

GENERAL NOTES

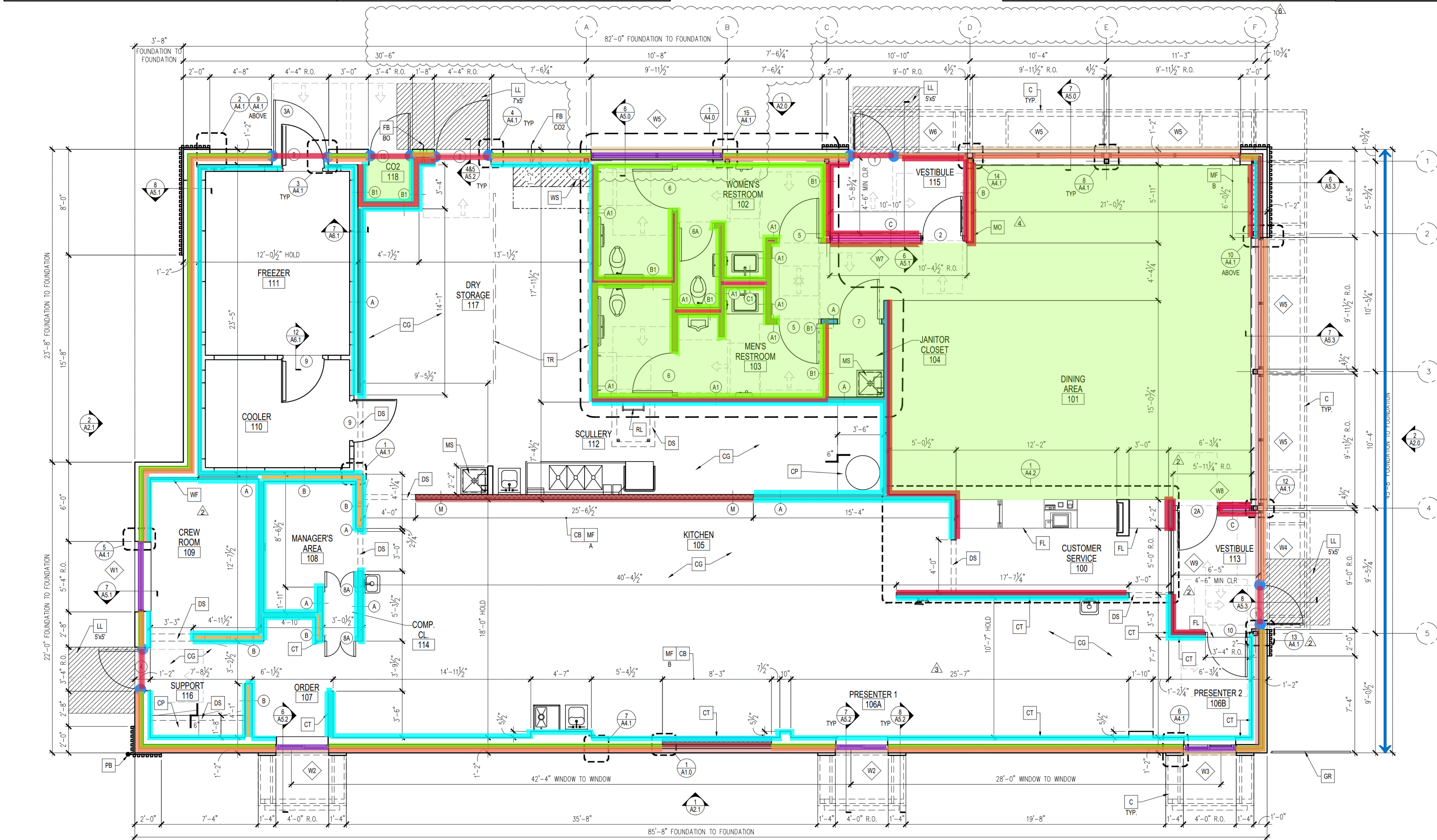
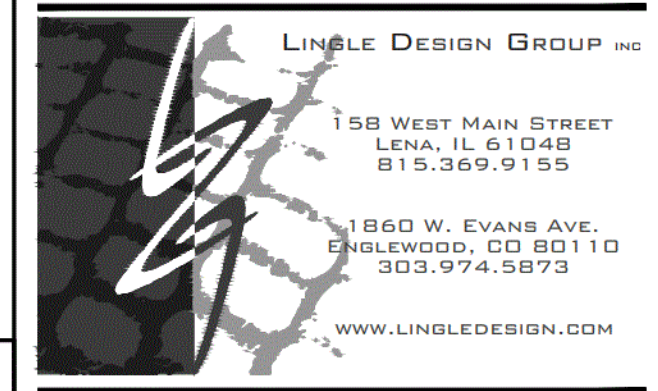
- EXTERIOR DIMENSIONS ARE TO COLUMN REFERENCE LINES AND FACE OF MASONRY UNLESS OTHERWISE NOTED. INTERIOR DIMENSIONS ARE TO FACE OF INTERIOR WALL BOARD.
- SEE 5/A5.0 FOR EXTERIOR WALL ASSEMBLY TYPES. SEE 2/A1.0 FOR INTERIOR PARTITION TYPES. INTERIOR PARTITIONS ARE TYPE 'A' UNLESS NOTED OTHERWISE.
- SEE SHEET A6.0 FOR WINDOW SCHEDULE.
- SEE SHEET A6.0 FOR DOOR SCHEDULE.
- SEE SHEET A1.4 FOR ROOM FINISHES.
- GC TO PROVIDE ADA SIGNAGE PACKAGE AND INSTALL SIGNS AT LOCATIONS AND POSITIONS INDICATED IN PACKAGE OR AS REQUIRED BY LOCAL CODES. SIGNAGE PACKAGE SUPPLIED BY: FRANK/SZK 1-800-423-5247 WWW.FRANKSUPPLY.COM, EMAIL: FS@FRANKSUPPLY.US@FRANKE.COM, SEE SHEET T3.0.
- MAXIMUM OCCUPANCY SIGN TO BE POSTED PER LOCAL CODE. SIGN FURNISHED AND INSTALLED BY GENERAL CONTRACTOR.
- ALL HANDSINK LOCATIONS SHALL HAVE CEMENT BOARD BACKING 48" IN HEIGHT A.F.F.
- GC TO COORDINATE ALL REQUIRED BLOCKING FOR WALL HUNG EQUIPMENT, SHELVES, ETC. FOR PROPER INSTALLATION HEIGHTS.
- KNOX BOX TO BE INSTALLED BY GENERAL CONTRACTOR PER LOCAL CODE AS REQUIRED. MODEL AND LOCATION TO BE COORDINATED WITH FIRE MARSHAL.
- DASHED LINES @ DOORS, RESTROOMS, & FIXTURES REPRESENT CLEAR FLOOR MANEUVERING CLEARANCES AS REQUIRED BY THE ACCESSIBILITY CODE. CLEARANCES MUST BE MAINTAINED WITHOUT EXCEPTION. IF CONDITIONS PREVENT ANY CLEAR FLOOR SPACE FROM BEING MAINTAINED, CONTACT THE ARCHITECT FOR RESOLUTION.
- SEE SITE PLAN FOR SIDEWALKS, RAMPS, ETC.

KEY NOTES

- ALUMINUM CANOPY SYSTEM ABOVE - SEE 5/A5.0 FOR NOTES - SEE ROOF PLAN FOR DIMENSIONS, SEE ELEVATION FOR COLORS AND FASGIA LOCATIONS.
- 1/2" CEMENT BOARD AT EACH SIDE - SEE FINISH SCHEDULE AND MECHANICAL FOR ADDITIONAL INFORMATION AND REQUIRED BLOCKING.
- G.C. TO PROVIDE 4"x4"x5'-0" HIGH STAINLESS STEEL CORNER GUARDS AT ALL EXPOSED LOCATIONS IN KITCHEN/SUPPORT AREA. CORNER GUARDS TO START AT FINISH FLOOR. ATTACH WITH WOOD SCREWS INTO WOOD BLOCKING BULLNOSE COVE BASE WHERE TILE MEETS STAINLESS STEEL CORNER - SEE DETAIL 10/A6.1.
- CONCRETE EQMT PAD - SEE DETAIL 13/A6.1 AND STRUCTURAL.
- KITCHEN WALL TILE - SEE FINISH PLAN, PROVIDE BEHIND HOODS AND 18" MIN PAST THE END OF EXHAUST HOODS, COORDINATE WITH MCDONALD'S AREA CONSTRUCTION MANAGER.
- DROPPED SOFFIT ABOVE - SEE REFLECTED CEILING PLAN.
- CO2 FILL BOX (EQUIPMENT SCHEDULE ITEM 49.00)
- OPTIONAL BULK OIL FILL BOX (EQPM SCHEDULE ITEM 700.18) CONFIRM USE WITH MCDONALD'S AREA CONSTRUCTION MANAGER.
- FLOOR LINE - CHANGE IN MATERIAL - SEE FINISH PLAN.
- GUARDRAIL - SEE DETAIL 3/A2.0 - SEE SITE PLAN FOR EXACT LOCATION AND LENGTH.
- LEVEL LANDING @ EXT. DOOR W/ MAX. 2% SLOPE AWAY FROM BUILDING.
- FROST FOOTING
- PROPER MANEUVERING CLEARANCE
- REFER TO SITE/CIVIL PLANS

LEGEND

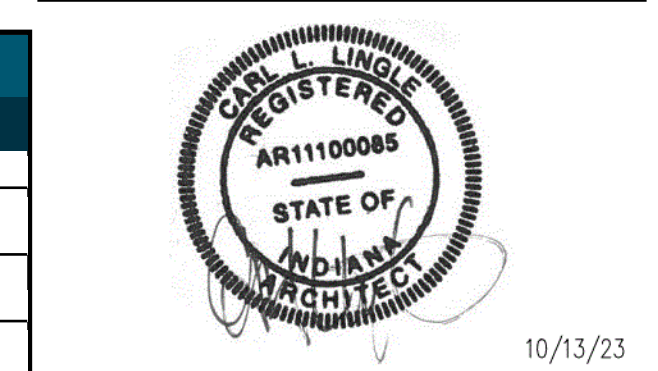
- NEW WOOD FRAMED WALL
- NEW METAL FRAMED WALL



Takeoff Legend

Type	Color	Takeoff	Qty	UOM
5 1/2" Metal Stud	Light Blue	17.35	17.35	LF
Ext Gyp Board at Metal Stud Framing	Light Blue	324.13	324.13	SQFT
2x6 Wood Stud	Light Green	170.55	170.55	LF
1/2" ext ply wood at wood stud framing	Light Green	3198.62	3198.62	SQFT
1/2" gypsum board up doors	Light Purple	281.43	281.43	SQFT
2x6 Wood studs at door jamb Ext @ 7'	Light Purple	23	23	EA
1/2" gypsum board up windows	Light Purple	343.99	343.99	SQFT
1/2" gypsum up windows	Light Purple	599.94	599.94	SQFT
Firestop Blocking	Light Purple	309.91	309.91	LF
3 5/8" Metal Stud Int Partition	Light Purple	30.56	30.56	LF
1/2" Cement Board Ext	Light Purple	162.12	162.12	SQFT
2x4 Wood studs Int wall	Light Purple	205.72	205.72	LF
2x6 Wood Studs Int Wall	Light Purple	74.1	74.1	LF
2x6 Wood Studs Int Wall	Light Purple	14.74	14.74	LF
Batt Insulation Int Wall	Light Purple	1175.2	1175.2	SQFT
Int 1/2" Cement Board	Light Purple	306.5	306.5	SQFT
Int 1/2" Cement Board	Light Purple	98.3	98.3	SQFT
1/2" Plywood Int	Light Purple	4802.3	4802.3	SQFT
1/2" Cement Board Int	Light Purple	1684.1	1684.1	SQFT
1/2" gypsum board Int	Light Purple	1200.1	1200.1	SQFT
Gypsum Board Ceiling	Light Purple	1431.08	1431.08	SQFT

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STATE ID: 131246 NATIONAL #: 40669
 PROJECT #: 23-287 DATE: 10/13/23
 DRAWN BY: RP CHECKED BY: JK

REVISIONS

10/13/23 - RE-DRAW NEW PROTOTYPE
11/15/23 - QC COMMENTS & PROTO UPDATES
01/02/24 - QC COMMENTS
01/30/24 - CITY COMMENTS
02/16/24 - ELECTRICAL MARK-UPS
03/11/24 - CITY COMMENTS

CLIENT
McDonald's USA, LLC

ADDRESS
**9521 HAVER WAY
 INDIANAPOLIS, IN 46240**

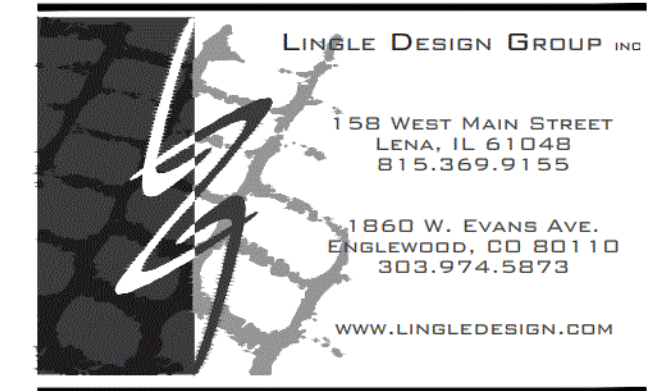
SHEET TITLE
FLOOR PLAN & DETAILS

SHEET NUMBER:
A1.0

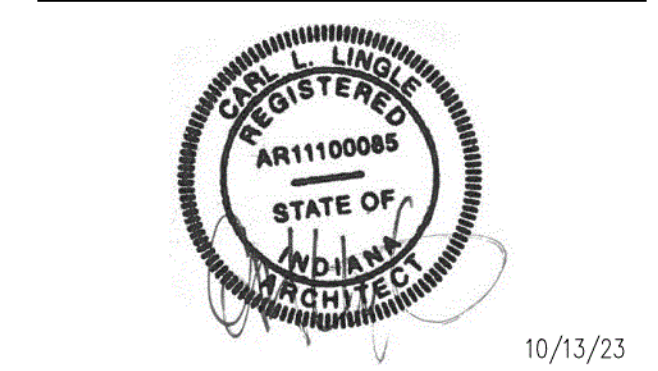
GENERAL NOTES	
1.	SINGLE-PLY ROOFING SYSTEM WITH BASE FLASHING SHEET EXTENDING UP PARAPET AND TERMINATED UNDER COPING HOT-WELDED TO SEALING STRIP SECURED TO WOOD BLOCKING.
2.	INSTALLATION OF ROOFING SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND PER DETAIL 16 / A4.4
3.	PROVIDE PREFABRICATED METAL CURBS, COORDINATE SIZE, LOCATION AND INSTALLATION REQUIREMENTS W/ M, E, P & S SHEETS. PROVIDE SHIMS TO LEVEL CURB AREAS WHERE ROOF DECK IS PITCHED.
4.	FOR EXACT LOCATION OF EXHAUST FANS, HVAC UNITS, AND ROOF HATCH, REFER TO STRUCTURAL DRAWINGS.
5.	CRICKETS MUST BE INSTALLED AT ALL ROOF CURBS & EQUIPMENT PLATFORMS BY GENERAL CONTRACTOR.

KEY NOTES					
TAG	DESCRIPTION	TAG	DESCRIPTION	TAG	DESCRIPTION
C1	ALUMINUM CANOPY SYSTEM W/ FASCIA (COLOR: SEE ELEVATIONS)	K	KICKER - SEE STRUCTURAL	PP	PIPE PORTAL - SEE MECHANICAL
C2	ALUMINUM CANOPY SYSTEM (COLOR: SEE ELEVATIONS)	L1	RECESSED DOWN LIGHT FIXTURE, COLOR: GOLD - SEE ELEVATIONS & ELECTRICAL	PV	PLUMBING VENT - SEE PLUMBING
CU	CONDENSING UNIT - SEE MECHANICAL	L2	EXTERIOR WALL SCONCE - SEE ELEVATIONS & ELECTRICAL	RD	ROOF DRAIN WITH OVERFLOW DRAIN - SEE PLUMBING
EF	EXHAUST FAN - SEE MECHANICAL	LE	ACCENT LIGHTING - SEE ELEVATIONS & ELECTRICAL	RL	ROOF LADDER HATCH WITH LOCK - PROVIDE CURB AND CRICKET AS SHOWN
FL	WATER HEATER FLUE AND INTAKE	MF	METAL FASCIA	RTU	ROOFTOP UNIT - SEE MECHANICAL
GN	GOOSENECK FOR JANITOR CLOSET EXHAUST FAN	WP	ROOF WALKWAY PAD	S	MCDONALD'S SIGNAGE BY OTHERS UNDER SEPARATE PERMIT (SEE ELEVATIONS)
HB	HOSE BIBB - SEE PLUMBING				

LEGEND	
L.P.	LOW POINT
H.P.	HIGH POINT
→	DIRECTION OF DRAINAGE
AP →	TRELLIS SYSTEM WITH ALUMINUM INFILL PANELS. SLOPE TO EDGE @ 1/4"PER FT.



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RP	JK

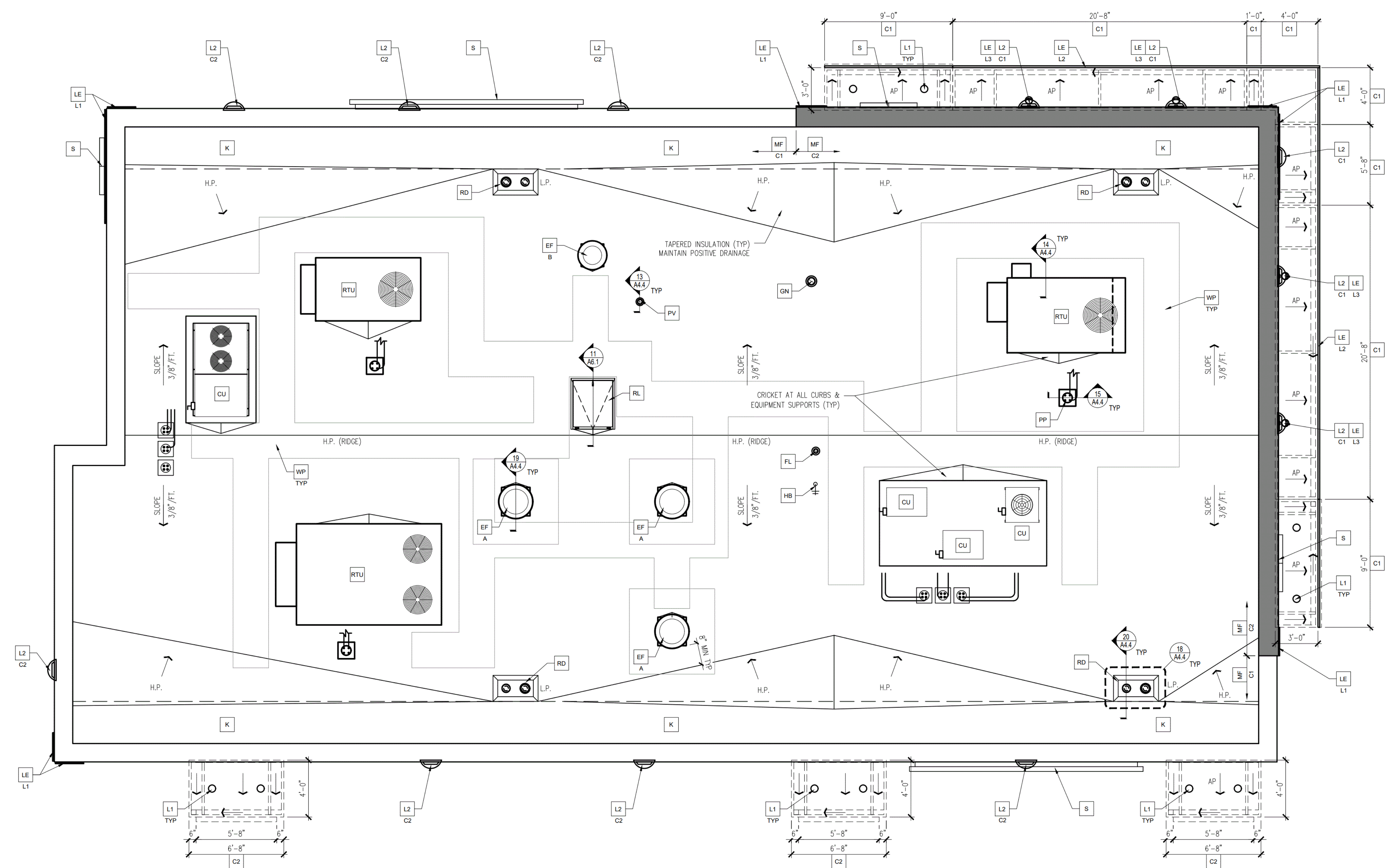
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**9521 HAVER WAY
INDIANAPOLIS, IN 46240**

SHEET TITLE
ROOF PLAN

SHEET NUMBER:
A1.3



FINISH SCHEDULE

WALL FINISHES			
TAG	DESCRIPTION	SPEC	COMMENTS
2b	WALL PAINT / DOOR FRAMES	BENJAMIN MOORE, 2134-30 IRON MOUNTAIN (SEMI-GLOSS)	RE: DECOR DRAWINGS FOR EXTENT, GC TO PAINT WALL PRIOR TO INSTALLATION OF DECOR.
5d	AMENITY TOWER/ DELIVERY POD LAMINATE WALLS	LAMITECH, GRAPHITE K, MATTE FINISH	RE: DECOR DRAWINGS FOR EXTENT, CONTACT: MARK HANSON, MARK@DECOTONESURFACES.COM, NICK MARCIANO, NICK@DECOTONESURFACES.COM, STEPHANIE DE MARCO, STEPHANIE@DECOTONESURFACES.COM; 908-301-0600
6y	RESTROOM WALL TILE	EUROWEST, ARCHITECT FACTORY (12"x24") - GROUT: MAPEI, ULTRACOLOR PLUS FA, CHARCOAL 47	RE: DECOR DRAWINGS FOR EXTENT, CONTACT: MCD CUSTOMER SERVICE AT 800.978.7500 OR MCD@EUROWEST.COM / JAN DETER 714.309.9551
6z	RESTROOM ACCENT WALL TILE	EUROWEST, SHELTER BIANCO MATTE (4"x12") - GROUT: MAPEI, ULTRACOLOR PLUS FA, CHARCOAL 47	RE: DECOR DRAWINGS FOR EXTENT, CONTACT: MCD CUSTOMER SERVICE AT 800.978.7500 OR MCD@EUROWEST.COM / JAN DETER 714.309.9551
10c	GRAPHIC WALLCOVERING	VARIES	RE: DECOR DRAWINGS FOR EXTENT, CONTACT: ANN BOWEN, 865.330.7337 OR ANN.BOWEN@VOMELA.COM GFX: RICK FORMANSKI, 800.603.8478 OR MCDONALDSDECOR@GFXI.COM
10v	CREW ROOM GRAPHIC WALLCOVERING	DL COUCH, NA-17-MC196 / Bx4.336 TRUNK SHOW, LIGHT GRAIN	RE: DECOR DRAWINGS FOR EXTENT, CONTACT: MOLLIE BURDETTE, MBURDETTE@MOMTEX.COM, 800.433.0790
20	WALL PANEL	S&D SUPPLIER, LAMINATE - PANOLAM, MCDONALD'S STONE WOOD, TRIM: SATIN ANODIZED ALUMINUM	RE: DECOR DRAWINGS FOR EXTENT, GC TO COORDINATE ORDERING OF EIS SUPPLIED ITEMS WITH MCDONALD'S AND ACM ALL WALL LAMINATE PANELING MANUFACTURED BY DECOR PURCHASE AND INSTALL BY GC, UNO.
FRP	FIBERGLASS REINFORCED PANELS	PANOLAM, CLASS A, .075, COLOR: GRAY SMOOTH	1/2" PLYWOOD SUBSTRATE TYP (SEE GENERAL NOTES 4), 1/2" CEMENT BOARD AS NOTED ON SHEET A1.0 CONTACT: KIMBERLY LAWSON 1-866-925-4377 OR KIMBERLY_LAWSON@PANOLAM.COM
KB	LAMINATE	LAMITECH, 3156 GREY SLATE	RE: DECOR DRAWINGS FOR EXTENT, GC TO INSTALL WALL PANELING & TRANSOM LAMINATE PANEL SYSTEM PROVIDED BY EIS. INSTALLATION INSTRUCTION AVAILABLE UPON REQUEST.
KF	GRAPHIC WALLCOVERING	S&D SUPPLIER, BALTIC BIRCH	RE: DECOR DRAWINGS FOR EXTENT, G.C. TO PREP WALL PER FINISH PLAN NOTES. SEE INSTALL INSTRUCTIONS FOR MORE INFORMATION.
WT2	KITCHEN WALL TILE	CT/B: WALL TILE: CROSSVILLE: COLOR BY NUMBERS - COLOR: AFTERNOON SPRAY, SIZE: 4"x12", PATTERN: RUNNING BOND, GROUT: MAPEI O2 PEWTER - JOINT TO BE 1/16" MAX. HIGH PERFORMANCE CEMENT, MORTAR SETTING BED: LATEX-PORTLAND CEMENT THIN SET (MEDIUM BED) USE THIS TILE WHEN HIGH LRV IS REQUIRED, COORDINATE WITH THE MCDONALD'S AREA CONSTRUCTION MANAGER.	1/2" PLYWOOD SUBSTRATE TYP (SEE GENERAL NOTES 4), 1/2" CEMENT BOARD AS NOTED ON SHEET A1.0 CONTACT: MCD CUSTOMER SERVICE AT 800.978.7500 OR MCD@EUROWEST.COM / JAN DETER 714.309.9551
FLOOR & BASE FINISHES			
TAG	DESCRIPTION	SPEC	COMMENTS
7a	DINING / RESTROOM FLOOR TILE	EUROWEST, URBAN DOVE (24"x48") - BASE: (FELD CUT INTO 4" PIECES, U.N.O.) - GROUT: MAPEI, ULTRACOLOR PLUS FA, IRON 107	(SEE GENERAL NOTE 2), RE: DECOR DRAWINGS FOR EXTENT, CONTACT: MCD CUSTOMER SERVICE AT 800.978.7500 OR MCD@EUROWEST.COM / JAN DETER 714.309.9551
9b	RESTROOM BASE	SCHLUTER SYSTEMS LP, DILEX-AHK-IS-125-AE, SATIN ANODIZED ALUMINUM	RE: DECOR DRAWINGS FOR EXTENT, CONTACT: EARL MAICUS: 800.267.0817 EXT. 3410
B1	KITCHEN BASE TILE	CROSSVILLE - COVED QUARRY TILE, COLOR: PURITAN GRAY (STANDARD), MAYFLOWER RED (OPTIONAL) - VERIFY W/ MCDONALD'S ACM, GROUT: KERAPOXY IEG BLACK #10 BY MAPEI, CHARCOAL #47 BY MAPEI (FOR OPTIONAL RED TILE) CHEMICAL RESISTANT, WATER-CLEANABLE, TILE-SETTING EPOXY - 100% SOLIDS, INDUSTRIAL-GRADE, MORTAR SETTING BED: MODIFIED-PORTLAND CEMENT THIN SET MORTAR (MEDIUM BED)	CONTACT: MCD CUSTOMER SERVICE AT 800.978.7500 OR MCD@EUROWEST.COM / JAN DETER 714.309.9551
B2	WALK-IN COOLER/FREEZER BASE	4" ALUMINUM COVED BASE	SUPPLIED BY K.E.S.
QT1	KITCHEN FLOOR TILE	CROSSVILLE - METROPOLITAN QUARRY BASICS ABRASIVE (6"x6"), COLOR: PURITAN GRAY EXTRA ABRASIVE 57XA (STANDARD), MAYFLOWER RED 31XA (OPTIONAL) - VERIFY W/ MCDONALD'S ACM, GROUT: KERAPOXY IEG BLACK #10 BY MAPEI, CHARCOAL #47 BY MAPEI (FOR OPTIONAL RED TILE) CHEMICAL RESISTANT, WATER-CLEANABLE, TILE-SETTING EPOXY - 100% SOLIDS, INDUSTRIAL-GRADE, MORTAR SETTING BED: MODIFIED-PORTLAND CEMENT THIN SET MORTAR (MEDIUM BED)	CONTACT: MCD CUSTOMER SERVICE AT 800.978.7500 OR MCD@EUROWEST.COM / JAN DETER 714.309.9551
MISCELLANEOUS			
TAG	DESCRIPTION	SPEC	COMMENTS
5a	DINING ROOM TOP CAPS / COUNTERS	DUPONT, CORIAN, CAMEO WHITE	RE: DECOR DRAWINGS FOR EXTENT, CONTACT: ERIN FAIRFIELD, ERIN.MICHELLE.FAIRFIELD@DUPONT.COM, 612.499.4875
5b	WINDOW SILL / HEADER / RETURNS	DUPONT, CORIAN, DEEP MINK	RE: DECOR DRAWINGS FOR EXTENT, CONTACT: ERIN FAIRFIELD, ERIN.MICHELLE.FAIRFIELD@DUPONT.COM, 612.499.4875
9f	CORNER GUARDS	SCHLUTER SYSTEMS LP, 5/16" QUADREC TRIM / TUSCAN PEWTER 080TSG	RE: DECOR DRAWINGS FOR EXTENT, CONTACT: EARL MAICUS: 800.267.0817 EXT. 3410
43f	PICK-UP POD	DUPONT, CORIAN, DEEP TITANIUM	RE: DECOR DRAWINGS FOR EXTENT, GC TO COORDINATE ORDERING OF EIS SUPPLIED ITEMS WITH MCDONALD'S AND ACM
LM1	LAMINATE	SMOOTH BLACK PLASTIC LAMINATE	BY GC @ IDMB
LM2	LAMINATE	WHITE PLASTIC LAMINATE	BY GC @ AMENITY TOWER. (KITCHEN SIDE)
LM3	LAMINATE	FORMICA COMPACT LAMINATE MATTE BLACK	BY GC @ FRONT COUNTER BASE BOARD (DINING SIDE)
SCH	EDGE PROTECTION	"SCHLUTER SYSTEMS", PROFILE: 1/2" QUADREC TRENDRINE, PRODUCT TYPE: IN/OUT CORNER 90°, COLOR: TUSCAN PEWTER	CONTACT: EARL MAICUS: 800.267.0817 EXT. 3410
* FOR REFERENCE ONLY, ALL FINISHES PER INTERIOR DESIGN DRAWINGS.			

