



ARCHITECTURE

T M P ARCHITECTURE INC
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NEW SMITH MIDDLE SCHOOL
Troy School District - Troy, Michigan 48098

2022 BOND PROGRAM - BID BACKAGE 03B
Project Number 22102
CONSTRUCTION DOCUMENTS

CONSULTANTS:
CIVIL ENGINEER
PEA GROUP
1849 POND RUN
AUBURN HILLS, MICHIGAN 48326
PHONE: (248) 689-9090

STRUCTURAL ENGINEER
WILLIAM A. KIBBE & ASSOCIATES
1475 S. WASHINGTON AVE.
SAGINAW, MICHIGAN 48601
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MECHANICAL ENGINEER
PETER BASSO ASSOCIATES INC.
5145 LIVERNOIS ROAD, SUITE 100
TROY, MICHIGAN 48098-3276
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THEATRICAL CONSULTANT
GREAT LAKES THEATRICAL
3313 YELLOWSTONE DRIVE
ANN ARBOR, MI 48106
PHONE: (810) 813-4691

LIST OF DRAWINGS

Table with 2 columns: Drawing ID, Description. Includes sections for GENERAL INFORMATION, LANDSCAPE, ARCHITECTURAL, STRUCTURAL, CIVIL, MECHANICAL, ELECTRICAL, and THEATRICAL.

LANDSCAPE

Table with 2 columns: Drawing ID, Description. Includes sections for Overall Landscape Plan, Landscape Plan, and Landscape Plan Enlargements.

ARCHITECTURAL

Table with 2 columns: Drawing ID, Description. Includes sections for First Level Composite Plan, Composite Roof Plan, Door & Frame Schedule, and various wall and frame details.

STRUCTURAL

Table with 2 columns: Drawing ID, Description. Includes sections for Structural General Notes, Foundation Plans, and various framing and wall sections.

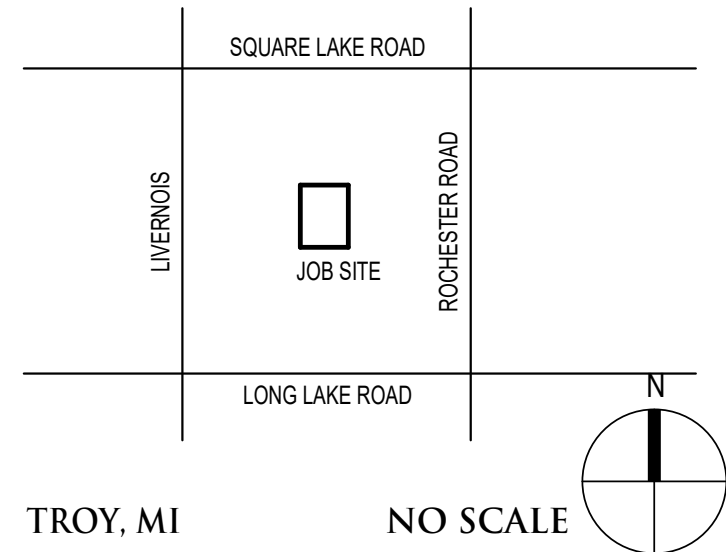
MECHANICAL

Table with 2 columns: Drawing ID, Description. Includes sections for Stair Details, Exterior Elevations, Interior Elevations, and various equipment details.

ELECTRICAL

Table with 2 columns: Drawing ID, Description. Includes sections for First Level Slab and Concrete Finish, and various equipment layouts.

PROJECT DATA:
LOCATION MAP:



TROY, MI NO SCALE
ADDRESS: NEW SMITH MIDDLE SCHOOL
5850 Livernois Road
Troy, Michigan 48098

BUILDING:
BUILDING AREA(S) = 103,803 SF (FIRST LEVEL)
610 SF (MEZZANINE)
21,312 SF (SECOND LEVEL)
125,725 SF (TOTAL)

- GOVERNING CODES:
• 2016 SCHOOL FIRE SAFETY RULES (2012 Life Safety Code, plus amendments)
• 2015 MICHIGAN BUILDING CODE
• 2021 MICHIGAN PLUMBING CODE
• 2022 MICHIGAN MECHANICAL CODE (ANSI/ASHRAE/IESNA Standard 90.1-2013)
• 2022 MICHIGAN ELECTRICAL CODE (ASME A17.1-2010, ASME A18.1-2011)
• MICHIGAN BARRIER FREE CODE (Michigan Building Code 2015 and ICC A117.1-2009)
• 2015 MICHIGAN BOILER CODE RULES (ASME Boiler and Pressure Vessel Code, 2019 edition) (National Board Inspection Code (NBIC), 2019 edition)

USE GROUP CLASSIFICATION: "E" EDUCATION

CONSTRUCTION TYPE: TYPE II (000) LSC TYPE II-B (MBC)

Table with 2 columns: Issue Date, Issued For. Includes dates from 06-18-2024 and descriptions like CONSTRUCTION DOCUMENTS.

LICENSEE'S STATEMENT:

This Document has been prepared under the supervision of the Architect, as the person in Responsible Charge with the firm of TMP ARCHITECTURE, INC. An original embossed or rubber stamp seal and original signature of the Architect is required and shall be affixed to any copy of this Document submitted to a governmental agency for approval or record. This is in conformance with the State of Michigan's PA 299, Article 20 and the General Rules of the Board of Architects.

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REGISTRATION SEALS

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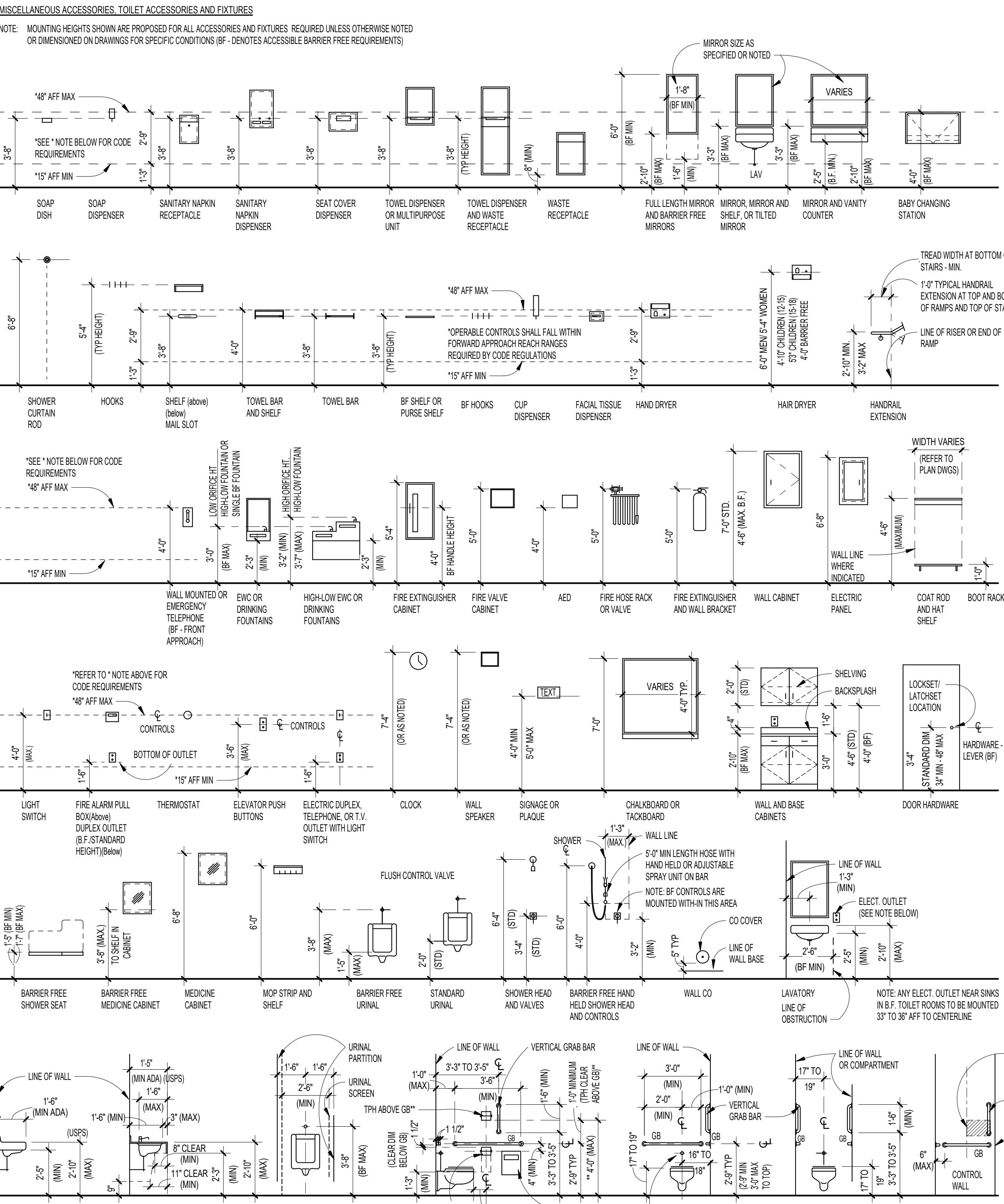
PROJECT TITLE
NEW SMITH MIDDLE SCHOOL

PROJECT NO.
22102
DRAWING NO.
TS.1-03B

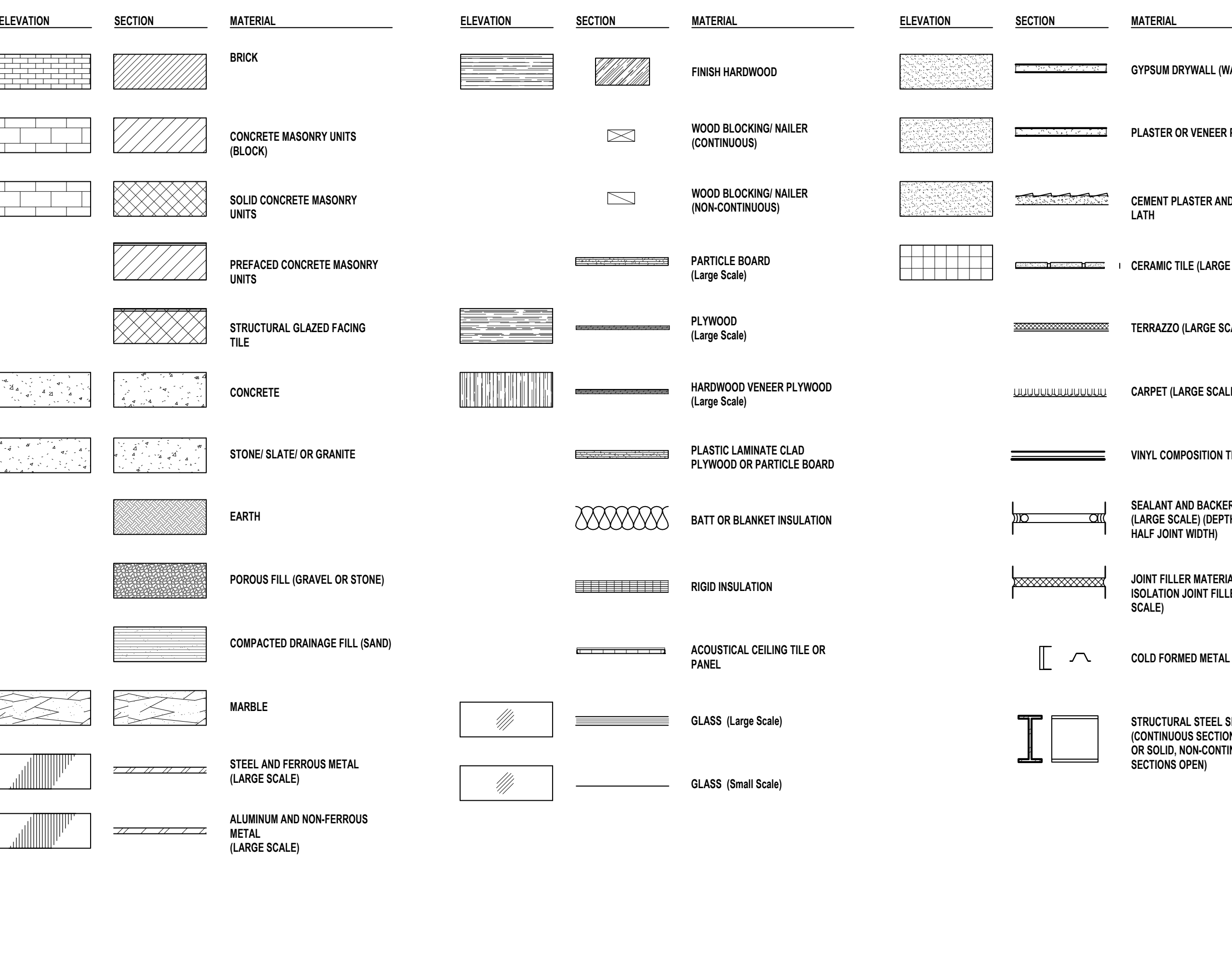
ABBREVIATIONS

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>	<b>K</b>	<b>L</b>	<b>M</b>	<b>N</b>	<b>O</b>	<b>P</b>	<b>Q</b>	<b>R</b>	<b>S</b>	<b>T</b>	<b>U</b>	<b>V</b>	<b>W</b>	<b>X</b>	<b>Y</b>	<b>Z</b>	
ABV ABOVE	BFB BACK-TO-BACK	CAB CABINET	DAMP DAMPER	EA EACH FACE	FAB FABRICATED/FABRIC	GAL GALLON	HDCP HANDICAPPED	ID IDENTIFICATION	JL JANITOR CLOSET	KVP KICK PLATE	LAB LABORATORY	LAM LAMINATED/LAMINATING	NAT NATURAL	OBSC OBSCURE	PAR PAINT	QU QUANTITY	RAB RABBIT	SAN SANITARY	STND STANDPIPE	TAN TANGENT	UO UNDERCUT	VAC VACUUM	WAN WANSLOT	WLD WELDED	Y YARD	Z ZINC
ADU AIR HANDLING UNIT	BLD BUILDING	CLG CEILING	DAMP DAMPER	EACH EACH FACE	FABR FACE-TO-FACE	GALV GALVANIZED	HANDICAPPED	INCAN INCANDESCENT	JANIT JANITOR	KVP KICK PLATE	LAB LABORATORY	LAM LAMINATED/LAMINATING	NAT NATURAL	OBSCURE GLASS	PAINT PAINT	QTY QUANTITY	RAB RABBIT	SANITARY NAPKIN DISPENSER	TANGENT TANGENT	URGR UNDERGRAND	VAC VACUUM	WANSCOT WANSCOT	WLD WELDED	Y YARD	Z ZINC	
AVG AVERAGE	BLM BLOCK	CLHT CEILING HEIGHT	DAMP DAMPER	EAS EAST	FAC FACTORY FINISH	GAS GAS	HARDWARE	INCAN INCANDESCENT	JEK JEK	KVP KICK PLATE	LAV LAVATORY	LAV LAMINATE/LAMINATING	NATURAL	OBSCURE GLASS	PG PAPER	QTR QUARTER	RAD RADIANT	SANITARY NAPKIN DISPENSER	TAN TANGENT	URGR UNDERGRAND	VAC VACUUM	WANSCOT WANSCOT	WLD WELDED	Y YARD	Z ZINC	
	BRT BRASS	CLM CEMENT	DAMP DAMPER	EFC EXTERIOR FINISH	FAN FAN	GAS GAS	HARDWARE	INCAN INCANDESCENT	JEK JEK	KVP KICK PLATE	LAV LAVATORY	LAV LAMINATE/LAMINATING	NATURAL	OBSCURE GLASS	PG PAPER	QTR QUARTER	RAD RADIANT	SANITARY NAPKIN DISPENSER	TAN TANGENT	URGR UNDERGRAND	VAC VACUUM	WANSCOT WANSCOT	WLD WELDED	Y YARD	Z ZINC	

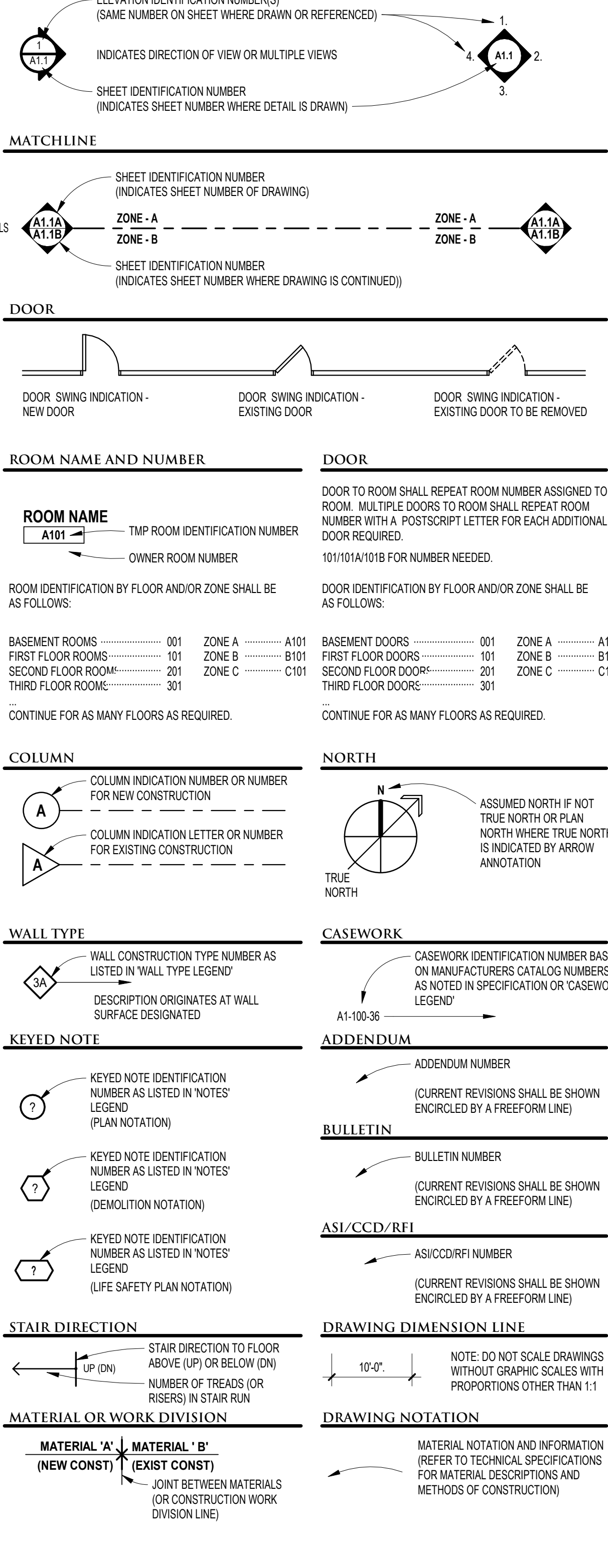
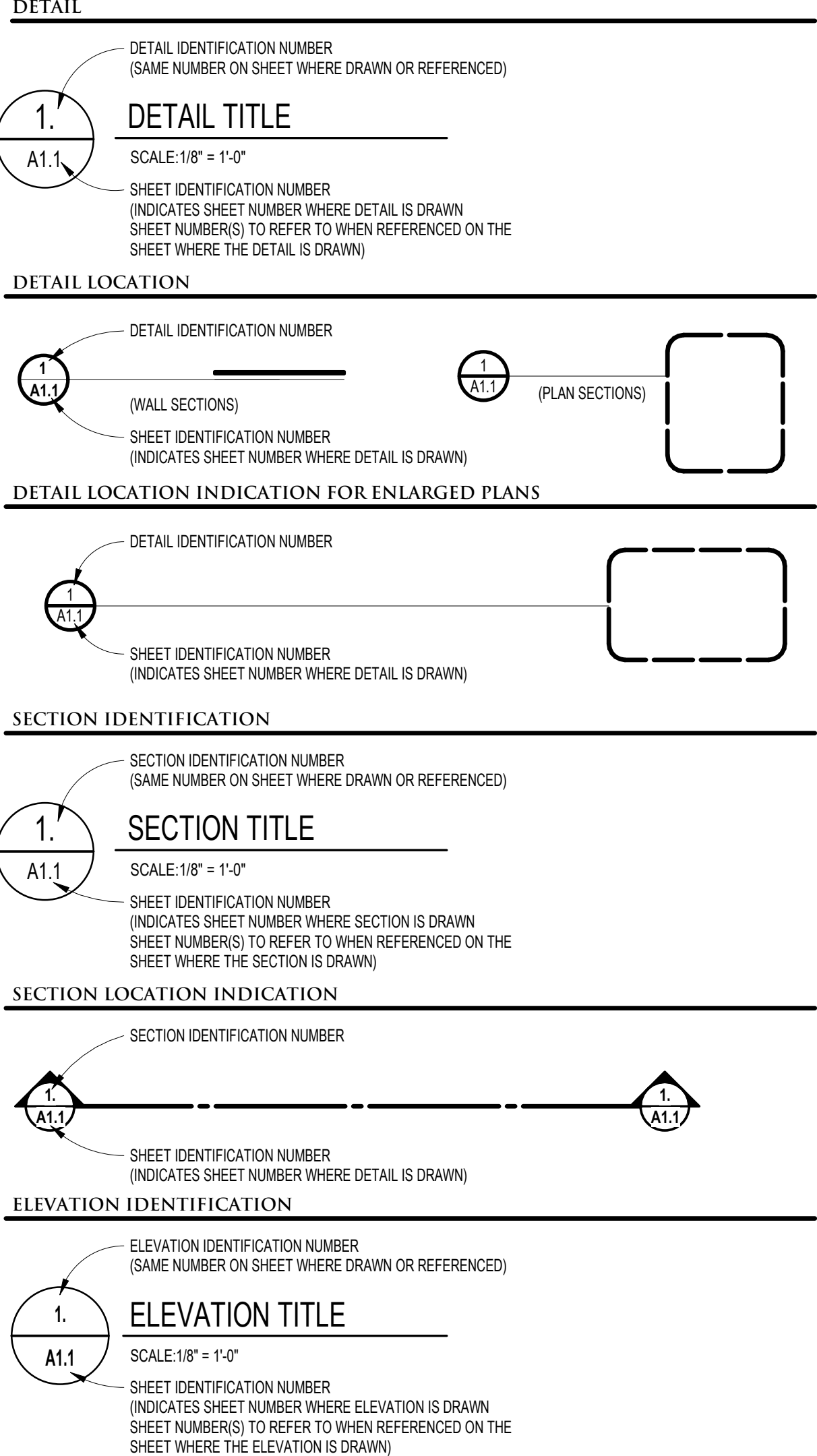
TYPICAL MOUNTING HEIGHTS



MATERIAL DESIGNATIONS



REFERENCE



1919 WEST SQUARE LAKE ROAD  
BLOOMFIELD HILLS - MICHIGAN - 48302  
PH: 248.338.4544 FX: 248.338.0233  
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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE

General Information

ISSUE DATES

DATE	ISSUED FOR
06-18-2024	CONSTRUCTION DOCUMENTS

DRAWN: \_\_\_\_\_  
CHECKED: \_\_\_\_\_  
APPROVED: \_\_\_\_\_  
PROJECT NO. **22102**  
DRAWING NO. **TG.1**





TMP ARCHITECTURE INC  
1191 WEST SQUARE LAKE ROAD  
BLOOMFIELD HILLS - MICHIGAN - 48302  
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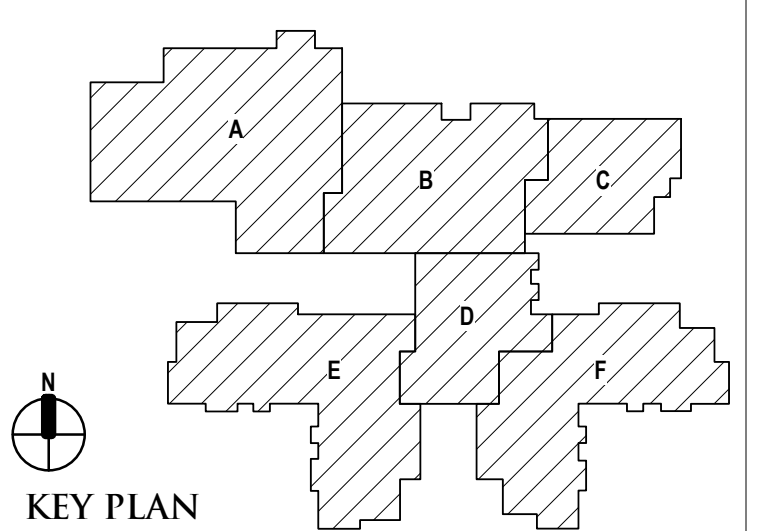
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Second Level Life Safety Plan**



ISSUE DATES

06-18-2024	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:
DRAWN	do
CHECKED	jw
APPROVED	dt

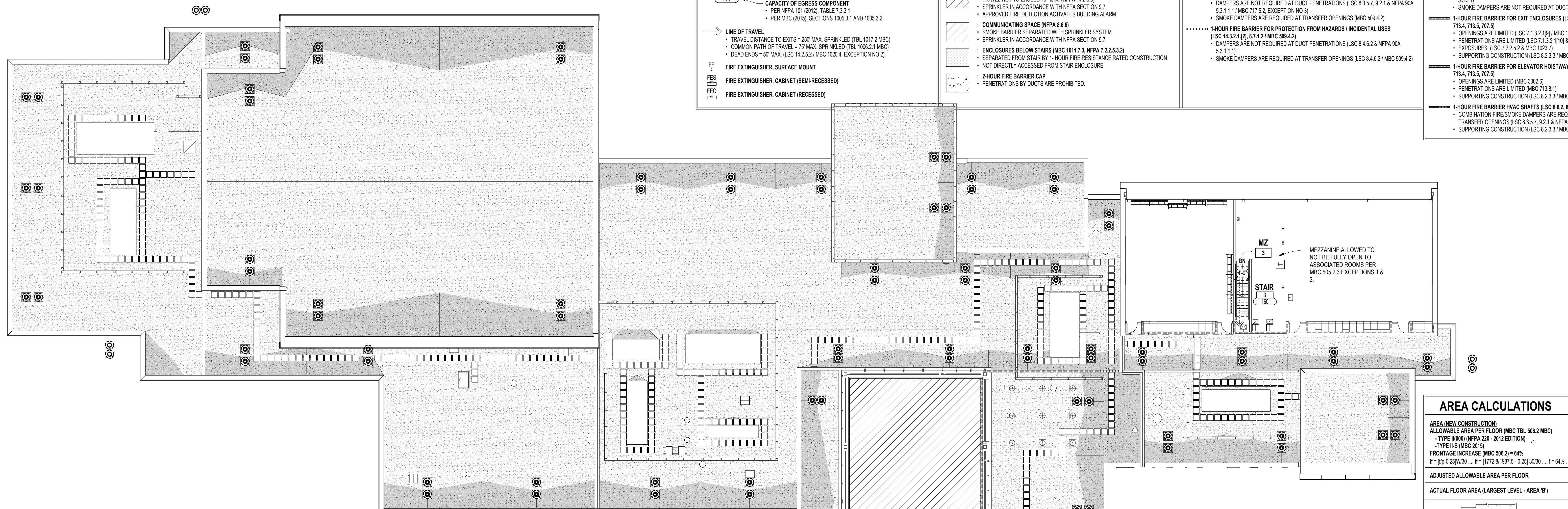
PROJECT NO.

**22102**

DRAWING NO.

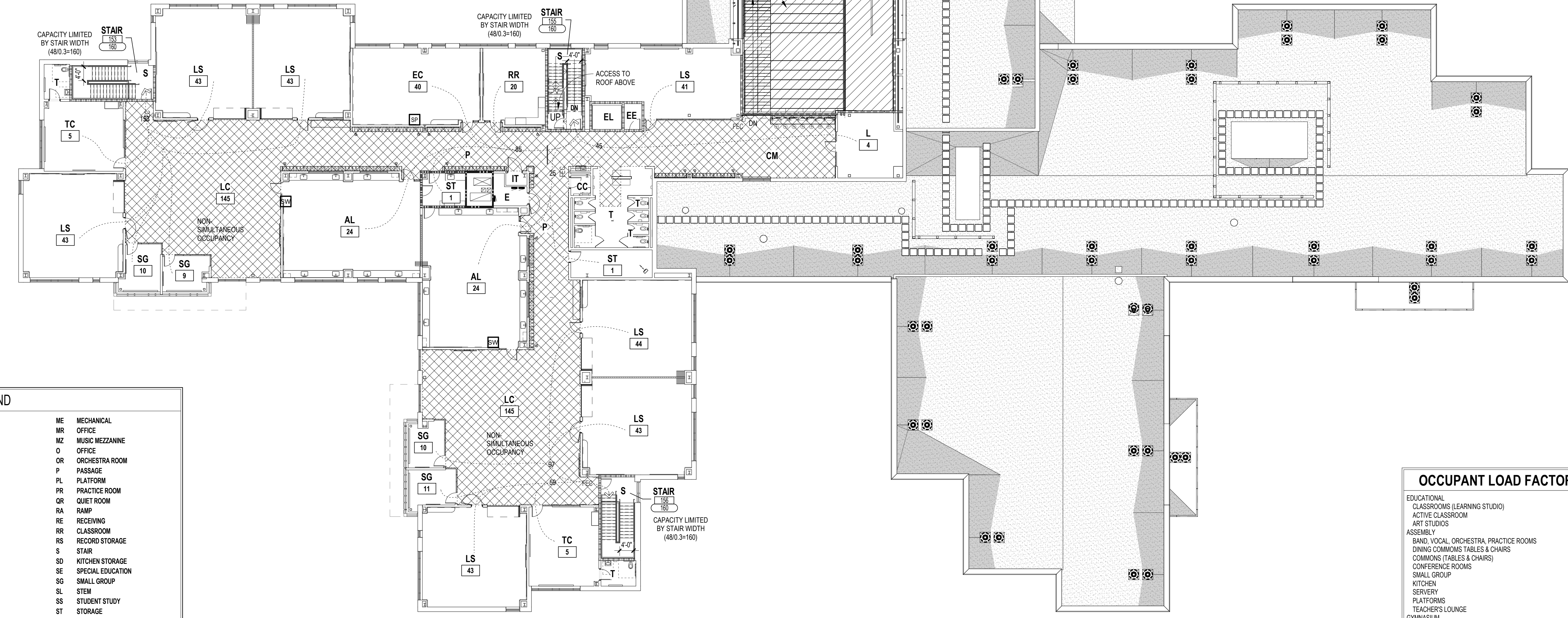
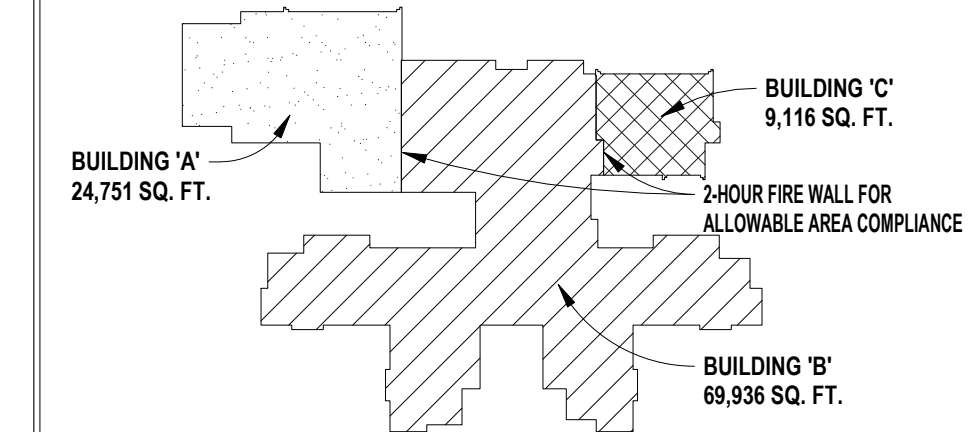
**LS.2**

<p><b>BUILDING DATA</b></p> <ul style="list-style-type: none"> <li>1. SUPERVISED AUTOMATIC SPRINKLER SYSTEM (THROUGHOUT)</li> <li>• FIRE SUPPRESSION TO BE INSTALLED IN NEW CONSTRUCTION</li> <li>• FIRE SUPPRESSION TO BE ADDED TO EXISTING TO REMAIN</li> <li>2. CONSTRUCTION CLASSIFICATION TYPE II(B) (NFPA 220 &amp; IBC (MBC 2015)) 2-STORIES</li> <li>3. USE CLASSIFICATION "E"</li> </ul>	<p><b>LIFE SAFETY PLAN LEGEND CONTINUED</b></p> <p><b>C</b> ROOM USE KEY 125 OCCUPANT LOAD</p> <p>75 CALCULATED OCCUPANT LOAD OF ROOM OR CUMULATIVE OCCUPANT LOAD AT EGRESS COMPONENT CAPACITY OF EGRESS COMPONENT • PER NFPA 101 (2012), TABLE 7.3.3.1 • PER MBC (2015), SECTIONS 1005.3.1 AND 1005.3.2</p> <p>LINE OF TRAVEL • TRAVEL DISTANCE TO EXITS = 250' MAX. SPRINKLED (TBL 1017.2 MBC) • COMMON PATH OF TRAVEL = 75' MAX. SPRINKLED (TBL 1006.2.1 MBC) • DEAD ENDS = 50' MAX. (LSC 14.2.5.2 / MBC 1020.4, EXCEPTION NO. 2)</p> <p>FE FIRE EXTINGUISHER, SURFACE MOUNT FES FIRE EXTINGUISHER, CABINET (SEMI-RECESSED) FEC FIRE EXTINGUISHER, CABINET (RECESSED)</p>	<p><b>LIFE SAFETY PLAN LEGEND CONTINUED</b></p> <ul style="list-style-type: none"> <li>NON-RATED SMOKE BARRIER FLOOR CONSTRUCTION (LSC 8.6.1(1) / MBC 712)</li> <li>FIRE DAMPERS ARE NOT REQUIRED AT DUCTS THAT PENETRATE ONLY ONE FLOOR (MBC 712.1.6, 717.6, 717.6.3)</li> <li>SMOKE DAMPERS ARE REQUIRED AT DUCT PENETRATIONS (LSC 8.6.5.3(5))</li> <li>SMOKE DAMPERS ARE REQUIRED AT TRANSFER OPENINGS (MBC 717.6)</li> <li>INTERVENING SPACE (NFPA 14.2.3.5)</li> <li>TRAVEL NOT TO EXCEED 75' MAX. (NFPA 14.2.3.5)</li> <li>SMOKE DAMPERS ARE NOT REQUIRED AT TRANSFER OPENINGS 9.7</li> <li>APPROVED FIRE DETECTION ACTIVATES BUILDING ALARM</li> <li>COMMUNICATING SPACE (NFPA 8.6.6)</li> <li>SMOKE BARRIER SEPARATED WITH SPRINKLER SYSTEM</li> <li>SPRINKLES IN ACCORDANCE WITH NFPA SECTION 9.7</li> <li>ENCLOSURES BELOW STAIRS (MBC 1011.7.3, NFPA 7.2.2.5.3.2)</li> <li>SEPARATED FROM STAIR BY 1-HOUR FIRE RESISTANCE RATED CONSTRUCTION</li> <li>NOT DIRECTLY ACCESSIBLE FROM STAIR ENCLOSURE</li> <li>2-HOUR FIRE BARRIER GAP</li> <li>PENETRATIONS BY DUCTS ARE PROHIBITED.</li> </ul>	<p><b>LIFE SAFETY PLAN LEGEND CONTINUED</b></p> <ul style="list-style-type: none"> <li>SMOKE PARTITION FOR EGRESS CORRIDORS (LSC 14.3.8(2))</li> <li>DAMPERS ARE NOT REQUIRED AT DUCT PENETRATIONS THAT DO NOT COMMUNICATE WITH CORRIDORS (LSC 8.6.2 &amp; NFPA 90A 5.3.1.1)</li> <li>SMOKE DAMPERS ARE REQUIRED AT TRANSFER OPENINGS (LSC 8.6.2)</li> <li>2-HOUR FIRE BARRIER FOR WIRING, EMERGENCY SYSTEMS (NEC 708.10)</li> <li>1-HOUR FIRE BARRIER FOR SCIENCE LABS (LSC 14.3.2.5, 8.7.4 &amp; NFPA 45 5.1.3)</li> <li>DAMPERS ARE NOT REQUIRED AT DUCT PENETRATIONS (LSC 8.3.5.7, 9.2.1 &amp; NFPA 90A 5.3.1.1, 1.1 / MBC 717.5.2, EXCEPTION NO. 3)</li> <li>SMOKE DAMPERS ARE REQUIRED AT TRANSFER OPENINGS (MBC 509.4.2)</li> <li>1-HOUR FIRE BARRIER FOR PROTECTION FROM HAZARDOUS / INCIDENTAL USES (LSC 14.3.2.1(2), 8.7.1.2 / MBC 509.4.2)</li> <li>DAMPERS ARE NOT REQUIRED AT DUCT PENETRATIONS (LSC 8.6.2 &amp; NFPA 90A 5.3.1.1.1)</li> <li>SMOKE DAMPERS ARE REQUIRED AT TRANSFER OPENINGS (LSC 8.6.2 / MBC 509.4.2)</li> </ul>	<p><b>LIFE SAFETY PLAN LEGEND</b></p> <ul style="list-style-type: none"> <li>2-HOUR FIRE WALL FOR ALLOWABLE AREA COMPLIANCE (LSC 14.16.1 / MBC 903.1, 706)</li> <li>FIRE DAMPERS ARE NOT REQUIRED AT DUCT PENETRATIONS (MBC 706.11)</li> <li>CONTINUITY TERMINATIONS (MBC 706.5, 706.6)</li> <li>NO ROOF PENETRATIONS WITHIN 4'-0" OF FIRE WALL (MBC 706.6(2))</li> <li>SMOKE BARRIER (NON-RATED) FOR VERTICALLY COMMUNICATING SPACES (LSC 8.6.6)</li> <li>SMOKE DAMPERS ARE REQUIRED AT TRANSFER OPENINGS (LSC 8.5.5.2 &amp; NFPA 90A 5.3.1.1)</li> <li>SMOKE DAMPERS ARE NOT REQUIRED AT DUCT PENETRATIONS (LSC 8.5.5.3(9))</li> <li>1-HOUR FIRE BARRIER FOR EXIT ENCLOSURES (LSC 7.1.3.2(1) / MBC 1023.1, 1023.2, 707.3.2, 713.4, 713.5, 707.9)</li> <li>OPENINGS ARE LIMITED (LSC 7.1.3.2(1)(b) / MBC 1023.4, 719)</li> <li>PENETRATIONS ARE LIMITED (LSC 7.1.3.2(1)(c) &amp; MBC 1023.5 &amp; 1023.6, 717.5.2)</li> <li>EXPOSURES (LSC 7.2.2.5.2 &amp; MBC 1023.7)</li> <li>SUPPORTING CONSTRUCTION (LSC 8.2.3.3 / MBC 707.5.1)</li> <li>1-HOUR FIRE BARRIER FOR ELEVATOR HOISTWAYS (LSC 8.6.2, 8.6.5, 9.4.2.1 / MBC 902.1, 713.4, 713.5, 707.9)</li> <li>OPENINGS ARE LIMITED (MBC 3002.6)</li> <li>PENETRATIONS ARE LIMITED (MBC 713.8.1)</li> <li>SUPPORTING CONSTRUCTION (LSC 8.2.3.3 / MBC 707.5.1)</li> <li>1-HOUR FIRE BARRIER HVAC SHAFTS (LSC 8.6.2, 8.6.5 / MBC 712.1.1, 713.4, 713.5, 707.9)</li> <li>DAMPERS ARE NOT REQUIRED AT DUCT PENETRATIONS (LSC 8.3.5.7, 9.2.1 &amp; NFPA 90A 5.3.4.6 / MBC 713.10, 717.5.3)</li> <li>COMBINATION FIRE/SMOKE DAMPERS ARE REQUIRED AT DUCT PENETRATIONS AND TRANSFER OPENINGS (LSC 8.3.5.7, 9.2.1 &amp; NFPA 90A 5.3.4.6 / MBC 713.10, 717.5.3)</li> <li>SUPPORTING CONSTRUCTION (LSC 8.2.3.3 / MBC 707.5.1)</li> </ul>
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**AREA CALCULATIONS**

AREA (NEW CONSTRUCTION)	43,500 sf
ALLOWABLE AREA PER FLOOR (MBC TBL 506.2 MBC)	
-TYPE I(B)(NFPA 220 - 2012 EDITION)	27,840 sf
-TYPE I(B) (MBC 2015)	
FRONTAGE INCREASE (MBC 506.2) = 64%	
If = (95-0.25)(30) ... If = (1772.9/1987.5 - 0.25) 30/30 ... If = 64% ... 0.64x43500 = 27,840	
ADJUSTED ALLOWABLE AREA PER FLOOR	71,340 sf
ACTUAL FLOOR AREA (LARGEST LEVEL - AREA 'B')	69,936 sf



**ROOM USE LEGEND**

AL ACTIVE LAB	ME MECHANICAL
BR BAND ROOM	MZ MUSIC MEZZANINE
C CLOSET	O OFFICE
CD CUSTODIAL CLOSET	OR ORCHESTRA ROOM
CI CORRIDOR	P PASSAGE
CE SPECIAL EDUCATION	PL PLATFORM
CL CLINIC	PR PRACTICE ROOM
CM COMMONS	OR QUIET ROOM
CO CONFERENCE	RA RAMP
CR CHORAL ROOM	RE RECEIVING
DC DINING COMMONS	RR CLASSROOM
E ELECTRICAL	RS RECORD STORAGE
EE ELEVATOR CONTROL	S STAIR
EI SPECIAL EDUCATION	SD KITCHEN STORAGE
EL ELEVATOR	SE SPECIAL EDUCATION
EN ENSEMBLE PRACTICE	SG SMALL GROUP
ESL CLASSROOM	SL STEM
EX EXIT PASSAGE	SS STUDENT STUDY
G GALLERY	ST STORAGE
GM GYMNASIUM	SW STEM WORKSHOP
IT TECH CLOSET	SY SERVERY
K KITCHEN	T TOILET
KR KILN ROOM	TC TEACHER COLLABORATION
L LOUNGE	TL STAFF LOUNGE
LA ANNOUNCEMENTS	TS LOCKER ROOM TOILET
LC LEARNING COMMONS	V VESTIBULE
LF LIFE SKILLS CLASSROOM	VA VISUAL ARTS
LR LOCKER ROOM	WC WELCOME CENTER
LS LEARNING STUDIO	WI KITCHEN COOL STORAGE
LY LOBBY	WL WELLNESS
MC MEDIA CENTER	WR STORAGE
	ZD ZEN DEN

**OCCUPANT LOAD FACTORS (LSC TABLE 7.3.1.2 / MBC TABLE 1004.1.2)**

EDUCATIONAL	
CLASSROOMS (LEARNING STUDIO)	120sf (net)
ACTIVE CLASSROOM	150sf (net)
ART STUDIOS	150sf (net)
ASSEMBLY	
BAND, VOCAL, ORCHESTRA, PRACTICE ROOMS	1/15sf (net)
DINING COMMONS TABLES & CHAIRS	1/15sf (net)
COMMONS TABLES & CHAIRS	1/15sf (net)
CONFERENCE ROOMS	1/15sf (net)
SMALL GROUP	1/15sf (net)
KITCHEN	1/100sf (gross)
SERVERY	1/15sf (net)
PLATFORMS	1/15sf (net)
TEACHER'S LOUNGE	1/15sf (net)
GYMNASIUM	
FLOOR (MAIN COURTSIDELINES)	1/15sf (net)
BLEACHER SEATING	1/10 (net in.)
LOCKER ROOMS	1/15sf (gross)
MEDIA CENTERS (LIBRARIES)	
STACK AREAS	1/100sf (gross)
READING AREAS	1/50sf (net)
COMMON AREAS	1/15sf (net)
BUSINESS OFFICES, STAFF	
PLANNING WORKROOMS	1/100sf (gross)
RECEPTION AREAS	1/100sf (gross)
TEACHER COLLABORATION	1/100sf (gross)
STORAGE	
GENERAL STORAGE	1/300sf (gross)
RECEIVING	1/300sf (gross)
MECHANICAL & ELECTRICAL	1/300sf (gross)

SECOND LEVEL LIFE SAFETY PLAN  
SCALE: 1/16" = 1'-0"

Autodesk Docs/22102\_Troy\_Smith\_MS22102\_ARCH-22.rvt  
6/17/2024 2:48:10 PM

REFERENCE DRAWINGS:	
CABLE	AT&T MAPS A2 & B2, DATED 10/31/2022 WOW CABLE MAP, EMAIL DATED 10/21/2022
FIBER OPTIC	TROY SCHOOLS NETWORK MAP, FIBER LINK EMAIL DATED 10/21/2022
GAS	CONSUMERS MAP 02-61-10-2 DATED 08/01/2022
WATER MAIN	UTILITY MAP, CITY OF TROY EMAIL DATED 10/21/2022
SANITARY SEWER	UTILITY MAP, CITY OF TROY EMAIL DATED 10/21/2022
STORM SEWER	UTILITY MAP, CITY OF TROY EMAIL DATED 10/21/2022
ELECTRIC	HAVE NOT RECEIVED UTILITY MAP AS OF 10/31/2022
TOPOGRAPHIC SURVEY, PEA JOB NO. 2015-294	
TOPOGRAPHIC SURVEY, PEA JOB NO. 2018-450/	

LEGEND:	
OH-ELEC-W-C	EX. OH. ELEC. POLE & GUY WIRE
UG-CATV	EX. U.G. CABLE TV & PEDESTAL
UG-COMM	EX. U.G. COMMUNICATION LINE, PEDESTAL & MANHOLE
UG-ELEC-MH	EX. U.G. ELEC. MANHOLE, METER & HANDHOLE
---	EX. GAS LINE
⊗	EX. GAS VALVE & GAS LINE MARKER
⊠	EX. TRANSFORMER & IRRIGATION VALVE
---	EX. WATER MAIN
⊗	EX. HYDRANT, GATE VALVE & POST INDICATOR VALVE
⊗	EX. WATER VALVE BOX & SHUTOFF
⊗	EX. SANITARY SEWER
⊗	EX. SANITARY CLEANOUT & MANHOLE
⊗	EX. COMBINED SEWER MANHOLE
⊗	EX. STORM SEWER
⊗	EX. CLEANOUT & MANHOLE
⊗	EX. SQUARE, ROUND, & BEEHIVE CATCH BASIN
⊗	EX. UNIDENTIFIED STRUCTURE
⊗	EX. YARD DRAIN & ROOF DRAIN
⊗	EX. FENCE
⊗	EX. GUARD RAIL
⊗	EX. SPOT ELEVATION
⊗	EX. CONTOUR
⊗	EX. WETLAND
⊗	IRON FOUND / SET
⊗	NAIL FOUND / NAIL & CAP SET
⊗	BRASS PLUG SET
⊗	MONUMENT FOUND / SET
⊗	SECTION CORNER FOUND
R M C	RECORDED / MEASURED / CALCULATED

**FLOODPLAIN:**  
PER FLOOD INSURANCE RATE MAP NUMBER 26125C0532F, DATED SEPTEMBER 29, 2006

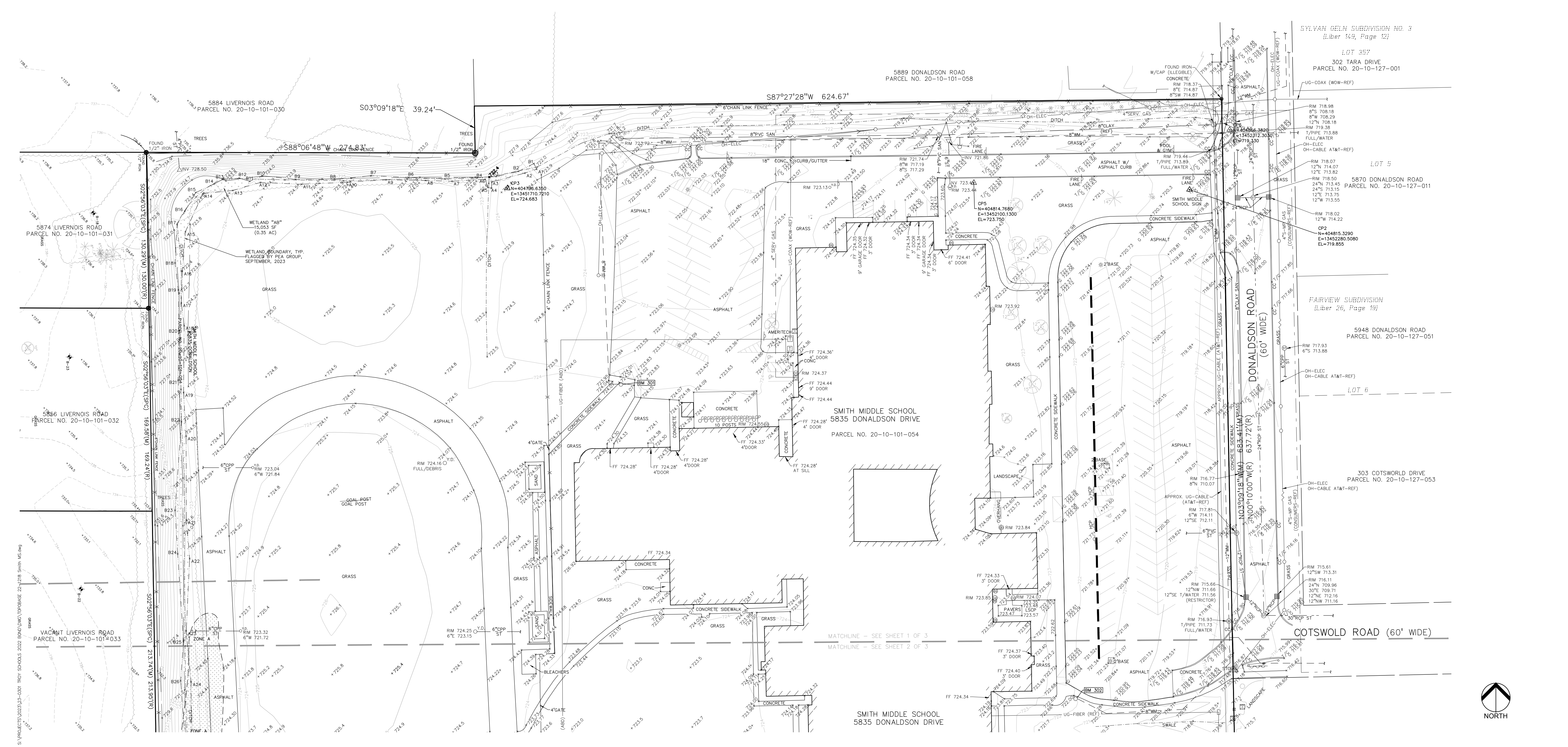
BY GRAPHICAL PLOTTING, THE SITE LIES WITHIN:  
SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD  
THE 1% ANNUAL CHANCE FLOOD (100 YEAR FLOOD), ALSO KNOWN AS THE BASE FLOOD, IS THE FLOOD THAT HAS A 1% CHANCE OF BEING EQUALED OR EXCEEDED IN ANY GIVEN YEAR. THE SPECIAL FLOOD HAZARD AREA IS THE AREA SUBJECT TO FLOODING BY THE 1% ANNUAL CHANCE FLOOD. AREAS OF SPECIAL FLOOD HAZARD INCLUDE ZONES A, AE, AH, AO, AR, A99, V AND VE. THE BASE FLOOD ELEVATION IS THE WATER-SURFACE ELEVATION OF THE 1% ANNUAL CHANCE FLOOD.

OTHER AREAS:  
ZONE A - NO BASE FLOOD ELEVATIONS DETERMINED.  
ZONE X - AREA TO BE DETERMINED OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN.

**LEGAL DESCRIPTION:**  
PARCEL ID 20-10-101-054  
Land in the City of Troy, Oakland County, Michigan, described as follows:  
R2N, R11E, SEC 10 PART OF NW 1/4 BEG AT PT DIST S 571.05 FT & S 89-57-00 E 697.50 FT & S 00-10-00 E 189.24 FT FROM NW SEC COR, TH S 89-40-00 E 624.96 FT, TH S 00-10-00 E 683.20 FT, TH N 89-08-00 W 901.78 FT, TH N 10-10-00 W 637.72 FT, TH S 89-02-00 E 275.00 FT, TH N 00-10-00 W 39.24 FT TO BEG. 13.79 A.

PARCEL ID 20-10-101-022  
Land in the City of Troy, Oakland County, Michigan, described as follows:  
T2N, R11E, SEC 10 SUPERVISOR'S PLAT NO 25 LOTS 5, 6 & 7, ALSO E 900 FT OF LOTS 8 & 9, ALSO LOT 10 EXC W 307.82 FT OF S 104.29 FT

**BENCHMARKS:**  
(GPS DERIVED - NAVD83)  
BM #307  
ARROW ON A HYDRANT LOCATED AT THE SOUTHWEST CORNER OF THE FRONT PARKING LOT.  
ELEV. - 724.13  
BM #308  
ARROW ON A HYDRANT LOCATED AT THE SOUTHWEST CORNER OF THE BACK PARKING LOT.  
ELEV. - 726.34



TMP ARCHITECTURE INC  
1991 WEST SQUARE LAKE ROAD  
BLOOMFIELD HILLS - MICHIGAN - 48302  
PH - 248.338.6561 EX - 248.338.0223  
EM - INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT



t 844.813.2949  
www.peagroup.com

PROJECT TITLE  
**New Smith Middle School Bid Package No. 03C**

Troy School District  
Troy, Michigan

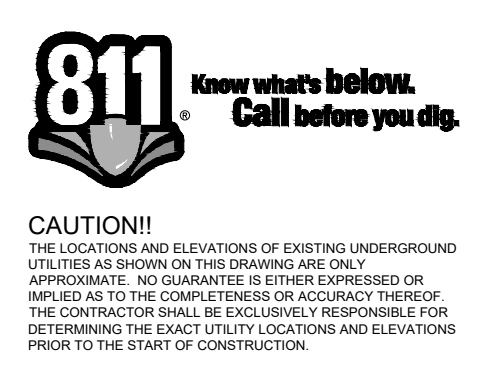
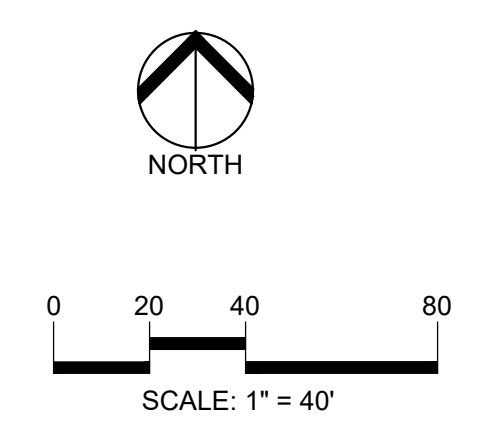
DRAWING TITLE  
**TOPOGRAPHIC SURVEY - 1 OF 3**

ISSUE DATES

DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS
DRAWN	JW
CHECKED	TD
APPROVED	TD

PROJECT NO.  
**22102**

DRAWING NO.  
**C-1.0**



**CAUTION!**  
THE INFORMATION AND DATA ON WHICH THIS DRAWING IS BASED IS THE PROPERTY OF THE ENGINEER AND ARCHITECT. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF UTILITIES AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.



TMP ARCHITECTURE INC  
191 WEST SQUARE LAKE ROAD  
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PROJECT TITLE  
**New Smith Middle School  
Bid Package No. 03C**

Troy School District  
Troy, Michigan

DRAWING TITLE  
**TOPOGRAPHIC  
SURVEY - 2 OF 3**

ISSUE DATES

DATE ISSUED FOR:

DRAWN JW  
CHECKED TD  
APPROVED TD

PROJECT NO.  
**22102**  
DRAWING NO.  
**C-1.1**

**REFERENCE DRAWINGS:**

CABLE	AT&T MAPS A2 & B2, DATED 10/31/2022 WOW CABLE MAP, EMAIL DATED 10/21/2022
FIBER OPTIC	TROY SCHOOLS NETWORK MAP, FIBER LINK EMAIL DATED 10/21/2022
GAS	CONSUMERS MAP 02-61-10-2 DATED 08/10/2022
WATER MAIN	UTILITY MAP, CITY OF TROY EMAIL DATED 10/21/2022
SANITARY SEWER	UTILITY MAP, CITY OF TROY EMAIL DATED 10/21/2022
STORM SEWER	UTILITY MAP, CITY OF TROY EMAIL DATED 10/21/2022
ELECTRIC	HAVE NOT RECEIVED UTILITY MAP AS OF 10/31/2022
TOPOGRAPHIC SURVEY, PEA JOB NO. 2015-294	
TOPOGRAPHIC SURVEY, PEA JOB NO. 2018-450/	

**LEGEND:**

-OH-ELEC-VV-O-	EX. OH. ELEC. POLE & GUY WIRE
UG-CATV	EX. U.G. CABLE TV & PEDESTAL
UG-COMM-99-O-	EX. U.G. COMMUNICATION LINE, PEDESTAL & MANHOLE
UG-ELEC-99-O-	EX. U.G. ELEC. MANHOLE, METER & HANDHOLE
- - - - -	EX. GAS LINE
⊗	EX. GAS VALVE & GAS LINE MARKER
⊠	EX. TRANSFORMER & IRRIGATION VALVE
- - - - -	EX. WATER MAIN
⊗	EX. HYDRANT, GATE VALVE & POST INDICATOR VALVE
⊗	EX. WATER VALVE BOX & SHUTOFF
⊗	EX. SANITARY SEWER
⊗	EX. SANITARY CLEANOUT & MANHOLE
⊗	EX. COMBINED SEWER MANHOLE
⊗	EX. STORM SEWER
⊗	EX. CLEANOUT & MANHOLE
⊗	EX. SQUARE, ROUND, & BEEHIVE CATCH BASIN
⊗	EX. YARD DRAIN & ROOF DRAIN
⊗	EX. UNIDENTIFIED STRUCTURE
⊗	EX. MAILBOX, SIGN & LIGHTPOLE
- - - - -	EX. FENCE
- - - - -	EX. GUARD RAIL
⊗	EX. SPOT ELEVATION
- - - - -	EX. CONTOUR
- - - - -	EX. WETLAND
⊗	IRON FOUND / SET
⊗	NAIL FOUND / NAIL & CAP SET
⊗	BRASS PLUG SET
⊗	MONUMENT FOUND / SET
⊗	SECTION CORNER FOUND
R M C	RECORDED / MEASURED / CALCULATED

**FLOODPLAIN:**  
PER FLOOD INSURANCE RATE MAP NUMBER 26125C0532F, DATED SEPTEMBER 29, 2006

BY GRAPHICAL PLOTTING, THE SITE LIES WITHIN:  
SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD  
THE 1% ANNUAL CHANCE FLOOD (100 YEAR FLOOD), ALSO KNOWN AS THE BASE FLOOD, IS THE FLOOD THAT HAS A 1% CHANCE OF BEING EQUALED OR EXCEEDED IN ANY GIVEN YEAR. THE SPECIAL FLOOD HAZARD AREA IS THE AREA SUBJECT TO FLOODING BY THE 1% ANNUAL CHANCE FLOOD. AREAS OF SPECIAL FLOOD HAZARD INCLUDE ZONES A, AE, AH, AO, AR, A99, V AND VE. THE BASE FLOOD ELEVATION IS THE WATER-SURFACE ELEVATION OF THE 1% ANNUAL CHANCE FLOOD.

ZONE A - NO BASE FLOOD ELEVATIONS DETERMINED.  
OTHER AREAS  
ZONE X  
AREA TO BE DETERMINED OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN.

**LEGAL DESCRIPTION:**

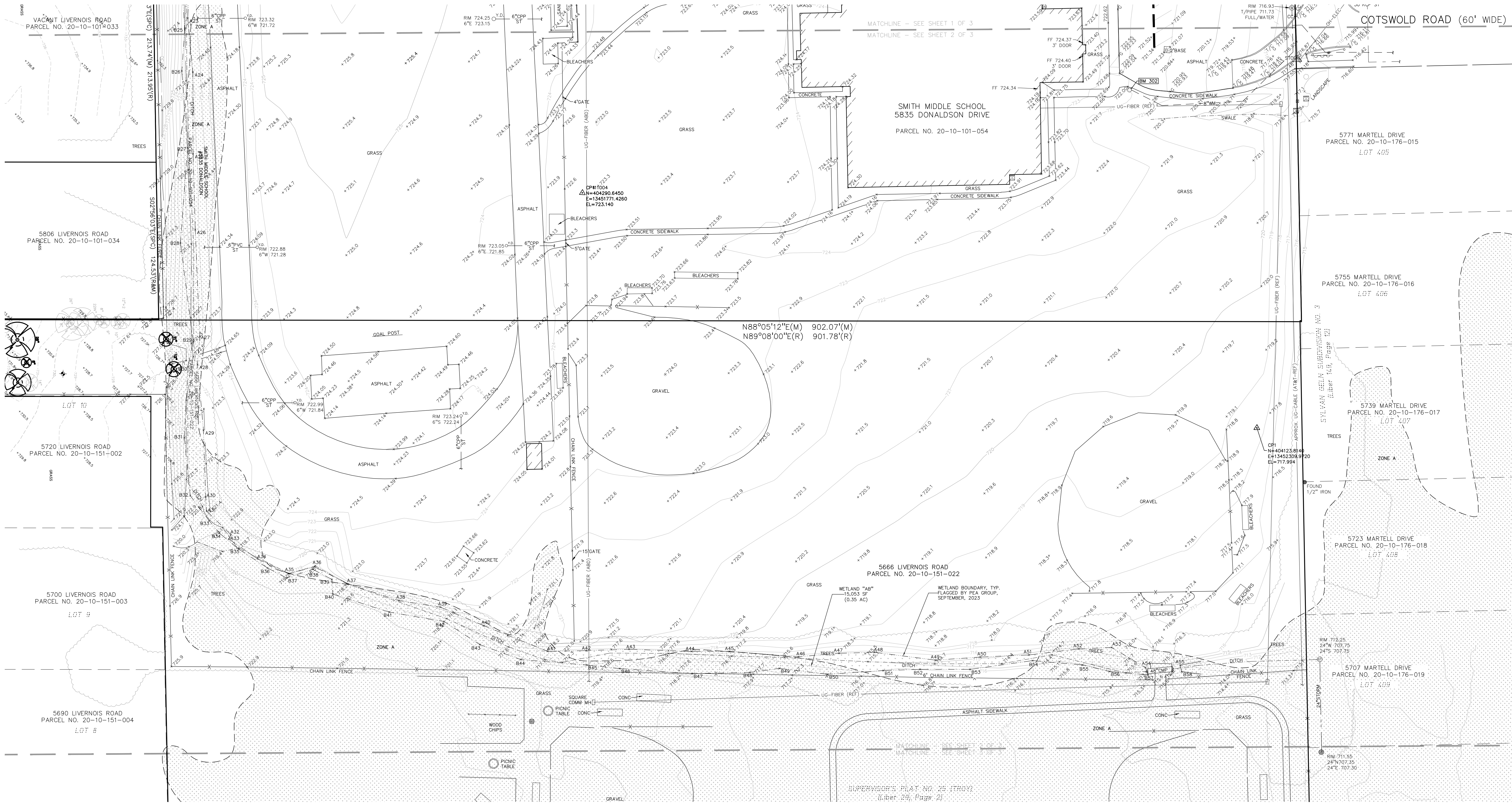
PARCEL ID 20-10-101-054  
Land in the City of Troy, Oakland County, Michigan, described as follows:  
T2N, R11E, SEC 10 PART OF NW 1/4 BEG AT PT DIST S 571.05 FT & S 89.57-00 E 697.50 FT & S 00-10-00 E 189.24 FT FROM NW SEC COR, TH S 89-40-00 E 624.96 FT, TH S 00-10-00 E 683.20 FT, TH N 89-08-00 W 901.78 FT, TH N 10-10-00 W 637.72 FT, TH S 89-02-00 E 275.00 FT, TH N 00-10-00 W 39.24 FT TO BEG. 13.79 A.

PARCEL ID 20-10-101-022  
Land in the City of Troy, Oakland County, Michigan, described as follows:  
T2N, R11E, SEC 10 SUPERVISOR'S PLAT NO 25 LOTS 5, 6 & 7, ALSO E 900 FT OF LOTS 8 & 9, ALSO LOT 10 EXC W 307.62 FT OF S 104.29 FT

**BENCHMARKS:**  
(GPS DERIVED - NAVD83)

BM #300  
ARROW ON A HYDRANT LOCATED AT THE SOUTHWEST CORNER OF THE FRONT PARKING LOT.  
ELEV. - 724.13

BM #301  
ARROW ON A HYDRANT LOCATED ON THE SOUTHWEST CORNER OF THE BACK PARKING LOT.  
ELEV. - 726.34



0 20 40 80  
SCALE: 1" = 40'



**CAUTION!**  
THE DISCLOSURE AND ELIMINATION OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE IS MADE OR EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY HEREOF. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITIES LOCATIONS AND DEPTHS PRIOR TO THE START OF CONSTRUCTION.



TMP ARCHITECTURE INC  
1191 WEST SQUARE LAKE ROAD  
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REGISTRATION SEAL

CONSULTANT



PEA GROUP  
t 844.813.2949  
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PROJECT TITLE  
**New Smith Middle School Bid Package No. 03C**

Troy School District  
Troy, Michigan

DRAWING TITLE  
**TOPOGRAPHIC SURVEY - 3 OF 3**

ISSUE DATES

DATE	ISSUED FOR:
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CHECKED	TD
APPROVED	TD

PROJECT NO.  
**22102**  
DRAWING NO.  
**C-1.2**

**REFERENCE DRAWINGS:**

CABLE	AT&T MAPS A2 & B2, DATED 10/31/2022 WOW CABLE MAP, EMAIL DATED 10/21/2022
FIBER OPTIC	TROY SCHOOLS NETWORK MAP, FIBER LINK EMAIL DATED 10/21/2022
GAS	CONSUMERS MAP 02-41-10-2 DATED 08/01/2022
WATER MAIN	UTILITY MAP, CITY OF TROY EMAIL DATED 10/21/2022
SANITARY SEWER	UTILITY MAP, CITY OF TROY EMAIL DATED 10/21/2022
STORM SEWER	UTILITY MAP, CITY OF TROY EMAIL DATED 10/21/2022
ELECTRIC	HAVE NOT RECEIVED UTILITY MAP AS OF 10/31/2022
TOPOGRAPHIC SURVEY, PEA JOB NO. 2015-294	
TOPOGRAPHIC SURVEY, PEA JOB NO. 2018-450/	

**LEGEND:**

OH-ELEC-VV-O-C	EX. OH. ELEC. POLE & GUY WIRE
UG-CATV-—-B	EX. U.G. CABLE TV & PEDESTAL
UG-COMM-—-B-O	EX. U.G. COMMUNICATION LINE, PEDESTAL & MANHOLE
UG-ELEC-—-B-O	EX. U.G. ELEC. MANHOLE, METER & HANDHOLE
---	EX. GAS LINE
□	EX. GAS VALVE & GAS LINE MARKER
□	EX. TRANSFORMER & IRRIGATION VALVE
---	EX. WATER MAIN
⊗	EX. HYDRANT, GATE VALVE & POST INDICATOR VALVE
⊗	EX. WATER VALVE BOX & SHUTOFF
⊗	EX. SANITARY SEWER
⊗	EX. SANITARY CLEANOUT & MANHOLE
⊗	EX. COMBINED SEWER MANHOLE
---	EX. STORM SEWER
⊗	EX. CLEANOUT & MANHOLE
⊗	EX. SQUARE, ROUND, & BEEHIVE CATCH BASIN
⊗	EX. YARD DRAIN & ROOF DRAIN
⊗	EX. UNIDENTIFIED STRUCTURE
⊗	EX. MALBOX, SIGN & LIGHTPOLE
---	EX. FENCE
---	EX. GUARD RAIL
---	EX. SPOT ELEVATION
---	EX. CONTOUR
---	EX. WETLAND
⊗	IRON FOUND / SET
⊗	NAIL FOUND / NAIL & CAP SET
⊗	BRASS PLUG SET
⊗	MONUMENT FOUND / SET
⊗	SECTION CORNER FOUND
R M C	RECORDED / MEASURED / CALCULATED

**FLOODPLAIN:**  
PER FLOOD INSURANCE RATE MAP NUMBER 26125C0532F, DATED SEPTEMBER 29, 2006

BY GRAPHICAL PLOTTING, THE SITE LIES WITHIN SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD (THE 1% ANNUAL CHANCE FLOOD (100 YEAR FLOOD), ALSO KNOWN AS THE BASE FLOOD, IS THE FLOOD THAT HAS A 1% CHANCE OF BEING EQUALED OR EXCEEDED IN ANY GIVEN YEAR. THE SPECIAL FLOOD HAZARD AREA IS THE AREA SUBJECT TO FLOODING BY THE 1% ANNUAL CHANCE FLOOD. AREAS OF SPECIAL FLOOD HAZARD INCLUDE ZONES A, AE, AH, AO, AR, A99, V AND VE. THE BASE FLOOD ELEVATION IS THE WATER-SURFACE ELEVATION OF THE 1% ANNUAL CHANCE FLOOD.

ZONE A - NO BASE FLOOD ELEVATIONS DETERMINED.

OTHER AREAS  
ZONE X  
AREA TO BE DETERMINED OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN.

**LEGAL DESCRIPTION:**

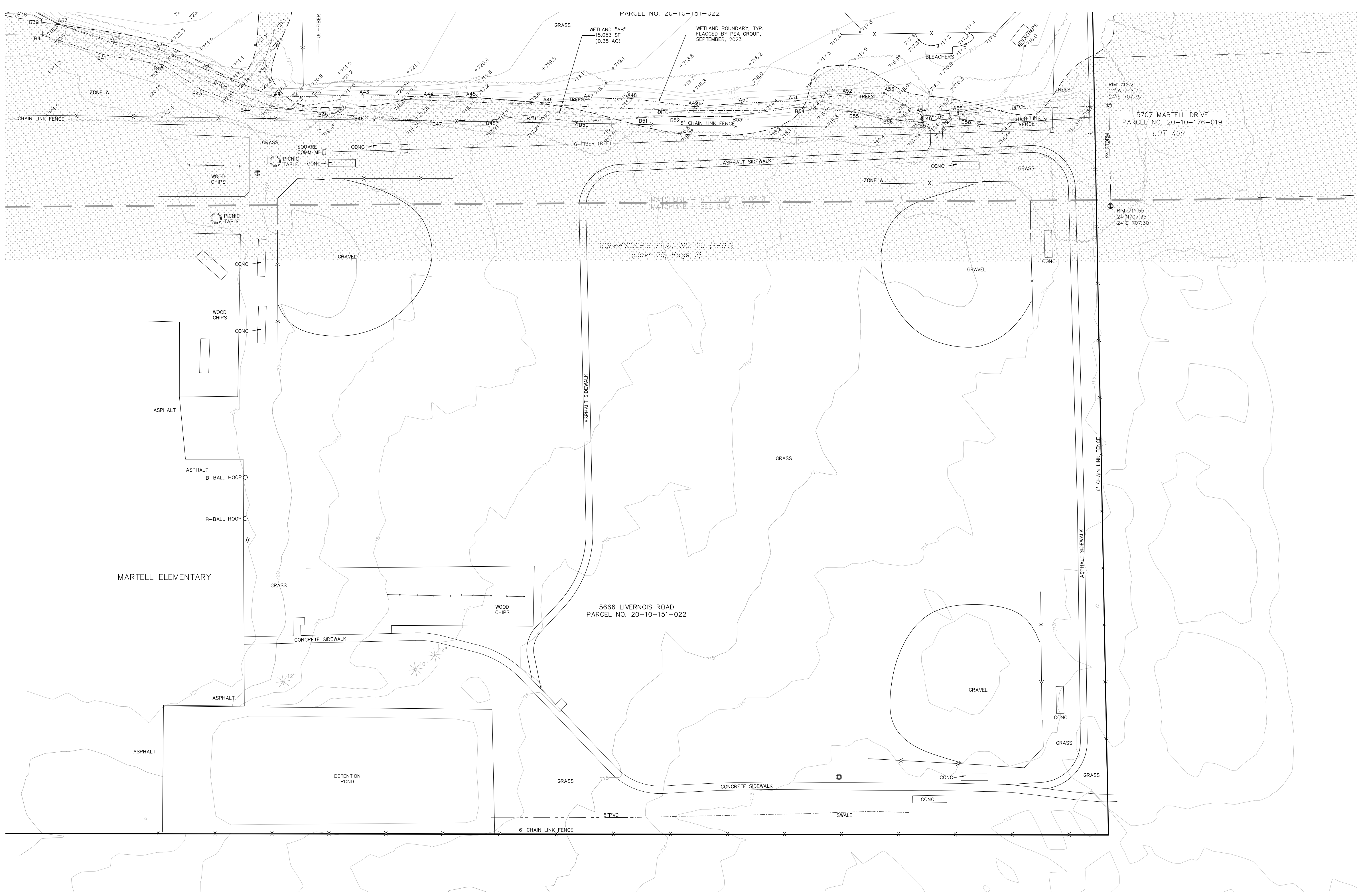
PARCEL ID 20-10-101-054  
Land in the City of Troy, Oakland County, Michigan, described as follows:  
T2N, R11E, SEC 10 PART OF NW 1/4 BEG AT PT DIST S 571.05 FT & S 89.57-00 E 697.50 FT & S 00-10-00 E 189.24 FT FROM NW SEC COR, TH S 89-40-00 E 624.96 FT, TH S 00-10-00 E 693.20 FT, TH N 89-08-00 W 901.78 FT, TH N 00-10-00 W 637.72 FT, TH S 89-02-00 E 275.00 FT, TH N 00-10-00 W 39.24 FT TO BEG 13.79 A

PARCEL ID 20-10-151-022  
Land in the City of Troy, Oakland County, Michigan, described as follows:  
T2N, R11E, SEC 10 SUPERVISOR'S PLAT NO 25 LOTS 5, 6 & 7, ALSO E 900 FT OF LOTS 8 & 9, ALSO LOT 10 EXC W 37.82 FT OF S 124.29 FT

**BENCHMARKS:**  
(GPS DERIVED - NAVD83)

BM #300  
ARROW ON A HYDRANT LOCATED AT THE SOUTHWEST CORNER OF THE FRONT PARKING LOT.  
ELEV. - 724.13

BM #301  
ARROW ON A HYDRANT LOCATED ON THE SOUTHWEST CORNER OF THE BACK PARKING LOT.  
ELEV. - 726.34



0 20 40 80  
SCALE: 1" = 40'



**CAUTION!**  
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REGISTRATION SEAL

CONSULTANT



PROJECT TITLE  
**New Smith Middle School Bid Package No. 03C**

Troy School District  
Troy, Michigan

DRAWING TITLE  
**TOPOGRAPHIC SURVEY - LIVERNOIS ROAD - 1 OF 2**

ISSUE DATES

DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS
DRAWN	JW
CHECKED	TD
APPROVED	TD

PROJECT NO.  
**22102**  
DRAWING NO.  
**C-1.3**

**LEGAL DESCRIPTION:**  
(PER OAKLAND COUNTY)

PARCEL ID 20-10-101-031  
Land in the City of Troy, Oakland County, Michigan, described as follows:  
T2N, R11E, SEC 10 PART OF NW 1/4 BEG AT PT DIST S 780.53 FT & S 88-57-00 E 33 FT FROM NW SEC COR, TH S 89-02-00 E 390.03 FT, TH S 00-10-00 E 130 FT, TH N 89-02-00 W 390.41 FT, TH N 130 FT TO BEG EXC W 27 FT

PARCEL ID 20-10-101-032  
Land in the City of Troy, Oakland County, Michigan, described as follows:  
T2N, R11E, SEC 10 PART OF NW 1/4 BEG AT PT DIST S 571.05 FT & S 88-57-00 E 33 FT & S 339.48 FT FROM NW SEC COR, TH S 89-02-00 E 390.41 FT, TH S 00-10-00 E 169.24 FT, TH N 89-04-00 W 390.87 FT, TH N 169.74 FT TO BEG 1.52 A

PARCEL ID 20-10-101-033  
Land in the City of Troy, Oakland County, Michigan, described as follows:  
T2N, R11E, SEC 10 PART OF NW 1/4 BEG AT PT DIST S 1089.39 FT FROM NW SEC COR, TH S 89-04-00 E 423.87 FT, TH S 00-10-00 E 213.95 FT, TH N 89-08-00 W 424.42 FT, TH N 215.03 FT TO BEG

PARCEL ID 20-10-101-054  
Land in the City of Troy, Oakland County, Michigan, described as follows:  
T2N, R11E, SEC 10 PART OF NW 1/4, THE NORTH 60 FEET OF THE WEST 364.77 OF THE PARCEL BEG AT PT DIST S 571.05 FT & S 88-57-00 E 897.50 FT & S 00-10-00 E 169.24 FT FROM NW SEC COR, TH S 89-04-00 E 604.86 FT, TH S 00-10-00 E 883.20 FT, TH N 89-08-00 W 891.78 FT, TH N 00-10-00 W 637.72 FT, TH S 89-02-00 E 275.00 FT, TH N 00-10-00 W 39.24 FT TO BEG

**FLOODPLAIN NOTE:**

BY GRAPHICAL PLOTTING, SITE IS WITHIN ZONE "X", AREA DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN PER FLOOD INSURANCE RATE MAP NUMBER 26125C032P DATED SEPTEMBER 29, 2006.

**BENCHMARKS:**  
(GPS DERIVED - NAVD83)

BM #302  
ARROW ON A HYDRANT LOCATED ON THE EAST SIDE OF LIVERNOIS ROAD IN FRONT OF HOUSE #5874  
ELEV. - 743.74

BM #303  
ARROW ON HYDRANT LOCATED ON THE EAST SIDE OF LIVERNOIS ROAD IN FRONT OF HOUSE #5806  
ELEV. - 741.26

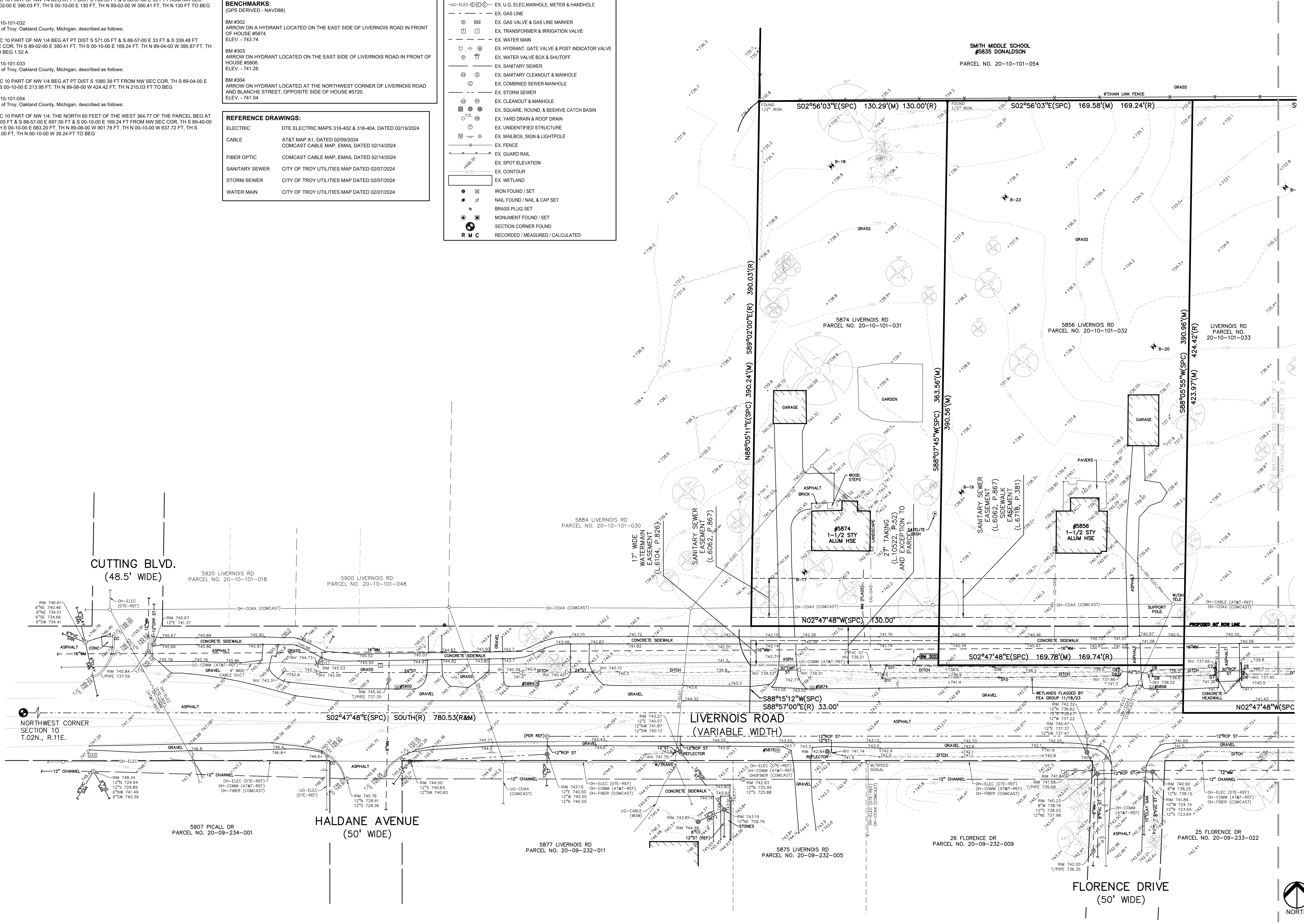
BM #304  
ARROW ON HYDRANT LOCATED AT THE NORTHWEST CORNER OF LIVERNOIS ROAD AND BLANCHE STREET, OPPOSITE SIDE OF HOUSE #5720.  
ELEV. - 741.04

**REFERENCE DRAWINGS:**

ELECTRIC DTE ELECTRIC MAPS 316-402 & 316-404, DATED 01/19/2024  
CABLE AT&T MAP A.1, DATED 02/09/2024  
COMCAST CABLE MAP, EMAIL DATED 02/14/2024  
FIBER OPTIC COMCAST CABLE MAP, EMAIL DATED 02/14/2024  
SANITARY SEWER CITY OF TROY UTILITIES MAP DATED 02/07/2024  
STORM SEWER CITY OF TROY UTILITIES MAP DATED 02/07/2024  
WATER MAIN CITY OF TROY UTILITIES MAP DATED 02/07/2024

**LEGEND:**

- OH-ELEC-W-O- EX. OH. ELEC. POLE & GUY WIRE
- UG-CATV- EX. U.G. CABLE TV & PEDESTAL
- UG-COMM- EX. U.G. COMMUNICATION LINE, PEDESTAL & MANHOLE
- UG-ELEC- EX. U.G. ELEC. MANHOLE, METER & HANDHOLE
- GAS LINE
- EX. GAS VALVE & GAS LINE MARKER
- EX. TRANSFORMER & IRRIGATION VALVE
- EX. WATER MAIN
- EX. HYDRANT, GATE VALVE & POST INDICATOR VALVE
- EX. WATER VALVE BOX & SHUTOFF
- EX. SANITARY SEWER
- EX. SANITARY CLEANOUT & MANHOLE
- EX. COMBINED SEWER MANHOLE
- EX. STORM SEWER
- EX. CLEANOUT & MANHOLE
- EX. SQUARE, ROUND, & BEEHIVE CATCH BASIN
- EX. YARD DRAIN & ROOF DRAIN
- EX. UNIDENTIFIED STRUCTURE
- EX. MAILBOX, SIGN & LIGHTPOLE
- EX. FENCE
- EX. GUARD RAIL
- EX. SPOT ELEVATION
- EX. CONTOUR
- EX. WETLAND
- IRON FOUND / SET
- NAIL FOUND / NAIL & CAP SET
- BRASS PLUG SET
- MONUMENT FOUND / SET
- SECTION CORNER FOUND
- RECORDED / MEASURED / CALCULATED



**CAUTION!**  
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REGISTRATION SEAL

CONSULTANT



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www.peagroup.com

PROJECT TITLE  
**New Smith Middle School  
Bid Package No. 03C**

Troy School District  
Troy, Michigan

DRAWING TITLE  
**TOPOGRAPHIC  
SURVEY -  
LIVERNOIS ROAD  
- 2 OF 2**

ISSUE DATES

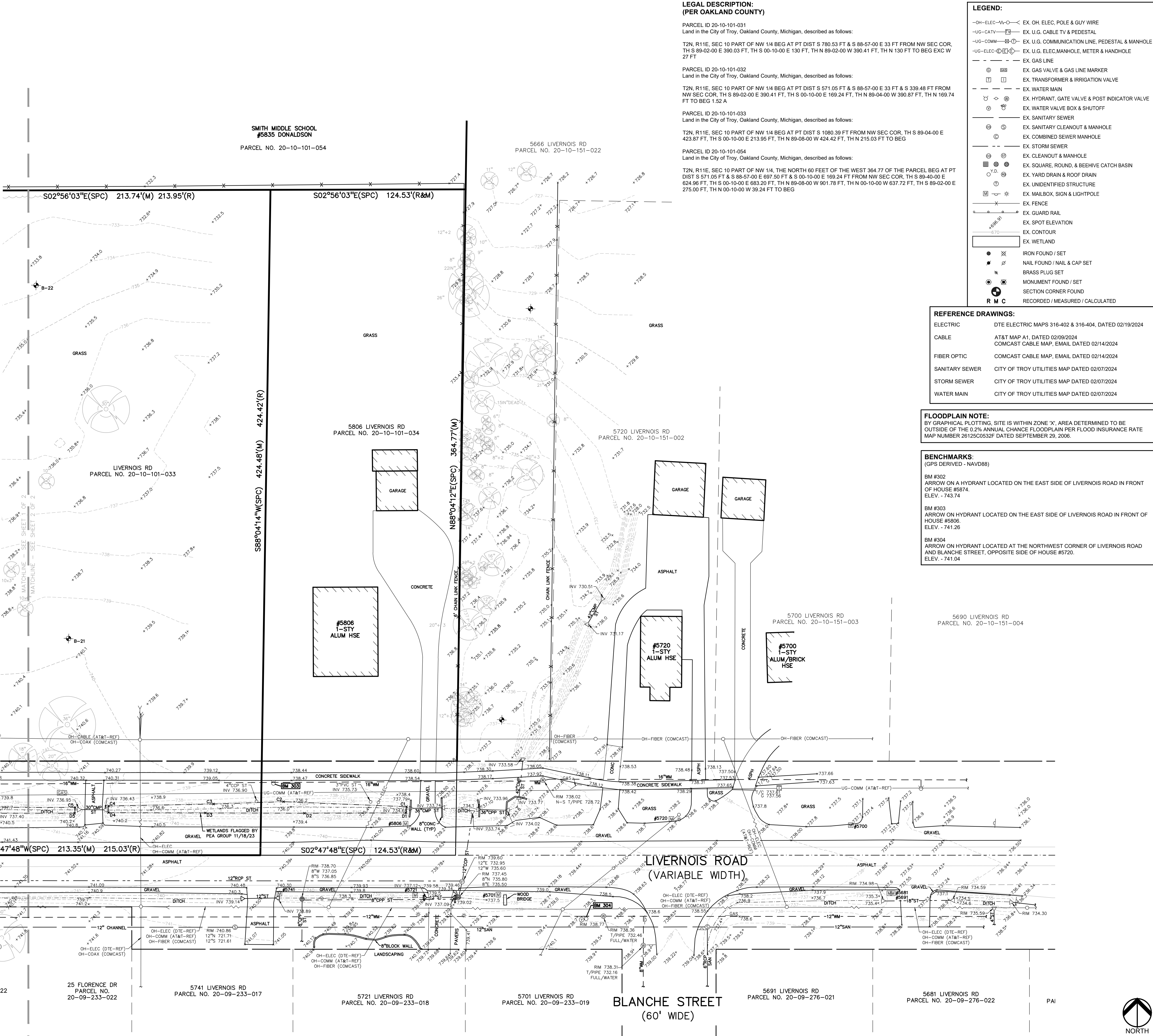
06-18-2024	CONSTRUCTION DOCUMENTS
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DATE	ISSUED FOR:
DRAWN	JW
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PROJECT NO.  
**22102**  
DRAWING NO.  
**C-1.4**



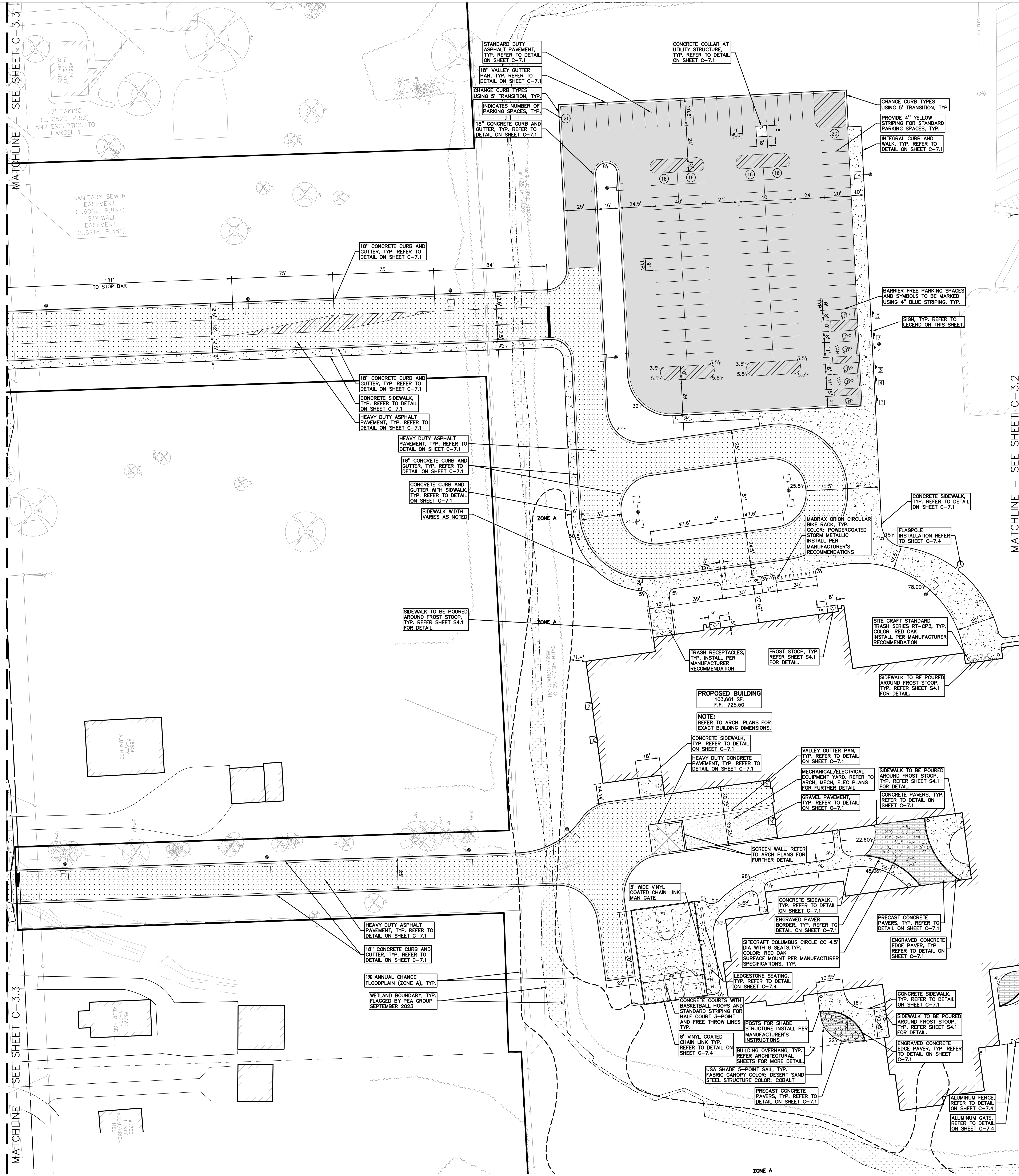
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MATCHLINE - SEE SHEET C-3.2

MATCHLINE - SEE SHEET C-3.3

MATCHLINE - SEE SHEET C-3.3

**LEGEND:**

- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- GRAVEL
- WETLAND
- CONCRETE CURB AND GUTTER
- REVERSE GUTTER PAN
- SETBACK LINE
- SIGN LIGHT POLE
- GUARD RAIL

**GENERAL NOTES:**

THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT.

1. ALL DIMENSIONS SHOWN ARE TO BACK OF CURB, FACE OF SIDEWALK, OUTSIDE FACE OF BUILDING, PROPERTY LINE, CENTER OF MANHOLE/CATCH BASIN OR CENTERLINE OF PIPE UNLESS OTHERWISE NOTED.
2. NO PARKING-FIRE LANE: SIGNS SHALL BE POSTED ALONG ALL FIRE LANES AT 300' FOOT INTERVALS OR AS DIRECTED BY THE FIRE OFFICIAL.
3. REFER TO NOTES & DETAILS SHEET FOR ON-SITE PAVING DETAILS.
4. REFER TO NOTES & DETAILS SHEET FOR ON-SITE SIDEWALK RAMP DETAILS.

**PARKING:**

EXISTING PARKING SPACES: 168 SPACES (INCLUDING 5 ADA SPACES)  
 PROPOSED PARKING SPACES: 154 SPACES (INCLUDING 8 ADA SPACES)

**SIDEWALK RAMP LEGEND:**

- SIDEWALK RAMP 'TYPE R'
- SIDEWALK RAMP 'TYPE F'
- SIDEWALK RAMP 'TYPE P'
- SIDEWALK RAMP 'TYPE C'
- SIDEWALK RAMP 'TYPE D'
- CURB DROP ONLY

REFER TO LATEST MDOT R-28 STANDARD RAMP AND DETECTABLE WARNING DETAILS

**SIGN LEGEND:**

- 'NO PARKING FIRE LANE' SIGN
- 'STOP' SIGN
- 'BARRIER FREE PARKING' SIGN
- 'VAN ACCESSIBLE' SIGN
- 'CROSSWALK' SIGN
- 'DO NOT ENTER' SIGN
- 'SIDEWALK ENDS' SIGN
- 'NO PARKING LOADING ZONE' SIGN

REFER TO DETAIL SHEET FOR SIGN DETAILS



**TMP ARCHITECTURE INC**  
 1931 WEST SQUARE LAKE ROAD  
 BLOOMFIELD HILLS - MICHIGAN - 48302  
 PH - 248.338.6545 FX - 248.338.0223  
 EM - INFO@TMP-ARCHITECTURE.COM

**REGISTRATION SEAL**

**CONSULTANT**



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**PROJECT TITLE**  
**New Smith Middle School**  
**Bld Package No. 03C**

**Troy School District**  
**Troy, Michigan**

**DRAWING TITLE**  
**DIMENSION & PAVING**  
**PLAN - WEST**

**ISSUE DATES**

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**DATE**

**ISSUED FOR:**

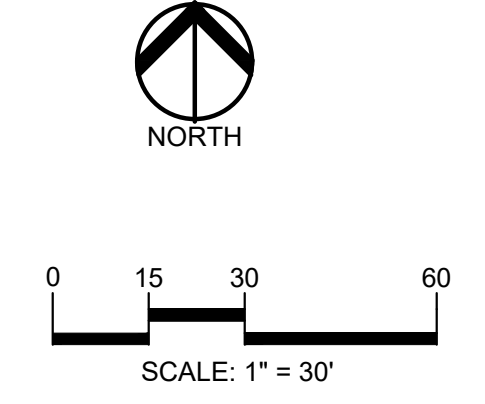
**DRAWN** JW

**CHECKED** TD

**APPROVED** TD

**PROJECT NO.**  
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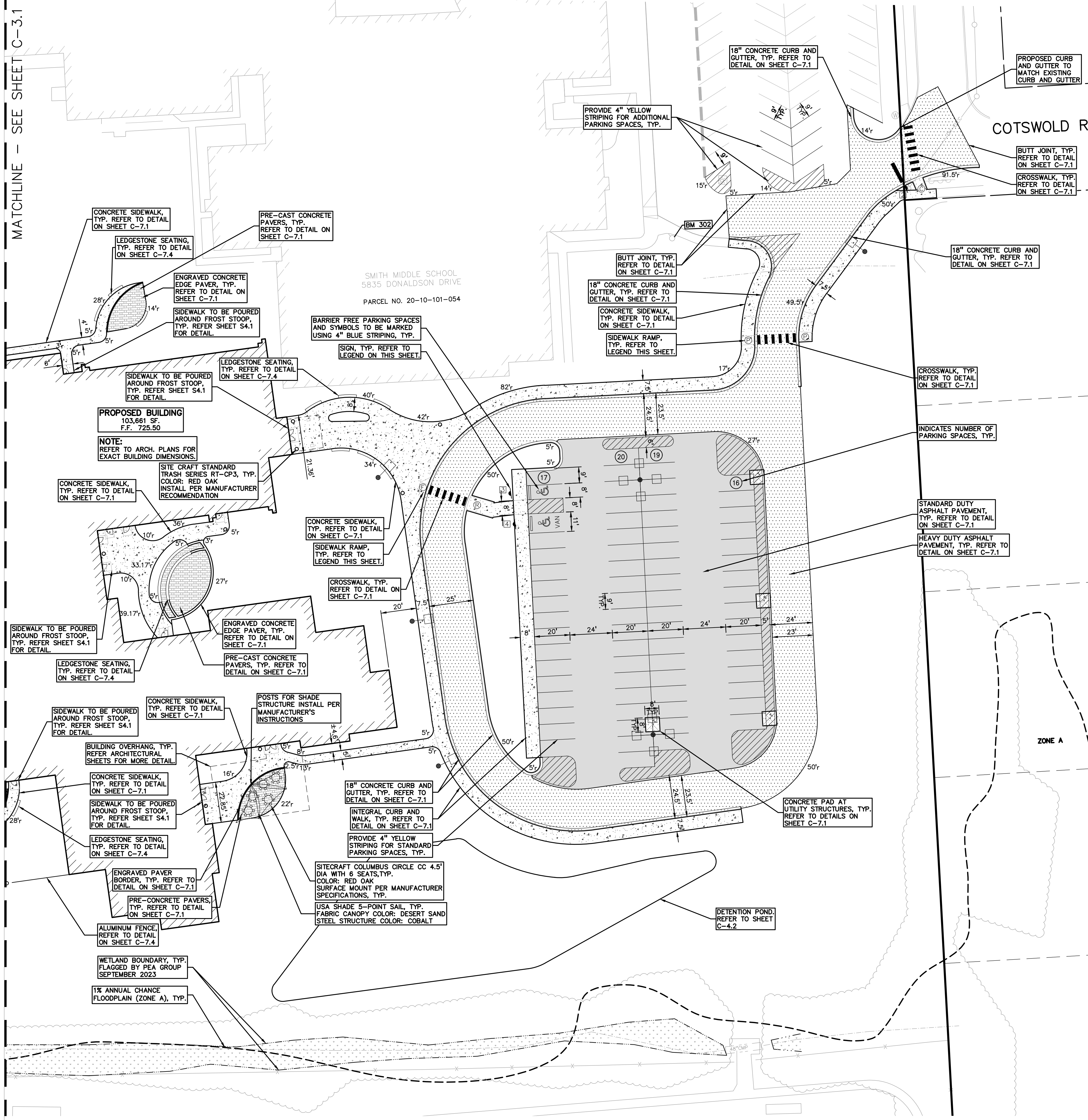
**DRAWING NO.**  
**C-3.1**



CAUTION!  
 THE SELECTION AND/ OR USE OF ANY MATERIALS, METHODS, OR EQUIPMENT IS AT THE USER'S SOLE RISK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE PRIOR TO THE START OF CONSTRUCTION.

Drawn File: S:\PROJECTS\2023\22102\22102-C3.1\22102-C3.1-01-DWG-24-001.dwg  
 Date: 06/19/2024 4:28:39pm

MATCHLINE - SEE SHEET C-3.1



**LEGEND:**

CONCRETE PAVEMENT	CONCRETE CURB AND GUTTER
ASPHALT PAVEMENT	REVERSE GUTTER PAN
GRAVEL	SETBACK LINE
WETLAND	SIGN LIGHTPOLE
CONCRETE CURB AND GUTTER	FENCE
REVERSE GUTTER PAN	GUARD RAIL

**GENERAL NOTES:**  
 THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT.  
 1. ALL DIMENSIONS SHOWN ARE TO BACK OF CURB, FACE OF SIDEWALK, OUTSIDE FACE OF BUILDING, PROPERTY LINE, CENTER OF MANHOLE/CATCH BASIN OR CENTERLINE OF PIPE UNLESS OTHERWISE NOTED.  
 2. "NO PARKING FIRE LANE" SIGNS SHALL BE POSTED ALONG ALL FIRE LANES AT XXX FOOT INTERVALS OR AS DIRECTED BY THE FIRE OFFICIAL.  
 3. REFER TO NOTES & DETAILS SHEET FOR ON-SITE PAVING DETAILS.  
 4. REFER TO NOTES & DETAILS SHEET FOR ON-SITE SIDEWALK RAMP DETAILS

**PARKING:**  
 EXISTING PARKING SPACES: 168 SPACES (INCLUDING 5 ADA SPACES)  
 PROPOSED PARKING SPACES: 131 SPACES

**SIDEWALK RAMP LEGEND:**

SIDEWALK RAMP 'TYPE R'	①
SIDEWALK RAMP 'TYPE F'	②
SIDEWALK RAMP 'TYPE P'	③
SIDEWALK RAMP 'TYPE C'	④
SIDEWALK RAMP 'TYPE D'	⑤
CURB DROP ONLY	⑥

REFER TO LATEST MDT R-28 STANDARD RAMP AND DETECTABLE WARNING DETAILS

**SIGN LEGEND:**

'NO PARKING FIRE LANE' SIGN	①
'STOP' SIGN	②
'BARRIER FREE PARKING' SIGN	③
'VAN ACCESSIBLE' SIGN	④
'CROSSWALK' SIGN	⑤
'DO NOT ENTER' SIGN	⑥
'SIDEWALK ENDS' SIGN	⑦
'NO PARKING LOADING ZONE' SIGN	⑧

REFER TO DETAIL SHEET FOR SIGN DETAILS



TMP ARCHITECTURE INC  
 191 WEST SQUARE LAKE ROAD  
 BLOOMFIELD HILLS - MICHIGAN - 48302  
 PH - 248.338.4545 FX - 248.338.0233  
 EM - INFO@TMP-ARCHITECTURE.COM

**REGISTRATION SEAL**

**CONSULTANT**  
 PEA GROUP  
 t 844.813.2949  
 www.peagroup.com

**PROJECT TITLE**  
 New Smith Middle School  
 Bid Package No. 03C

**Troy School District**  
 Troy, Michigan

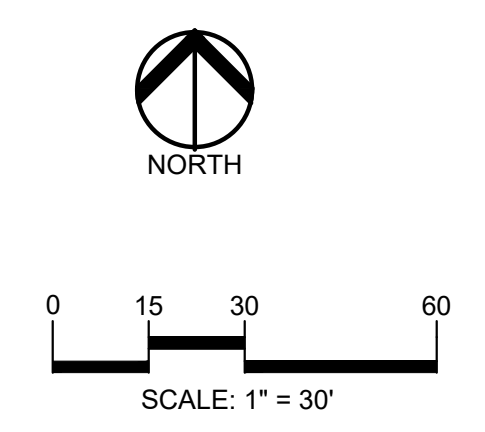
**DRAWING TITLE**  
 DIMENSION & PAVING  
 PLAN - EAST

**ISSUE DATES**

DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS

DRAWN	JW
CHECKED	TD
APPROVED	TD

**PROJECT NO.**  
 22102  
**DRAWING NO.**  
 C-3.2



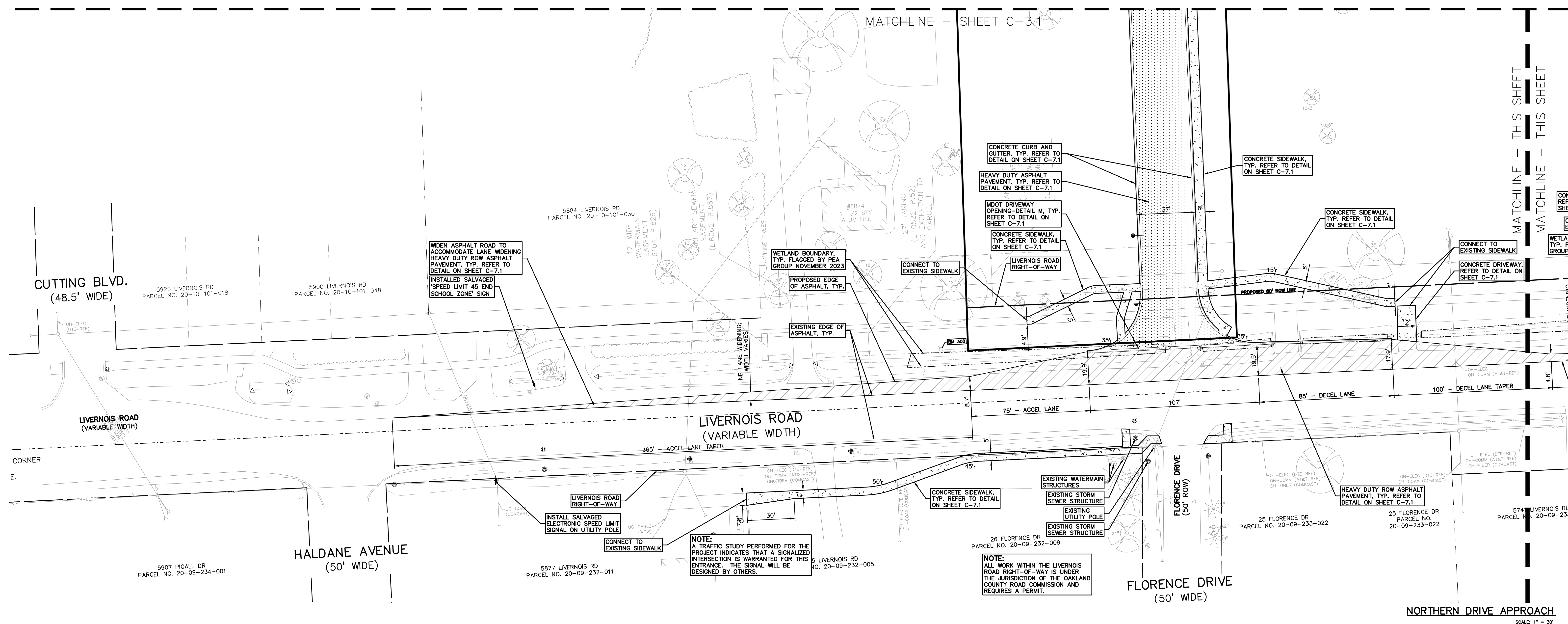
**CAUTION!**  
 THE LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE IS MADE BY THE CONTRACTOR. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT LOCATION AND DEPTHS PRIOR TO THE START OF CONSTRUCTION.

Drawing File: S:\PROJECTS\2023\24-001\_TROY\_SCHOOL\_2023\_BID\_PACKAGE\_03C\CONSTRUCTION\NEW\_SMITH\_MIDDLE\C-3.1\_DIM-24-001.dwg  
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06-18-2024	CONSTRUCTION DOCUMENTS
DATE	ISSUED FOR:
DRAWN	JW
CHECKED	TD
APPROVED	TD



**CAUTION!**  
THE LOCATION AND DEPTH OF UTILITIES SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE IS MADE BY THE CONTRACTOR AS TO THE ACCURACY OF THE INFORMATION PROVIDED. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT LOCATION AND DEPTHS OF UTILITIES PRIOR TO THE START OF CONSTRUCTION.



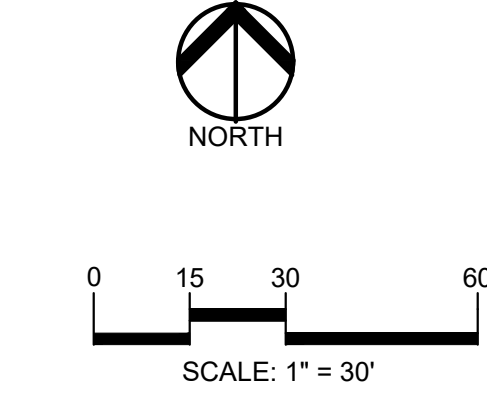
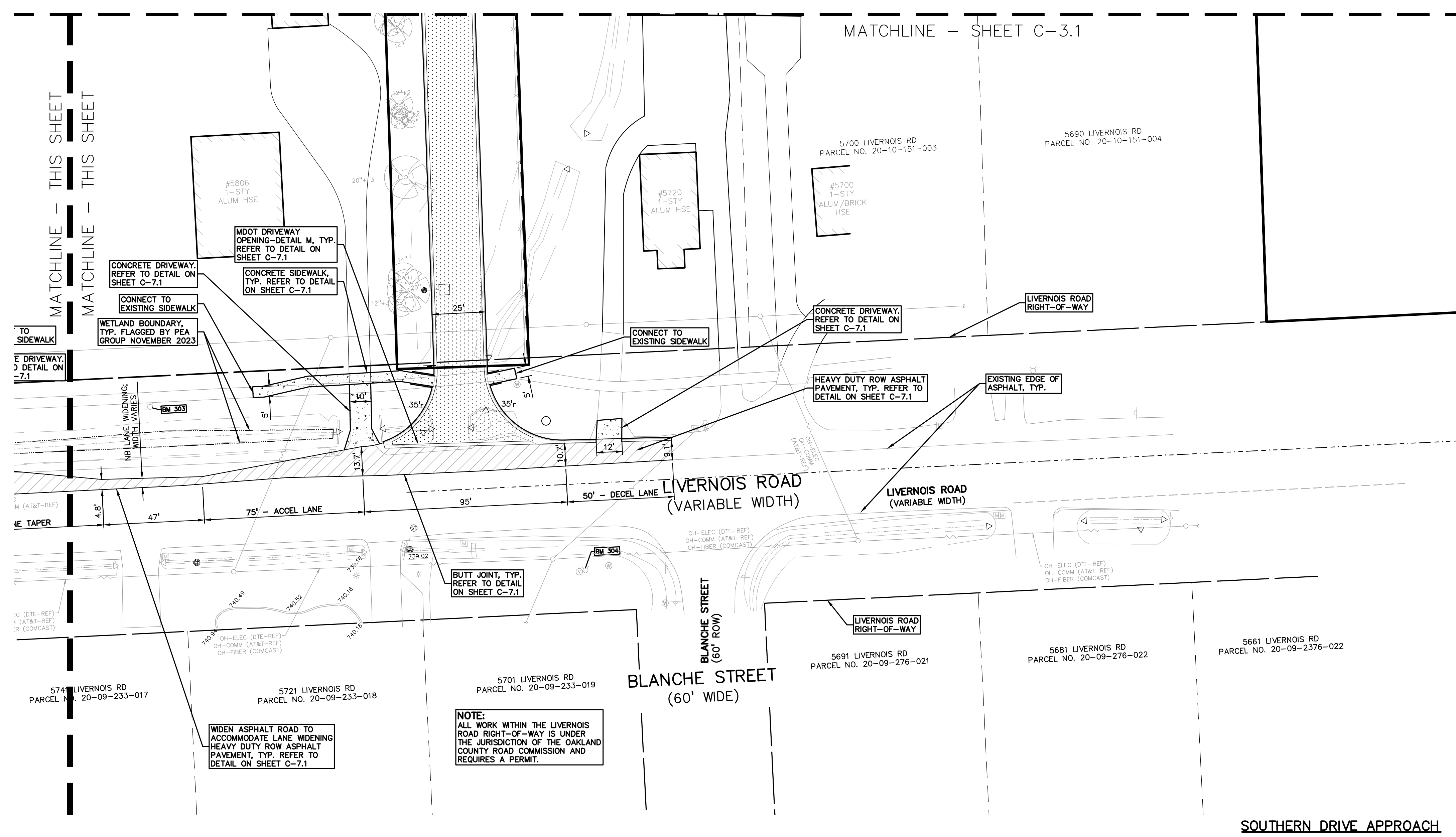
**LEGEND:**

- CONCRETE PAVEMENT
- HEAVY DUTY R.O.W.
- ASPHALT PAVEMENT
- GRAVEL
- WETLAND
- CONCRETE CURB AND GUTTER
- REVERSE GUTTER PAN
- SETBACK LINE
- SIGN LIGHTPOLE
- FENCE
- GUARD RAIL

**GENERAL NOTES:**

THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT.

- ALL DIMENSIONS SHOWN ARE TO BACK OF CURB, FACE OF SIDEWALK, OUTSIDE FACE OF BUILDING, PROPERTY LINE, CENTER OF MANHOLE/CATCH BASIN OR CENTERLINE OF PIPE UNLESS OTHERWISE NOTED.
- REFER TO NOTES & DETAILS SHEET FOR ON-SITE PAVING DETAILS.
- REFER TO NOTES & DETAILS SHEET FOR ON-SITE SIDEWALK RAMP DETAILS.



Drawing File: S:\PROJECTS\2023\22102 - NEW SMITH MIDDLE SCHOOL\CONSTRUCTION\NEW SMITH MIDDLE\C-3.3.dwg Date: 06-18-2024 2:28pm



TMP ARCHITECTURE INC  
 191 WEST SQUARE LAKE ROAD  
 BLOOMFIELD HILLS - MICHIGAN - 48302  
 PH - 248.338.4545 FX - 248.338.8223  
 EM - INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

PEAGROUP  
 t 844.813.2949  
 www.peagroup.com

PROJECT TITLE  
**New Smith Middle School Bid Package No. 03C**

Troy School District  
 Troy, Michigan

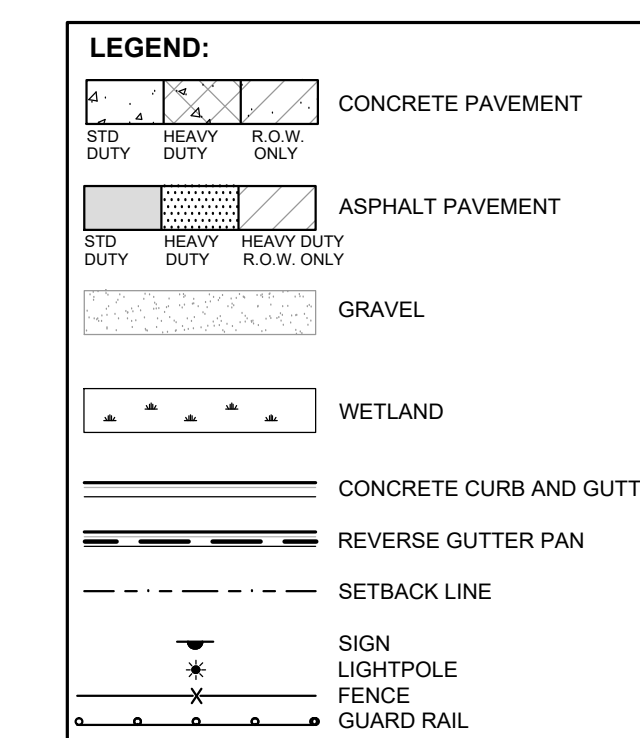
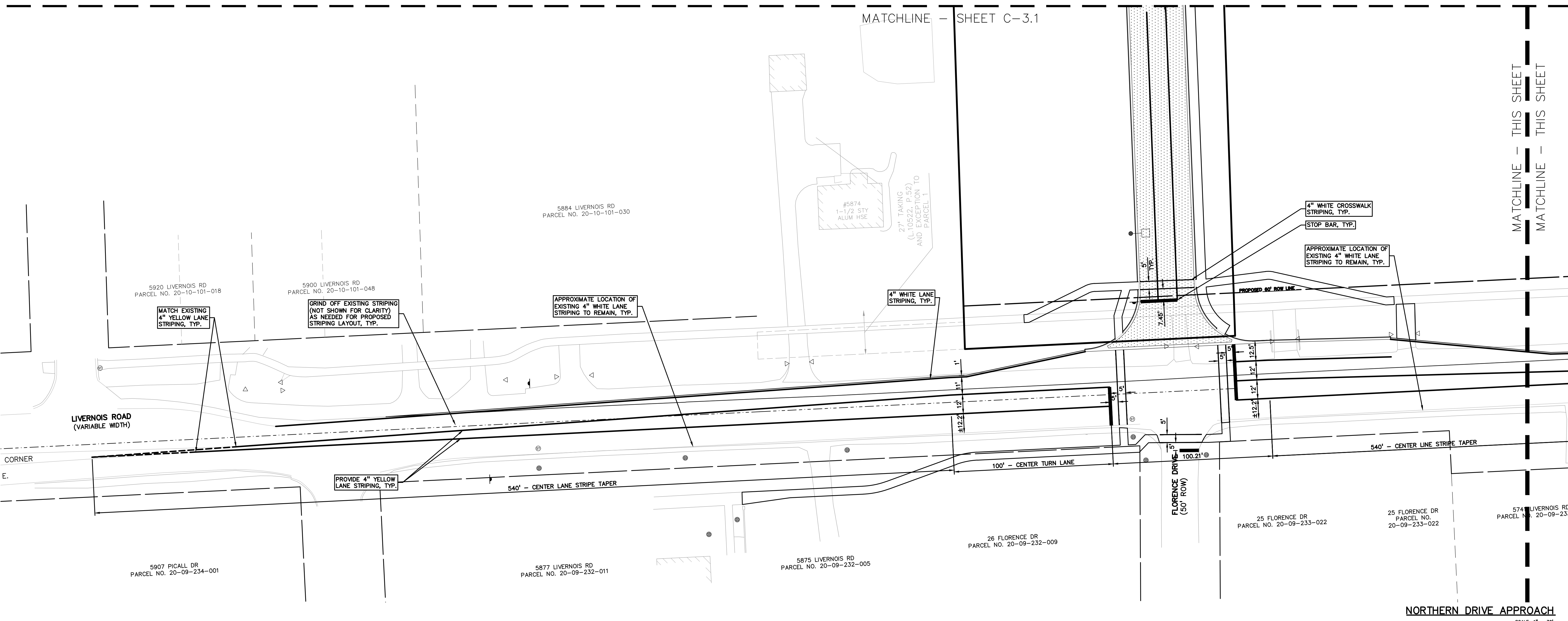
LIVERNOIS STRIPING PLAN

ISSUE DATES

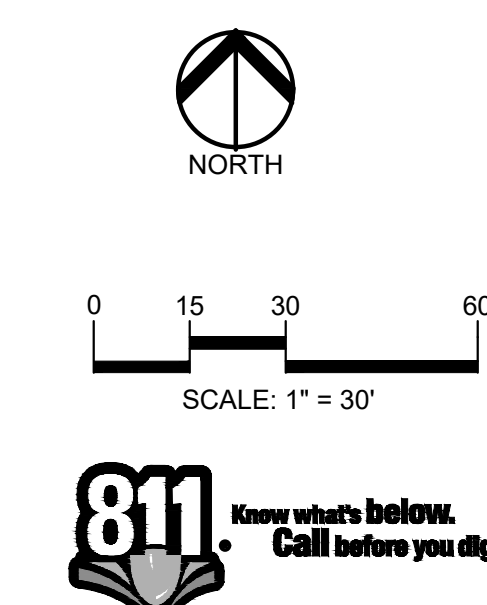
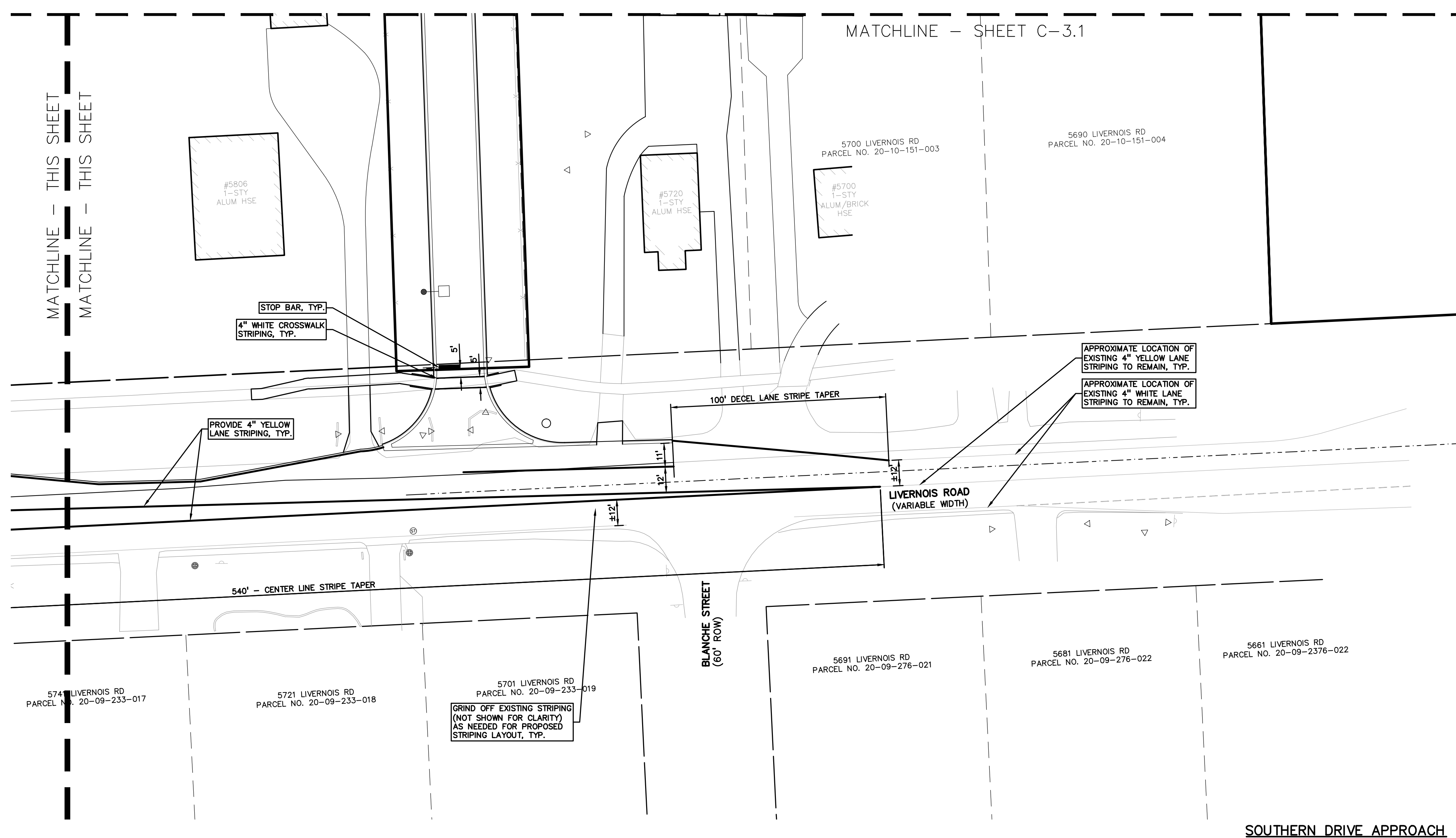
DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS
DRAWN	JW
CHECKED	TD
APPROVED	TD

PROJECT NO.  
**22102**

DRAWING NO.  
**C-3.4**



- GENERAL NOTES:**  
 THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT.
- ALL DIMENSIONS SHOWN ARE TO BACK OF CURB, FACE OF SIDEWALK, OUTSIDE FACE OF BUILDING, PROPERTY LINE, CENTER OF MANHOLE/CATCH BASIN OR CENTERLINE OF PIPE UNLESS OTHERWISE NOTED.
  - REFER TO NOTES & DETAILS SHEET FOR ON-SITE PAVING DETAILS.
  - REFER TO NOTES & DETAILS SHEET FOR ON-SITE SIDEWALK RAMP DETAILS.

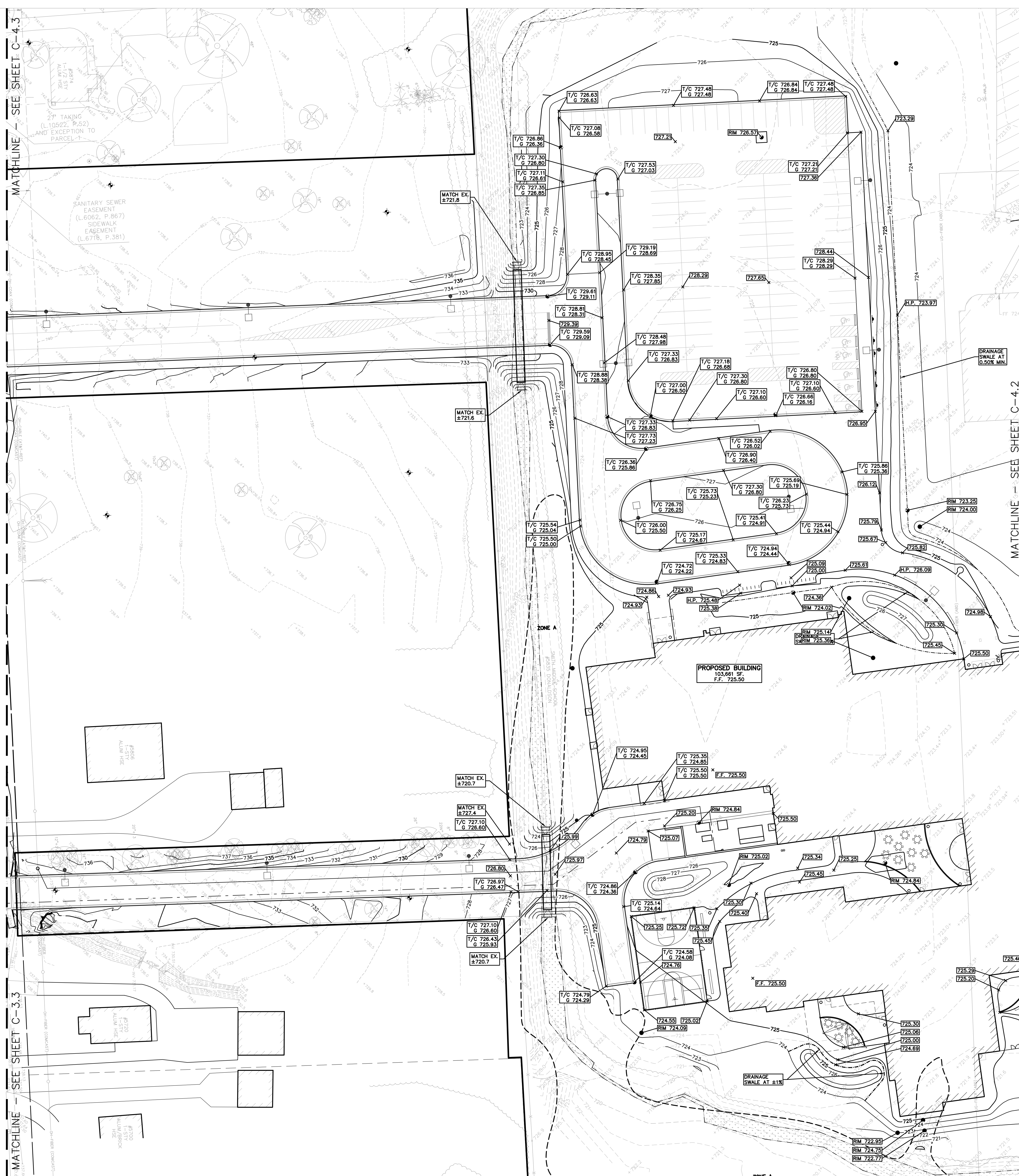


**811** Know what's below. Call before you dig.  
 CAUTION!  
 THE LOCATION AND DEPTH OF UTILITIES SHOWN ON THESE DRAWINGS ARE ONLY APPROXIMATE. NO GUARANTEE IS BEING EXPRESSED OR IMPLIED AS TO THE CORRECTNESS OR ACCURACY. BEFORE THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT LOCATION AND DEPTHS PRIOR TO THE START OF CONSTRUCTION.

Drawing File: S:\PROJECTS\2023\21-0301\_Troy\_School\_District\_Construction\New\_Smith\_Middle\C-3.4.dwg - 05-23-2024 10:49 AM  
 Job No: 22102  
 Date: 05-23-2024







**FLOODPLAIN:**  
PER FLOOD INSURANCE RATE MAP NUMBER 26125C0532F, DATED SEPTEMBER 29, 2006  
BY GRAPHICAL PLOTTING, THE SITE LIES WITHIN:  
**SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD**  
THE 1% ANNUAL CHANCE FLOOD (100 YEAR FLOOD), ALSO KNOWN AS THE BASE FLOOD, IS THE FLOOD THAT HAS A 1% CHANCE OF BEING EQUALED OR EXCEEDED IN ANY GIVEN YEAR. THE SPECIAL FLOOD HAZARD AREA IS THE AREA SUBJECT TO FLOODING BY THE 1% ANNUAL CHANCE FLOOD. AREAS OF SPECIAL FLOOD HAZARD INCLUDE ZONES A, AE, AH, AO, AR, A99, V AND VE. THE BASE FLOOD ELEVATION IS THE WATER-SURFACE ELEVATION OF THE 1% ANNUAL CHANCE FLOOD.

**LEGAL DESCRIPTION:**  
PARCEL ID 20-10-101-03A  
Land in the City of Troy, Oakland County, Michigan, described as follows:  
T2N, R11E, SEC 10 PART OF NW 1/4 BEG AT PT DIST S 571.05 FT & S 89.57-00 E 697.50 FT & S 00-10-00 E 189.24 FT FROM NW SEC COR, TH S 89-40-00 E 624.96 FT, TH S 00-10-00 E 683.20 FT, TH N 89-00-00 W 901.78 FT, TH N 00-10-00 W 637.72 FT, TH S 89-00-00 E 275.00 FT, TH N 00-10-00 W 39.24 FT TO BEG 13.79 A

PARCEL ID 20-10-101-022  
Land in the City of Troy, Oakland County, Michigan, described as follows:  
T2N, R11E, SEC 10 SUPERVISOR'S PLAT NO 25 LOTS 5, 6 & 7, ALSO E 900 FT OF LOTS 8 & 9, ALSO LOT 10 EXC W 39.24 FT OF S 104.29 FT

**BENCHMARKS:**  
(GPS DERIVED - NAVD83)  
BM #500  
ARROW ON A HYDRANT LOCATED AT THE SOUTHWEST CORNER OF THE FRONT PARKING LOT.  
ELEV. = 724.13  
BM #501  
ARROW ON A HYDRANT LOCATED ON THE SOUTHWEST CORNER OF THE BACK PARKING LOT.  
ELEV. = 728.34

**GRADING LEGEND:**  
 EXISTING SPOT ELEVATION  
PROPOSED SPOT ELEVATION: TYPICALLY TOP OF PAVEMENT IN PAVED AREAS, GUTTER GRADE IN CURB LINES.  
EXISTING CONTOUR  
PROPOSED CONTOUR  
PROPOSED REVERSE GUTTER PAN  
PROPOSED RIDGE LINE  
PROPOSED SWALE/DITCH

**ABBREVIATIONS**  
T/C = TOP OF CURB G = GUTTER GRADE  
TIP = TOP OF PAVEMENT FG = FINISH GRADE  
T/S = TOP OF SIDEWALK RIM = RIM ELEVATION  
T/W = TOP OF WALL BW = BOTTOM OF WALL  
REFER TO GRADING NOTES ON SHEET C-7.0

**EARTHWORK BALANCING NOTE:**  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPORTING OR EXPORTING ALL MATERIALS AS REQUIRED TO PROPERLY GRADE THIS PROJECT TO THE FINISHED ELEVATIONS SHOWN ON THE APPROVED PLANS. THE CONTRACTOR SHALL MAKE THEIR OWN DETERMINATION OF CUT AND FILL QUANTITIES AND ALLOW FOR REMOVAL OF EXCESS OR IMPORTATION OF ADDITIONAL MATERIAL AT NO ADDITIONAL COST TO THE OWNER.



TMP ARCHITECTURE INC  
191 WEST SQUARE LAKE ROAD  
BLOOMFIELD HILLS - MICHIGAN - 48302  
PH - 313.538.6661 FX - 313.538.0333  
EM - INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL



**PROJECT TITLE**  
**New Smith Middle School Bld Package No. 03C**

**Troy School District**  
**Troy, Michigan**

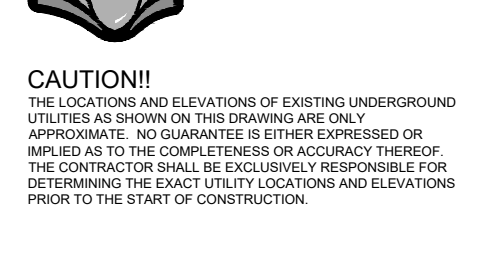
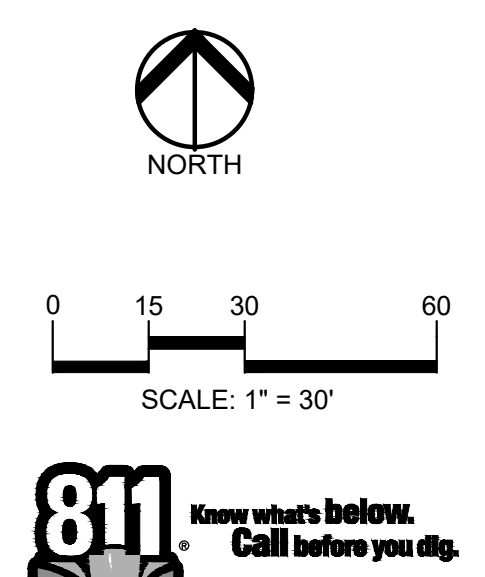
**DRAWING TITLE**  
**GRADING PLAN - WEST**

**ISSUE DATES**  
06-18-2024 CONSTRUCTION DOCUMENTS

DATE:	ISSUED FOR:
DRAWN:	JW
CHECKED:	TD
APPROVED:	TD

**PROJECT NO.**  
**22102**

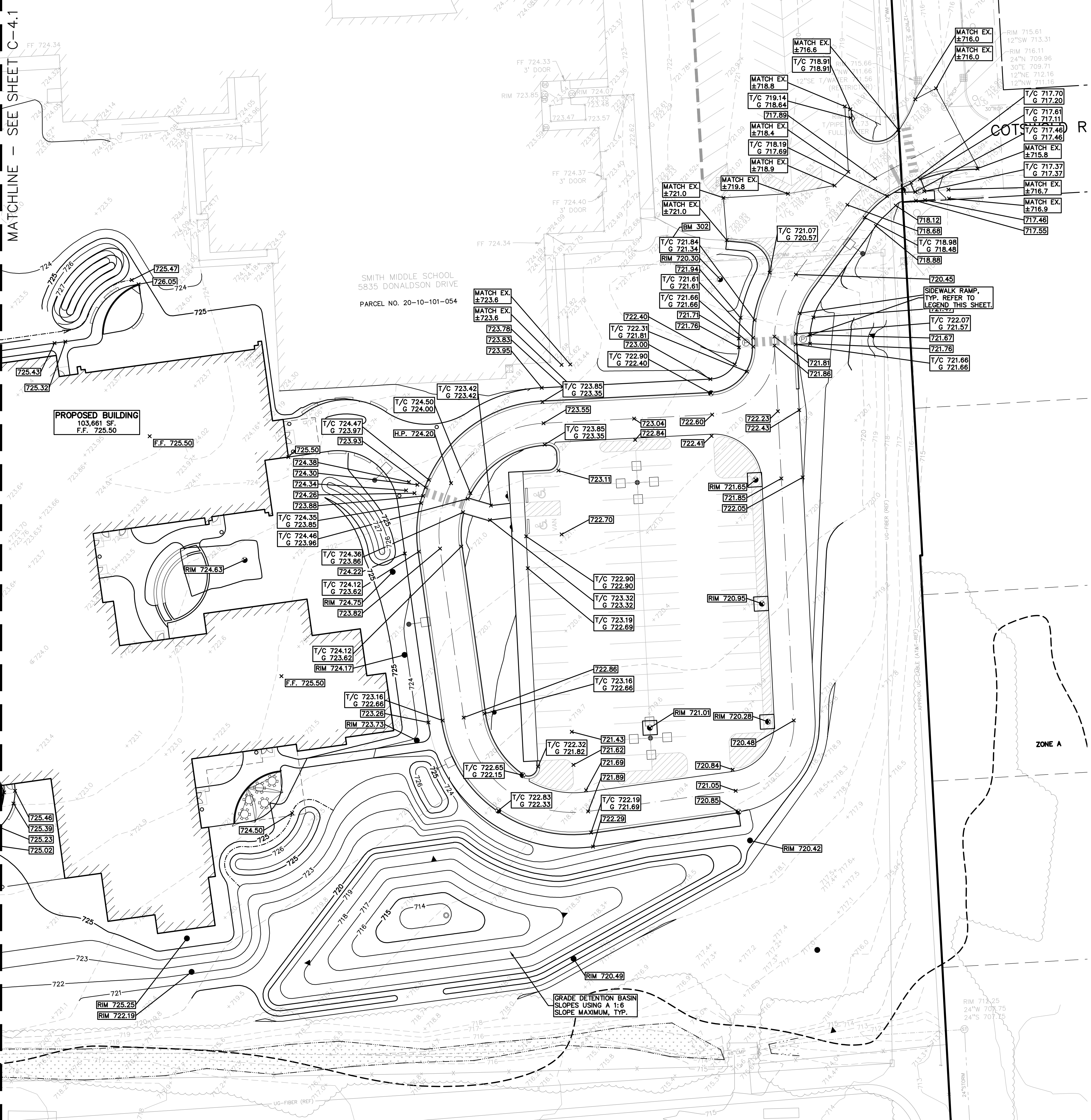
**DRAWING NO.**  
**C-4.1**



**CAUTION!**  
THE LOCATION AND DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO QUANTITIES OR DIMENSIONS SHOWN ON THIS DRAWING SHALL BE CONSIDERED AS ACCURATE. BEFORE BEGINNING THE WORK, THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT LOCATION AND DEPTHS OF ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION.

Drawing File: S:\PROJECTS\2023\22-0301 - TROY SCHOOLS\2022\8200\DWG\CONSTRUCTION\NEW\_SMITH\_MIDDLE\C4-4.1\_Grade-24-0301.dwg  
Date: 10/22/24 - 2:28pm

MATCHLINE - SEE SHEET C-4.1



**FLOODPLAIN:**  
PER FLOOD INSURANCE RATE MAP NUMBER 26125C05327, DATED SEPTEMBER 29, 2008

BY GRAPHICAL PLOTTING, THE SITE LIES WITHIN:

SPECIAL HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANGE FLOOD:  
THE 1% ANNUAL CHANGE FLOOD (100 YEAR FLOOD), ALSO KNOWN AS THE BASE FLOOD, IS THE FLOOD THAT HAS A 1% CHANCE OF BEING EQUALED OR EXCEEDED IN ANY GIVEN YEAR. THE SPECIAL FLOOD HAZARD AREA IS THE AREA SUBJECT TO FLOODING BY THE 1% ANNUAL CHANGE FLOOD. AREAS OF SPECIAL FLOOD HAZARD INCLUDE ZONES A, AE, AH, AO, AR, A99, V AND VE. THE BASE FLOOD ELEVATION IS THE WATER-SURFACE ELEVATION OF THE 1% ANNUAL CHANGE FLOOD.

OTHER AREAS:  
AREA TO BE DETERMINED OUTSIDE OF THE 0.2% ANNUAL CHANGE FLOODPLAIN.

**LEGAL DESCRIPTION:**

PARCEL ID 20-10-101-024  
Land in the City of Troy, Oakland County, Michigan, described as follows:  
T2N, R11E, SEC 10 PART OF NW 1/4 BEG AT PT DIST S 571.06 FT & S 89.57-00 E 697.50 FT & S 00-10-00 E 189.24 FT FROM NW SEC COR. TH S 89-40-00 E 624.96 FT. TH S 00-10-00 E 693.20 FT. TH N 89-00-00 W 901.78 FT. TH N 00-10-00 W 637.72 FT. TH S 89-02-00 E 275.00 FT. TH N 00-10-00 W 39.24 FT TO BEG 13.79 A.

PARCEL ID 20-10-151-022  
Land in the City of Troy, Oakland County, Michigan, described as follows:  
T2N, R11E, SEC 10 SUPERVISOR'S PLAT NO 25 LOTS 5, 6 & 7, ALSO E 900 FT OF LOTS 8 & 9, ALSO LOT 10 EXC W 397.62 FT OF S 104.29 FT.

**BENCHMARKS:**  
(GPS DERIVED - NAVD83)

BM #301  
ARROW ON A HYDRANT LOCATED AT THE SOUTHWEST CORNER OF THE FRONT PARKING LOT.  
ELEV. = 724.13

BM #301  
ARROW ON A HYDRANT LOCATED AT THE SOUTHWEST CORNER OF THE BACK PARKING LOT.  
ELEV. = 726.34

**GRADING LEGEND:**

EXISTING SPOT ELEVATION  
PROPOSED SPOT ELEVATION, TYPICALLY TOP OF PAVEMENT IN PAVED AREAS, GUTTER GRADE IN CURB LINES.  
EXISTING CONTOUR  
PROPOSED CONTOUR  
PROPOSED REVERSE GUTTER PAN  
PROPOSED RIDGE LINE  
PROPOSED SWALE/DITCH

**ABBREVIATIONS**

T/C = TOP OF CURB	G = GUTTER GRADE
T/P = TOP OF PAVEMENT	FG = FINISH GRADE
T/S = TOP OF SIDEWALK	RM = RIM ELEVATION
T/W = TOP OF WALL	BW = BOTTOM OF WALL

REFER TO GRADING NOTES ON SHEET C-7.0

**EARTHWORK BALANCING NOTE:**  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPORTING OR EXPORTING ALL MATERIALS AS REQUIRED TO PROPERLY GRADE THIS PROJECT TO THE FINISHED ELEVATIONS SHOWN ON THE APPROVED PLANS. THE CONTRACTOR SHALL MAKE THEIR OWN DETERMINATION OF CUT AND FILL QUANTITIES AND ALLOW FOR REMOVAL OF EXCESS OR IMPORTATION OF ADDITIONAL MATERIAL AT NO ADDITIONAL COST TO THE OWNER.



TMP ARCHITECTURE INC  
191 WEST SQUARE LAKE ROAD  
BLOOMFIELD HILLS - MICHIGAN - 48302  
PH - 248.338.6546 FX - 248.338.0233  
EM - INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

**PEA GROUP**

t 844.813.2949  
www.peagroup.com

PROJECT TITLE  
**New Smith Middle School Bid Package No. 03C**

Troy School District  
Troy, Michigan

DRAWING TITLE  
**GRADING PLAN - EAST**

ISSUE DATES

DATE	ISSUED FOR:

06-18-2024 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

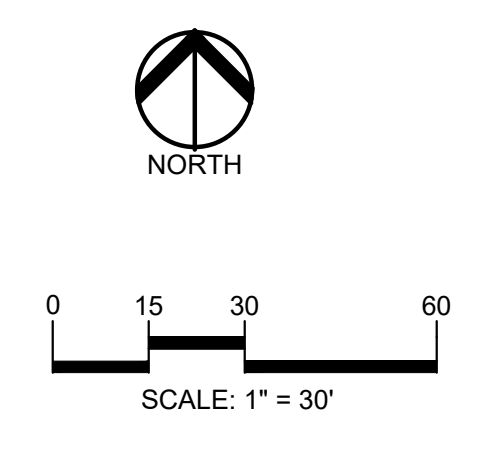
DRAWN: JW

CHECKED: TD

APPROVED: TD

PROJECT NO.  
**22102**

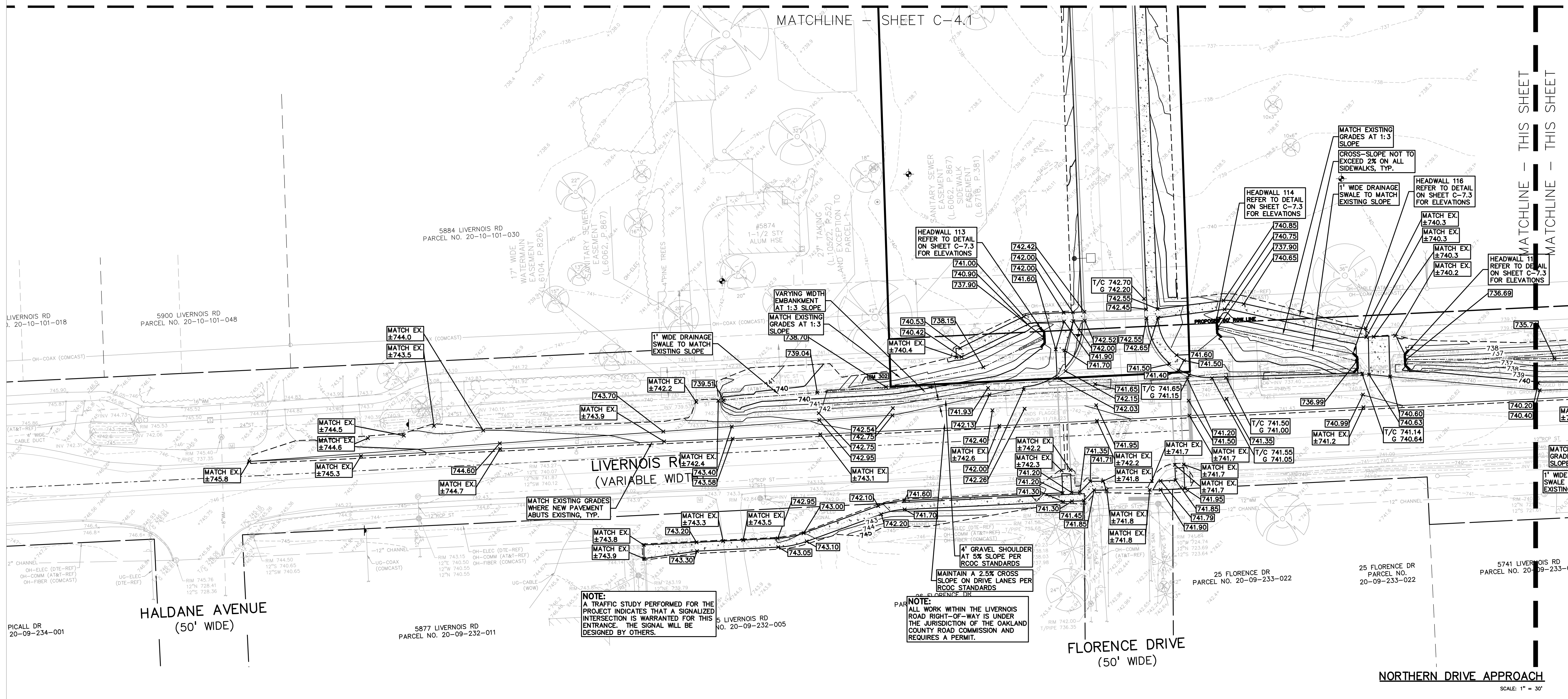
DRAWING NO.  
**C-4.2**



**811** Know what's below. Call before you dig.

**CAUTION!**  
THE LOCATION AND DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE IS MADE BY THE CONTRACTOR AS TO THE ACCURACY THEREOF. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT LOCATION AND DEPTHS PRIOR TO THE START OF CONSTRUCTION.

Drawing File: S:\PROJECTS\2023\21-001 Troy School District 2022 School Construction West Smith Middle\21-001-03-C4.1.dwg  
Date: 06-18-2024 2:25pm



**FLOODPLAIN:**  
PER FLOOD INSURANCE RATE MAP NUMBER 26125C05327, DATED SEPTEMBER 29, 2006  
BY GRAPHICAL PLOTTING, THE SITE LIES WITHIN:  
SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD  
THE 1% ANNUAL CHANCE FLOOD (100 YEAR FLOOD), ALSO KNOWN AS THE BASE FLOOD, IS THE FLOOD THAT HAS A 1% CHANCE OF BEING EQUALED OR EXCEEDED IN ANY GIVEN YEAR. THE SPECIAL FLOOD HAZARD AREA IS THE AREA SUBJECT TO FLOODING BY THE 1% ANNUAL CHANCE FLOOD. AREAS OF SPECIAL FLOOD HAZARD INCLUDE ZONES A, AE, AH, AO, AR, A99, V AND VE. THE BASE FLOOD ELEVATION IS THE WATER-SURFACE ELEVATION OF THE 1% ANNUAL CHANCE FLOOD.

**LEGAL DESCRIPTION:**  
PARCEL ID 20-10-101-054  
Land in the City of Troy, Oakland County, Michigan, described as follows:  
T2N, R11E, SEC 10 PART OF NW 1/4 BEG AT PT DIST S 571.06 FT & S 89.57-00 E 697.50 FT & S 80-10-00 E 189.24 FT FROM NW SEC COR, TH S 89-40-00 E 624.96 FT, TH S 00-10-00 E 693.20 FT, TH N 89-00-00 W 901.78 FT, TH N 00-10-00 W 637.72 FT, TH S 89-02-00 E & 275.00 FT, TH N 00-10-00 W 39.24 FT TO BEG 13.79 A

**BENCHMARKS:**  
(GPS DERIVED - NAVD83)  
BM #300  
ARROW ON A HYDRANT LOCATED AT THE SOUTHWEST CORNER OF THE FRONT PARKING LOT.  
ELEV. = 724.13  
BM #301  
ARROW ON A HYDRANT LOCATED ON THE SOUTHWEST CORNER OF THE BACK PARKING LOT.  
ELEV. = 728.34

**GRADING LEGEND:**  
EXISTING SPOT ELEVATION  
PROPOSED SPOT ELEVATION  
TYPICALLY TOP OF PAVEMENT IN PAVED AREAS, GUTTER GRADE IN CURB LINES.  
EXISTING CONTOUR  
PROPOSED CONTOUR  
PROPOSED REVERSE GUTTER PAN  
PROPOSED RIDGE LINE  
PROPOSED SWALE/DITCH

**ABBREVIATIONS:**  
T/C = TOP OF CURB      G = GUTTER GRADE  
T/P = TOP OF PAVEMENT      F/G = FINISH GRADE  
T/S = TOP OF SIDEWALK      R/W = RIM ELEVATION  
T/W = TOP OF WALL      B/W = BOTTOM OF WALL  
REFER TO GRADING NOTES ON SHEET C-4.1

**RETAINING WALL NOTE:**  
TOP OF WALL (T/W) AND BOTTOM OF WALL (B/W) GRADES ARE THE FINISH GRADE AT THE TOP AND BOTTOM OF THE RETAINING WALL, NOT ACTUAL TOP AND BOTTOM OF THE WALL STRUCTURE.

**EARTHWORK BALANCING NOTE:**  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPORTING OR EXPORTING ALL MATERIALS AS REQUIRED TO PROPERLY GRADE THIS PROJECT TO THE FINISHED ELEVATIONS SHOWN ON THE APPROVED PLANS. THE CONTRACTOR SHALL MAKE THEIR OWN DETERMINATION OF CUT AND FILL QUANTITIES AND ALLOW FOR REMOVAL OF EXCESS OR IMPORTATION OF ADDITIONAL MATERIAL AT NO ADDITIONAL COST TO THE OWNER.

**TMP ARCHITECTURE**  
191 WEST SQUARE LAKE ROAD  
BLOOMFIELD HILLS - MICHIGAN - 48302  
PH - 248.338.4565    FX - 248.338.0233  
EM - INFO@TMP-ARCHITECTURE.COM

**REGISTRATION SEAL**

**CONSULTANT**  
**PEA GROUP**  
t 844.813.2949  
www.peagroup.com

**PROJECT TITLE**  
**New Smith Middle School Bid Package No. 03C**

**Troy School District Troy, Michigan**

**DRAWING TITLE**  
**GRADING PLAN - LIVERNOIS**

**ISSUE DATES**

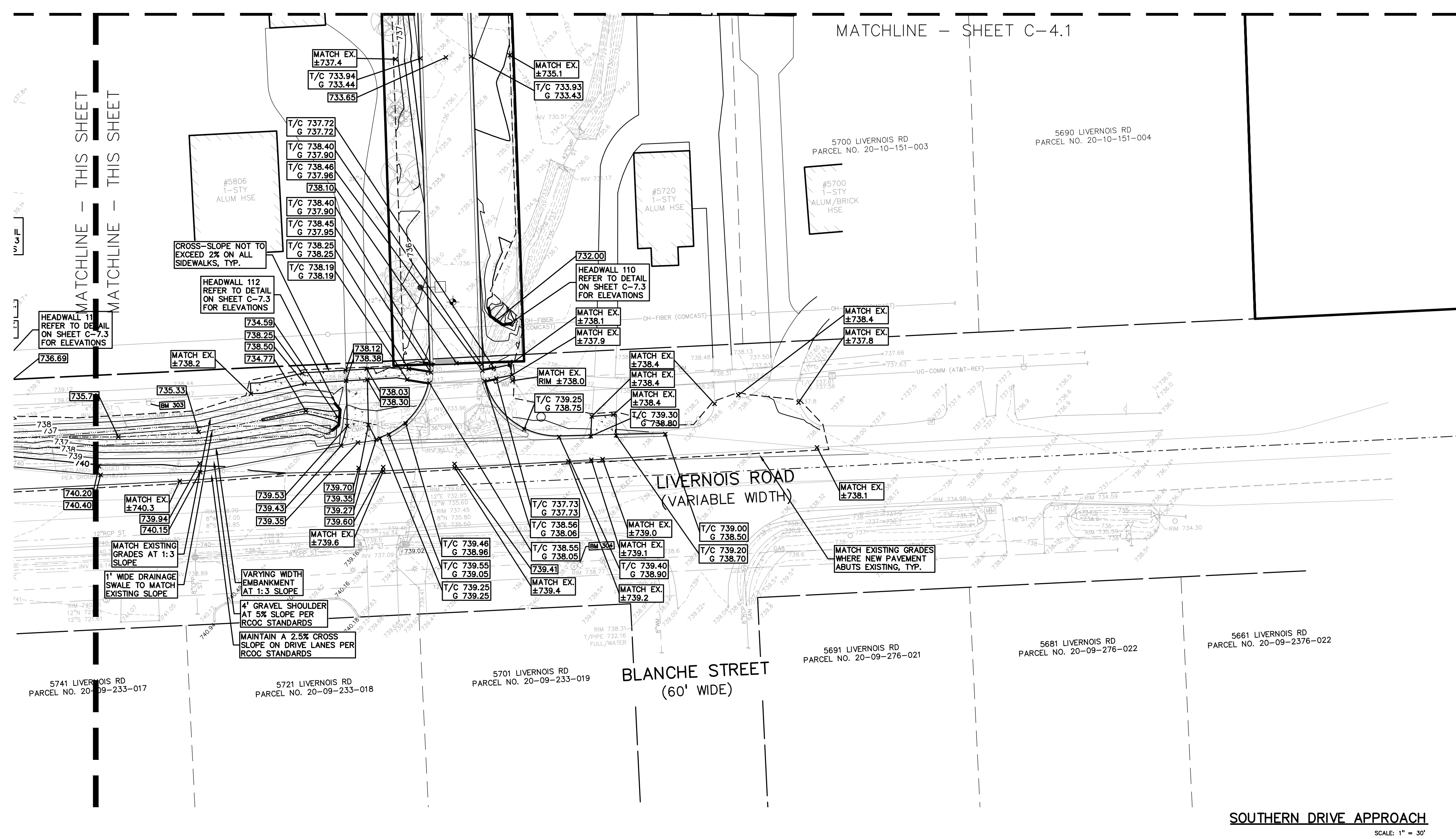
DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS

**DRAWN** JW  
**CHECKED** TD  
**APPROVED** TD

**PROJECT NO.**  
**22102**

**DRAWING NO.**  
**C-4.3**

**CAUTION!**  
THESE PLANS ARE THE PROPERTY OF PEAK GROUP ARCHITECTURE AND SHOULD NOT BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF PEAK GROUP ARCHITECTURE. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM THE STATE OF MICHIGAN.



**RETAINING WALL NOTE:**  
TOP OF WALL (T/W) AND BOTTOM OF WALL (B/W) GRADES ARE THE FINISH GRADE AT THE TOP AND BOTTOM OF THE RETAINING WALL, NOT ACTUAL TOP AND BOTTOM OF THE WALL STRUCTURE.

**EARTHWORK BALANCING NOTE:**  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPORTING OR EXPORTING ALL MATERIALS AS REQUIRED TO PROPERLY GRADE THIS PROJECT TO THE FINISHED ELEVATIONS SHOWN ON THE APPROVED PLANS. THE CONTRACTOR SHALL MAKE THEIR OWN DETERMINATION OF CUT AND FILL QUANTITIES AND ALLOW FOR REMOVAL OF EXCESS OR IMPORTATION OF ADDITIONAL MATERIAL AT NO ADDITIONAL COST TO THE OWNER.

**GRADING LEGEND:**  
EXISTING SPOT ELEVATION  
PROPOSED SPOT ELEVATION  
TYPICALLY TOP OF PAVEMENT IN PAVED AREAS, GUTTER GRADE IN CURB LINES.  
EXISTING CONTOUR  
PROPOSED CONTOUR  
PROPOSED REVERSE GUTTER PAN  
PROPOSED RIDGE LINE  
PROPOSED SWALE/DITCH

**ABBREVIATIONS:**  
T/C = TOP OF CURB      G = GUTTER GRADE  
T/P = TOP OF PAVEMENT      F/G = FINISH GRADE  
T/S = TOP OF SIDEWALK      R/W = RIM ELEVATION  
T/W = TOP OF WALL      B/W = BOTTOM OF WALL  
REFER TO GRADING NOTES ON SHEET C-4.1

**RETAINING WALL NOTE:**  
TOP OF WALL (T/W) AND BOTTOM OF WALL (B/W) GRADES ARE THE FINISH GRADE AT THE TOP AND BOTTOM OF THE RETAINING WALL, NOT ACTUAL TOP AND BOTTOM OF THE WALL STRUCTURE.

**EARTHWORK BALANCING NOTE:**  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPORTING OR EXPORTING ALL MATERIALS AS REQUIRED TO PROPERLY GRADE THIS PROJECT TO THE FINISHED ELEVATIONS SHOWN ON THE APPROVED PLANS. THE CONTRACTOR SHALL MAKE THEIR OWN DETERMINATION OF CUT AND FILL QUANTITIES AND ALLOW FOR REMOVAL OF EXCESS OR IMPORTATION OF ADDITIONAL MATERIAL AT NO ADDITIONAL COST TO THE OWNER.

**TMP ARCHITECTURE**  
191 WEST SQUARE LAKE ROAD  
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**REGISTRATION SEAL**

**CONSULTANT**  
**PEA GROUP**  
t 844.813.2949  
www.peagroup.com

**PROJECT TITLE**  
**New Smith Middle School Bid Package No. 03C**

**Troy School District Troy, Michigan**

**DRAWING TITLE**  
**GRADING PLAN - LIVERNOIS**

**ISSUE DATES**

DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS

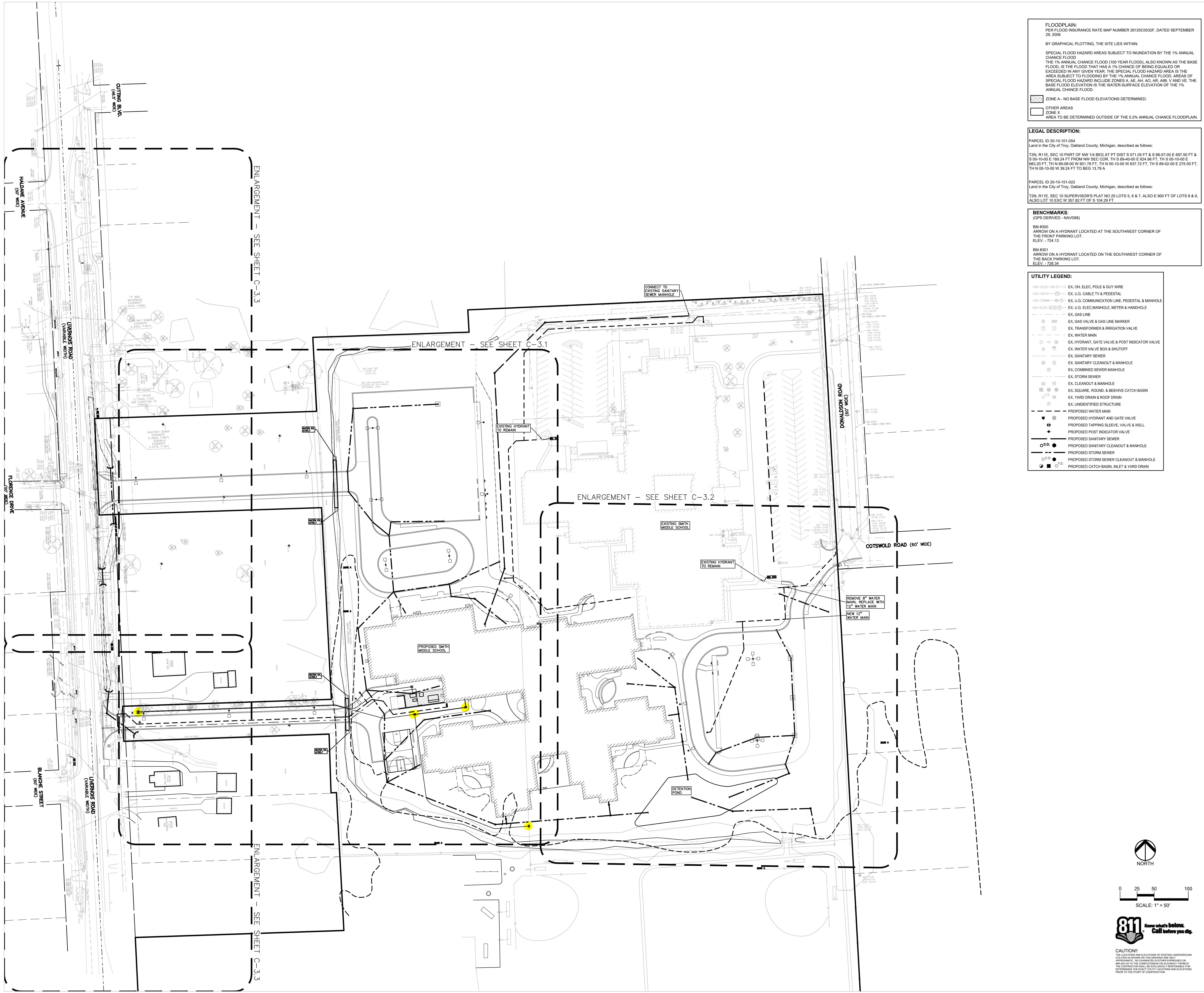
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**CHECKED** TD  
**APPROVED** TD

**PROJECT NO.**  
**22102**

**DRAWING NO.**  
**C-4.3**

**CAUTION!**  
THESE PLANS ARE THE PROPERTY OF PEAK GROUP ARCHITECTURE AND SHOULD NOT BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF PEAK GROUP ARCHITECTURE. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM THE STATE OF MICHIGAN.

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 Date: 10/24/2024 2:28:38 PM  
 User: jw



**FLOODPLAIN:**  
 PER FLOOD INSURANCE RATE MAP NUMBER 26125C05327, DATED SEPTEMBER 29, 2008  
 BY GRAPHICAL PLOTTING, THE SITE LIES WITHIN:  
 SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD  
 THE 1% ANNUAL CHANCE FLOOD (100 YEAR FLOOD), ALSO KNOWN AS THE BASE FLOOD, IS THE FLOOD THAT HAS A 1% CHANCE OF BEING EQUALED OR EXCEEDED IN ANY GIVEN YEAR. THE SPECIAL FLOOD HAZARD AREA IS THE AREA SUBJECT TO FLOODING BY THE 1% ANNUAL CHANCE FLOOD. AREAS OF SPECIAL FLOOD HAZARD INCLUDE ZONES A, AE, AH, AO, AR, AB9, V AND VE. THE BASE FLOOD ELEVATION IS THE WATER-SURFACE ELEVATION OF THE 1% ANNUAL CHANCE FLOOD.  
 ZONE A - NO BASE FLOOD ELEVATIONS DETERMINED.  
 OTHER AREAS  
 ZONE X  
 AREA TO BE DETERMINED OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN.

