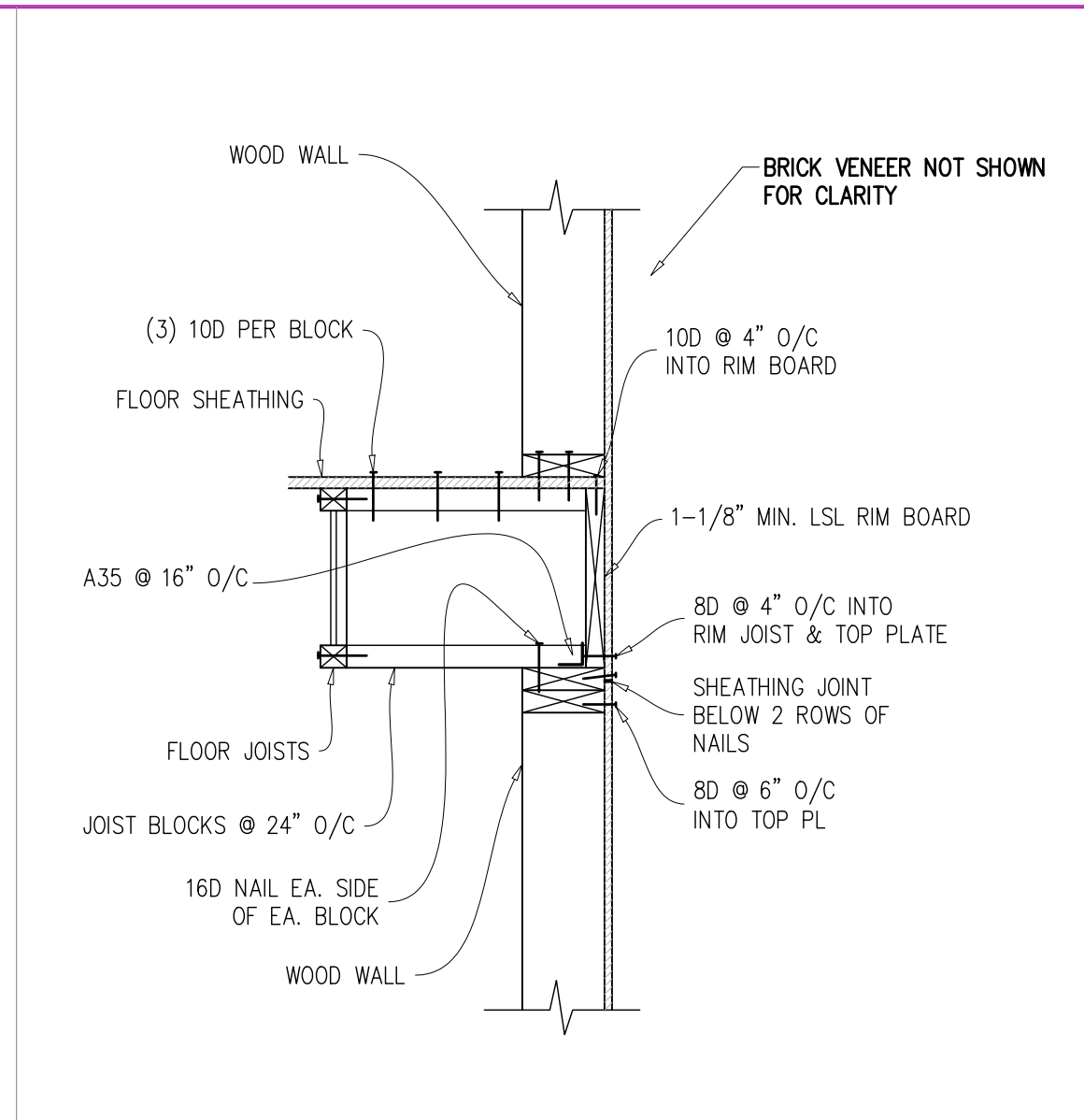
C

B

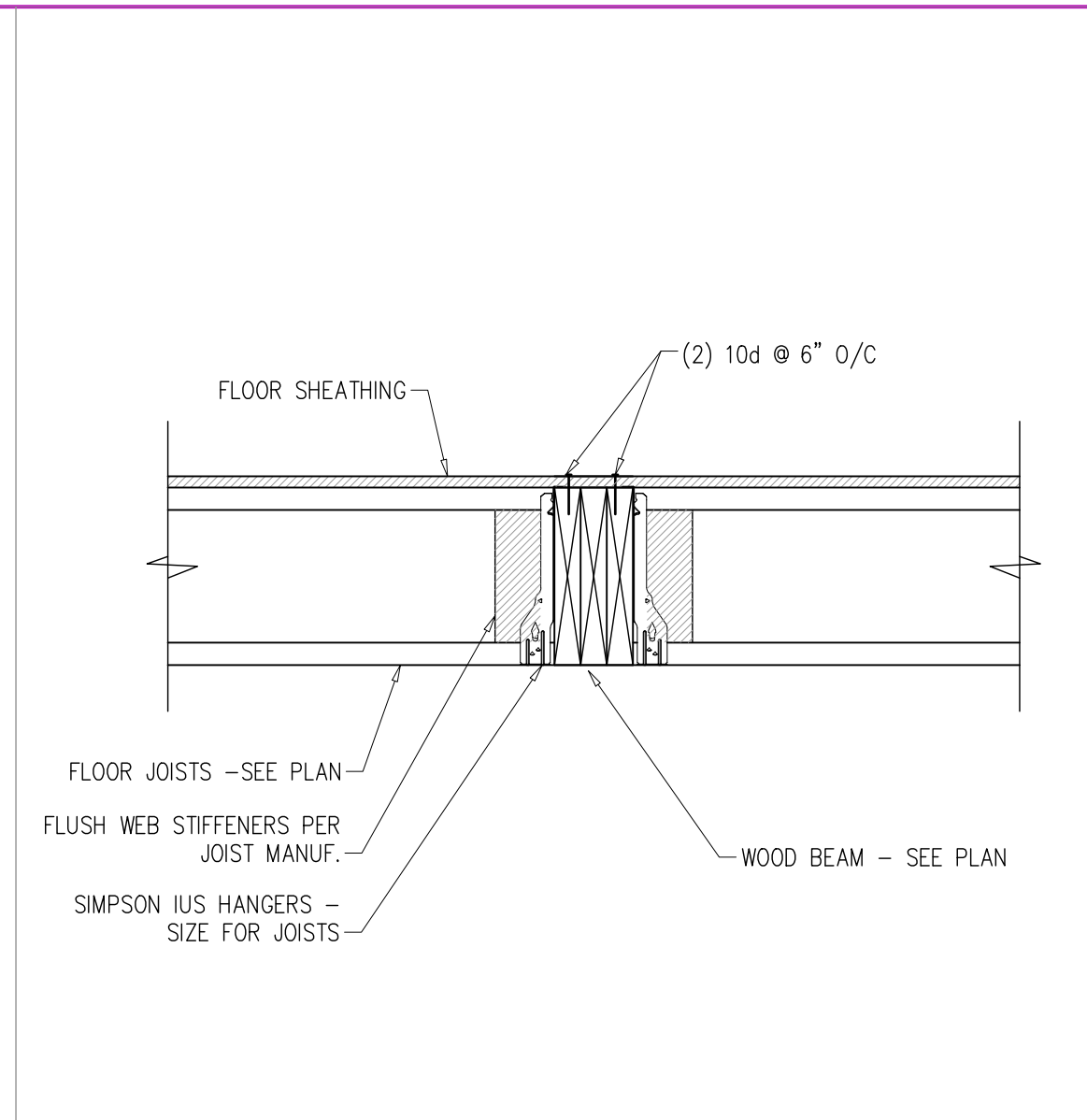
A



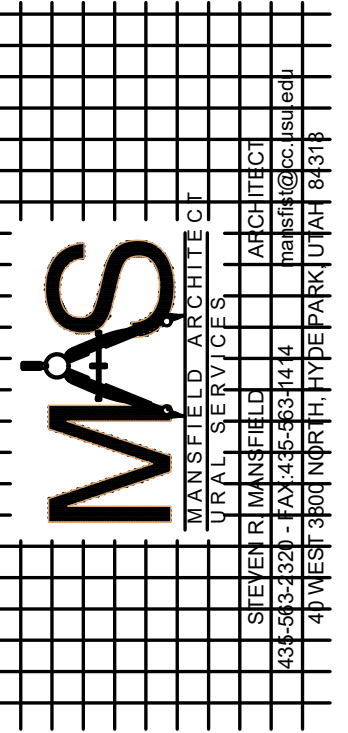
DETAIL 1
SCALE: 1"=1'-0" REF: S201



DETAIL 2
SCALE: 1"=1'-0" REF: S201



DETAIL 3
SCALE: 1"=1'-0" REF: S201



LOGAN HIGH SCHOOL - SOFTBALL PRESS BOX

OWNERS NAME LOGAN CITY SCHOOL DISTRICT
PROJECT ADDRESS 162 WEST 100 SOUTH, LOGAN, 84321

MARK	DATE	DESCRIPTION

PROJECT # 2025-002
DESIGNED BY: JCM
DRAWN BY: JCM
CHECKED BY: SM
ISSUED: Jan. 14th, 2025



1-14-25
FLOOR FRAMING DETAILS

S202

MARK:	DATE:	DESCRIPTION:

PROJECT #: 2025-002
DESIGNED BY: JCM
DRAWN BY: JCM
CHECKED BY: SM
ISSUED: Jan. 14th, 2025



PLAN NOTES:

- COORDINATE & VERIFY THIS DRAWING WITH ELECTRICAL, MECHANICAL, ARCHITECTURAL, & TRUSS MANUFACTURER'S DRAWINGS PRIOR TO START OF CONSTRUCTION.
- APPLY DETAILS TO ALL APPLICABLE LOCATIONS.
- (BWP-2)** DESIGNATES BRACED WALL PANEL TYPE. SEE BRACED WALL PANEL SCHEDULE. INSTALL SPECIFIED HOLD DOWN ANCHORS AT EACH END OF EACH BRACED WALL PANEL.
- ALL ROOF TRUSSES & FLOOR SHALL BE DESIGNED BY THE TRUSS MANUFACTURER. ALL TRUSS TO TRUSS CONNECTIONS SHALL ALSO BE DESIGNED AND SPECIFIED BY THE TRUSS MANUFACTURER.
- ROOF SHEATHING: ALL ROOF SHEATHING SHALL BE 5/8" RATED OSB MINIMUM. ROOF SHEATHING SHALL BE NAILED WITH 8d NAILS @ 6" o/c ALONG ALL SUPPORTED EDGES, AND 12" o/c IN THE FIELD. SPECIAL NAILING SHALL BE APPLIED INTO TRUSSES AND TRUSS BLOCKING NEAR ALL PERIMETER WALLS AS INDICATED IN THE FRAMING DETAILS.
- FLOOR SHEATHING: ALL FLOOR SHEATHING SHALL BE 3/4" RATED TONGUE & GROOVE OSB MINIMUM. FLOOR SHEATHING SHALL BE APPLIED INTO RIM JOIST AND BLOCKING NEAR ALL PERIMETER WALLS AS INDICATED IN THE FRAMING DETAILS.
- WALLS: ALL EXTERIOR WALLS NOT LABELED AS BRACED WALL PANELS SHALL BE SHEATHED AND NAILED PER BWP-1 ON THE BRACED WALL PANEL SCHEDULE. EXTERIOR BEARING WALLS SHALL BE 2X6 AT 16" O/C, EXCEPT IF NOTED OTHERWISE. INTERIOR BEARING WALLS SHALL BE 2X6 AT 16" O/C, EXCEPT IF NOTED OTHERWISE. SUPPORT HEADER BEAMS WITH A SINGLE 2X TRIMMER STUD AND A SINGLE 2X KING STUD, EXCEPT WHERE ADDITIONAL STUDS ARE INDICATED.
- INSTALL SOLID SQUASH BLOCKING VERTICAL STUDS IN FLOOR CAVITY AT ALL COLUMN AND JAMB LOCATIONS WITH MORE THAN (2) JAMB STUDS. SQUASH BLOCKING CROSS-SECTIONAL AREA SHALL MATCH COLUMN AREA. CONTINUE ALL COLUMNS IN WALLS BELOW. RIM JOISTS MAY BE CONSIDERED PART OF THE SQUASH BLOCK AREA. SECURE IN PLACE WITH NAILS, GLUE, STRUCTURAL SCREWS, AND SIMPSON ANCHORS AS REQUIRED. TRUSS MANUFACTURER SHALL INCORPORATE VERTICAL SQUASH BLOCK WEB MEMBERS IN PERIMETER RIM FLOOR TRUSSES @ CUPPER FLOOR JAMB STUD/COLUMN LOCATIONS.

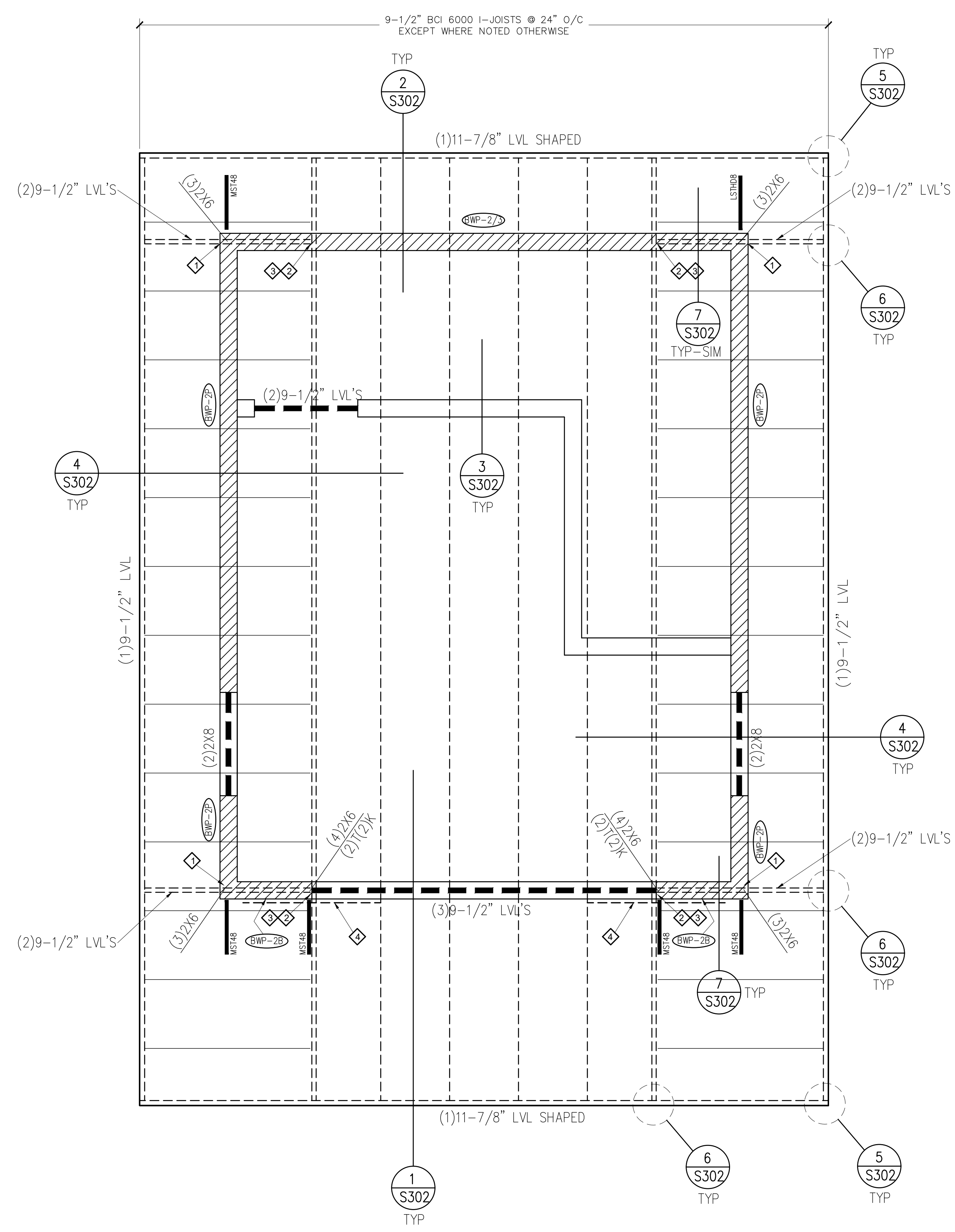
KEYED NOTES:

- ANCHOR END OF CANTILEVERED BEAM FOR UPLIFT, TO WALL STUDS BELOW WITH SIMPSON H6 EA. SIDE, PLACED VERTICALLY. BENT TOP OF ANCHORS AS REQ'D FOR ROOF SLOPE.
- ANCHOR END OF UPPER CANTILEVERED FOR UPLIFT, TO WOOD BEAM BELOW WITH SIMPSON H6 EA. SIDE, PLACED VERTICALLY. BENT TOP OF ANCHORS AS REQ'D FOR ROOF SLOPE.
- FASTEN END OF SHORT (2) 9-1/2" LVL BEAM, TO LONGER LVL BEAM, WITH SIMPSON ML28Z EA. SIDE.
- DASHED LINE INDICATES 48" LONG MIN. SIMPSON CS16 STRAP PLACED HORIZONTALLY, CENTERED AT TO AND BOTTOM CORNERS OF WINDOW OPENING. FASTEN THE 2X6 FLAT BLOCKING BTWN WALL STUDS ON HALF OF STRAP LAPPING BWP.

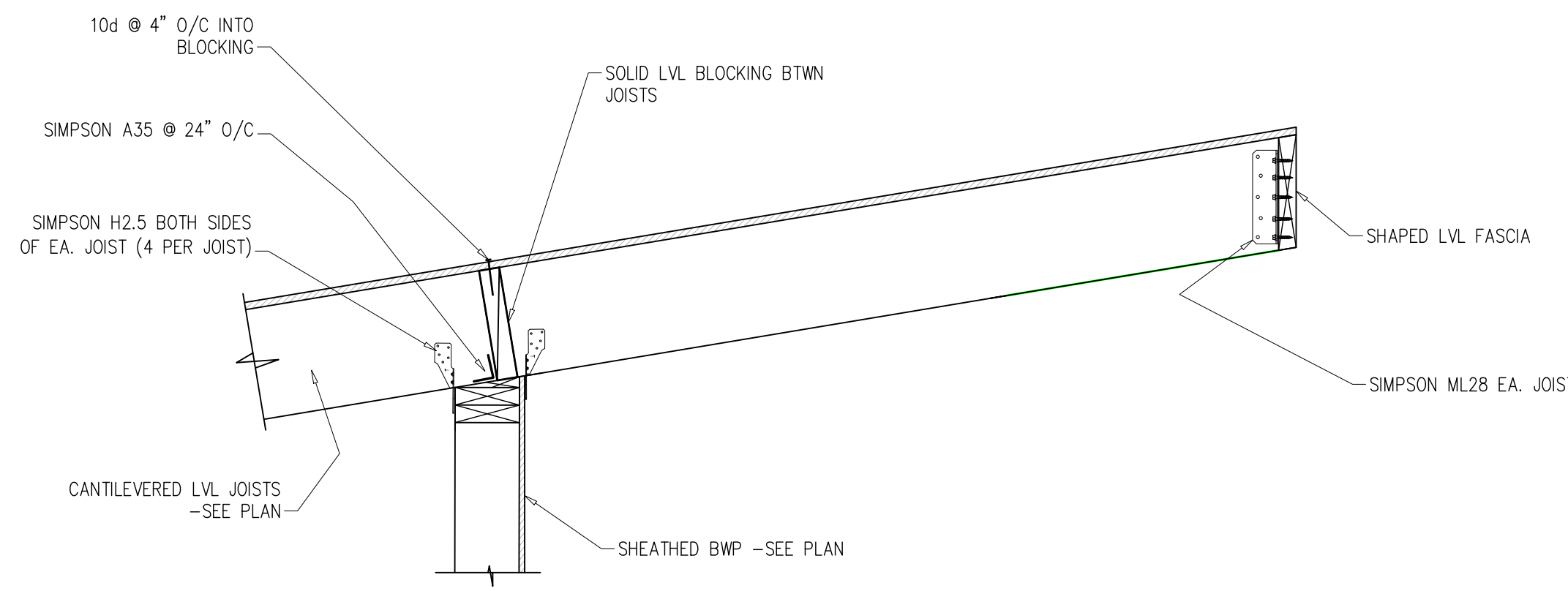
BRACED WALL PANEL SCHEDULE

MARK	WALL FRAMING				WALL ANCHORAGE			WALL SHEATHING	EDGE NAILING		FIELD NAILING		REMARKS
	STUDS	SPACING	BOTTOM PLATE	TOP PLATE	END STUDS OR POST	BOTTOM ANCHORAGE	HOLD DOWN		SIZE	SPACING	SIZE	SPACING	
BWP-1	2x	16"	2x	(2) 2x	2X	(3) 16d @ 8"	NONE	7/16" OSB	8d	6"	8d	12"	-
BWP-2	-	-	-	-	(2) 2x	(3) 16d @ 8"	MST48 BTWN FLOORS	-	-	-	4"	-	-
BWP-2P	-	-	-	-	(2) 2x	(3) 16d @ 8"	MST48 BTWN FLOORS	-	-	-	4"	-	PERF. BWP FULLY SHEATH
BWP-2B	-	-	-	-	(2) 2x	(3) 16d @ 8"	MST48 BTWN FLOORS	-	-	-	4"	-	PERF. BWP FULLY SHEATH BOTH SIDES
BWP-3	-	-	-	-	(2) 2x	(3) 16d @ 8"	LSTH08 OR HTT4	-	-	-	4"	-	-