ROOM FINISH SCHEDULE

MARK	ROOM NAME	FLOOR	WALLS	CEILING
100	CUSTOMER SERVICE	Q11, B1	20	2'x4' ACOUST. (ACT A)
101	DINING	7a, 7b	2b, 10c, 20, KB, KF	2'x4' ACOUST. (ACT A) PAINTED GYP. BD. (2d)
102	WOMEN'S TOILET	7a, 9b	6y, 6z	PAINTED GYP. BD. (2d)
103	MEN'S TOILET	7a, 9b	6y, 6z	PAINTED GYP. BD. (2d)
104	JANITOR CLOSET	7a	FRP (SEE GENERAL NOTE 5B)	PAINTED GYP. BD. (2d)
105	KITCHEN	Q11, B1	FRP, WT2	2'x2' ACOUST. (ACT AV)
106A	PRESENTER 1	Q11, B1	WT2	2'x2' ACOUST. (ACT AV)
106B	PRESENTER 2	Q11, B1	WT2	2'x2' ACOUST. (ACT AV)
107	ORDER	Q11, B1	FRP	2'x2' ACOUST. (ACT AV)
108	MANAGER'S AREA	Q11, B1	FRP	2'x2' ACOUST. (ACT A)
109	CREW ROOM	Q11, B1	10c, 10v	2'x2' ACOUST. (ACT C)
110	COOLER	Q11, B2	PRE-FAB METAL SKIN PANEL	PRE-FAB METAL SKIN PANEL
111	FREEZER	Q11, B2	PRE-FAB METAL SKIN PANEL	PRE-FAB METAL SKIN PANEL
112	SCULLERY	Q11, B1	FRP (SEE GENERAL NOTE 5A)	2'x2' ACOUST. (ACT AV)
113	VESTIBULE	7a	20	2'x4' ACOUST. (ACT A) WITH HOLD DOWN CLIPS
114	COMPUTER CLOSET	Q11, B1	FRP	GYP. BD.
115	VESTIBULE	7a	20	2'x4' ACOUST. (ACT A) WITH HOLD DOWN CLIPS
116	SUPPORT	Q11, B1	FRP	2'x2' ACOUST. (ACT AV)
117	DRY STORAGE	Q11, B1	FRP	2'x2' ACOUST. (ACT AV)
118	CO2	Q11, B1	FRP	GYP. BD.
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- REVISIONS**
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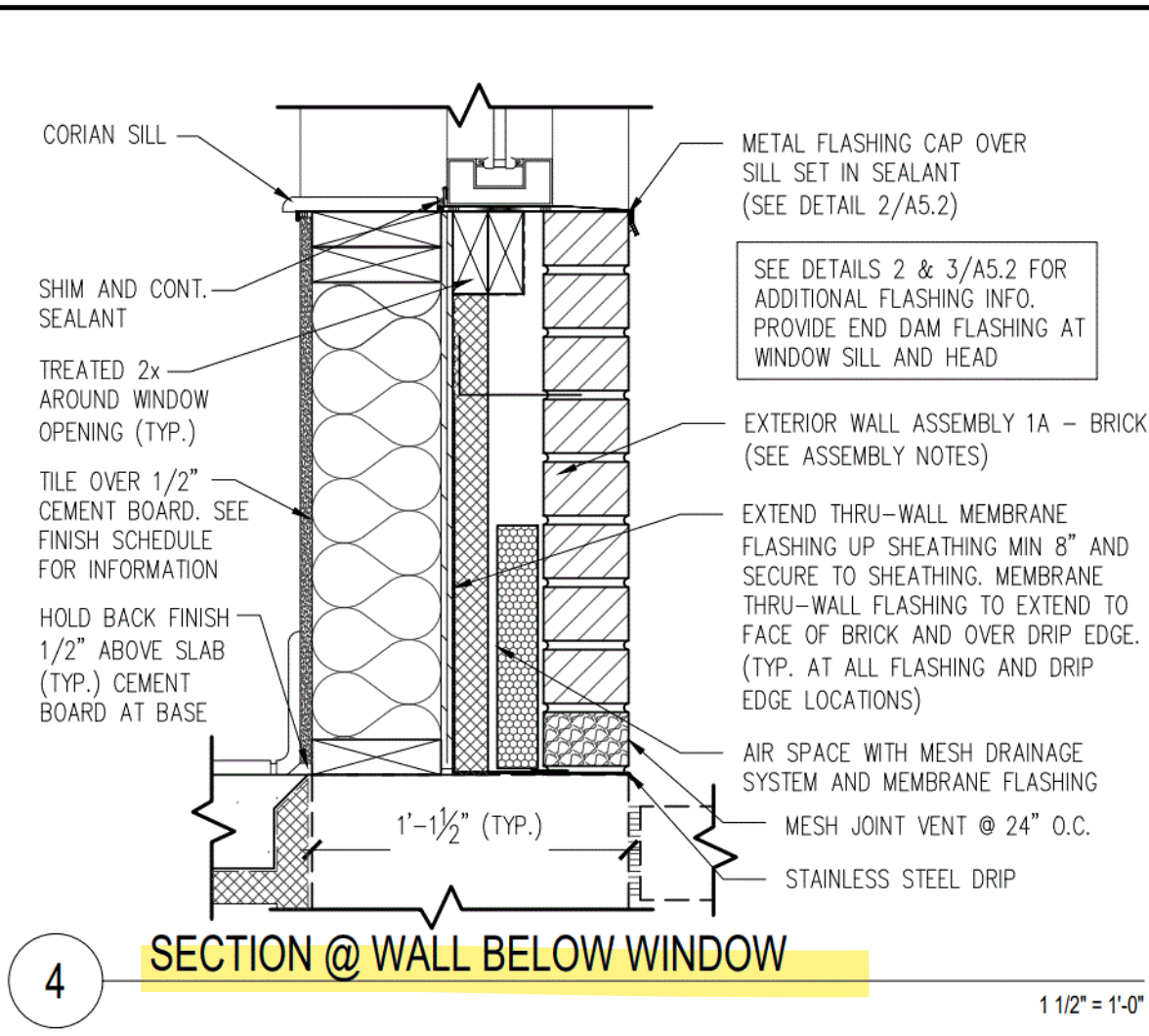
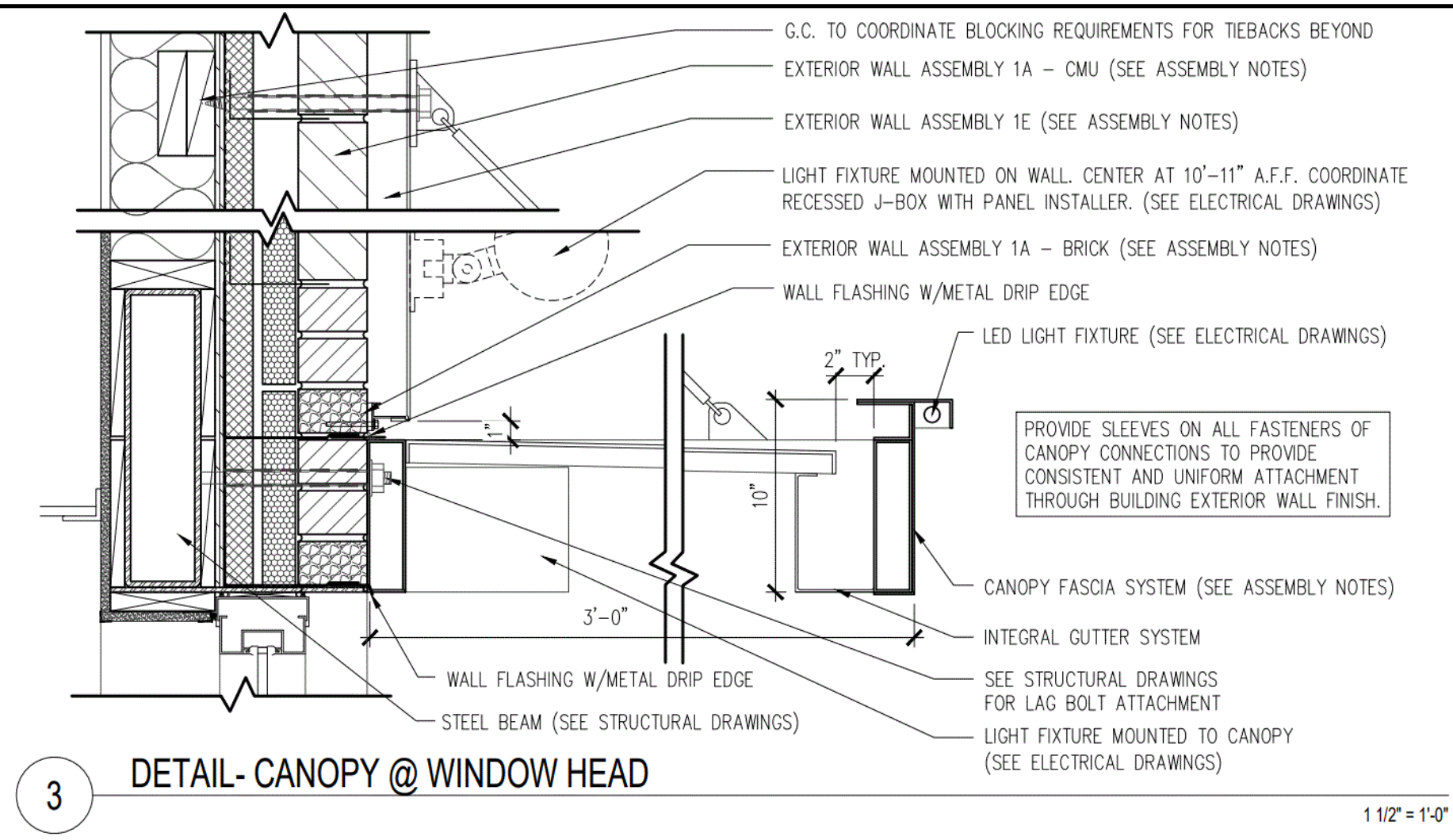
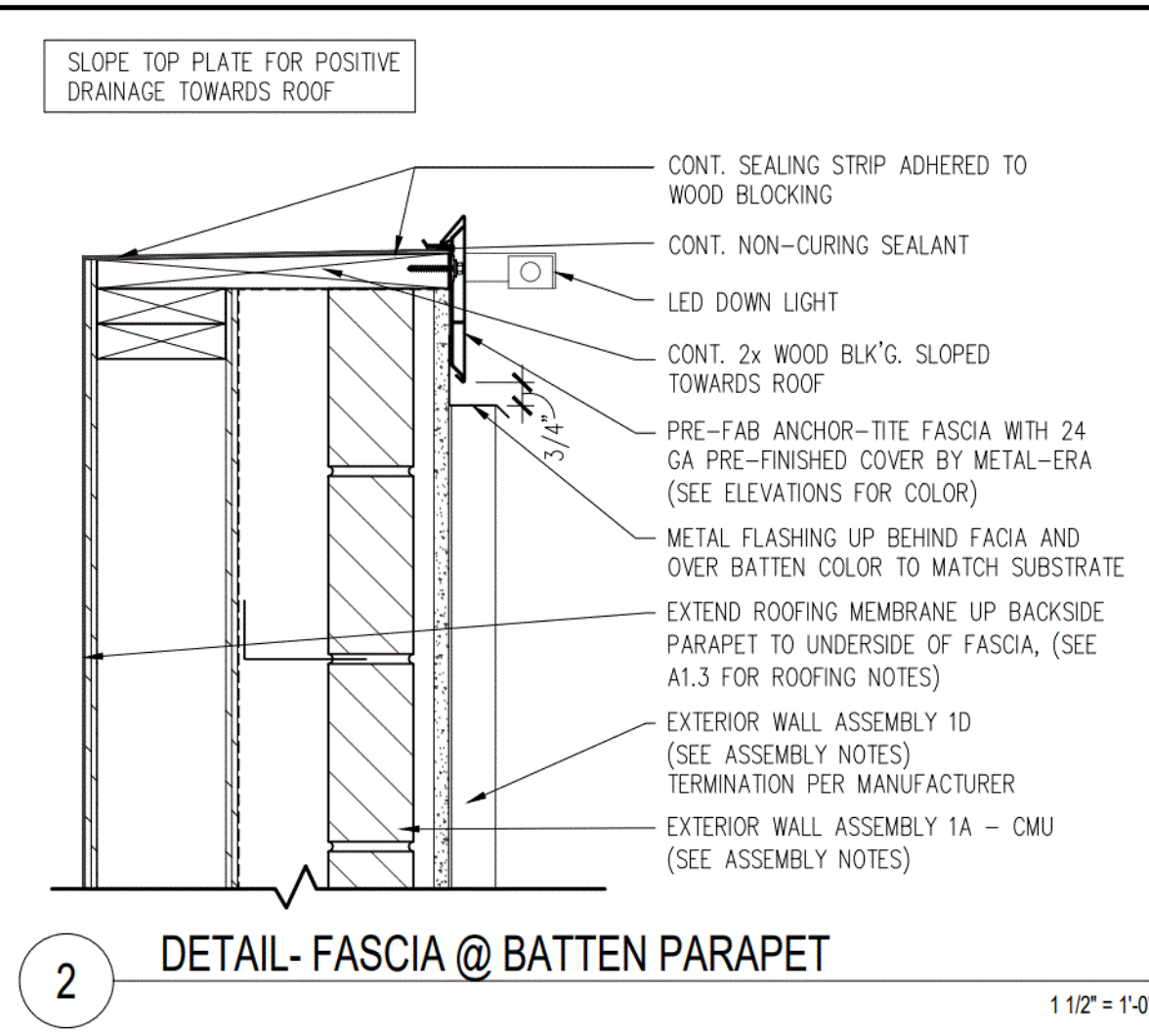
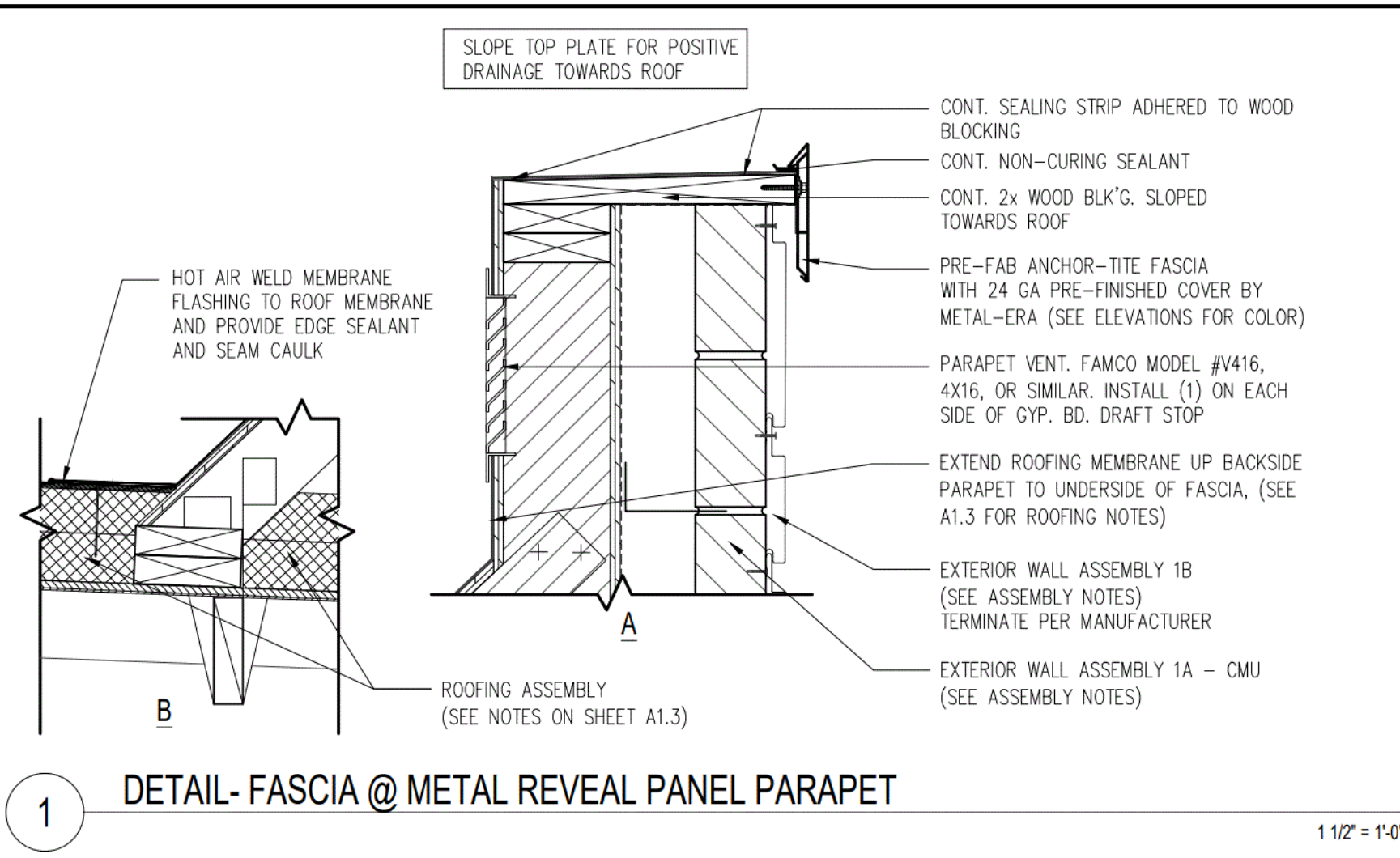
CLIENT

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ADDRESS
 9521 HAVER WAY
 INDIANAPOLIS, IN 46240

SHEET TITLE
 FINISH SCHEDULES

SHEET NUMBER:
A1.4.1



- EXTERIOR WINDOW ASSEMBLY**
(STOREFRONT & ENTRANCE SYSTEM)
- GLAZING REQ'S: U VALUE = 0.38 U VALUE "DOOR" = 0.63 SHGC = 0.40
1. DARK BRONZE ANODIZED ALUMINUM FRAME, THERMALLY BROKEN WITH HEAD RECEIVER CHANNEL.
 2. 1" TEMPERED INSULATED GLAZING.
 3. PROVIDE FLASHING AT HEAD & SILL - CONTINUOUS SEALANT.
 4. PROVIDE METAL CAP @ EXTERIOR BRICK SILL.
 5. 1/2" CORIAN SILL AT INTERIOR.

- CANOPY SYSTEM W/ FASCIA**
- CANOPY INFORMATION SHOWN IN CONSTRUCTION DOCUMENTS IS FOR DESIGN INTENT ONLY. APPROVED MANUFACTURERS SHALL PROVIDE A COMPLETE AND CODE COMPLIANT FINAL DESIGN. REFER TO ELEVATIONS FOR COLOR OF ELEMENTS.
1. CANOPY STRUCTURE/OUTRIGGERS: CONT. 2" x 8" PAINTED ALUM. TUBE. PROVIDE CLOSURE PIECE WHERE TUBE ENDS ARE EXPOSED.
 2. FASCIA: CONT. 10" PAINTED ALUM. W/ LED DOWN-LIGHT FIXTURE OVER CANOPY STRUCTURE.
 3. TIEBACKS: PAINTED ALUM. THREADED RODS BY MFR. LOCATIONS AS INDICATED ON ROOF PLAN. FINAL LOCATIONS AND QUANTITY SHALL BE AS INDICATED ON TRELIS INSTALLATION DRAWINGS.
 4. WHERE INDICATED ON ROOF PLAN, PROVIDE PAINTED ALUM. PANEL INFILL WITH INTEGRAL GUTTER AND SCUPPER TO MATCH OUTRIGGERS. PANEL TO PROVIDE POSITIVE SLOPE FOR DRAINAGE.
 5. SYSTEM SHALL ALLOW FOR MOVEMENT AT EXPANSION JOINTS AND FOR MOVEMENT OF EXTERIOR WALL SYSTEM ON WHICH THE CANOPY IS MOUNTED.
 6. STRUCTURAL ATTACHMENTS & LOAD CALCULATIONS SHALL BE FURNISHED BY CANOPY SYSTEM DESIGNER OF RECORD. SUPPLIER'S DESIGNER OF RECORD SHALL DESIGN PER PREVAILING CODES.
 7. CANOPY SYSTEM SHALL BE SELECTED FROM ONE OF THE SUPPLIERS LISTED BELOW.
 8. MANUFACTURER SHALL PROVIDE INSTALLER WITH INSTALLATION INSTRUCTIONS. MANUFACTURER SHALL DESIGN CANOPY IN ACCORDANCE WITH THE WALL SYSTEM AND BLOCKING AS INDICATED IN THE CONSTRUCTION DOCUMENTS.
 9. INSTALLER SHALL NOTIFY CANOPY DESIGNER OF RECORD, McDONALD'S A.C.M., G.C. AND ARCHITECT OF ANY DEFICIENCIES THAT WOULD NOT ALLOW FOR THE PROPER INSTALLATION OF THE CANOPY. CANOPY SHALL NOT BE INSTALLED UNTIL DEFICIENCIES HAVE BEEN CORRECTED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND THE CANOPY MANUFACTURER'S INSTALLATION INSTRUCTIONS.

- CANOPY SYSTEM BY:**
GREENHECK (715) 355-3942
www.greenheck.com
- WHITE FASCIA & LED LIGHTING BY:**
EVERBRITE (888) 857-4078
www.everbrite.com
- ALL-LITE (817) 509-2300**
www.alllite.com
- PERSONA (800) 843-9888**
www.personasigns.com

- FOUNDATION AND PERIMETER INSULATION**
1. SEE STRUCTURAL DRAWINGS FOR FOUNDATION AND SLAB DETAILS
 2. PROVIDE RIGID UNDER SLAB INSULATION AS FOLLOWS:
R-VALUE: R-10
• VERTICALLY FROM TOP OF FOOTING TO TOP OF SLAB.
• HORIZONTALLY FROM FOUNDATION WALL 2'-0" MIN.

