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SECTION 054000 - COLD-FORMED METAL FRAMING

PART 1 - GENERAL

1.01 **RELATED DOCUMENTS:** Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this section.

1.02 **REFERENCE STANDARDS**

A. The following documents of the issue in effect date of material procurement, referred to thereafter by basic designation only form a part of this specification to the extent indicated by reference thereto.

1. American Iron and Steel Institute: Specifications for the Design of Cold-Formed Steel Structural Members.
2. American Society of Testing materials: ASTM A-446 "Specification for Steel Sheet, Zinc Coated (Galvanized) by the Hot-Dip Process, Physical (Structural) Quality." Grade C, Galvanizing: G-60 coating class.
3. American Welding Society: AWS D1.0 "Code for Welding in Building Construction" and ANSIZ49.1 "Safety in Welding and Cutting".

1.03 **DESCRIPTION:** Furnish, fabricate, deliver and erect all cold formed metal framing as shown on the drawings, or herein specified.

- A. **Wind design** shall be per ASCE 7-16. See drawings for wind design criteria.
- B. All bridging and bracing, including erection bracing, required for the finished product shall be designed and furnished. Bracing required for horizontal wind loads shall be designed for loads indicated on the plans and specifications, and as required by applicable codes
- D. All framing connections shall be designed and furnished. Connections shall be designed for all loading conditions; including uplift and reactions from horizontal wind load transfer.

1.04 **SUMMARY**

- A. **Types** of cold-formed metal framing units include SJ-shaped load-bearing steel studs.
- B. **Related Work Specified Elsewhere:** Interior steel studs for gypsum drywall construction are specified in Section 09250.

1.05 **SUBMITTALS:**

- A. **General:** Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections.
- B. **Product data** and installation instructions for each item of cold-formed metal framing and accessories.
- C. **Shop Drawings:** Submit shop drawings showing shapes and dimensions of members to be used, including pitch, span, chamber configuration, and spacing for each type of configuration. Show all bearing and anchorage details. Specify and detail all supplemental framing, strapping,

SECTION 054000 - COLD-FORMED METAL FRAMING (continued):

complete bracing, bracing clips, bridging and other required for proper installation and to satisfy all designed requirements. Shop drawings and calculations must be prepared by, and sealed, dated by, an engineer registered in the project state. Shop drawings bearing the seal, signature and date of the engineer registered in the project state responsible for their preparation shall be submitted for approval.

1.06 QUALITY ASSURANCE:

- A. **Component Design:** Calculate structural properties of studs and joists in accordance with American Iron and Steel Institute (AISI) "Specification for Design of Cold-Formed Steel Structural Members." Calculations shall be signed and sealed by a Specialty Engineer, registered in the project state.
- B. **Welding:** Use qualified welders and comply with American Welding Society (AWS) D1.3, "Structural Welding Code - Sheet Steel."
- C. **Fire-Rated Assemblies:** Where framing units are components of assemblies indicated for a fire-resistance rating, including those required for compliance with governing regulations, provide units that have been approved by governing authorities that have jurisdiction.

PART 2 - PRODUCTS

2.01 MANUFACTURERS: Subject to compliance with requirements, provide products of one of the following:

Alabama Metal Industries Corp.	Superior Steel Studs, Inc.
Dale Industries, Inc.	USG Industries
Dietrich Industries, Inc.	United States Steel
Marino \ Ware.	Unimast Incorp.
Wheeling Corrugating Co.	

2.02 DELIVERY AND STORAGE: Protect metal framing units from rusting and damage. Deliver to project site in manufacturer's unopened containers or bundles, fully identified with name, brand, type and grade. Store off ground in a dry ventilated space or protect with suitable waterproof coverings.

2.03 METAL FRAMING

- A. **System Components:** Manufacturers' standard load-bearing steel studs of type, size, shape, and gage as indicated. With each type of metal framing required, provide manufacturer's standard, steel runners (tracks), blocking, lintels, clip angles, shoes, reinforcements, fasteners, and accessories for applications indicated, as needed to provide a complete metal framing system.
- B. **Materials and Finishes:**
 - 1. **Fabricate metal framing** components of commercial quality steel sheet with a minimum yield point of 50,000 psi; ASTM A 446, A 570, or A 611.
 - 2. **Provide galvanized finish** to metal framing components complying with ASTM A 525 for minimum G 60 coating.
 - 3. **Studs:** Manufacturer's standard load-bearing steel studs of size, shape, and gage indicated on drawings. Unless indicated otherwise on the drawings, stud flange width shall be 1.625" with flange return lip.

2.04 FABRICATION

SECTION 054000 - COLD-FORMED METAL FRAMING (continued):

- A. General: Framing components may be prefabricated into assemblies before erection. Fabricate panels or members plumb, square, true to line, and braced against racking with joints welded. Perform lifting of prefabricated units to prevent damage or distortion.
- B. Fastenings: Attach similar components by welding. Attach dissimilar components by welding, bolting, or screw fasteners, as standard with manufacturer.
- C. Wire tying of framing components is not permitted.
- D. All framing components shall be cut neatly to fit against abutting members.
- D. Provide all angles, clips, and other miscellaneous pieces necessary to attach other materials to light gauge framing.
- E. All components shall be set square in line and shall be held firmly in position until properly fastened.
- F. Finished assemblies shall be free from twist, bends, or open joints with all members straight, square, and true to line.
- J. All Cold Formed Steel trusses shall be shop fabricated. Field fabrication will not be allowed.

PART 3 - EXECUTION

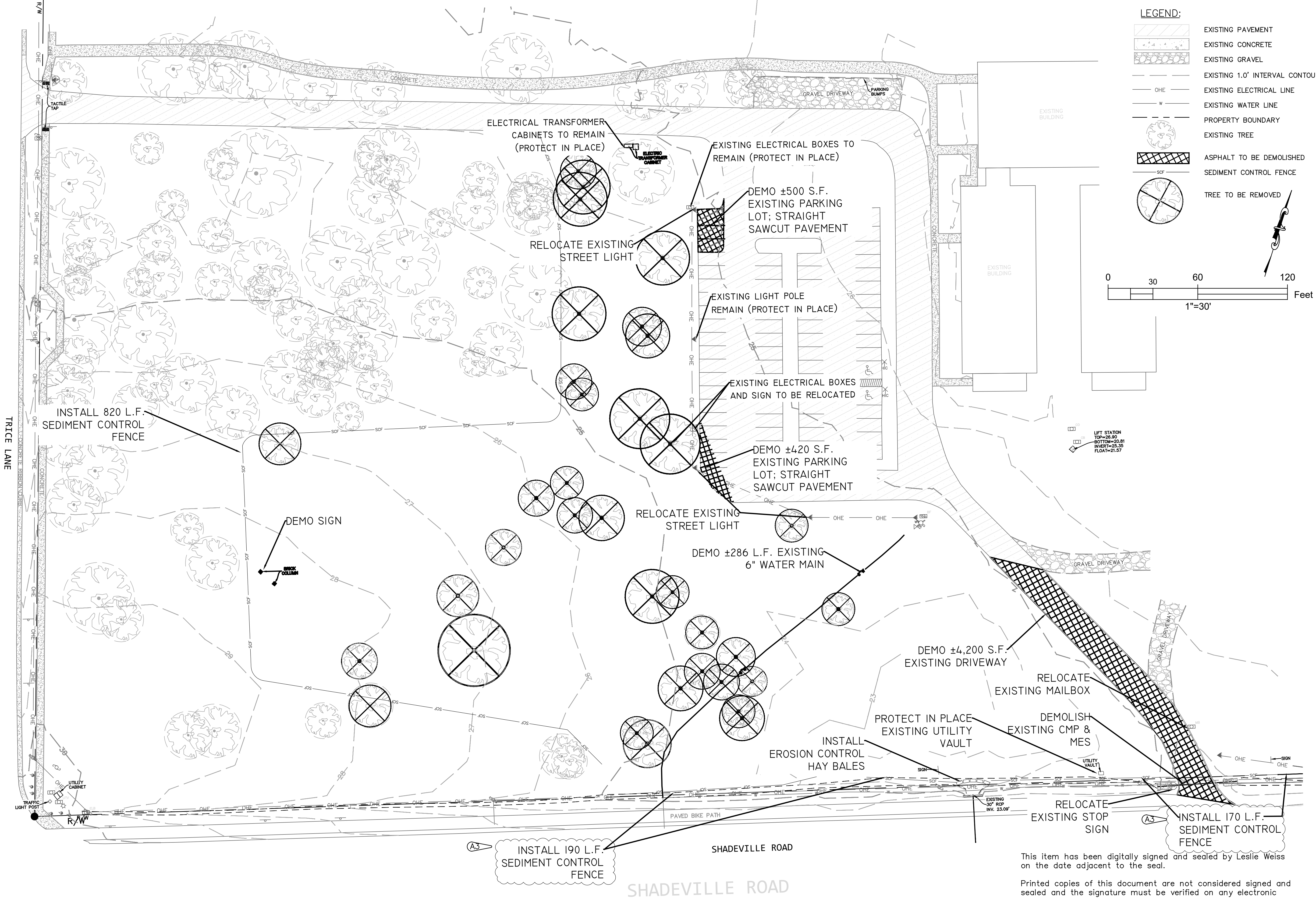
- 3.01 INSTALLATION: General: Install metal framing systems in accordance with manufacturer's printed or written instructions and recommendations.
 - A. The Contractor is responsible for checking dimensions and assuring fit of all members before erection begins.
 - B. All work shall be erected plumb and level and to dimensions, spacing, and elevations indicated on drawings.
 - C. Members shall be of size and spacing shown on the approved shop drawings.
 - D. Provide temporary bracing as required.
 - E. Install permanent bracing and related components to withstand live and dead loads, wind uplift, material wind loads, and to comply with other indicated requirements.
 - F. All cold formed steel framing shall be erected by approved methods using equipment of adequate capacity to safely perform the work.
- 3.02 RUNNER TRACKS: Install continuous tracks sized to match studs. Align tracks accurately to layout at base and tops of studs. Secure tracks as shown on drawings, or if not shown, as recommended by stud manufacturer for type of construction involved. Do not exceed 24 inches o.c. spacing for nail or power-driven fasteners or 16 inches o.c. for other types of attachment. Provide fasteners at corners and ends of tracks.
- 3.03 SET STUDS PLUMB, except as needed for diagonal bracing or required for non-plumb walls or warped surfaces and similar requirements.
- 3.04 WHERE STUD SYSTEM abuts structural columns or walls, including masonry walls, anchor ends of

SECTION 054000 - COLD-FORMED METAL FRAMING (continued):

stiffeners to supporting structure.

- 3.05 INSTALL SUPPLEMENTARY FRAMING, blocking, and bracing in metal framing system wherever walls or partitions are indicated to support fixtures, equipment, services, casework, heavy trim and furnishings, and similar work requiring attachment to the wall or partition. Where type of supplementary support is not otherwise indicated, comply with stud manufacturer's recommendations and industry standards in each case, considering weight or loading resulting from item supported.
- 3.06 INSTALLATION OF WALL STUDS: Secure studs to top and bottom runner tracks by either welding or screw fastening at both inside and outside flanges.
- 3.07 FRAME WALL OPENINGS larger than 2 feet square with double stud at each jamb of frame except where more than two are either shown or indicated in manufacturer's instructions or on drawings. Install runner tracks and jack studs above and below wall openings. Anchor tracks to jamb studs with stud shoes or by welding, and space jack studs same as full-height studs of wall. Secure stud system wall opening frame in manner indicated.
- A. Frame both sides of expansion and control joints, as shown for wall system, with a separate stud and do not bridge the joint with components of stud system.
- B. Install horizontal stiffeners in study system, spaced (vertical distance) at not more than 4'-0" o.c. Weld at each inter-section.
- 3.08 INSTALLATION OF JOISTS AND TRUSSES: Install level, straight, and plumb, complete with bracing and reinforcing as indicated on drawings. Provide not less than 1-1/2 inch end bearing.
- A. Reinforce ends with end clips, steel hangers, steel angle clips, steel stud section, or as otherwise recommended by joist manufacturer.
- B. Where required, reinforce joists at interior supports with single short length of joist section located directly over interior support, snap-on shoe, 30 percent side-piece lapped reinforcement, or other method recommended by joist manufacturer.
- C. Secure joists to interior support systems to prevent lateral movement of bottom flange.
- 3.09 Field Painting: Touch-up damaged shop-applied protective coatings. Use compatible primer for prime-coated surfaces; use galvanizing repair system for galvanized surfaces.

END OF SECTION 054000



This item has been digitally signed and sealed by Leslie Weiss on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

LEGEND:

- EXISTING PAVEMENT
- EXISTING CONCRETE
- EXISTING GRAVEL
- EXISTING 1.0' INTERVAL CONTOUR
- OHE
- EXISTING ELECTRICAL LINE
- W
- EXISTING WATER LINE
- PROPERTY BOUNDARY
- EXISTING TREE
- ASPHALT TO BE DEMOLISHED
- SEDIMENT CONTROL FENCE
- TREE TO BE REMOVED

0 30 60 120 Feet

1"=30'

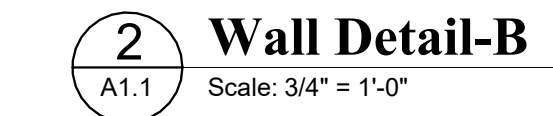
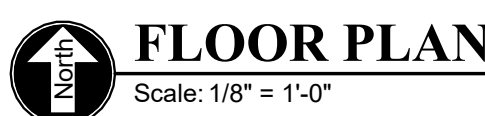
CALL BEFORE YOU DIG! SUNSHINE STATE ONE CALL		BY	REVISION	DATE	NO.	DRAWN BY: DMJ CHECKED BY: LAW DATE: 7/21/2025 FILE:		HYDRA ENGINEERING & CONSTRUCTION, LLC 36 JASPER THOMAS ROAD CRAWFORDVILLE, FL 32327 PHONE (850) 926-2593 FAX (850) 926-9257 WWW.HYDRAEC.COM FLORIDA CA#26124		WAKULLA COUNTY B.O.C.C. CRAWFORDVILLE, FL WAKULLA COUNTY LIBRARY DEMOLITION & EROSION CONTROL PLAN	PROJECT NO. 2024110
811			APPENDUM 3 - ADDITIONAL SCF	8/28/25	A.3						
CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR INSTALL ANYTHING INTO THE GROUND. UNDERGROUND MEMBER UTILITIES											C1



FIRE PROTECTION NOTES	
1.	SEE COVER SHEET FOR BUILDING CONSTRUCTION INFORMATION
2.	ALL FIRE AND/OR SMOKE PARTITIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH STENCILING ABOVE AND DECORATIVE CEILING AND/OR IN CONCEALED SPACES; WITH LETTERS A MINIMUM OF TWO (2) INCHES HIGH ON A CONTRASTING BACKGROUND SPACED A MAXIMUM OF TWELVE (12) FEET ON CENTER WITH A MINIMUM OF ONE PER WALL OR BARRIER. THE HOURLY FIRE RATING SHALL BE INDICATED ON ALL RATED BARRIER OR WALLS. REQUIRED WORDING () HOUR FIRE AND SMOKE PARTITION-PROTECTED ALL OPENINGS.