**LEGAL DESCRIPTION:**  
 PARCEL ID 20-10-101-054  
 Land in the City of Troy, Oakland County, Michigan, described as follows:  
 T2N, R11E, SEC 10 PART OF NW 1/4 BEG AT PT DIST S 571.06 FT & S 89.57-00 E 697.50 FT & S 00-10-00 E 189.24 FT FROM NW SEC COR, TH S 89-40-00 E 824.96 FT, TH S 00-10-00 E 693.20 FT, TH N 89-00-00 W 901.78 FT, TH N 00-10-00 W 637.72 FT, TH S 89-02-00 E 275.00 FT, TH N 00-10-00 W 39.24 FT TO BEG 13.79 A  
 PARCEL ID 20-10-151-022  
 Land in the City of Troy, Oakland County, Michigan, described as follows:  
 T2N, R11E, SEC 10 SUPERVISOR'S PLAT NO 25 LOTS 5, 6 & 7, ALSO E 900 FT OF LOTS 8 & 9, ALSO LOT 10 EXC W 87.82 FT OF S 124.29 FT

**BENCHMARKS:**  
 (GPS DERIVED - NAVD88)  
 BM #300  
 ARROW ON A HYDRANT LOCATED AT THE SOUTHWEST CORNER OF THE FRONT PARKING LOT.  
 ELEV. = 724.13  
 BM #301  
 ARROW ON A HYDRANT LOCATED ON THE SOUTHWEST CORNER OF THE BACK PARKING LOT.  
 ELEV. = 728.34

**UTILITY LEGEND:**  
 —o— ELEC. POLE & GUY WIRE  
 —o— CATV & PEDESTAL  
 —o— COMM. U.G. COMMUNICATION LINE, PEDESTAL & MANHOLE  
 —o— ELEC. MANHOLE, METER & HANDHOLE  
 — EX. GAS LINE  
 — EX. GAS VALVE & GAS LINE MARKER  
 — EX. TRANSFORMER & IRRIGATION VALVE  
 — EX. WATER MAIN  
 — EX. HYDRANT, GATE VALVE & POST INDICATOR VALVE  
 — EX. WATER VALVE BOX & SHUTOFF  
 — EX. SANITARY SEWER  
 — EX. SANITARY CLEANOUT & MANHOLE  
 — EX. COMBINED SEWER MANHOLE  
 — EX. STORM SEWER  
 — EX. CLEANOUT & MANHOLE  
 — EX. SQUARE, ROUND, & BEEHIVE CATCH BASIN  
 — EX. YARD DRAIN & ROOF DRAIN  
 — EX. UNIDENTIFIED STRUCTURE  
 — PROPOSED WATER MAIN  
 — PROPOSED HYDRANT AND GATE VALVE  
 — PROPOSED TAPPING SLEEVE, VALVE & WELL  
 — PROPOSED POST INDICATOR VALVE  
 — PROPOSED SANITARY SEWER  
 — PROPOSED SANITARY CLEANOUT & MANHOLE  
 — PROPOSED STORM SEWER  
 — PROPOSED STORM SEWER CLEANOUT & MANHOLE  
 — PROPOSED CATCH BASIN, INLET & YARD DRAIN



REGISTRATION SEAL

CONSULTANT



PROJECT TITLE  
**New Smith Middle School  
 Bid Package No. 03C**

Troy School District  
 Troy, Michigan

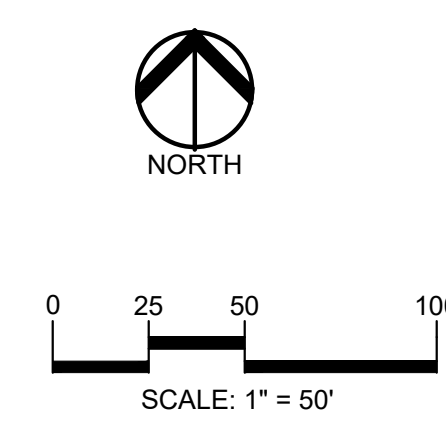
DRAWING TITLE  
**OVERALL UTILITY PLAN**

ISSUE DATES

DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS

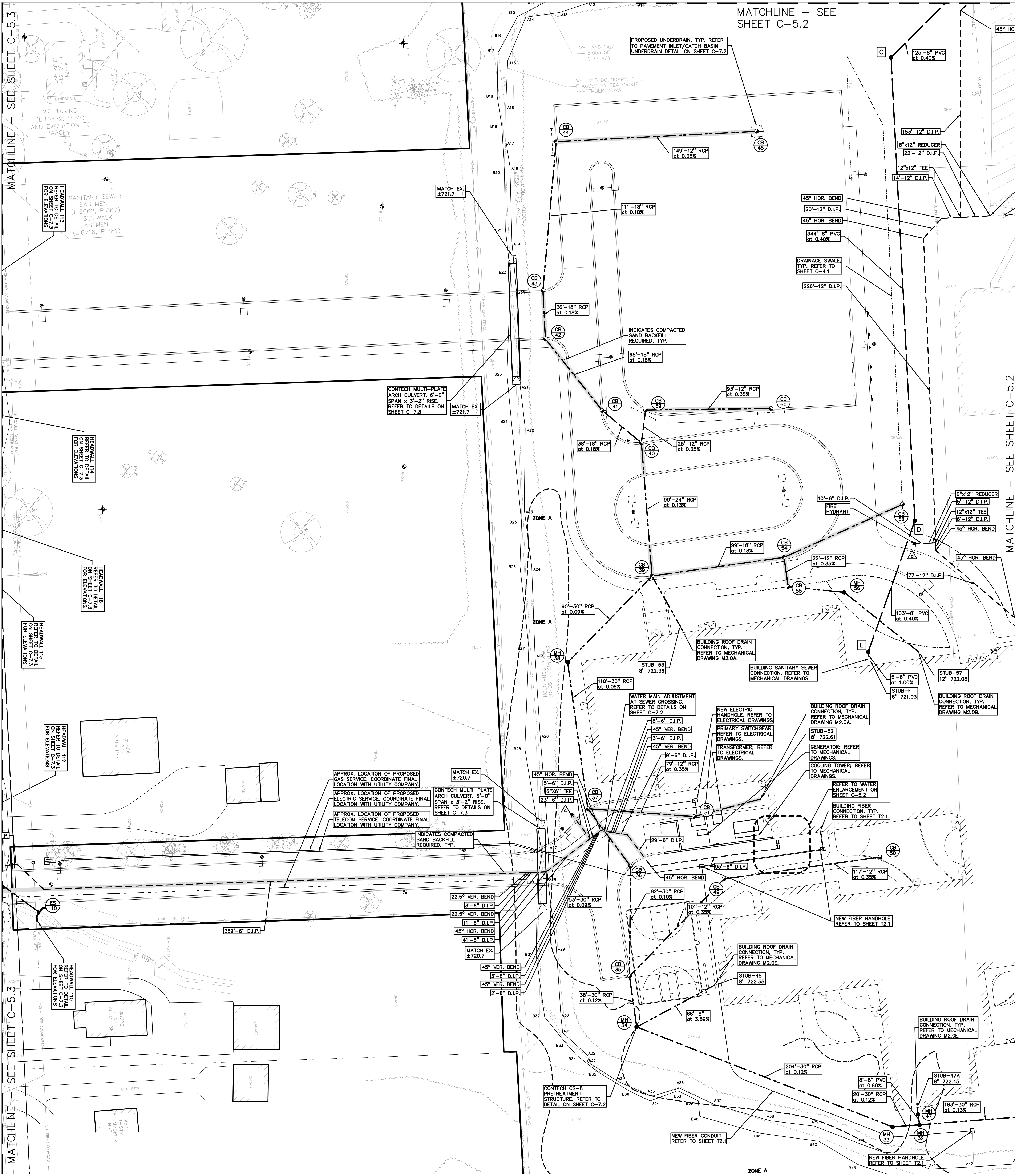
DRAWN JW  
 CHECKED TD  
 APPROVED TD

PROJECT NO.  
**22102**  
 DRAWING NO.  
**C-5.0**



**CAUTION!**  
 THE LOCATION AND DEPTH OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE IS GIVEN BY THE CONSULTANT AS TO THE CORRECTNESS OR ACCURACY HEREOF. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT LOCATION AND DEPTH PRIOR TO THE START OF CONSTRUCTION.

Drawing File: S:\PROJECTS\2024\22102\_03C\2024\_06\_18\DWG\CONSTRUCTION\03C-05-01.dwg  
 Date: 06/18/2024 1:08:05 PM  
 User: J.W.



EXISTING SANITARY STRUCTURES		HYDRANTS		UTILITY LEGEND:	
A	EXISTING MH RM = 722.03 8' S 717.29 8' S 717.29 8' E 717.19	a	HYDRANT ASSEMBLY F.C. = 724.79	EX. OH. ELEC. POLE & GUY WIRE	EX. U.G. CABLE TV & PEDESTAL
B	MH (4' DIA.) RM = 722.68 8' S 718.41 8' E 718.31	b	HYDRANT ASSEMBLY F.C. = 722.97	EX. U.G. COMMUNICATION LINE, PEDESTAL & MANHOLE	EX. U.G. ELEC. MANHOLE, METER & HANDHOLE
C	MH (4' DIA.) RM = 724.01 8' S 718.01 8' NE 718.91	c	HYDRANT ASSEMBLY F.C. = 724.83	EX. GAS LINE	EX. GAS VALVE & GAS LINE MARKER
D	MH (4' DIA.) RM = 724.00 8' S 720.49 8' N 720.39	WATER MAIN		EX. TRANSFORMER & IRRIGATION VALVE	EX. WATER MAIN
E	MH (4' DIA.) RM = 725.36 8' S 720.98 8' N 720.90	e	GV IN WELL RM = 726.26	EX. HYDRANT, GATE VALVE & POST INDICATOR VALVE	EX. WATER VALVE BOX & SHUTOFF
		f	GV IN WELL RM = 725.35	EX. SANITARY SEWER	EX. SANITARY CLEANOUT & MANHOLE
		g	GV IN WELL RM = 725.34	EX. COMBINED SEWER MANHOLE	EX. STORM SEWER
				EX. CLEANOUT & MANHOLE	EX. SQUARE, ROUND, & BEEHIVE CATCH BASIN
				EX. YARD DRAIN & ROOF DRAIN	EX. UNIDENTIFIED STRUCTURE
				EX. PROPOSED WATER MAIN	EX. PROPOSED HYDRANT AND GATE VALVE
				EX. PROPOSED TAPPING SLAVE, VALVE & WELL	EX. PROPOSED POST INDICATOR VALVE
				EX. PROPOSED SANITARY SEWER	EX. PROPOSED SANITARY CLEANOUT & MANHOLE
				EX. PROPOSED STORM SEWER	EX. PROPOSED STORM SEWER CLEANOUT & MANHOLE
				EX. PROPOSED CATCH BASIN, INLET & YARD DRAIN	

STORM STRUCTURES		STORM STRUCTURES		STORM STRUCTURES	
MH 31	(4' DIA./0' SUMP) RM = 722.19 30° W 717.09 8' S 718.55 30° E 717.09	CB 43	(4' DIA./2' SUMP) RM = 722.11 18° N 716.40 18° S 716.40	MH 71	(4' DIA./0' SUMP) RM = 720.42 18° N 716.40 18° S 716.40
MH 32	(4' DIA./0' SUMP) RM = 722.77 30° W 717.32 8' N 718.79 30° E 717.32	CB 44	(4' DIA./2' SUMP) RM = 726.36 12° E 719.73 18° S 719.33	CB 72	(4' DIA./2' SUMP) RM = 720.85 18° N 716.44 18° S 716.44
MH 33	(5' DIA./0' SUMP) RM = 722.85 30° W 717.35 30° E 717.35	CB 45	(4' DIA./2' SUMP) RM = 726.57 12° W 720.25	CB 73	(4' DIA./2' SUMP) RM = 720.28 12° N 716.93 12° W 716.93
MH 34	(5' DIA./0' SUMP) RM = 723.80 30° N 717.59 8' NE 719.99 30° E 717.59	MH 46	(4' DIA./0' SUMP) RM = 725.25 12° W 720.25	CB 74	(4' DIA./2' SUMP) RM = 720.95 12° N 717.16 12° S 717.16
CB 35	(5' DIA./2' SUMP) RM = 724.06 30° N 717.64 12° NE 718.84 30° S 717.64	MH 47	(4' DIA./0' SUMP) RM = 724.75 8' NE 718.84 8' S 718.84	CB 75	(4' DIA./2' SUMP) RM = 721.65 12° N 717.41 12° S 717.41
CB 36	(5' DIA./2' SUMP) RM = 724.36 30° NW 717.72 30° S 717.72	CB 49	(4' DIA./0' SUMP) RM = 725.02 12° E 719.19 12° SW 719.19	CB 76	(4' DIA./2' SUMP) RM = 722.40 12° SE 717.60
CB 37	(5' DIA./2' SUMP) RM = 724.45 30° N 717.77 12° E 718.97 30° SE 717.77	CB 50	(4' DIA./2' SUMP) RM = 724.84 12° W 718.60 12° S 718.60	CB 77	(4' DIA./2' SUMP) RM = 721.43 12° W 717.16 12° E 717.16
MH 38	(4' DIA./0' SUMP) RM = 724.28 30° NE 717.87 30° S 717.87	CB 51	(4' DIA./2' SUMP) RM = 724.84 8' E 722.04 12° W 719.25	CB 78	(4' DIA./2' SUMP) RM = 721.43 12° W 717.43 12° E 717.43
CB 39	(5' DIA./2' SUMP) RM = 724.24 24° N 718.35 8° SE 721.44 30° SW 717.95	CB 54	(5' DIA./2' SUMP) RM = 724.47 12° N 719.33 18° NE 718.93	MH 79	(4' DIA./2' SUMP) RM = 723.33 12° N 717.52
CB 40	(5' DIA./2' SUMP) RM = 725.86 30° NW 718.88 12° N 719.28 24° S 718.48	CB 55	(4' DIA./2' SUMP) RM = 724.02 12° E 719.40 12° N 719.40	MH 81	(4' DIA./0' SUMP) RM = 723.73 12° N 718.34 12° S 718.34
CB 41	(4' DIA./2' SUMP) RM = 726.83 18° NW 718.95 18° SE 718.95	CB 58	(4' DIA./2' SUMP) RM = 723.25 12° SW 719.63	MH 82	(4' DIA./0' SUMP) RM = 724.17 12° N 718.59 12° S 718.59
CB 42	(4' DIA./2' SUMP) RM = 726.09 18° N 719.07 18° SE 719.07	CB 59	(4' DIA./2' SUMP) RM = 726.50 12° N 719.36 12° S 719.36	MH 83	(4' DIA./2' SUMP) RM = 724.75 12° N 718.59 8° NW 721.66 12° S 718.82
CB 43	(4' DIA./2' SUMP) RM = 726.83 12° N 719.07 18° SE 719.07	CB 60	(4' DIA./2' SUMP) RM = 726.18 12° W 719.69	CB 84	(4' DIA./2' SUMP) RM = 723.00 12° E 718.24
MH 111	(4' DIA./0' SUMP) RM = 736.91 42° SE 733.59	OC 103	(6' DIA./2' SUMP) RM = 718.04 24° E 713.48	CB 91	(4' DIA./2' SUMP) RM = 721.46 12° E 718.46

**CITY OF TROY STORM SEWER FRAME AND COVER NOTES**

MANHOLE  
FRAME: EJ 1000  
COVER: TYPE "C" PERFORMED WITH "CITY OF TROY STORM" TEXT

CATCH BASIN - PAVEMENT (RESIDENTIAL)  
FRAME: EJ 808  
COVER: SINUSOIDAL M2

CATCH BASIN - PAVEMENT (NON-RESIDENTIAL)  
FRAME: EJ 510  
COVER: SINUSOIDAL M2

CATCH BASIN - NON-PAVEMENT  
FRAME: EJ 1000  
COVER: TYPE "M", "N" OR "D1" HEAVY DUTY

CATCH BASIN - LANDSCAPE AREA OR ROADSIDE DITCH  
MAY REQUIRE:  
• EJ 1040 TYPE "N" OVAL GRATE OR TYPE O2 BEEHIVE GRATE  
• EJ 1100 TYPE "N" OVAL GRATE OR TYPE O2 BEEHIVE GRATE  
• EJ 2800 TYPE "N" OVAL GRATE OR TYPE O2 BEEHIVE GRATE  
• EJ 6508 OR EJ 6517

**NOTE:**  
CONTRACTOR SHALL VERIFY ALL QUANTITIES. ANY DEVIATIONS TO THE PLAN QUANTITIES SHALL BE BROUGHT TO THE ATTENTION OF PEA GROUP FOR VERIFICATION, PRIOR TO BIDDING.

**PREMIUM TRENCH BACKFILL NOTE:**  
ALL UTILITIES UNDER PAVEMENT OR WITHIN 3' OF THE EDGE OF PAVEMENT (OR WITHIN THE 45° LINE OF INFLUENCE OF PAVEMENT) SHALL HAVE MDOT CLASS II GRANULAR BACKFILL COMPACTED TO 95% MAX. DRY DENSITY (ASTM D-1557).

REFER TO UTILITY NOTES ON SHEET C-7.0.

**END SECTIONS**

30	END SECTION 30° 717.00
70	END SECTION 18° 716.20
80	END SECTION 12° 716.00
90	END SECTION 12° 718.00
100	END SECTION 24° 712.00
110	END SECTION 42° 733.00
112	END SECTION 42° 734.59
113	END SECTION 30° 737.90
114	END SECTION 30° 737.90
115	END SECTION 30° 736.69
116	END SECTION 30° 736.99

**SCALE:** 1" = 30'

**811** Know what's below. Call before you dig.

**CAUTION!**  
THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES AND STRUCTURES. ANY DEVIATIONS TO THE PLAN QUANTITIES SHALL BE BROUGHT TO THE ATTENTION OF PEA GROUP FOR VERIFICATION, PRIOR TO BIDDING.



TMP ARCHITECTURE INC  
191 WEST SQUARE LAKE ROAD  
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REGISTRATION SEAL

CONSULTANT  
**PEA GROUP**  
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www.peagroup.com

PROJECT TITLE  
**New Smith Middle School Bld Package No. 03C**

Troy School District  
**Troy, Michigan**

DRAWING TITLE  
**UTILITY PLAN - WEST**

ISSUE DATES

06-18-2024 CONSTRUCTION DOCUMENTS

DATE ISSUED FOR:

DRAWN JW

CHECKED TD

APPROVED TD

PROJECT NO.  
**22102**

DRAWING NO.  
**C-5.1**



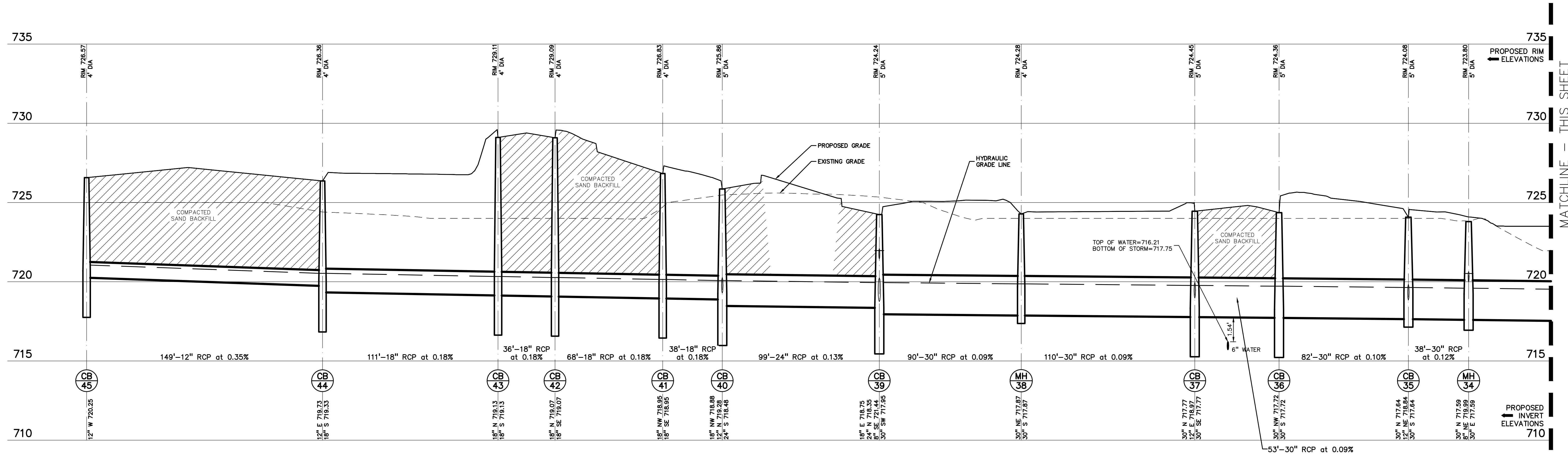






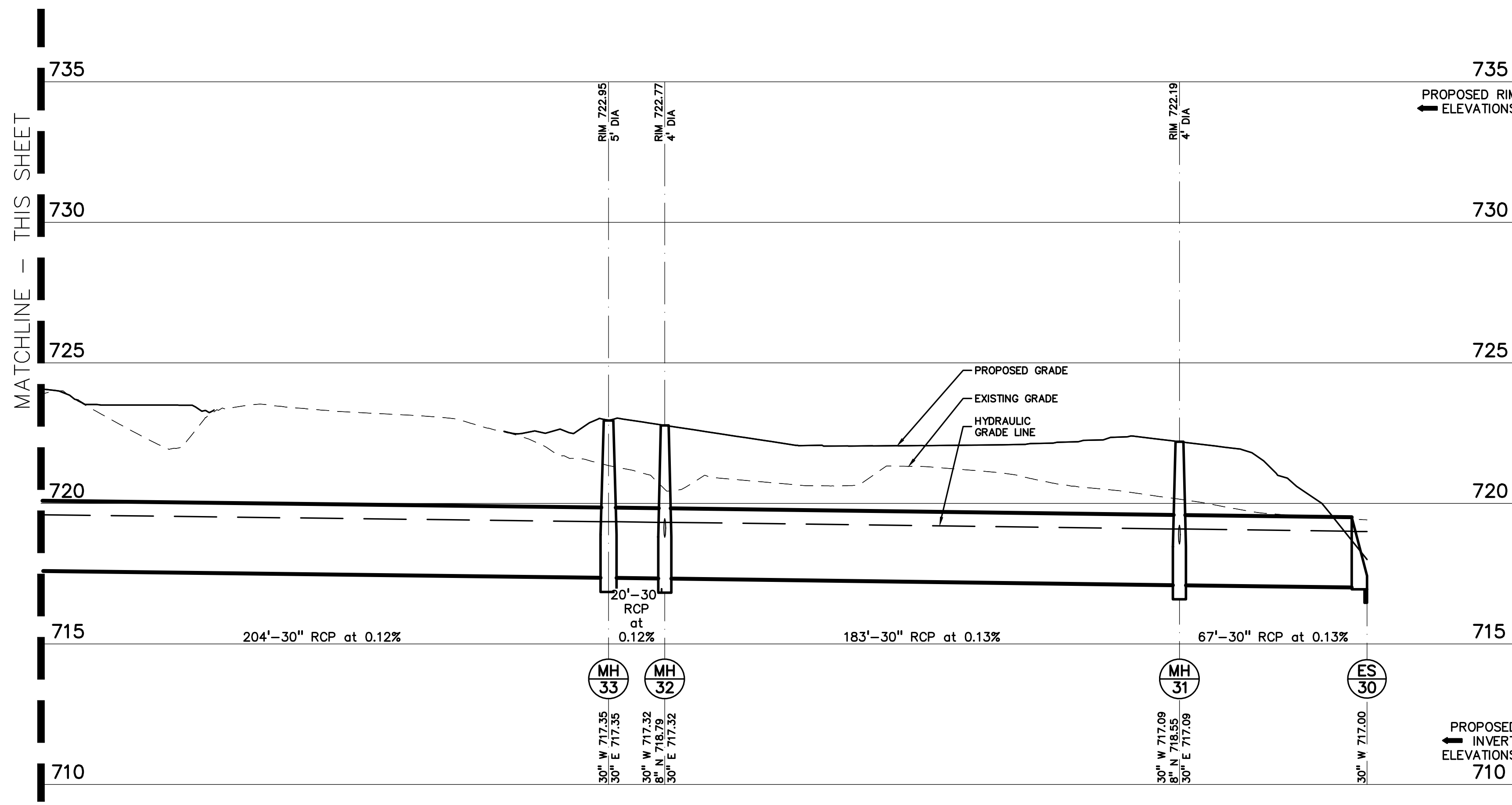


**CAUTION!**  
THE LOCATION, DEPTH, AND CONTENT OF EXISTING UTILITIES ARE SHOWN ON THIS DRAWING AS ONLY APPROXIMATE. NO GUARANTEE IS MADE BY THE CONTRACTOR OR THE CONSULTANT AS TO THE ACCURACY OF THESE UTILITIES. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH, AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.



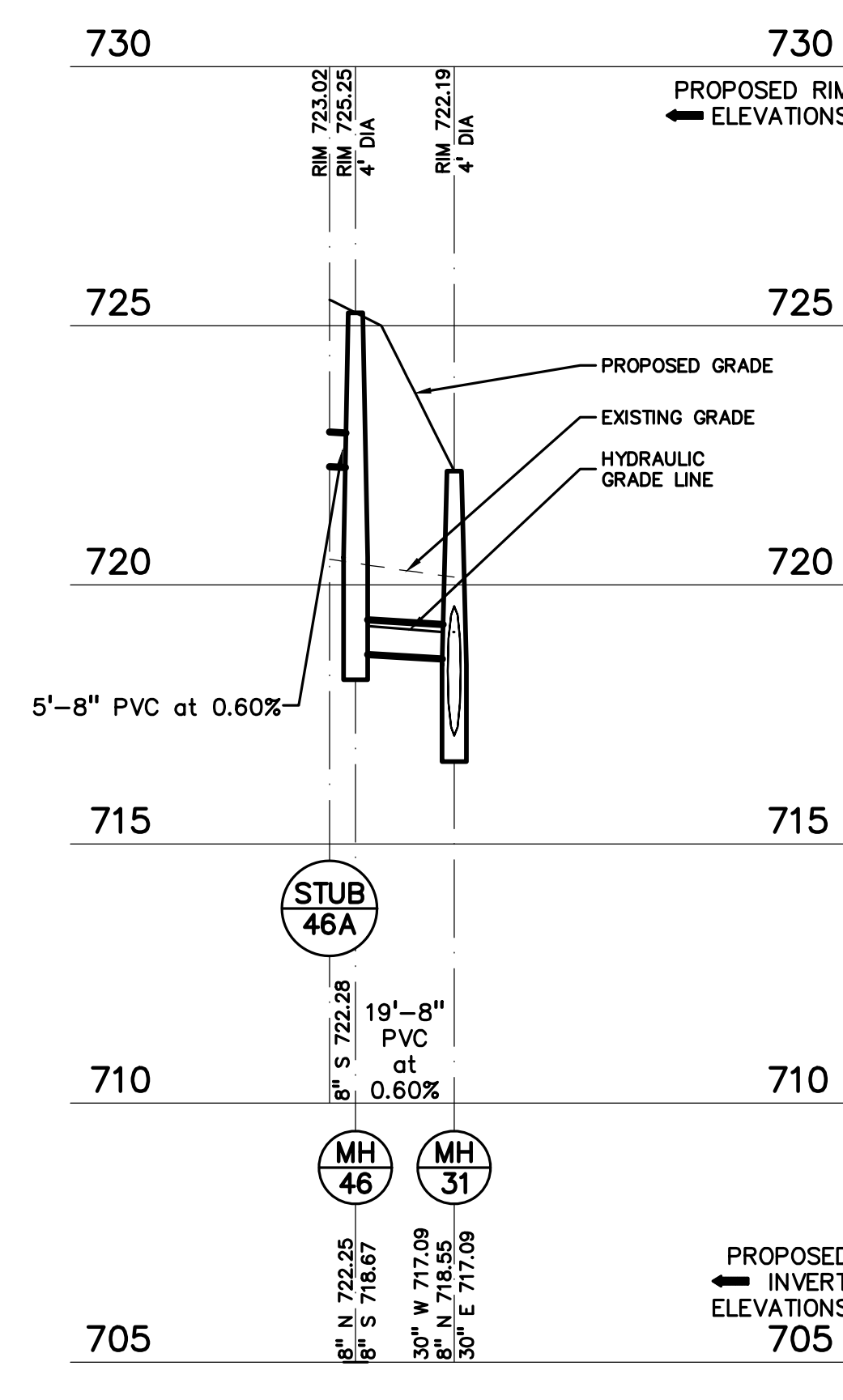
**STORM 45-30 PROFILE**

HORIZ: 1" = 30'  
VERT: 1" = 3'



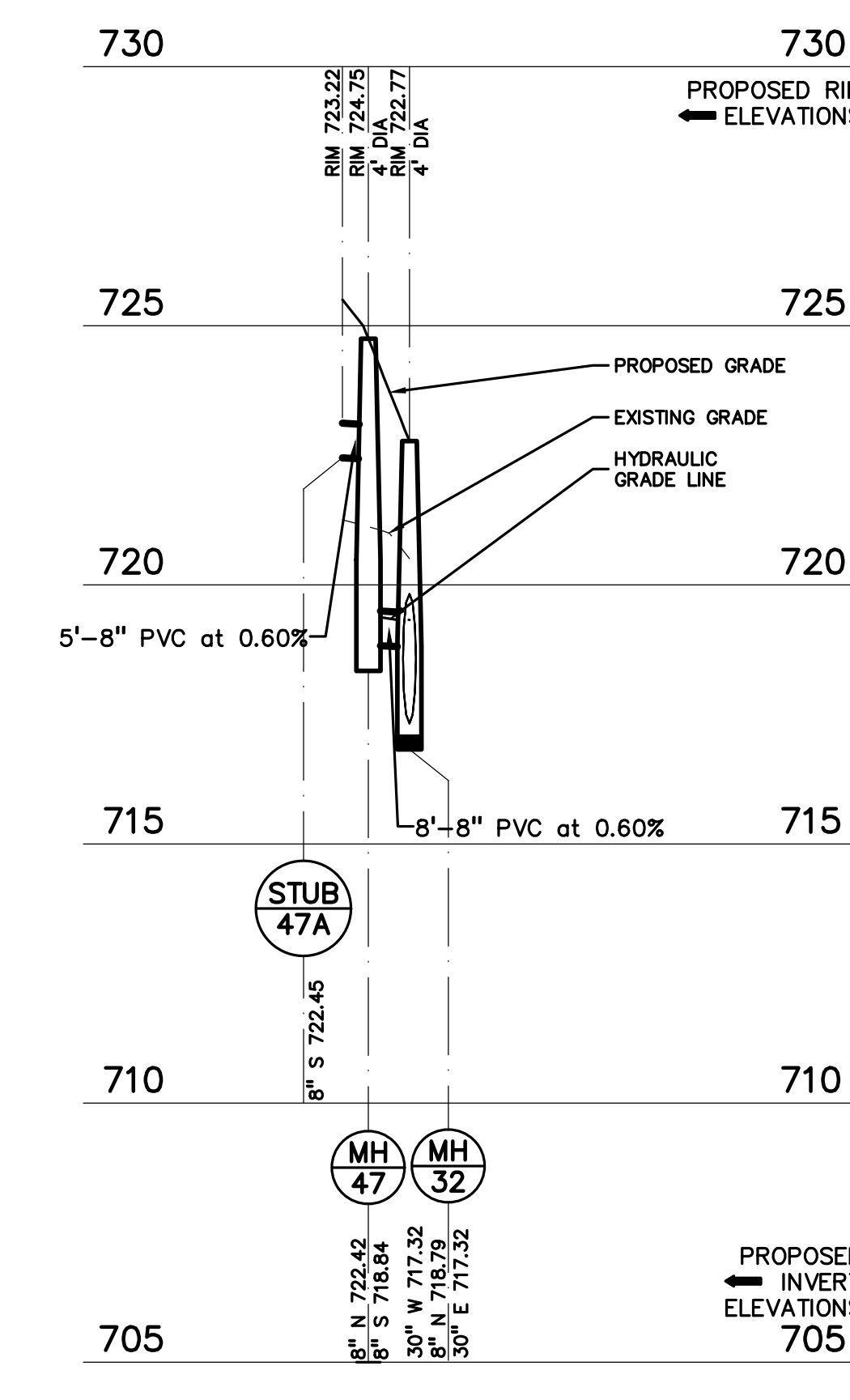
**STORM 45-30 PROFILE**

HORIZ: 1" = 30'  
VERT: 1" = 3'



**STORM 46-31 PROFILE**

HORIZ: 1" = 30'  
VERT: 1" = 3'



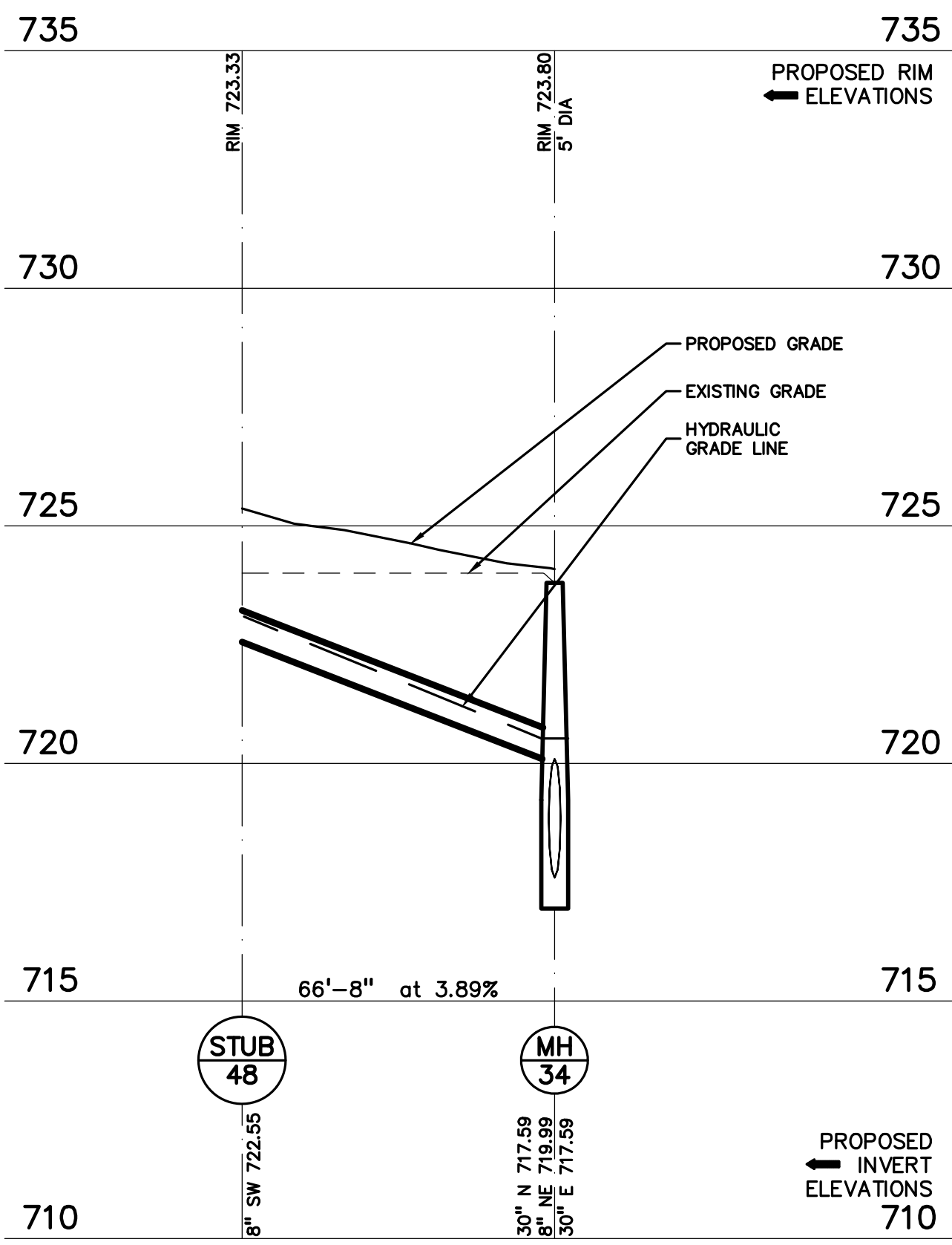
**STORM 47-32 PROFILE**

HORIZ: 1" = 30'  
VERT: 1" = 3'


DRAWN	JW
CHECKED	TD
APPROVED	TD

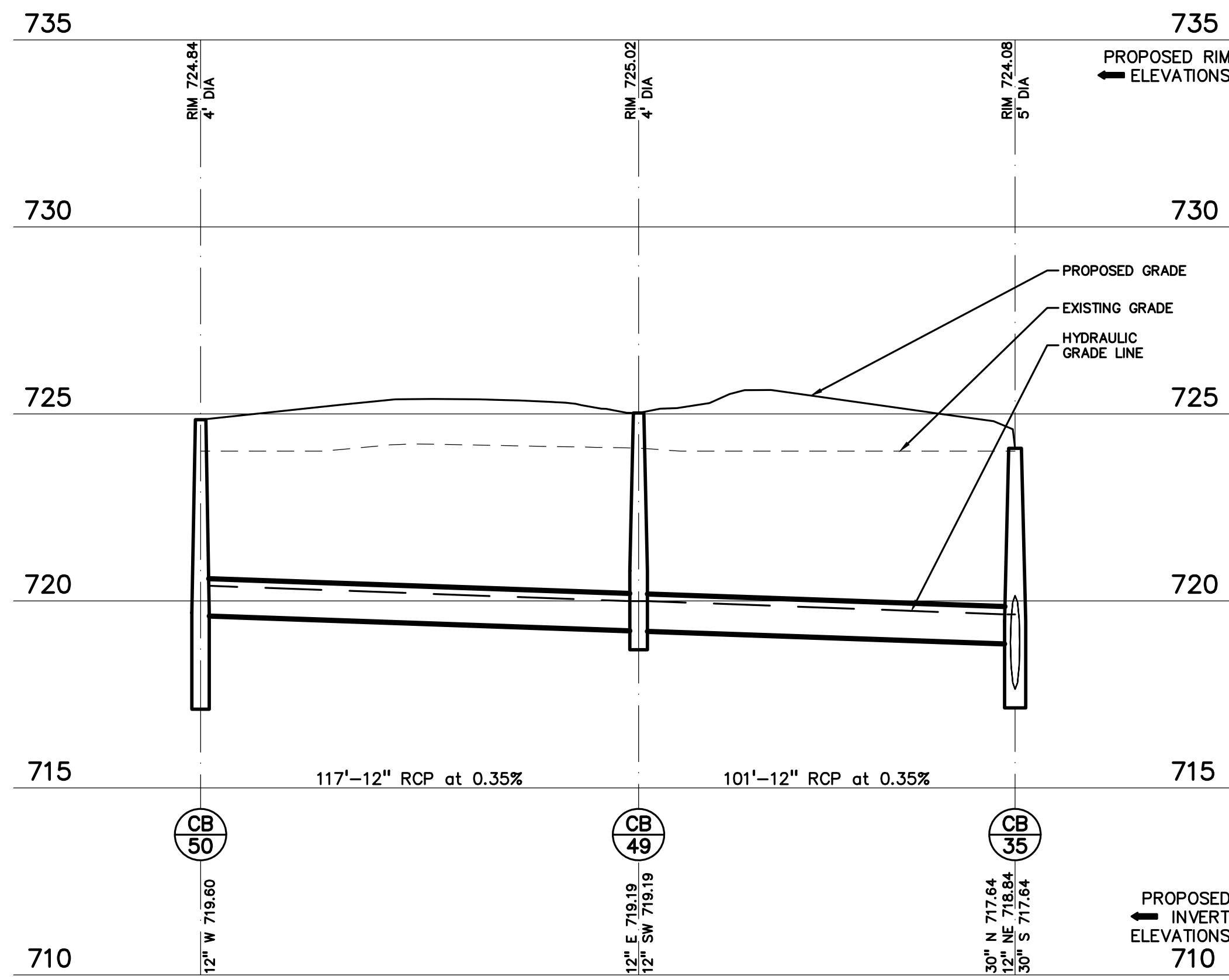


**CAUTION!**  
THE LOCATION AND DEPTHS OF EXISTING UTILITIES ARE SHOWN ON THIS DRAWING AS ONLY APPROXIMATE. NO GUARANTEE IS MADE OR IMPLIED. ANYONE WHO DIGS WITHOUT ACCURATE RECORD INFORMATION SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT LOCATION AND DEPTHS PRIOR TO THE START OF CONSTRUCTION.



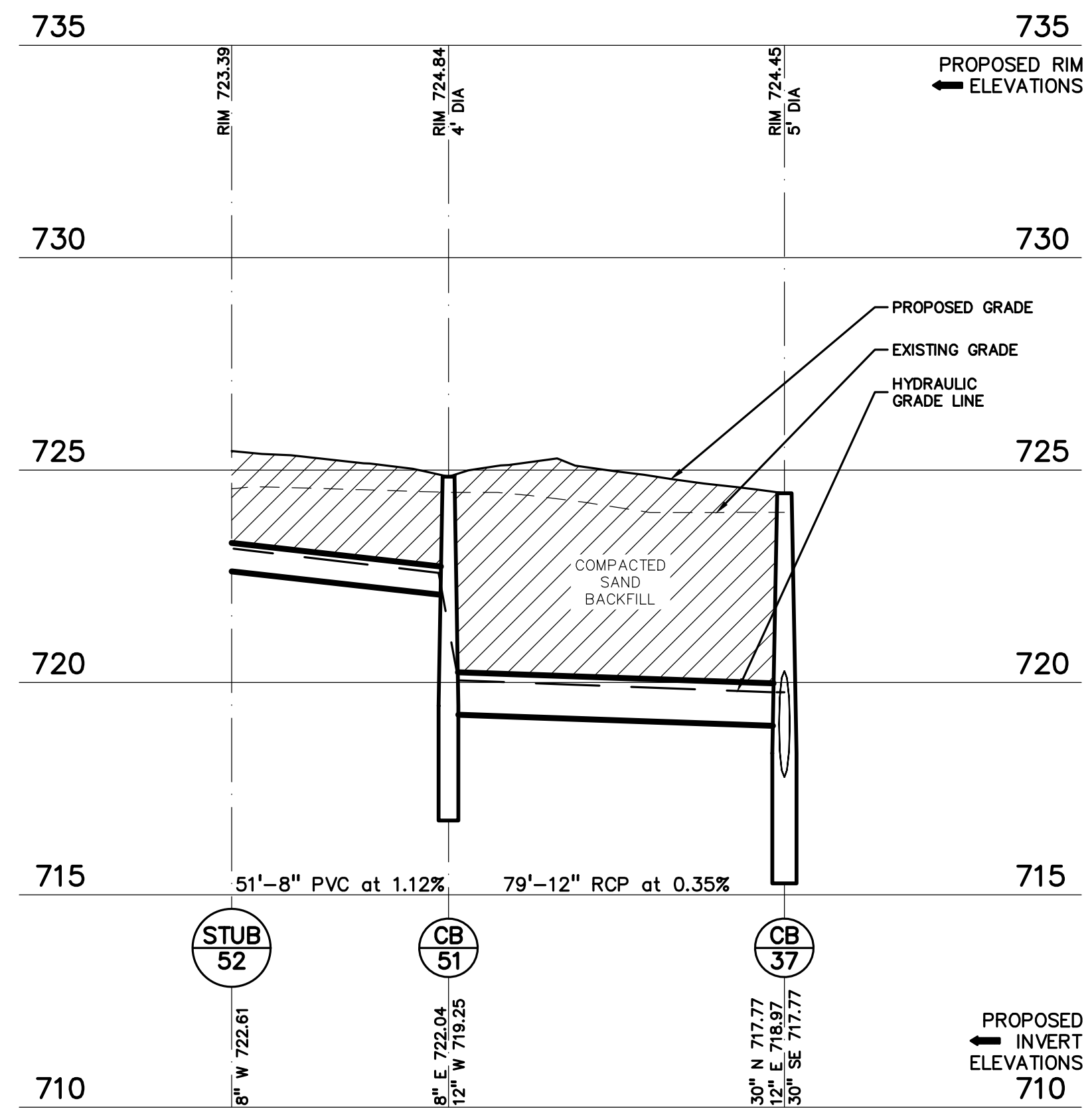
**STORM 48-34 PROFILE**

HORIZ: 1" = 30'  
VERT: 1" = 3'



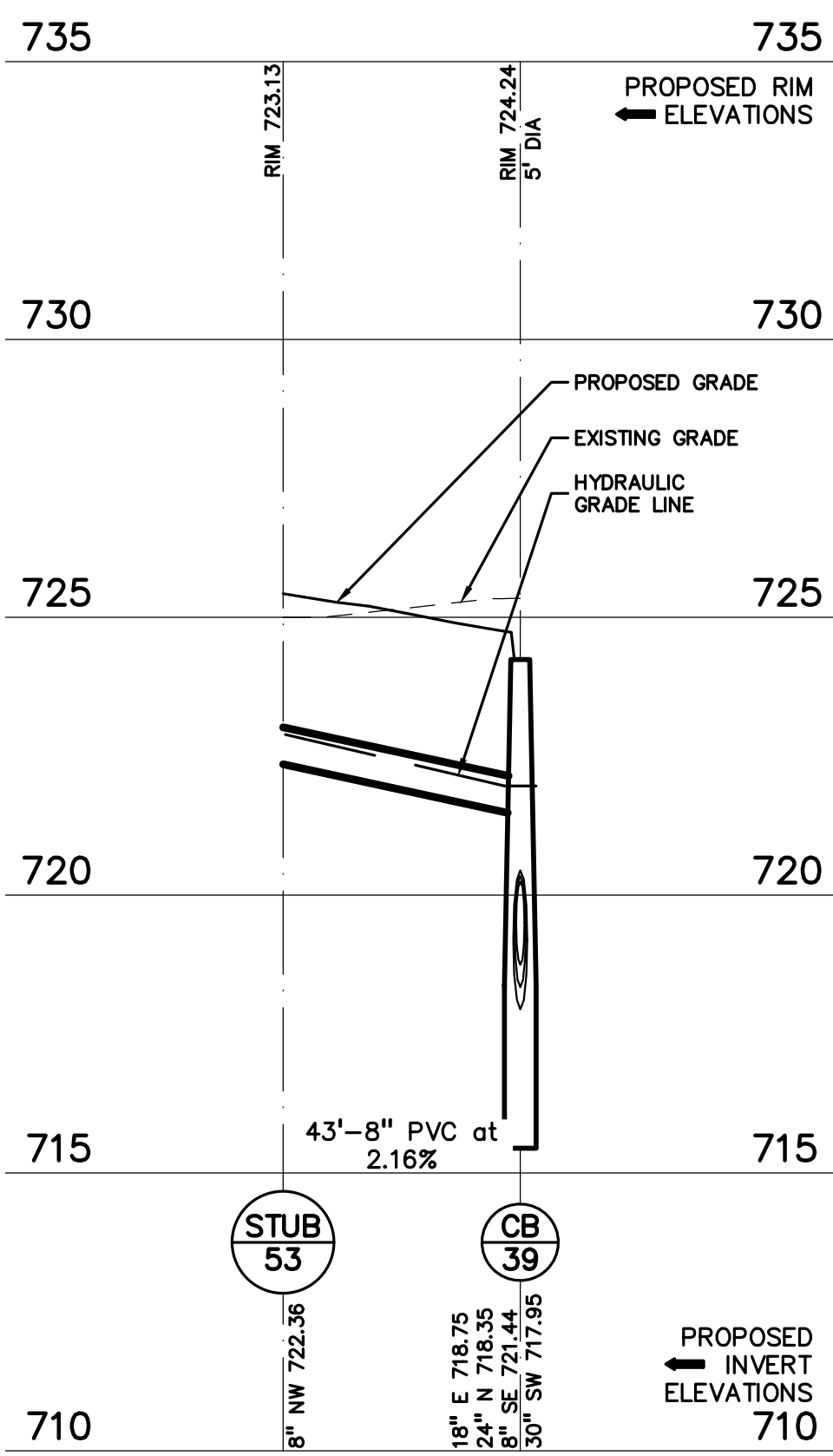
**STORM 50-35 PROFILE**

HORIZ: 1" = 30'  
VERT: 1" = 3'



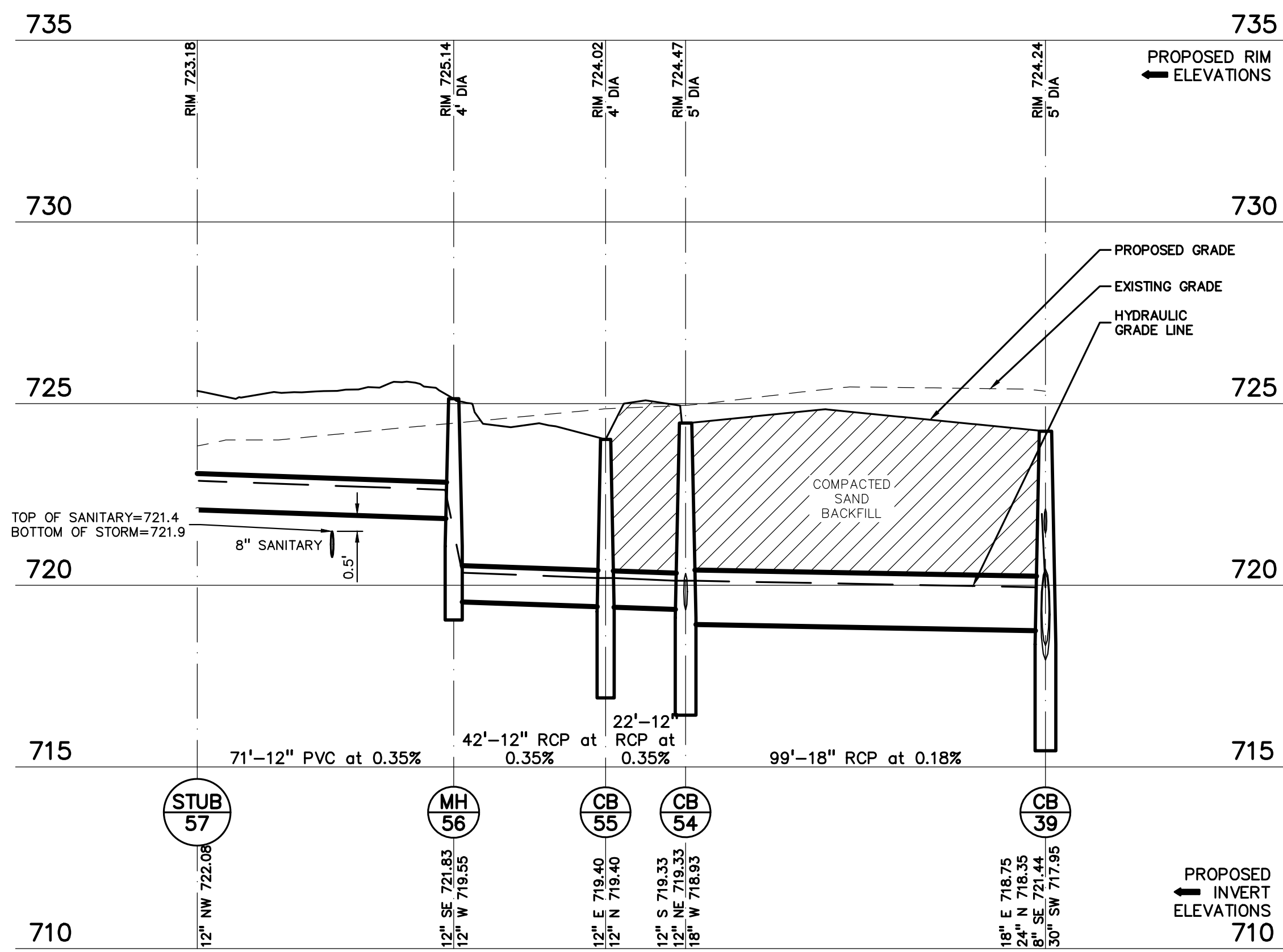
**STORM 52-37 PROFILE**

HORIZ: 1" = 30'  
VERT: 1" = 3'



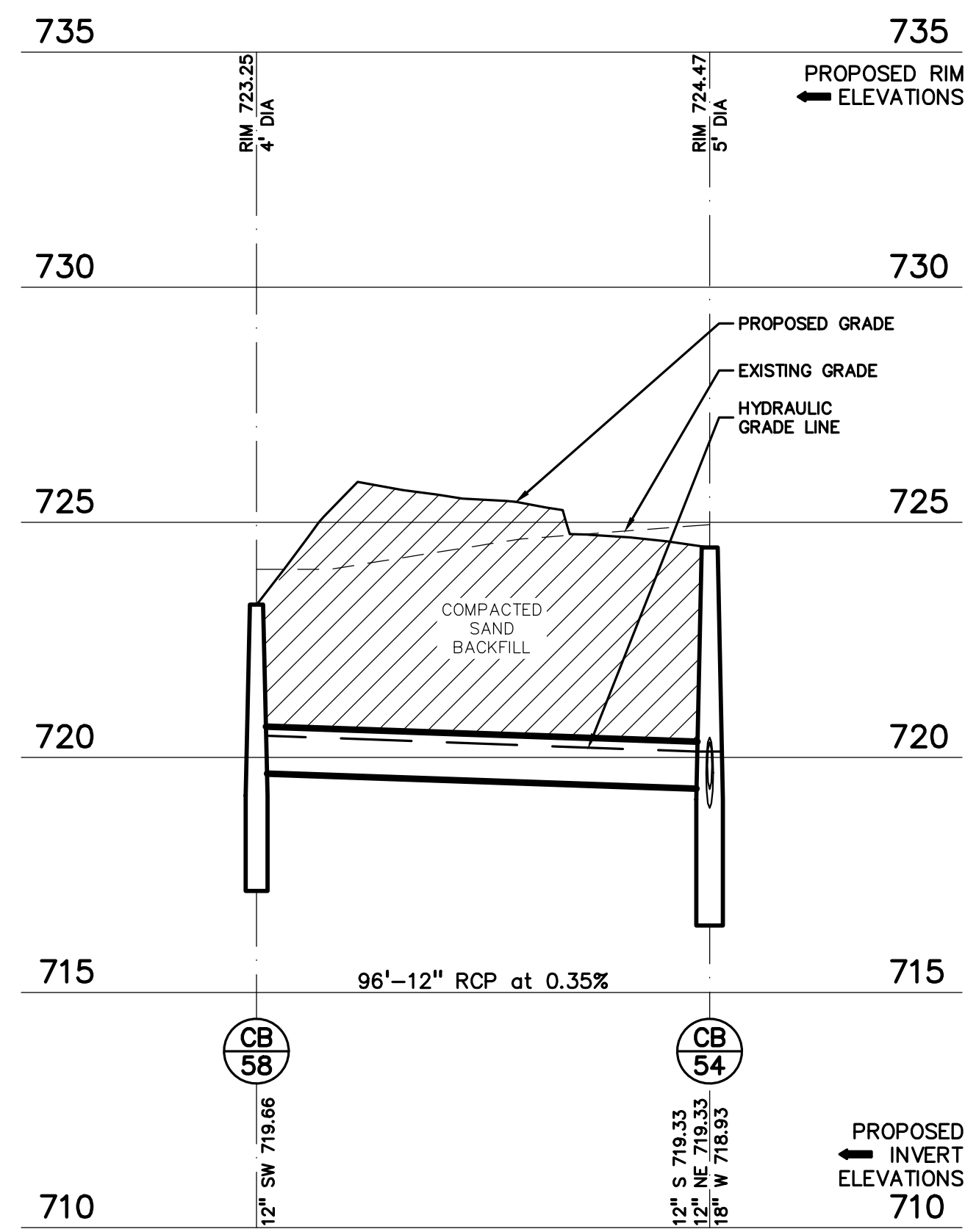
**STORM 53-39 PROFILE**

HORIZ: 1" = 30'  
VERT: 1" = 3'



**STORM 57-39 PROFILE**

HORIZ: 1" = 30'  
VERT: 1" = 3'



**STORM 58-54 PROFILE**

HORIZ: 1" = 30'  
VERT: 1" = 3'

REGISTRATION SEAL

CONSULTANT



PROJECT TITLE

**New Smith Middle School**  
**Bid Package No. 03C**

**Troy School District**  
**Troy, Michigan**

DRAWING TITLE

**STORM SEWER PROFILES**

ISSUE DATES

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06-18-2024 CONSTRUCTION DOCUMENTS

DATE ISSUED FOR:

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CHECKED	TD
APPROVED	TD

PROJECT NO.

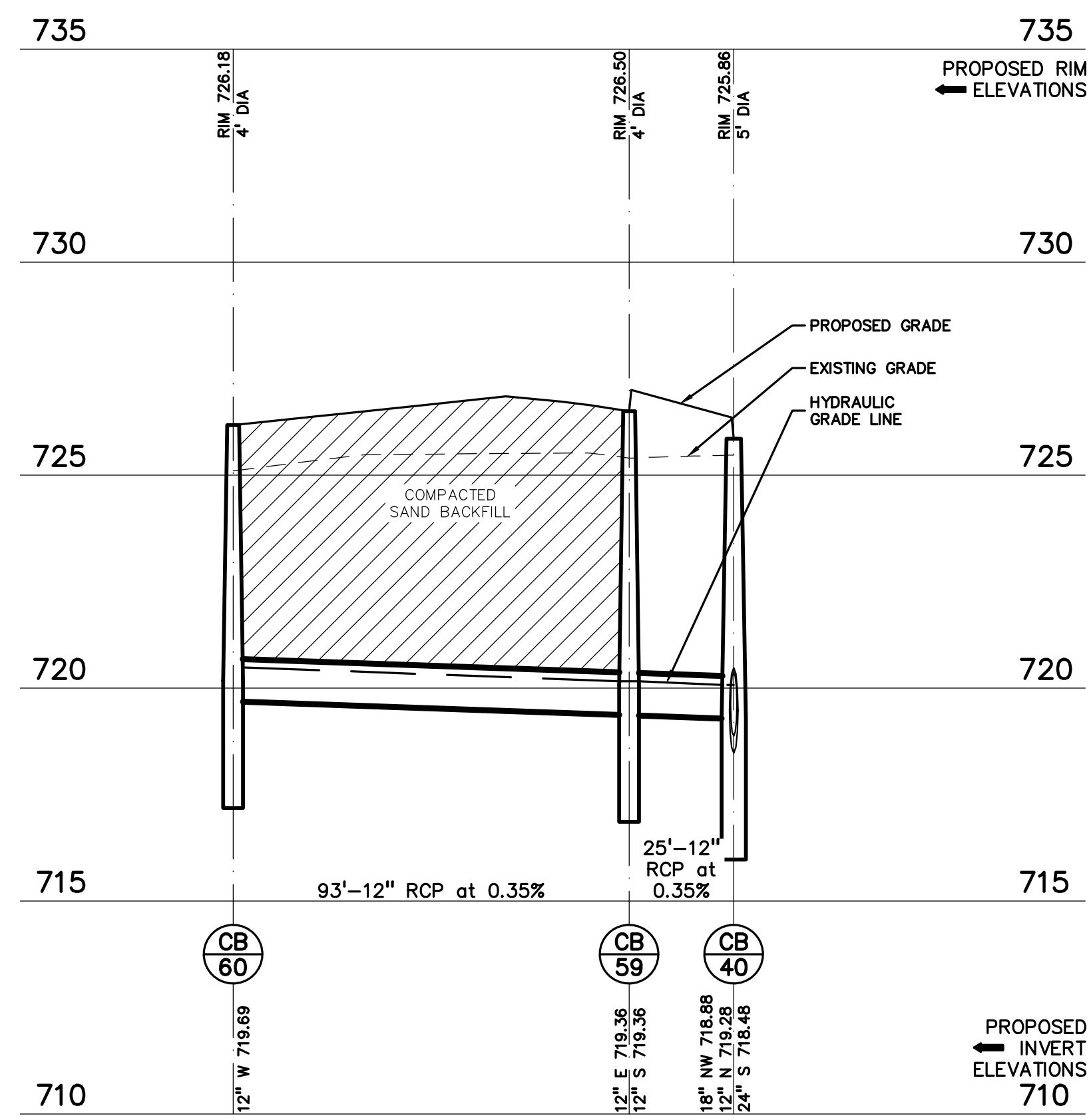
**22102**

DRAWING NO.

**C-6.3**

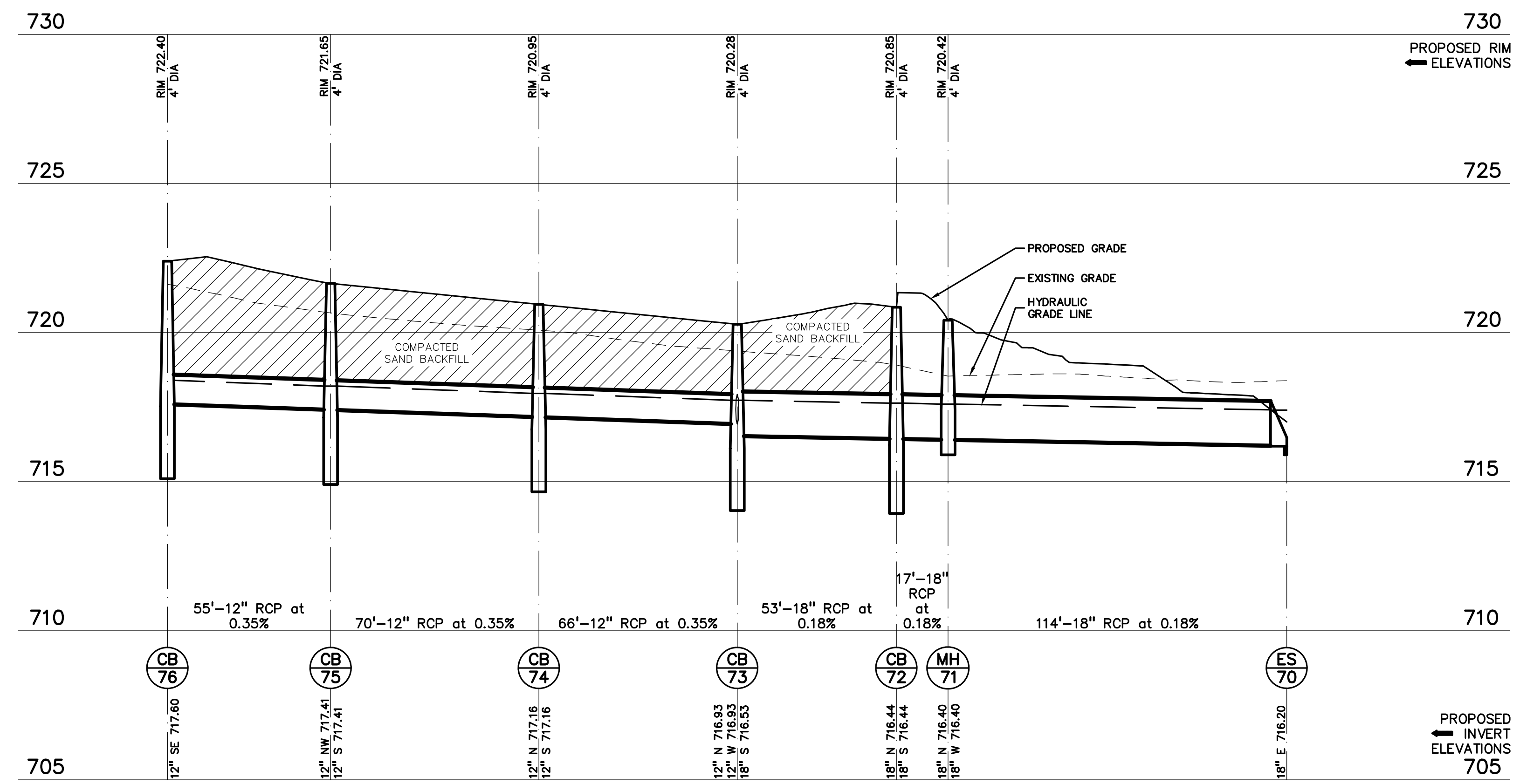


CAUTION!  
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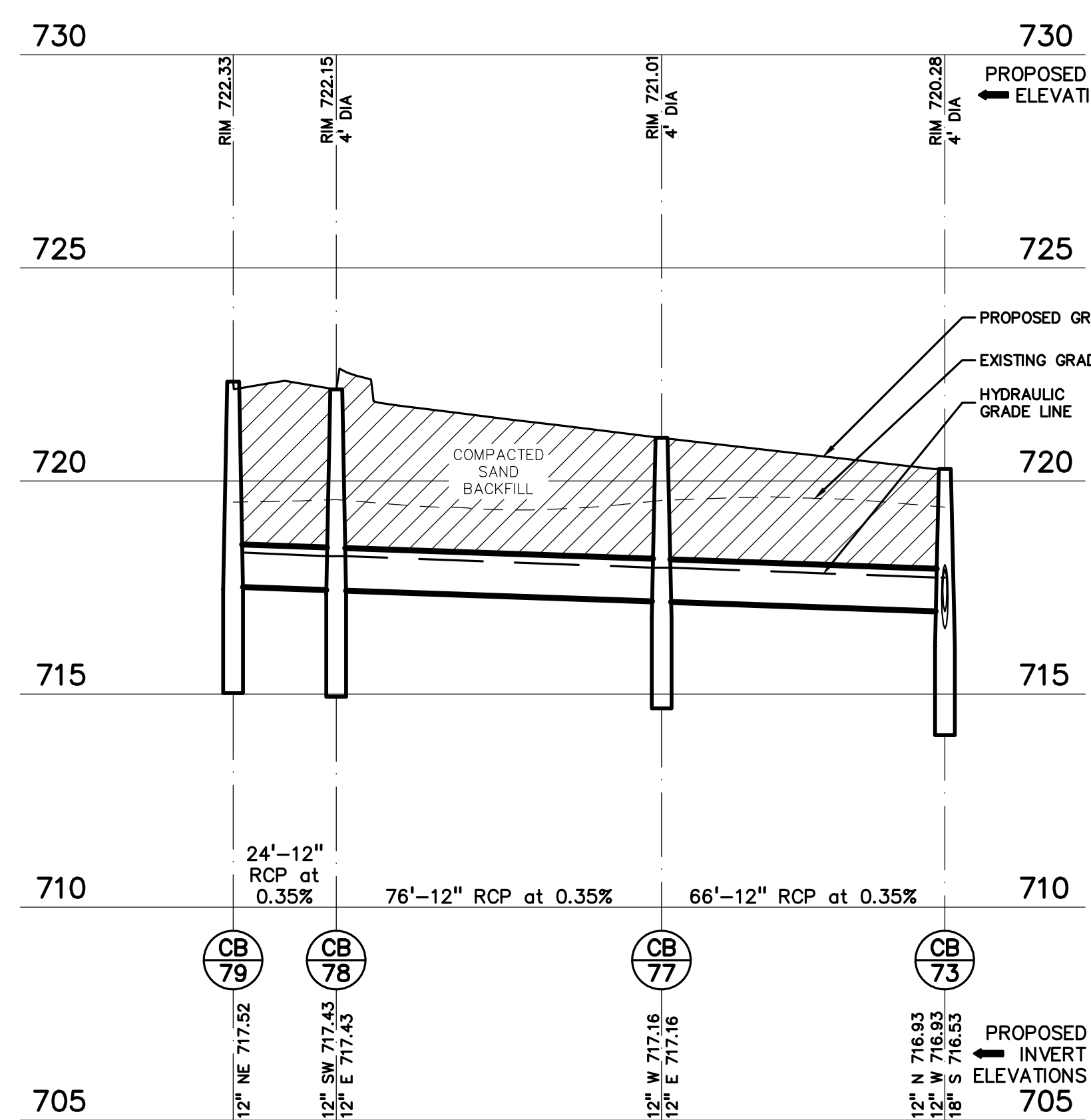
STORM 60-40 PROFILE

HORIZ: 1" = 30'  
VERT: 1" = 3'



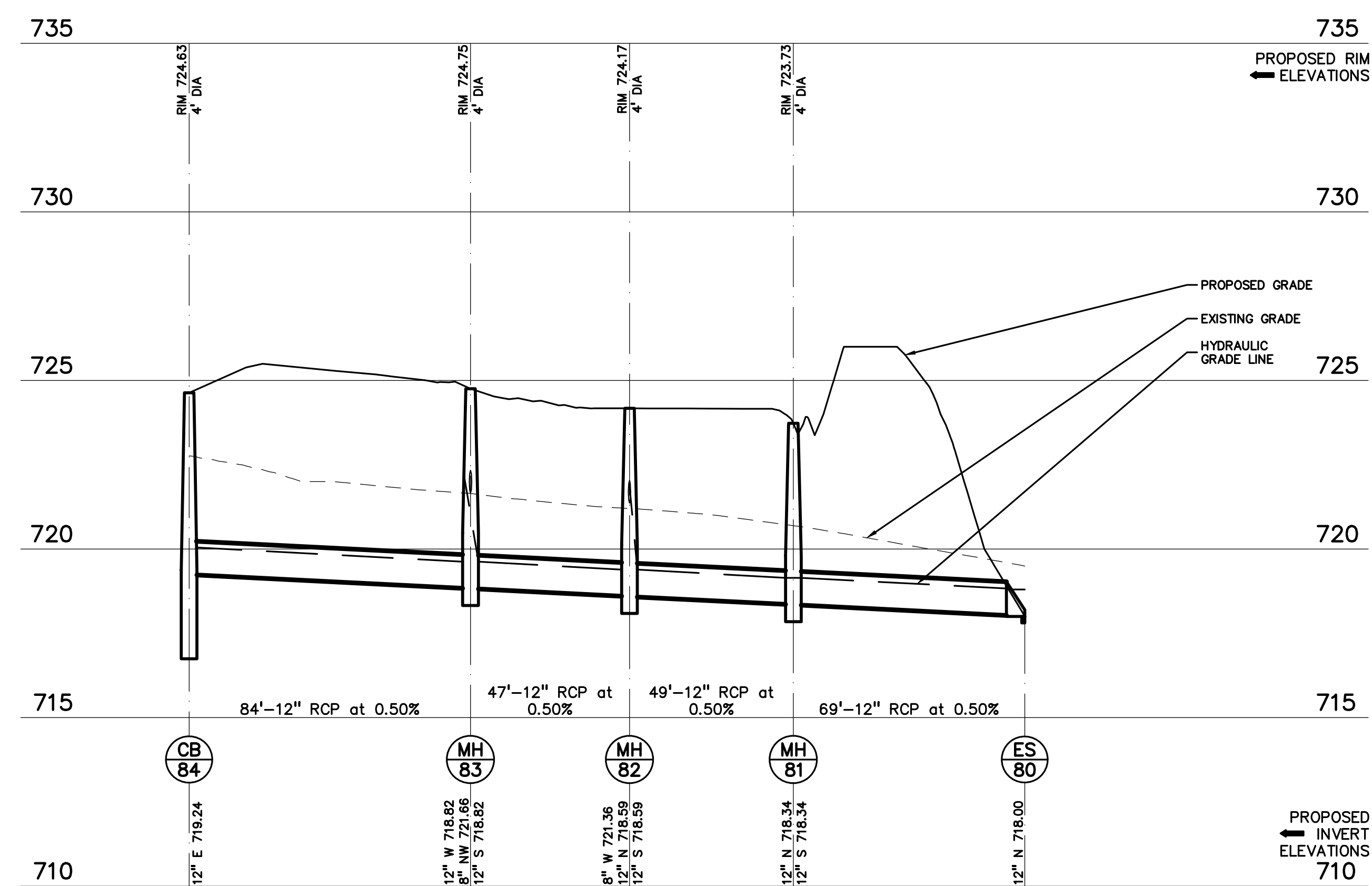
STORM 76-70 PROFILE

HORIZ: 1" = 30'  
VERT: 1" = 3'



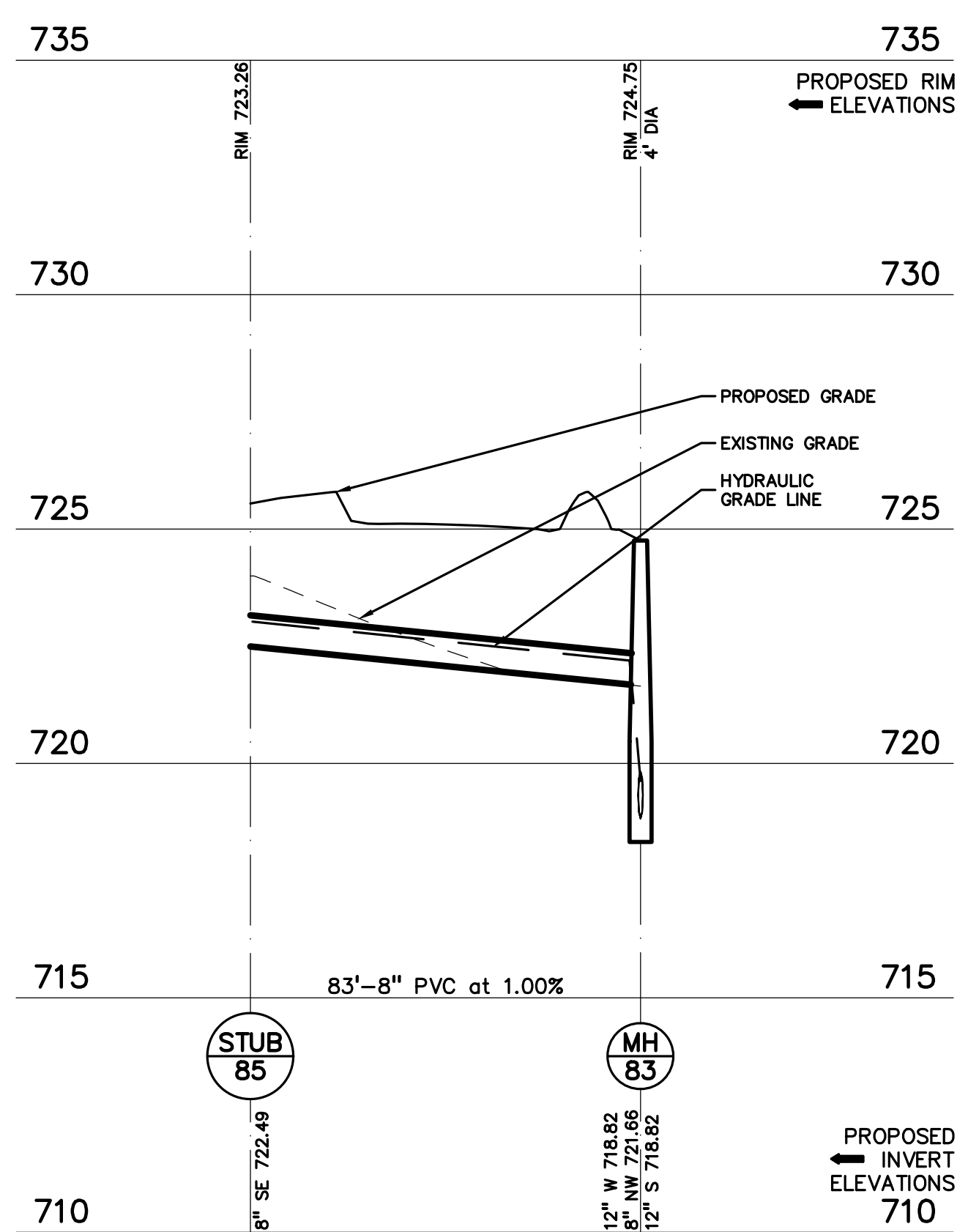
STORM 79-73 PROFILE

HORIZ: 1" = 30'  
VERT: 1" = 3'



STORM 84-80 PROFILE

HORIZ: 1" = 30'  
VERT: 1" = 3'



STORM 85-83 PROFILE

HORIZ: 1" = 30'  
VERT: 1" = 3'



TMP ARCHITECTURE INC  
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REGISTRATION SEAL

CONSULTANT



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t 844.813.2949  
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PROJECT TITLE  
**New Smith Middle School  
Bid Package No. 03C**

**Troy School District  
Troy, Michigan**

DRAWING TITLE  
**STORM SEWER PROFILES**

ISSUE DATES

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06-18-2024 CONSTRUCTION DOCUMENTS

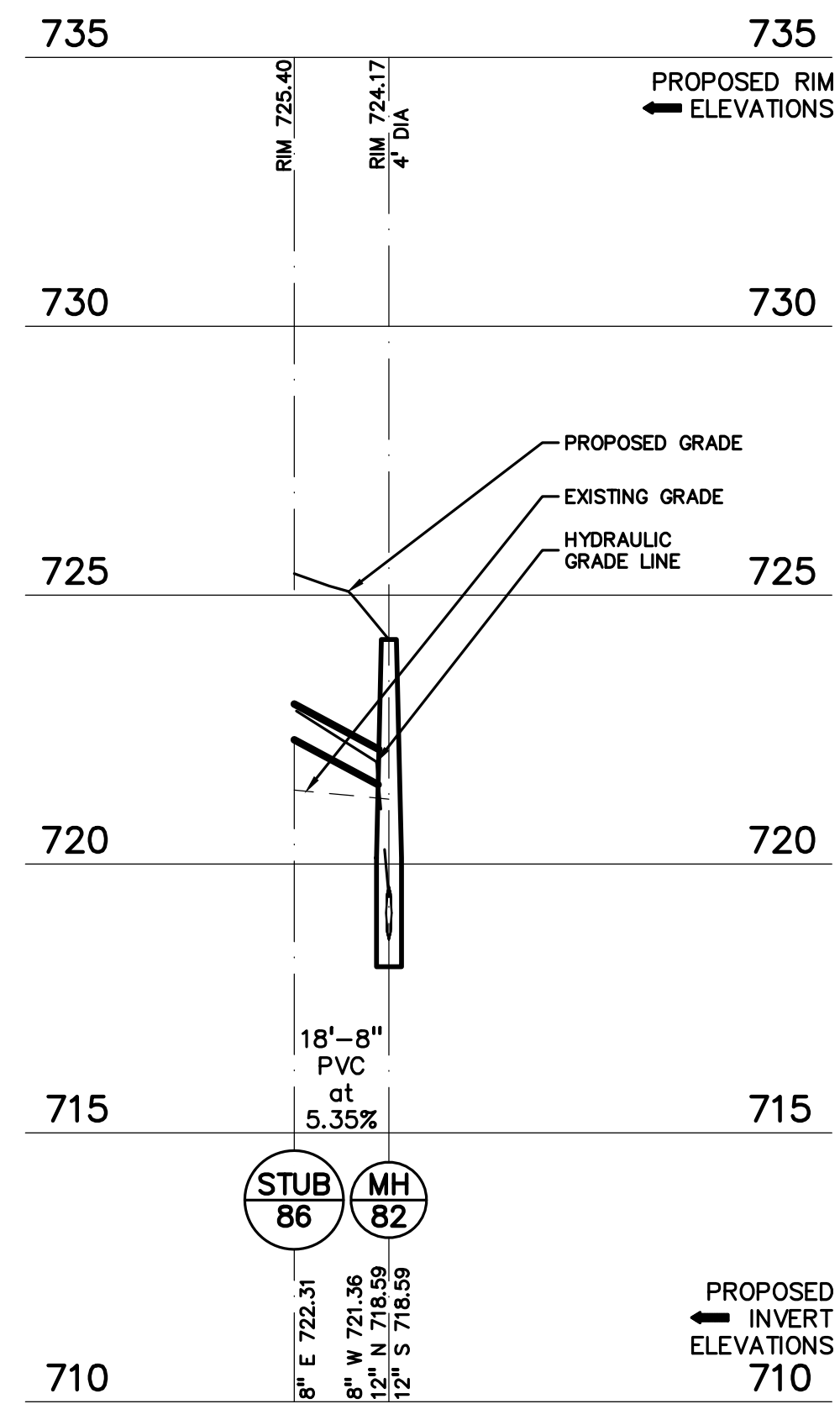
DATE ISSUED FOR:

DRAWN	JW
CHECKED	TD
APPROVED	TD

PROJECT NO.  
**22102**

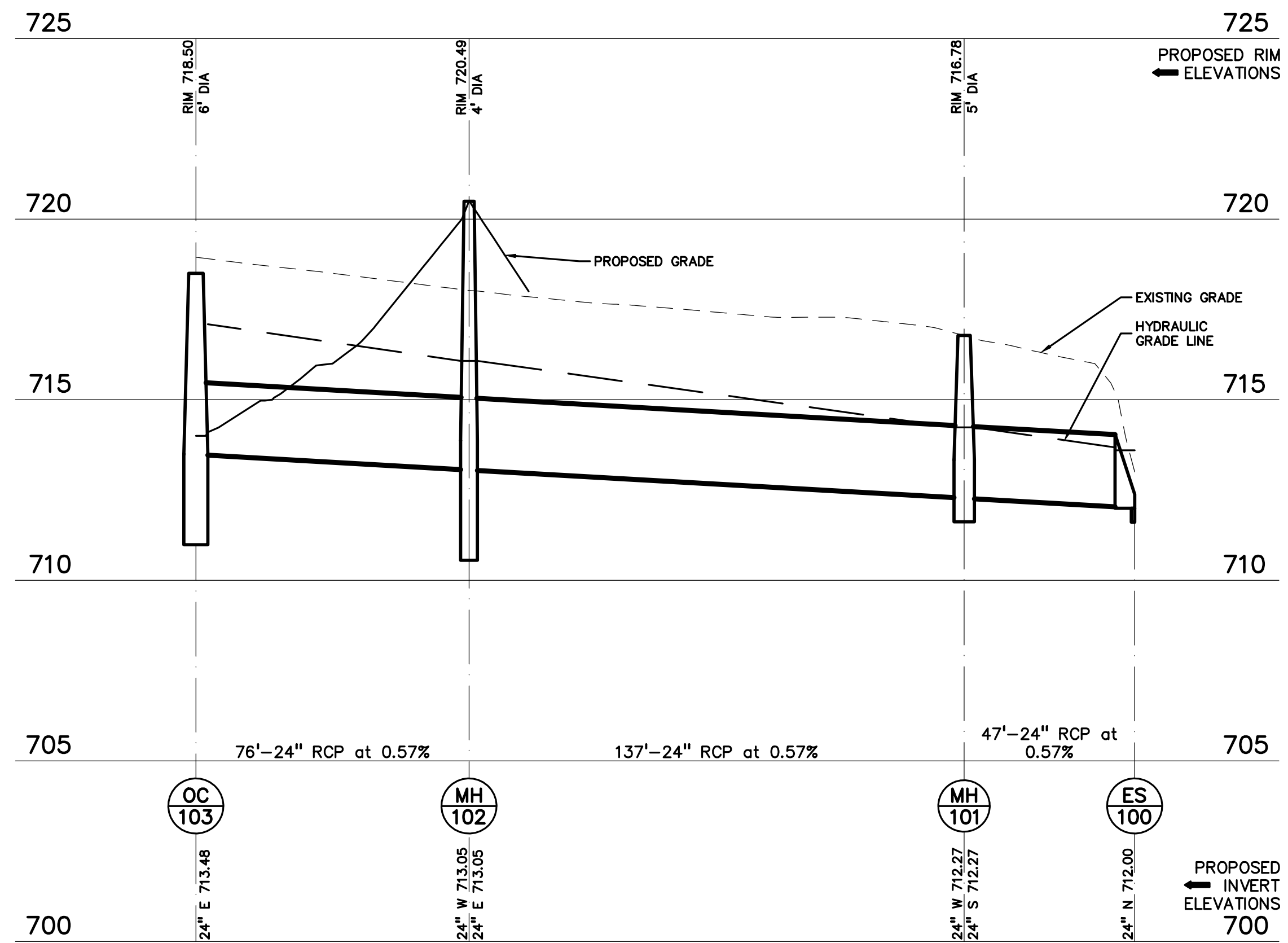
DRAWING NO.  
**C-6.4**

56'-12" D.I.P. at 2.21%



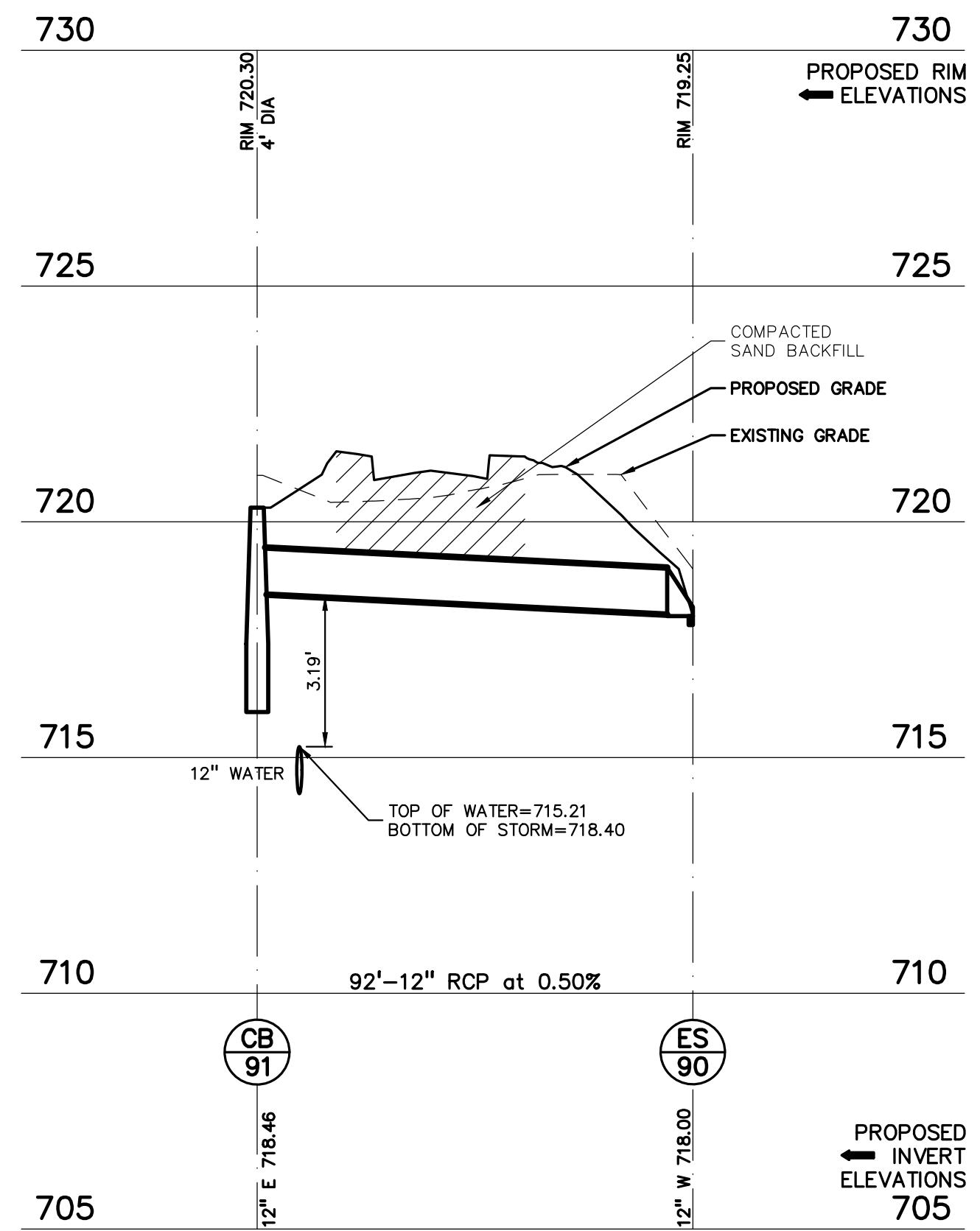
STORM 86-82 PROFILE

HORIZ: 1" = 30'  
VERT: 1" = 3'



STORM 103-100 PROFILE

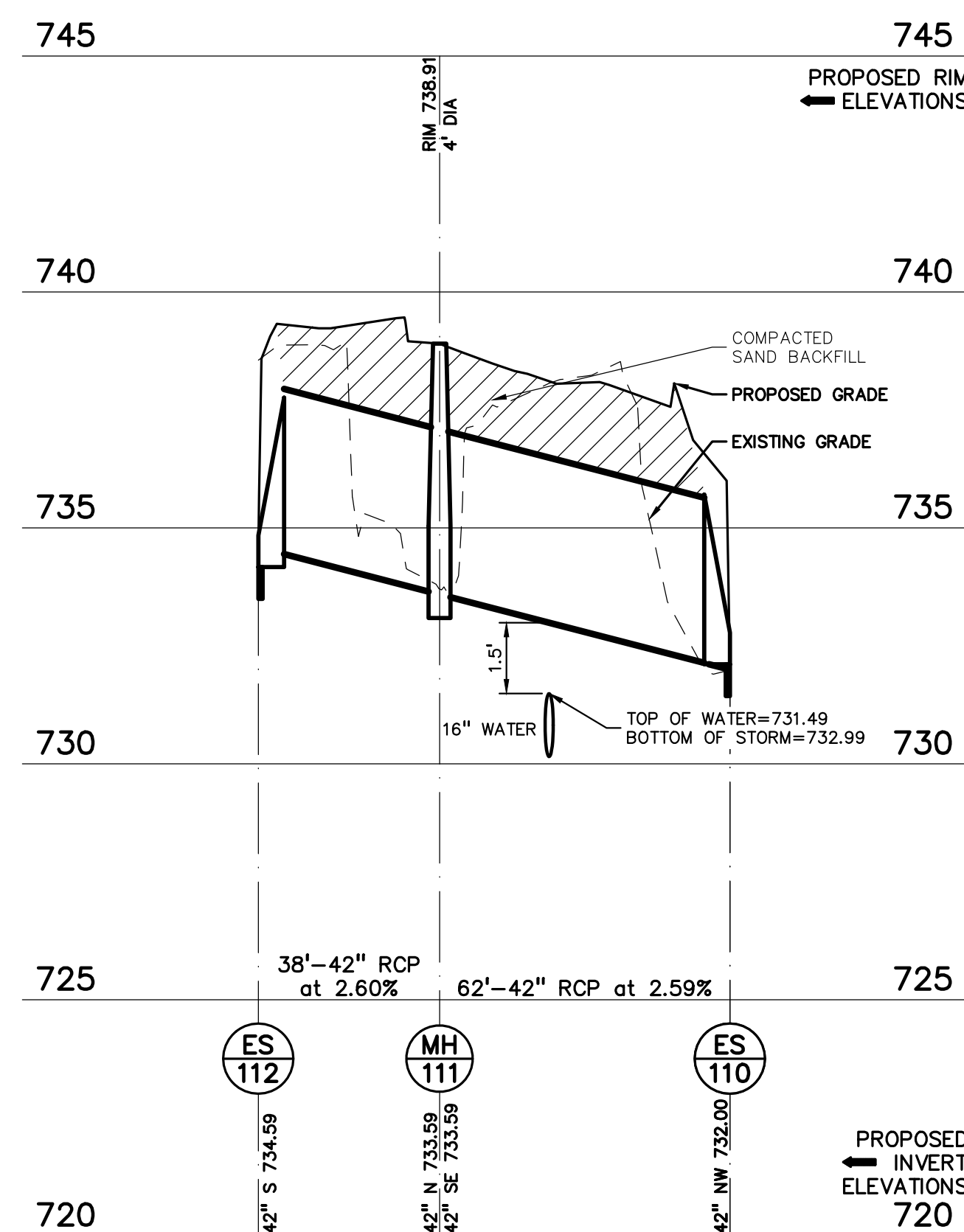
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VERT: 1" = 3'



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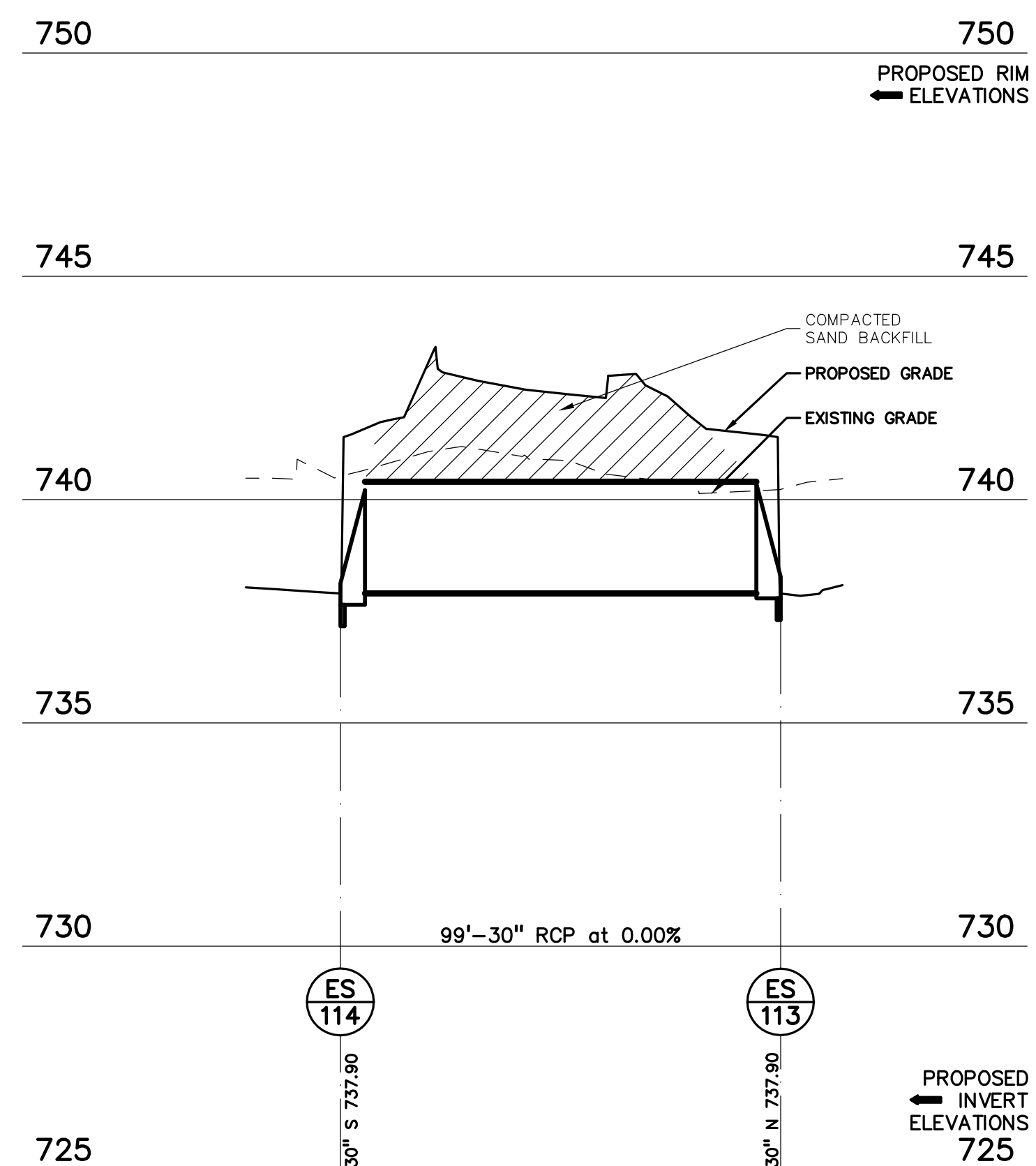
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VERT: 1" = 3'

10'-16"  
D.I.P.  
at  
0.00%



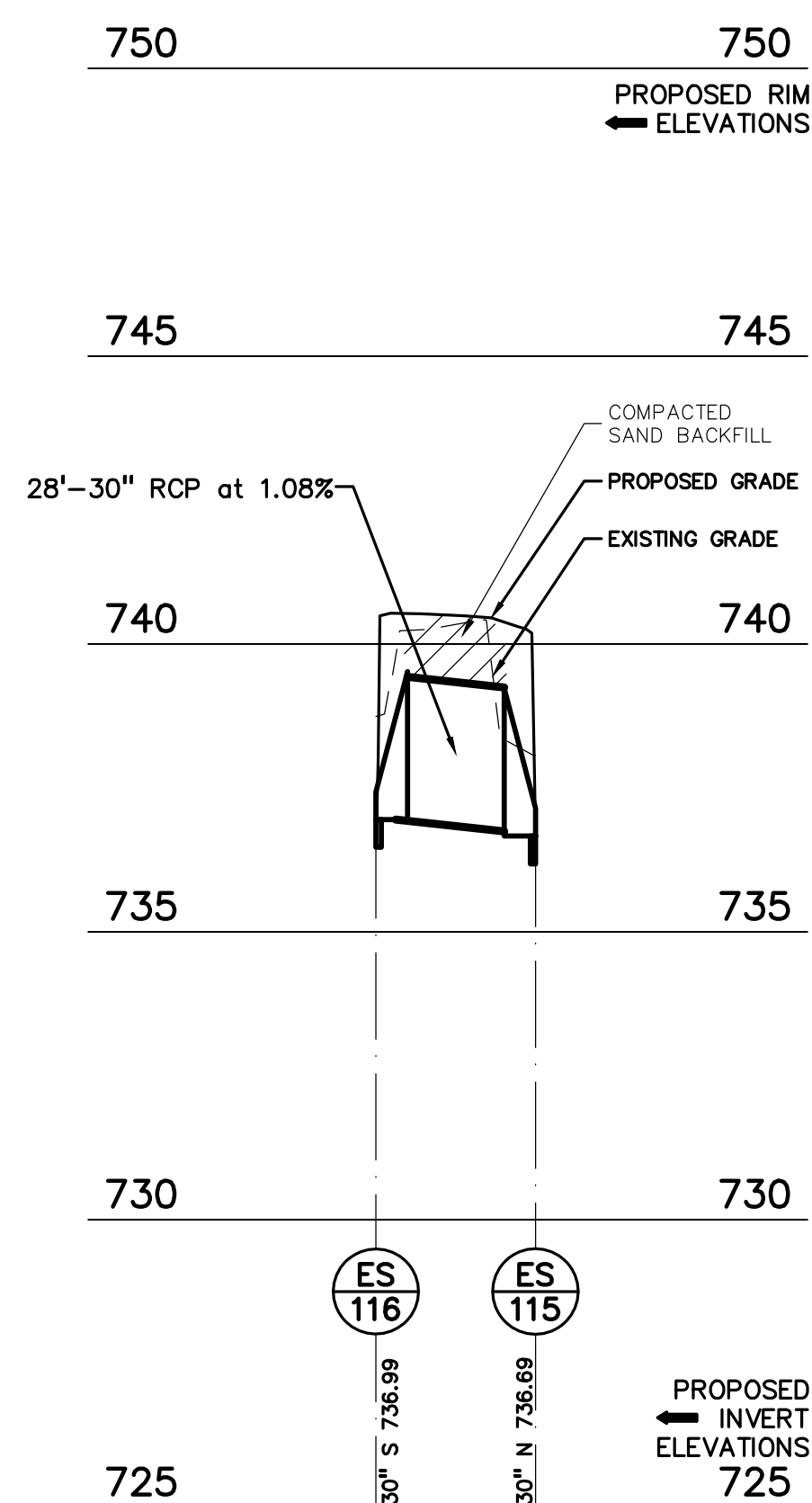
STORM 112-110 PROFILE

HORIZ: 1" = 30'  
VERT: 1" = 3'



STORM 114-113 PROFILE

HORIZ: 1" = 30'  
VERT: 1" = 3'



STORM 116-115 PROFILE

HORIZ: 1" = 30'  
VERT: 1" = 3'

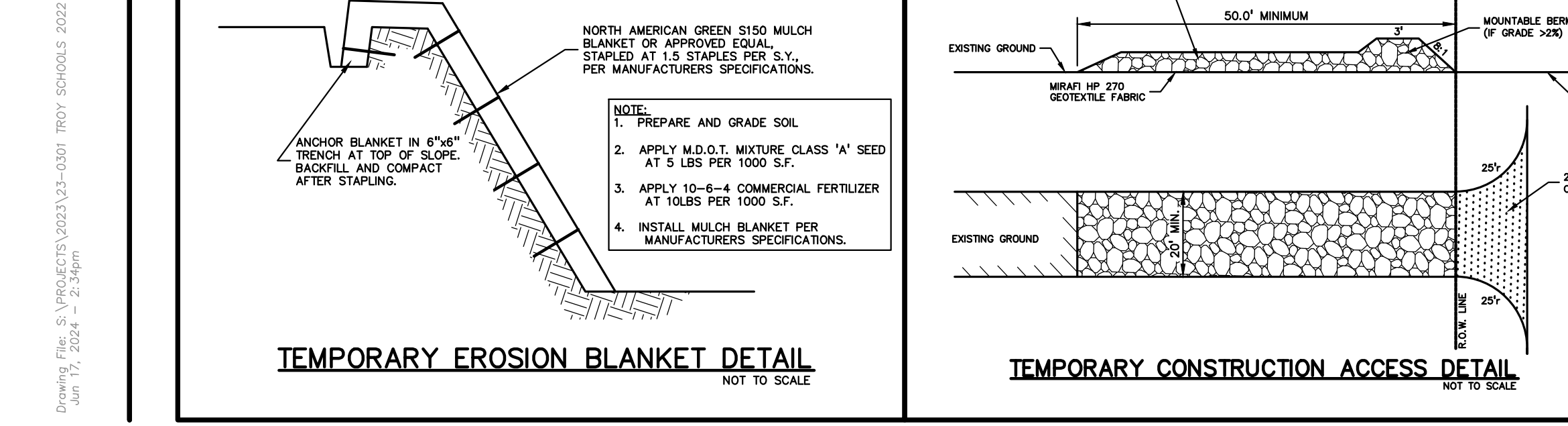
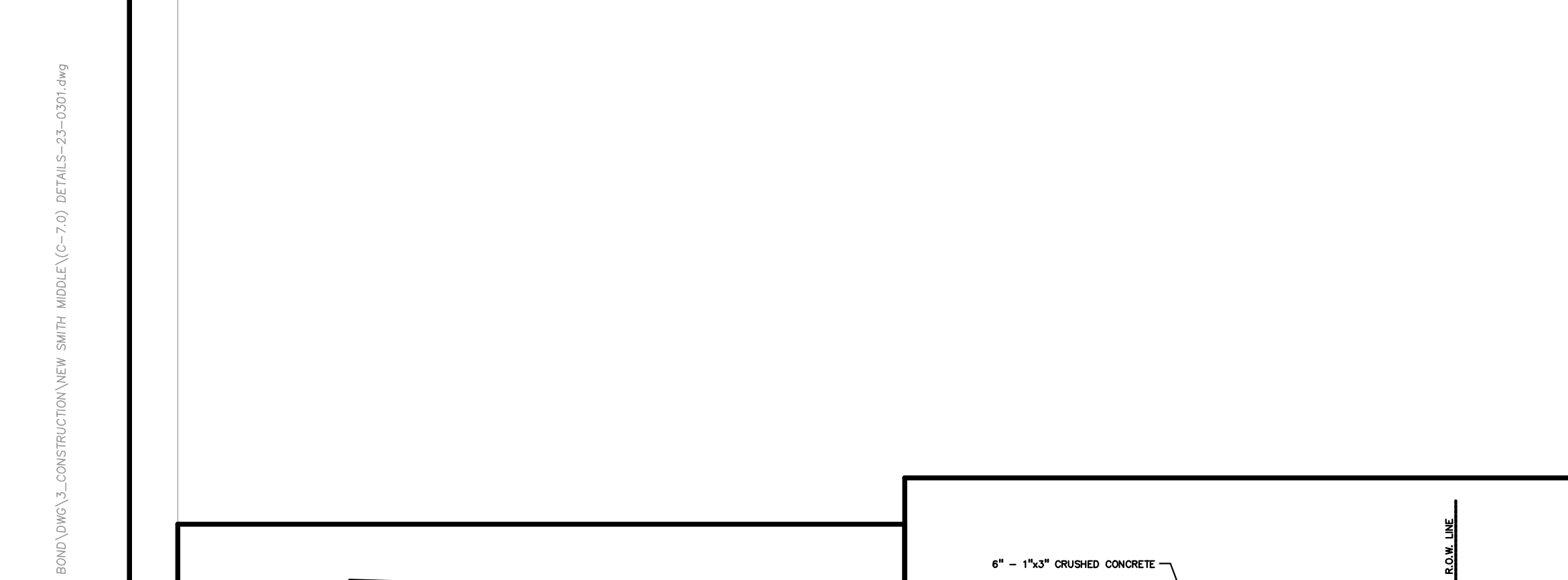
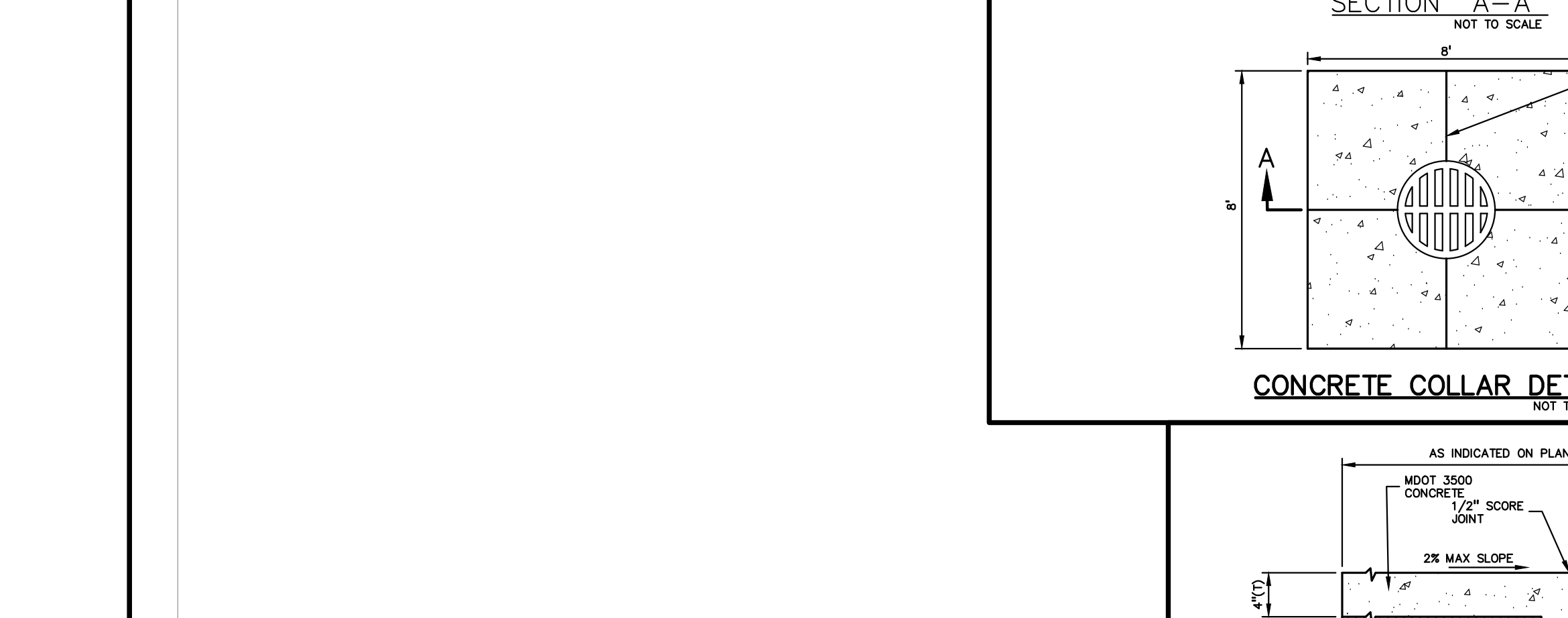
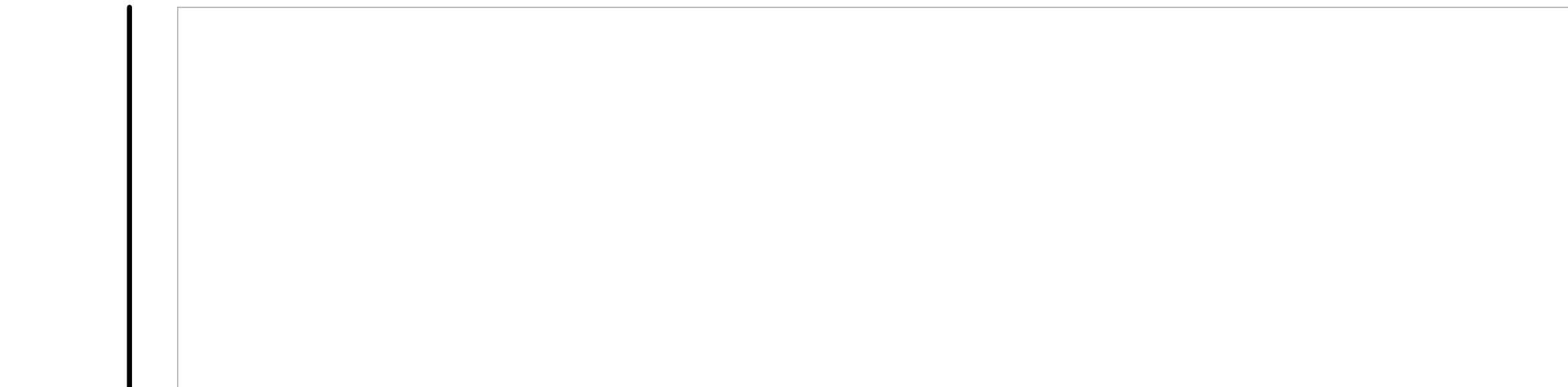
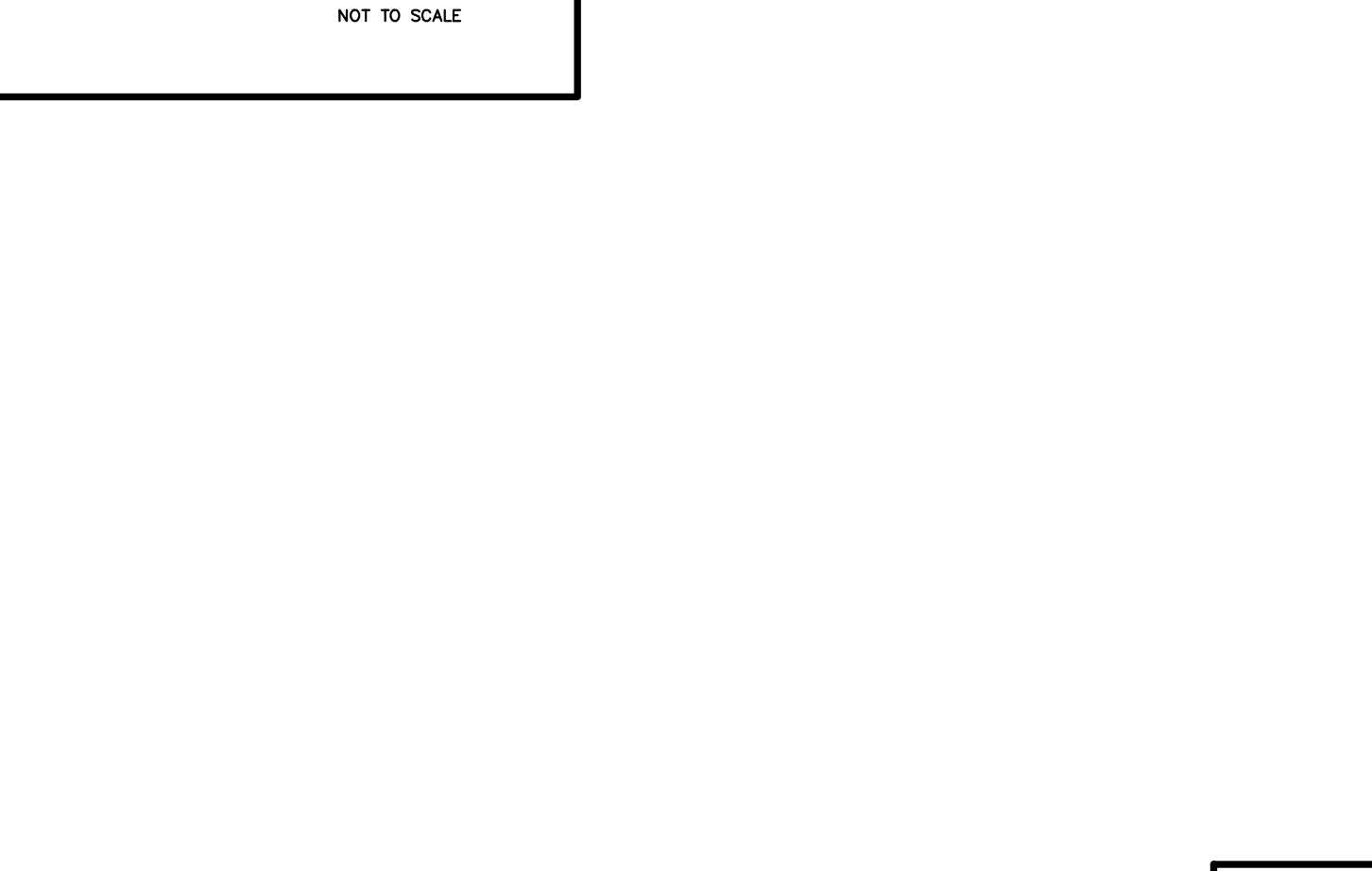
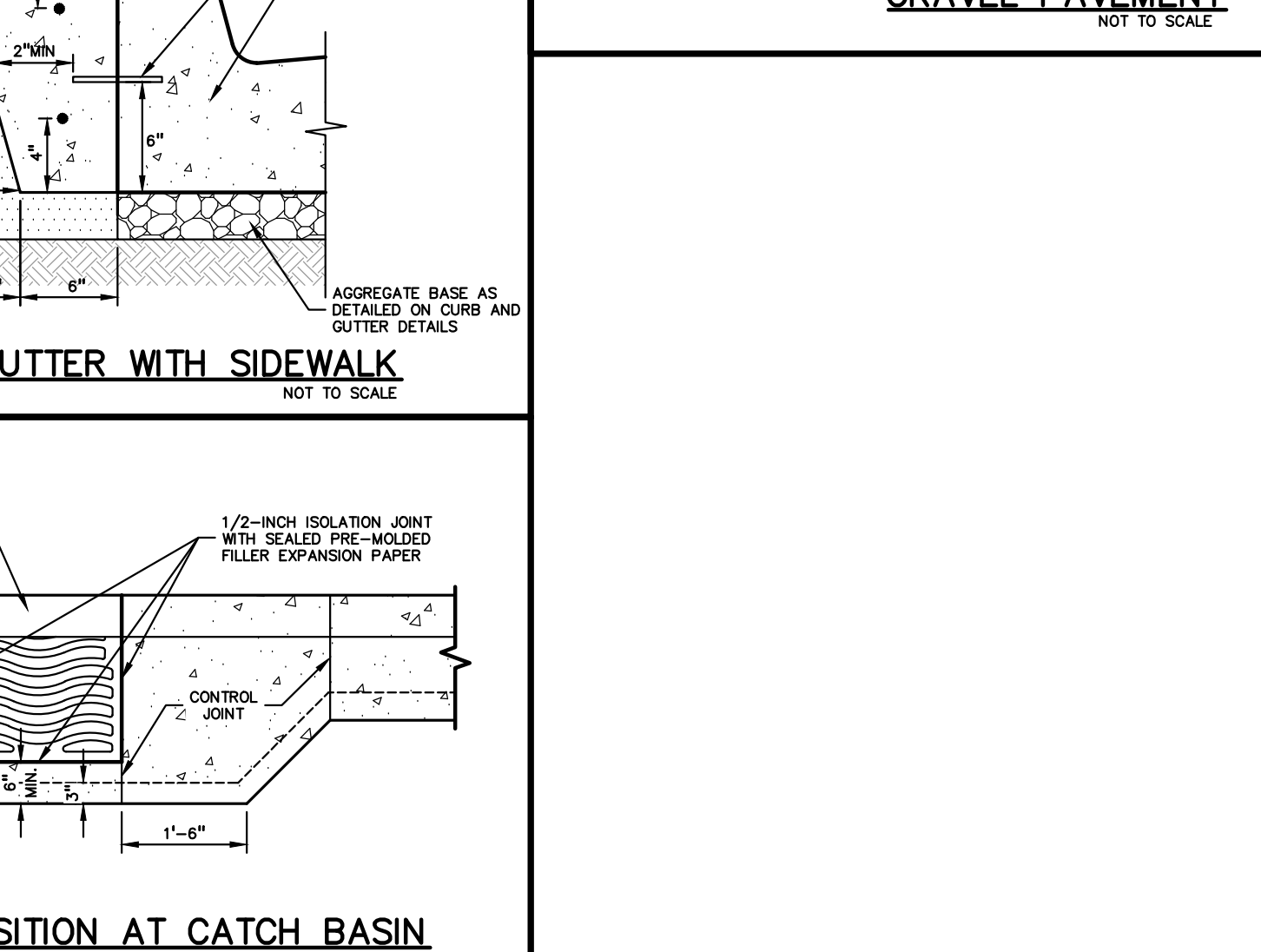
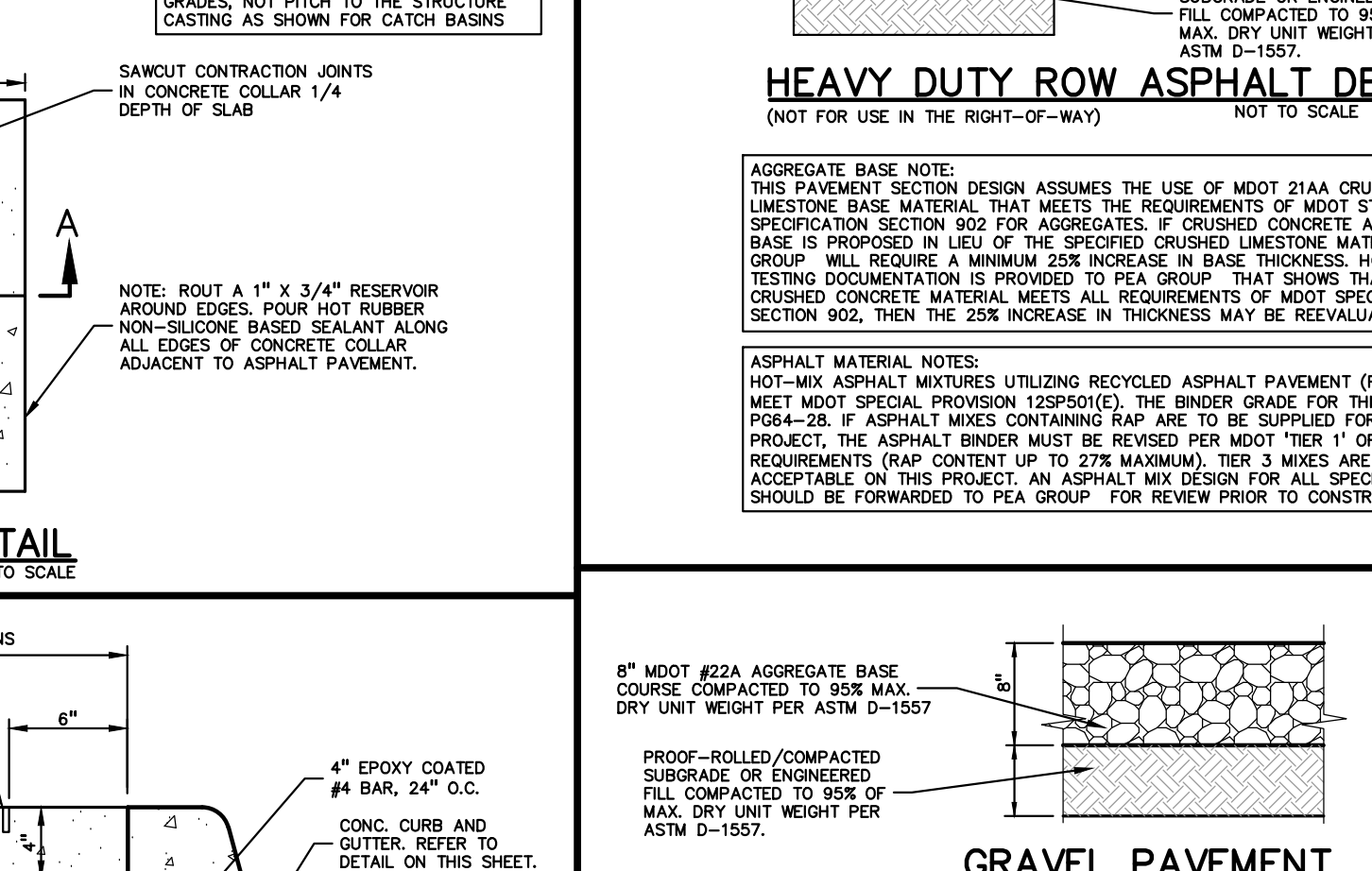
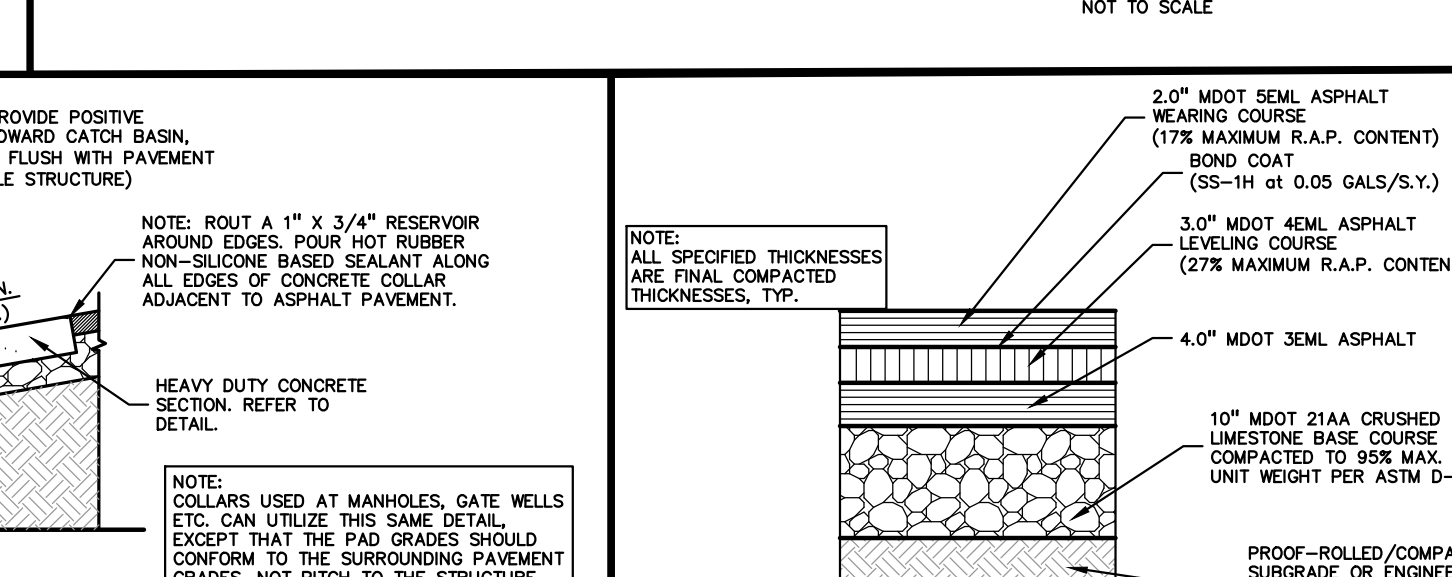
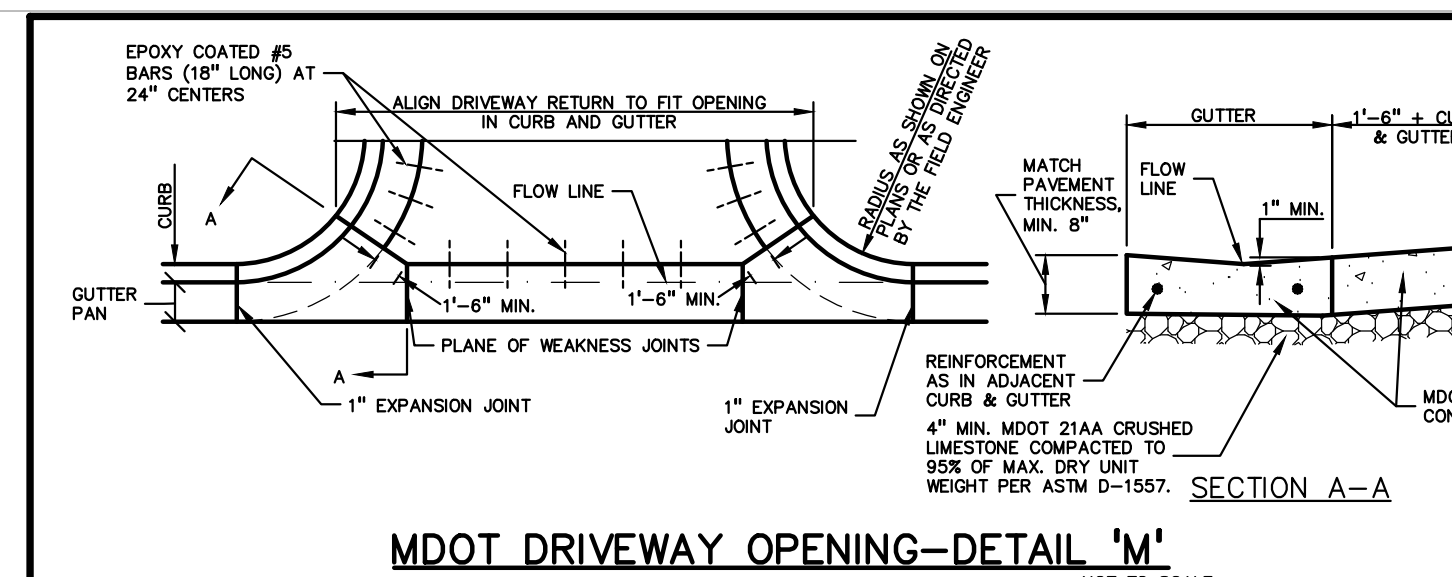
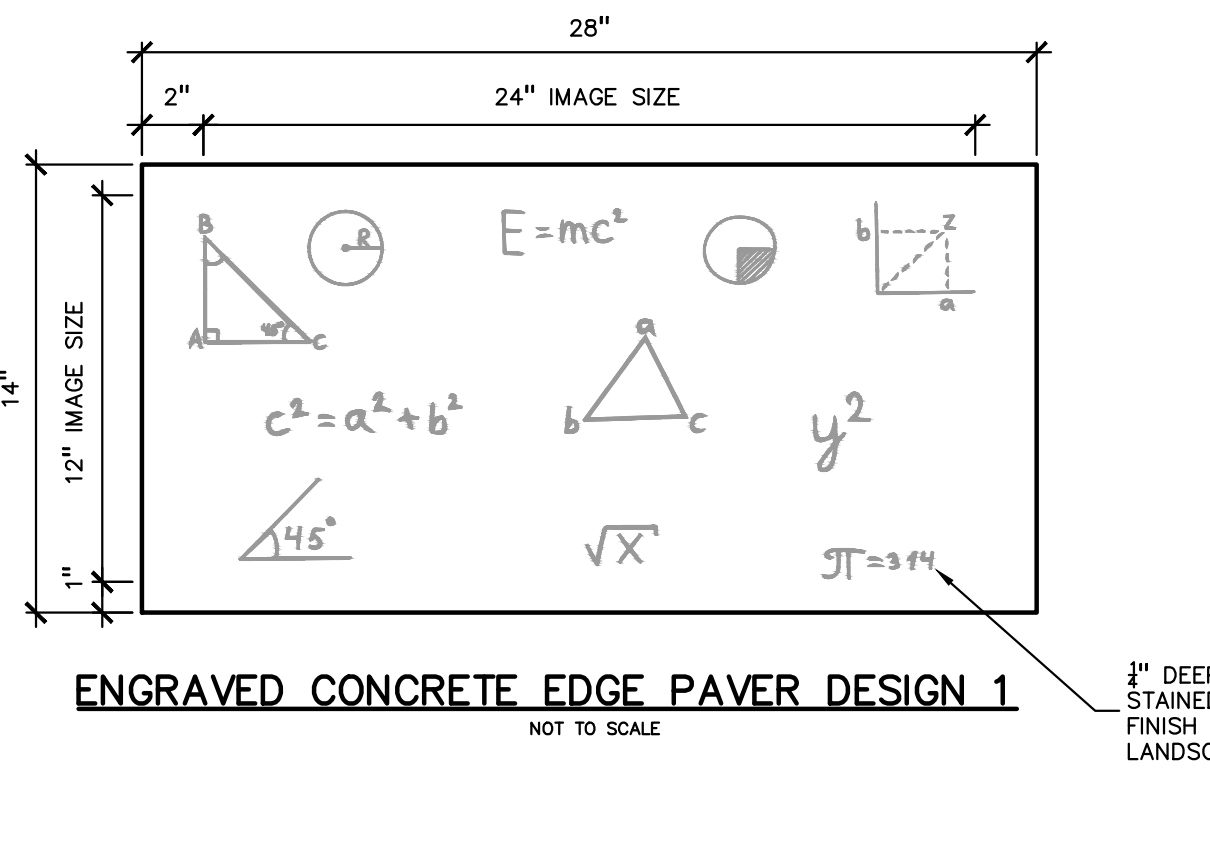
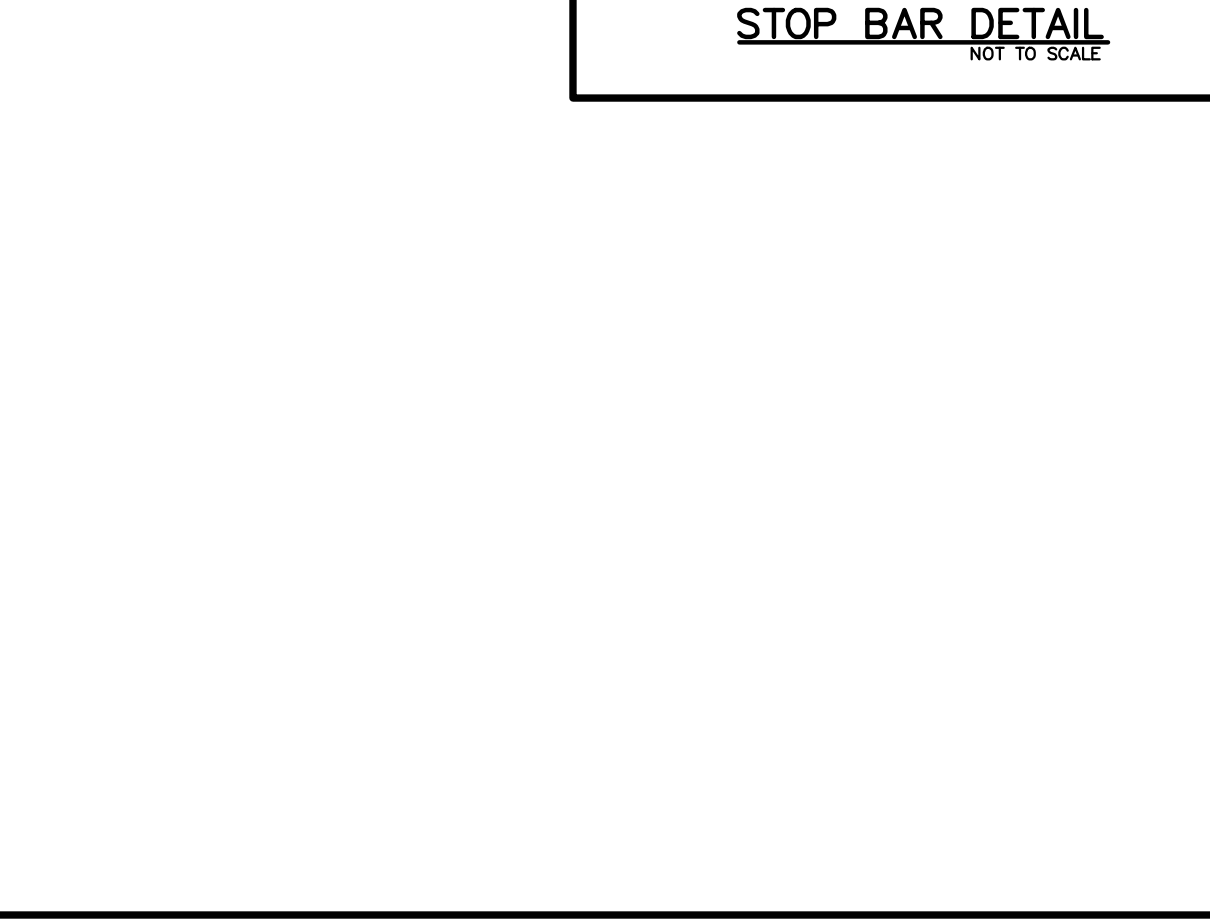
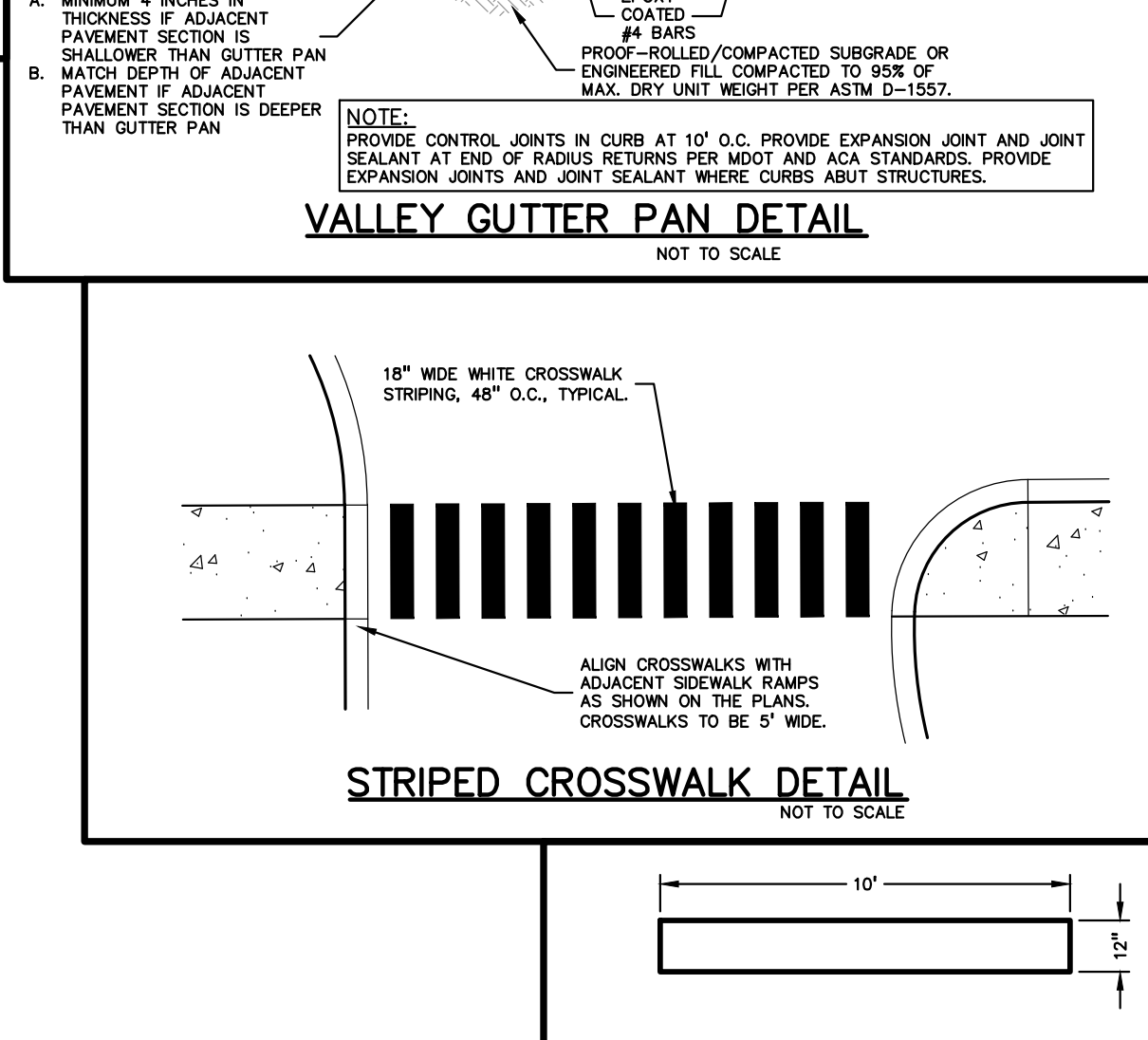
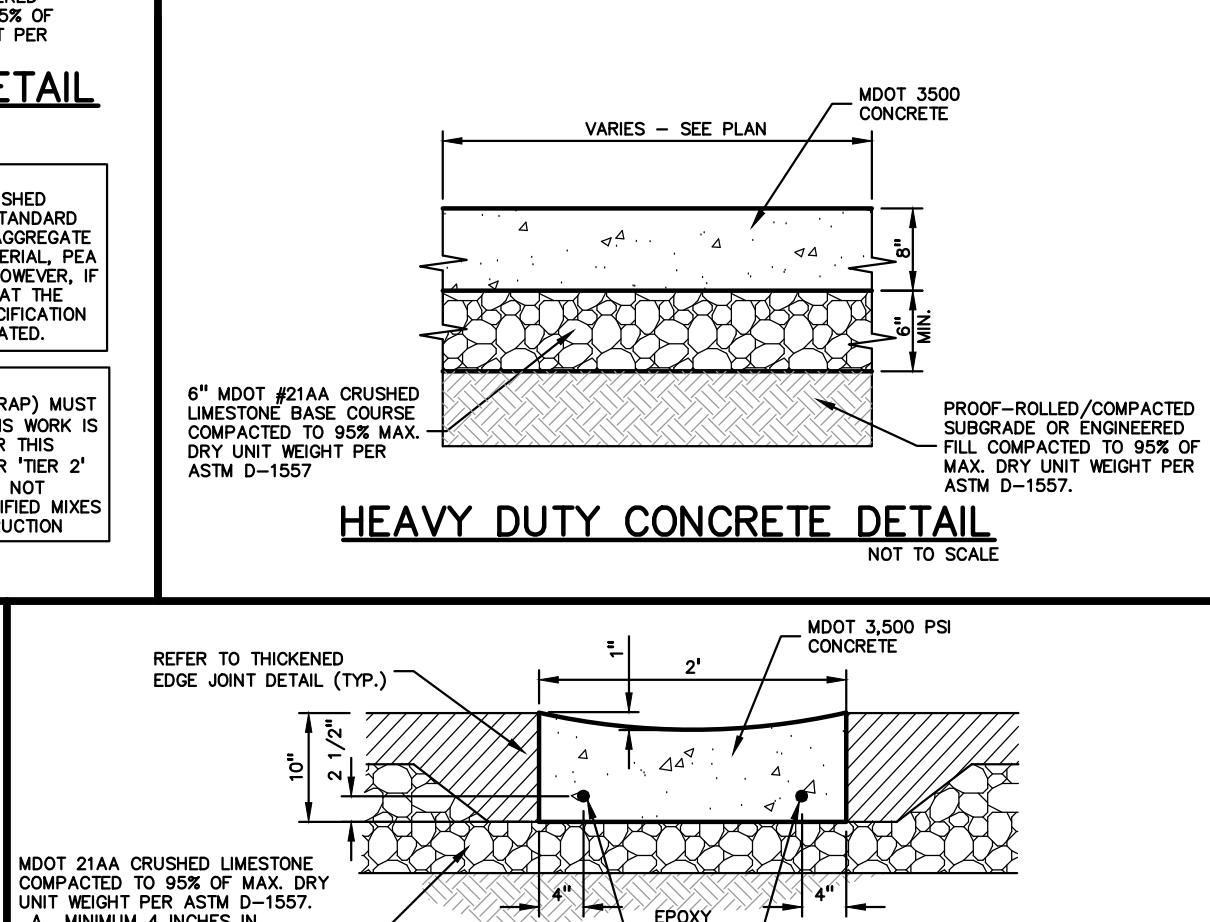
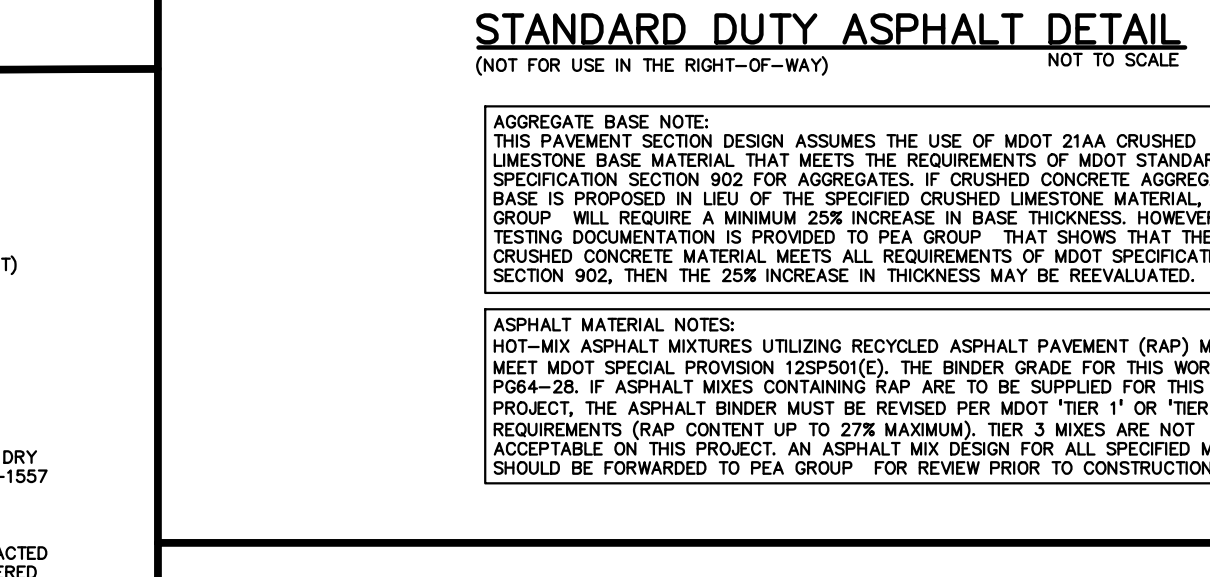
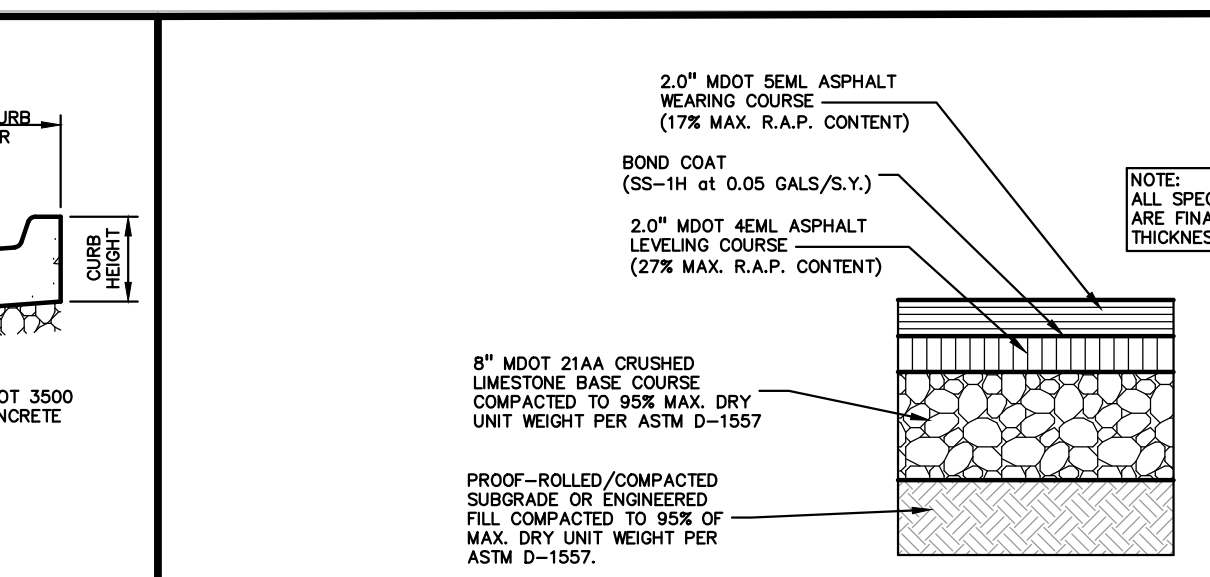
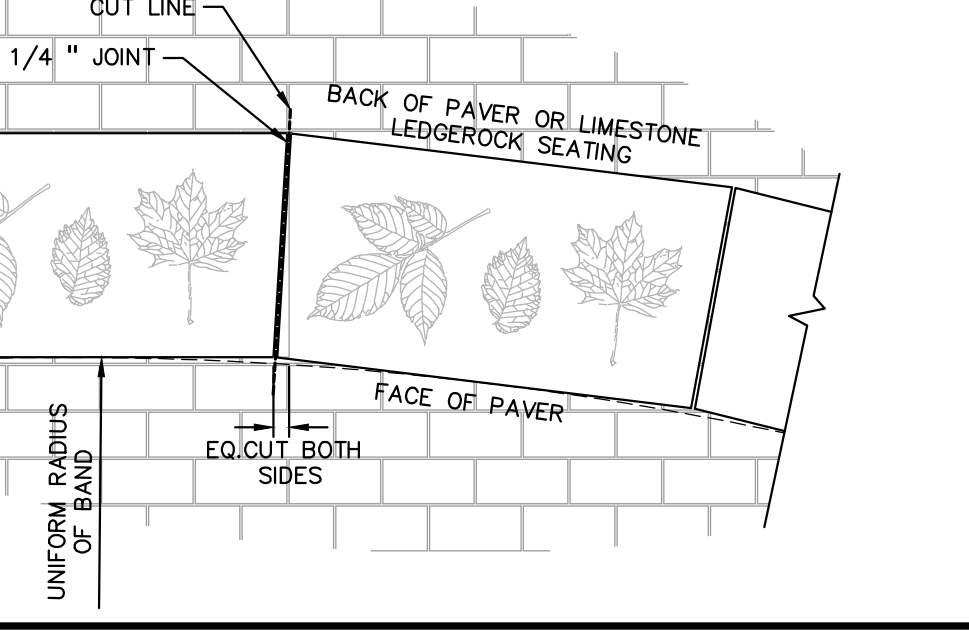
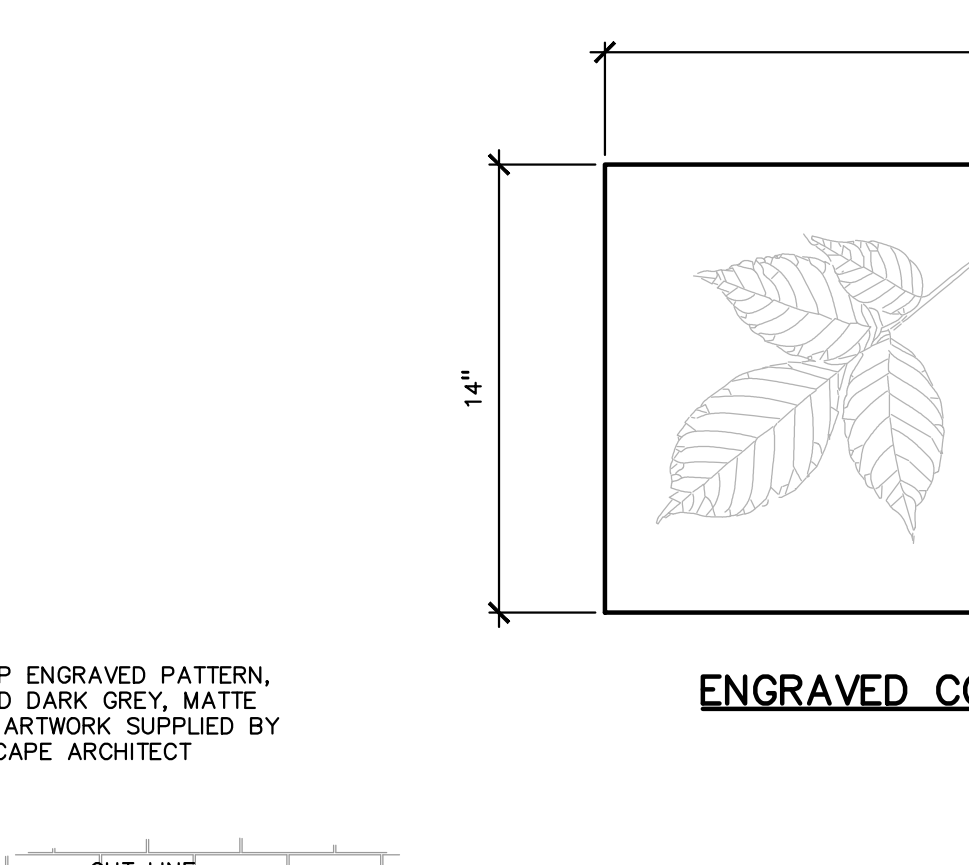
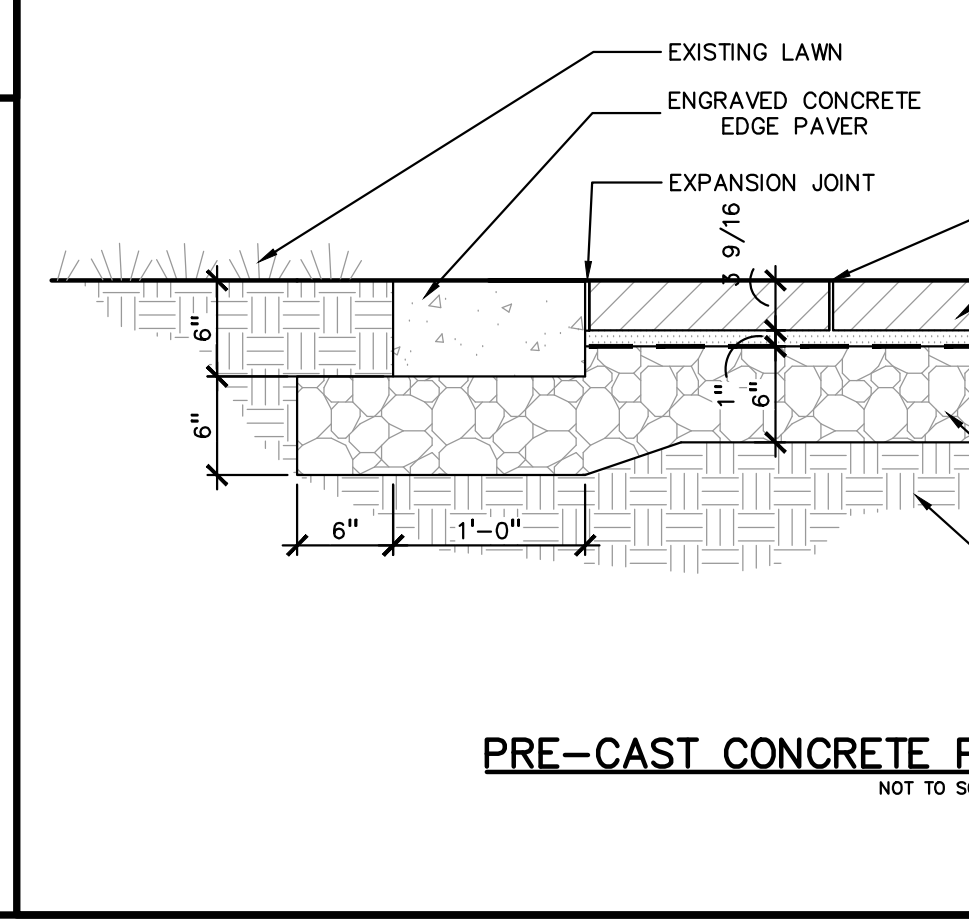
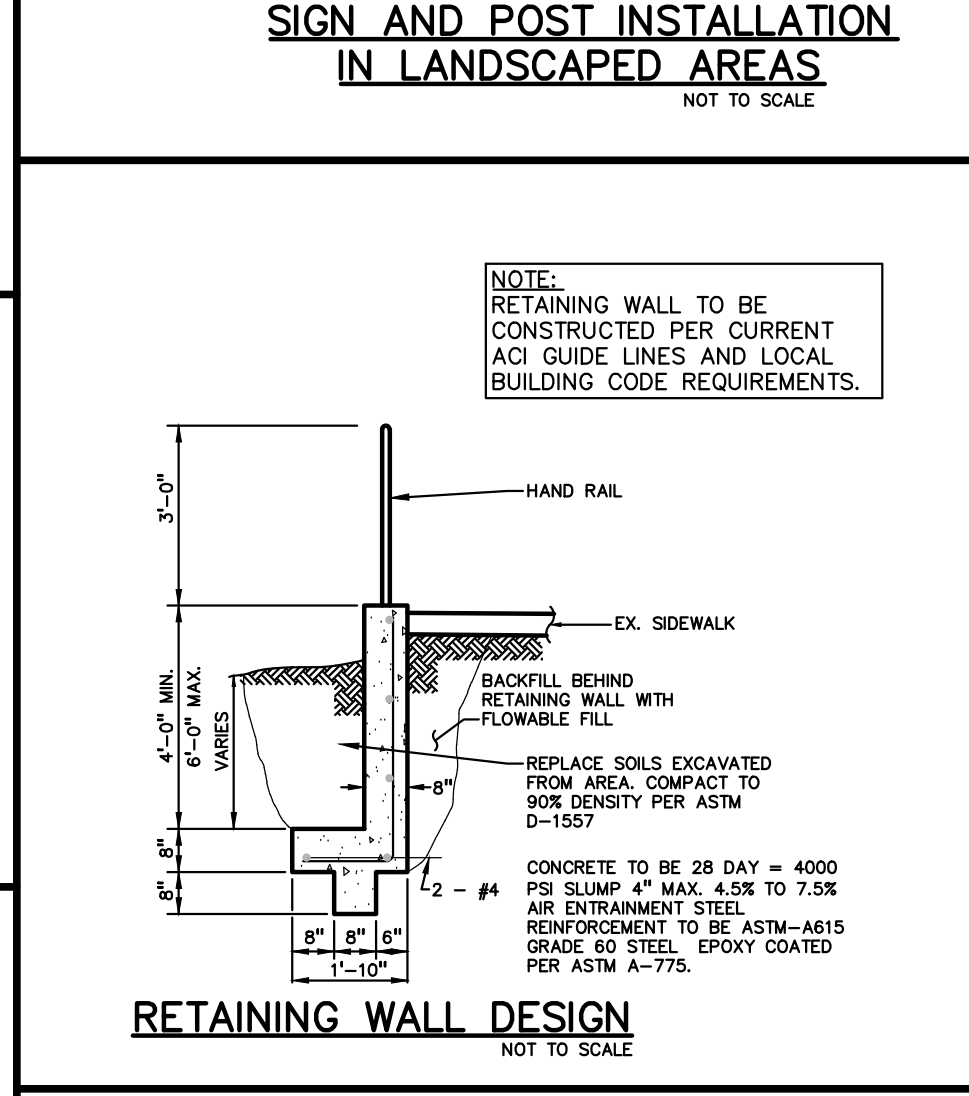
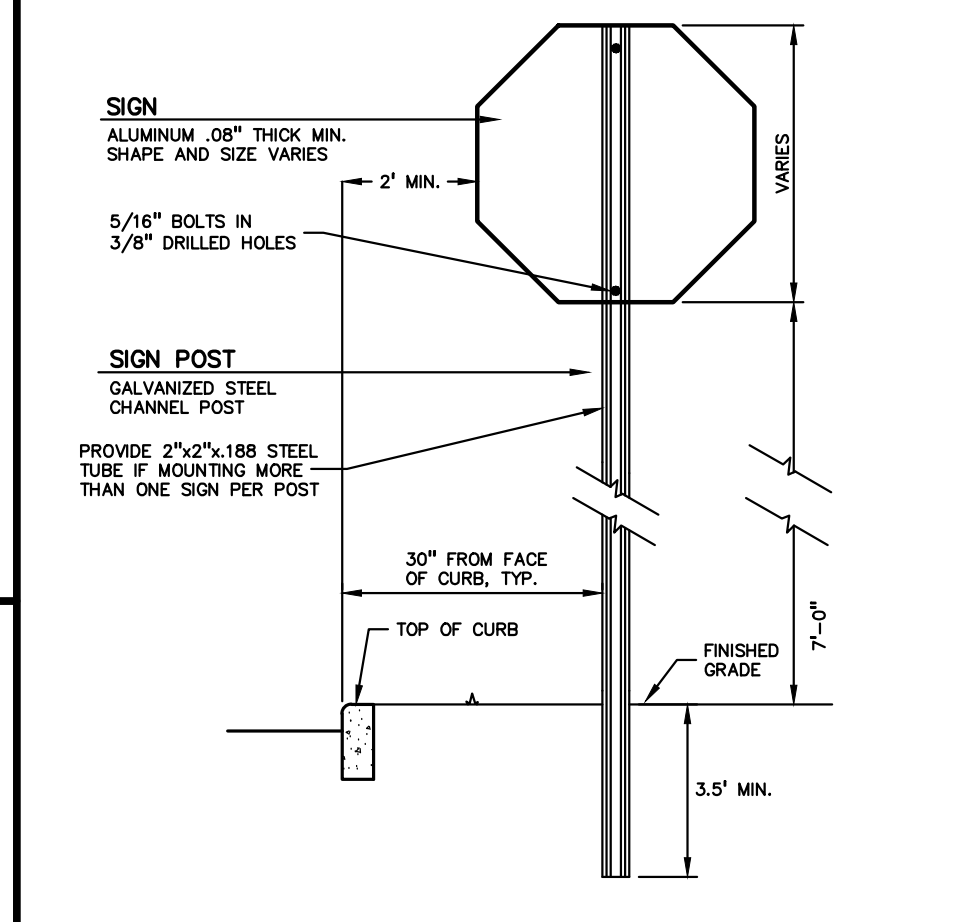
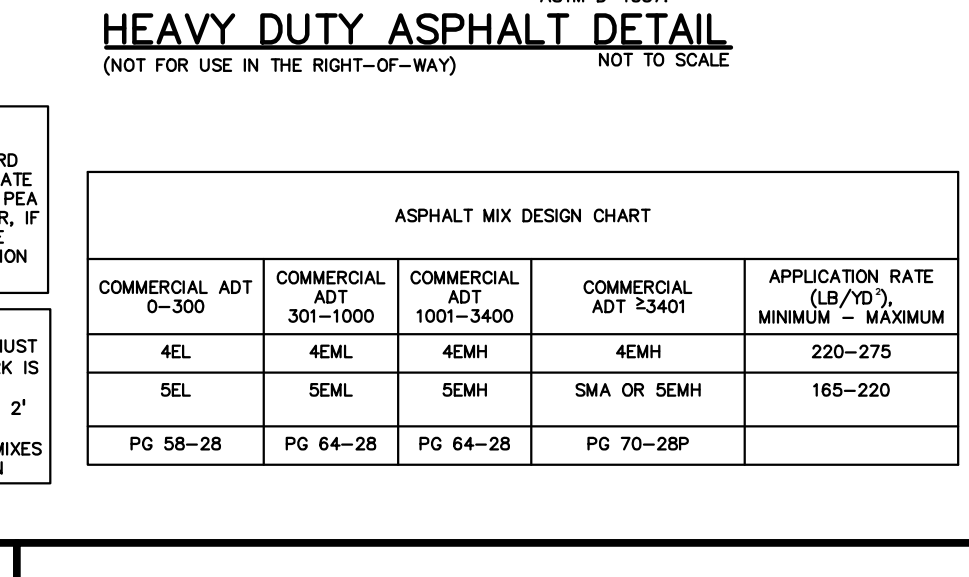
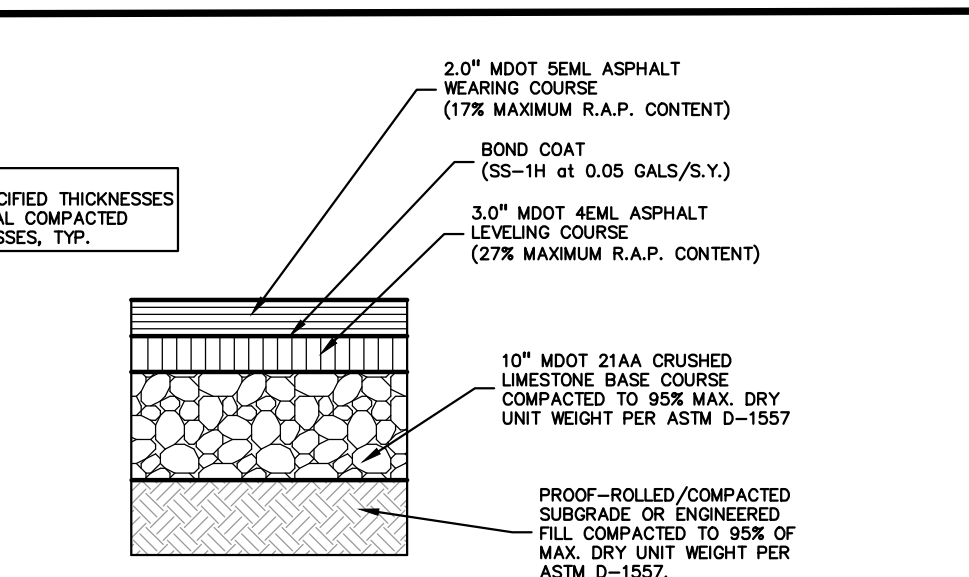
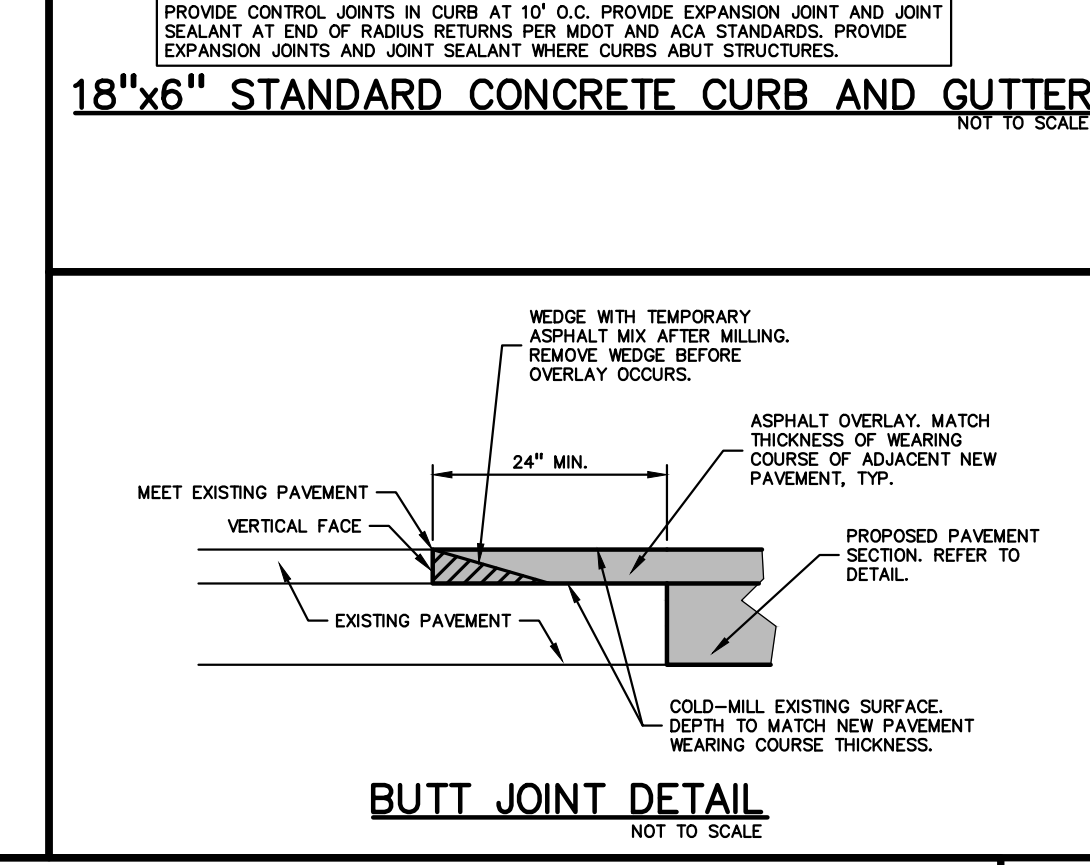
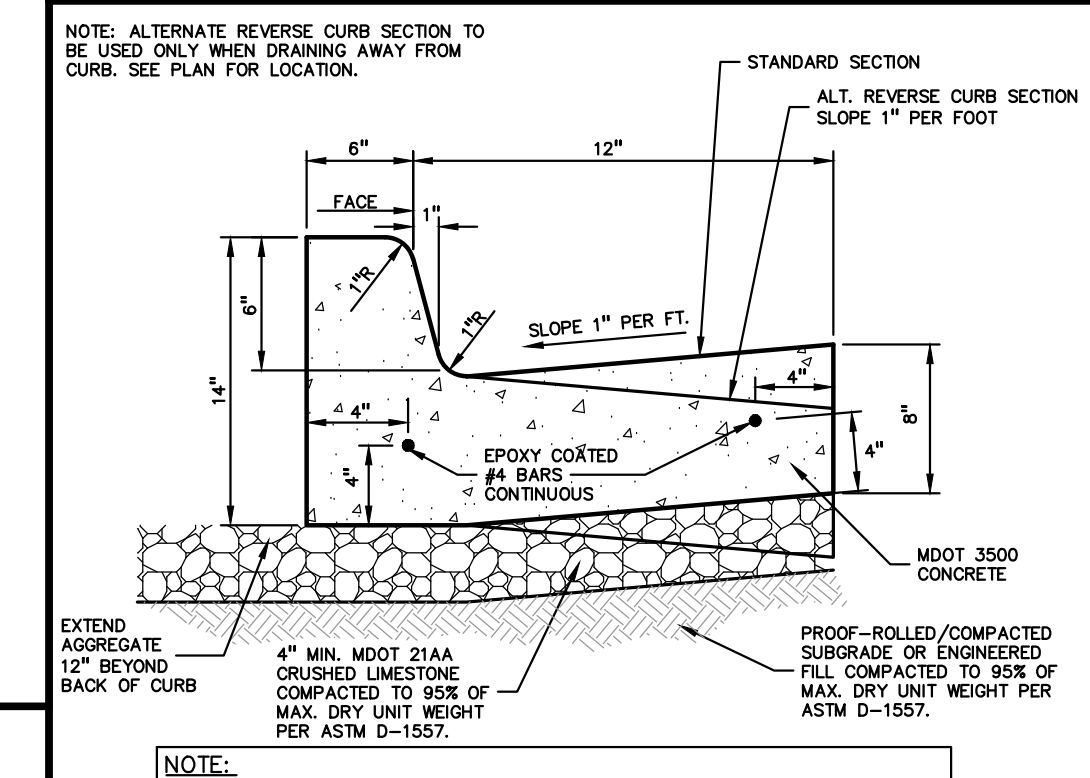
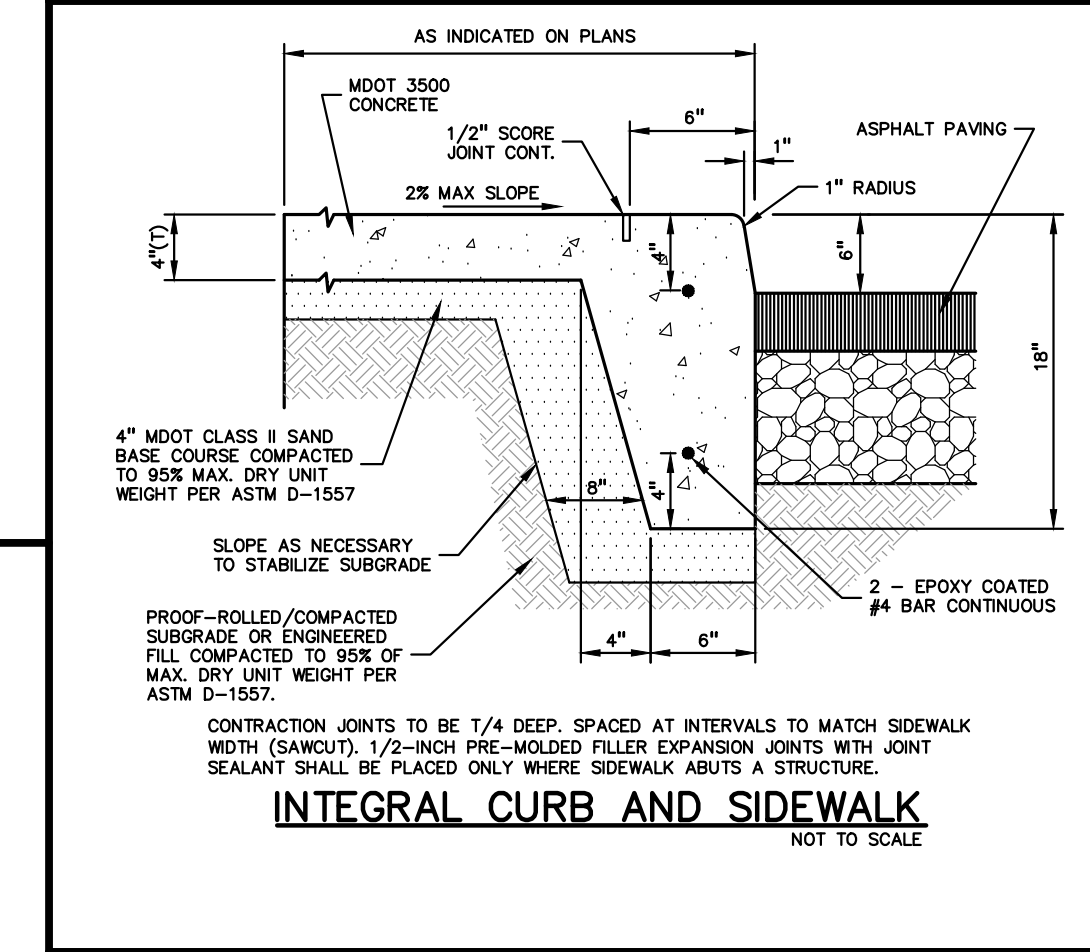
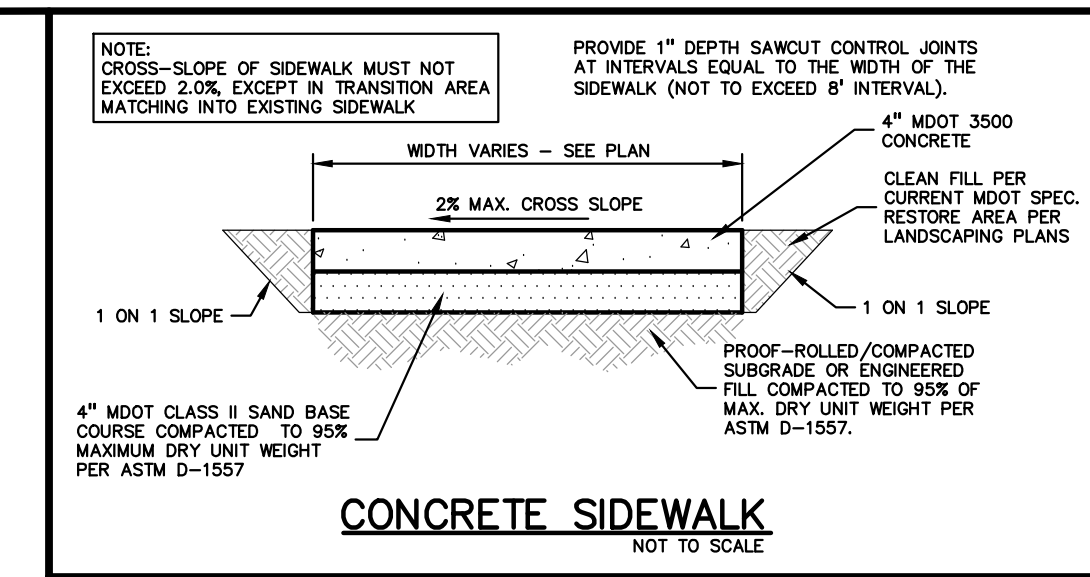
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CAUTION!  
THE LOCATION AND DEPTHS OF EXISTING UTILITIES SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE IS MADE REGARDING THE ACCURACY OF THE INFORMATION PROVIDED HEREON. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT LOCATION AND DEPTHS PRIOR TO THE START OF CONSTRUCTION.



DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS
DRAWN	JW
CHECKED	TD
APPROVED	TD





TMP ARCHITECTURE INC

191 WEST SQUARE LAKE ROAD  
BLOOMFIELD HILLS - MICHIGAN - 48302  
PH - 248.338.6545 FX - 248.338.0233  
EM - INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT



PROJECT TITLE  
**New Smith Middle School  
Bld Package No. 03C**

**Troy School District  
Troy, Michigan**

DRAWING TITLE  
**UTILITY DETAILS**

ISSUE DATES

DATE ISSUED FOR:

DRAWN JW

CHECKED TD

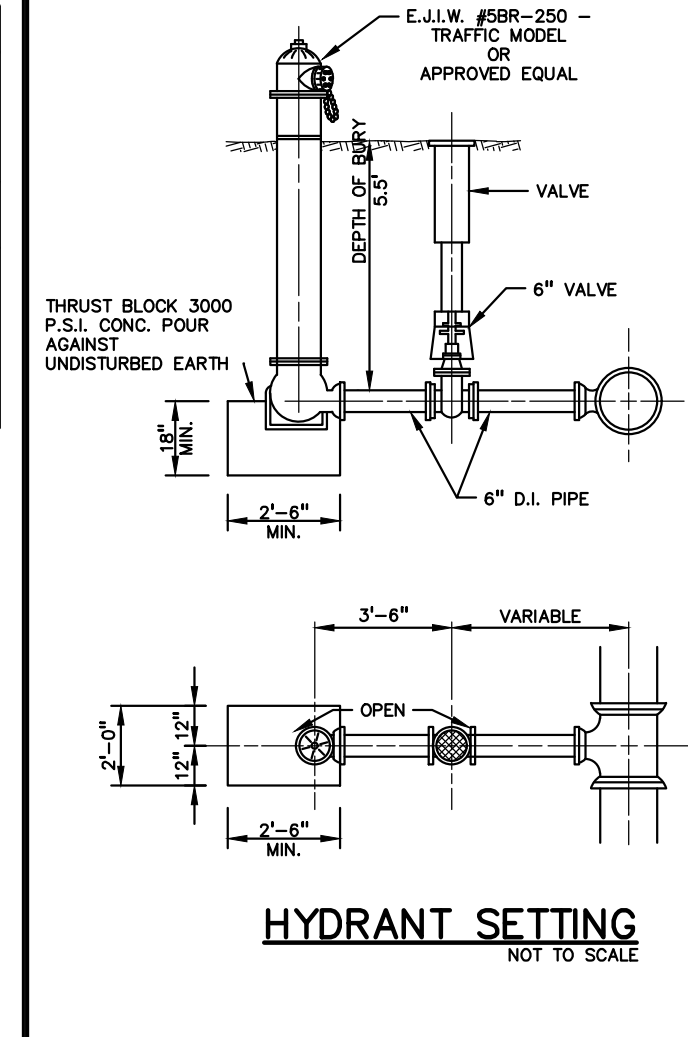
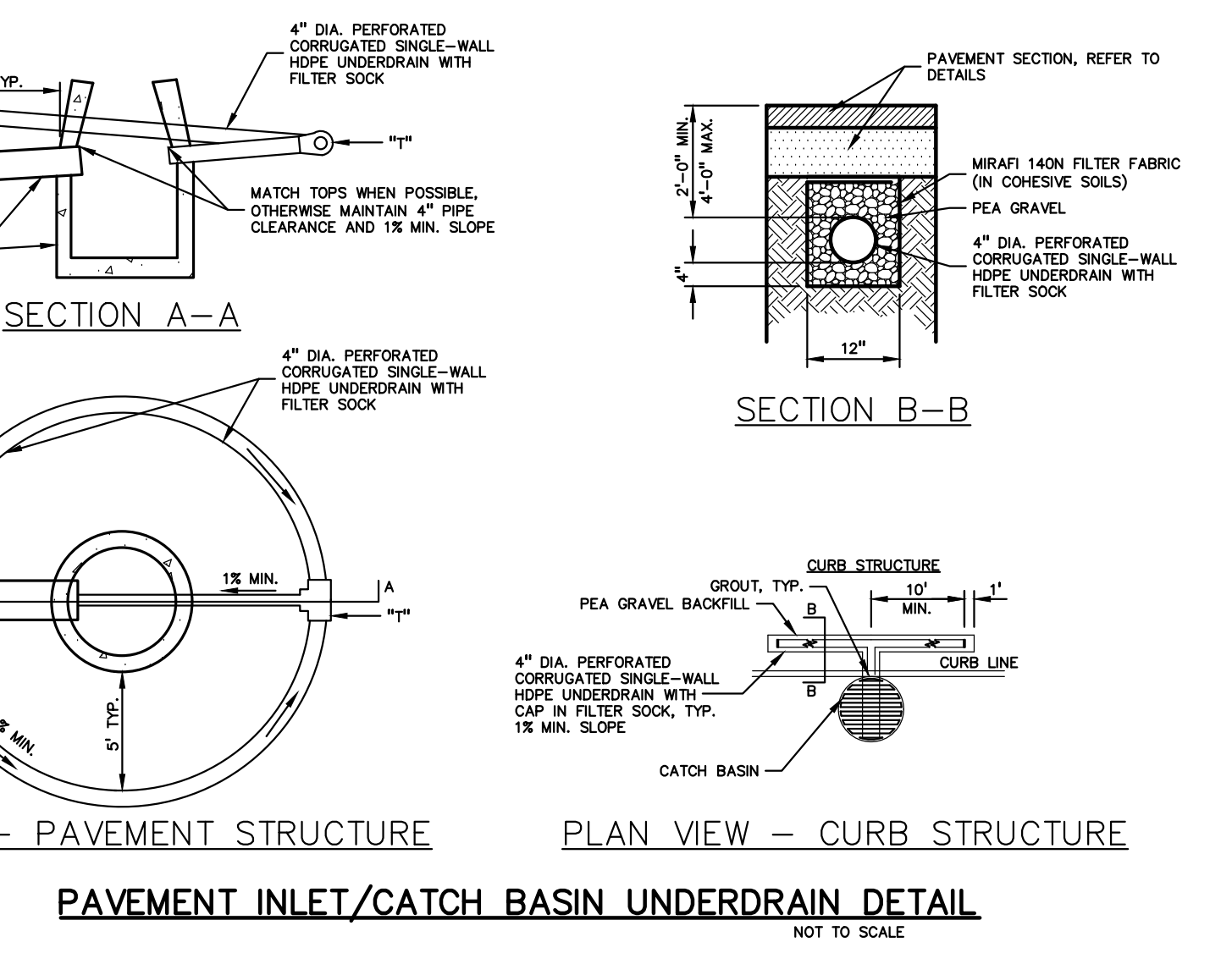
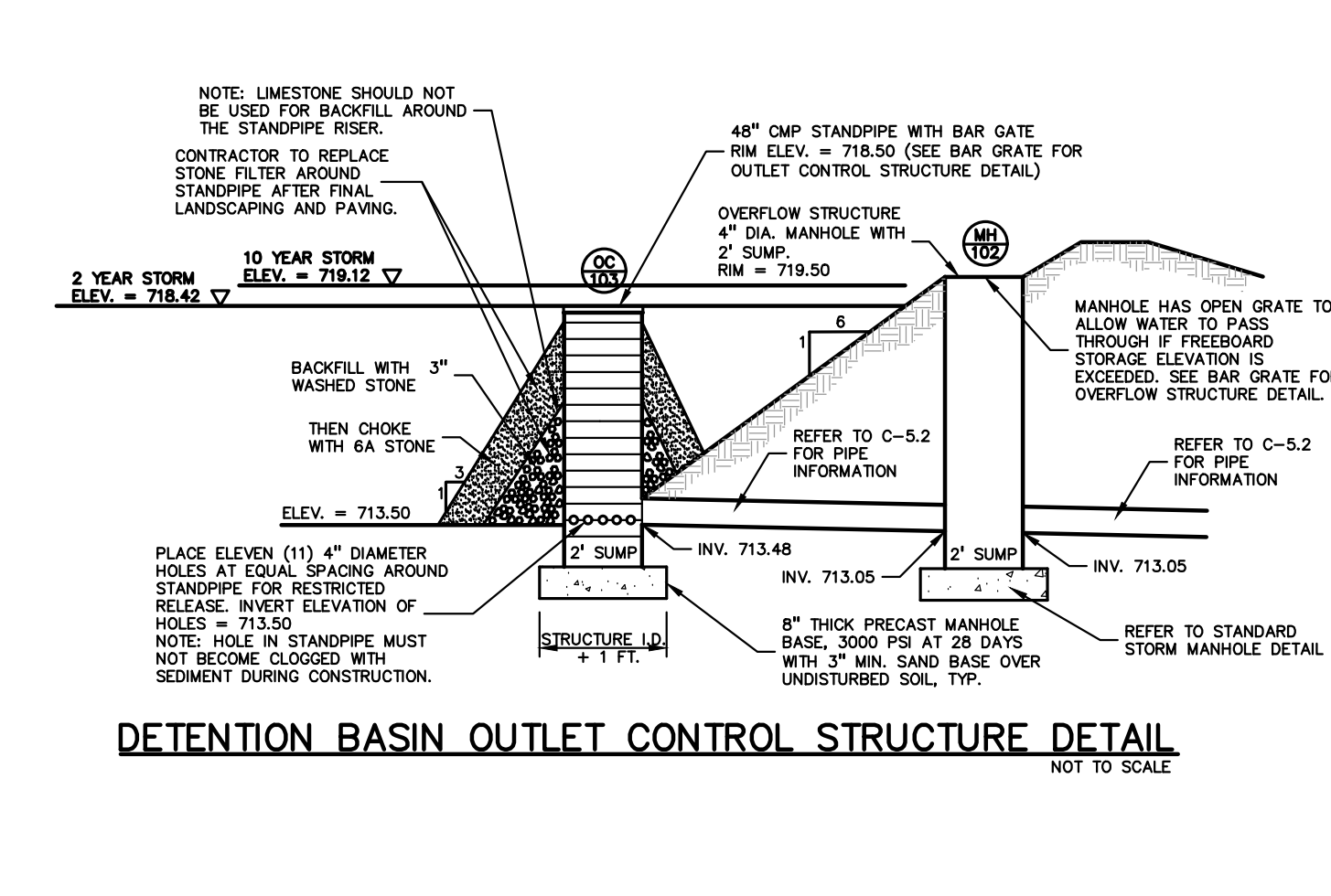
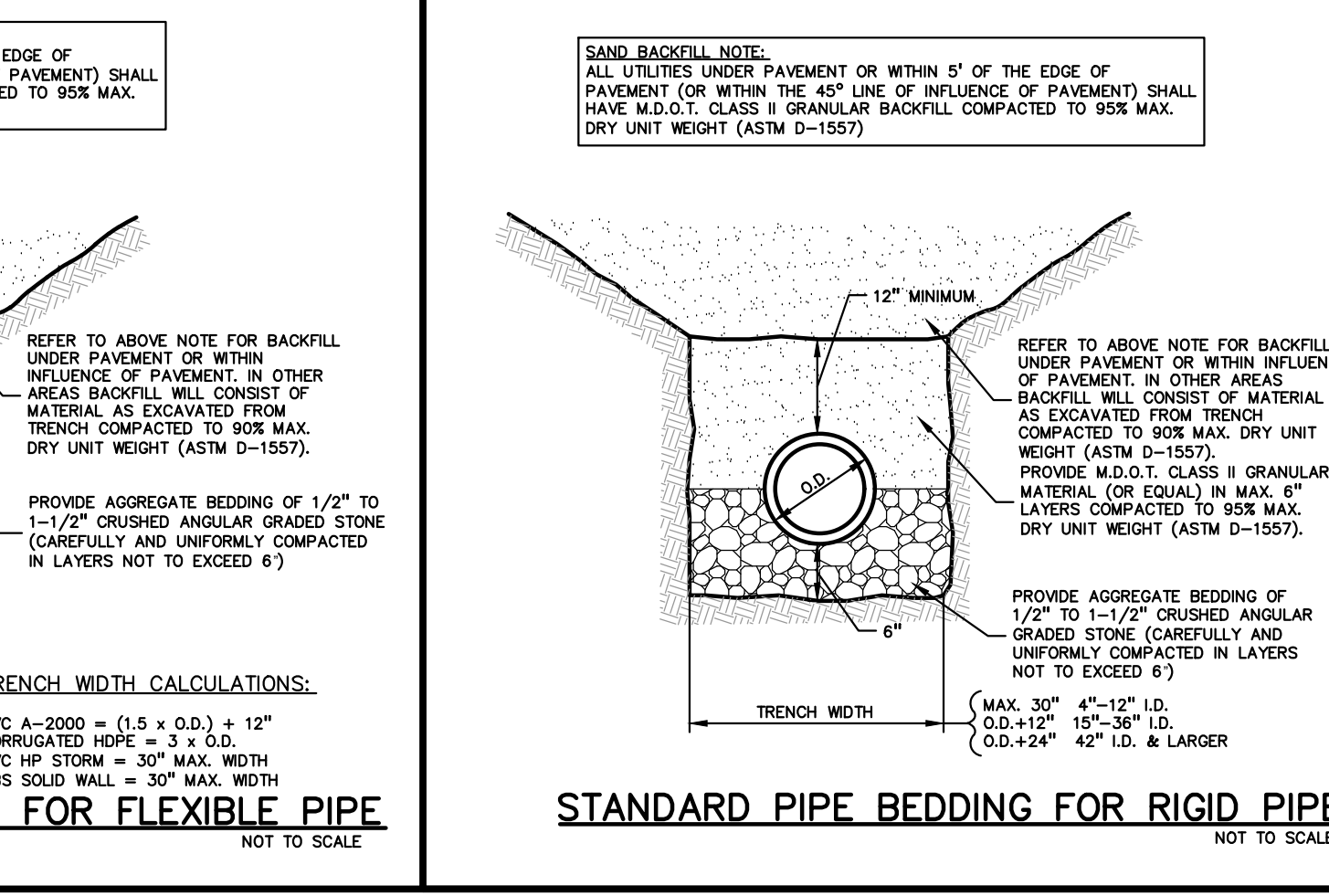
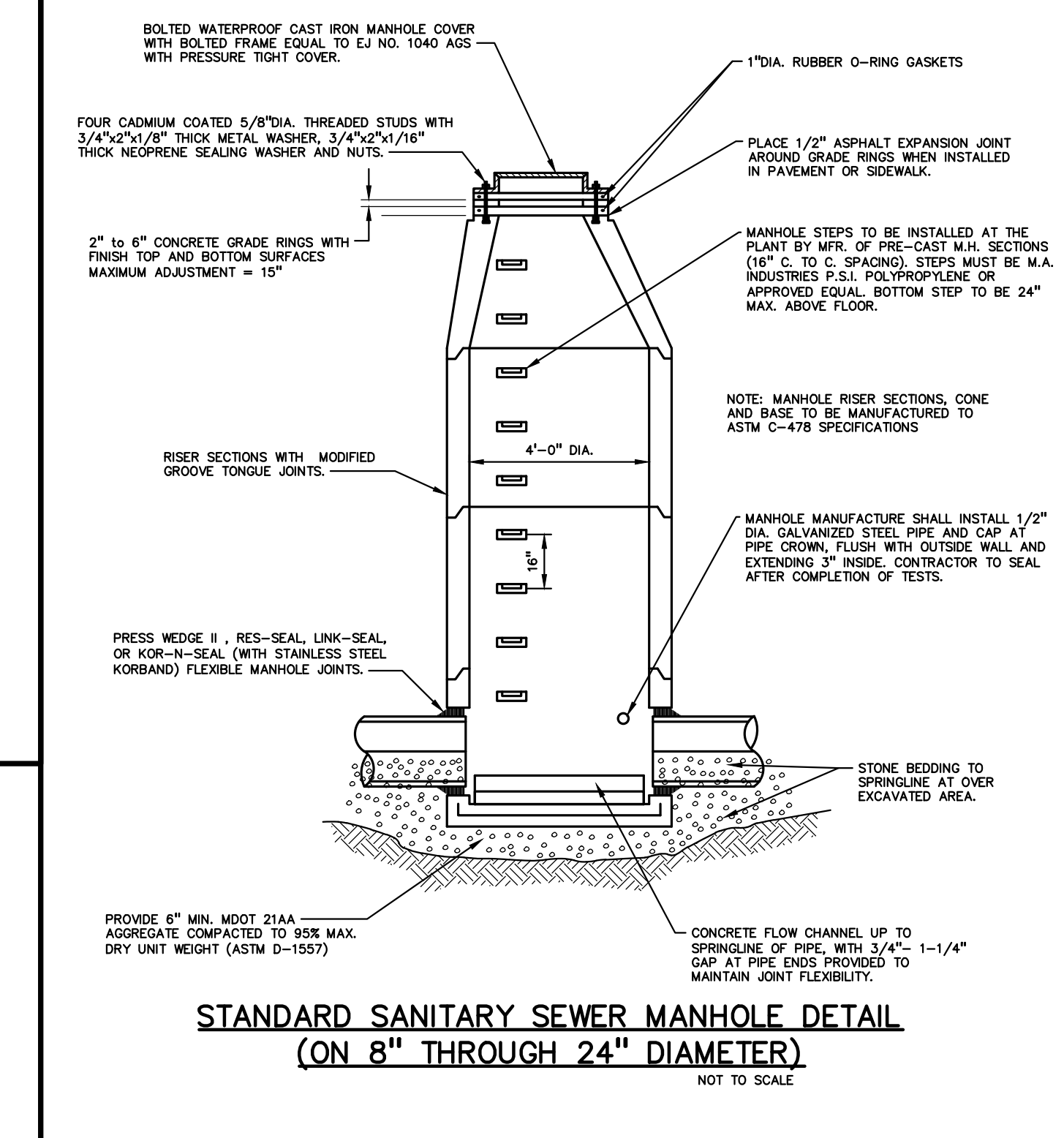
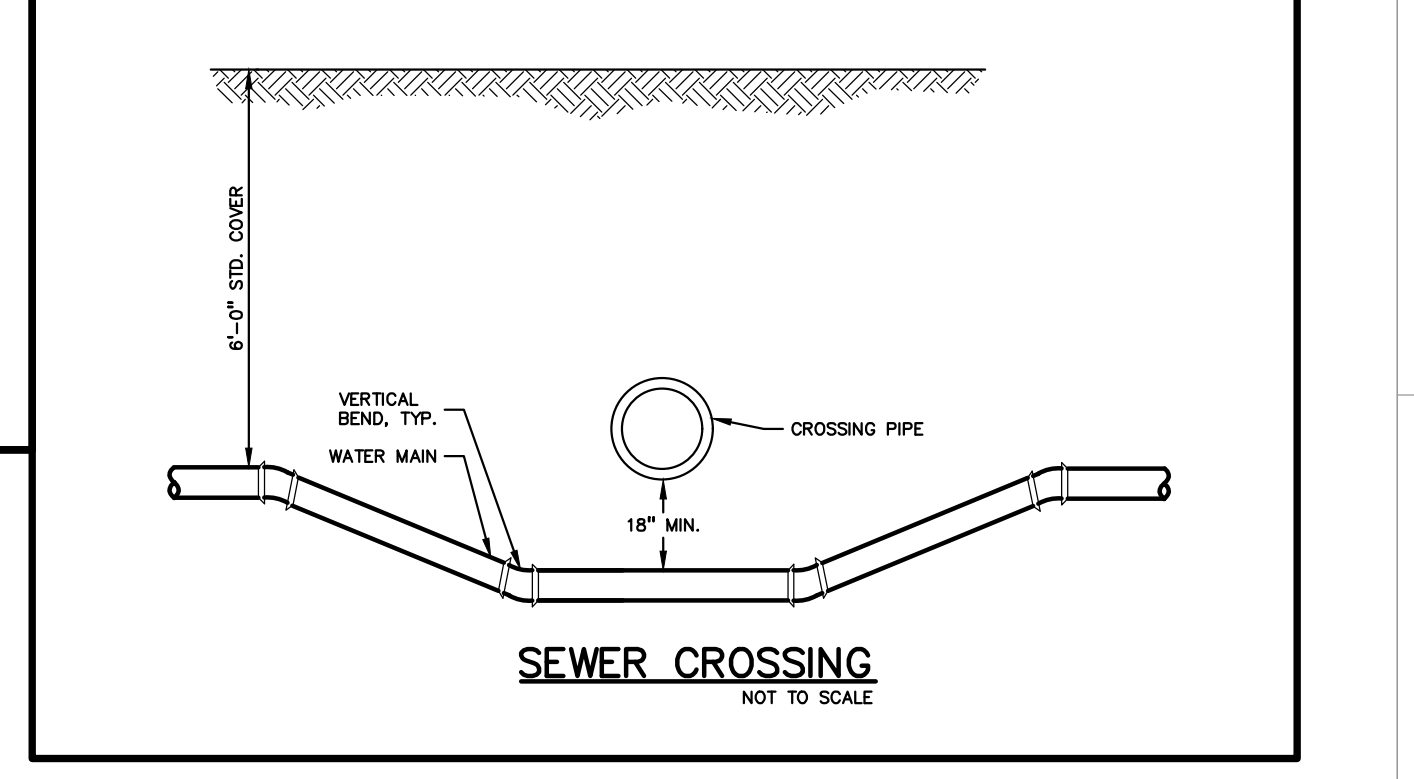
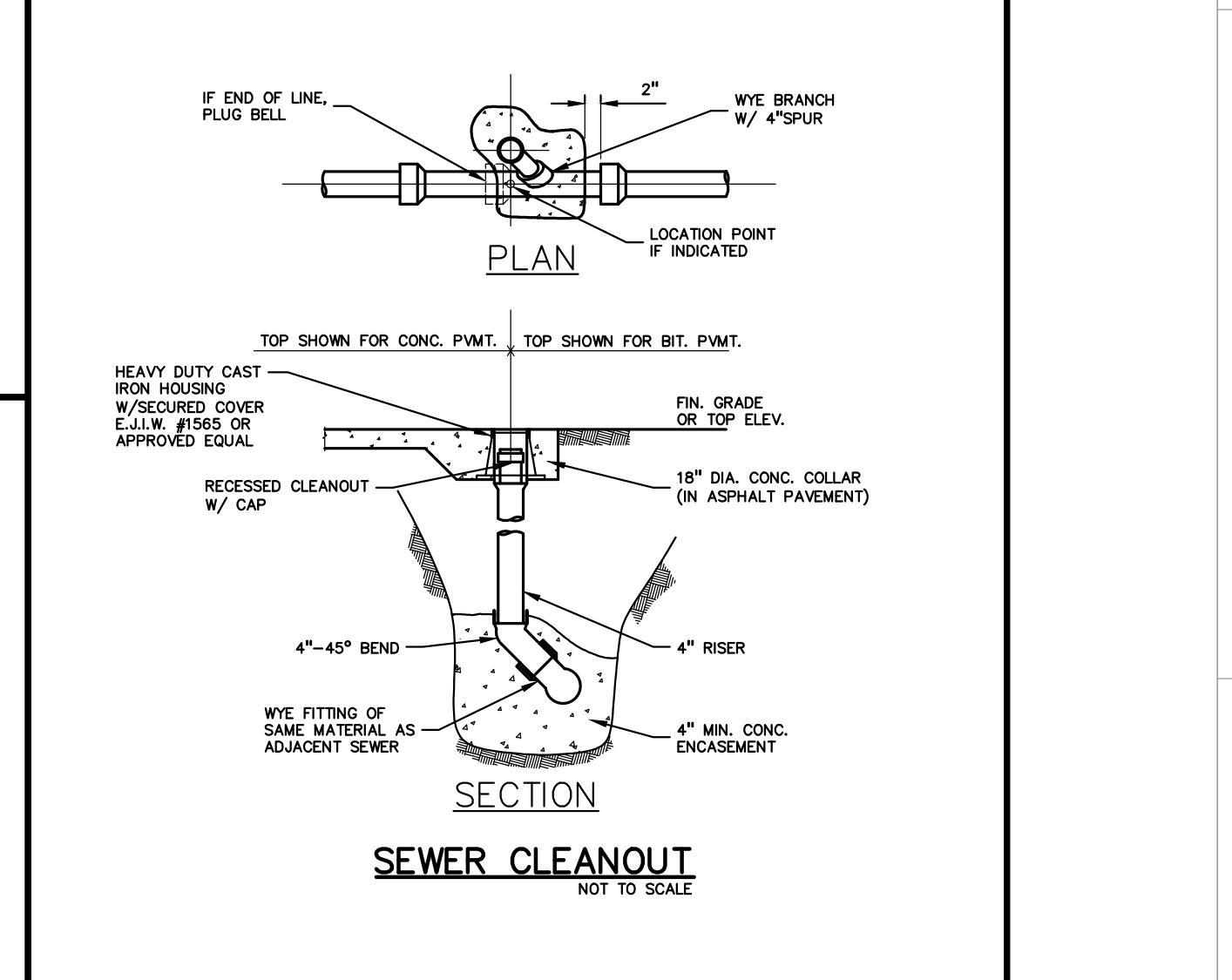
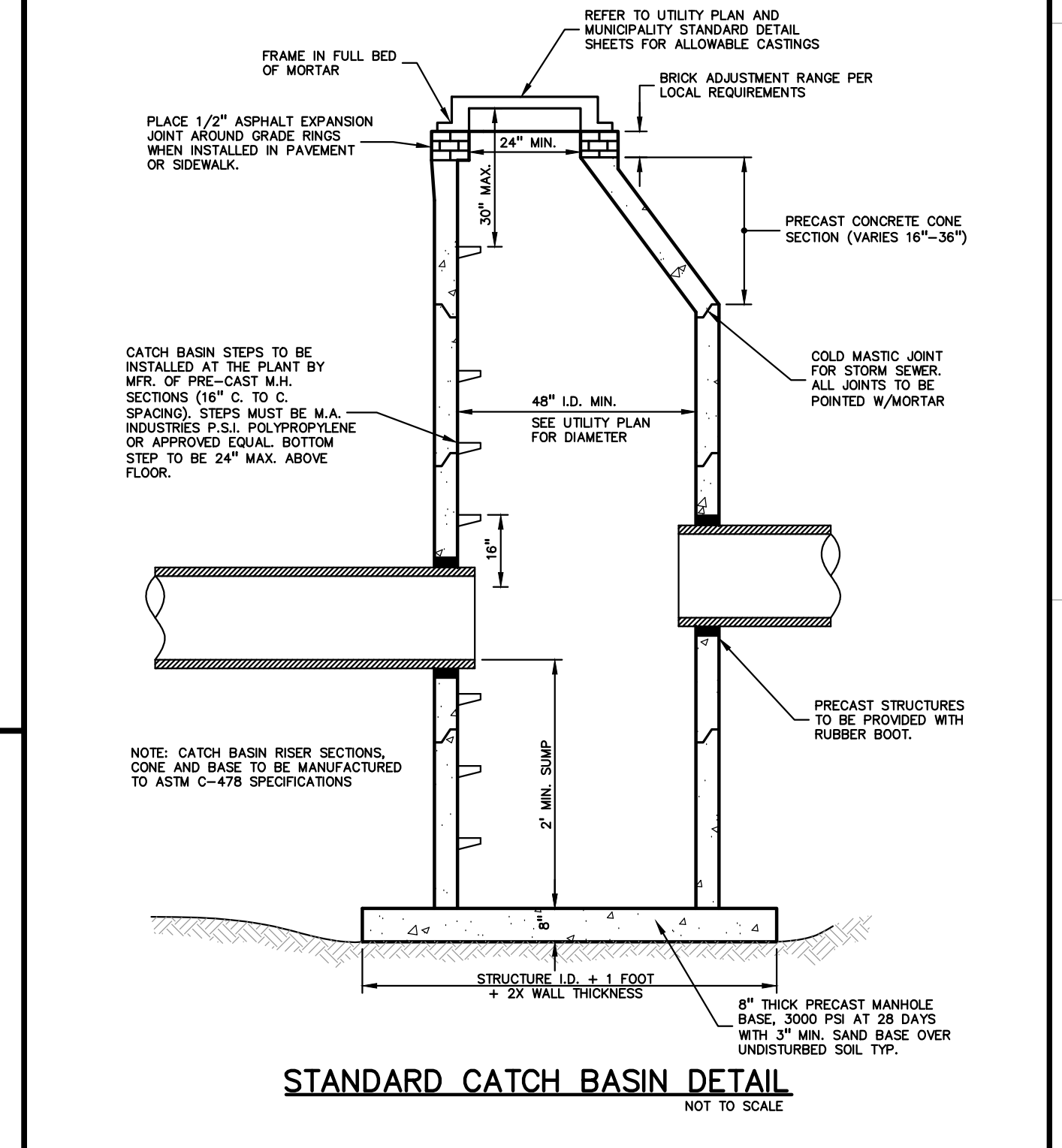
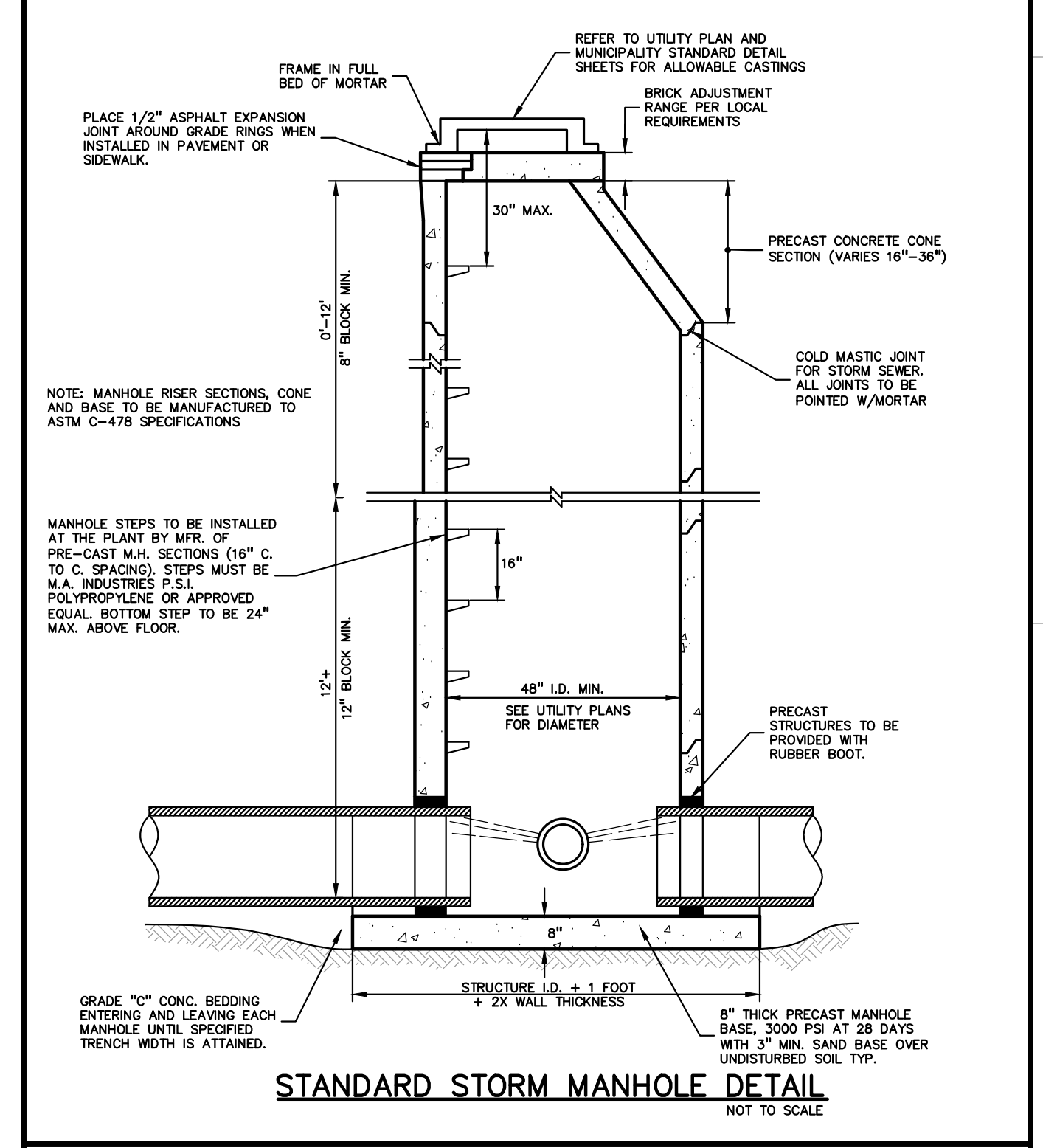
APPROVED TD

PROJECT NO.

**22102**

DRAWING NO.

**C-7.2**



CDS2015-4-C DESIGN NOTES

THE STANDARD CDS2015-4-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

CONFIGURATION DESCRIPTION

GRATED INLET ONLY (NO INLET PIPES)
GRATED INLET WITH INLET PIPE OR PIPES
CURB INLET ONLY (NO INLET PIPES)
CURB INLET WITH INLET PIPE OR PIPES
SEPARATE OIL BAFFLE (SINGLE INLET PIPE REQUIRED FOR THIS CONFIGURATION)
SEDIMENT WEIR FOR NUDEP/NUCAT CONFORMING UNITS

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID	MH2178M13
WATER QUALITY FLOW RATE (CFS OR L/S)	1200/40
PEAK FLOW RATE (CFS OR L/S)	4412/13
RETURN PERIOD OF PEAK FLOW (YRS)	10/10
SCREEN APERTURE (2400 OR 4700)	2400/4700

CONTECH ENGINEERED SOLUTIONS LLC

CDS2015-4-C INLINE CDS STANDARD DETAIL

GENERAL NOTES

- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- DIMENSIONS MARKED WITH LARS REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
- FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE.
- CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
- STRUCTURE SHALL MEET ASBHTO H2010 H2010 CASTINGS SHALL MEET H2010 (ASBHTO) 18 3000 LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT OR BELOW THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
- PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.

INSTALLATION NOTES

- ANY SUB-BASE BACKFILL DEPTH AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE.
- LIFTING CLUTCHES PROVIDED.
- CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
- CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
- CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

CONTECH ENGINEERED SOLUTIONS LLC

CDS4030-8-C DESIGN NOTES

THE STANDARD CDS4030-8-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

CONFIGURATION DESCRIPTION

GRATED INLET ONLY (NO INLET PIPES)
GRATED INLET WITH INLET PIPE OR PIPES
CURB INLET ONLY (NO INLET PIPES)
CURB INLET WITH INLET PIPE OR PIPES
SEPARATE OIL BAFFLE (SINGLE INLET PIPE REQUIRED FOR THIS CONFIGURATION)
SEDIMENT WEIR FOR NUDEP/NUCAT CONFORMING UNITS

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID	MH34
WATER QUALITY FLOW RATE (CFS OR L/S)	630
PEAK FLOW RATE (CFS OR L/S)	1402
RETURN PERIOD OF PEAK FLOW (YRS)	10
SCREEN APERTURE (2400 OR 4700)	2400

CONTECH ENGINEERED SOLUTIONS LLC

CDS4030-8-C INLINE CDS STANDARD DETAIL

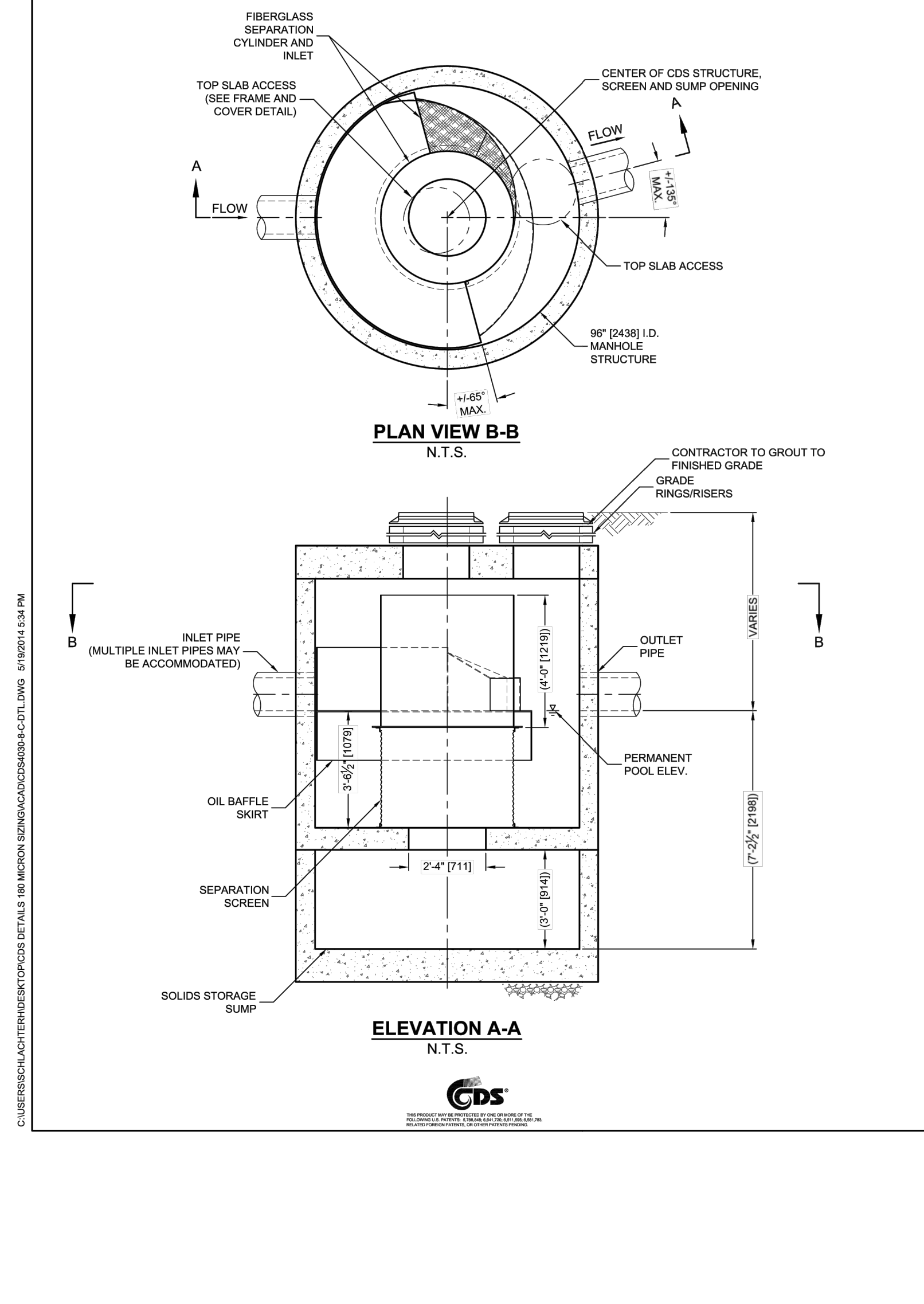
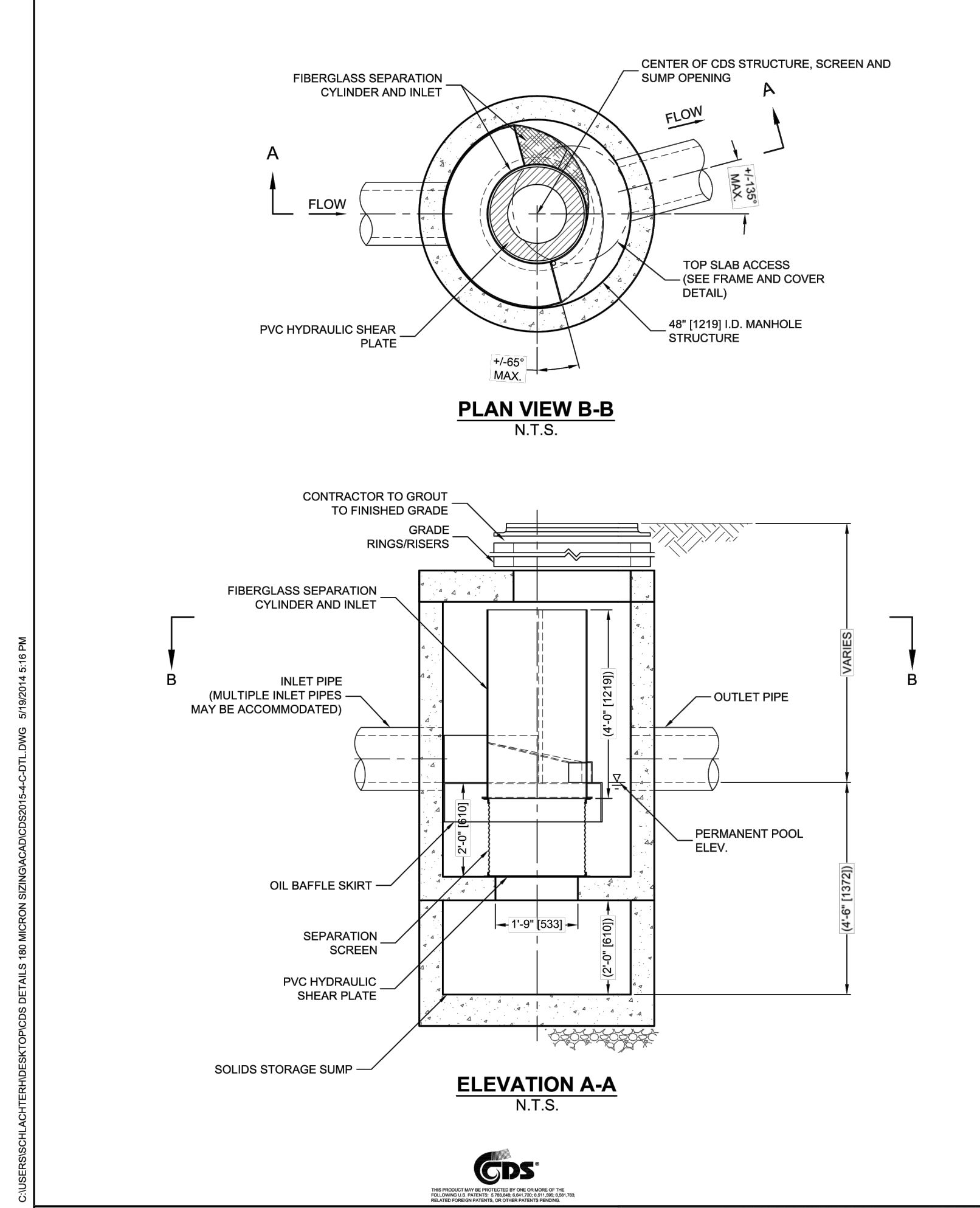
GENERAL NOTES

- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- DIMENSIONS MARKED WITH LARS REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
- FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE.
- CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
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INSTALLATION NOTES

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- CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
- CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
- CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

CONTECH ENGINEERED SOLUTIONS LLC



Drawings File: S:\PROJECTS\2023\22-0001\_TROY\_SCHOOLSD\_2022\_2020\DWG\UTILITY\UT-03\_C-7.2.DWG  
Date: 10/20/24 - 2:28pm



REGISTRATION SEAL

CONSULTANT

PEA  
GROUP

PROJECT TITLE  
**New Smith Middle  
School  
Bid Package No. 03C**

Troy School District  
Troy, Michigan

DRAWING TITLE  
**CULVERT  
DETAILS**

ISSUE DATES

DATE ISSUED FOR:

DATE ISSUED FOR:

DRAWN J/W

CHECKED TD

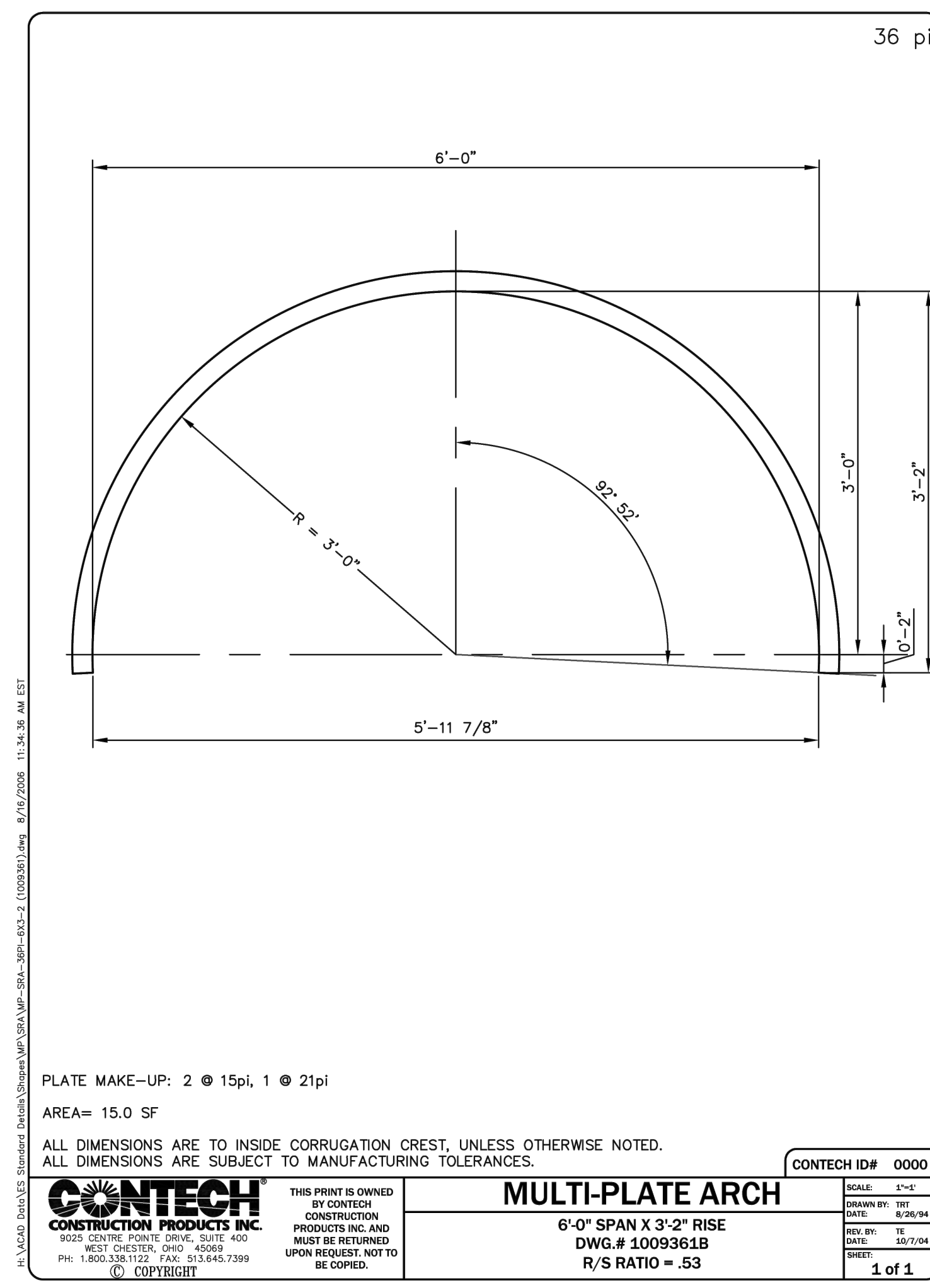
APPROVED TD

PROJECT NO.

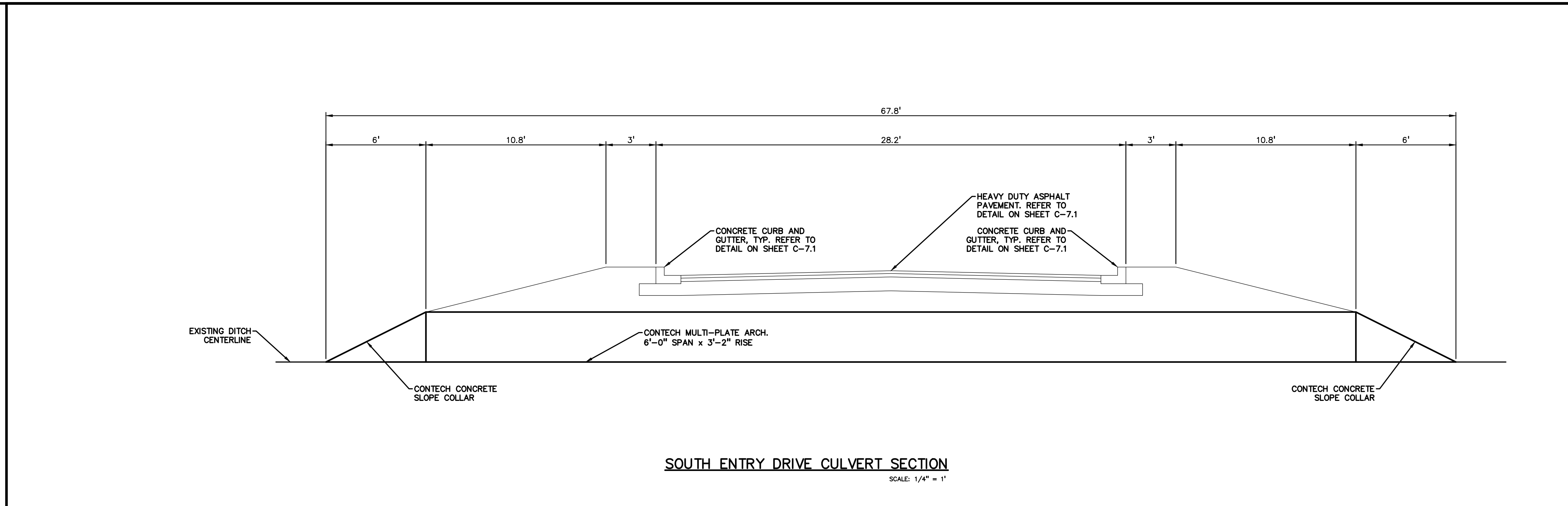
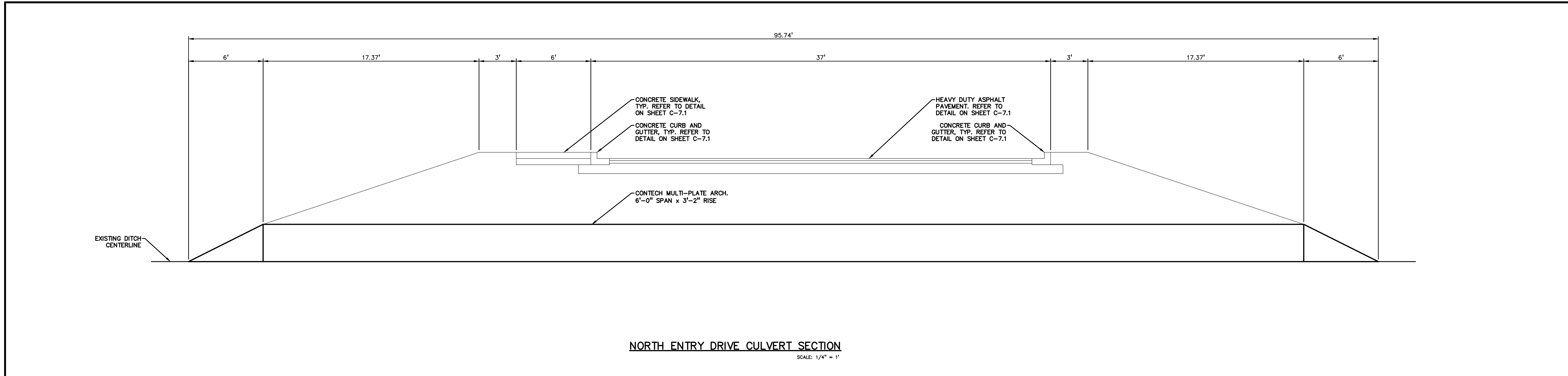
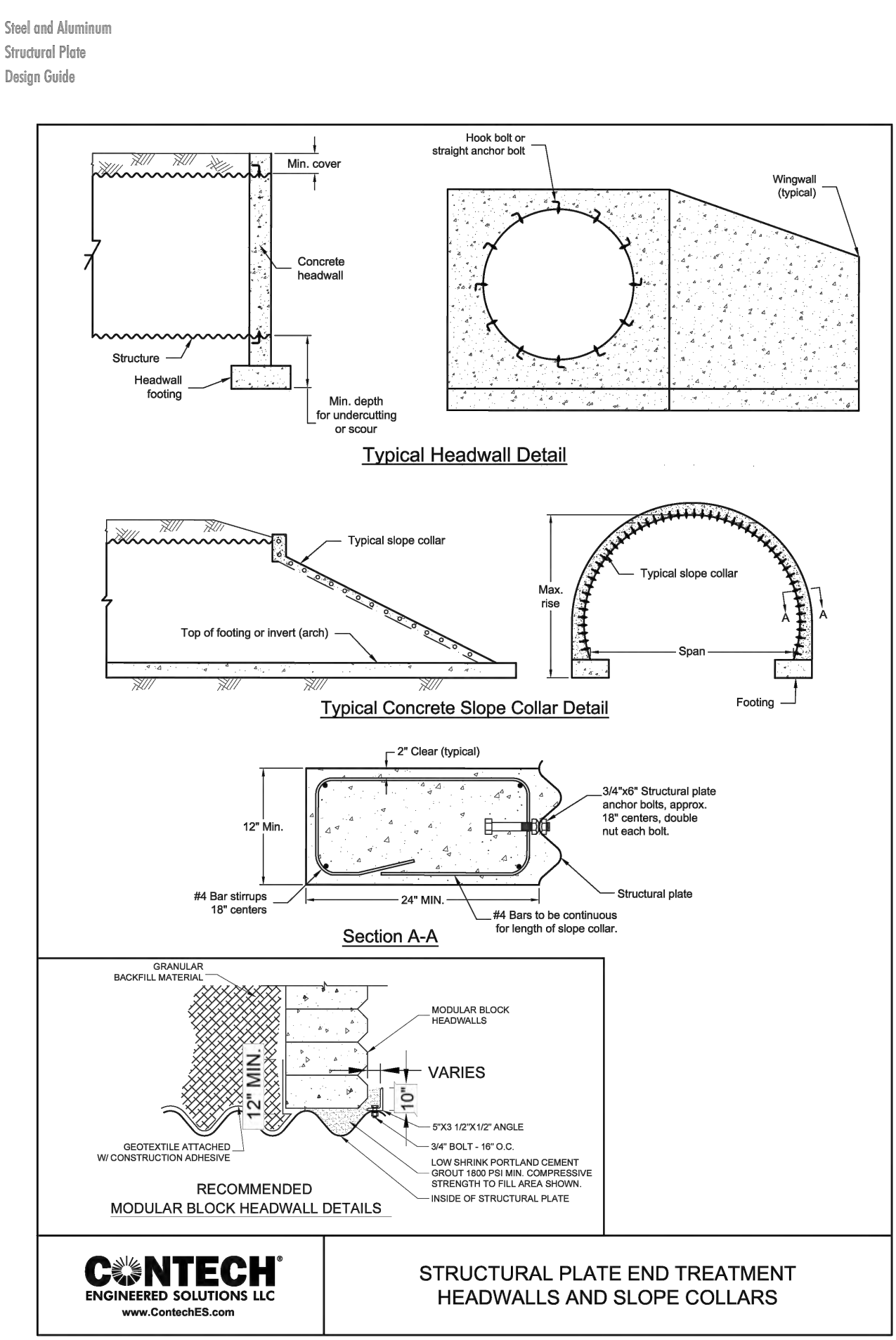
**22102**

DRAWING NO.

**C-7.3**



Typical Design Steps



C:\projects\2023\24-001 Troy School District Bid Package No. 03C Construction New Smith Middle School\07-13 Details-C-7.3.dwg  
Jun 10, 2024 2:28pm

REGISTRATION SEAL

CONSULTANT



PROJECT TITLE  
**New Smith Middle School Bld Package No. 03C**

**Troy School District**  
Troy, Michigan

DRAWING TITLE  
**SITE DETAILS**

ISSUE DATES

DATE	ISSUED FOR

06-18-2024 CONSTRUCTION DOCUMENTS

DATE ISSUED FOR:

DRAWN JW

CHECKED TD

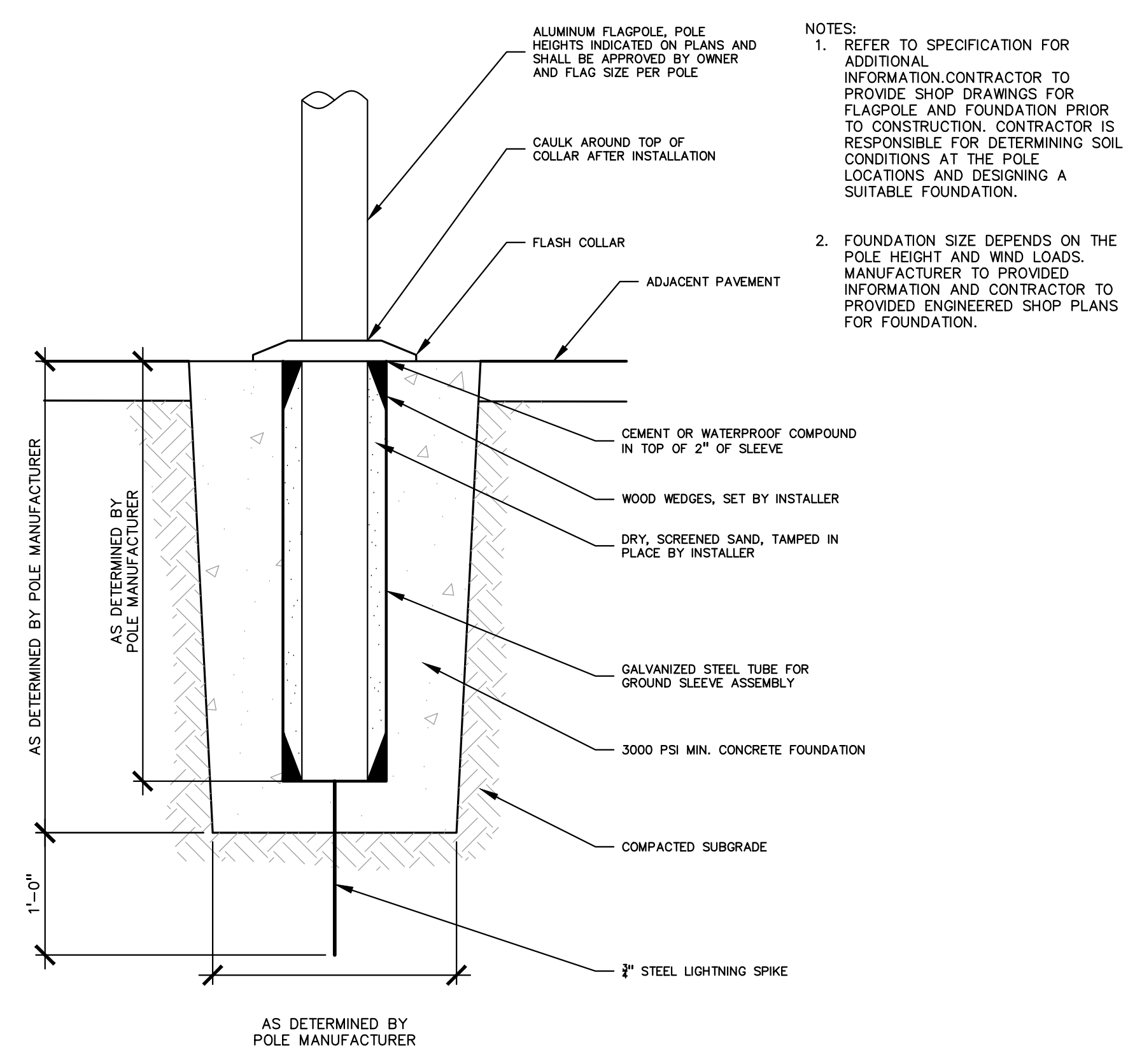
APPROVED TD

PROJECT NO.

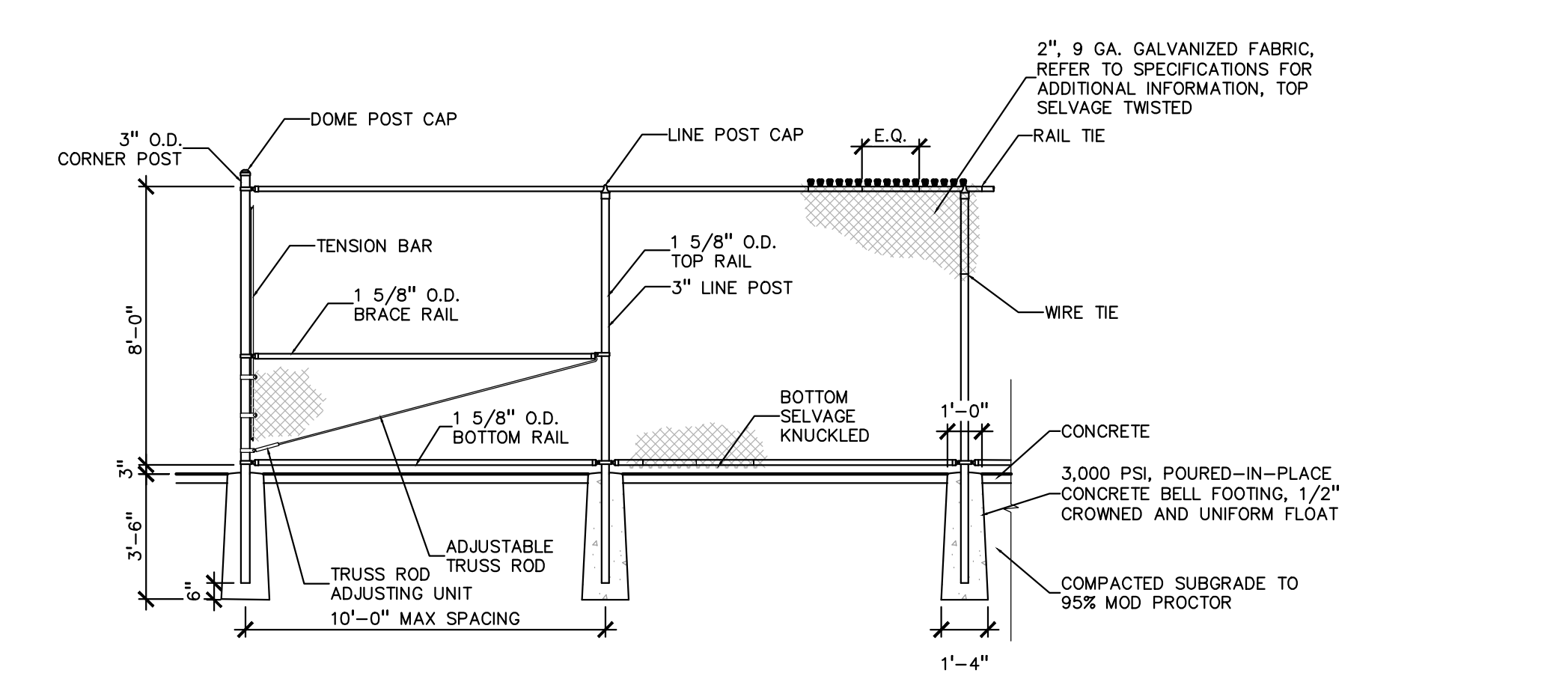
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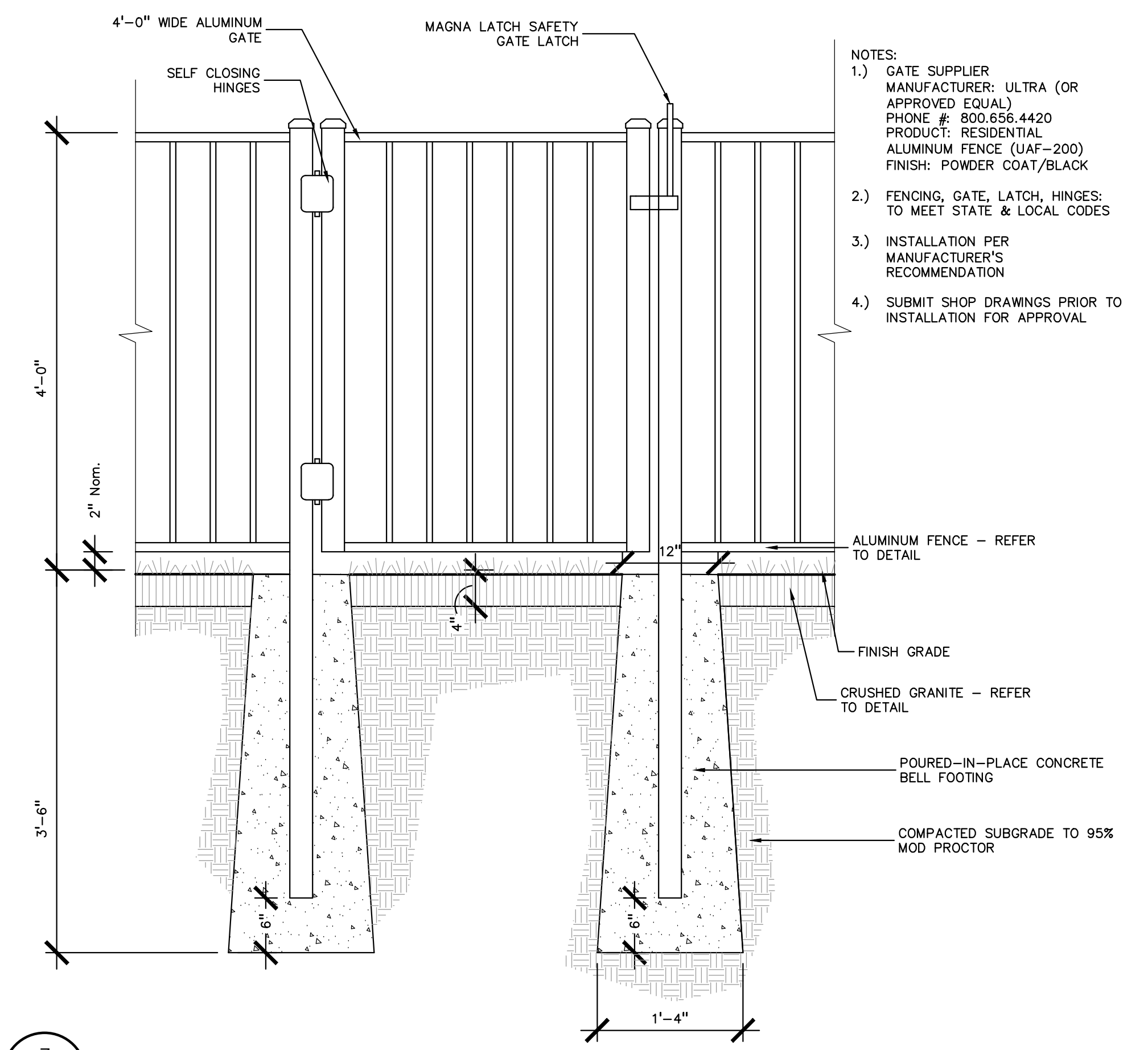
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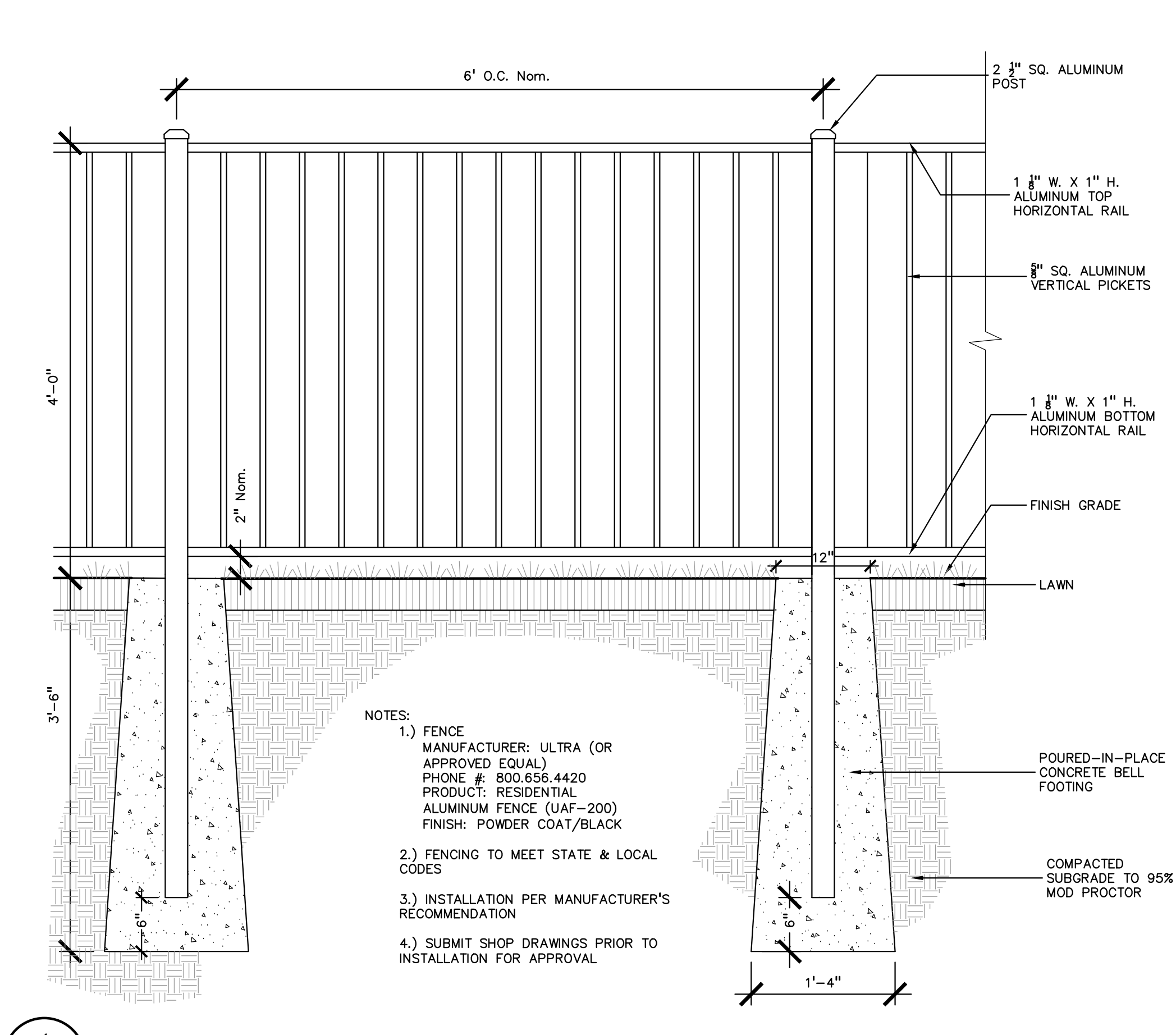
4 FLAGPOLE BASE DETAIL  
SCALE: 1 1/2" = 1'-0"



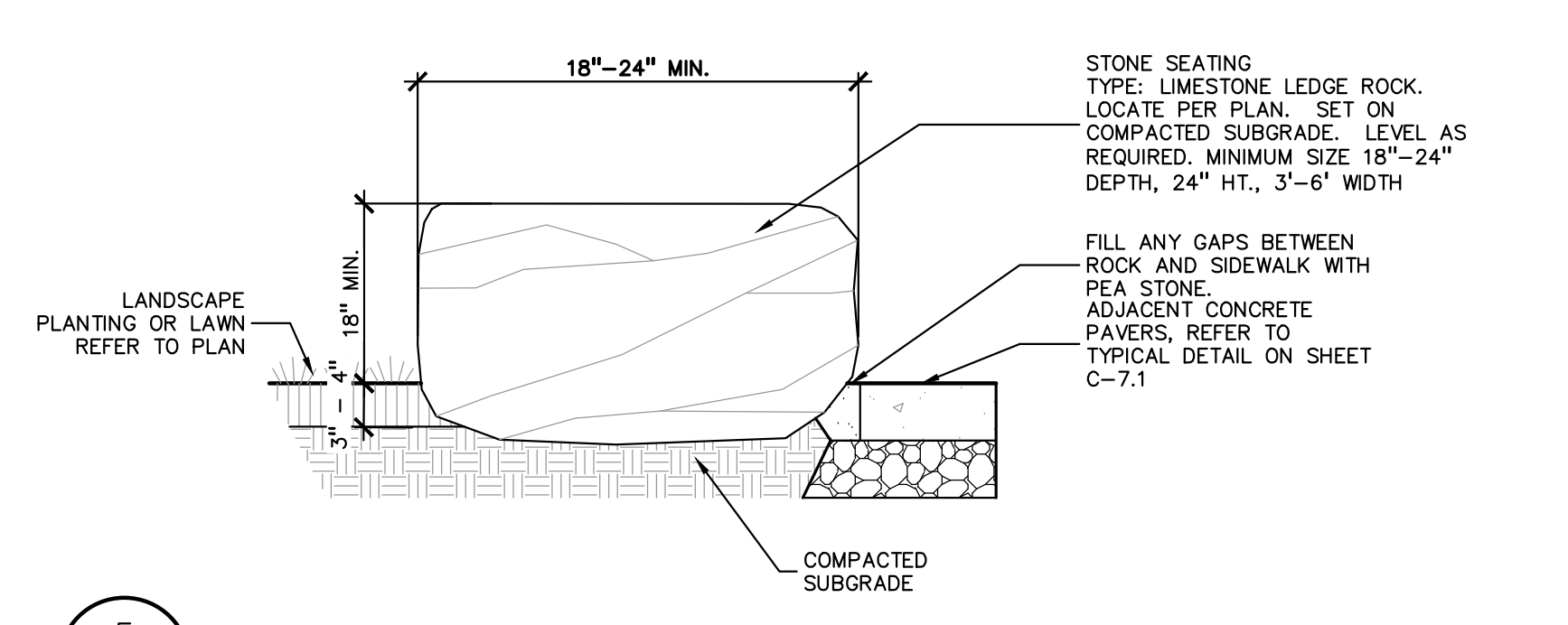
2 8' HT. VINYL COATED CHAIN LINK FENCE DETAIL  
SCALE: 1/4" = 1'-0"



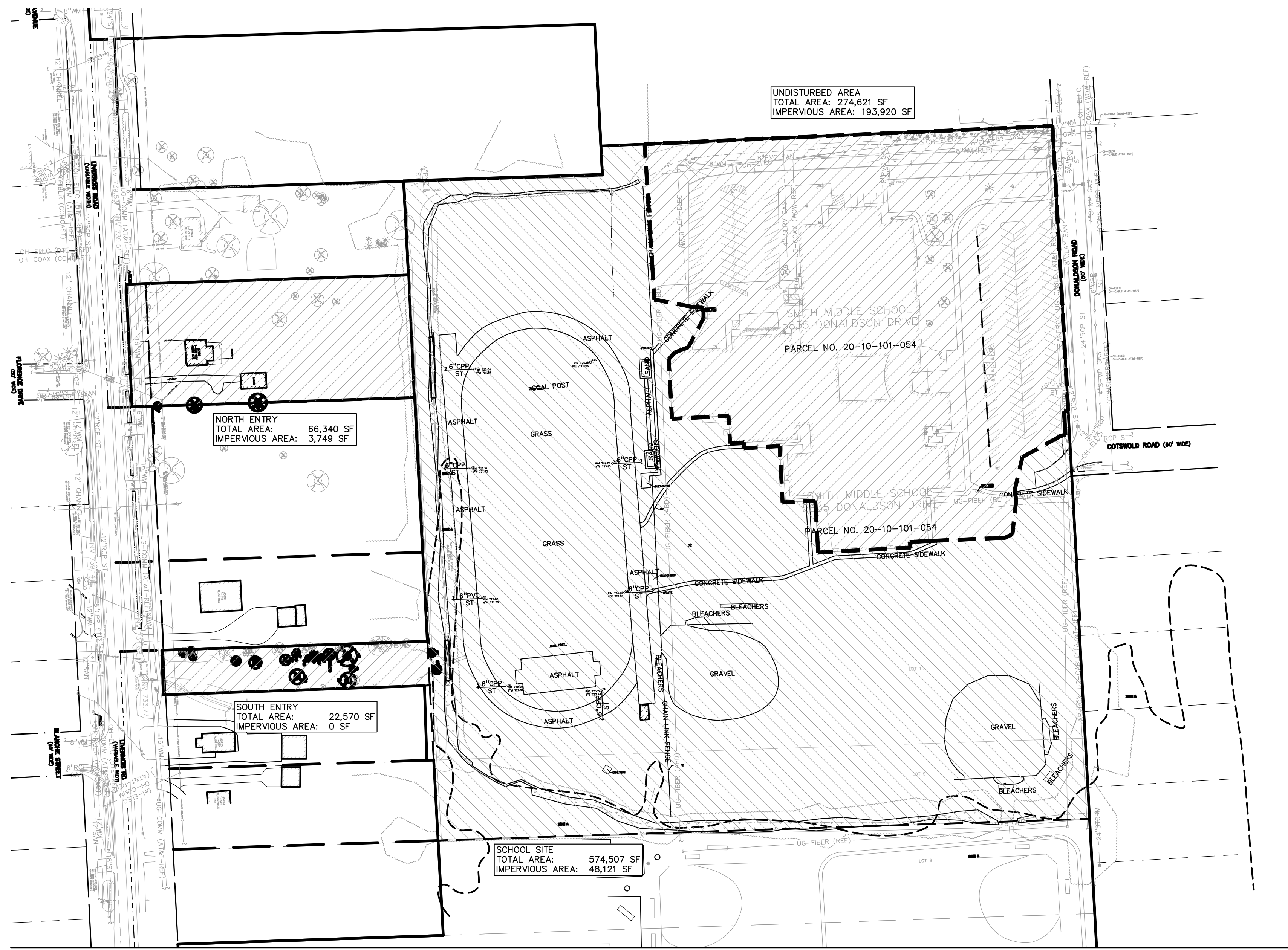
3 ALUMINUM GATE DETAIL  
SCALE: 1" = 1'-0"



1 ALUMINUM FENCING DETAIL  
SCALE: 1" = 1'-0"

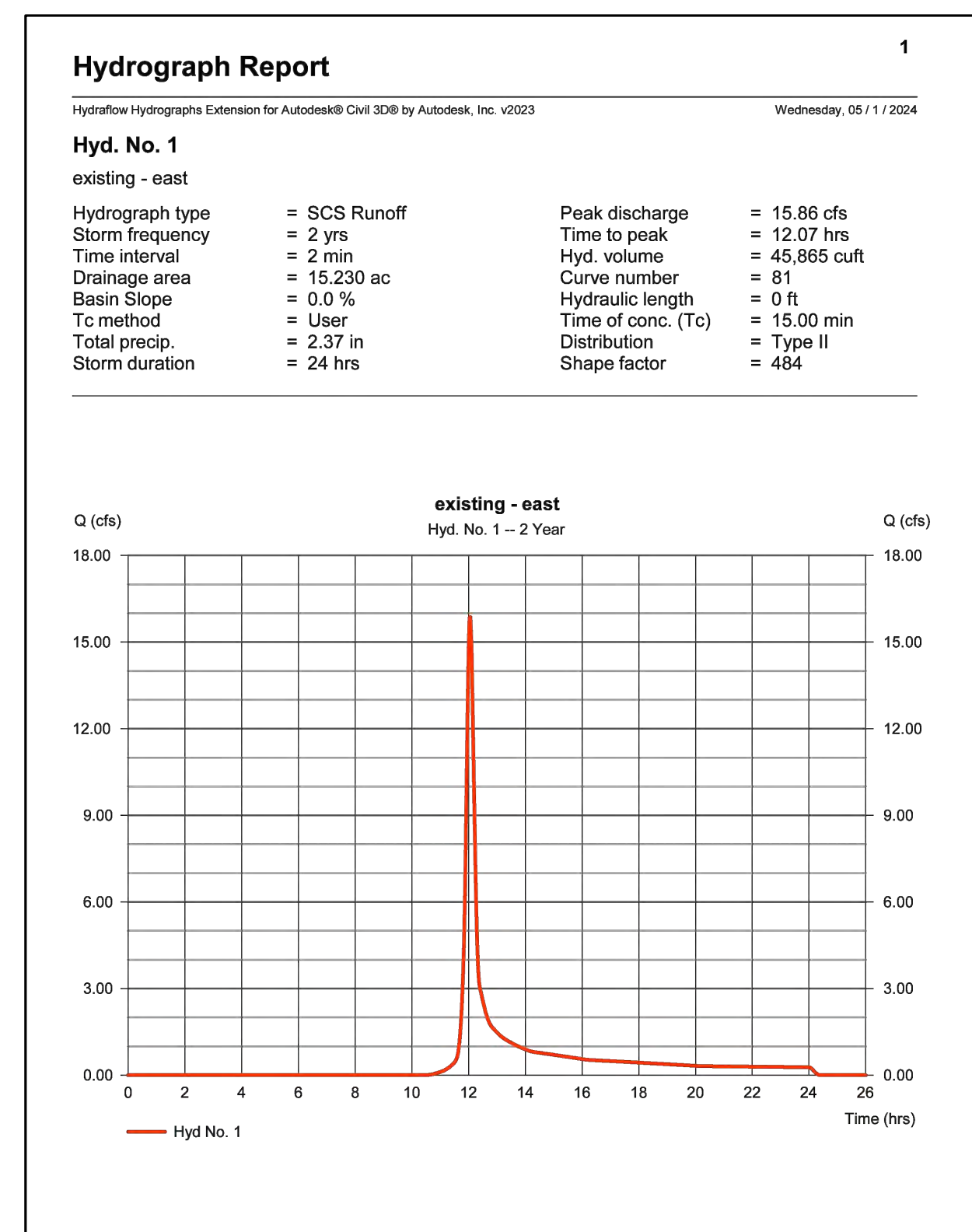


5 LEDGE STONE SEATING DETAIL  
SCALE: 1" = 1'-0"

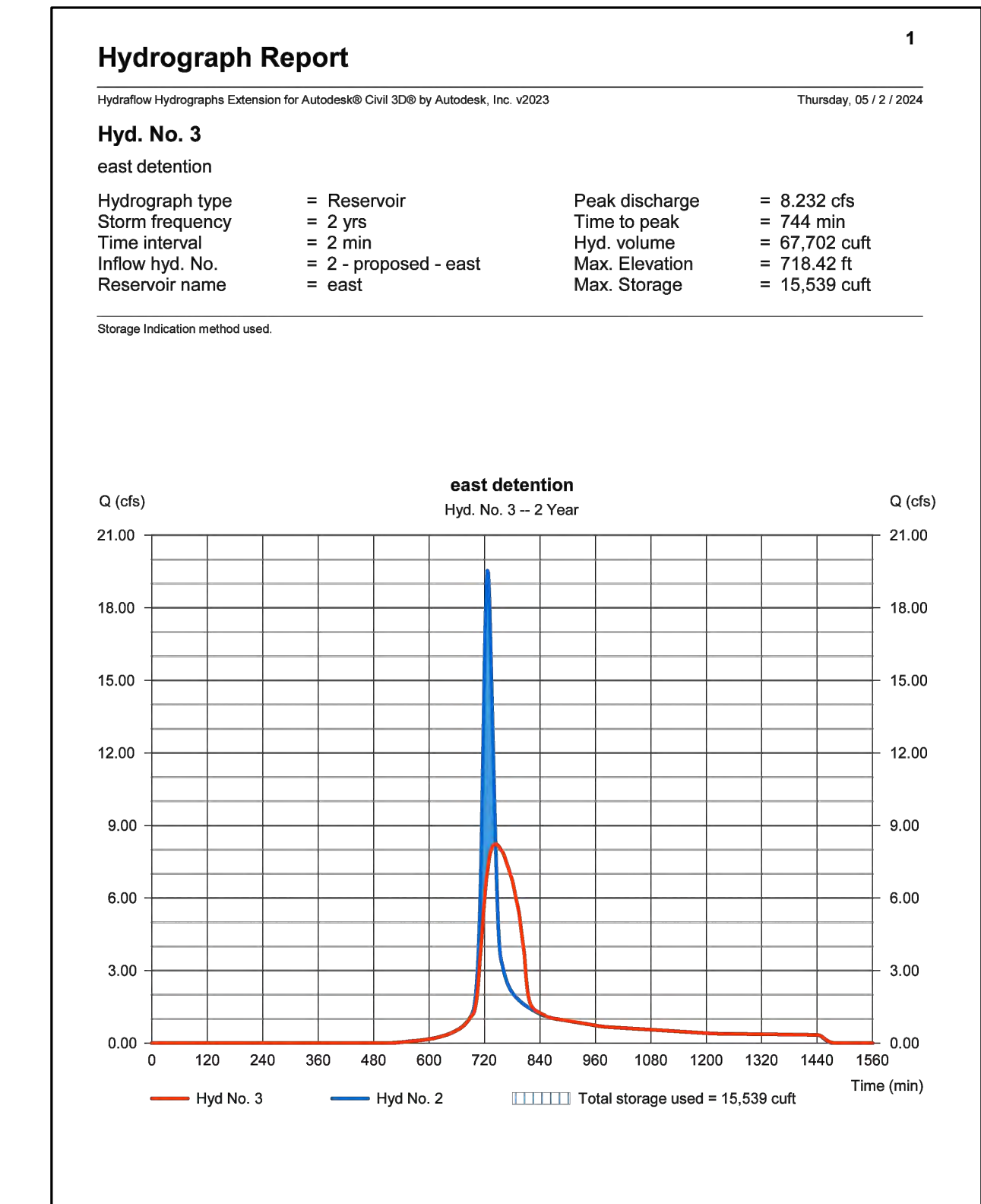
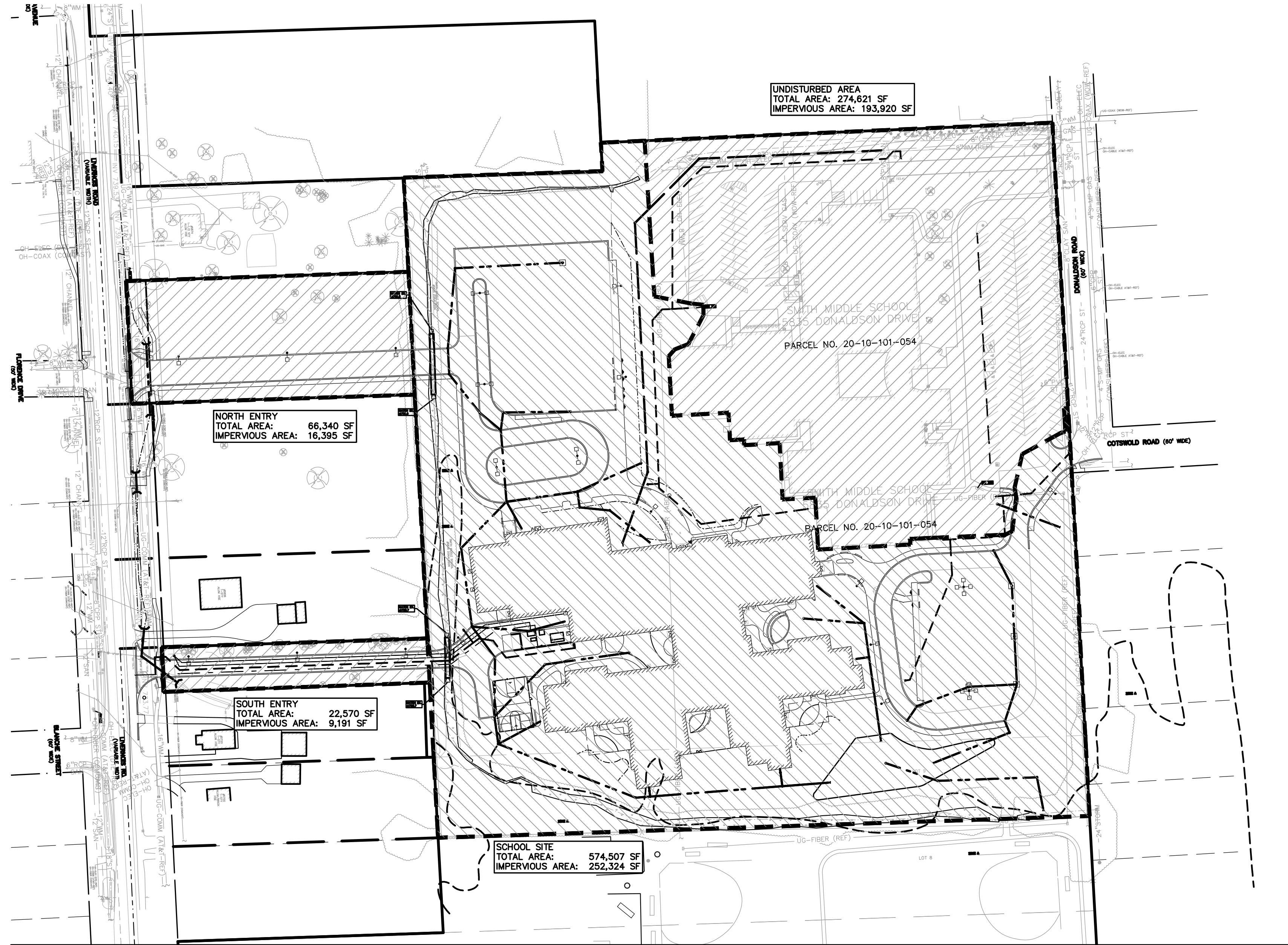


DRAINAGE AREA	IMPERVIOUS AREA		PERVIOUS AREA		TOTAL	RUNOFF COEFFICIENT	CURVE NUMBER	
	SF	ACRES	SF	ACRES				
EXISTING CONDITION								
NORTH ENTRY, HSG C	3,749	0.09	62,561	1.44	66,340	1.52	0.29	75
SOUTH ENTRY, HSG C	0	0.00	22,570	0.52	22,570	0.52	0.25	74
SCHOOL SITE, HSG D	48,121	1.10	526,386	12.08	574,507	13.19	0.40	82
SUB-TOTAL	51,870	1.19	611,547	14.04	663,417	15.23	0.38	81
UNDISTURBED, HSG D	193,920	4.45	80,701	1.85	274,621	6.30	0.77	93
TOTAL	245,790	5.64	692,248	15.89	938,038	21.53	0.50	84
PROPOSED CONDITION								
NORTH ENTRY, HSG C	16,395	0.38	49,945	1.15	66,340	1.52	0.42	80
SOUTH ENTRY, HSG C	9,191	0.21	13,379	0.31	22,570	0.52	0.54	84
SCHOOL SITE, HSG D	252,324	5.79	322,183	7.40	574,507	13.19	0.61	88
SUB-TOTAL	277,910	6.38	385,507	8.85	663,417	15.23	0.59	87
UNDISTURBED	193,920	4.45	80,701	1.85	274,621	6.30	0.77	93
TOTAL	769,740	17.21	851,715	19.55	1,601,455	36.76	0.63	88

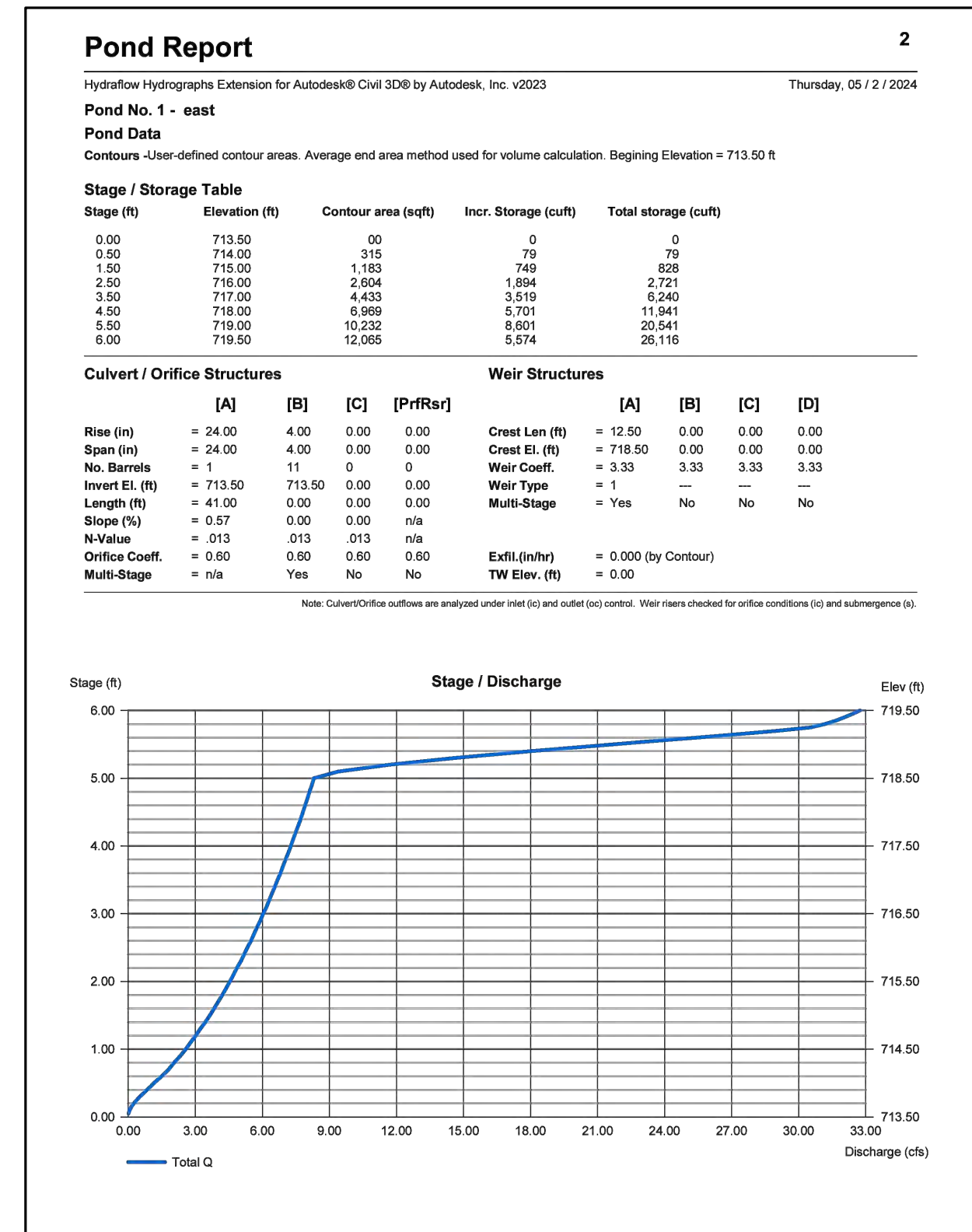
**DRAINAGE AREAS SUMMARY**



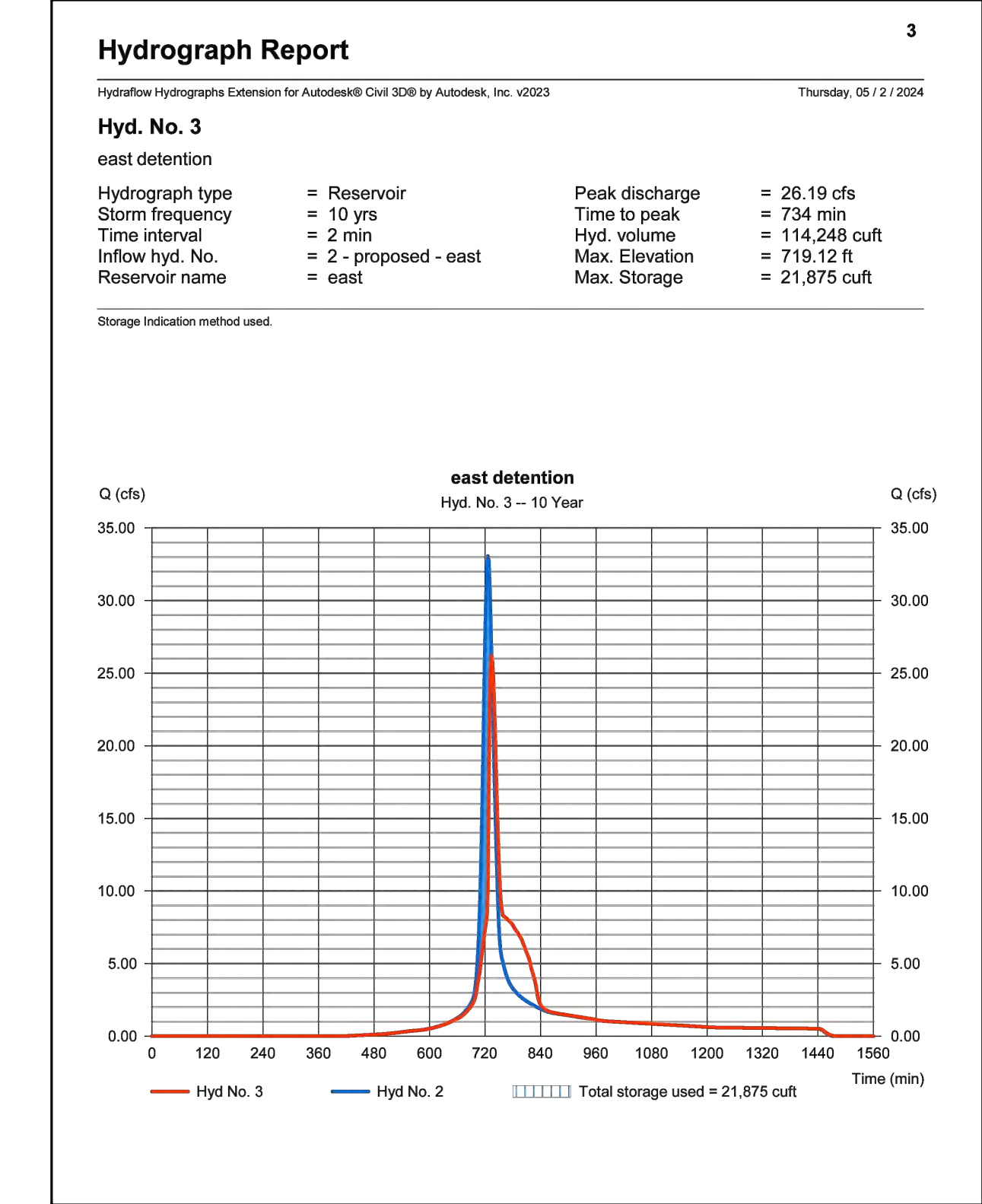
**EXISTING HYDROGRAPH**



**PROPOSED 2-YEAR HYDROGRAPH**

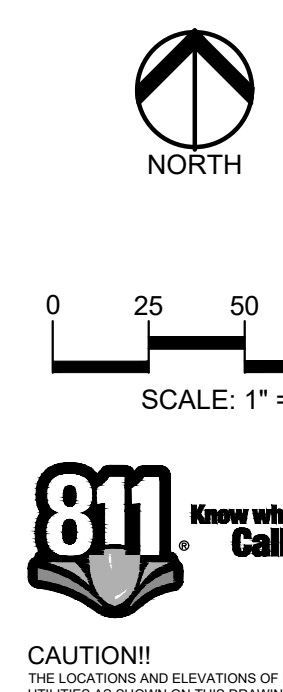


**DETENTION POND REPORT**



**PROPOSED 10-YEAR HYDROGRAPH**

**STORM WATER NARRATIVE:**  
THE STORM WATER MANAGEMENT PROGRAM PLAN (SWMP) FOR THE TROY SCHOOL DISTRICT WAS USED TO SIZE THE WATER QUALITY AND CHANNEL PROTECTION SYSTEMS FOR THIS SITE.  
**CHANNEL PROTECTION**  
ACCORDING TO THE SWMP, THE OUTFLOW FROM THE SITE FOR ALL STORMS UP TO THE 2-YEAR, 24-HOUR EVENT MUST BE MAINTAINED AT OR BELOW EXISTING LEVELS. THE HYDRAFLOW HYDROGRAPHS STORM WATER MODELING EXTENSION FOR AUTOCAD WAS USED TO DETERMINE THE PEAK FLOW FOR THE EXISTING AND PROPOSED CONDITIONS FOR THE 2-YEAR, 24-HOUR EVENT. SINCE THE PROPOSED FLOW WAS LARGER THAN THE EXISTING, HYDRAFLOW WAS ALSO USED TO SIZE THE DETENTION POND AND OUTLET. PORTIONS OF THE OUTPUT FROM THE PROGRAM ARE INCLUDED ABOVE; A DETAILED REPORT WILL BE INCLUDED SEPARATELY.  
**AS SHOWN IN THIS OUTPUT, THE PEAK FLOW FROM THE DETENTION BASIN FOR THE 2-YEAR, 24-HOUR EVENT IS 8.233 CFS, WHICH IS LOWER THAN THE EXISTING PEAK FLOW OF 15.86 CFS.**  
THE 10-YEAR, 24-HOUR PEAK FLOW WAS ALSO CALCULATED (26.19 CFS) TO VERIFY THE OVERFLOW RISER WITHIN THE DETENTION POND WOULD BE ABLE TO HANDLE THE FLOW. THIS FLOW CREATES A WATER SURFACE ELEVATION THAT WOULD STILL BE CONTAINED WITHIN THE DETENTION BASIN. ADDITIONALLY, FLOW THROUGH STRUCTURES 100-103 IS INCLUDED IN THE CONVEYANCE SPREADSHEET ON SHEET C-8.1. A PRESSURE CONDITION WILL OCCUR; HOWEVER, THE OUTLET PIPE WILL HANDLE THE 10-YEAR FLOW.  
AN OVERFLOW WER IS INCLUDED IN THE SIDE OF THE BASIN FOR EVENTS LARGER THAN THE 10-YEAR, 24-HOUR EVENT. FLOW OVER THIS WER WILL ENTER THE EXISTING DITCH ON THE SOUTH SIDE OF THE SITE WHERE IT WILL THEN BE DIRECTED OFF-SITE.



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**REGISTRATION SEAL**



**PROJECT TITLE**  
New Smith Middle School Bld Package No. 03C

**Troy School District**  
Troy, Michigan

**DRAWING TITLE**  
STORM WATER DETENTION CALCULATION

**ISSUE DATES**

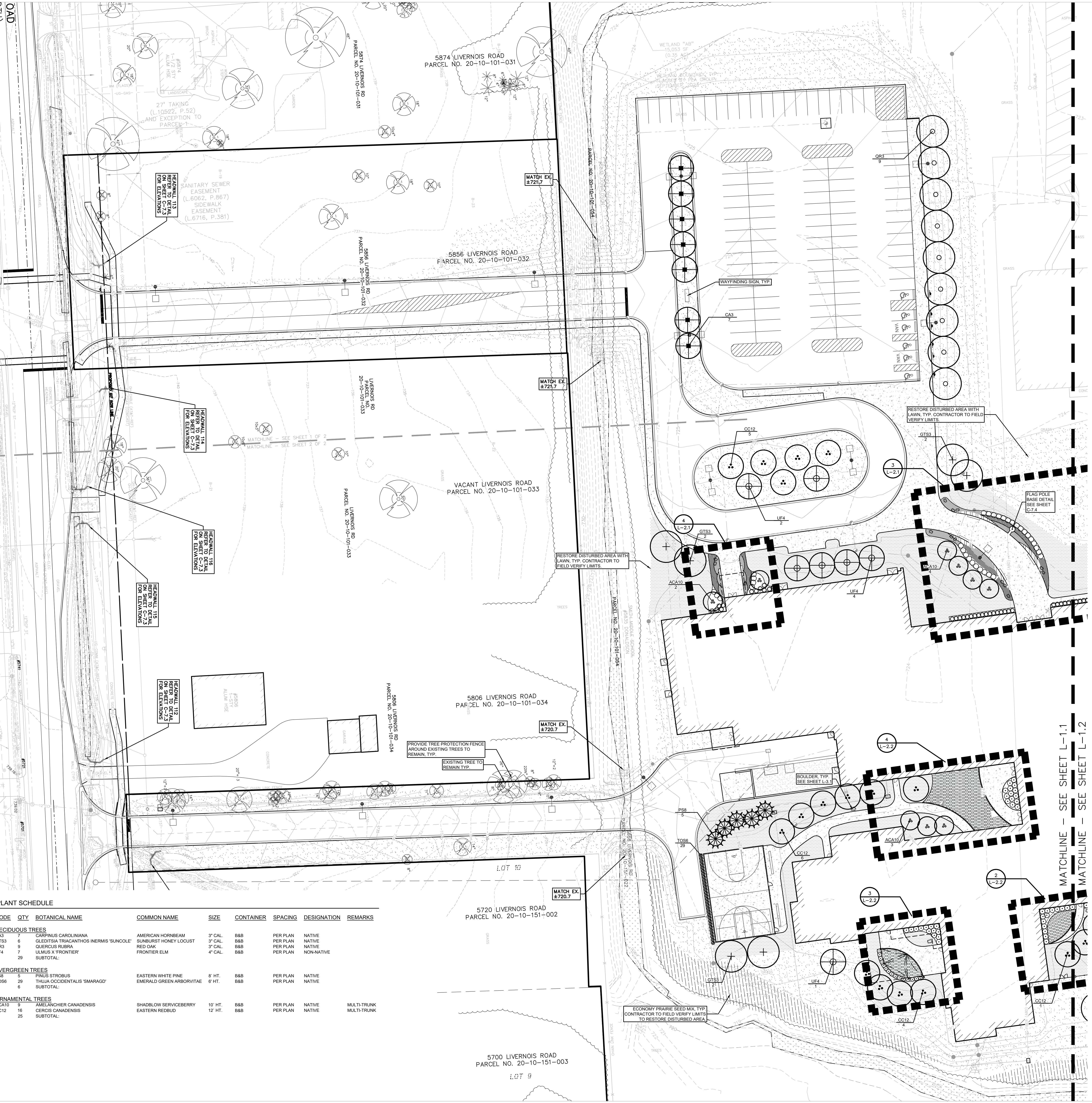
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06-18-2024 CONSTRUCTION DOCUMENTS  
**DATE ISSUED FOR:**  
**DRAWN** JW  
**CHECKED** TD  
**APPROVED** TD

**PROJECT NO.**  
**22102**  
**DRAWING NO.**  
**C-8.0**







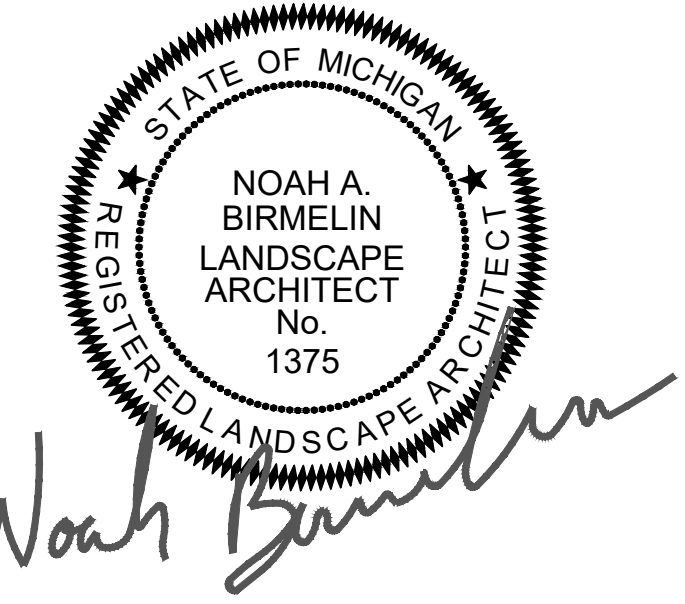
**NOTES:**

1. REFER TO SHEET L-1.0 FOR GENERAL PLANTING NOTES.
2. REFER TO SHEETS L-2.1 & L-2.2 FOR ENLARGED PLANTING PLANS SHOWING SHRUBS AND PERENNIALS.
3. REFER TO SHEETS L-3.1 & L-3.2 FOR TYPICAL DETAILS.
4. REFER TO SHEETS L-4.1 & L-4.2 FOR SPECIFICATIONS.



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REGISTRATION SEAL



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PROJECT TITLE  
**New Smith Middle School Bld Package No. 03C**

Troy School District  
Troy, Michigan

DRAWING TITLE  
**LANDSCAPE PLAN**

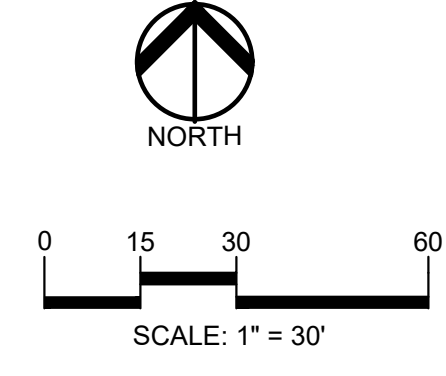
ISSUE DATES

06-18-2024	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:
DRAWN	SS
CHECKED	NB
APPROVED	TD

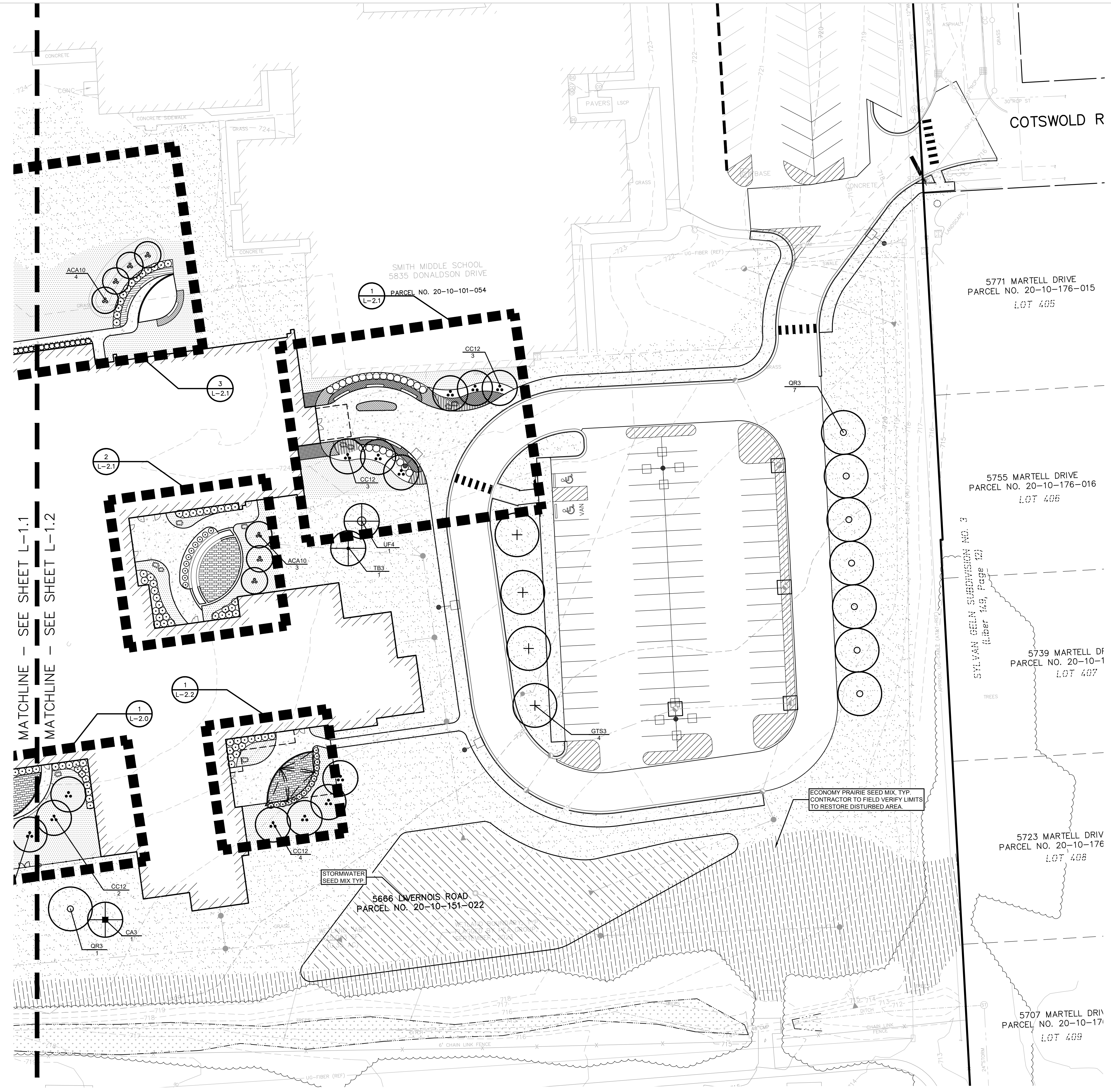
PROJECT NO.  
**22102**  
DRAWING NO.  
**L-1.1**

**PLANT SCHEDULE**

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	DESIGNATION	REMARKS
<b>DECIDUOUS TREES</b>								
CA3	7	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	3" CAL	B&B	PER PLAN	NATIVE	
GT53	6	GLEDTISIA TRIACANTHOS INERMIS 'SUNCOLE'	SUNBURST HONEY LOCUST	3" CAL	B&B	PER PLAN	NATIVE	
QCS	9	QUERCUS RUBRA	RED OAK	3" CAL	B&B	PER PLAN	NATIVE	
UF4	7	ULMUS X 'FRONTIER'	FRONTIER ELM	4" CAL	B&B	PER PLAN	NON-NATIVE	
SUBTOTAL:								
<b>EVERGREEN TREES</b>								
PS8	5	PINUS STROBUS	EASTERN WHITE PINE	6" HT.	B&B	PER PLAN	NATIVE	
TOS6	29	THUJA OCCIDENTALIS 'SMARAGD'	EMERALD GREEN ARBORVITAE	6" HT.	B&B	PER PLAN	NATIVE	
SUBTOTAL:								
<b>ORNAMENTAL TREES</b>								
ACA10	9	AMELANCHIER CANADENSIS	SHADBLow SERVICEBERRY	10 HT.	B&B	PER PLAN	NATIVE	MULTI-TRUNK
CC12	16	CERCIS CANADENSIS	EASTERN REDBUD	12 HT.	B&B	PER PLAN	NATIVE	MULTI-TRUNK
SUBTOTAL:								



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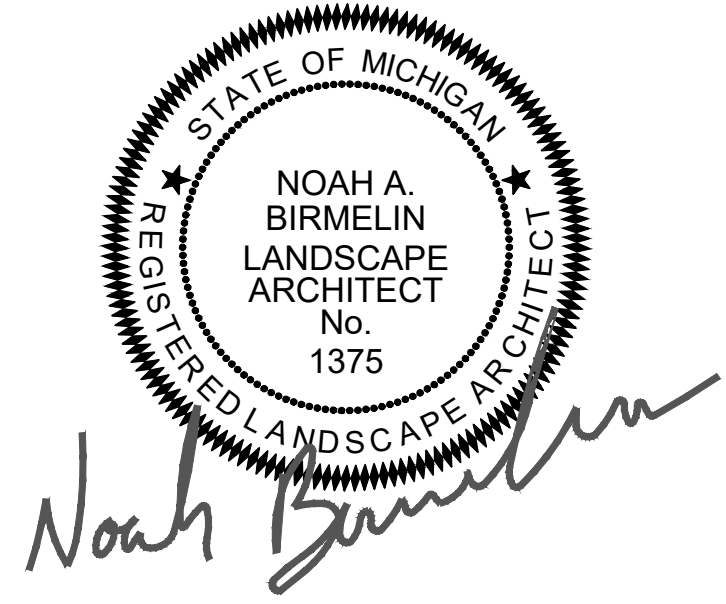
PLANT SCHEDULE L-1.2

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	DESIGNATION	REMARKS
<b>DECIDUOUS TREES</b>								
AF2.5	1	ACER X FREEMANNII	FREEMAN MAPLE	3" CAL.	B&B	PER PLAN		
CAS	1	CARPINUS CAROLINIANA	AMERICAN HORNBEEAM	3" CAL.	B&B	PER PLAN	NATIVE	
QT33	4	QUELDTIA TRICANTHOS INERMIS 'SUNCOLE'	SUNBURST HONEY LOCUST	3" CAL.	B&B	PER PLAN	NATIVE	
QR3	8	QUERCUS RUBRA	RED OAK	3" CAL.	B&B	PER PLAN	NATIVE	
TB3	1	TILIA AMERICANA 'BOULEVARD'	BOULEVARD AMERICAN LINDEN	3" CAL.	B&B	PER PLAN	NATIVE	
	15	SUBTOTAL:						
<b>ORNAMENTAL TREES</b>								
AGAT17	7	AMELANCHIER CANADENSIS	SHADBLOW SERVICEBERRY	10' HT.	B&B	PER PLAN	NATIVE	MULTI-TRUNK
CC12	12	CERCIS CANADENSIS	EASTERN REDBUD	12' HT.	B&B	PER PLAN	NATIVE	MULTI-TRUNK
	19	SUBTOTAL:						



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PROJECT TITLE  
**New Smith Middle School Bid Package No. 03C**

Troy School District  
 Troy, Michigan

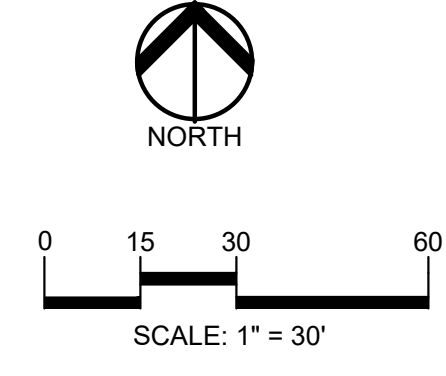
DRAWING TITLE  
**LANDSCAPE PLAN**

ISSUE DATES

DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS
DATE	ISSUED FOR:

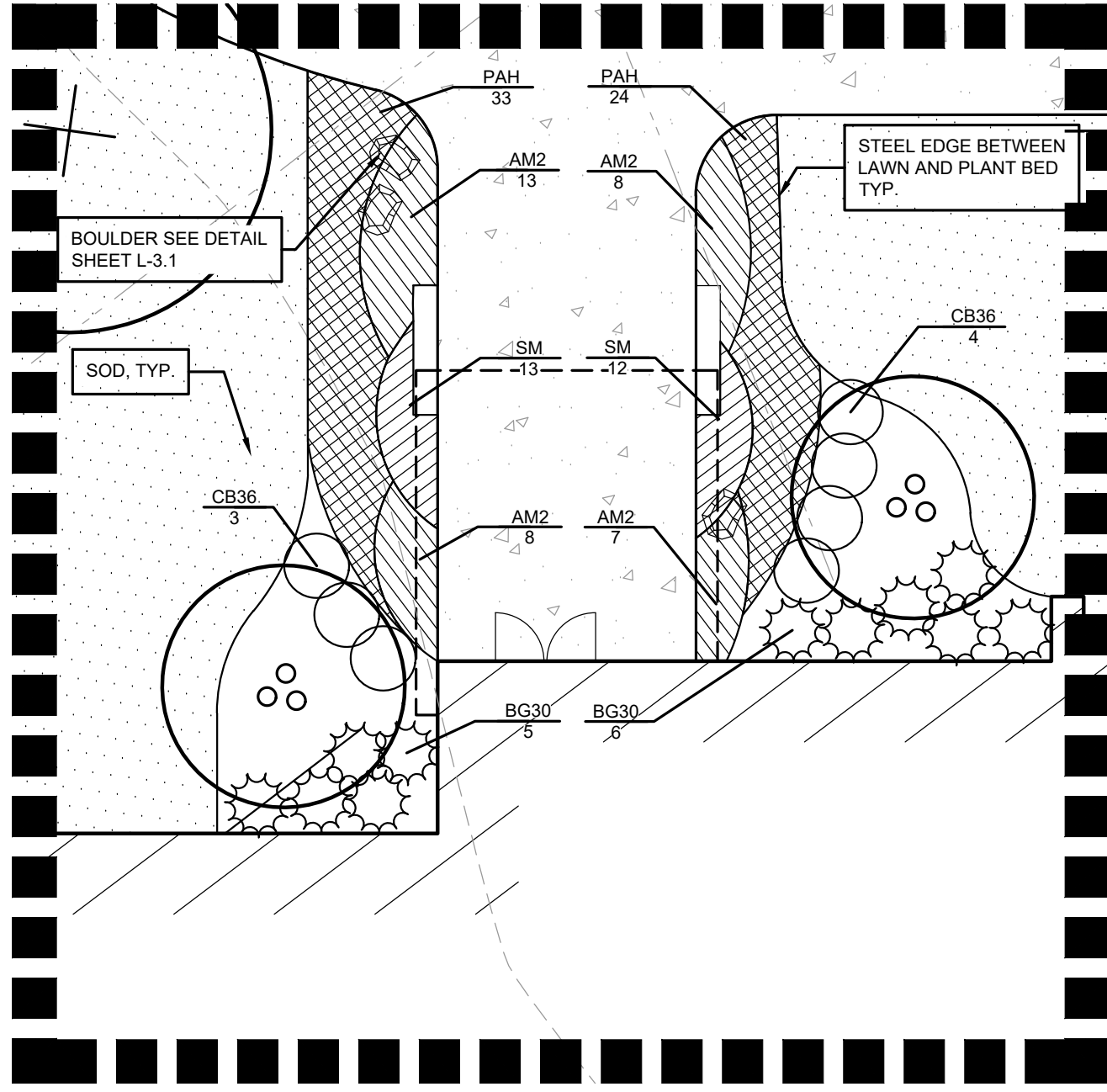
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APPROVED	TD

PROJECT NO.  
**22102**  
 DRAWING NO.  
**L-1.2**



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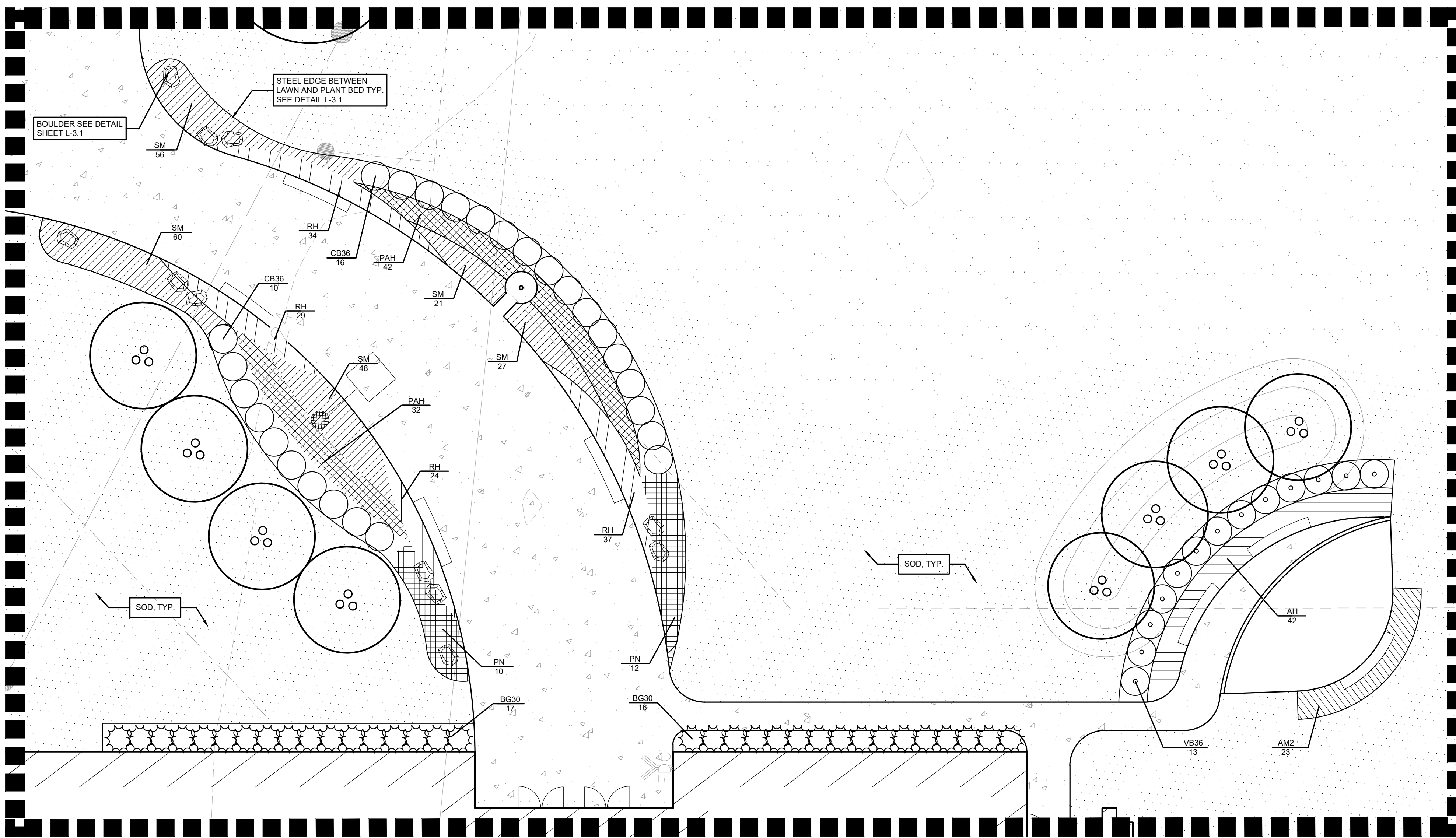
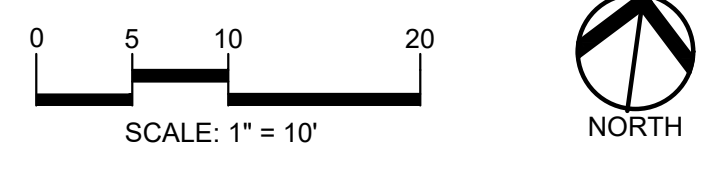
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**PLANT SCHEDULE ENTRANCE 1**

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	DESIGNATION	REMARKS
<b>SHRUBS</b>								
BC30	11	BUXUS X 'GREEN GEM'	GREEN GEM BOXWOOD	30" HT.	B&B	4' O.C.	NON-NATIVE	
CB36	7	CORNUS SERICEA 'BERGESON'S COMPACT'	BERGESON'S RED TWIG DOGWOOD	36" HT.	CONT.	4' O.C.	NATIVE	
SUBTOTAL:								
<b>PERENNIALS</b>								
AM2	36	ACHILLEA MILLEFOLIUM	COMMON YARROW	1 GAL.	POT	24" O.C.	NATIVE	
PAH	57	PENNISETUM ALOPECUROIDES 'HAMELIN'	HAMELIN FOUNTAIN GRASS	1 GAL.	POT	24" O.C.	NON-NATIVE	
SM	25	SALVIA X SYLVESTRIS 'MAY NIGHT'	MAY NIGHT SAGE	1 GAL.	POT	18" O.C.	NON-NATIVE	
SUBTOTAL:								

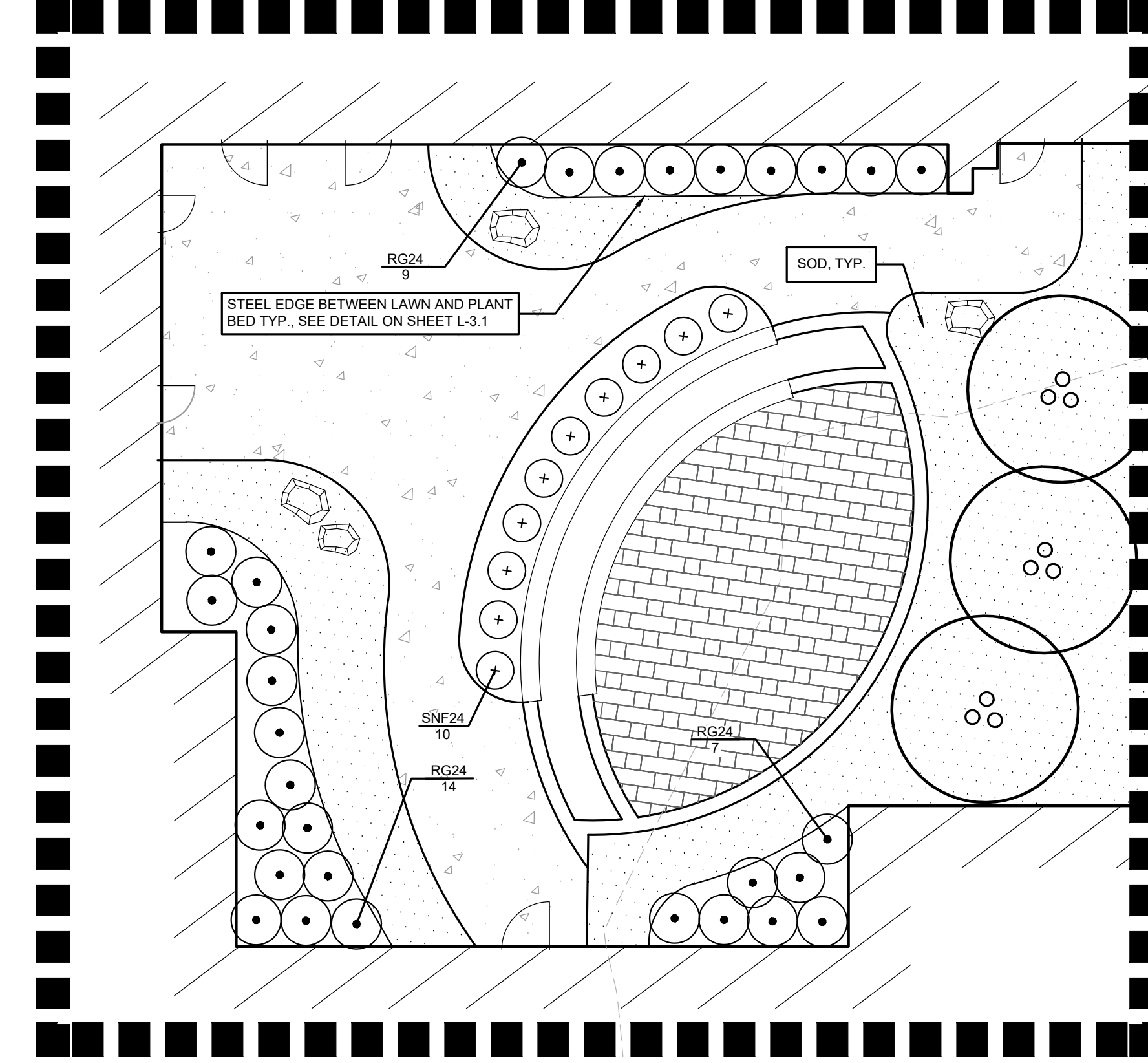
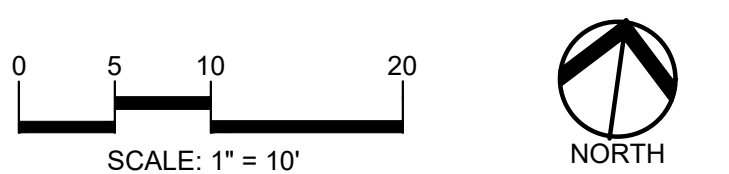
**4 ENTRANCE 1 - PLANTING ENLARGEMENT**  
SCALE: 1" = 1'-0"



**PLANT SCHEDULE ENTRANCE 2**

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	DESIGNATION	REMARKS
<b>SHRUBS</b>								
BC30	10	BUXUS X 'GREEN GEM'	GREEN GEM BOXWOOD	30" HT.	B&B	4' O.C.	NON-NATIVE	
CB36	14	CORNUS SERICEA 'BERGESON'S COMPACT'	BERGESON'S RED TWIG DOGWOOD	36" HT.	CONT.	4' O.C.	NATIVE	
VB36	13	VIBURNUM TRILOBUM 'BAILEY COMPACT'	BAILEY'S COMPACT CRANBERRYBUSH	36" HT.	B&B	4' O.C.	NATIVE	
SUBTOTAL:								
<b>PERENNIALS</b>								
AM2	23	ACHILLEA MILLEFOLIUM	COMMON YARROW	1 GAL.	POT	24" O.C.	NATIVE	
AH	42	AMSONIA CILIATA 'HALFWAY TO ARKANSAS'	HALFWAY TO ARKANSAS BLUESTAR	1 GAL.	POT	24" O.C.	NON-NATIVE	
PAH	32	PENNISETUM ALOPECUROIDES 'HAMELIN'	HAMELIN FOUNTAIN GRASS	1 GAL.	POT	24" O.C.	NON-NATIVE	
PN	22	PANICUM VIRGATUM 'NORTHWIND'	NORTHWIND SWITCH GRASS	2 GAL.	POT	36" O.C.	NATIVE	
RH	124	RUDBECKIA HIRTA	BLACK-EYED SUSAN	1 GAL.	POT	18" O.C.	NATIVE	
SM	185	SALVIA X SYLVESTRIS 'MAY NIGHT'	MAY NIGHT SAGE	1 GAL.	POT	18" O.C.	NON-NATIVE	

**3 ENTRANCE 2 - PLANTING ENLARGEMENT**  
SCALE: 1" = 1'-0"

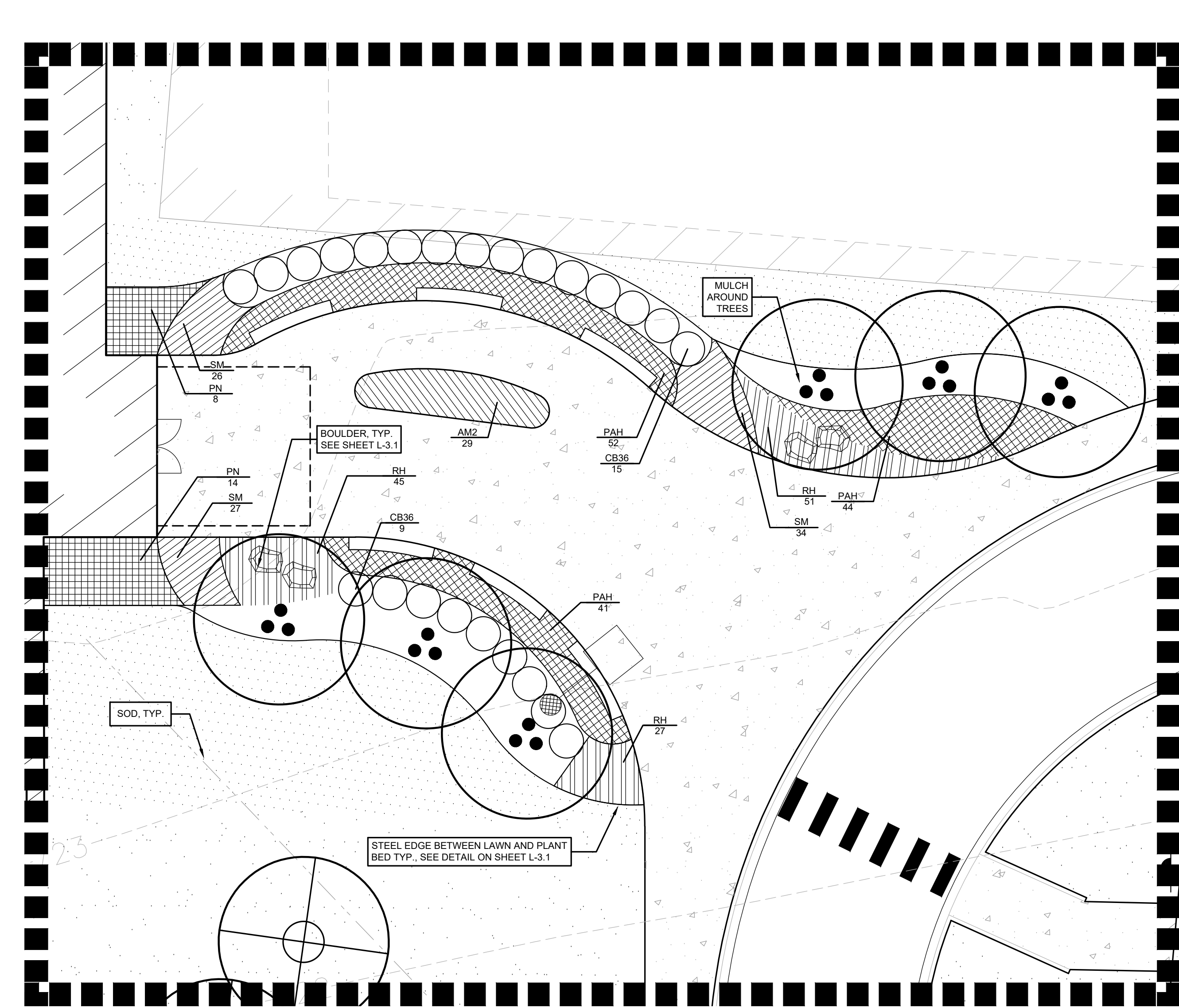
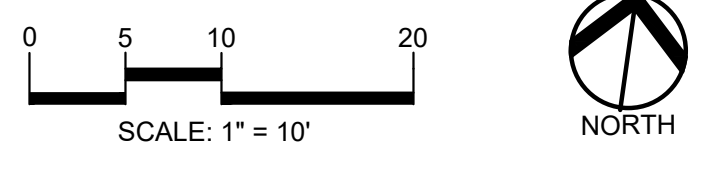


- NOTES:**
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  - REFER TO SHEETS L-3.1 & L-3.2 FOR TYPICAL DETAILS.
  - REFER TO SHEETS L-4.1 & L-4.2 FOR SPECIFICATIONS.

**PLANT SCHEDULE COURTYARD 2**

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	DESIGNATION	REMARKS
<b>SHRUBS</b>								
RH24	30	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	24" SPRD.	CONT.	4' O.C.	NATIVE	
SNF24	10	SPIRAEA JAPONICA 'NEON FLASH'	NEON FLASH JAPANESE SPIREA	24" HT.	CONT.	36" O.C.	NON-NATIVE	
SUBTOTAL:								

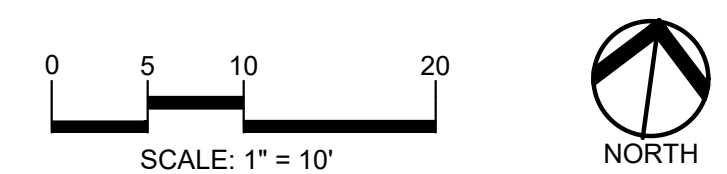
**2 COURTYARD 2 - PLANTING ENLARGEMENT**  
SCALE: 1" = 1'-0"



**PLANT SCHEDULE ENTRANCE 3**

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	DESIGNATION	REMARKS
<b>SHRUBS</b>								
CB36	24	CORNUS SERICEA 'BERGESON'S COMPACT'	BERGESON'S RED TWIG DOGWOOD	36" HT.	CONT.	4' O.C.	NATIVE	
SUBTOTAL:								
<b>PERENNIALS</b>								
PN	22	PANICUM VIRGATUM 'NORTHWIND'	NORTHWIND SWITCH GRASS	2 GAL.	POT	36" O.C.	NATIVE	
PAH	137	PENNISETUM ALOPECUROIDES 'HAMELIN'	HAMELIN FOUNTAIN GRASS	1 GAL.	POT	24" O.C.	NON-NATIVE	
RH	123	RUDBECKIA HIRTA	BLACK-EYED SUSAN	1 GAL.	POT	18" O.C.	NATIVE	
SM	87	SALVIA X SYLVESTRIS 'MAY NIGHT'	MAY NIGHT SAGE	1 GAL.	POT	18" O.C.	NON-NATIVE	
SUBTOTAL:								

**1 ENTRANCE 3 - PLANTING ENLARGEMENT**  
SCALE: 1" = 1'-0"



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Noah Birmelin

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**PROJECT TITLE**  
New Smith Middle School  
School  
Bid Package No. 03C

**Troy School District**  
Troy, Michigan

**DRAWING TITLE**  
LANDSCAPE PLAN  
ENLARGEMENTS

**ISSUE DATES**

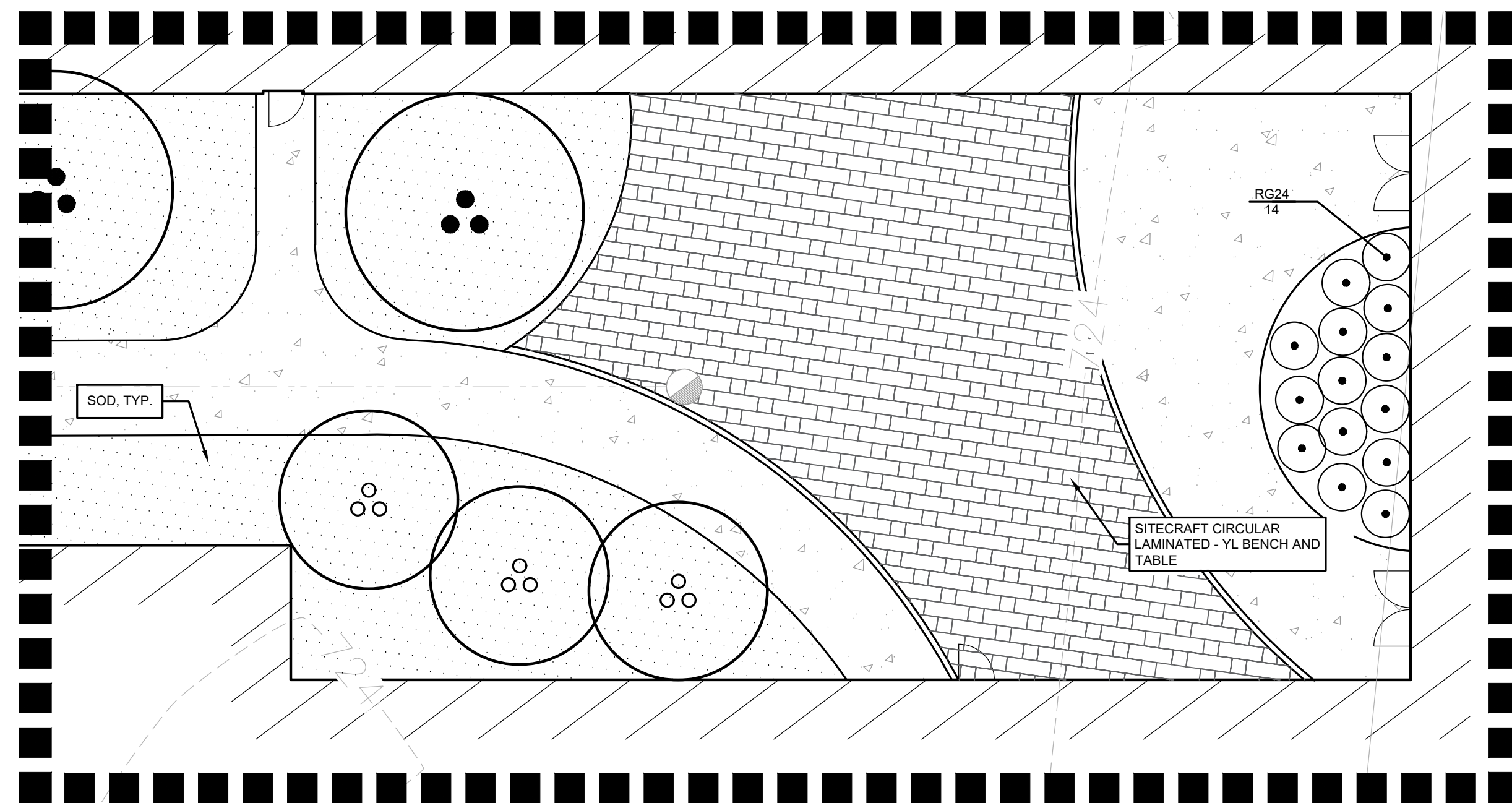
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06-18-2024	CONSTRUCTION DOCUMENTS

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**22102**

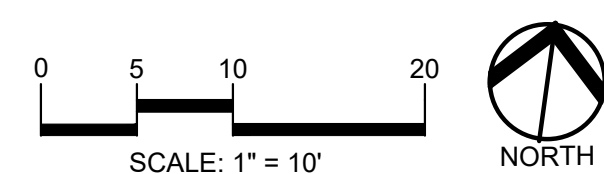
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**L-2.1**



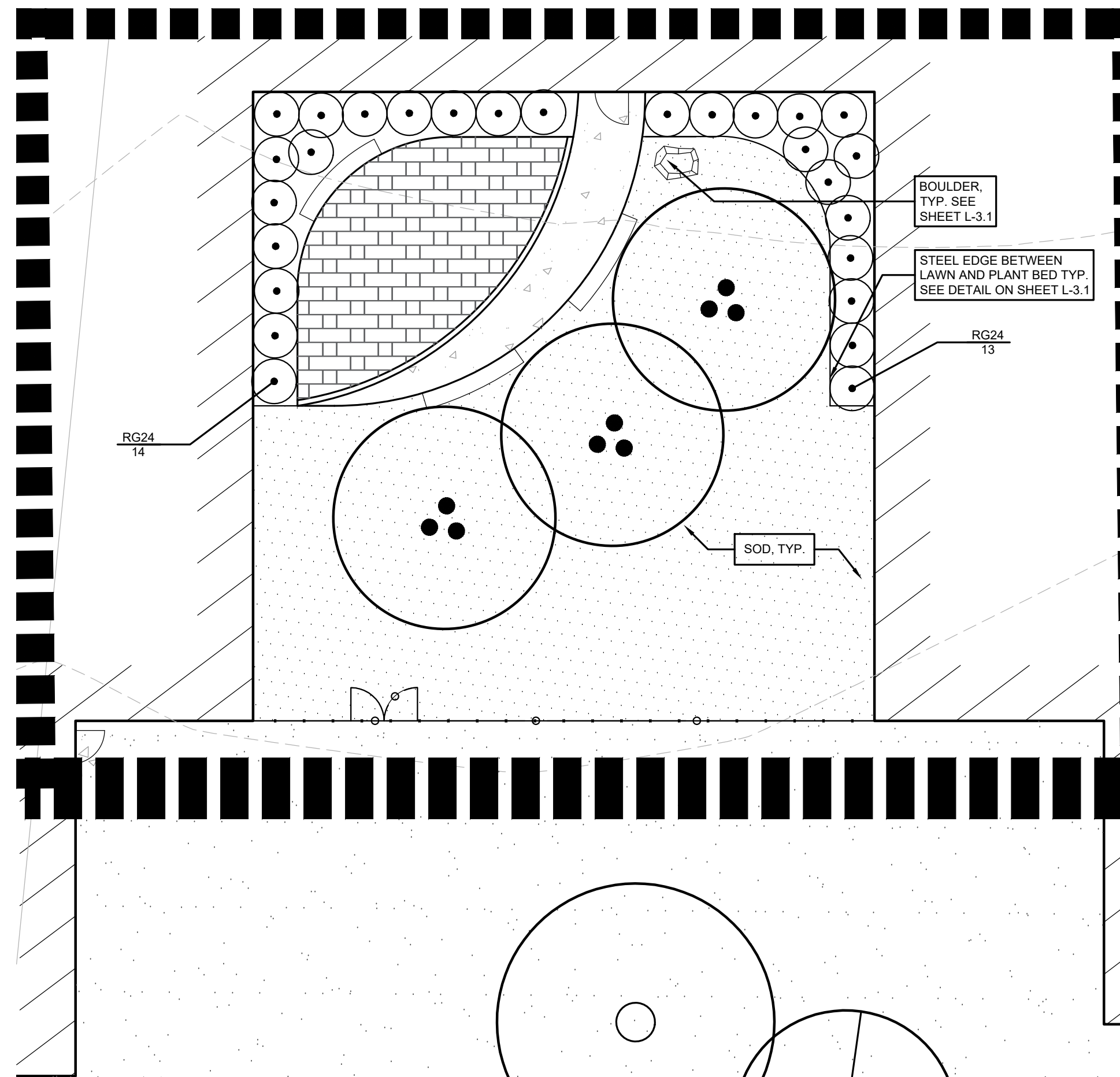


PLANT SCHEDULE COURTYARD 1

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	DESIGNATION	REMARKS
SHRUBS								
RG24	14	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	24" SPRD	CONT.	4' O.C.	NATIVE	
	14							
SUBTOTAL:								

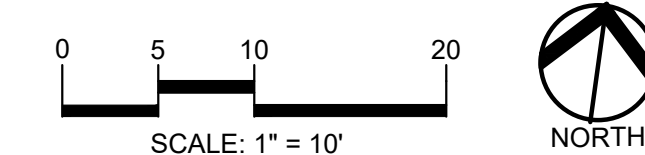


4 COURTYARD 1 - PLANTING ENLARGEMENT  
SCALE: 1" = 1'-0"

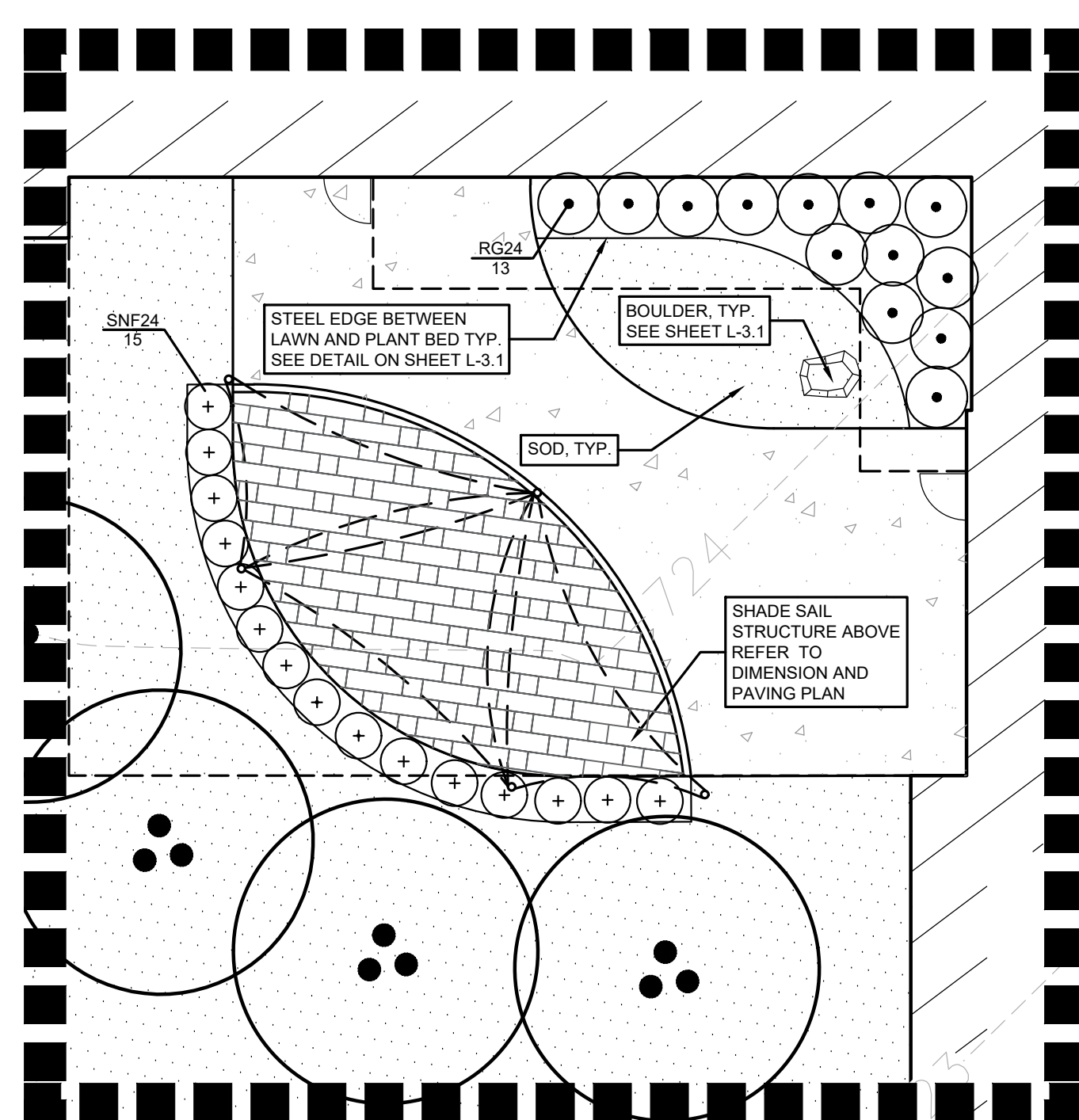


PLANT SCHEDULE COURTYARD 4

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	DESIGNATION	REMARKS
SHRUBS								
RG24	20	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	24" SPRD	CONT.	4' O.C.	NATIVE	
	20							
SUBTOTAL:								

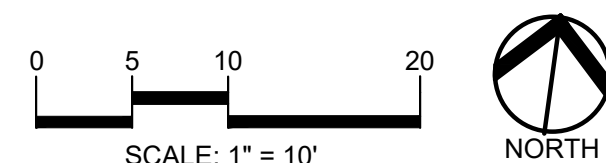


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SCALE: 1" = 1'-0"

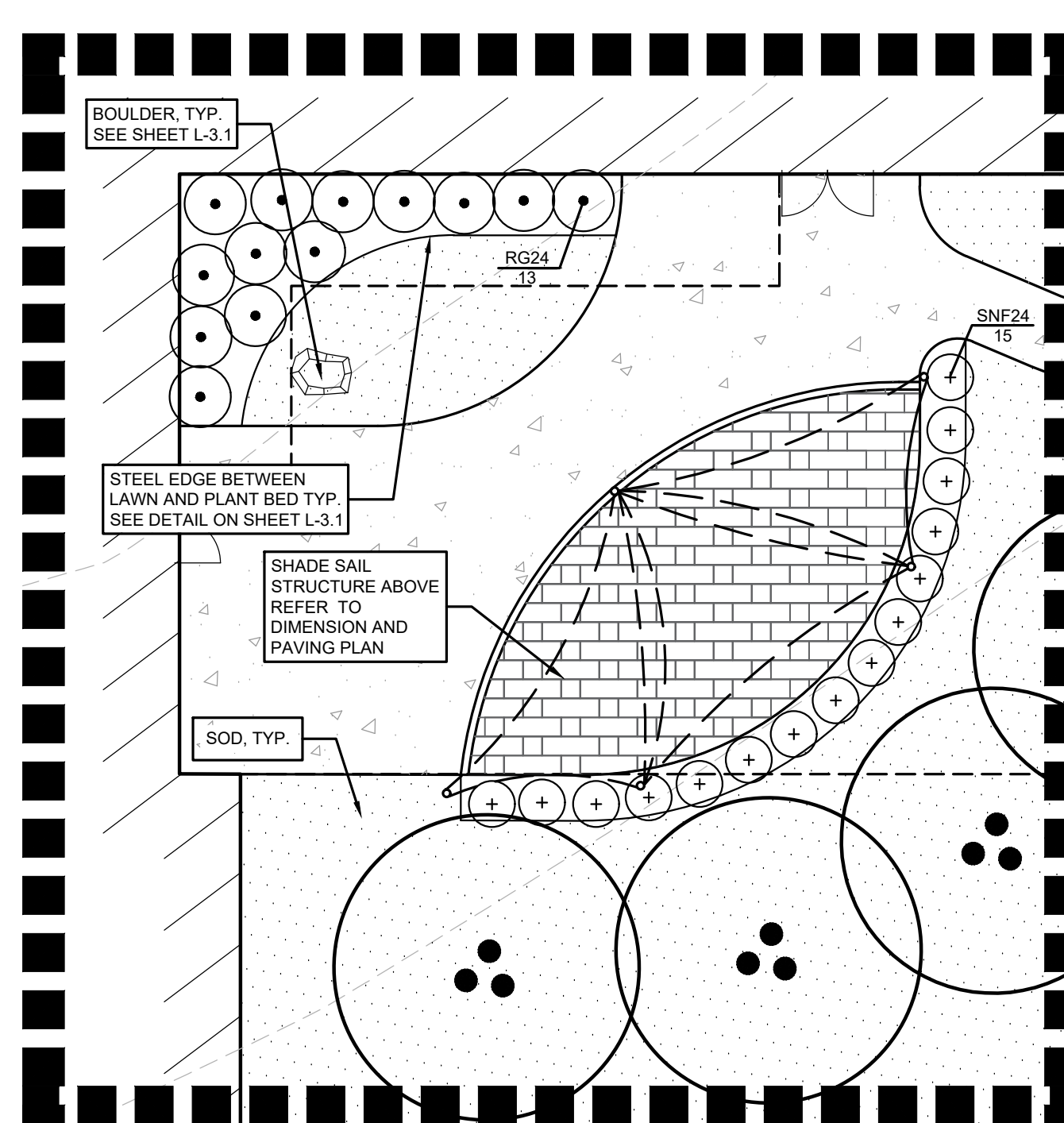


PLANT SCHEDULE COURTYARD 3

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	DESIGNATION	REMARKS
SHRUBS								
RG24	13	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	24" SPRD	CONT.	4' O.C.	NATIVE	
SNF24	15	SPIRAEA JAPONICA 'NEON FLASH'	NEON FLASH JAPANESE SPIREA	24" HT.	CONT.	36" O.C.	NON-NATIVE	
	28							
SUBTOTAL:								

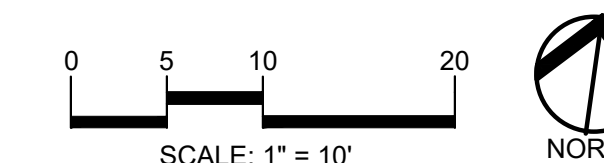


3 COURTYARD 3 - PLANTING ENLARGEMENT  
SCALE: 1" = 1'-0"



PLANT SCHEDULE COURTYARD 5

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	DESIGNATION	REMARKS
SHRUBS								
RG24	13	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	24" SPRD	CONT.	4' O.C.	NATIVE	
SNF24	15	SPIRAEA JAPONICA 'NEON FLASH'	NEON FLASH JAPANESE SPIREA	24" HT.	CONT.	36" O.C.	NON-NATIVE	
	28							
SUBTOTAL:								



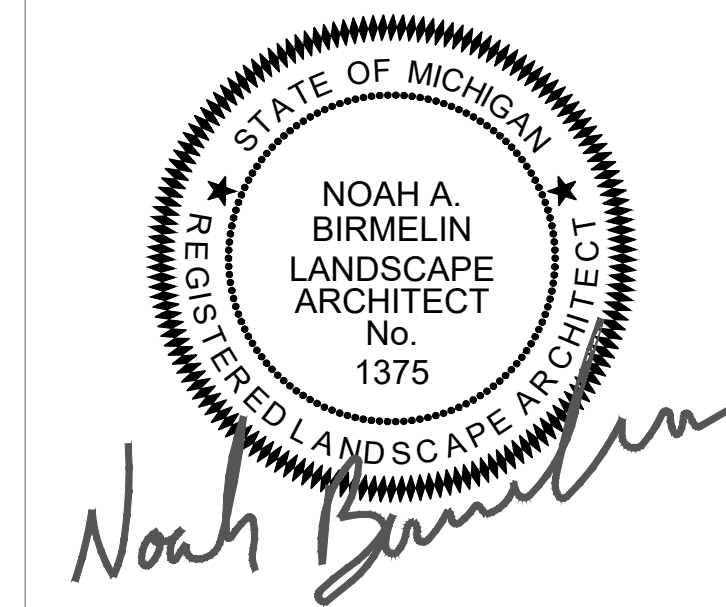
1 COURTYARD 5 - PLANTING ENLARGEMENT  
SCALE: 1" = 1'-0"

- NOTES:
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  - REFER TO SHEETS L-3.1 & L-3.2 FOR TYPICAL DETAILS.
  - REFER TO SHEETS L-4.1 & L-4.2 FOR SPECIFICATIONS.