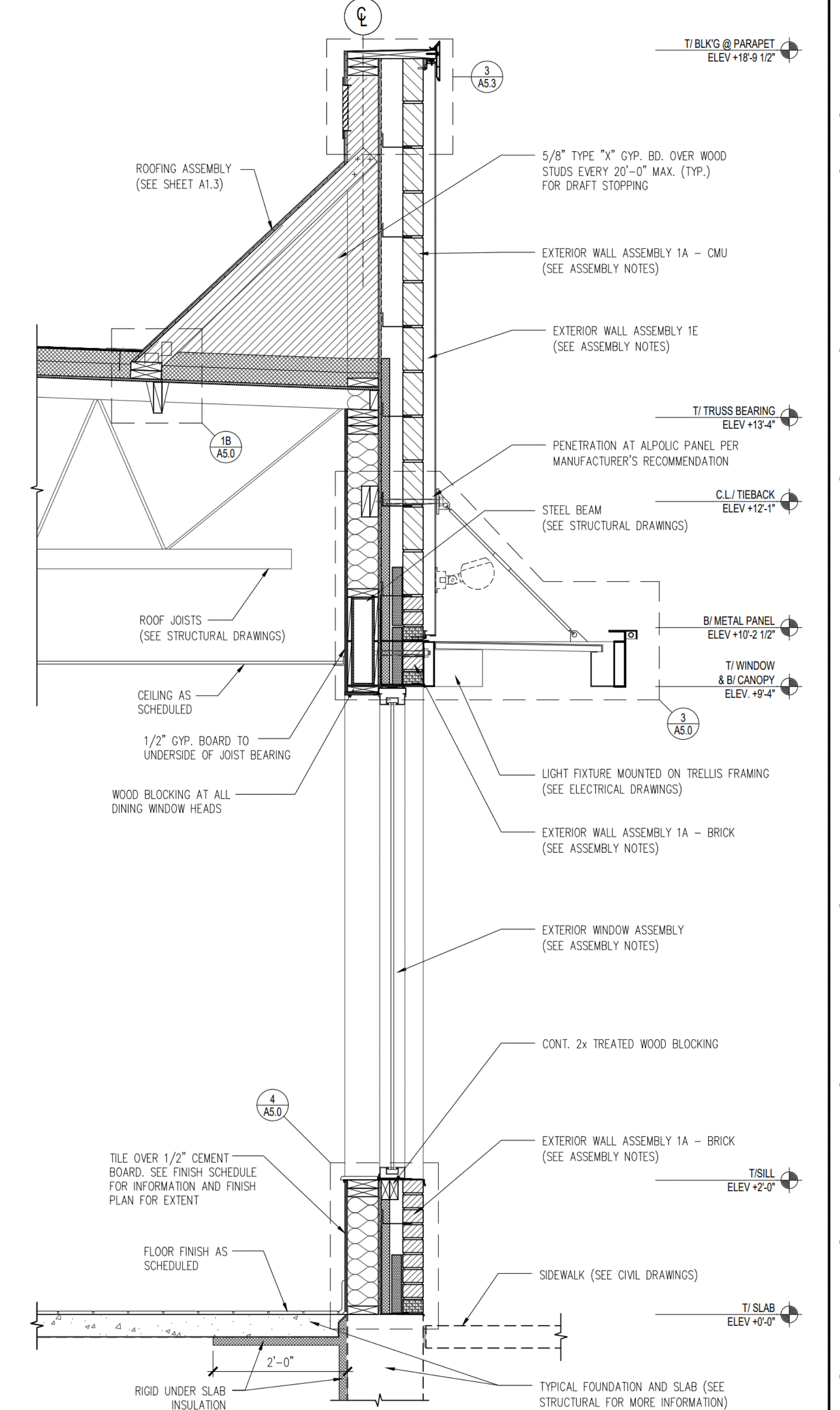
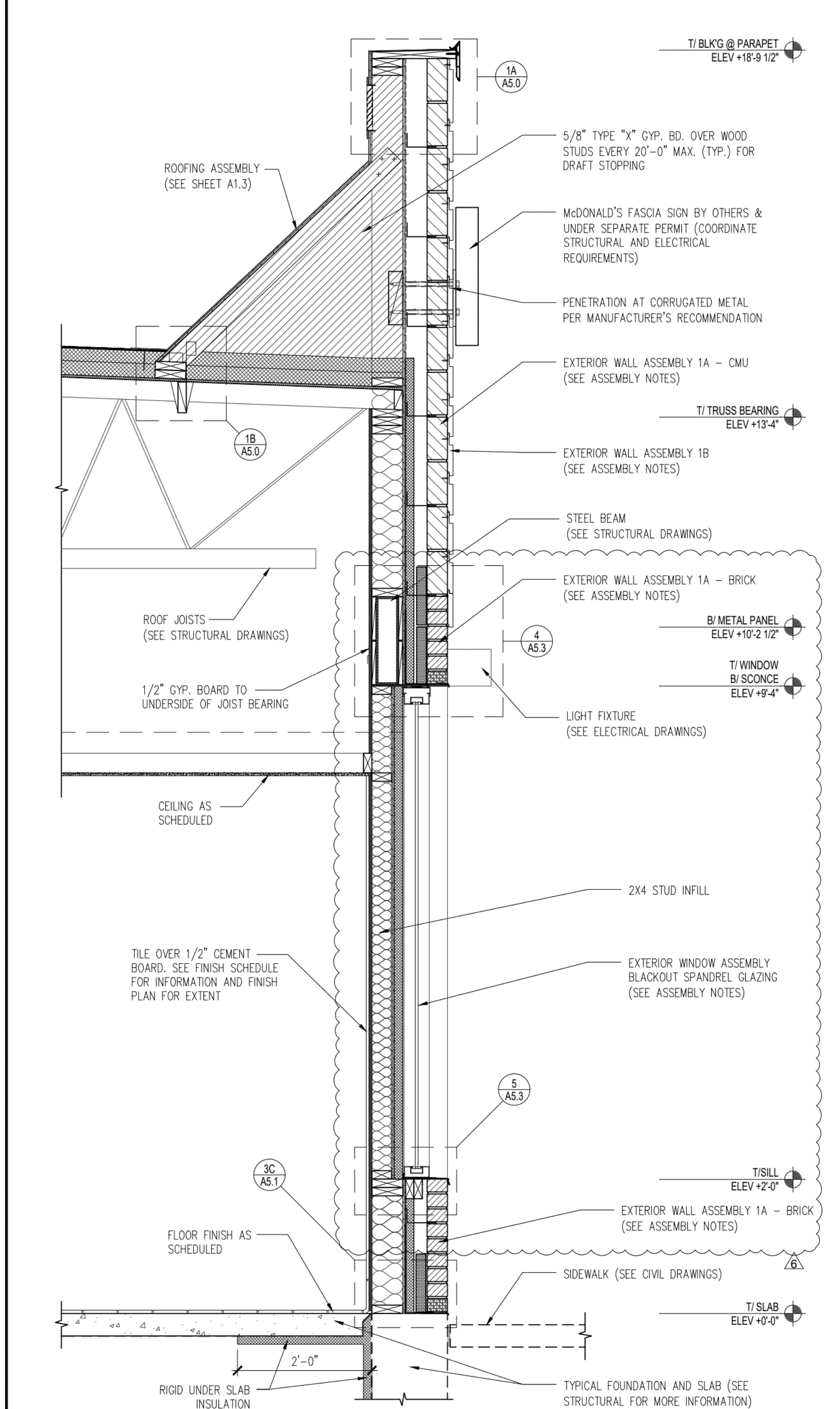
- EXTERIOR WALL ASSEMBLIES**
FROM EXTERIOR TO INTERIOR
- 1A. BRICK VENEER**
1. FULL HEIGHT MODULAR SIZE MASONRY, 4" BRICK VENEER (VISIBLE MASONRY) OR 4" CONCRETE BLOCK VENEER WITH INTEGRAL WATER REPELLENT (NON-VISIBLE), W/NON-CORROSIVE METAL TIES VERTICALLY & HORIZONTALLY PER STRUCTURAL. PROVIDE 10" HIGH MESH DOVETAIL CAVITY DRAINAGE SYSTEM. PROVIDE MESH WEEP VENT 24" O.C. AT ALL FLASHING LOCATIONS. MORTAR: S&W SILVERSTONE BY SPEC MIX OR EQ.
 2. AIR SPACE - SIZE VARIES ACCORDING TO OVERALL WALL WIDTH. AT TYP. WALL AIR SPACE IS 2 3/8" WIDE.

- 1B. METAL REVEAL WALL PANEL SYSTEM**
1. 7" REVEAL SYSTEM. PREFORMED 1" INTERLOCKING PANELS AND EDGE TRIM. INSTALL PER LOCAL CODES AND MFR'S SPEC'S.
a. CUTS MADE TO PANELS IN THE FIELD SHALL BE DONE WITH A "COLD CUT" PROCESS ONLY, I.E. POWER NIBBLER, HEAT OR FRICTION CUT WITH AN ABRASIVE OR BLADE SHALL NOT BE USED.
b. WHERE HORIZONTAL CUTS ALONG THE LENGTH OF THE PANEL ARE MADE, CARE SHOULD BE TAKEN TO MAKE THE CUTS AT THE TOP OF THE PANEL, WHERE IT IS CONCEALED BY THE FASCIA. VERTICAL CUTS ALONG THE HEIGHT OF THE PANEL SHALL BE CONCEALED UNDER TRIM.

- 1C. VERTICAL BATTEN SYSTEM - (WHEN ADJACENT TO ALPOLIC ACM PANEL, ASSEMBLY 1E)**
1. ALUMINUM BATTEN W/MOUNTING BACK RAIL. SIZE: 2" WIDE x 2" DEEP. REFER TO EXTERIOR ELEVATIONS FOR COLOR. INSTALL PER LOCAL CODES AND MANUFACTURER'S SPECIFICATIONS ON TERMINATION AND INSTALLATION DETAILS. BY SUPPLIER. GC INSTALL.
 2. 1/2" EXTERIOR HIGH DENSITY OVERLAY (HDO) PLYWOOD, BB, GROUP 1. HDO BOTH FACES. APA TRADEMARKED. SAND WITH COURSE GRIT ALL SURFACES PRIOR TO PRIMING. PRIME AND PAINT BOTH SIDES AND ALL EDGES. BY GC, INSTALL BY GC.
 3. 1.75" - 0.125 ALUMINUM CHANNEL
 4. OVER WALL ASSEMBLY 1A

- 1D. VERTICAL BATTEN SYSTEM - (TYPICAL)**
1. ALUMINUM BATTEN W/MOUNTING BACK RAIL. SIZE: 2" WIDE x 2" DEEP. REFER TO EXTERIOR ELEVATIONS FOR COLOR. INSTALL PER LOCAL CODES AND MANUFACTURER'S SPECIFICATIONS ON TERMINATION AND INSTALLATION DETAILS. BY SUPPLIER. GC INSTALL.
 2. 1/2" EXTERIOR HIGH DENSITY OVERLAY (HDO) PLYWOOD, BB, GROUP 1. HDO BOTH FACES. APA TRADEMARKED. SAND WITH COURSE GRIT ALL SURFACES PRIOR TO PRIMING. PRIME AND PAINT BOTH SIDES AND ALL EDGES. BY GC, INSTALL BY GC.
 3. 1" - 0.125 ALUMINUM CHANNEL
 4. OVER WALL ASSEMBLY 1A

- 1E. ALPOLIC ACM PANEL**
1. 4MM PE CORE ALPOLIC METAL PANEL (4CASM-BJ CLIP SYSTEM). SEE ELEVATIONS FOR COLOR. PROVIDE MFG. SHOP DRAWINGS TO ARCHITECT FOR REVIEW. ALPOLIC DAVID KEARNEY 757-286-1005 david.kearney@m-chem.com
 2. OVER WALL ASSEMBLY 1A
 3. PERMEABLE BUILDING WRAP. INSTALL PER LOCAL CODES AND MFR'S SPEC'S.
 4. 1/2" EXTERIOR GRADE PLYWOOD.
 5. 2x6 WOOD STUD FRAMING @ 16" O.C. (WITH CONTINUOUS DRAFTSTOP/FIRESTOP BLOCKING AT FINISH CEILING LEVEL).
 6. UNFACED BATT INSULATION (R VALUE = 13).
 7. "CERTAINTED MEMBRAN" SMART VAPOR RETARDER (SEMI-VAPOR PERMEABLE) BY CERTAINTED OR EQUAL.
 8. 1/2" CEMENT BOARD SUBSTRATE FOR ALL TILE LOCATIONS. (TYP.) NON TILE LOCATIONS: 1/2" GYPSUM BOARD TO EXTEND TO DECK ABOVE. UNLESS NOTED OTHERWISE. ALL GYP. BOARD MUST SCORE 10 PER ASTM D3273. REFERENCE CURRENT PROJECT MANUAL.
 9. SEE A1.0 & ROOM FINISH SCHEDULE FOR ADDITIONAL SUBSTRATE INFORMATION.



5 WALL ASSEMBLY NOTES

6 WALL SECTION - RESTROOM (NON-DT SIDE)

7 WALL SECTION - DINING (NON-DT SIDE)

LINGLE DESIGN GROUP, INC.
158 WEST MAIN STREET
LENA, IL 61048
815.369.9155

1860 W. EVANS AVE.
ENGLEWOOD, CO 80110
303.974.5873

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REGISTERED ARCHITECT
STATE OF INDIANA
AR11100085

10/13/23

STATE ID: 131246	NATIONAL #: 40669
PROJECT #: 23-287	DATE: 10/13/23
DRAWN BY: RP	CHECKED BY: JK

REVISIONS

10/13/23 - RE-DRAW NEW PROTOTYPE
11/15/23 - QC COMMENTS & PROTO UPDATES
01/02/24 - QC COMMENTS
01/30/24 - CITY COMMENTS
02/16/24 - ELECTRICAL MARK-UPS
03/11/24 - CITY COMMENTS

CLIENT

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ADDRESS

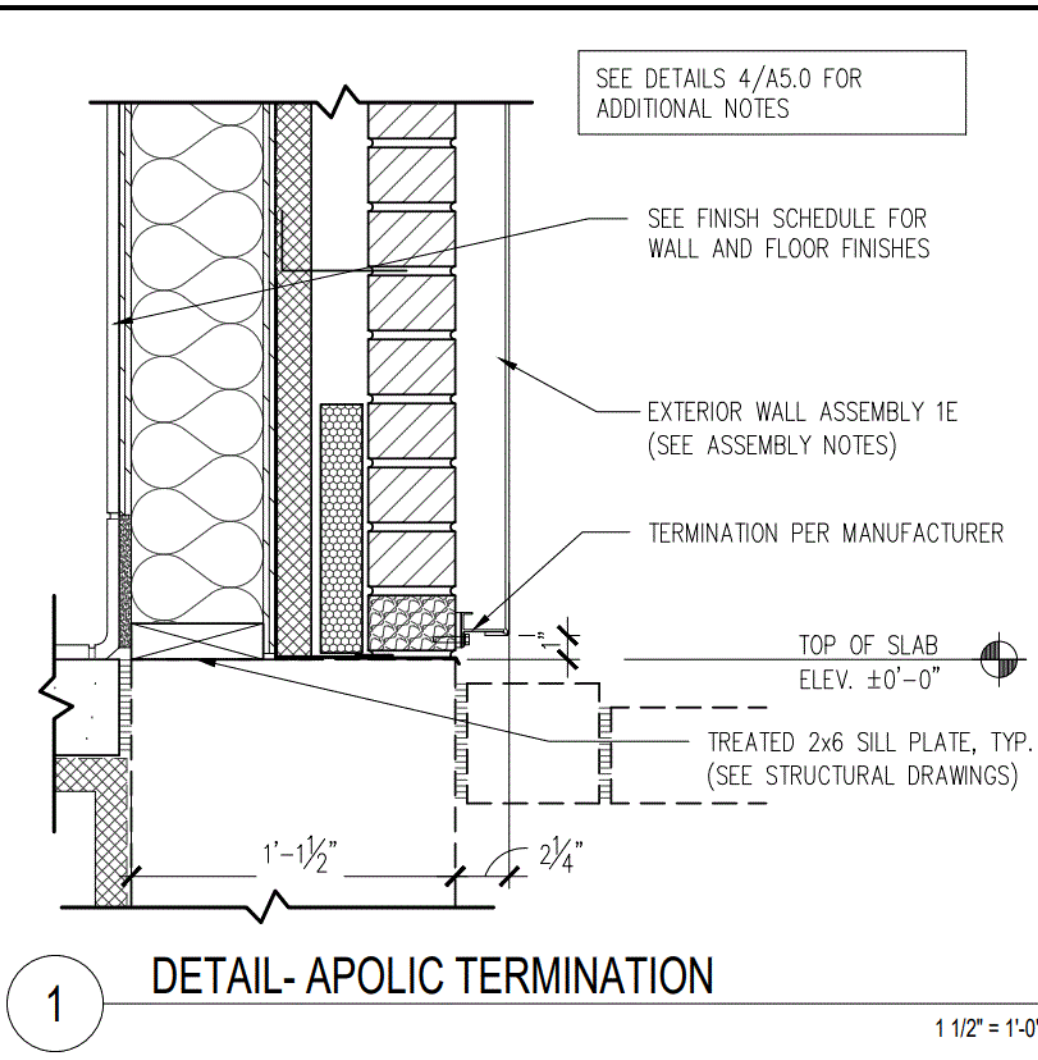
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INDIANAPOLIS, IN 46240

SHEET TITLE

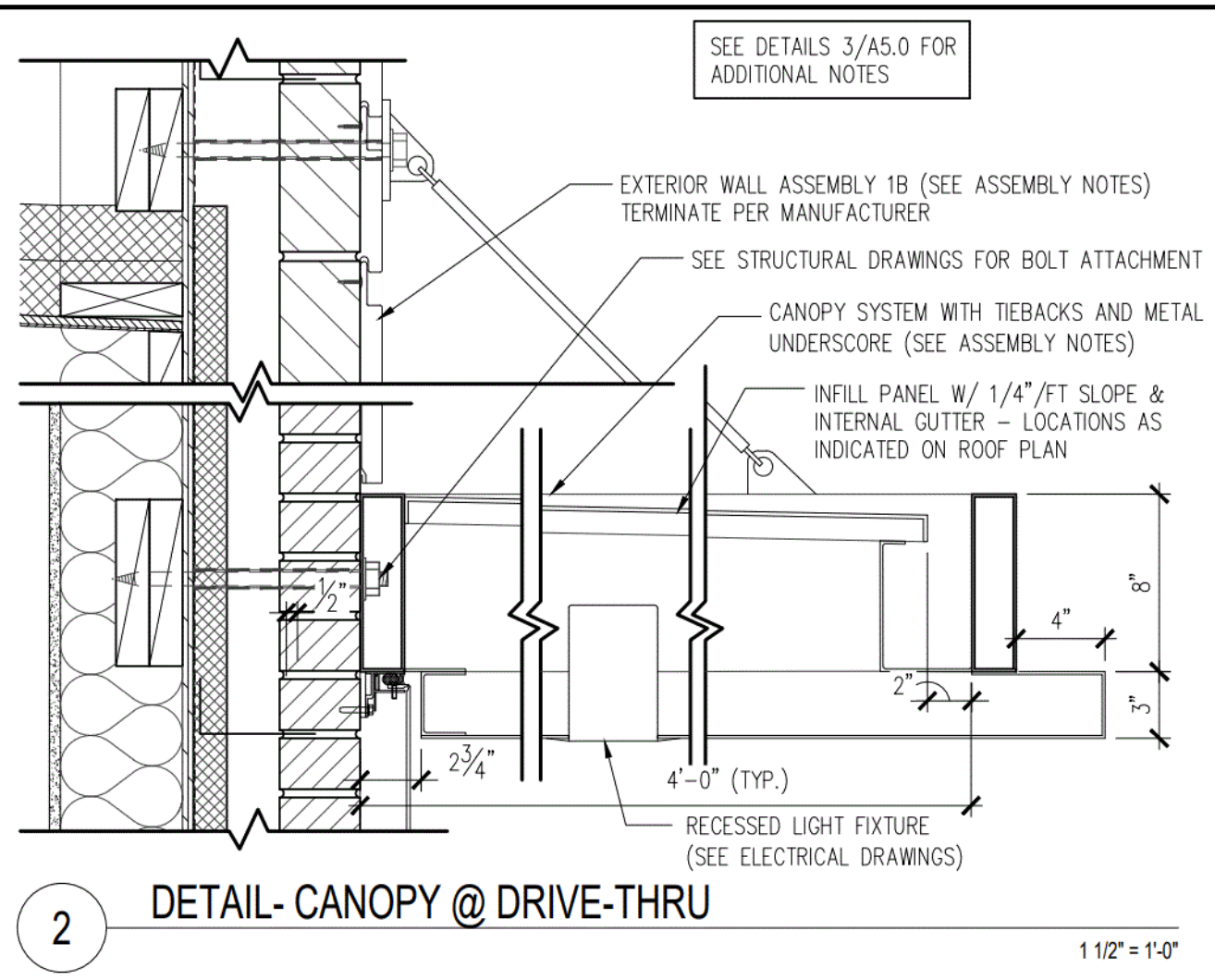
WALL SECTIONS AND DETAILS

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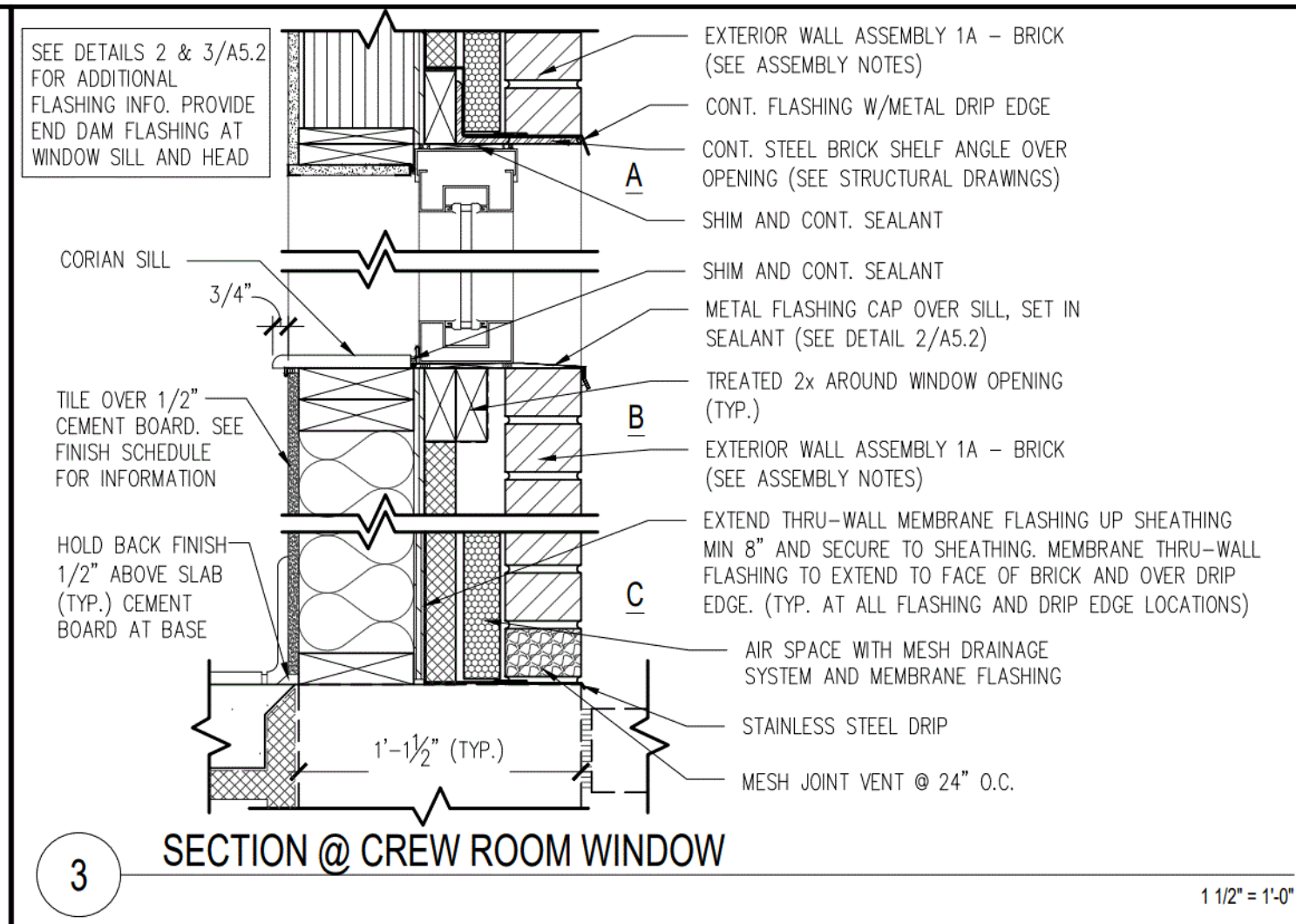
A5.0