BWP-3P	-	-	-	-	(2) 2x	(3) 16d @ 8"	LSTH08 OR HTT4	-	-	-	4"	-	PERF. BWP FULLY SHEATH
BWP-4	-	-	(2)2x	-	(2) 2x	(3) 16d @ 6"	STH074 OR HTT5	-	-	-	4"	-	FULLY SHEATH BOTH SIDES
BWP-4B	-	-	(2)2x	-	(2) 2x	(3) 16d @ 6"	STH074 OR HTT5	-	-	-	4"	-	PERF. BWP FULLY SHEATH BOTH SIDES

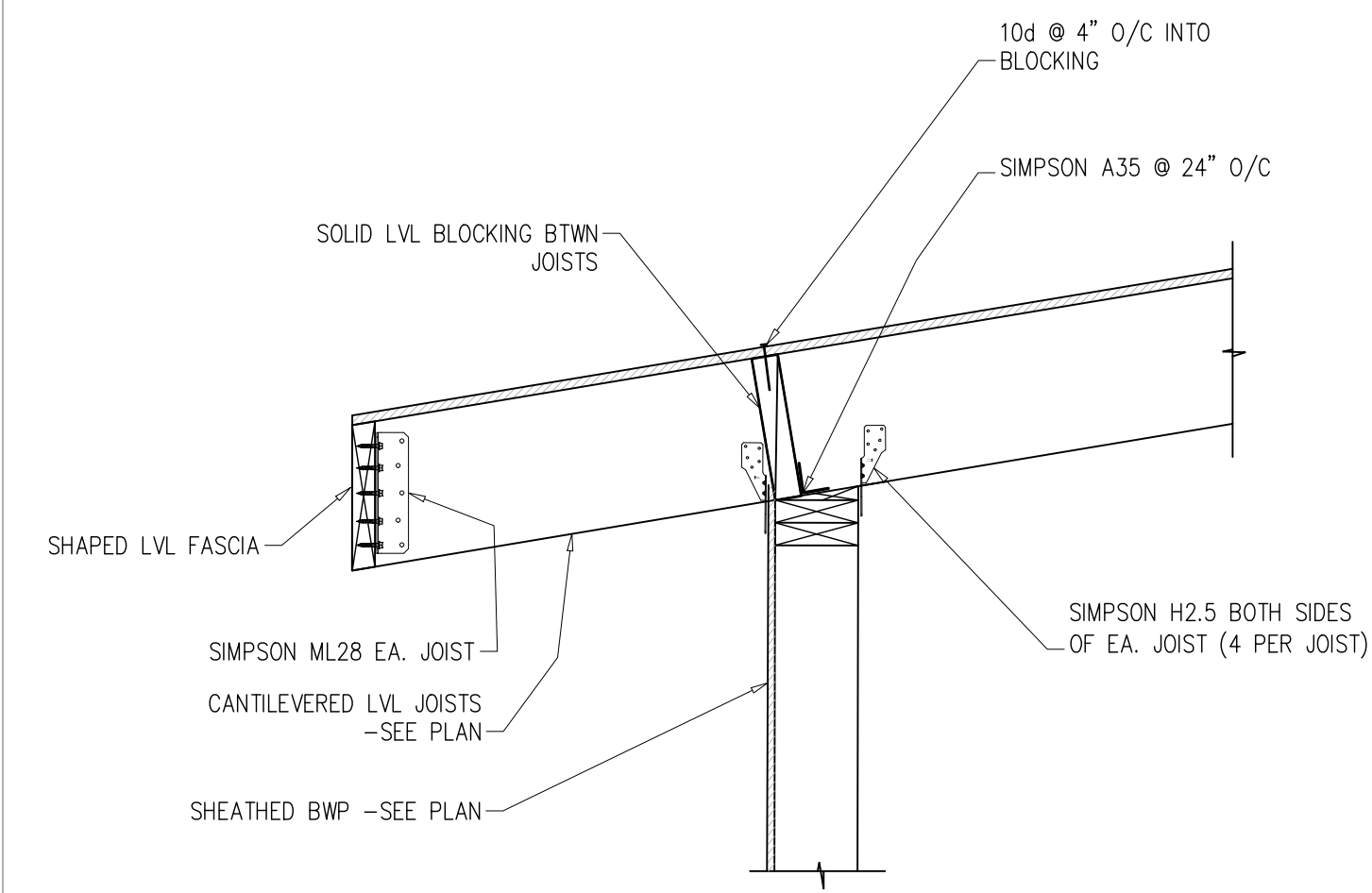
NOTES:
 1. ALL WALL SHEATHING SHALL BE A.P.A. RATED SHEATHING, EXPOSURE 1. INSTALL (1) HOLD DOWN ANCHOR @ EACH END OF EACH SHEAR WALL.
 2. WHERE STUD MUST BE CUT DUE TO THE PLACEMENT OF ANCHOR BOLTS OR OTHER PRODUCTS, AN ADDITIONAL STUD SHALL BE INSERTED ALONG SIDE.
 3. ALL PANEL EDGES SHALL BE SOLID BLOCKED WITH 2x FRAMING MEMBER, EXCEPT USE 3x MEMBER FOR NAIL SPACING OF 2" O.C. OR LESS.
 4. WHERE PLYWOOD SHEATHING IS APPLIED ON BOTH FACES OF WALL AND NAIL SPACING IS LESS THAN 6" O.C. ON EITHER SIDE, OR THICKER AND NAILS ON EACH SIDE SHALL BE STAGGERED.
 5. DISTANCE FROM PANEL EDGE TO NAILING SHALL BE NOT LESS THAN 3/8".
 6. SHEATHING SHALL BE APPLIED WITH EDGES 1/8" APART AT SIDE JOINTS AND 1/16" APART AT END JOINTS.
 7. NAILS REFERRED TO SHALL BE COMMON OR GALVANIZED BOX NAILS.
 8. THE "HD" MARK REFERS TO "SIMPSON" HOLD-DOWN ANCHORS.
 9. INSTALL STRAPS AND ANCHORS PER SIMPSON'S RECOMMENDATIONS.
 10. ALL ANCHOR BOLT WASHERS SHALL BE 3X3 PLATE STEEL.