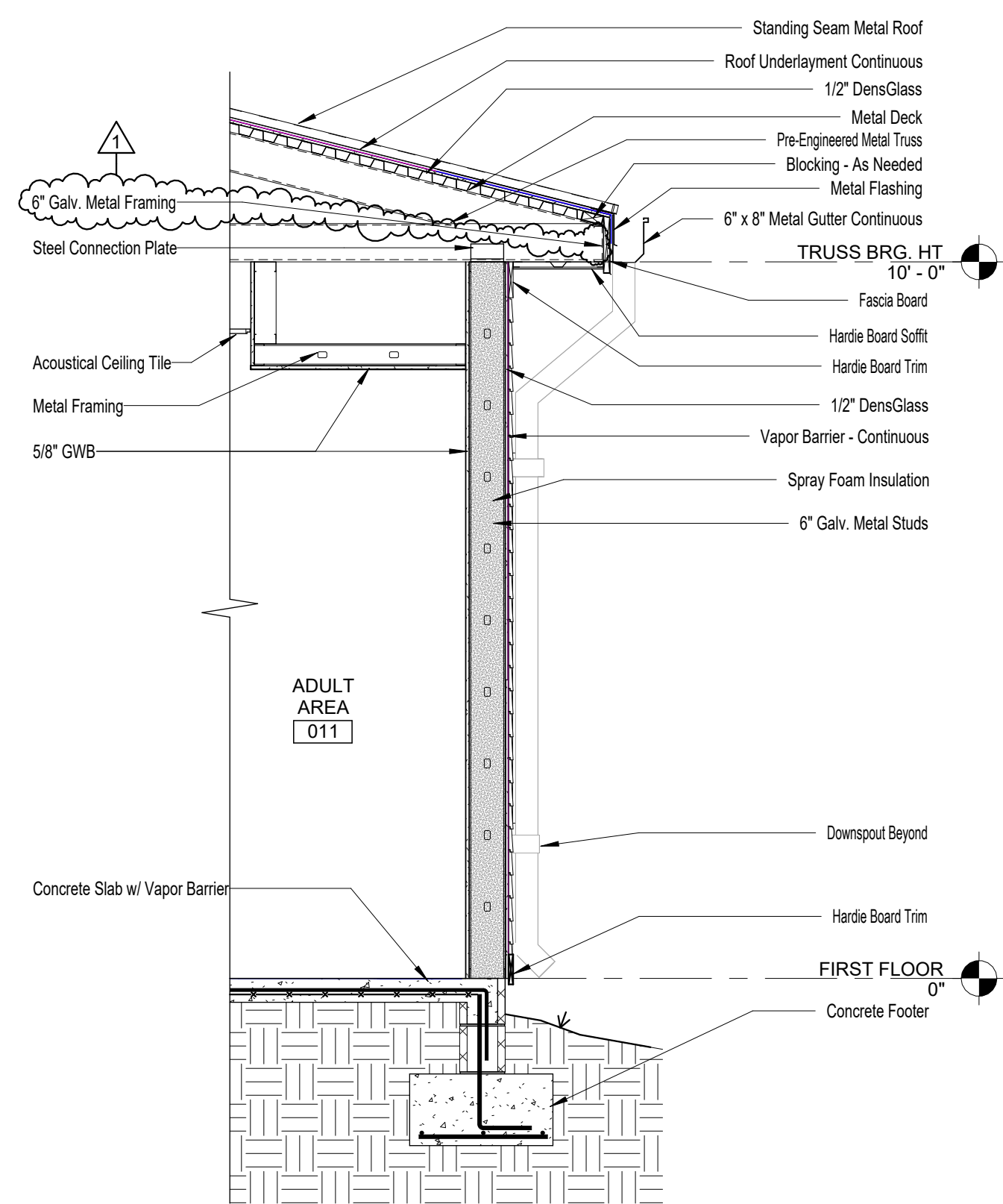
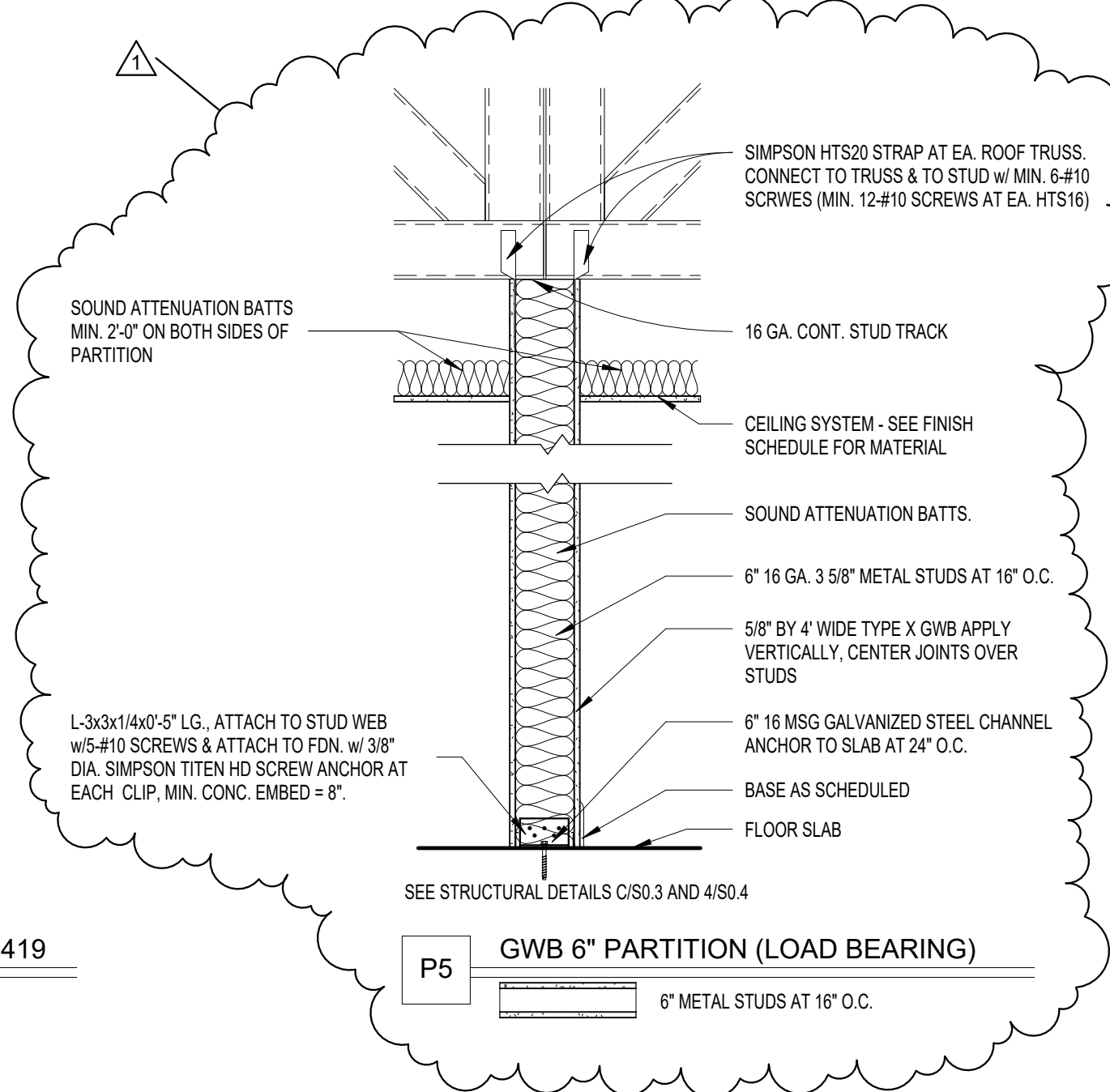
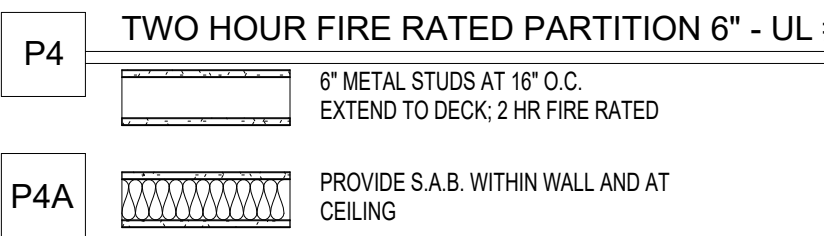
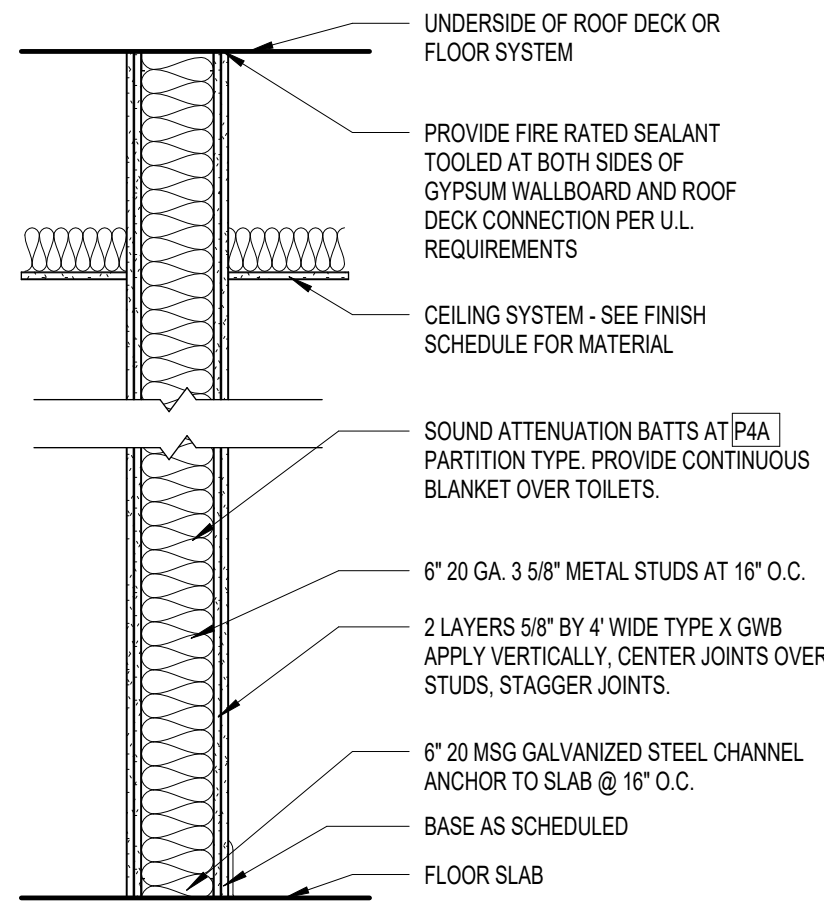
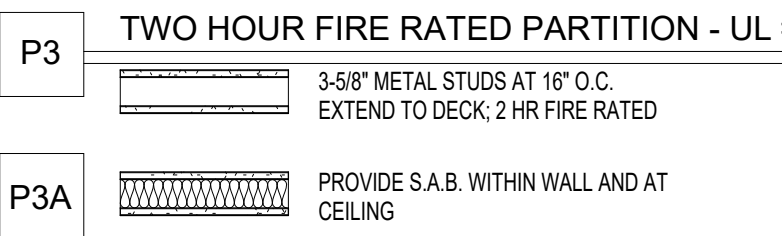
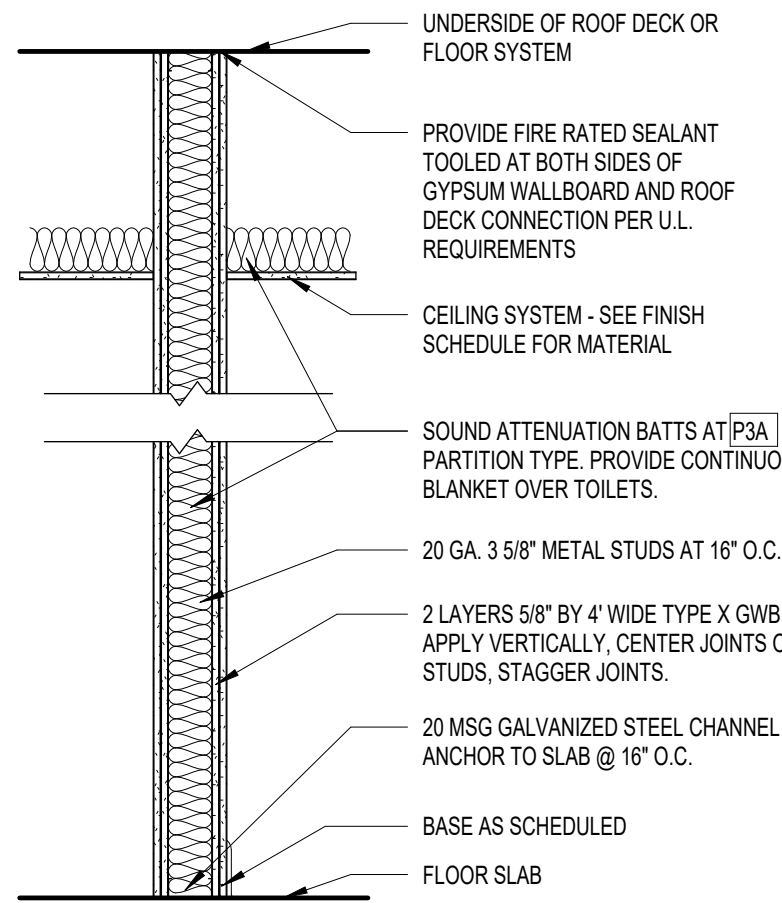
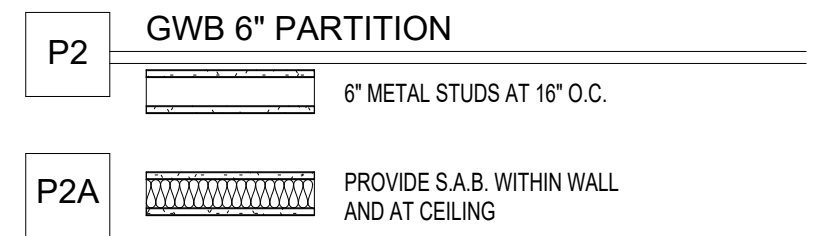
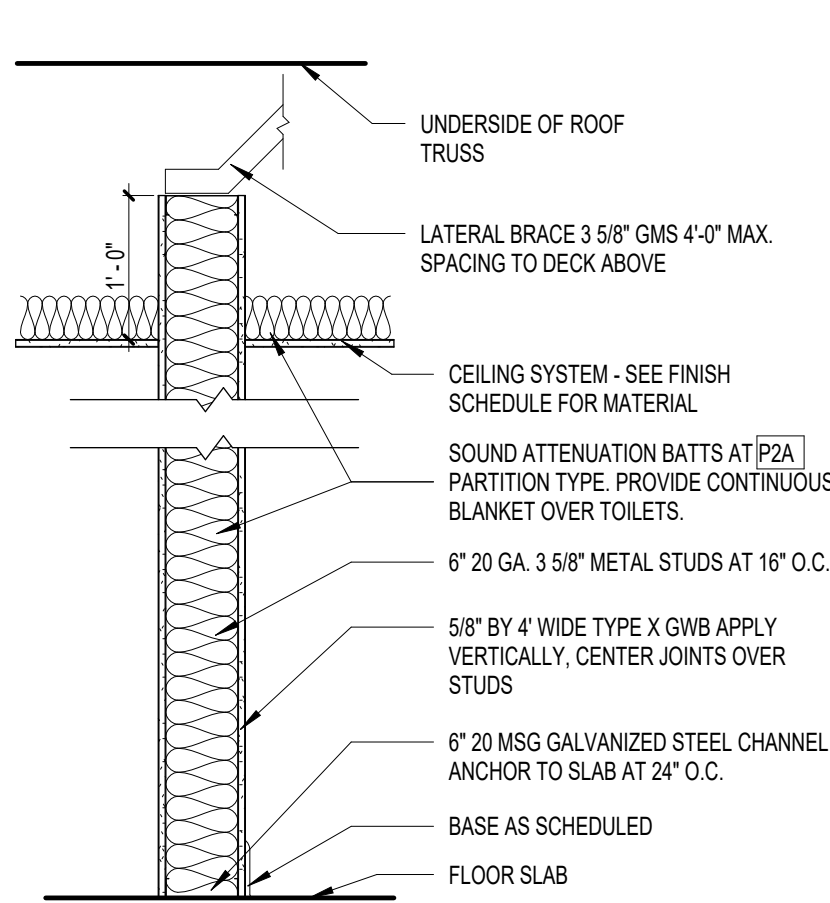
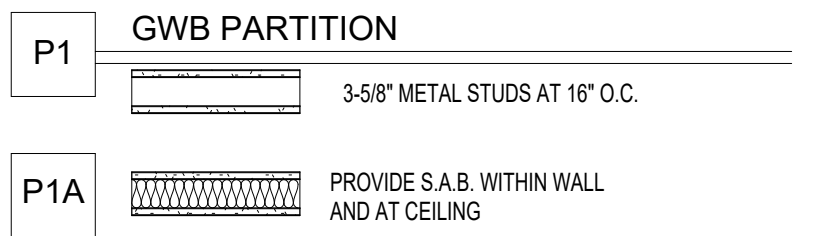
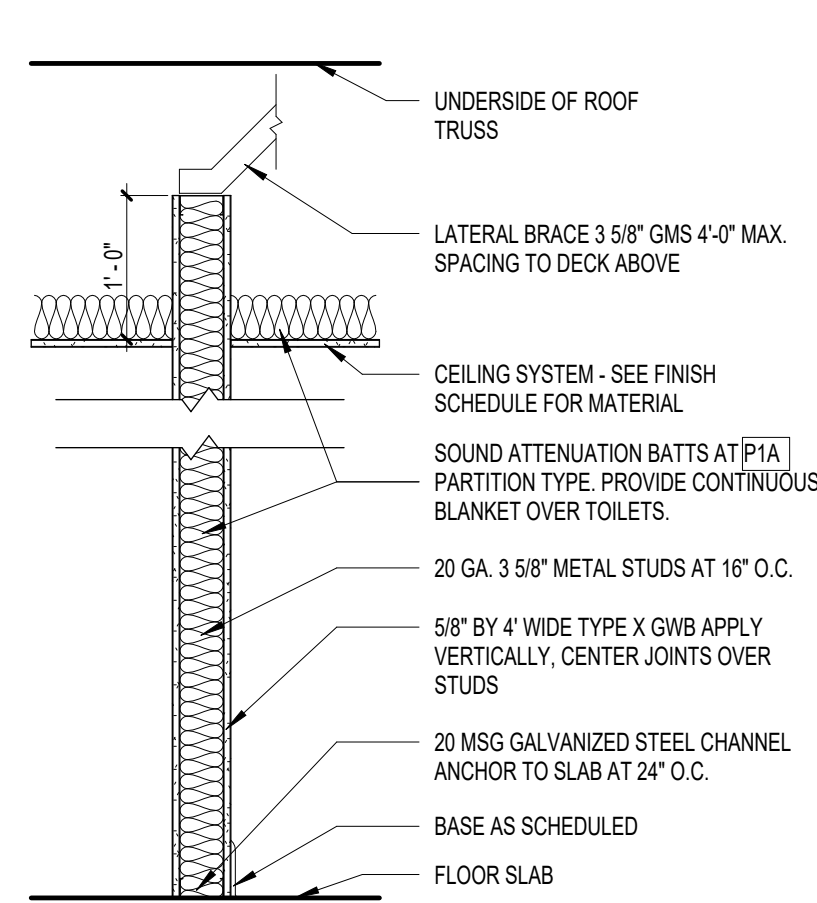
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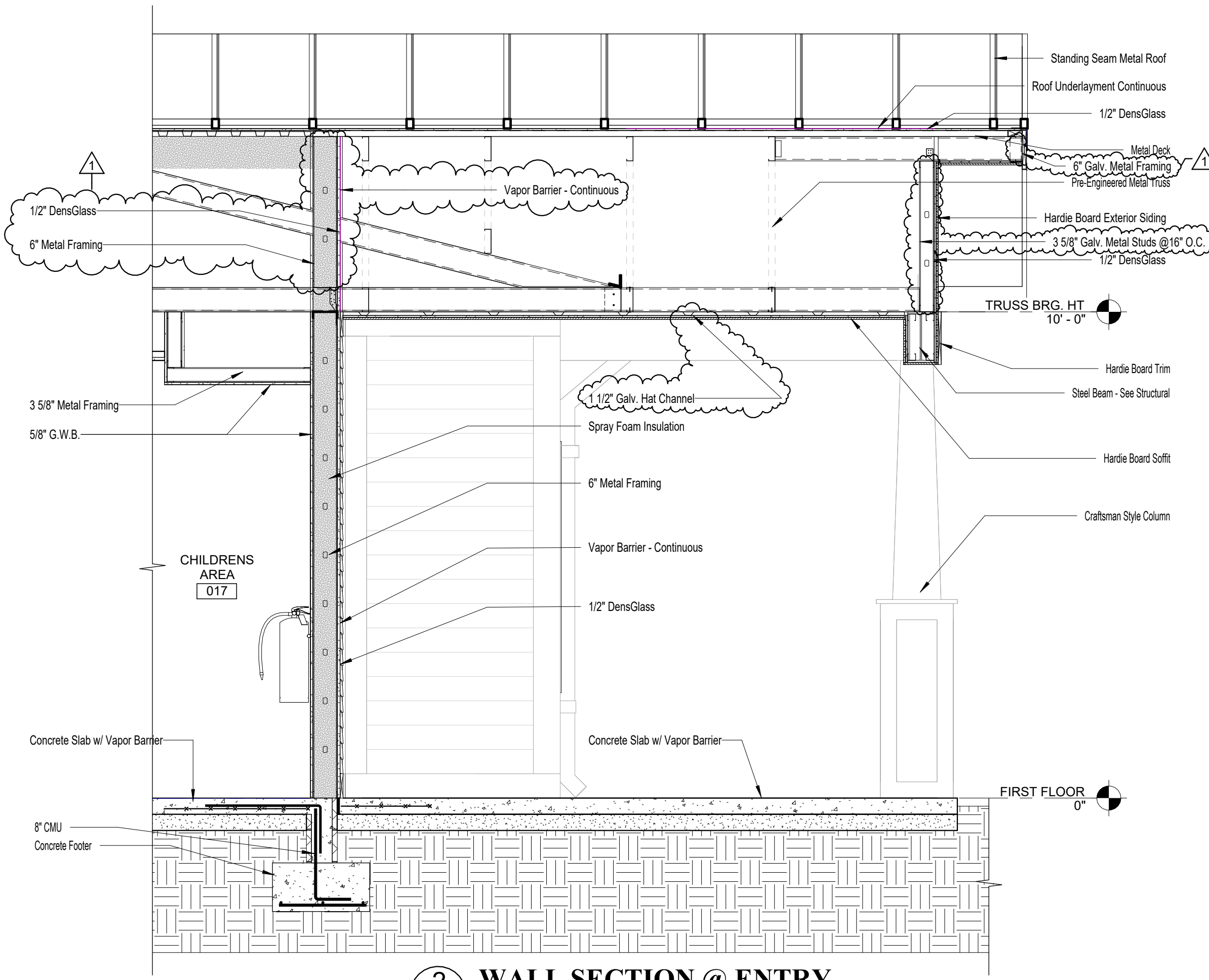