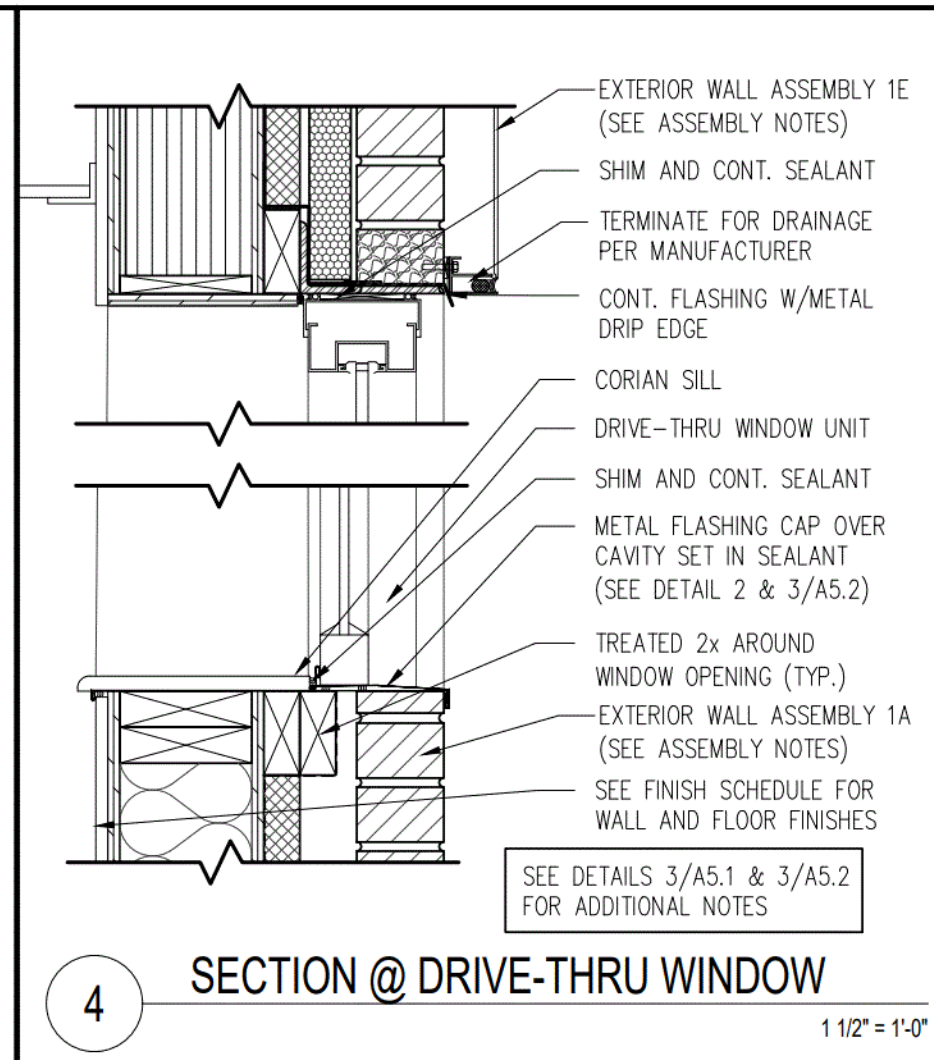
1 DETAIL-APOLIC TERMINATION



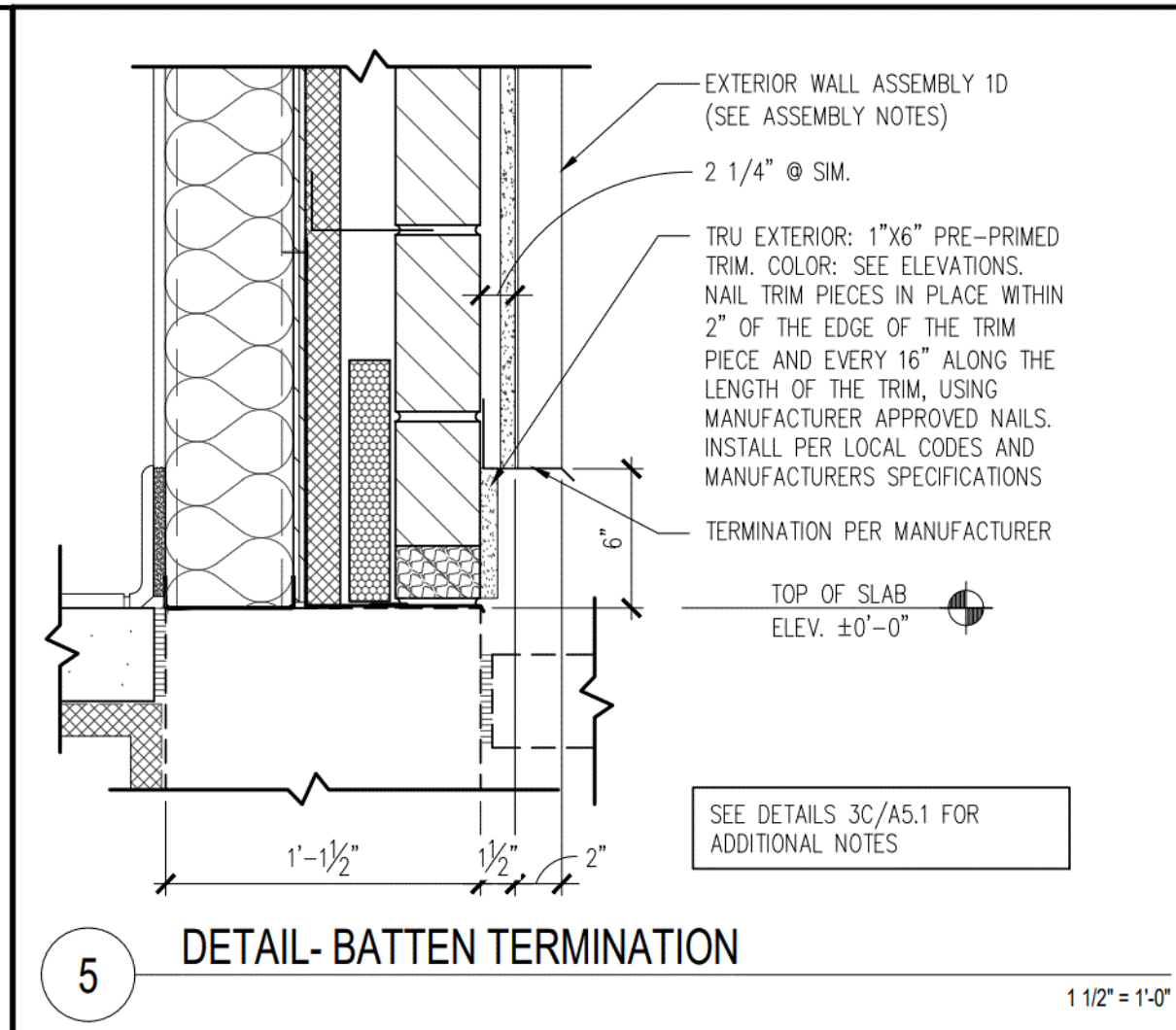
2 DETAIL-CANOPY @ DRIVE-THRU



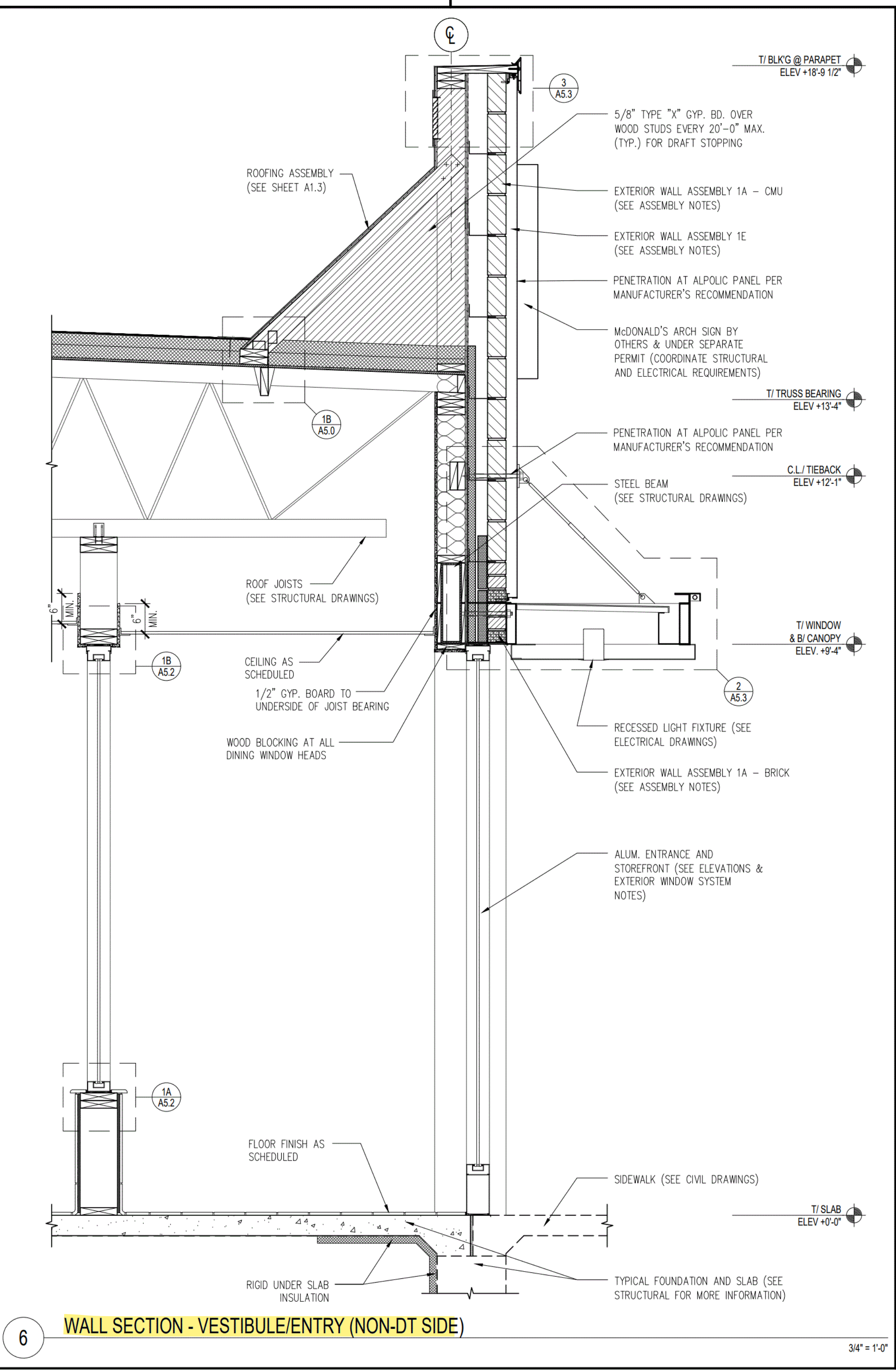
3 SECTION @ CREW ROOM WINDOW



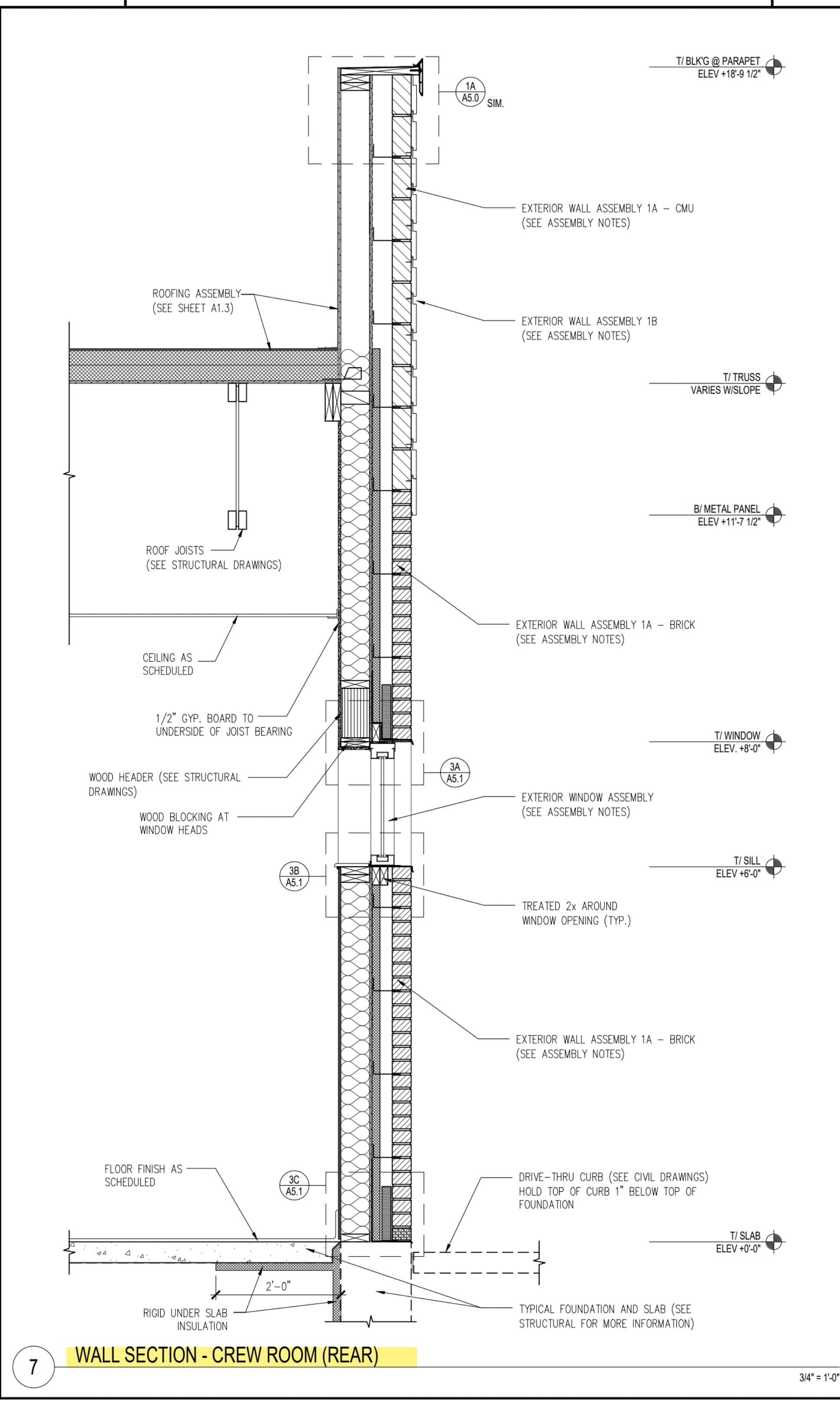
4 SECTION @ DRIVE-THRU WINDOW



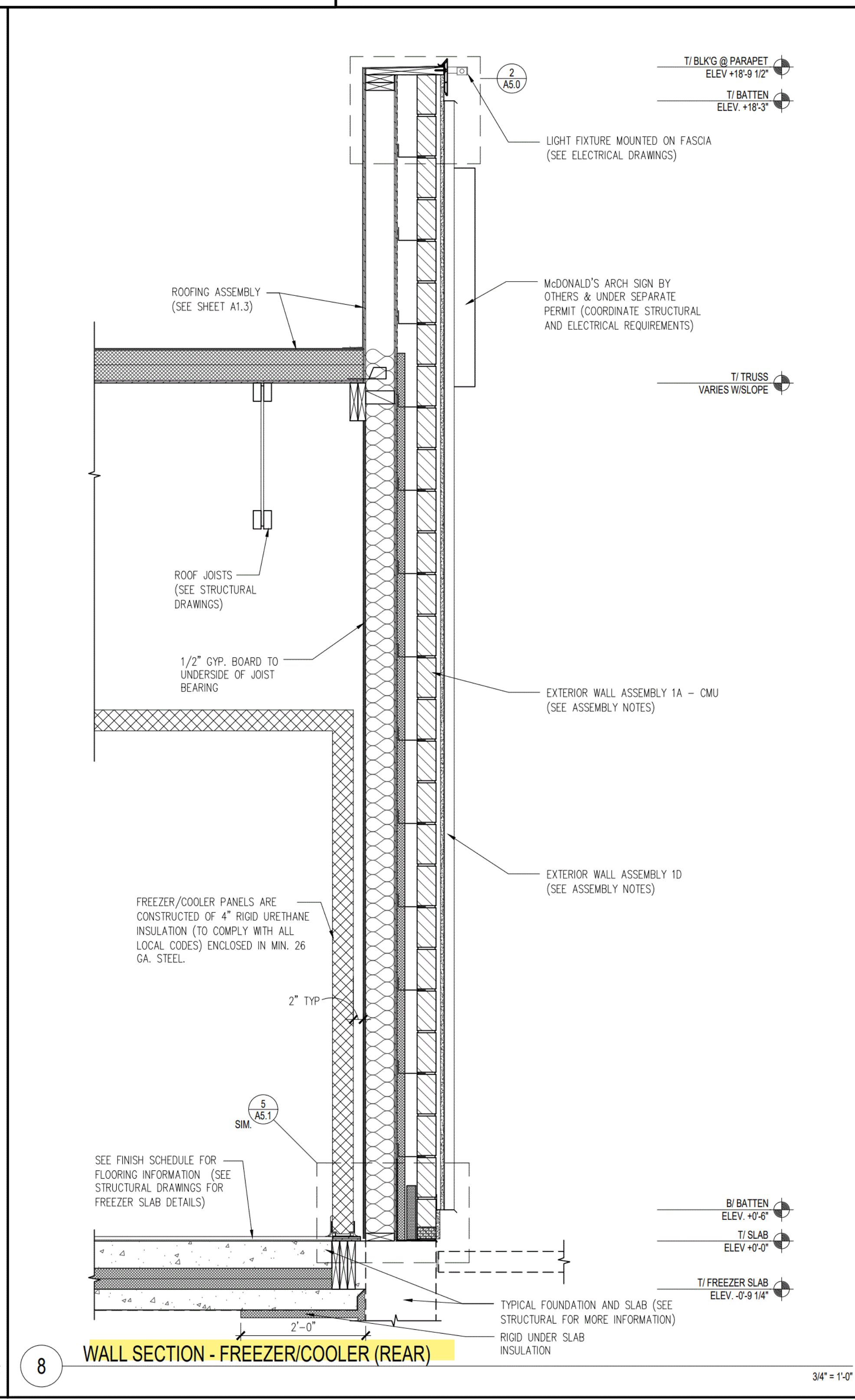
5 DETAIL-BATTEN TERMINATION



6 WALL SECTION - VESTIBULE/ENTRY (NON-DT SIDE)



7 WALL SECTION - CREW ROOM (REAR)



8 WALL SECTION - FREEZER/COOLER (REAR)



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REVISIONS	
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3	01/02/24 - QC COMMENTS
4	01/30/24 - CITY COMMENTS
5	02/16/24 - ELECTRICAL MARK-UPS
6	03/11/24 - CITY COMMENTS

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INDIANAPOLIS, IN 46240

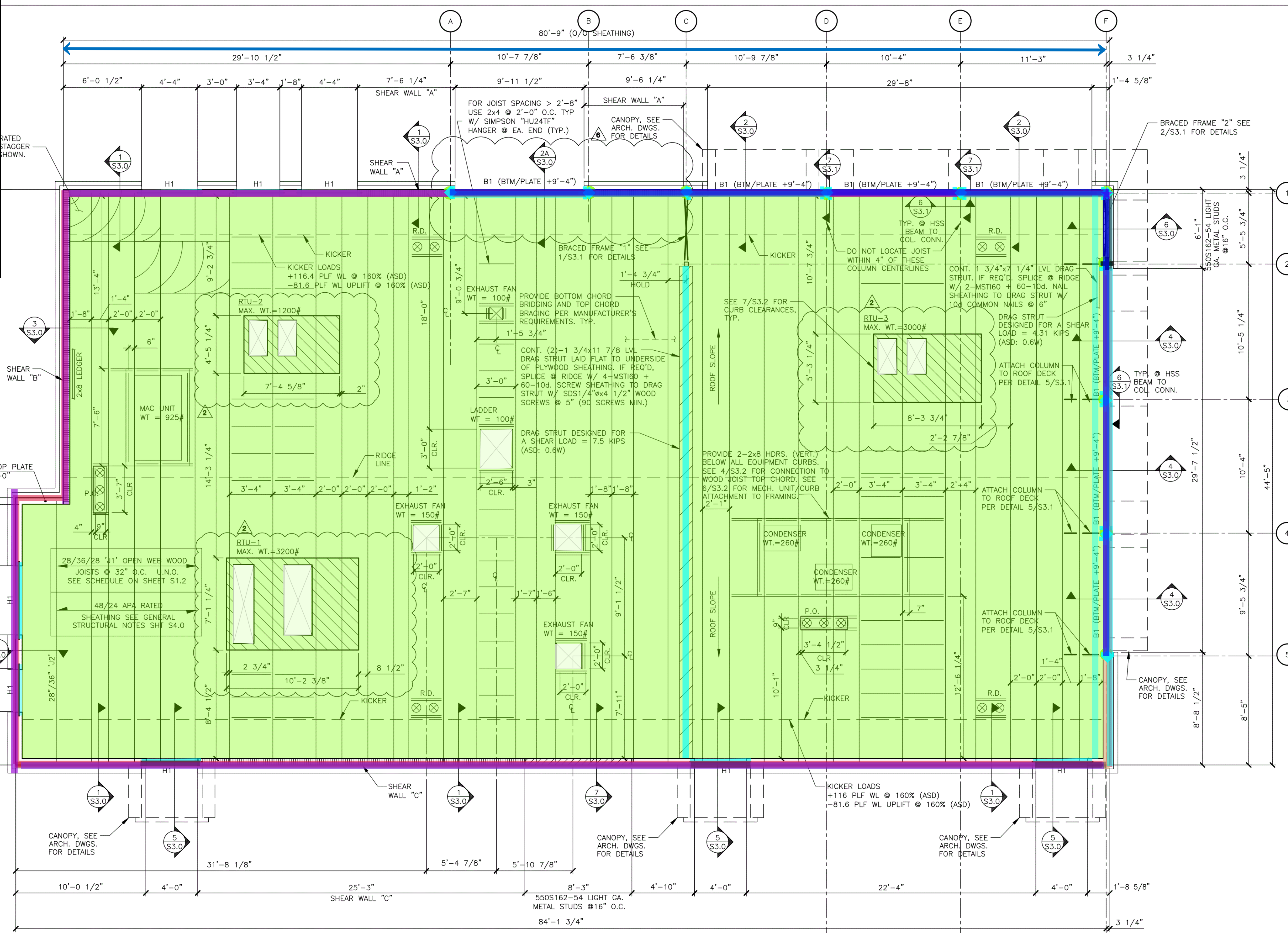
SHEET TITLE

WALL SECTIONS AND DETAILS

SHEET NUMBER:

A5.1

Type	Color	Takeoff	Qty	UOM
Header	Blue	Header	37.54	LF
Beam	Red	Beam	72.11	LF
Column	Green	Column	10	EA
3/4" APA Rated Sheathing	Light Blue	3/4" APA Rated Sheathing	3504.92	SOFT
Beam Plate	Yellow	Beam Plate	14	EA
Drag Strut 7.5kips	Orange	Drag Strut 7.5kips	38.11	LF
(3) 2"6 Plate	Red	(3) 2"6 Plate	164.31	LF
(2) 2"6 Plate @ Parapet	Red	(2) 2"6 Plate @ Parapet	257.87	LF
Drag Strut 4.31 kips	Orange	Drag Strut 4.31 kips	43.71	LF
2"8 Ldgr	Purple	2"8 Ldgr	46.43	LF
3"6 Blocking	Orange	3"6 Blocking	38.67	LF
3"8 Blocking @ Parapet	Orange	3"8 Blocking @ Parapet	124.08	LF
3"8 Blocking @ Wall Studs	Orange	3"8 Blocking @ Wall Studs	85.25	LF
3"10 Blocking	Orange	3"10 Blocking	20.83	LF
Plate welded to hss @ braced frm	Blue	Plate welded to hss @ braced frm	10	EA
2-2"12 Plate	Blue	2-2"12 Plate	86.8	LF
Lshaped Plate	Blue	Lshaped Plate	1	EA
LongPlate	Blue	LongPlate	1	EA



- INDICATES FRAME SHEAR WALL. SEE S3.2 FOR SHEAR WALL INFORMATION
- INDICATES METAL STUD FRAME WALL. SEE 7/S3.0 FOR DETAILS.
- INDICATES ALLOWABLE RTU PLACEMENT ZONE. RTU VENDOR/SUPPLIER, MODEL AND WEIGHTS SHALL BE VERIFIED PRIOR TO INSTALLATION FOR COORDINATION AND FINAL TRUSS DESIGN VERIFICATION. G.C. TO PROVIDE (2)-2x8 HDRS. BELOW RTU CURBS PER DETAIL 4/S3.2 AND COORDINATE LOCATIONS WITH MANUFACTURER CURB SPECIFICATIONS.
- INDICATES RTU SUPPLY/RETURN ROOF DECK PENETRATIONS. G.C. TO PROVIDE (2)-2x8 HDRS. AT PERIMETER OF ALL PENETRATIONS/OPENINGS PER DETAIL 4/S3.2 AND COORDINATE EXTENT WITH MANUFACTURER SPECIFICATIONS.

- NOTES:
- SEE SHEET S4.0 FOR GENERAL STRUCTURAL NOTES.
 - R.D.: ROOF DRAINS
 - P.O.: ROOF CURB PORTAL OPENING - COORDINATE WITH MECHANICAL DRAWINGS.
 - WHEN TOP PLATES ARE NOT CONTINUOUS, USE SIMPSON "RPS22" TIE FOR NOTCH < 5 1/2", USE SIMPSON "RPS28" TIES FOR NOTCH < 12", W/ 16d NAILS INTO TOP PLATE ENDS. (MAX. SPACING BETWEEN STUDS = 16" O.C.)
 - TOP PLATE SPLICE SHALL BE MINIMUM LENGTH OF 48" WITH 2 ROWS (2 1/2" APART) OF 22-16d COMMON NAILS SPACED @ 2" ON CENTER (44 TOTAL).
 - SEE 5/S3.2 FOR SNOW DRIFT DIAGRAM.

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

NOTE TO CONTRACTOR:
ANY SPRINKLER LINES GREATER THAN 3" DIAMETER SHALL BE VERIFIED BY THE SPRINKLER CONTRACTOR PRIOR TO TRUSS FABRICATION.

BEAM SCHEDULE				
MARK	MEMBER	SHAPE	SUPPORT	REMARKS
B1	HSS16x4x1/4 LLV + 1/4" PLATE	□	1/2" END PLATE	SEE DETAIL 6/S3.1

HEADER SCHEDULE			
MARK	MEMBER	SHAPE	BEARING
H1	5 1/4"x9 1/2" LVL	⊠	SEE DETAIL 2/S3.2

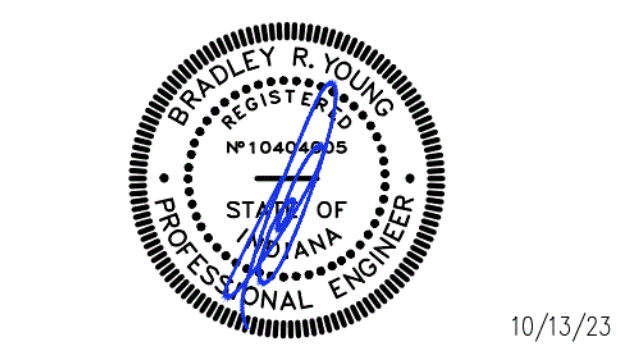
JOIST SCHEDULE			
MARK	LIVE/ROOF SNOW LOAD	DEPTH	MANUFACTURER & SERIES
J1	25/20	28"/36"/28"	REDBUILT "RED-S"
J2	25/20	28"/36"	REDBUILT "RED-S"

NOTE: SEE DETAIL 4/S3.2 FOR JOIST DETAILS AND SUPPLIER INFORMATION



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CLAYTON, CALIFORNIA 95612
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BYA JOB #: 23521
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DRAWN BY: KS CHECKED BY: TT

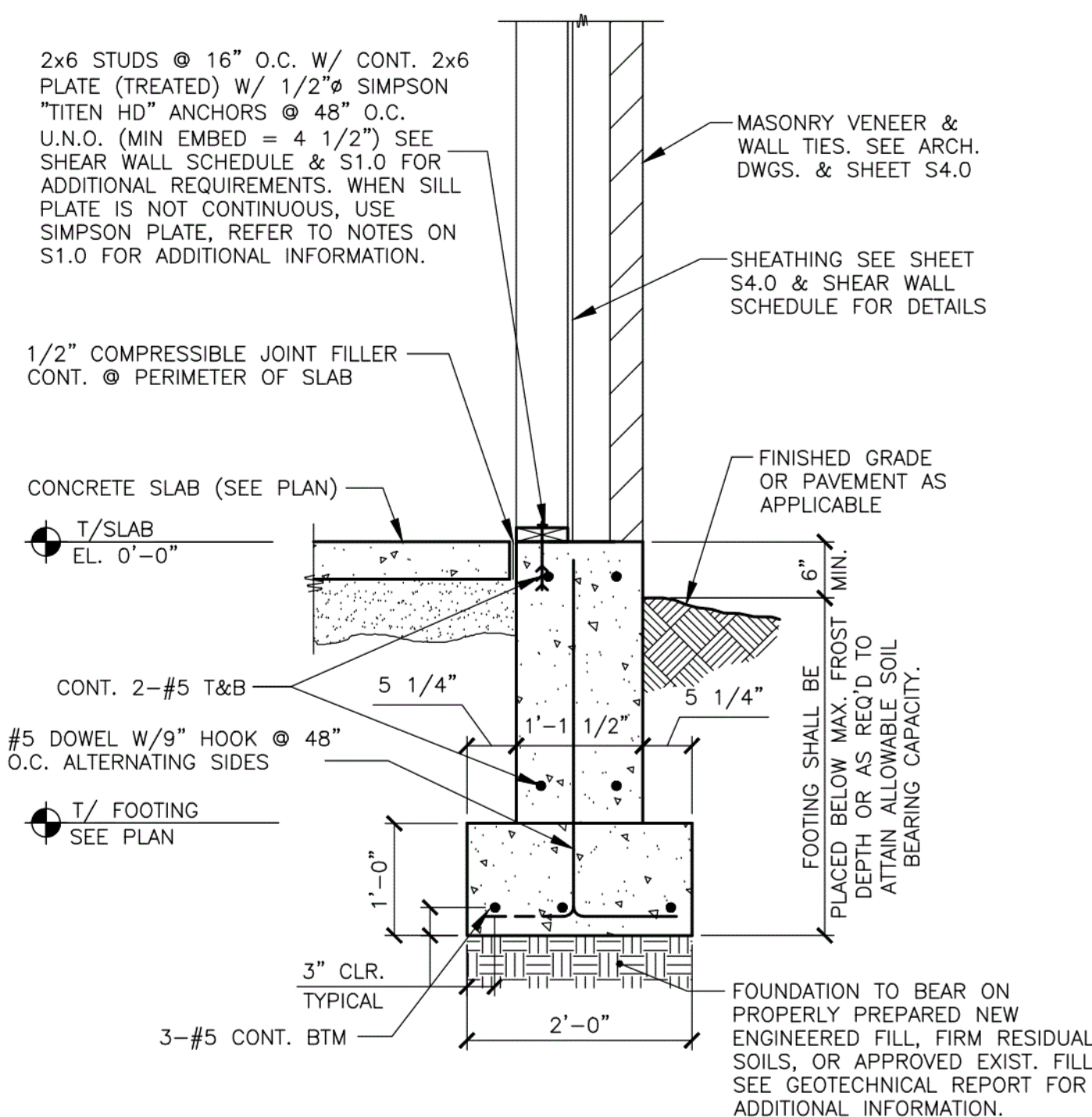
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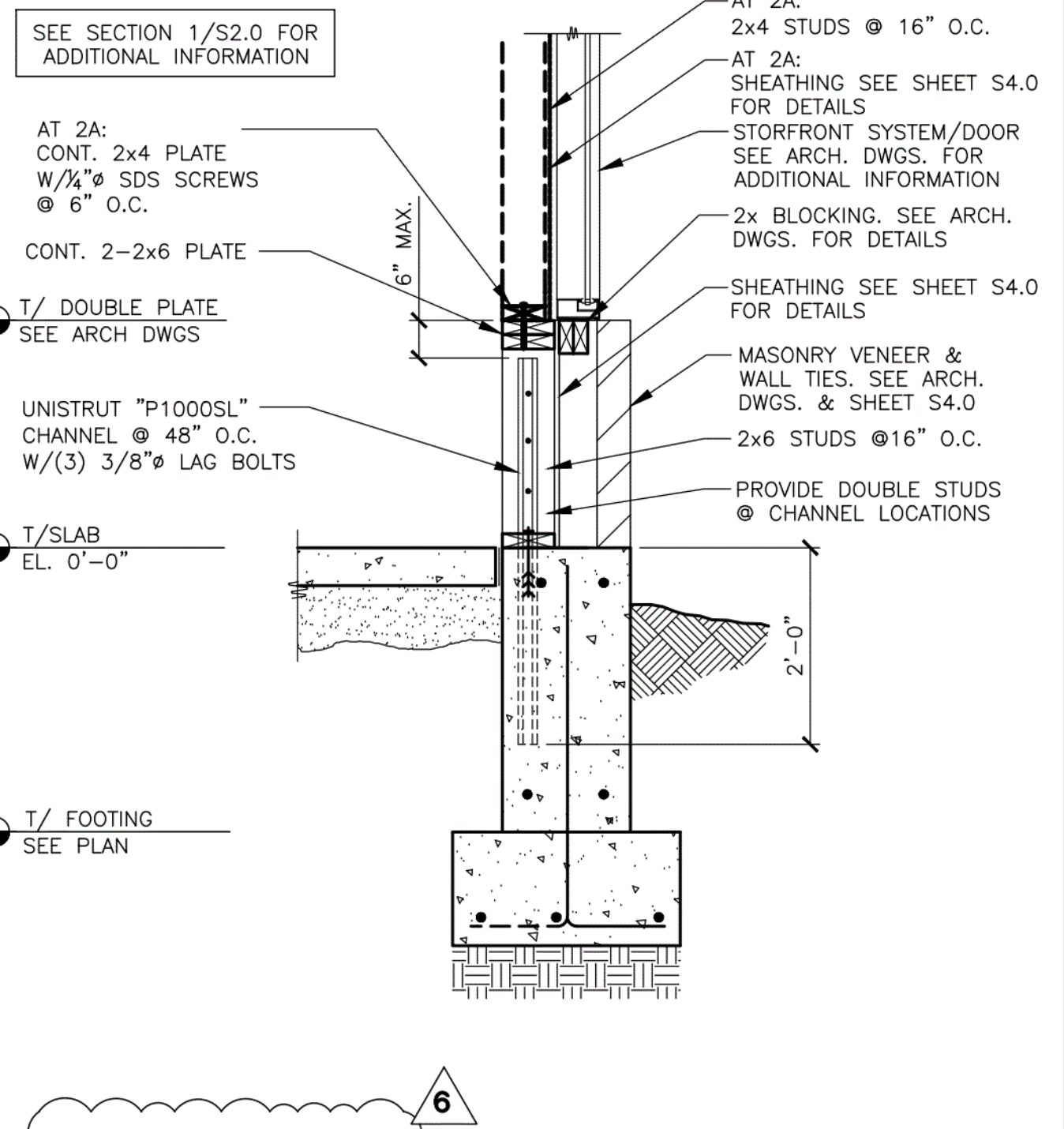
ADDRESS
9521 HAVER WAY
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SHEET TITLE
FRAMING PLAN