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CONSULTANT

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t 844.813.2949  
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PROJECT TITLE  
**New Smith Middle School Bid Package No. 03C**

Troy School District  
Troy, Michigan

DRAWING TITLE

LANDSCAPE PLAN ENLARGEMENTS

ISSUE DATES

DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS

PROJECT NO.  
**22102**  
DRAWING NO.  
**L-2.2**



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Date: 06/18/2024 2:25pm







STRUCTURAL GENERAL NOTES

GENERAL

- 1. THIS BUILDING HAS BEEN DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MICHIGAN BUILDING CODE, 2015 EDITION.
2. THE OWNER WILL EMPLOY QUALIFIED SPECIAL INSPECTORS TO PERFORM INSPECTIONS IN ACCORDANCE WITH CHAPTER 17 OF THE MICHIGAN BUILDING CODE...

- 3. WHEN "PROFESSIONAL ENGINEER" IS REFERRED TO IN THE FOLLOWING NOTES, IT DENOTES A LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MICHIGAN...
4. THE CONTRACTOR SHALL VISIT THE SITE TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS...

DIVISION 2 - DEMOLITION SHORING

- 1. CONTRACTOR SHALL PROVIDE ALL NECESSARY SHORING WHERE REQUIRED DURING CONSTRUCTION. SHORING SHALL BE DESIGNED & DETAILED UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER...
2. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ERECTION PROCEDURE AND SEQUENCING AND TO SUBMIT WRITTEN PROCEDURES TO ENSURE THE SAFETY OF THE STRUCTURE...

DIVISION 3 - CONCRETE

- 1. THE LATEST REVISION OF THE FOLLOWING CODES GOVERN THE DESIGN, DETAILING, FABRICATION AND CONSTRUCTION OF ALL REINFORCED CONCRETE.
A. AMERICAN CONCRETE INSTITUTE (ACI) ACI 318, BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.
2. REINFORCING STEEL SHALL CONFORM TO THE FOLLOWING ASTM MATERIAL SPECIFICATIONS...

DIVISION 3 - COMPOSITE FLOOR

- 1. SHEAR CONNECTORS ARE 3/4" ASTM A108, GRADE 1015 HEADED STUDS. STUD LENGTH SHALL BE AS REQUIRED TO PROVIDE 1 1/2" PROJECTION ABOVE DECK. STUDS SHALL RESIST TENSILE LOADS BY THE DECKING TO THE SUPPORTING STEEL...
2. REFER TO TYPICAL DETAILS FOR STUD SPACING.
3. TEST STUD ATTACHMENT TO BEAMS PER AWS D1.1, BUT NOT LESS THAN THE FOLLOWING...

DIVISION 4 - MASONRY

- 1. THE LATEST REVISION OF THE FOLLOWING CODES GOVERN THE DESIGN, DETAILING AND CONSTRUCTION OF ALL MASONRY.
A. THE MASONRY SOCIETY (TMS) TMS 402, BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES.
2. ALL MASONRY SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF Fm = 2250 PSI...

DIVISION 5 - STRUCTURAL STEEL

- 1. THE LATEST REVISION OF THE FOLLOWING CODES GOVERN THE DESIGN, DETAILING, FABRICATION AND ERECTION OF ALL STRUCTURAL STEEL.
A. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) AISC 360, SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS.
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM MATERIAL SPECIFICATIONS...
3. ALL WELDING SHALL BE PERFORMED USING THE ELECTRIC ARC METHOD IN ACCORDANCE WITH THE LATEST REVISION OF THE AMERICAN WELDING SOCIETY (AWS) D1.1...

DIVISION 5 - STEEL DECK

- 1. THE LATEST REVISION OF THE FOLLOWING CODES GOVERN THE DESIGN, DETAILING, MANUFACTURING AND ERECTION OF STEEL DECK.
A. STEEL DECK INSTITUTE (SDI) MDC3, MANUAL OF CONSTRUCTION WITH STEEL DECK.
2. ALL FLOOR DECK SHALL BE AS FOLLOWS:
A. ALL FLOOR DECK SHALL BE 2" DEEP, 20 GA. WIDE RIB GALVANIZED DECK 2.0VL BY VULCRRAFT OR APPROVED EQUAL...

DIVISION 5 - STEEL JOIST

- 1. THE LATEST REVISION OF THE FOLLOWING CODES GOVERN THE DESIGN, DETAILING, FABRICATION AND ERECTION OF STEEL JOISTS AND JOIST GIRDERS.
A. STEEL JOIST INSTITUTE (SJI) SJI-K, STANDARD SPECIFICATION FOR OPEN WEB STEEL JOISTS, K-SERIES.
2. ONLY STEEL JOISTS AND JOIST GIRDERS FROM A STEEL JOIST INSTITUTE APPROVED FABRICATOR WILL BE ACCEPTABLE...

DIVISION 5 - COLD FORMED METAL FRAMING

- 1. THE LATEST REVISION OF THE FOLLOWING CODES GOVERN THE DESIGN, DETAILING, FABRICATION AND ERECTION OF COLD FORMED METAL FRAMING.
A. AMERICAN IRON AND STEEL INSTITUTE (AISI) AISI S200, NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING - GENERAL PROVISIONS.
2. COLD FORMED STEEL SHALL CONFORM TO THE FOLLOWING ASTM MATERIAL SPECIFICATIONS...
3. ALL FREE EDGES OF METAL DECK SHALL BE SUPPORTED WITH AN EDGE ANGLE 1/3x3/16 OR OTHER SUITABLE SUPPORT...

DIVISION 31 - FOUNDATIONS/BACKFILL

- 1. CONTRACTOR SHALL REVIEW A COPY OF THE GEOTECHNICAL REPORT PREPARED BY G2 CONSULTING GROUP DATED 03/12/2024.
2. FOUNDATIONS ARE DESIGNED FOR A MAXIMUM ALLOWABLE BEARING CAPACITY OF 3000 PSF FOR A PORTION OF THE STRUCTURE...
3. THE OWNER WILL RETAIN THE SERVICES OF A GEOTECHNICAL ENGINEER TO MONITOR THE FOUNDATION WORK AND DETERMINE THE QUALITY OF THE SOIL AT ALL FOOTING LOCATIONS...

DESIGN CRITERIA

MICHIGAN BUILDING CODE 2015 (ASCE 7-10) RISK CATEGORY III.

Table with 2 columns: ROOF DEAD LOADS and values. Includes EPDM, POLYISO INSULATION, STEEL DECK, CEILING, STRUCTURAL STEEL, MECHANICAL AND ELECTRICAL, FIRE SUPPRESSION, MISCELLANEOUS, TOTAL.

Table with 2 columns: 2ND FLOOR DEAD LOADS and values. Includes 5" N.W. CONCRETE ON 2" METAL DECK, FLOORING, CEILING, STRUCTURAL STEEL, MECHANICAL AND ELECTRICAL, FIRE SUPPRESSION, TOTAL.

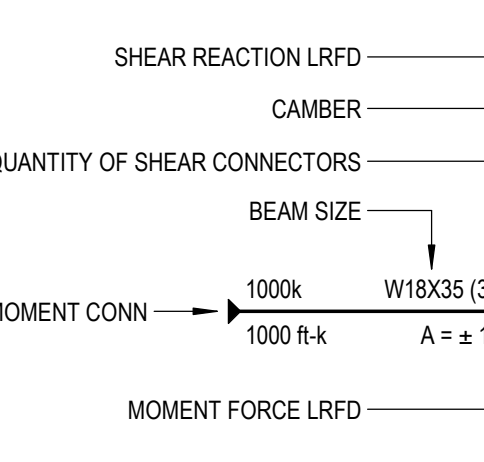
Table with 2 columns: 2ND FLOOR LIVE LOADS and values. Includes CORRIDORS, FLOORS, STORAGE ROOM.

Table with 2 columns: ROOF LIVE LOADS and values. Includes MINIMUM LOAD, METAL STAIR, LIVE LOAD DEFLECTION.

Table with 2 columns: SNOW LOADS and values. Includes IMPORTANCE FACTOR, GROUND SNOW LOAD, SNOW EXPOSURE FACTOR, THERMAL FACTOR, FLAT USE SNOW, MINIMUM SNOW LOAD, SNOW DRIFT PER ASCE 7.

Table with 2 columns: WIND LOADS and values. Includes BASIC WIND SPEED, EXPOSURE CATEGORY, COMPONENTS AND CLADDING PER ASCE 7.

Table with 2 columns: SEISMIC DESIGN DATA and values. Includes SITE CLASS, RESPONSE COEFFICIENTS, SEISMIC DESIGN CATEGORY.



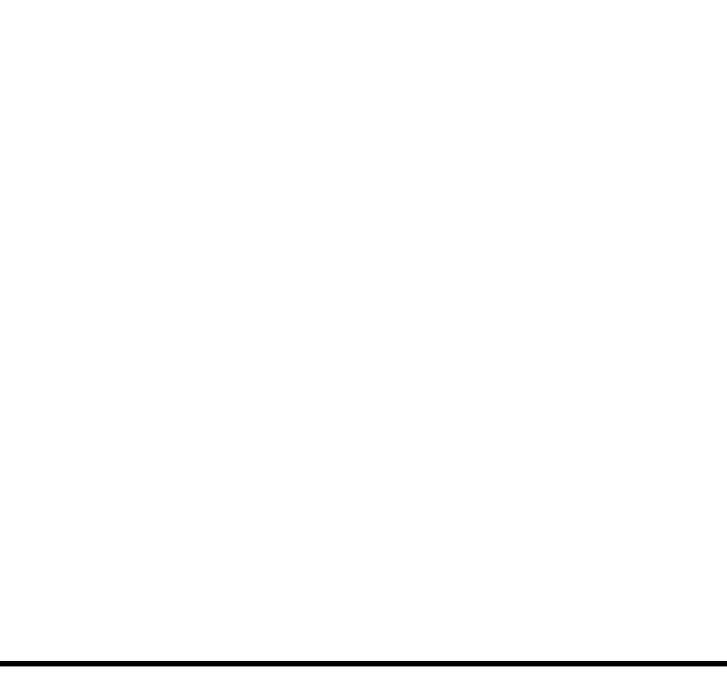
NOTE: SHEAR CONNECTORS FOR COMPOSITE BEAMS SHALL BE 3/4" O X 3 1/2" LONG. LENGTH INDICATED SHALL BE THE FINAL LENGTH AFTER WELDING. SEE TYPICAL DETAILS FOR PLACEMENT.

ABBREVIATIONS

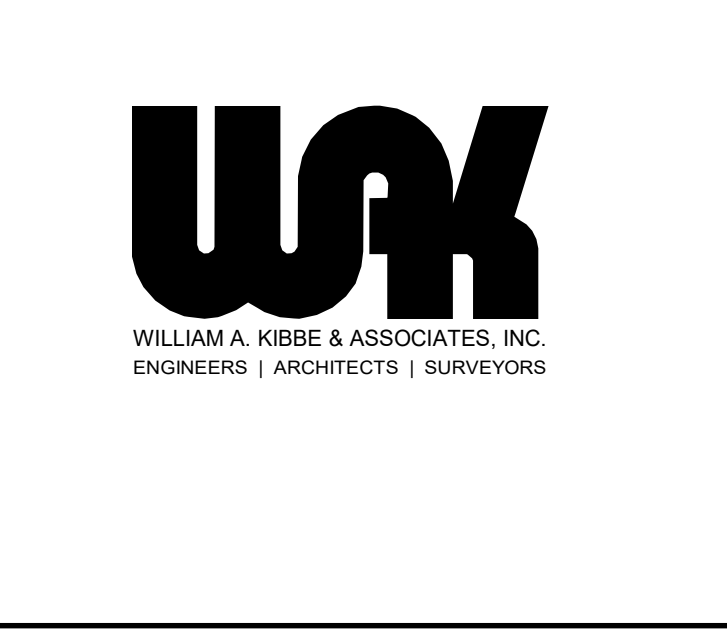
Table listing abbreviations and their meanings: AT ANCHOR BOLT, ADOL ADDITIONAL, A.F.F. ABOVE FINISHED FLOOR, B.C. BOTTOM CHORD, B.O. BOTTOM OF, B.O.D. BOTTOM OF DECK, B.O.F. BOTTOM OF FOOTING, B.O.S. BOTTOM OF STEEL, B.O.T. BOTTOM OF TRUSS, B.S. BOTH SIDES, BM BEAM, BOIT BOTTOM, BRG BRACING, C.L. CENTER LINE, C.J. CONTROL JOINT, COL COLUMN, CONC CONCRETE, CONT CONTINUOUS, CONS CONSTRUCTION JOINT, DET DETAIL, DIA DIAMETER, DWG DRAWING, DIM DIMENSION, DL DEAD LOAD, DWG DRAWING, EA EACH, ELEV ELEVATION, EQ EQUAL, EX EXISTING, F.S. FAR SIDE, F.F. FIELD VERIFY, FIN FINISH, FLG FLANGE, H.P. HIGH POINT, HORIZ HORIZONTAL, K KIPS, LG LOW, L.P. LOW POINT, LL LIVE LOAD, L.L.H. LONG LEG HORIZONTAL, L.L.V. LONG LEG VERTICAL, LN LINE, MAX MAXIMUM, MET METAL, MIN MINIMUM, MISG MISCELLANEOUS, N.S. NEAR SIDE, N.T.S. NOT TO SCALE, NO NUMBER, O.C. ON CENTER, OPP OPPOSITE, PC PIECE, PL PLATE, PLS PLACES, P.S.F. POUNDS PER SQUARE FOOT, PSI POUNDS PER SQUARE INCH, REF REFERENCE, REIN REINFORCED - ING. ENCH REQUIRED, SCHED SCHEDULE, SECT SECTION, SIM SIMILAR, SPA SPACES, STD STANDARD, STL STEEL, T.O. TOP OF, T.O.C. TOP OF CONCRETE, T.O.F. TOP OF FOOTING, T.O.M. TOP OF MASONRY, T.O.S. TOP OF STEEL, TYP TYPICAL, UNO UNLESS NOTED OTHERWISE, VERT VERTICAL, W.P. WORK POINT, W. WITH, WWR WELDED WIRE REINFORCEMENT.



REGISTRATION SEAL



CONSULTANT



PROJECT TITLE
NEW SMITH MIDDLE SCHOOL
Bid Package No. 03B

Troy School District
Troy, Michigan

DRAWING TITLE
Structural General Notes

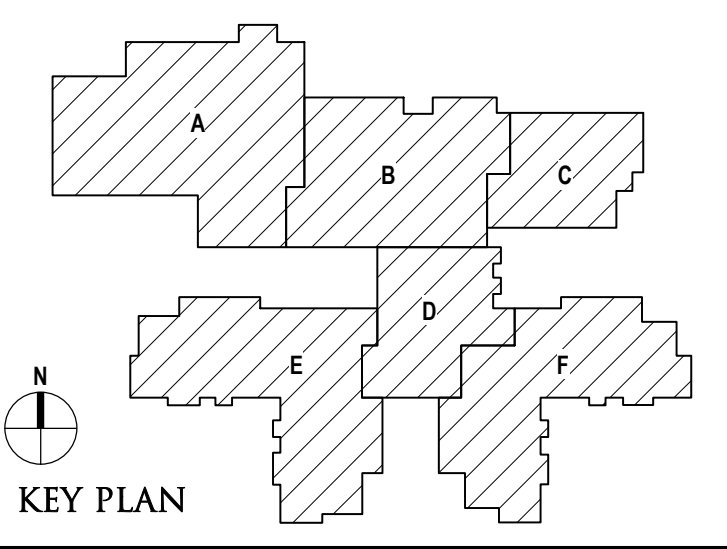


Table with 2 columns: ISSUE DATES and blank rows for recording dates.

Table with 2 columns: DRAWN, CHECKED, APPROVED and names: D. BART, B. KANNERS, E. MANNOR.

PROJECT NO.
22102
DRAWING NO.
S0.0

STATEMENT OF SPECIAL INSPECTIONS table with 1 column for inspection task and 1 column for responsible agent.

SPECIAL INSPECTION REQUIREMENTS - STRUCTURAL STEEL table with columns for inspection task, inspection frequency (continuous/periodic), referenced standard, IBC reference, and responsible agent.

SPECIAL INSPECTION REQUIREMENTS - MASONRY CONSTRUCTION table with columns for inspection task, inspection frequency (continuous/periodic), and referenced criteria.

SPECIAL INSPECTION REQUIREMENTS - SOILS AND FOUNDATIONS table with columns for inspection task, inspection frequency, referenced standard, IBC reference, and responsible agent.

SPECIAL INSPECTION REQUIREMENTS - CONCRETE CONSTRUCTION table with columns for inspection task, inspection frequency, referenced standard, IBC reference, and responsible agent.

SPECIAL INSPECTION REQUIREMENTS - POST-INSTALLED ANCHORS table with columns for inspection task, inspection frequency, referenced standard, IBC reference, and responsible agent.

SPECIAL INSPECTION REQUIREMENTS - STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL table with columns for inspection task, inspection frequency, referenced standard, IBC reference, and responsible agent.

SPECIAL INSPECTION REQUIREMENTS - OPEN WEB STEEL JOISTS AND JOIST GIRDERS table with columns for inspection task, inspection frequency, referenced standard, IBC reference, and responsible agent.

SPECIAL INSPECTION REQUIREMENTS - STRUCTURAL STEEL (continued) table with columns for inspection task, inspection frequency, referenced standard, IBC reference, and responsible agent.

SPECIAL INSPECTION REQUIREMENTS - MASONRY CONSTRUCTION (continued) table with columns for inspection task, inspection frequency, and referenced criteria.

SPECIAL INSPECTION REQUIREMENTS - STRUCTURAL STEEL (continued) table with columns for inspection task, inspection frequency, referenced standard, IBC reference, and responsible agent.

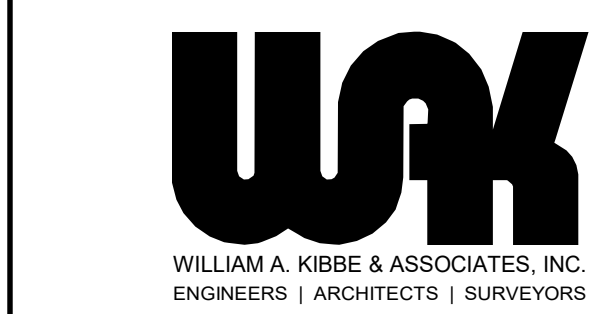
SPECIAL INSPECTION REQUIREMENTS - STRUCTURAL STEEL (continued) table with columns for inspection task, inspection frequency, referenced standard, IBC reference, and responsible agent.

(i) FREQUENCY REFERS TO THE FREQUENCY OF INSPECTION, WHICH MAY BE CONTINUOUS DURING THE TASK LISTED OR PERIODICALLY DURING THE LISTED TASK, AS DEFINED IN THE TABLE.



REGISTRATION SEAL

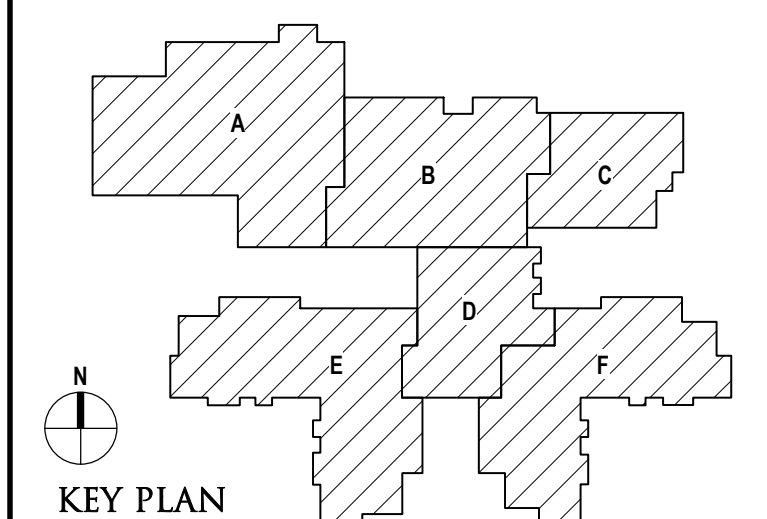
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PROJECT TITLE: NEW SMITH MIDDLE SCHOOL Bid Package No. 03B

Troy School District Troy, Michigan

DRAWING TITLE: Special Inspection Schedules



ISSUE DATES table with columns for date and issued for.

DATE ISSUED FOR table with columns for date and issued for.

DRAWN, CHECKED, APPROVED table with columns for name and role.

PROJECT NO. 22102 DRAWING NO. S0.1

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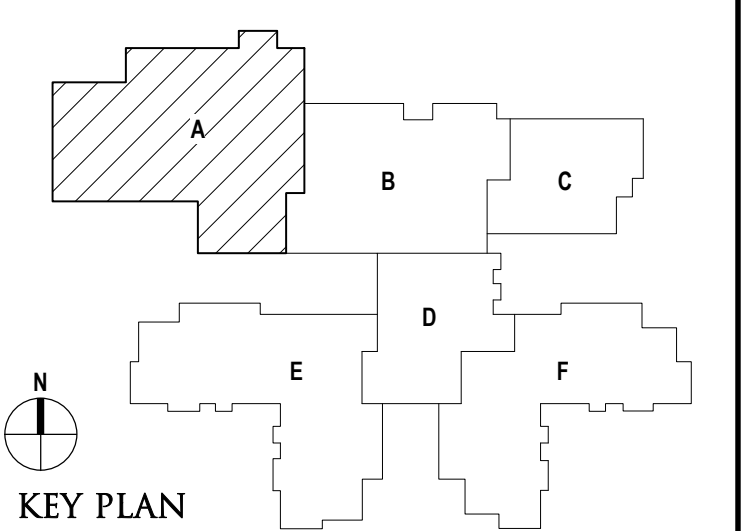


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PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03A

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Foundation Plan Zone 'A'**

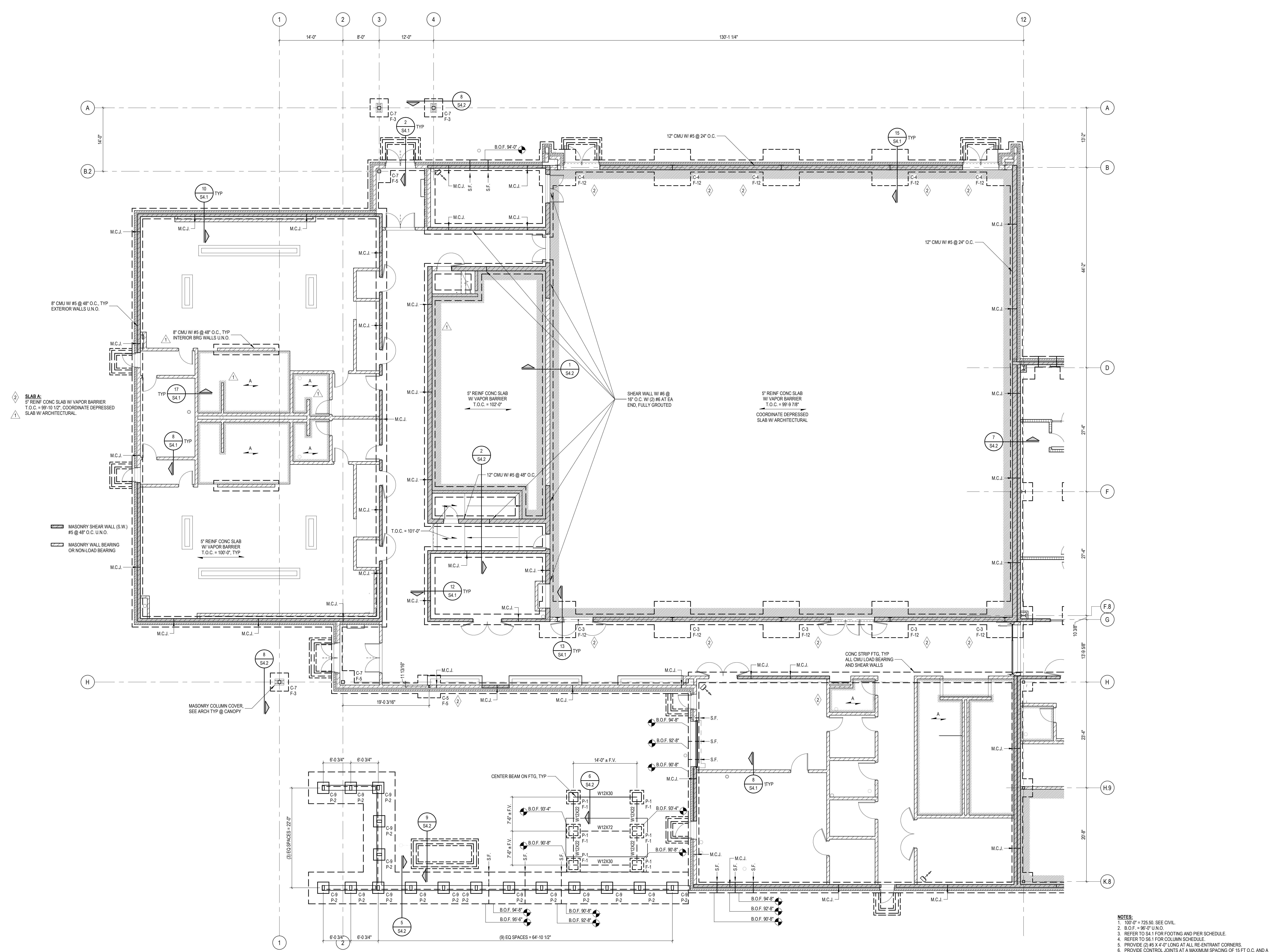


ISSUE DATES	

DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS
05-30-2024	BULLETIN NO. 1
02-28-2024	ADDENDUM NO. 2
01-23-2024	CONSTRUCTION DOCUMENTS

DRAWN: D. BART  
CHECKED: B. KANNERS  
APPROVED: E. MANNOR

PROJECT NO.  
**22102**  
DRAWING NO.  
**S1.0A**



**SLAB A:**  
5" REINF CONC SLAB W/ VAPOR BARRIER  
T.O.C. = 99'-10 1/2", COORDINATE DEPRESSED  
SLAB W/ ARCHITECTURAL.

MASONRY SHEAR WALL (S.W.)  
#5 @ 48" O.C. U.N.O.

MASONRY WALL BEARING  
OR NON-LOAD BEARING

- NOTES:**
1. 19'-0" = 725.50. SEE CIVIL.
  2. B.O.F. = 96'-0" U.N.O.
  3. REFER TO S4.1 FOR FOOTING AND PIER SCHEDULE.
  4. REFER TO S5.1 FOR COLUMN SCHEDULE.
  5. PROVIDE (2) #5 X 4'-0" LONG AT ALL RE-ENTRANT CORNERS.
  6. PROVIDE CONTROL JOINTS AT A MAXIMUM SPACING OF 15 FT O.C. AND A MAXIMUM ASPECT RATIO OF 2 TO 1. SUGGESTED CONTROL JOINT LOCATIONS WILL BE PROVIDED WITH THE ARCHITECTURAL BID PACKAGE.

**FOUNDATION PLAN - ZONE 'A'**  
SCALE: 1/8" = 1'-0"

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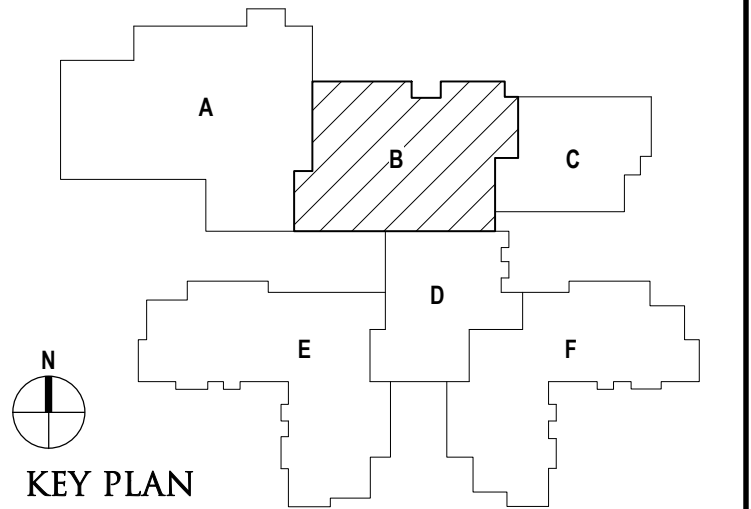
CONSULTANT



PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03A

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Foundation Plan Zone 'B'**



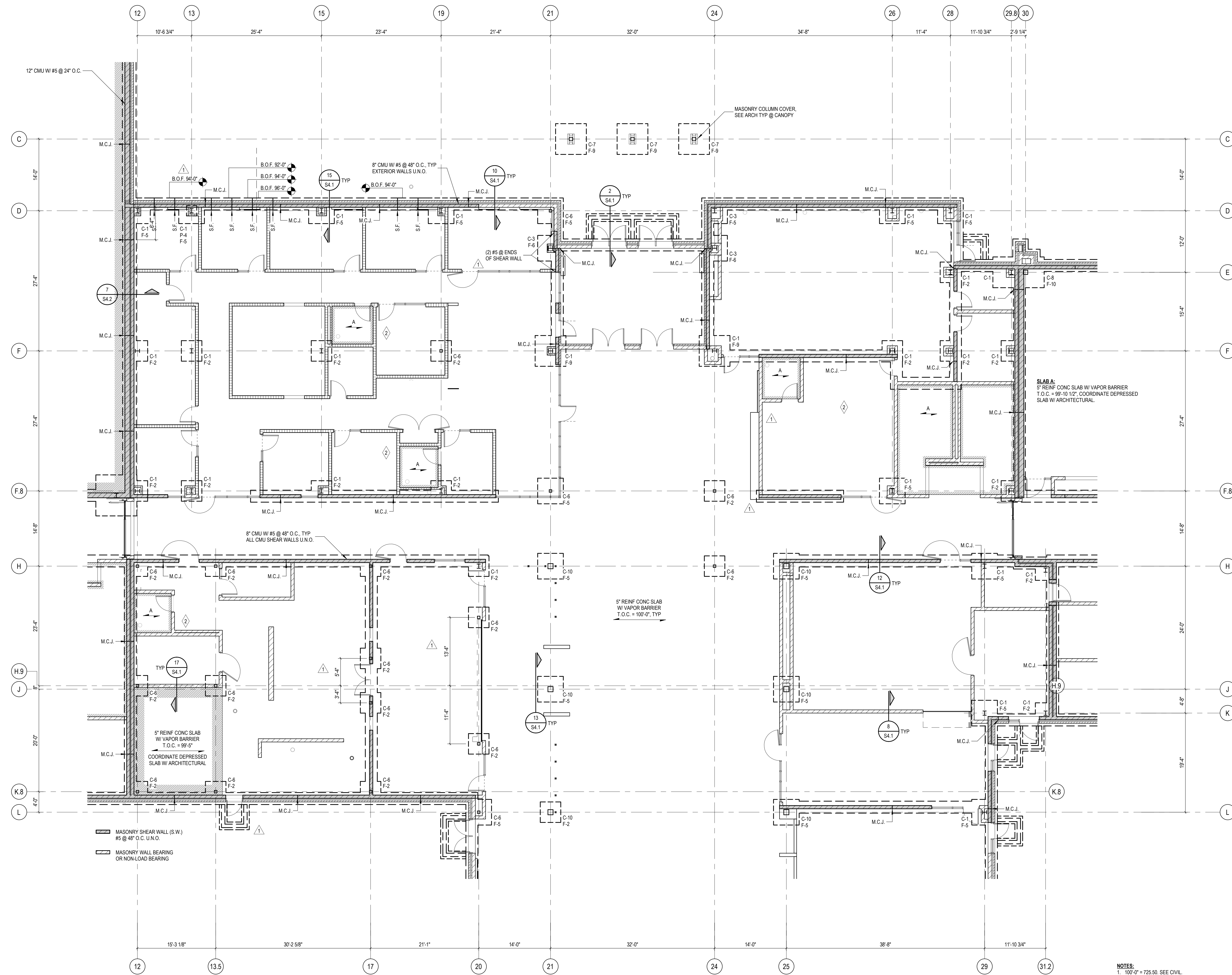
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06-18-2024	CONSTRUCTION DOCUMENTS
05-30-2024	BULLETIN NO. 1
02-08-2024	ADDENDUM NO. 2
01-23-2024	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:

DRAWN: D. BART  
CHECKED: B. KANNERS  
APPROVED: E. MANNOR

PROJECT NO.  
**22102**

DRAWING NO.  
**S1.0B**



**FOUNDATION PLAN - ZONE 'B'**  
SCALE: 1/8" = 1'-0"

- NOTES:
1. 19'-0" = 725.50. SEE CIVIL.
  2. B.O.F. = 96'-0" U.N.O.
  3. REFER TO S4.1 FOR FOOTING AND PIER SCHEDULE.
  4. REFER TO S6.1 FOR COLUMN SCHEDULE.
  5. PROVIDE (2) #5 X 4'-0" LONG AT ALL RE-ENTRANT CORNERS.
  6. PROVIDE CONTROL JOINTS AT A MAXIMUM SPACING OF 15 FT O.C. AND A MAXIMUM ASPPECT RATION OF 2 TO 1. SUGGESTED CONTROL JOINT LOCATIONS WILL BE PROVIDED WITH THE ARCHITECTURAL BID PACKAGE.

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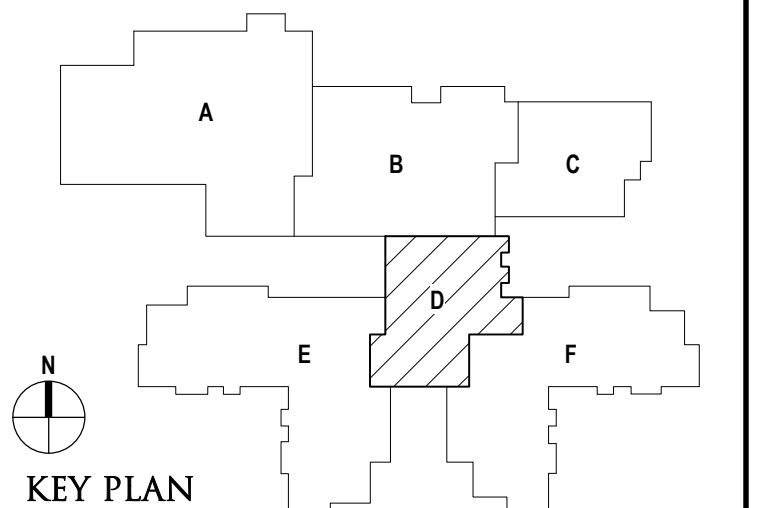
CONSULTANT



PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03A

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Foundation Plan Zone 'D'**



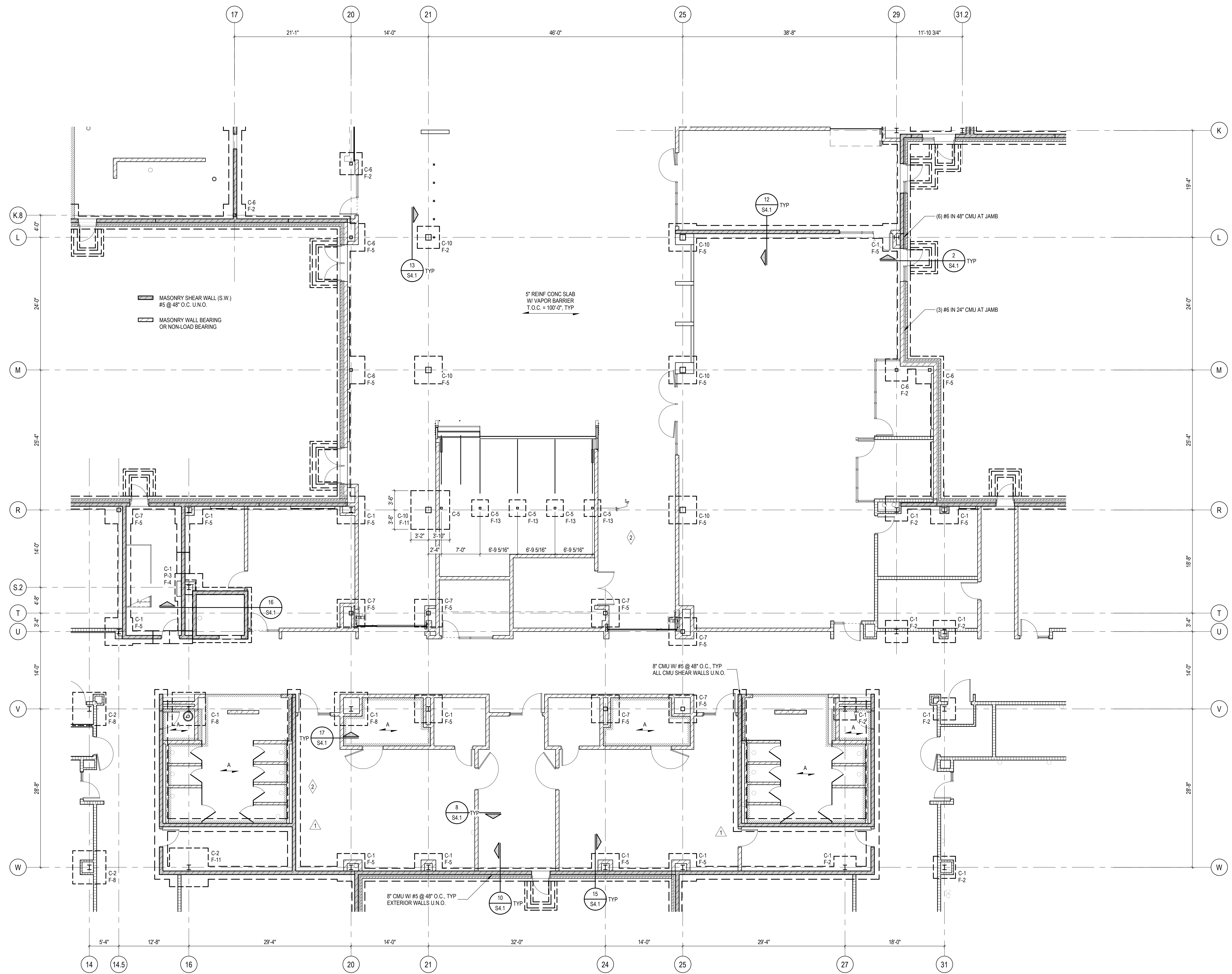
ISSUE DATES

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06-18-2024	CONSTRUCTION DOCUMENTS
05-30-2024	BULLETIN NO. 1
02-28-2024	ADDENDUM NO. 2
01-23-2024	CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN	D. BART
CHECKED	B. KANNERS
APPROVED	E. MANNOR

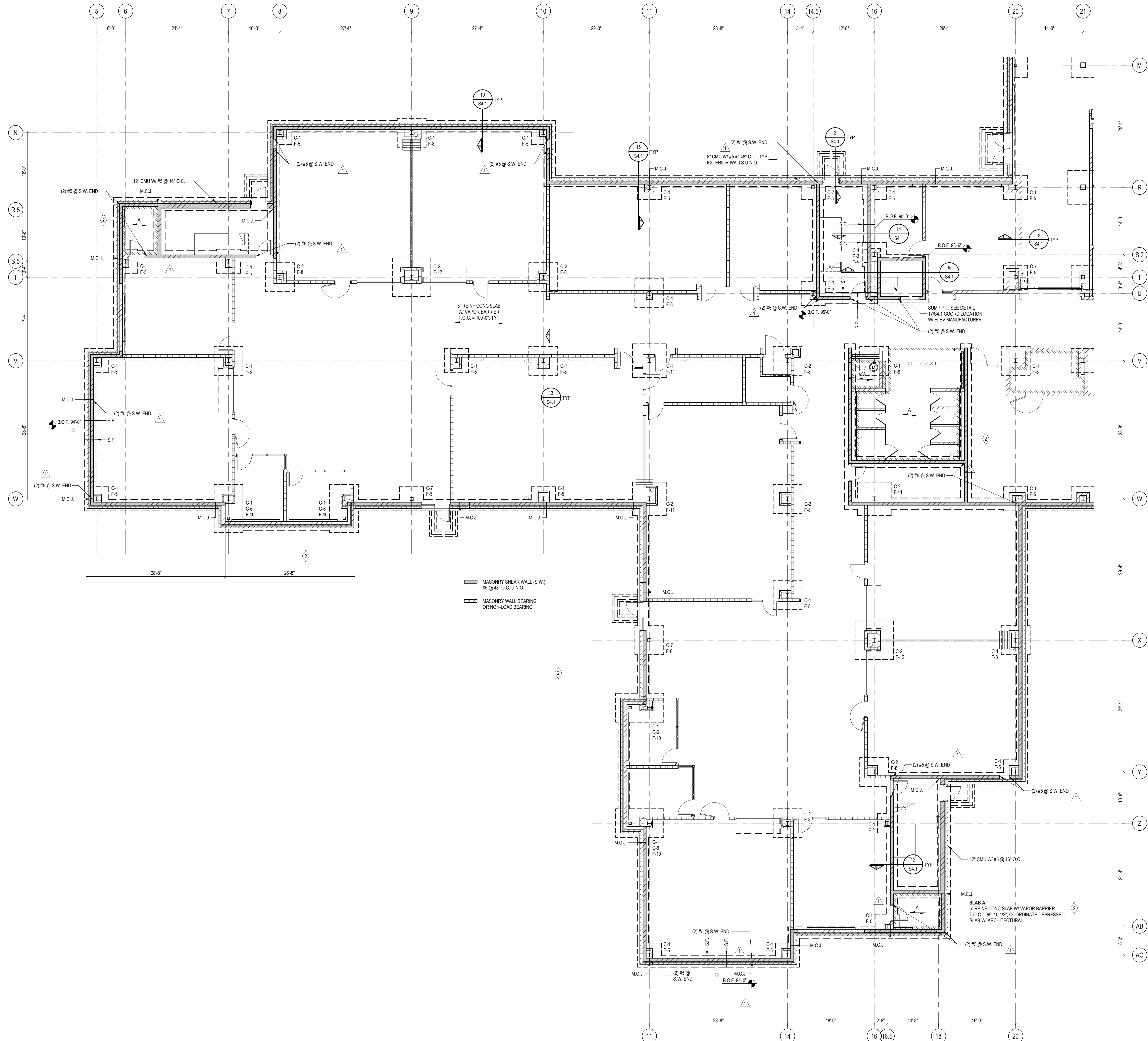
PROJECT NO.  
**22102**  
DRAWING NO.  
**S1.0D**



**SLAB A:**  
5" REINF CONC SLAB W/ VAPOR BARRIER  
T.O.C. = 99'-10 1/2", COORDINATE DEPRESSED  
SLAB W/ ARCHITECTURAL

**FOUNDATION PLAN - ZONE 'D'**  
SCALE: 1/8" = 1'-0"

NOTES:  
1. 193'-0" = 725.50, SEE CIVIL  
2. B.O.F. = 96'-0" U.N.O.  
3. REFER TO S4.1 FOR FOOTING AND PIER SCHEDULE.  
4. REFER TO S6.1 FOR COLUMN SCHEDULE.  
5. PROVIDE (2) #5 X 4'-0" LONG AT ALL RE-ENTRANT CORNERS.  
6. PROVIDE CONTROL JOINTS AT A MAXIMUM SPACING OF 15 FT O.C. AND A MAXIMUM ASPECT RATION OF 2 TO 1. SUGGESTED CONTROL JOINT LOCATIONS WILL BE PROVIDED WITH THE ARCHITECTURAL BID PACKAGE.



**FOUNDATION PLAN - ZONE 'E'**  
SCALE: 1/8" = 1'-0"

**NOTES:**  
 1. 193'-0" = 725.50, SEE CIVIL  
 2. B.O.F. = 96'-0" U.O.  
 3. REFER TO S4.1 FOR FOOTING AND PIER SCHEDULE.  
 4. REFER TO S5.1 FOR COLUMN SCHEDULE.  
 5. PROVIDE (2) #5 X 4'-0" LONG AT ALL RE-ENTRANT CORNERS.  
 6. PROVIDE CONTROL JOINTS AT A MAXIMUM SPACING OF 15 FT O.C. AND A MAXIMUM ASPECT RATIO OF 2 TO 1. SUGGESTED CONTROL JOINT LOCATIONS WILL BE PROVIDED WITH THE ARCHITECTURAL BID PACKAGE.



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REGISTRATION SEAL

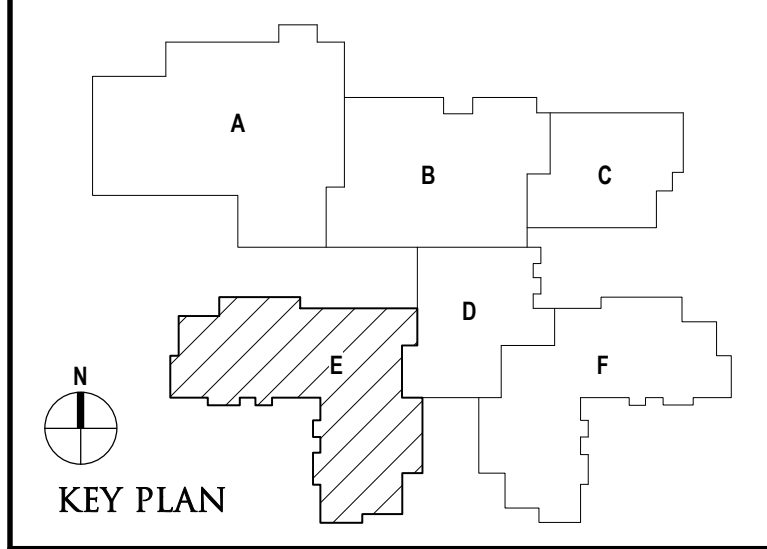
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PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
 Bid Package No. 03A

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Foundation Plan Zone 'E'**



ISSUE DATES

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01-23-2024	CONSTRUCTION DOCUMENTS

DATE	ISSUED FOR:

DRAWN	D. BART
CHECKED	B. KANNERS
APPROVED	E. MANNOR

PROJECT NO.  
**22102**  
 DRAWING NO.  
**S1.0E**





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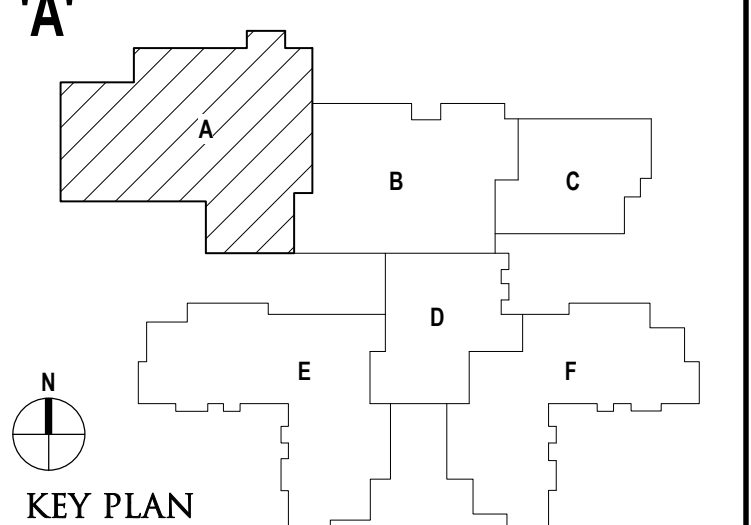


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ENGINEERS | ARCHITECTS | SURVEYORS

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Low Roof Framing Plan Zone 'A'**



ISSUE DATES

DATE	ISSUED FOR:
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01-23-2024	CONSTRUCTION DOCUMENTS

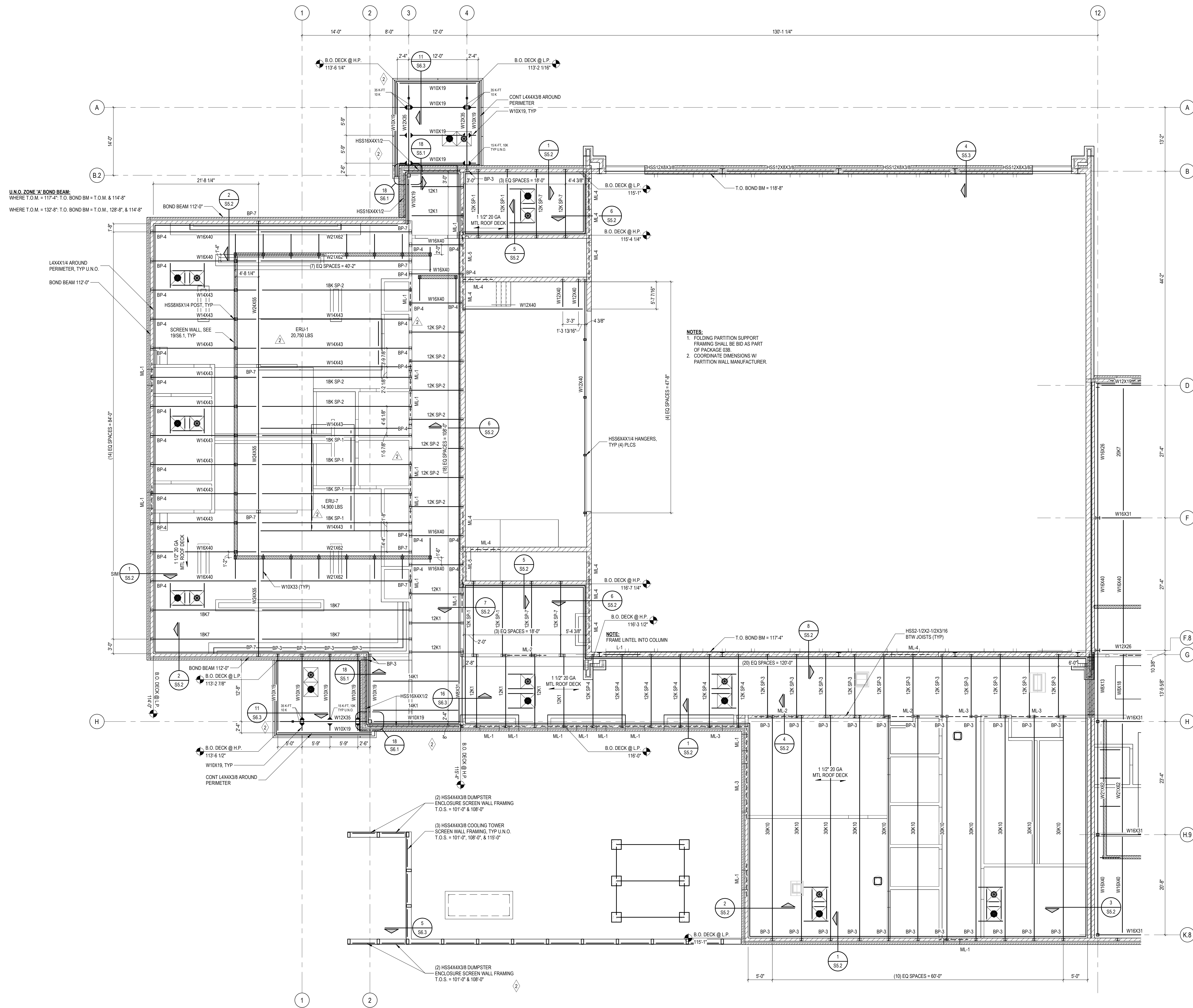
DRAWN	D. BART
CHECKED	B. KANNERS
APPROVED	E. MANNOR

PROJECT NO.

**22102**

DRAWING NO.

**S1.2A**



NOTES:  
1. FOLDING PARTITION SUPPORT FRAMING SHALL BE BID AS PART OF PACKAGE 03B.  
2. COORDINATE DIMENSIONS WITH PARTITION WALL MANUFACTURER.

U.N.O. ZONE 'A' BOND BEAM:  
WHERE T.O.M. = 117'-4"; T.O. BOND BM = T.O.M. & 114'-8"  
WHERE T.O.M. = 132'-8"; T.O. BOND BM = T.O.M., 128'-8", & 114'-8"

**LRFD SHEAR REACTIONS**

SIZE	SIZE
W8	15 KIPS
W10	15 KIPS
W12	25 KIPS
W14	25 KIPS
W16	40 KIPS
W18	50 KIPS
W21	55 KIPS
W24	65 KIPS

NOTE:  
DESIGN ALL SHEAR CONNECTIONS FOR LOADS IN ABOVE TABLE U.N.O.

NOTES:  
1. SEE S5.1 FOR TYPICAL LOOSE LINTEL SCHEDULE U.N.O., SEE ARCH FOR OPENING SIZES AND LOCATIONS.  
2. SEE S5.1 FOR TYPICAL MASONRY LINTEL SCHEDULE U.N.O., SEE ARCH FOR OPENING SIZES AND LOCATIONS.  
3. JOIST MANUFACTURER SHALL DESIGN ALL JOIST / BRIDGING FOR A NET UFT PER UFT DIAGRAMS, SEE S3.1.  
4. REFER TO S3.1 FOR SPECIAL JOIST LOAD DIAGRAMS.  
5. SEE DRAWING S3.1 FOR ROOF DECK ATTACHMENT DETAIL.  
6. # INDICATES MOMENT CONNECTION DESIGN CONNECTION FOR LOADS SHOWN, LOADS ARE IN LRFD.  
7. SEE 418.1 FOR TYP RTU SUPPORT FRAME, COORDINATE ALL RTU AND OPENING DIMENSIONS WITH MECHANICAL.  
8. SEE S6.1 FOR COLUMN AND BEARING PLATE SCHEDULES.

**LOW ROOF FRAMING PLAN - ZONE 'A'**  
SCALE: 1/8" = 1'-0"

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REGISTRATION SEAL

CONSULTANT

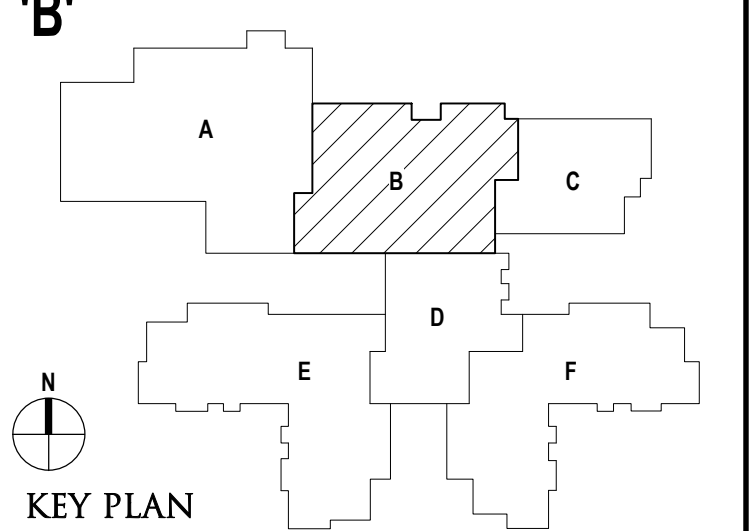


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ENGINEERS | ARCHITECTS | SURVEYORS

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Low Roof Framing Plan Zone  
'B'**



ISSUE DATES

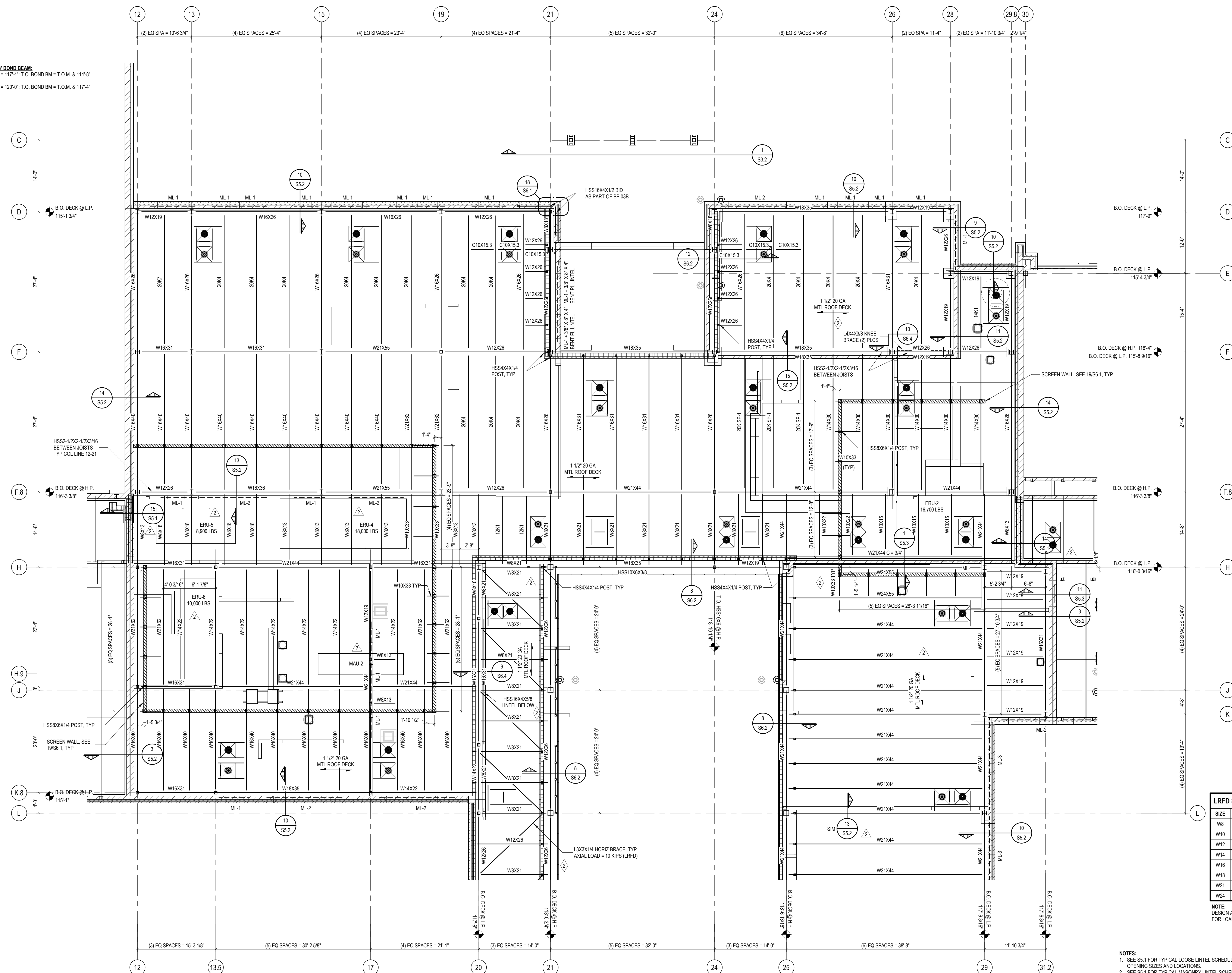
DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS
05-30-2024	BULLETIN NO. 1
02-28-2024	ADDENDUM NO. 2
01-23-2024	CONSTRUCTION DOCUMENTS

DRAWN: D. BART  
CHECKED: B. KANNERS  
APPROVED: E. MANNOR

PROJECT NO.  
**22102**

DRAWING NO.  
**S1.2B**

U.N.O. ZONE 'B' BOND BEAM:  
WHERE T.O.M. = 117'-4"; T.O. BOND BM = T.O.M. + 114'-8"  
WHERE T.O.M. = 120'-0"; T.O. BOND BM = T.O.M. + 117'-4"



**LRFD SHEAR REACTIONS**

SIZE	SIZE
W8	15 KIPS
W10	15 KIPS
W12	25 KIPS
W14	40 KIPS
W16	50 KIPS
W21	55 KIPS
W24	65 KIPS

NOTE: DESIGN ALL SHEAR CONNECTIONS FOR LOADS IN ABOVE TABLE U.N.O.

- NOTES:**
- SEE S5.1 FOR TYPICAL LOOSE LINTEL SCHEDULE U.N.O., SEE ARCH FOR OPENING SIZES AND LOCATIONS.
  - SEE S5.1 FOR TYPICAL MASONRY LINTEL SCHEDULE U.N.O., SEE ARCH FOR OPENING SIZES AND LOCATIONS.
  - JOIST MANUFACTURER SHALL DESIGN ALL JOIST / BRIDGING FOR A NET UPLIFT PER UPLIFT DIAGRAMS, SEE S3.1.
  - REFER TO S3.1 FOR SPECIAL JOIST LOAD DIAGRAMS.
  - SEE DRAWING S3.1 FOR ROOF DECK ATTACHMENT DETAIL.
  - ◆ INDICATES MOMENT CONNECTION. DESIGN CONNECTION FOR LOADS SHOWN. LOADS ARE IN LRFD.
  - SEE 438.1 FOR TYP RTU SUPPORT FRAME. COORDINATE ALL RTU AND OPENING DIMENSIONS WITH MECHANICAL.
  - SEE S6.1 FOR COLUMN AND BEARING PLATE SCHEDULES.

**LOW ROOF FRAMING PLAN - ZONE 'B'**  
SCALE: 1/8" = 1'-0"



REGISTRATION SEAL

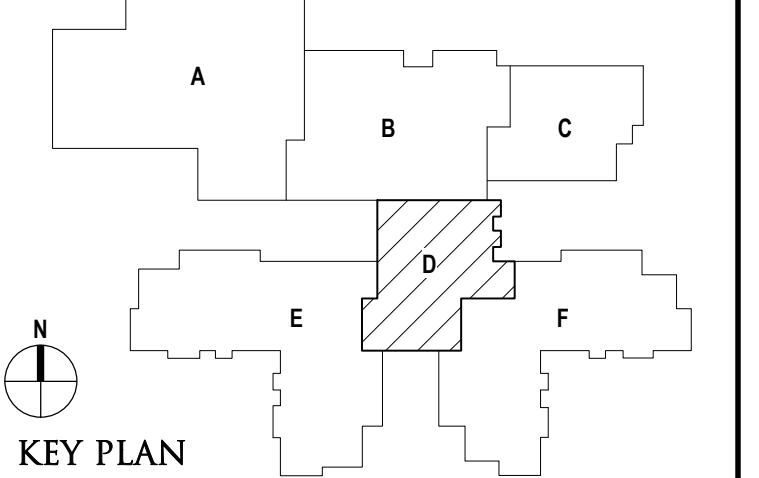
CONSULTANT



PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Second Floor / Low Roof Framing Plan Zone 'D'**



ISSUE DATES

06-18-2024	CONSTRUCTION DOCUMENTS
05-30-2024	BULLETIN NO. 1
02-08-2024	ADDENDUM NO. 2
01-23-2024	CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN: D. BART

CHECKED: B. KANNERS

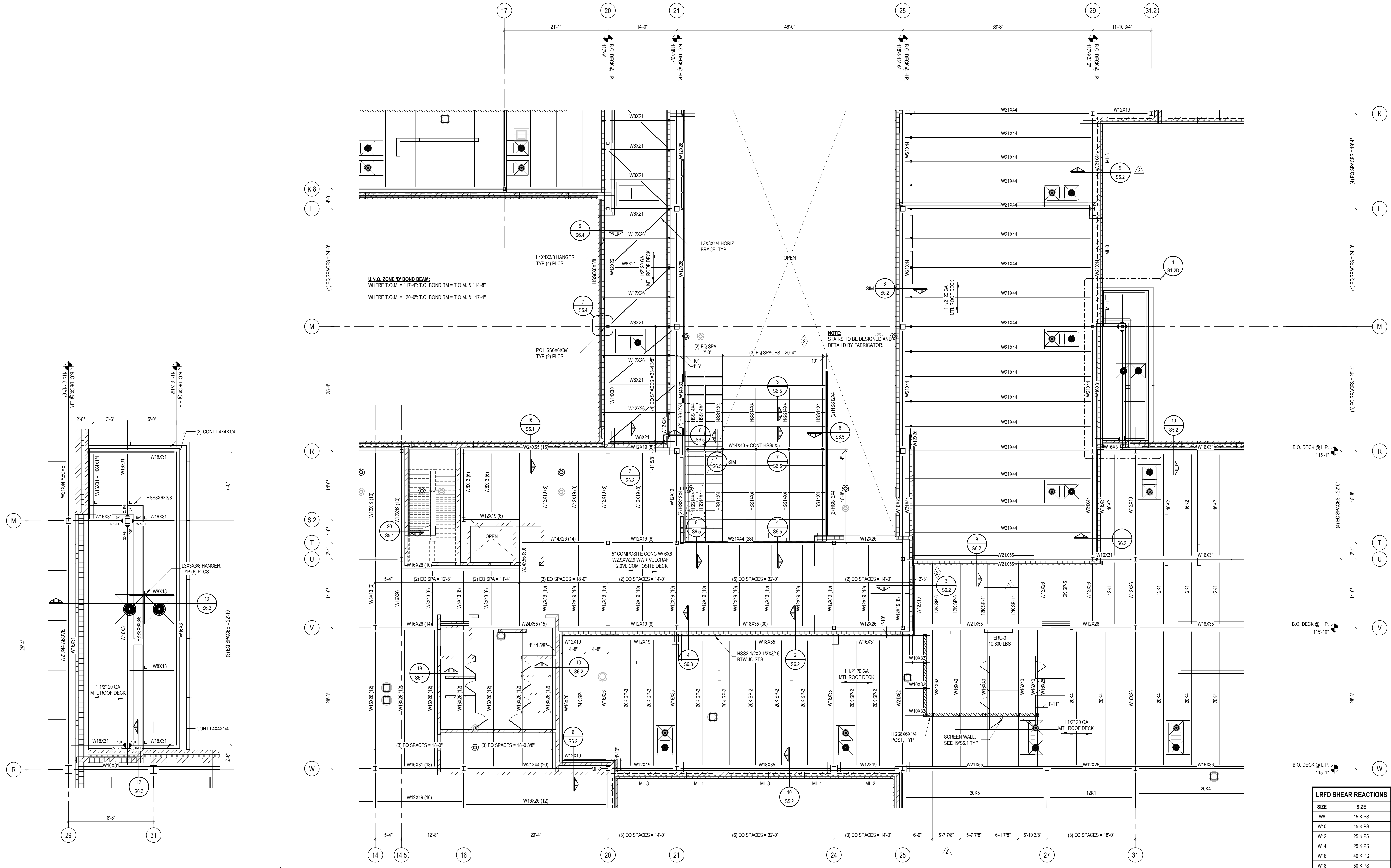
APPROVED: E. MANNOR

PROJECT NO.

**22102**

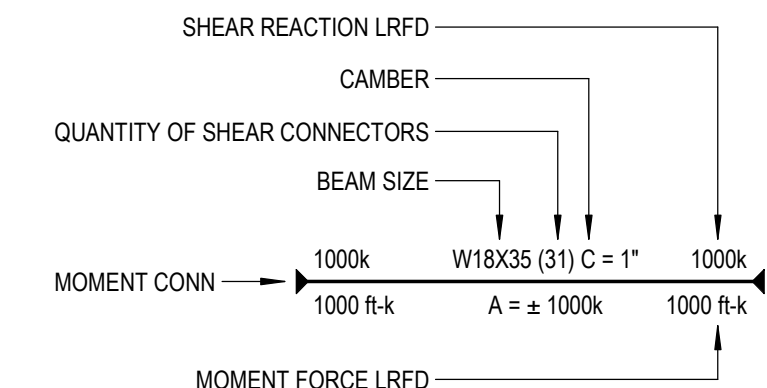
DRAWING NO.

**S1.2D**



**1** FRAMING PLAN - ZONE 'D'  
S1.2D  
SCALE: 1/8" = 1'-0"

SECOND FLOOR / LOW ROOF FRAMING PLAN - ZONE 'D'  
SCALE: 1/8" = 1'-0"



NOTE: SHEAR CONNECTORS FOR COMPOSITE BEAMS SHALL BE 3/4" X 3 1/2" LONG. LENGTH INDICATED SHALL BE THE FINAL LENGTH AFTER WELDING. SEE TYPICAL DETAILS FOR PLACEMENT.

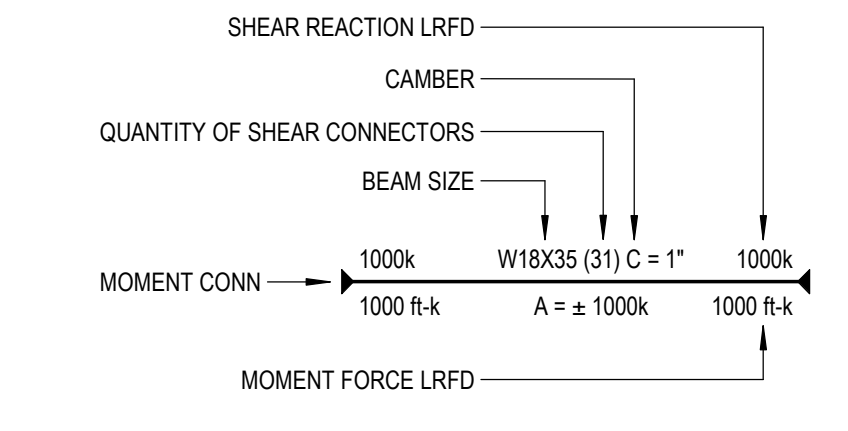
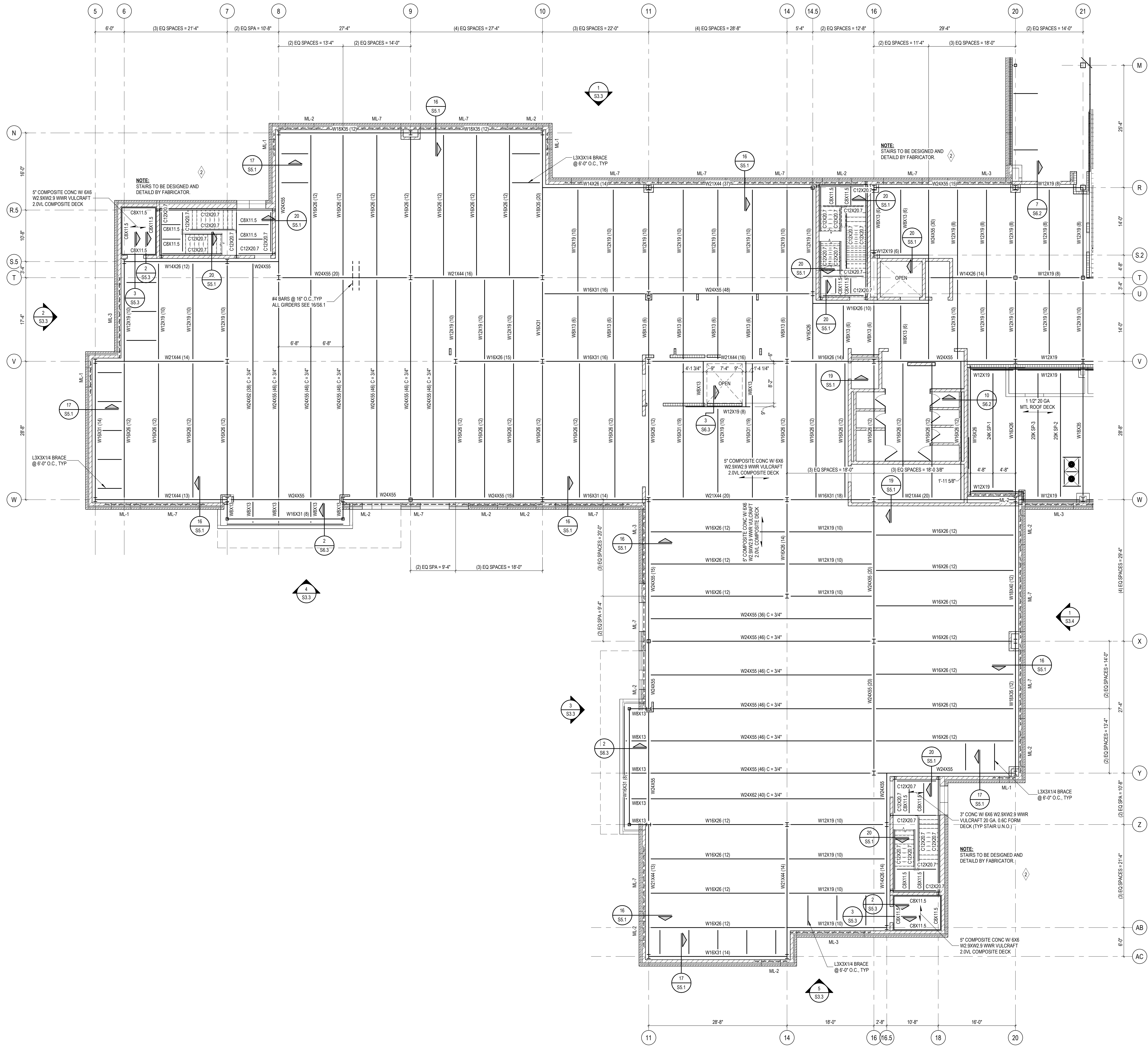
- NOTES:**
- SEE S5.1 FOR TYPICAL LOOSE LINTEL SCHEDULE U.N.O., SEE ARCH FOR OPENING SIZES AND LOCATIONS.
  - SEE S5.1 FOR TYPICAL MASONRY LINTEL SCHEDULE U.N.O., SEE ARCH FOR OPENING SIZES AND LOCATIONS.
  - JOIST MANUFACTURER SHALL DESIGN ALL JOIST / BRIDGING FOR A NET UFT PER UFT DIAGRAMS. SEE S3.1.
  - REFER TO S3.1 FOR SPECIAL JOIST LOAD DIAGRAMS.
  - SEE DRAWING S3.1 FOR ROOF DECK ATTACHMENT DETAIL.
  - # INDICATES MOMENT CONNECTION. DESIGN CONNECTION FOR LOADS SHOWN. LOADS ARE IN LRFD.
  - SEE 458.1 FOR TYP RTU SUPPORT FRAME. COORDINATE ALL RTU AND OPENING DIMENSIONS WITH MECHANICAL.
  - SEE S6.1 FOR COLUMN AND BEARING PLATE SCHEDULES.

**LRFD SHEAR REACTIONS**

SIZE	SIZE
W8	15 KIPS
W10	15 KIPS
W12	25 KIPS
W14	25 KIPS
W16	40 KIPS
W18	50 KIPS
W21	55 KIPS
W24	65 KIPS

NOTE: DESIGN ALL SHEAR CONNECTIONS FOR LOADS IN ABOVE TABLE U.N.O.





LRFD SHEAR REACTIONS	
SIZE	SIZE
W8	15 KIPS
W10	15 KIPS
W12	25 KIPS
W14	25 KIPS
W16	40 KIPS
W18	50 KIPS
W21	55 KIPS
W24	65 KIPS

- NOTES:**
- SEE S5.1 FOR TYPICAL LOOSE LINTEL SCHEDULE U.N.O., SEE ARCH FOR OPENING SIZES AND LOCATIONS.
  - SEE S5.1 FOR TYPICAL MASONRY LINTEL SCHEDULE U.N.O., SEE ARCH FOR OPENING SIZES AND LOCATIONS.
  - JOIST MANUFACTURER SHALL DESIGN ALL JOIST / BRIDGING FOR A NET UPLIFT PER PLETT DIAGRAMS, SEE S3.1.
  - REFER TO S3.1 FOR SPECIAL JOIST LOAD DIAGRAMS.
  - SEE DRAWING S3.1 FOR ROOF DECK ATTACHMENT DETAIL.
  - # INDICATES MOMENT CONNECTION. DESIGN CONNECTION FOR LOADS SHOWN. LOADS ARE IN LRFD.
  - SEE 438.1 FOR TYP RTU SUPPORT FRAME. COORDINATE ALL RTU AND OPENING DIMENSIONS WITH MECHANICAL.
  - SEE S6.1 FOR COLUMN AND BEARING PLATE SCHEDULES.



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BLOOMFIELD HILLS, MICHIGAN 48302  
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EM: INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

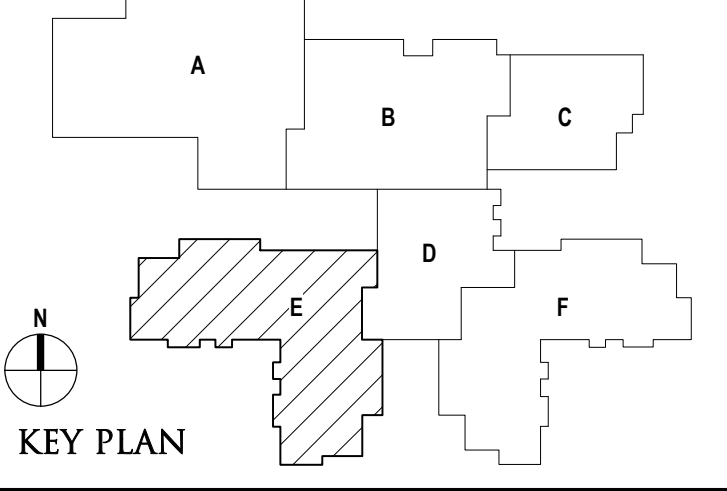
CONSULTANT



PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Second Floor Framing Plan Zone 'E'**



ISSUE DATES

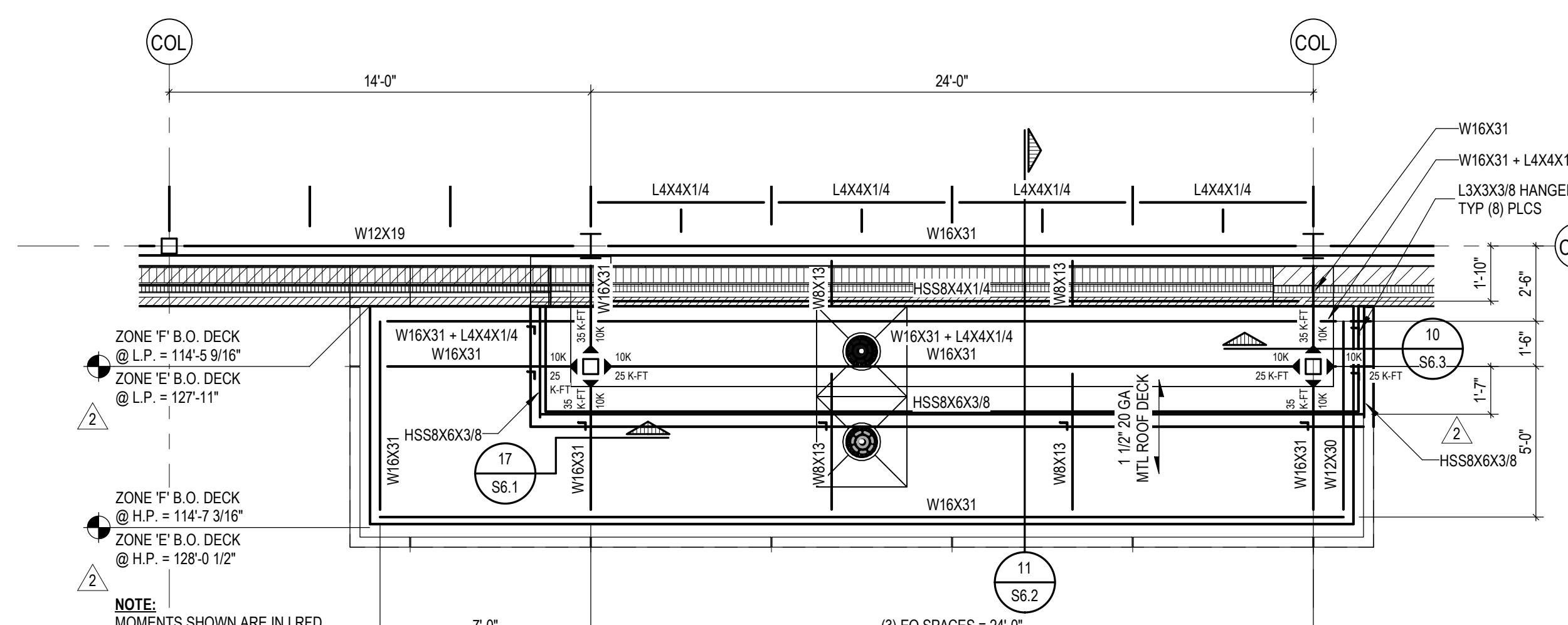
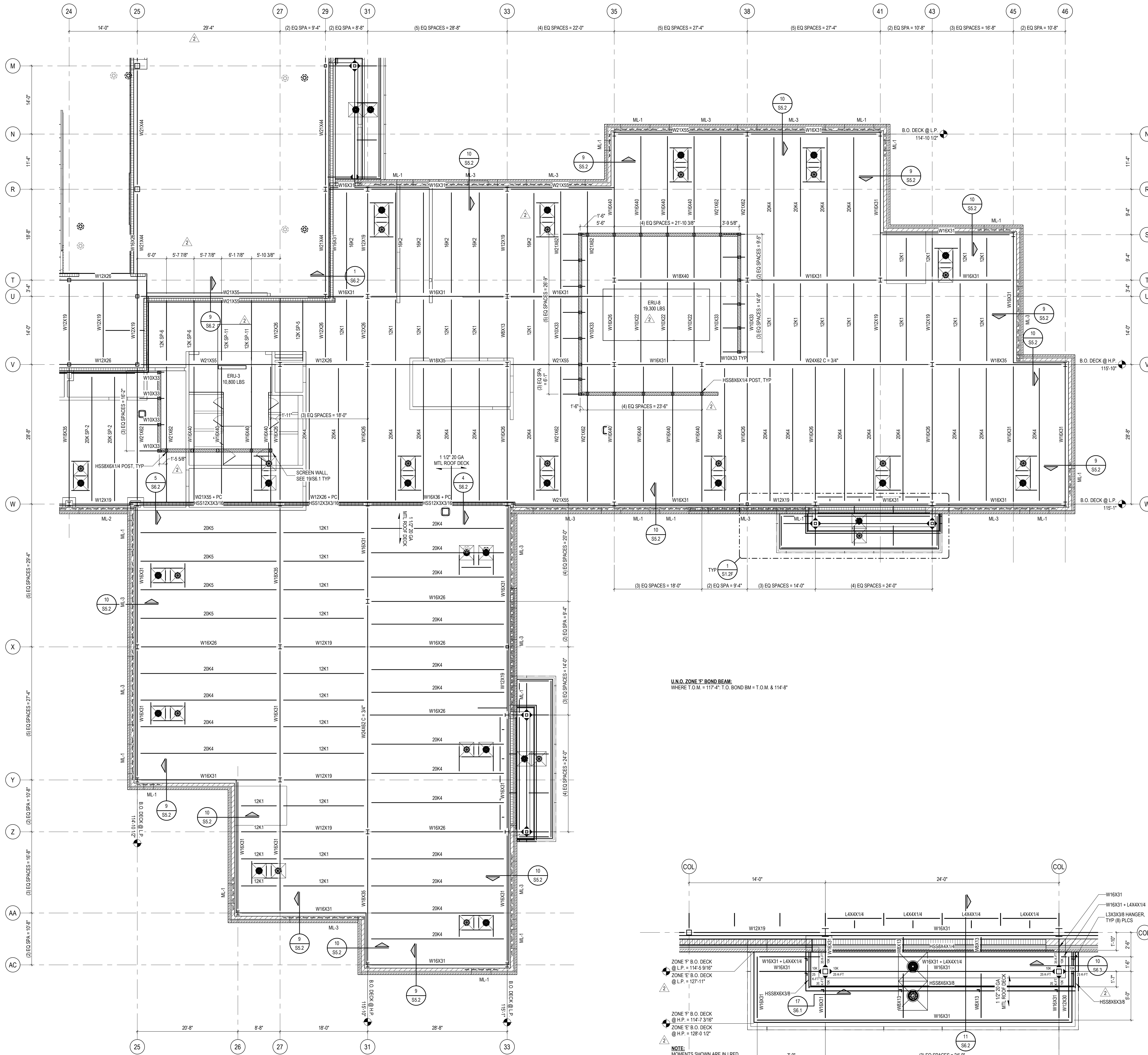
DATE	ISSUED FOR:
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01-23-2024	CONSTRUCTION DOCUMENTS

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CHECKED: B. KANNERS  
APPROVED: E. MANNOR

PROJECT NO.  
**22102**  
DRAWING NO.  
**S1.2E**

**SECOND FLOOR FRAMING PLAN - ZONE 'E'**  
SCALE: 1/8" = 1'-0"

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**LRFD SHEAR REACTIONS**

SIZE	SIZE
W8	15 KIPS
W10	15 KIPS
W12	25 KIPS
W14	25 KIPS
W16	40 KIPS
W18	50 KIPS
W21	55 KIPS
W24	65 KIPS

NOTE: DESIGN ALL SHEAR CONNECTIONS FOR LOADS IN ABOVE TABLE U.N.O.

- NOTES:**
- SEE S5.1 FOR TYPICAL LOOSE LINTEL SCHEDULE U.N.O., SEE ARCH FOR OPENING SIZES AND LOCATIONS.
  - SEE S5.1 FOR TYPICAL MASONRY LINTEL SCHEDULE U.N.O., SEE ARCH FOR OPENING SIZES AND LOCATIONS.
  - JOIST MANUFACTURER SHALL DESIGN ALL JOIST / BRIDGING FOR A NET UPLIFT PER UPLIFT DIAGRAMS, SEE S3.1.
  - REFER TO S3.1 FOR SPECIAL JOIST LOAD DIAGRAMS.
  - SEE DRAWING S3.1 FOR ROOF DECK ATTACHMENT DETAIL.
  - # INDICATES MOMENT CONNECTION. DESIGN CONNECTION FOR LOADS SHOWN, LOADS ARE IN LRFD.
  - SEE 458.1 FOR TYP RTU SUPPORT FRAME. COORDINATE ALL RTU AND OPENING DIMENSIONS WITH MECHANICAL.
  - SEE S6.1 FOR COLUMN AND BEARING PLATE SCHEDULES.

**ROOF FRAMING PLAN - ZONE 'F'**  
SCALE: 1/8" = 1'-0"



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REGISTRATION SEAL

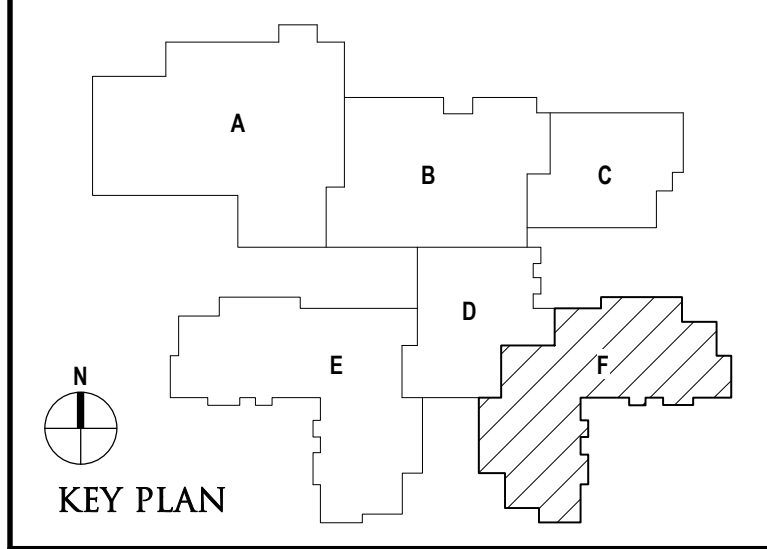
CONSULTANT



PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Roof Framing Plan Zone 'F'**



**ISSUE DATES**

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02-28-2024	ADDENDUM NO. 2
01-23-2024	CONSTRUCTION DOCUMENTS

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APPROVED: E. MANNOR

PROJECT NO.  
**22102**  
DRAWING NO.  
**S1.2F**

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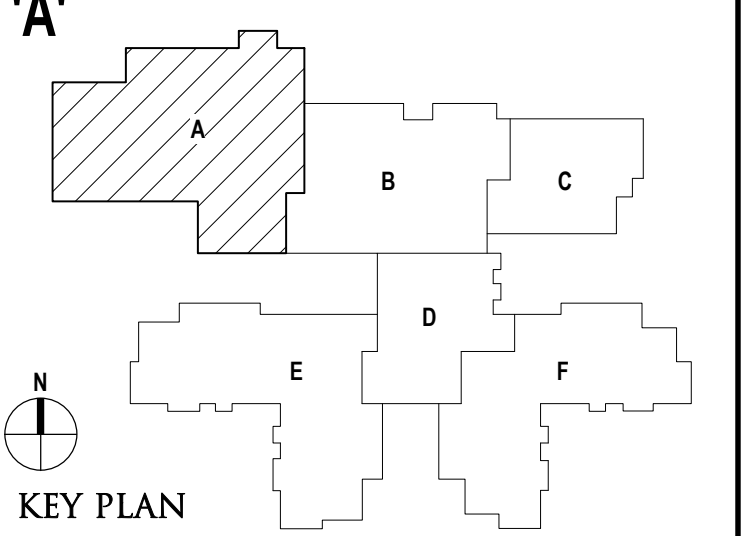
CONSULTANT



PROJECT TITLE  
**NEW SMITH  
 MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**High Roof Framing Plan Zone  
 'A'**



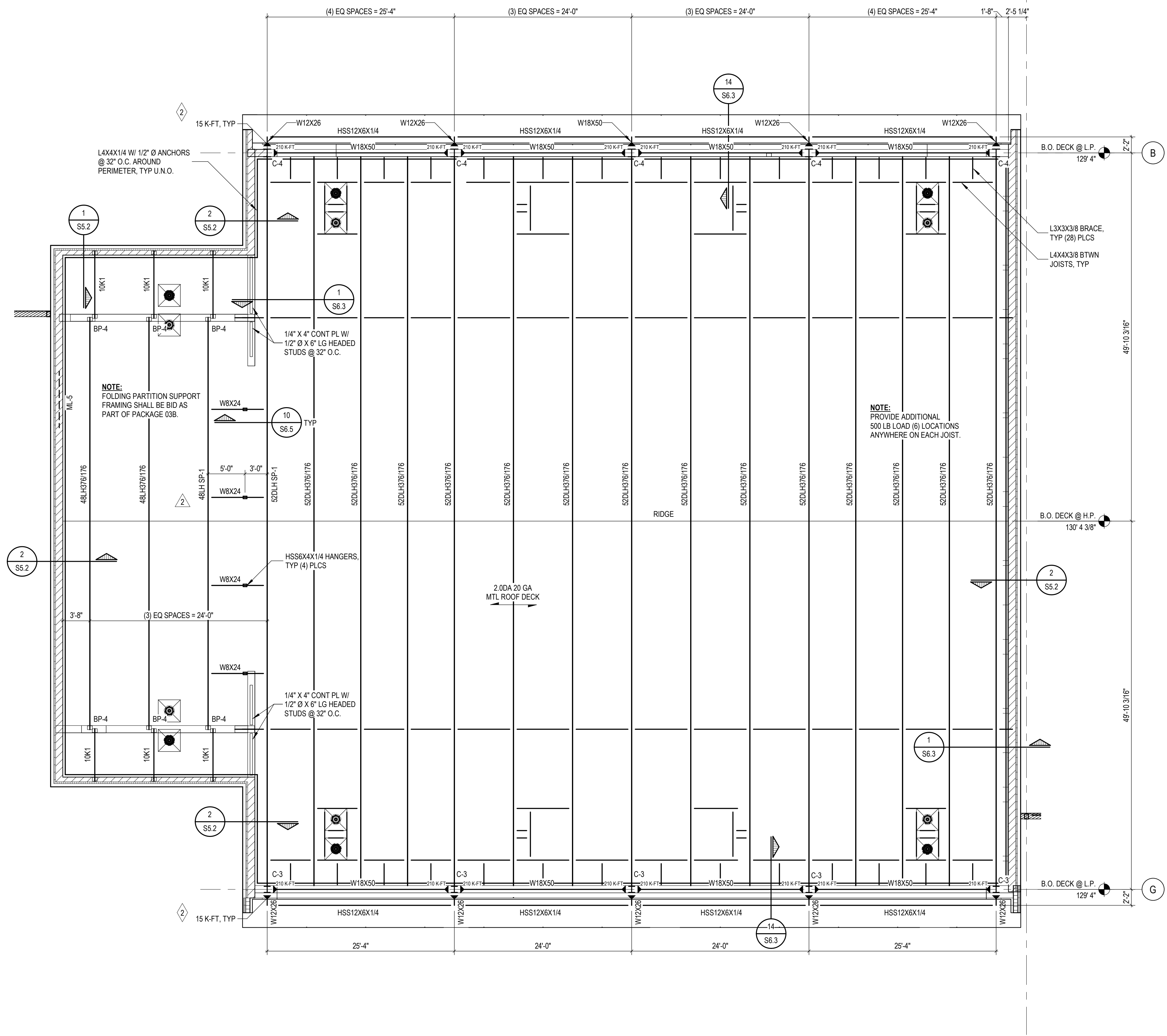
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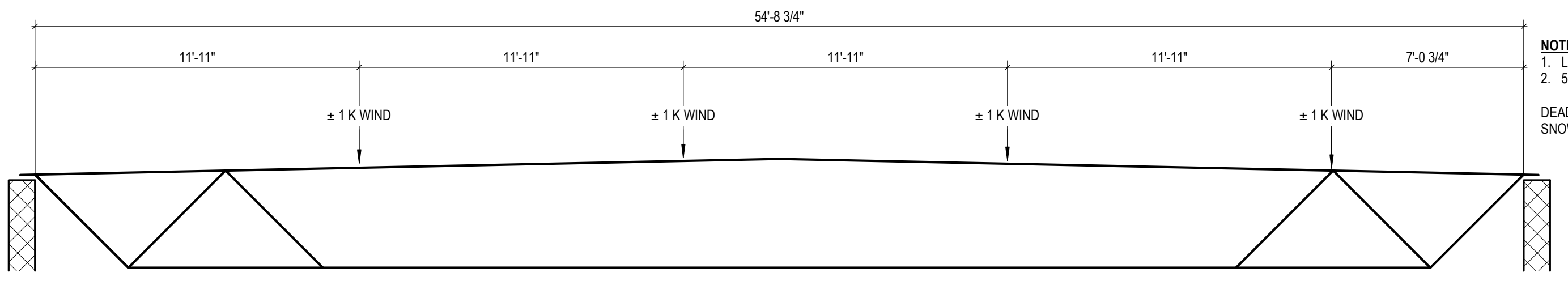
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DRAWN	D. BART
CHECKED	B. KANNERS
APPROVED	E. MANNOR
PROJECT NO.	<b>22102</b>
DRAWING NO.	<b>S1.3A</b>

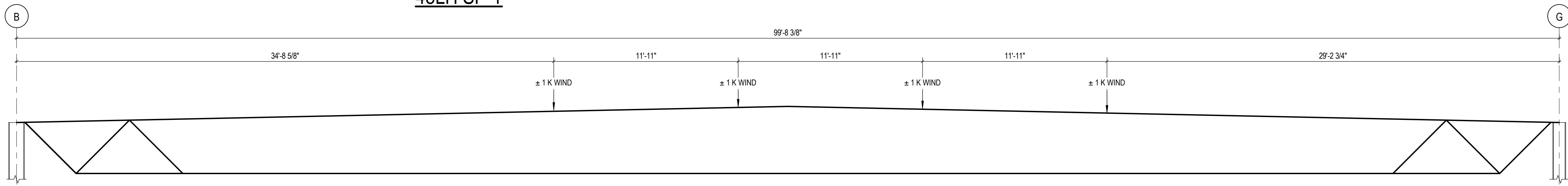
U.N.O. ZONE 'A' BOND BEAM  
 WHERE T.O.M. = 132'-8", T.O. BOND BM = T.O.M. 128'-8", & 114'-8"



**HIGH ROOF FRAMING PLAN - ZONE 'A'**  
 SCALE: 1/8" = 1'-0"



**48LH SP-1**



**52DLH SP-1**

LRFD SHEAR REACTIONS

SIZE	SIZE
W8	15 KIPS
W10	15 KIPS
W12	25 KIPS
W14	25 KIPS
W16	40 KIPS
W18	50 KIPS
W21	55 KIPS
W24	65 KIPS

- NOTES:
- LOADS ARE UNFACTORED AND REDUCED.
  - 500 LBS ADD LOAD NOT REQUIRED.
- DEAD 200 PLF  
 SNOW 176 PLF
- NOTES:
- SEE S5.1 FOR TYPICAL LOOSE INTEL SCHEDULE U.N.O., SEE ARCH FOR OPENING SIZES AND LOCATIONS.
  - SEE S5.1 FOR TYPICAL MASONRY INTEL SCHEDULE U.N.O., SEE ARCH FOR OPENING SIZES AND LOCATIONS.
  - JOIST MANUFACTURER SHALL DESIGN ALL JOIST / BRIDGING FOR A NET UPLIFT PER UPLIFT DIAGRAMS, SEE S3.1.
  - REFER TO S3.1 FOR SPECIAL JOIST LOAD DIAGRAMS.
  - SEE DRAWING S3.1 FOR ROOF DECK ATTACHMENT DETAIL.
  - # INDICATES MOMENT CONNECTION, DESIGN CONNECTION FOR LOADS SHOWN, LOADS ARE IN LRFD.
  - SEE 4IS.1 FOR TYP RTU SUPPORT FRAME, COORDINATE ALL RTU AND OPENING DIMENSIONS WITH MECHANICAL.
  - SEE S6.1 FOR COLUMN AND BEARING PLATE SCHEDULES.

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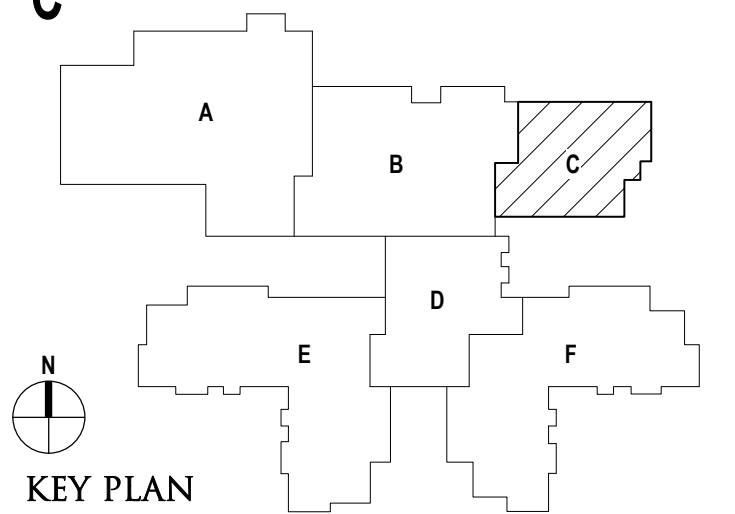
CONSULTANT



PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**High Roof Framing Plan Zone 'C'**



ISSUE DATES

DATE	ISSUED FOR:

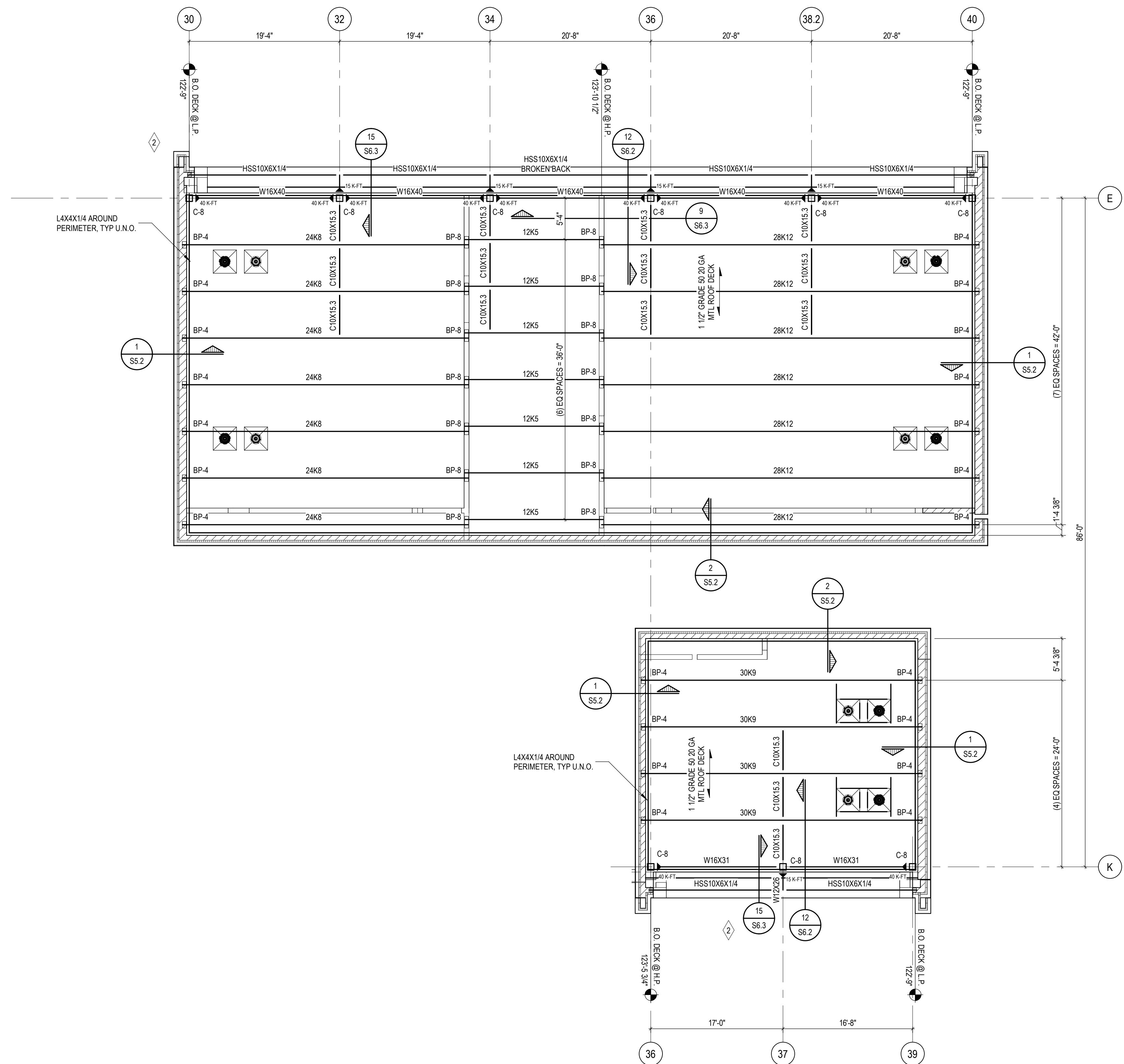
DATE	CONSTRUCTION DOCUMENTS
06-18-2024	CONSTRUCTION DOCUMENTS
02-28-2024	ADDENDUM NO. 2
01-23-2024	CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN	D. BART
CHECKED	B. KANNERS
APPROVED	E. MANNOR

PROJECT NO.  
**22102**

DRAWING NO.  
**S1.3C**



U.N.O. ZONE 'C' BOND BEAM:  
WHERE T.O.M. = 125'-4", T.O. BOND BM = T.O.M., 121'-4", & 114'-8"

**HIGH ROOF FRAMING PLAN - ZONE 'C'**  
SCALE: 1/8" = 1'-0"

**LRFD SHEAR REACTIONS**

SIZE	SIZE
W8	15 KIPS
W10	15 KIPS
W12	25 KIPS
W14	25 KIPS
W16	40 KIPS
W18	50 KIPS
W21	55 KIPS
W24	65 KIPS

NOTE:  
DESIGN ALL SHEAR CONNECTIONS FOR LOADS IN ABOVE TABLE U.N.O.

- NOTES:**
- SEE S5.1 FOR TYPICAL LOOSE LINTEL SCHEDULE U.N.O., SEE ARCH FOR OPENING SIZES AND LOCATIONS.
  - SEE S5.1 FOR TYPICAL MASONRY LINTEL SCHEDULE U.N.O., SEE ARCH FOR OPENING SIZES AND LOCATIONS.
  - JOIST MANUFACTURER SHALL DESIGN ALL JOIST / BRIDGING FOR A NET UPLIFT PER UPLIFT DIAGRAMS, SEE S3.1.
  - REFER TO S3.1 FOR SPECIAL JOIST LOAD DIAGRAMS.
  - SEE DRAWING S3.1 FOR ROOF DECK ATTACHMENT DETAIL.
  - M INDICATES MOMENT CONNECTION, DESIGN CONNECTION FOR LOADS SHOWN, LOADS ARE IN LRFD.
  - SEE 438.1 FOR TYP RTU SUPPORT FRAME, COORDINATE ALL RTU AND OPENING DIMENSIONS WITH MECHANICAL.
  - SEE S6.1 FOR COLUMN AND BEARING PLATE SCHEDULES.



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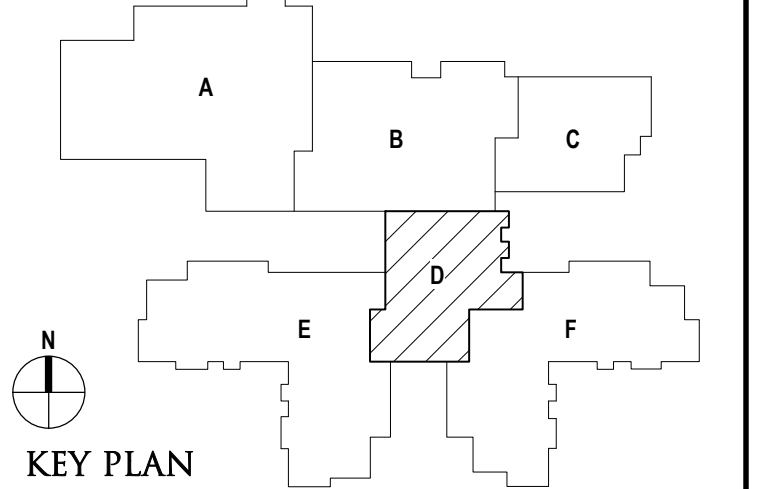
CONSULTANT



PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**High Roof Framing Plan Zone 'D'**

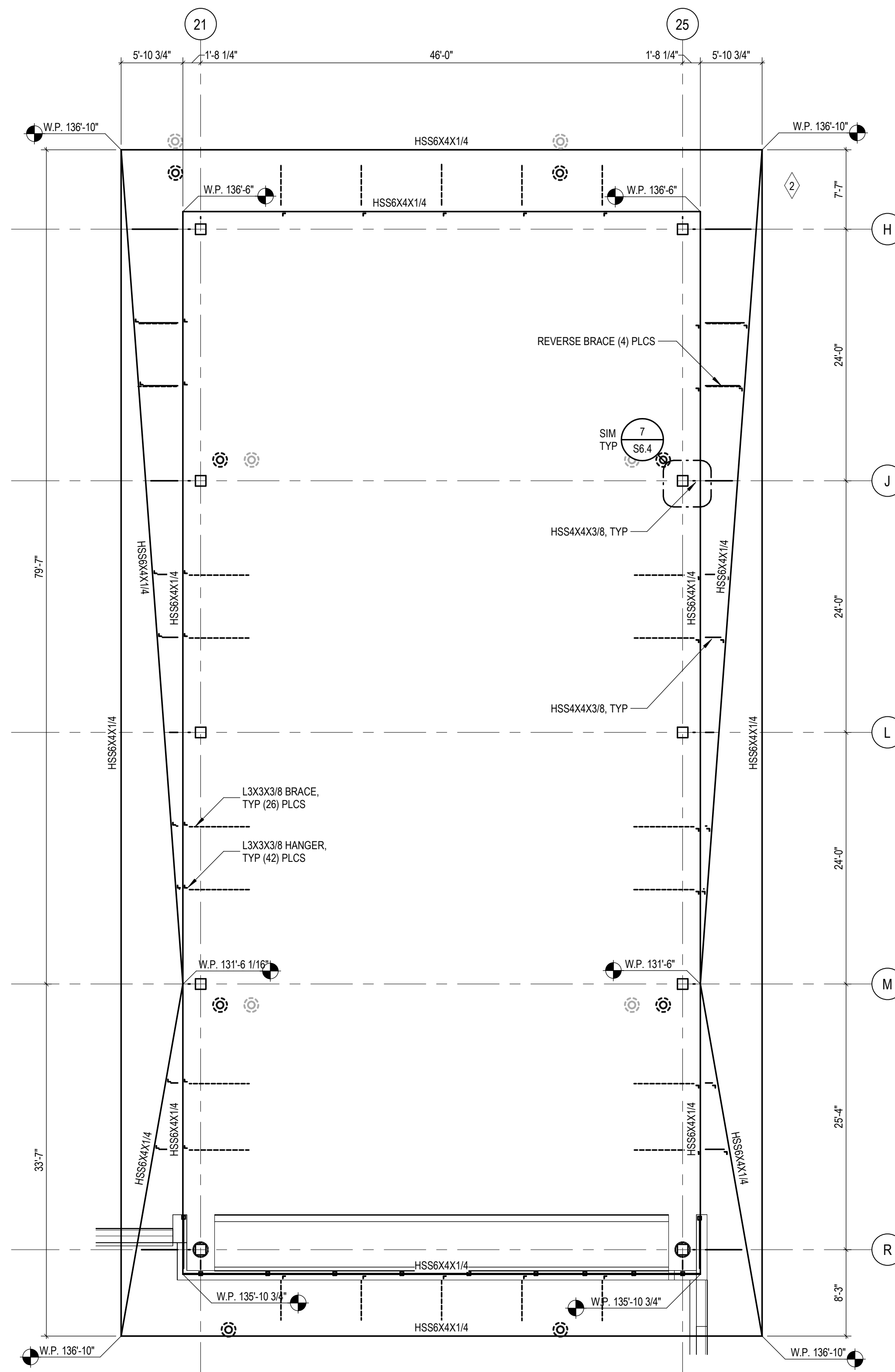


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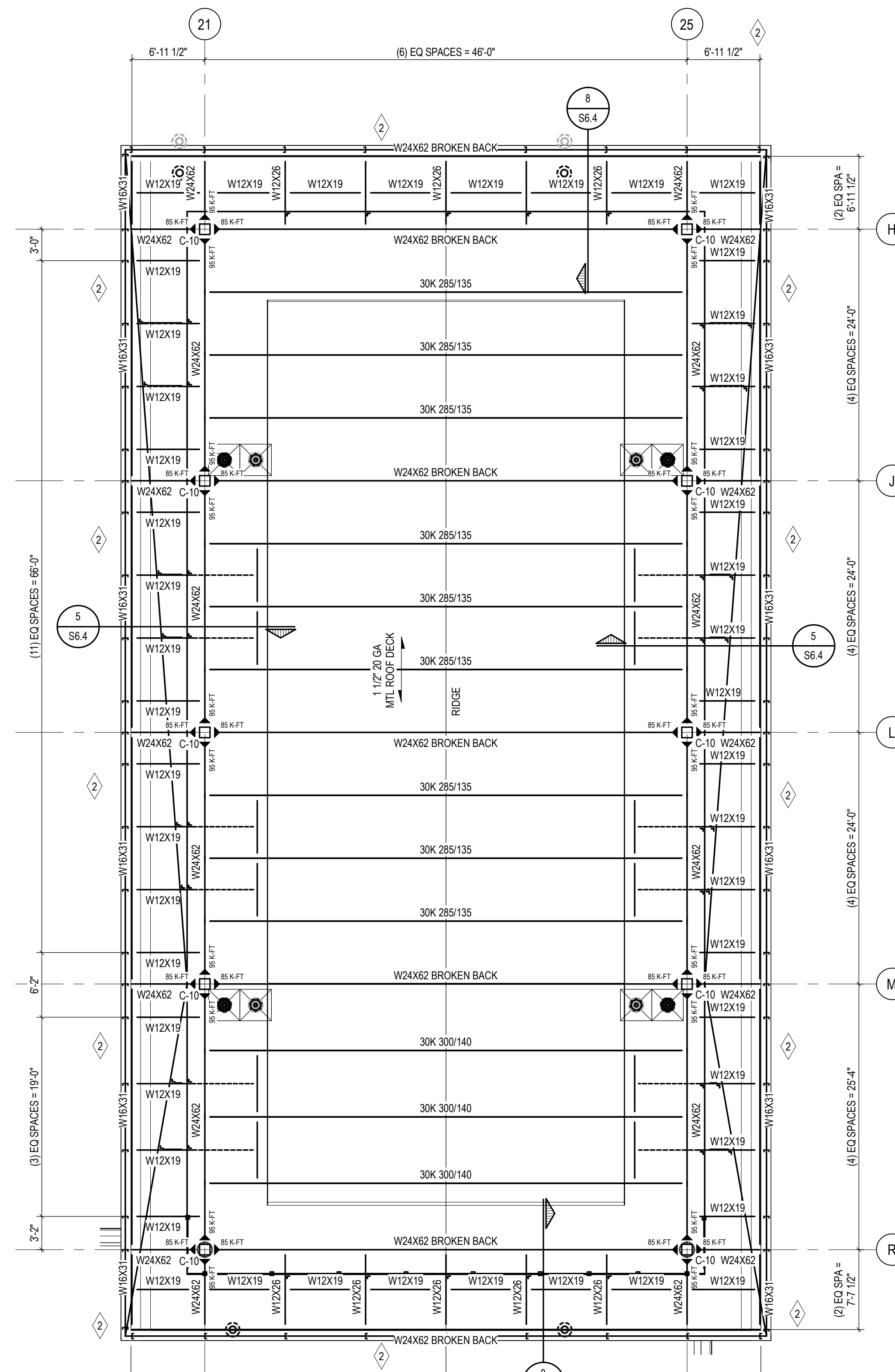
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01-23-2024	CONSTRUCTION DOCUMENTS

DRAWN: D. BART  
CHECKED: B. KANNERS  
APPROVED: E. MANNOR

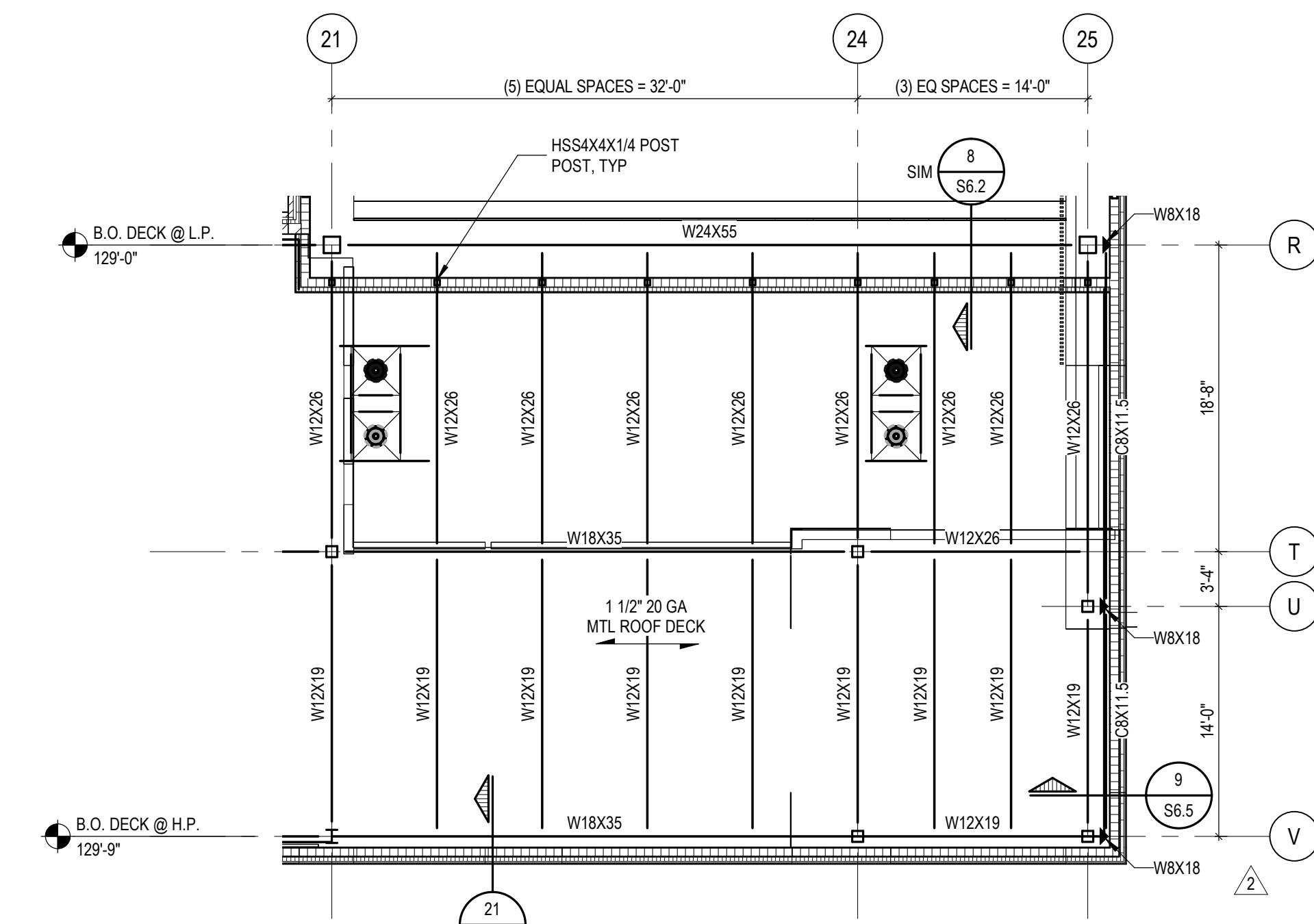
PROJECT NO.  
**22102**  
DRAWING NO.  
**S1.3D**



**HIGH ROOF FRAMING PLAN - ZONE 'D'**  
SCALE: 1/8" = 1'-0"



**HIGH ROOF FRAMING PLAN - ZONE 'D'**  
SCALE: 1/8" = 1'-0"



**HIGH ROOF FRAMING PLAN - ZONE 'D'**  
SCALE: 1/8" = 1'-0"

**LRFD SHEAR REACTIONS**

SIZE	SIZE
W8	15 KIPS
W10	15 KIPS
W12	25 KIPS
W14	25 KIPS
W16	40 KIPS
W18	50 KIPS
W21	55 KIPS
W24	65 KIPS

NOTE:  
DESIGN ALL SHEAR CONNECTIONS FOR LOADS IN ABOVE TABLE U.N.O.

- NOTES:
- SEE S5.1 FOR TYPICAL LOOSE LINTEL SCHEDULE U.N.O., SEE ARCH FOR OPENING SIZES AND LOCATIONS.
  - SEE S5.1 FOR TYPICAL MASONRY LINTEL SCHEDULE U.N.O., SEE ARCH FOR OPENING SIZES AND LOCATIONS.
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  - REFER TO S3.1 FOR SPECIAL JOIST LOAD DIAGRAMS.
  - SEE DRAWING S3.1 FOR ROOF DECK ATTACHMENT DETAIL.
  - ◆ INDICATES MOMENT CONNECTION. DESIGN CONNECTION FOR LOADS SHOWN. LOADS ARE IN LRFD.
  - SEE A18.1 FOR TYP RTU SUPPORT FRAME. COORDINATE ALL RTU AND OPENING DIMENSIONS WITH MECHANICAL.
  - SEE S6.1 FOR COLUMN AND BEARING PLATE SCHEDULES.



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REGISTRATION SEAL

CONSULTANT

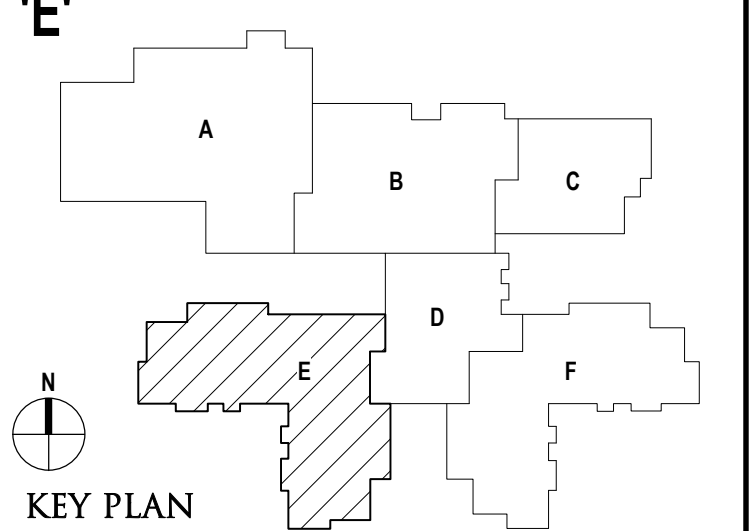


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ENGINEERS | ARCHITECTS | SURVEYORS

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**High Roof Framing Plan Zone 'E'**



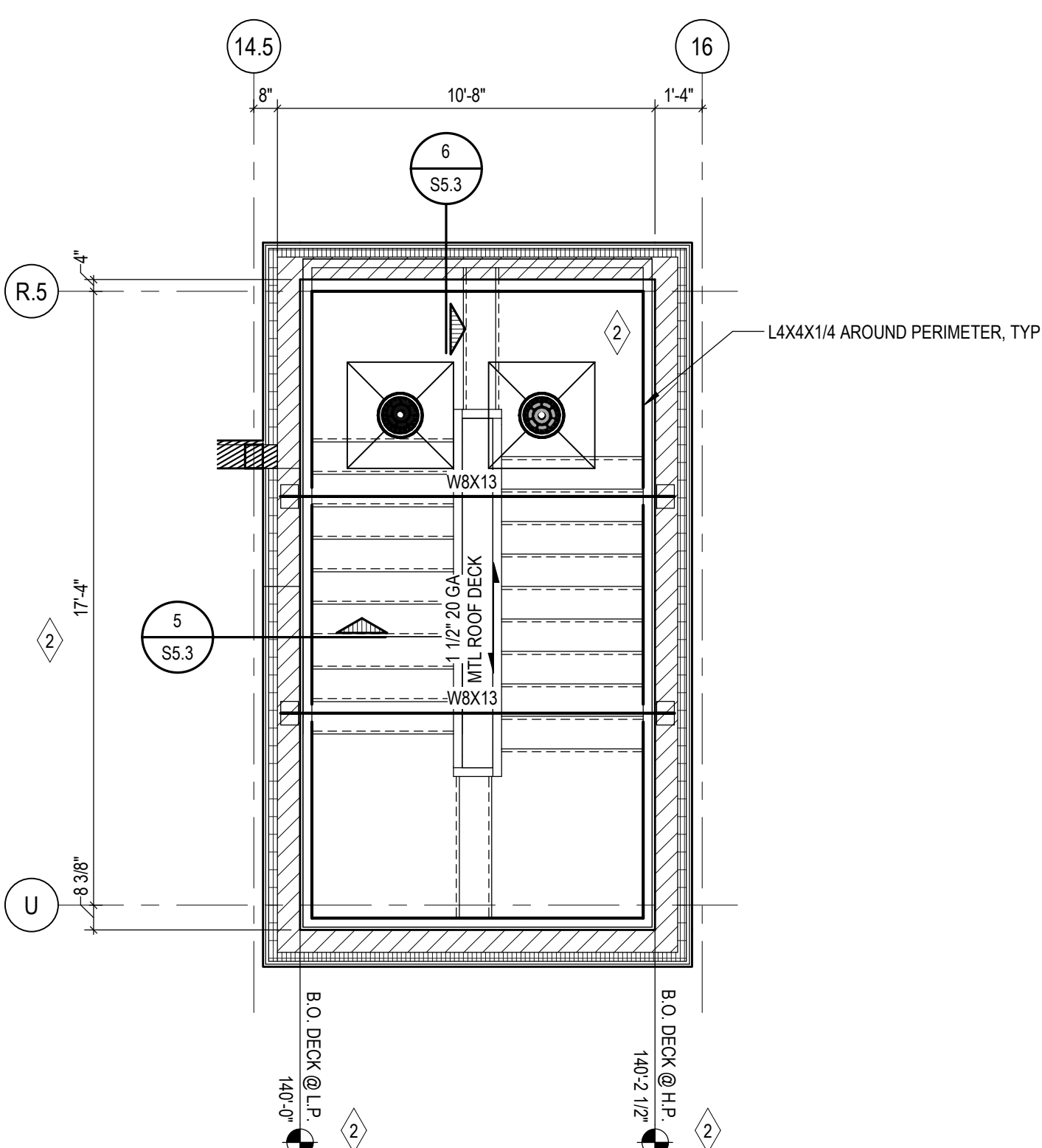
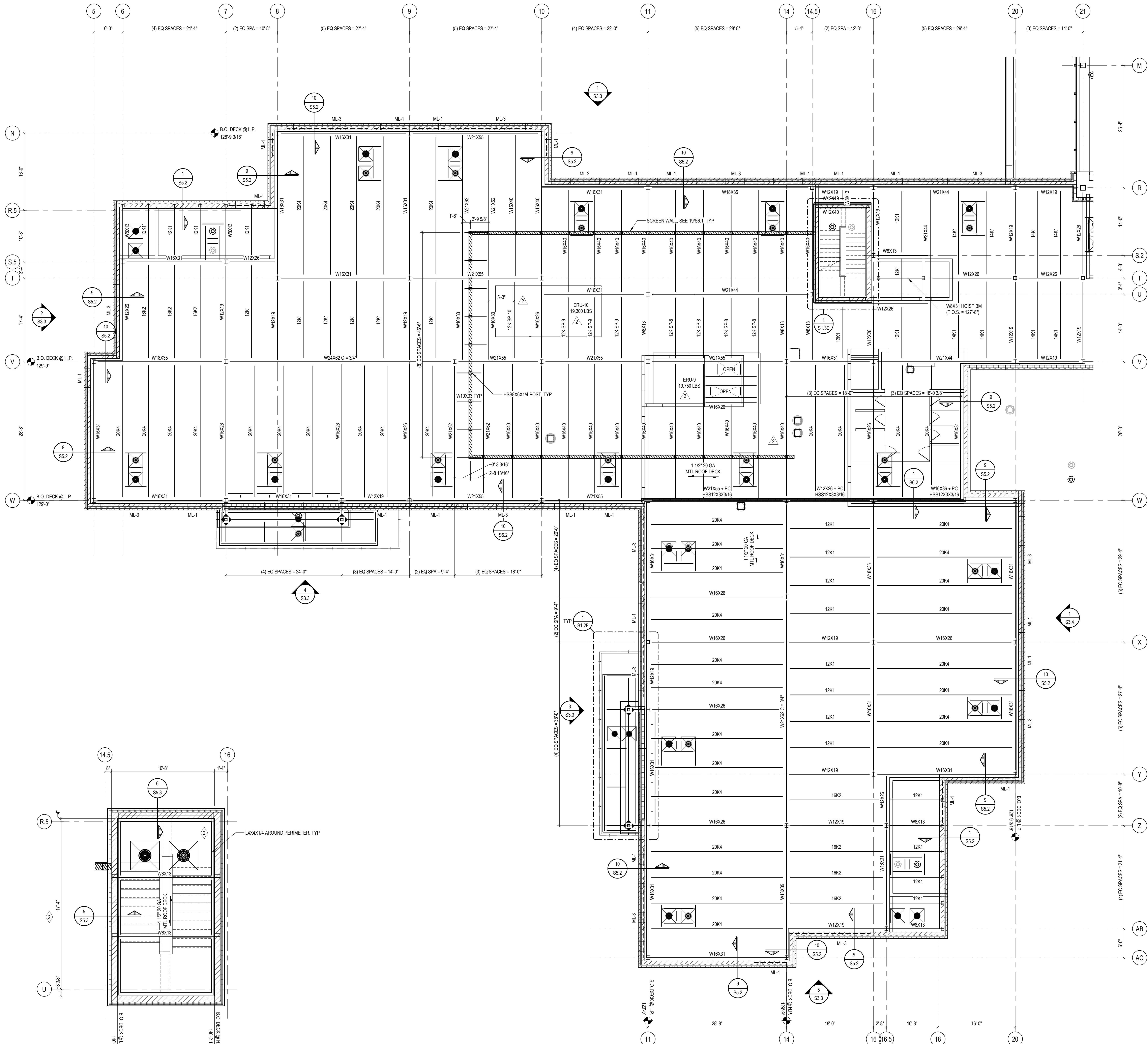
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DRAWN: D. BART  
CHECKED: B. KANNERS  
APPROVED: E. MANNOR

PROJECT NO.  
**22102**

DRAWING NO.  
**S1.3E**



**LRFD SHEAR REACTIONS**

SIZE	SIZE
W8	15 KIPS
W10	15 KIPS
W12	25 KIPS
W14	25 KIPS
W16	40 KIPS
W18	50 KIPS
W21	55 KIPS
W24	65 KIPS

NOTE: DESIGN ALL SHEAR CONNECTIONS FOR LOADS IN ABOVE TABLE U.N.O.

- NOTES:**
- SEE S5.1 FOR TYPICAL LOOSE LITEL SCHEDULE U.N.O., SEE ARCH FOR OPENING SIZES AND LOCATIONS.
  - SEE S5.1 FOR TYPICAL MASONRY LITEL SCHEDULE U.N.O., SEE ARCH FOR OPENING SIZES AND LOCATIONS.
  - JOIST MANUFACTURER SHALL DESIGN ALL JOIST BRIDGING FOR A NET UPLIFT PER PLETT DIAGRAMS, SEE S3.1.
  - REFER TO S3.1 FOR SPECIAL JOIST LOAD DIAGRAMS.
  - SEE DRAWING S3.1 FOR ROOF DECK ATTACHMENT DETAIL.
  - INDICATES MOMENT CONNECTION DESIGN CONNECTION FOR LOADS SHOWN, LOADS ARE IN LRFD.
  - SEE 418.1 FOR TYP RTU SUPPORT FRAME, COORDINATE ALL RTU AND OPENING DIMENSIONS WITH MECHANICAL.
  - SEE S6.1 FOR COLUMN AND BEARING PLATE SCHEDULES.

**1 STAIR ROOF FRAMING PLAN - ZONE 'E'**  
SCALE: 1/4" = 1'-0"

**HIGH ROOF FRAMING PLAN - ZONE 'E'**  
SCALE: 1/8" = 1'-0"







REGISTRATION SEAL

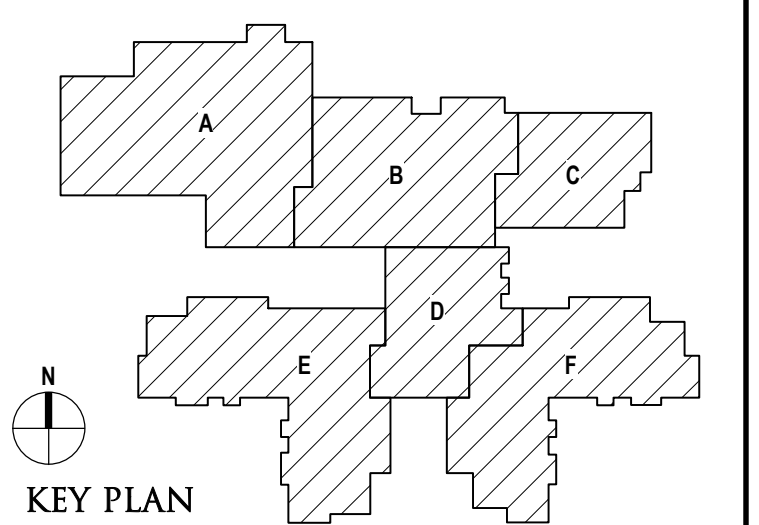
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PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Structural Elevations**

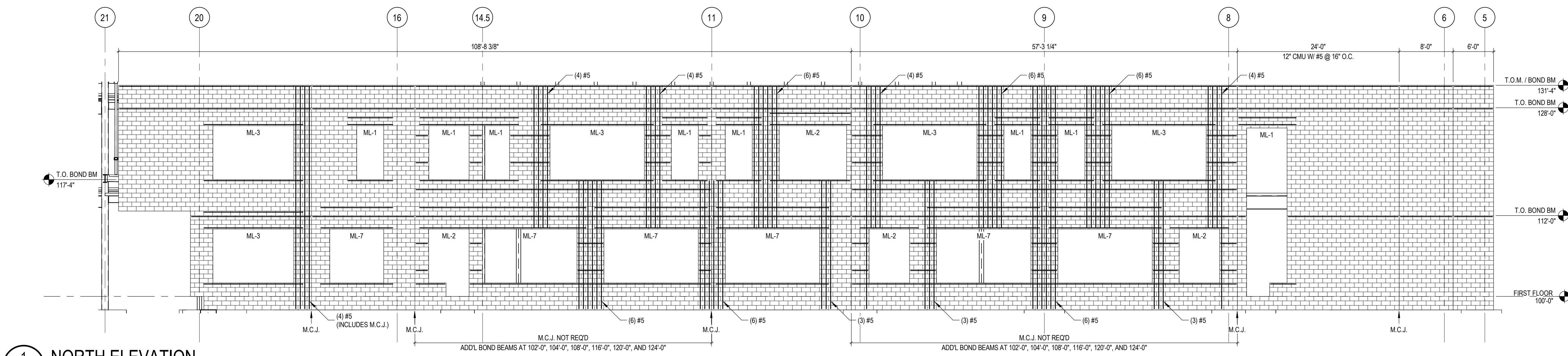


ISSUE DATES

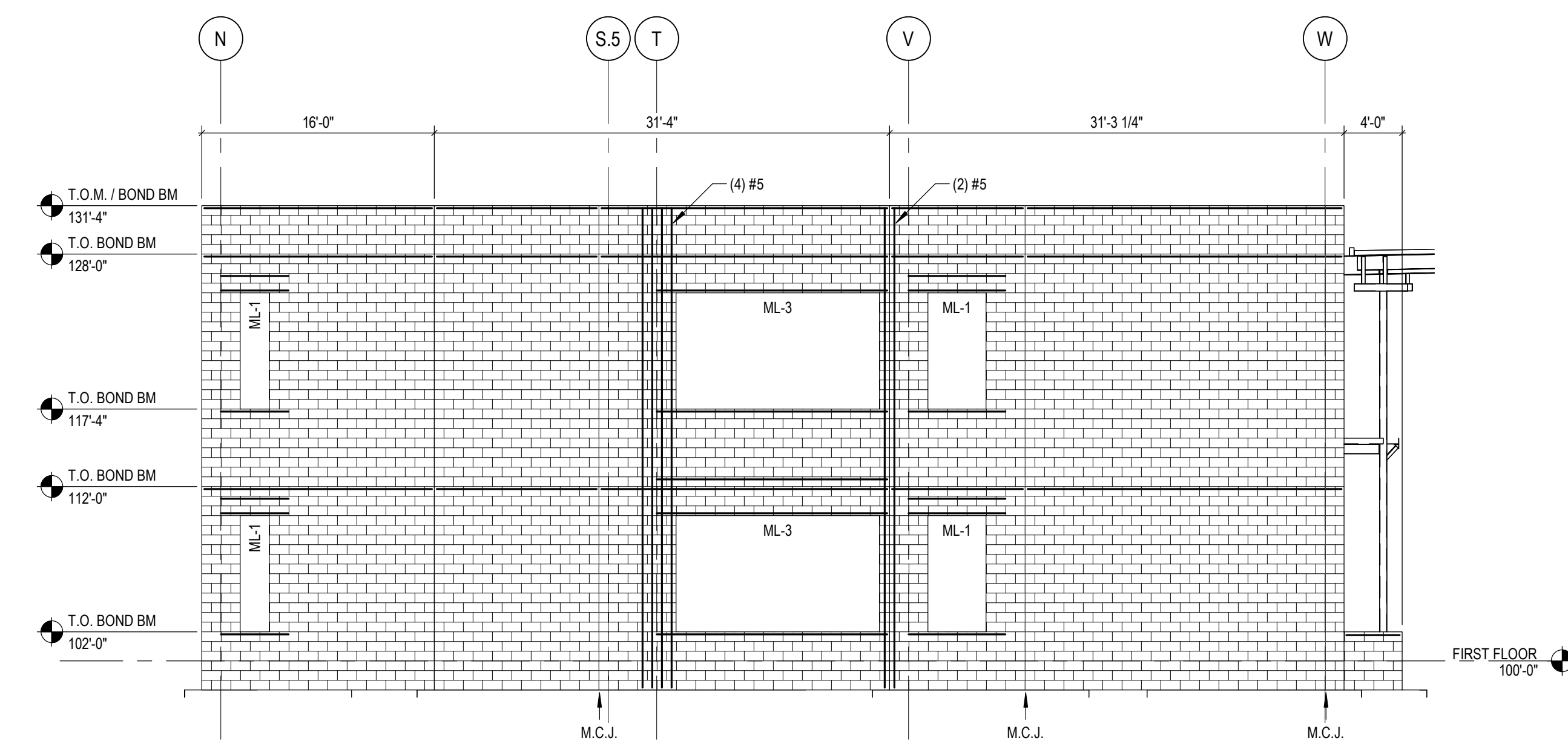

96-18-2024 CONSTRUCTION DOCUMENTS  
DATE: ISSUED FOR:

DRAWN: D. BART  
CHECKED: B. KANNERS  
APPROVED: E. MANNOR

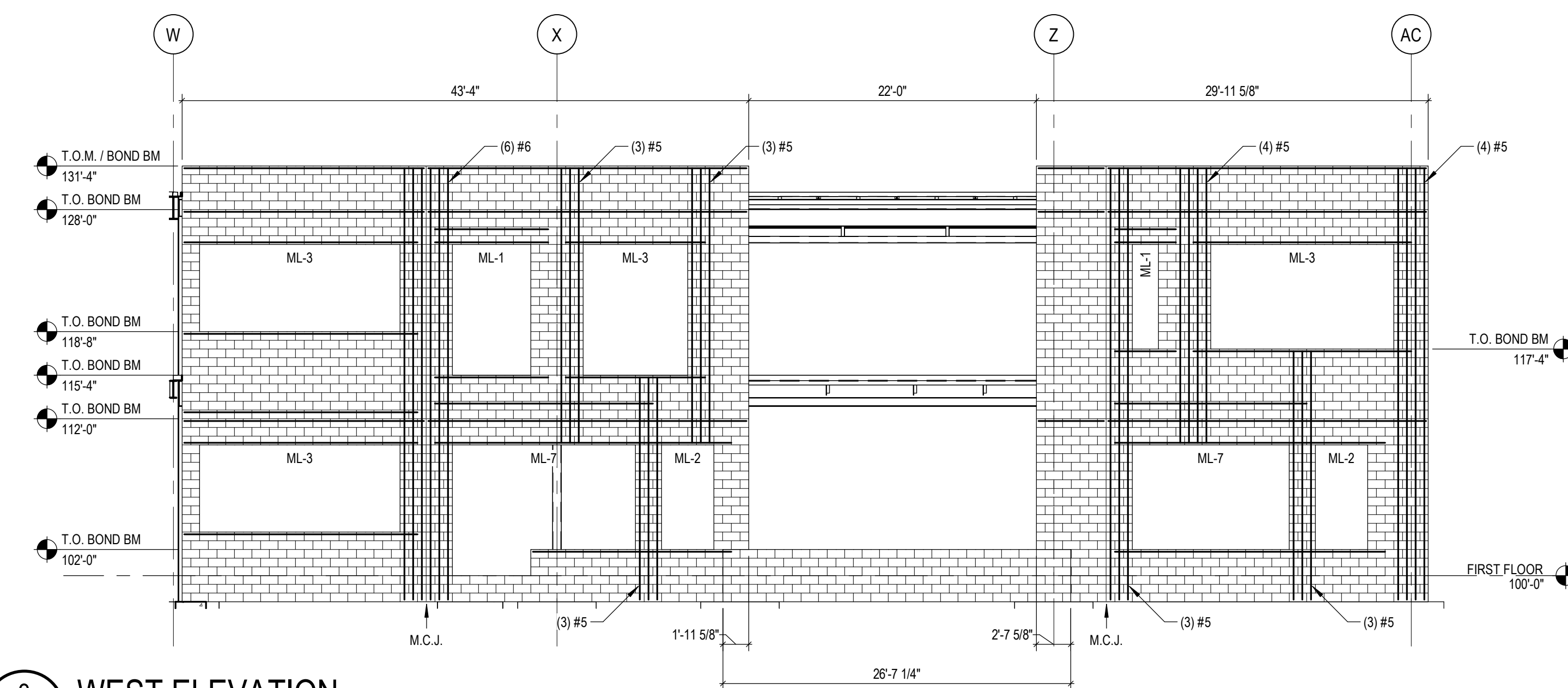
PROJECT NO.  
**22102**  
DRAWING NO.  
**S3.3**



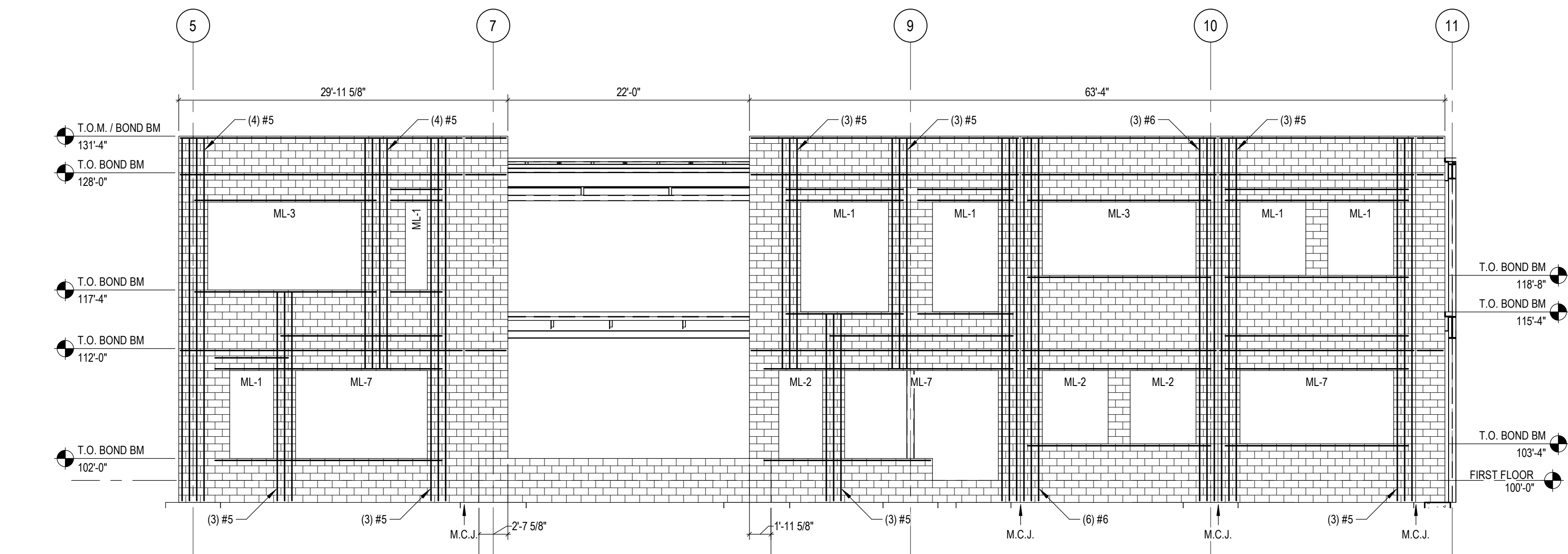
**1 NORTH ELEVATION**  
SCALE: 1/8" = 1'-0"  
**S3.3**  
NOTES:  
1. TYP VERTICAL REINF #5 @ 48" O.C. U.N.O.  
2. SEE 10SS.1 FOR TYP M.C.J. REINF.  
3. SEE 2/SS.1 FOR TYP REINF AROUND OPENINGS.



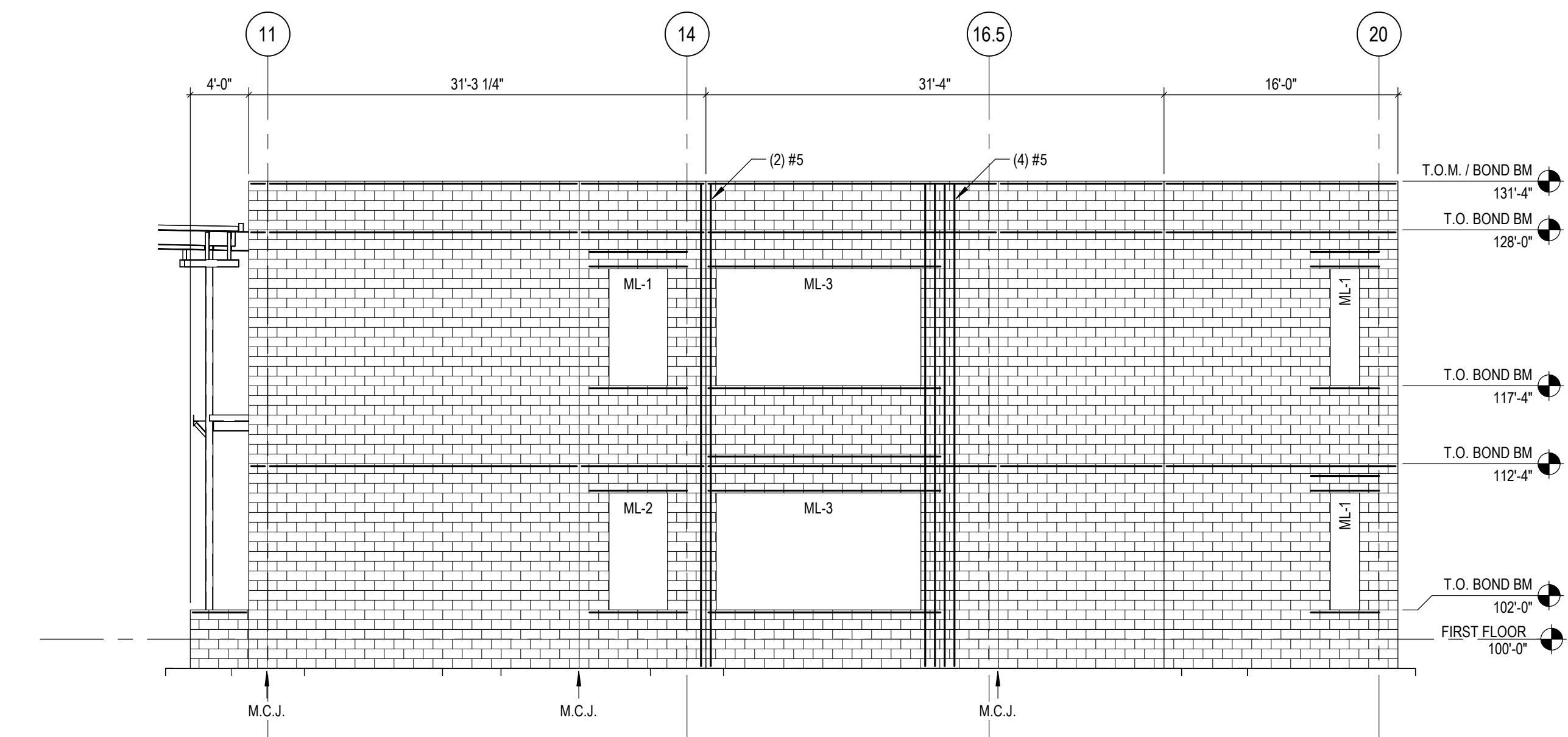
**2 WEST ELEVATION**  
SCALE: 1/8" = 1'-0"  
**S3.3**  
NOTES:  
1. TYP VERTICAL REINF #5 @ 48" O.C. U.N.O.  
2. SEE 10SS.1 FOR TYP M.C.J. REINF.  
3. SEE 2/SS.1 FOR TYP REINF AROUND OPENINGS.



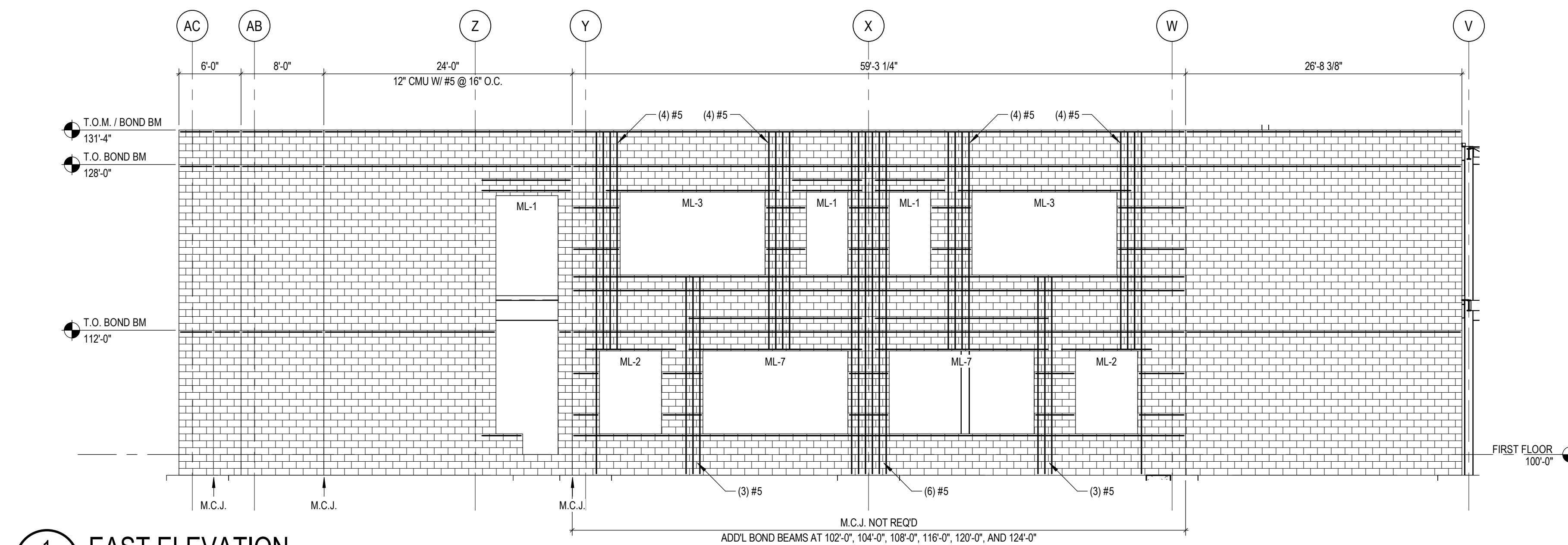
**3 WEST ELEVATION**  
SCALE: 1/8" = 1'-0"  
**S3.3**  
NOTES:  
1. TYP VERTICAL REINF #5 @ 48" O.C. U.N.O.  
2. SEE 10SS.1 FOR TYP M.C.J. REINF.  
3. SEE 2/SS.1 FOR TYP REINF AROUND OPENINGS.



**4 SOUTH ELEVATION**  
SCALE: 1/8" = 1'-0"  
**S3.3**  
NOTES:  
1. TYP VERTICAL REINF #5 @ 48" O.C. U.N.O.  
2. SEE 10SS.1 FOR TYP M.C.J. REINF.  
3. SEE 2/SS.1 FOR TYP REINF AROUND OPENINGS.



**5 SOUTH ELEVATION**  
SCALE: 1/8" = 1'-0"  
**S3.3**  
NOTES:  
1. TYP VERTICAL REINF #5 @ 48" O.C. U.N.O.  
2. SEE 10SS.1 FOR TYP M.C.J. REINF.  
3. SEE 2/SS.1 FOR TYP REINF AROUND OPENINGS.



**1**  
**S3.4 EAST ELEVATION**  
SCALE: 1/8" = 1'-0"  
NOTES:  
1. TYP VERTICAL REINF #5 @ 48" O.C. U.N.O..  
2. SEE 1055.1 FOR TYP M.C.J. REINF.  
3. SEE 205.1 FOR TYP REINF AROUND OPENINGS.



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REGISTRATION SEAL

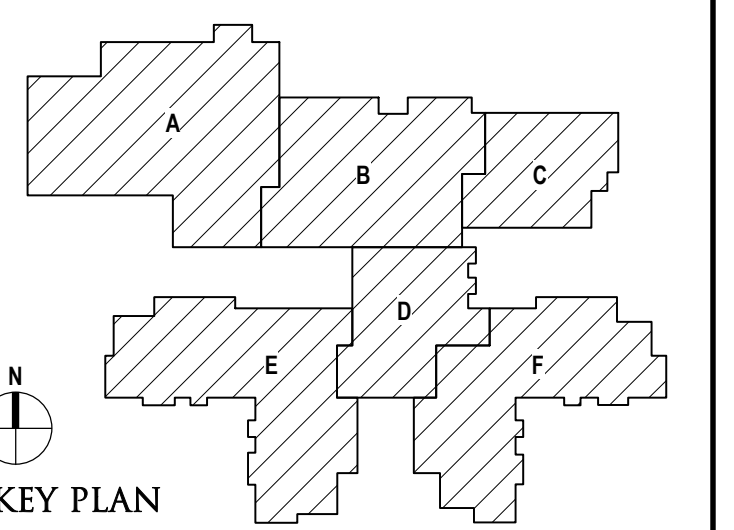
CONSULTANT



PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Structural Elevations**



ISSUE DATES

DATE	ISSUED FOR

06-18-2024	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:
DRAWN: D. BART	
CHECKED: B. KANNERS	
APPROVED: E. MANNOR	

PROJECT NO.  
**22102**  
DRAWING NO.  
**S3.4**

REGISTRATION SEAL

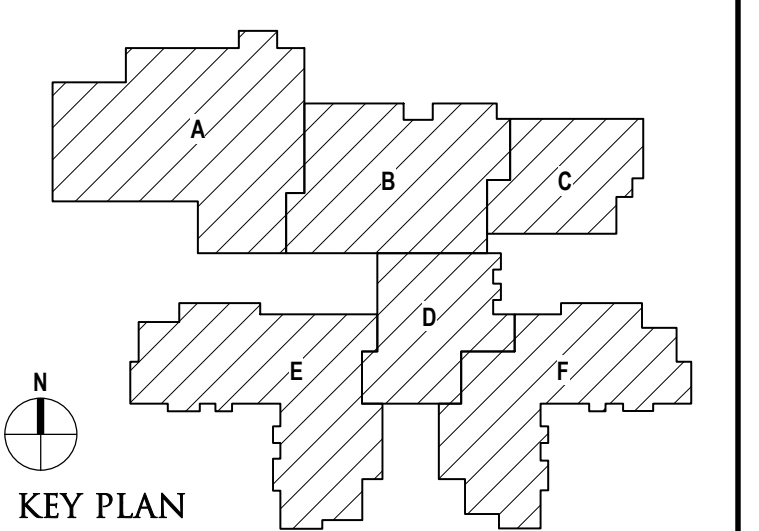
CONSULTANT

PROJECT TITLE

**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Concrete Details**



ISSUE DATES

DATE	ISSUED FOR:
08-18-2024	CONSTRUCTION DOCUMENTS
02-28-2024	ADDENDUM NO. 2
01-23-2024	CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

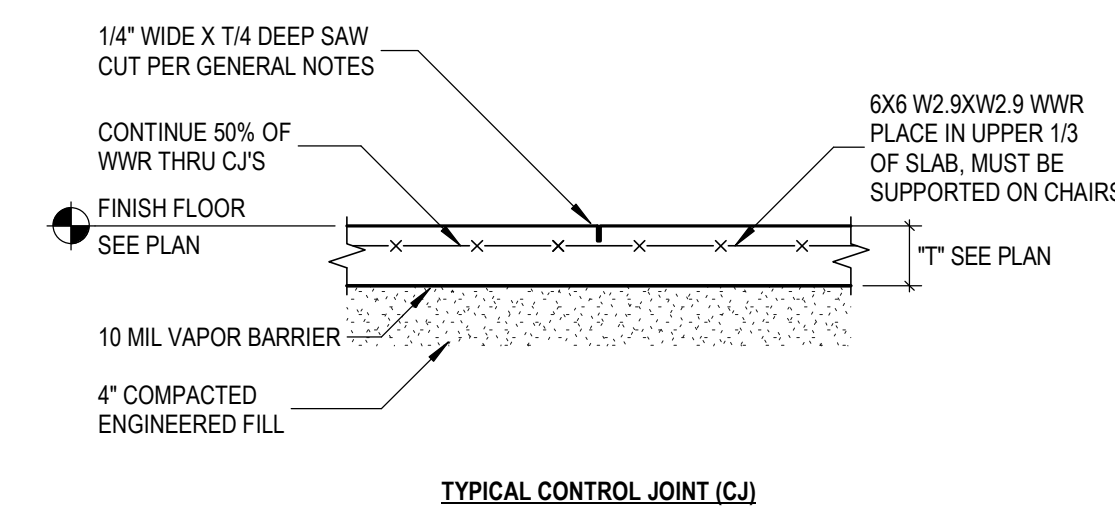
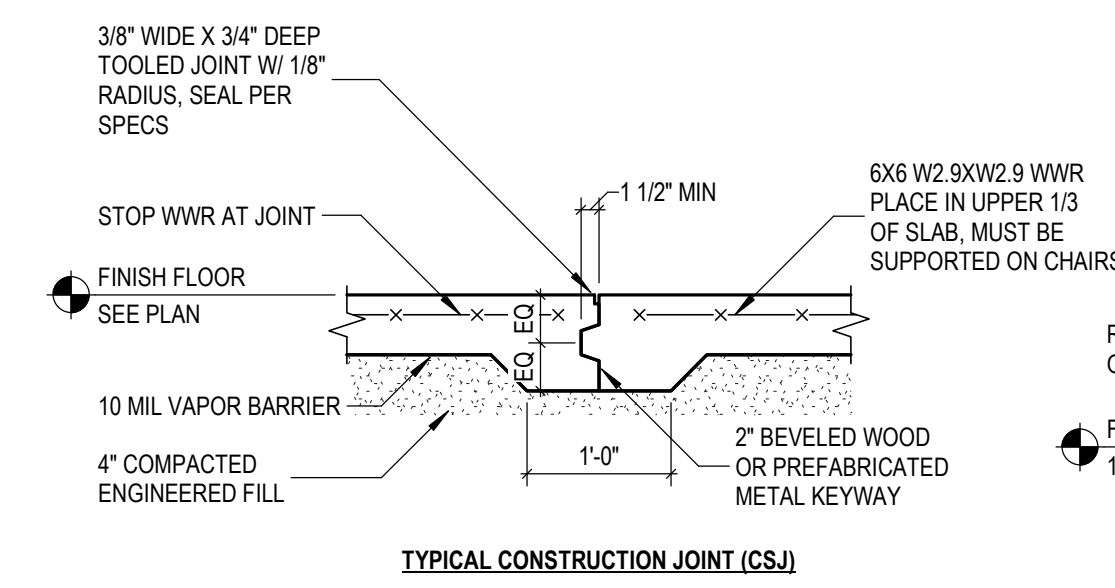
DRAWN: D. BART  
CHECKED: B. KANNERS  
APPROVED: E. MANNOR

PROJECT NO.

**22102**

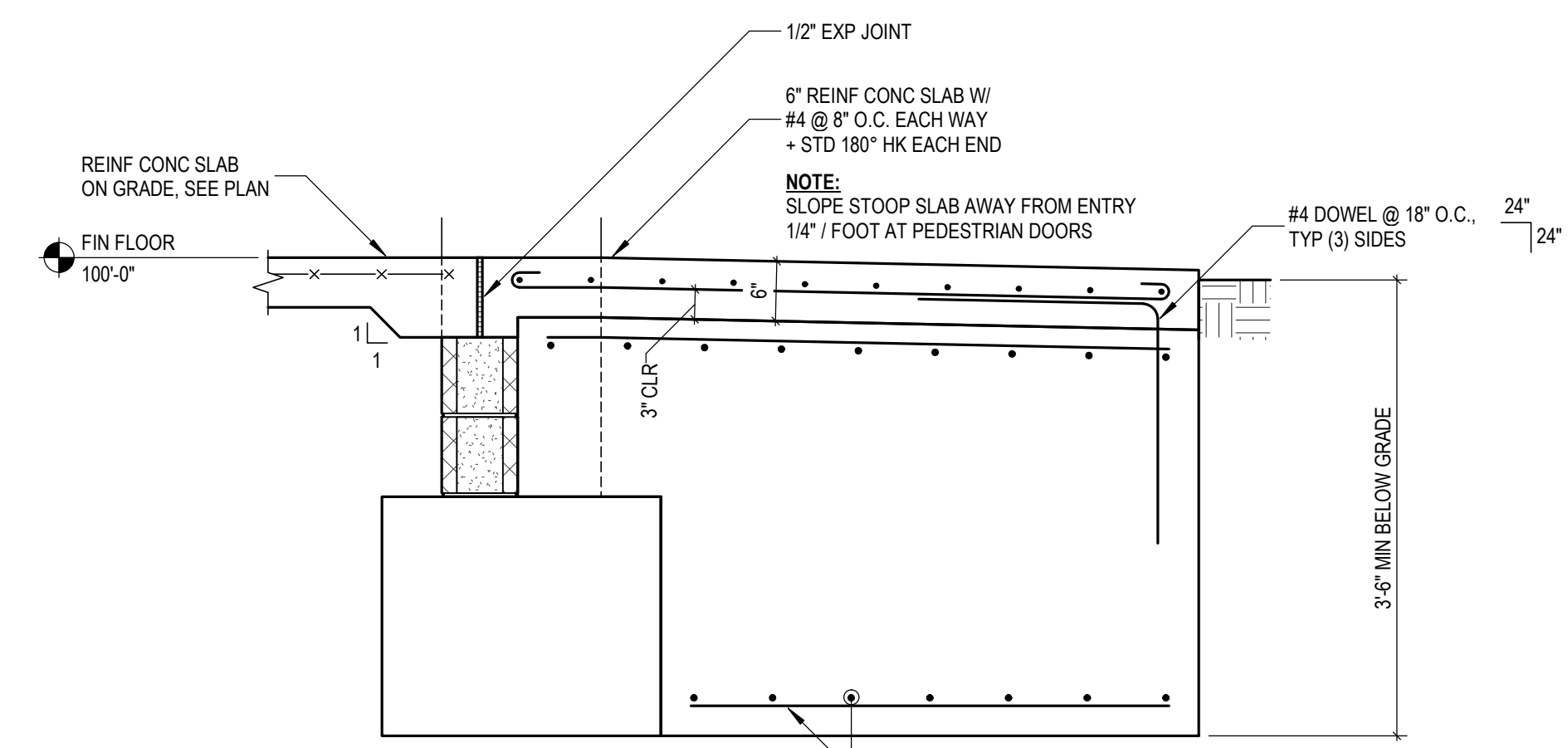
DRAWING NO.