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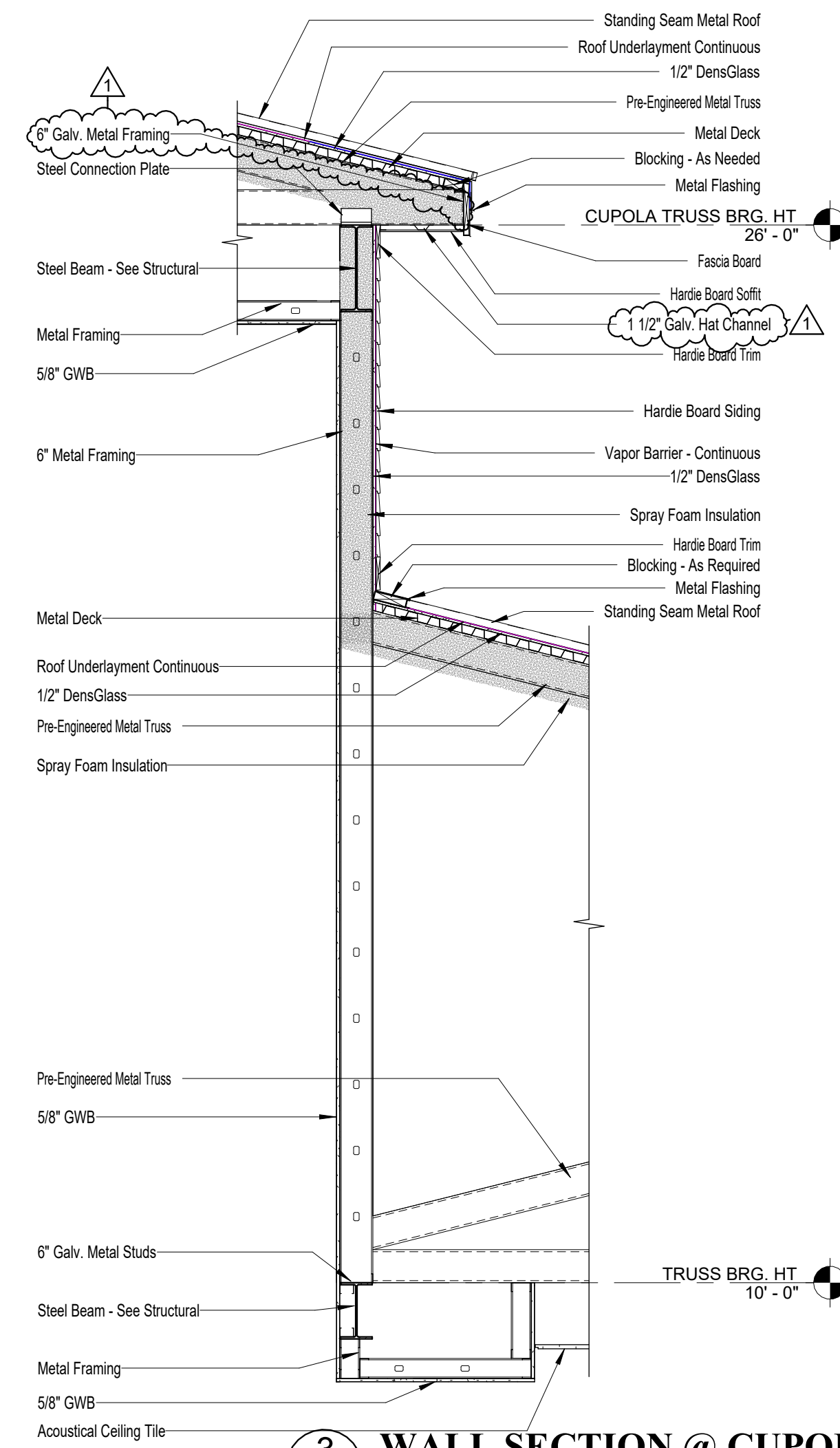
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1 TYPICAL WALL SECTION
A4.1 Scale: 1/2" = 1'-0"



2 WALL SECTION @ ENTRY
A4.1 Scale: 1/2" = 1'-0"



3 WALL SECTION @ CUPOLA
A4.1 Scale: 1/2" = 1'-0"

WAKULLA COUNTY BOCC

**WAKULLA
COUNTY
PUBLIC
LIBRARY**

CRAWFORDVILLE, FL



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Gregory Westmoreland Kelley
AR0016706

Submittal				
Phase	Date	Drw	Chk	BY
100% CONSTRUCTION DOCUMENTS	07/21/25	LKD	BY	
DESIGN DEVELOPMENT	04/29/25	LKD	BY	
SCHEMATIC DESIGN	03/25/25	LKD	BY	
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-	-	-	-	-

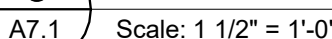
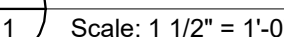
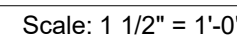
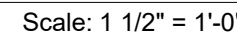
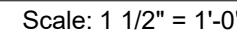
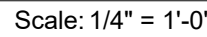
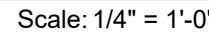
Revision		
#	Description	Date
1	Addendum #3 - RFI Responses	8/28/25

CRA Project # **24071**

Phase: **100% CONSTRUCTION
DOCUMENTS**

SHEET TITLE
**WALL PARTITIONS &
WALL SECTIONS**

A4.1



A7.1

C:\Users\jrb\OneDrive\Documents\24071_100% CONSTRUCTION DOCUMENTS\24071_100% CONSTRUCTION DOCUMENTS\REFLECTED CEILING PLAN.rvt

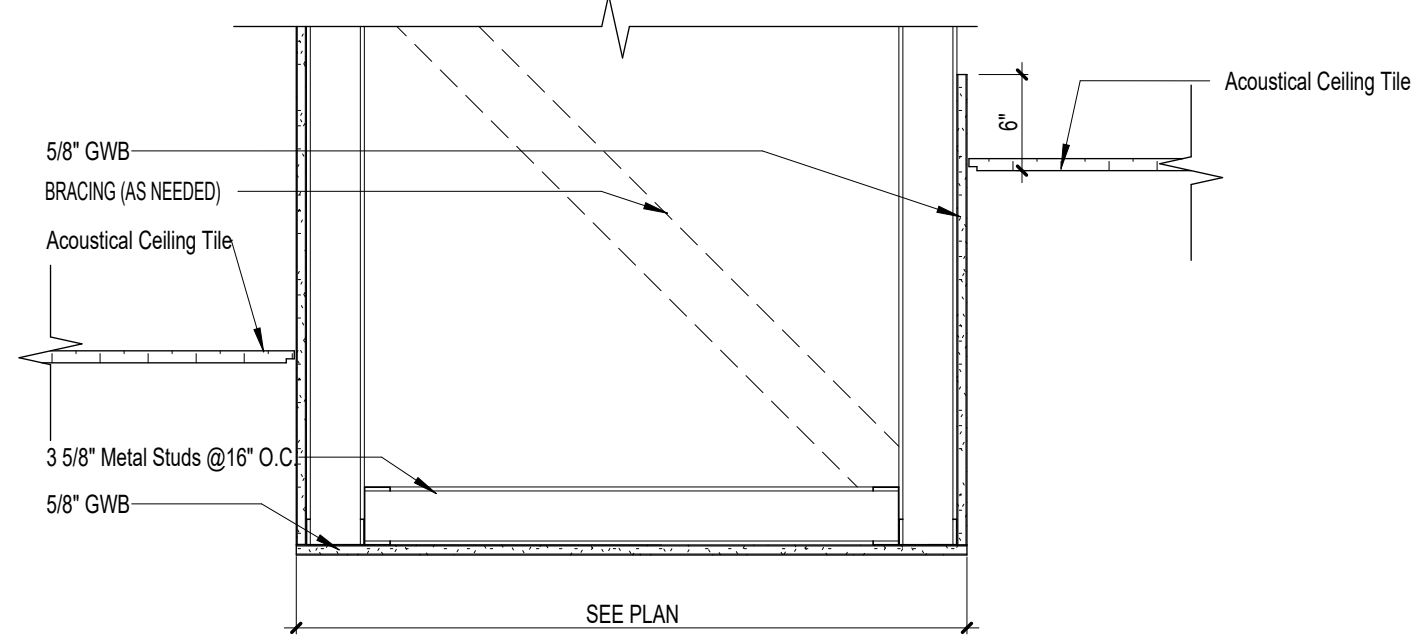


REFLECTED CEILING PLAN
Scale: 1/8" = 1'-0"

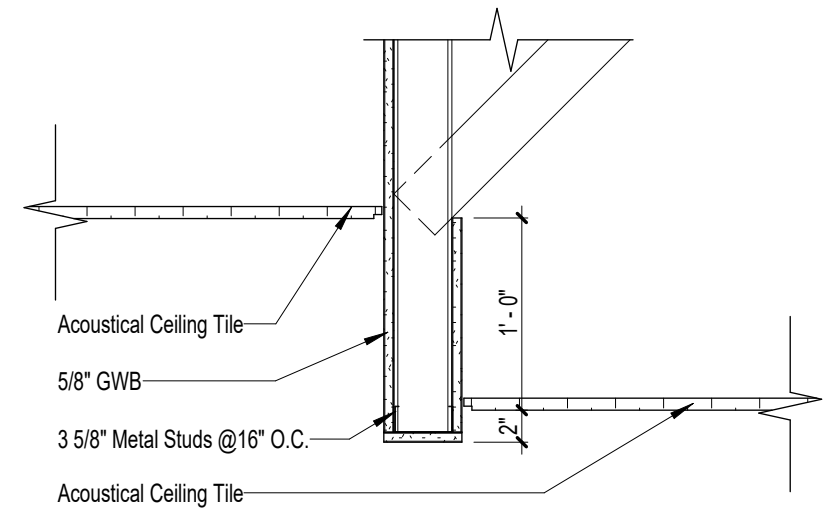
CEILING PLAN LEGEND

- GYPSUM BOARD CEILING
- ACOUSTICAL TILE CEILING
- HARDIE BOARD SOFFIT
- EXP EXPOSED CEILING
- CEILING HEIGHT
- PULLED FROM THE END OF LINE