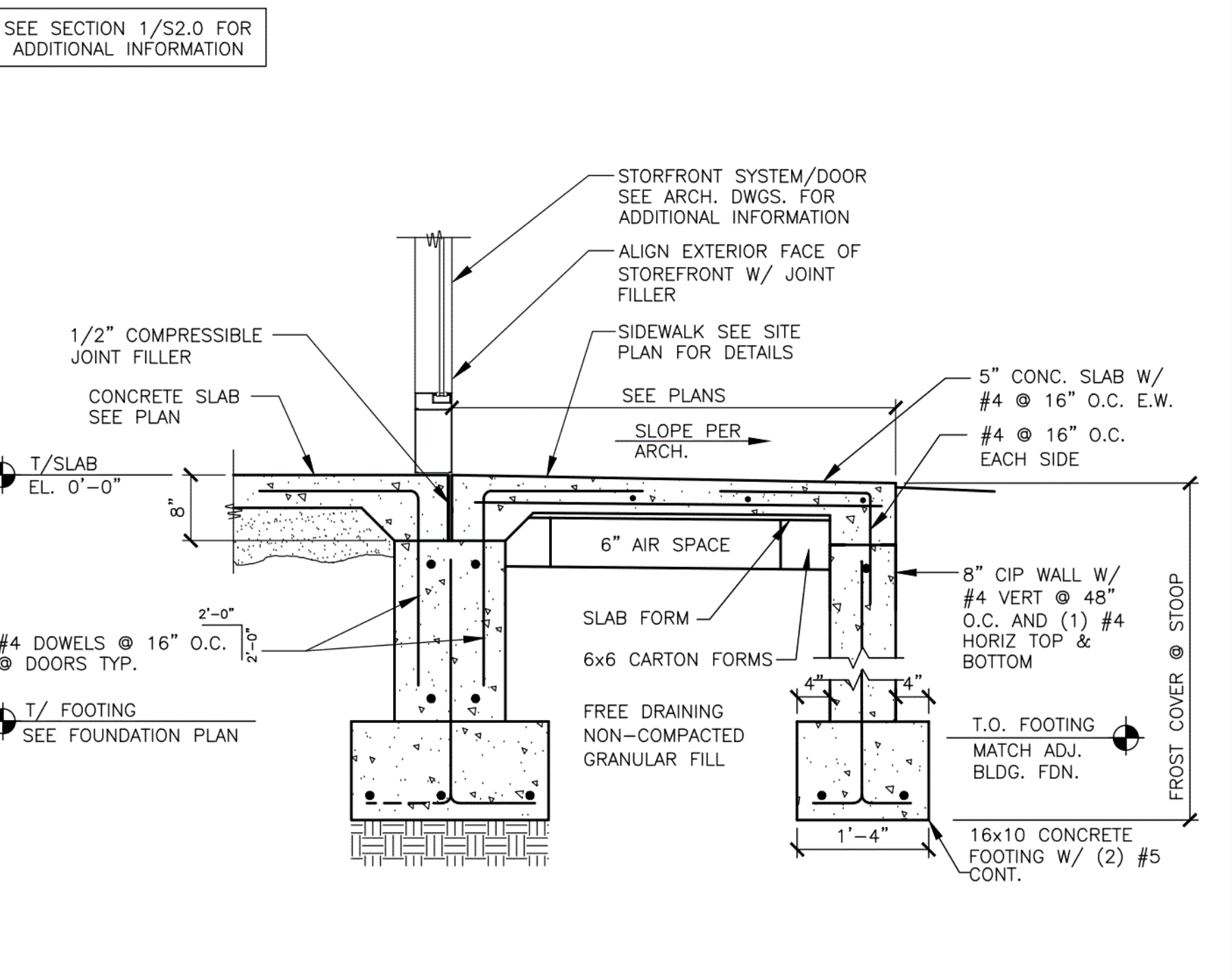
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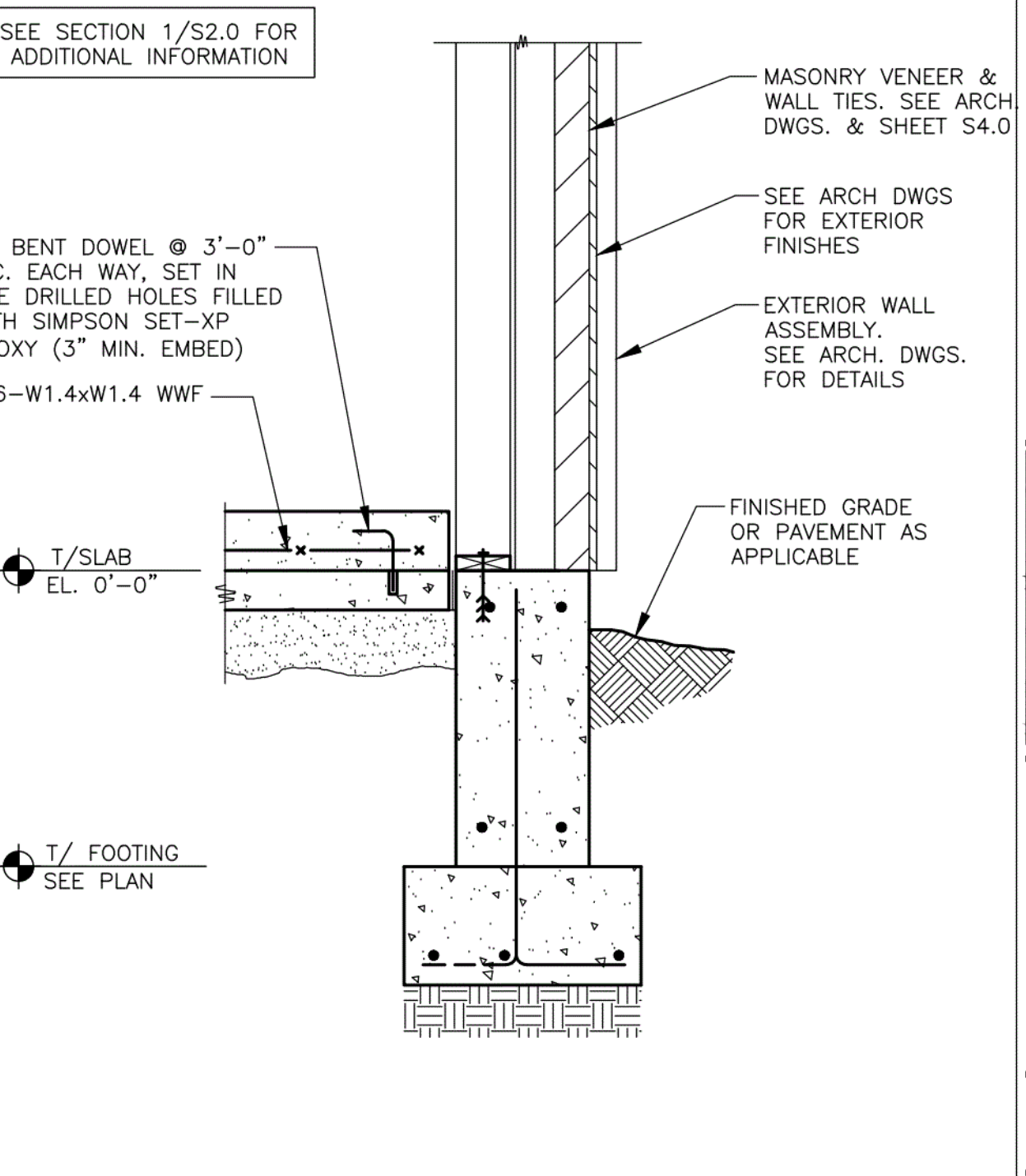
1 SECTION
S2.0 3/4" = 1'-0"



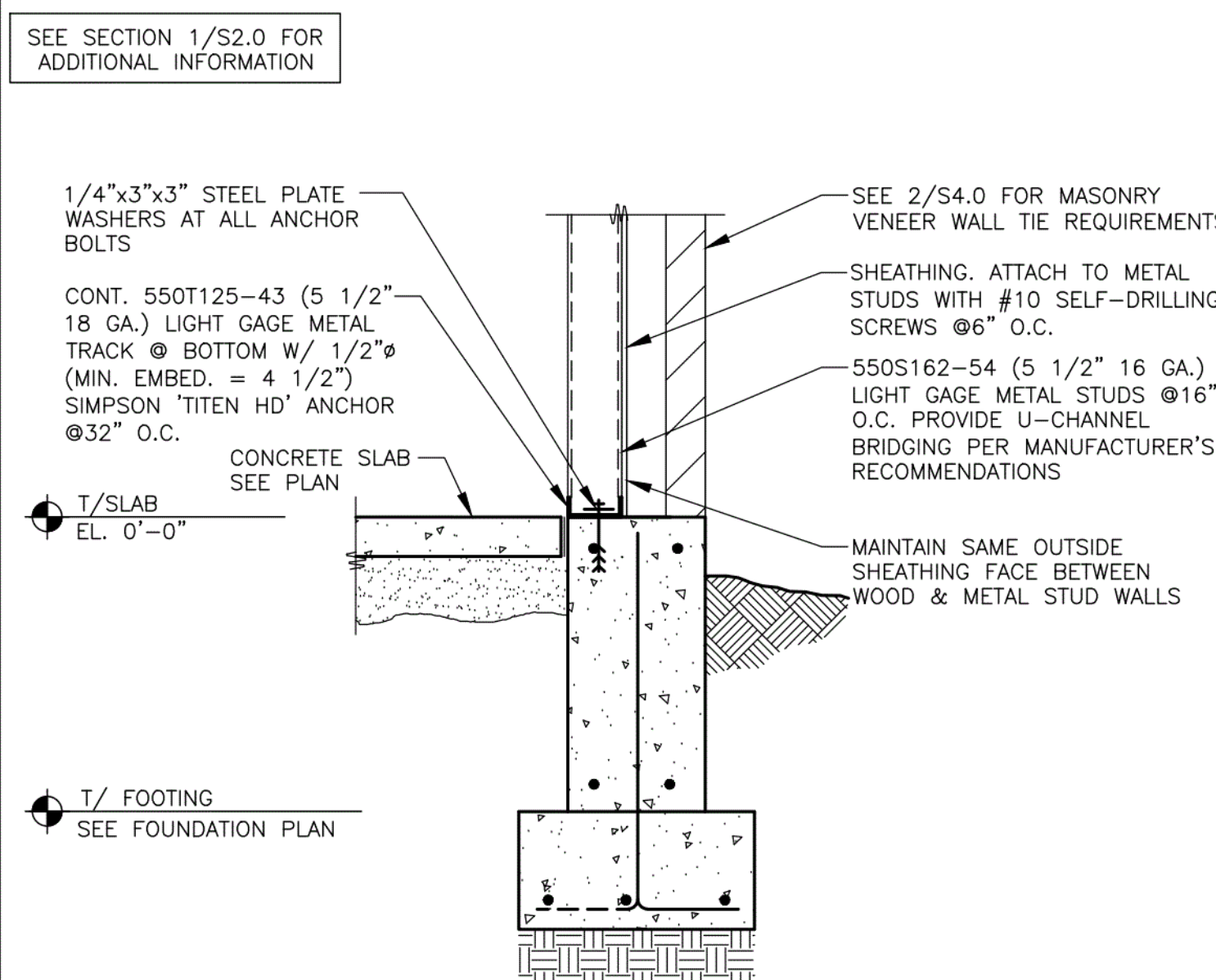
2/2A SECTION
S2.0 3/4" = 1'-0"



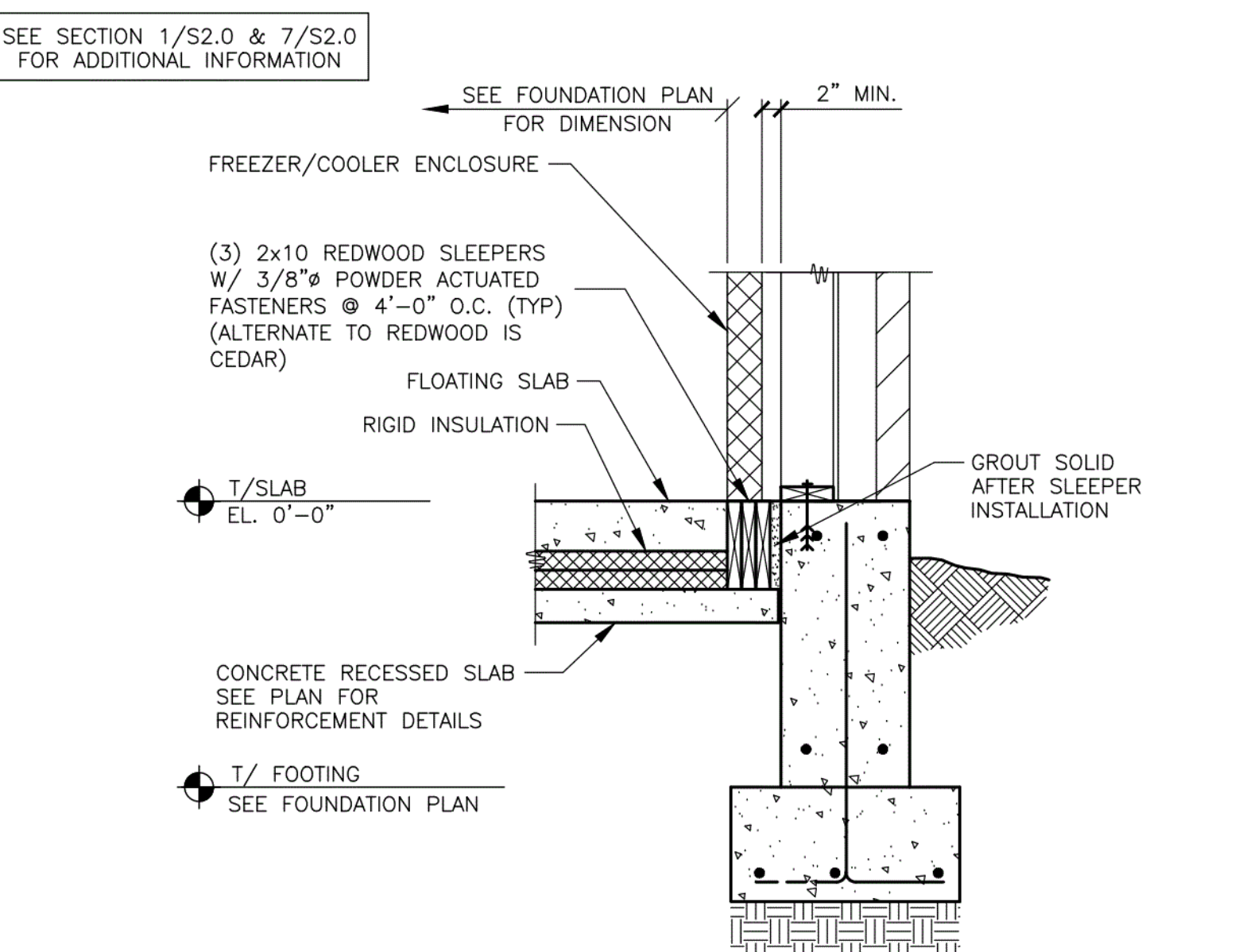
3 SECTION
S2.0 3/4" = 1'-0"



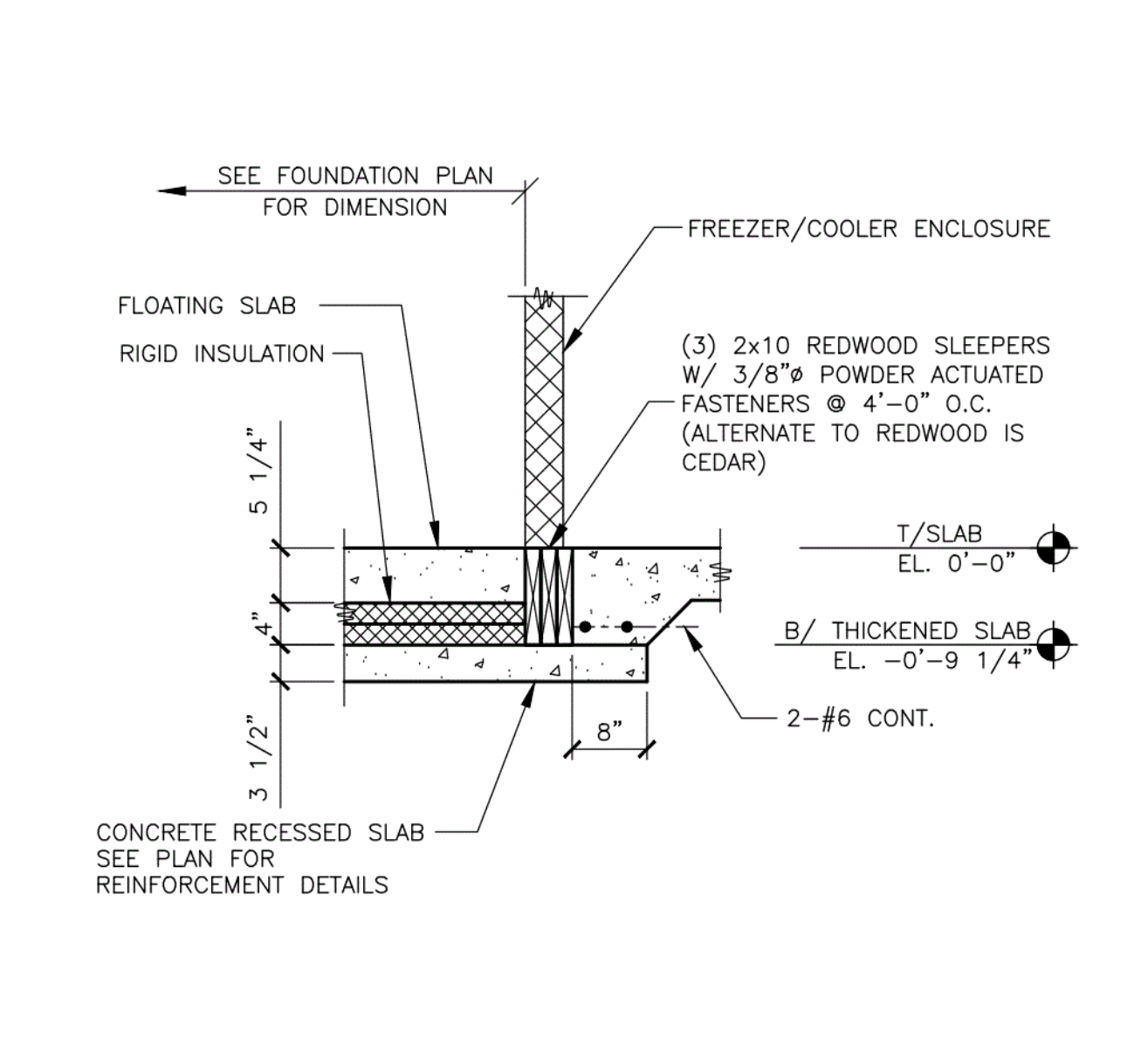
4 SECTION
S2.0 3/4" = 1'-0"



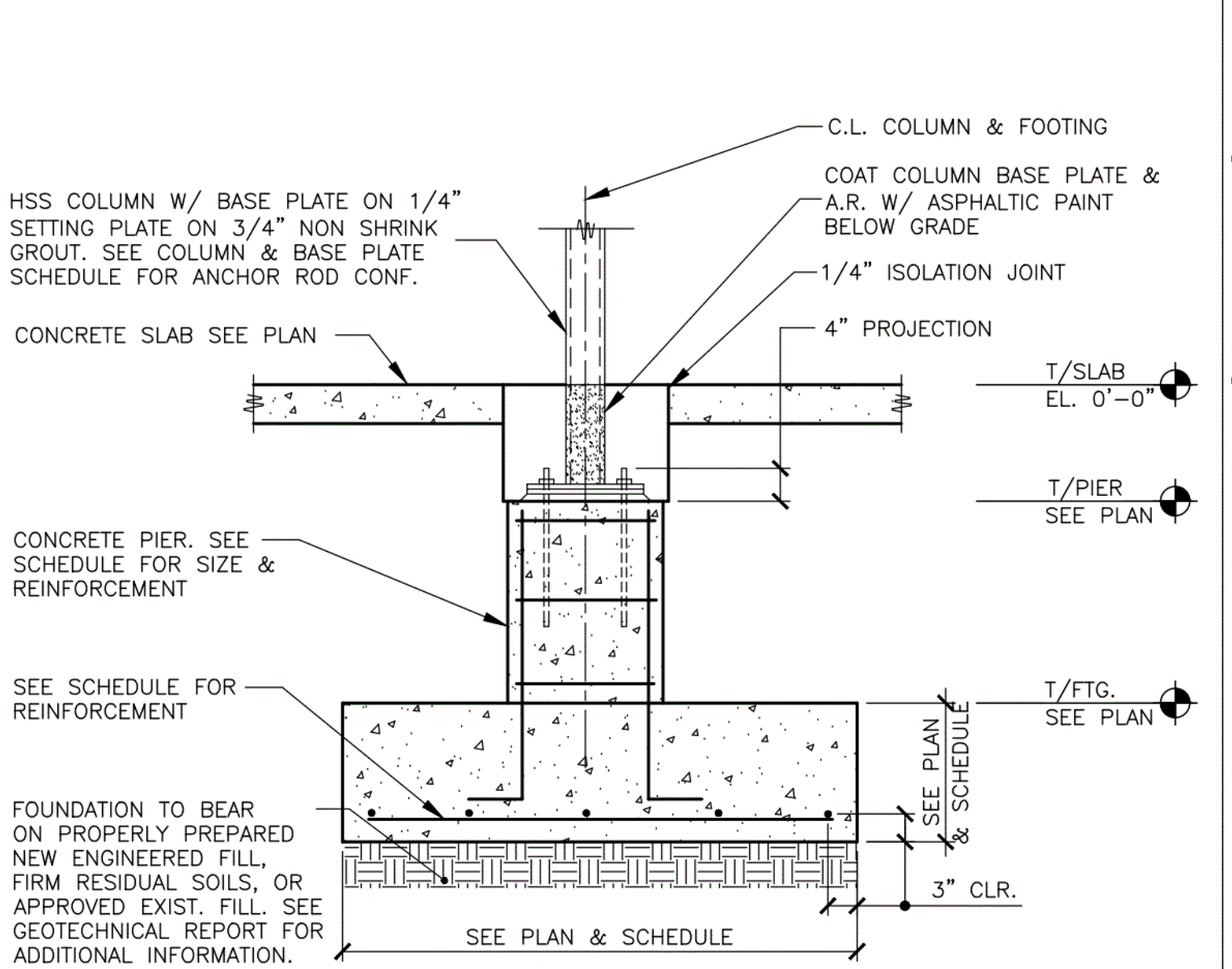
5 SECTION
S2.0 3/4" = 1'-0"



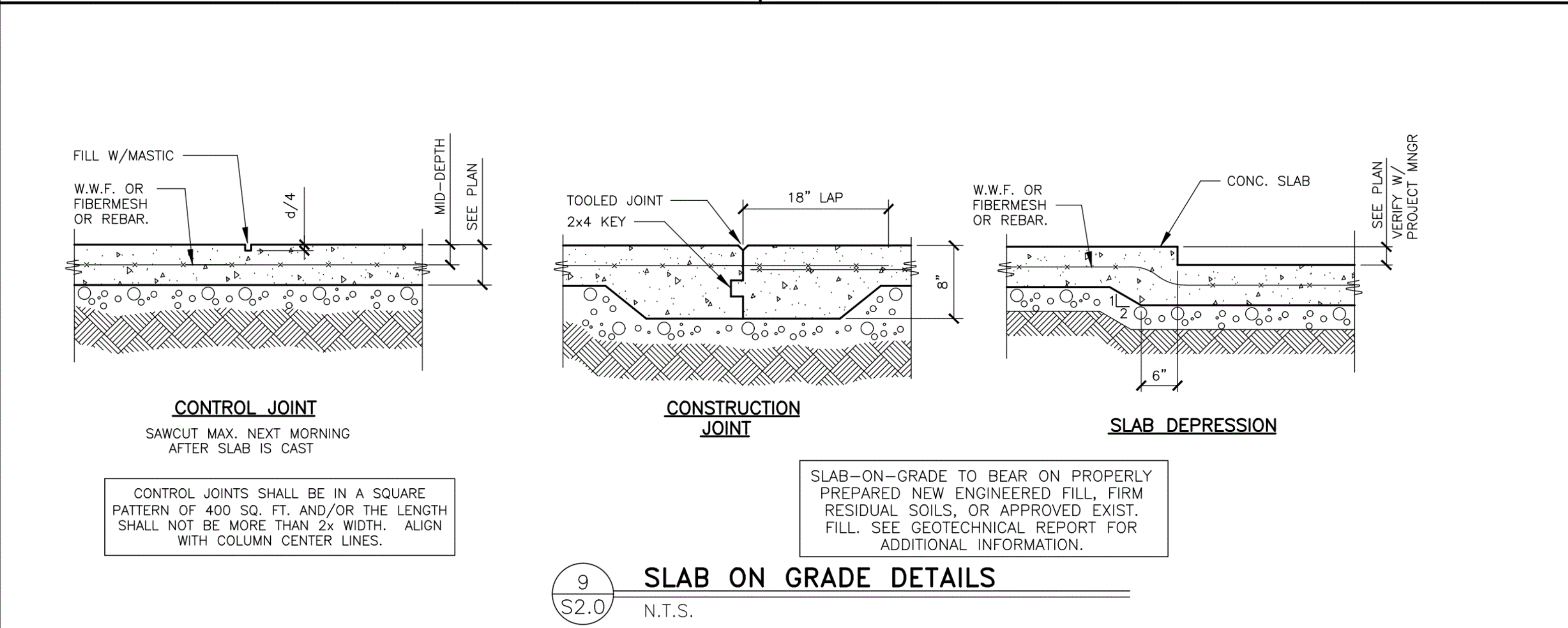
6 SECTION
S2.0 3/4" = 1'-0"