**S4.1**

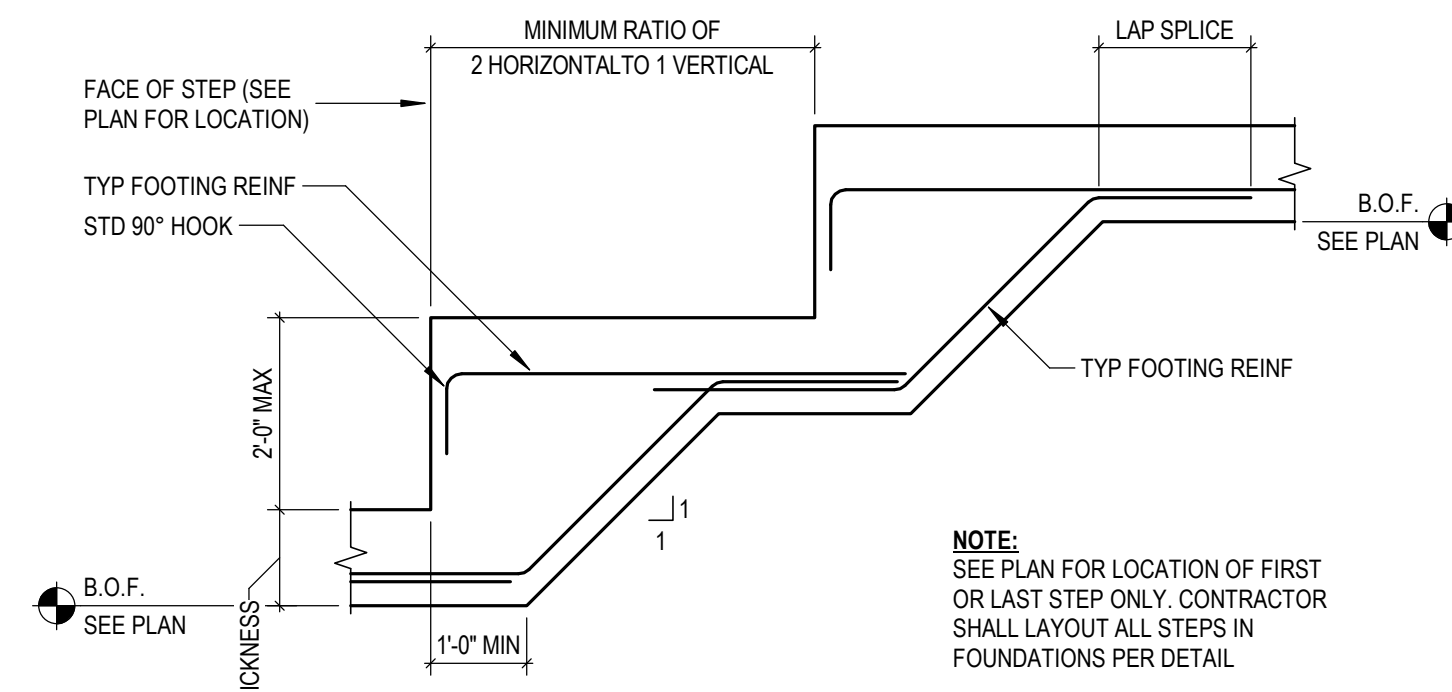


1 TYPICAL SLAB ON GRADE DETAILS  
S4.1 NOT TO SCALE

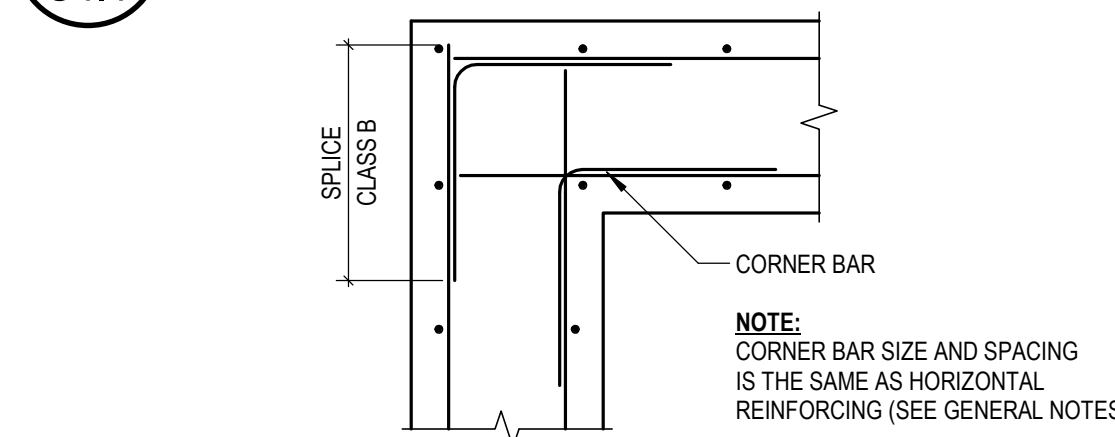
2 TYPICAL STOOB SECTION  
S4.1 NOT TO SCALE



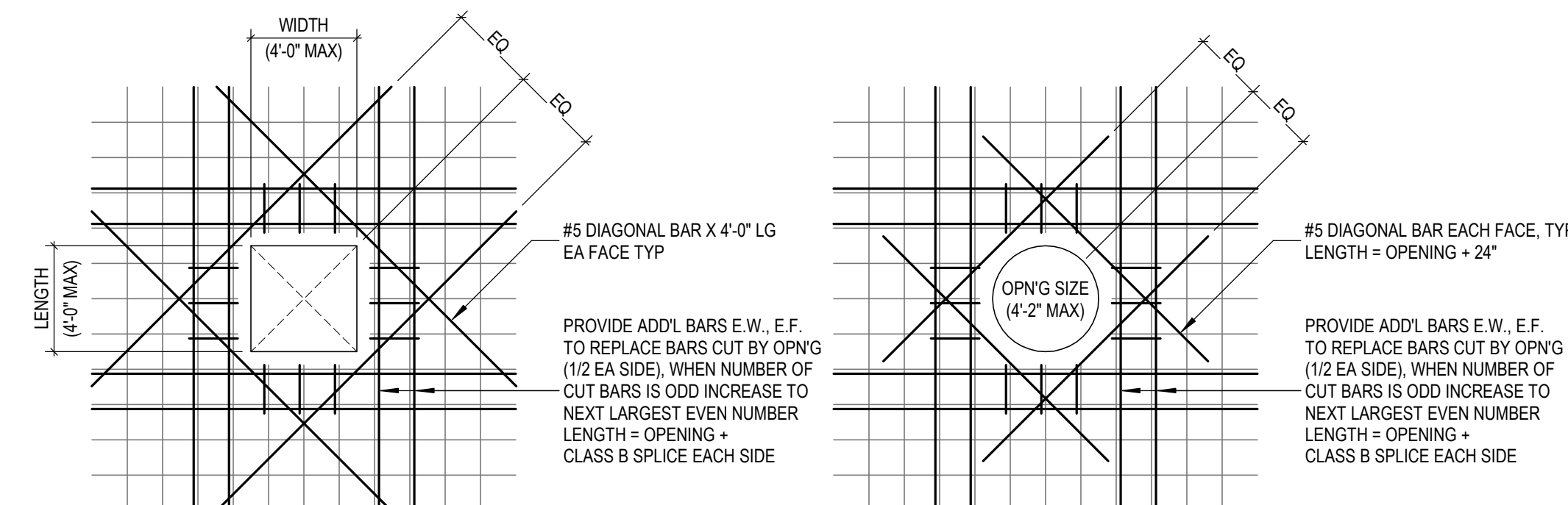
3 MASS POUR STOOB SECTION  
S4.1 NOT TO SCALE  
NOTE: CONTRACTOR MAY USE TYPICAL STOOB SECTION.



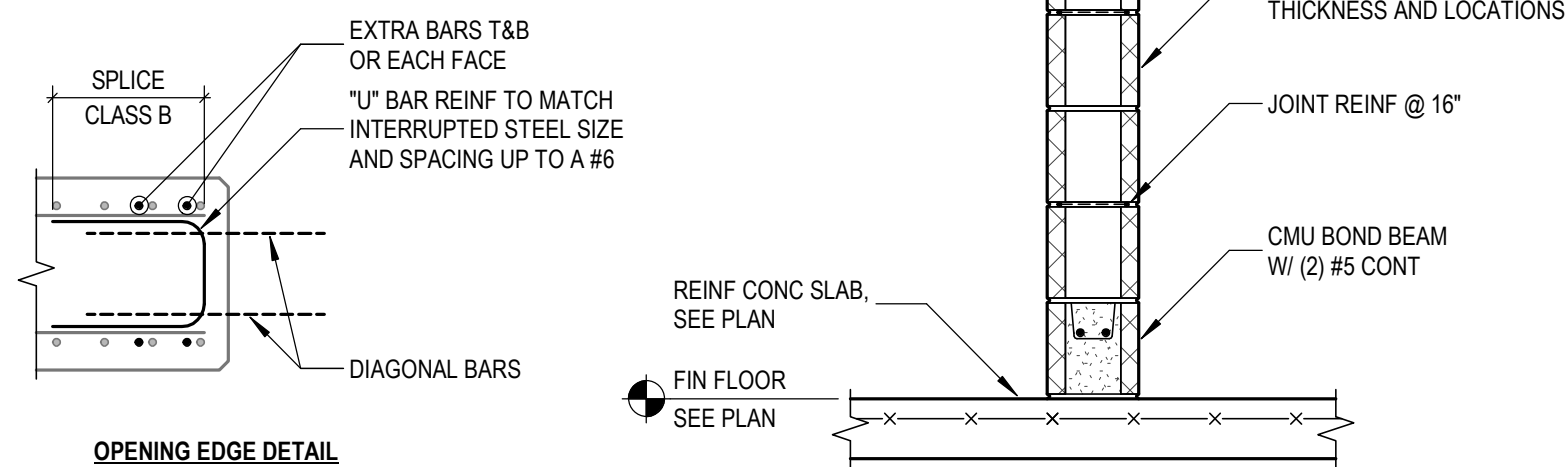
4 TYPICAL STEP FOOTING DETAIL  
S4.1 NOT TO SCALE



5 TYP WALL & FTG CORNER DETAIL  
S4.1 NOT TO SCALE



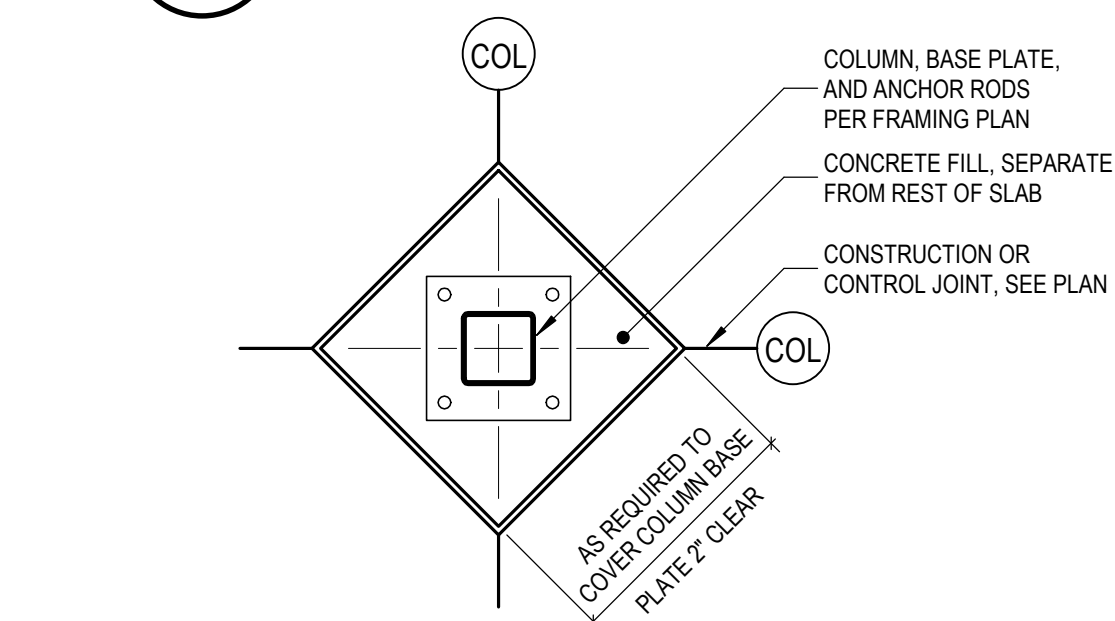
7 TYPICAL SLAB AND WALL OPENINGS  
S4.1 NOT TO SCALE



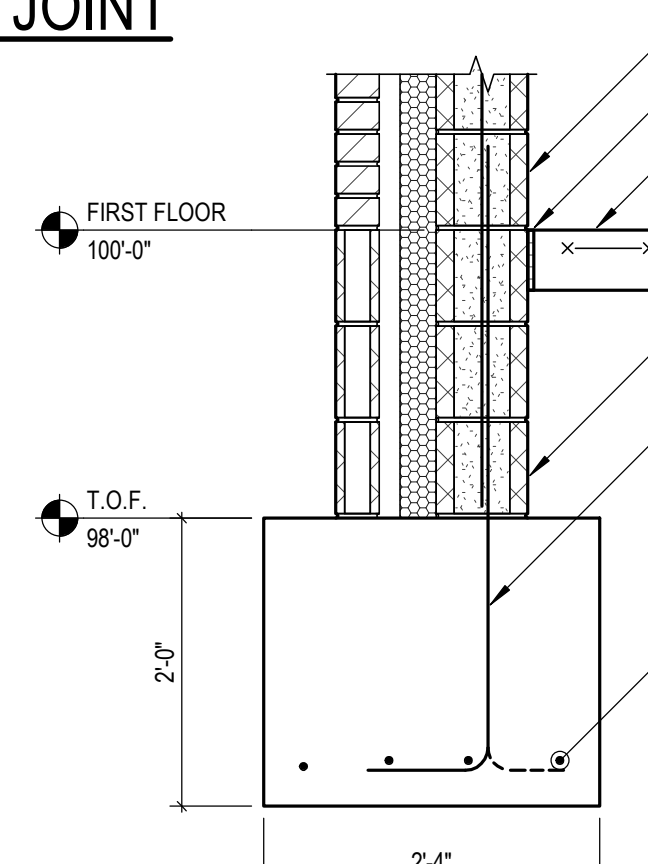
8 DETAIL  
S4.1 NOT TO SCALE

MARK	DIMENSIONS			REINFORCING		DETAIL
	WIDTH	LENGTH	THICKNESS	W (SHORT BARS)	L (LONG BARS)	
F-1	3'-0"	3'-0"	1'-8"	(5) #5 T&B	(5) #5 T&B	
F-2	4'-0"	4'-0"	2'-0"	(5) #6	(5) #6	
F-3	4'-0"	4'-0"	2'-0"	(5) #6 T&B	(5) #6 T&B	
F-4	5'-0"	5'-0"	1'-8"	(5) #6	(5) #6	
F-5	5'-0"	5'-0"	2'-0"	(6) #6	(6) #6	
F-6	5'-0"	5'-0"	2'-0"	(6) #6 T&B	(6) #6 T&B	
F-7	5'-0"	9'-0"	2'-0"	(11) #6	(6) #6	
F-8	6'-0"	6'-0"	2'-0"	(8) #6	(8) #6	
F-9	6'-0"	6'-0"	2'-0"	(8) #6 T&B	(8) #6 T&B	
F-10	6'-0"	10'-0"	2'-0"	(12) #6	(7) #6	
F-11	7'-0"	7'-0"	2'-0"	(9) #6	(9) #6	
F-12	8'-0"	8'-0"	2'-0"	(10) #6	(10) #6	
F-13	3'-0"	3'-0"	2'-0"	(4) #6	(4) #6	

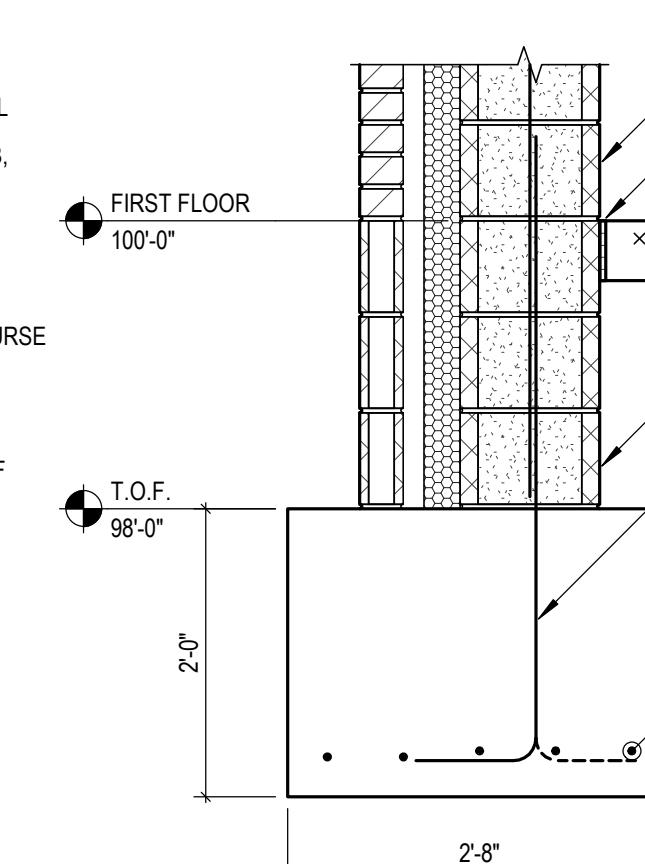
MARK	DIMENSIONS			REINFORCING		DETAIL
	WIDTH	LENGTH	TOP ELEVATION	VERTICAL	TIES	
P-1	2'-0"	2'-0"	101'-8"	(8) #6	#3 @12" O.C.	
P-2	2'-0"	2'-0"	99'-4"	(12) #6	#3 @12" O.C.	
P-3	2'-8"	2'-8"	99'-4"	(12) #6	#3 @12" O.C.	
P-4	2'-0"	2'-0"	98'-0"	(8) #6	#3 @12" O.C.	



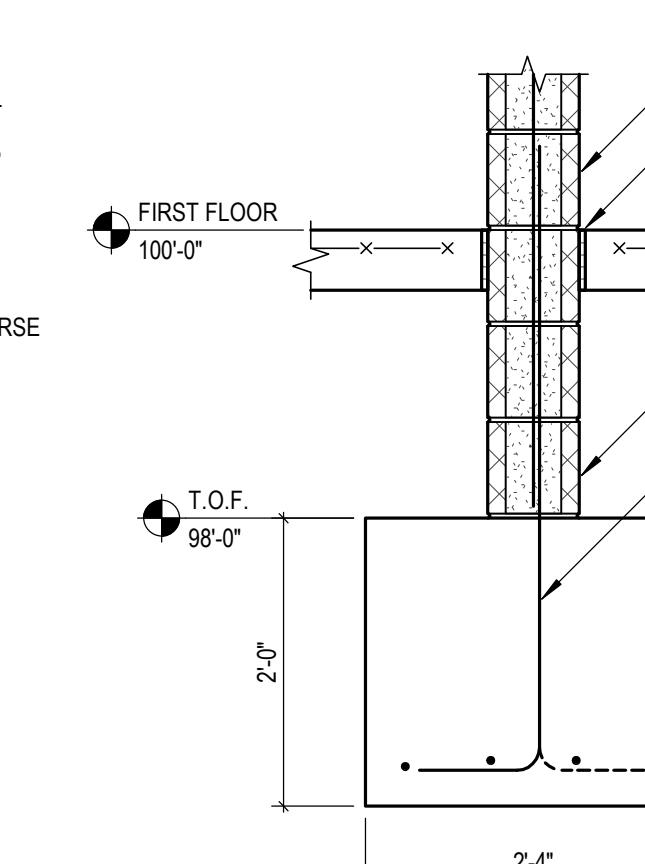
6 TYP INTERIOR ISOLATION JOINT  
S4.1 NOT TO SCALE



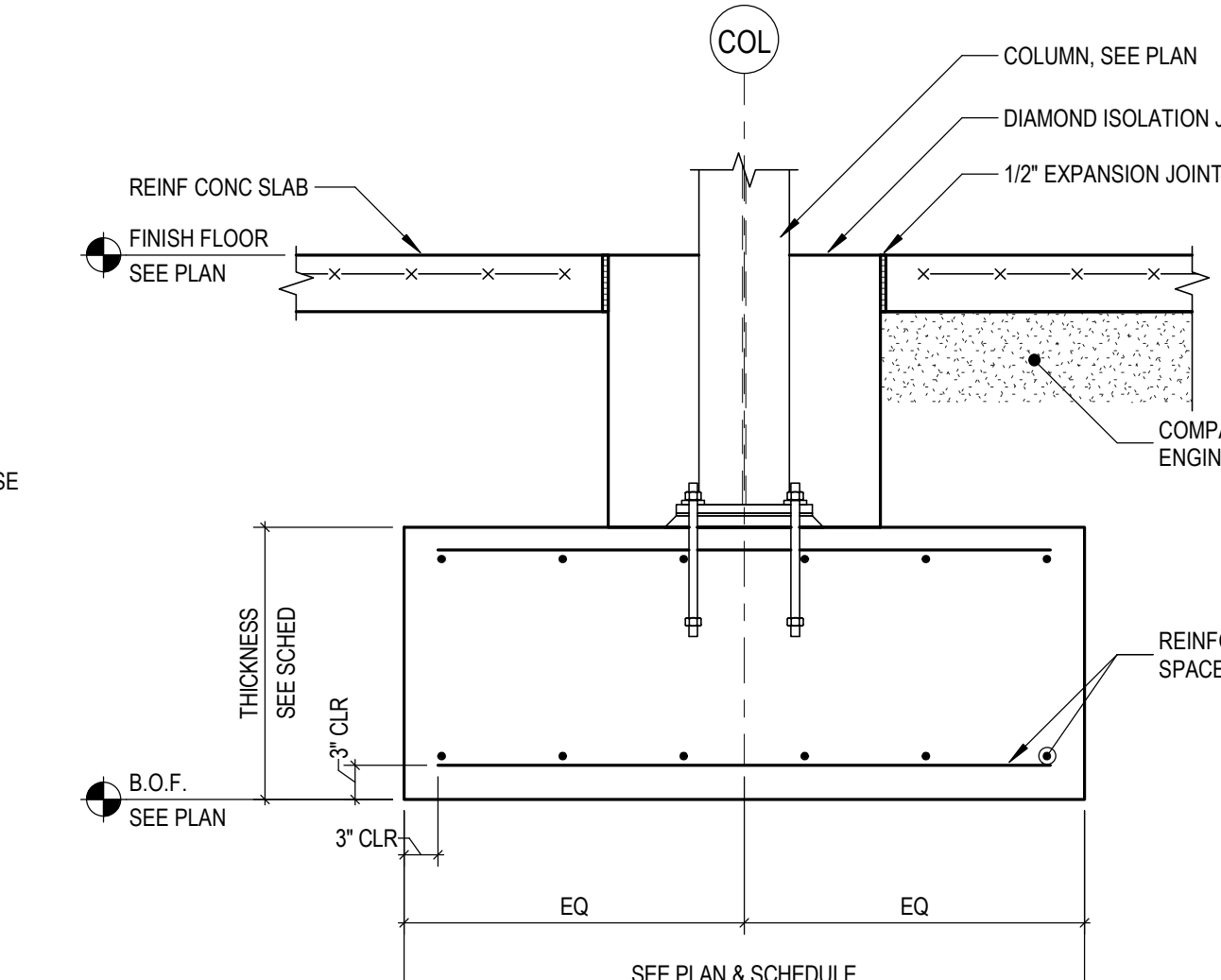
10 DETAIL  
S4.1 SCALE: 3/4" = 1'-0"



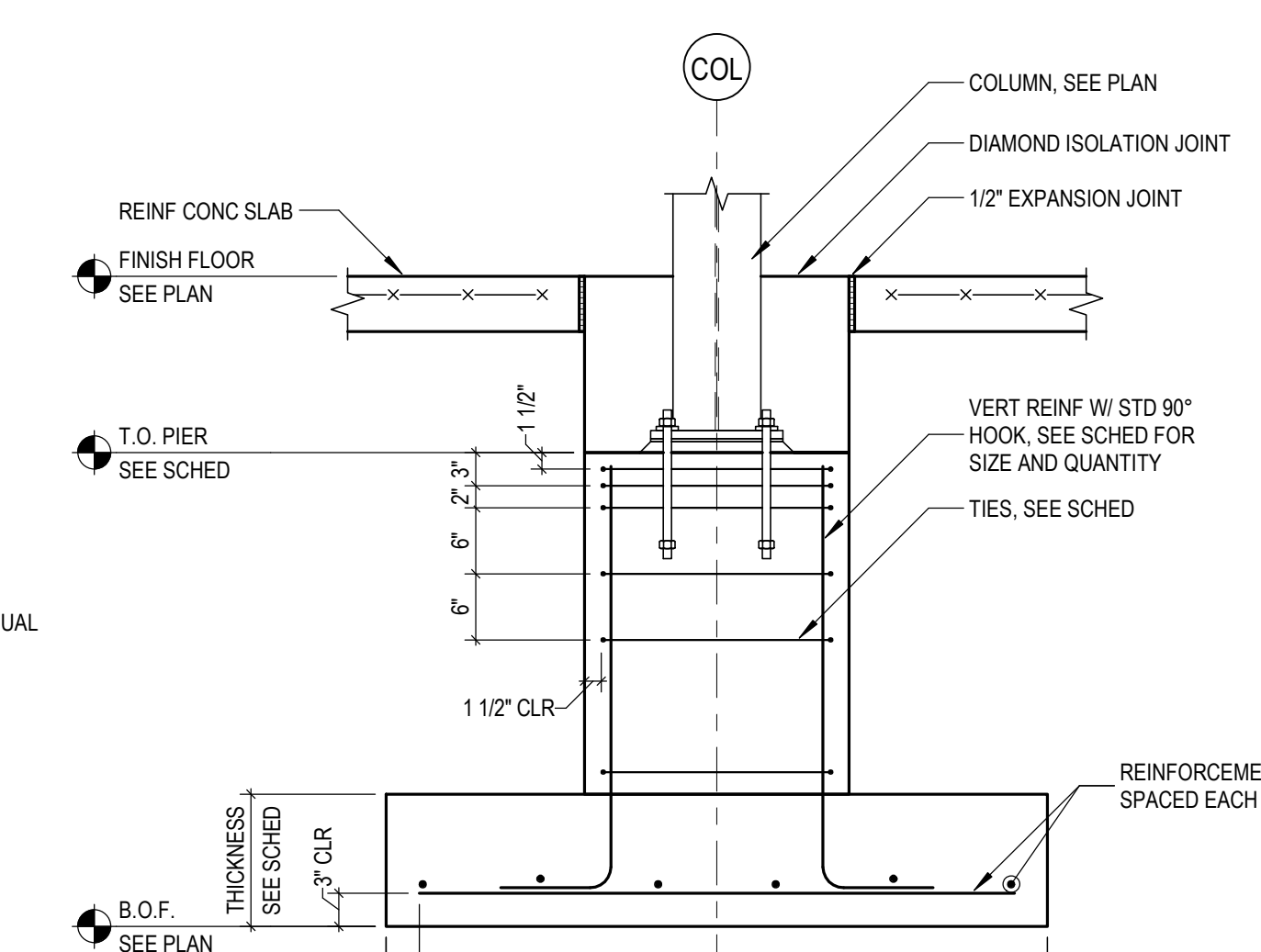
11 DETAIL  
S4.1 SCALE: 3/4" = 1'-0"



12 DETAIL  
S4.1 SCALE: 3/4" = 1'-0"

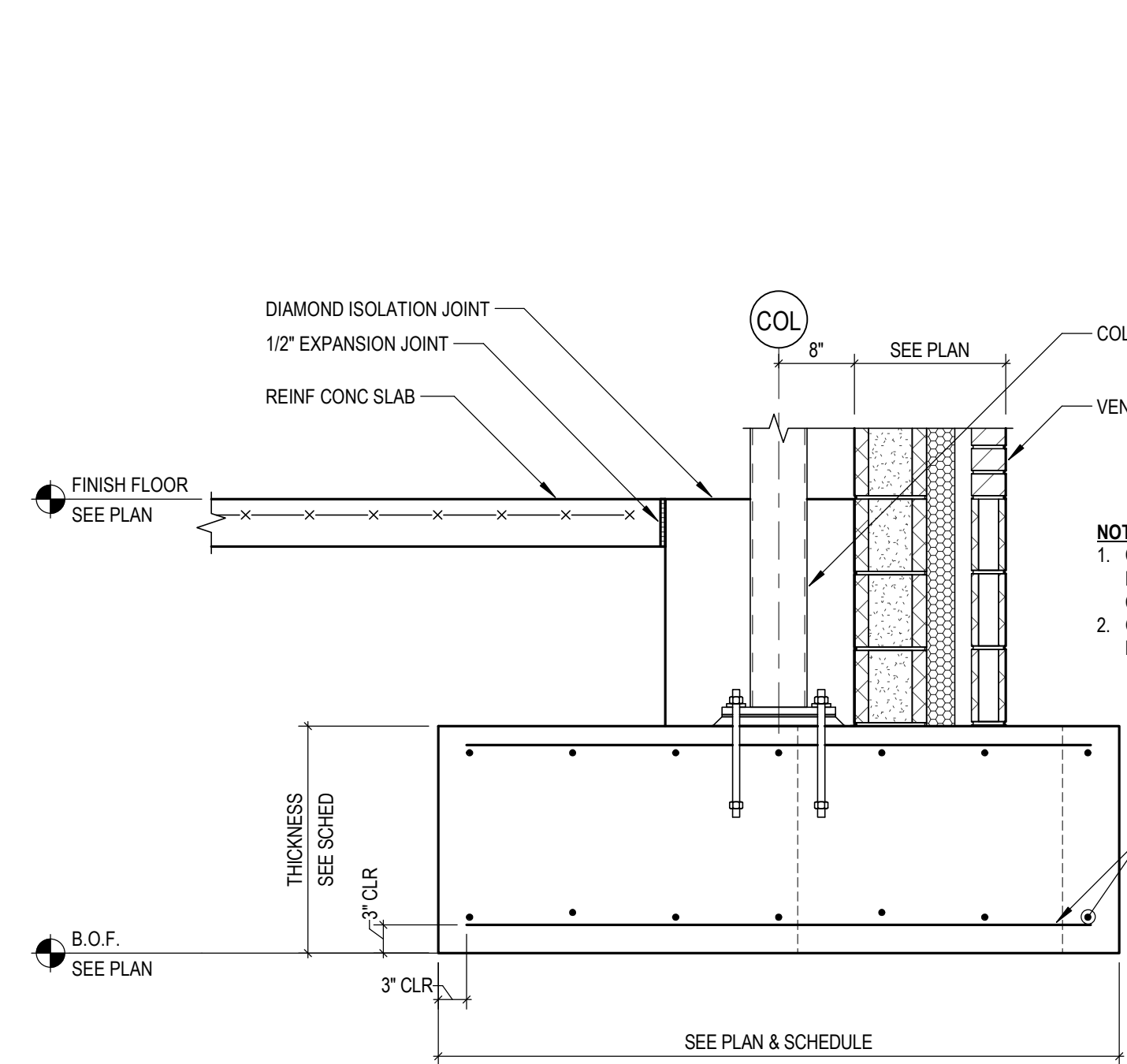


13 TYPICAL INTERIOR FOOTING W/ PIER  
S4.1 NOT TO SCALE

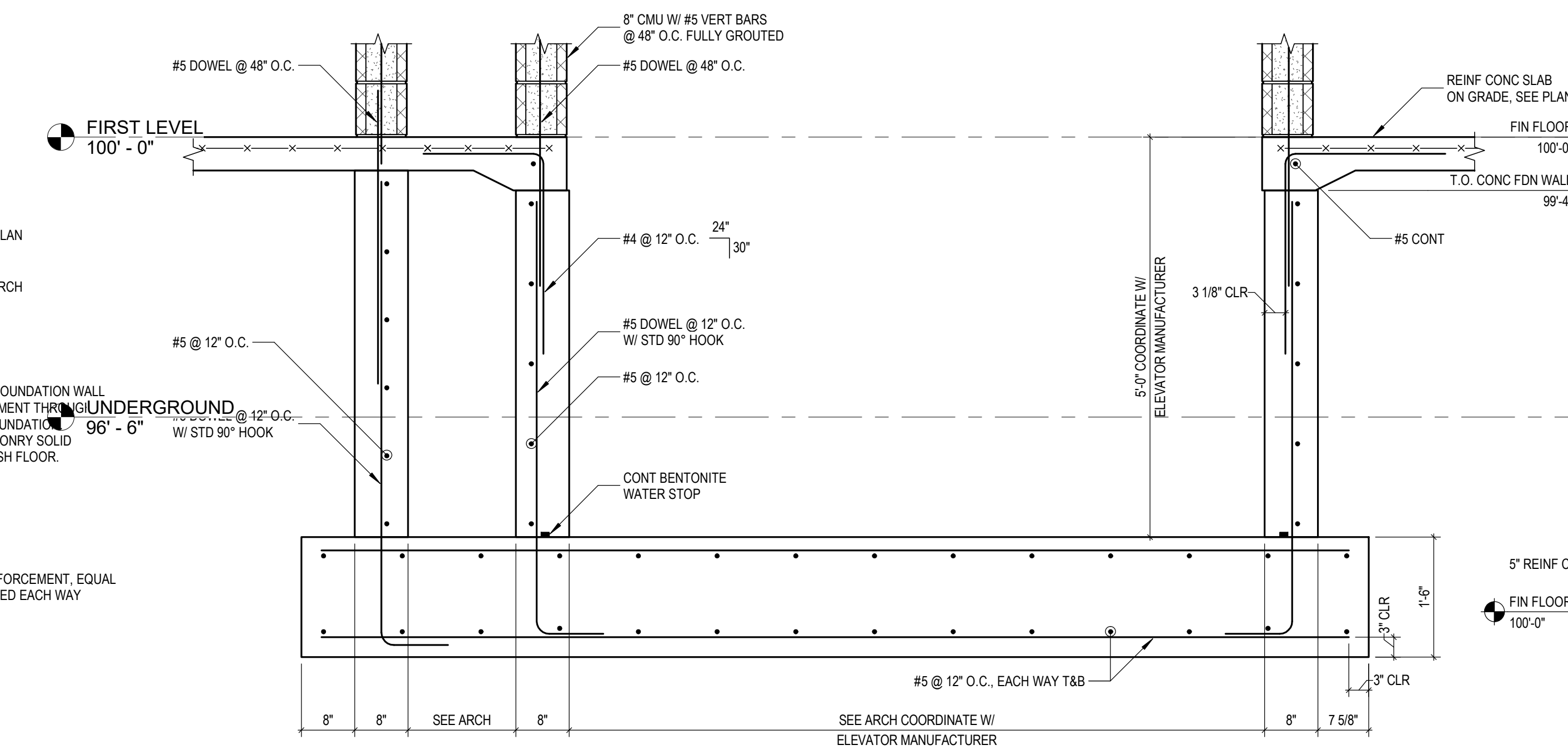


14 TYPICAL INTERIOR FOOTING  
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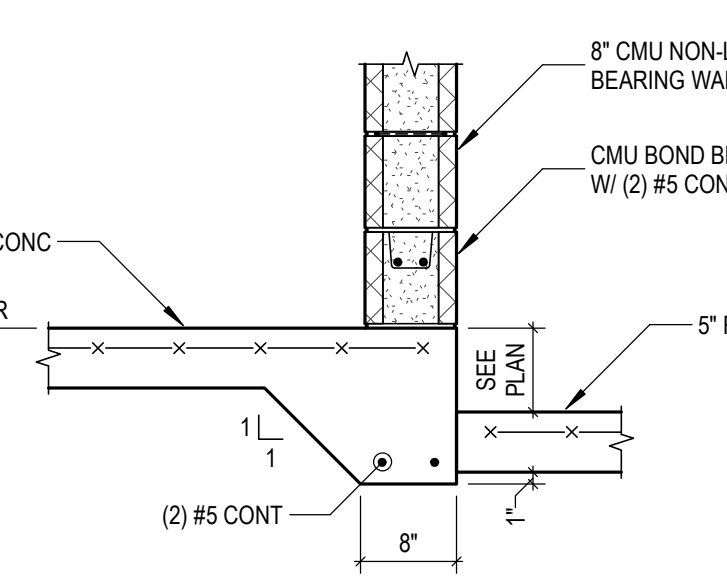
9 TYP FDN DETAIL AT UTILITY  
S4.1 NOT TO SCALE



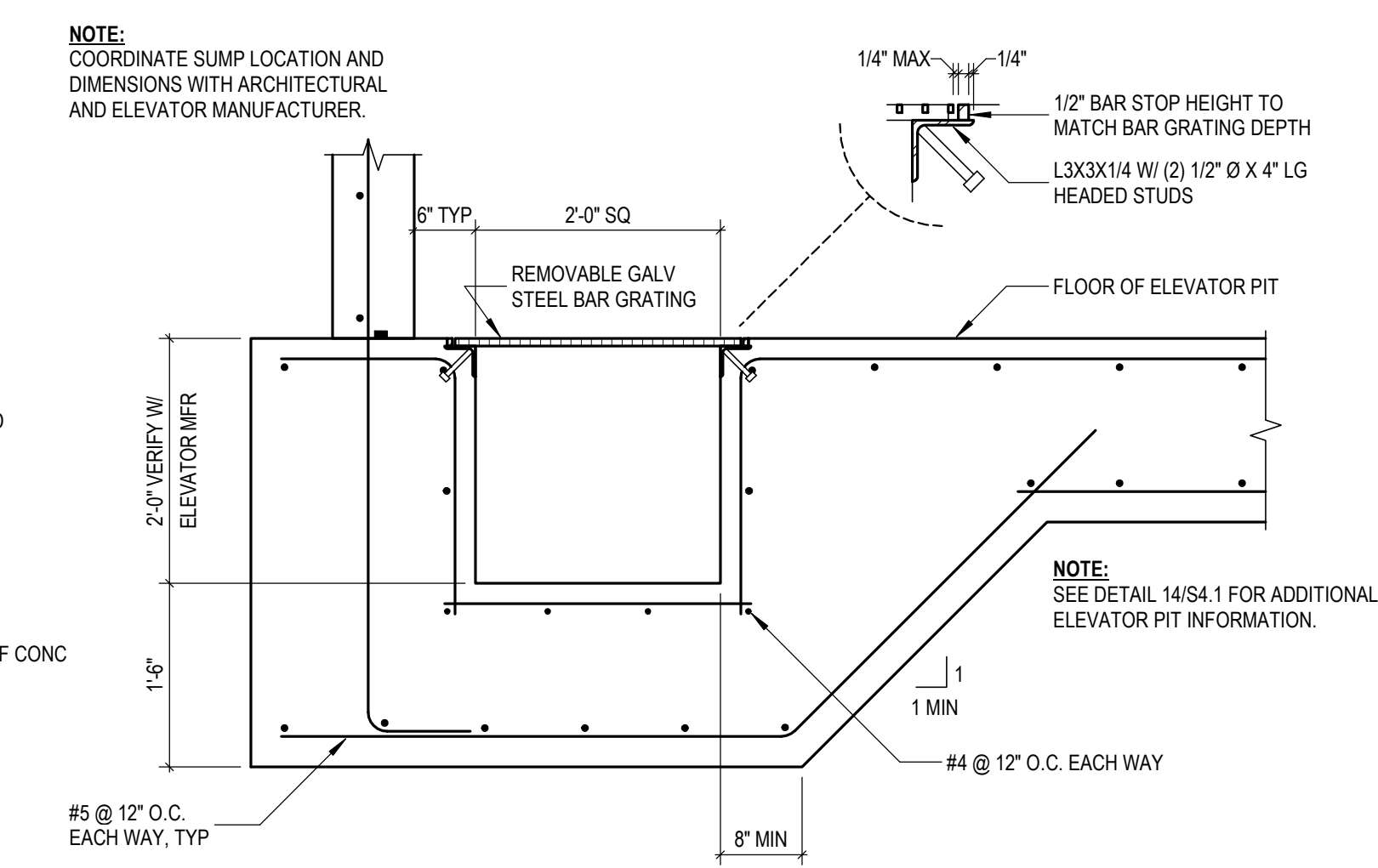
15 TYPICAL EXTERIOR FOOTING  
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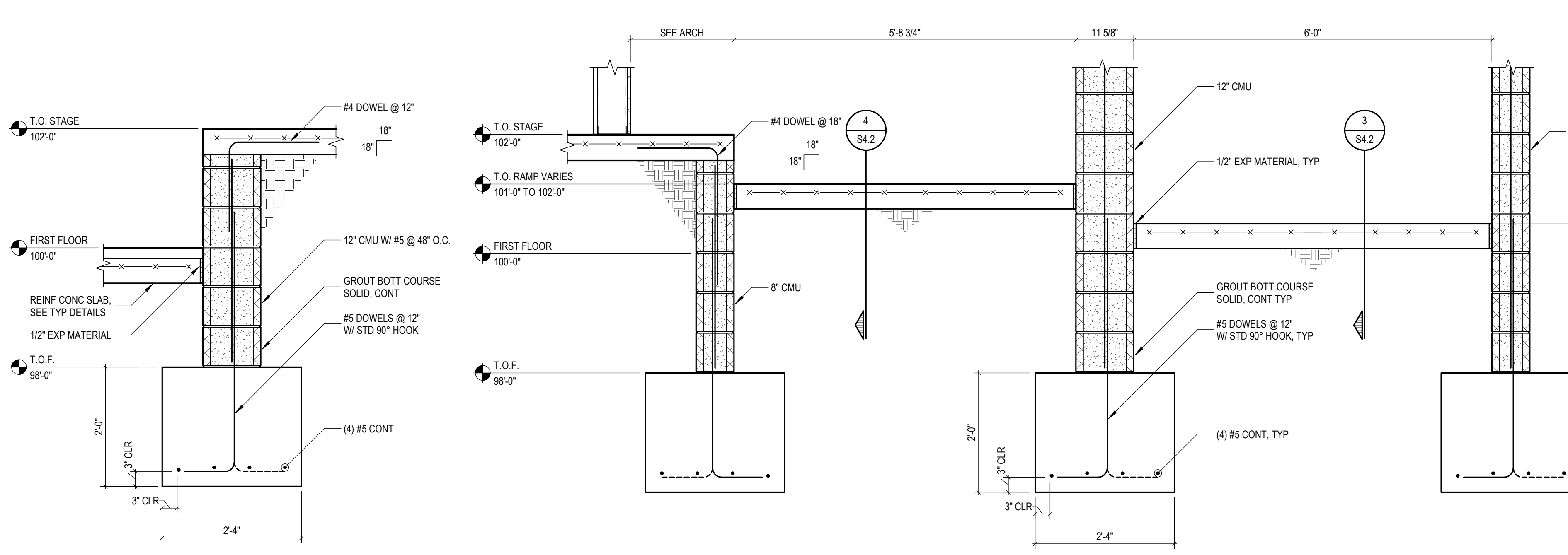
16 ELEVATOR PIT  
S4.1 SCALE: 3/4" = 1'-0"



17 DETAIL  
S4.1 SCALE: 3/4" = 1'-0"

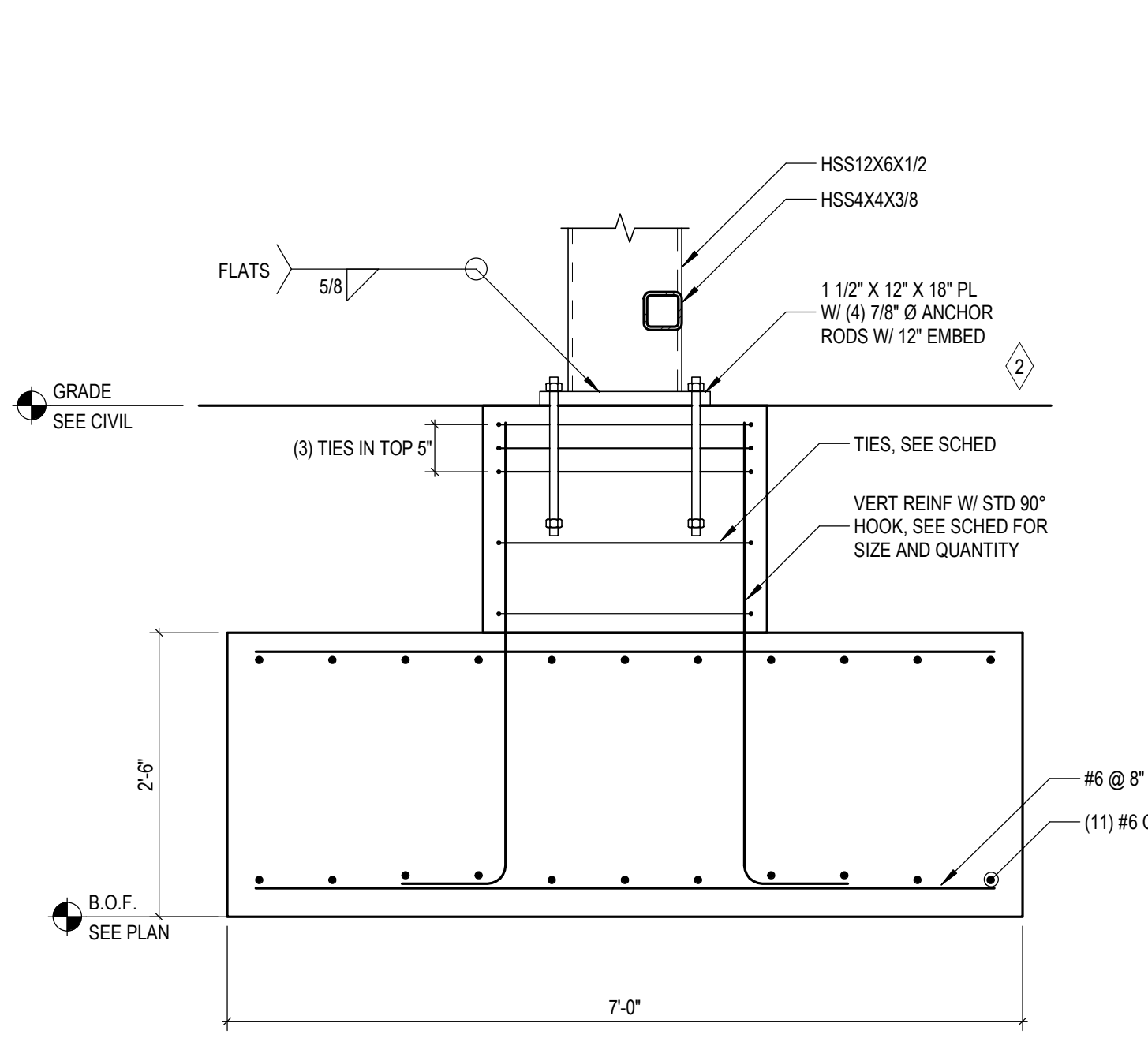


18 TYP PIT SUMP COVER  
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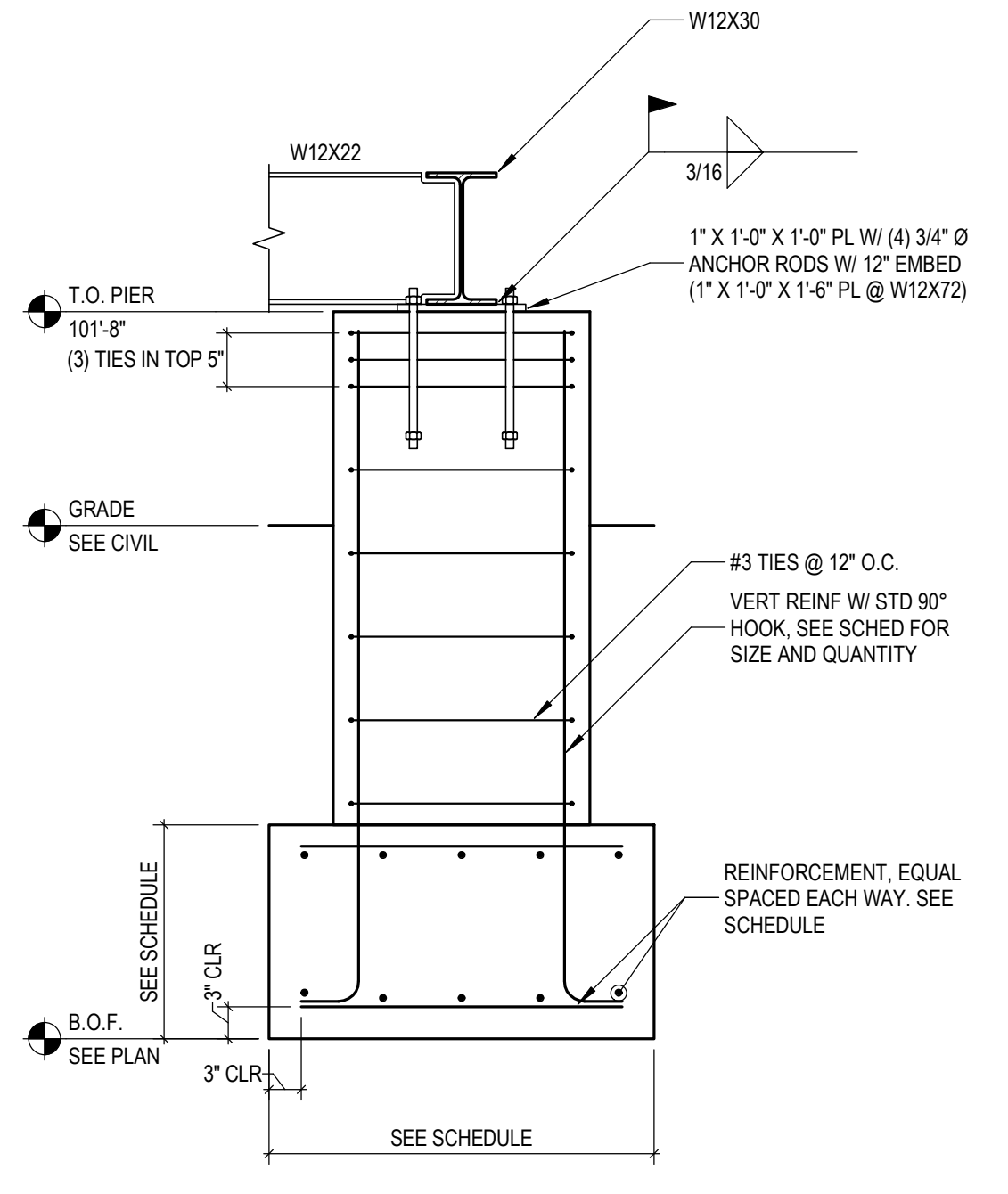


1 DETAIL  
S4.2 SCALE: 3/4" = 1'-0"

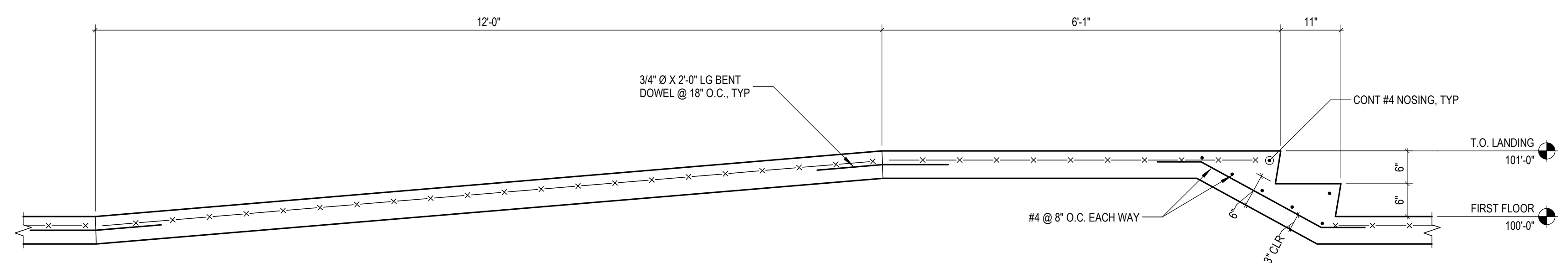
2 DETAIL  
S4.2 SCALE: 3/4" = 1'-0"



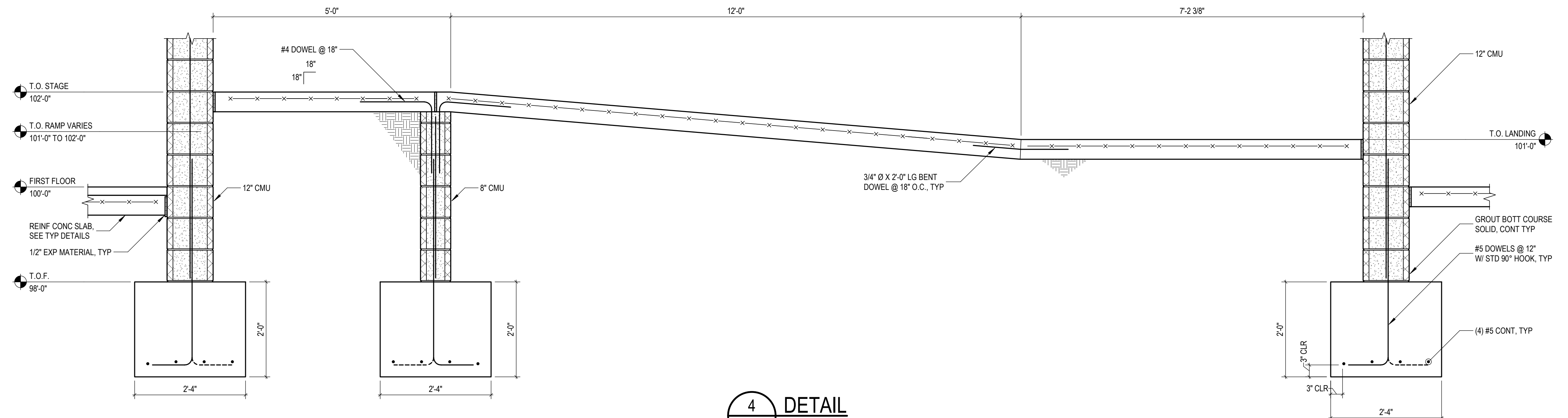
5 DETAIL  
S4.2 SCALE: 3/4" = 1'-0"



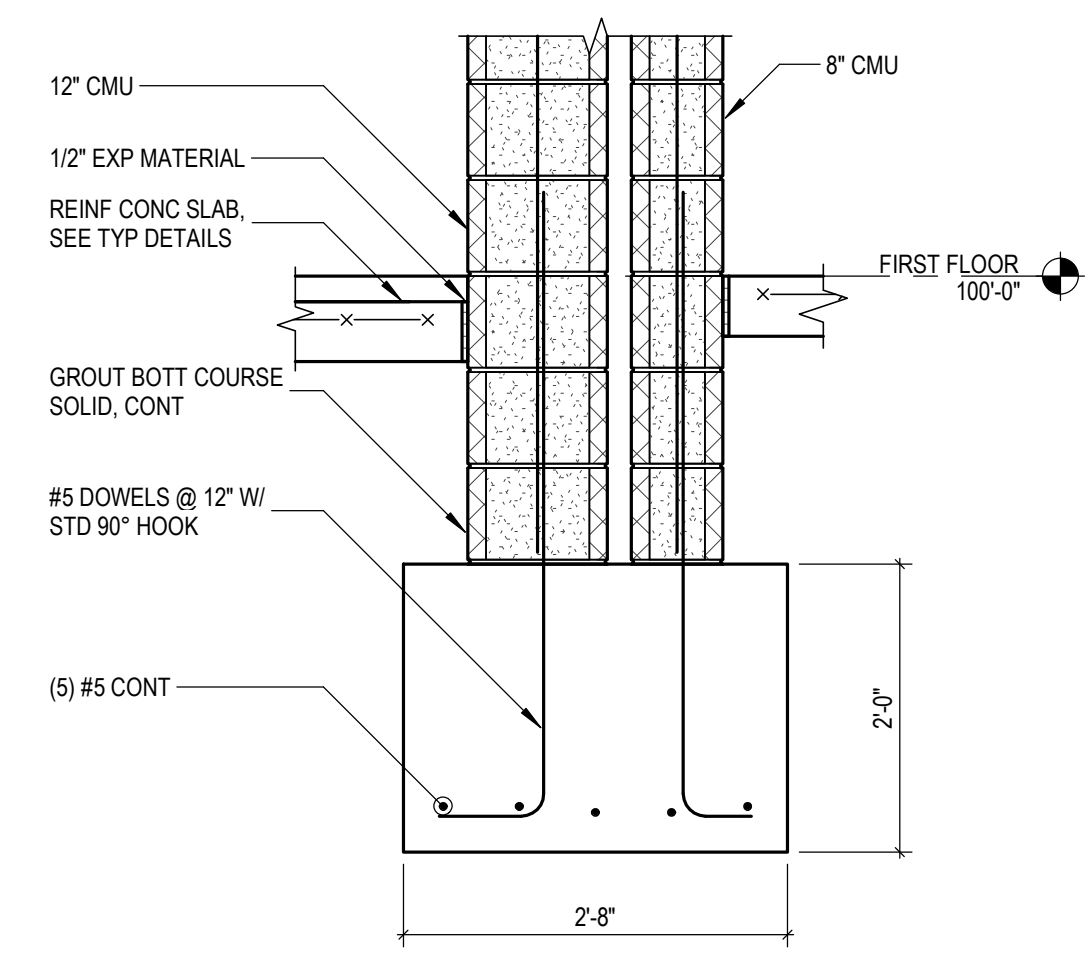
6 DETAIL  
S4.2 SCALE: 3/4" = 1'-0"



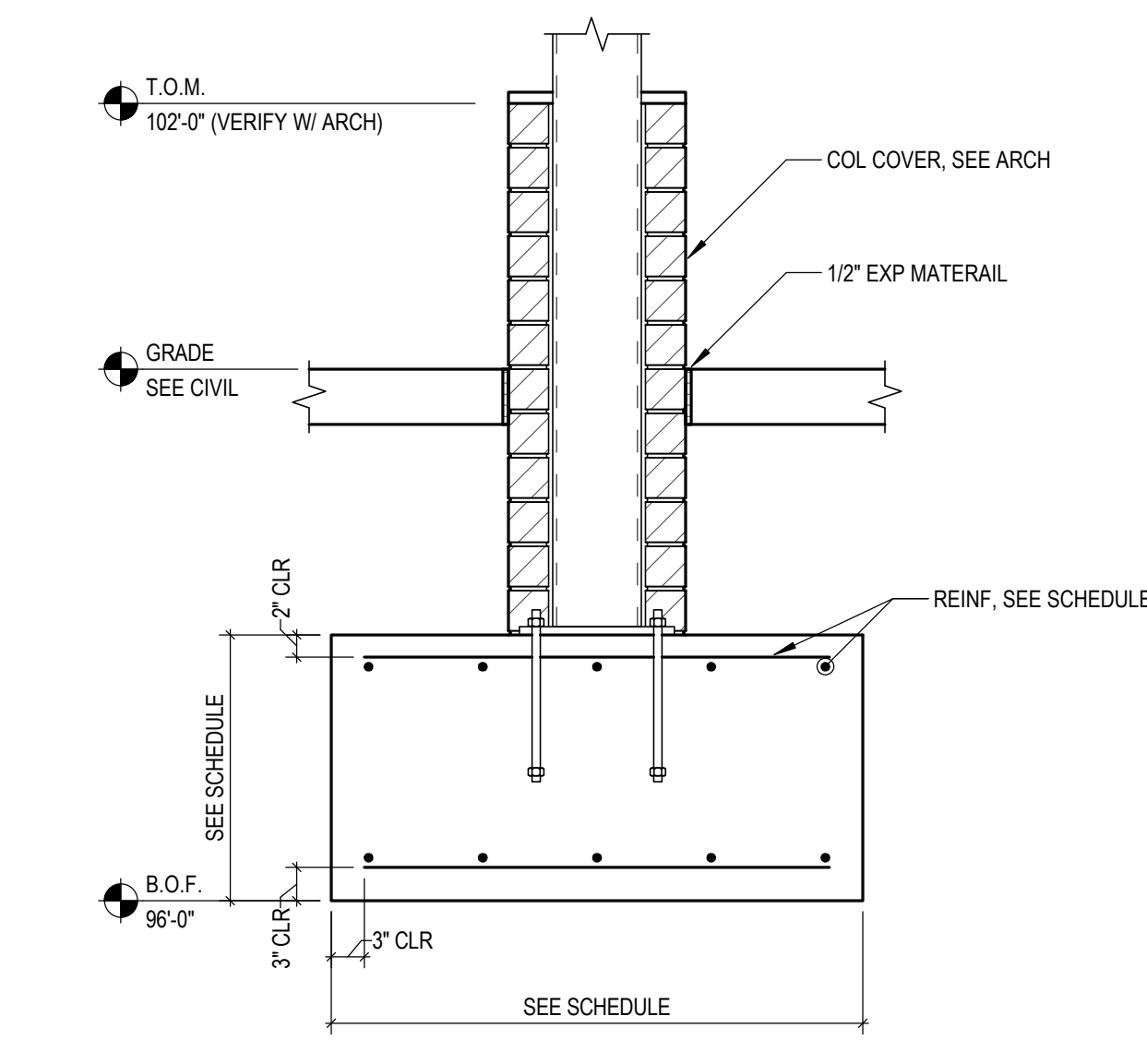
3 DETAIL  
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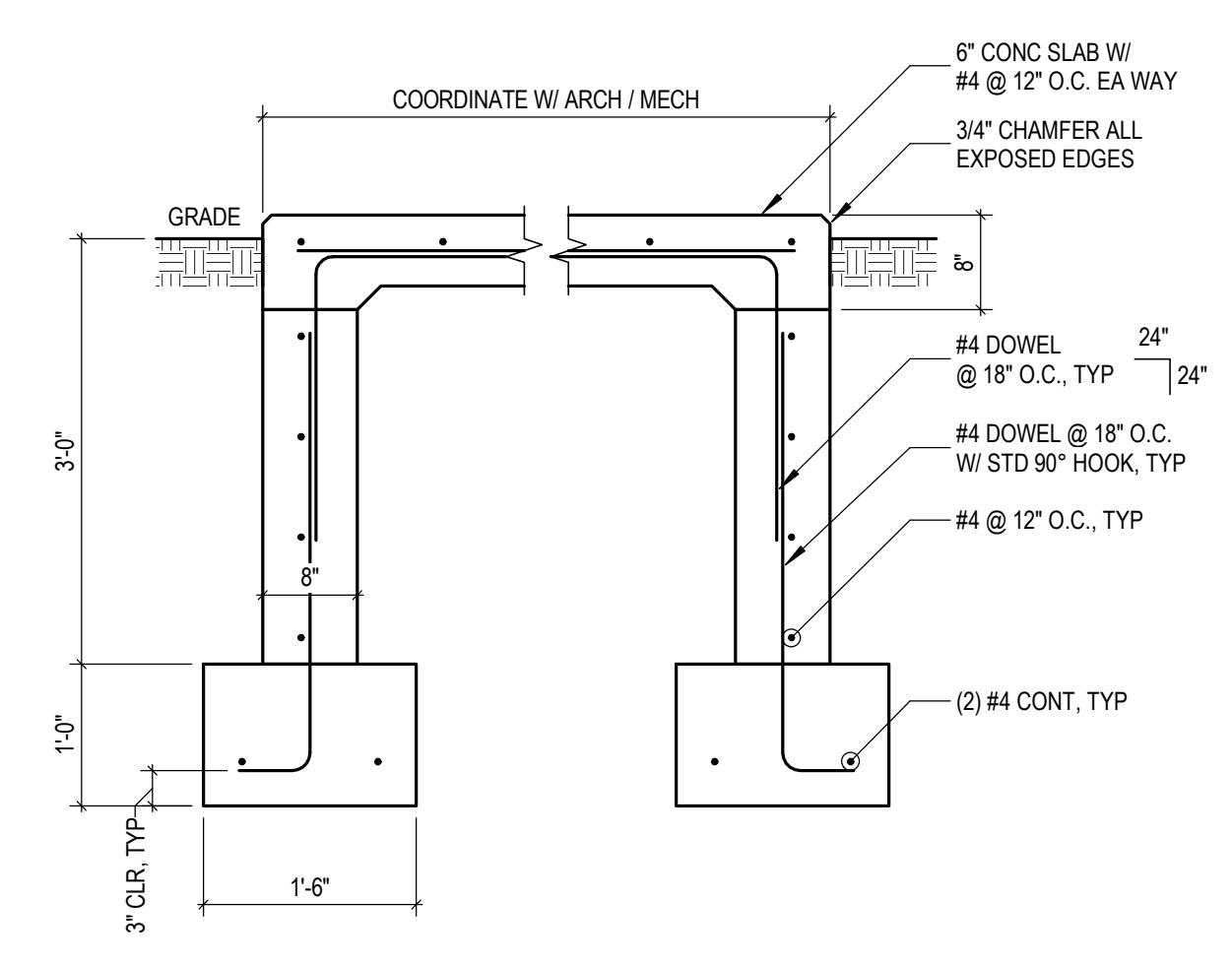
4 DETAIL  
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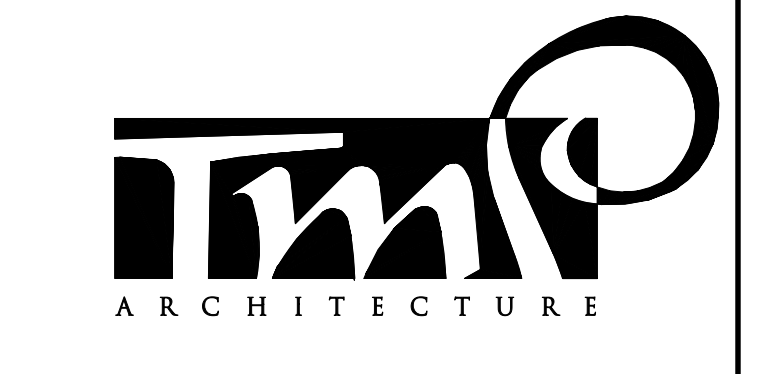
7 DETAIL  
S4.2 SCALE: 3/4" = 1'-0"



8 DETAIL  
S4.2 SCALE: 3/4" = 1'-0"



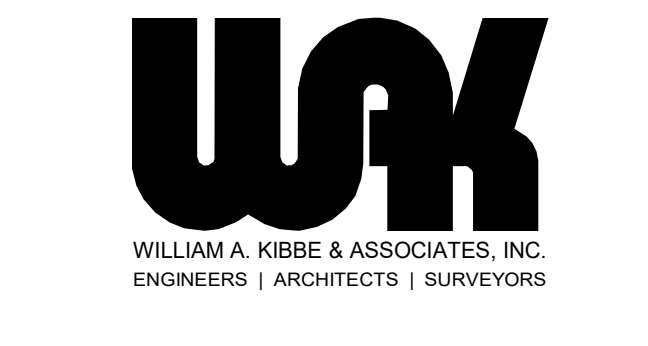
9 DETAIL  
S4.2 SCALE: 3/4" = 1'-0"



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REGISTRATION SEAL

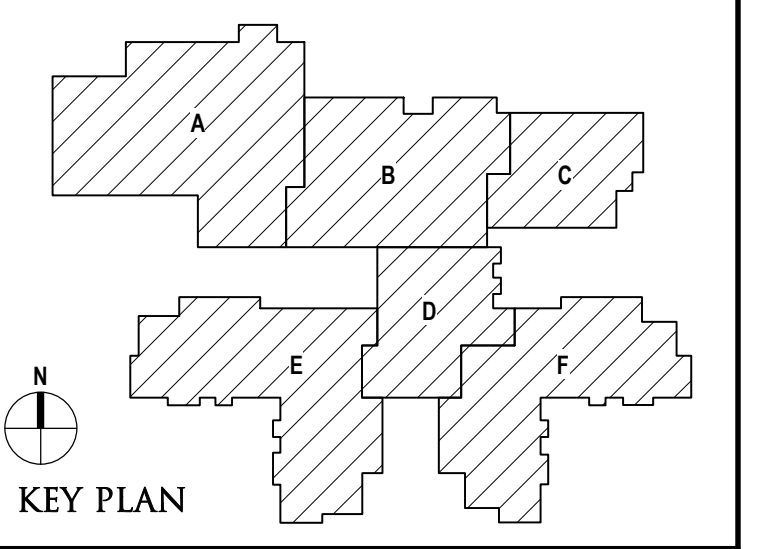
CONSULTANT



PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Concrete Details**



ISSUE DATES

DATE	ISSUED FOR:

06-18-2024	CONSTRUCTION DOCUMENTS
02-28-2024	ADDENDUM NO. 2
01-23-2024	CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN: D. BART  
CHECKED: B. KANNERS  
APPROVED: E. MANNOR

PROJECT NO.  
**22102**  
DRAWING NO.  
**S4.2**

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6/17/2024 10:35:35 AM





TMP ARCHITECTURE INC  
1191 WEST SQUARE LAKE ROAD  
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REGISTRATION SEAL

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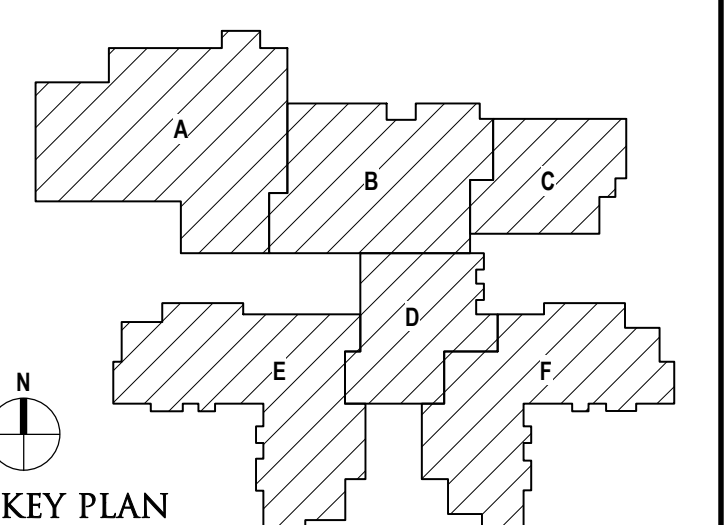


WILLIAM A. KIRBE & ASSOCIATES, INC.  
ENGINEERS | ARCHITECTS | SURVEYORS

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Masonry Details**

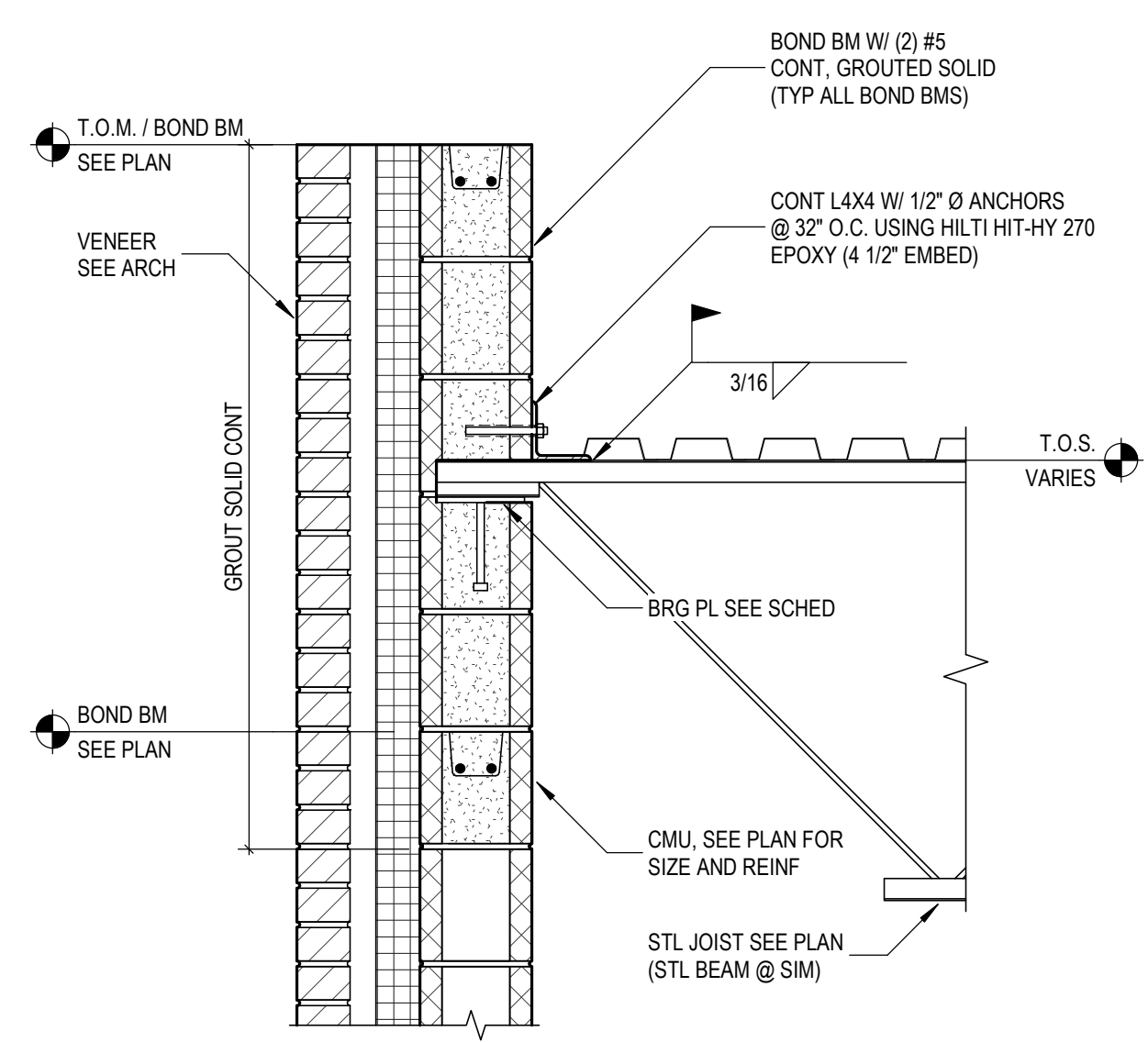


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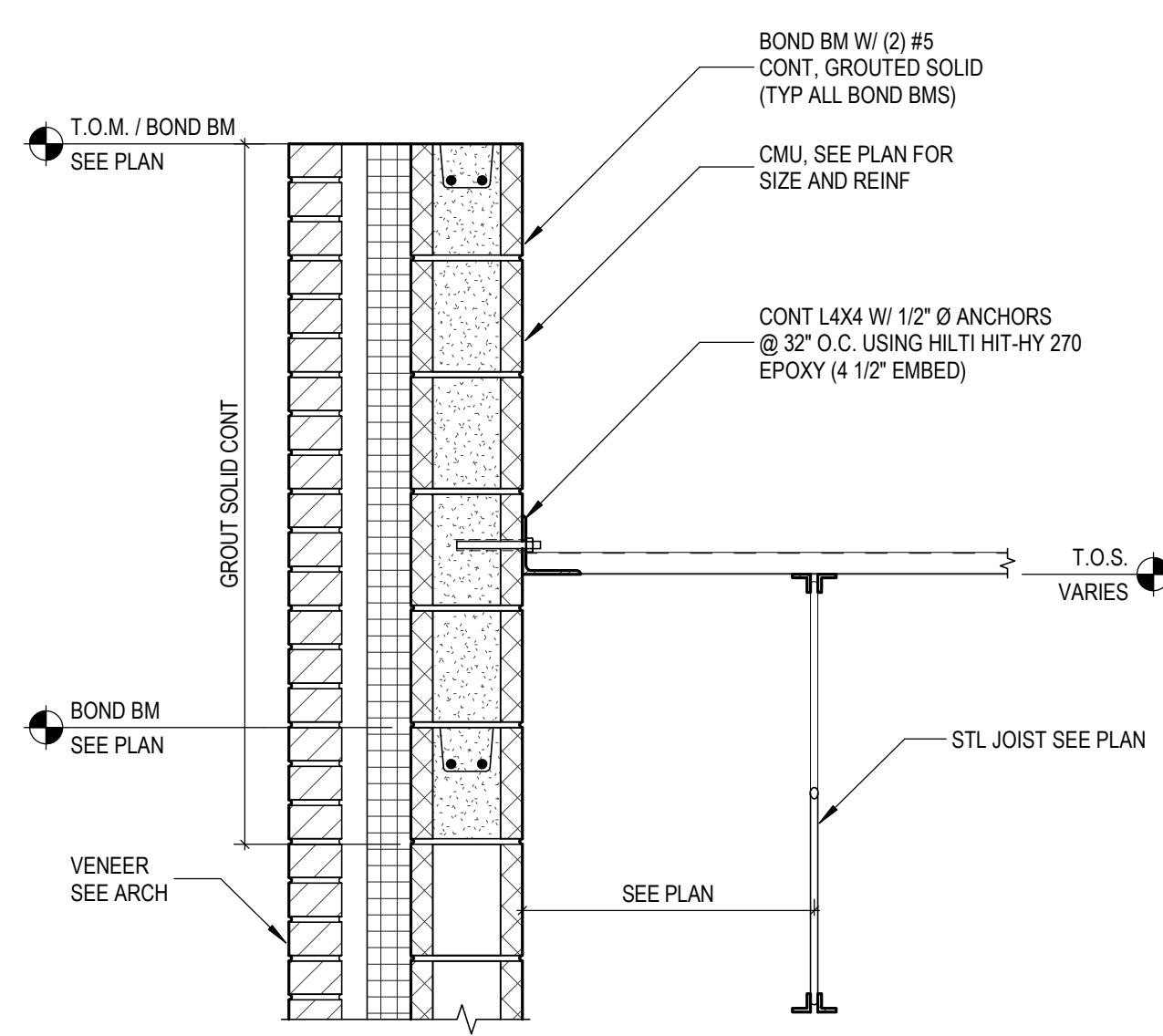
DATE	ISSUED FOR:
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05-30-2024	BULLETIN NO. 1
02-08-2024	ADDENDUM NO. 2
01-23-2024	CONSTRUCTION DOCUMENTS

DRAWN: D. BART  
CHECKED: B. KANNERS  
APPROVED: E. MANNOR

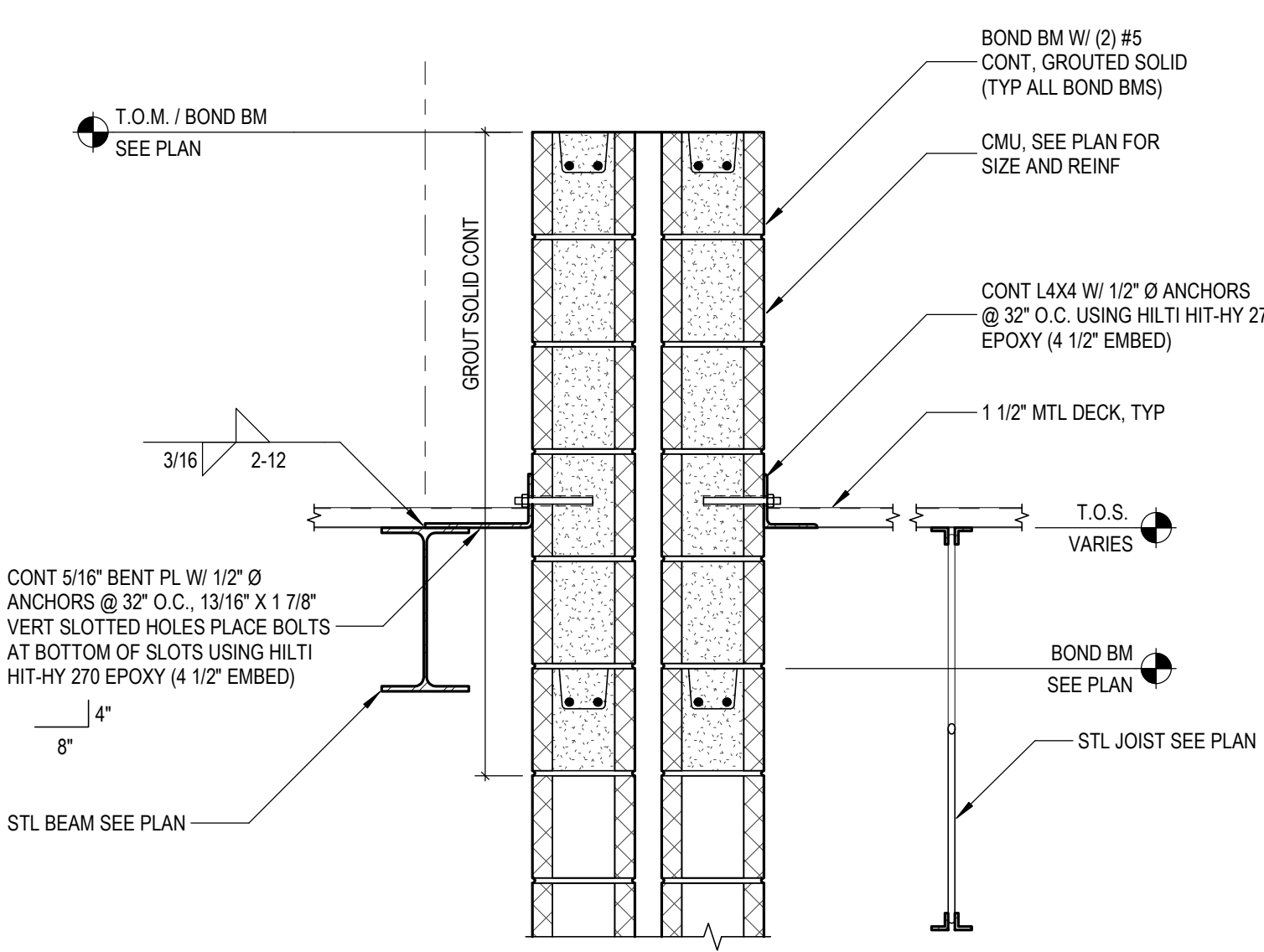
PROJECT NO.  
**22102**  
DRAWING NO.  
**S5.2**



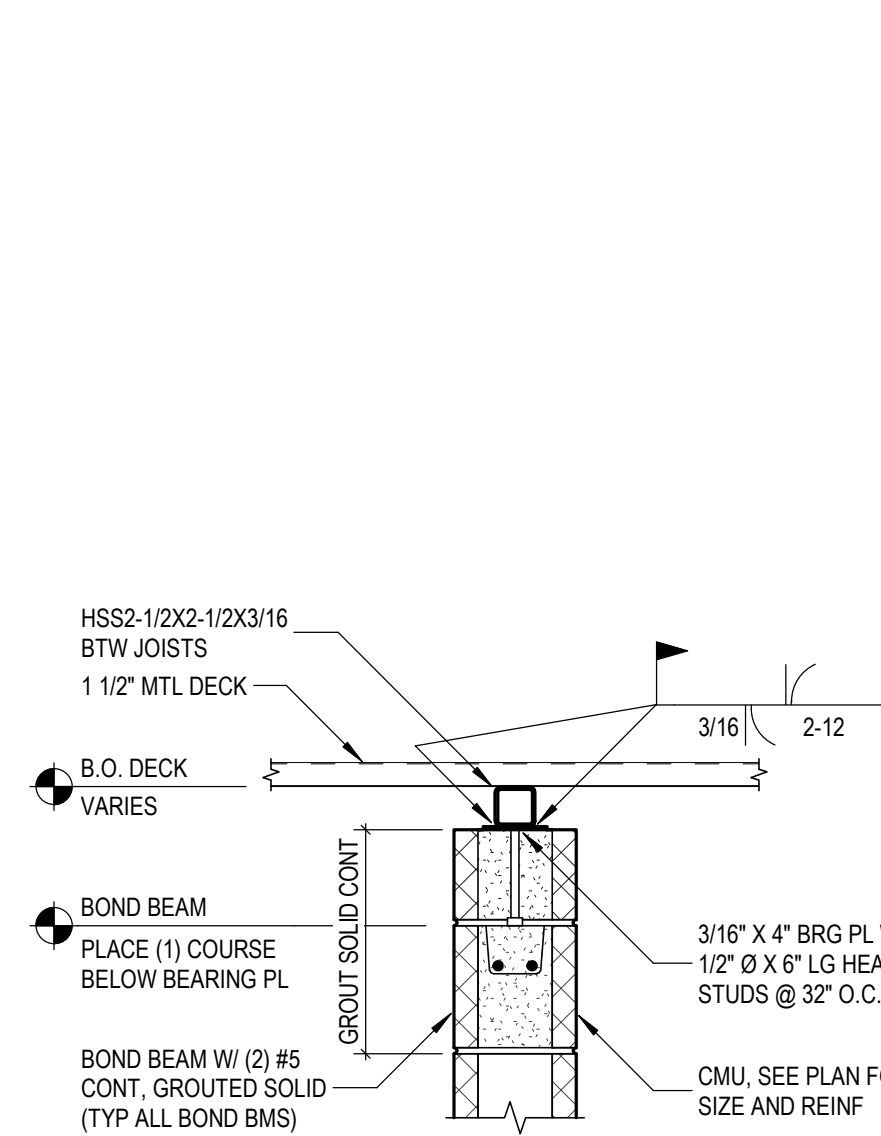
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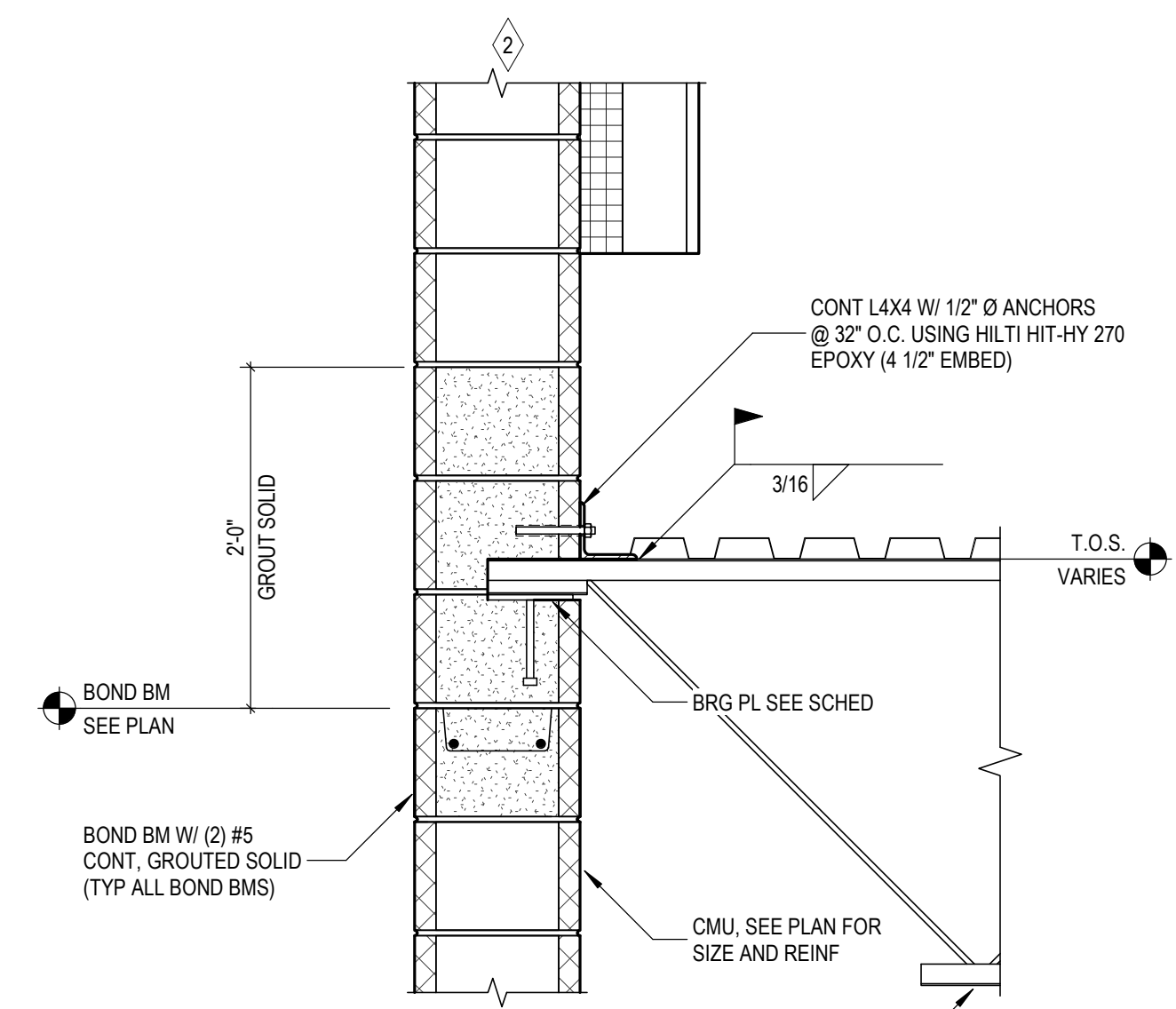
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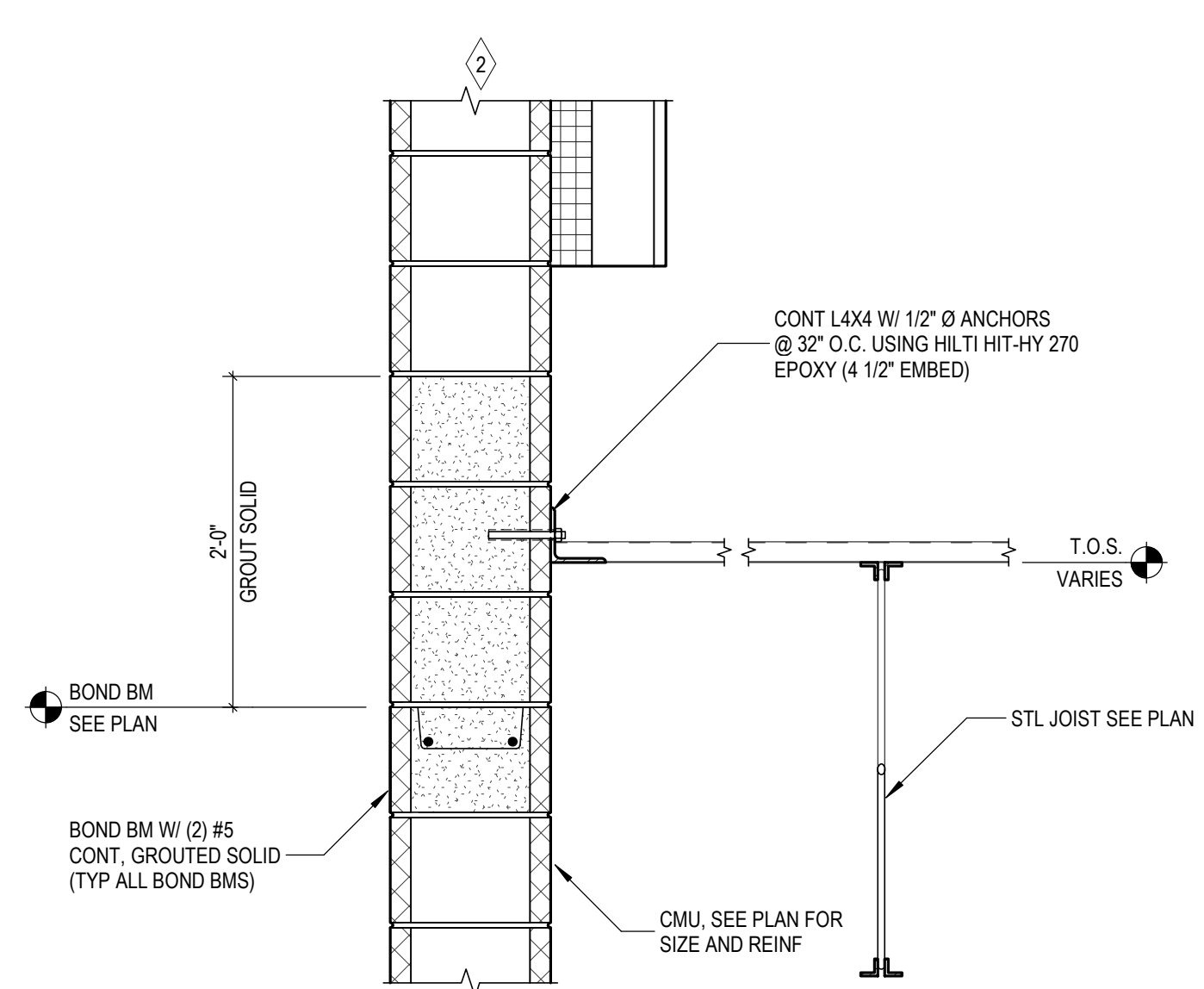
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S5.2 SCALE: 1" = 1'-0"



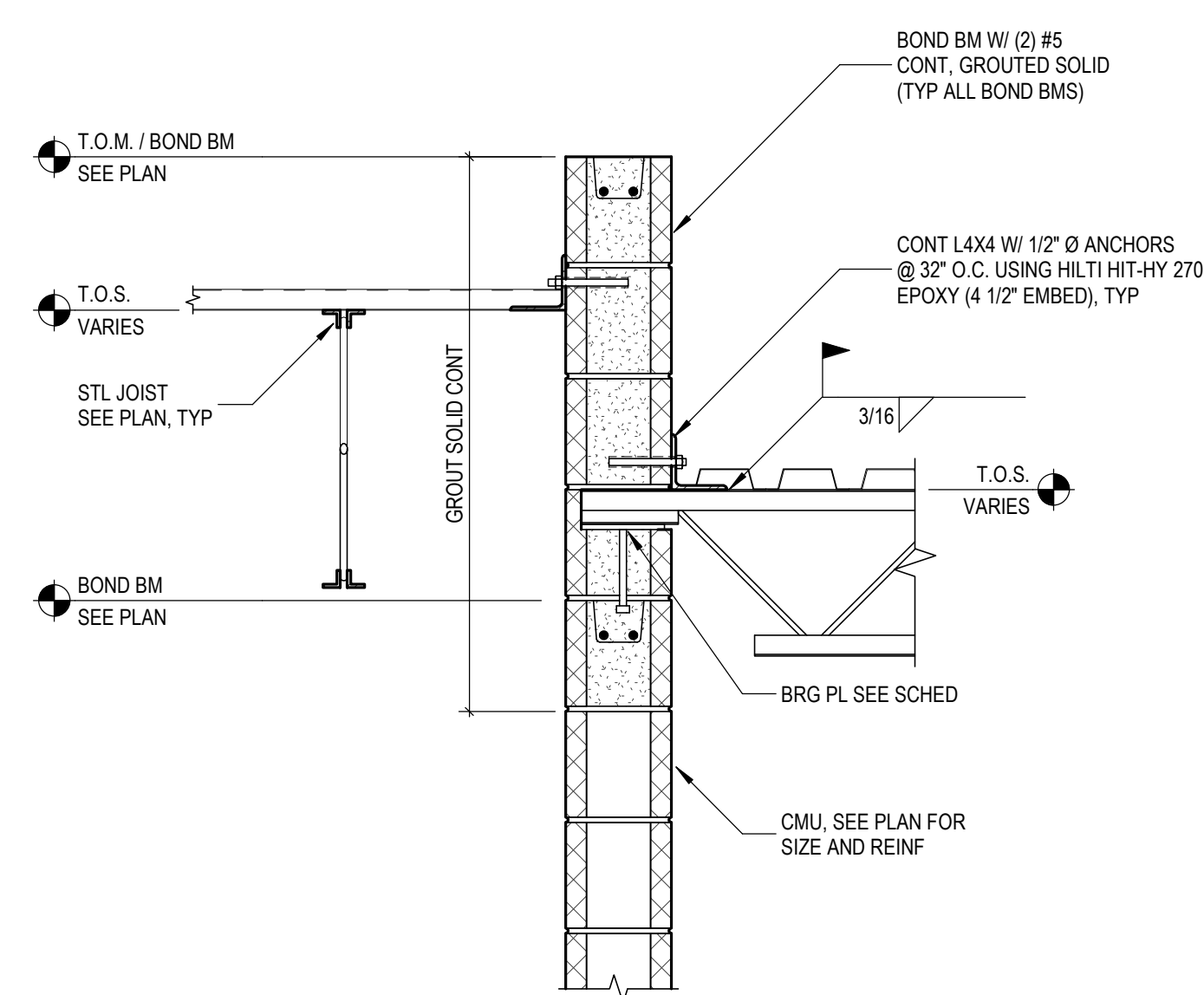
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S5.2 SCALE: 1" = 1'-0"



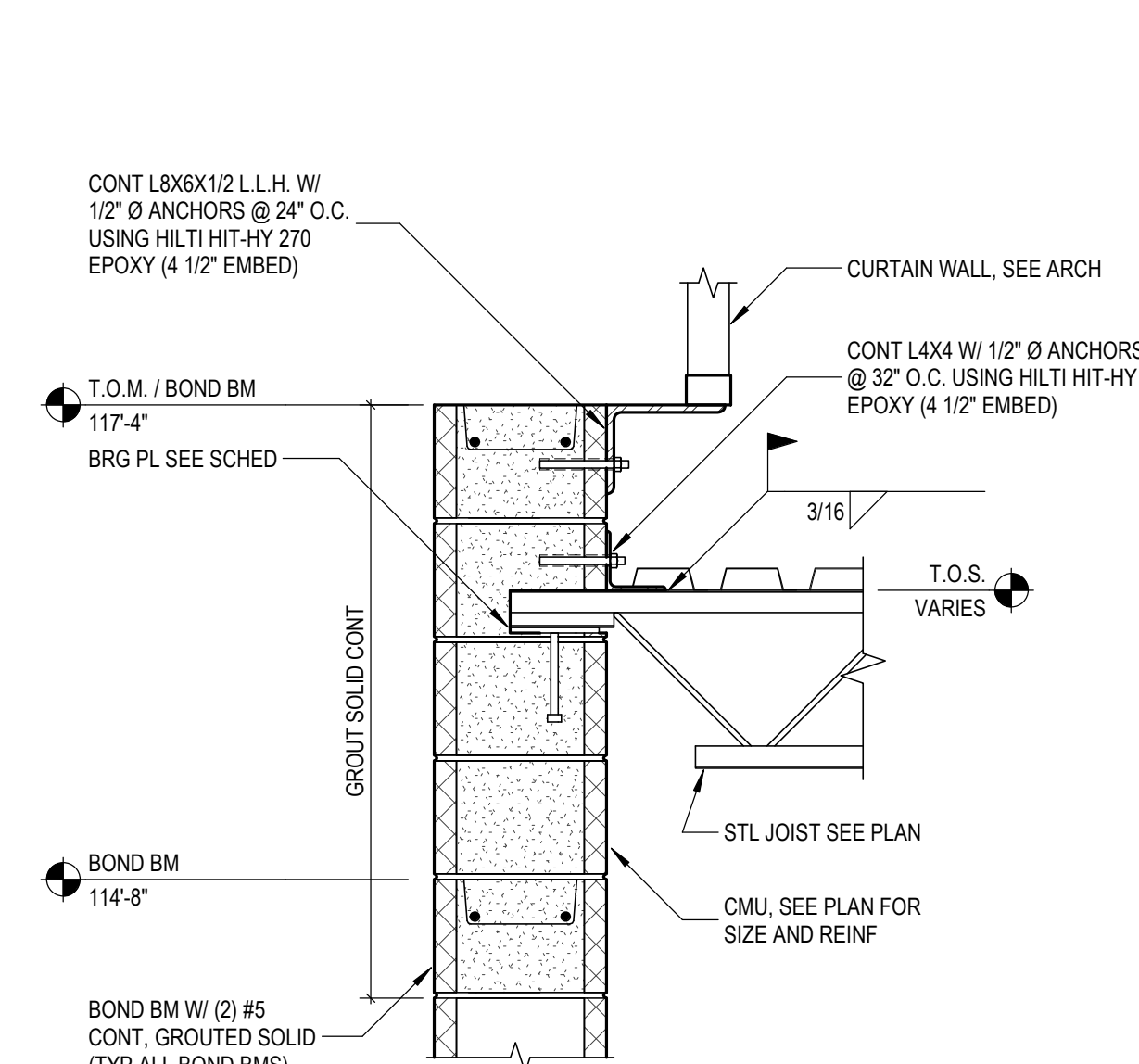
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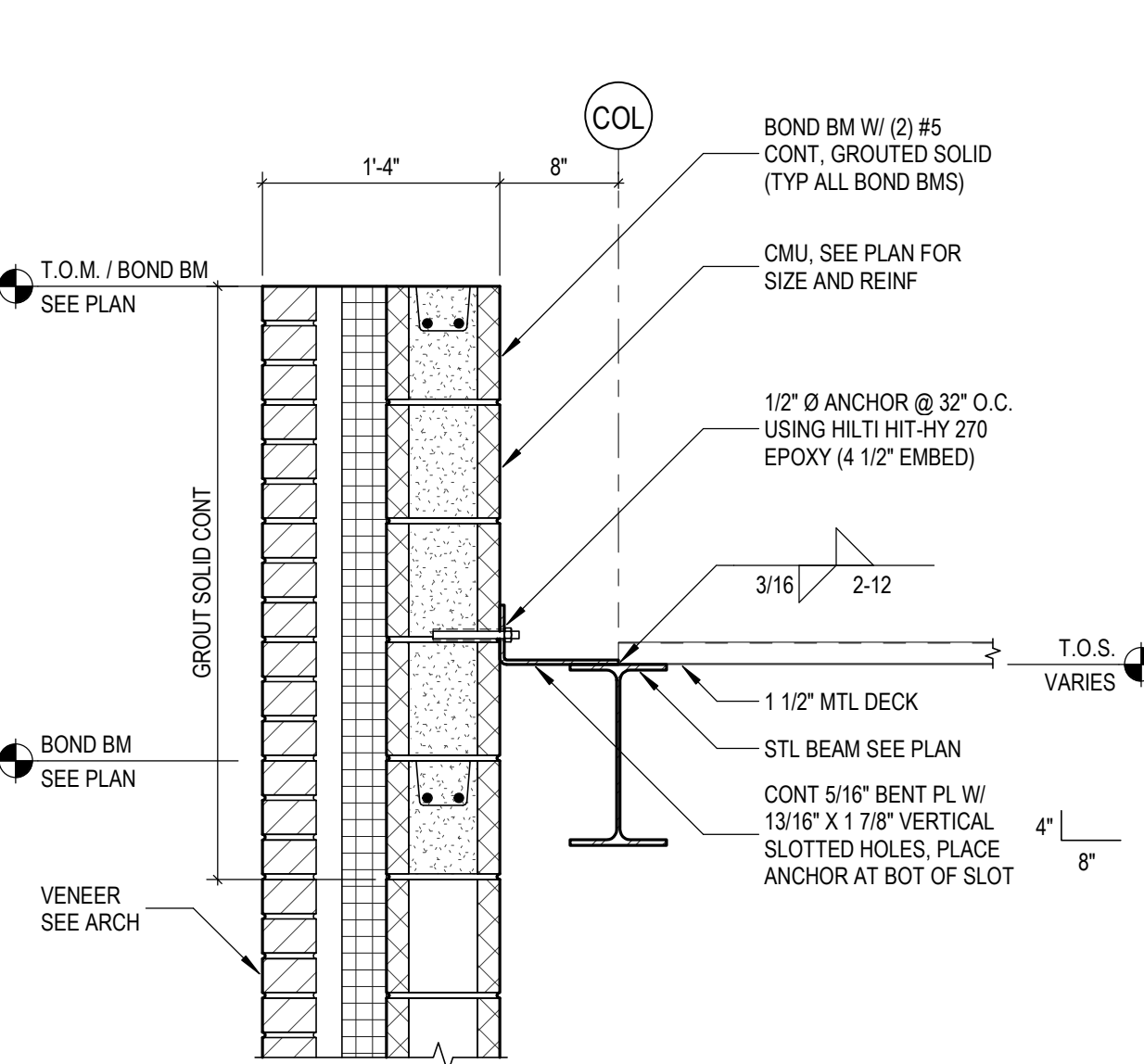
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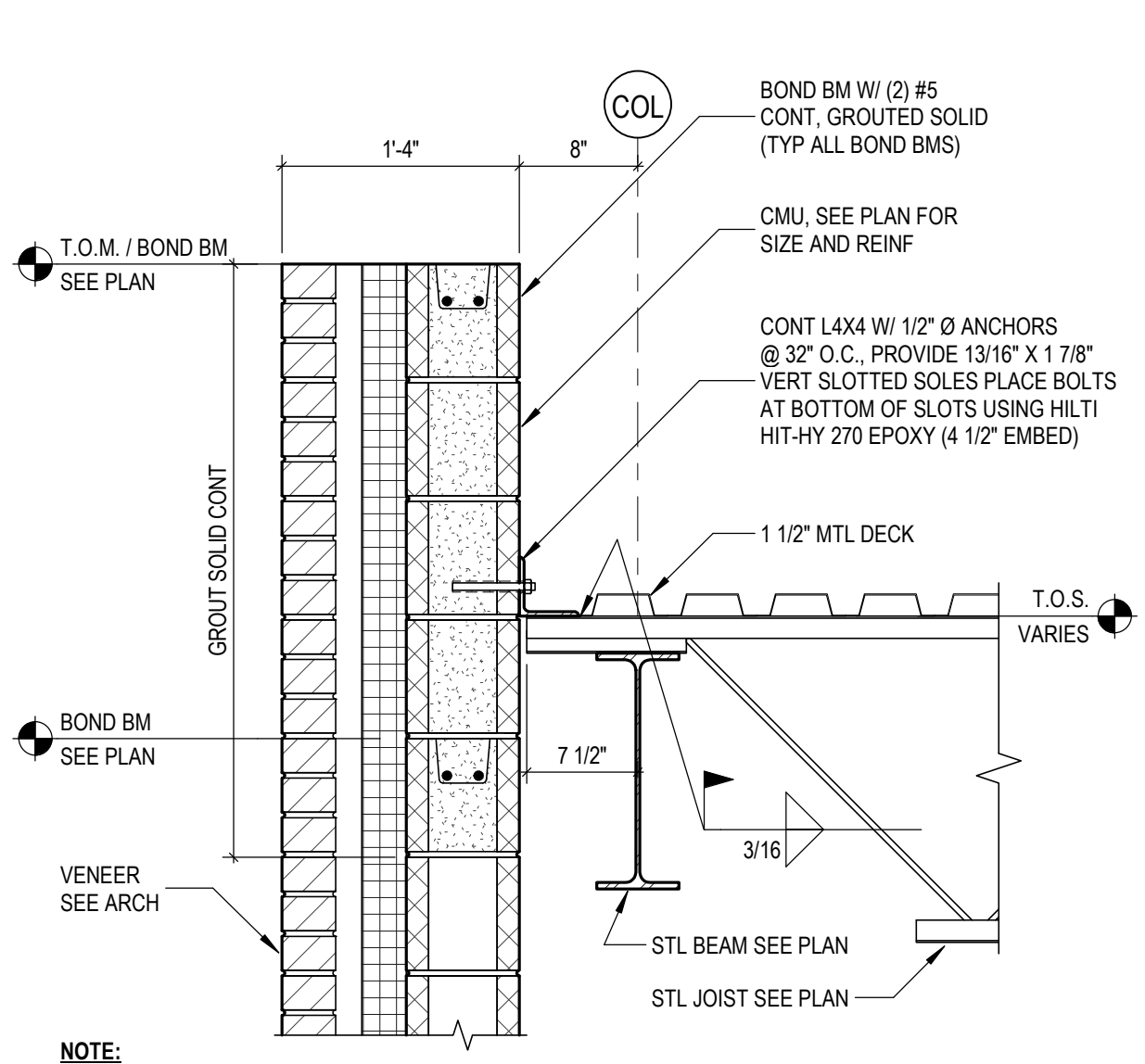
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S5.2 SCALE: 1" = 1'-0"



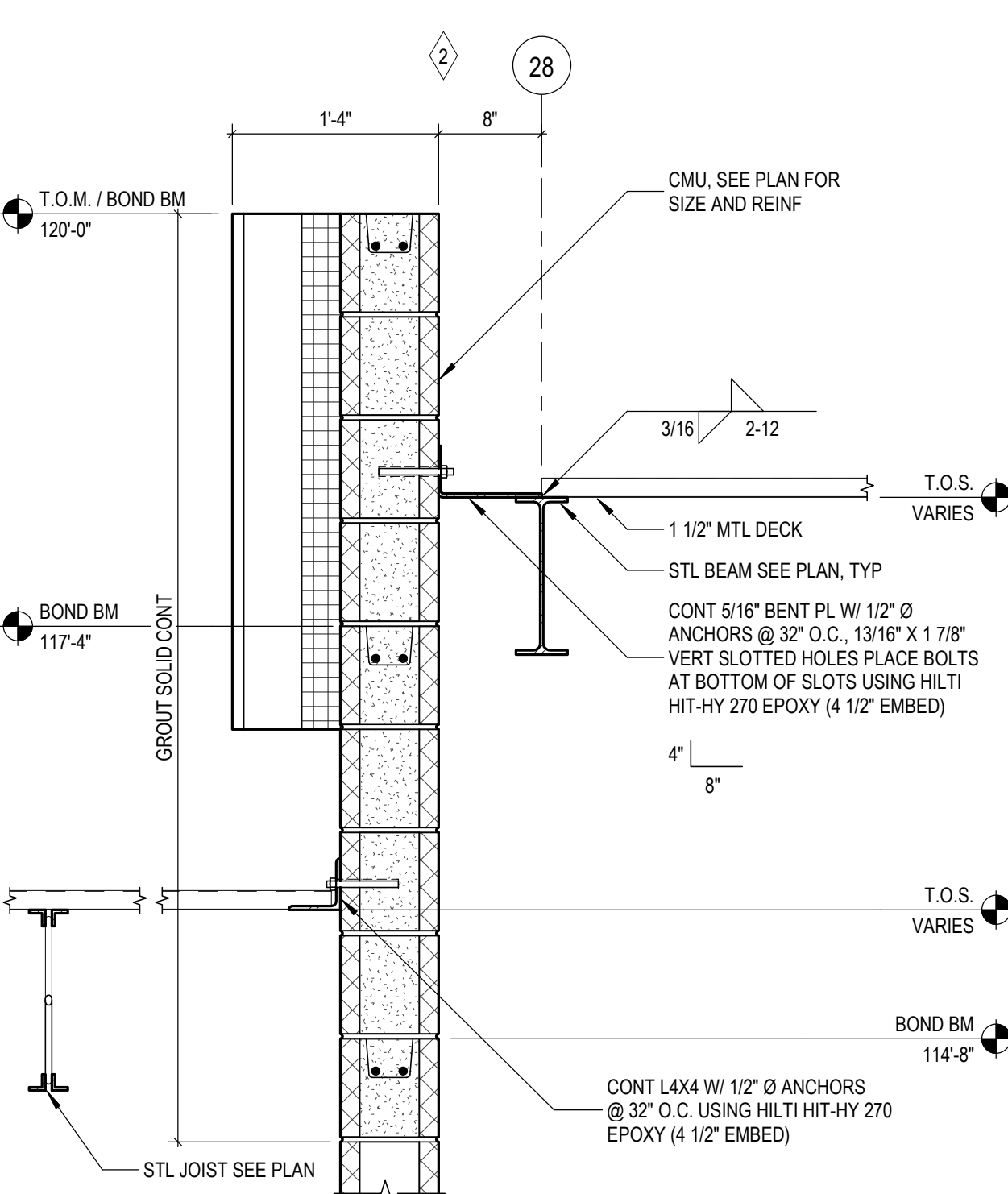
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S5.2 SCALE: 1" = 1'-0"



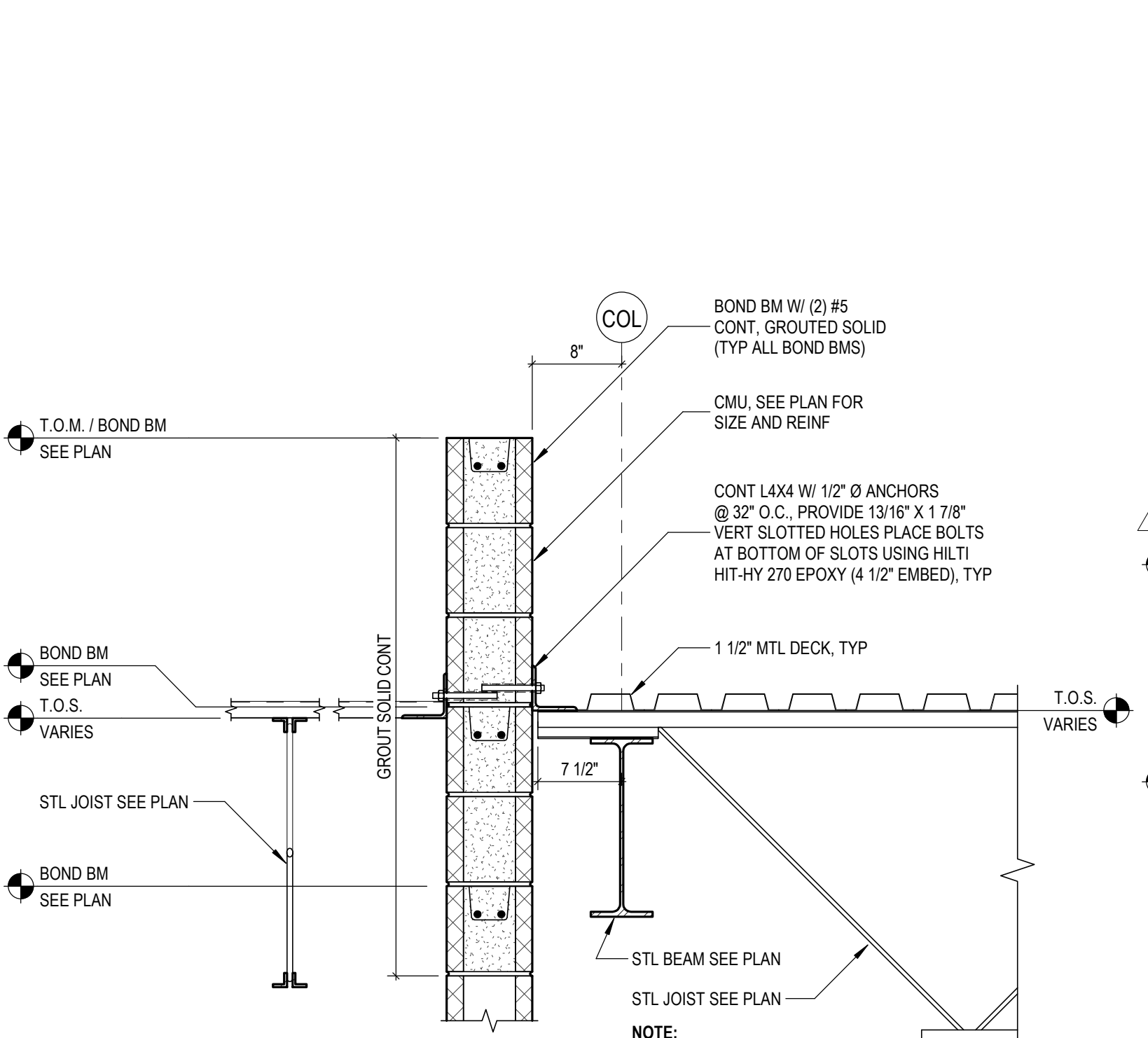
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S5.2 SCALE: 1" = 1'-0"



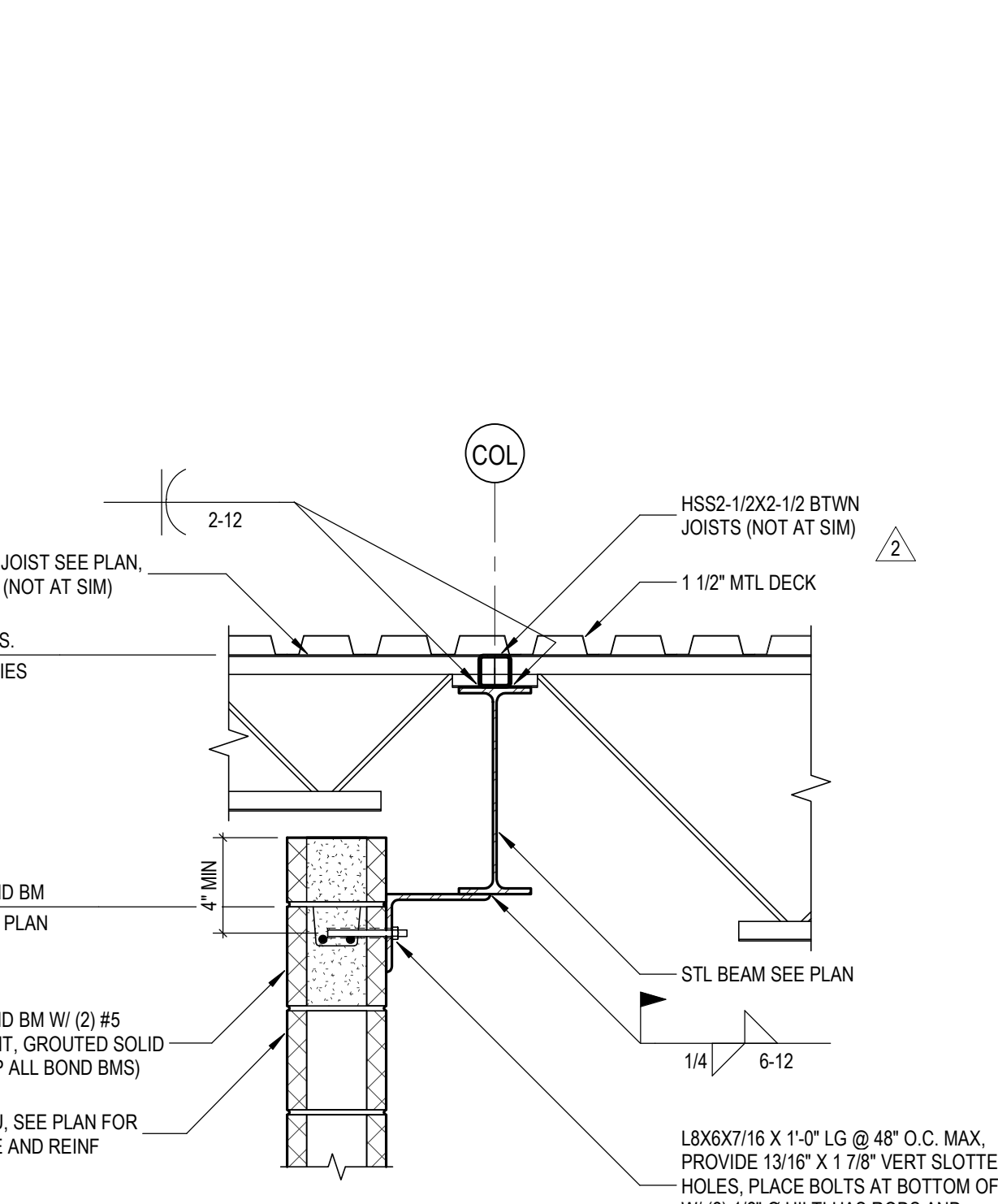
**10** DETAIL  
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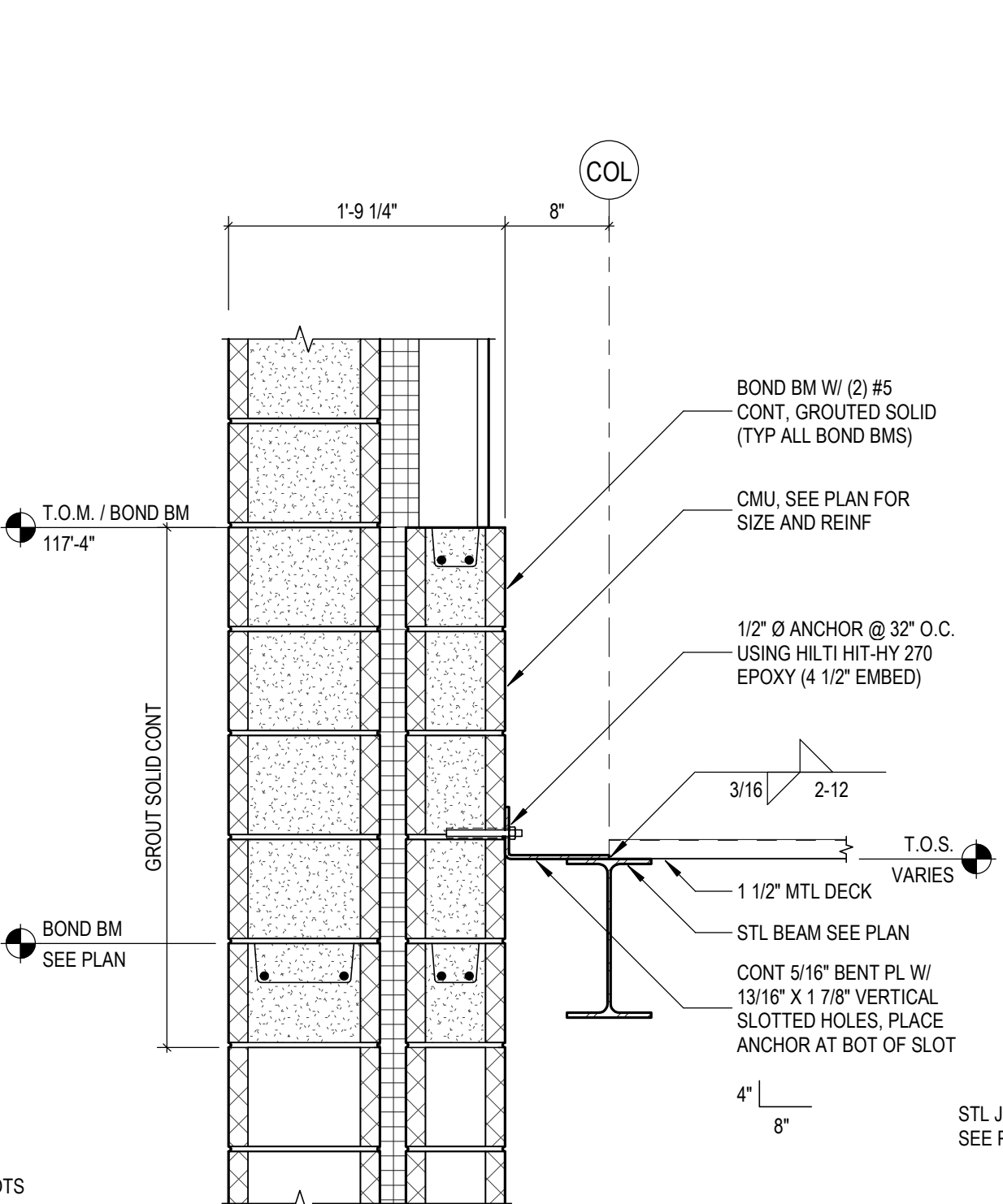
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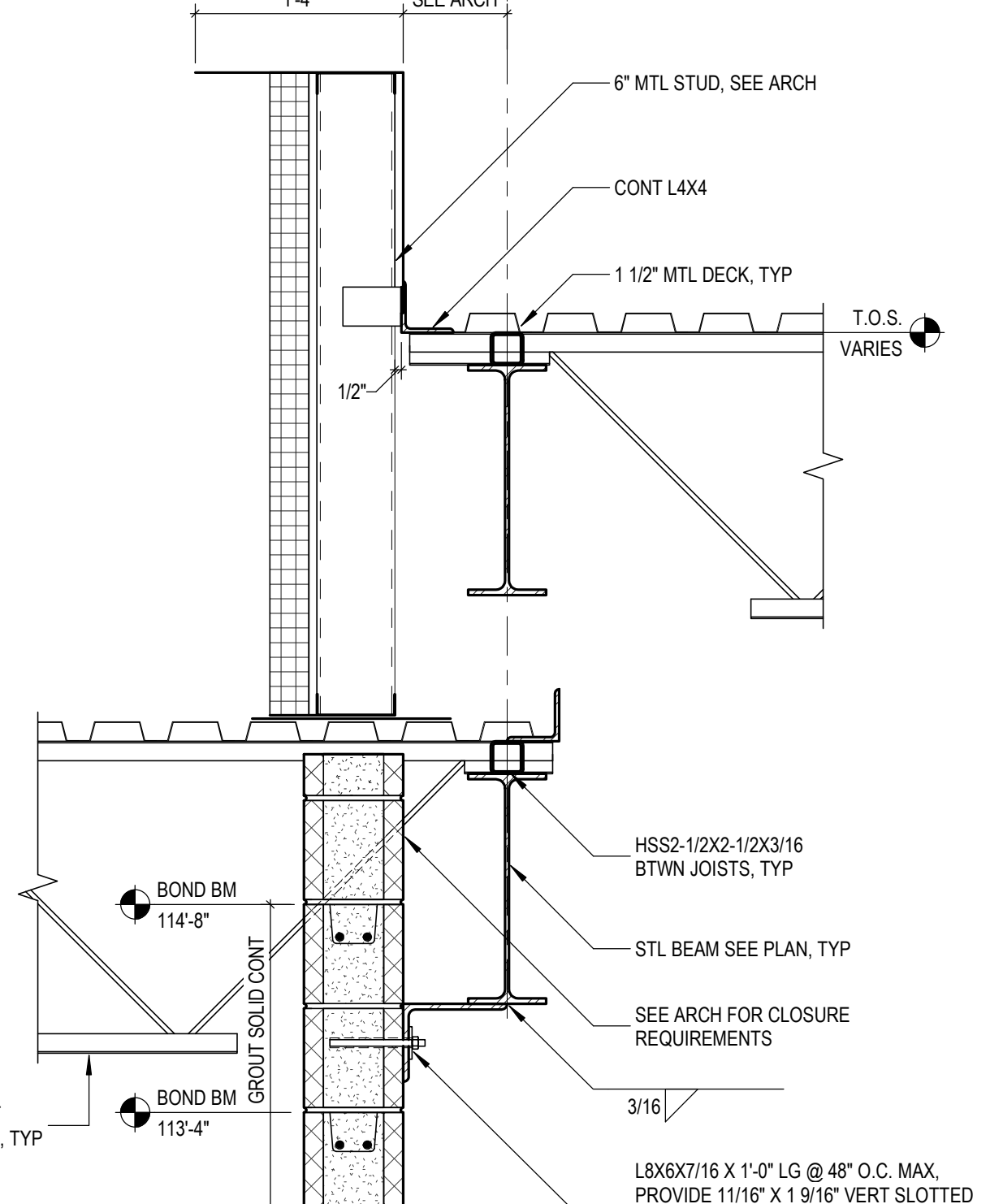
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S5.2 SCALE: 1" = 1'-0"



**13** DETAIL  
S5.2 SCALE: 1" = 1'-0"



**14** DETAIL  
S5.2 SCALE: 1" = 1'-0"



**15** DETAIL  
S5.2 SCALE: 1" = 1'-0"

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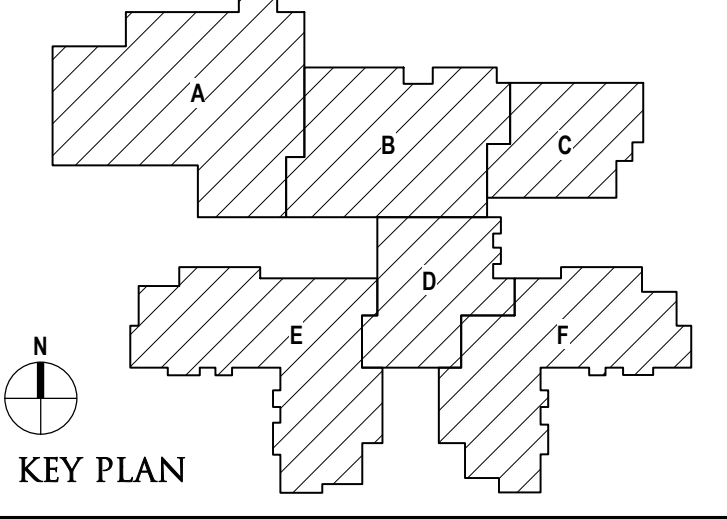
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Masonry Details**

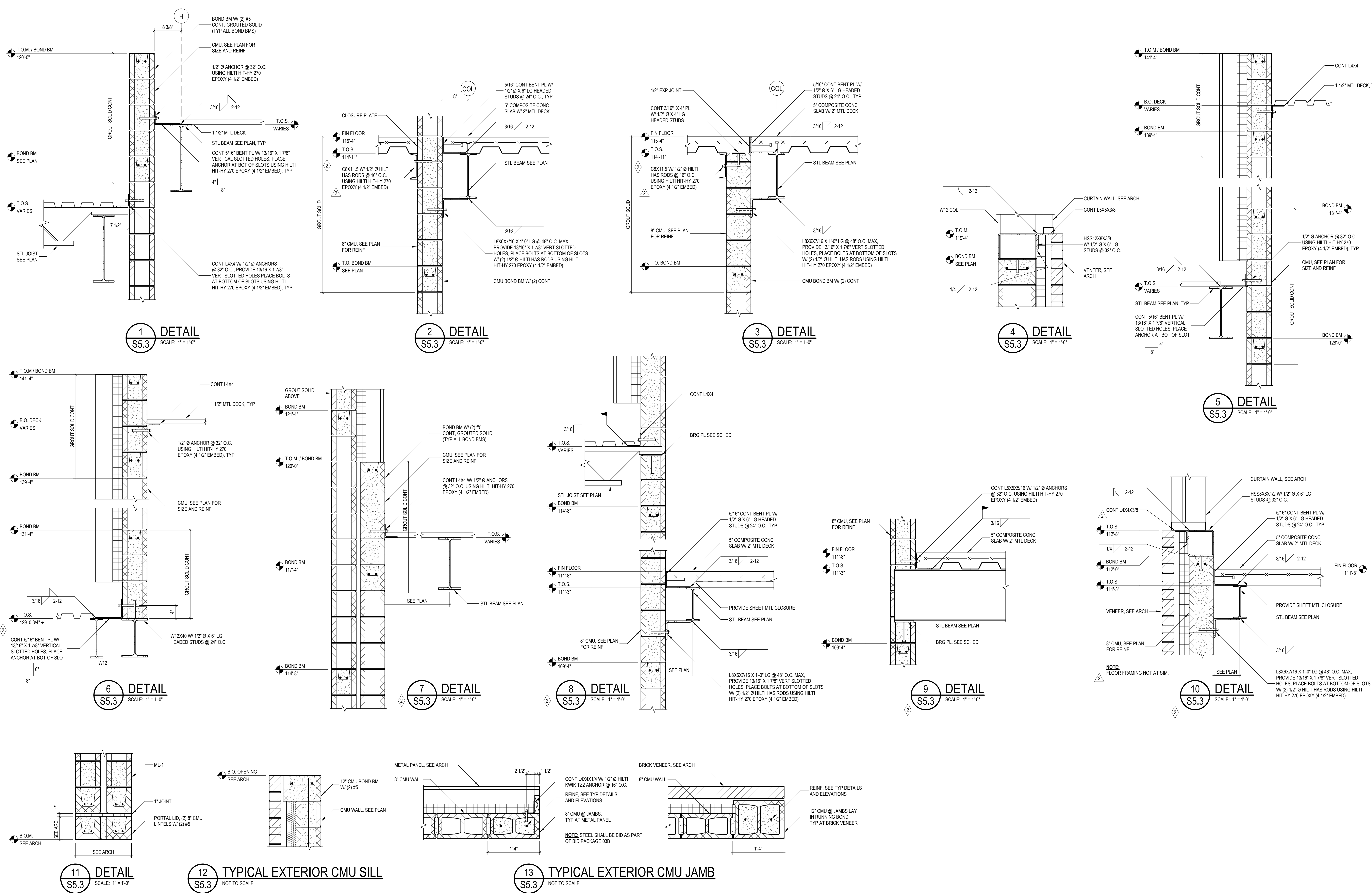


ISSUE DATES

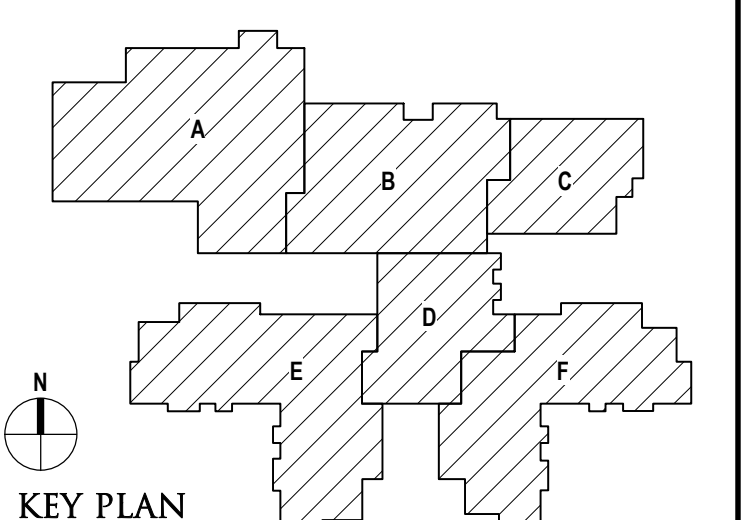
06-18-2024	CONSTRUCTION DOCUMENTS
05-30-2024	BULLETIN NO. 1
02-28-2024	ADDENDUM NO. 2
01-23-2024	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:

DRAWN: D. BART  
 CHECKED: B. KANNERS  
 APPROVED: E. MANNOR

PROJECT NO.  
**22102**  
 DRAWING NO.  
**S5.3**

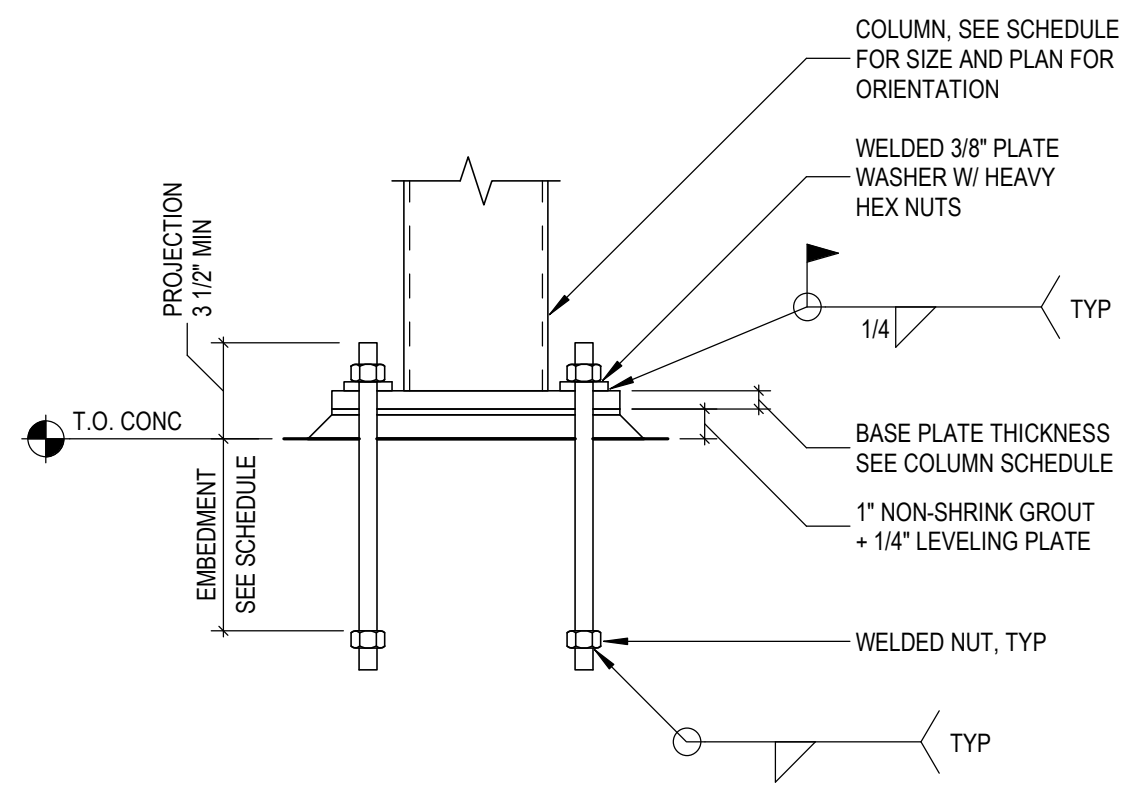




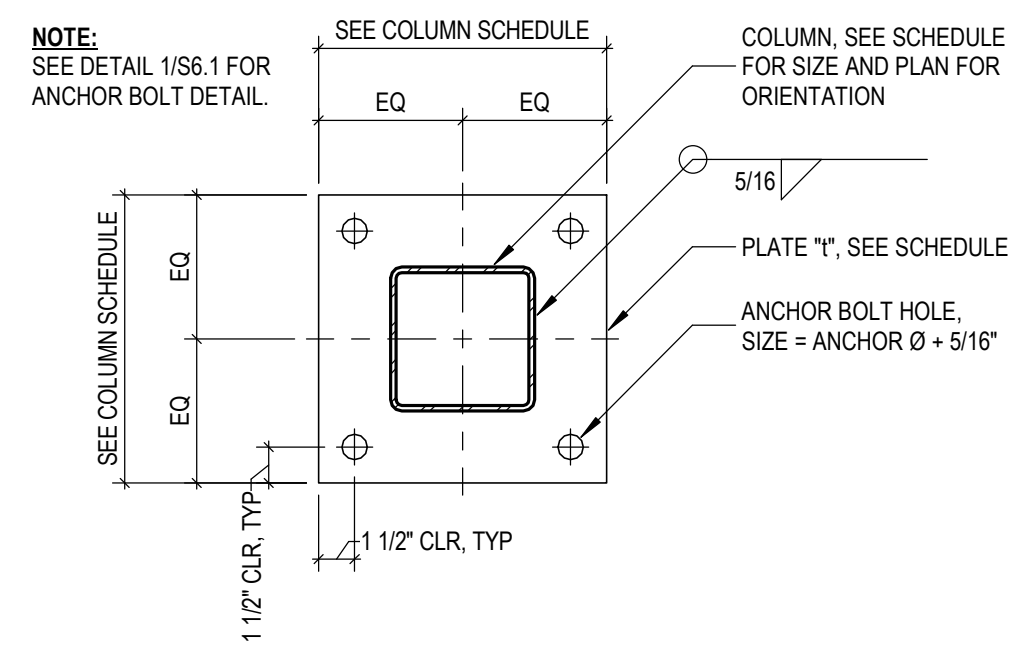


DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS
05-30-2024	BULLETIN NO. 1
02-28-2024	ADDENDUM NO. 2
01-23-2024	CONSTRUCTION DOCUMENTS

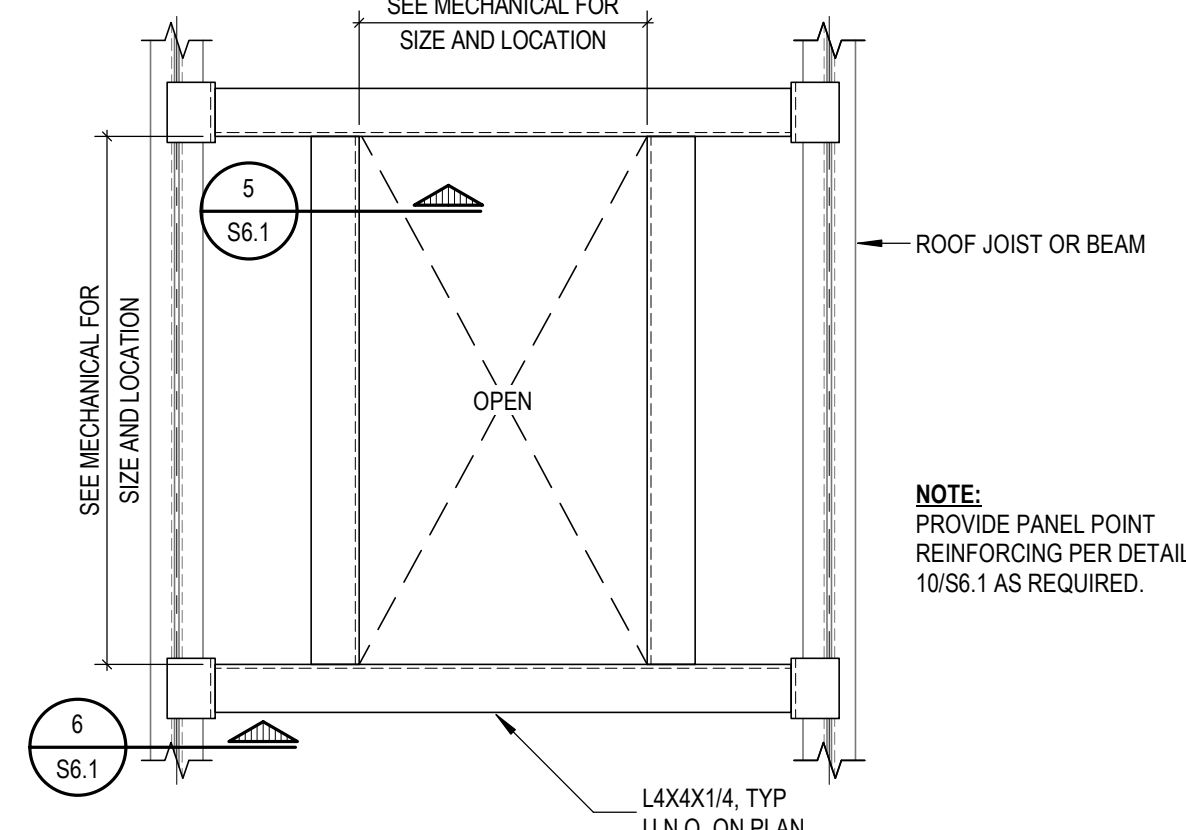
DRAWN	D. BART
CHECKED	B. KANNERS
APPROVED	E. MANNOR



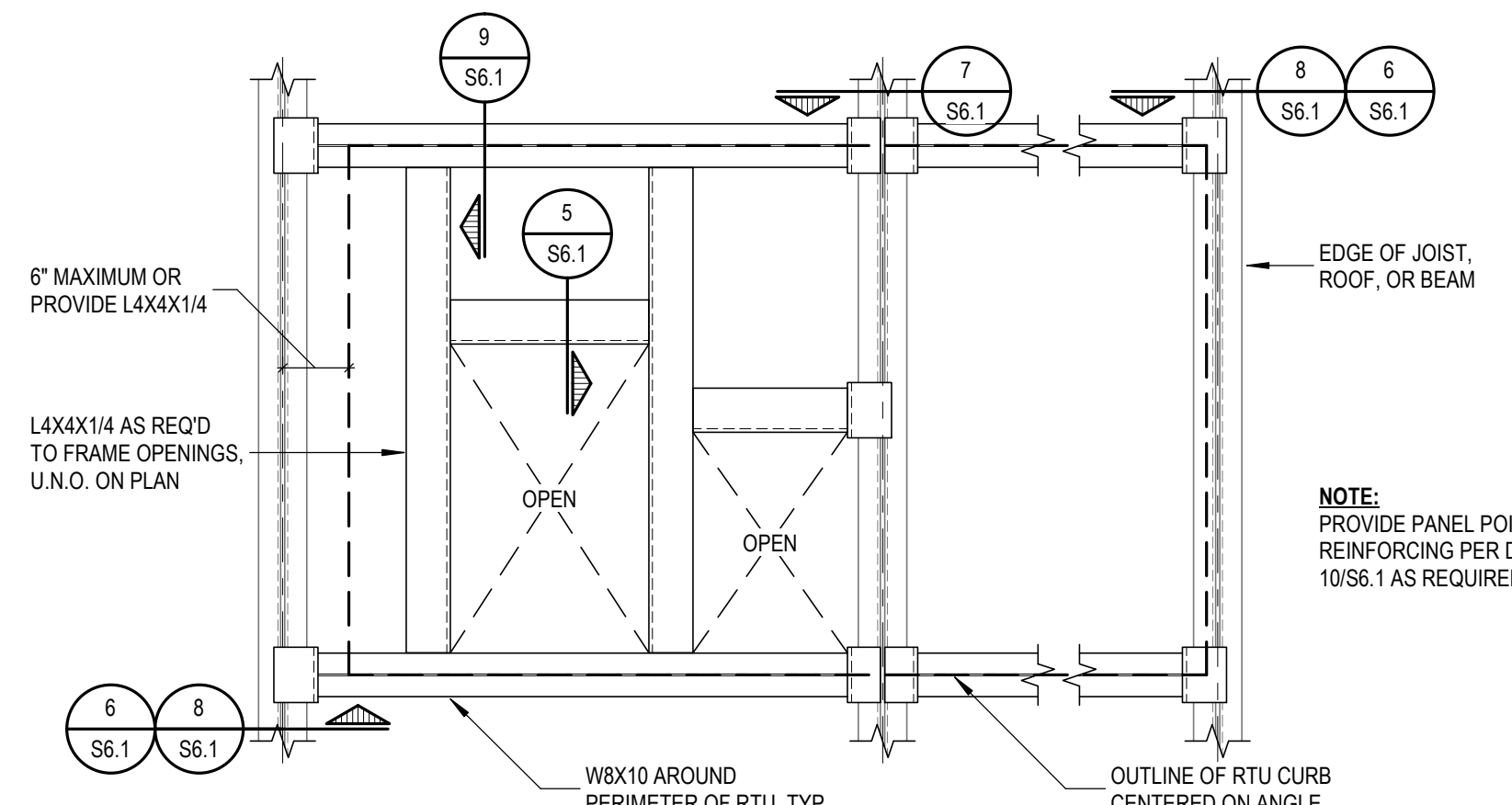
**1 TYPICAL ANCHOR BOLT DETAIL**  
S6.1 NOT TO SCALE



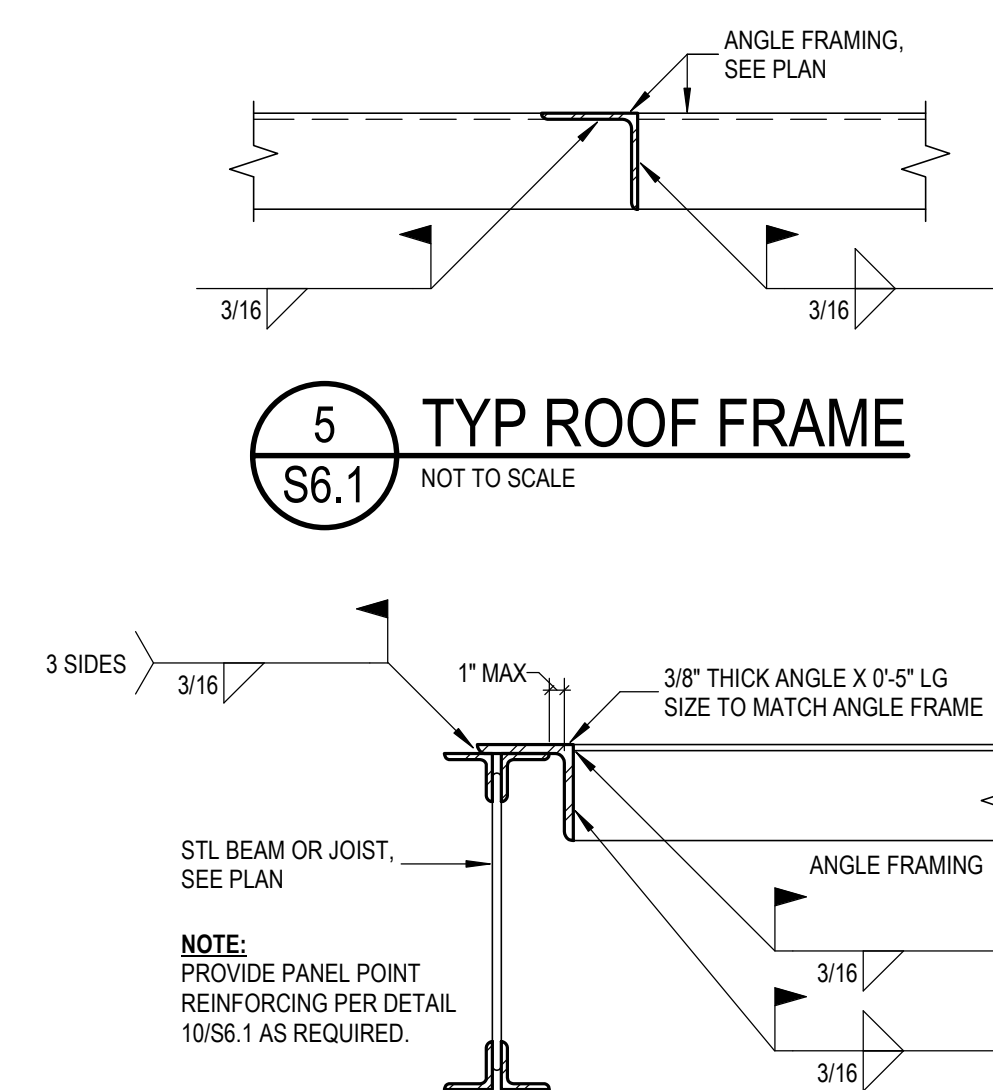
**2 TYPICAL BASE PLATE DETAIL**  
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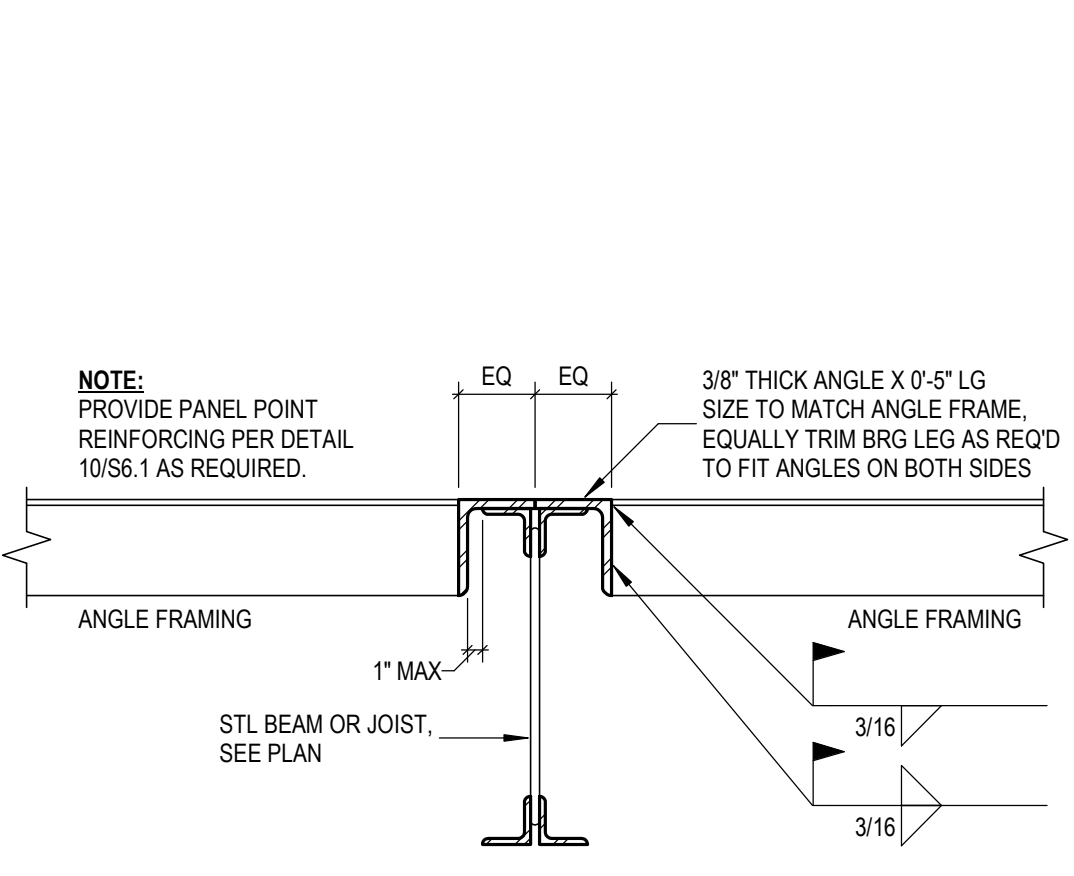
**3 TYPICAL ROOF OPENING**  
S6.1 NOT TO SCALE



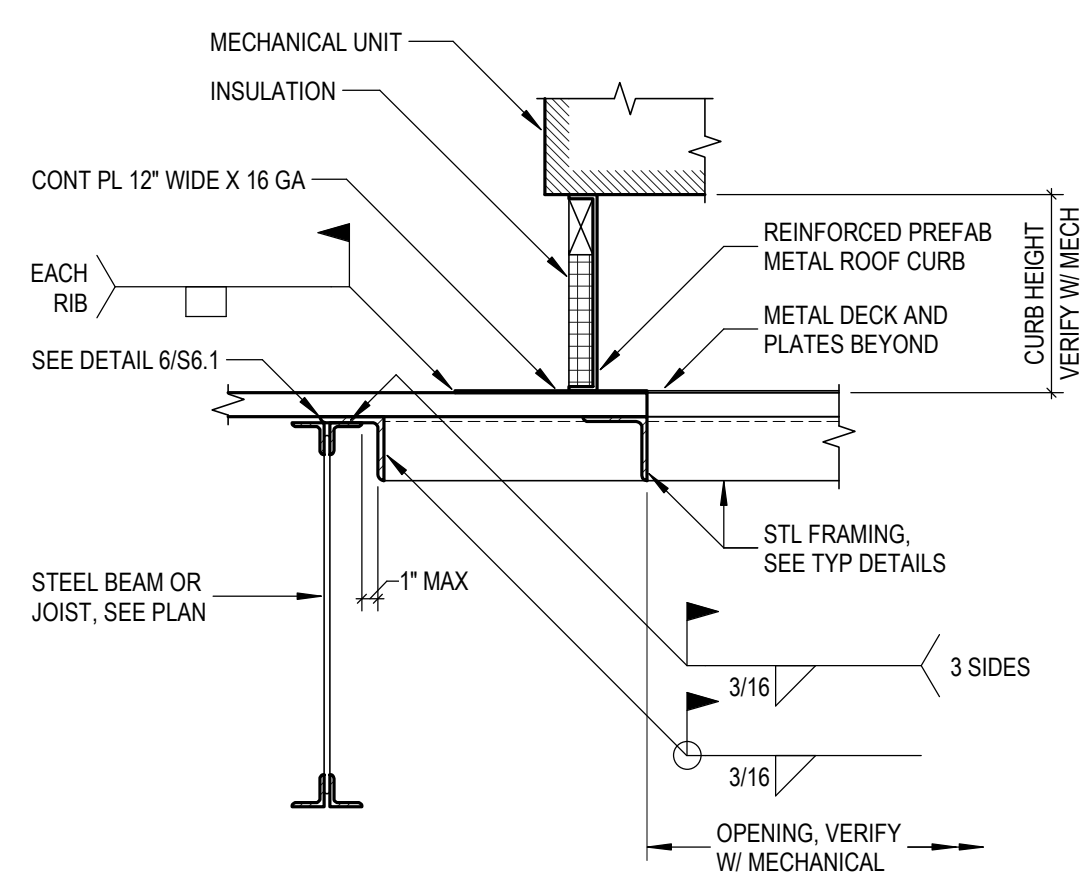
**4 TYPICAL RTU SUPPORT FRAME**  
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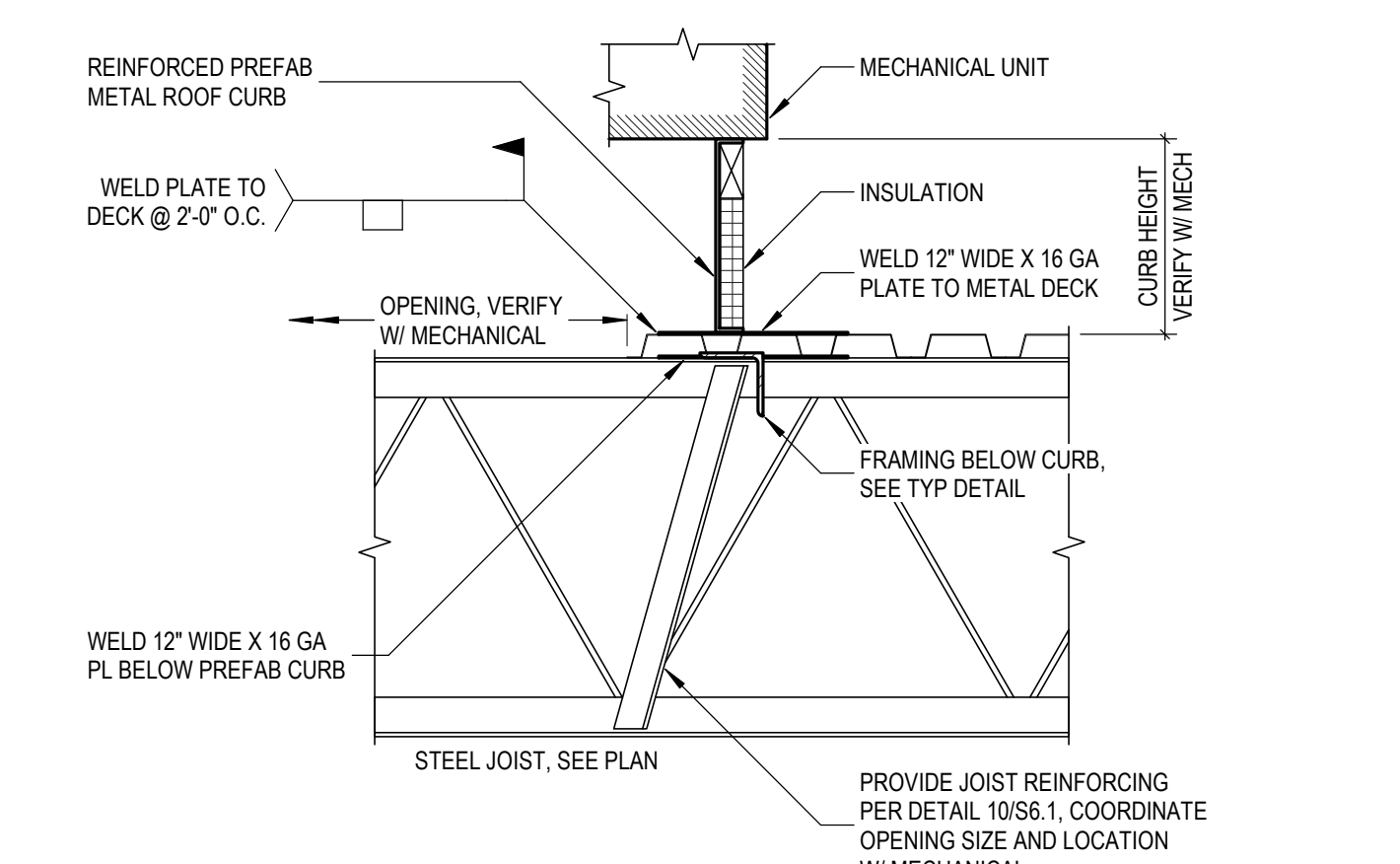
**5 TYPICAL ROOF FRAME**  
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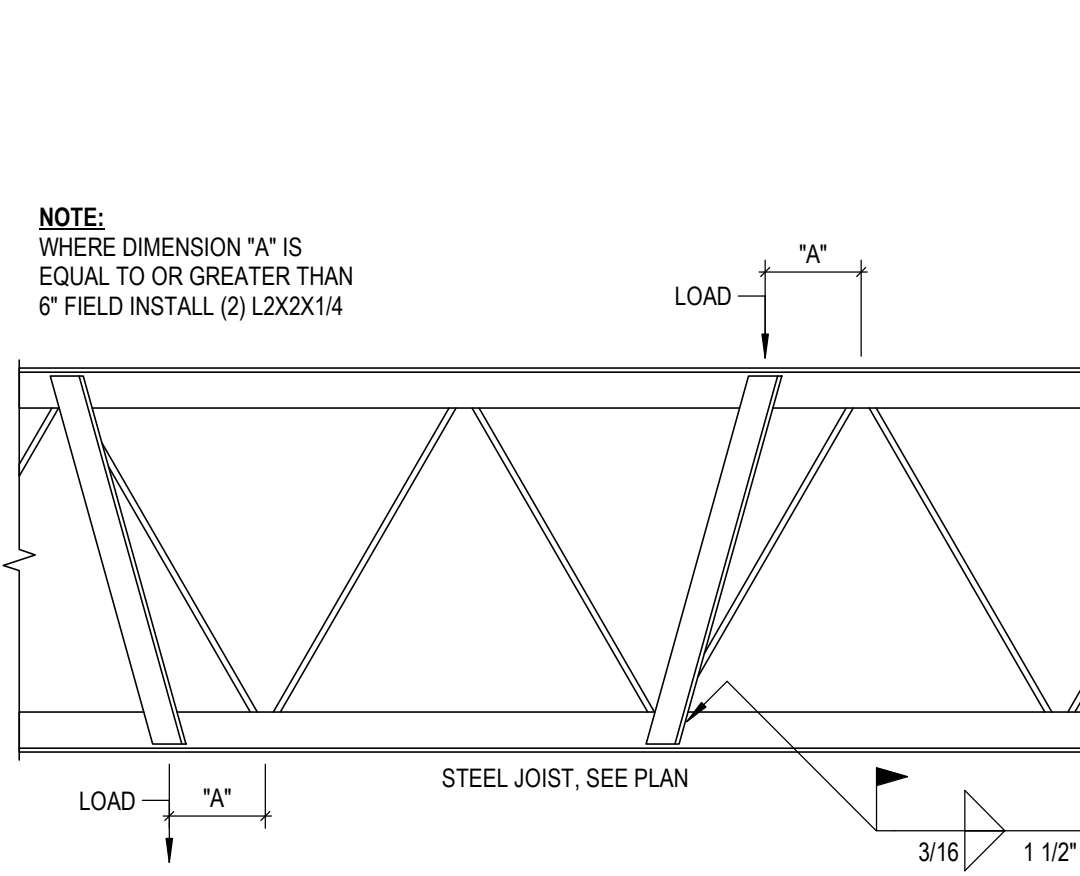
**6 TYPICAL ROOF FRAME**  
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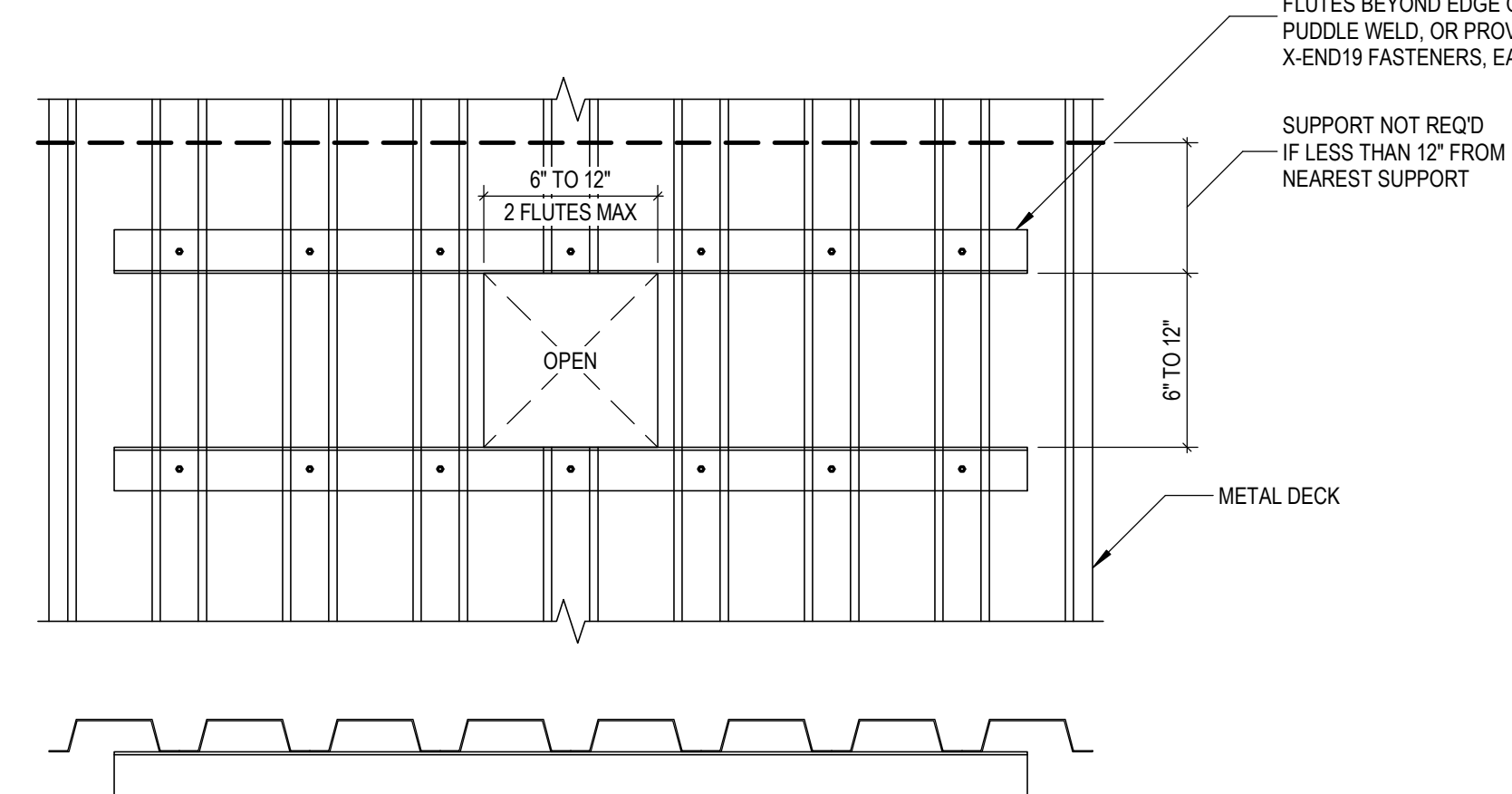
**7 TYPICAL ROOF FRAME**  
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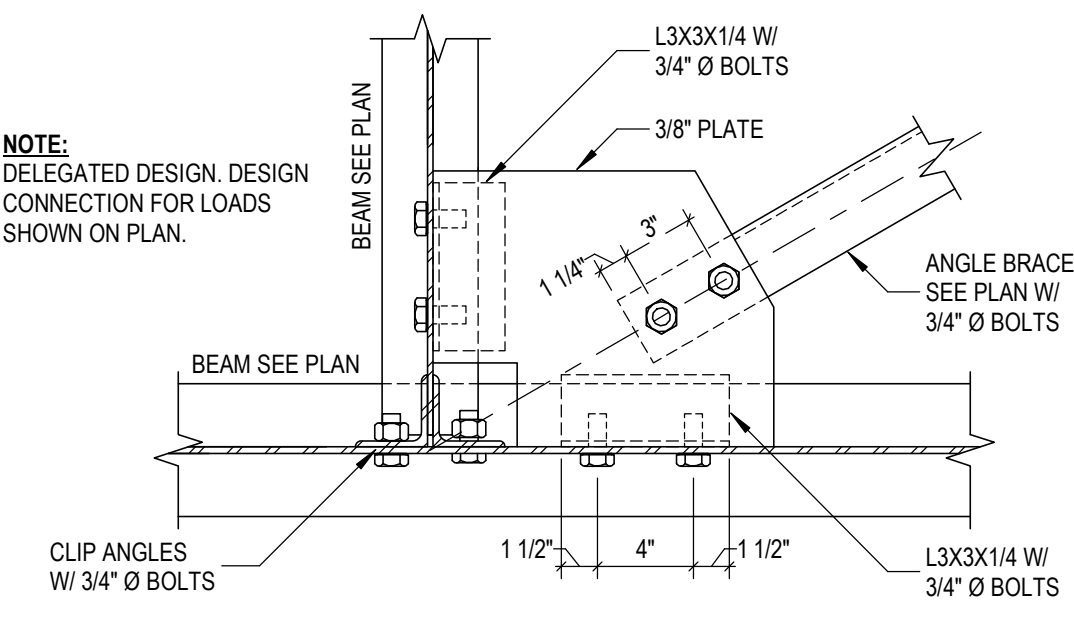
**8 TYPICAL RTU SUPPORT AT CURB**  
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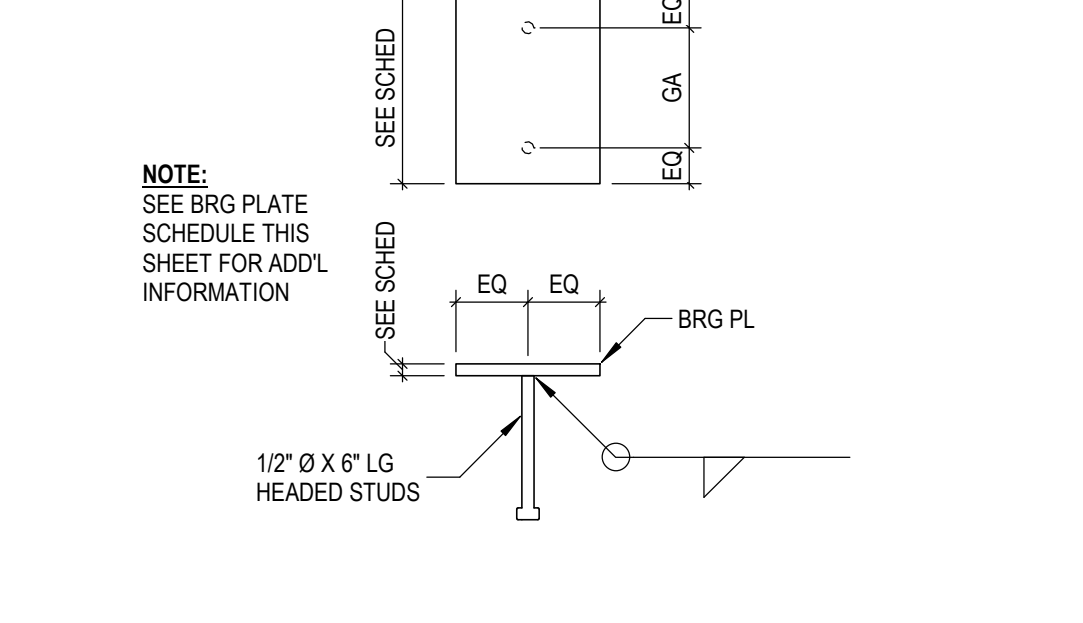
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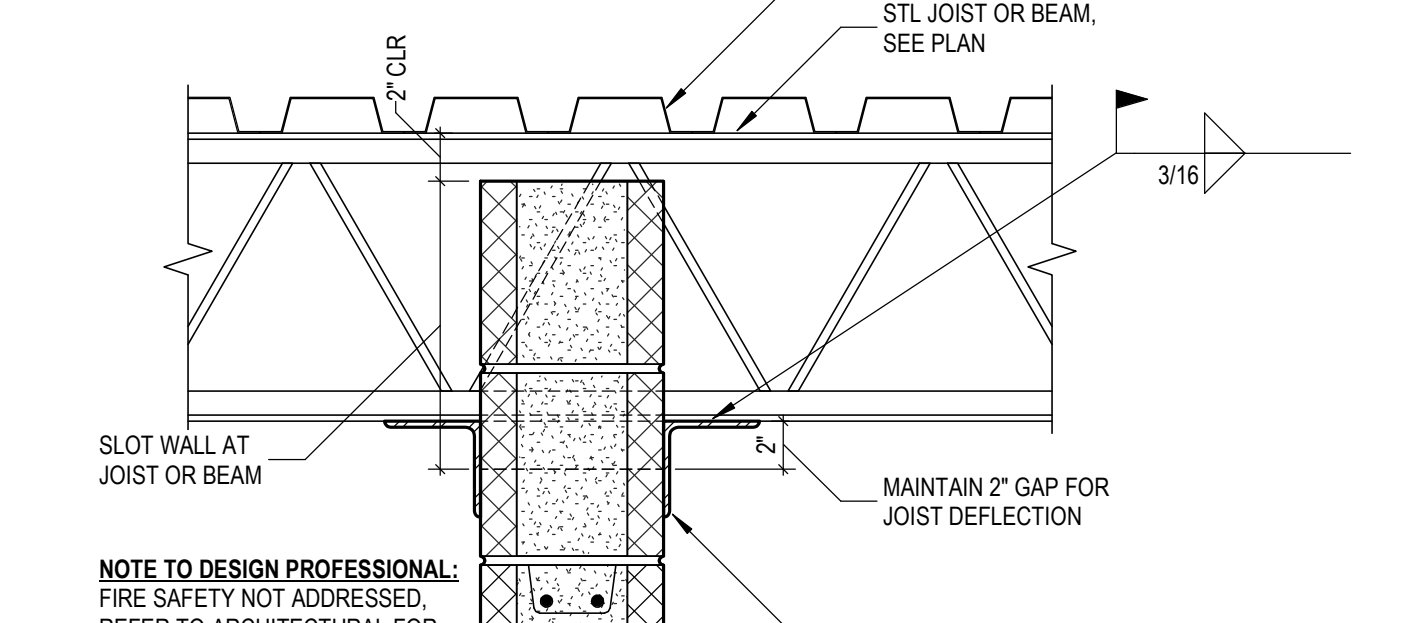
**10 TYPICAL JOIST PANEL POINT REINFORCING**  
S6.1 NOT TO SCALE