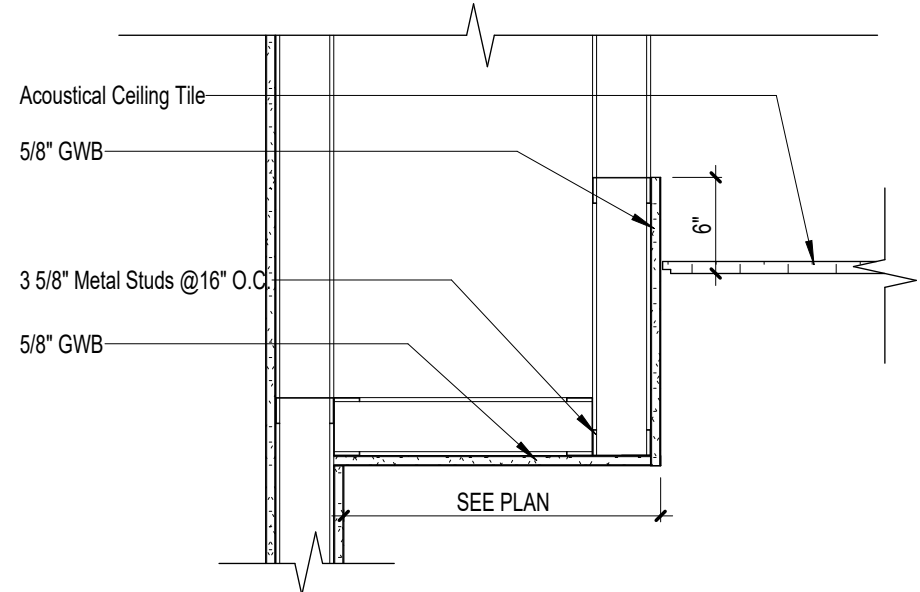
GENERAL NOTE:
CEILING HEIGHT 9'-0" UNLESS
NOTED OTHERWISE



3 RCP DETAIL
Scale: 1" = 1'-0"



4 RCP DETAIL
Scale: 1" = 1'-0"



5 RCP DETAIL
Scale: 1" = 1'-0"

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Submittal

Phase	Date	Drw	Chk
100% CONSTRUCTION DOCUMENTS	07/21/25	LKD	BY
DESIGN DEVELOPMENT	04/29/25	LKD	BY
SCHEMATIC DESIGN	03/25/25	LKD	BY
-	-	-	-
-	-	-	-
-	-	-	-

Revision

#	Description	Date
1	Addendum #3 - RFI Responses	8/28/25
-	-	-
-	-	-
-	-	-
-	-	-

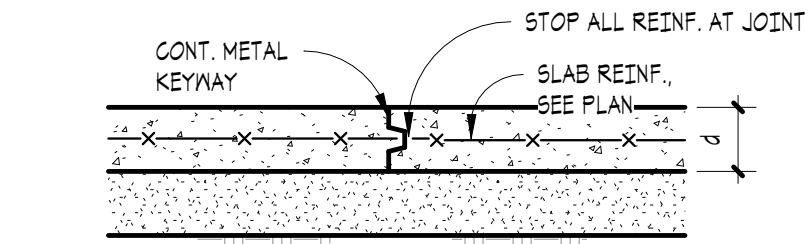
CRA Project # 24071

Phase: 100% CONSTRUCTION
DOCUMENTS

SHEET TITLE
REFLECTED CEILING PLAN

A8.1

8/27/2025 2:15:18 PM

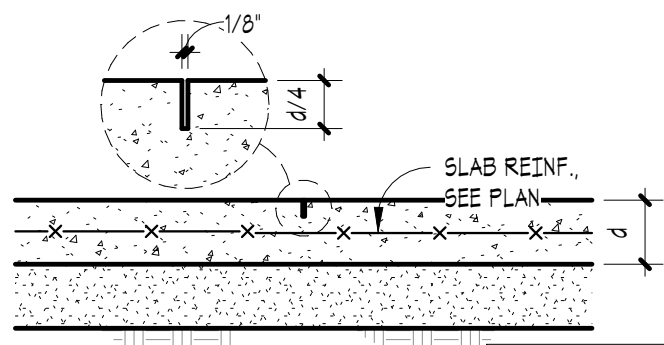


TYP. SLAB CONSTRUCTION JOINT DETAIL (C.J.)

DETAIL
SCALE: 1" = 1'-0"

1
S0.2

CONTRACTOR NOTE:
CONTRACTOR SHALL FIELD LOCATE AND INSTALL SLAB JOINTS. JOINTS SHALL BE INSTALLED IN GENERALLY ORTHOGONAL DIRECTIONS IN THE SPACES. SPACING OF JOINTS SHALL BE SUCH THAT THE AREA BOUNDED BY SLAB JOINTS SHALL NOT EXCEED 144 SQUARE FEET, AND THE DISTANCE BETWEEN TWO PARALLEL JOINTS SHALL NOT EXCEED 12 FEET. JOINTS SHALL BE EITHER SLAB CONSTRUCTION JOINTS OR SAW JOINTS. SEE DETAILS ON THIS SHEET.

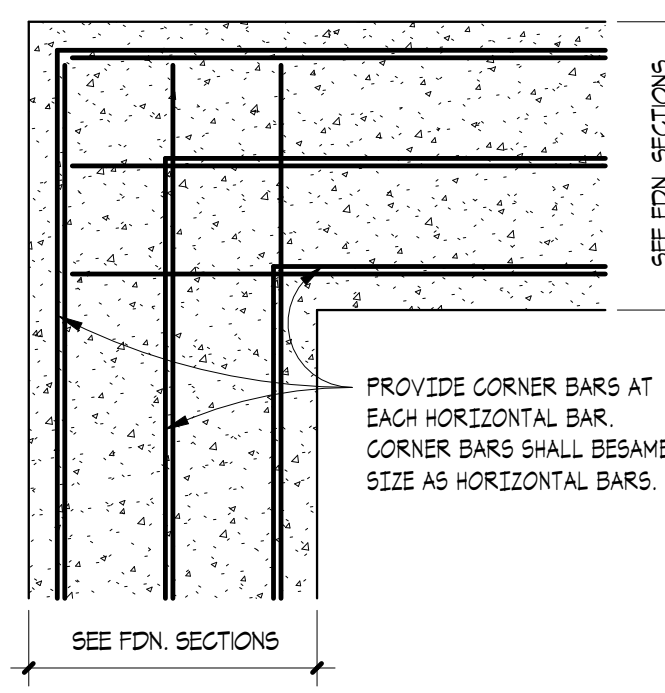
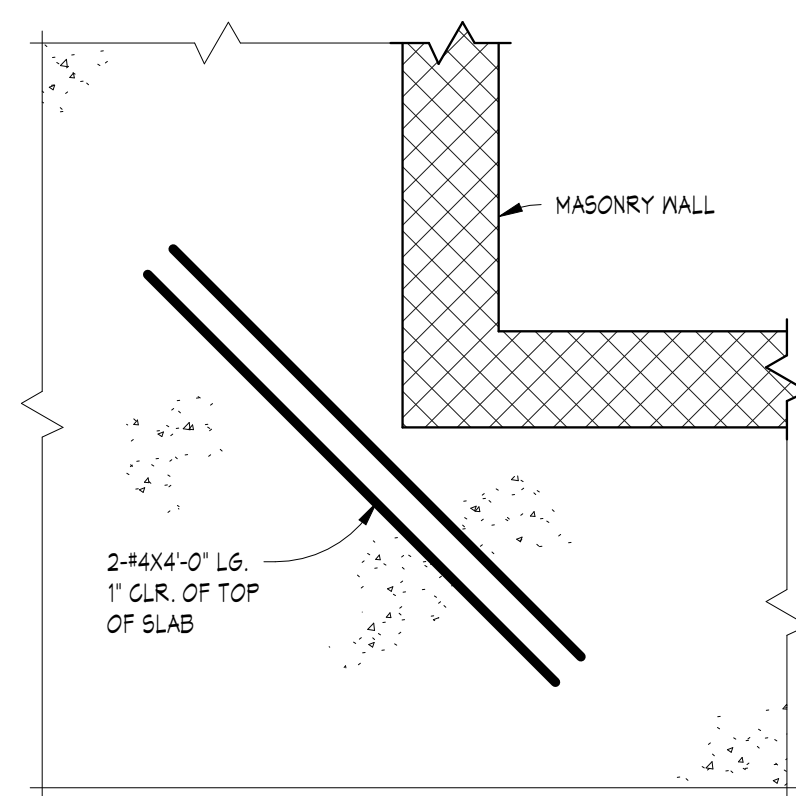


TYP. SLAB SAW JOINT DETAIL (S.J.)

DETAIL
SCALE: 1" = 1'-0"

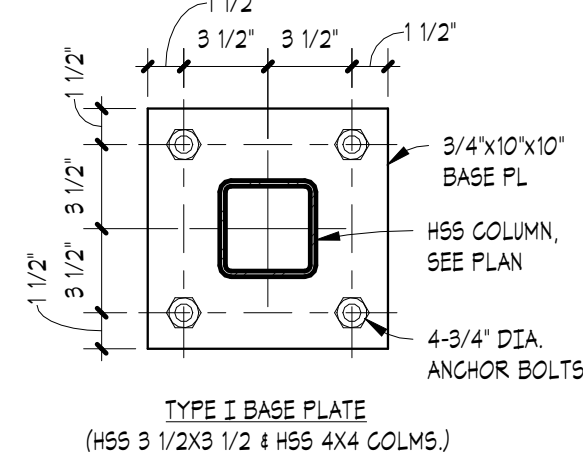
2
S0.2

CONTRACTOR NOTE:
SAW JOINTS MUST BE SAWN WITHIN 1 HOUR OF CONCRETE INITIAL SET.



TYP. FOOTING CORNER REIN. DETAIL

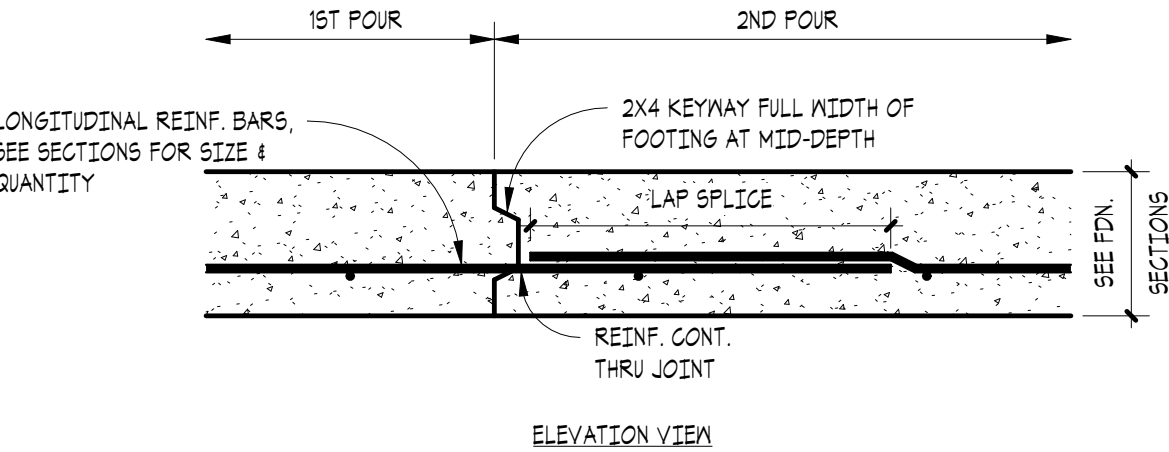
TYP. FOOTING INTERSECTION REIN. DETAIL



COLUMN BASE PLATE DETAILS

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

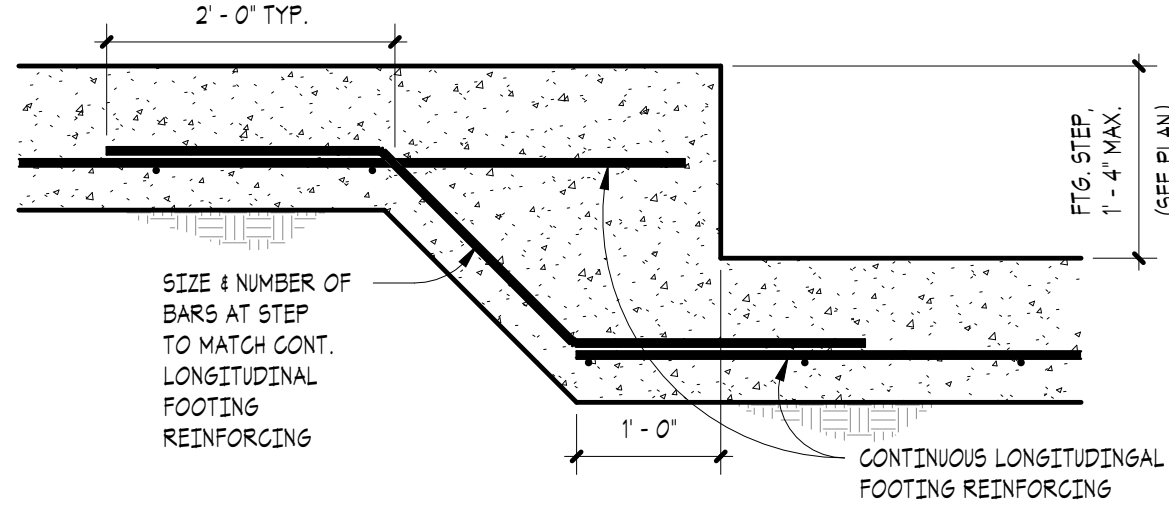
5
S0.2



TYP. FOOTING CONSTRUCTION JOINT DETAIL

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

7
S0.2



TYPICAL FOOTING STEP DETAIL

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

8
S0.2

EXTRA REINFORCING AT RE-ENTRANT CORNERS OF SLABS ON GRADE

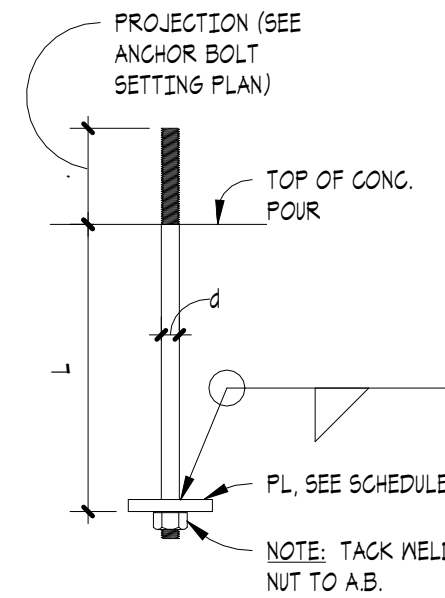
DETAIL
SCALE: 3/4" = 1'-0"