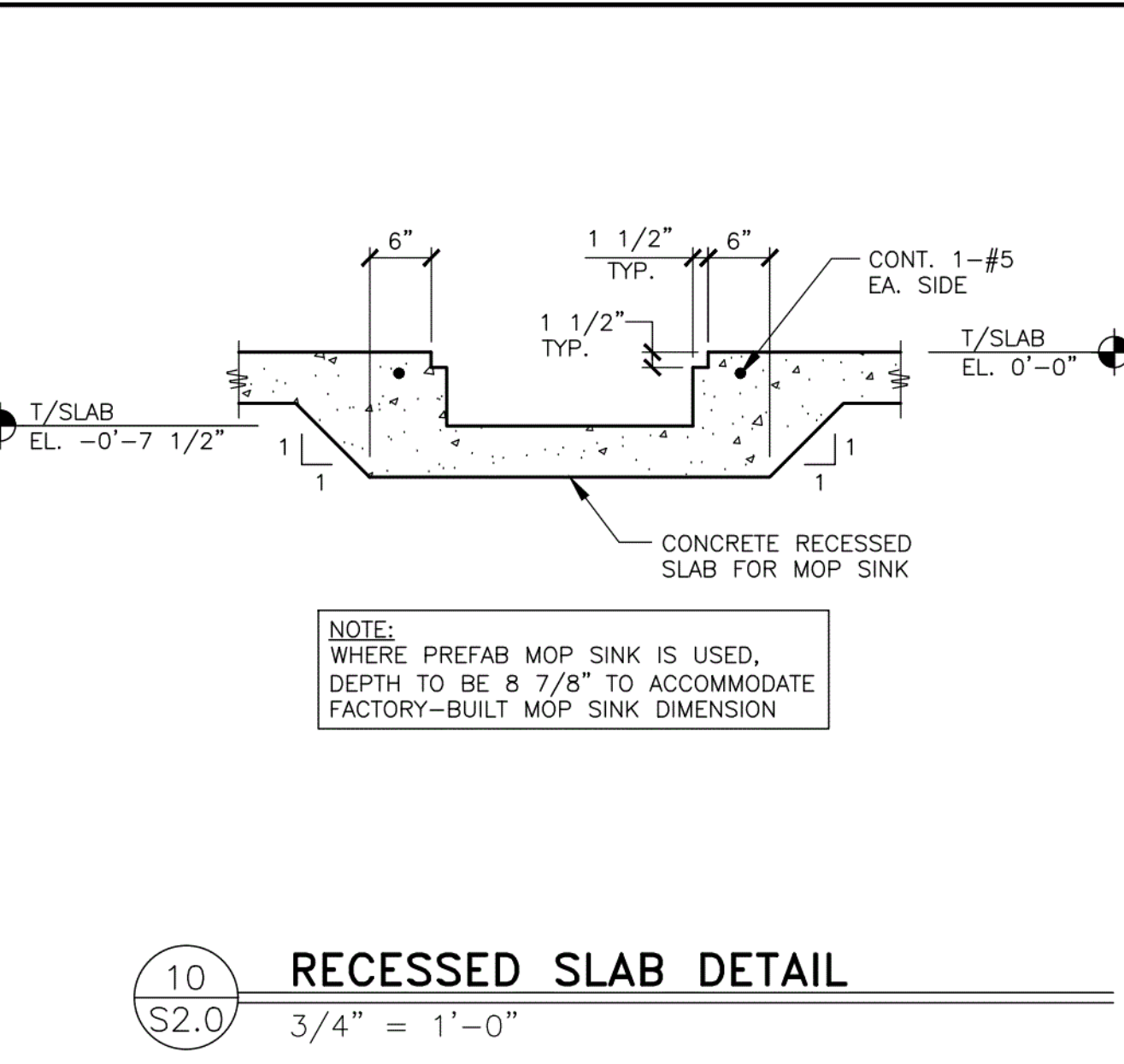
7 SECTION
S2.0 3/4" = 1'-0"



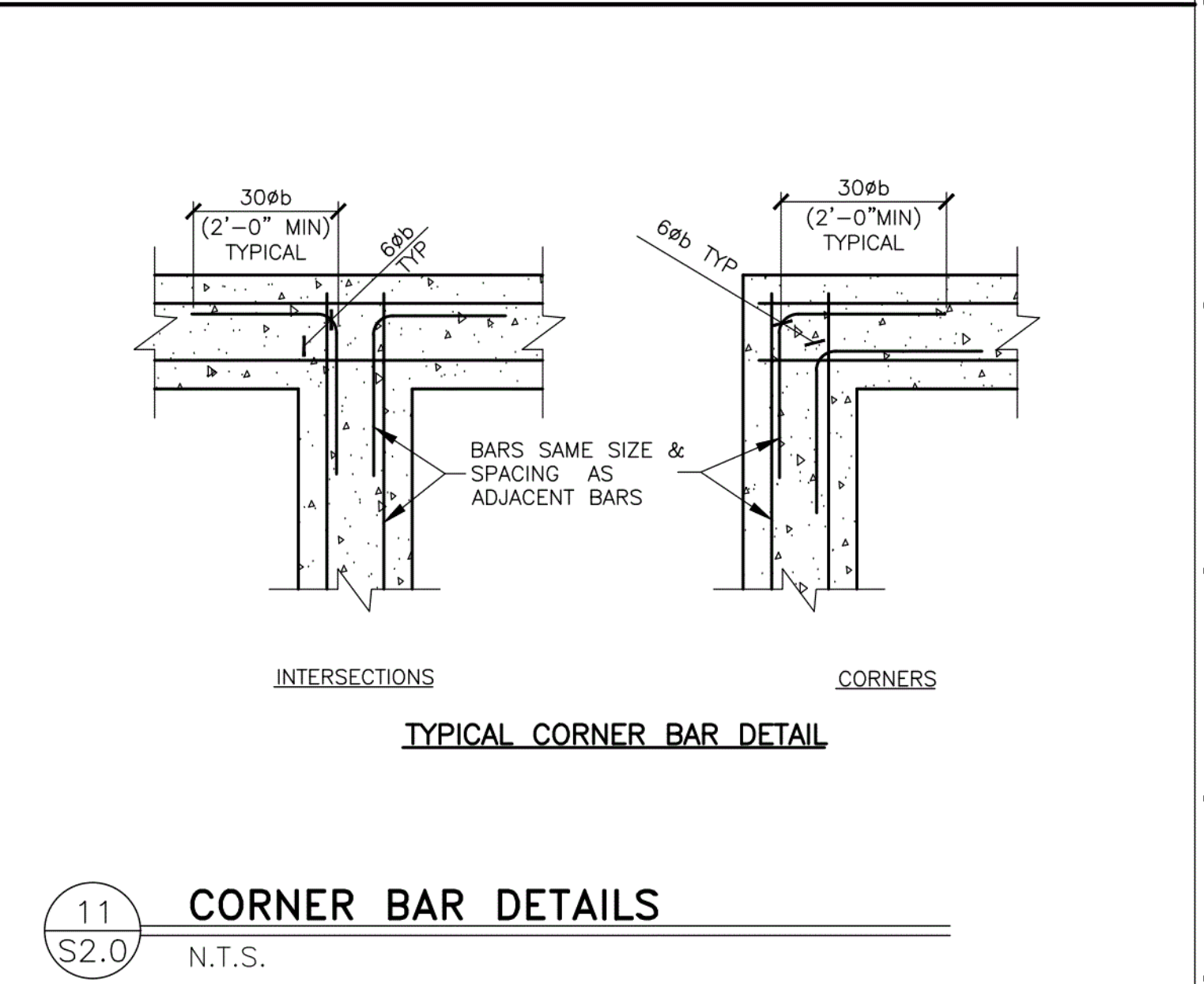
8 ISOLATED COLUMN FOOTING DETAIL
S2.0 3/4" = 1'-0"



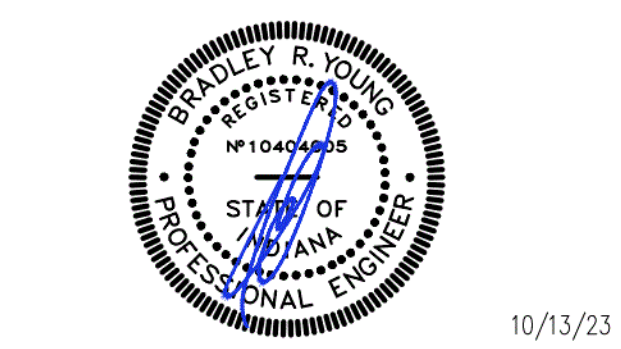
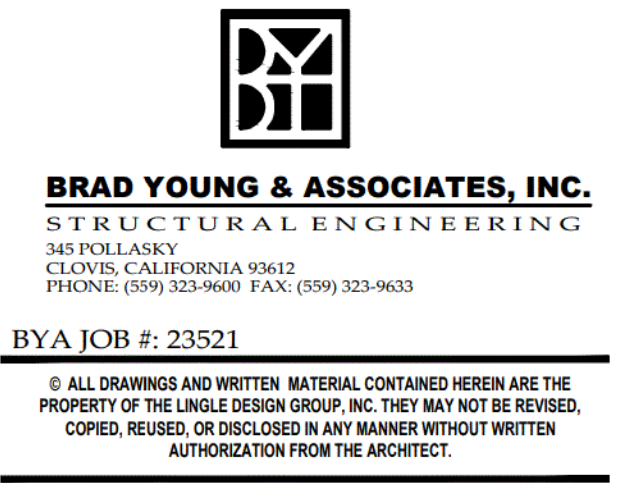
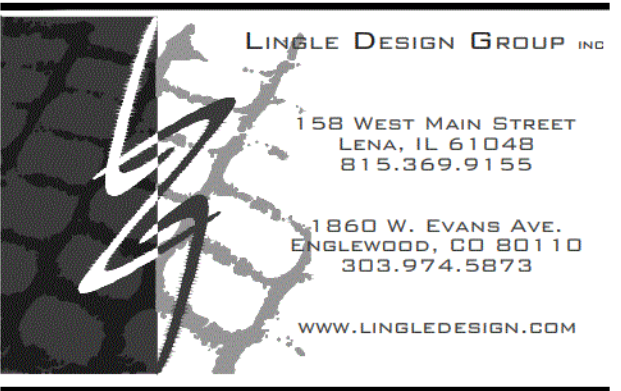
9 SLAB ON GRADE DETAILS
S2.0 N.T.S.



10 RECESSED SLAB DETAIL
S2.0 3/4" = 1'-0"



11 CORNER BAR DETAILS
S2.0 N.T.S.



STATE ID:	131246	NATIONAL #:	40669
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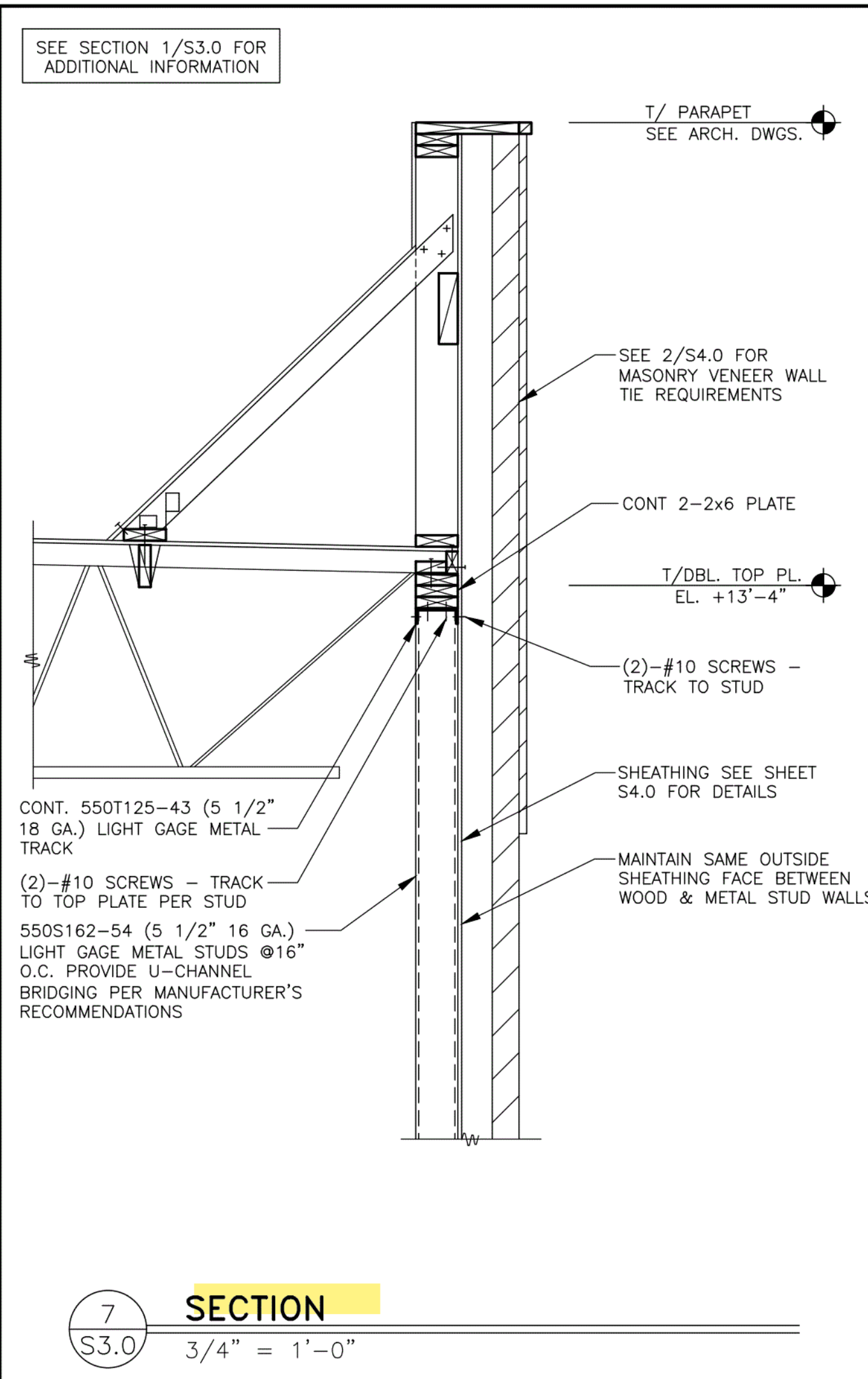
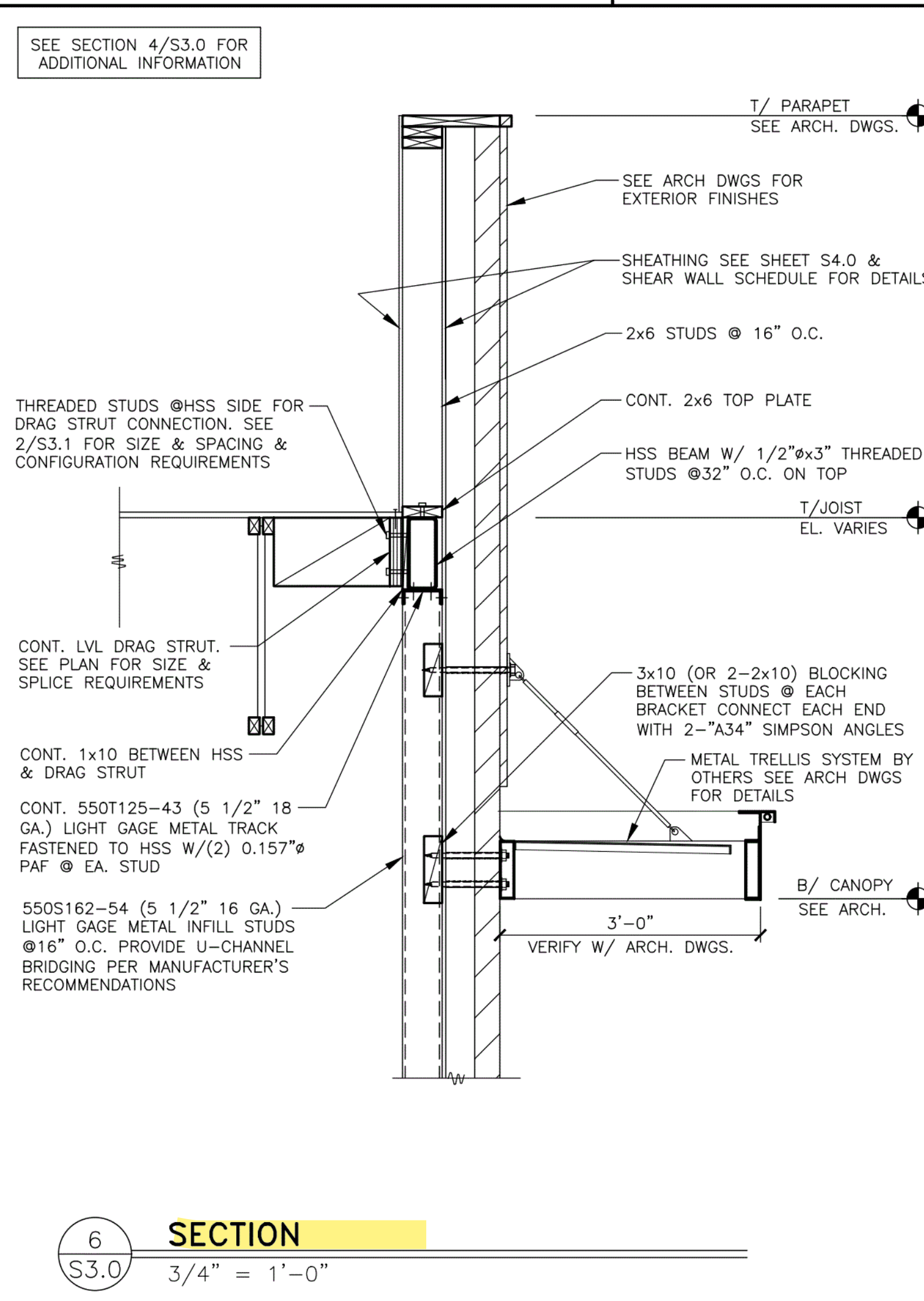
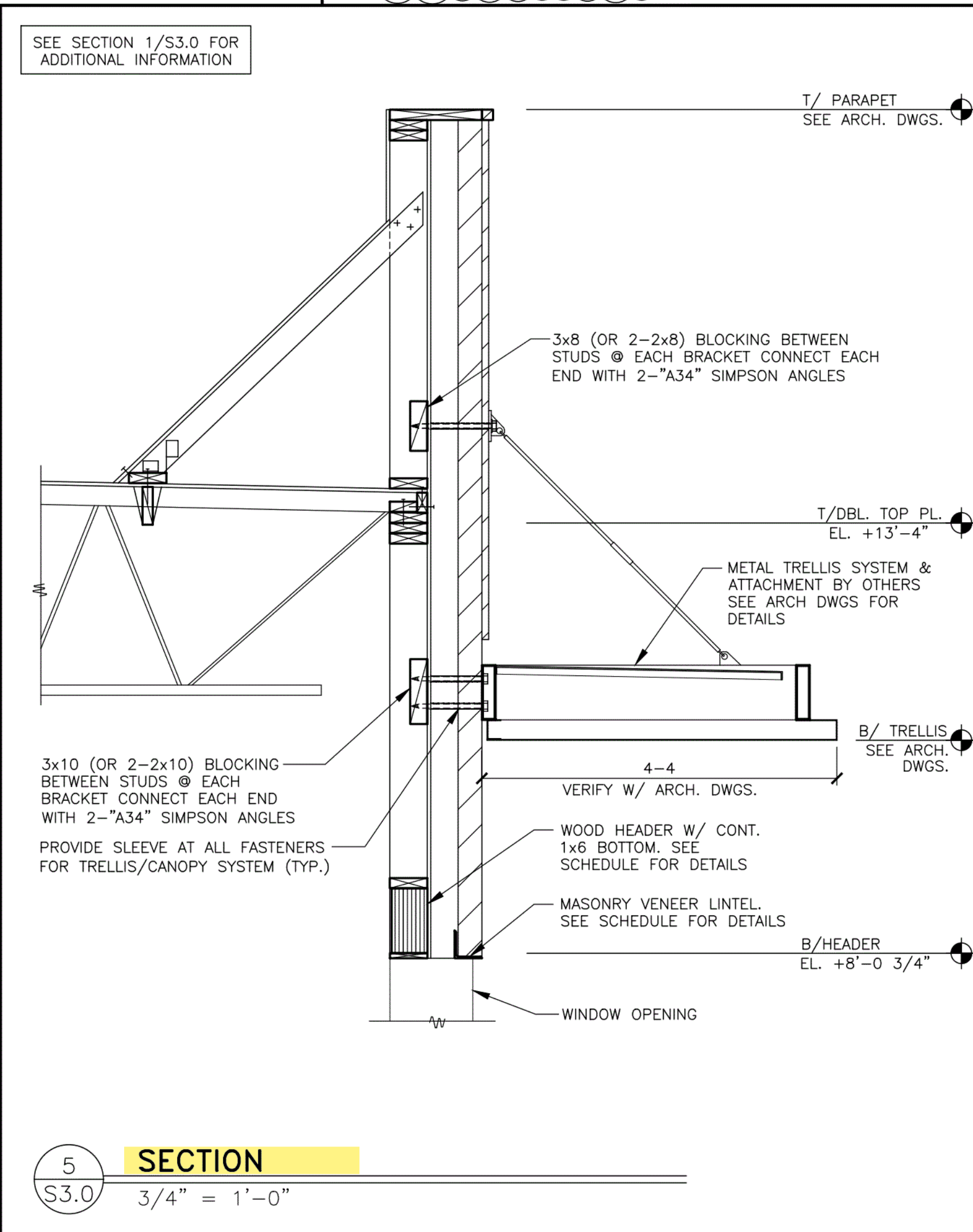
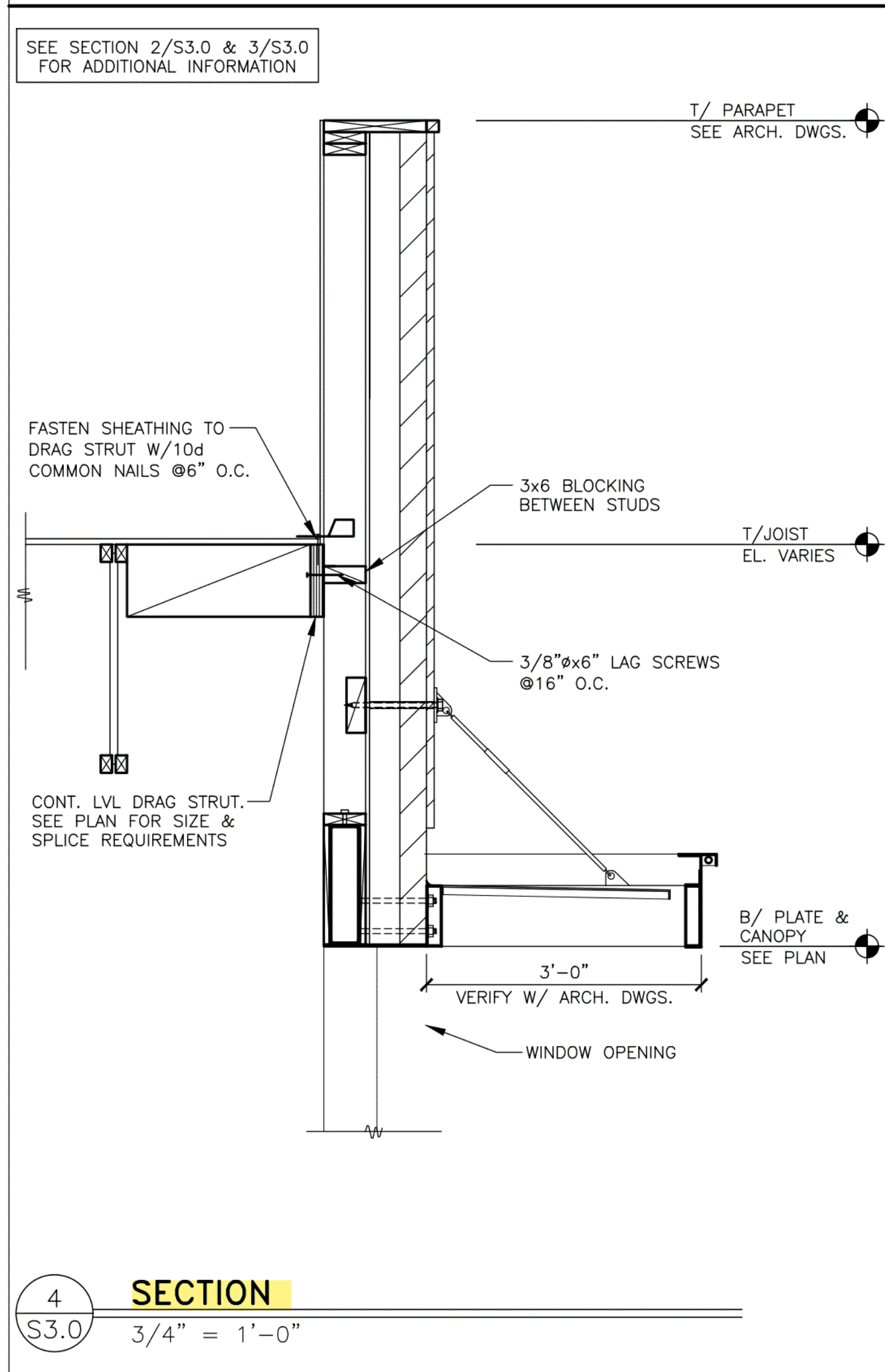
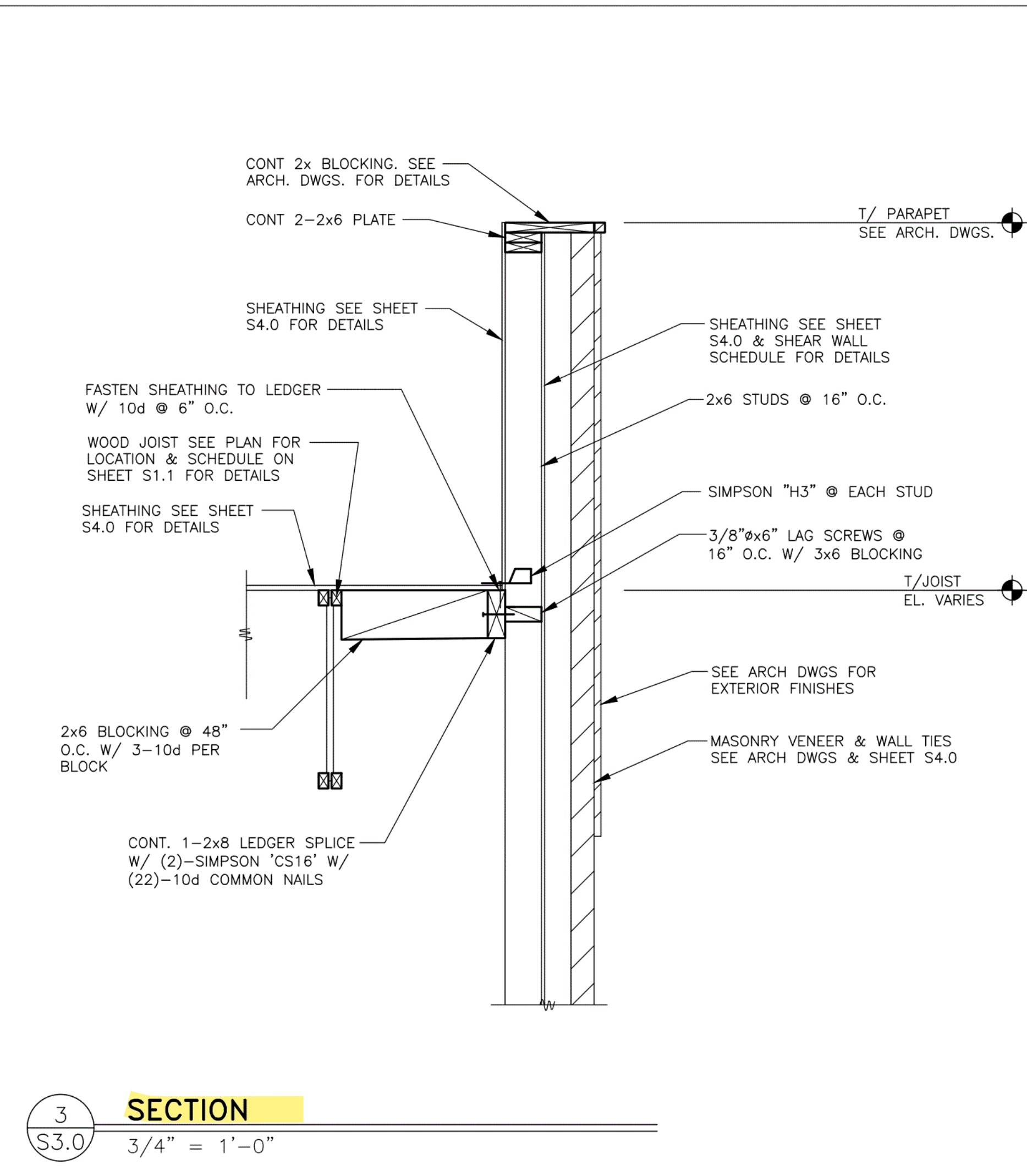
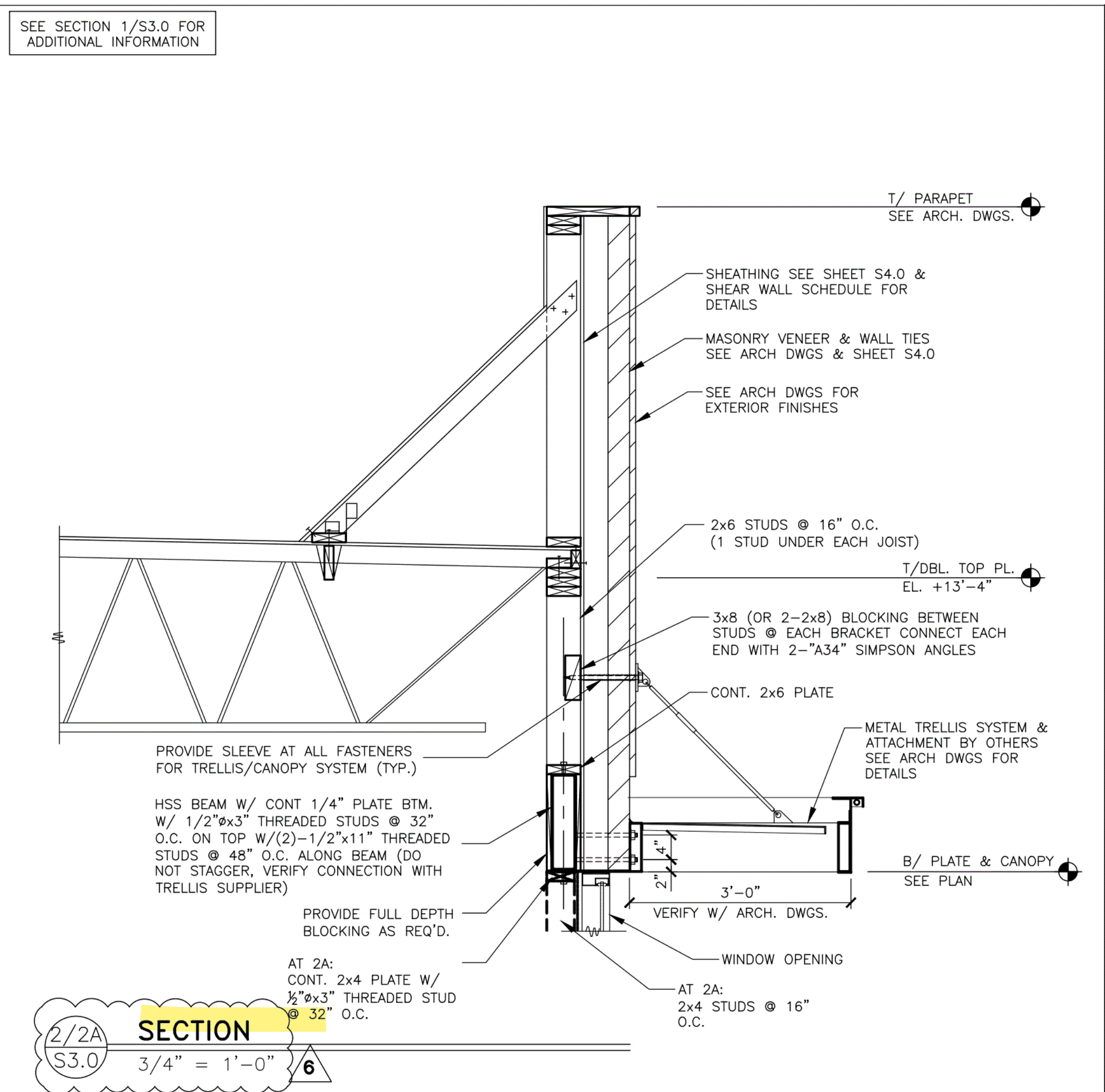
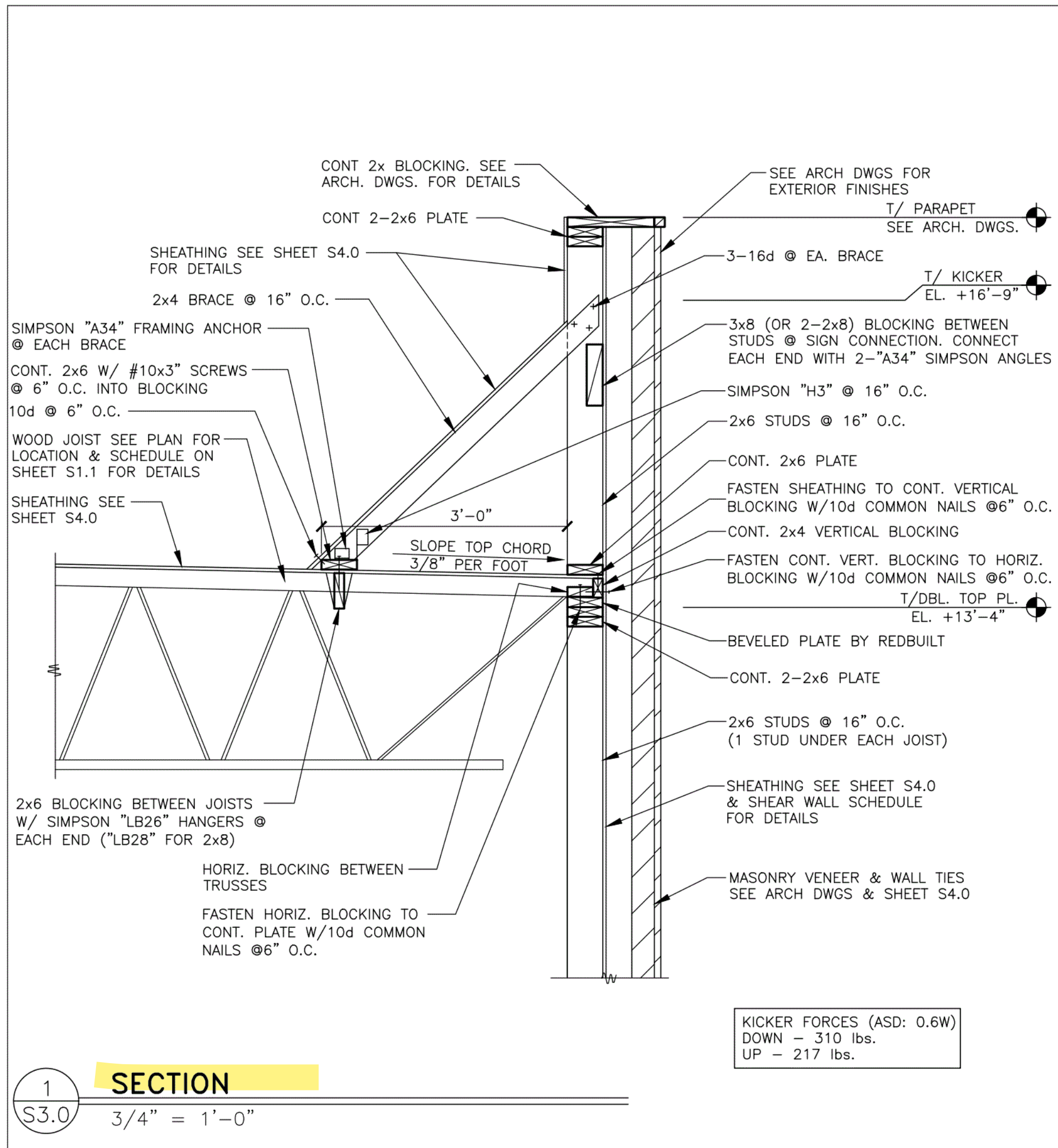
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INDIANAPOLIS, IN 46240