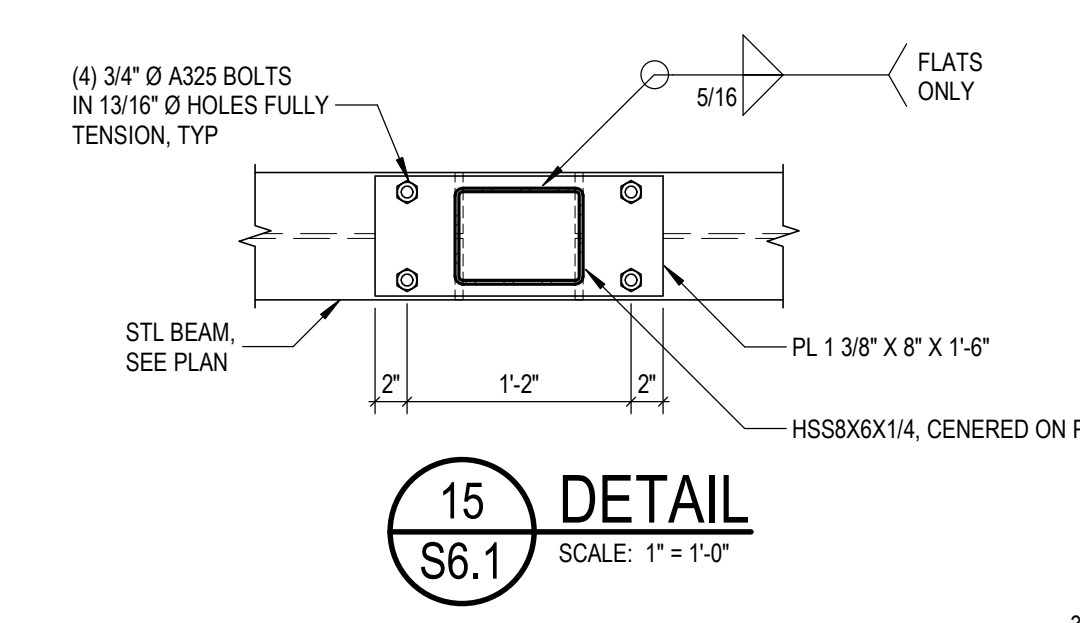
**11 TYPICAL SMALL ROOF OPENING FRAMING**  
S6.1 NOT TO SCALE



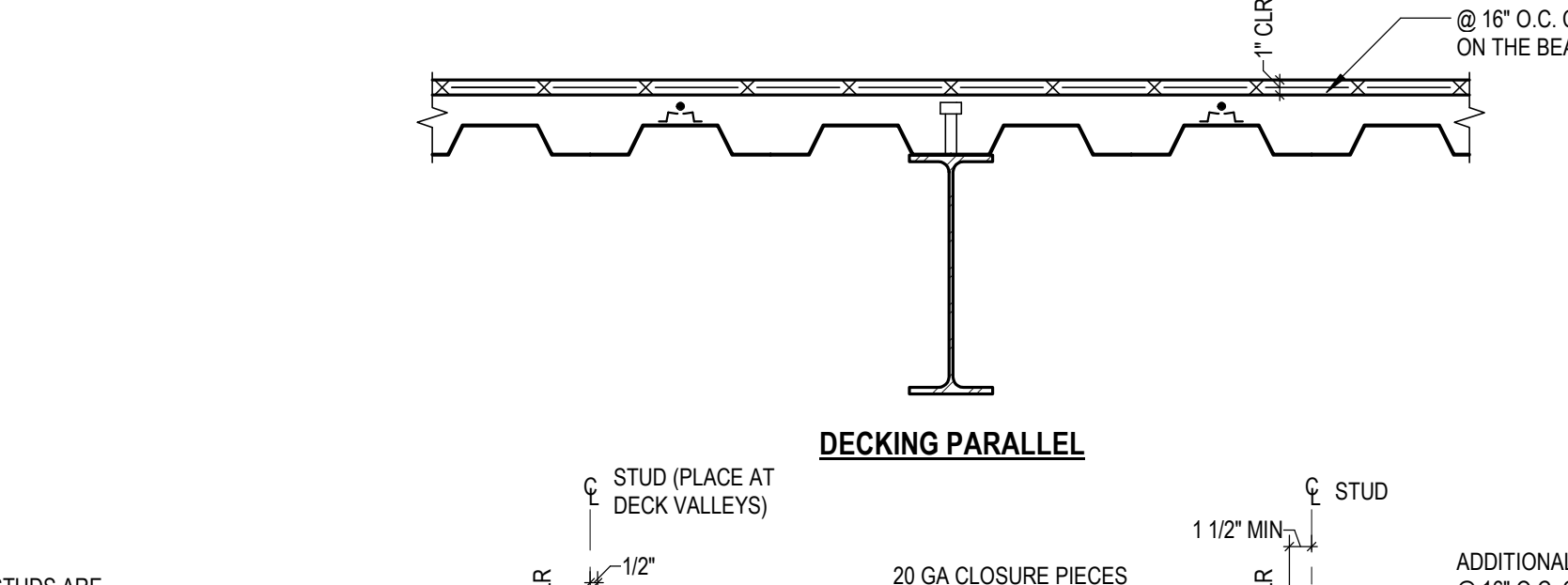
**12 TYPICAL HORIZONTAL BRACING**  
S6.1 NOT TO SCALE



**13 TYPICAL BEARING PLATE DETAIL**  
S6.1 NOT TO SCALE



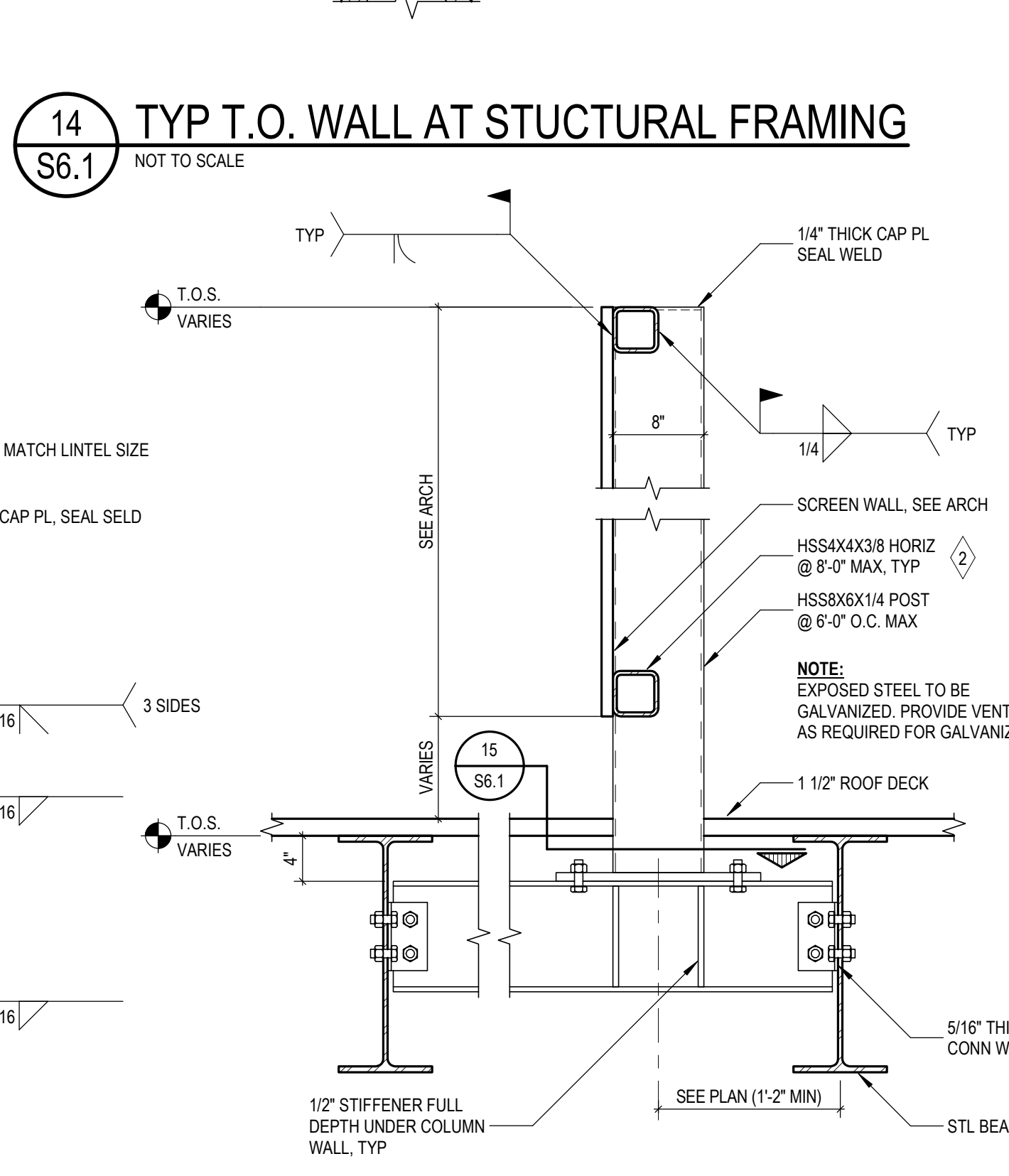
**14 TYPICAL T.O. WALL AT STRUCTURAL FRAMING**  
S6.1 NOT TO SCALE



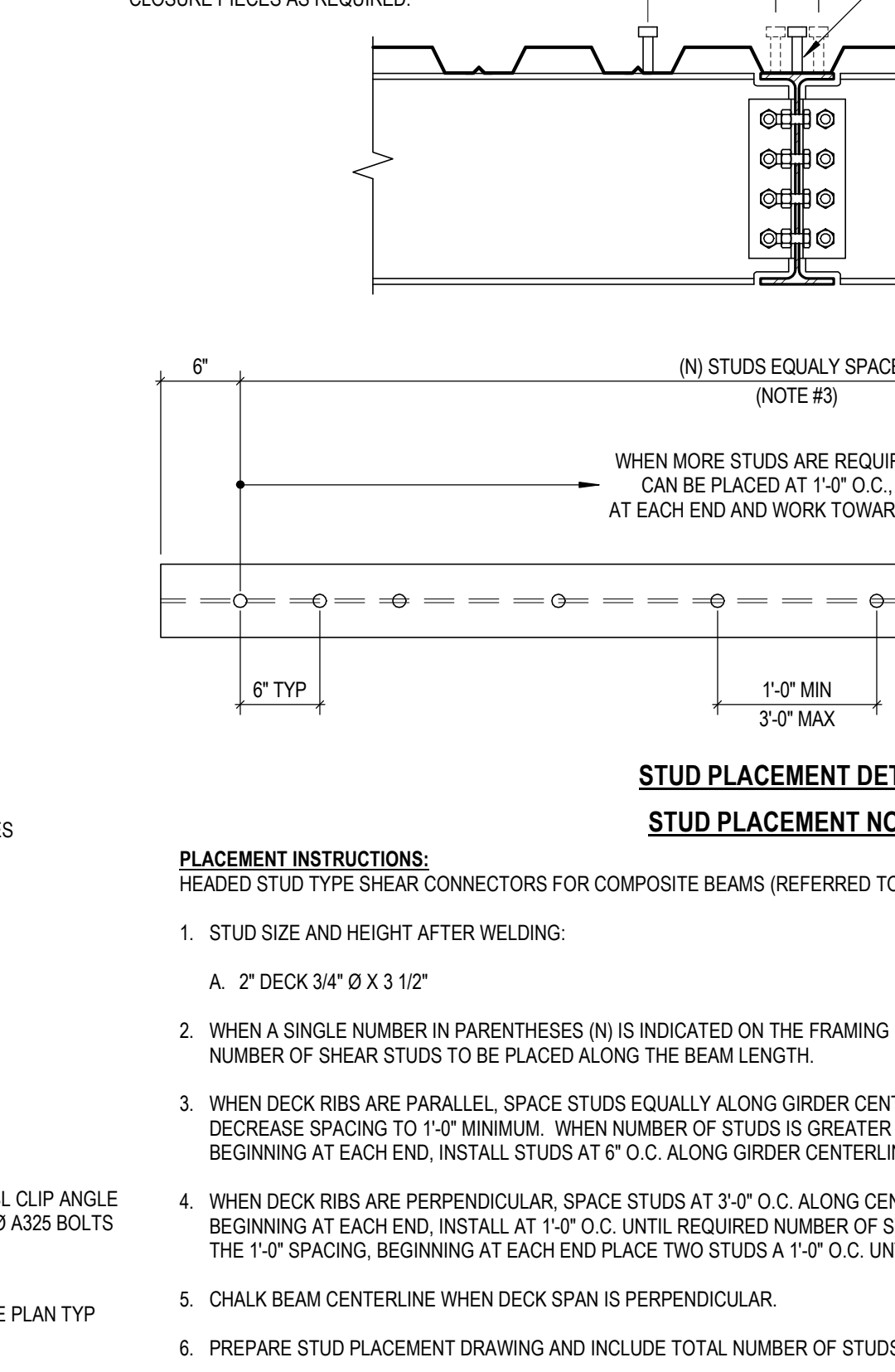
**15 TYPICAL COMPOSIT SLAB REINFORCING**  
S6.1 NOT TO SCALE

MARK	MEMBER	BASE PLATE (W/M)	QTY	SIZE	MIN EMBED	COMMENTS
C-1	W10X33	1" X 16" X 16"	4	3/4" Ø	12"	
C-2	W10X45	1 1/4" X 16" X 16"	4	3/4" Ø	12"	
C-3	W10X49	1 1/4" X 16" X 16"	4	3/4" Ø	16"	
C-4	W12X72	1 1/4" X 19" X 19"	4	1" Ø	12"	
C-5	HSS3X4X3/8	3/4" X 10" X 10"	4	3/4" Ø	12"	
C-6	HSS8X8X3/8	3/4" X 12" X 12"	4	3/4" Ø	12"	
C-7	HSS8X8X3/8	1" X 14" X 14"	4	3/4" Ø	12"	
C-8	HSS10X10X3/8	1" X 16" X 16"	4	3/4" Ø	12"	
C-9	HSS12X6X1/2	1 1/2" X 12" X 18"	4	7/8" Ø	12"	
C-10	HSS12X12X1/2	1 1/2" X 19" X 19"	4	1" Ø	16"	

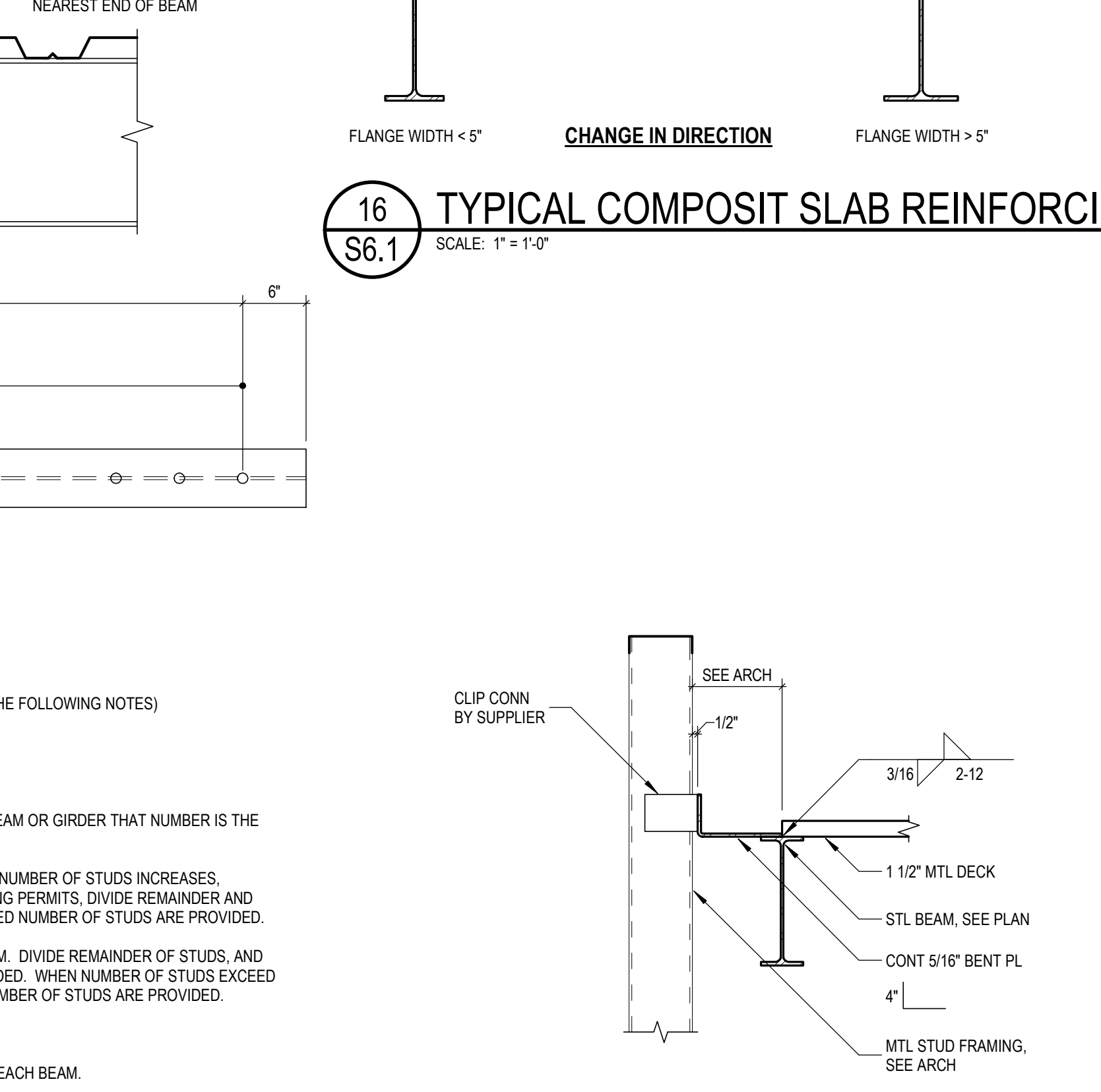
MARK	MEMBER	SIZE	REMARKS
BP-1	3/8" X 6" X 8" W/ (2) 1/2" Ø X 6" LG HEADED STUDS (GA = 6")	NOT USED	TYP U.N.O.
BP-2	1/2" X 6" X 8" W/ (2) 1/2" Ø X 6" LG HEADED STUDS (GA = 6")	NOT USED	
BP-3	1/2" X 6" X 8" W/ (2) 1/2" Ø X 6" LG HEADED STUDS (GA = 6")	NOT USED	
BP-4	1/2" X 6" X 10" W/ (2) 1/2" Ø X 6" LG HEADED STUDS (GA = 6")	NOT USED	
BP-5	1/2" X 6" X 10" W/ (2) 1/2" Ø X 6" LG HEADED STUDS (GA = 6")	NOT USED	
BP-6	3/4" X 6" X 10" W/ (2) 1/2" Ø X 6" LG HEADED STUDS (GA = 6")	NOT USED	
BP-7	3/4" X 6" X 10" W/ (2) 1/2" Ø X 6" LG HEADED STUDS (GA = 6")	NOT USED	
BP-8	3/4" X 6" X 1-6" W/ (2) 1/2" Ø X 6" LG HEADED STUDS (GA = 1-4")	NOT USED	



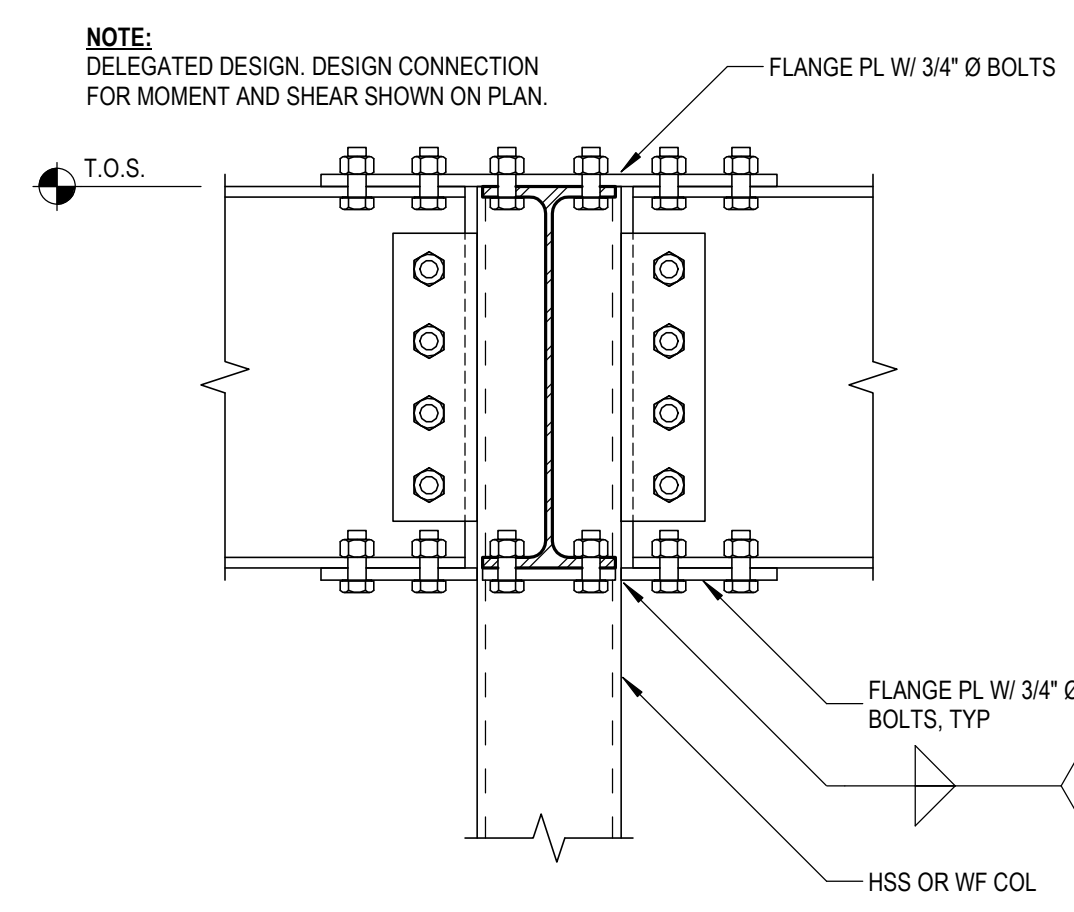
**16 TYPICAL STUD PLACEMENT DETAILS**  
S6.1 NOT TO SCALE



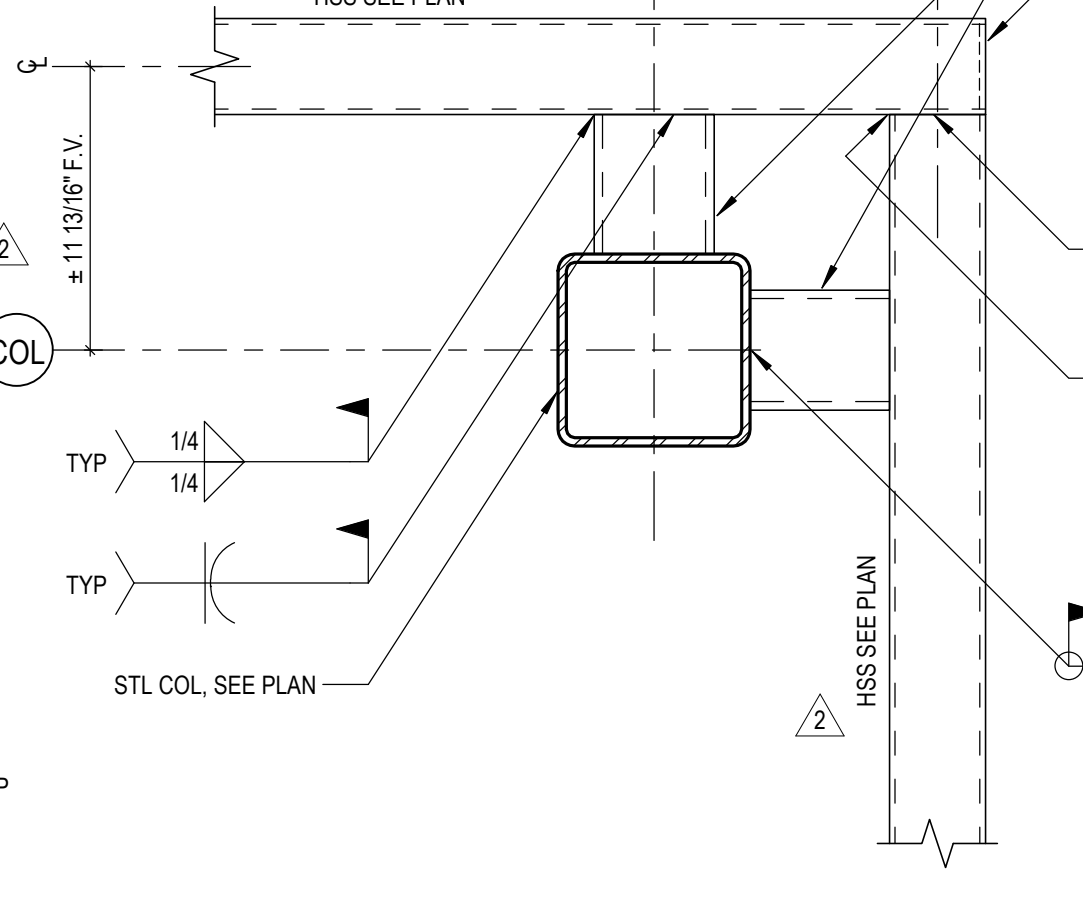
**17 TYPICAL STUD PLACEMENT DETAILS**  
S6.1 NOT TO SCALE



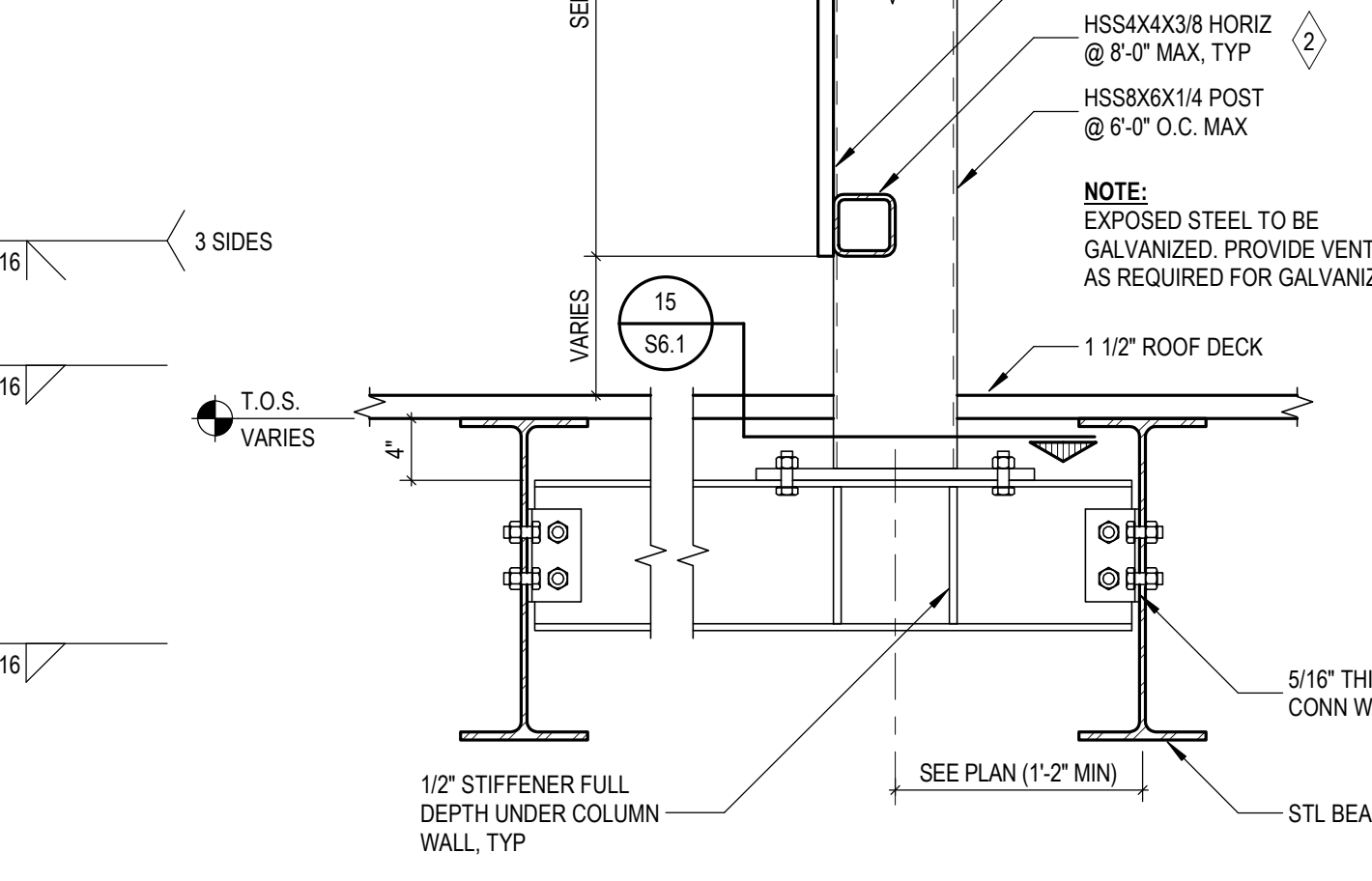
**18 TYPICAL STUD PLACEMENT DETAILS**  
S6.1 NOT TO SCALE



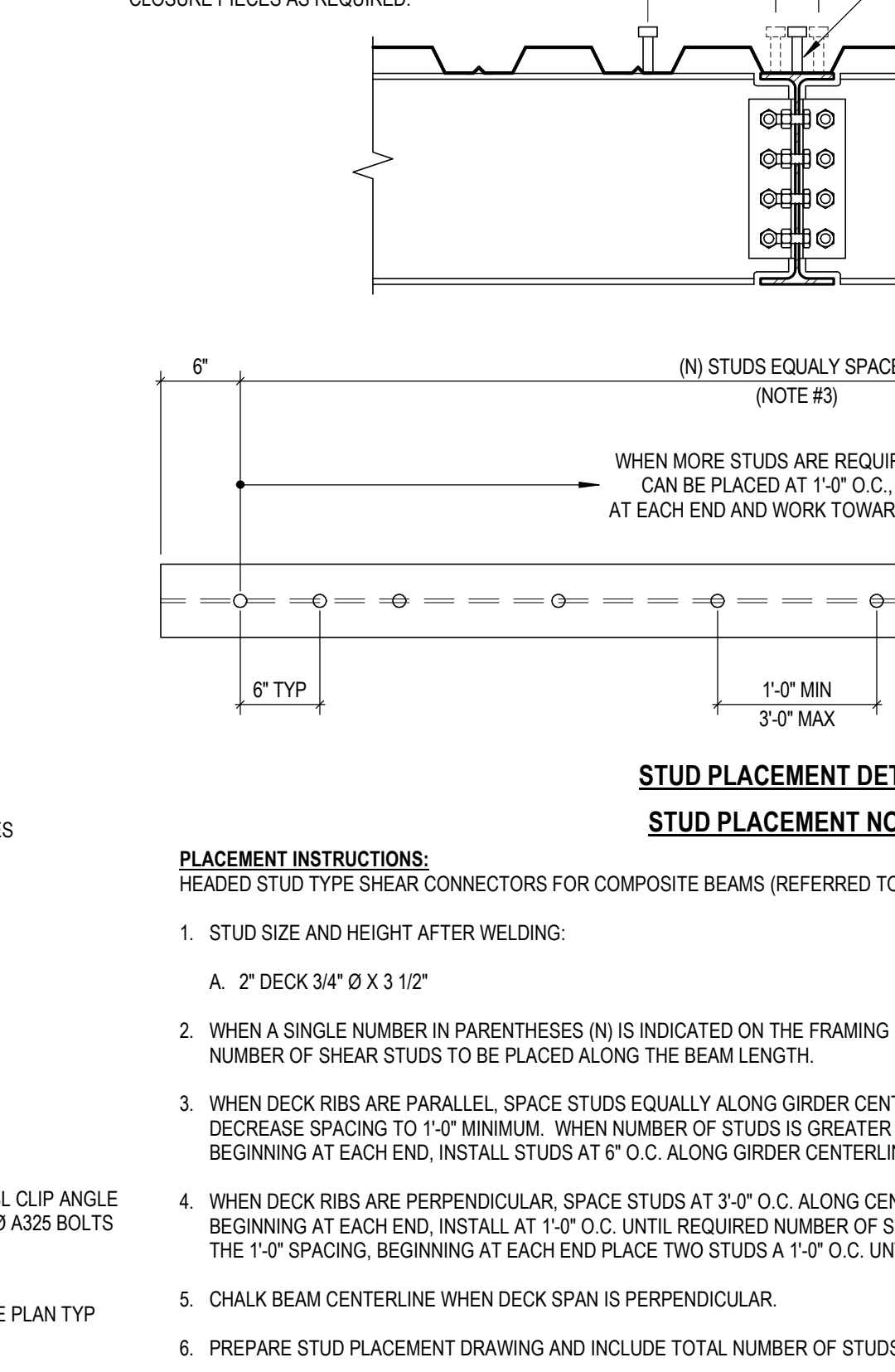
**19 TYPICAL STUD PLACEMENT DETAILS**  
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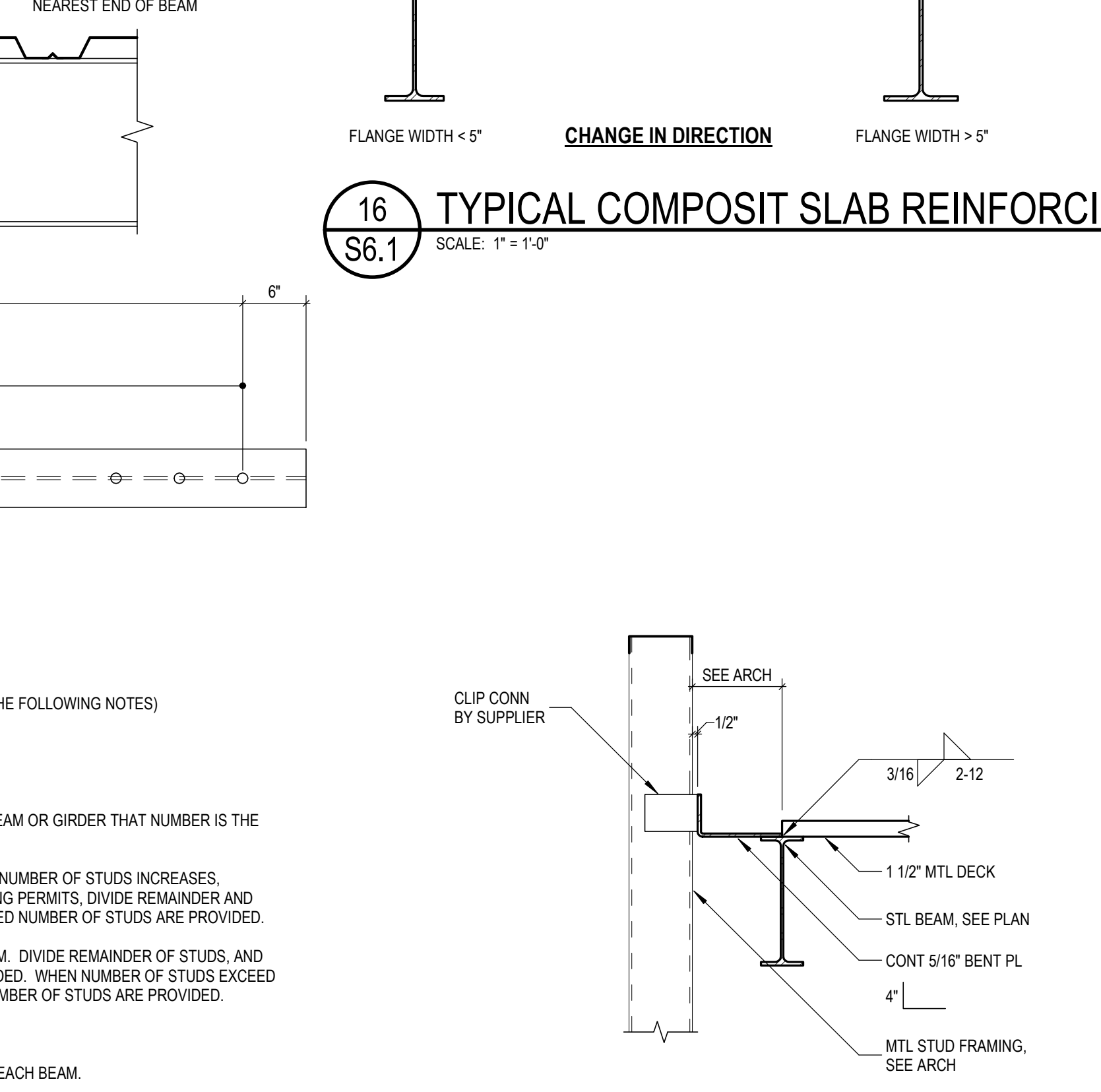
**20 TYPICAL STUD PLACEMENT DETAILS**  
S6.1 NOT TO SCALE



**21 TYPICAL STUD PLACEMENT DETAILS**  
S6.1 NOT TO SCALE



**22 TYPICAL STUD PLACEMENT DETAILS**  
S6.1 NOT TO SCALE



**23 TYPICAL STUD PLACEMENT DETAILS**  
S6.1 NOT TO SCALE



TMP ARCHITECTURE INC  
1191 WEST SQUARE LAKE ROAD  
BLOOMFIELD HILLS, MICHIGAN 48302  
PH: 248.338.4561 FX: 248.338.0223  
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REGISTRATION SEAL

CONSULTANT

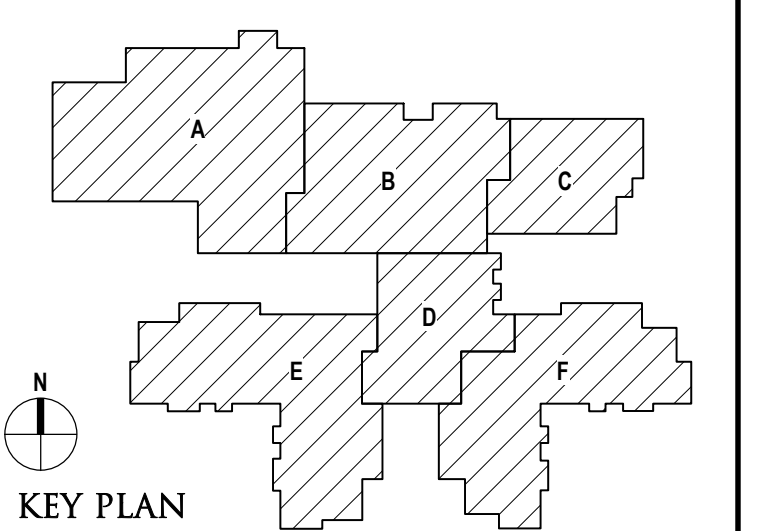


PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE

**Steel Details**



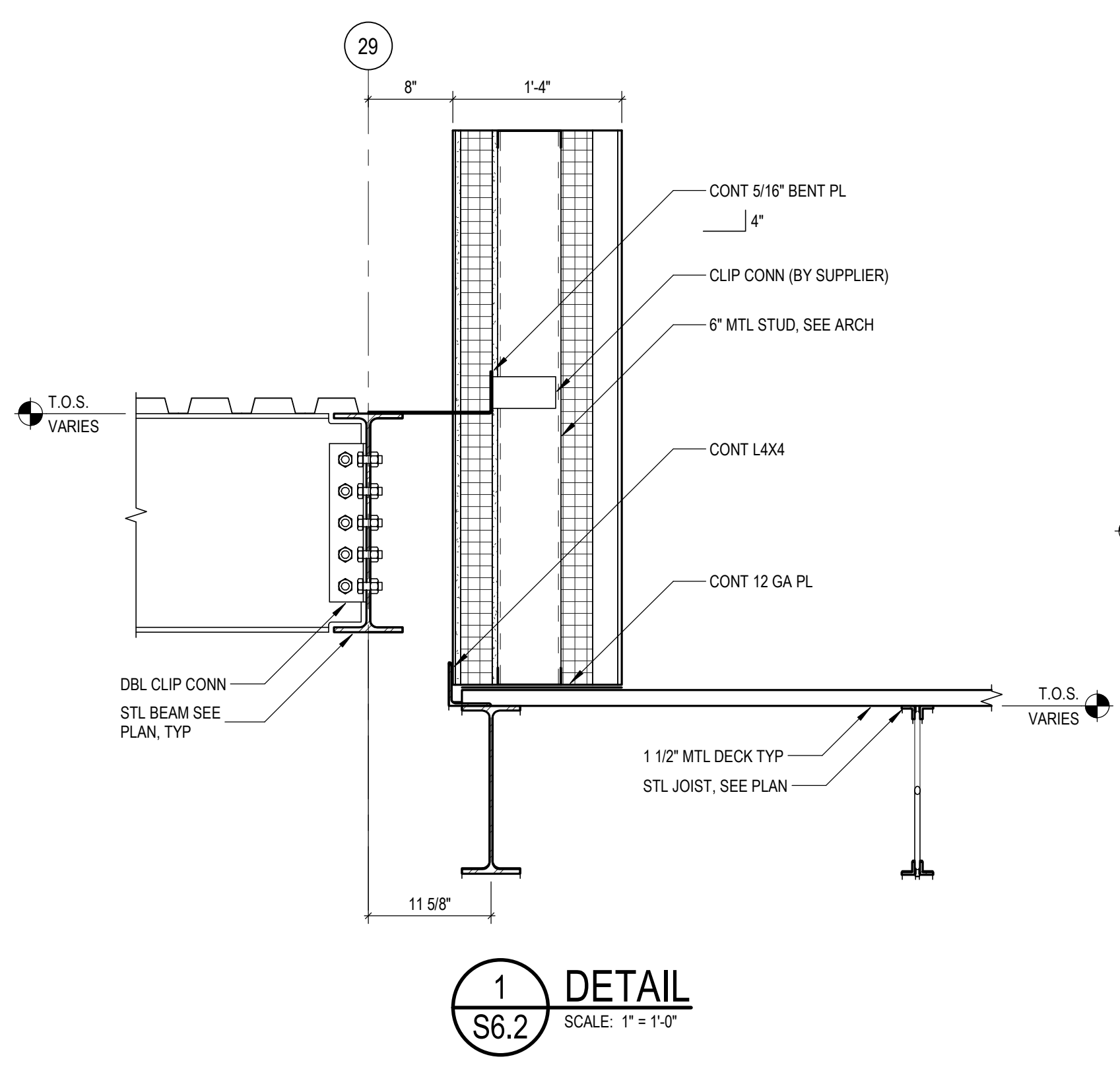
ISSUE DATES

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05-30-2024	BULLETIN NO. 1
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01-23-2024	CONSTRUCTION DOCUMENTS

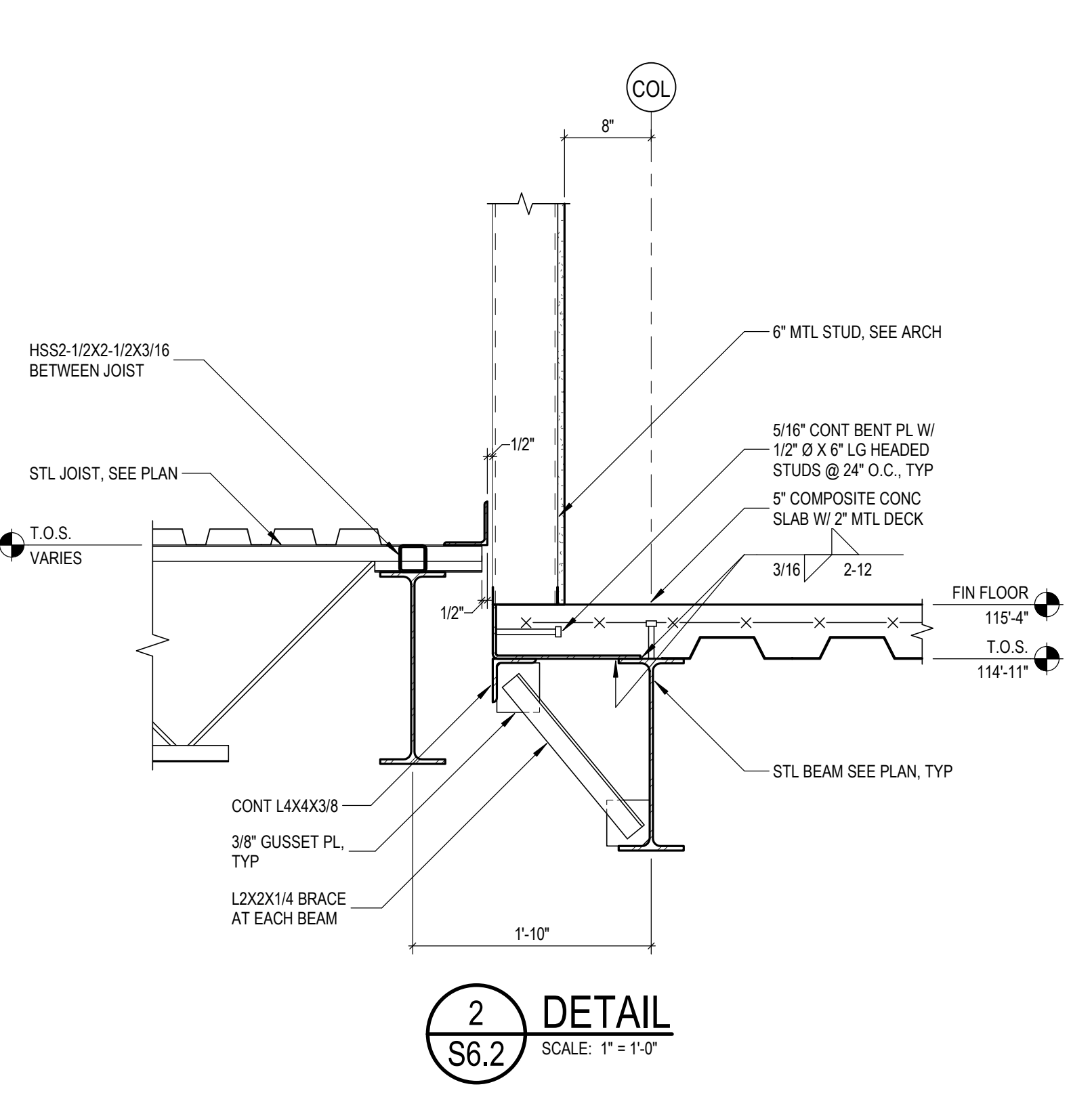
DRAWN: D. BART  
CHECKED: B. KANNERS  
APPROVED: E. MANNOR

PROJECT NO.  
**22102**

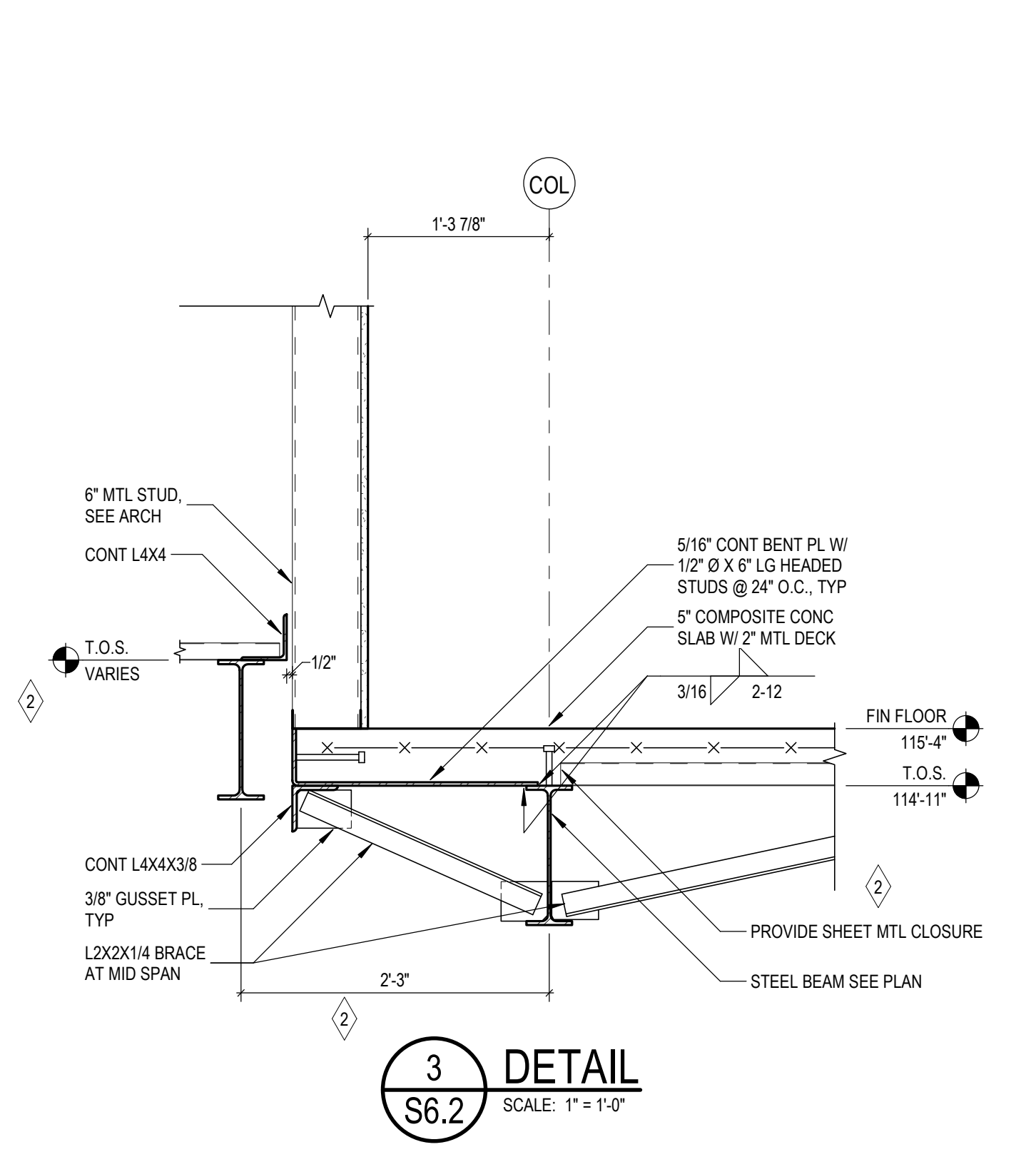
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**S6.2**



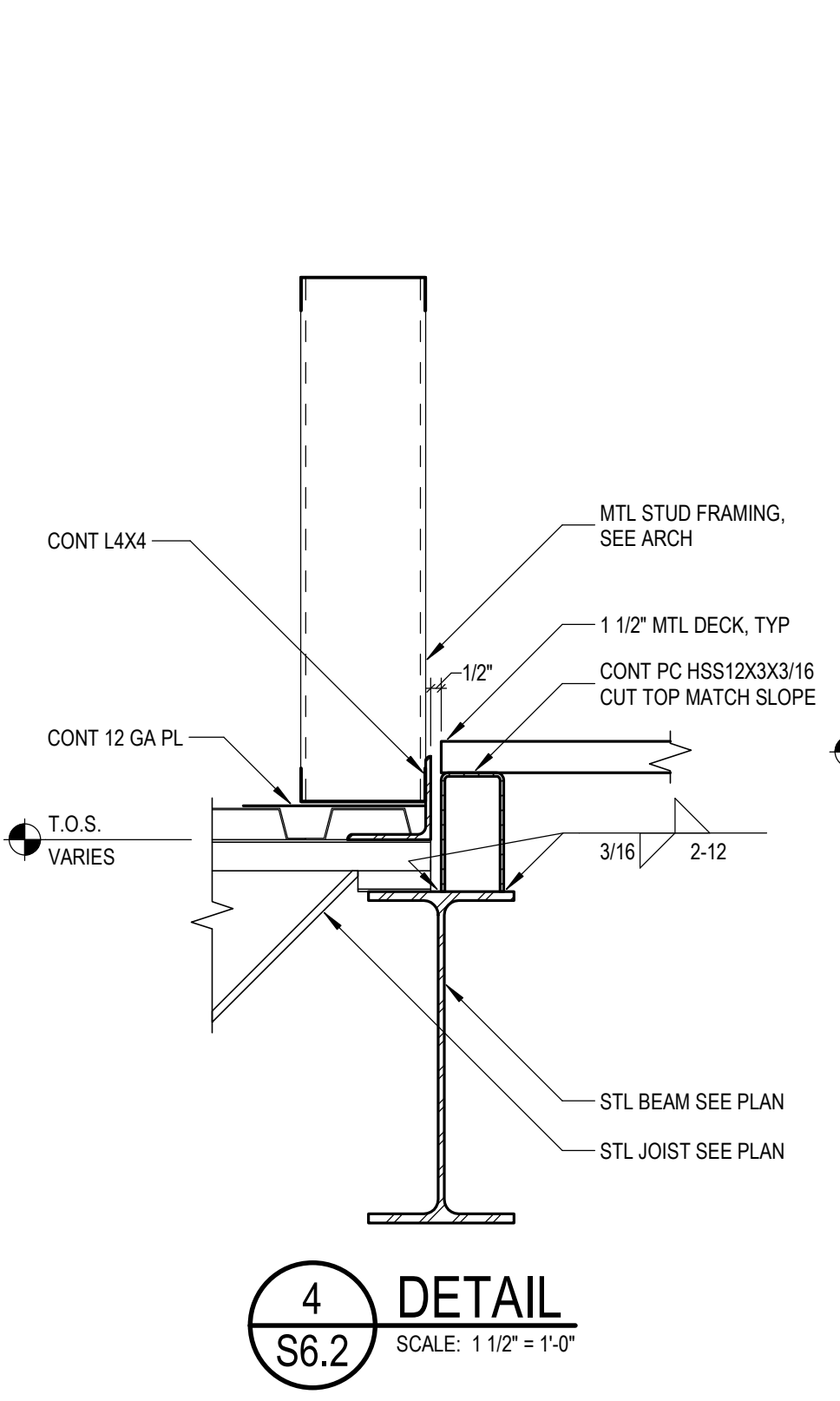
**1 DETAIL**  
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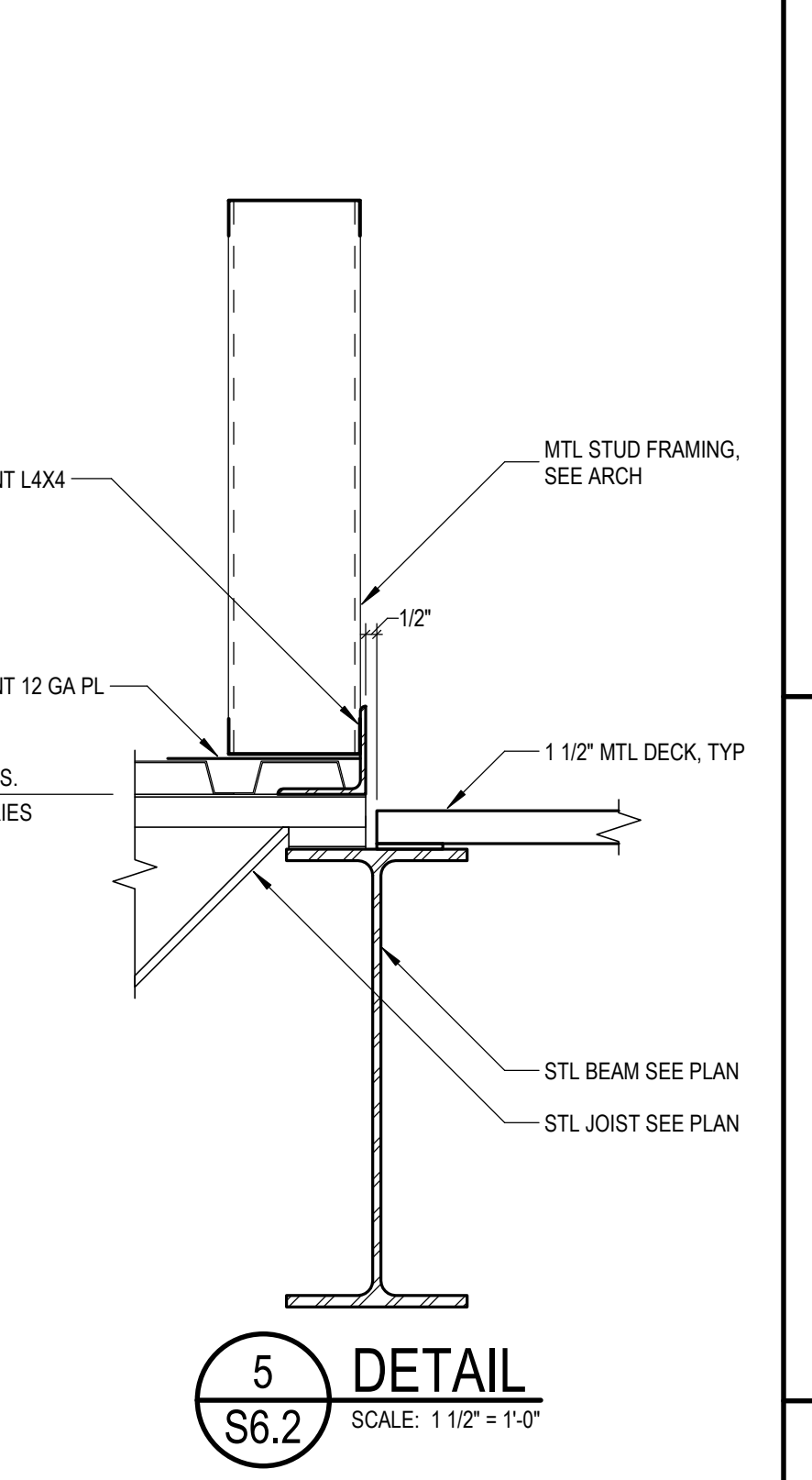
**2 DETAIL**  
S6.2 SCALE: 1" = 1'-0"



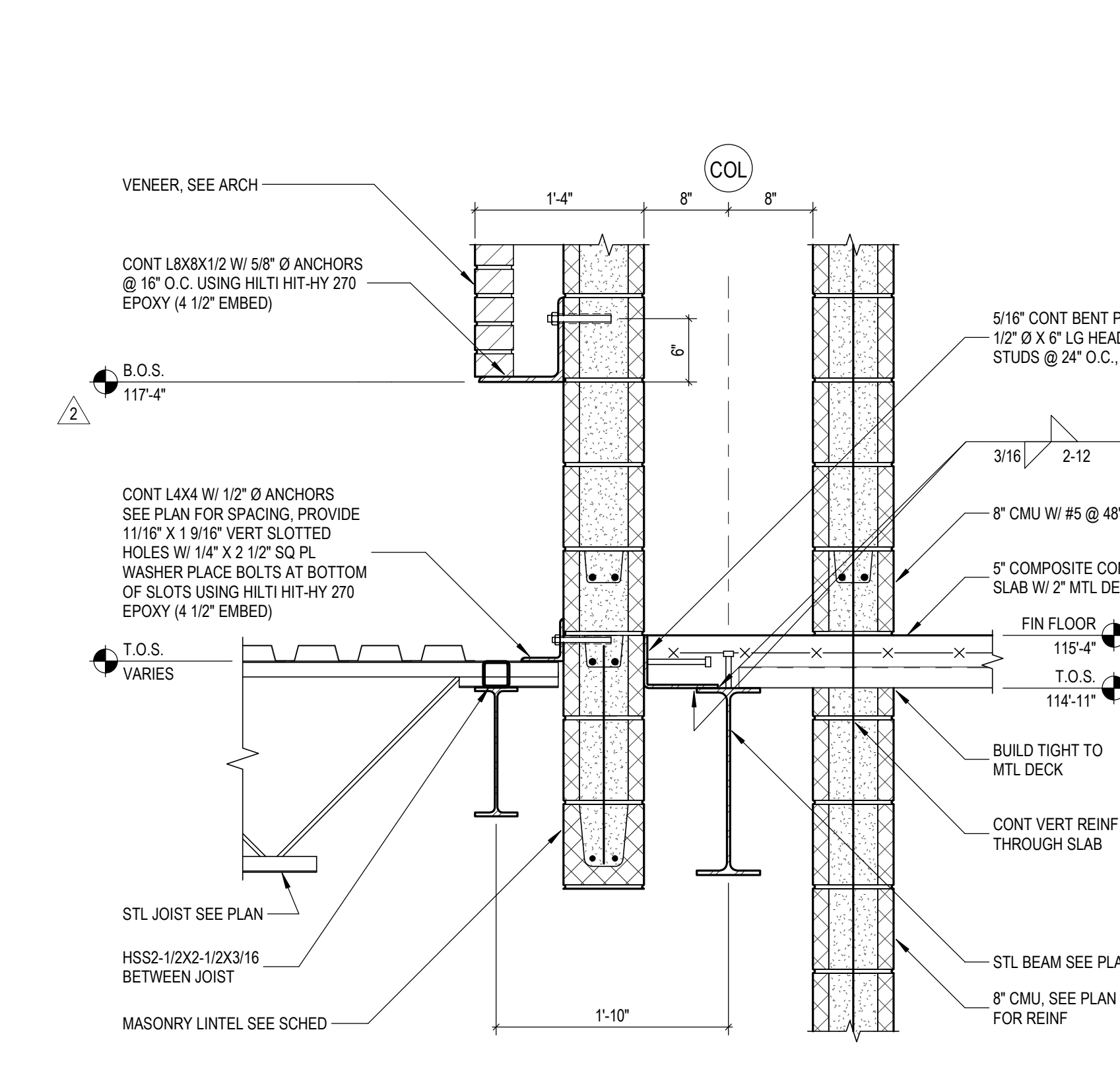
**3 DETAIL**  
S6.2 SCALE: 1" = 1'-0"



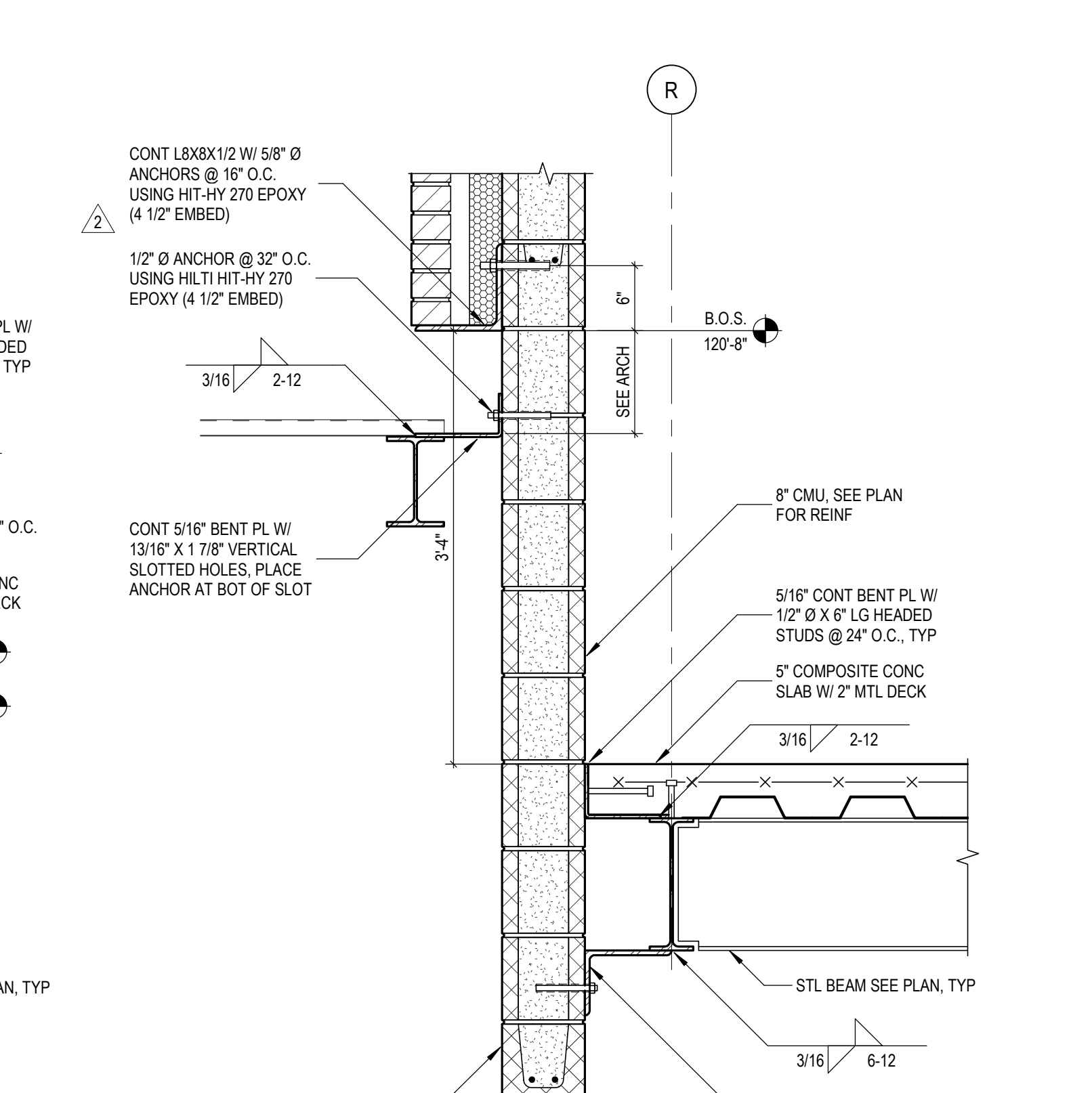
**4 DETAIL**  
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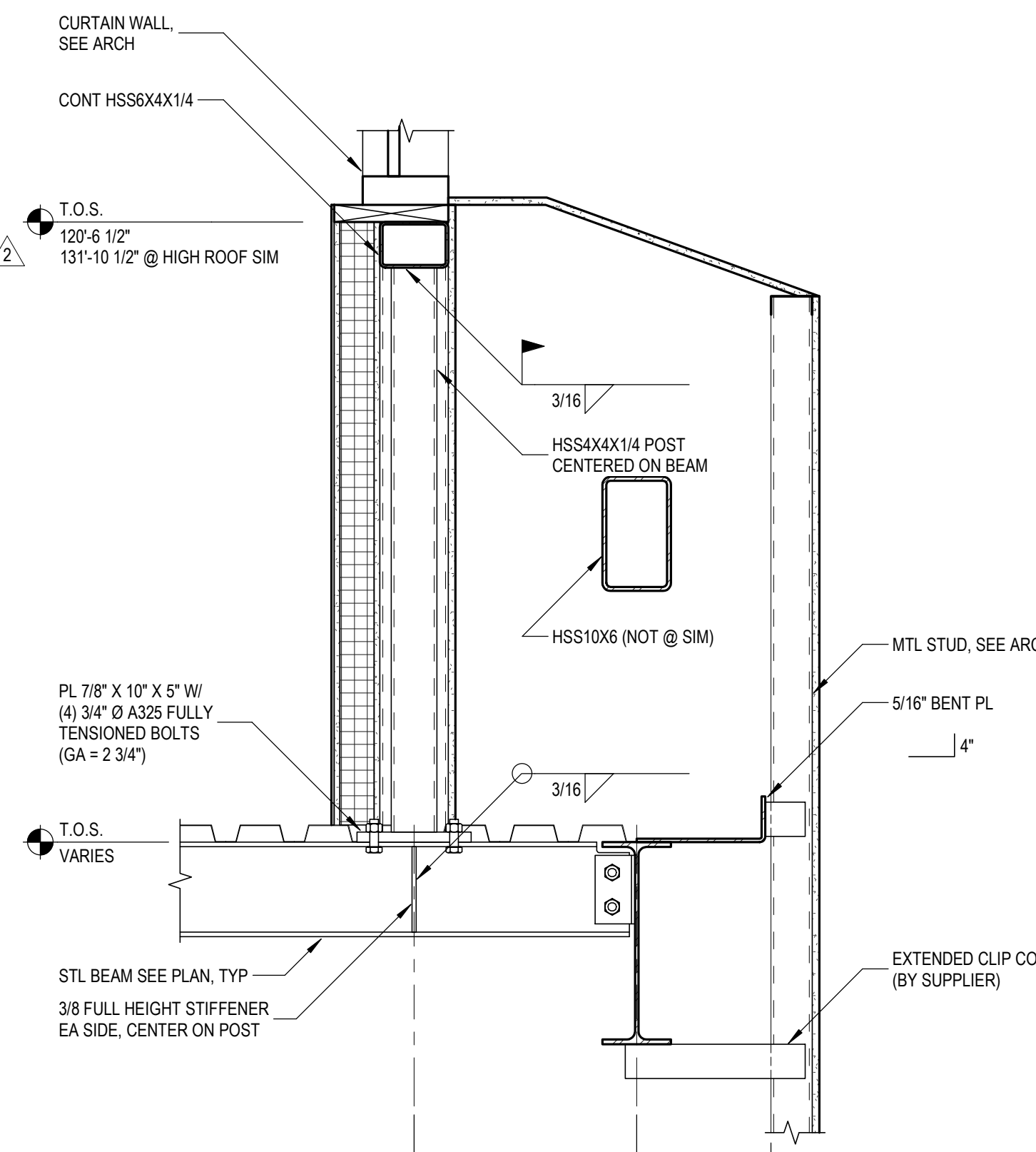
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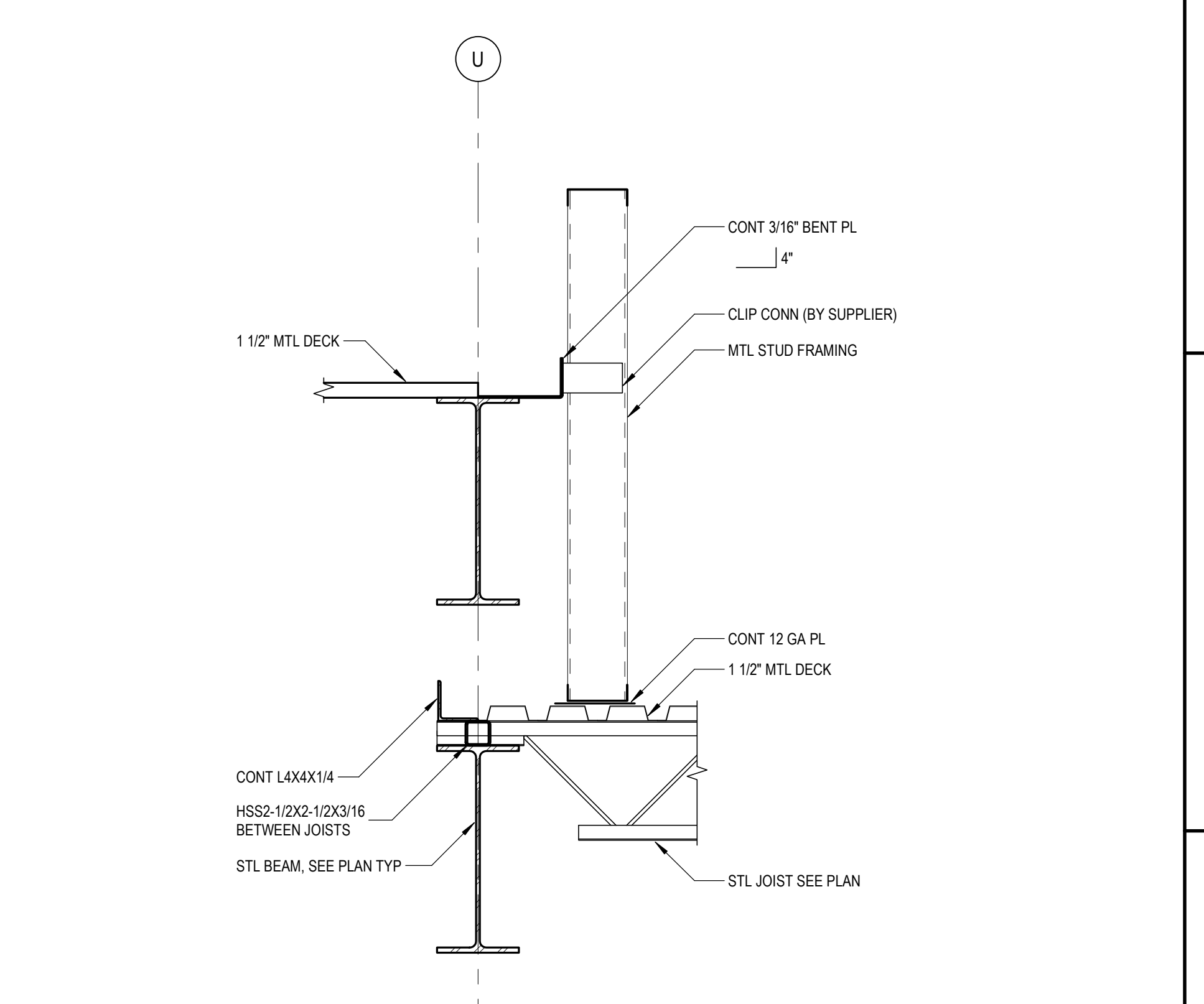
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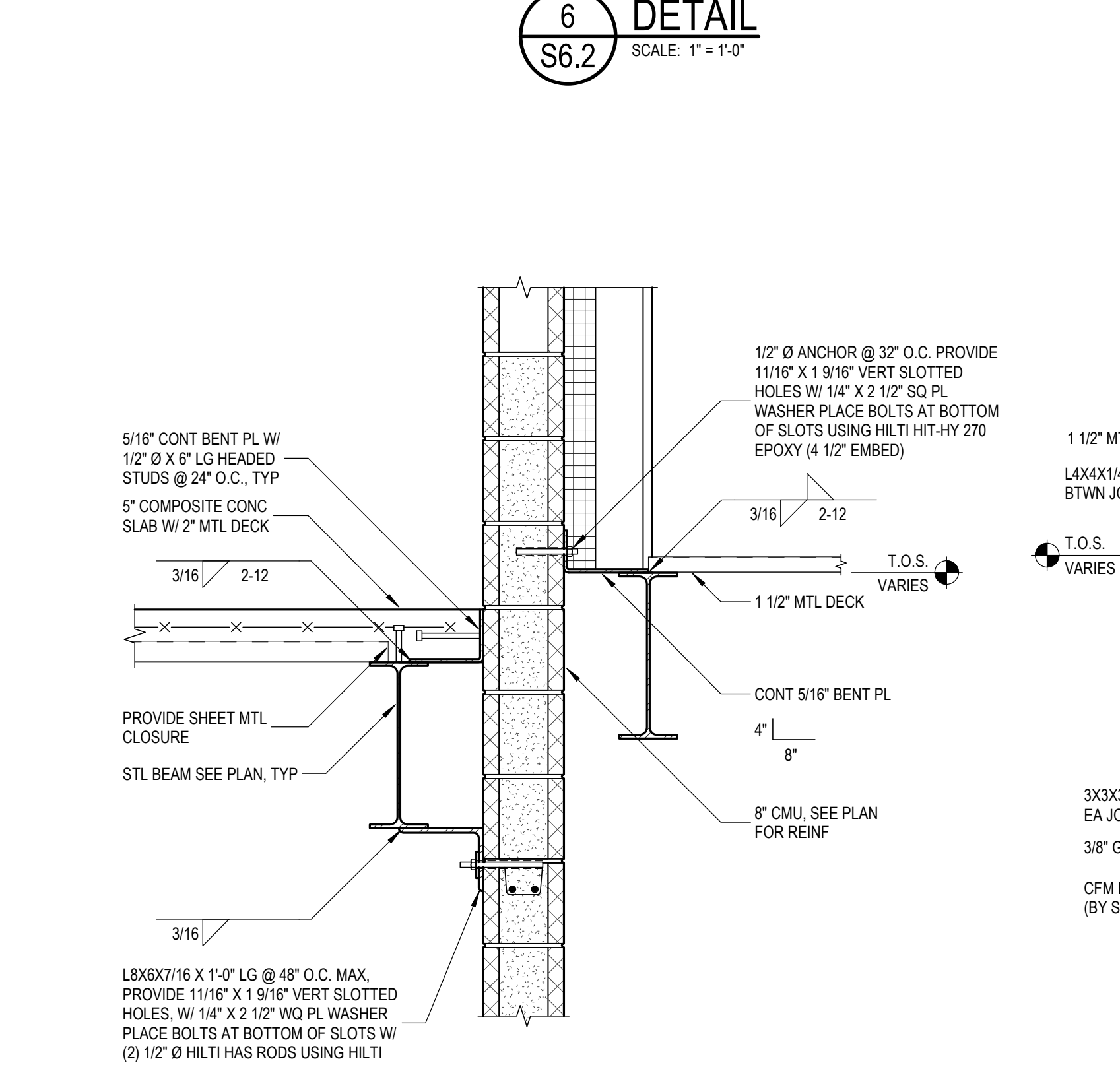
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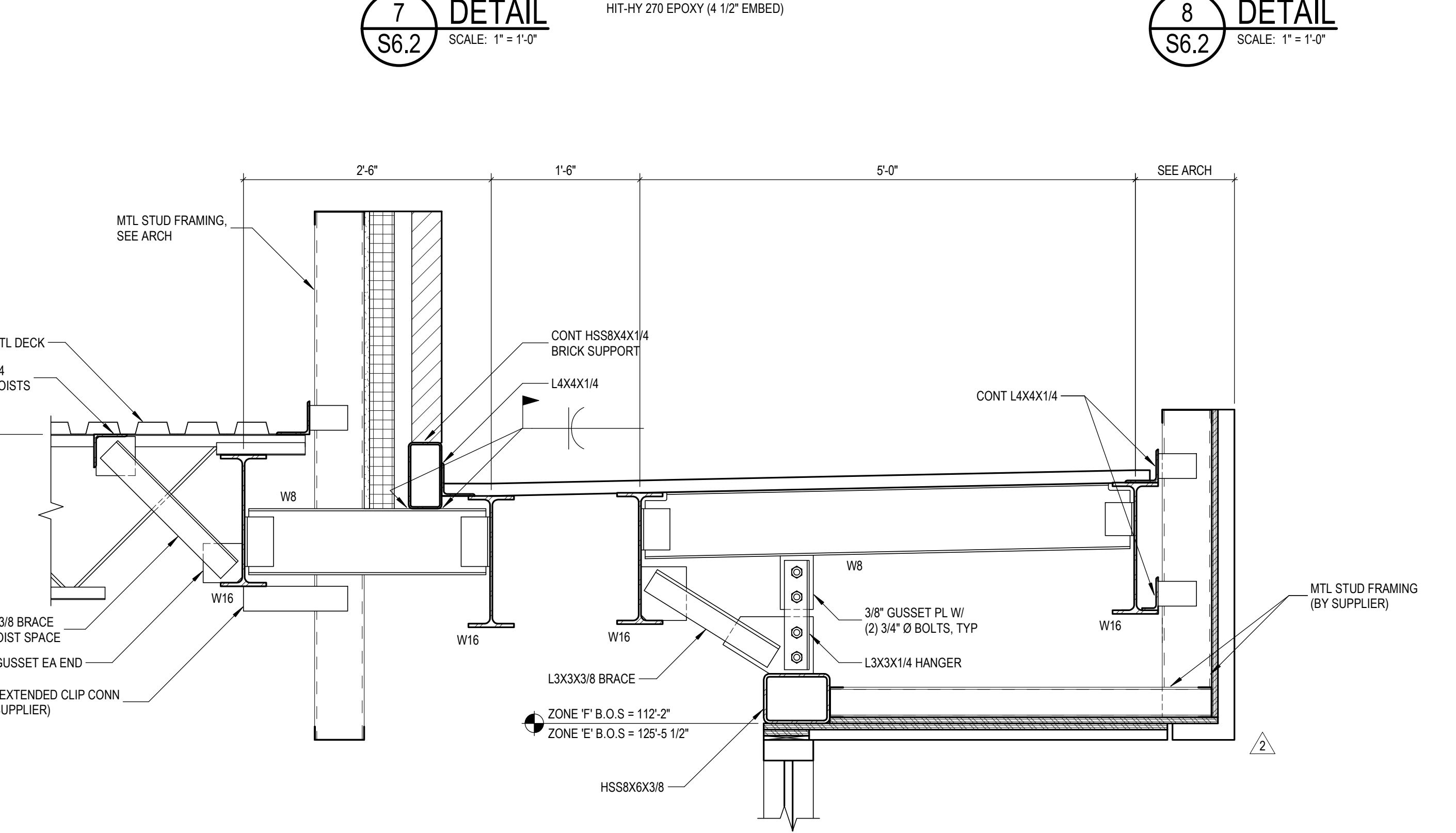
**8 DETAIL**  
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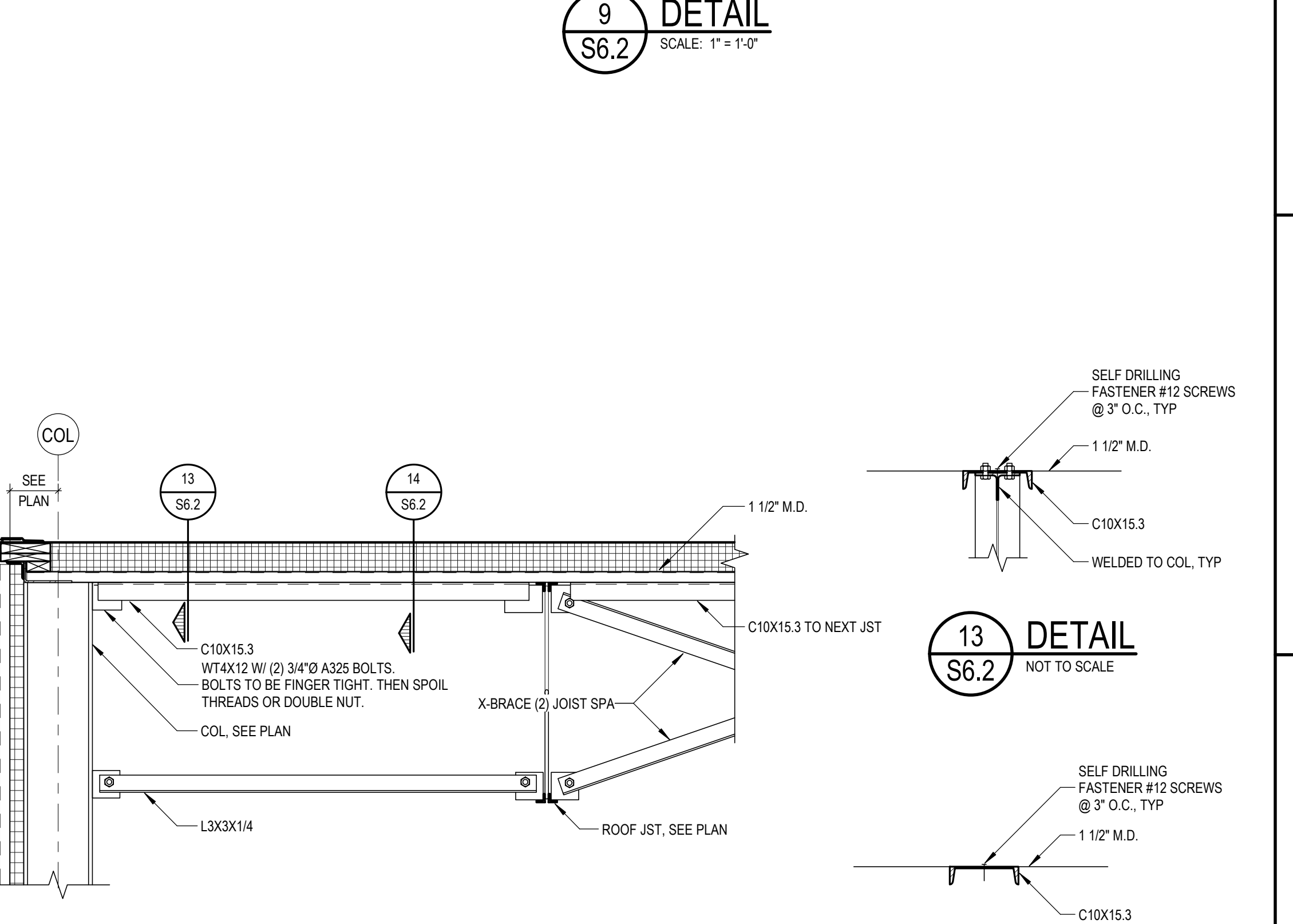
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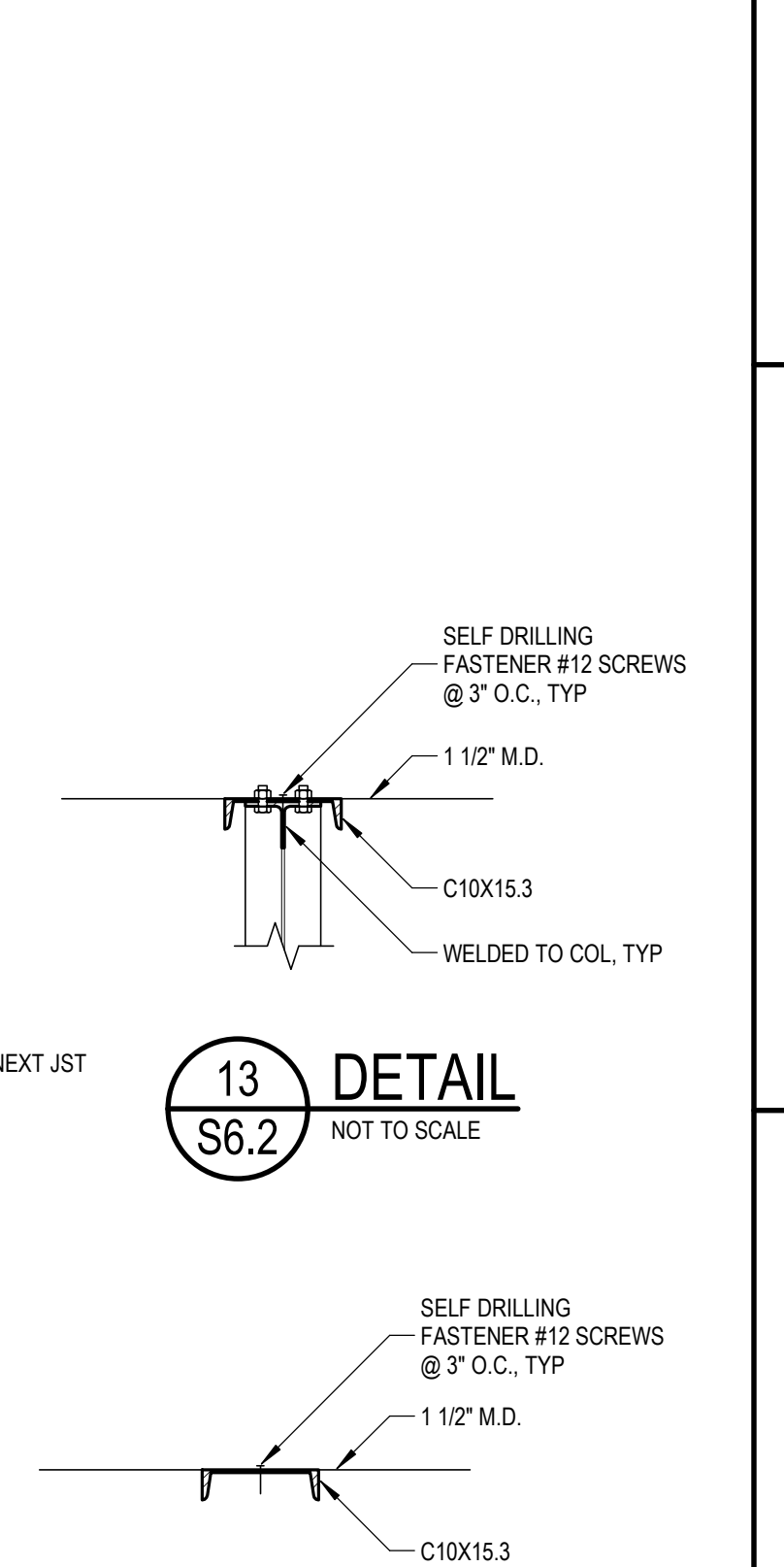
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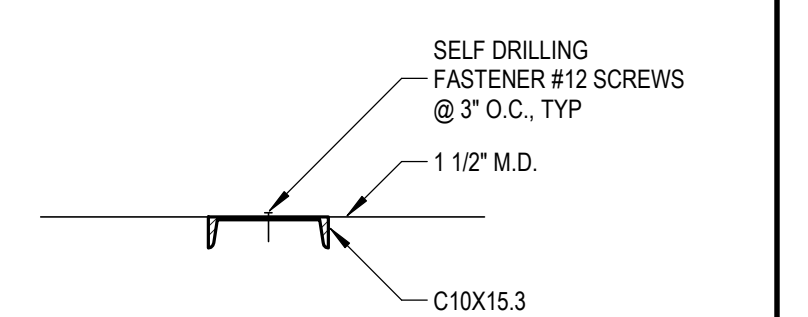
**11 DETAIL**  
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**12 TYP WIND COL BRACE DETAIL**  
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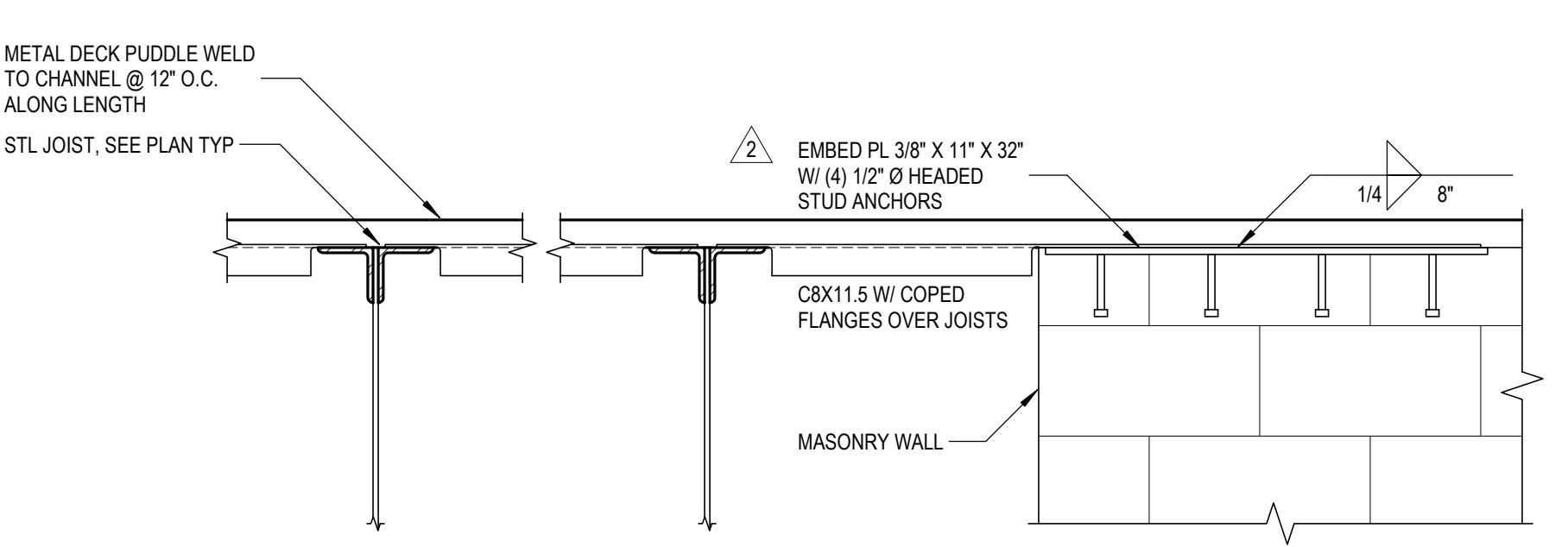
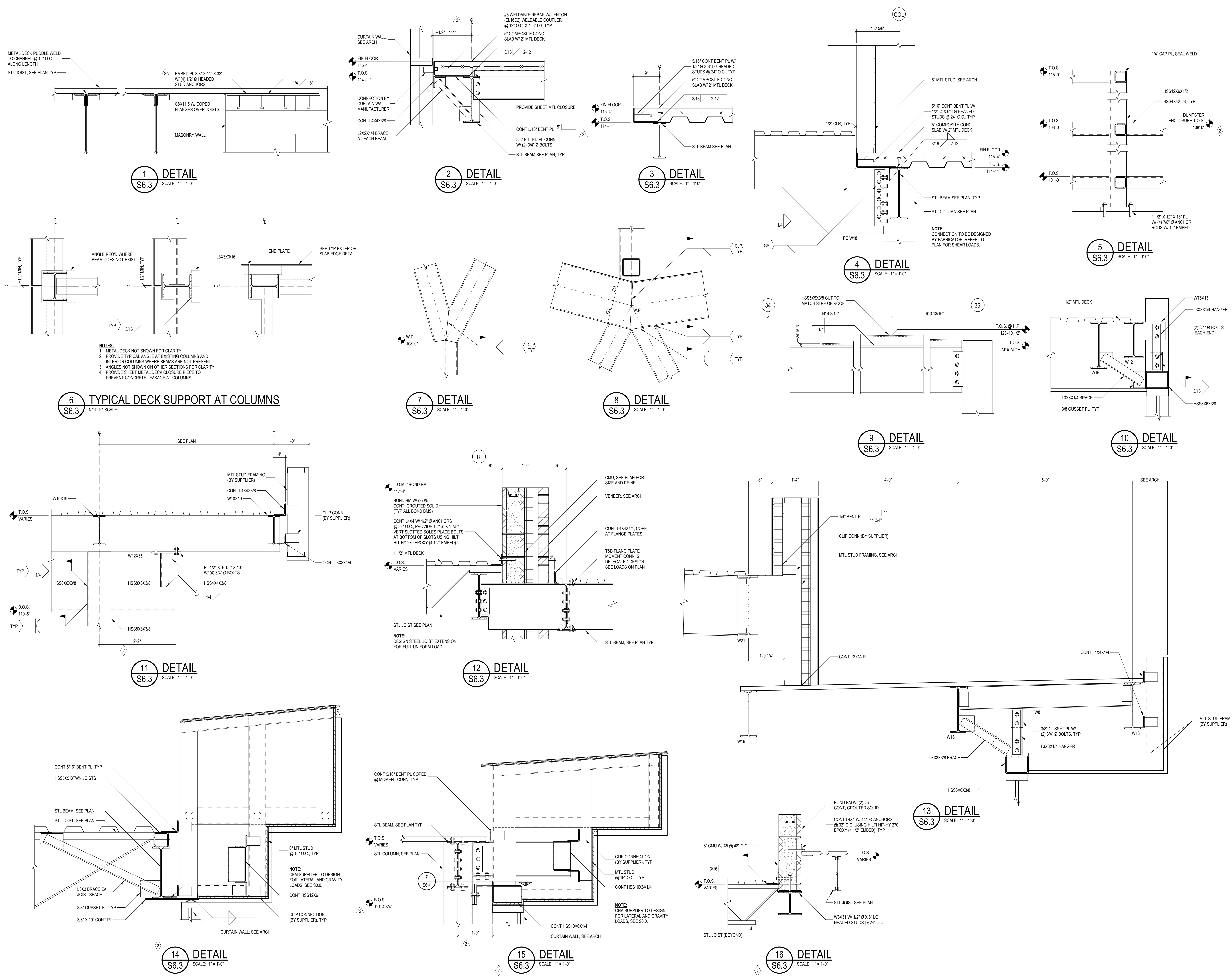


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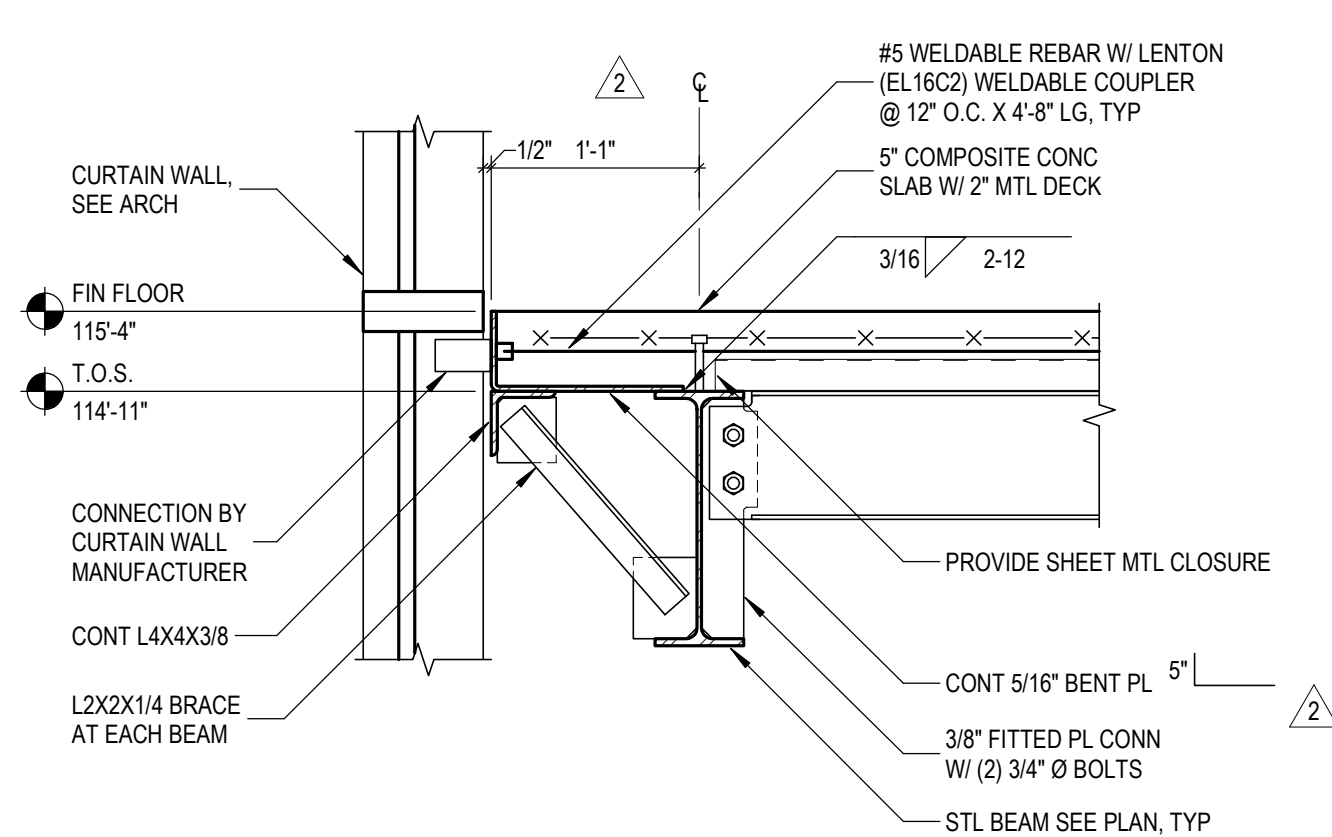


**14 DETAIL**  
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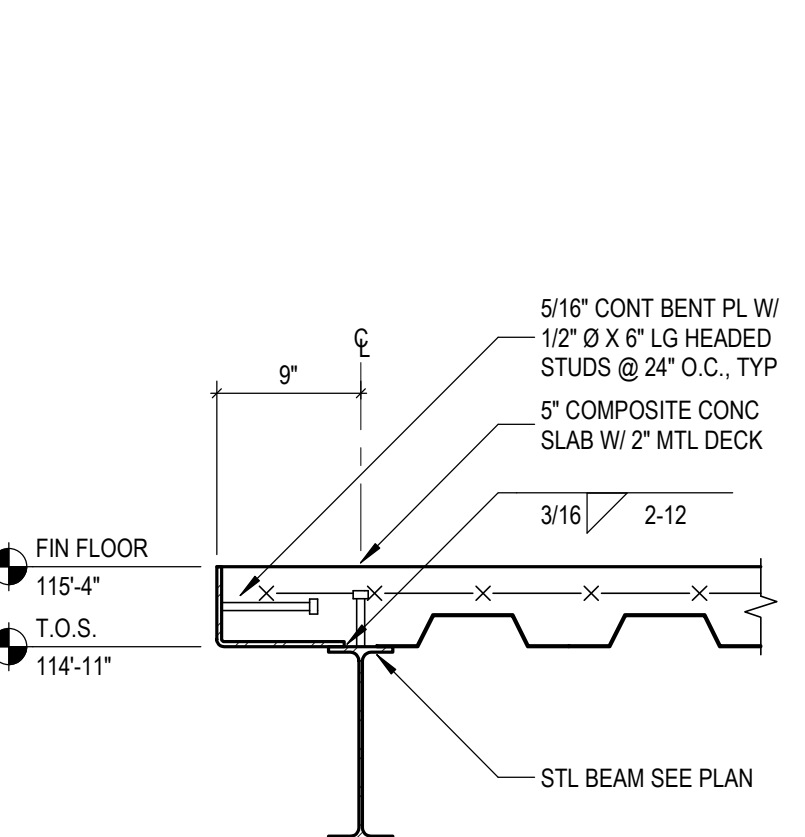
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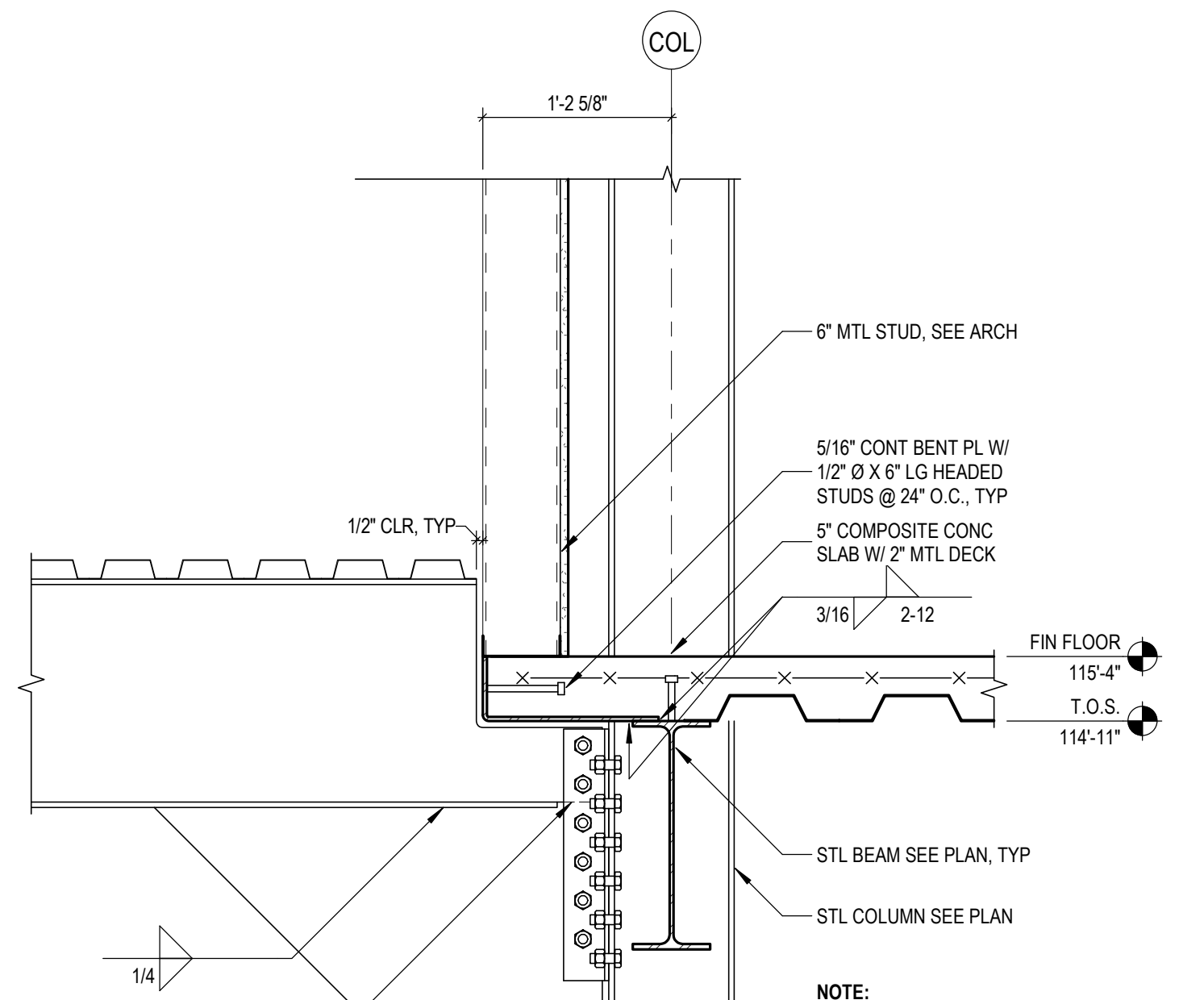
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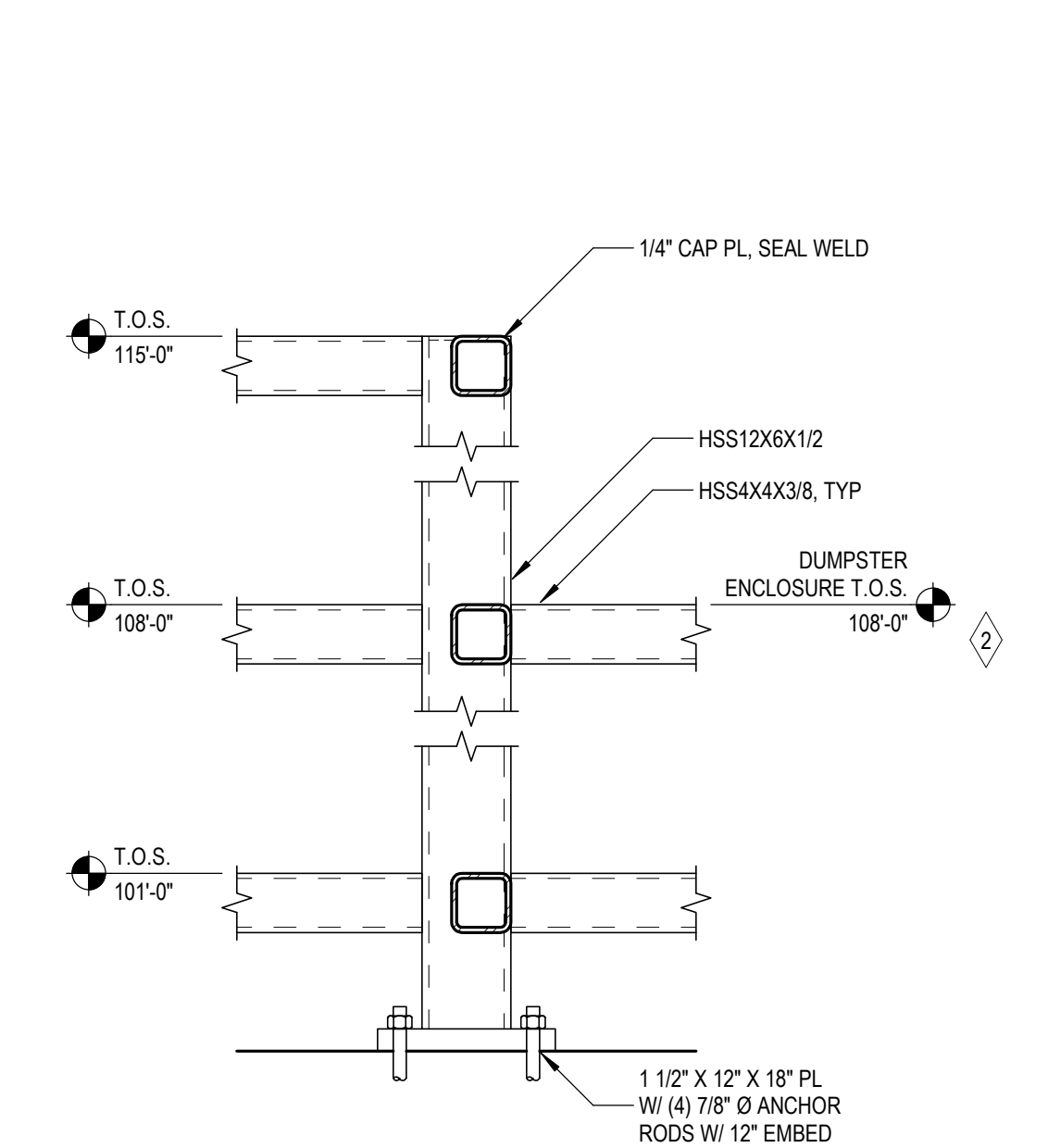
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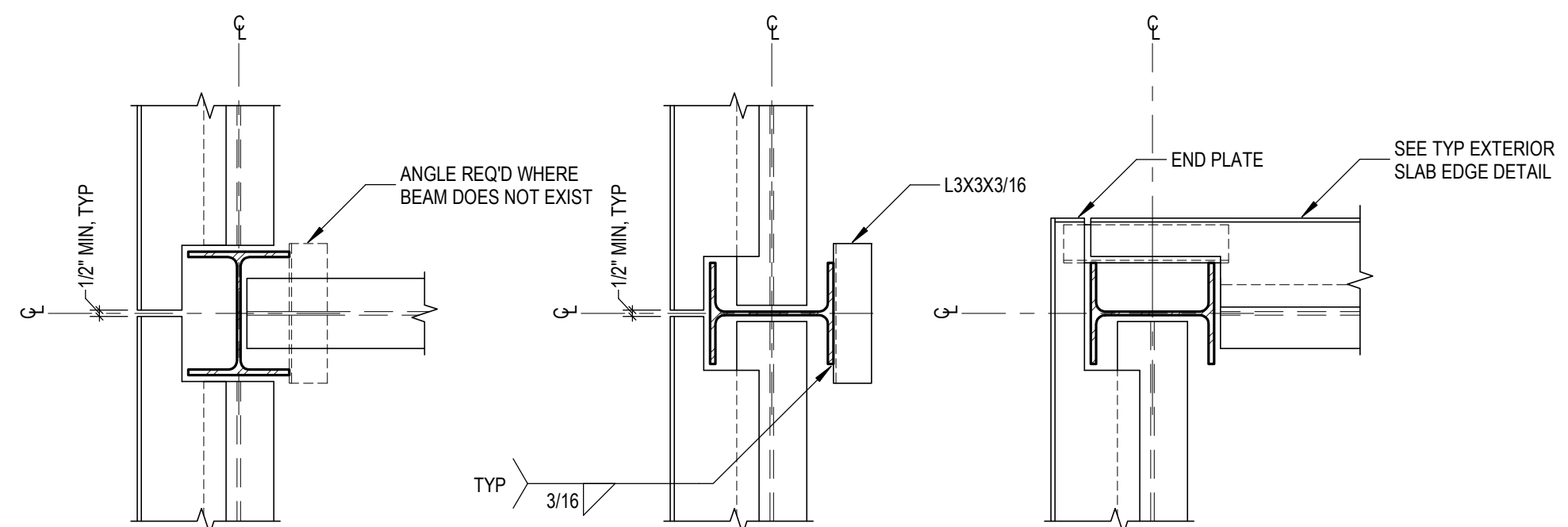
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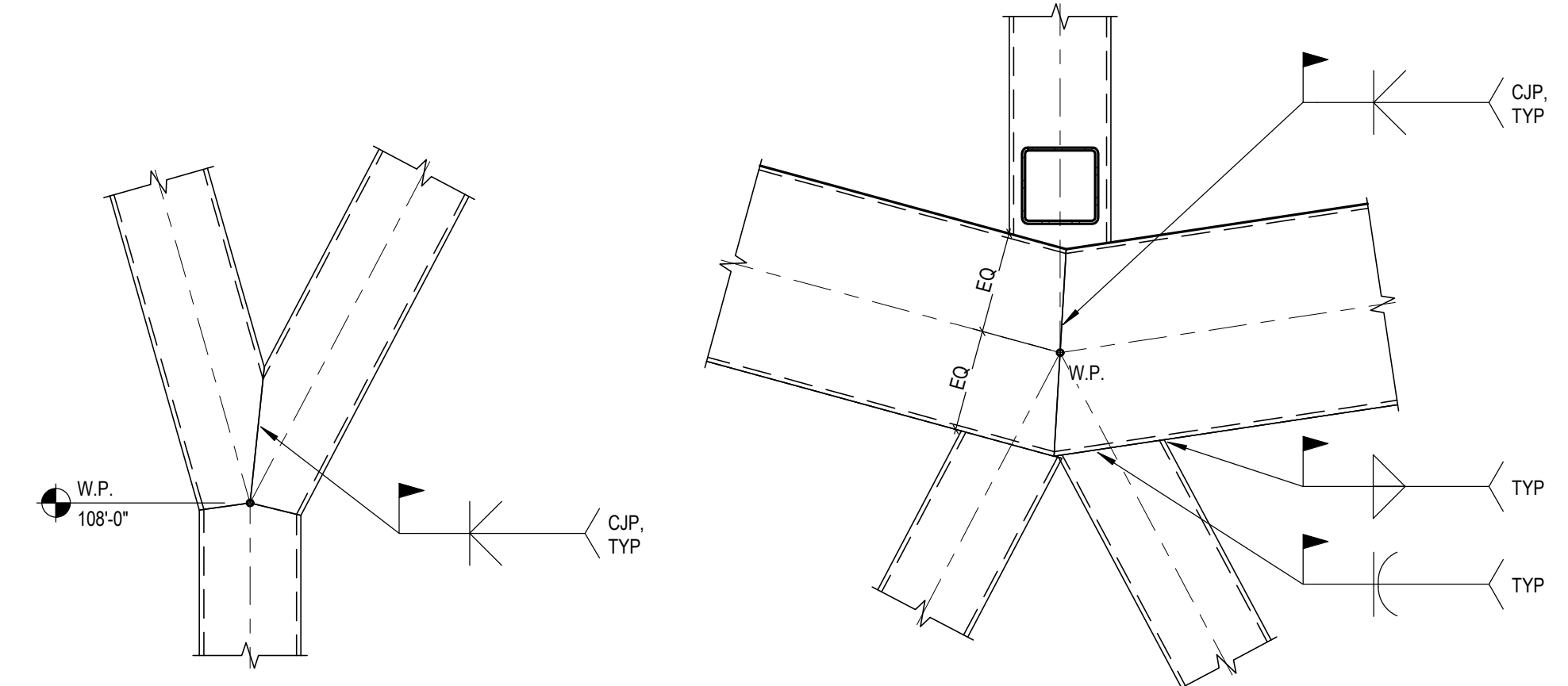
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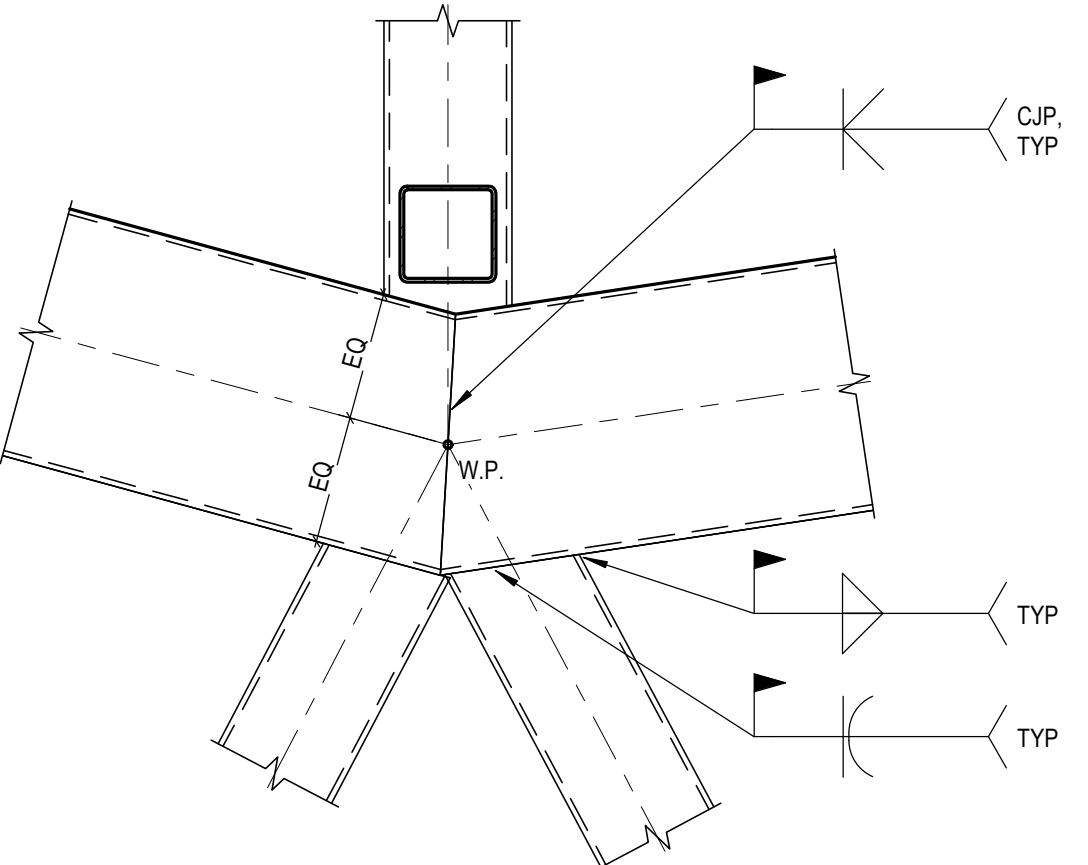
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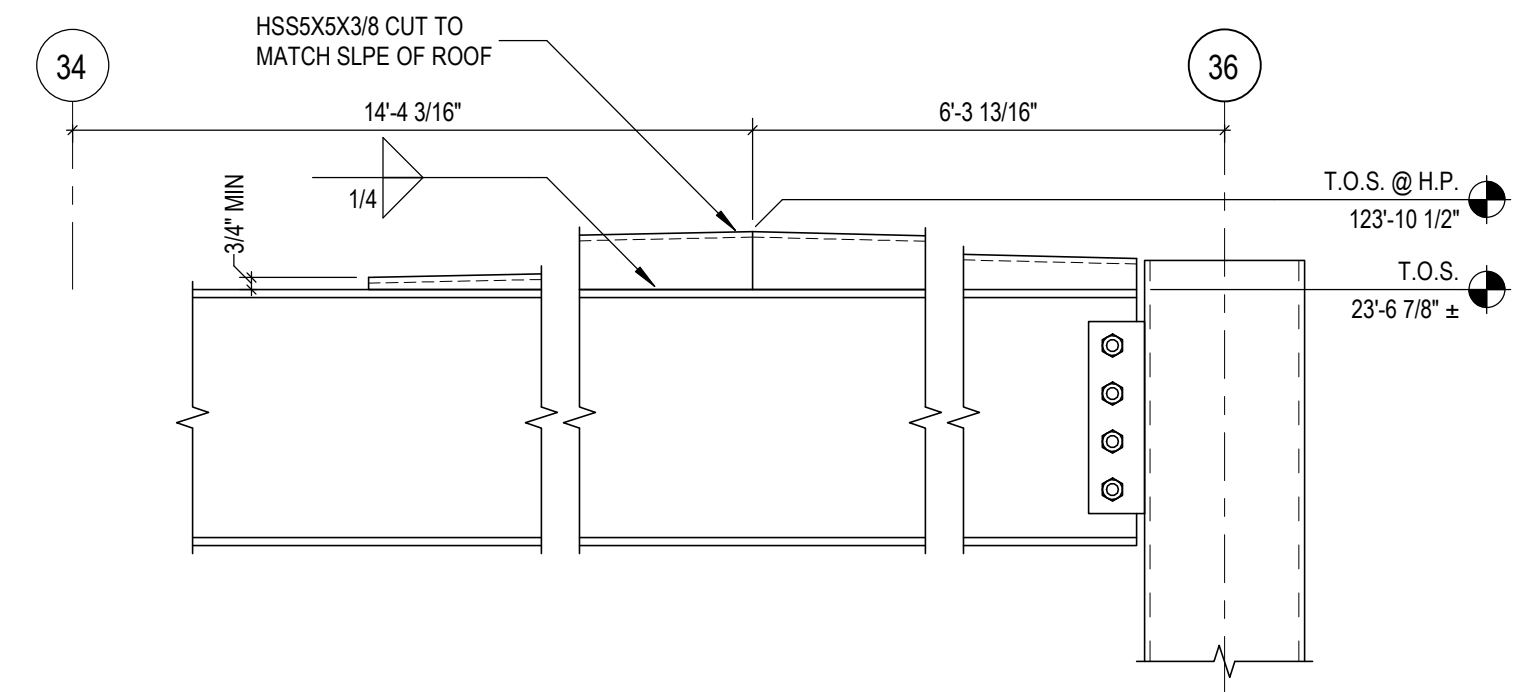
**6** TYPICAL DECK SUPPORT AT COLUMNS  
S6.3  
NOT TO SCALE



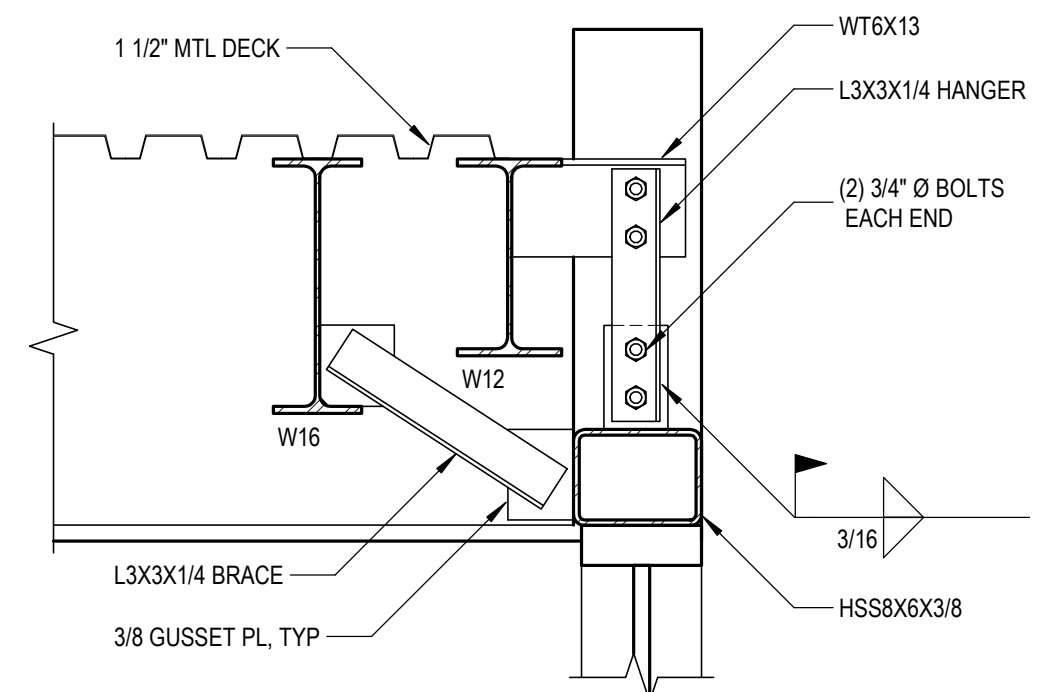
**7** DETAIL  
S6.3  
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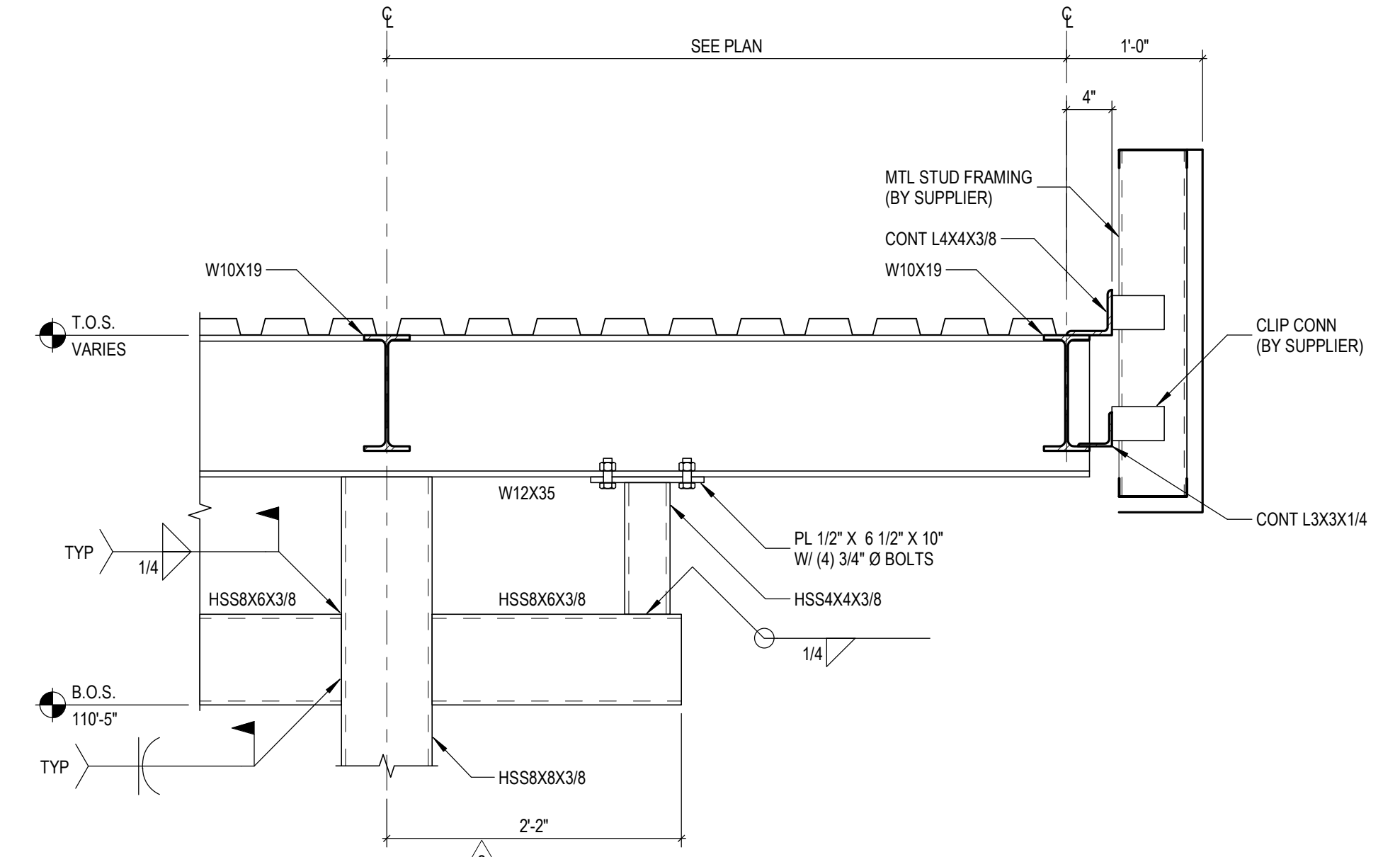
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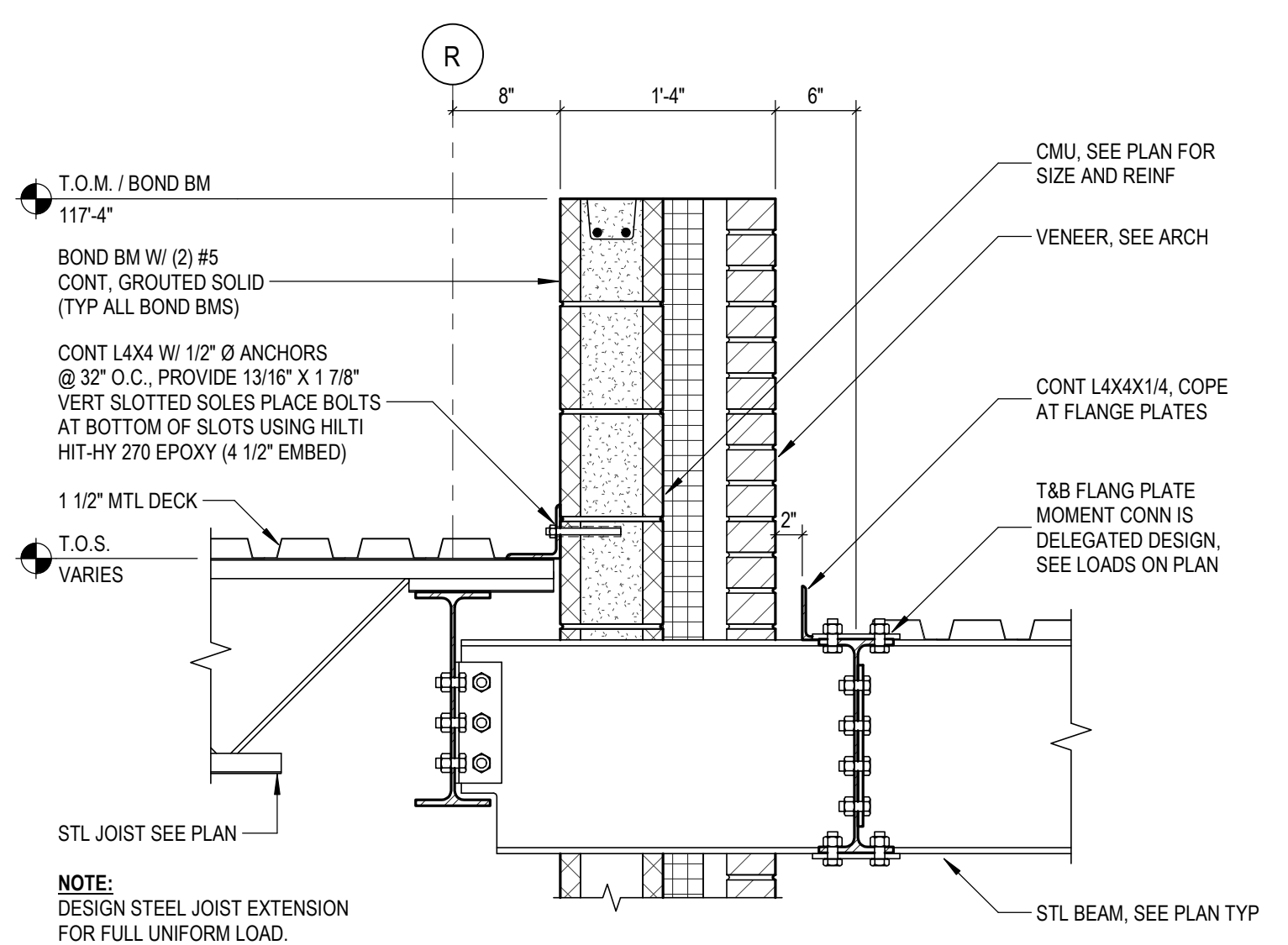
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SCALE: 1" = 1'-0"



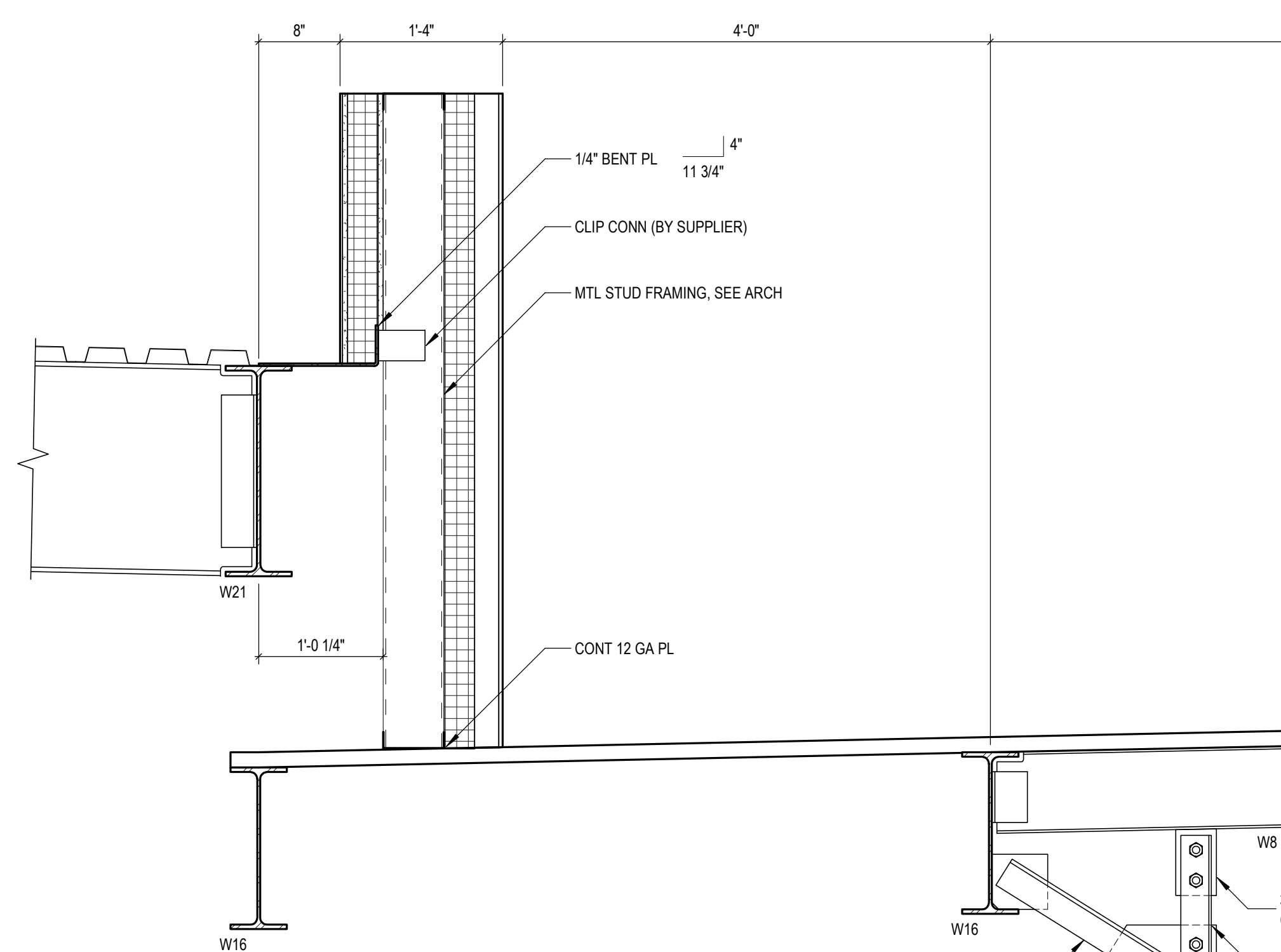
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S6.3  
SCALE: 1" = 1'-0"



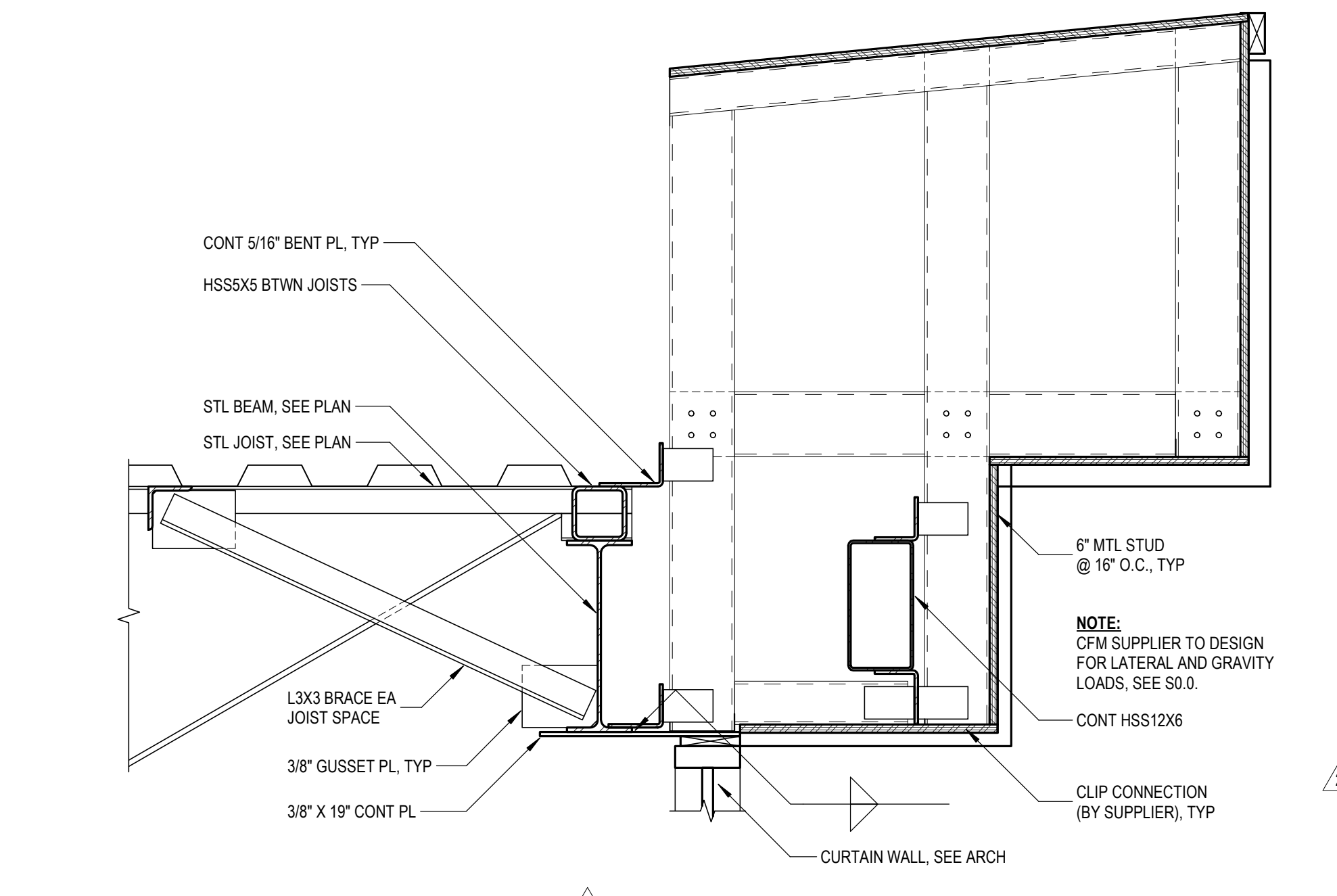
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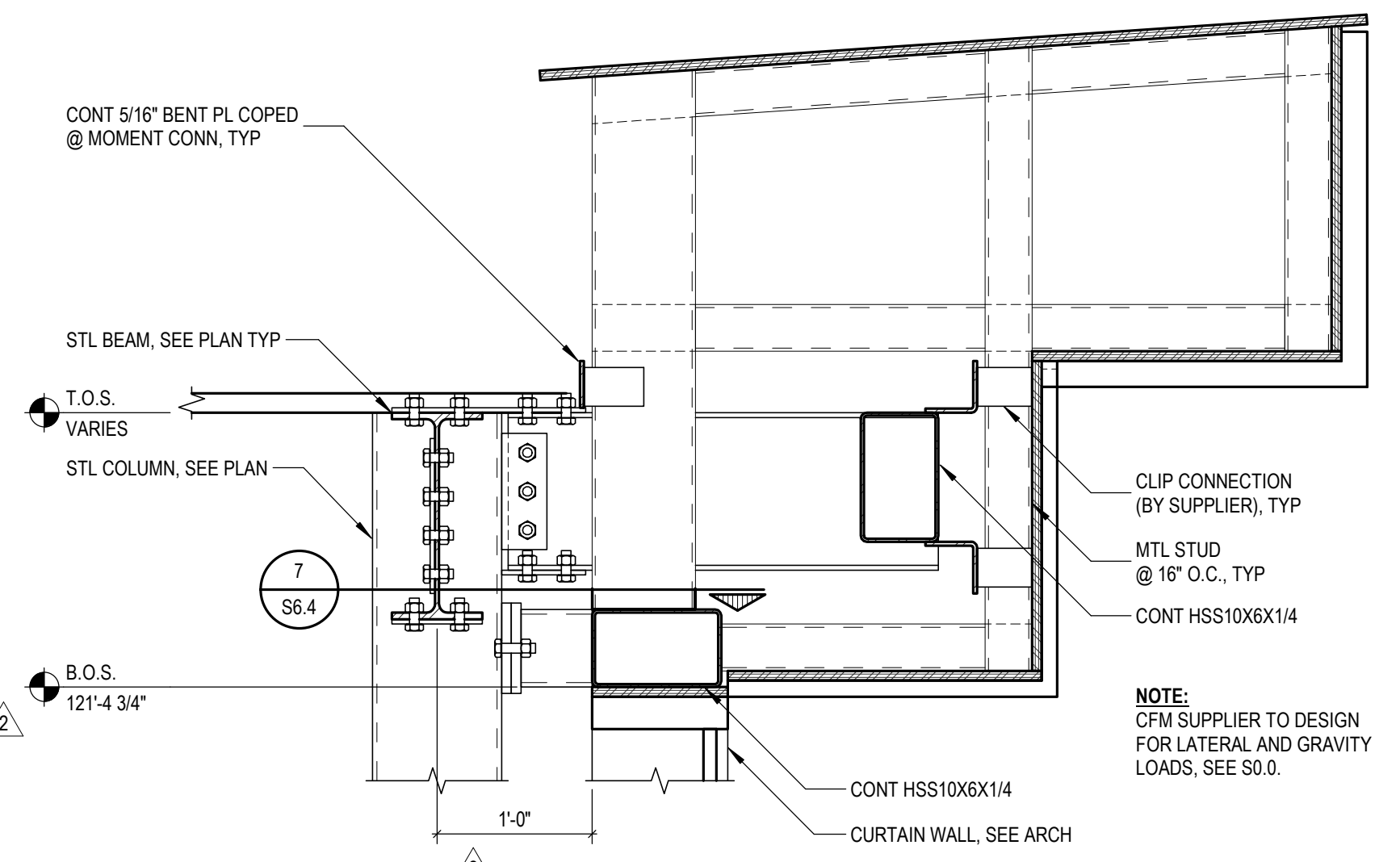
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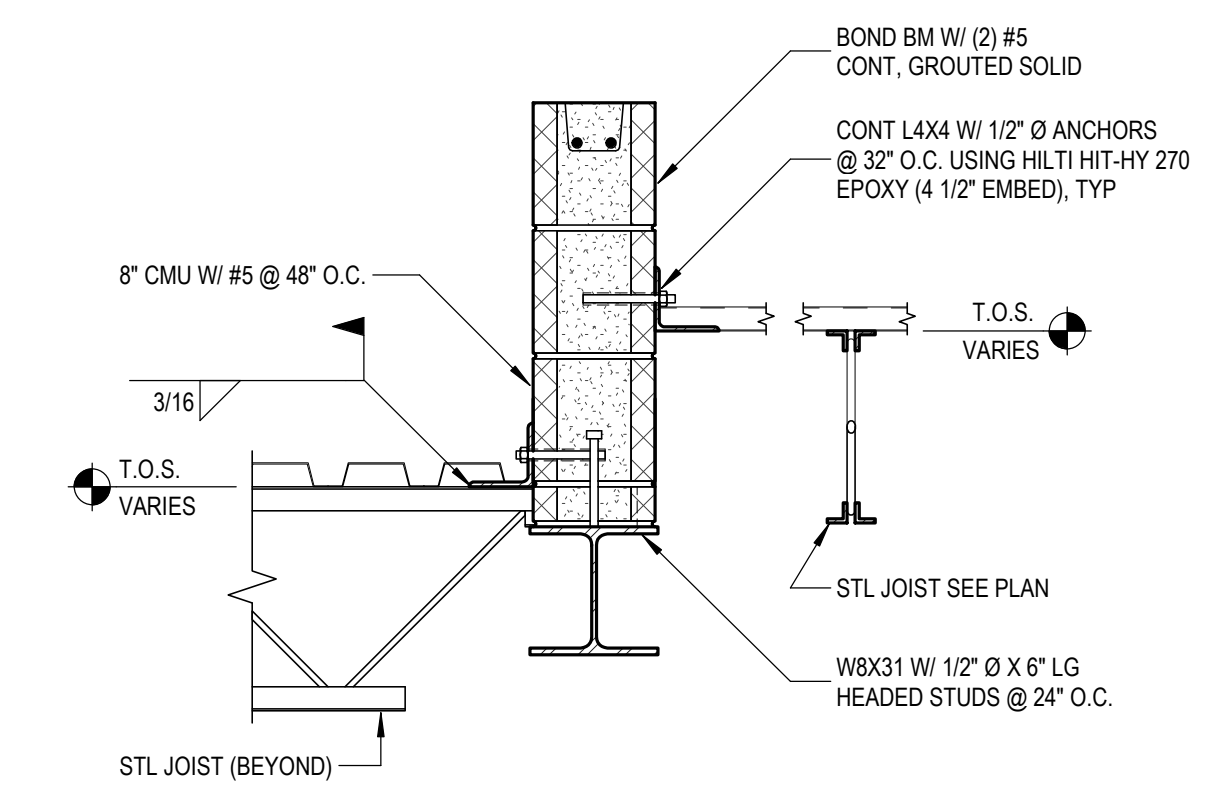
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SCALE: 1" = 1'-0"



**14** DETAIL  
S6.3  
SCALE: 1" = 1'-0"



**15** DETAIL  
S6.3  
SCALE: 1" = 1'-0"



**16** DETAIL  
S6.3  
SCALE: 1" = 1'-0"

**TMP ARCHITECTURE**  
ARCHITECTURE  
TMP ARCHITECTURE INC  
1191 WEST SQUARE LAKE ROAD  
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EM: INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT  
**W&K**  
WILLIAM A. KIRBE & ASSOCIATES, INC.  
ENGINEERS | ARCHITECTS | SURVEYORS

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Steel Details**

KEY PLAN

ISSUE DATES	

DATE	ISSUED FOR:

DATE	CONSTRUCTION DOCUMENTS
06-18-2024	CONSTRUCTION DOCUMENTS
05-30-2024	BULLETIN NO. 1
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01-23-2024	CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN:	D. BART
CHECKED:	B. KANNERS
APPROVED:	E. MANNOR

PROJECT NO.  
**22102**

DRAWING NO.  
**S6.3**

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1191 WEST SQUARE LAKE ROAD  
BLOOMFIELD HILLS, MICHIGAN 48302  
PH: 248.338.4561 FX: 248.338.0223  
EM: INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