3
S0.2

TYP. FOOTING REINFORCING DETAIL

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

4
S0.2



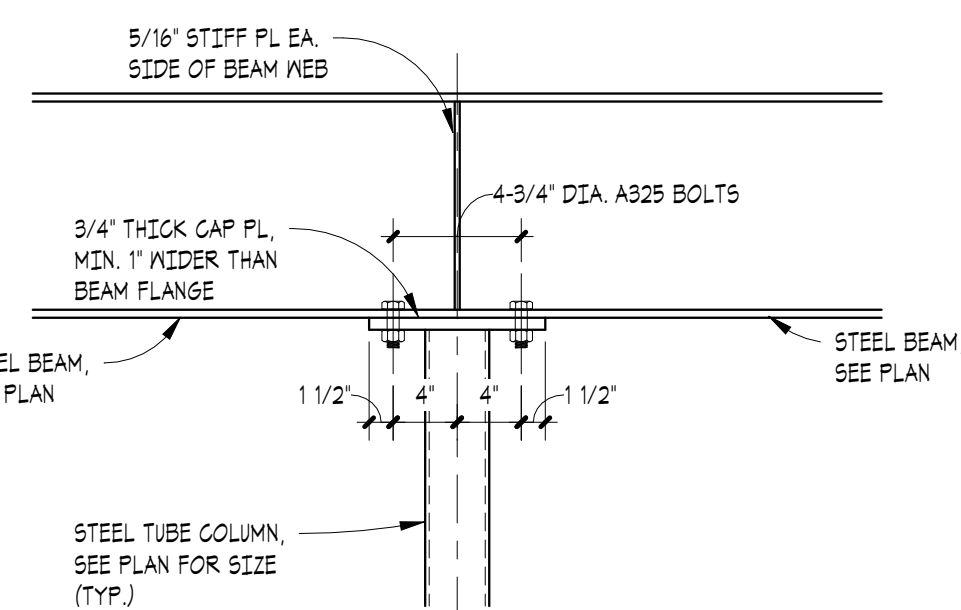
ANCHOR BOLT SCHEDULE		
BOLT DIA. (d)	EMBED LENGTH (L)	PLATE SIZE
3/4"	1'-0"	1/2"x3 1/2"x3 1/2"

NOTE: USE NUT & WASHER ON EACH ANCHOR BOLT

ANCHOR BOLT DETAILS

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

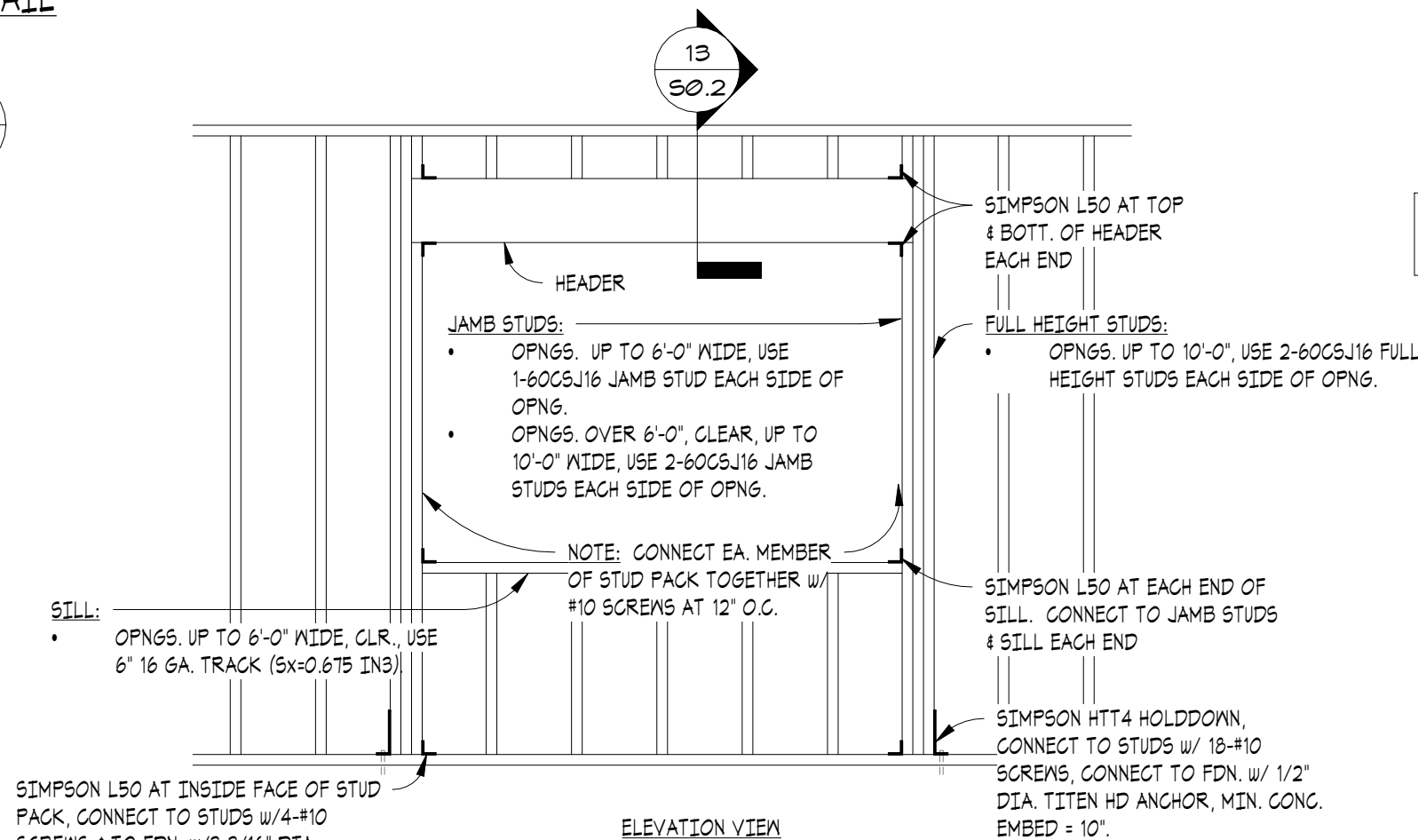
6
S0.2



TYP. STEEL BEAM BEARING ON TOP OF STEEL TUBE COLUMN

DETAIL
SCALE: 1" = 1'-0"

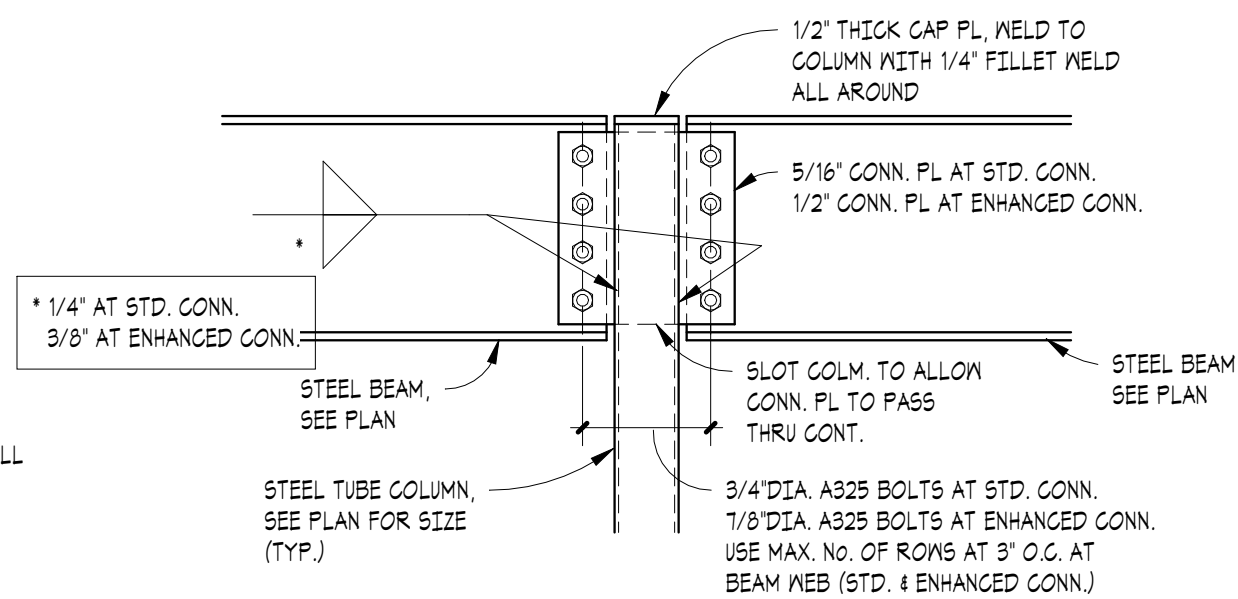
12
S0.2



TYP. OPENING IN STRUCTURAL MTL. STUD WALL (OPENINGS UP TO 10'-0")

DETAIL
SCALE: 3/8" = 1'-0"

10
S0.2



TYP. BEAM CONN. TO STEEL TUBE COLUMN DETAIL

DETAIL
SCALE: 1" = 1'-0"

11
S0.2

SIDLAP FASTENERS:
ROOF ZONE 219:
USE 2-#10 DECK SIDELAP FASTENERS BETWEEN EACH JOIST (OR TRUSS).
ROOF ZONE 1:
USE 2-#10 DECK SIDELAP FASTENERS BETWEEN EACH JOIST (OR TRUSS).

PLAN VIEW

NOTE: AT HIP OR VALLEY MEM. LOCATIONS WELD EA. RIB OF METAL DECK TO THE CONTINUOUS DECK SUPPORT BENT PLATE.

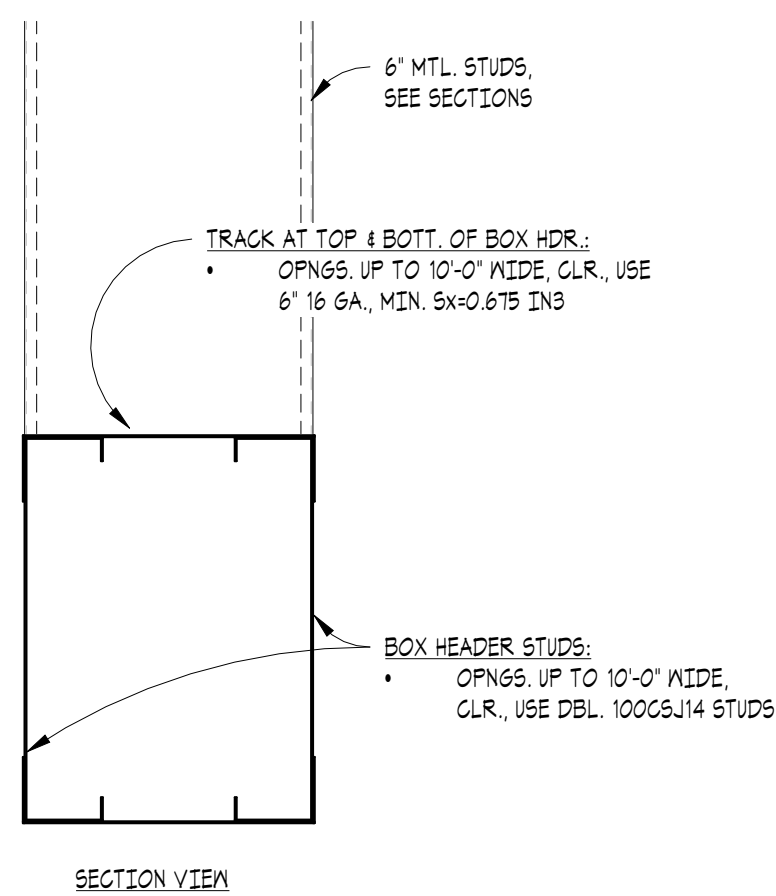
ROOF ZONE	WELD PATTERN	SCREEN PATTERN
1	36/5	36/5
2	36/7	36/7
3	36/7	36/7

NOTES:
1. ROOF DECK ATTACHMENT BASED ON A MINIMUM TRUSS TOP CHORD OF 16-6A, 55 KSI MATERIAL. IF SUBMITTED ROOF TRUSS TOP CHORDS DO NOT MEET THESE MINIMUM REQUIREMENTS, TRUSS SPECIALTY ENGINEER SHALL PROVIDE REVISED ROOF DECK ATTACHMENT DETAILS DESIGNED TO MEET PROJECT DESIGN KIND VALUES.

TYP. ROOF DECK ATTACHMENT DIAGRAM

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

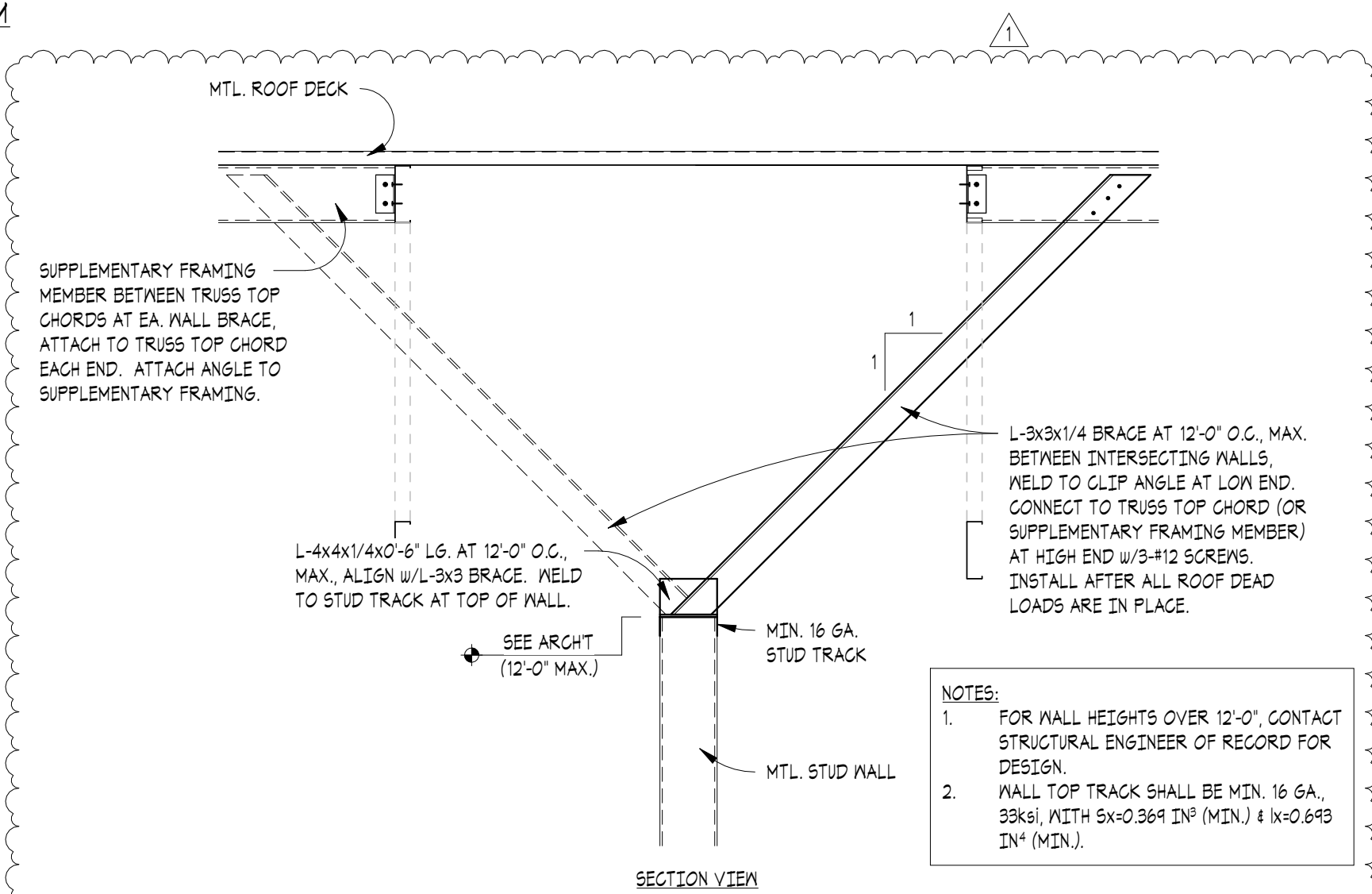
9
S0.2



HEADER DETAIL AT TYP. OPENING IN LOAD BEARING MTL. STUD WALL

DETAIL
SCALE: 3" = 1'-0"