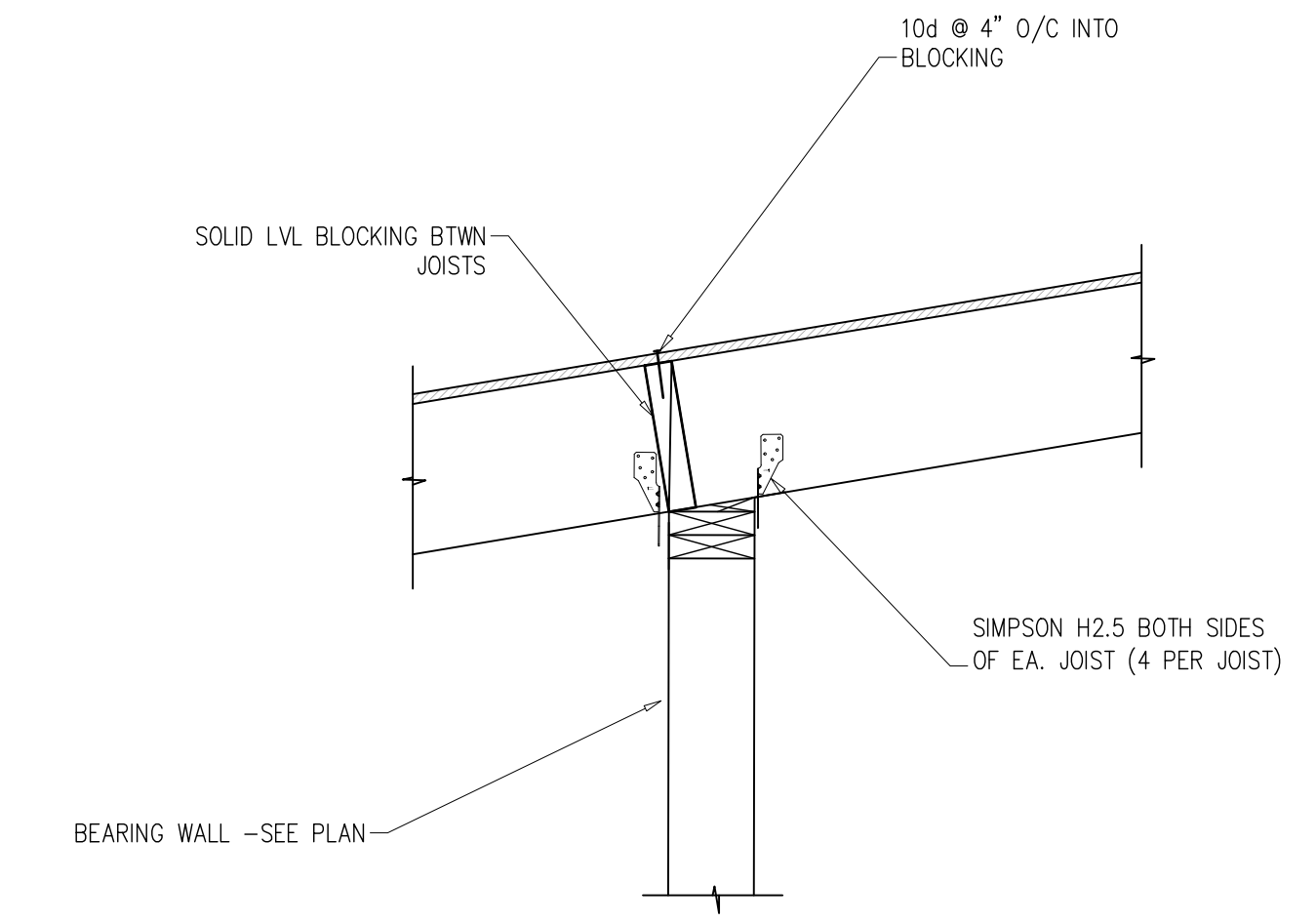
ROOF FRAMING PLAN
SCALE: 1/2"