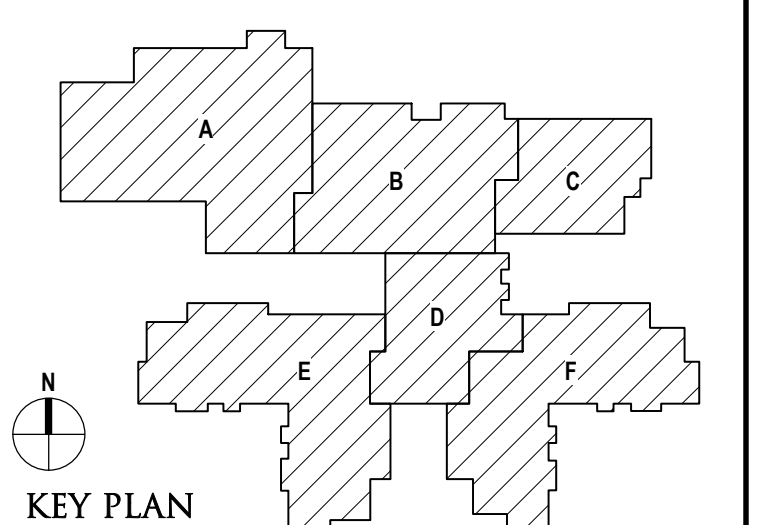
CONSULTANT



PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Steel Details**

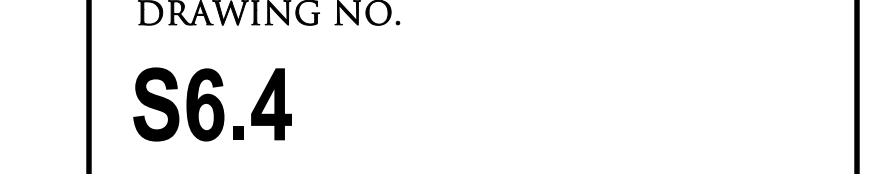
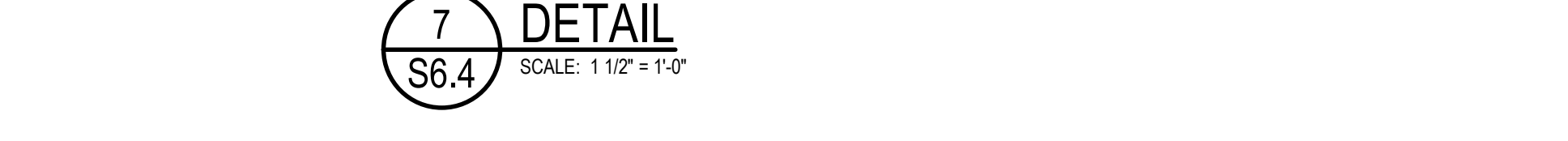
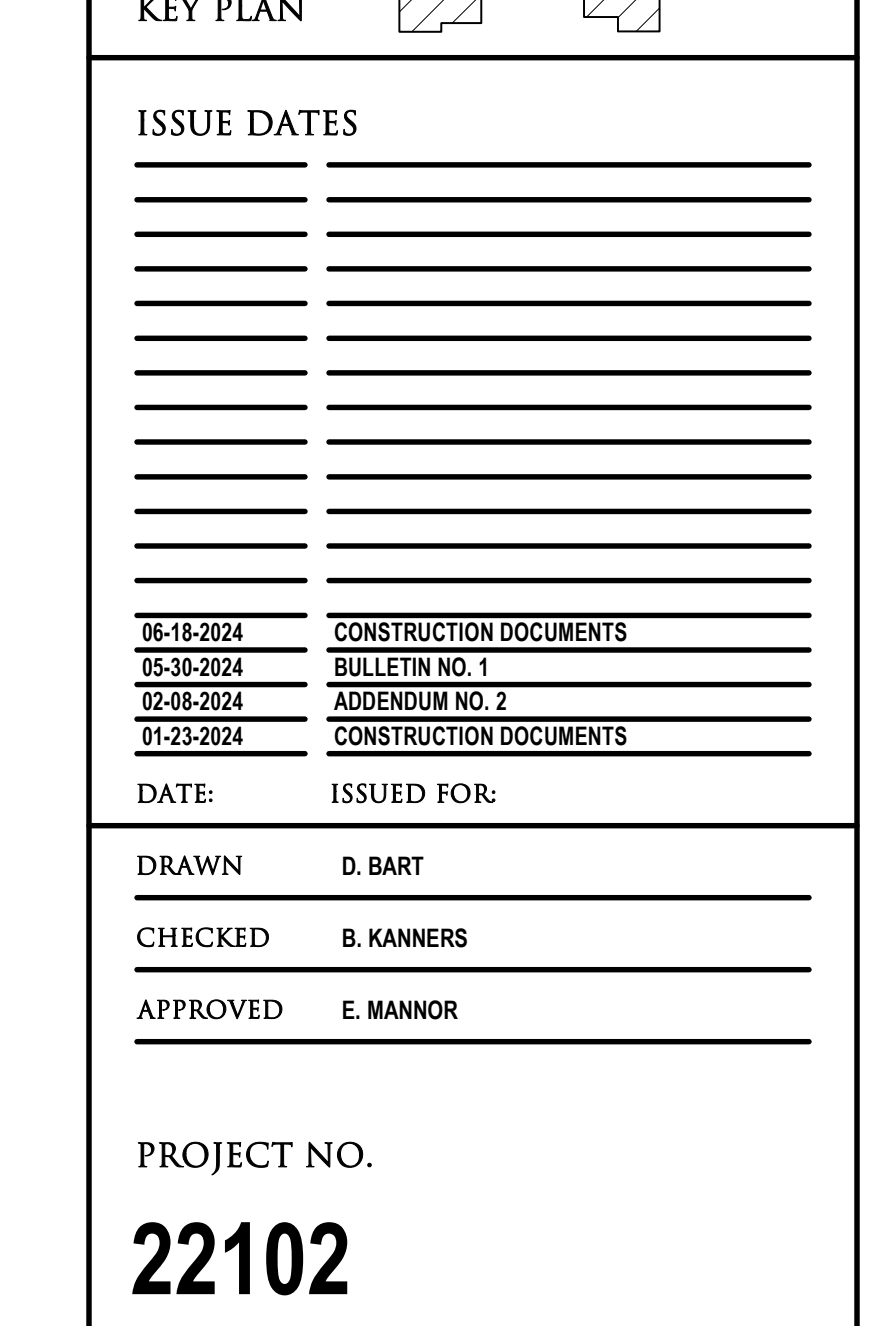
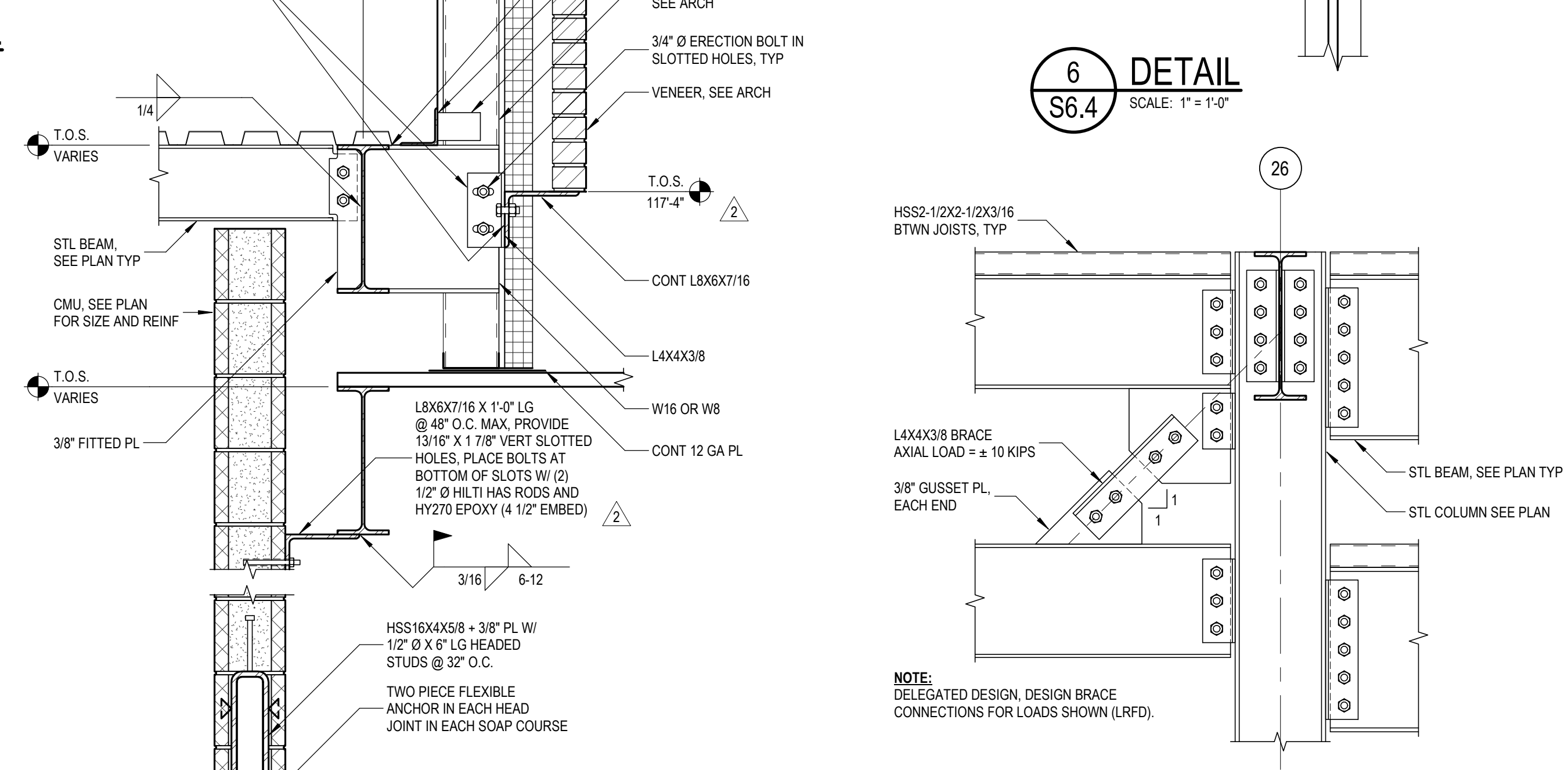
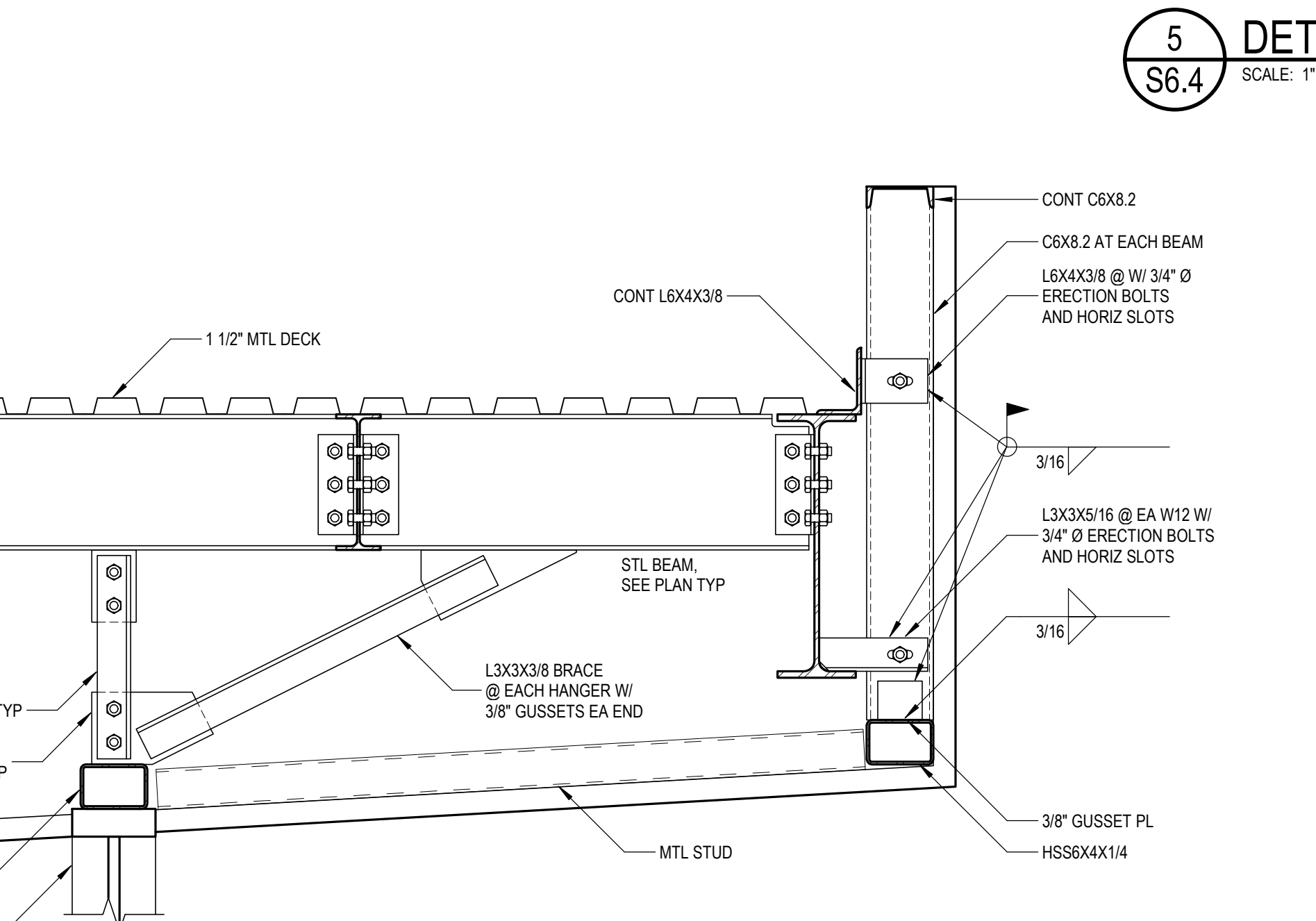
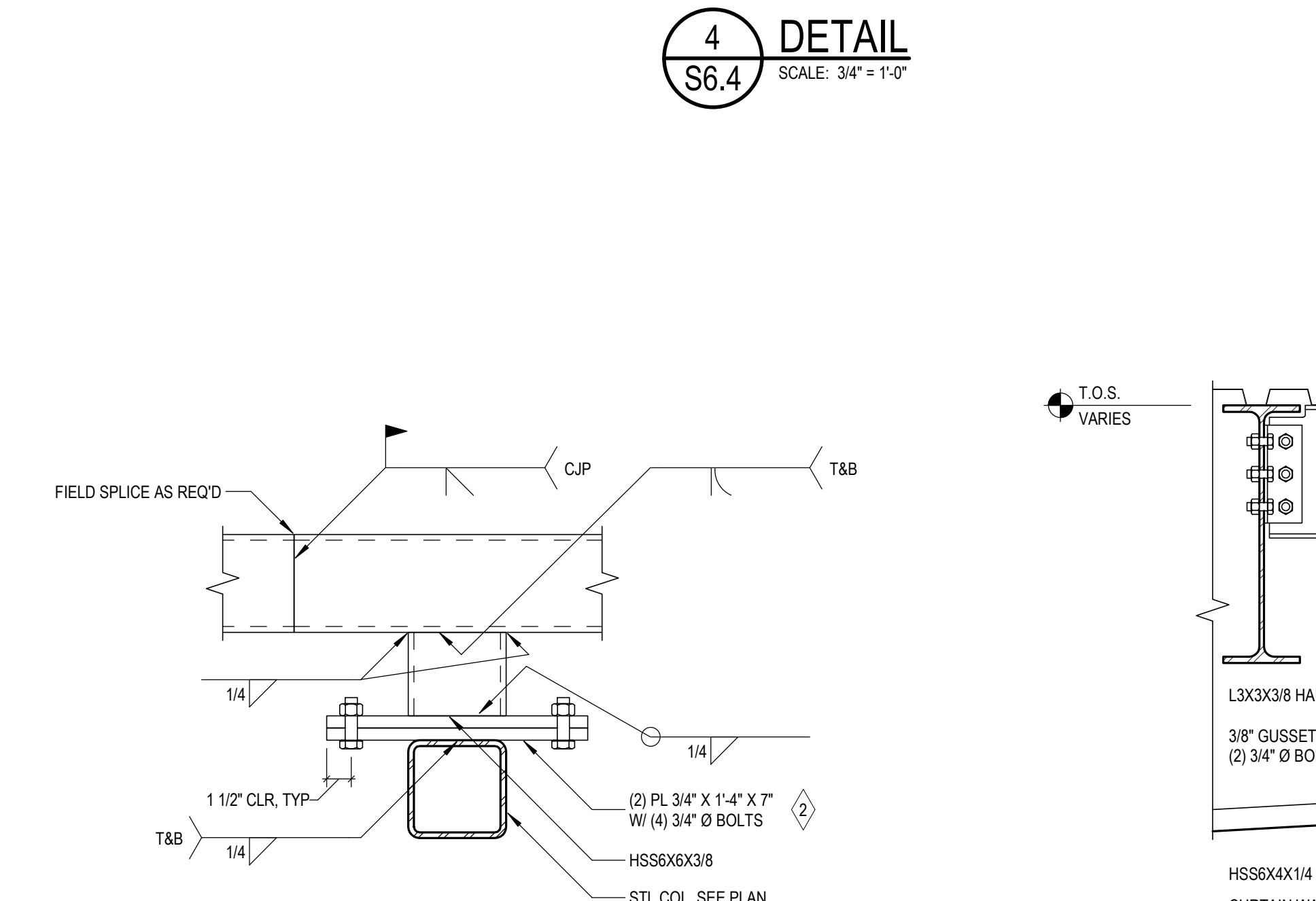
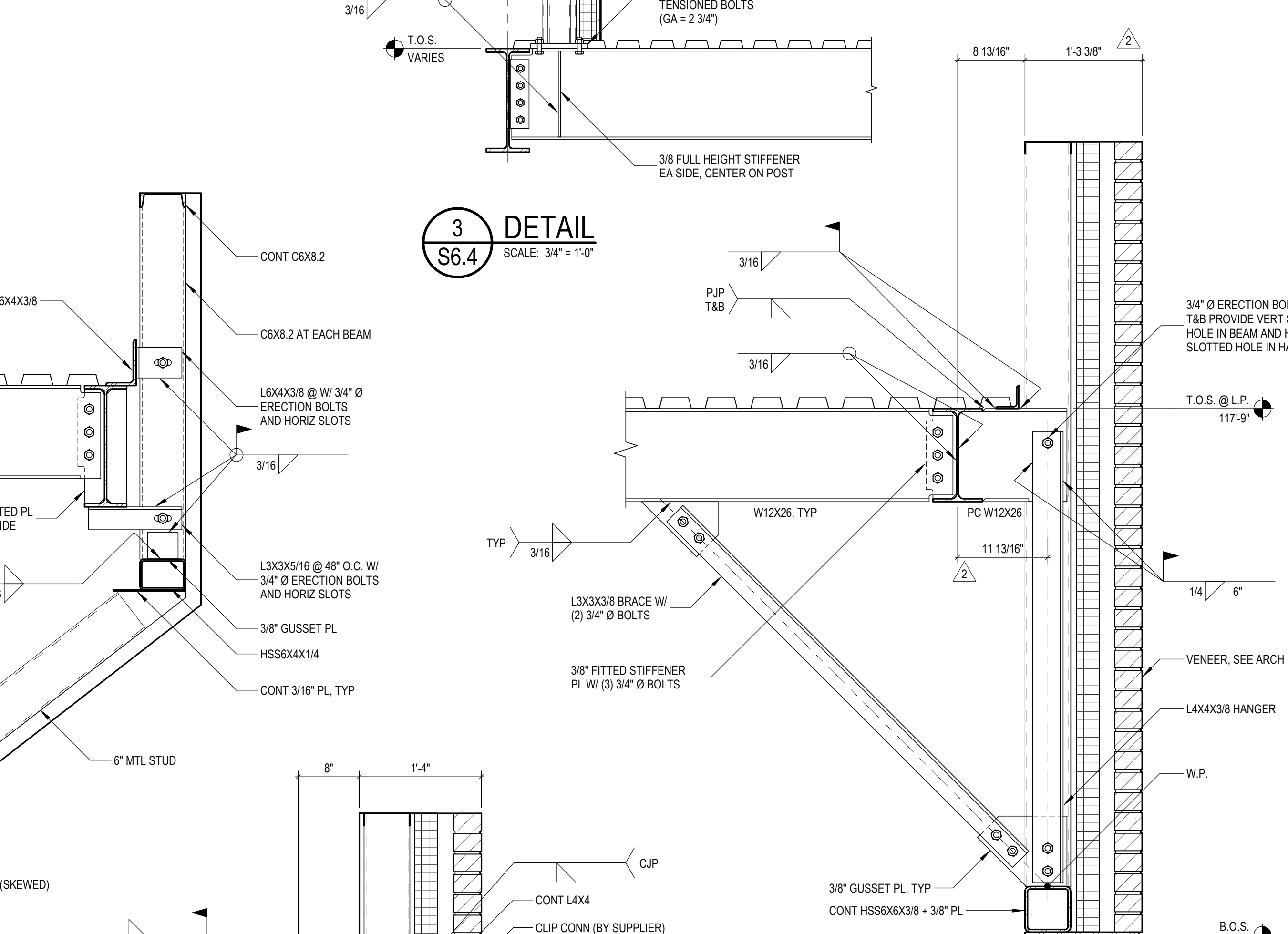
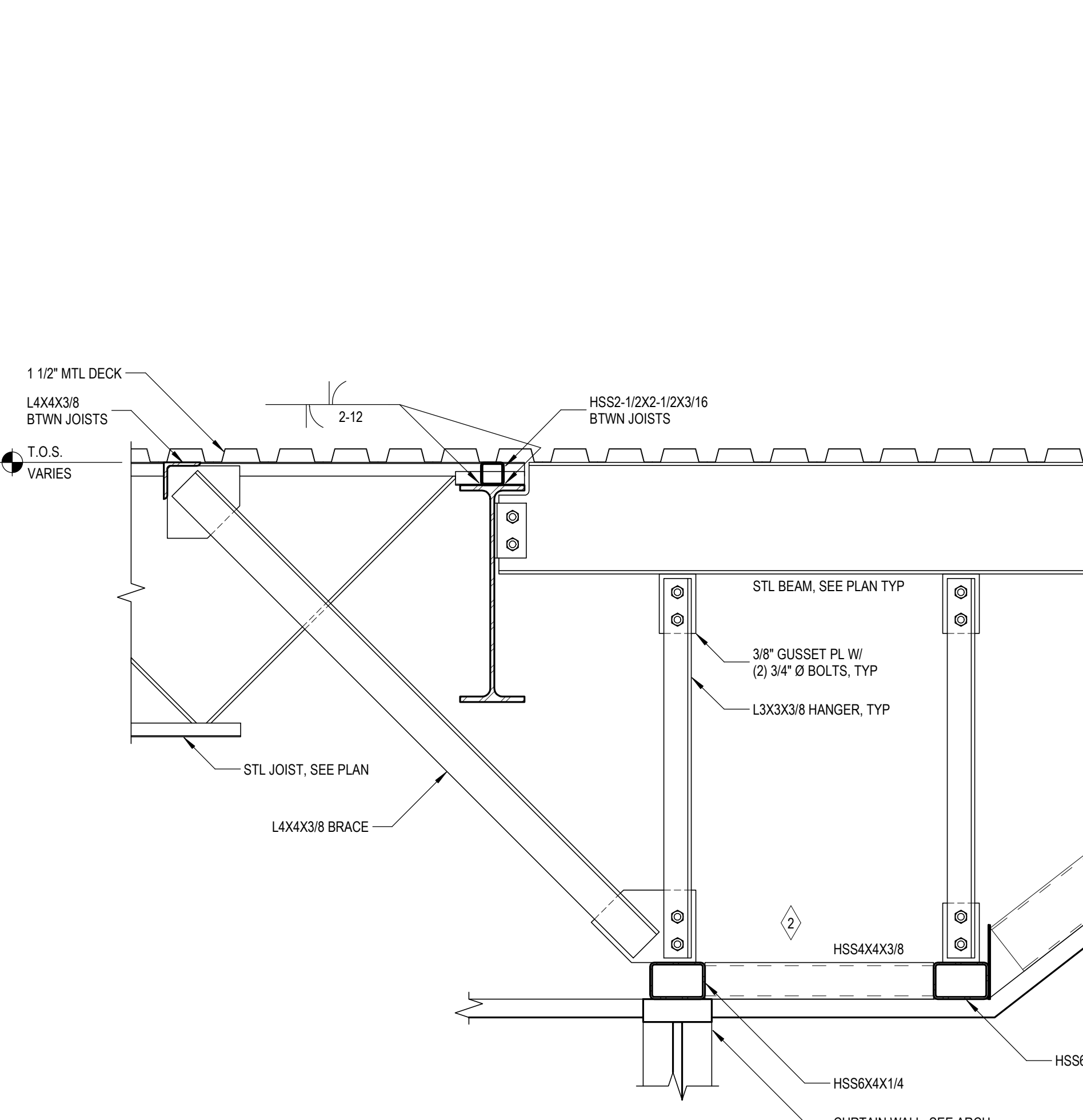
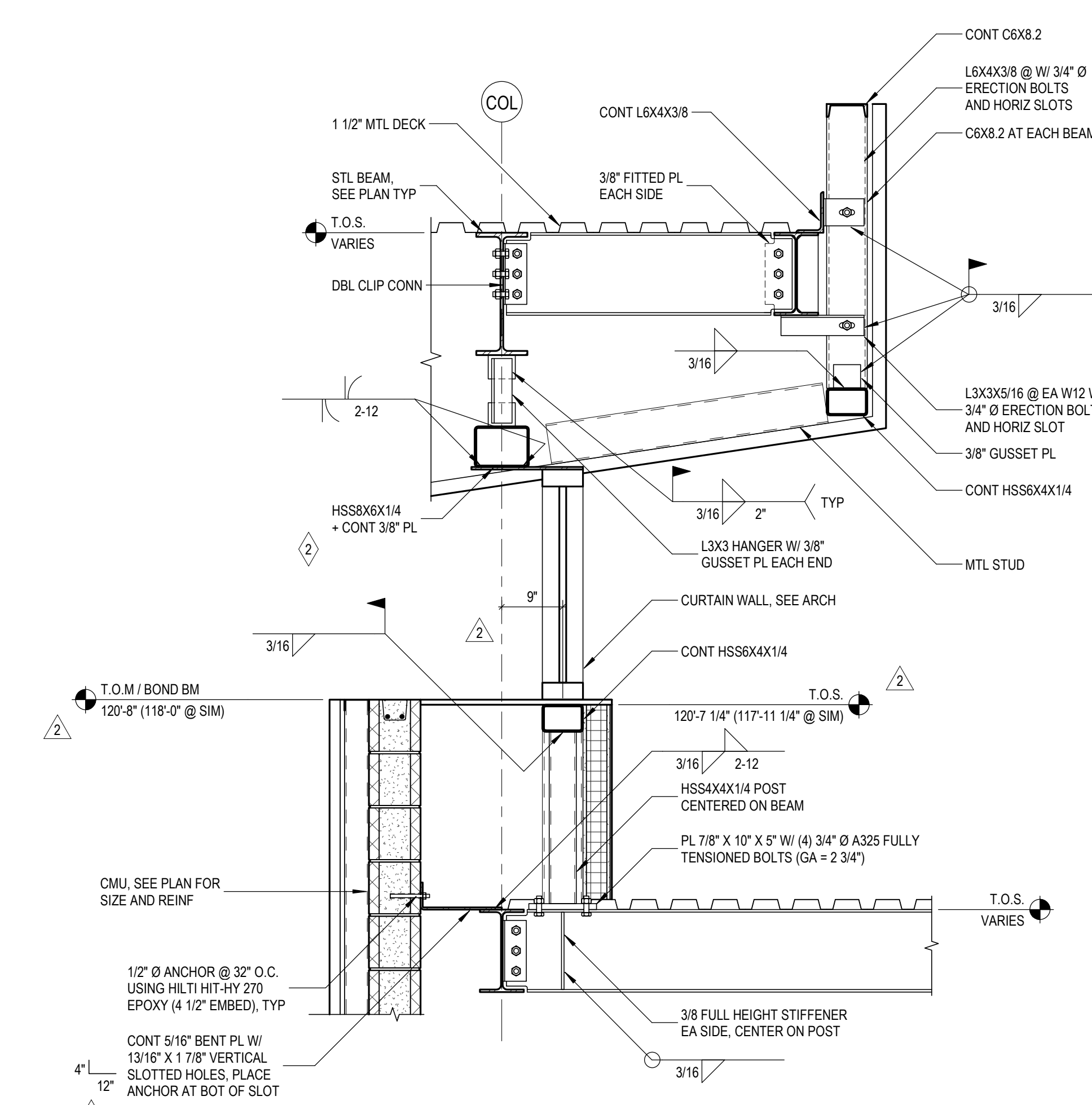
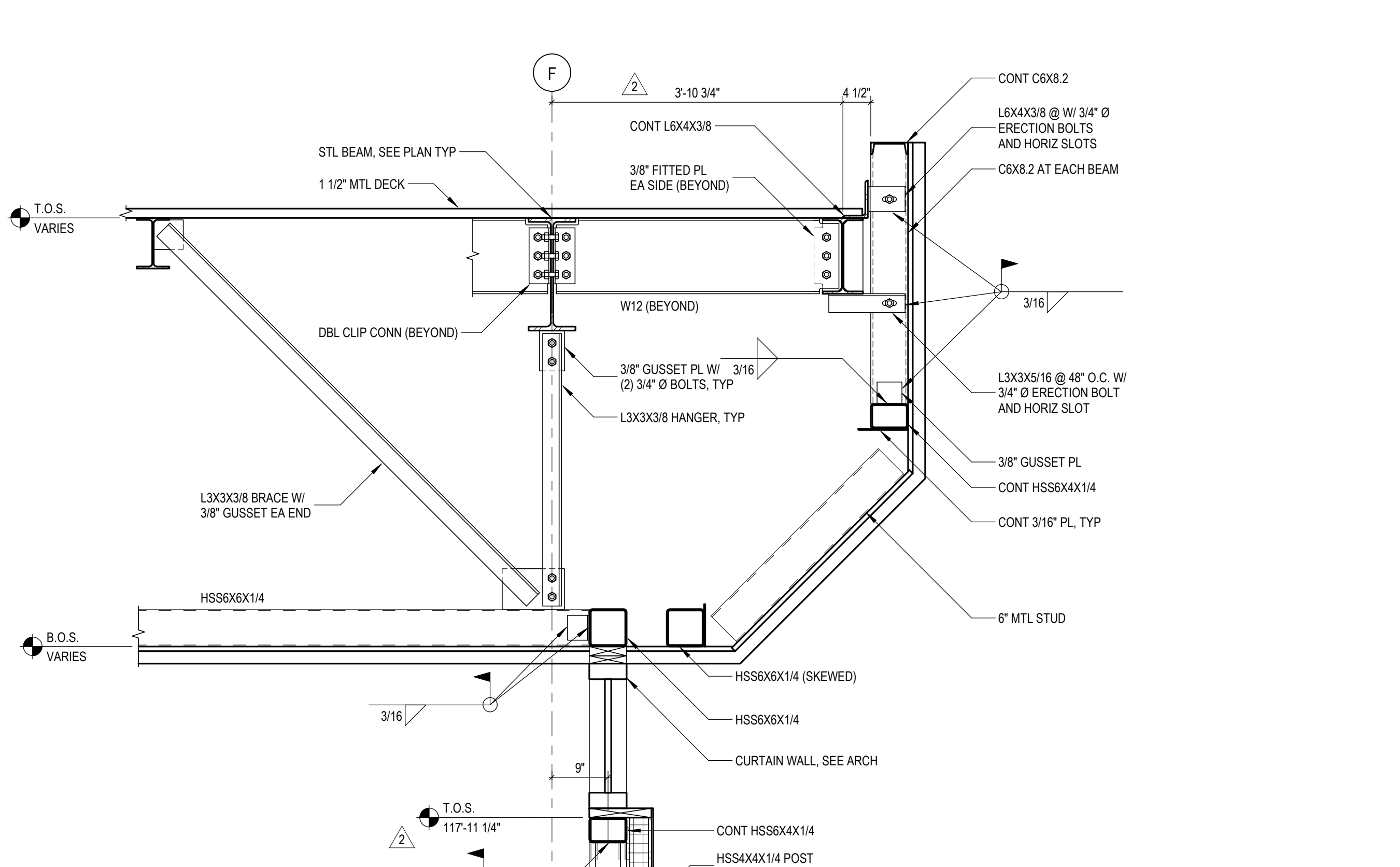
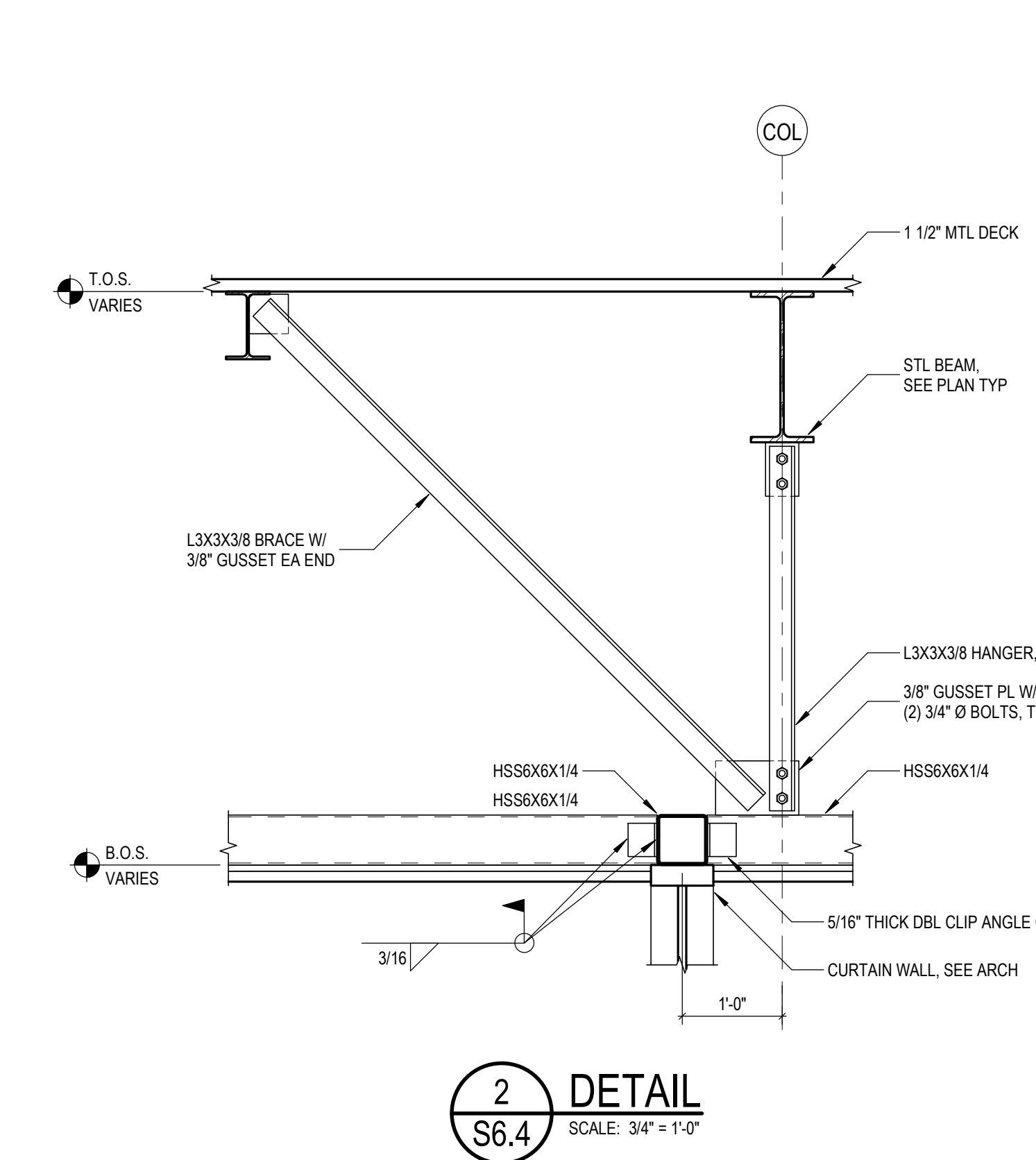
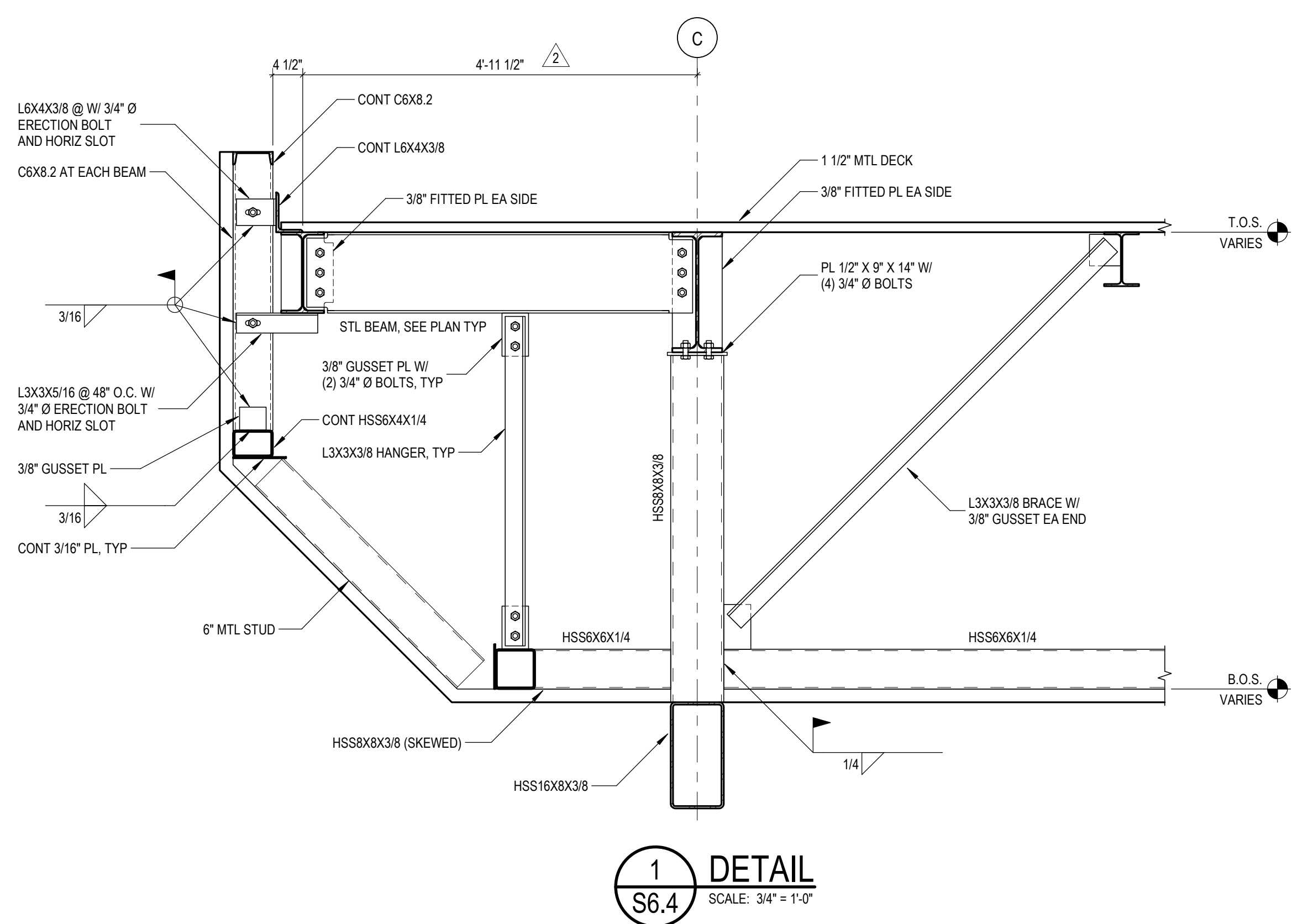


ISSUE DATES

DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS
05-30-2024	BULLETIN NO. 1
02-28-2024	ADDENDUM NO. 2
01-23-2024	CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:  
DRAWN: D. BART  
CHECKED: B. KANNERS  
APPROVED: E. MANNOR

PROJECT NO.  
**22102**  
DRAWING NO.  
**S6.4**



C:\Users\jbaron\Documents\214730065\_New Smith Middle School 22102\_S\_V22\_Baron.rvt  
6/17/2024 10:35:57 AM



TMP ARCHITECTURE INC  
1191 WEST SQUARE LAKE ROAD  
BLOOMFIELD HILLS - MICHIGAN 48302  
PH: 248.338.4561 FX: 248.338.0223  
EM: INFO@TMP-ARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

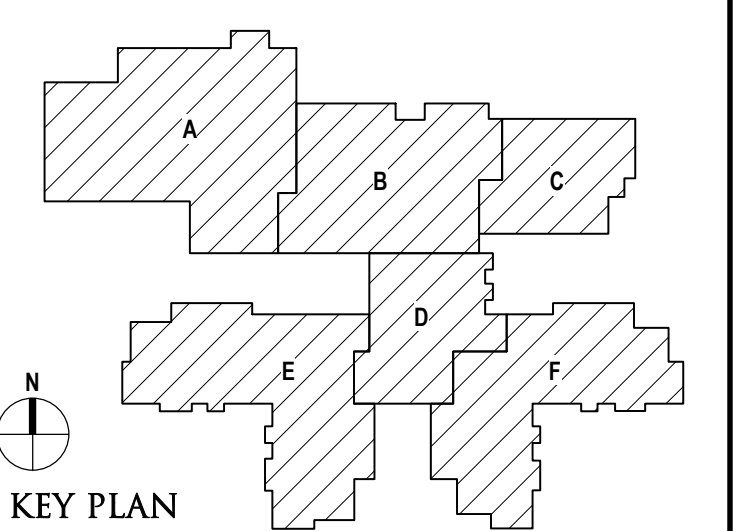


PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE

**Steel Details**



ISSUE DATES

DATE	ISSUED FOR:

DATE: ISSUED FOR:

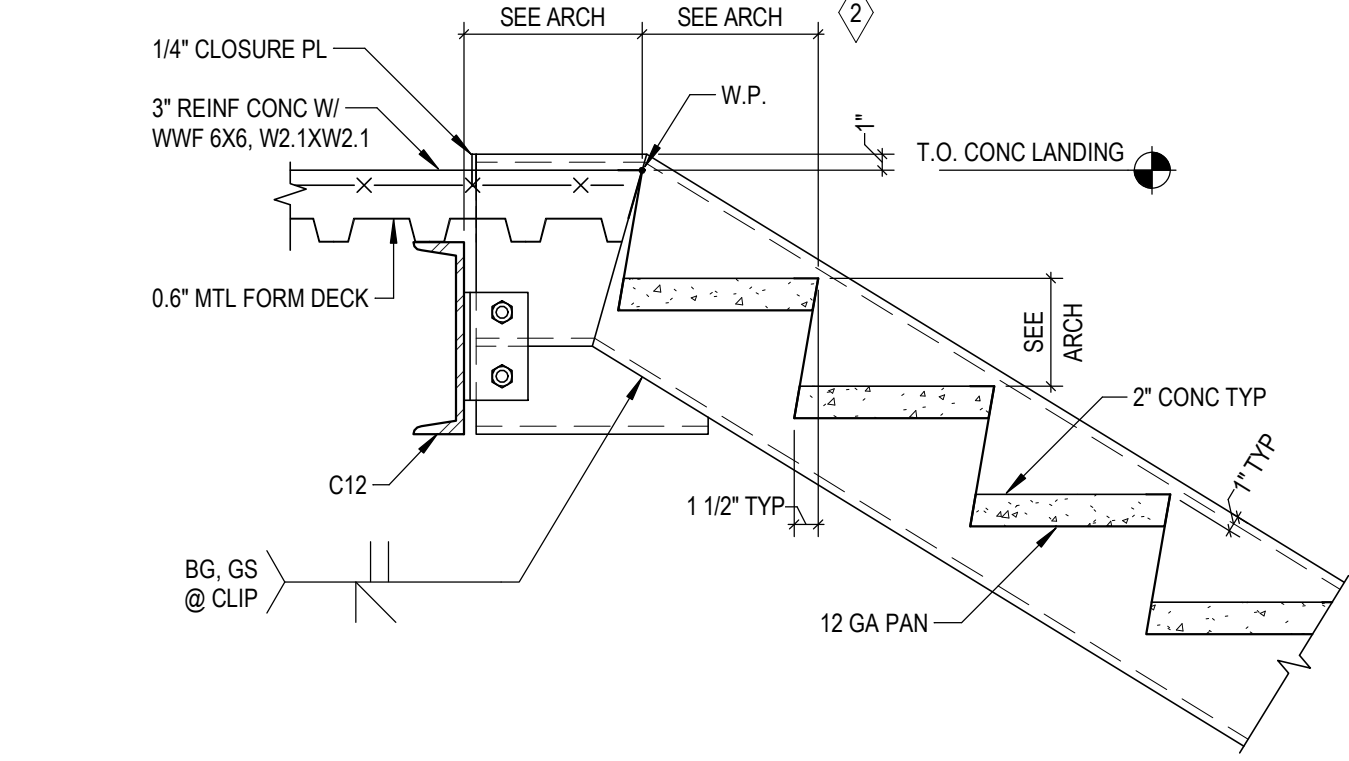
DRAWN	D. BART
CHECKED	B. KANNERS
APPROVED	E. MANNOR

PROJECT NO.

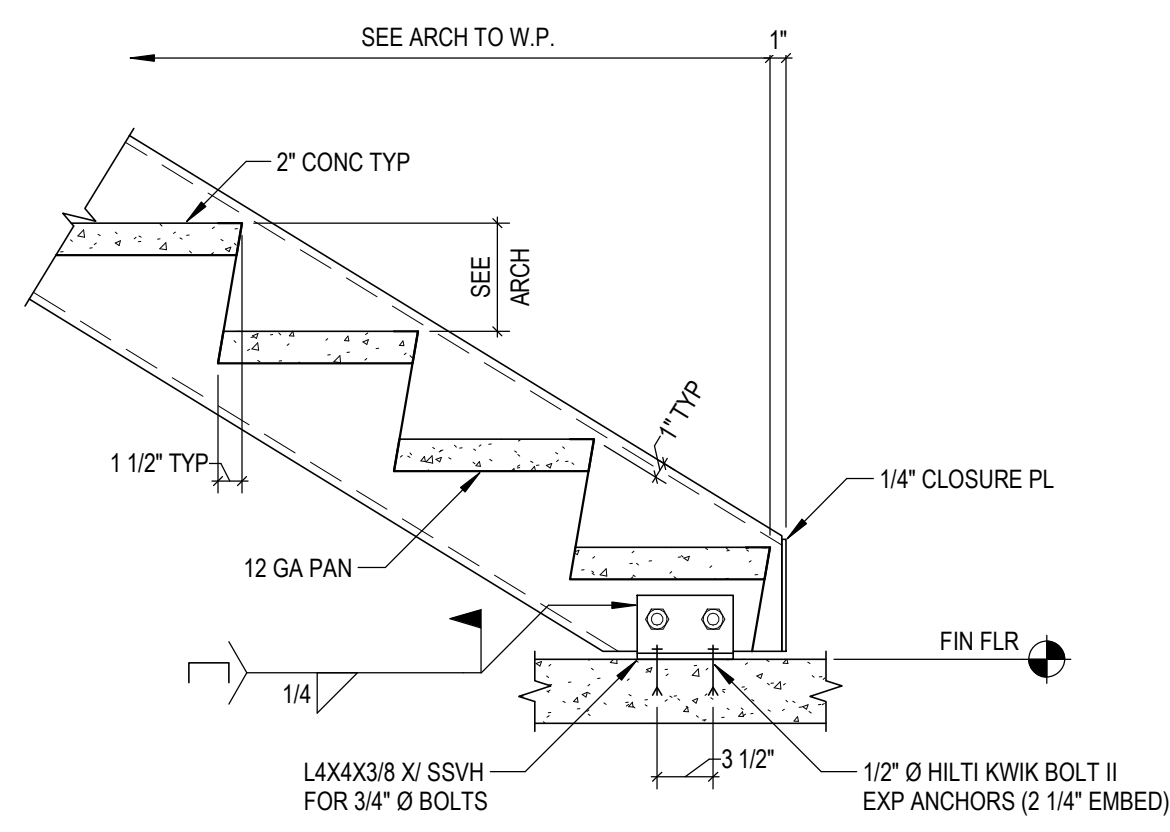
**22102**

DRAWING NO.

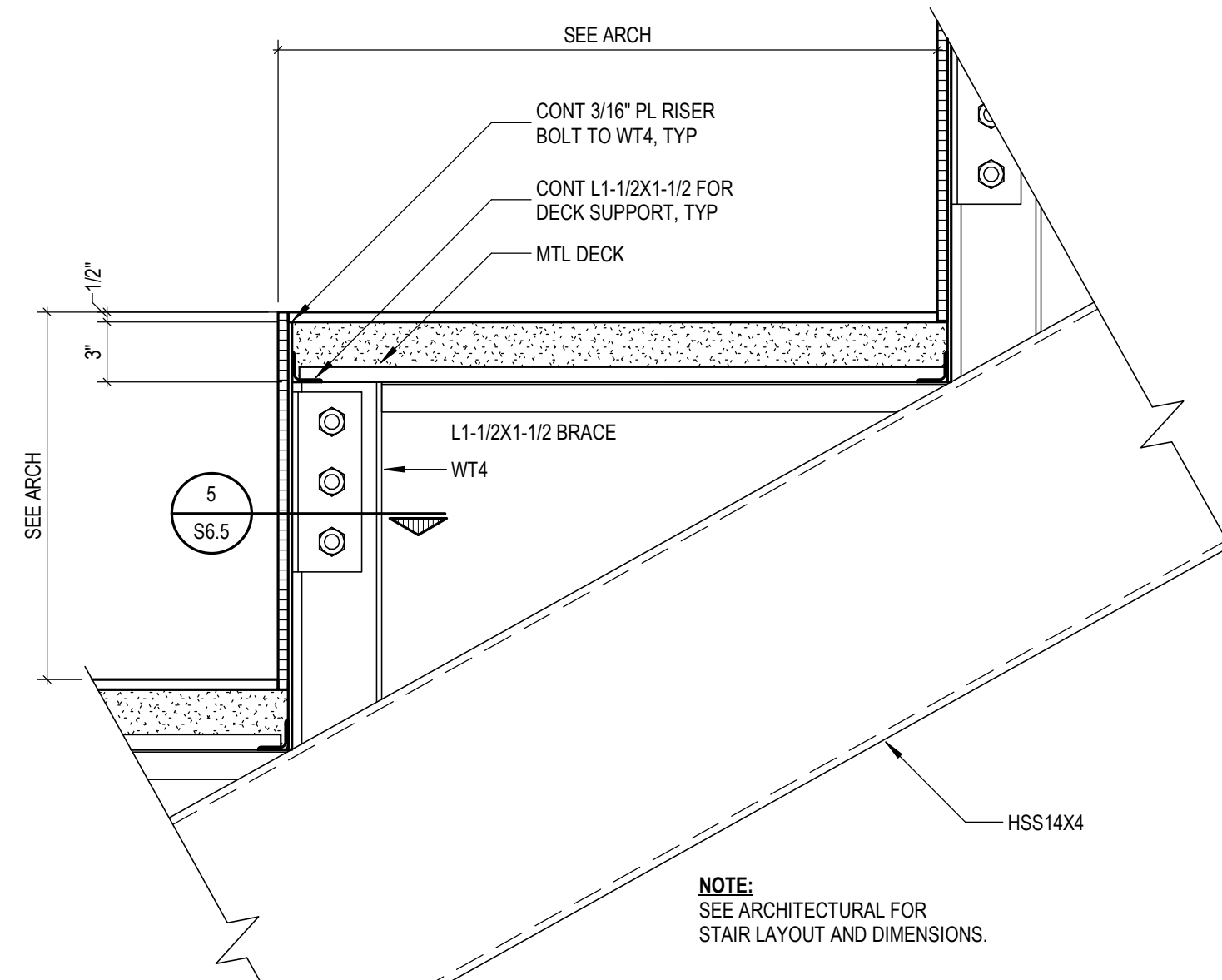
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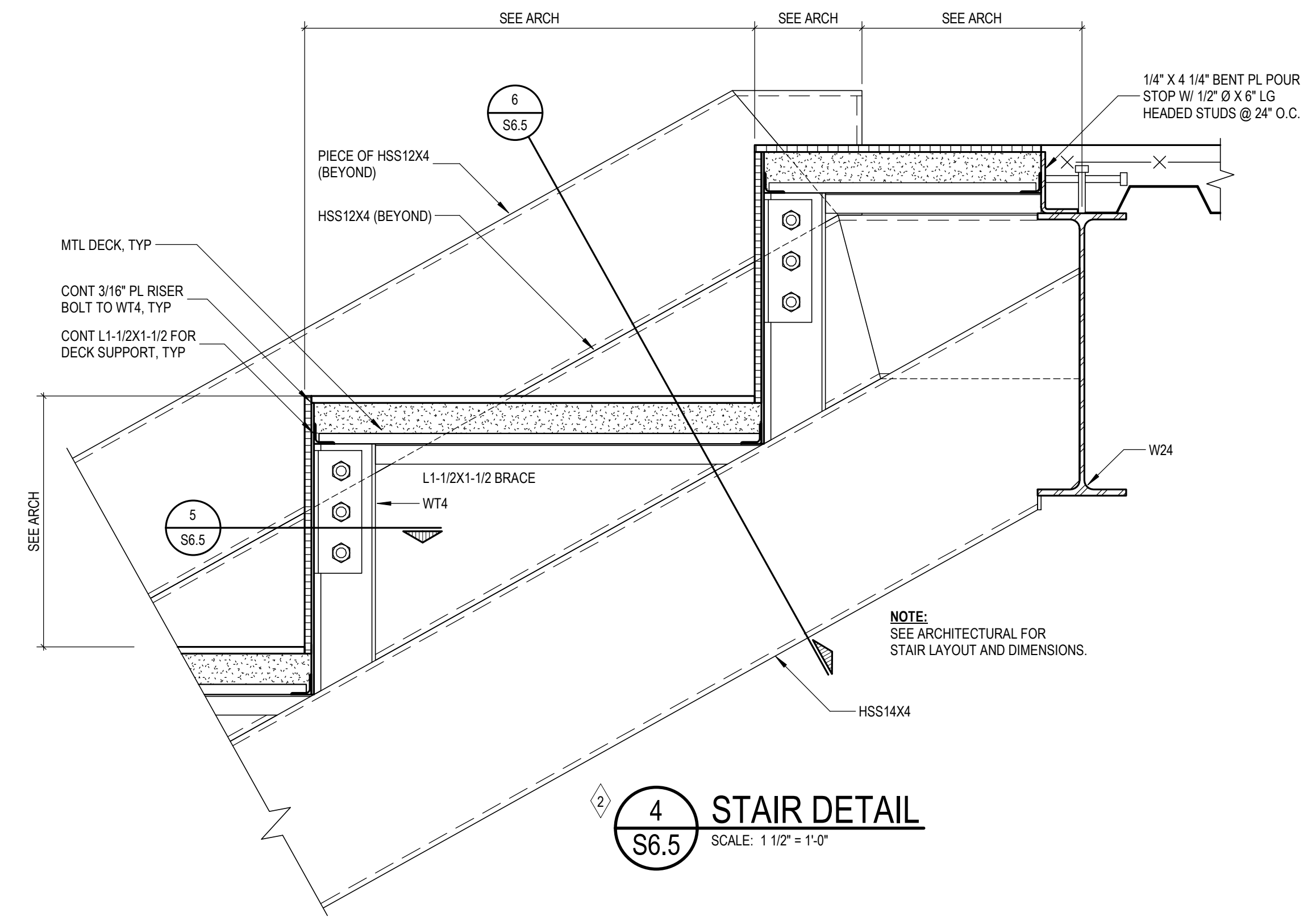
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S6.5 SCALE: 1" = 1'-0"



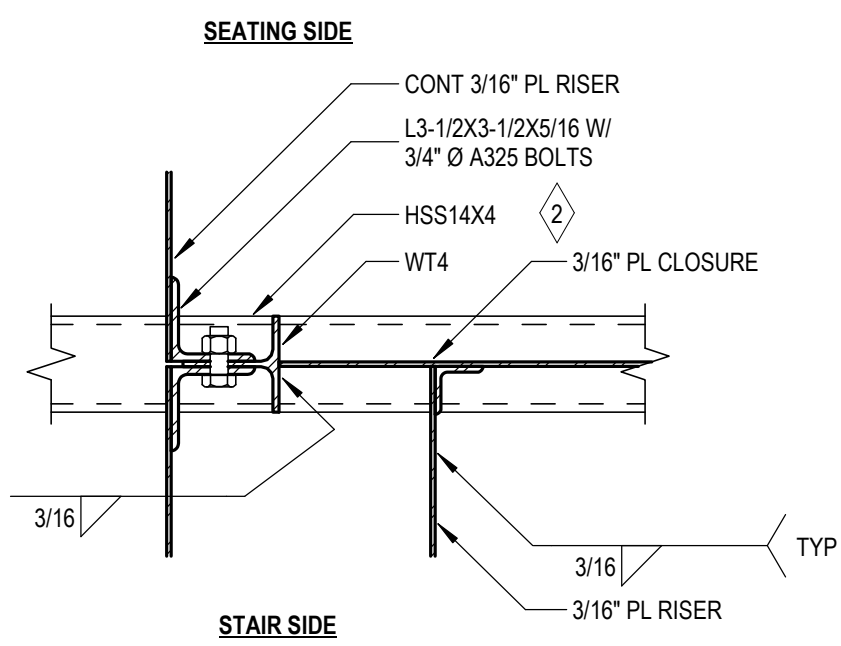
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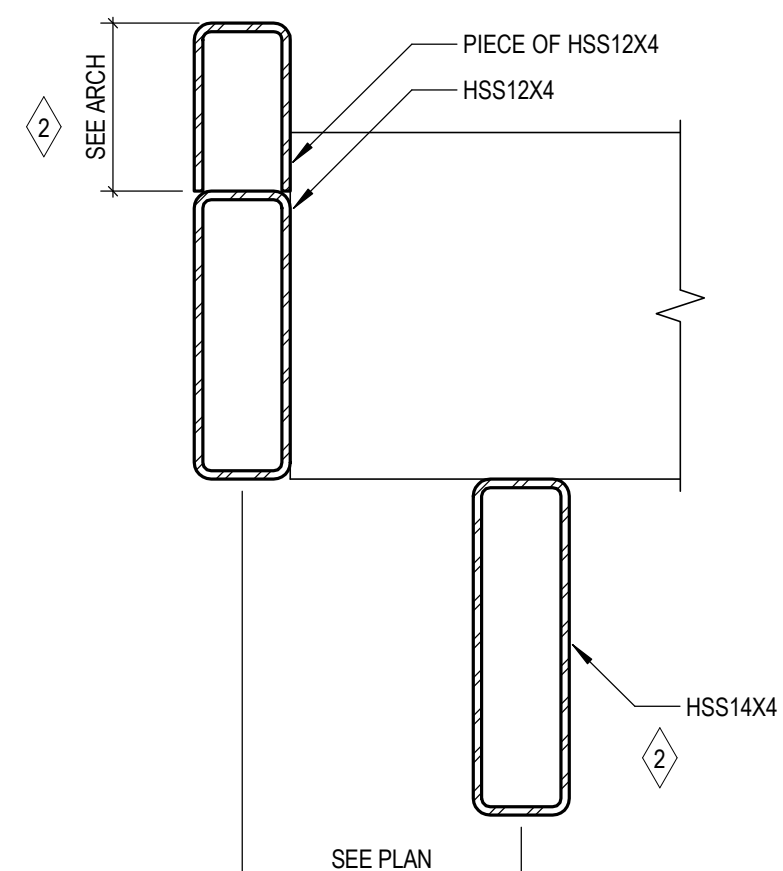
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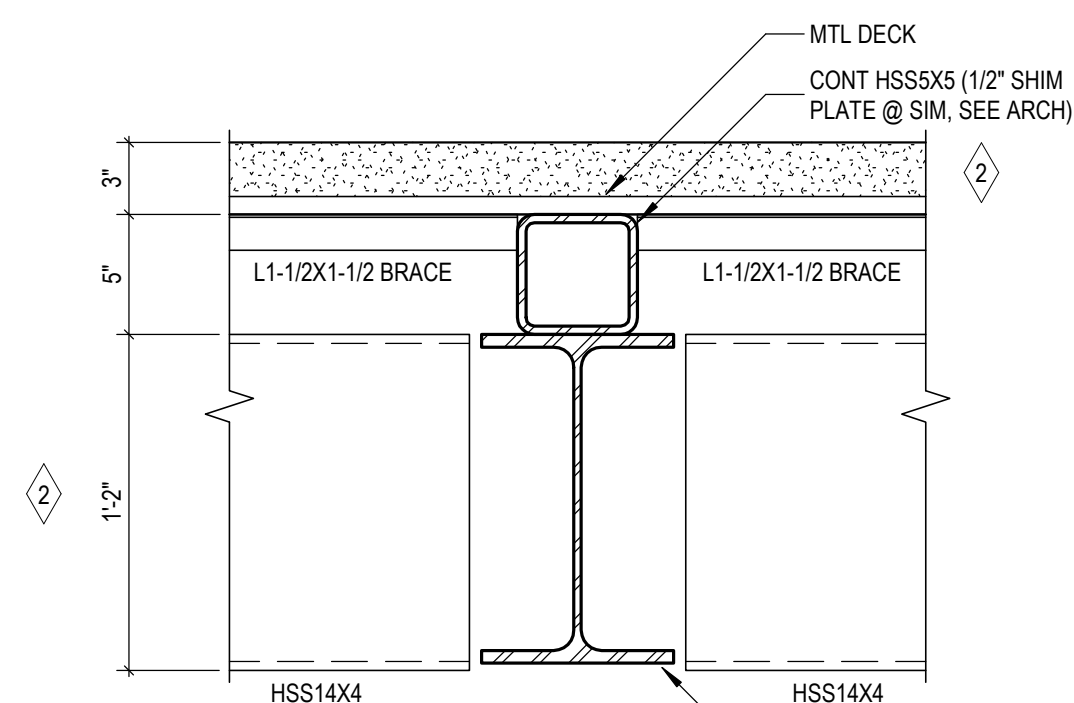
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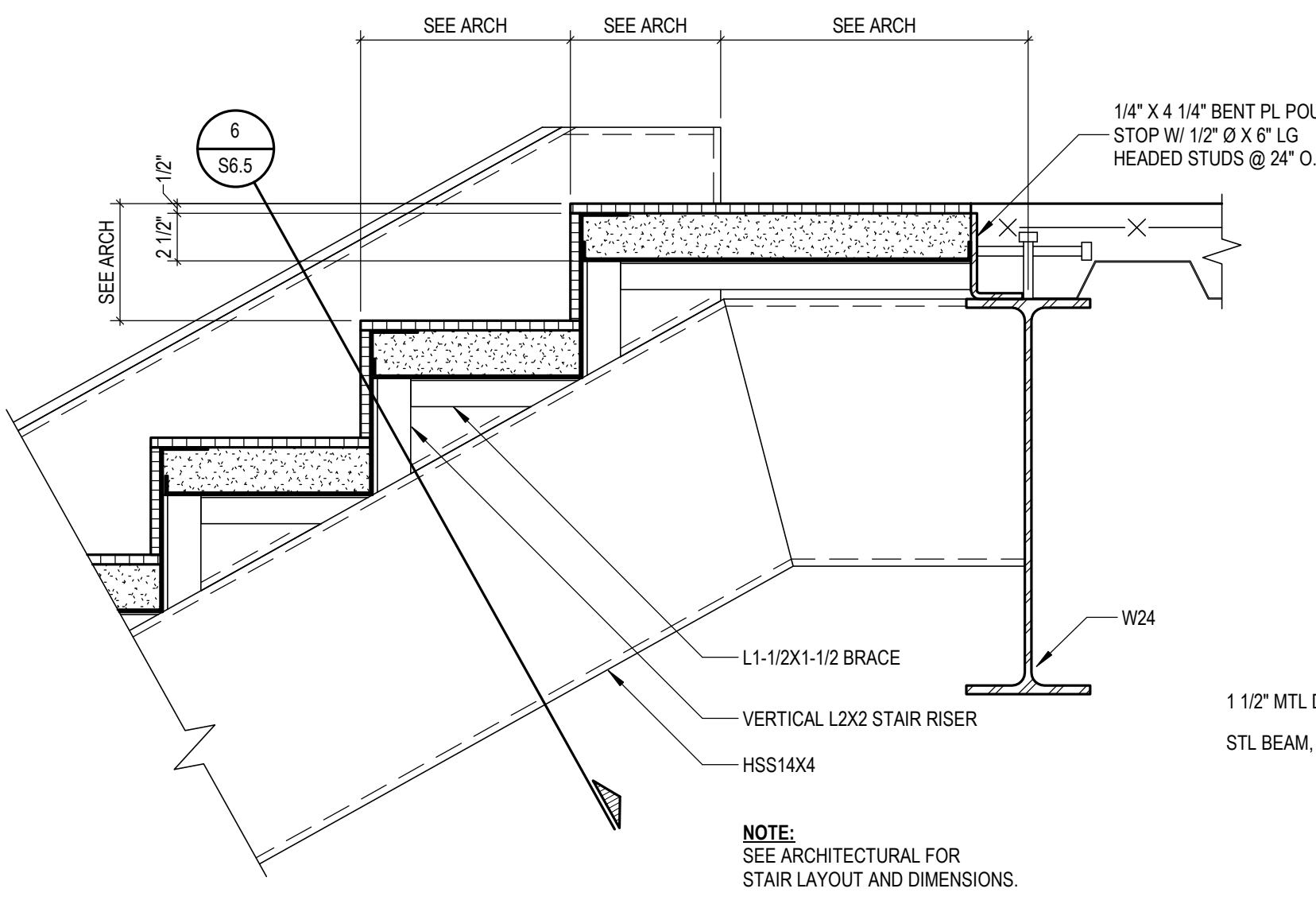
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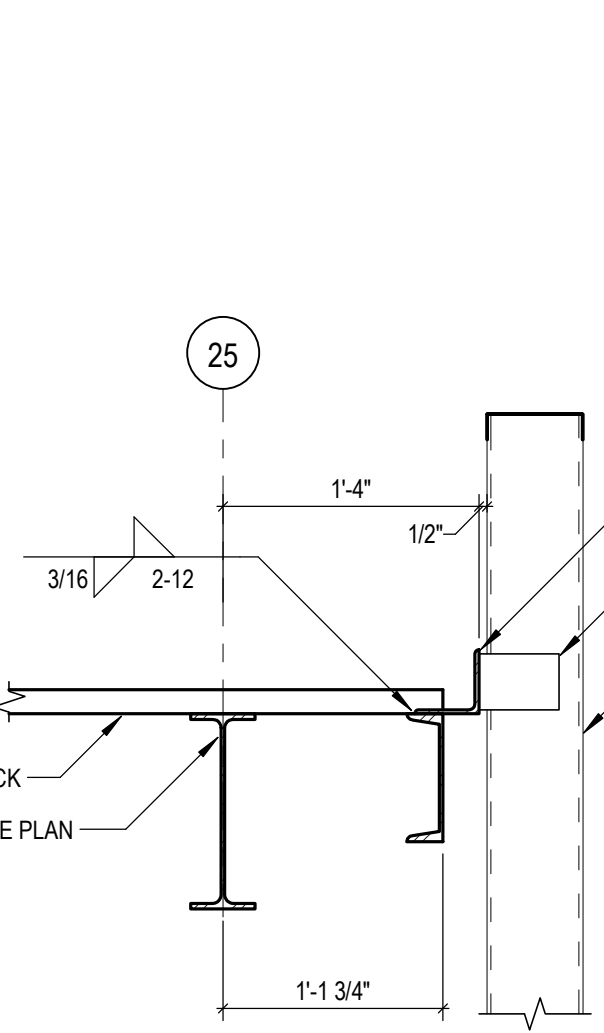
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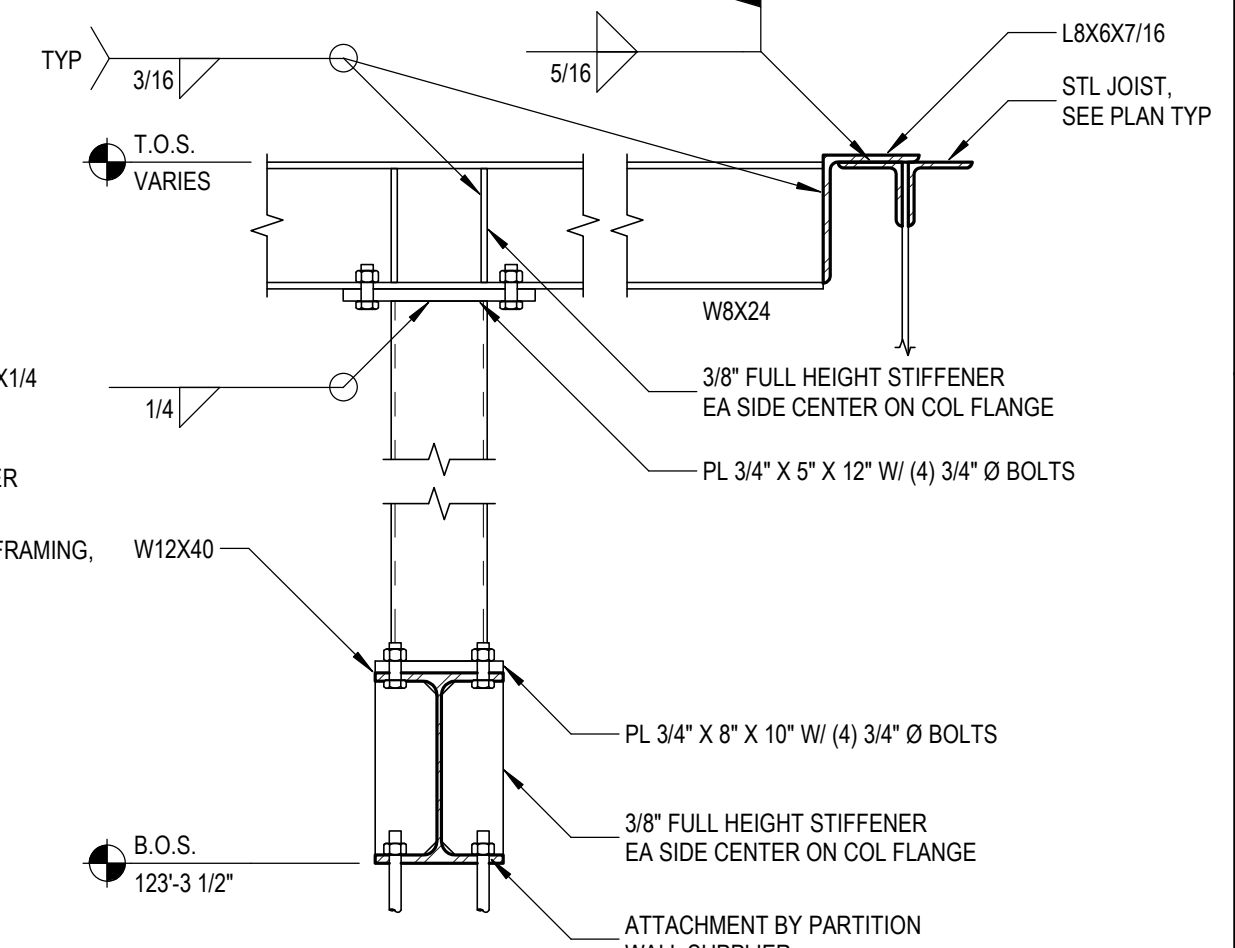
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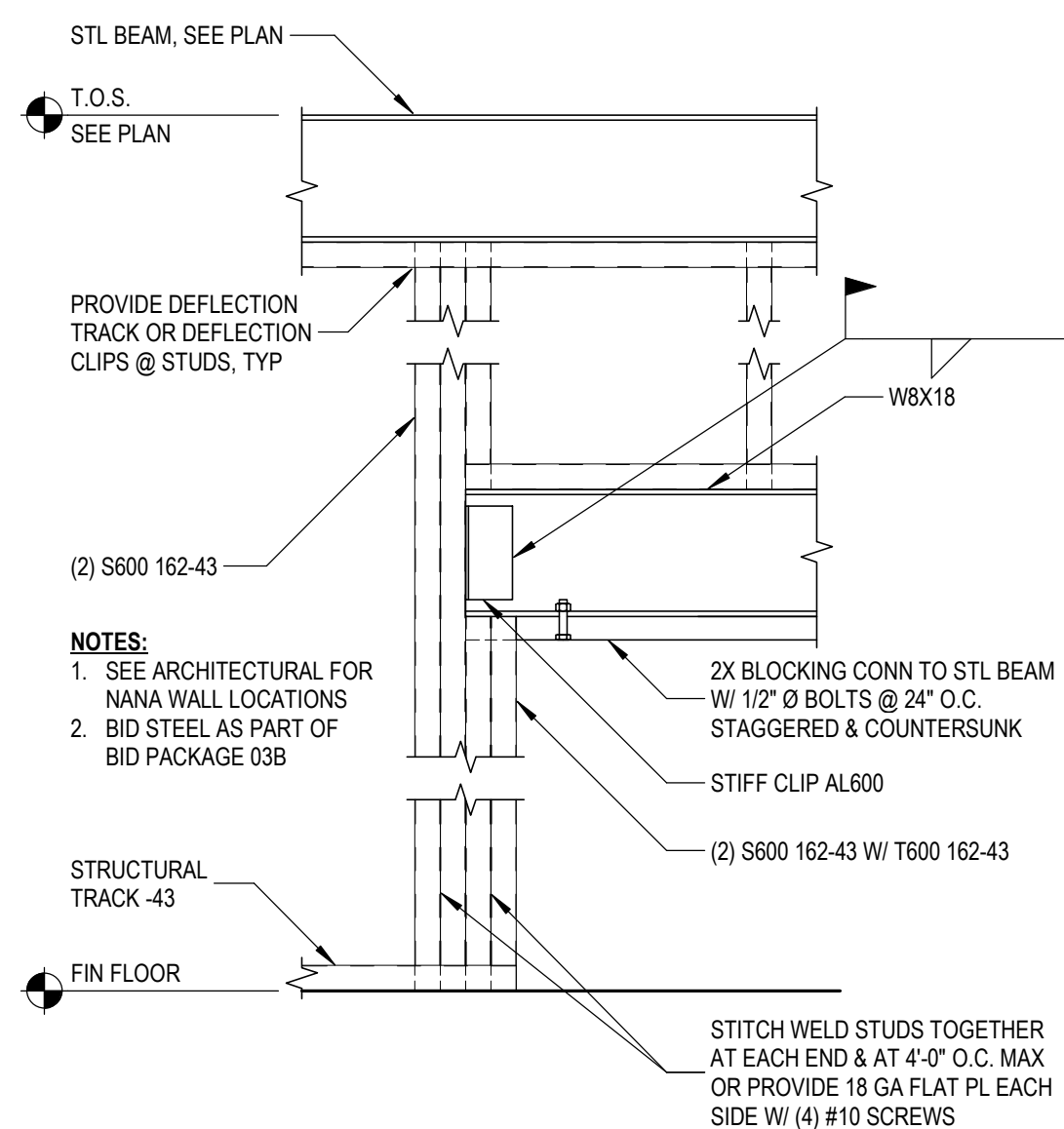
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S6.5 SCALE: 1 1/2" = 1'-0"



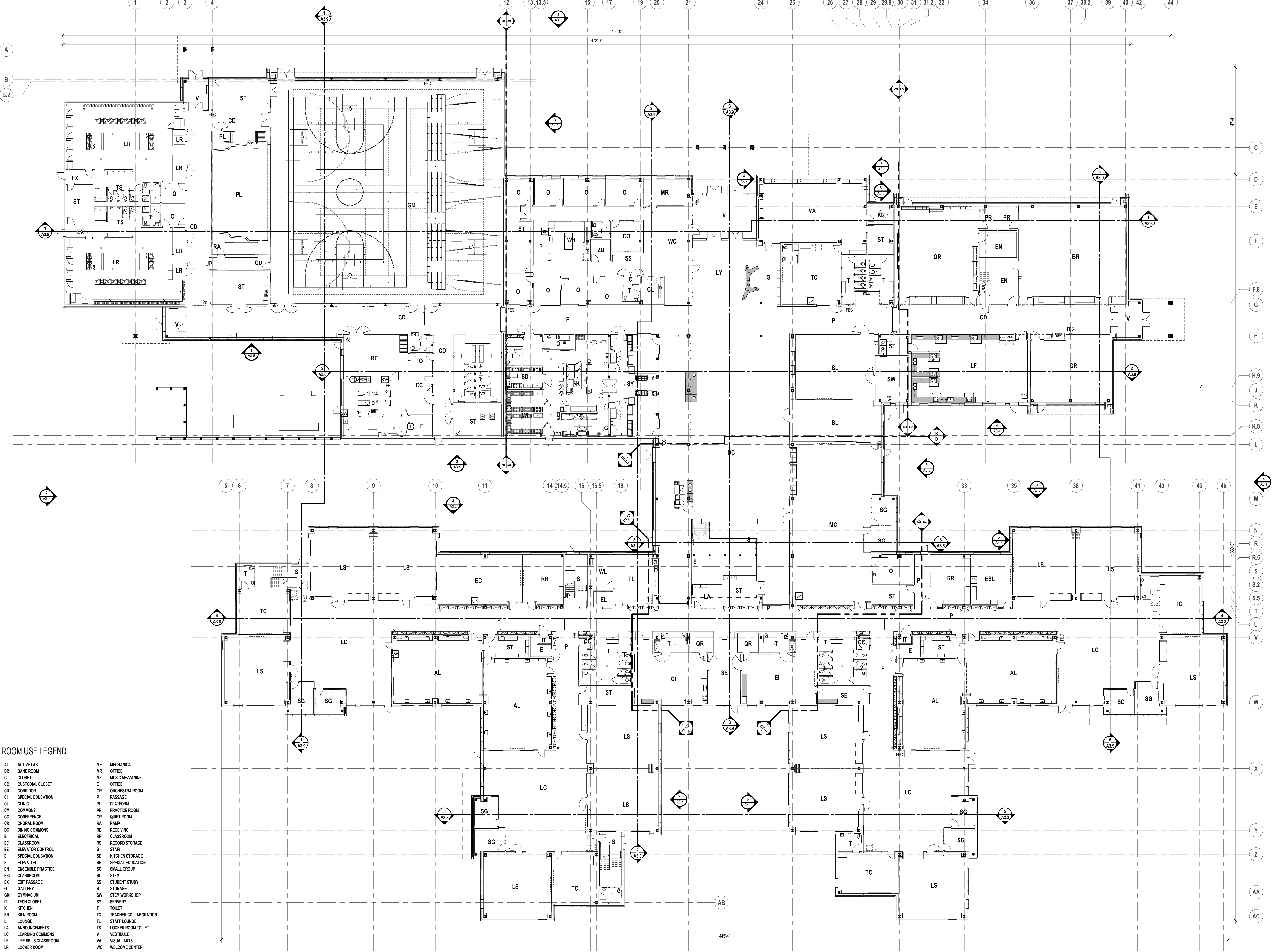
**9 DETAIL**  
S6.5 SCALE: 1" = 1'-0"



**10 DETAIL**  
S6.5 SCALE: 1" = 1'-0"



**11 TYPICAL NANA WALL HEADER**  
S6.5 NOT TO SCALE



**ROOM USE LEGEND**

AL ACTIVE LAB	ME MECHANICAL
BR BAND ROOM	MR OFFICE
C CLOSET	MZ MUSIC MEZZANINE
CC CUSTODIAL CLOSET	O OFFICE
CD CORRIDOR	OR ORCHESTRA ROOM
CI SPECIAL EDUCATION	P PASSAGE
CL CLINIC	PL PLATFORM
CM COMMONS	PR PRACTICE ROOM
CO CONFERENCE	QR QUIET ROOM
CR CHORAL ROOM	RA RAMP
DC DINING COMMONS	RE RECEIVING
E ELECTRICAL	RR CLASSROOM
EC CLASSROOM	RS RECORD STORAGE
EE ELEVATOR CONTROL	S STAIR
EI SPECIAL EDUCATION	SB KITCHEN STORAGE
EL ELEVATOR	SE SPECIAL EDUCATION
EN ENSEMBLE PRACTICE	SG SMALL GROUP
LC CLASSROOM	SL STEM
ESL CLASSROOM	SS STUDENT STUDY
EX EXIT PASSAGE	ST STORAGE
G GALLERY	SW STEM WORKSHOP
GM GYMNASIUM	SY SERVERY
IT TECH CLOSET	T TOILET
K KITCHEN	TC TEACHER COLLABORATION
KR KILN ROOM	TL STAFF LOUNGE
L LOUNGE	TS LOCKER ROOM TOILET
LA ANNOUNCEMENTS	V VESTIBULE
LC LEARNING COMMONS	VA VISUAL ARTS
LF LIFE SKILLS CLASSROOM	WC WELCME CENTER
LR LOCKER ROOM	WI KITCHEN COOL STORAGE
LS LEARNING STUDIO	WL WELLNESS
LY LOBBY	WR STORAGE
MC MEDIA CENTER	ZD ZEN DEN



TMP ARCHITECTURE INC  
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 BLOOMFIELD HILLS, MICHIGAN - 48302  
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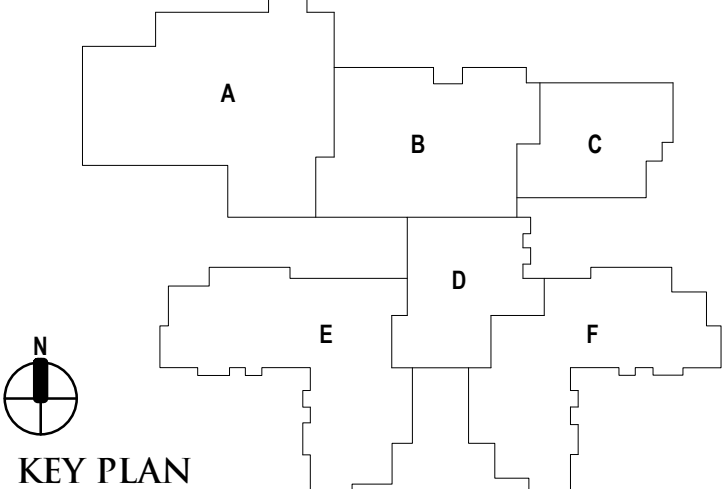
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**First Level Composite Plan**



ISSUE DATES

DATE	ISSUED FOR:

06-18-2024 CONSTRUCTION DOCUMENTS

DRAWN do  
 CHECKED jw  
 APPROVED dt

PROJECT NO.

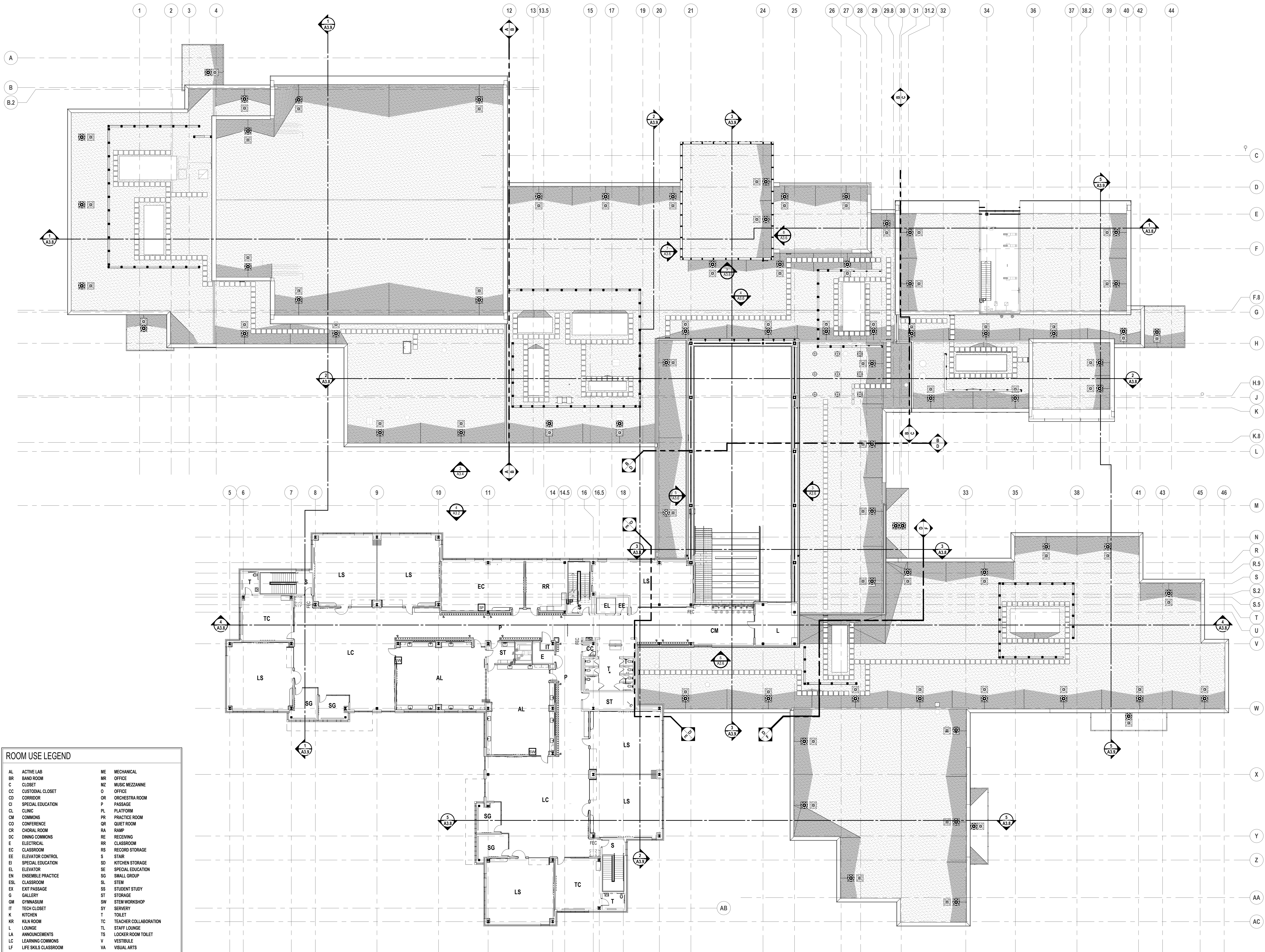
**22102**

DRAWING NO.

**AC.1**

FIRST LEVEL COMPOSITE PLAN  
 SCALE: 1/16" = 1'-0"

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ROOM USE LEGEND	
AL	ACTIVE LAB
BR	BAND ROOM
C	CLOSET
CC	CUSTODIAL CLOSET
CD	CORRIDOR
CE	SPECIAL EDUCATION
CL	CLINIC
CM	COMMONS
CO	CONFERENCE
CR	CHORAL ROOM
DC	DINING COMMONS
E	ELECTRICAL
EC	CLASSROOM
EE	ELEVATOR CONTROL
EI	SPECIAL EDUCATION
EL	ELEVATOR
EN	ENSEMBLE PRACTICE
ESL	CLASSROOM
EX	EXIT PASSAGE
G	GALLERY
GM	GYMNASIUM
IT	TECH CLOSET
K	KITCHEN
KR	KILN ROOM
L	LOUNGE
LA	ANNOUNCEMENTS
LC	LEARNING COMMONS
LF	LIFE SKILLS CLASSROOM
LR	LOCKER ROOM
LS	LEARNING STUDIO
LY	LOBBY
MC	MEDIA CENTER
ME	MECHANICAL
MR	OFFICE
MZ	MUSIC MEZZANINE
O	OFFICE
OR	ORCHESTRA ROOM
P	PASSAGE
PL	PLATFORM
PR	PRACTICE ROOM
QR	QUIET ROOM
RA	RAMP
RE	RECEIVING
RR	CLASSROOM
RS	RECORD STORAGE
S	STAIR
SD	KITCHEN STORAGE
SE	SPECIAL EDUCATION
SG	SMALL GROUP
SL	STEM
SS	STUDENT STUDY
ST	STORAGE
SW	STEM WORKSHOP
SX	SERVERY
T	TOILET
TC	TEACHER COLLABORATION
TL	STAFF LOUNGE
TS	LOCKER ROOM TOILET
V	VESTIBULE
VA	VISUAL ARTS
WC	WELCOME CENTER
WI	KITCHEN COOL STORAGE
WL	WELLNESS
WR	STORAGE
ZD	ZEN DEN

**SECOND LEVEL COMPOSITE FLOOR PLAN**  
 SCALE: 1/16" = 1'-0"



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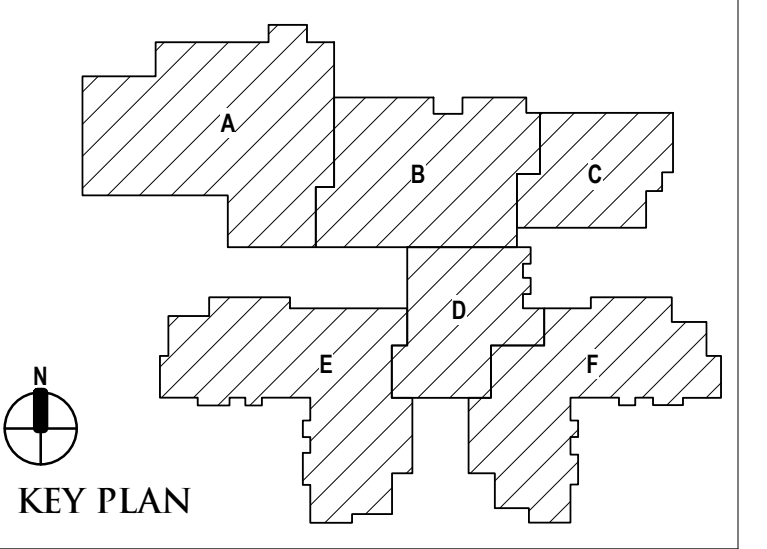
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Second Level Composite Plan**



ISSUE DATES

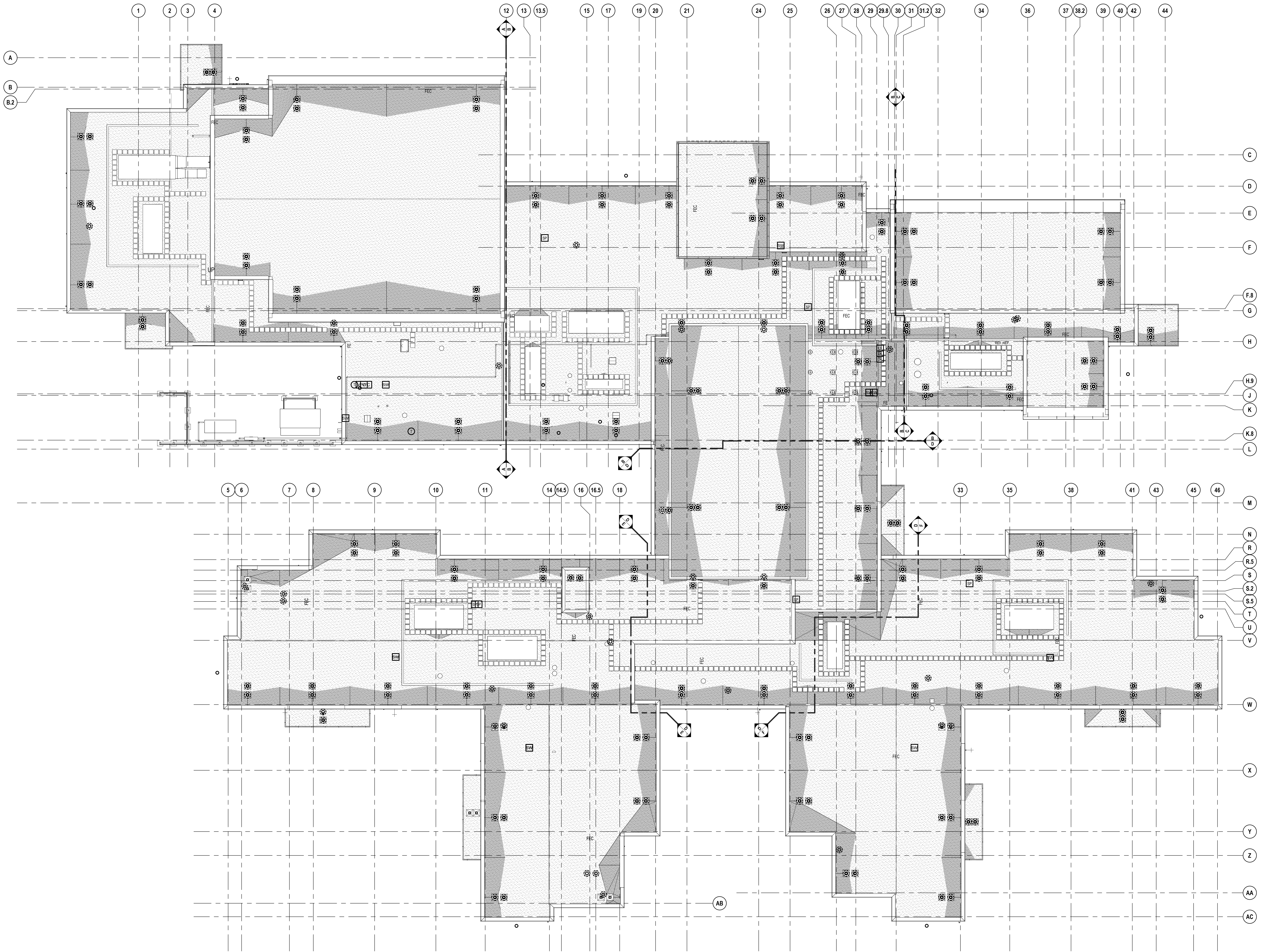
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PROJECT NO.  
**22102**  
 DRAWING NO.  
**AC.2**

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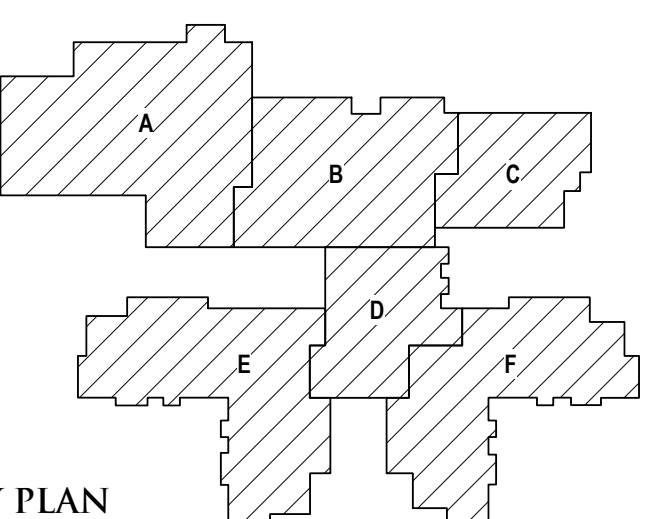
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Composite Roof Plan**



KEY PLAN

ISSUE DATES


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**22102**

DRAWING NO.  
**AC.3**

ROOF LEVEL COMPOSITE PLAN  
 SCALE: 1/16" = 1'-0"

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T.M.P. ARCHITECTURE INC  
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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Door & Frame Schedule and  
Elevations**

KEY PLAN

ISSUE DATES

06-18-2024 CONSTRUCTION DOCUMENTS  
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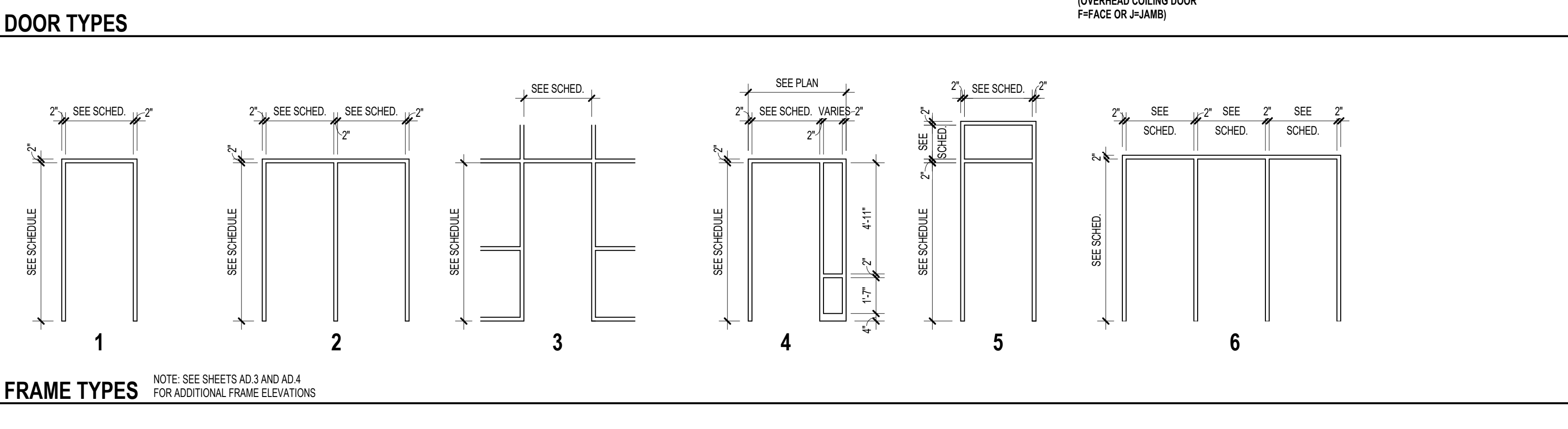
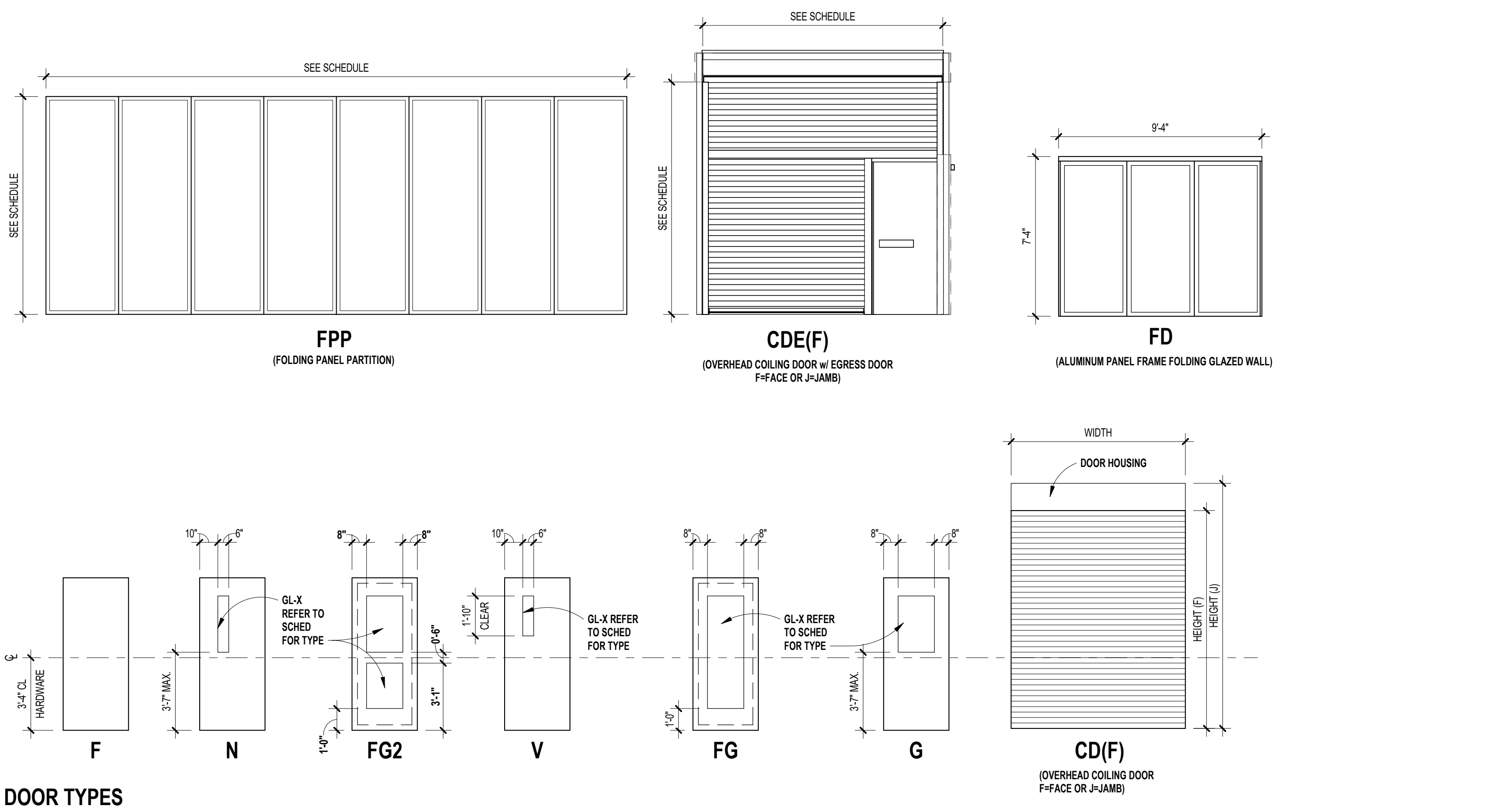
APPROVED dt

PROJECT NO.  
**22102**

DRAWING NO.  
**AD.2**

DOOR & FRAME SCHEDULE table with columns: Opening, Door, Frame, Details, Threshold, U.L. Label, Holve, Set, Remarks. Includes rows for second level zones and ground level zones.

DOOR & FRAME SCHEDULE table with columns: Opening, Door, Frame, Details, Threshold, U.L. Label, Holve, Set, Remarks. Includes rows for zone F.



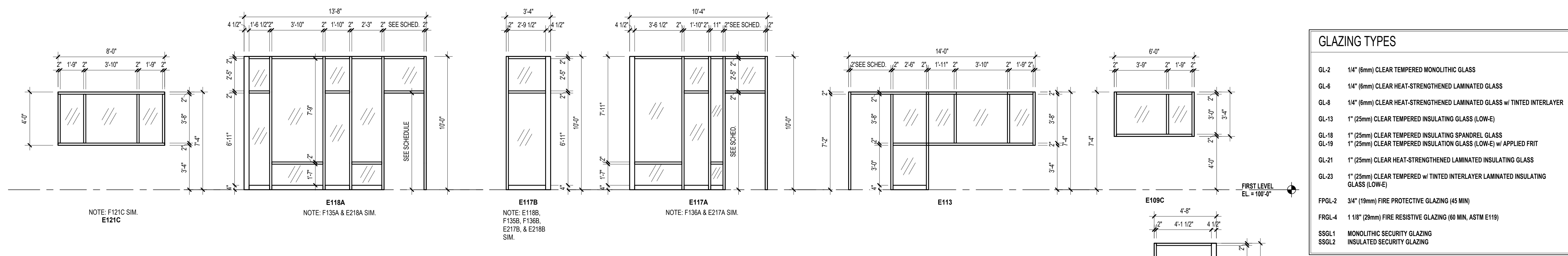
DOOR SCHEDULE ABBREVIATIONS AND NOTES  
(REFER TO SPECIFICATIONS FOR ADDITIONAL DOOR INFORMATION)

Table with two columns: DOOR SCHEDULE ABBREVIATIONS (AL, ALGL, FRFP, etc.) and DOOR SCHEDULE GENERAL NOTES (1. GALVANIZED METAL TO BE PROVIDED FOR HOLLOW METAL DOOR AND/OR FRAME AT EXTERIOR LOCATIONS, 2. DOORS ARE 1-3/4" THICKNESS UNLESS OTHERWISE NOTED, etc.).

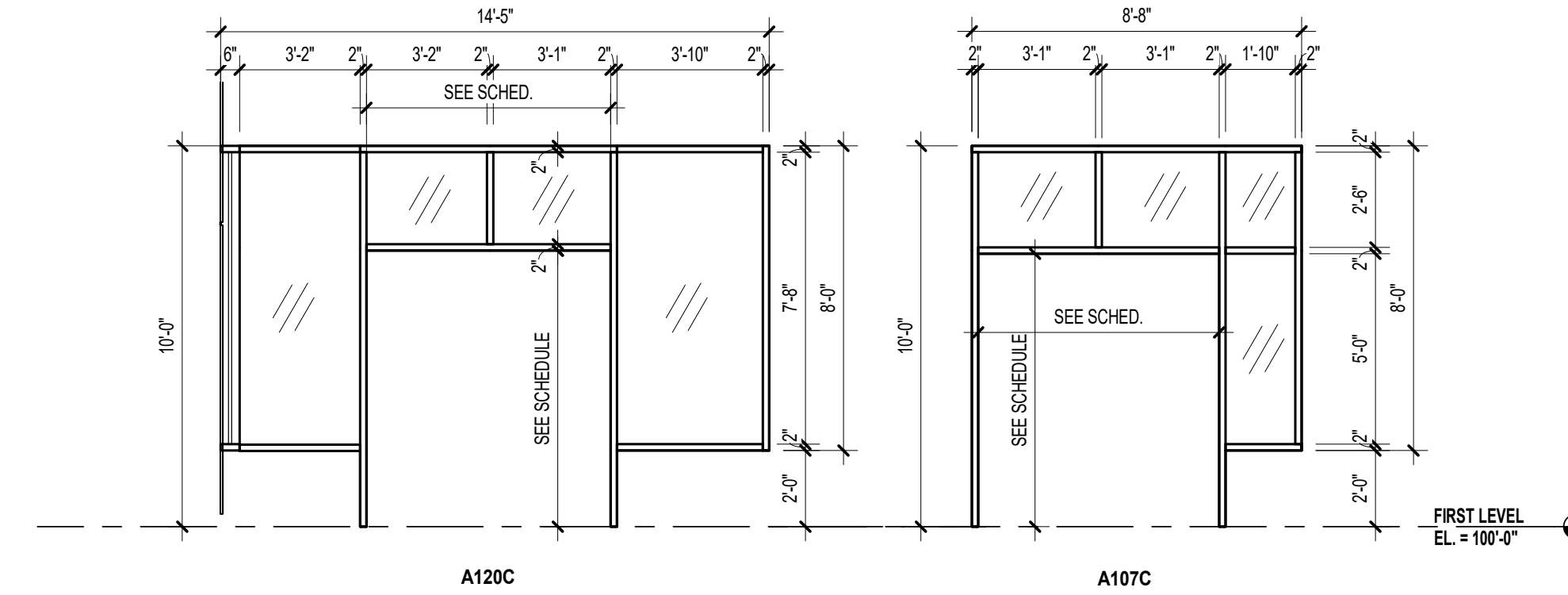
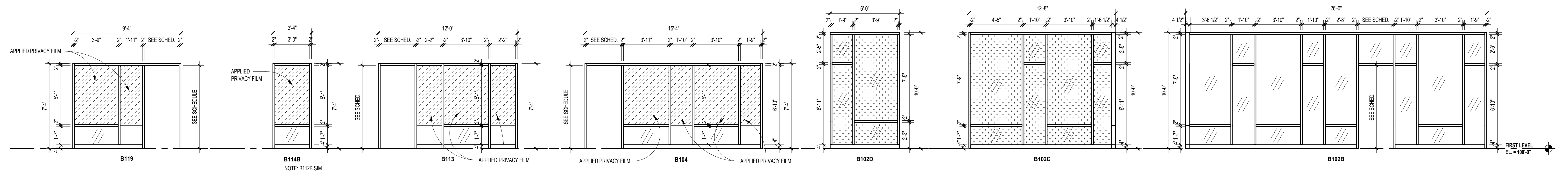
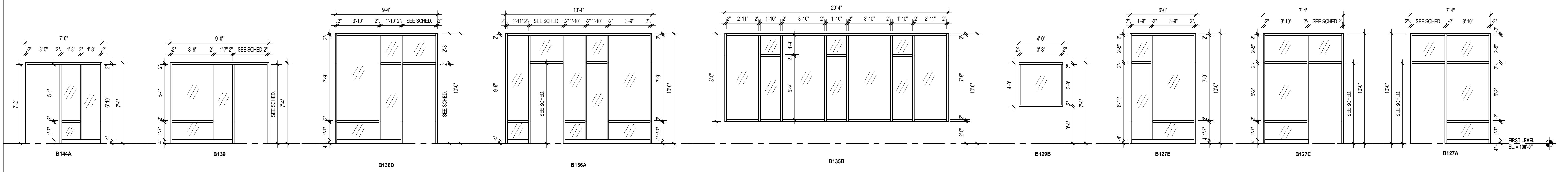
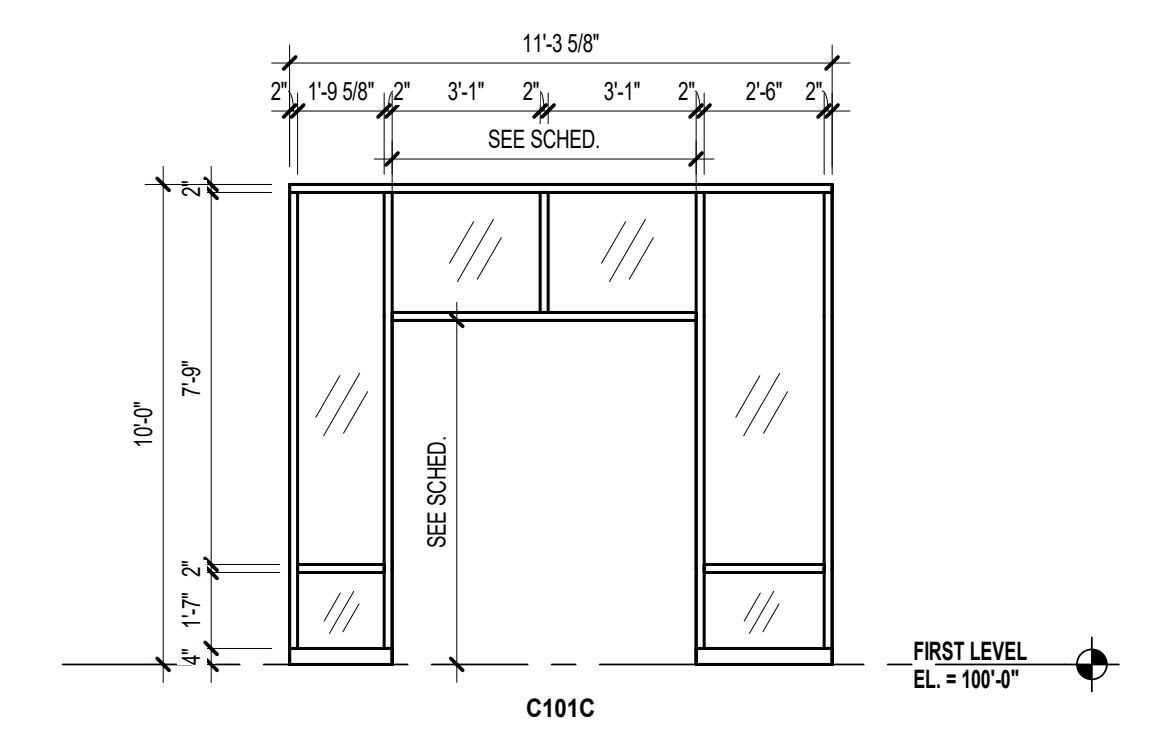
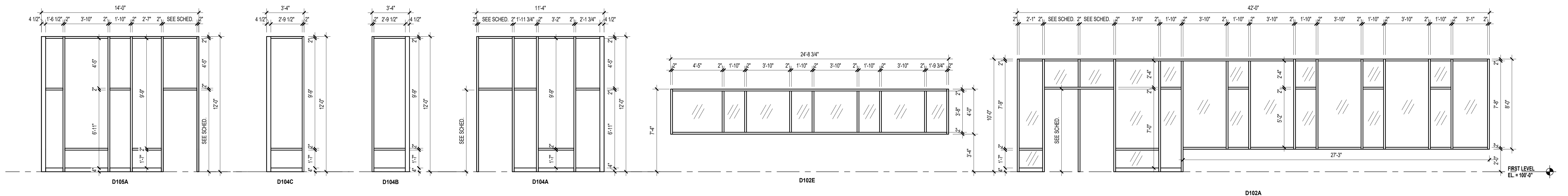
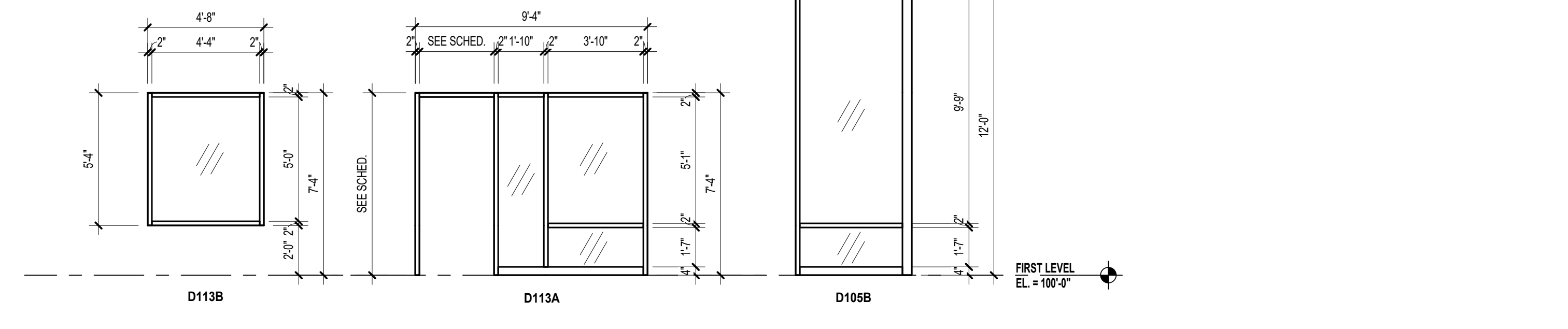
GLAZING TYPES

Table listing glazing types: GL-2 (1/4" CLEAR TEMPERED MONOLITHIC GLASS), GL-4 (1/4" CLEAR HEAT-STRENGTHENED LAMINATED GLASS), GL-8 (1/4" CLEAR HEAT-STRENGTHENED LAMINATED GLASS w/ TINTED INTER-LAYER), GL-13 (1/2" (25mm) CLEAR TEMPERED INSULATING GLASS (LOW-E)), GL-18 (1/2" (25mm) CLEAR TEMPERED INSULATING SPANDREL GLASS), GL-19 (1/2" (25mm) CLEAR TEMPERED INSULATING GLASS (LOW-E) APPLIED FRIT), GL-21 (1/2" (25mm) CLEAR HEAT-STRENGTHENED LAMINATED INSULATING GLASS), GL-23 (1/2" (25mm) CLEAR TEMPERED w/ TINTED INTER-LAYER LAMINATED INSULATING GLASS (LOW-E)), FPG-2 (3/4" (19mm) FRT PROTECTIVE GLAZING (45 MIN)), FRGL-4 (1 1/8" (29mm) FRT RESISTIVE GLAZING (60 MIN, ASTM E119)), SSG-1 (MONOLITHIC SECURITY GLAZING), SSG-2 (INSULATED SECURITY GLAZING).

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GLAZING TYPES	
GL-2	1/4" (6mm) CLEAR TEMPERED MONOLITHIC GLASS
GL-4	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS
GL-8	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS w/ TINTED INTERLAYER
GL-13	1" (25mm) CLEAR TEMPERED INSULATING GLASS (LOW-E)
GL-18	1" (25mm) CLEAR TEMPERED INSULATING SPANDREL GLASS
GL-19	1" (25mm) CLEAR TEMPERED INSULATION GLASS (LOW-E) w/ APPLIED FRIT
GL-21	1" (25mm) CLEAR HEAT-STRENGTHENED LAMINATED INSULATING GLASS
GL-23	1" (25mm) CLEAR TEMPERED w/ TINTED INTERLAYER LAMINATED INSULATING GLASS (LOW-E)
FPGL-2	3/4" (19mm) FIRE PROTECTIVE GLAZING (45 MIN)
FRGL-4	1 1/8" (29mm) FIRE RESISTIVE GLAZING (60 MIN, ASTM E119)
SSGL1	MONOLITHIC SECURITY GLAZING
SSGL2	INSULATED SECURITY GLAZING



TMP ARCHITECTURE INC  
1191 WEST SQUARE LAKE ROAD  
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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Frame Elevations**

ISSUE DATES

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PROJECT NO.  
**22102**  
DRAWING NO.  
**AD.3**



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 1191 WEST SQUARE LAKE ROAD  
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GLAZING TYPES	
GL-2	1/4" (6mm) CLEAR TEMPERED MONOLITHIC GLASS
GL-4	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS
GL-8	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS w/ TINTED INTERLAYER
GL-13	1" (25mm) CLEAR TEMPERED INSULATING GLASS (LOW-E)
GL-18	1" (25mm) CLEAR TEMPERED INSULATING SPANDREL GLASS
GL-19	1" (25mm) CLEAR TEMPERED INSULATING GLASS (LOW-E) w/ APPLIED FRIT
GL-21	1" (25mm) CLEAR HEAT-STRENGTHENED LAMINATED INSULATING GLASS
GL-23	1" (25mm) CLEAR TEMPERED w/ TINTED INTERLAYER LAMINATED INSULATING GLASS (LOW-E)
F13L-2	3/4" (19mm) FIRE PROTECTIVE GLAZING (45 MIN)
F13L-4	1 1/8" (29mm) FIRE RESISTIVE GLAZING (60 MIN, ASTM E119)
S9GL1	MONOLITHIC SECURITY GLAZING
S9GL2	INSULATED SECURITY GLAZING

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Frame Elevations**

ISSUE DATES

06-18-2024 CONSTRUCTION DOCUMENTS

DATE ISSUED FOR:

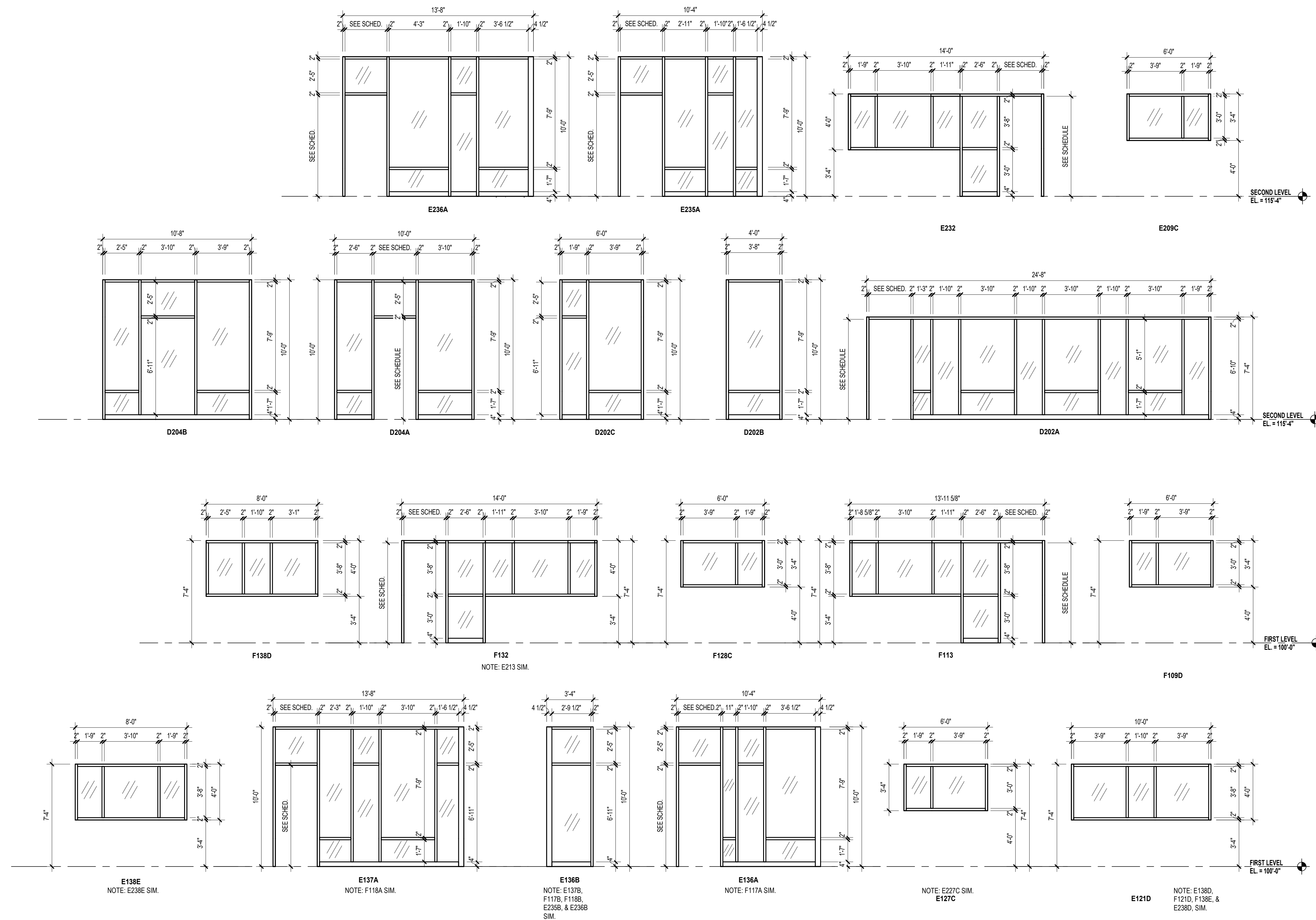
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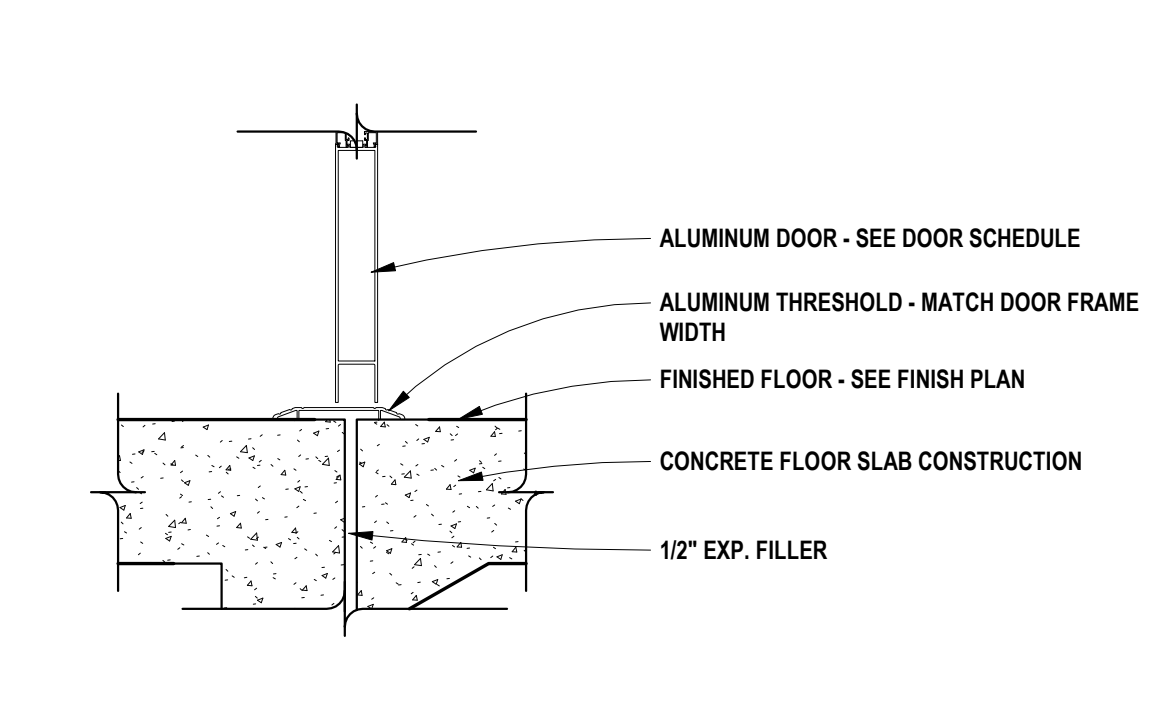
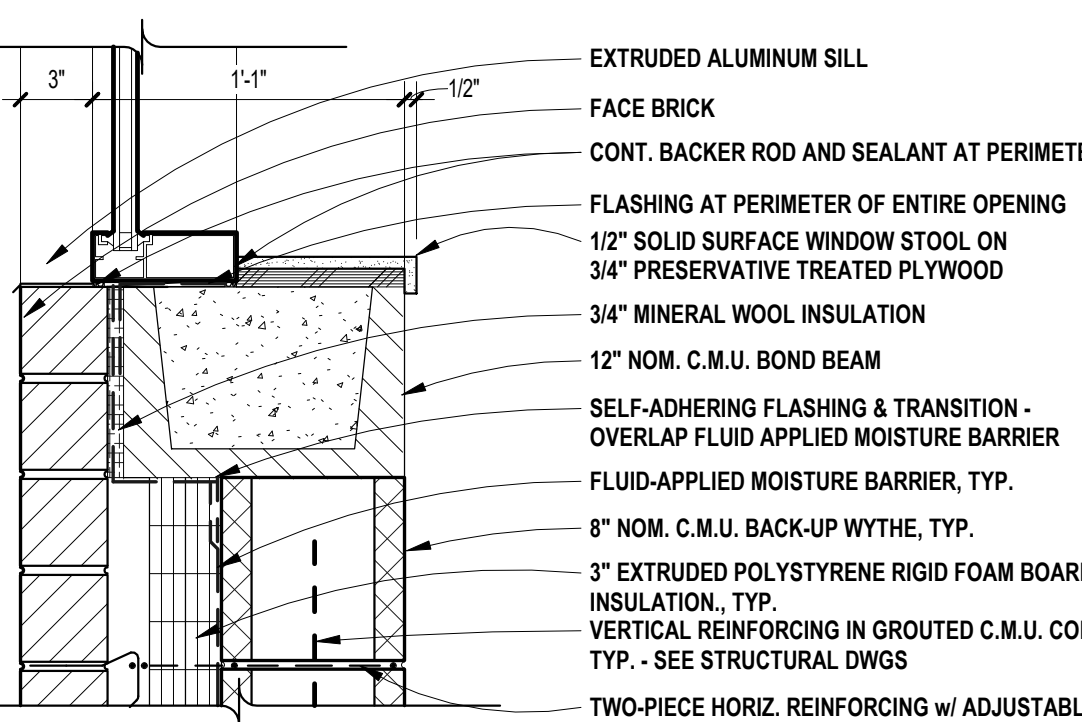
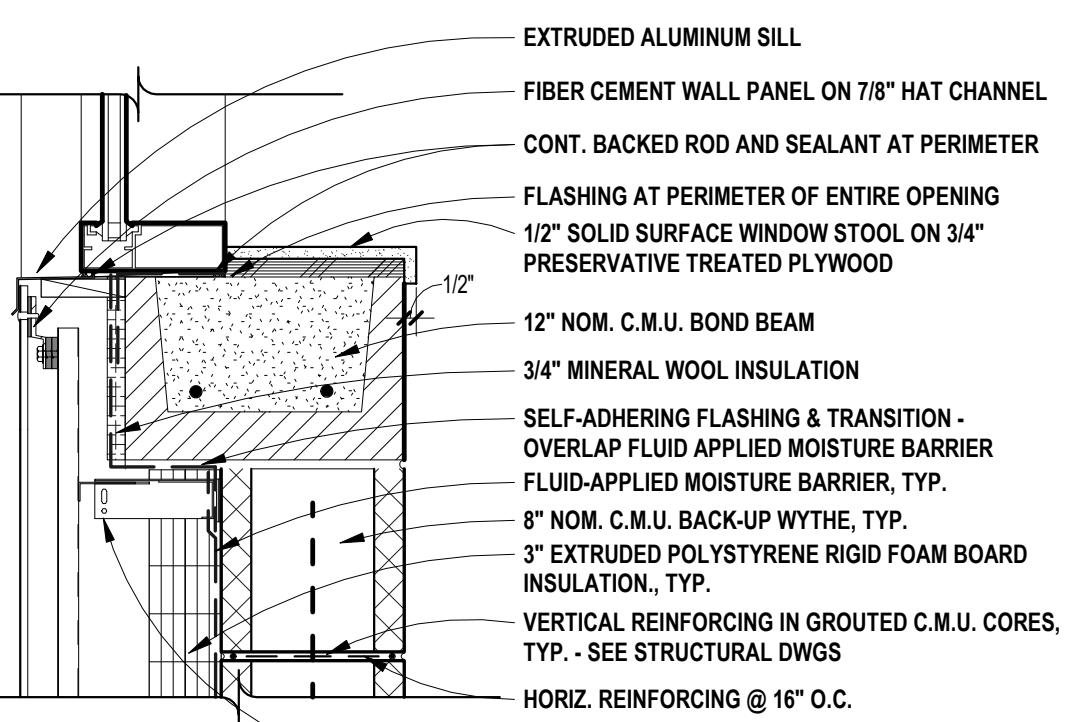
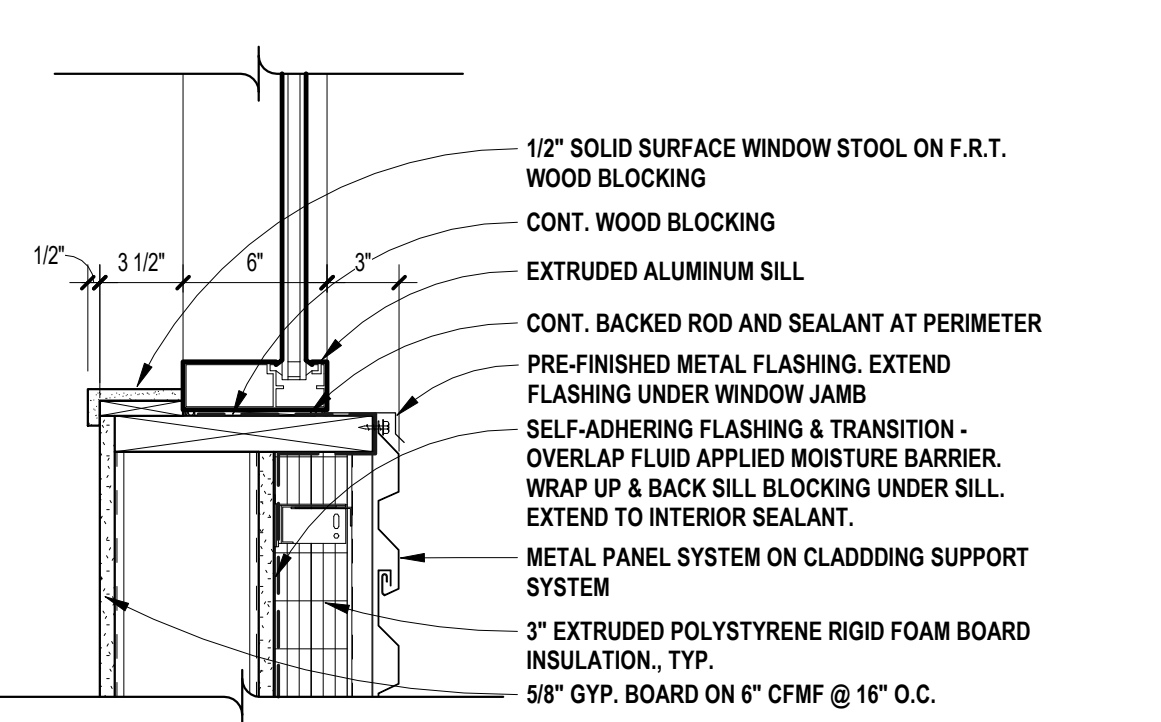
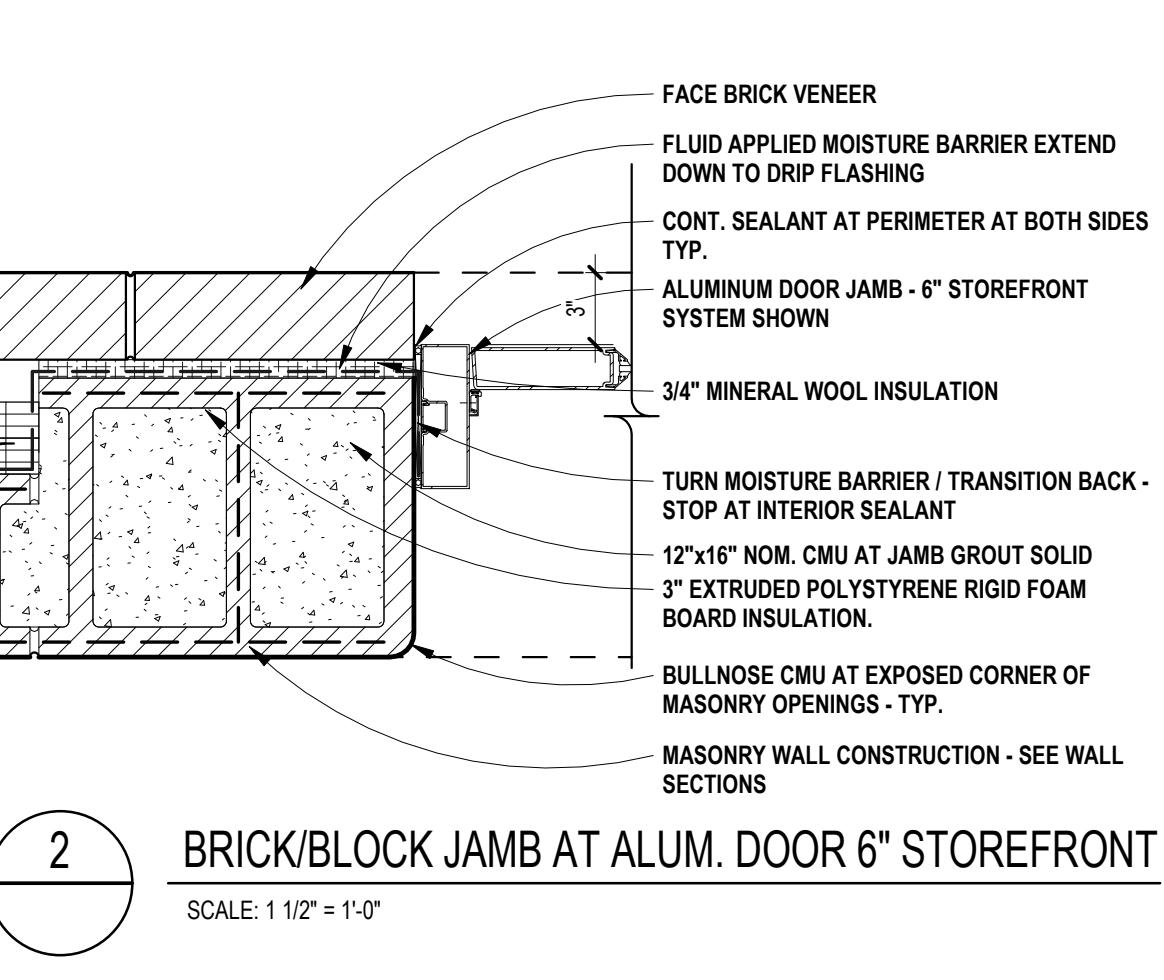
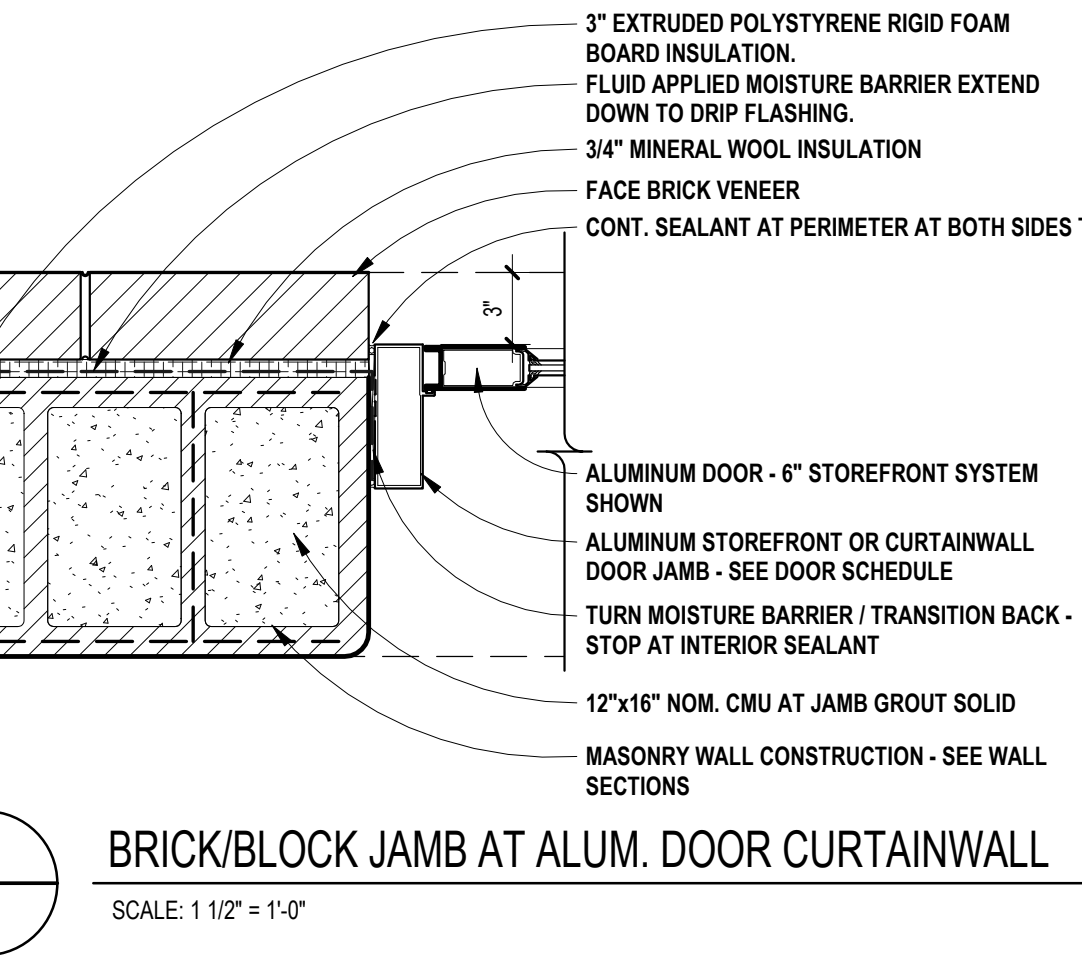
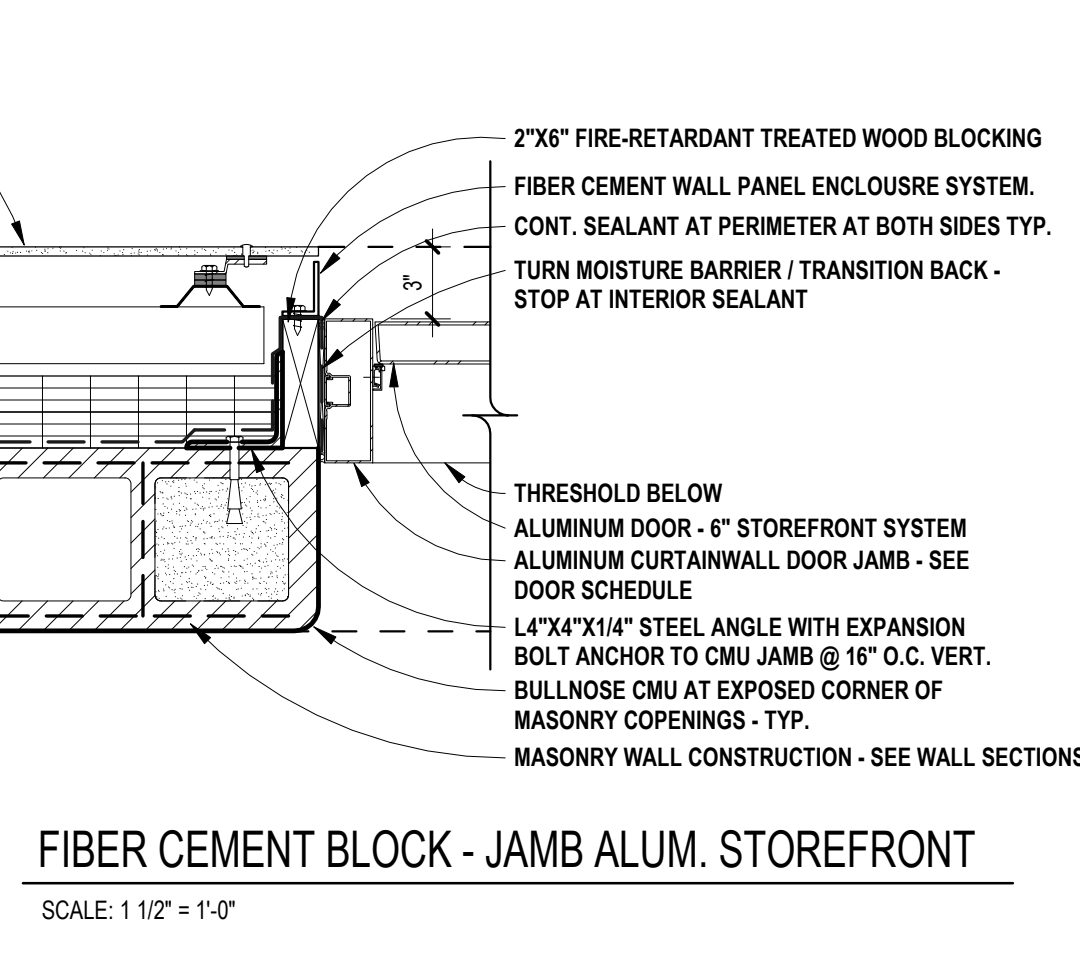
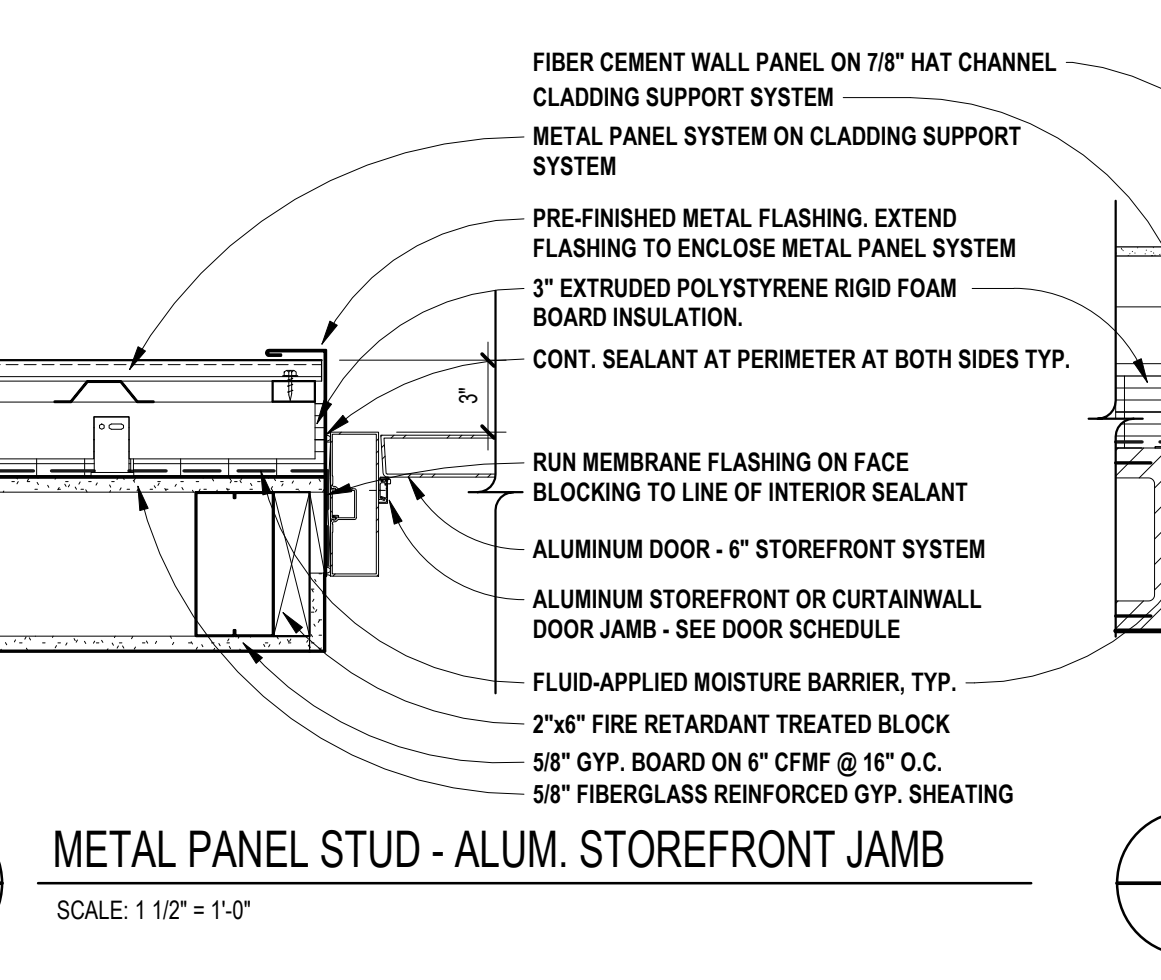
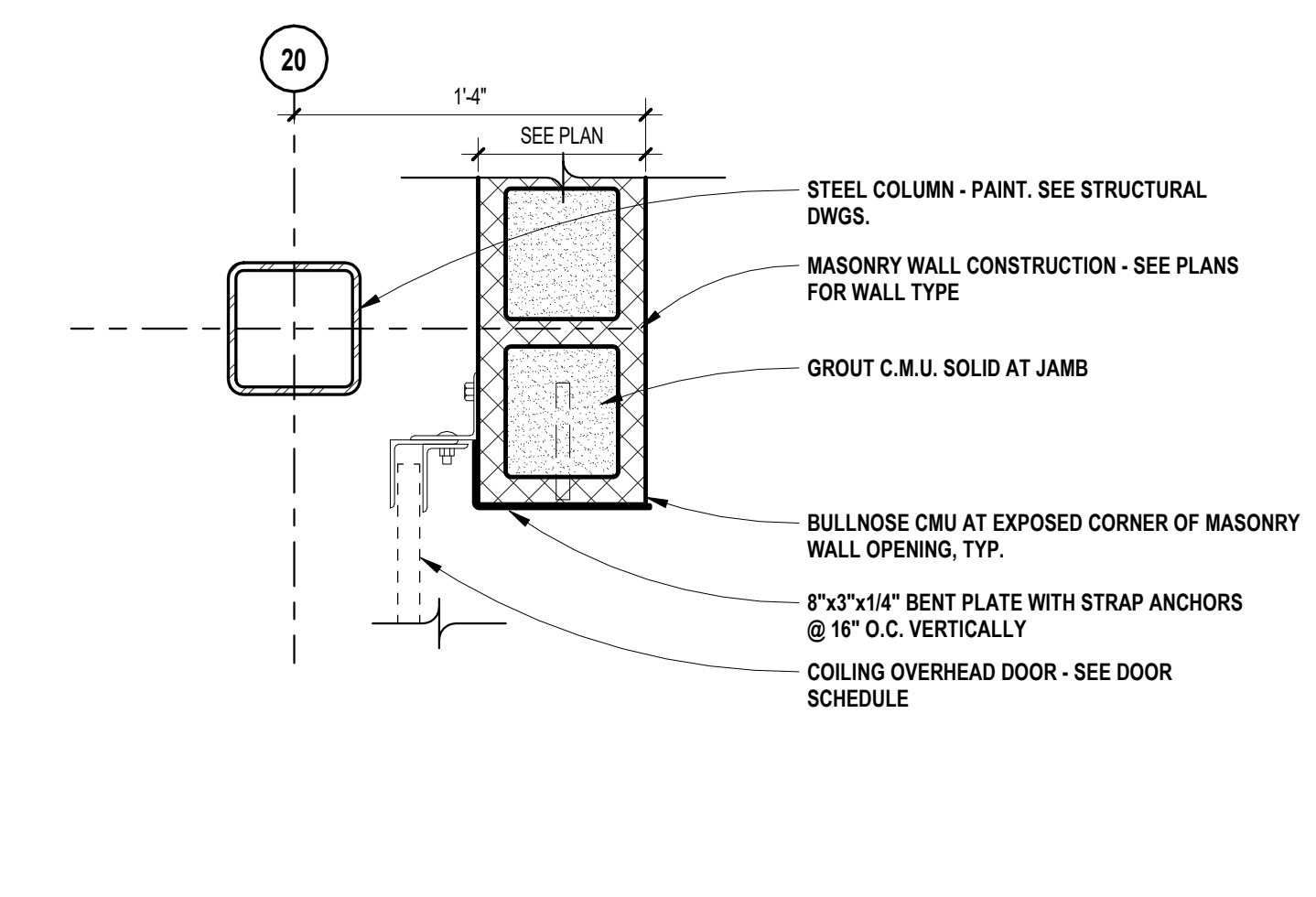
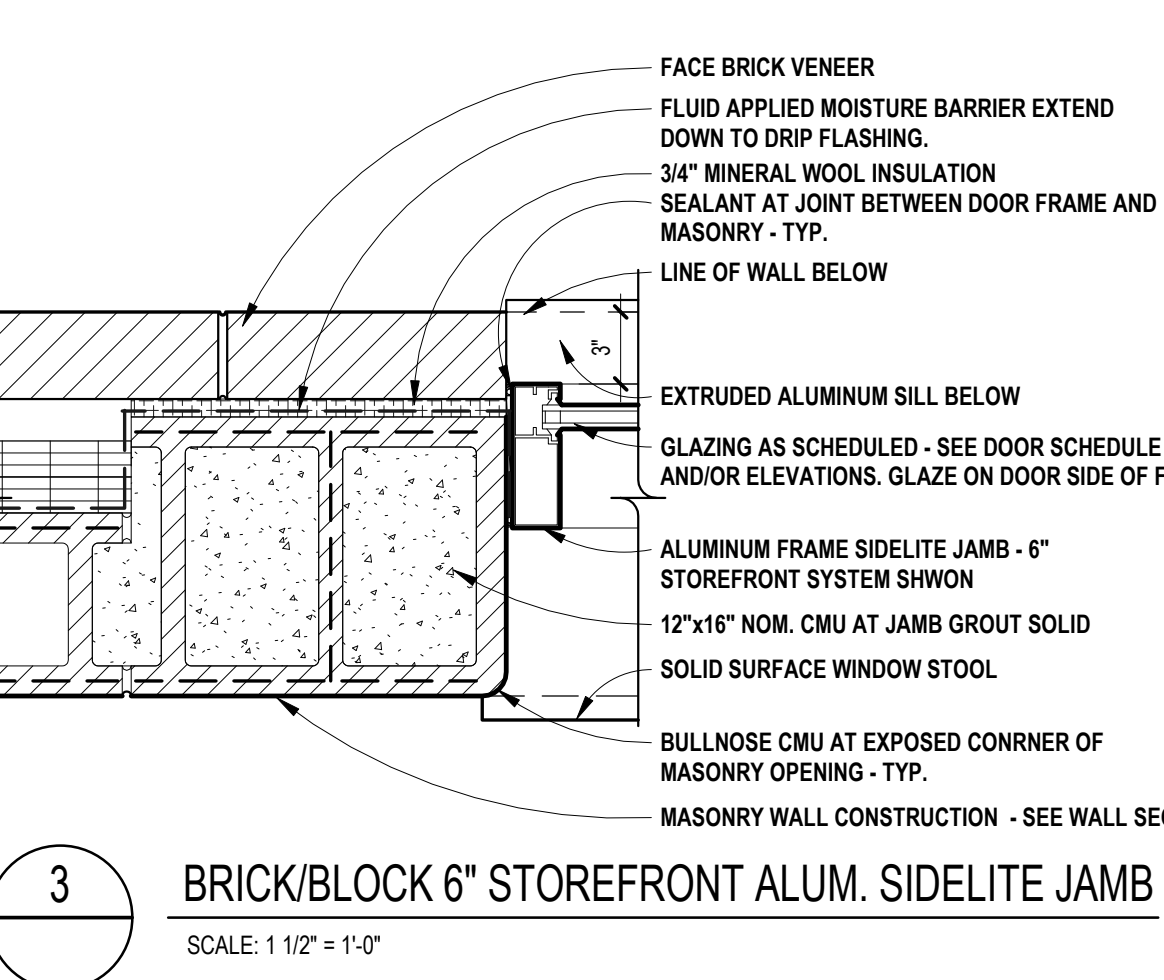
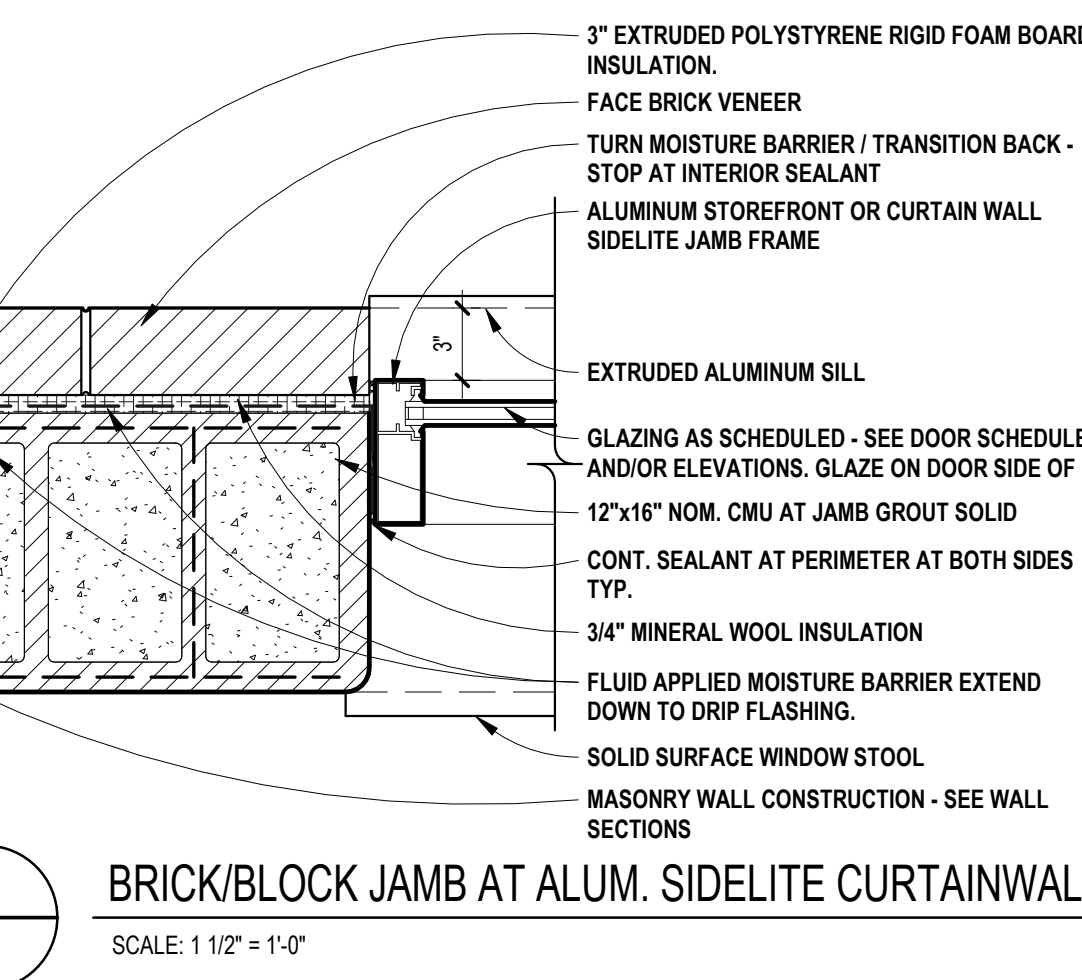
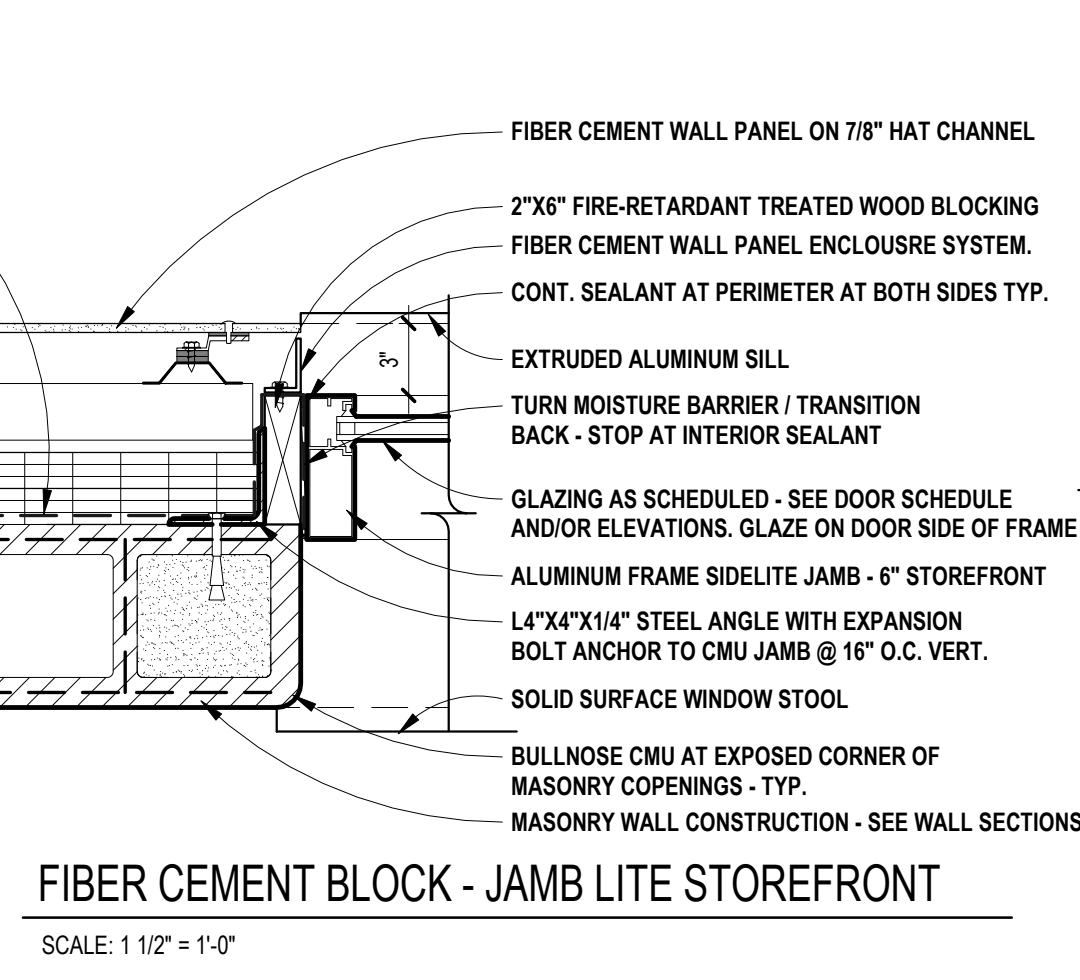
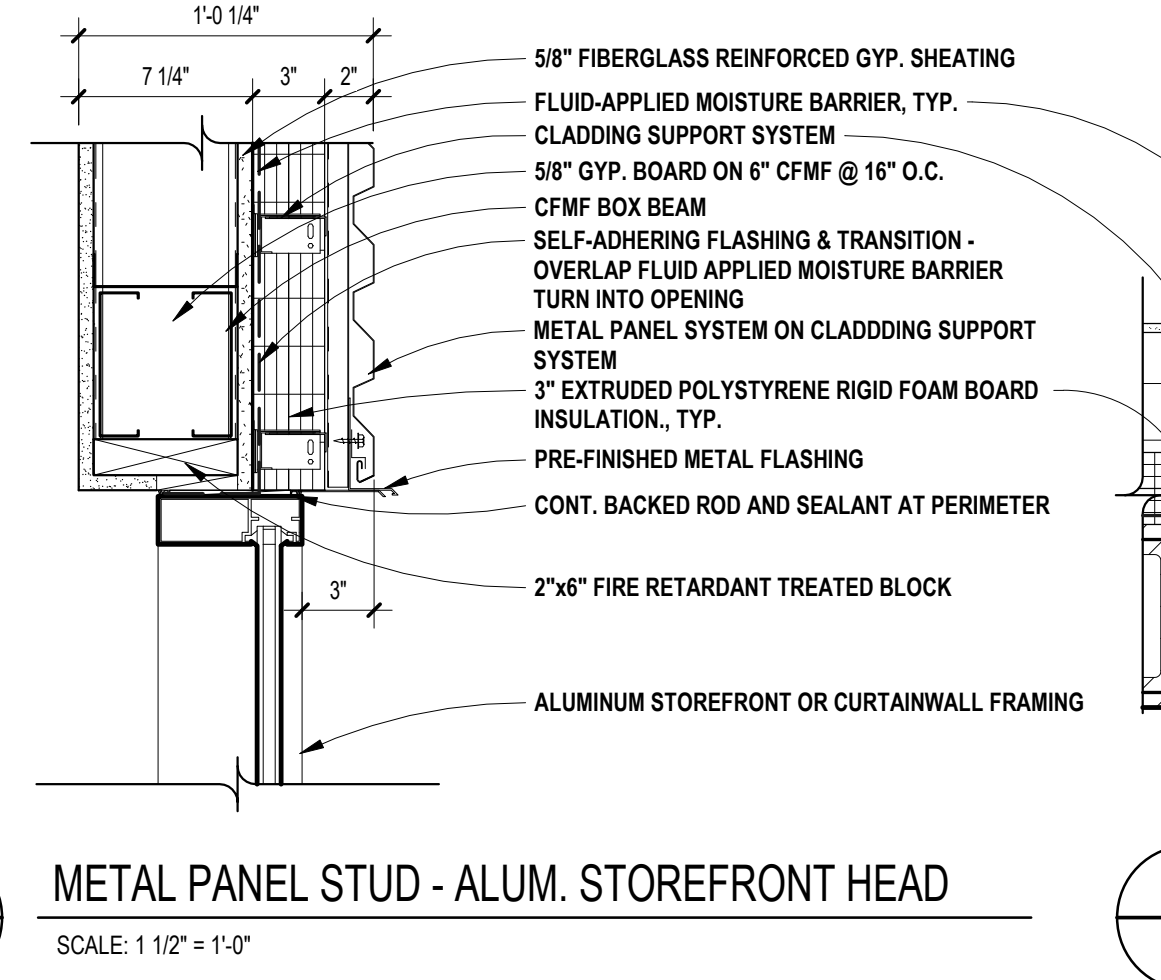
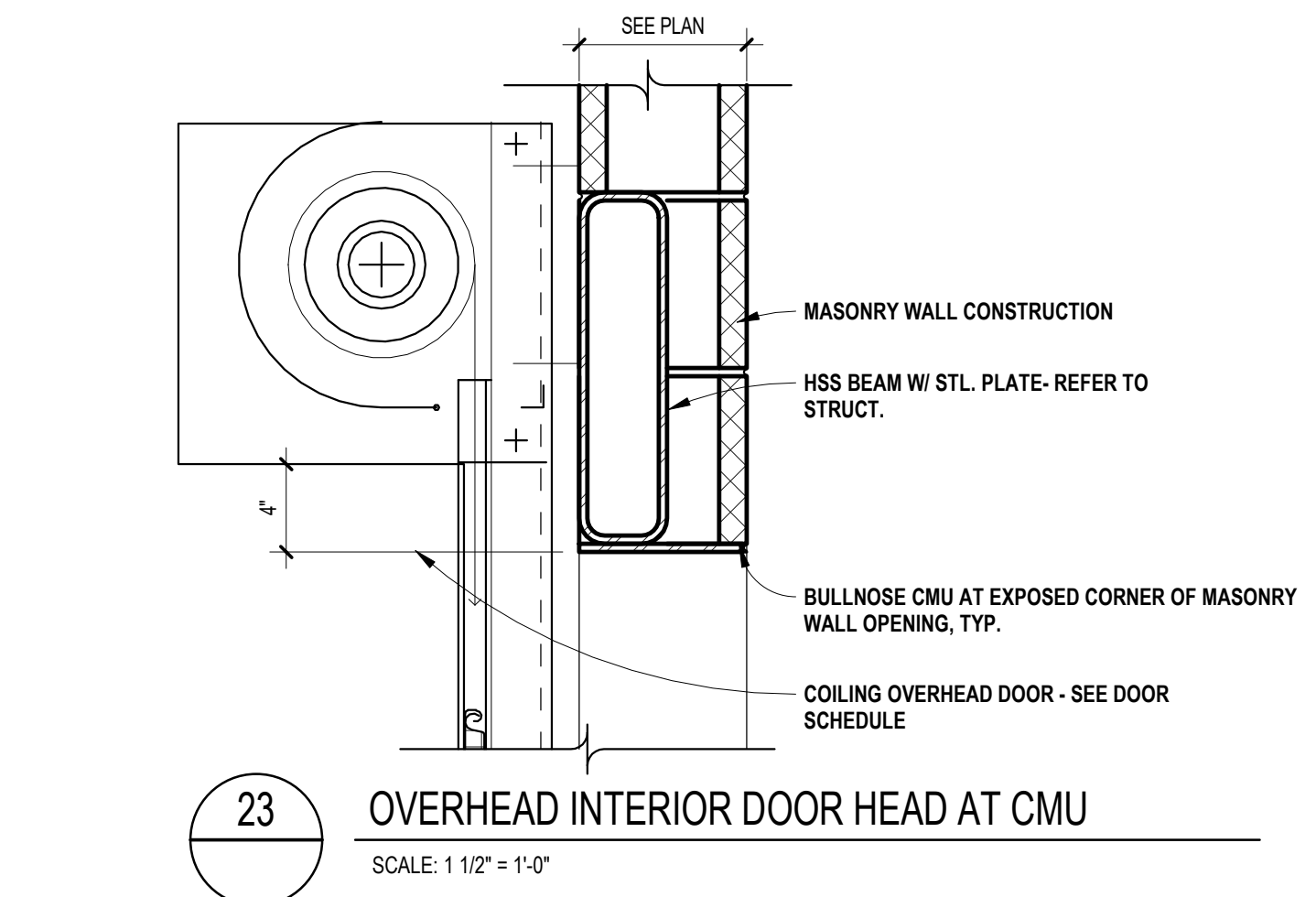
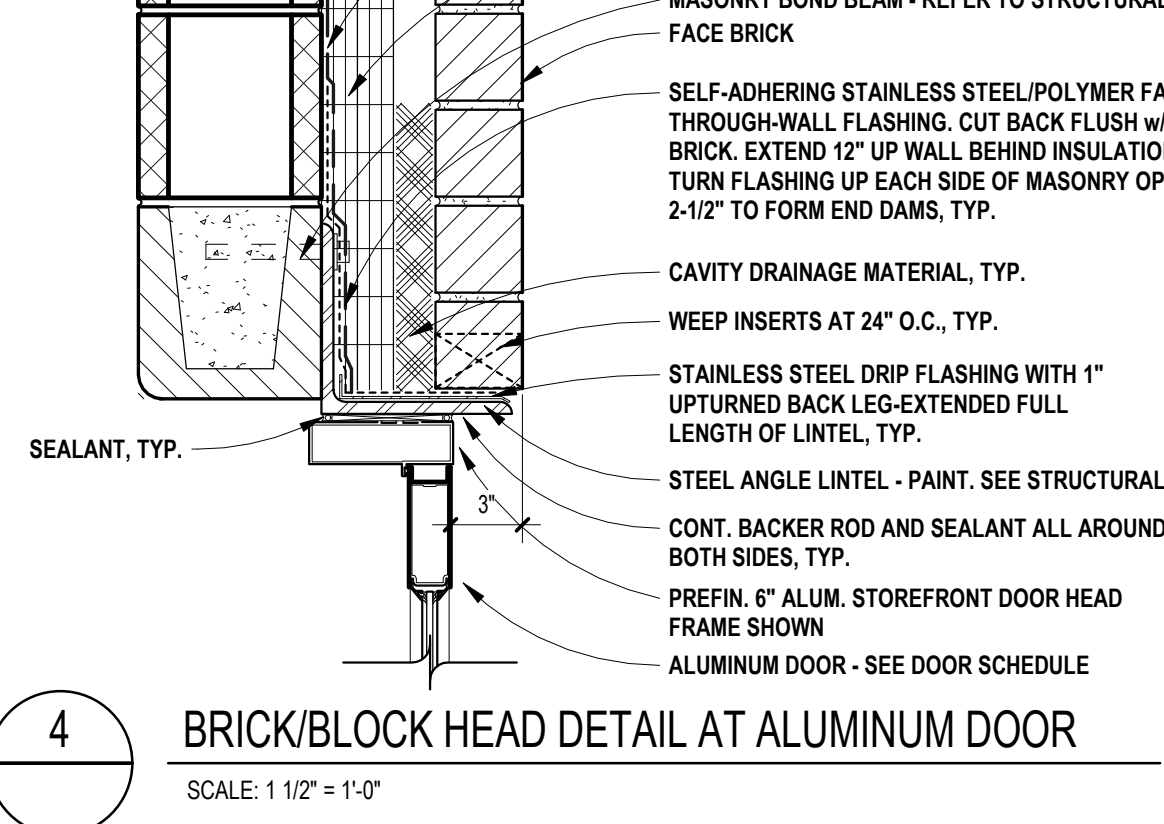
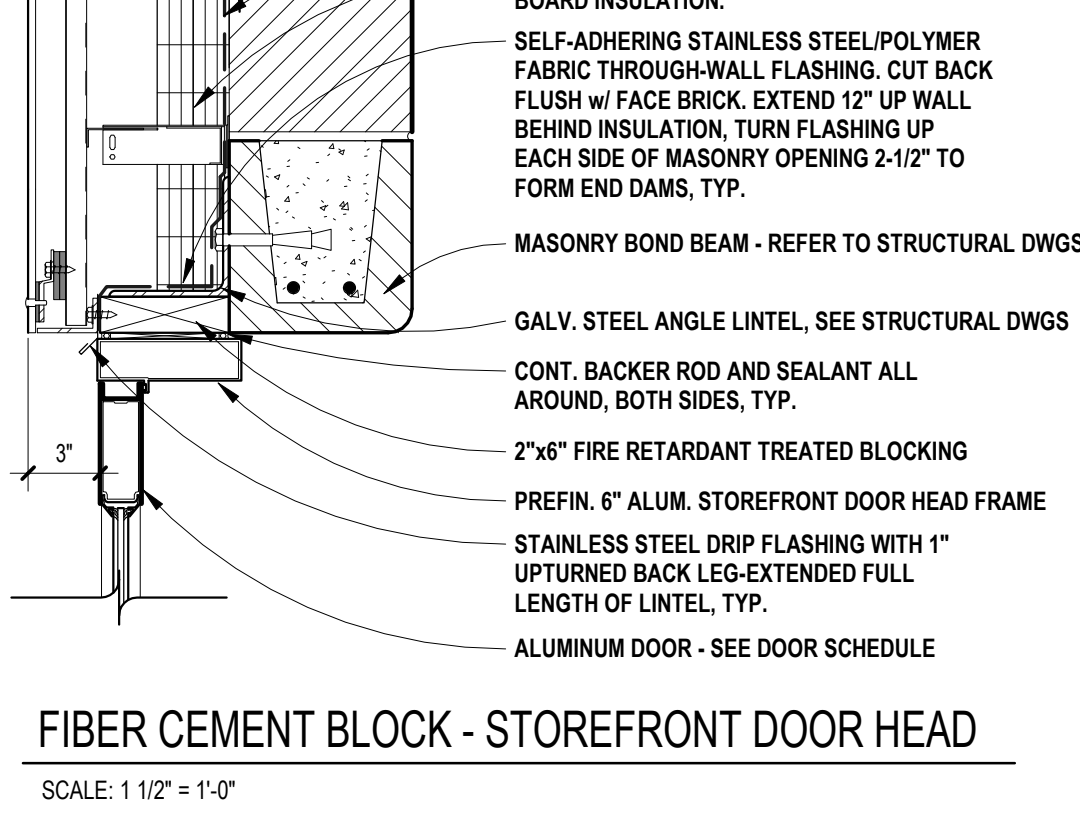
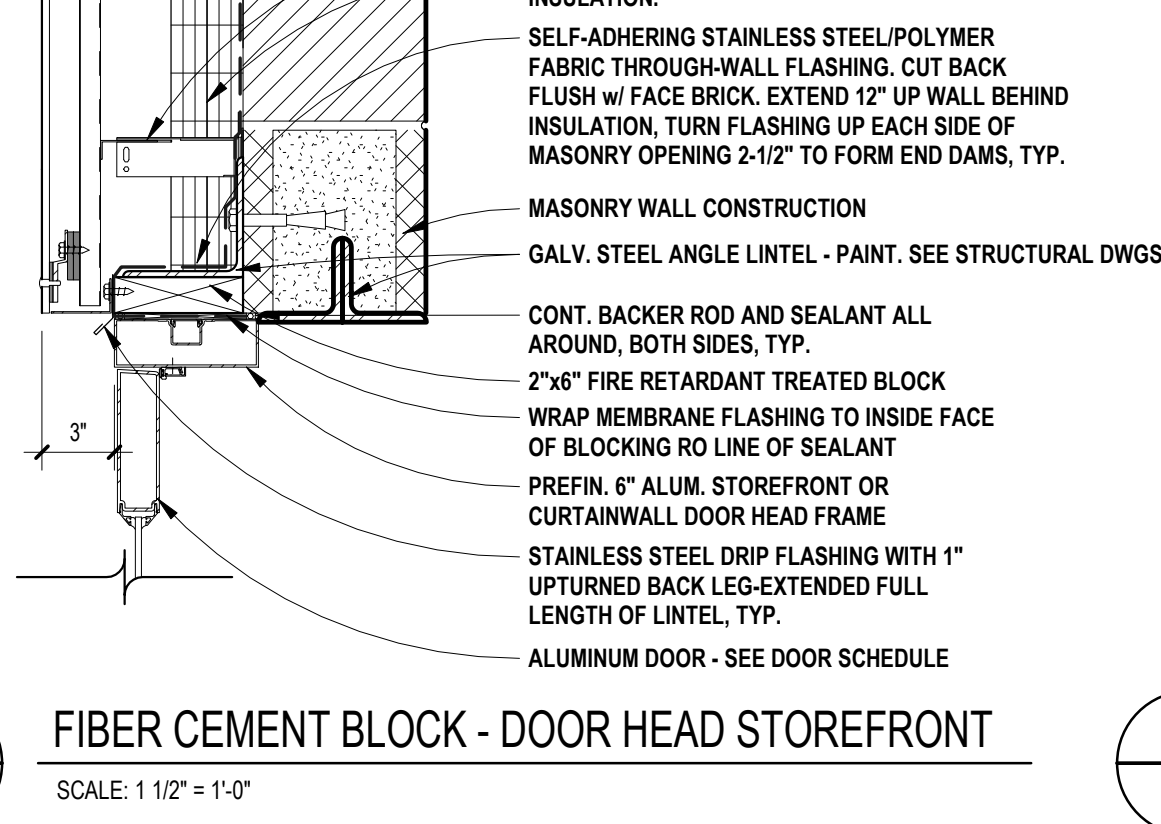
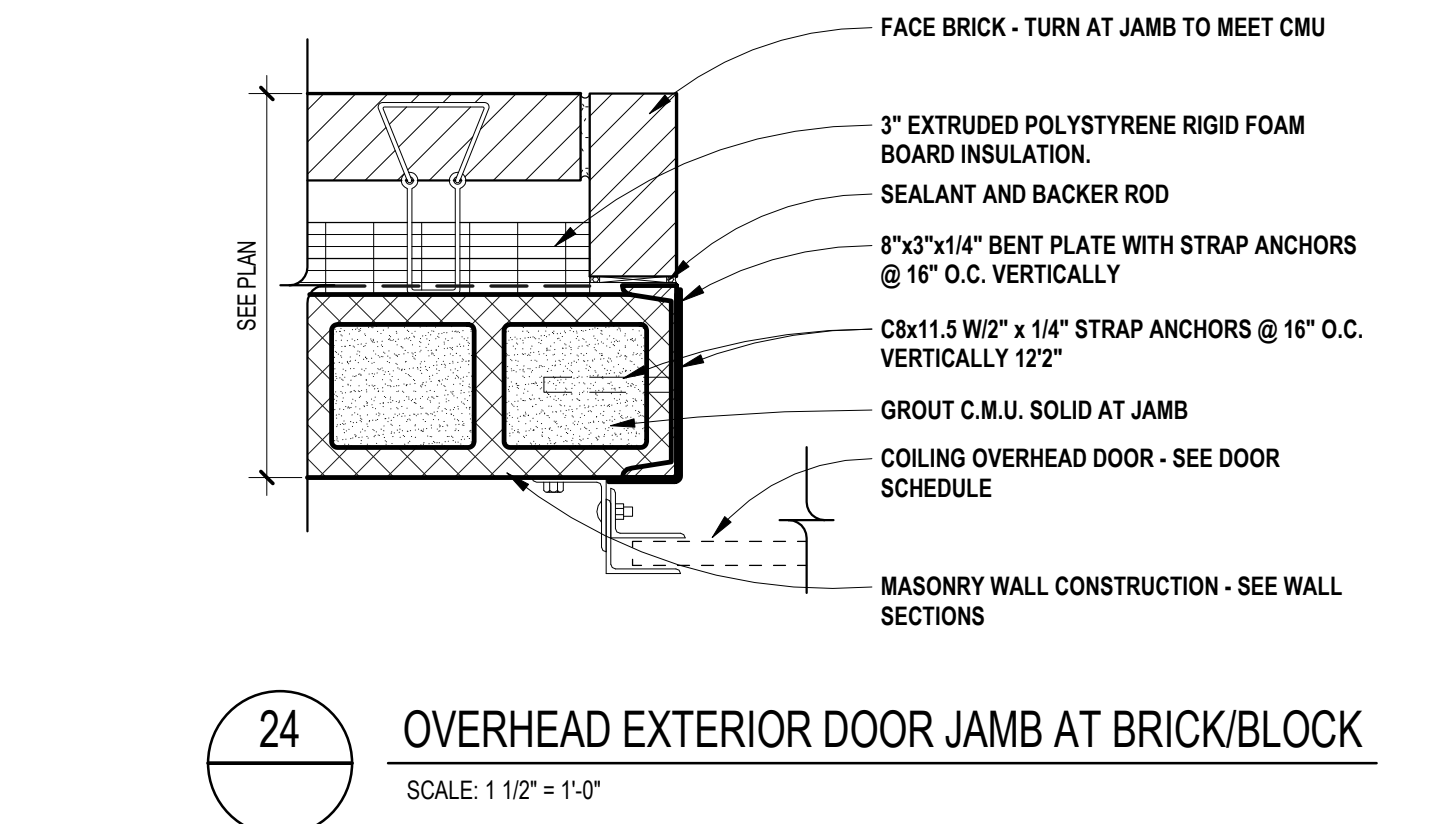
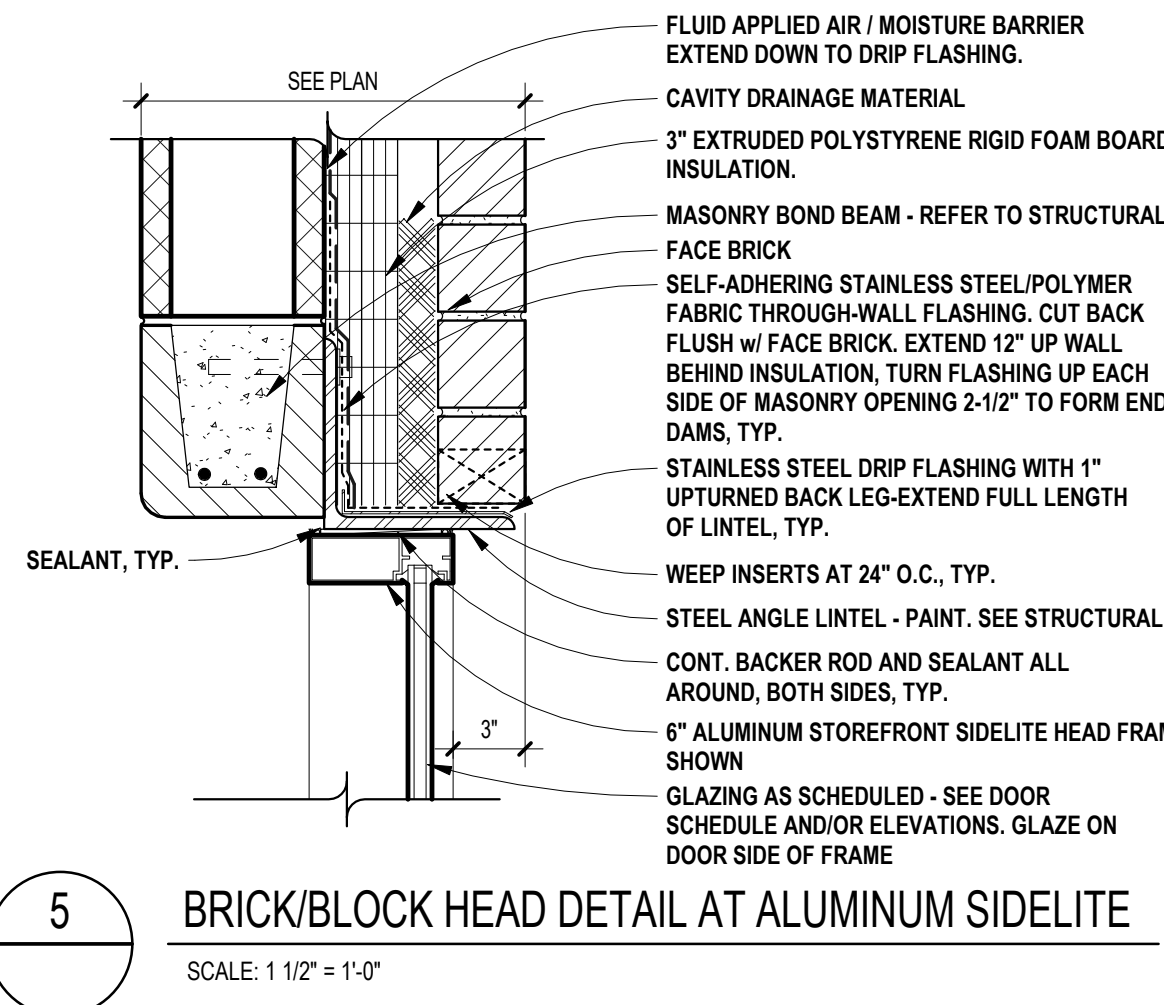
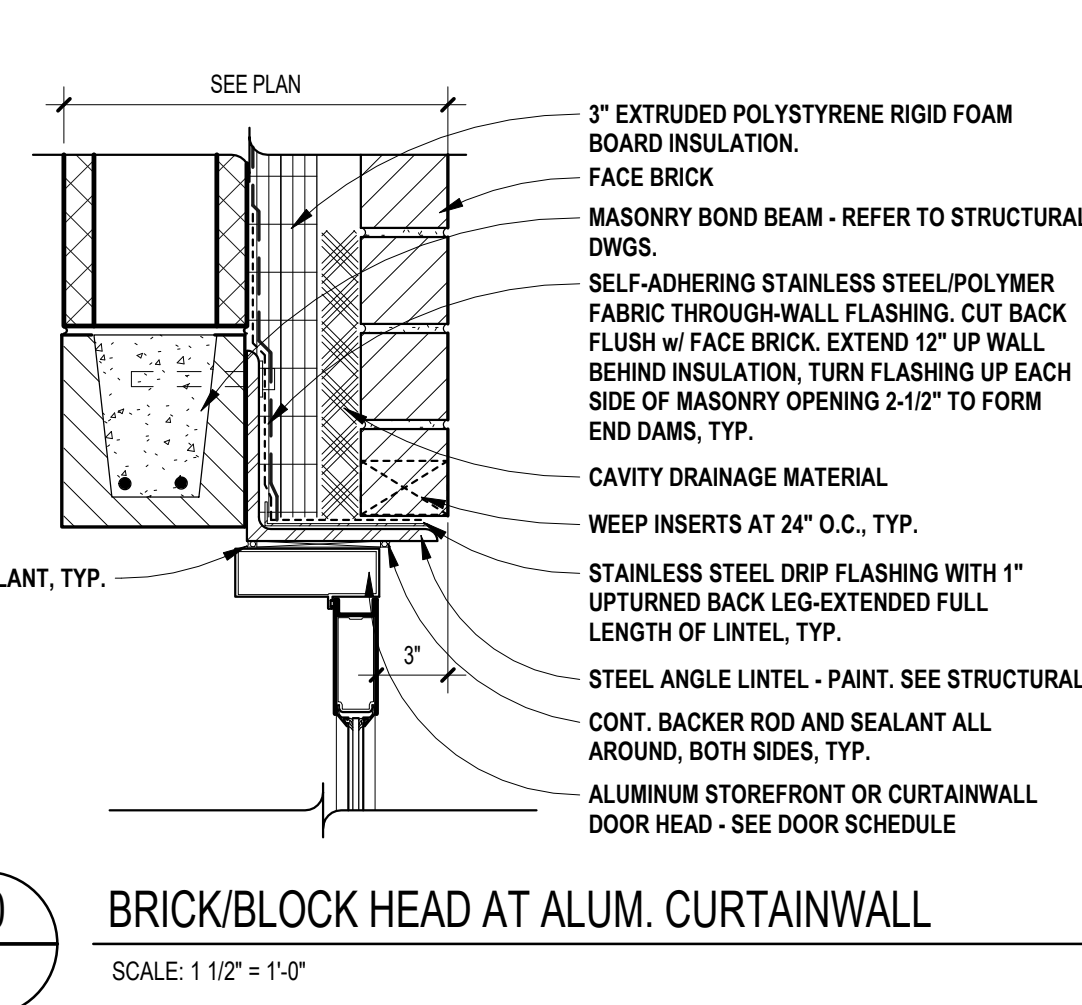
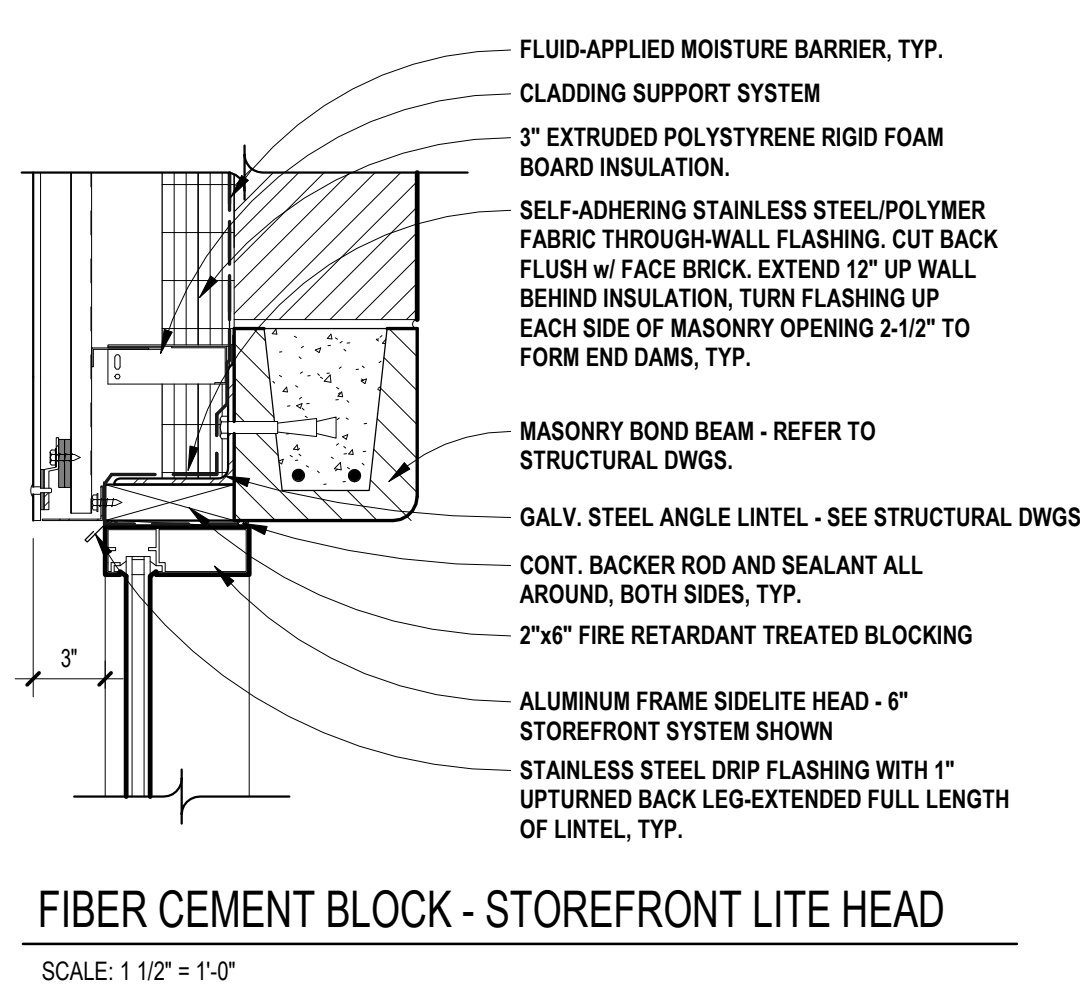
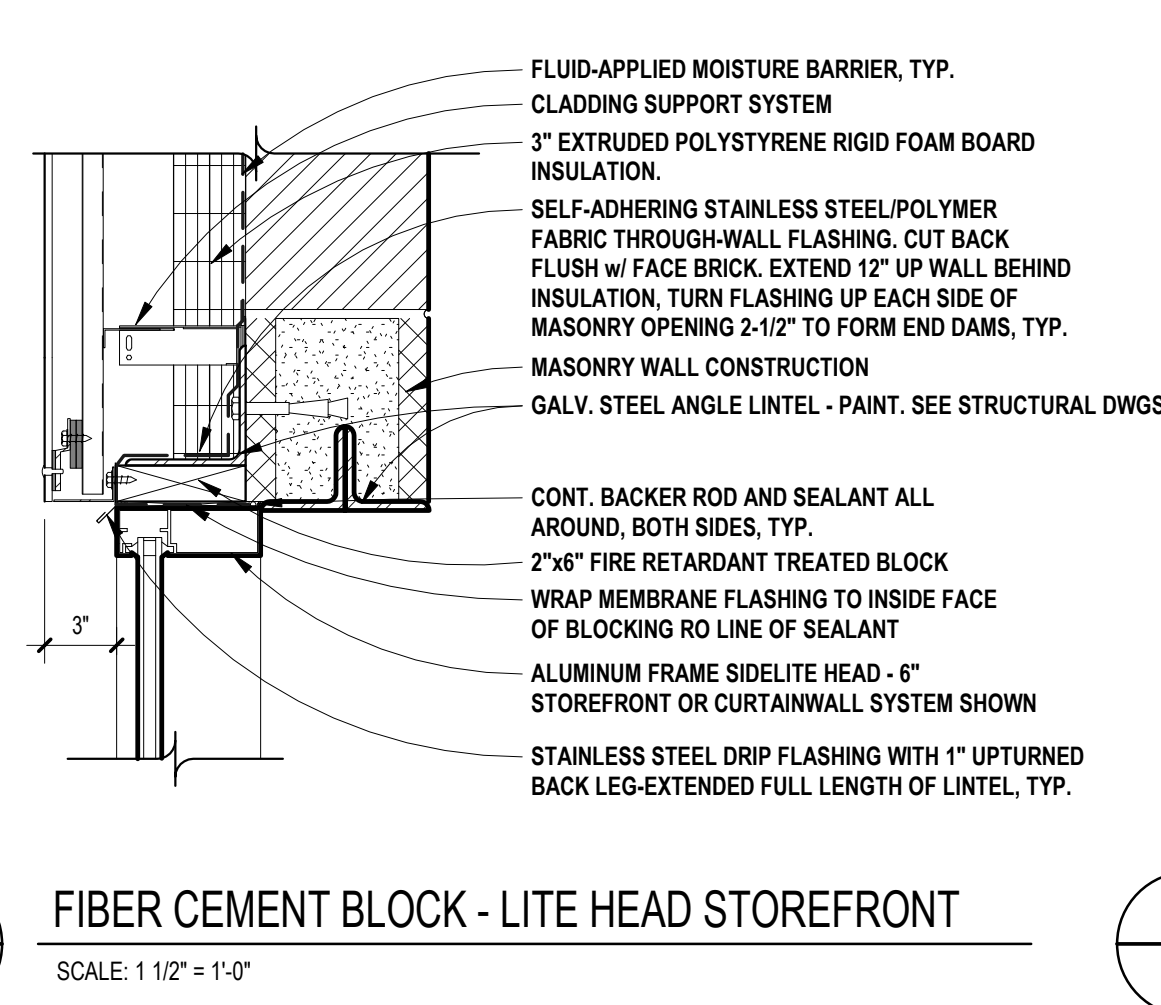
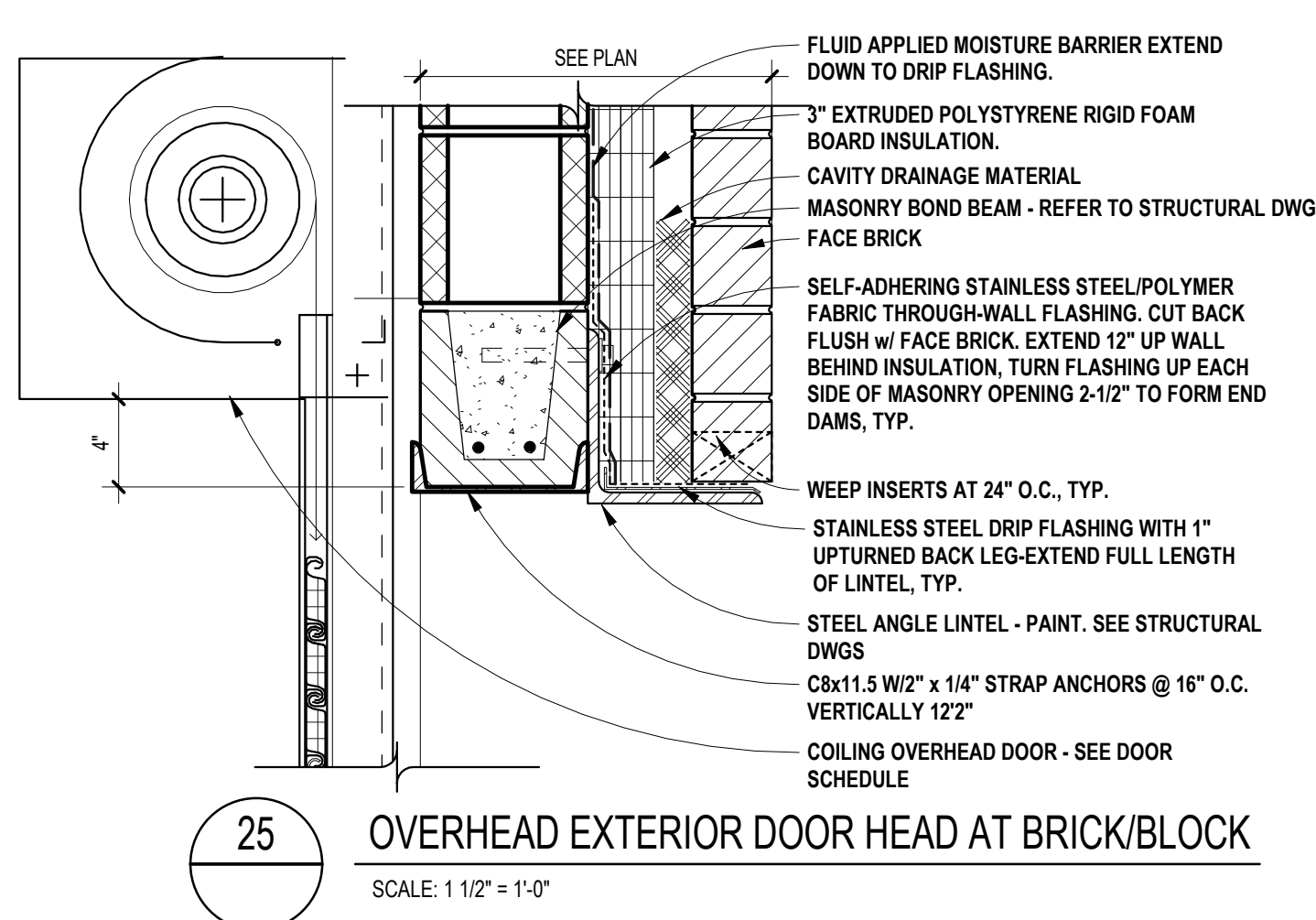
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PROJECT NO.  
**22102**