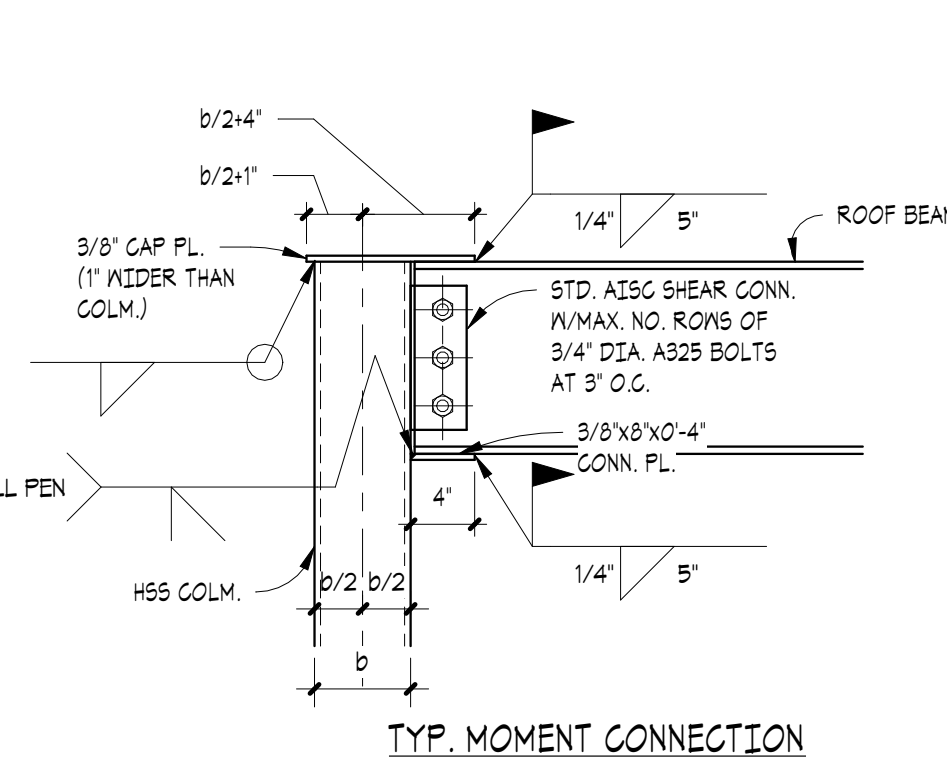
13
S0.2



TYP. NON-LOAD BEARING STUD WALL CONNECTION TO STRUCTURE

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

14
S0.2



TYP. MOMENT CONNECTION

DETAIL
SCALE: 1" = 1'-0"

15
S0.2

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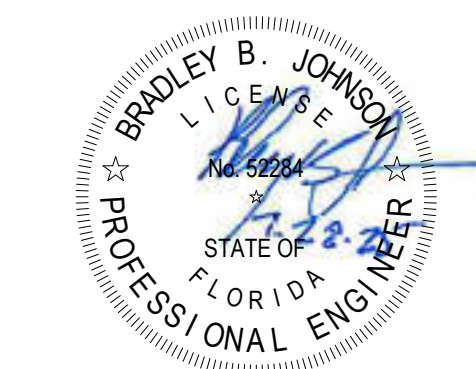
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Bradley B. Johnson, PE
PE000052284