SHEET TITLE

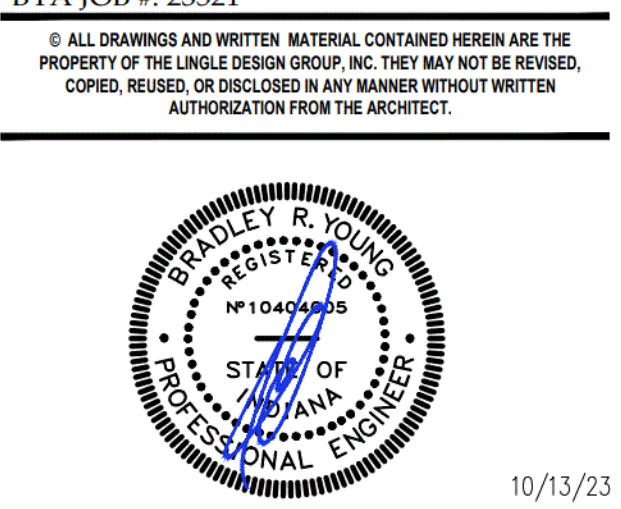
FOUNDATION SECTIONS

SHEET NUMBER:

S2.0



BRAD YOUNG & ASSOCIATES, INC.
STRUCTURAL ENGINEERING
345 PLYMOUTH
CLARK, CALIFORNIA 95612
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STATE ID: 131246 NATIONAL #: 40669
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REVISIONS

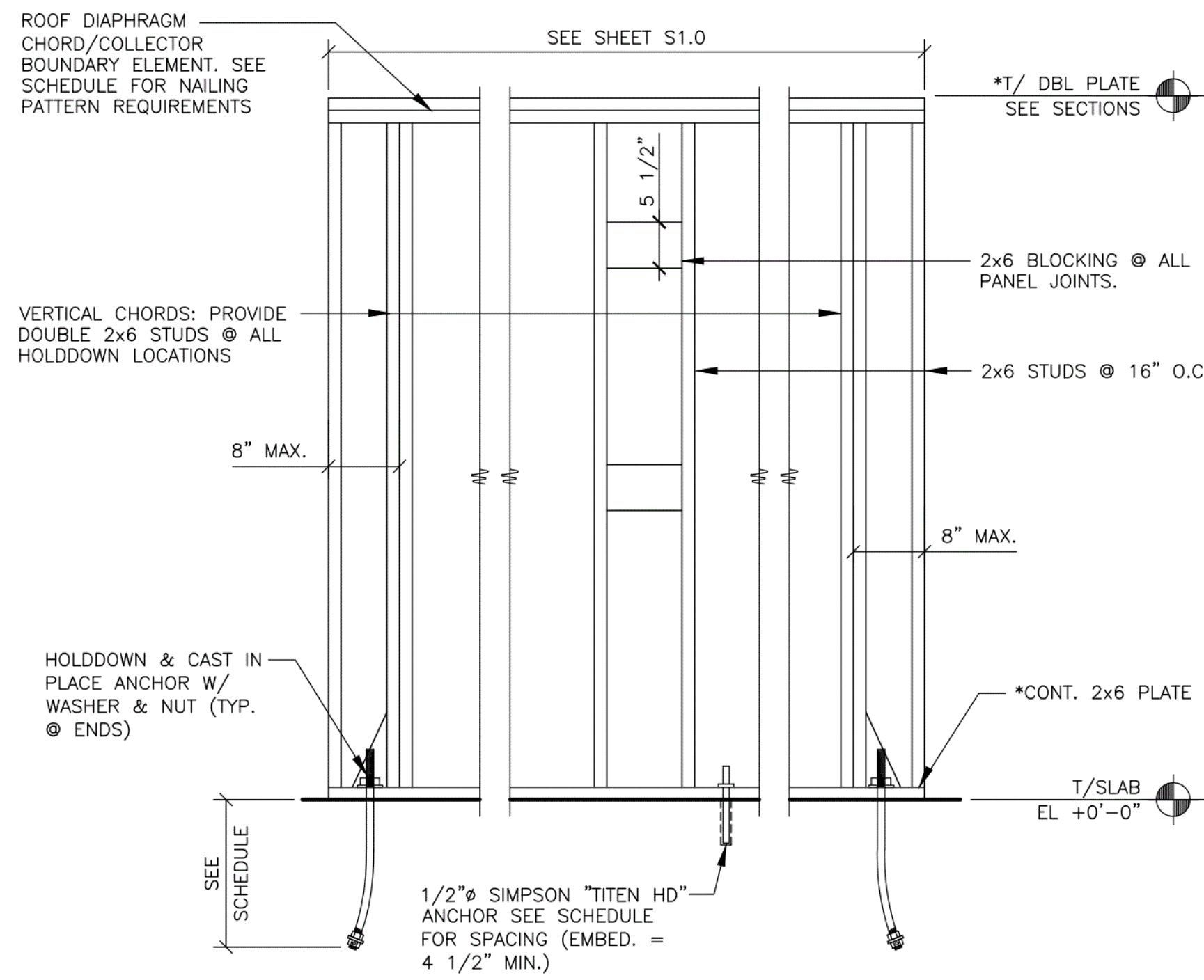
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SHEET TITLE
FRAMING SECTIONS

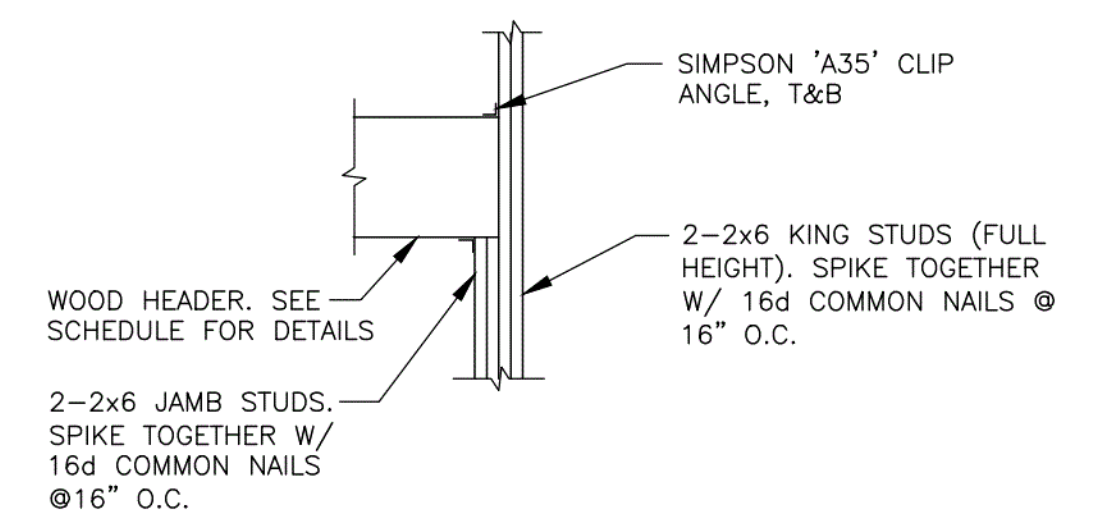
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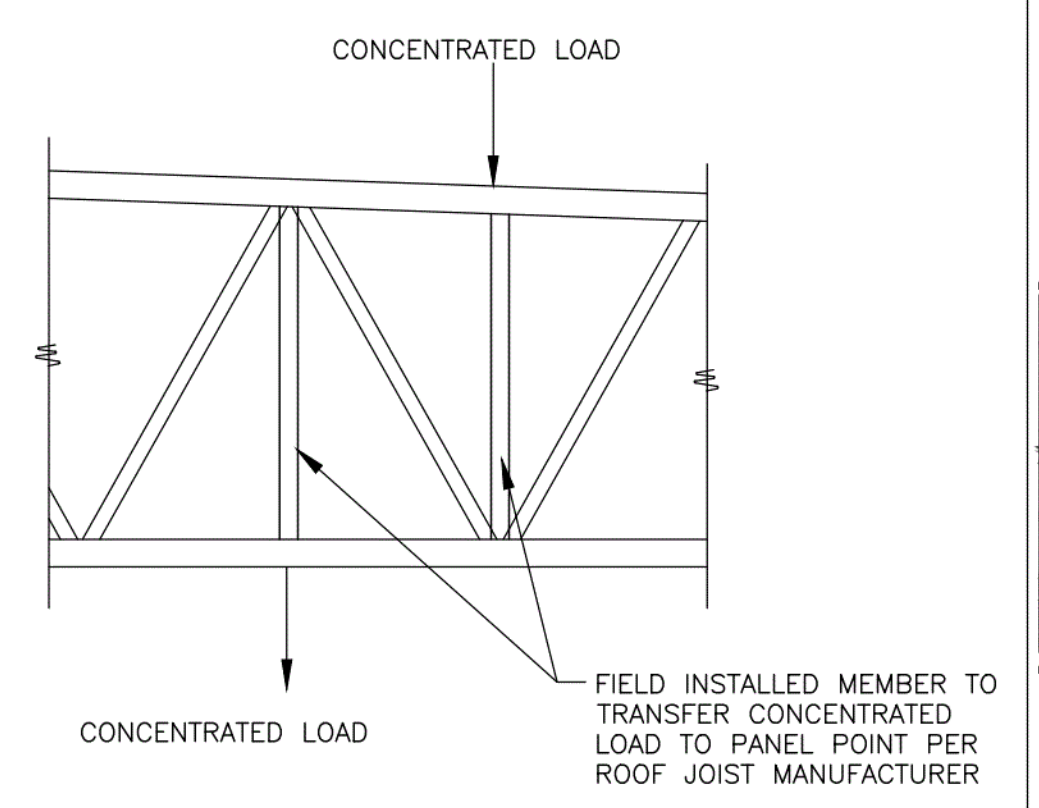
SHEAR WALL SCHEDULE						
WIND: 115 MPH (EXPOSURE B) SEISMIC: Sds = 15.8%, Sd1 = 13.1%						
MARK	SHEATHING	SHEATHING NAIL SIZE	SHEATHING NAIL** SPACING @ PANEL EDGES	HOLDDOWN*** ANCHORS	ANCHOR BOLT SPACING	REMARKS
A	1-15/32"	8d	6"	1-HDU5-SDS2.5 W/(1) SB5/8x24" PRECAST ANCHOR	32"	18" MIN. EMBED. ON HOLDDOWN ANCHORS.
B	1-15/32"	8d	6"	1-HDU5-SDS2.5 W/(1) SB5/8x24" PRECAST ANCHOR	32"	18" MIN. EMBED. ON HOLDDOWN ANCHORS.
C	1-15/32"	8d	6"	1-HDU5-SDS2.5 W/(1) SB5/8x24" PRECAST ANCHOR	40"	18" MIN. EMBED. ON HOLDDOWN ANCHORS.

NOTES:
 1. SHEATHING PANELS MAY BE LAID UP HORIZONTALLY OR VERTICALLY. NO VERTICAL PANEL EDGES ON VERTICAL CHORDS (HOLDDOWN LOCATION).
 2. WIND LOADS GOVERN OVER SEISMIC LOADS UNLESS AS NOTED IN THE REMARKS COLUMN.
 3. NAIL ALL SHEATHING TO INTERMEDIATE SUPPORTS @ 12" O.C.
 4. SCREW HOLDDOWN ANCHORS TO VERTICAL MEMBER W/ 14-"SDS1/4"x2 1/2" SCREWS EACH.
 * IF SILL PLATE OR TOP PLATES ARE NOT CONTINUOUS, CONTACT THE ENGINEER OF RECORD FOR SOLUTION.
 ** NAIL WALL SHEATHING TO ROOF DIAPHRAGM CHORD & TO EACH MEMBER/WALL VERTICAL CHORD W/ 10d COMMON NAILS @ 6" O.C. UNO.
 *** HOLD DOWNS AND HOLD DOWN ANCHOR SYSTEMS PER SIMPSON STRONG TIE & SHALL BE INSTALLED PER MANUFACTURER SPECIFICATIONS.