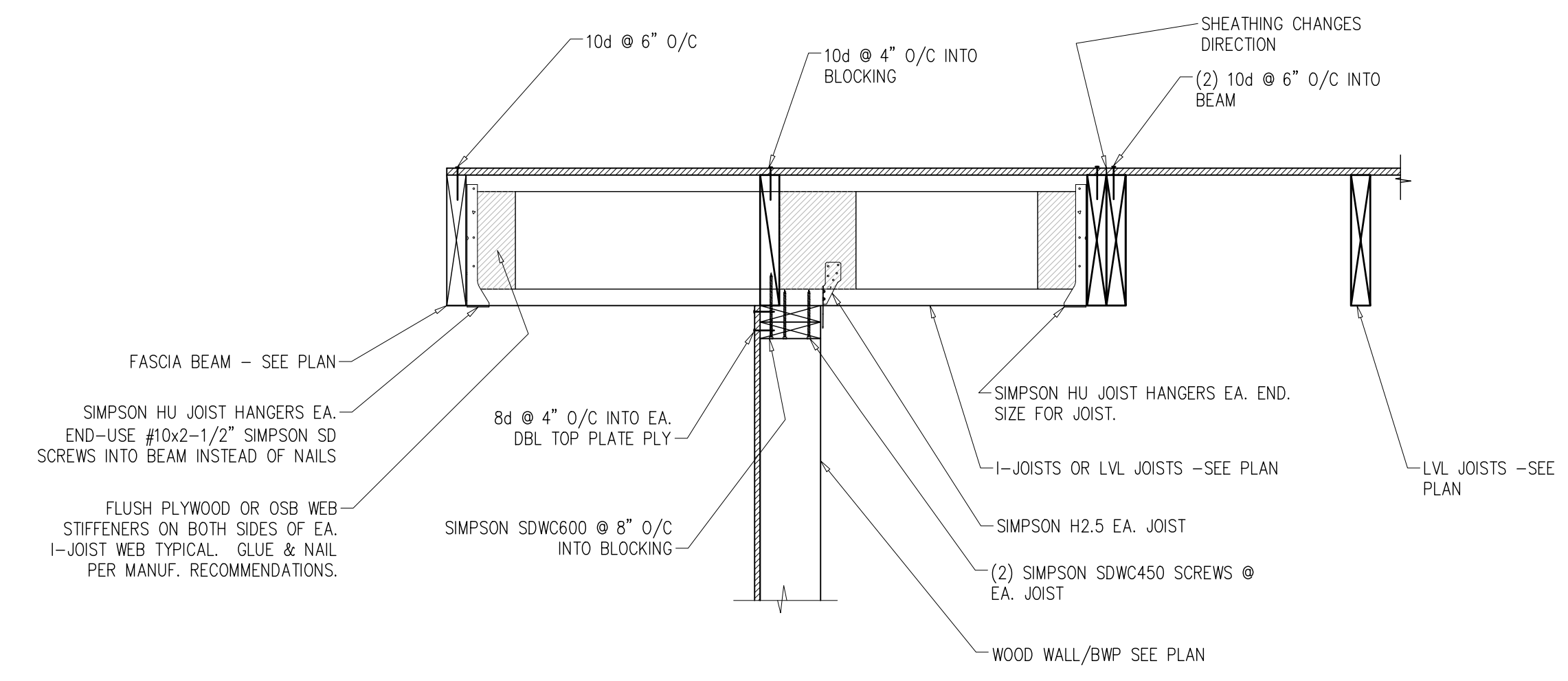
DETAIL 1
SCALE: 1"=1'-0" REF: S301



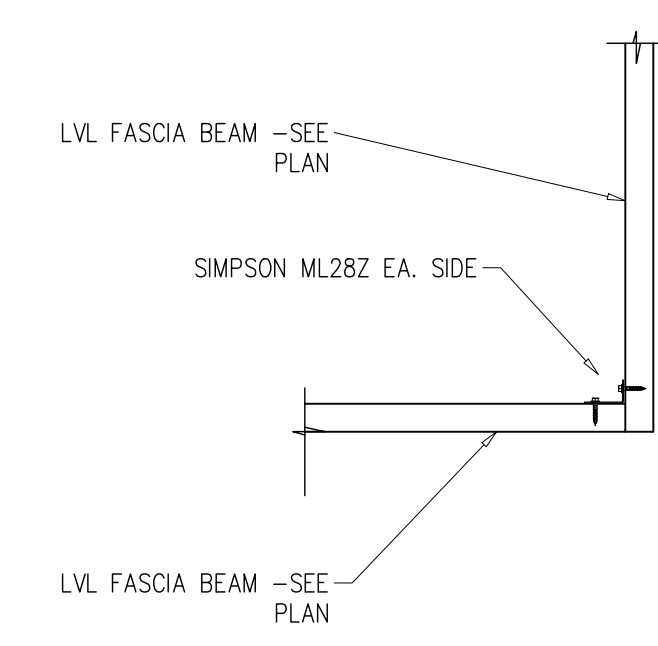
DETAIL 2
SCALE: 1"=1'-0" REF: S301



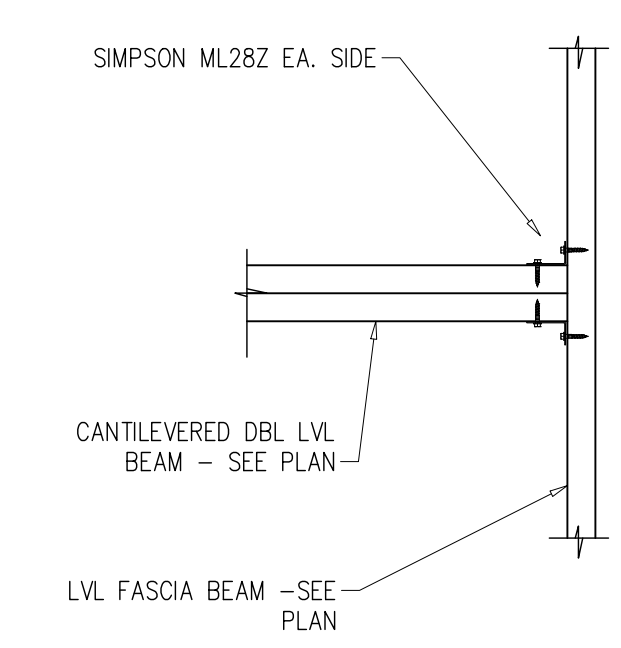
DETAIL 3
SCALE: 1"=1'-0" REF: S301



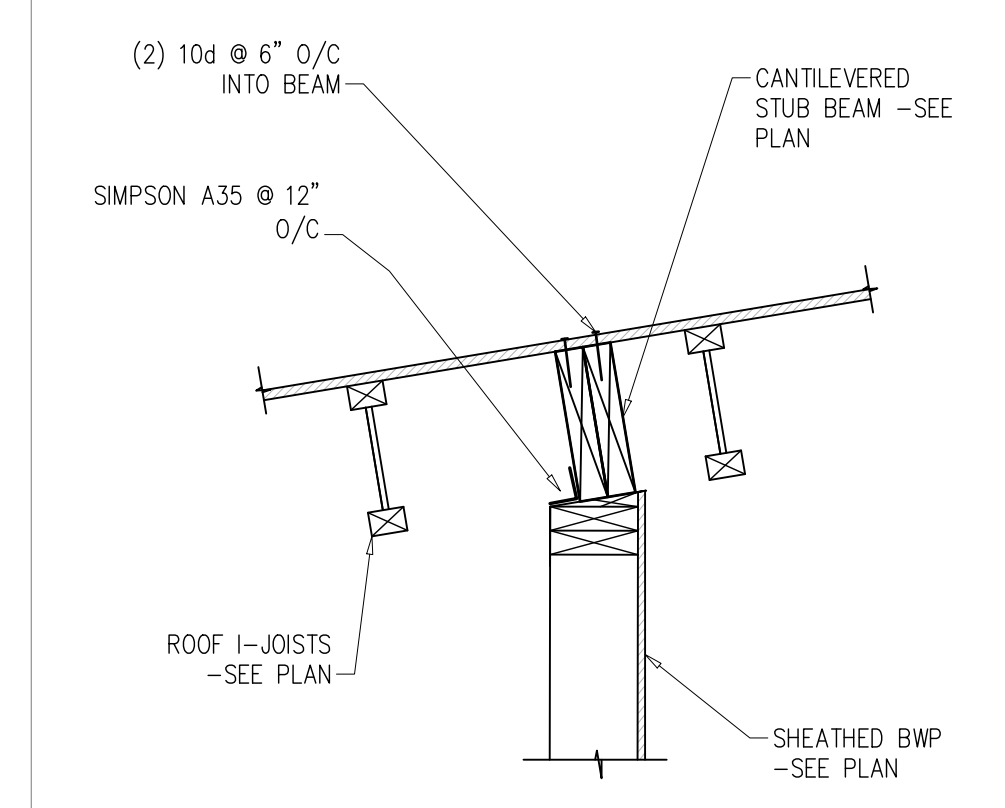
DETAIL 4
SCALE: 1"=1'-0" REF: S301



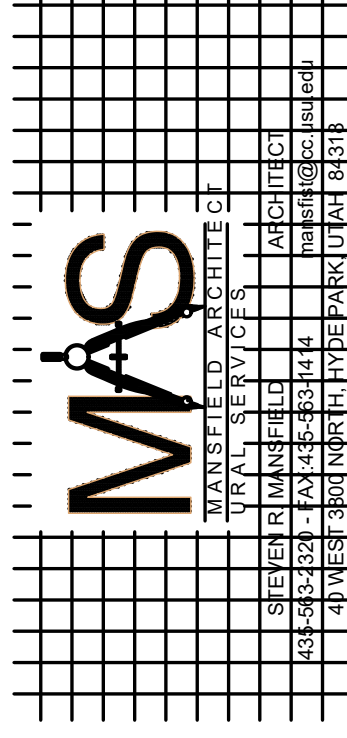
DETAIL 5
SCALE: 1"=1'-0" REF: S301



DETAIL 6
SCALE: 1"=1'-0" REF: S301



DETAIL 7
SCALE: 1"=1'-0" REF: S301



LOGAN HIGH SCHOOL - SOFTBALL PRESS BOX

OWNERS NAME LOGAN CITY SCHOOL DISTRICT
PROJECT ADDRESS 162 WEST 100 SOUTH, LOGAN, 84321

MARK:	DATE:	DESCRIPTION:

PROJECT #: 2025-002
DESIGNED BY: JCM
DRAWN BY: JCM
CHECKED BY: SM
ISSUED: Jan. 14th, 2025



1-14-25
ROOF FRAMING DETAILS

S302