Submittal

Phase	Date	Drw	Chk
100% CONSTRUCTION DOCUMENTS	07/21/25	PDJG	BBJ
DESIGN DEVELOPMENT	04/29/25	PDJG	BBJ

Revision

#	Description	Date
1	Addendum #3	8/28/25

CRA Project # 24071

Phase: 100% CONSTRUCTION DOCUMENTS

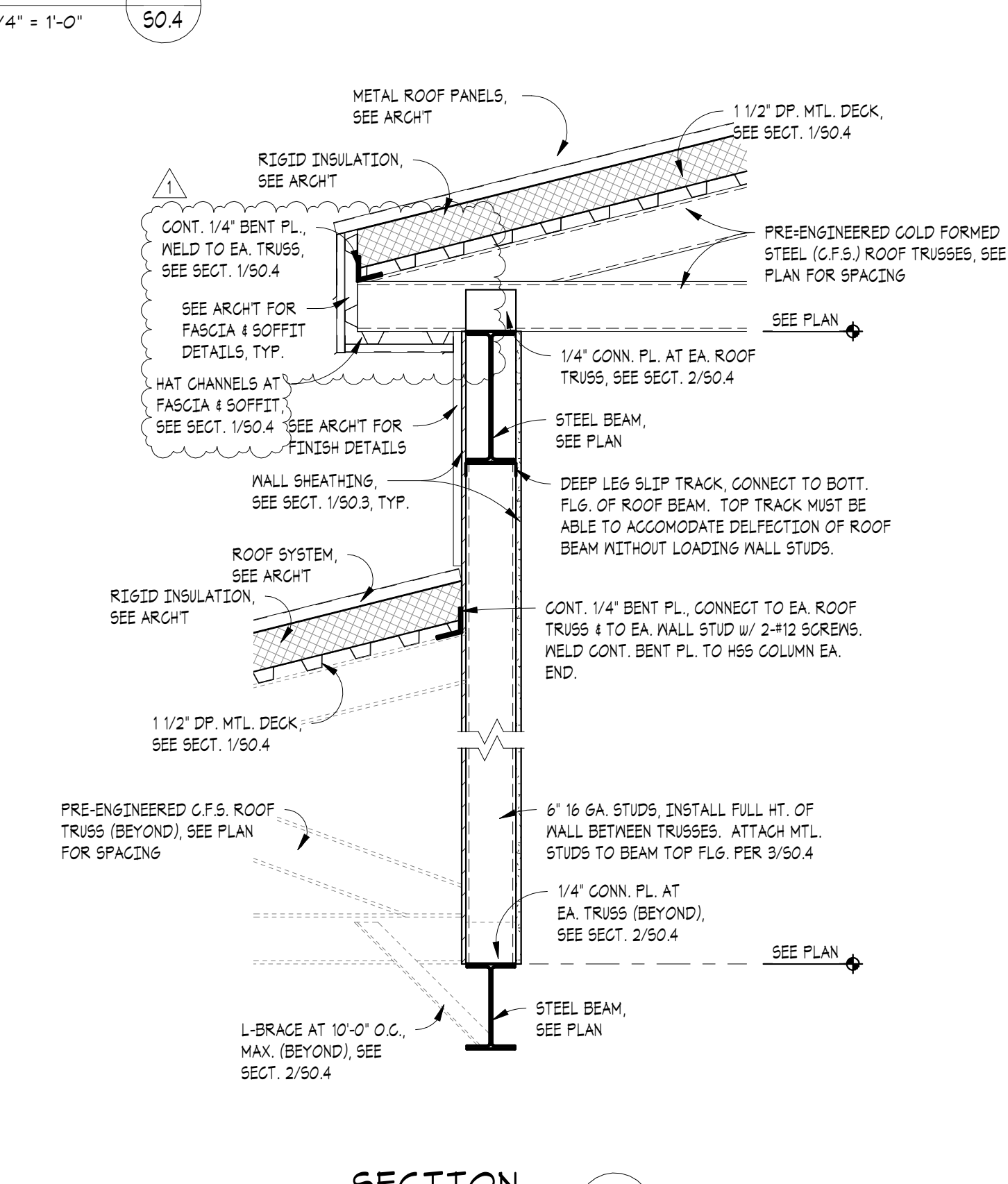
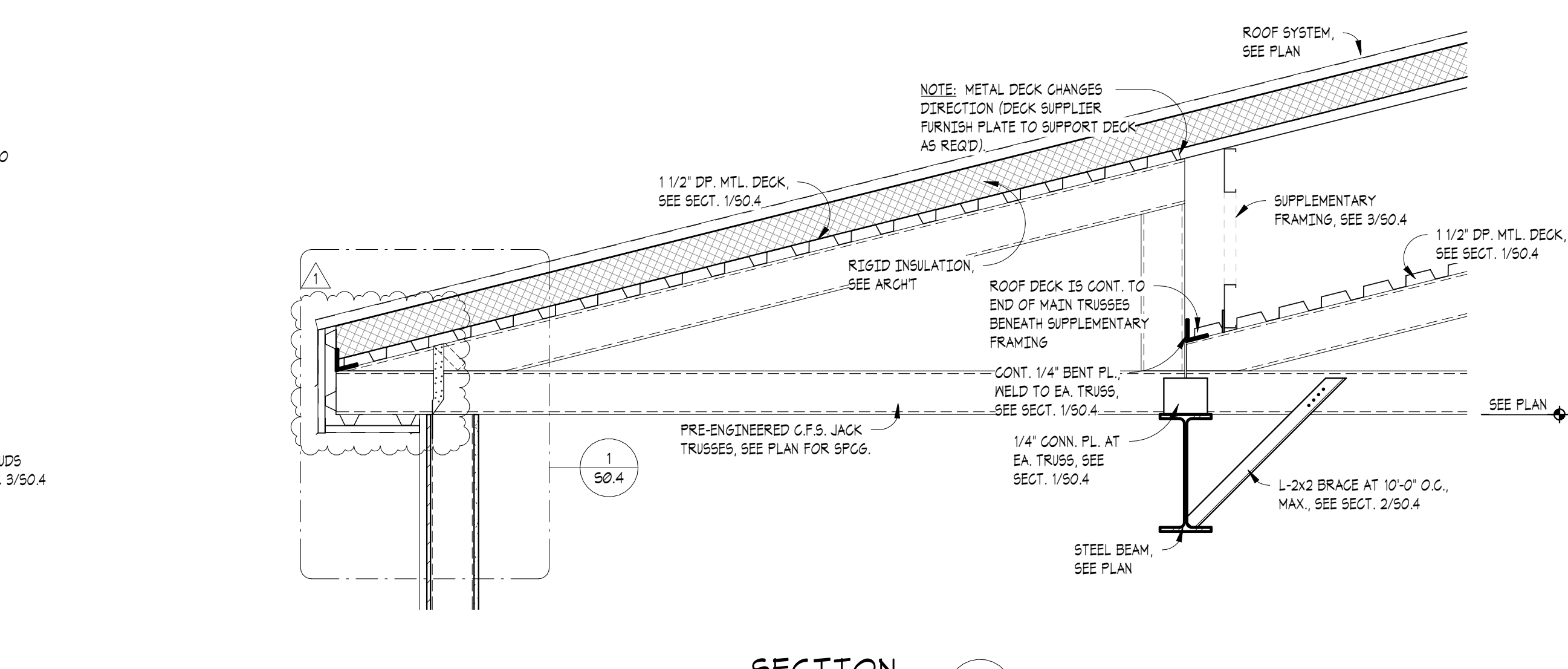
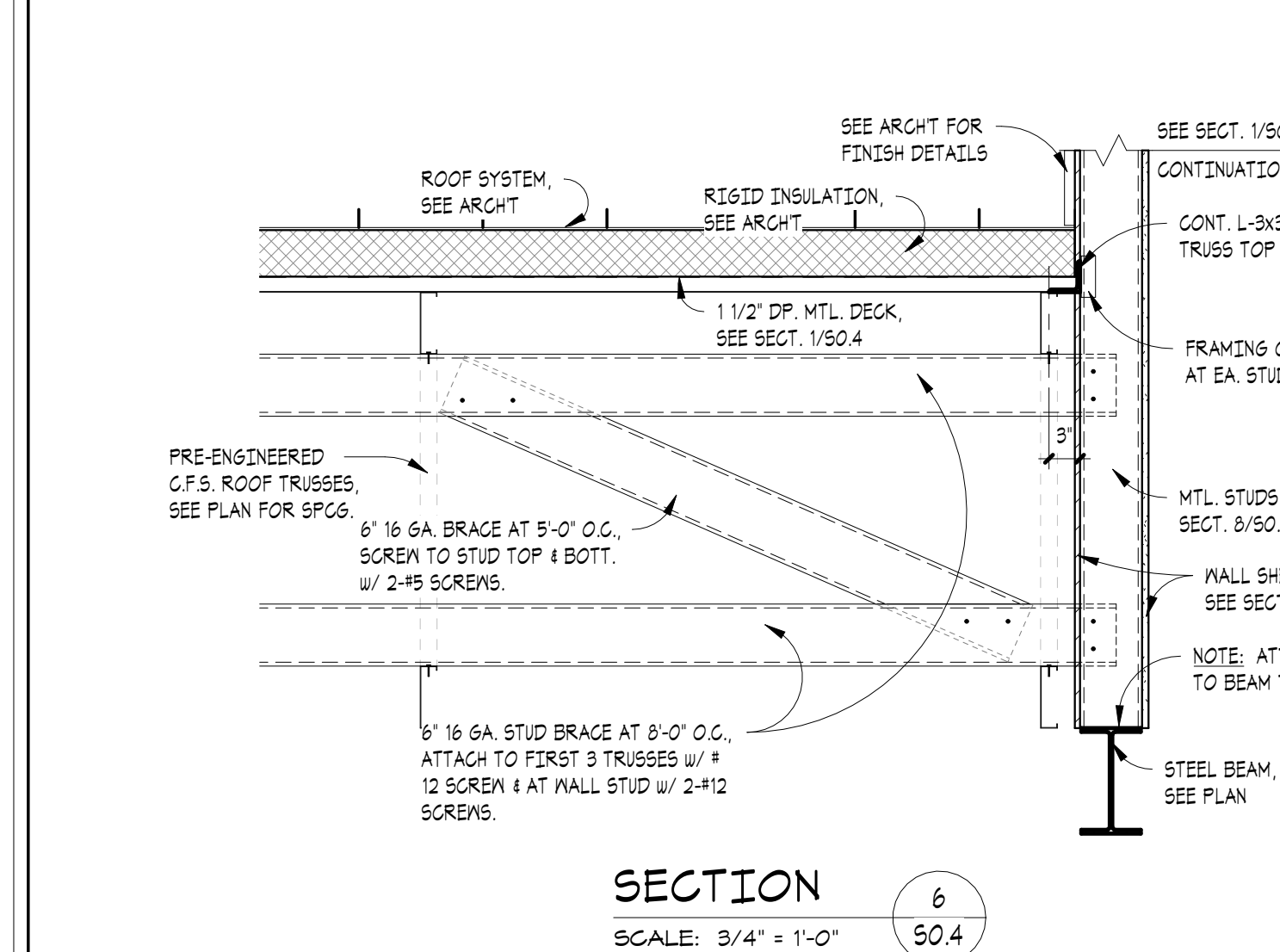
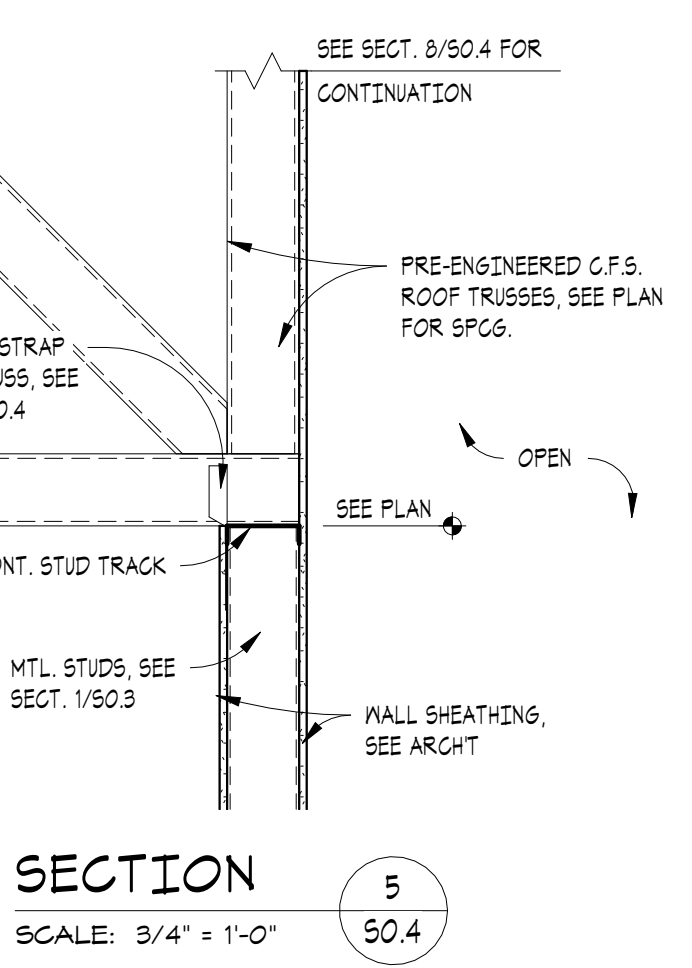
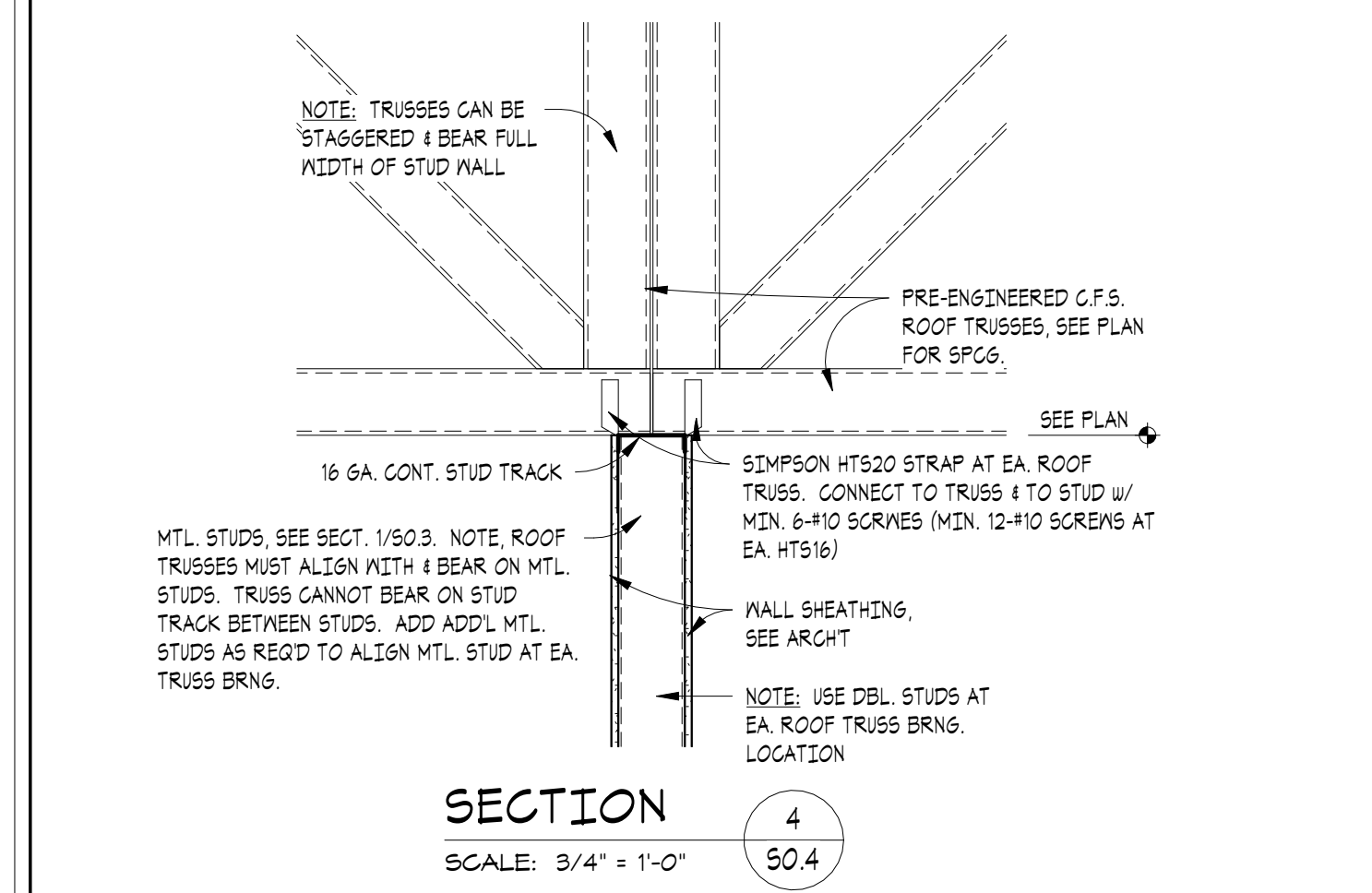
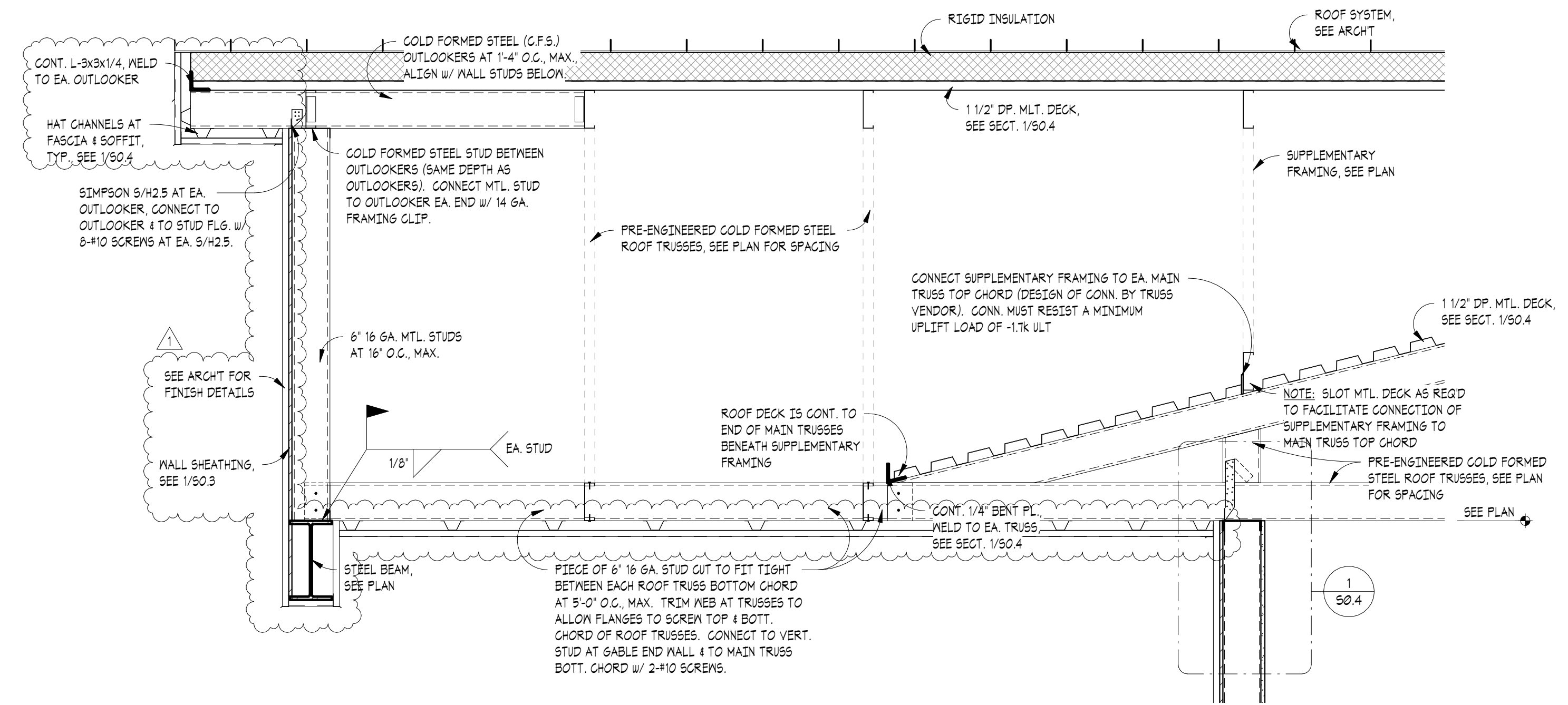
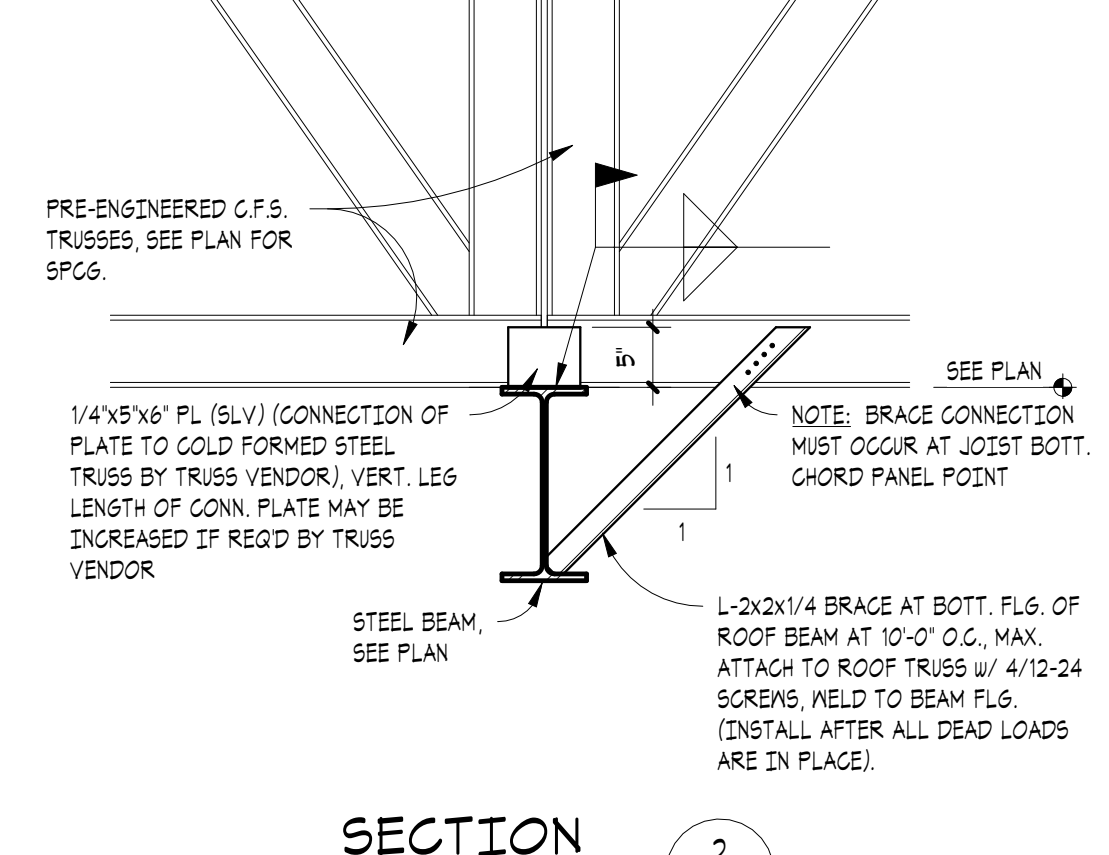
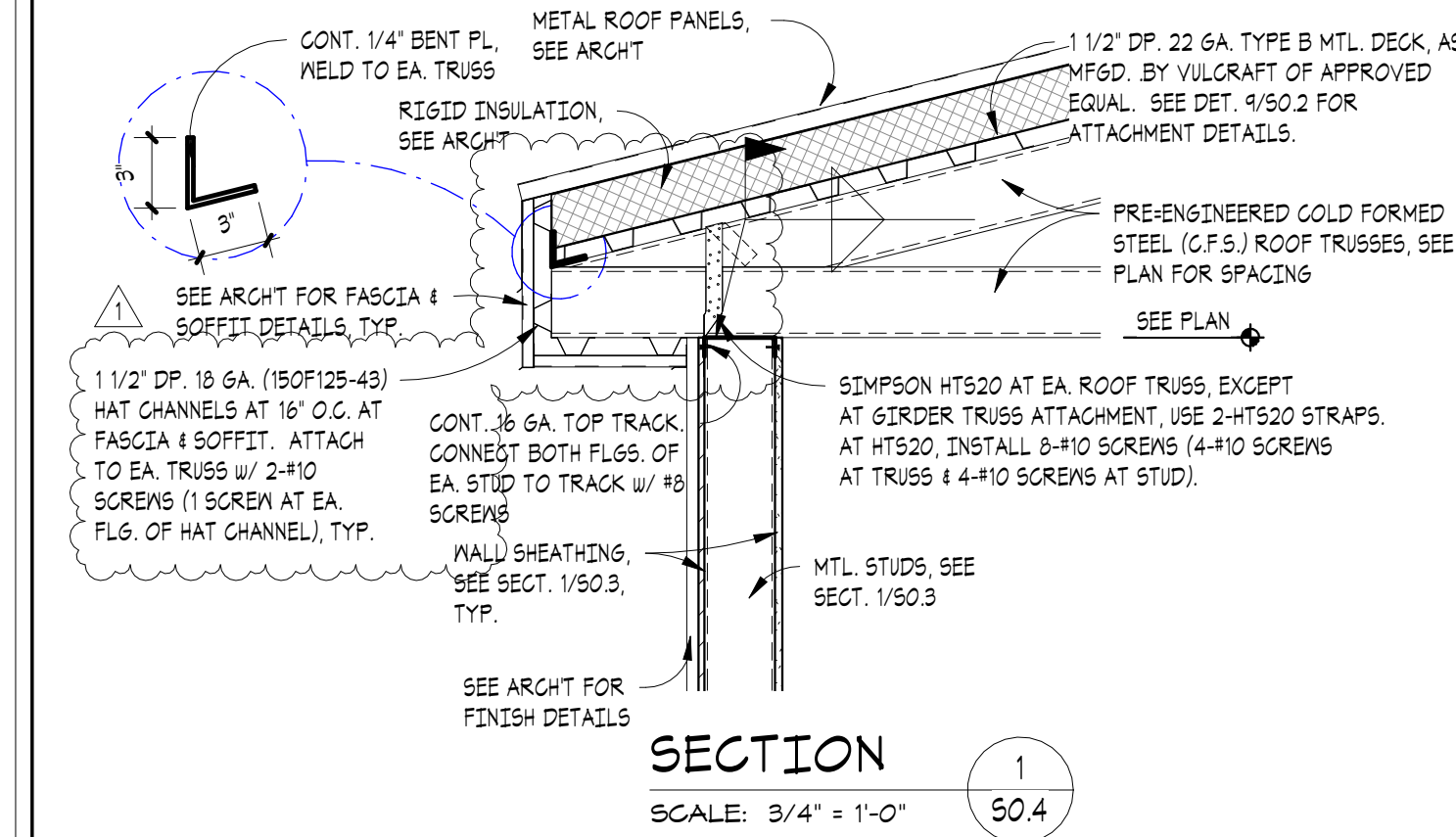
SHEET TITLE
DETAILS

S0.2



JOHNSON & ASSOCIATES ENGINEERING
PROFESSIONAL CONSULTING ENGINEER
2027 THOMASVILLE ROAD
TALLAHASSEE, FLORIDA 32308
(904) 386-8420
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 25506
jpe@eng.com

\\021081-8\proj\A\Project 2027 Projects\2007-2025\2010 Wakulla Library Structure\18082725-Addendum 3.rvt



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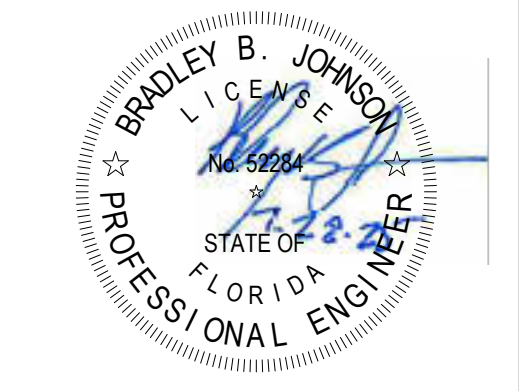
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Submittal			
Phase	Date	Drw	Chk
100% CONSTRUCTION DOCUMENTS	07/21/25	PDJG	BBJ
DESIGN DEVELOPMENT	04/29/25	PDJG	BBJ