1 SHEAR WALL SCHEDULE
 S3.2 N.T.S.

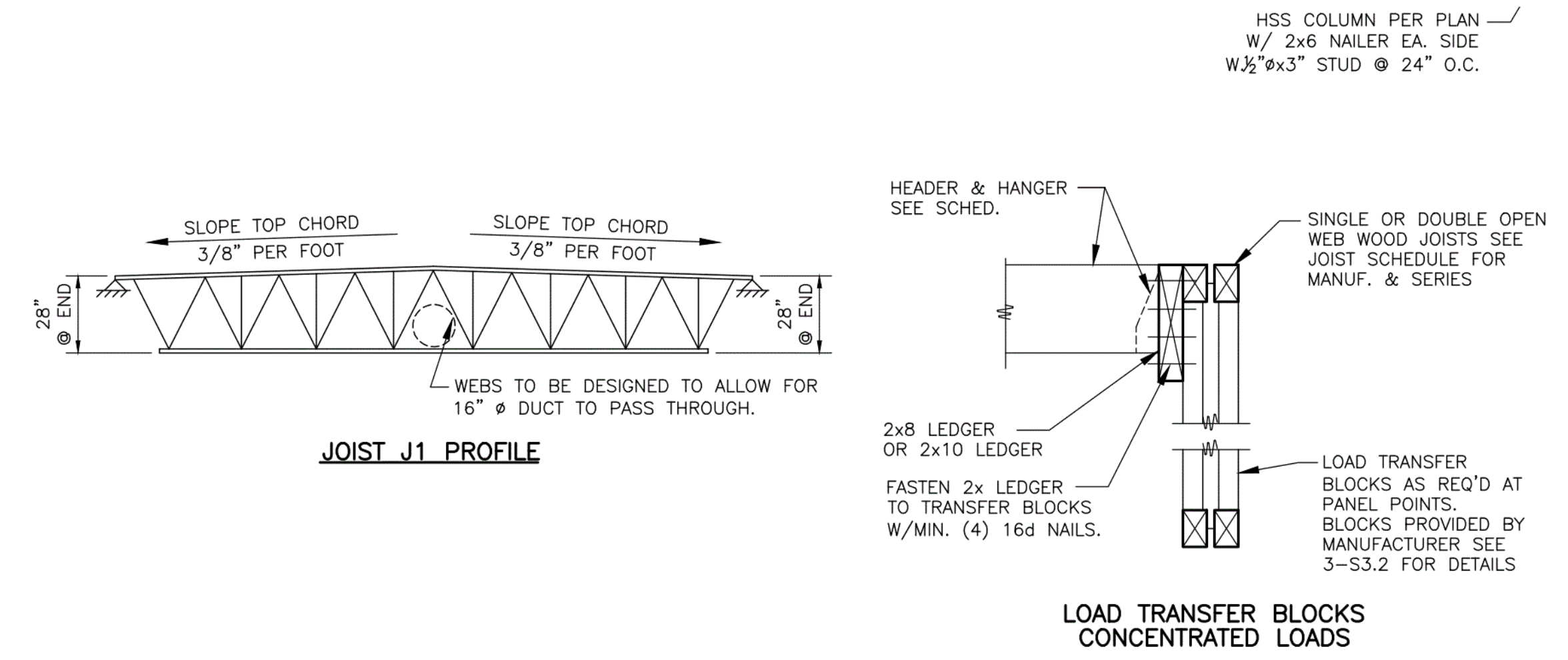


2 HEADER SUPPORT DETAIL
 S3.2 N.T.S.

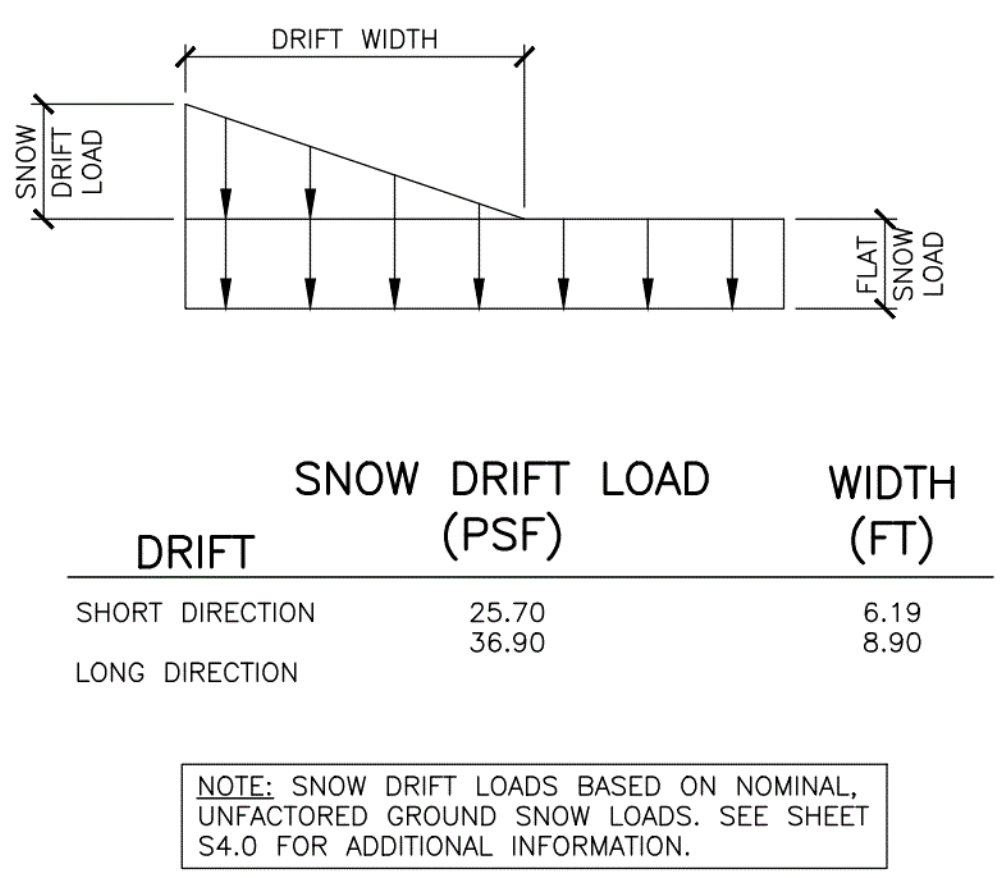


3 JOIST DETAIL @ POINT LOADS
 S3.2 N.T.S.

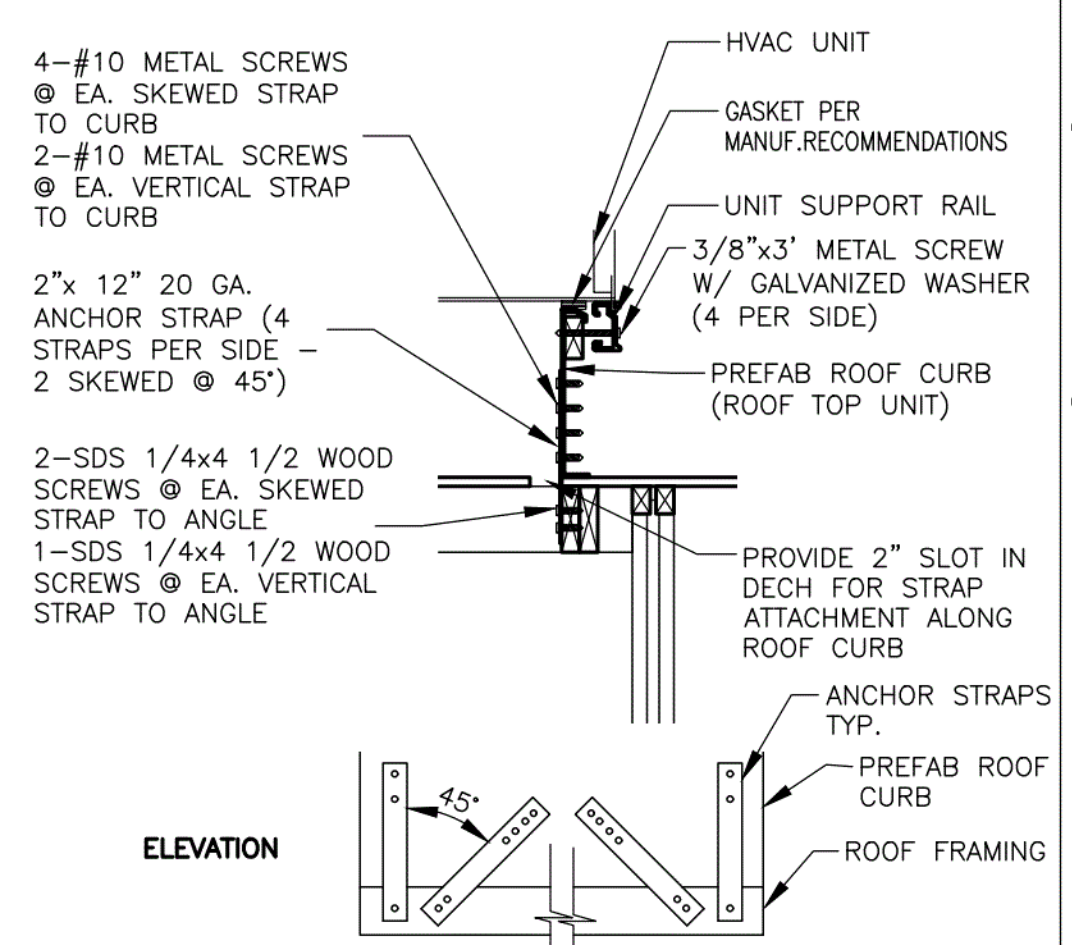
- FOR NATIONAL ACCOUNT PACKAGE & PRICING CONTACT REDBUILT @ 1-866-859-6757
 - JOIST MFR. TO VERIFY SIZE AT HVAC ROOF TOP UNITS.
- | HEADER | HANGER |
|--------|----------|
| 2x6 | LUS26 |
| 2-2x6 | LUS26-2 |
| 2x8 | LUS28 |
| 2-2x8 | LUS28-2 |
| 2x10 | LUS210 |
| 2-2x10 | LUS210-2 |
- FOR OPENINGS < 1'-4" USE 1-2x6
 FOR OPENINGS > 1'-4" AND < 4'-0" USE 2-2x8
 FOR OPENINGS > 4'-0" AND < 6'-0" USE 2-2x10
- ALL JOISTS SHALL BE DESIGNED FOR THE FOLLOWING NET UPLIFT. 115 MPH (BASIC) - 0.6 PSF SERVICE (ASD: 0.6D + 0.6W)



4 JOIST NOTES
 S3.2 N.T.S.

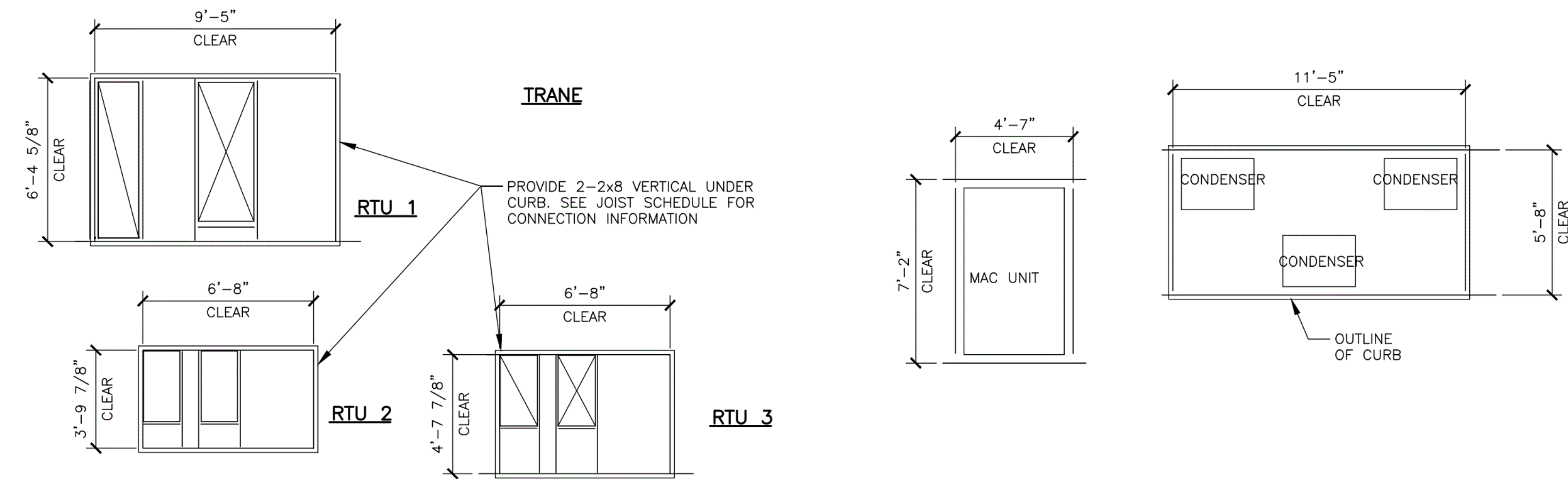


5 SNOW DRIFT DIAGRAM/SCHEDULE
 S3.2 N.T.S.

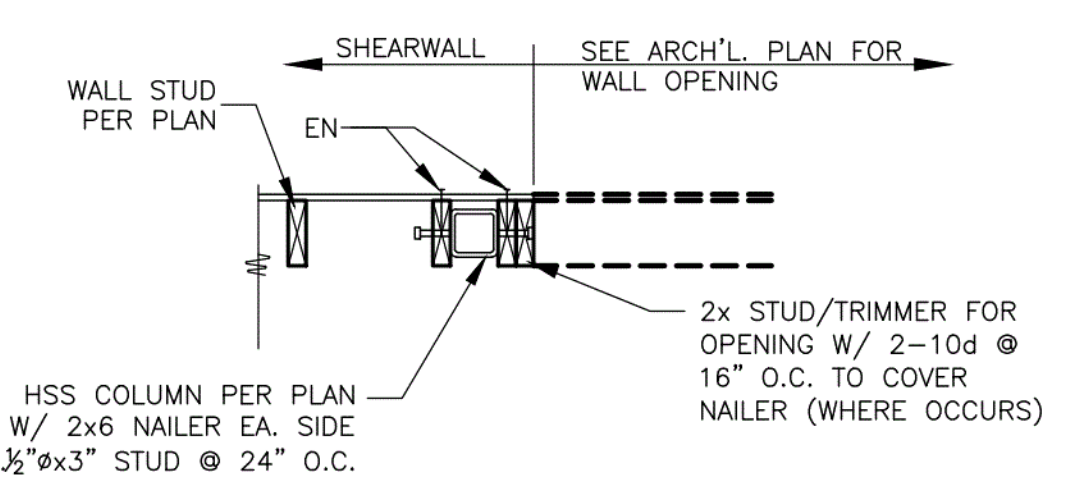


6 SECTION
 S3.2 3/4" = 1'-0"

NOTE: RTU VENDOR/SUPPLIER AND MODEL SHALL BE VERIFIED PRIOR TO INSTALLATION. G.C. TO PROVIDE (2)-2x8 HDRS. BELOW RTU CURBS AND AT PERIMETER OF ALL PENETRATIONS/OPENINGS PER DETAIL 4/S3.2. COORDINATE LOCATIONS AND EXTENT WITH MANUFACTURER CURB SPECIFICATIONS.



7 ROOF TOP UNIT CLEARANCES
 S3.2 1/4" = 1'-0"



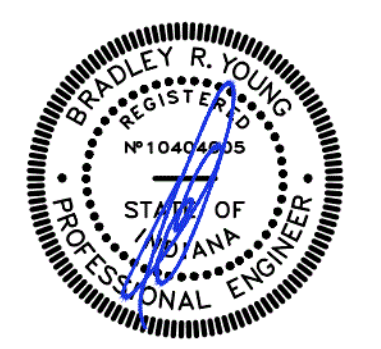
8 NAILER AT HSS
 S3.2 3/4" = 1'-0"

9 NOT USED
 S3.2 N.T.S.

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STATE ID: 131246 NATIONAL #: 40669
 PROJECT #: 23-287 DATE: 10/13/23
 DRAWN BY: KS CHECKED BY: TT

- REVISIONS
- 10/13/23 - RE-DRAW NEW PROTOTYPE
 - 11/15/23 - QC COMMENTS & PROTO UPDATES
 - 01/02/24 - QC COMMENTS
 - 01/30/24 - CITY COMMENTS
 - 02/16/24 - ELECTRICAL MARK-UPS
 - 03/11/24 - CITY COMMENTS

CLIENT
McDonald's USA, LLC

ADDRESS
 9521 HAVER WAY
 INDIANAPOLIS, IN 46240

SHEET TITLE
 DETAILS

SHEET NUMBER:
S3.2

STRUCTURAL GENERAL NOTES:

DESIGN AND LOADING

- THE STRUCTURAL DESIGN OF THIS BUILDING WAS BASED ON THE DESIGN CRITERIA:
 - BUILDING CODE: 2012 INTERNATIONAL BUILDING CODE
 - FLOOR:
 - LIVE LOAD: 100 PSF (NON-REDUCIBLE)
 - ROOF:
 - LIVE LOAD: 20 PSF
 - DEAD LOAD: 20 PSF
 - SNOW:
 - GROUND LOAD, p_g : 20 PSF
 - FLAT ROOF LOAD, p_f : 20 PSF
 - IMPORTANCE FACTOR, I_s : 1.0
 - EXPOSURE FACTOR, C_e : 1.0
 - THERMAL FACTOR, C_t : 1.0
 - SLOPE FACTOR, C_s : 1.0
 - WIND:
 - BASIC DESIGN WIND SPEED (3-SECOND GUST), V : 115 MPH
 - ALLOWABLE STRESS DESIGN WIND SPEED (3-SECOND GUST), V_{ASD} : 90 MPH
 - RISK CATEGORY: II
 - WIND EXPOSURE: B
 - $G C_p = \pm 0.18$
 - PRESSURES PER ASCE 7-16
 - SEISMIC:
 - RISK CATEGORY: II
 - IMPORTANCE FACTOR: 1.00
 - SITE CLASS: D (ASSUMED)
 - $SS = 0.148$, $S1 = 0.082$
 - $SDS = 0.158$, $SD1 = 0.031$ DESIGN CATEGORY: B
 - PLYWOOD SHEAR WALLS ($R = 6.5$)
 - STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE ($R = 3.0$)
 - $Cs1: 0.024$ (LONGITUDINAL DIRECTION) $Cs2: 0.042$ (TRANSVERSE DIRECTION)
 - DESIGN BASE SHEAR = SEE CALCULATIONS
 - ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
 - FLOOD LOAD: N/A
 - SPECIAL LOADS: N/A
 - RAIN LOADS: N/A

FOUNDATION NOTES

- THE FOUNDATION DESIGN OF THIS BUILDING WAS BASED ON THE FOLLOWING CRITERIA:
 - MINIMUM ALLOWABLE SOIL BEARING CAPACITY = 2,500 PSF.
 - RECOMMENDED BY TERRACON IN THEIR REPORT #CK225133 DATED 01/13/2023
 - ANY FILL REQUIRED BELOW SLABS ON GRADE OR FOOTINGS SHALL BE COMPACTED AS REQUIRED BY THE SOILS REPORT NOTED IN ITEM #2.
- ALL EXTERIOR FOOTINGS SHALL EXTEND BELOW THE MAXIMUM ANTICIPATED DEPTH OF FROST.
- THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OR ENGINEER OF RECORD IMMEDIATELY IN THE EVENT THAT THE SOILS CONDITIONS ENCOUNTERED VARY FROM THOSE SHOWN ON THE BORING LOGS.
- ALL FOUNDATION EXCAVATIONS SHALL BE INSPECTED BY A SOILS TESTING LABORATORY PRIOR TO PLACEMENT OF CONCRETE.

CONCRETE AND REINFORCING

- ALL CONCRETE SHALL BE IN ACCORDANCE WITH THE "AMERICAN CONCRETE INSTITUTE BUILDING CODE" (ACI 318) AND WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301) LATEST EDITIONS.
- ALL NORMAL WEIGHT CONCRETE (145 PCF) SHALL OBTAIN A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI (3500 PSI FOR SLABS).
- ALL CONCRETE SUBJECT TO EXTERIOR EXPOSURE SHALL BE AIR ENTRAINED AS RECOMMENDED BY ACI 318.
- TEST CYLINDERS SHALL BE MADE AND TESTED AS OUTLINED IN CHAPTER 16 OF ACI-301.
- REINFORCING BARS SHALL BE DEFORMED BARS OF NEW BILLET STEEL CONFORMING TO ASTM A-615, GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. ALL REINFORCING AND ACCESSORIES SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI STANDARD 315 AND 315R.
- PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCEMENT AT POSITIONS SHOWN ON THE PLANS AND DETAILS. PLASTIC COATED ACCESSORIES SHALL BE USED IN ALL EXPOSED CONCRETE WORK.
- THE GENERAL CONTRACTOR SHALL CHECK WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND THE SUB-CONTRACTORS FOR OPENINGS, SLEEVES, ANCHORS, HANGERS, INSERTS, SLAB DEPRESSIONS AND OTHER ITEMS RELATED TO THE CONCRETE WORK AND SHALL ASSUME RESPONSIBILITY FOR THEIR PROPER LOCATION.

STRUCTURAL STEEL

- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN CONFORMANCE WITH THE AISC360 "SPECIFICATION FOR STRUCTURAL STEEL". SEISMIC DESIGN OF STRUCTURAL STEEL STRUCTURES SHALL CONFORM TO AISC 341.
- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:
 - ANCHOR RODS F1554, GRADE 36
 - HIGH STRENGTH STRUCTURAL BOLTS A325-N U.N.O.
 - STRUCTURAL SHAPES (W) A992
 - STRUCTURAL SHAPES (M, S, C, MC, PLATES) A36
 - STRUCTURAL SHAPES (HP) A572
 - STRUCTURAL TUBING (HSS) A500 GRADE B
 - STRUCTURAL ANGLES A36
- ALL WELDING ELECTRODES SHALL BE E70-XX. ALL SHOP AND FIELD WELDING SHALL BE MADE IN ACCORDANCE WITH A.W.S. D1.1 "CODE FOR WELDING IN BUILDING CONSTRUCTION" AND SHALL BE MADE BY CERTIFIED WELDERS.

LAMINATED VENEER LUMBER (LVL)

- ALL BEAMS SHALL BE MANUFACTURED WITH LAMINATED VENEER LUMBER AND WATERPROOF ADHESIVES.
- SIZE, MANUFACTURER & SERIES OF ALL LVL MEMBERS SHALL BE AS SHOWN ON DRAWINGS.
- ANY SUBSTITUTIONS MUST BE APPROVED IN WRITING BY ENGINEER OR ARCHITECT OF RECORD.
- PROVIDE 3" MINIMUM BEARING OR AS SPECIFIED ON PLANS. REFER TO PLANS FOR FASTENING OF MULTIPLE PIECE BEAMS.

OPEN WEB WOOD JOISTS

- OPEN WEB WOOD JOISTS SHALL BE MANUFACTURED WITH MACHINE STRESS RATED TOP AND BOTTOM CHORDS. WEBS SHALL BE TUBULAR STEEL MEMBERS PER MANUFACTURERS' SPECIFICATIONS.
- SIZE, MANUFACTURER & SERIES OF ALL OPEN WEB JOISTS SHALL BE AS SHOWN ON DRAWINGS. ANY SUBSTITUTIONS MUST BE APPROVED IN WRITING BY ENGINEER OR ARCHITECT OF RECORD.
- PROVIDE 3 1/2" MINIMUM BEARING OR AS SPECIFIED ON PLANS. SHIM AS REQUIRED TO PROVIDE FULL BEARING AND LEVEL SUPPORT.
- DO NOT CUT TOP OR BOTTOM CHORDS.
- ALL HANGERS AND FRAMING CONNECTORS SHOWN ARE MANUFACTURED BY SIMPSON STRONG TIE. ANY SUBSTITUTIONS MUST BE APPROVED IN WRITING BY ENGINEER OR ARCHITECT OF RECORD.
- REFER TO PLANS FOR WEB STIFFENER AND CONCENTRATED LOAD REQUIREMENTS.
- REFER TO MANUFACTURERS' INSTALLATION GUIDE FOR JOIST BRACING DURING ERECTION. REFER TO MANUFACTURERS' INSTALLATION GUIDE FOR JOIST BRIDGING REQUIREMENTS.

SAWN LUMBER

- ALL GRADES OF LUMBER INDICATED ON STRUCTURAL DRAWINGS SHALL BE RATED BY THE SOUTHERN PINE INSPECTION BUREAU (SPIB), OR THE WESTERN WOOD PRODUCTS ASSOCIATION (WWPA). LUMBER GRADES SHALL BE AS FOLLOWS, WITH A MAXIMUM MOISTURE CONTENT OF 19%:
 - SOUTHERN PINE NO. 1.
 - DOUGLAS FIR-LARCH NO. 1.
 - HEM-FIR NORTH NO. 1
- BOLT HEADS AND NUTS BEARING ON WOOD SHALL BE PROVIDED WITH STANDARD CUT WASHERS. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
- MINIMUM NAILED CONNECTIONS FOR WOOD FRAMING MEMBERS SHALL BE IN ACCORDANCE WITH THE LOCAL BUILDING CODE OR TABLE 2304.9.1 OF THE INTERNATIONAL BUILDING CODE IF NO OTHER CRITERIA IS GIVEN.
- CONNECTORS SHOWN ON THE DETAILS ARE MANUFACTURED BY SIMPSON. WRITTEN APPROVAL BY ENGINEER REQUIRED FOR SUBSTITUTIONS.

ROOF & WALL SHEATHING

- ALL SHEATHING SHALL CONFORM TO AMERICAN PLYWOOD ASSOCIATION (APA) DESIGN SPECIFICATIONS, LATEST EDITION. SHEATHING SHALL BE CONTINUOUS OVER THREE ADJACENT SPANS MINIMUM.
- WALL SHEATHING SHALL BE 15/32" (1/2" NOMINAL) APA RATED SHEATHING, EXPOSURE 1, 32/16. ALL WALL SHEATHING SHALL BE FASTENED TO SUPPORTING MEMBERS W/ 8d COMMON NAILS @ 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATED SUPPORTS, U.N.O.
- ROOF SHEATHING SHALL BE 23/32" (3/4" NOMINAL) APA RATED SHEATHING, EXPOSURE 1, 48/24. ALL ROOF SHEATHING SHALL BE FASTENED TO SUPPORTING MEMBERS W/10d COMMON NAILS @ 6" O.C. AT PANEL EDGES, AND 12" O.C. AT INTERMEDIATE SUPPORTS, U.N.O.

LIGHT GAGE METAL FRAMING

- 16 GA. AND HEAVIER STUDS SHALL HAVE A MINIMUM YIELD STRESS OF 50,000 PSI. 18 GA. AND LIGHTER STUDS AND TRACKS SHALL HAVE A MINIMUM YIELD STRESS OF 33,000 PSI.
- STUDS AND TRACKS SHALL BE 18 GA. MINIMUM U.N.O. THEY SHALL BE MANUFACTURED BY DIETRICH INDUSTRIES, INC. OR APPROVED EQUAL.
- PROVIDE DOUBLE STUDS FOR FULL HEIGHT OF WALL EACH SIDE OF ALL OPENINGS UNLESS OTHERWISE NOTED. WELD STUDS TO EACH OTHER WITH 1 1/2" LONG 1/8" FILLET WELDS AT 12" O.C. EACH SIDE. PROVIDE STUD TRACK AT EACH HEAD AND SILL.
- REFER TO PLANS AND DETAILS FOR CONNECTION OF STUD WALLS TO FOUNDATION, FLOOR OR ROOF.

SHOP DRAWINGS

- SHOP DRAWING SUBMITTALS SHALL BE SUBMITTED ELECTRONICALLY.
- SHOP DRAWINGS SHALL BE REVIEWED BY CONTRACTOR TO VERIFY THAT SUBMITTAL IS COMPLETE PRIOR TO SUBMITTING TO ARCHITECT/ENGINEER.
- DRAWINGS CREATED BY THE ENGINEER OF RECORD CANNOT BE REPRODUCED AND/OR USED AS A SHOP DRAWING SUBMITTAL. SHOP DRAWING SUBMITTALS SHALL INCLUDE THE FOLLOWING:
 - CONCRETE MIX DESIGN
 - FOUNDATION REINFORCING BARS
 - STRUCTURAL STEEL
 - OPEN WEB JOISTS AND CALCULATIONS
 - ROOF SHEATHING
 - TRELLIS SYSTEM & CALCULATIONS
 - LAMINATED VENEER LUMBER (LVL)
 - SAWN LUMBER AND CONNECTORS

SPECIAL INSPECTIONS

- SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 1705 OF IBC AND THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED UNDER SECTION 1705. THE FOLLOWING AREAS OF WORK REQUIRE SPECIAL INSPECTIONS IN ACCORDANCE WITH THE LISTED 2021 INTERNATIONAL BUILDING CODE SECTIONS/LOCATIONS:
 - SOILS - SECTION 1705.6 PER TABLE 1705.6
 - CONCRETE - SECTION 1705.3 PER TABLE 1705.3
 - STEEL - SECTION 1705.2 (SEE AISC 360-16)
 - WOOD - SECTION 1705.5

MISCELLANEOUS

- ALL DIMENSIONS ON STRUCTURAL DRAWINGS TO BE CHECKED AGAINST ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS BY THE GENERAL CONTRACTOR AND ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT IMMEDIATELY.
- THE CONTRACTOR SHALL ASSUME RESPONSIBILITY, UNRELIEVED BY REVIEW OF SHOP DRAWINGS OR PERIODIC OBSERVATION OF CONSTRUCTION, FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS, FOR FABRICATION PROCESSES AND CONSTRUCTION TECHNIQUES, AND FOR SAFE CONDITIONS ON THE JOB SITE.
- DO NOT SCALE THE DRAWINGS.

VENEER TIE REQUIREMENTS:

- FOR SEISMIC DESIGN CATEGORIES 'A' THROUGH 'C' WITH ULTIMATE WIND SPEED LESS THAN 140 MPH, USE THE FOLLOWING:

VENEER TIES W/ WIRE SIZE (W2.8 OR 3/16") SPACED 16" O.C. VERTICALLY AND 32" HORIZONTALLY. ADDITIONAL TIES ALONG ALL OPENINGS GREATER THAN 16" ARE REQUIRED TO BE LOCATED WITHIN 12" OF OPENING AND SPACED 36" O.C. MAX. AROUND OPENING PERIMETER. (HOHMANN & BARNARD VBT-VEE-BYNA TIE WITH DW10-HS ANCHOR PLATE OR EQUAL).
- FOR SEISMIC DESIGN CATEGORIES 'D' THROUGH 'F' WITH WIND ULTIMATE SPEED LESS THAN 140 MPH, USE THE FOLLOWING:

MEET THE REQUIREMENTS OF 'A' WITH THE FOLLOWING CHANGES: VENEER TIES TO BE SPACED 16" O.C. VERTICALLY AND 24" O.C. HORIZONTALLY. PROVIDE A CONTINUOUS WIRE SIZE (W2.8 OR 3/16") SPACED 16" O.C. VERTICALLY WITHIN VENEER MORTAR JOINT TO ENGAGE VENEER TIES. (HOHMANN & BARNARD VBT-VEE-BYNA TIE AND SEISMICLIP INTERLOCK SYSTEM (S.I.S.) SEISMIC CLIP WITH DW10-HS ANCHOR PLATE OR EQUAL)
- FOR ULTIMATE WIND SPEED OF 140 MPH THROUGH 170 MPH, USE THE FOLLOWING SPACING IN CONJUNCTION WITH THE REQUIREMENTS OF THE SEISMIC DESIGN CATEGORY (SEE 1 AND 2):

VENEER TIES TO BE SPACED @ 16" O.C. VERTICALLY AND HORIZONTALLY. ADDITIONAL TIES ALONG ALL OPENINGS GREATER THAN 16" ARE REQUIRED TO BE LOCATED WITHIN 12" OF THE OPENING AND SPACED 24" O.C. MAX. AROUND OPENING PERIMETER.

2
S4.0

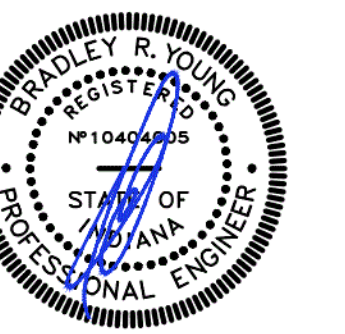
VENEER TIE REQUIREMENTS



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10/13/23

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CLIENT

**McDonald's
USA, LLC**

ADDRESS

**9521 HAVER WAY
INDIANAPOLIS, IN 46240**

SHEET TITLE

STRUCTURAL NOTES

SHEET NUMBER:

S4.0