Revision		
#	Description	Date
1	Addendum #3	8/28/25

CRA Project # 24071
100% CONSTRUCTION
DOCUMENTS

SHEET TITLE
SECTIONS
S0.4

PLUMBING FIXTURE ACCESSORY SCHEDULE

ACCESSORY TAG	ACCESSORY DESCRIPTION	MANUFACTURER AND MODEL NUMBER
DR-LV-C	1-1/4" CHROME PLATED BRASS OFFSET DRAIN WITH TAIL PIECE. PROVIDE A PERFORATED FLAT CHROME BRASS STRAINER.	ELKAY: LKAD174 OR APPROVED EQUAL
DR-SK-STD	TYPE 304 STAINLESS STEEL DRAIN, REMOVEABLE CONICAL STRAINER BASKET, 1-1/2" STAINLESS STEEL OFFSET TAILPIECE.	ELKAY: LK351/KAD35 OR APPROVED EQUAL
FCT-LV-0.5-AUTO-B	SINGLE INLET, DECK MOUNTED FAUCET, A.D.A. COMPLIANT, 4" CENTERSET, POLISHED CHROME PLATED BRASS, LEAD FREE, BATTERY POWERED, SENSOR OPERATED, 0.5 GPM AERATOR WITH PRESSURE COMPENSATING FLOW CONTROL.	AMERICAN STANDARD: 605B.205 OR APPROVED EQUAL
FCT-MSB	SERVICE SINK FAUCET, POLISHED CHROME PLATED BRASS, BUILT-IN STOPS, VACUUM BREAKER, LEVER HANDLES, WALL BRACE, 3/4" HOSE OUTLET.	T&S BRASS: B-0665-BSTP OR APPROVED EQUAL
FCT-SK-1.5-GEN-SPRAY	SINGLE LEVER DECK MOUNTED FAUCET, POLISHED CHROME PLATED BRASS, 9" SWING SPOUT, 1.5 GPM AT 80 PSI AERATOR, HOSE AND SPRAY, SOFT-CLOSING VALVE WITH INTEGRAL FLOW CONTROL AND ADJUSTABLE STOP TO RESTRICT EXTREME TEMPERATURES. PROVIDE COVER PLATE.	T&S BRASS: B-2730 OR APPROVED EQUAL
FV-0.125-MAN	EXPOSED MANUAL, PISTON TYPE, URINAL FLUSH VALVE, A.D.A. COMPLIANT, POLISHED CHROME PLATED, 1" SCREWDRIVER ANGLE STOP, VACUUM BREAKER, CAST WALL FLANGE.	AMERICAN STANDARD: 6045.013.002 OR APPROVED EQUAL
HGR-MSB	STAINLESS STEEL HANGER, WITH THREE RUBBER TOOL GRIPS.	FIAT: 889CC OR APPROVED EQUAL
HOSE-MSB	HEAVY DUTY, FLEXIBLE HOSE, 5/8" RUBBER, CLOTH REINFORCED, 3/4" BRASS COUPLING, TYPE 302 STAINLESS STEEL BRACKET WITH RUBBER GRIP.	FIAT: 832AA OR APPROVED EQUAL
RMGD-MSB	ALUMINUM RIM GUARD.	FIAT: 1239BB OR APPROVED EQUAL
SEAT-OPN-FRT	EXTRA HEAVY DUTY, OPEN FRONT, ELONGATED SEAT, WITHOUT COVER, SOLID PLASTIC, SELF-SUSTAINING CHECK TYPE HINGE. HINGES SHALL MATCH SEAT COLOR. STAINLESS STEEL POSTS FITTED WITH STAINLESS STEEL WASHERS AND NUTS.	BEMIS: 1655SSCT OR APPROVED EQUAL
TR-LV	CAST BRASS ADJUSTABLE P-TRAP, TUBING OUTLET, 1-1/4" x 1-1/2", CLEANOUT PLUG, POLISHED CHROME PLATED FINISH.	ELKAY: LK500 OR APPROVED EQUAL
TR-SK-STD	CAST BRASS ADJUSTABLE P-TRAP, TUBING OUTLET, 1-1/2" x 1-1/2", CLEANOUT PLUG, POLISHED CHROME PLATED FINISH.	KOHLER: K-9000-CP OR APPROVED EQUAL

CIRCULATOR PUMPS

DESIGNATION			C-1
	SERVICE		DHW
	CAPACITY	GPM	4
	TOTAL DYNAMIC HEAD	FT.	27
	SHUT-OFF HEAD	FT.	35
	PUMP SEAL		MECHANICAL
	MOTOR SPEED	RPM	3,250
	MOTOR HORSEPOWER	HP	1/8
	MOTOR WINDING		FULL
	ELECTRICAL CHARACTERISTICS	V / PH	120 / 1
	NOTES		1
MANUFACTURER			TACO
MODEL NUMBER			009-SF5
DETAIL REFERENCE			C/P501
NOTES:			
1	PROVIDE TACO 00 TIMER/AQUASTAT WITH 7 DAY DIGITAL PROGRAMMABLE TIMER. SET TIMER FOR ALLOWABLE OPERATION DURING OCCUPIED HOURS AND AQUASTAT TO CYCLE PUMP.		
2	PLUMBING CONTRACTOR TO COORDINATE INSTALLATION OF TIMER AND AQUASTAT WITH ELECTRICAL CONTRACTOR AND INSTALL PER MANUFACTURER INSTRUCTIONS.		

PLUMBING FIXTURE SCHEDULE

FIXTURE DESIGNATION	FIXTURE DESCRIPTION	A.D.A. COMPLIANT	MOUNTING METHOD	HEIGHT (A.F.F.)	ROUGH-IN PIPE SIZES				MANUFACTURER AND MODEL NUMBER	ACCESSORIES (SEE SCHEDULE)
					COLD WATER SUPPLY	HOT WATER SUPPLY	FIXTURE TRAP	FIXTURE DRAIN		
WC-5	TANK TYPE WATER CLOSET, STANDARD FLOW (1.6 GPF), VITREOUS CHINA, PRESSURE ASSISTED SIPHON JET FLUSHING ACTION, ELONGATED RIM, 1-1/2" TOP SPUD, MIN. 2" BALLPASS TRAPWAY, WITH CHINA BOLT CAPS AND BEESWAX GASKET. COLOR: WHITE.	YES	FLOOR	RIM: 16-1/2"	1/2"	N/A	4"	4"	AMERICAN STANDARD: 2467.016 OR APPROVED EQUAL	SEAT-OPN-FRT
WC-6	TANK TYPE WATER CLOSET, STANDARD FLOW (1.6 GPF), VITREOUS CHINA, PRESSURE ASSISTED SIPHON JET FLUSHING ACTION, ELONGATED RIM, 1-1/2" TOP SPUD, MIN. 2" BALLPASS TRAPWAY, WITH CHINA BOLT CAPS AND BEESWAX GASKET. COLOR: WHITE.	NO	FLOOR	RIM: 15"	1/2"	N/A	4"	4"	AMERICAN STANDARD: 2462.016 OR APPROVED EQUAL	SEAT-OPN-FRT
UR-1	FLUSH VALVE URINAL, ULTRA HIGH EFFICIENCY (0.125 - 1.0 GPF), VITREOUS CHINA, WASHOUT FLUSHING ACTION, 3/4" TOP SPUD. COLOR: WHITE.	YES	WALL	RIM: 17"	3/4"	N/A	2"	2"	AMERICAN STANDARD: 6590.001 OR APPROVED EQUAL	FV-0.125-MAN
LV-1	LAVATORY, 20"x18", VITREOUS CHINA, 3 FAUCET HOLES (ONE CENTERED, TWO 4" OFF CENTER), ANTI-SPLASH RIM AND HIGH BACK. COLOR: WHITE.	YES	WALL	RIM: 34"	1/2"	N/A	1-1/4"	2"	AMERICAN STANDARD: 0355.012 OR APPROVED EQUAL	FCT-LV-0.5-AUTO-B DR-LV-C TR-LV
LV-5	LAVATORY, 20"x17" OVAL, VITREOUS CHINA, 3 FAUCET HOLES (ONE CENTERED, TWO 4" OFF CENTER), SELF-RIMMING. COLOR: WHITE.	YES	COUNTER TOP	SEE ARCH. PLANS	1/2"	N/A	1-1/4"	2"	AMERICAN STANDARD: 0440.444.EC OR APPROVED EQUAL	FCT-LV-0.5-AUTO-B DR-LV-C TR-LV
SK-2	SINGLE COMPARTMENT SINK, SELF-RIMMING, 22"x19-1/2", 18"x14"x10-1/8" DEEP BOWL, 18 GAUGE TYPE 304 STAINLESS STEEL, 4 FAUCET HOLES (ONE CENTERED, TWO 4" FROM CENTER, ONE 8" FROM CENTER), SOUND DEADENING COATING ON BOTTOM OF SINK.	NO	COUNTER TOP	SEE ARCH. PLANS	1/2"	1/2"	1-1/2"	2"	ELKAY: DLR221910-4 OR APPROVED EQUAL	FCT-SK-1.5-GEN-SPRAY DR-SK-STD TR-SK-STD
MSB-2	MOP SERVICE SINK BASIN, 24"L x 24"W x 12"H, WITH 2" WIDE SHOULDERS, 1/4" PITCH TOWARD INSIDE, PRECAST TERRAZZO (MINIMUM 3,000 PSI @ 7 DAYS), SURFACE GROUND AND POLISHED WITH ALL HOLES AND PITS GROUTED AND WITH EXCESS REMOVED. COLOR: BLACK & WHITE MARBLE CHIPS IN GRAY PORTLAND CEMENT.	NO	FLOOR	---	1/2"	1/2"	3"	3"	FIAT: TSB-200 OR APPROVED EQUAL	FCT-MSB RMGD-MSB HOSE-MSB HGR-MSB
IMB	ICE MAKER HOOK-UP BOX, 20 GAUGE STEEL, WHITE POWDER-COATED, ALL WELDED WATER TIGHT CONSTRUCTION, COLD WATER SUPPLY VALVE WITH 1/2" COPPER SWEAT INLET AND 1/4" COMPRESSION OUTLET AND WATER HAMMER ARRESTER.	N/A	WALL RECESSED	--	1/2"	N/A	N/A	N/A	GUY GRAY: MIB1HAAB OR APPROVED EQUAL	
EW-21	ELECTRIC WATER COOLER WITH BOTTLE FILLING STATION, FILTERED, BARRIER-FREE, TYPE 304 STAINLESS STEEL, BASIN, BRUSHED FINISH, VANDAL-RESISTANT BUBBLER, STAINLESS STEEL CABINET AND CANE APRON, LEAD-FREE WATERWAYS, SELF CONTAINED SYSTEM (R-134A REFRIGERANT) DELIVERS MIN. 8 GPH OF 50°F WATER @ 80°F, INLET WATER AND 90°F AMBIENT AIR, 120V/1PH. BOTTLE FILLING STATION: ELECTRONIC SENSOR ACTIVATED WITH AUTOMATIC 20-SECOND SHUT-OFF TIMER AND BOTTLE COUNTER. DELIVERS MIN. 1 GPM FLOW RATE WITH LAMINAR FLOW. ANTI-MICROBIAL PLASTIC COMPONENTS.	YES	WALL SURFACE	SPOUT: 38" / 32"	1/2"	N/A	1-1/4"	2"	ELKAY: LZSTLG8WSSK OR APPROVED EQUAL	

NOTES:

- 1
- SUPPLY STOPS: CHROME-PLATED-BRASS, ONE-QUARTER TURN, BALL-TYPE OR COMPRESSION VALVE WITH INLET MATCHING SUPPLY PIPING.
- 2
- FLEXIBLE CONNECTIONS: ASME A112.18.6 BRAIDED- OR CORRUGATED-STAINLESS STEEL, FLEXIBLE HOSE RISER.
- 3
- SUPPORT CARRIERS: ASME A112.6.1M TYPE 1 (URINALS) OR TYPE 2 (CONCEALED ARM FOR LAVATORIES) WITH RECTANGULAR STEEL UPRIGHTS, COUPLING, SEAL, AND MOUNTING HARDWARE.
- 4
- A.D.A. LAVATORIES & SINKS: PROTECT DRAIN AND SUPPLY LINES WITH "TRAP WRAP" OR APPROVED EQUAL.
- 5
- EXTRA MAINTENANCE MATERIALS: FURNISH TWO (2) FLUSHOMETER-VALVE REPAIR KITS FOR EACH TYPE OF FLUSHOMETER VALVE INSTALLED.

THERMOSTATIC MIXING VALVES

DESIGNATION			TMV-1
	APPLICATION		MED / LOW
	SET-POINT	°F	110
	MINIMUM FLOW	GPM	0.5
	MAXIMUM FLOW	GPM	10
	PRESSURE DROP @ MAX FLOW	PSI	10
	RECIRCULATED SYSTEM		YES
	ASSE COMPLIANCE		1017
MANUFACTURER			LAWLER
MODEL NUMBER			61-25
DETAIL REFERENCE			C/P501
<u>NOTES:</u>			
1 PROVIDE ROUGH BRASS FINISH			

ELECTRIC STORAGE WATER HEATERS

DESIGNATION			WH-1
	STORAGE	GAL	30
	HEATING ELEMENT INPUT (EACH)	KW	6.0
	NUMBER OF ELEMENTS	#	2
	SIMULTANEOUS OPERATION OF ELEMENTS		NO
	TOTAL HEATING INPUT	KW	6.0
	ENTERING WATER TEMPERATURE	°F	60
	LEAVING WATER TEMPERATURE	°F	140
	TEMPERATURE RISE	°F	80
	RECOVERY RATE	GPH	31
ELECTRICAL CHARACTERISTICS	V / PH	208 / 1	
MANUFACTURER			A.O. SMITH
MODEL NUMBER			DEN-30
DETAIL REFERENCE			C/P501
<u>NOTES:</u>			
1	PROVIDE LOW WATER CUT-OFF.		

FIXTURE UNIT CALCULATIONS

FIXTURE TYPE		QUANTITY	WASTE		SUPPLY					
			UNIT	TOTAL	COLD		HOT		TOTAL	
					UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL
	DRINKING FOUNTAIN	1	0.5	0.5	0.25	0.25			0.25	0.25
	LAVATORY (COLD WATER)	8	1	8	2	16			2	16
	SINK	1	2	2	2	2	2	2	3	3
	MOP SERVICE BASIN	1	2	2	2.25	2.25	2.25	2.25	3	3
	URINAL (3/4" VALVE)	1	4	4	5	5			5	5
	WATER CLOSET (TANK)	7	3	21	2	14			2	14
	HOSE BIBB / WALL HYDRANT	8			4	32			4	32
	FLOOR DRAIN	5	2	10						
	REFRIGERATOR / ICE MAKER	1			1	1			1	1
	TOTAL FIXTURE UNITS			48		73		4		74
DOMESTIC WATER DEMAND (GPM)						35.8		5.5		36.3



WAKULLA COUNTY BOCC

WAKULLA COUNTY PUBLIC LIBRARY

CRAWFORDVILLE, FL



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Submittal

Phase	Date	Drw	Chk
100% CDs	7/21/25	FPH	MPP

Revision

#	Description	Date
1	Addendum 3	8/28/25

CRA Project # 24071

Phase: 100% CONSTRUCTION DOCUMENTS

SHEET TITLE

SCHEDULES

P401



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ADDENDUM #3

WAKULLA COUNTY BOARD OF COUNTY COMMISSIONERS

WAKULLA PUBLIC LIBRARY

CRAWFORDVILLE, FLORIDA

CRA PROJECT NUMBER 24071

8/27/2025

This Addendum forms a part of the Contract Documents and modifies the original Project Manual and Drawings dated July 21, 2025 (100% Construction Documents) as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the bidder to disqualification.

ITEM #3-1

Sheet(s) C1, LS1.1 (Life Safety), A1.1, A4.1, A7.1, A8.1, S0.2, S0.4, and P401

A. REPLACE: The sheet(s) in its entirety.

ITEM #3-2

Specifications Section 054000

A. ADD: Specification in its entirety.

ITEM #3-3

Specification Index

A. REPLACE: Index in its entirety.

(End of Addendum)