DRAWING NO.  
**AD.4**









REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Exterior Signage**

ISSUE DATES

06-18-2024 CONSTRUCTION DOCUMENTS

DATE ISSUED FOR:

DRAWN *do*

CHECKED *hw*

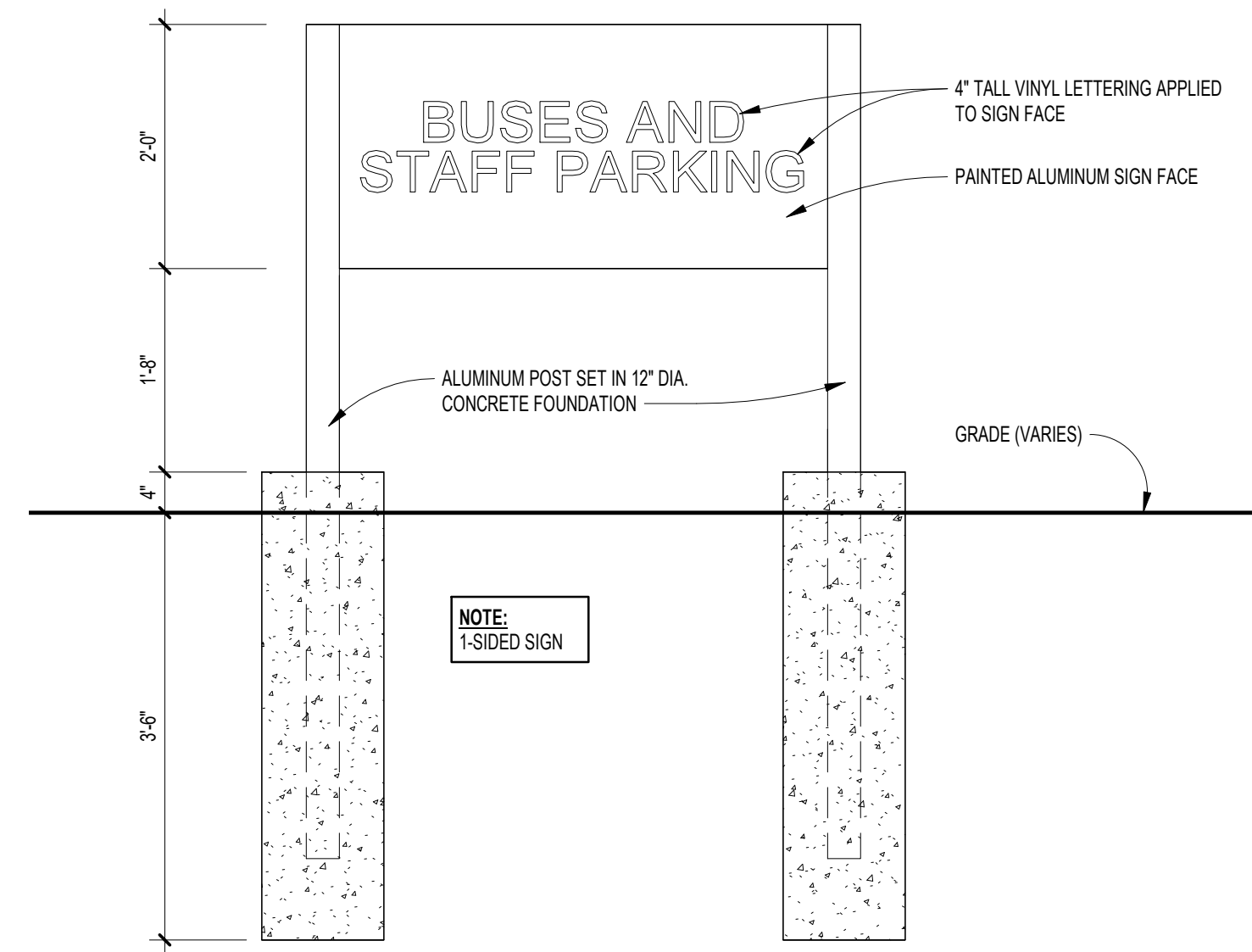
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PROJECT NO.

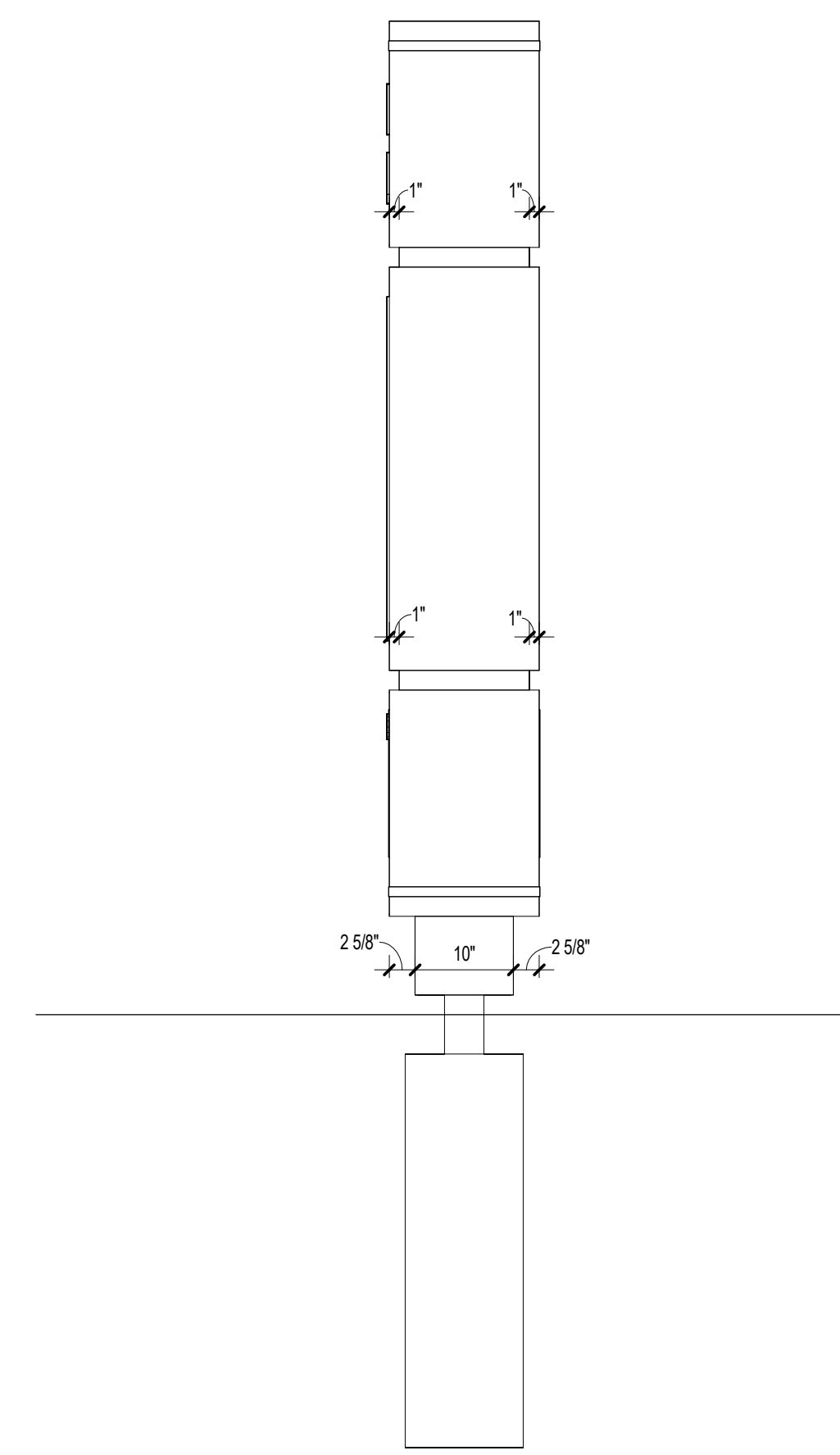
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DRAWING NO.

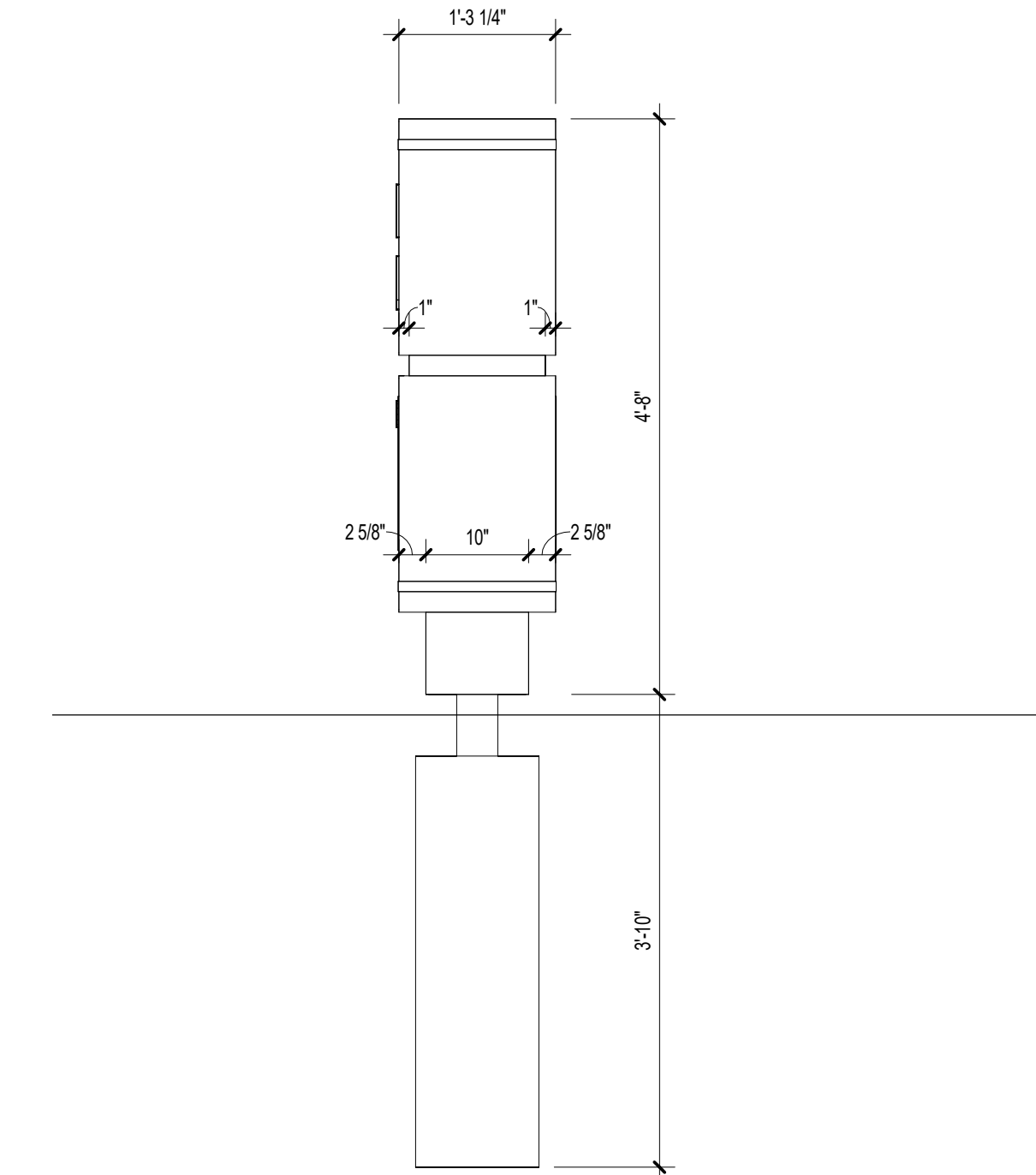
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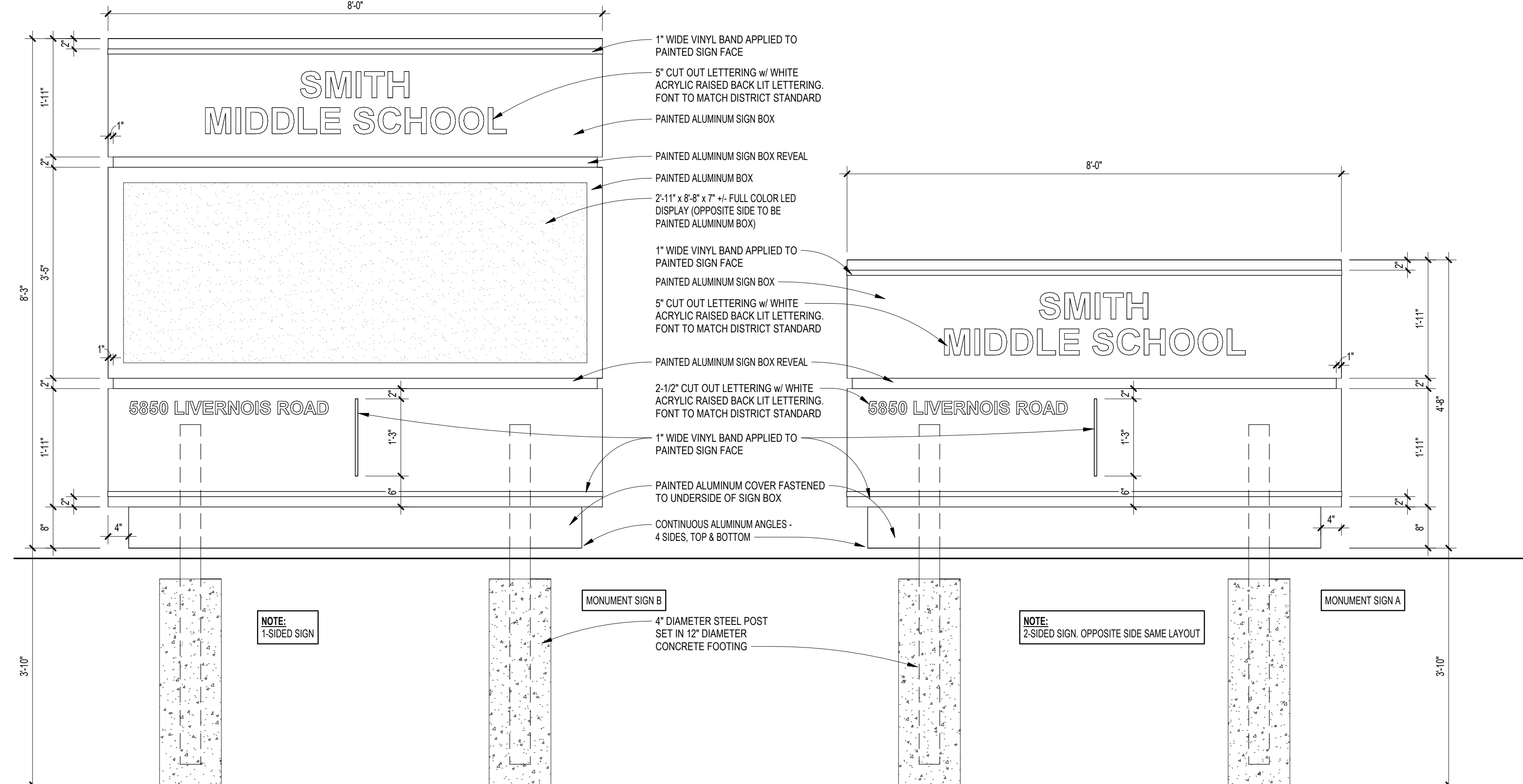
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AD.S2  
**OUTDOOR WAYFINDING SIGN E**  
SCALE: 3/4" = 1'-0"



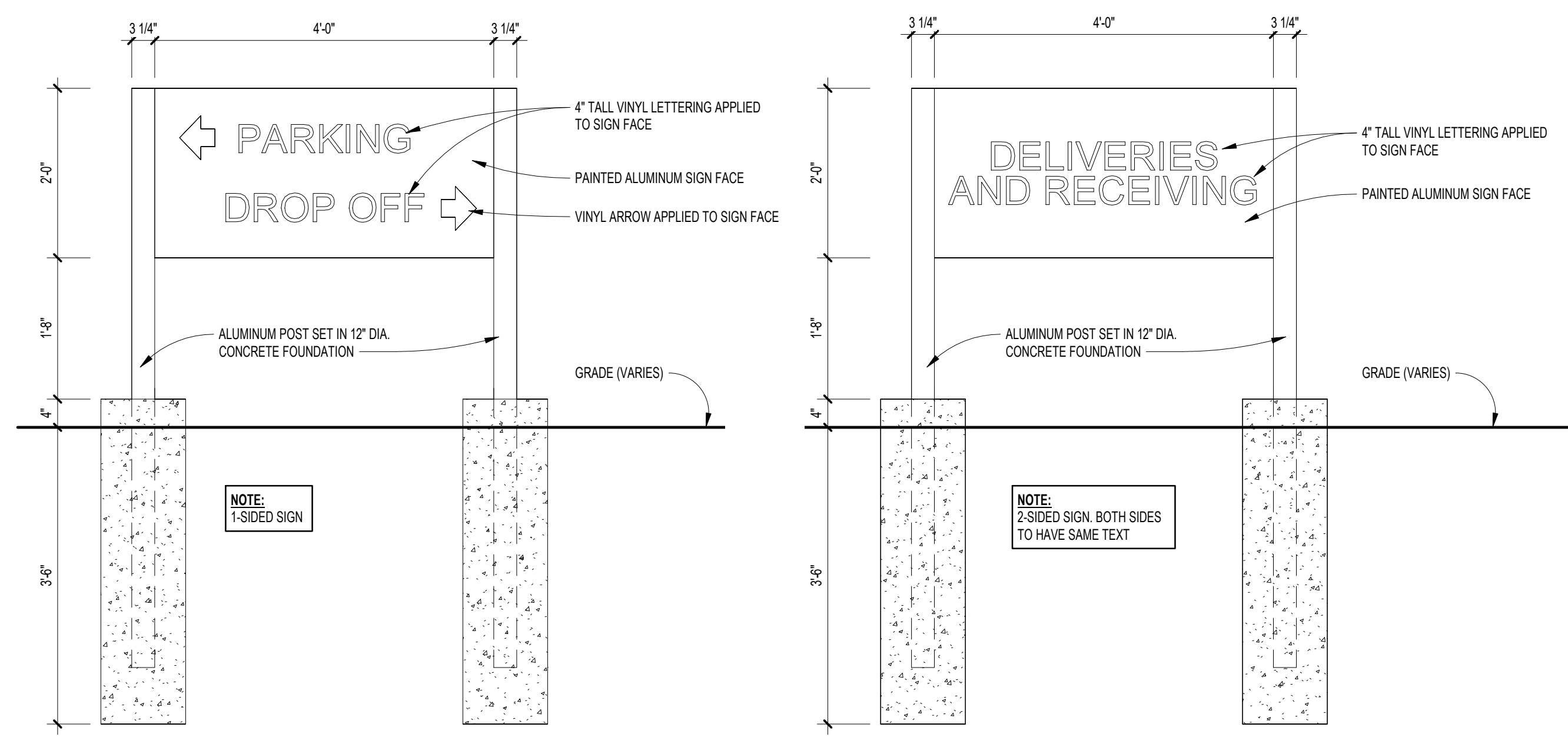
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AD.S2  
**MONUMENT W/ LED SIGN ELEVATION**  
SCALE: 3/4" = 1'-0"



**3**  
AD.S2  
**MONUMENT SIGN ELEVATION**  
SCALE: 3/4" = 1'-0"

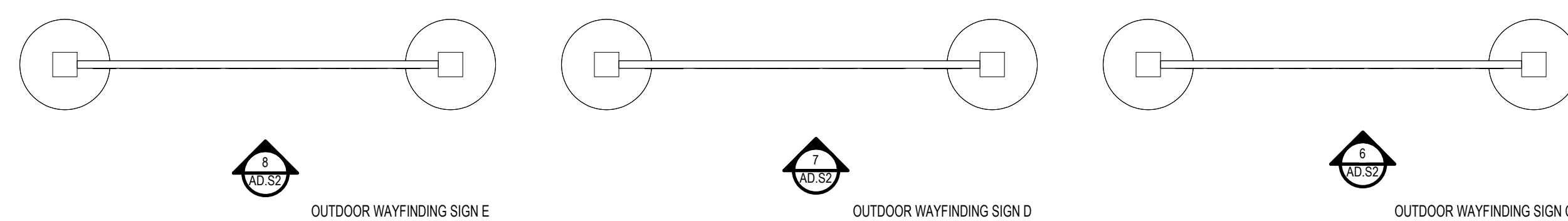


**2**  
AD.S2  
**MONUMENT SIGN ELEVATION**  
SCALE: 3/4" = 1'-0"



**7**  
AD.S2  
**OUTDOOR WAYFINDING SIGN D**  
SCALE: 3/4" = 1'-0"

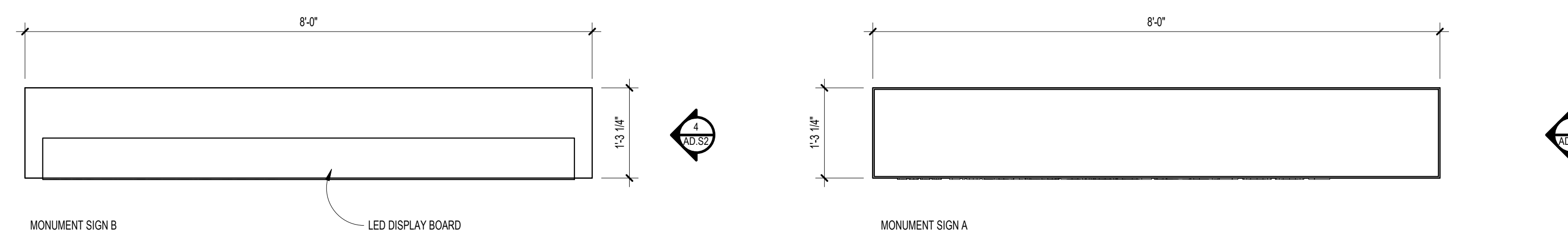
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AD.S2  
**OUTDOOR WAYFINDING SIGN C**  
SCALE: 3/4" = 1'-0"



OUTDOOR WAYFINDING SIGN E

OUTDOOR WAYFINDING SIGN D

OUTDOOR WAYFINDING SIGN C



MONUMENT SIGN B

LED DISPLAY BOARD

MONUMENT SIGN A

**5**  
A3.1  
**SITE WAYFINDING SIGNS**  
SCALE: 3/4" = 1'-0"

**1**  
A3.1  
**MONUMENT SIGN PLAN**  
SCALE: 3/4" = 1'-0"







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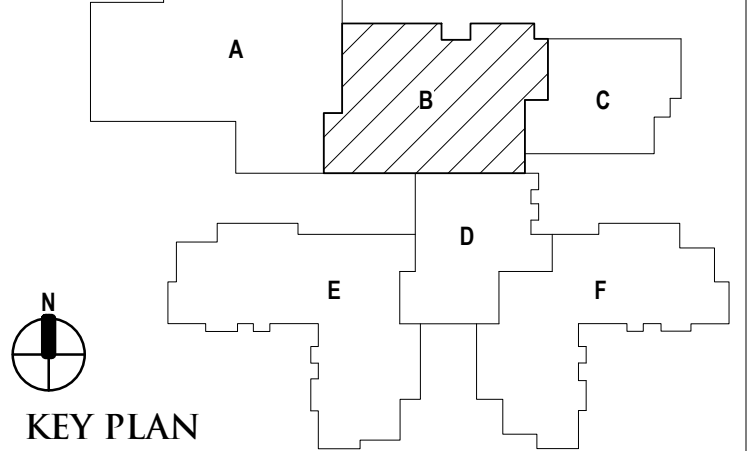
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**First Level Floor Plan - Zone 'B'**



ISSUE DATES

96-18-2024 CONSTRUCTION DOCUMENTS  
DATE ISSUED FOR:  
DRAWN do  
CHECKED jw  
APPROVED dt

PROJECT NO.  
**22102**  
DRAWING NO.  
**A1.1B**

**WALL / PARTITION KEY**

- EXISTING WALL CONSTRUCTION
- METAL STUD PARTITION
- 
- 

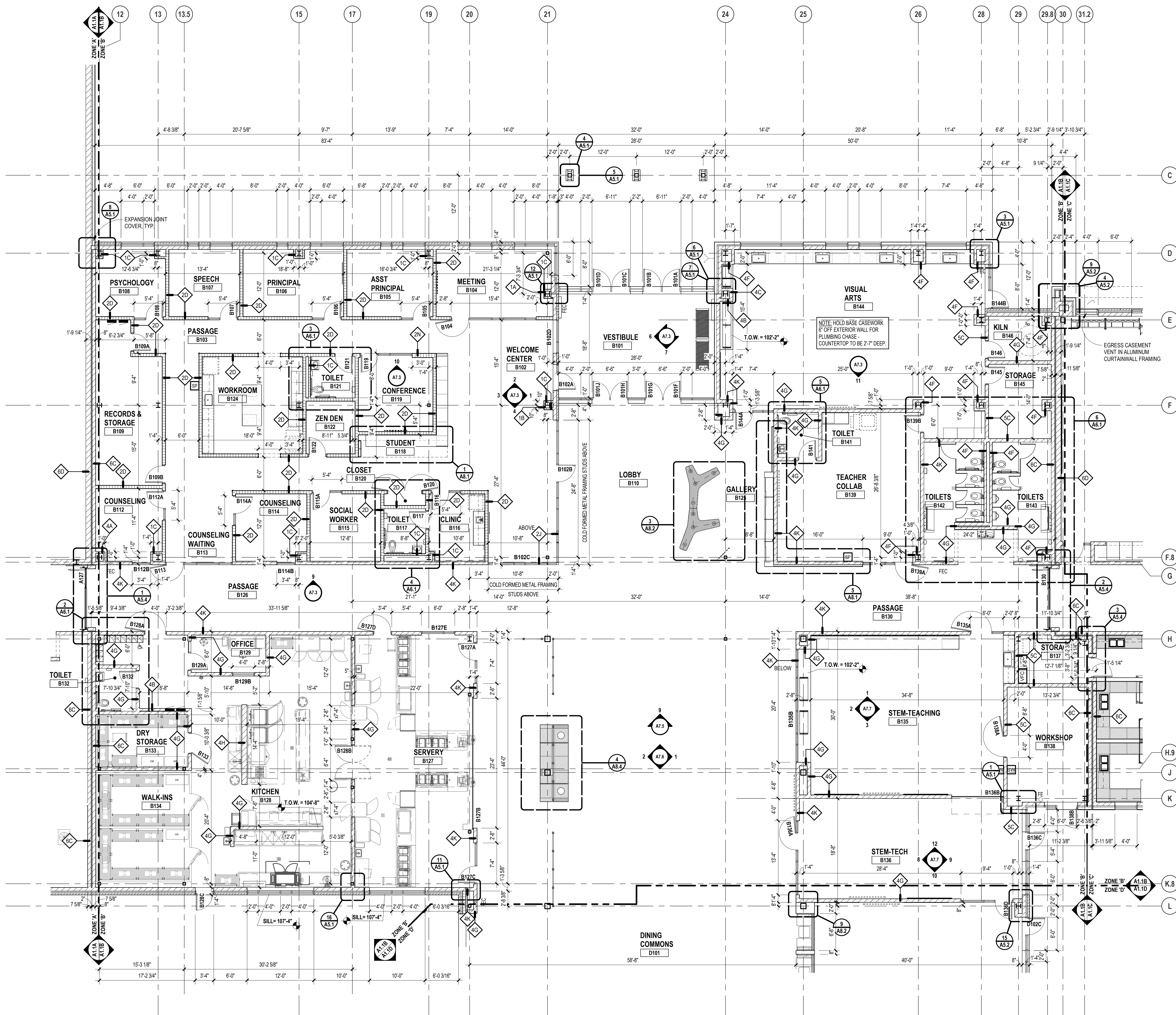
**WALL / PARTITION LEGEND**

- 1A 7/8\"/>
- 1B 2 1/2\"/>
- 1C 3/8\"/>
- 1D 6\"/>
- 1G 3/8\"/>
- 1H 4\"/>
- 2A 3/8\"/>
- 2B 4\"/>
- 2C 3/8\"/>
- 2D 4\"/>
- 2F 6\"/>
- 2G 3/8\"/>
- 2H 4\"/>
- 2J 3/8\"/>
- 2K 4\"/>
- 2N 6\"/>
- 2P 6\"/>
- 3A 4\"/>
- 3B 6\"/>

- NOTES:**
1. COORDINATE WITH THE REFLECTED CEILING PLANS FOR RATED WALLS. WALLS WHICH EXTEND UP TO THE STRUCTURE ABOVE AND WALLS WHICH EXTEND ONLY A MINIMUM OF 4\"/>
  2. REFER TO MASONRY SPECIFICATION FOR VERTICAL REINFORCEMENT AND WALL BRACING NOT INDICATED ON DRAWINGS.
  3. AT FIRE-RATED AND SMOKE-RESISTING WALLS (MASONRY OR GYPSUM BOARD), PROVIDE U.L. APPROVED, FIRE-RATED, HEAD-OF-WALL TERMINATIONS AS INDICATED. IF NOT INDICATED, PROVIDE \"BASIS OF DESIGN\" HEAD-OF-WALL FIRESTOP SYSTEM AS INDICATED IN SPECIFICATION SECTION 07 446 (1 OR 2 HOUR AS APPROPRIATE). PROVIDE MINIMUM 1 HOUR TERMINATION AT SMOKE-RESISTING WALLS.
  4. PROVIDE BULLNOSE CMU UNITS AT ALL OUTSIDE CORNERS WHEN CORNERS ARE EXPOSED IN FINAL CONSTRUCTION. DO NOT BULLNOSE CORNERS WHEN ABUTTING CONSTRUCTION (i.e. GYPSUM BOARD) IS INTENDED TO BE FLUSH WITH CMU.
  5. ALL GYPSUM WALLS TO RECEIVE ABUSE RESISTANT GYPSUM BOARD BELOW 4'-0\"/>
  6. WHERE FINISH PANELS (A10 SERIES DRAWINGS) CALL FOR WALL TILE, PROVIDE CEMENT BOARD SUBSTRATE IN LIEU OF GYPSUM BOARD.
  7. ALL DOORS LOCATED 4\"/>

**GENERAL NOTES**

1. COORDINATE SIZE AND LOCATION OF ALL CONCRETE HOUSEKEEPING PADS AND / OR EQUIPMENT SUPPORTS WITH APPROPRIATE EQUIPMENT MANUFACTURER.
2. COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY EACH TRADE. ALL LOCATIONS MUST BE COORDINATED AND APPROVED BY THE ARCHITECT'S FIELD REPRESENTATIVE.
3. CONTRACTORS SHALL VERIFY ALL EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS, AND FLOOR ELEVATIONS IN THE FIELD AND NOTIFY THE ARCHITECT'S REPRESENTATIVE OF ANY DISCREPANCIES BEFORE START OF WORK.
4. FLOOR PLANS ARE DIMENSIONED TO ACTUAL WALL THICKNESS - TYPICAL.
5. DIMENSIONS FOLLOWED BY 2 SHOULD BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND / OR INSTALLATION OF AFFECTED WORK. NOTIFY ARCHITECT'S REPRESENTATIVE IF DISCREPANCIES ARISE BEFORE PROCEEDING WITH THE WORK.
6. INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C841. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
7. PROVIDE CONTROL JOINTS WHERE INTERIOR CMU (ON SLAB) ABUTS EXTERIOR / INTERIOR MASONRY (ON FOUNDATIONS OR FOOTINGS).
8. VERIFY QUANTITY, SIZE AND LOCATION OF ALL FLOOR, ROOF, AND WALL OPENINGS FOR MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADE. PROVIDE ALL OPENINGS SHOWN OR REQUIRED FOR THE COMPLETION OF THE WORK. PROVIDE ALL LINTELS REQUIRED FOR THESE OPENINGS PER SPECIFICATIONS.
9. REFER TO LIFE SAFETY PLANS FOR LOCATIONS OF REQUIRED FIRE RESISTANCE RATINGS. BECAUSE OF THE DRAWING SCALE OF THE LIFE SAFETY PLANS, COORDINATE THE REQUIRED FIRE RESISTANCE RATINGS WITH THOSE SHOWN ON THE REFLECTED CEILING PLANS.
10. REFER TO REFLECTED CEILING PLANS FOR EXTENSION OF PARTITION WALLS TO FLOOR OR ROOF CONSTRUCTION ABOVE AND WALL FIRE RESISTANCE RATING REQUIREMENTS.
11. REFER TO STRUCTURAL DRAWINGS FOR ALL WIND FRAME LOCATIONS AT INTERIOR AND EXTERIOR WALLS.
12. REFER TO A10, SERIES DRAWINGS FOR FLOOR FINISH PATTERNS AND ROOM FINISHES.
13. REFER TO STRUCTURAL DRAWINGS FOR ORIENTATION AND SIZES OF ALL STRUCTURAL COLUMNS.
14. REFER TO DRAWING A8, FOR TYPICAL DETAILS PERTAINING TO WALL TERMINATIONS AT STRUCTURE ABOVE AND MASONRY CONTROL JOINT DETAILS.
15. VERIFY ALL DIMENSIONS IN FIELD.
16. PROVIDE WOOD BLOCKING WITHIN STUD WALLS FOR WALL MOUNTED ITEMS i.e. GRAB BARS, TOWEL DISPENSERS, PENCIL SHARPENERS, WALL STOPS, FOLDING PARTITION JAMBS, ETC. REFER ALSO TO A8, SERIES AND A10, SERIES DRAWINGS.
17. REFER TO EXTERIOR ELEVATIONS AND PLAN DETAILS FOR LOCATIONS OF CONTROL JOINTS IN EXTERIOR WALLS.
18. WHERE SLAB DEPRESSIONS ARE INDICATED FOR WOOD FLOOR SYSTEMS, CONFIRM DEPRESSION WITH WOOD FLOORING CONTRACTOR. ADJUST DEPRESSION, AS REQUIRED, TO MEET FLUSH WITH ADJACENT FLOOR MATERIALS (i.e. CERAMIC TILE, QUARRY TILE, ETC.).



FIRST LEVEL FLOOR PLAN - ZONE 'B'  
SCALE: 1/8" = 1'-0"

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6/26/2024 9:11:44 AM

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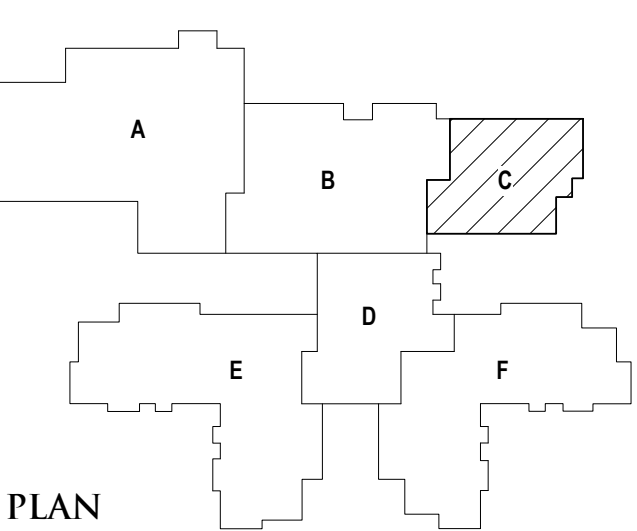
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**First Level Floor Plan - Zone 'C'**



ISSUE DATES

DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS

PROJECT NO.  
**22102**  
DRAWING NO.  
**A1.1C**

**WALL / PARTITION KEY**

- EXISTING WALL CONSTRUCTION
- METAL STUD PARTITION
- CONCRETE MASONRY UNIT WALL w/ HORIZONTAL REINFORCEMENT AT 16" OC
- CAST-IN-PLACE CONCRETE WALL (REFER TO STRUCTURAL FOR REINFORCING REQUIREMENTS)

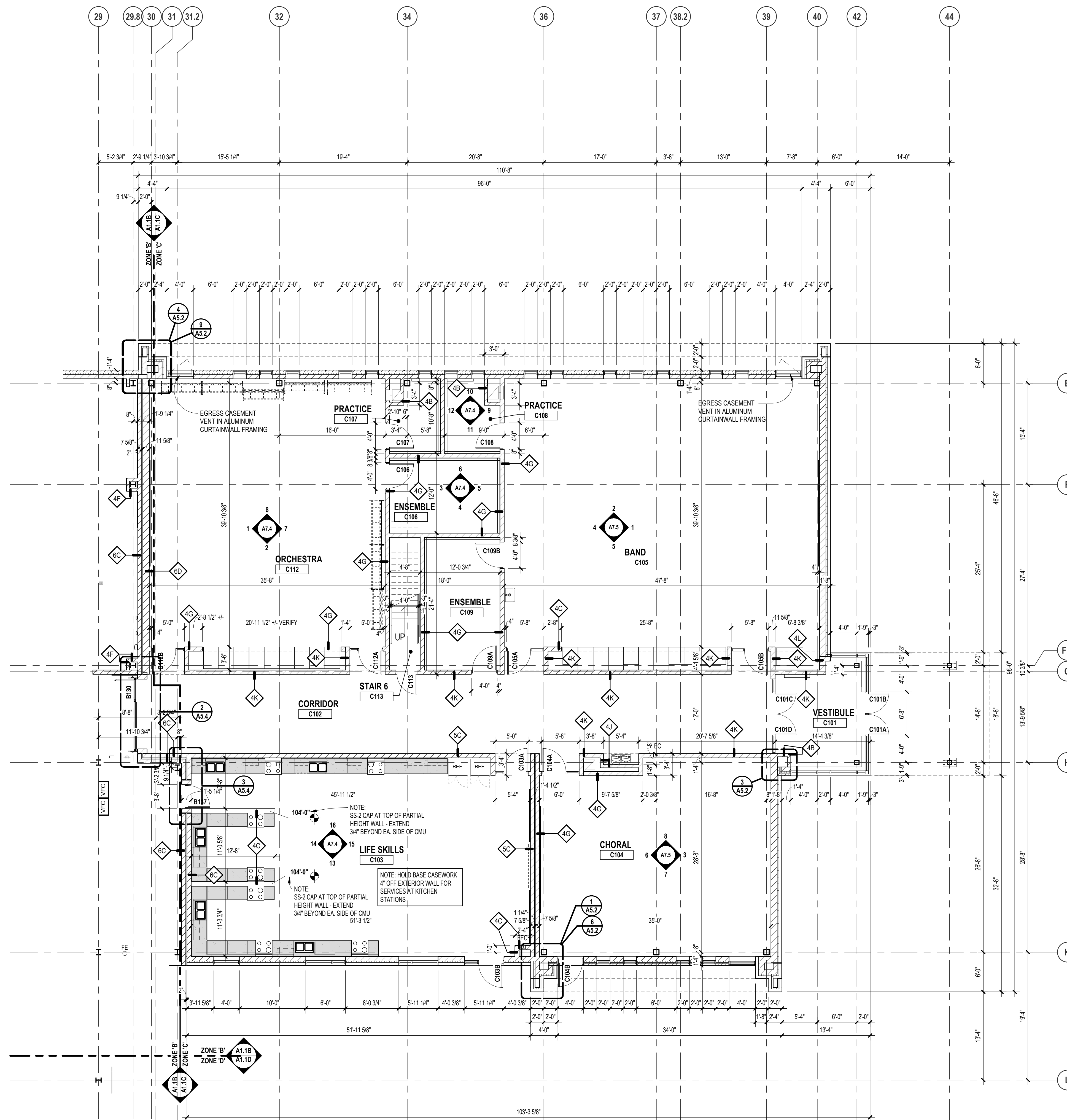
**WALL / PARTITION LEGEND**

- 1A 7/8" METAL FURRING @ 16" OC (MAX) W/ 5/8" GYP BOARD ONE SIDE TO 6" ABOVE CEILING
- 1B 2 1/2" METAL STUDS AT 16" O.C. (MAX) WITH 5/8" GYPSUM BOARD ONE SIDE. HEIGHT: FROM FLOOR TO 4" ABOVE CEILING. BRACE TO ADJACENT WALL AS REQUIRED. TYPICAL AT COLUMN ENCLOSURES
- 1C 3/8" METAL STUDS AT 16" O.C. (MAX) WITH 5/8" GYPSUM BOARD ONE SIDE. HEIGHT: FROM FLOOR TO 4" ABOVE CEILING. BRACE TO ADJACENT WALL AS REQUIRED
- 1D 6" METAL STUDS AT 16" O.C. (MAX) WITH 5/8" GYPSUM BOARD ONE SIDE. HEIGHT: FROM FLOOR TO 4" ABOVE CEILING. BRACE TO ADJACENT WALL AS REQUIRED
- 1G 3/8" METAL STUDS @ 16" O.C. (MAX) W/ 5/8" GYP BOARD ONE SIDE TO STRUCTURE ABOVE
- 1H 4" METAL STUDS @ 16" O.C. (MAX) W/ 5/8" GYP BOARD ONE SIDE TO STRUCTURE ABOVE
- 2A 3/8" METAL STUDS AT 16" O.C. (MAX) WITH 1 LAYER 5/8" GYPSUM BOARD EACH SIDE. 3" ACOUSTICAL BATT INSULATION FULL HEIGHT. HEIGHT: FROM FLOOR TO 4" ABOVE CEILING. BRACE TO ADJACENT WALLS AS REQUIRED.
- 2B 4" METAL STUDS AT 16" O.C. (MAX) WITH 1 LAYER 5/8" GYPSUM BOARD EACH SIDE. 3" ACOUSTICAL BATT INSULATION FULL HEIGHT. HEIGHT: FROM FLOOR TO 4" ABOVE CEILING. BRACE TO ADJACENT WALLS AS REQUIRED.
- 2C 3/8" METAL STUDS AT 16" O.C. (MAX) WITH 1 LAYER 5/8" GYPSUM BOARD EACH SIDE. 3" ACOUSTICAL BATT INSULATION FULL HEIGHT. HEIGHT: FROM FLOOR TO DECK ABOVE. COPE AROUND STRUCTURE. SEAL ALL GAPS AND PENETRATIONS.
- 2D 4" METAL STUDS AT 16" O.C. (MAX) WITH 1 LAYER 5/8" GYPSUM BOARD EACH SIDE. 4" ACOUSTICAL BATT INSULATION FULL HEIGHT. HEIGHT: FROM FLOOR TO DECK ABOVE. COPE AROUND STRUCTURE. SEAL ALL GAPS AND PENETRATIONS.
- 2E 6" METAL STUDS AT 16" O.C. (MAX) WITH 1 LAYER 5/8" GYPSUM BOARD EACH SIDE. 3" ACOUSTICAL BATT INSULATION FULL HEIGHT. HEIGHT: FROM FLOOR TO DECK ABOVE. COPE AROUND STRUCTURE. SEAL ALL GAPS AND PENETRATIONS. 1 HOUR RATED UL DESIGN NO. U415
- 2F 6" METAL STUDS AT 16" O.C. (MAX) WITH 1 LAYER 5/8" GYPSUM BOARD EACH SIDE. 3" ACOUSTICAL BATT INSULATION FULL HEIGHT. HEIGHT: FROM FLOOR TO DECK ABOVE. COPE AROUND STRUCTURE. SEAL ALL GAPS AND PENETRATIONS. 2 HOUR RATED UL DESIGN NO. U415
- 2G 3/8" METAL STUDS AT 16" O.C. (MAX) WITH 1 LAYER 5/8" GYPSUM BOARD EACH SIDE. 3" ACOUSTICAL BATT INSULATION FULL HEIGHT. HEIGHT: FROM FLOOR TO DECK ABOVE. COPE AROUND STRUCTURE. SEAL ALL GAPS AND PENETRATIONS. 2 HOUR RATED UL DESIGN NO. U415
- 2H 4" METAL STUDS AT 16" O.C. (MAX) WITH 2 LAYER 5/8" GYPSUM BOARD EACH SIDE. 3" ACOUSTICAL BATT INSULATION FULL HEIGHT. HEIGHT: FROM FLOOR TO DECK ABOVE. COPE AROUND STRUCTURE. SEAL ALL GAPS AND PENETRATIONS. 2 HOUR RATED UL DESIGN NO. U415
- 2I 3/8" METAL STUDS @ 16" O.C. (MAX) W/ 5/8" GYP BOARD BOTH SIDES TO STRUCTURE ABOVE. SMOKE TIGHT
- 2K 4" METAL STUDS @ 16" O.C. (MAX) W/ 5/8" GYP BOARD BOTH SIDES TO STRUCTURE ABOVE. SMOKE TIGHT
- 2N 6" METAL STUDS AT 16" O.C. (MAX) WITH 1 LAYER 5/8" GYPSUM BOARD EACH SIDE. 4" ACOUSTICAL BATT INSULATION FULL HEIGHT. HEIGHT: FROM FLOOR TO DECK ABOVE. COPE AROUND STRUCTURE. SEAL ALL GAPS AND PENETRATIONS.
- 2P 6" METAL STUDS AT 16" O.C. (MAX) WITH 1 LAYER 5/8" GYPSUM BOARD ON ONE SIDE. & 1 LAYER 3/4" FINISH GRADE PLYWOOD ON OTHER SIDE. 4" ACOUSTICAL BATT INSULATION FULL HEIGHT. HEIGHT: FROM FLOOR TO DECK ABOVE. COPE AROUND STRUCTURE. SEAL ALL GAPS AND PENETRATIONS.
- 3A 4" CH METAL STUDS @ 24" OC W/ 5/8" GYP BOARD ONE SIDE AND 1" GYP BOARD LINER TO STRUCTURE ABOVE. 1 HOUR RATED UL DESIGN NO. U415
- 3B 6" CH METAL STUDS @ 24" OC W/ 5/8" GYP BOARD ONE SIDE AND 1" GYP BOARD LINER TO STRUCTURE ABOVE. 1 HOUR RATED UL DESIGN NO. U415

- NOTES:**
- 1. COORDINATE WITH THE REFLECTED CEILING PLANS FOR RATED WALLS. WALLS WHICH EXTEND UP TO THE STRUCTURE ABOVE AND WALLS WHICH EXTEND ONLY A MINIMUM OF 4" ABOVE THE ADJACENT HIGHEST CEILING. DIMENSIONS OF WALLS ARE SHOWN ACTUAL U.O. IN PLAN FOR DETERMINING THE CMU THICKNESS. REFER TO BUILDING SECTIONS, WALL SECTIONS AND INTERIOR ELEVATIONS FOR BANKING OF SPECIAL CMU TYPES OR ANY OTHER SPECIAL CONDITIONS. PARTIAL HEIGHT CMU WALLS WILL BE NOTED AS SUCH ON THE FLOOR PLANS.
  - 2. REFER TO MASONRY SPECIFICATION FOR VERTICAL REINFORCEMENT AND WALL BRACING NOT INDICATED ON DRAWINGS.
  - 3. AT FIRE-RATED AND SMOKE-RESISTING WALLS (MASONRY OR GYPSUM BOARD), PROVIDE U.L. APPROVED, FIRE-RATED, HEAD-OF-WALL TERMINATIONS AS INDICATED. IF NOT INDICATED, PROVIDE "BASIS OF DESIGN" HEAD-OF-WALL FIRESTOP JOINT SYSTEM AS INDICATED IN SPECIFICATION SECTION 07 646 (1 OR 2 HOUR AS APPROPRIATE). PROVIDE MINIMUM 1 HOUR TERMINATION AT SMOKE-RESISTING WALLS.
  - 4. PROVIDE BULLNOSE CMU UNITS AT ALL OUTSIDE CORNERS WHEN CORNERS ARE EXPOSED IN FINAL CONSTRUCTION. DO NOT BULLNOSE CORNERS WHEN ABUTTING CONSTRUCTION (i.e. GYPSUM BOARD) IS INTENDED TO BE FLUSH WITH CMU.
  - 5. ALL GYPSUM WALLS TO RECEIVE ABUSE RESISTANT GYPSUM BOARD BELOW 4'-0" AFF. TYPICAL.
  - 6. WHERE FINISH PANELS (A10 SERIES DRAWINGS) CALL FOR WALL TILE, PROVIDE CEMENT BOARD SUBSTRATE IN LIEU OF GYPSUM BOARD.
  - 7. ALL DOORS LOCATED 4" FROM JAMB TO ADJACENT WALL UNLESS OTHERWISE INDICATED.

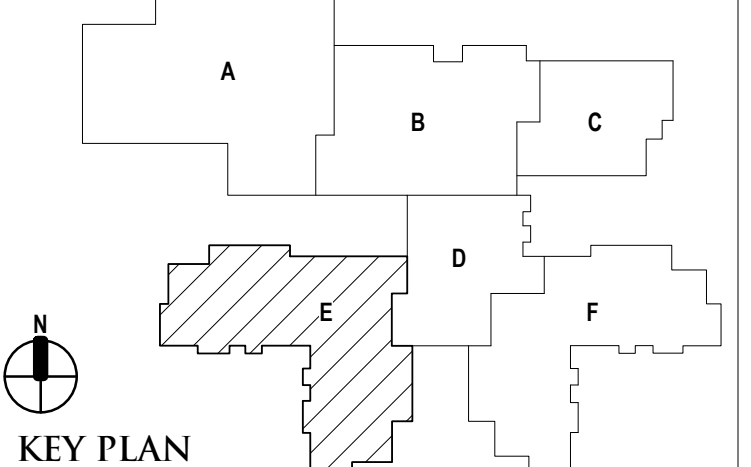
**GENERAL NOTES**

- 1. COORDINATE SIZE AND LOCATION OF ALL CONCRETE HOUSEKEEPING PADS AND / OR EQUIPMENT SUPPORTS WITH APPROPRIATE EQUIPMENT MANUFACTURER.
- 2. COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY EACH TRADE. ALL LOCATIONS MUST BE COORDINATED AND APPROVED BY THE ARCHITECT'S FIELD REPRESENTATIVE.
- 3. CONTRACTORS SHALL VERIFY ALL EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS AND FLOOR ELEVATIONS IN THE FIELD AND NOTIFY THE ARCHITECTS REPRESENTATIVE OF ANY DISCREPANCIES BEFORE THE START OF WORK.
- 4. FLOOR PLANS ARE DIMENSIONED TO ACTUAL WALL THICKNESS - TYPICAL.
- 5. DIMENSIONS FOLLOWED BY # SHOULD BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND / OR INSTALLATION OF AFFECTED WORK. NOTIFY ARCHITECT'S REPRESENTATIVE IF DISCREPANCIES ARISE BEFORE PROCEEDING WITH THE WORK.
- 6. INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C841. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
- 7. PROVIDE CONTROL JOINTS WHERE INTERIOR CMU (ON SLAB) ABUTS EXTERIOR / INTERIOR MASONRY (ON FOUNDATIONS OR FOOTINGS).
- 8. VERIFY QUANTITY, SIZE AND LOCATION OF ALL FLOOR, ROOF, AND WALL OPENINGS FOR MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADE. PROVIDE ALL OPENINGS SHOWN OR REQUIRED FOR THE COMPLETION OF THE WORK. PROVIDE ALL LINTELS REQUIRED FOR THESE OPENINGS PER SPECIFICATIONS.
- 9. REFER TO LIFE SAFETY PLANS FOR LOCATIONS OF REQUIRED FIRE RESISTANCE RATINGS. BECAUSE OF THE DRAWING SCALE OF THE LIFE SAFETY PLANS, COORDINATE THE REQUIRED FIRE RESISTANCE RATINGS WITH THOSE SHOWN ON THE REFLECTED CEILING PLANS.
- 10. REFER TO REFLECTED CEILING PLANS FOR EXTENSION OF PARTITION WALLS TO FLOOR OR ROOF CONSTRUCTION ABOVE AND WALL FIRE RESISTANCE RATING REQUIREMENTS.
- 11. REFER TO STRUCTURAL DRAWINGS FOR ALL WIND FRAME LOCATIONS AT INTERIOR AND EXTERIOR WALLS.
- 12. REFER TO A10, SERIES DRAWINGS FOR FLOOR FINISH PATTERNS AND ROOM FINISHES.
- 13. REFER TO STRUCTURAL DRAWINGS FOR ORIENTATION AND SIZES OF ALL STRUCTURAL COLUMNS.
- 14. REFER TO DRAWING A6, FOR TYPICAL DETAILS PERTAINING TO WALL TERMINATIONS AT STRUCTURE ABOVE AND MASONRY CONTROL JOINT DETAILS.
- 15. VERIFY ALL DIMENSIONS IN FIELD.
- 16. PROVIDE WOOD BLOCKING WITHIN STUD WALLS FOR WALL MOUNTED ITEMS i.e. GRAB BARS, TOWEL DISPENSERS, PENCIL SHARPENERS, WALL STOPS, FOLDING PARTITION JAMBS, ETC. REFER ALSO TO A8, SERIES AND A4, SERIES DRAWINGS.
- 17. REFER TO EXTERIOR ELEVATIONS AND PLAN DETAILS FOR LOCATIONS OF CONTROL JOINTS IN EXTERIOR WALLS.
- 18. WHERE SLAB DEPRESSIONS ARE INDICATED FOR WOOD FLOOR SYSTEMS, CONFIRM DEPRESSION WITH WOOD FLOORING CONTRACTOR. ADJUST DEPRESSION, AS REQUIRED, TO MEET FLUSH WITH ADJACENT FLOOR MATERIALS (i.e. CERAMIC TILE, QUARRY TILE, ETC.).



FIRST LEVEL FLOOR PLAN - ZONE 'C'  
SCALE: 1/8" = 1'-0"





ISSUE DATES

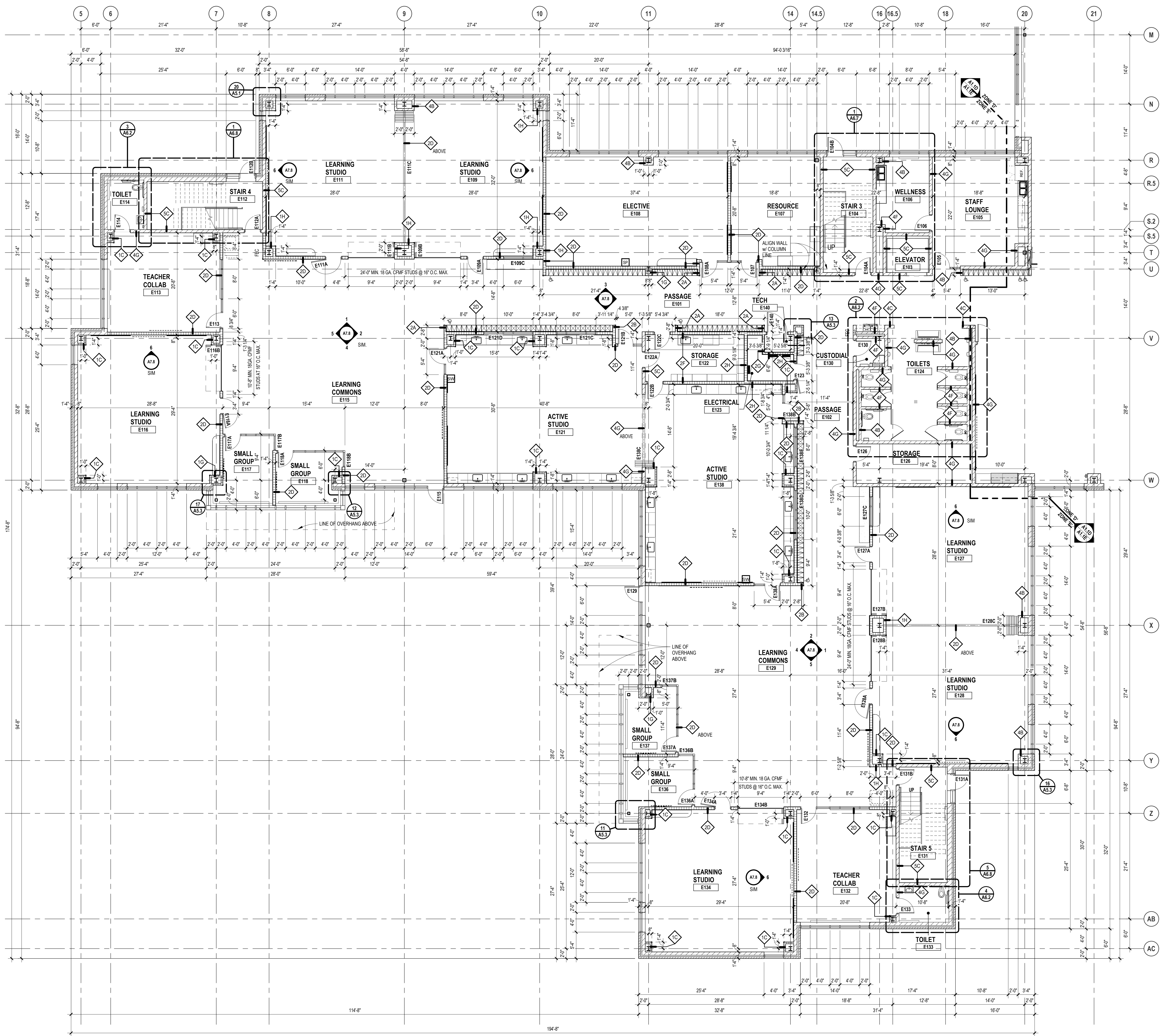
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06-18-2024	CONSTRUCTION DOCUMENTS
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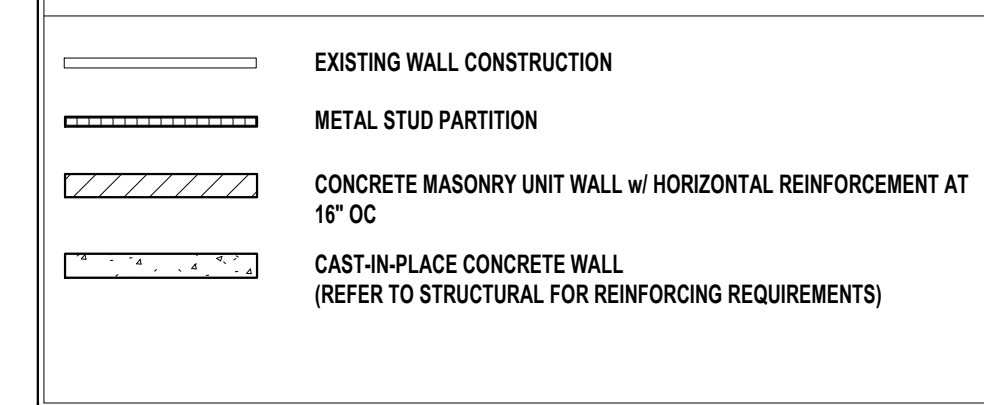
**22102**

DRAWING NO.

**A1.1E**



WALL / PARTITION KEY



WALL / PARTITION LEGEND

- 1A 7/8" METAL FURRING @ 16" O.C. (MAX) W/ 5/8" GYP BOARD ONE SIDE TO 6" ABOVE CEILING
- 1B 2 1/2" METAL STUDS @ 16" O.C. (MAX) WITH 5/8" GYP BOARD ONE SIDE. HEIGHT: FROM FLOOR TO 4" ABOVE CEILING. BRACE TO ADJACENT WALL AS REQUIRED. TYPICAL AT COLUMN ENCLOSURES
- 1C 3/8" METAL STUDS @ 16" O.C. (MAX) WITH 5/8" GYP BOARD ONE SIDE. HEIGHT: FROM FLOOR TO 4" ABOVE CEILING. BRACE TO ADJACENT WALL AS REQUIRED
- 1D 6" METAL STUDS @ 16" O.C. (MAX) WITH 5/8" GYP BOARD ONE SIDE. HEIGHT: FROM FLOOR TO 4" ABOVE CEILING. BRACE TO ADJACENT WALL AS REQUIRED
- 1E 3/8" METAL STUDS @ 16" O.C. (MAX) W/ 5/8" GYP BOARD ONE SIDE TO STRUCTURE ABOVE
- 1F 4" METAL STUDS @ 16" O.C. (MAX) W/ 5/8" GYP BOARD ONE SIDE TO STRUCTURE ABOVE
- 2A 3/8" METAL STUDS @ 16" O.C. (MAX) WITH 1 LAYER 5/8" GYP BOARD EACH SIDE. 3" ACOUSTICAL BATT INSULATION FULL HEIGHT. HEIGHT: FROM FLOOR TO 4" ABOVE CEILING. BRACE TO ADJACENT WALLS AS REQUIRED.
- 2B 4" METAL STUDS @ 16" O.C. (MAX) WITH 1 LAYER 5/8" GYP BOARD EACH SIDE. 3" ACOUSTICAL BATT INSULATION FULL HEIGHT. HEIGHT: FROM FLOOR TO 4" ABOVE CEILING. BRACE TO ADJACENT WALLS AS REQUIRED.
- 2C 3/8" METAL STUDS @ 16" O.C. (MAX) WITH 1 LAYER 5/8" GYP BOARD EACH SIDE. 3" ACOUSTICAL BATT INSULATION FULL HEIGHT. HEIGHT: FROM FLOOR TO DECK ABOVE. COPE AROUND STRUCTURE. SEAL ALL GAPS AND PENETRATIONS.
- 2D 4" METAL STUDS @ 16" O.C. (MAX) WITH 1 LAYER 5/8" GYP BOARD EACH SIDE. 6" ACOUSTICAL BATT INSULATION FULL HEIGHT. HEIGHT: FROM FLOOR TO DECK ABOVE. COPE AROUND STRUCTURE. SEAL ALL GAPS AND PENETRATIONS.
- 2F 6" METAL STUDS @ 16" O.C. (MAX) WITH 1 LAYER 5/8" GYP BOARD EACH SIDE. 3" ACOUSTICAL BATT INSULATION FULL HEIGHT. HEIGHT: FROM FLOOR TO DECK ABOVE. COPE AROUND STRUCTURE. SEAL ALL GAPS AND PENETRATIONS. 2 HOUR RATED UL DESIGN NO. U411
- 2G 6" METAL STUDS @ 16" O.C. (MAX) WITH 1 LAYER 5/8" GYP BOARD EACH SIDE. 3" ACOUSTICAL BATT INSULATION FULL HEIGHT. HEIGHT: FROM FLOOR TO DECK ABOVE. COPE AROUND STRUCTURE. SEAL ALL GAPS AND PENETRATIONS. 2 HOUR RATED UL DESIGN NO. U411
- 2H 6" METAL STUDS @ 16" O.C. (MAX) WITH 1 LAYER 5/8" GYP BOARD EACH SIDE. 3" ACOUSTICAL BATT INSULATION FULL HEIGHT. HEIGHT: FROM FLOOR TO DECK ABOVE. COPE AROUND STRUCTURE. SEAL ALL GAPS AND PENETRATIONS. 2 HOUR RATED UL DESIGN NO. U411
- 2I 3/8" METAL STUDS @ 16" O.C. (MAX) W/ 5/8" GYP BOARD BOTH SIDES TO STRUCTURE ABOVE. SMOKE TIGHT
- 2K 4" METAL STUDS @ 16" O.C. (MAX) W/ 5/8" GYP BOARD BOTH SIDES TO STRUCTURE ABOVE. SMOKE TIGHT
- 2N 6" METAL STUDS @ 16" O.C. (MAX) WITH 1 LAYER 5/8" GYP BOARD EACH SIDE. 6" ACOUSTICAL BATT INSULATION FULL HEIGHT. HEIGHT: FROM FLOOR TO DECK ABOVE. COPE AROUND STRUCTURE. SEAL ALL GAPS AND PENETRATIONS.
- 2P 6" METAL STUDS @ 16" O.C. (MAX) WITH 1 LAYER 5/8" GYP BOARD ON ONE SIDE & 1 LAYER 3/4" FINISH GRADE PLYWOOD ON OTHER SIDE. 6" ACOUSTICAL BATT INSULATION FULL HEIGHT. HEIGHT: FROM FLOOR TO DECK ABOVE. COPE AROUND STRUCTURE. SEAL ALL GAPS AND PENETRATIONS.
- 3A 4" CM METAL STUDS @ 24" OC W/ 5/8" GYP BOARD ONE SIDE AND 1" GYP BOARD LINER TO STRUCTURE ABOVE. 1 HOUR RATED UL DESIGN NO. U415
- 3B 6" CM METAL STUDS @ 24" OC W/ 5/8" GYP BOARD ONE SIDE AND 1" GYP BOARD LINER TO STRUCTURE ABOVE. 1 HOUR RATED UL DESIGN NO. U415

NOTES

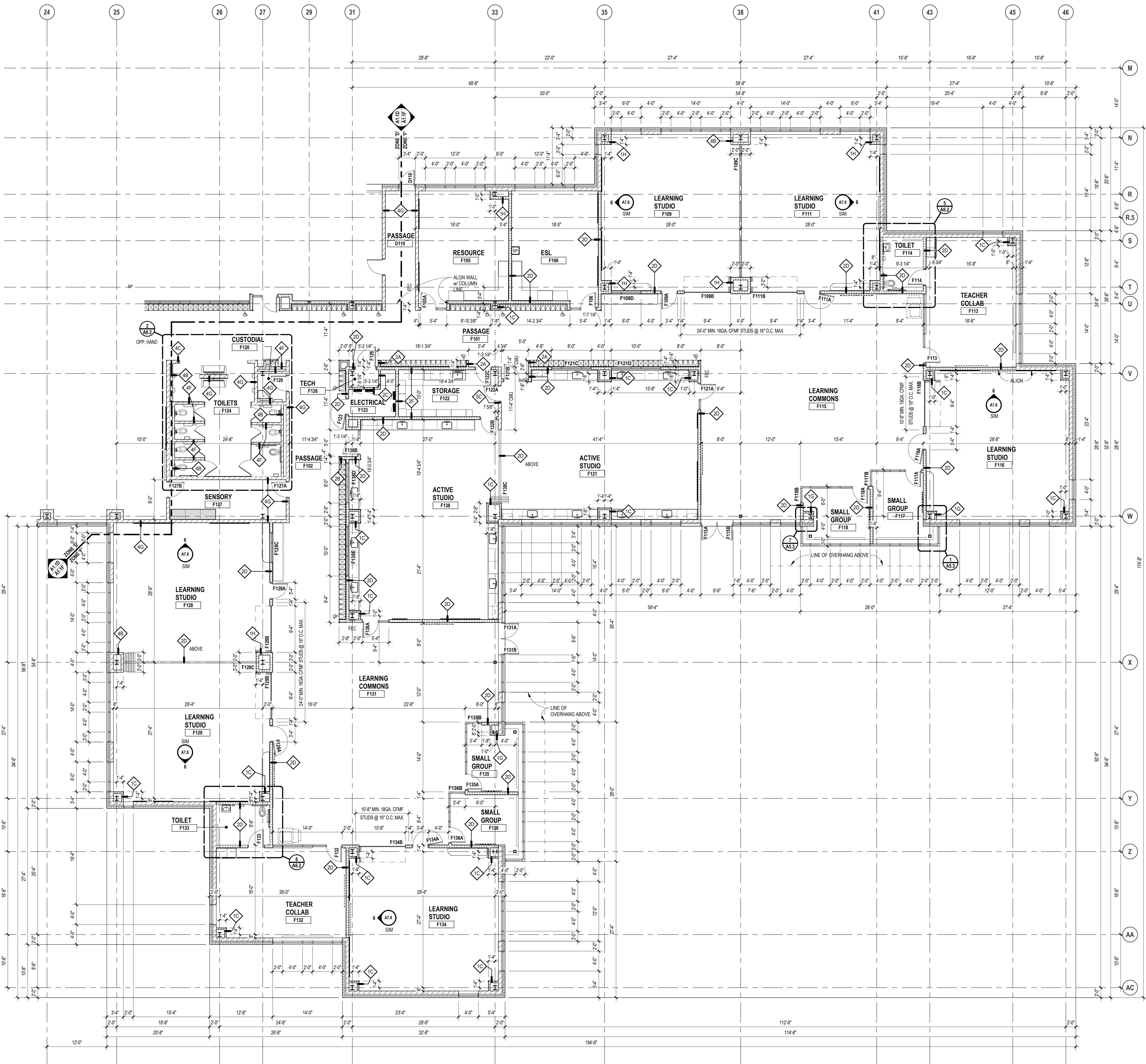
1. COORDINATE WITH THE REFLECTED CEILING PLANS FOR RATED WALLS. WALLS WHICH EXTEND UP TO THE STRUCTURE ABOVE AND WALLS WHICH ARE ONLY A MINIMUM OF 4" ABOVE THE ADJACENT HIGHEST CEILING. DIMENSIONS OF WALLS ARE SHOWN ACTUAL U.O. IN PLAN FOR DETERMINING THE CMU THICKNESS. REFER TO BUILDING SECTIONS, WALL SECTIONS AND INTERIOR ELEVATIONS FOR BRANDING OF SPECIAL CMU TYPES OR ANY OTHER SPECIAL CONDITIONS. PARTIAL HEIGHT CMU WALLS WILL BE NOTED AS SUCH ON THE FLOOR PLANS.
2. REFER TO MASONRY SPECIFICATION FOR VERTICAL REINFORCEMENT AND WALL BRACING NOT INDICATED ON DRAWINGS.
3. AT FIRE-RATED AND SMOKE-RESISTING WALLS (MASONRY OR GYPSUM BOARD), PROVIDE U.L. APPROVED, FIRE-RATED, HEAD-OF-WALL TERMINATIONS AS INDICATED. IF NOT INDICATED, PROVIDE "BASIS OF DESIGN" HEAD-OF-WALL FIRESTOP SYSTEM AS INDICATED IN SPECIFICATION SECTION 07460 (1 OR 2 HOUR AS APPROPRIATE). PROVIDE MINIMUM 1 HOUR TERMINATION AT SMOKE-RESISTING WALLS.
4. PROVIDE BULLNOSE CMU UNITS AT ALL OUTSIDE CORNERS WHEN CORNERS ARE EXPOSED IN FINAL CONSTRUCTION. DO NOT BULLNOSE CORNERS WHEN ABUTTING CONSTRUCTION (i.e. GYPSUM BOARD) IS INTENDED TO BE FLUSH WITH CMU.
5. ALL GYPSUM WALLS TO RECEIVE ABUSE RESISTANT GYPSUM BOARD BELOW 4'-0" AFF, TYPICAL.
6. WHERE FINISH PLANS (A10 SERIES DRAWINGS) CALL FOR WALL TILE. PROVIDE CEMENT BOARD SUBSTRATE IN LIEU OF GYPSUM BOARD.
7. ALL DOORS LOCATED 4" FROM JAMB TO ADJACENT WALL UNLESS OTHERWISE INDICATED.

GENERAL NOTES

1. COORDINATE SIZE AND LOCATION OF ALL CONCRETE HOUSEKEEPING PADS AND / OR EQUIPMENT SUPPORTS WITH APPROPRIATE MANUFACTURER.
2. COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY EACH TRADE. ALL LOCATIONS MUST BE COORDINATED AND APPROVED BY THE ARCHITECT'S FIELD REPRESENTATIVE.
3. CONTRACTORS SHALL VERIFY ALL EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS, AND FLOOR ELEVATIONS IN THE FIELD AND NOTIFY THE ARCHITECT'S REPRESENTATIVE OF ANY DISCREPANCIES BEFORE START OF WORK.
4. FLOOR PLANS ARE DIMENSIONED TO ACTUAL WALL THICKNESS - TYPICAL.
5. DIMENSIONS FOLLOWED BY ± SHOULD BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND / OR INSTALLATION ON AFFECTED WORK. NOTIFY ARCHITECT'S REPRESENTATIVE IF DISCREPANCIES ARISE BEFORE PROCEEDING WITH THE WORK.
6. INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C841. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
7. PROVIDE CONTROL JOINTS WHERE INTERIOR CMU (ON SLAB) ABUTS EXTERIOR / INTERIOR MASONRY (ON FOUNDATIONS OR FOOTINGS).
8. VERIFY QUANTITY, SIZE AND LOCATION OF ALL FLOOR, ROOF, AND WALL OPENINGS FOR MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADE. PROVIDE ALL OPENINGS SHOWN OR REQUIRED FOR THE COMPLETION OF THE WORK. PROVIDE ALL LINTELS REQUIRED FOR THESE OPENINGS PER SPECIFICATIONS.
9. REFER TO LIFE SAFETY PLANS FOR LOCATIONS OF REQUIRED FIRE RESISTANCE RATINGS, BECAUSE OF THE DRAWING SCALE OF THE LIFE SAFETY PLANS, COORDINATE THE REQUIRED FIRE RESISTANCE RATINGS WITH THOSE SHOWN ON THE REFLECTED CEILING PLANS.
10. REFER TO REFLECTED CEILING PLANS FOR EXTENSION OF PARTITION WALLS TO FLOOR OR ROOF CONSTRUCTION ABOVE AND WALL FIRE RESISTANCE RATING REQUIREMENTS.
11. REFER TO STRUCTURAL DRAWINGS FOR ALL WIND FRAME LOCATIONS AT INTERIOR AND EXTERIOR WALLS.
12. REFER TO A10. SERIES DRAWINGS FOR FLOOR FINISH PATTERNS AND ROOM FINISHES.
13. REFER TO STRUCTURAL DRAWINGS FOR ORIENTATION AND SIZES OF ALL STRUCTURAL COLUMNS.
14. REFER TO DRAWING A8. FOR TYPICAL DETAILS PERTAINING TO WALL TERMINATIONS AT STRUCTURE ABOVE AND MASONRY CONTROL JOINT DETAILS.
15. VERIFY ALL DIMENSIONS IN FIELD.
16. PROVIDE WOOD BLOCKING WITHIN STUD WALLS FOR WALL MOUNTED ITEMS i.e. GRAB BARS, TOWEL DISPENSERS, PENCIL SHARPENERS, WALL STOPS, FOLDING PARTITION JAMBS, ETC. REFER ALSO TO A8. SERIES AND A10. SERIES DRAWINGS.
17. REFER TO EXTERIOR ELEVATIONS AND PLAN DETAILS FOR LOCATIONS OF CONTROL JOINTS IN EXTERIOR WALLS.
18. WHERE SLAB DEPRESSIONS ARE INDICATED FOR WOOD FLOOR SYSTEMS, CONFIRM DEPRESSION WITH WOOD FLOORING CONTRACTOR. ADJUST DEPRESSION, AS REQUIRED, TO MEET FLUSH WITH ADJACENT FLOOR MATERIALS (i.e. CERAMIC TILE, QUARRY TILE, ETC).

FIRST LEVEL FLOOR PLAN - ZONE 'E'  
 SCALE: 1/8" = 1'-0"

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**WALL / PARTITION KEY**

	EXISTING WALL CONSTRUCTION
	METAL STUD PARTITION
	CONCRETE MASONRY UNIT WALL w/ HORIZONTAL REINFORCEMENT AT 16\"/>
	CAST-IN-PLACE CONCRETE WALL (REFER TO STRUCTURAL FOR REINFORCING REQUIREMENTS)

**WALL / PARTITION LEGEND**

- 1A 7/8\"/>
- 1B 1/2\"/>
- 1C 3/8\"/>
- 1D 6\"/>
- 1E 3/8\"/>
- 1F 1/2\"/>
- 2A 3/8\"/>
- 2B 4\"/>
- 2C 3/8\"/>
- 2D 6\"/>
- 2E 6\"/>
- 2F 6\"/>
- 2G 3/8\"/>
- 2H 4\"/>
- 2I 4\"/>
- 2J 3/8\"/>
- 2K 4\"/>
- 2L 6\"/>
- 2M 6\"/>
- 2N 6\"/>
- 2O 6\"/>
- 2P 6\"/>
- 2Q 4\"/>
- 2R 6\"/>

- NOTES:**
1. COORDINATE WITH THE REFLECTED CEILING PLANS FOR RATED WALLS. WALLS WHICH EXTEND UP TO THE STRUCTURE ABOVE AND WALLS WHICH EXTEND ONLY A MINIMUM OF 4' ABOVE THE ADJACENT HIGHEST CEILING. DIMENSIONS OF WALLS ARE SHOWN ACTUAL U.I.O. IN PLAN FOR DETERMINING THE CMU THICKNESS. REFER TO BUILDING SECTIONS, WALL SECTIONS AND INTERIOR ELEVATIONS FOR SMOOTH CMU TYPES OR ANY OTHER SPECIAL CONDITIONS. PARTIAL HEIGHT CMU WALLS WILL BE NOTED AS SUCH ON THE FLOOR PLANS.
  2. REFER TO MASONRY SPECIFICATION FOR VERTICAL REINFORCEMENT AND WALL BRACING NOT INDICATED ON DRAWINGS.
  3. AT FIRE-RATED AND SMOKE-RESISTING WALLS (MASONRY OR GYPSUM BOARD), PROVIDE U.L. APPROVED, FIRE-RATED, HEAD-OF-WALL TERMINATIONS AS INDICATED. IF NOT INDICATED, PROVIDE "BASIS OF DESIGN" HEAD-OF-WALL FINISH SYSTEM AS INDICATED IN SPECIFICATION SECTION 07 8406 (1 OR 2 HOUR AS APPROPRIATE). PROVIDE MINIMUM 1 HOUR TERMINATION AT SMOKE-RESISTING WALLS.
  4. PROVIDE BULLNOSE CMU UNITS AT ALL OUTSIDE CORNERS WHEN CORNERS ARE EXPOSED IN FINAL CONSTRUCTION. DO NOT BULLNOSE CORNERS WHEN ABUTTING CONSTRUCTION (i.e. GYPSUM BOARD) IS INTENDED TO BE FLUSH WITH CMU.
  5. ALL GYPSUM WALLS TO RECEIVE ABUSE RESISTANT GYPSUM BOARD BELOW 4'-0\"/>
  6. WHERE FINISH PANELS (A10 SERIES DRAWINGS) CALL FOR WALL TILE, PROVIDE CEMENT BOARD SUBSTRATE IN LIEU OF GYPSUM BOARD.
  7. ALL DOORS LOCATED 4\"/>

- GENERAL NOTES**
1. COORDINATE SIZE AND LOCATION OF ALL CONCRETE HOUSEKEEPING PADS AND / OR EQUIPMENT SUPPORTS WITH APPROPRIATE EQUIPMENT MANUFACTURER.
  2. COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY EACH TRADE. ALL LOCATIONS MUST BE COORDINATED AND APPROVED BY THE ARCHITECT'S FIELD REPRESENTATIVE.
  3. CONTRACTORS SHALL VERIFY ALL EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS AND FLOOR ELEVATIONS IN THE FIELD AND NOTIFY THE ARCHITECTS REPRESENTATIVE OF ANY DISCREPANCIES BEFORE START OF WORK.
  4. FLOOR PLANS ARE DIMENSIONED TO ACTUAL WALL THICKNESS - TYPICAL.
  5. DIMENSIONS FOLLOWED BY ± SHOULD BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND / OR INSTALLATION OF AFFECTED WORK. NOTIFY ARCHITECTS REPRESENTATIVE IF DISCREPANCIES ARISE BEFORE PROCEEDING WITH THE WORK.
  6. INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C841. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
  7. PROVIDE CONTROL JOINTS WHERE INTERIOR CMU (ON SLAB) ABUTS EXTERIOR / INTERIOR MASONRY (ON FOUNDATIONS OR FOOTINGS).
  8. VERIFY QUANTITY, SIZE AND LOCATION OF ALL FLOOR, ROOF, AND WALL OPENINGS FOR MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADE. PROVIDE ALL OPENINGS SHOWN OR REQUIRED FOR THE COMPLETION OF THE WORK. PROVIDE ALL LINTELS REQUIRED FOR THESE OPENINGS PER SPECIFICATIONS.
  9. REFER TO LIFE SAFETY PLANS FOR LOCATIONS OF REQUIRED FIRE RESISTANCE RATINGS. BECAUSE OF THE DRAWING SCALES OF THE LIFE SAFETY PLANS, COORDINATE THE REQUIRED FIRE RESISTANCE RATINGS WITH THOSE SHOWN ON THE REFLECTED CEILING PLANS.
  10. REFER TO REFLECTED CEILING PLANS FOR EXTENSION OF PARTITION WALLS TO FLOOR OR ROOF CONSTRUCTION ABOVE AND WALL FIRE RESISTANCE RATING REQUIREMENTS.
  11. REFER TO STRUCTURAL DRAWINGS FOR ALL WIND FRAME LOCATIONS AT INTERIOR AND EXTERIOR WALLS.
  12. REFER TO A10, SERIES DRAWINGS FOR FLOOR FINISH PATTERNS AND ROOM FINISHES.
  13. REFER TO STRUCTURAL DRAWINGS FOR ORIENTATION AND SIZES OF ALL STRUCTURAL COLUMNS.
  14. REFER TO DRAWING A8, FOR TYPICAL DETAILS PERTAINING TO WALL TERMINATIONS AT STRUCTURE ABOVE AND MASONRY CONTROL JOINT DETAILS.
  15. VERIFY ALL DIMENSIONS IN FIELD.
  16. PROVIDE WOOD BLOCKING WITHIN STUD WALLS FOR WALL MOUNTED ITEMS i.e. GRAB BARS, TOWEL DISPENSERS, PENCIL SHARPENERS, WALL STOPS, FOLDING PARTITION JAMBS, ETC. REFER ALSO TO A8, SERIES AND A10, SERIES DRAWINGS.
  17. REFER TO EXTERIOR ELEVATIONS AND PLAN DETAILS FOR LOCATIONS OF CONTROL JOINTS IN EXTERIOR WALLS.
  18. WHERE SLAB DEPRESSIONS ARE INDICATED FOR WOOD FLOOR SYSTEMS, CONFIRM DEPRESSION WITH WOOD FLOORING CONTRACTOR. ADJUST DEPRESSION, AS REQUIRED, TO MEET FLUSH WITH ADJACENT FLOOR MATERIALS (i.e. CERAMIC TILE, QUARRY TILE, ETC.).



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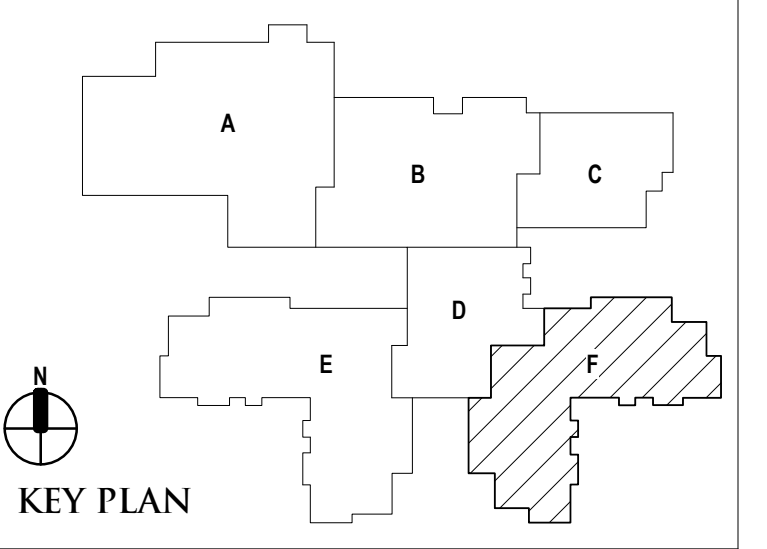
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**First Level Floor Plan - Zone 'F'**



ISSUE DATES

06-18-2024	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:
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CHECKED	jw
APPROVED	dl

PROJECT NO.  
**22102**  
DRAWING NO.  
**A1.1F**

**FIRST LEVEL FLOOR PLAN - ZONE 'F'**  
SCALE: 1/8" = 1'-0"

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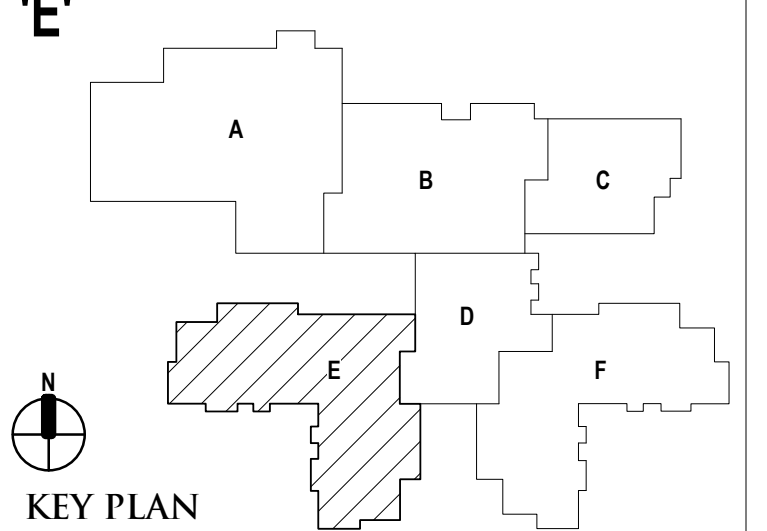
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Second Level Floor Plan - Zone 'E'**



ISSUE DATES

06-18-2024	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:
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CHECKED	ju
APPROVED	dt

PROJECT NO.  
**22102**  
DRAWING NO.  
**A1.2E**

WALL / PARTITION KEY

- EXISTING WALL CONSTRUCTION
- METAL STUD PARTITION
- 
- 

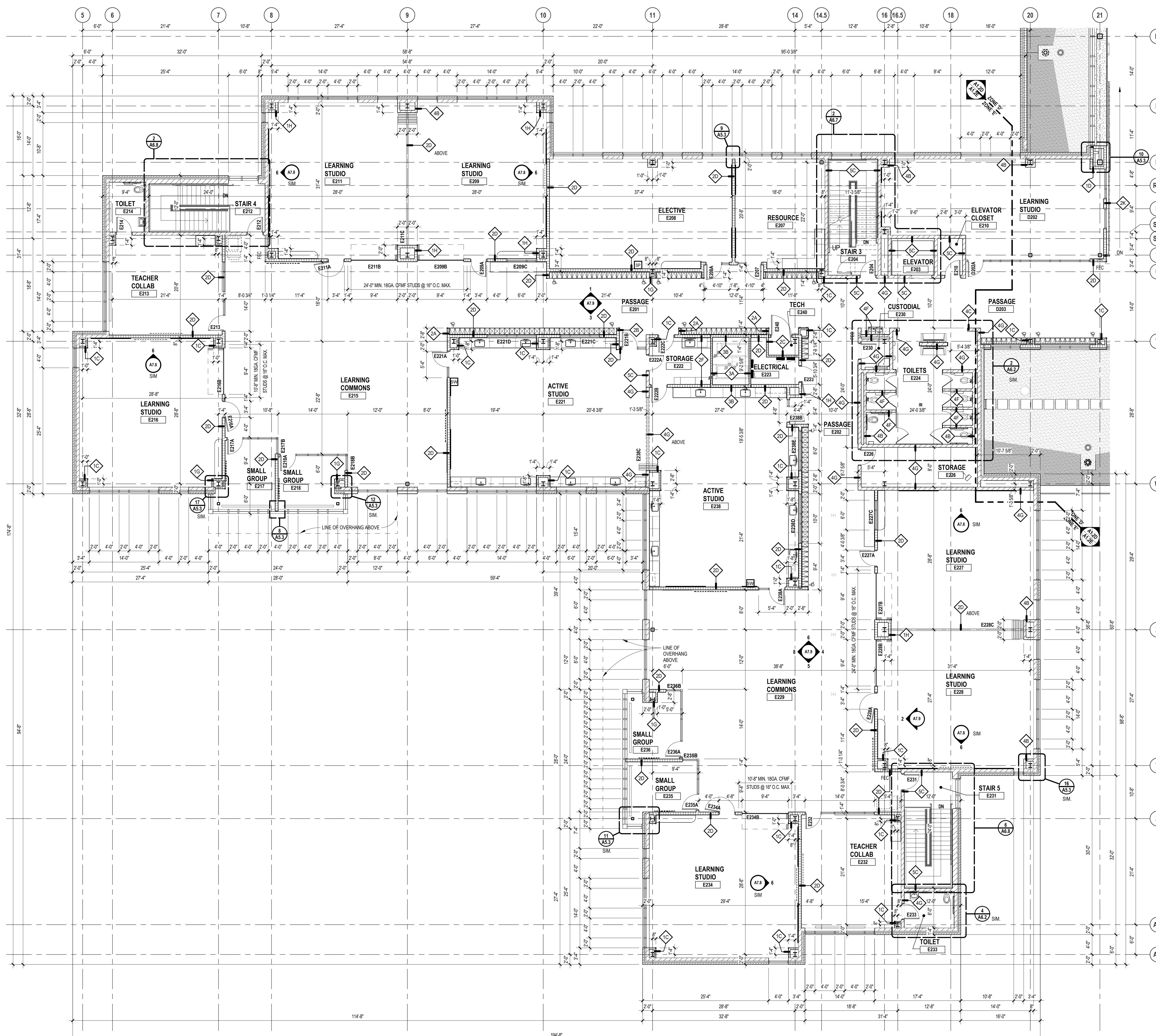
WALL / PARTITION LEGEND

- 1A 7/8\"/>
- 1B 2 1/2\"/>
- 1C 3/8\"/>
- 1D 6\"/>
- 1E 3/8\"/>
- 1F 3/8\"/>
- 1G 3/8\"/>
- 2B 4\"/>
- 2C 4\"/>
- 2D 6\"/>
- 2E 6\"/>
- 2F 6\"/>
- 2G 3/8\"/>
- 2H 6\"/>
- 2I 3/8\"/>
- 2K 6\"/>
- 2L 6\"/>
- 2P 6\"/>
- 3A 4\"/>
- 3B 6\"/>

- NOTES:
1. COORDINATE WITH THE REFLECTED CEILING PLANS FOR RATED WALLS. WALLS WHICH EXTEND UP TO THE STRUCTURE ABOVE AND WALLS WHICH EXTEND ONLY A MINIMUM OF 4' ABOVE THE ADJACENT HIGHEST CEILING. DIMENSIONS OF WALLS ARE SHOWN ACTUAL U.I.O. IN PLAN FOR DETERMINING THE CMU THICKNESS. REFER TO BUILDING SECTIONS, WALL SECTIONS AND INTERIOR OR ELEVATIONS FOR FINISHING OR SPECIAL CMU TYPES OR ANY OTHER SPECIAL CONDITIONS. PARTIAL HEIGHT CMU WALLS WILL BE NOTED AS SUCH ON THE FLOOR PLANS.
  2. REFER TO MASONRY SPECIFICATION FOR VERTICAL REINFORCEMENT AND WALL BRACING NOT INDICATED ON DRAWINGS.
  3. AT FIRE-RATED AND SMOKE-RESISTING WALLS (MASONRY OR GYPSUM BOARD), PROVIDE U.L. APPROVED, FIRE-RATED, HEAD-OF-WALL TERMINATIONS AS INDICATED. IF NOT INDICATED, PROVIDE "BASIS OF DESIGN" HEAD-OF-WALL FIRESTOP JOINT SYSTEM AS INDICATED IN SPECIFICATION SECTION 07 446 (1 OR 2 HOUR AS APPROPRIATE). PROVIDE MINIMUM 1 HOUR TERMINATION AT SMOKE-RESISTING WALLS.
  4. PROVIDE BULLNOSE CMU UNITS AT ALL OUTSIDE CORNERS WHEN CORNERS ARE EXPOSED IN FINAL CONSTRUCTION. DO NOT BULLNOSE CORNERS WHEN ABUTTING CONSTRUCTION (i.e. GYPSUM BOARD) IS INTENDED TO BE FLUSH WITH CMU.
  5. ALL GYPSUM WALLS TO RECEIVE ABUSE RESISTANT GYPSUM BOARD BELOW 4'-0" AFF, TYPICAL.
  6. WHERE FINISH PLANS (A10 SERIES DRAWINGS) CALL FOR WALL TILE, PROVIDE CEMENT BOARD SUBSTRATE IN LIEU OF GYPSUM BOARD.
  7. ALL DOORS LOCATED 4" FROM JAMB TO ADJACENT WALL UNLESS OTHERWISE INDICATED.

GENERAL NOTES

1. COORDINATE SIZE AND LOCATION OF ALL CONCRETE HOUSEKEEPING PADS AND / OR EQUIPMENT SUPPORTS WITH APPROPRIATE EQUIPMENT MANUFACTURER.
2. COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY EACH TRADE. ALL LOCATIONS MUST BE COORDINATED AND APPROVED BY THE ARCHITECT'S FIELD REPRESENTATIVE.
3. CONTRACTORS SHALL VERIFY ALL EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS, AND FLOOR ELEVATIONS IN THE FIELD AND NOTIFY THE ARCHITECTS REPRESENTATIVE OF ANY DISCREPANCIES BEFORE START OF WORK.
4. FLOOR PLANS ARE DIMENSIONED TO ACTUAL WALL THICKNESS - TYPICAL.
5. DIMENSIONS FOLLOWED BY ± SHOULD BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND / OR INSTALLATION OF AFFECTED WORK. NOTIFY ARCHITECTS REPRESENTATIVE IF DISCREPANCIES ARISE BEFORE PROCEEDING WITH THE WORK.
6. INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C841. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
7. PROVIDE CONTROL JOINTS WHERE INTERIOR CMU (ON SLAB) ABUTS EXTERIOR / INTERIOR MASONRY (ON FOUNDATIONS OR FOOTINGS).
8. VERIFY QUANTITY, SIZE AND LOCATION OF ALL FLOOR, ROOF, AND WALL OPENINGS FOR MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADE. PROVIDE ALL OPENINGS SHOWN OR REQUIRED FOR THE COMPLETION OF THE WORK. PROVIDE ALL LINTELS REQUIRED FOR THESE OPENINGS PER SPECIFICATIONS.
9. REFER TO LIFE SAFETY PLANS FOR LOCATIONS OF REQUIRED FIRE RESISTANCE RATINGS. BECAUSE OF THE DRAWING SCALE OF THE LIFE SAFETY PLANS, COORDINATE THE REQUIRED FIRE RESISTANCE RATINGS WITH THOSE SHOWN ON THE REFLECTED CEILING PLANS.
10. REFER TO REFLECTED CEILING PLANS FOR EXTENSION OF PARTITION WALLS TO FLOOR OR ROOF CONSTRUCTION ABOVE AND WALL FIRE RESISTANCE RATING REQUIREMENTS.
11. REFER TO STRUCTURAL DRAWINGS FOR ALL WIND FRAME LOCATIONS AT INTERIOR AND EXTERIOR WALLS.
12. REFER TO A10. SERIES DRAWINGS FOR FLOOR FINISH PATTERNS AND ROOM FINISHES.
13. REFER TO STRUCTURAL DRAWINGS FOR ORIENTATION AND SIZES OF ALL STRUCTURAL COLUMNS.
14. REFER TO DRAWING A8. FOR TYPICAL DETAILS PERTAINING TO WALL TERMINATIONS AT STRUCTURE ABOVE AND MASONRY CONTROL JOINT DETAILS.
15. VERIFY ALL DIMENSIONS IN FIELD.
16. PROVIDE WOOD BLOCKING WITHIN STUD WALLS FOR WALL MOUNTED ITEMS i.e. GRAB BARS, TOWEL DISPENSERS, PENCIL SHARPENERS, WALL STOPS, FOLDING PARTITION JAMBS, ETC. REFER ALSO TO A8. SERIES AND A4. SERIES DRAWINGS.
17. REFER TO EXTERIOR ELEVATIONS AND PLAN DETAILS FOR LOCATIONS OF CONTROL JOINTS IN EXTERIOR WALLS.
18. WHERE SLAB DEPRESSIONS ARE INDICATED FOR WOOD FLOOR SYSTEMS, CONFIRM DEPRESSION WITH WOOD FLOORING CONTRACTOR. ADJUST DEPRESSION, AS REQUIRED, TO MEET FLUSH WITH ADJACENT FLOOR MATERIALS (i.e. CERAMIC TILE, QUARRY TILE, ETC.).



SECOND LEVEL FLOOR PLAN - ZONE 'E'  
SCALE: 1/8" = 1'-0"



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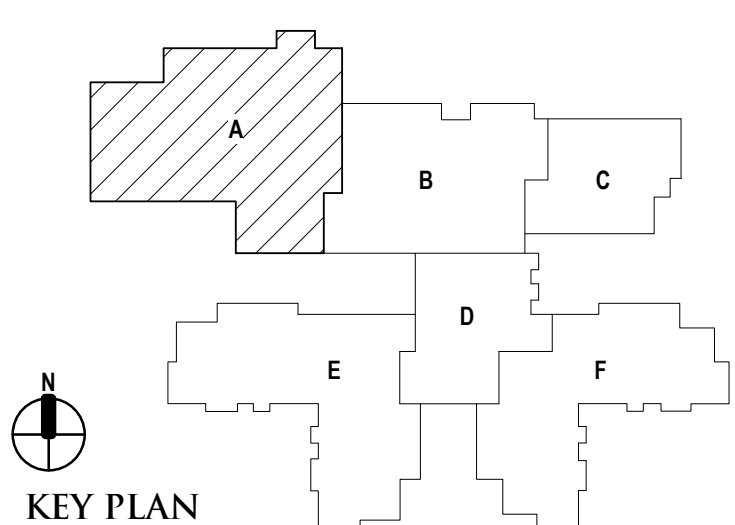
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Roof Level Plan - Zone 'A'**



ISSUE DATES

DATE	ISSUED FOR:

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**22102**

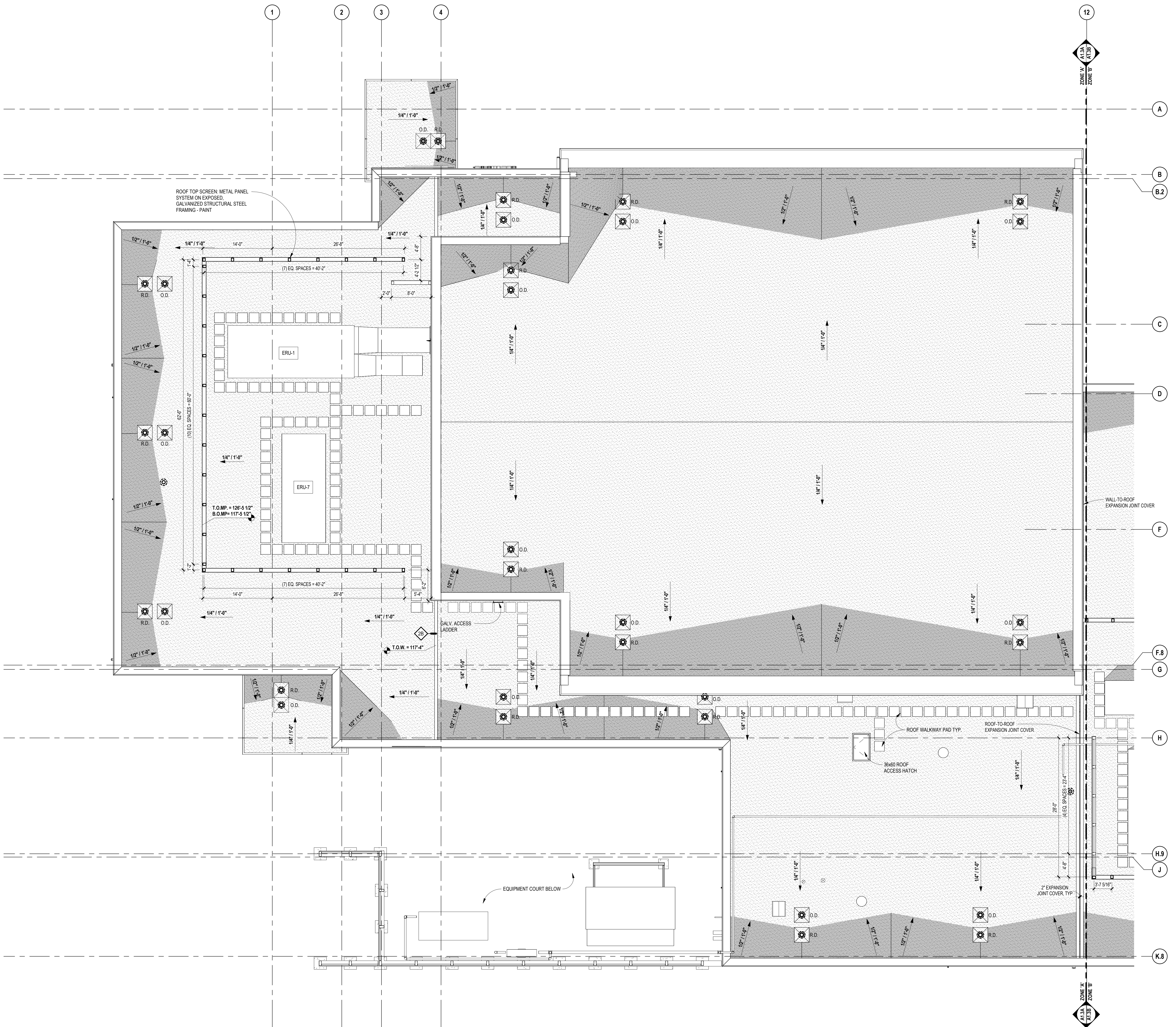
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**A1.3A**

**ROOF PLAN LEGEND**

- COMBINATION PRIMARY / SECONDARY ROOF DRAIN
- ROOF DRAIN (PRIMARY)
- ROOF DRAIN (SECONDARY)
- EXHAUST FAN (RELIEF VENT) [INTAKE HOOD]
- RTU [Roof Top Mechanical Unit]
- CONDENSING UNIT (CU) ON EQUIPMENT RAILS
- ROOFING ON TAPERED INSULATION (1/2" PER FOOT, MIN) ON UNIFORM THICKNESS (NON-TAPERED) INSULATION
- ROOFING ON UNIFORM THICKNESS (NON-TAPERED) INSULATION ON SLOPED METAL DECK
- ROOFING ON CEMENTITIOUS WOOD FIBER DECK WITH BONDED URETHANE INSULATION
- ROOF PATCH / TIE-IN (SEE GENERAL NOTE 3)
- APPROXIMATE THICKNESS OF TAPERED INSULATION (IN ADDITION TO UNIFORM THICKNESS INSULATION)
- INDICATES PITCH OF ROOF SURFACE TOWARDS DRAINS (TAPERED INSULATION OR SADDLES)
- INDICATES SLOPE OF ROOF DECK AND SUPPORTING STEEL (ROOF SURFACE ALSO IF NOT OTHERWISE INDICATED)

**ROOF PLAN NOTES**

- REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF PLUMBING VENTS (FLASH AS PER S.M.A.C.N.A. AND N.R.C.A. STANDARDS).
- REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL OPENINGS. IF ANY, IN NEW AND/OR EXISTING ROOFS. DETAILS OF SIMILAR OPENINGS REFERENCED ON THIS SHEET ARE APPLICABLE.
- WHERE NEW OPENINGS OCCUR IN EXISTING ROOF AREAS, INSTALL SUPPLEMENTAL FRAMING UNDER SHEATHING PRIOR TO CUTTING HOLE IN SHEATHING. REPAIR ROOFING TO 2'-0" (MIN) AROUND OPENING.
- INFORMATION FOR EXISTING CONDITIONS TAKEN FROM HISTORICAL DRAWINGS AND VISUAL INSPECTIONS OF EACH BUILDING. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO INSTALLATION OF NEW WORK AND REPORT ALL DISCREPANCIES TO THE ARCHITECT.
- LOCATIONS AND QUANTITIES OF ALL EXISTING ROOF PENETRATIONS ARE APPROXIMATE AND MUST BE VERIFIED BY CONTRACTOR PRIOR TO WORK IN THOSE AREAS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER FLASHING OF ALL EXISTING DRAINS, CURBS, VENT STACKS, ETC., AFFECTED WITHIN THE PROJECT SCOPE.
- REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF NEW PENETRATIONS, FLASH AS SPECIFIED.
- SEE MECHANICAL DRAWINGS FOR ADDITIONAL OPENINGS. IF ANY, IN NEW AND/OR EXISTING ROOFS. DETAILS OF SIMILAR OPENINGS REFERENCED ON THIS SHEET ARE APPLICABLE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES ON OR NEAR PROJECT ROOFS DURING THE WORK. PROVIDE PROPER SAFETY MEASURES NEAR ELECTRICAL SERVICE LINES.



ROOF LEVEL PLAN - ZONE 'A'  
SCALE: 1/8" = 1'-0"

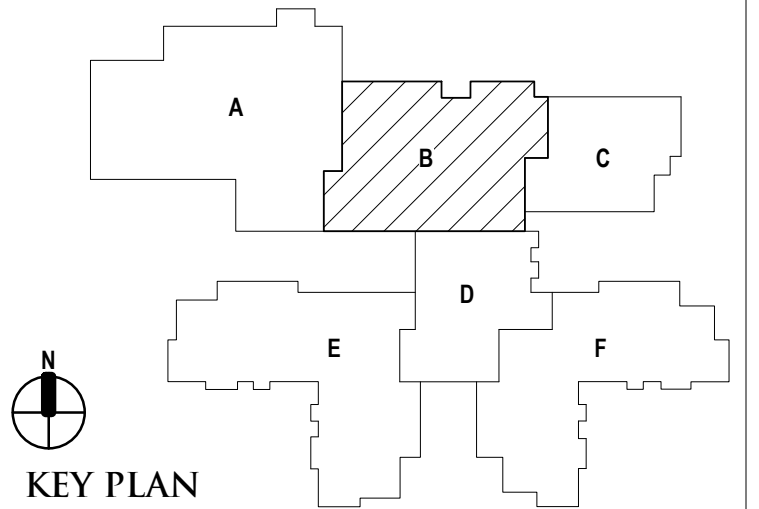
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

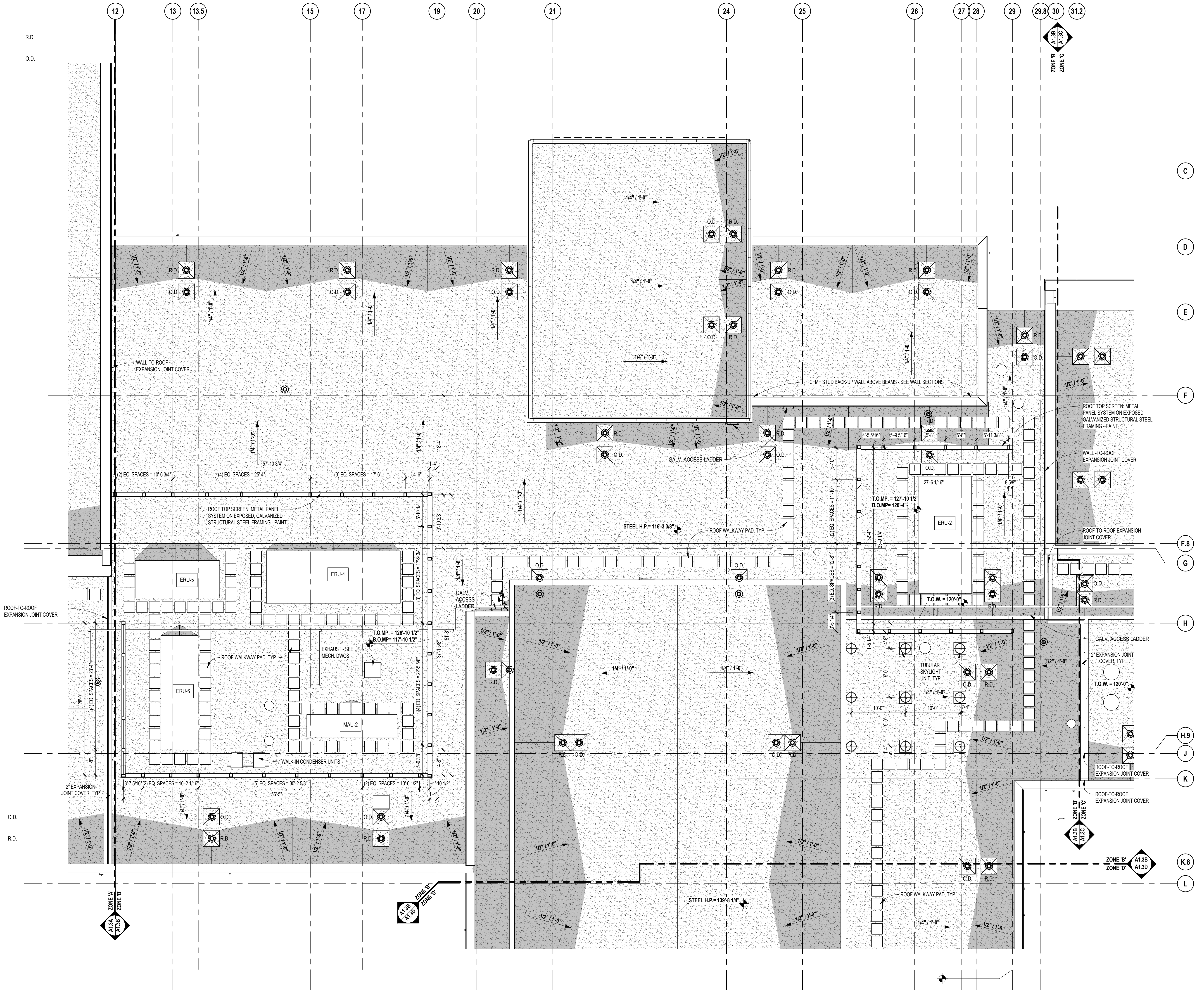
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**Roof Level Plan - Zone 'B'**



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**22102**  
DRAWING NO.  
**A1.3B**



**ROOF PLAN LEGEND**

- COMBINATION PRIMARY / SECONDARY ROOF DRAIN
- ROOF DRAIN (PRIMARY)
- ROOF DRAIN (SECONDARY)
- EXHAUST FAN (RELIEF VENT) (INTAKE HOOD)
- RTU
- RTU WITH ACCESS LADDER
- CONDENSING UNIT (CU) ON EQUIPMENT RAILS
- ROOFING ON TAPERED INSULATION (1/2" PER FOOT, MIN) ON UNIFORM THICKNESS (NON-TAPERED) INSULATION
- ROOFING ON UNIFORM THICKNESS (NON-TAPERED) INSULATION ON SLOPED METAL DECK
- ROOFING ON CEMENTITIOUS WOOD FIBER DECK WITH BONDED URETHANE INSULATION
- ROOF PATCH / TIE-IN (SEE GENERAL NOTE 3)
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- INDICATES PITCH OF ROOF SURFACE TOWARDS DRAINS (TAPERED INSULATION OR SADDLES)
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**ROOF PLAN NOTES**

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**ROOF LEVEL PLAN - ZONE 'B'**  
SCALE: 1/8" = 1'-0"

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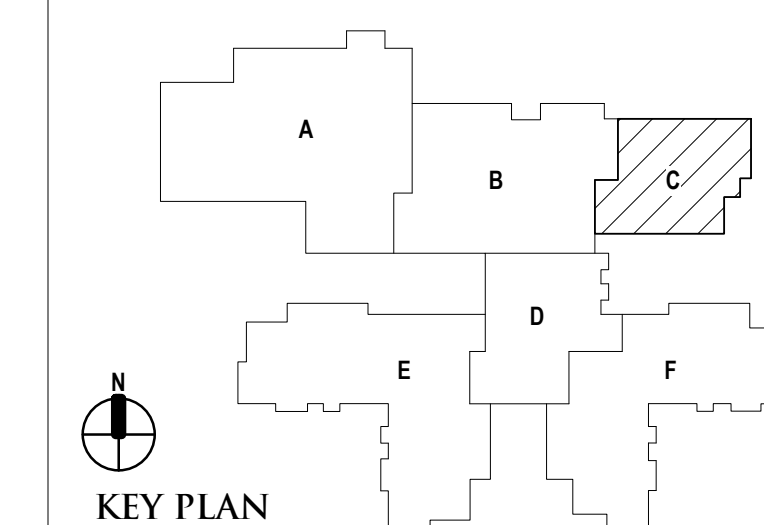
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Roof Level Plan - Zone 'C'**



ISSUE DATES

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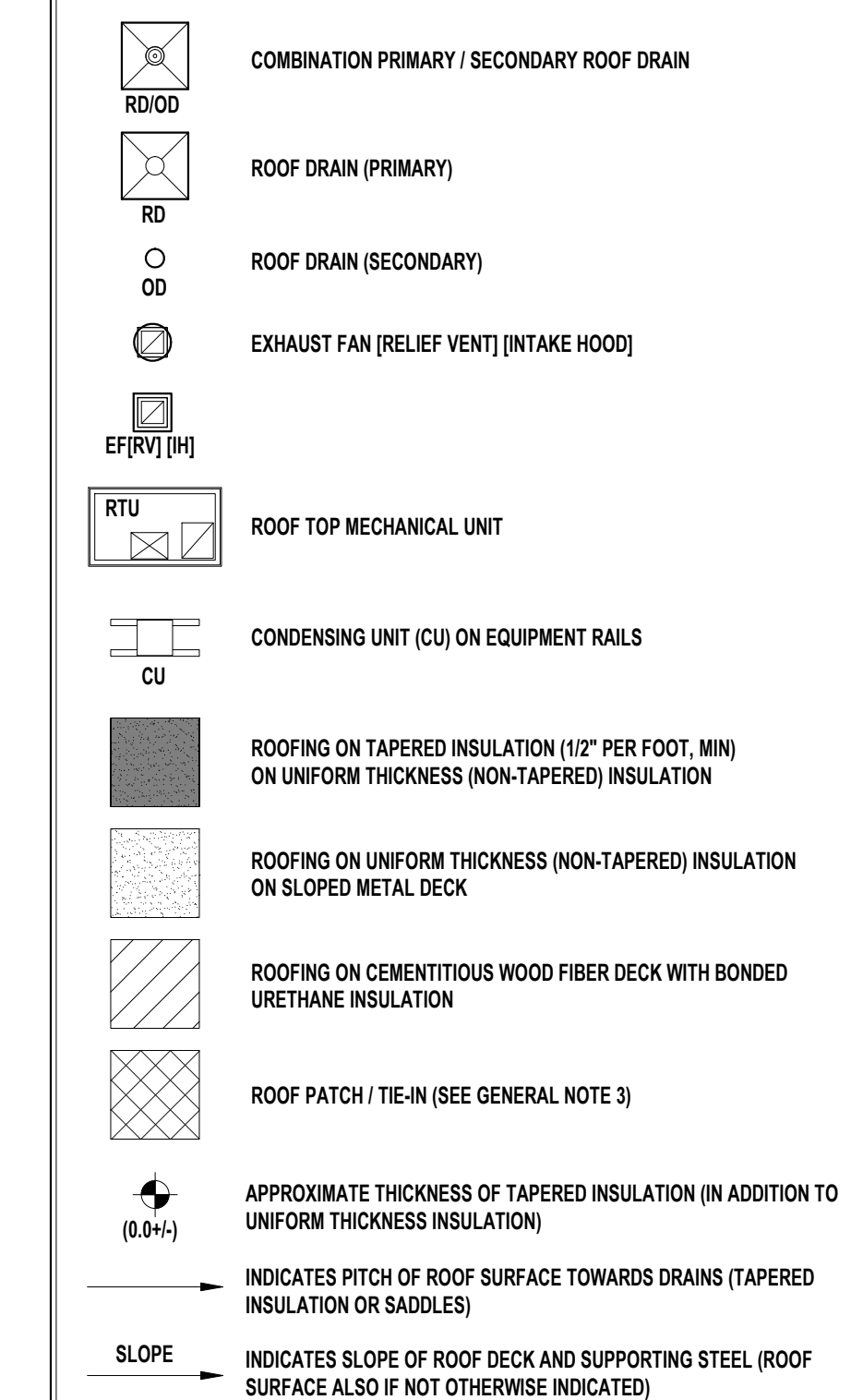
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**22102**

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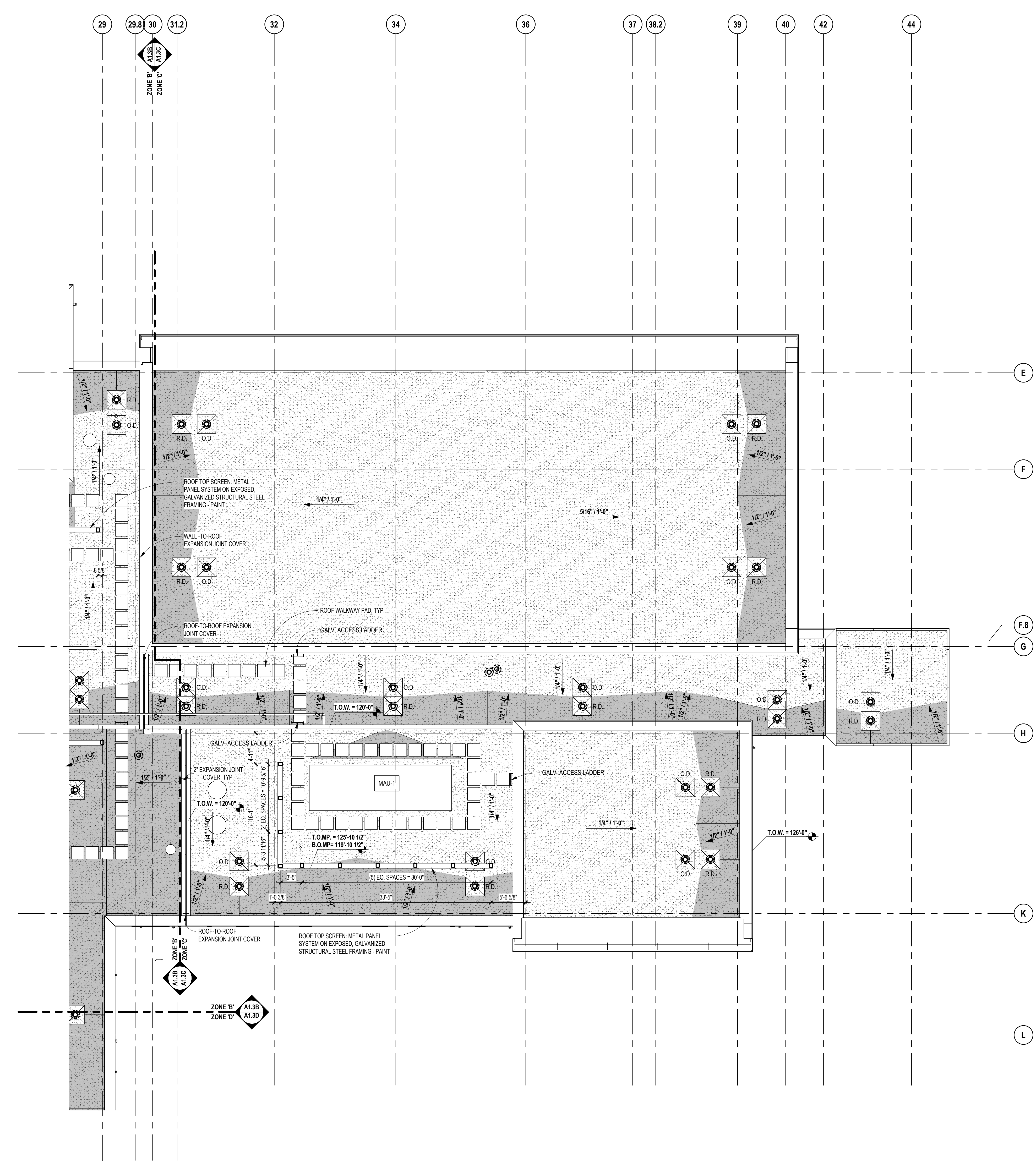
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ROOF PLAN LEGEND



ROOF PLAN NOTES

- REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF PLUMBING VENTS (FLASH AS PER S.M.A.C.N.A. AND N.R.C.A. STANDARDS).
- REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL OPENINGS. IF ANY, IN NEW AND/OR EXISTING ROOFS. DETAILS OF SIMILAR OPENINGS REFERENCED ON THIS SHEET ARE APPLICABLE.
- WHERE NEW OPENINGS OCCUR IN EXISTING ROOF AREAS, INSTALL SUPPLEMENTAL FRAMING UNDER SHEATHING PRIOR TO CUTTING HOLE IN SHEATHING. REPAIR ROOFING TO 2'-0" (MIN) AROUND OPENING.
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- SEE MECHANICAL DRAWINGS FOR ADDITIONAL OPENINGS. IF ANY, IN NEW AND/OR EXISTING ROOFS. DETAILS OF SIMILAR OPENINGS REFERENCED ON THIS SHEET ARE APPLICABLE.
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ROOF LEVEL PLAN - ZONE 'C'  
SCALE: 1/8" = 1'-0"

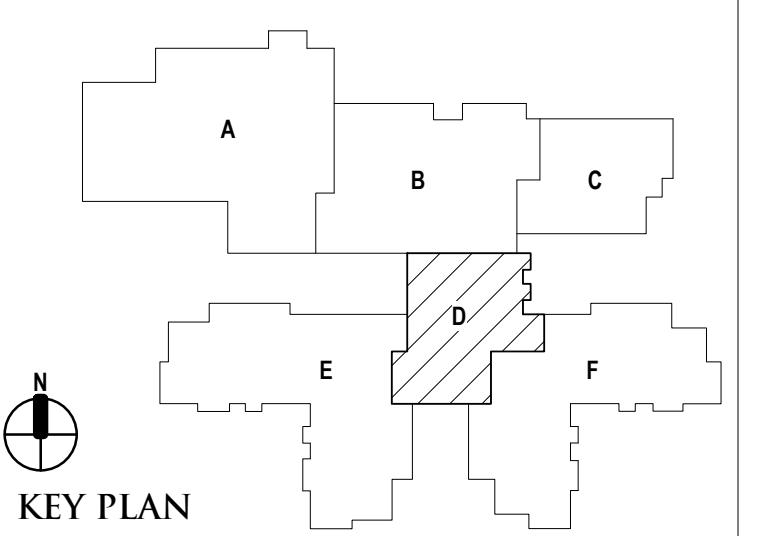
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Roof Level Plan - Zone 'D'**



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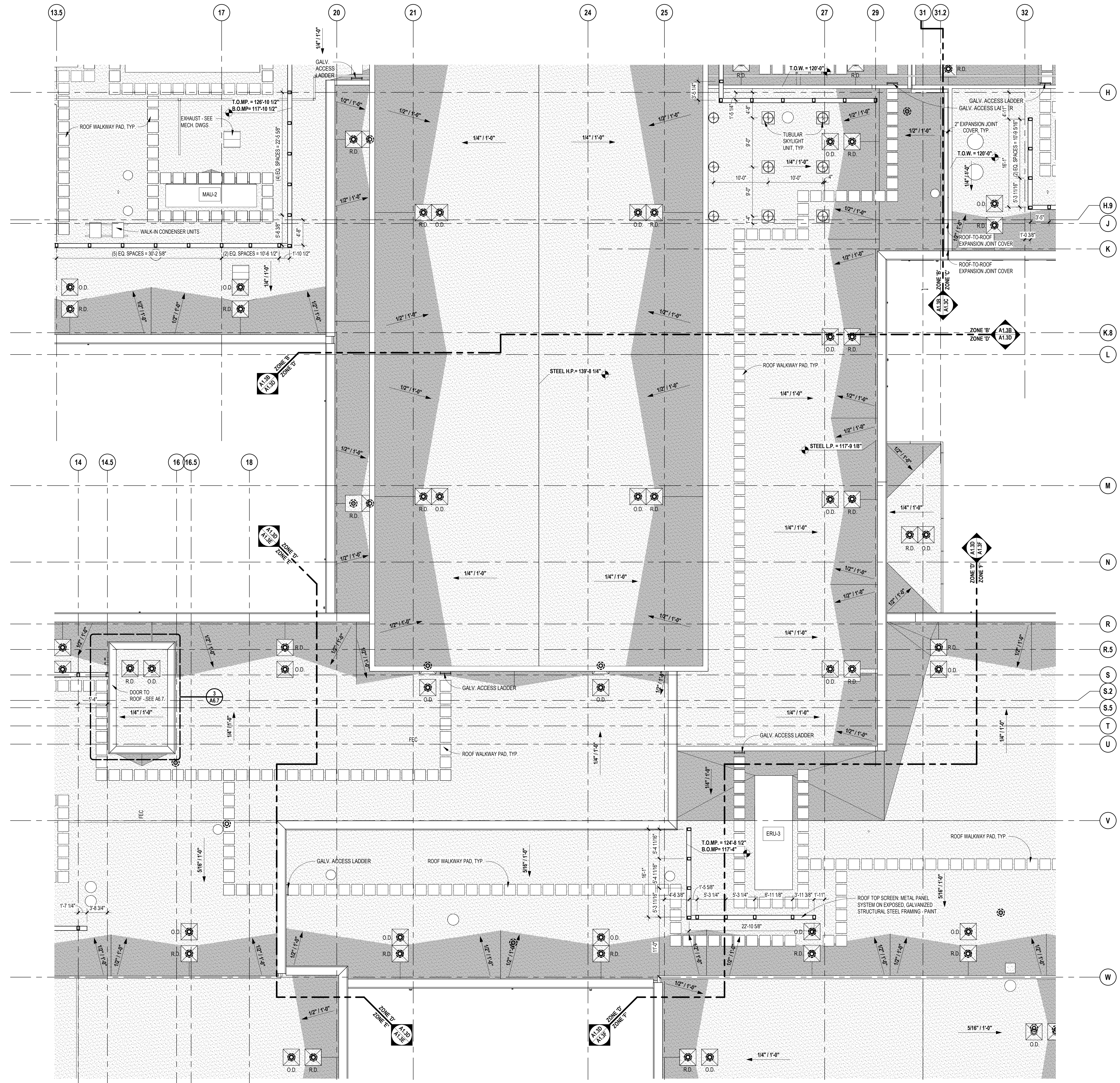
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**22102**  
DRAWING NO.  
**A1.3D**

**ROOF PLAN LEGEND**

- COMBINATION PRIMARY / SECONDARY ROOF DRAIN (RD/OD)
- ROOF DRAIN (PRIMARY) (RD)
- ROOF DRAIN (SECONDARY) (OD)
- EXHAUST FAN (RELIEF VENT) (INTAKE HOOD) (EF[R/V][H])
- ROOF TOP MECHANICAL UNIT (RTU)
- CONDENSING UNIT (CU) ON EQUIPMENT RAILS
- ROOFING ON TAPERED INSULATION (1/2" PER FOOT, MIN) ON UNIFORM THICKNESS (NON-TAPERED) INSULATION
- ROOFING ON UNIFORM THICKNESS (NON-TAPERED) INSULATION ON SLOPED METAL DECK
- ROOFING ON CEMENTITIOUS WOOD FIBER DECK WITH BONDED URETHANE INSULATION
- ROOF PATCH / TIE-IN (SEE GENERAL NOTE 3)
- APPROXIMATE THICKNESS OF TAPERED INSULATION (IN ADDITION TO UNIFORM THICKNESS INSULATION) (0.04+)
- INDICATES PITCH OF ROOF SURFACE TOWARDS DRAINS (TAPERED INSULATION OR SADDLES)
- INDICATES SLOPE OF ROOF DECK AND SUPPORTING STEEL ROOF SURFACE ALSO IF NOT OTHERWISE INDICATED

**ROOF PLAN NOTES**

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ROOF LEVEL PLAN - ZONE 'D'  
SCALE: 1/8" = 1'-0"

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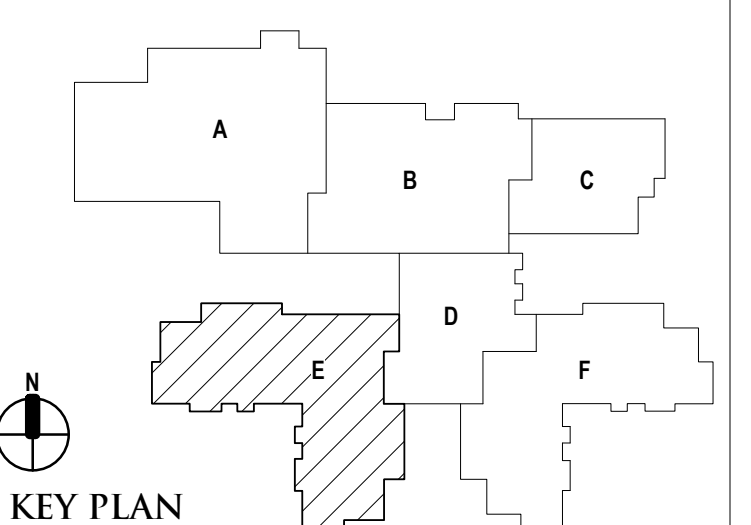
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Roof Level Plan - Zone 'E'**



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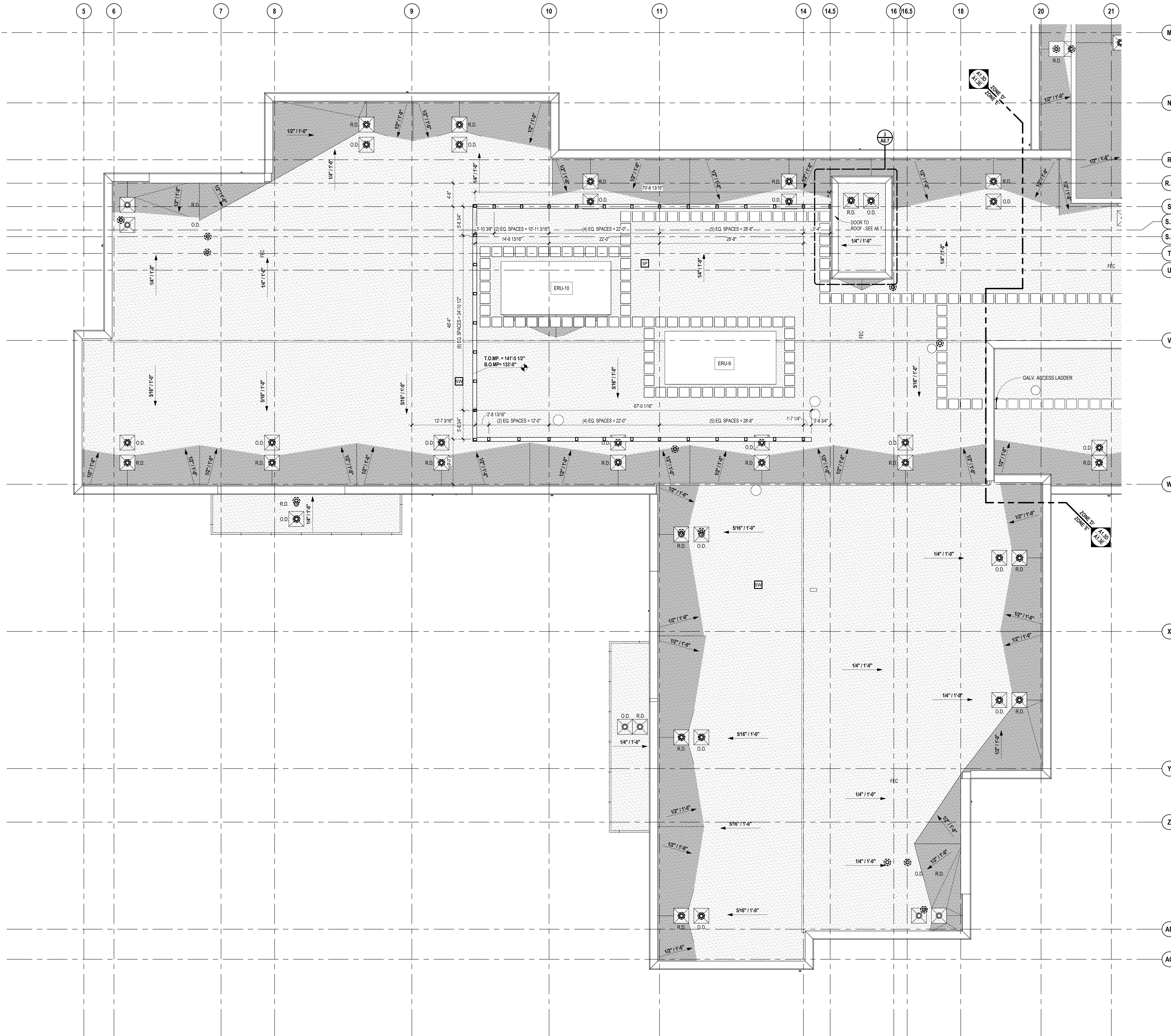
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**ROOF PLAN LEGEND**

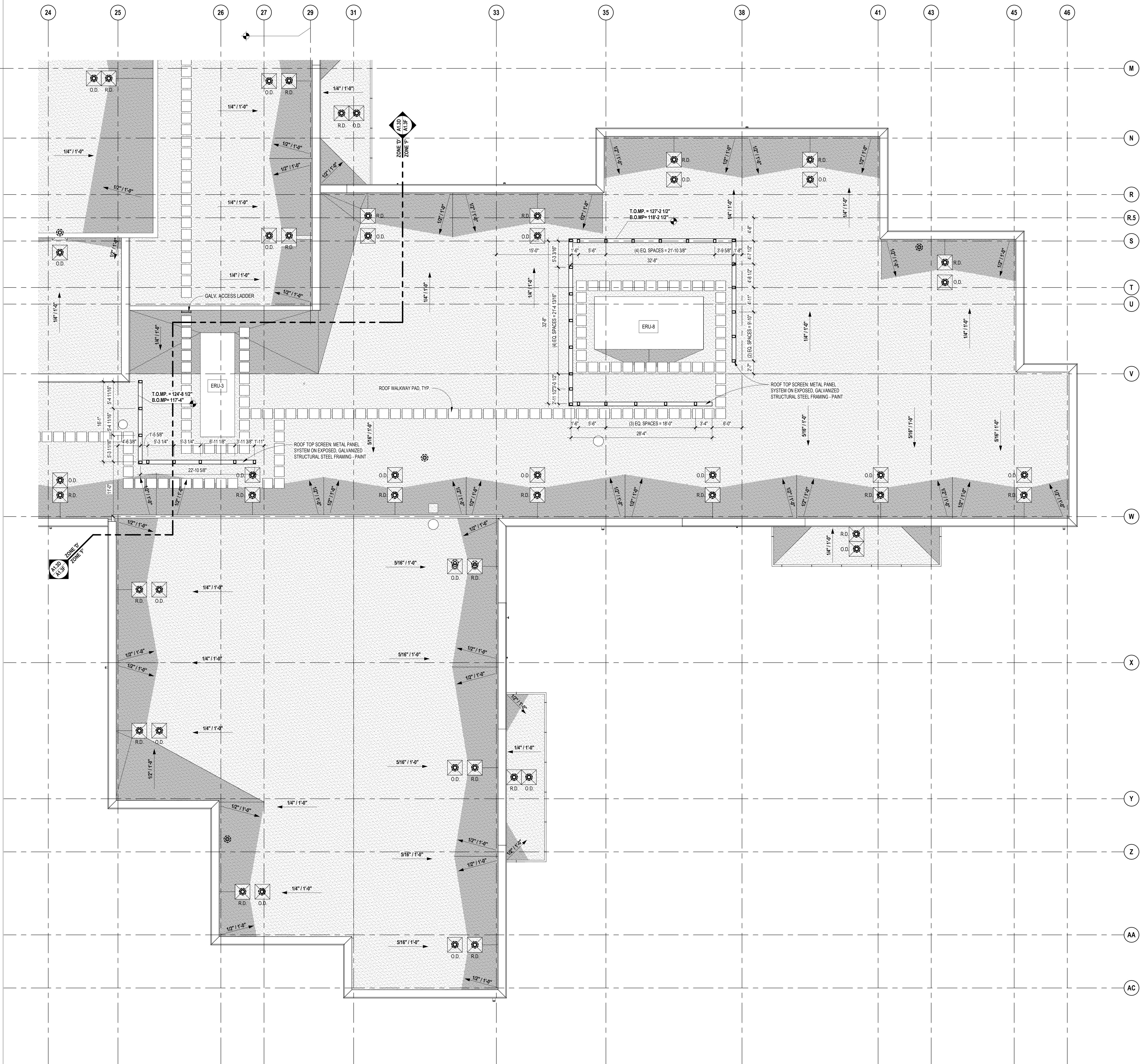
	COMBINATION PRIMARY / SECONDARY ROOF DRAIN
	ROOF DRAIN (PRIMARY)
	ROOF DRAIN (SECONDARY)
	EXHAUST FAN (RELIEF VENT) (INTAKE HOOD)
	RTU
	ROOF TOP MECHANICAL UNIT
	CONDENSING UNIT (CU) ON EQUIPMENT RAILS
	ROOFING ON TAPERED INSULATION (1/2" PER FOOT, MIN) ON UNIFORM THICKNESS (NON-TAPERED) INSULATION
	ROOFING ON UNIFORM THICKNESS (NON-TAPERED) INSULATION ON SLOPED METAL DECK
	ROOFING ON CEMENTITIOUS WOOD FIBER DECK WITH BONDED URETHANE INSULATION
	ROOF PATCH / TIE-IN (SEE GENERAL NOTE 3)
	APPROXIMATE THICKNESS OF TAPERED INSULATION (IN ADDITION TO UNIFORM THICKNESS INSULATION)
	INDICATES PITCH OF ROOF SURFACE TOWARDS DRAINS (TAPERED INSULATION OR SADDLES)
	INDICATES SLOPE OF ROOF DECK AND SUPPORTING STEEL (ROOF SURFACE ALSO IF NOT OTHERWISE INDICATED)

**ROOF PLAN NOTES**

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**ROOF LEVEL PLAN - ZONE 'E'**  
SCALE: 1/8" = 1'-0"



**ROOF PLAN LEGEND**

	COMBINATION PRIMARY / SECONDARY ROOF DRAIN
	ROOF DRAIN (PRIMARY)
	ROOF DRAIN (SECONDARY)
	EXHAUST FAN (RELIEF VENT) (INTAKE HOOD)
	ROOF TOP MECHANICAL UNIT
	CONDENSING UNIT (CU) ON EQUIPMENT RAILS
	ROOFING ON TAPERED INSULATION (1/2" PER FOOT, MIN) ON UNIFORM THICKNESS (NON-TAPERED) INSULATION
	ROOFING ON UNIFORM THICKNESS (NON-TAPERED) INSULATION ON SLOPED METAL DECK
	ROOFING ON CEMENTITIOUS WOOD FIBER DECK WITH BONDED URETHANE INSULATION
	ROOF PATCH / TIE-IN (SEE GENERAL NOTE 3)
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	INDICATES PITCH OF ROOF SURFACE TOWARDS DRAINS (TAPERED INSULATION OR SADDLES)
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 191 WEST SQUARE LAKE ROAD  
 BLOOMFIELD HILLS - MICHIGAN - 48302  
 PH: 248.338.4564 FX: 248.338.0223  
 EM: INFO@TMP-ARCHITECTURE.COM

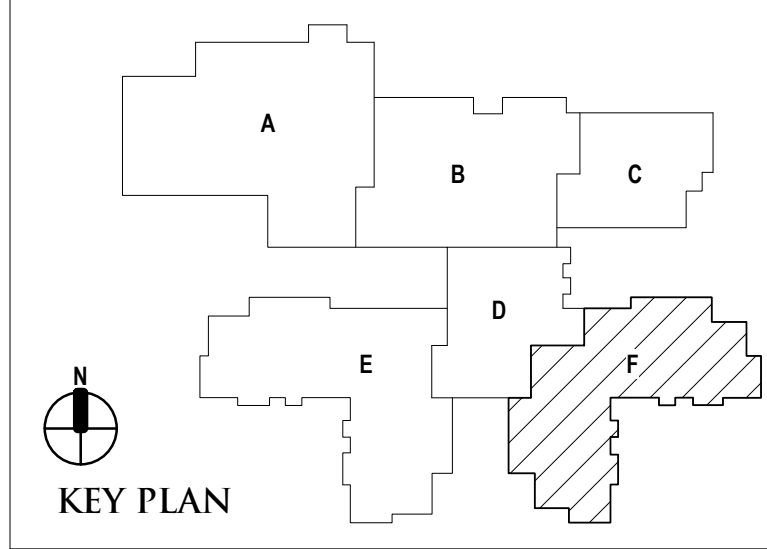
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Roof Level Plan - Zone 'F'**



**ISSUE DATES**

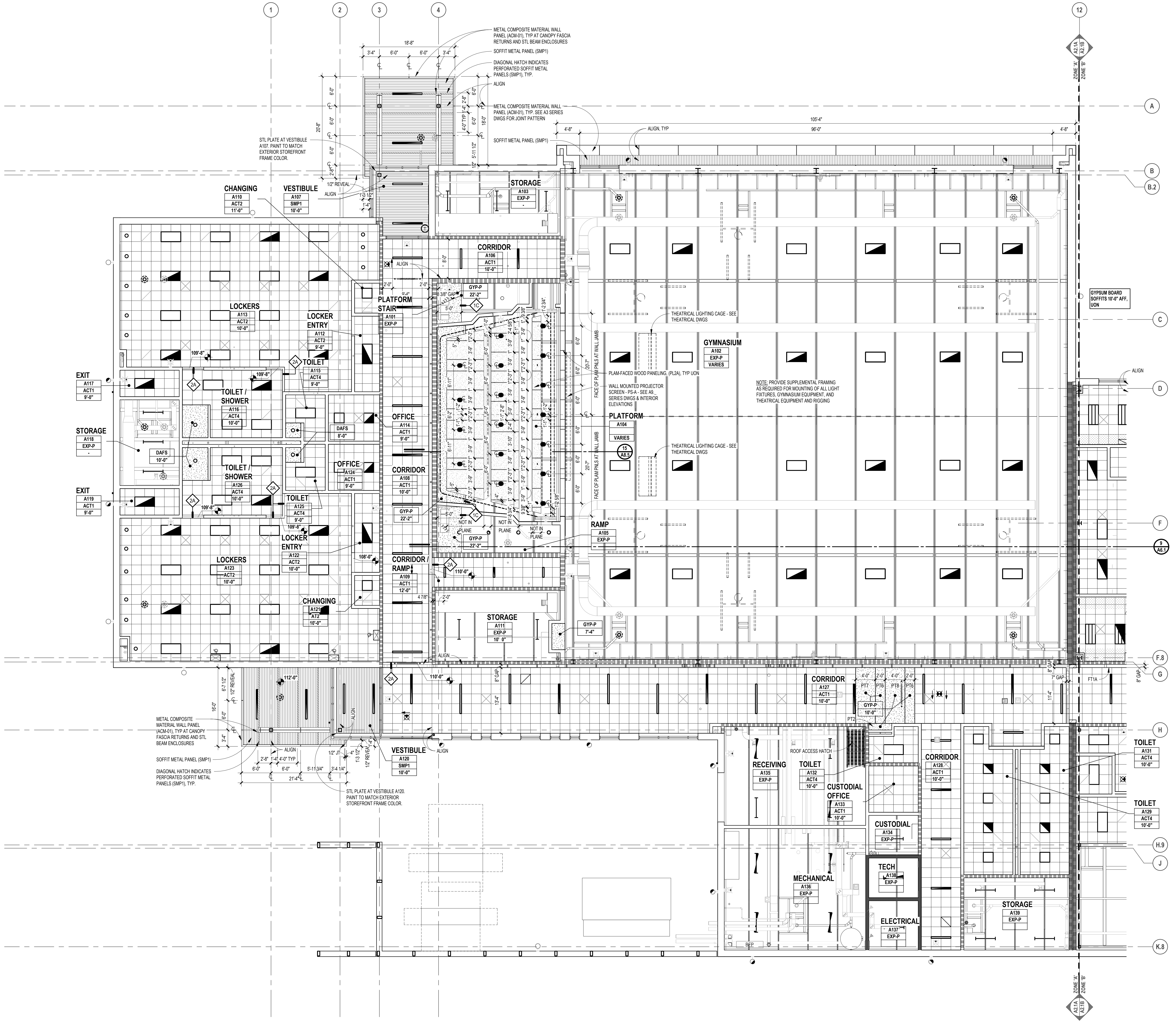
DATE	ISSUED FOR

06-18-2024 CONSTRUCTION DOCUMENTS  
 DRAWN do  
 CHECKED jw  
 APPROVED at

PROJECT NO.  
**22102**  
 DRAWING NO.  
**A1.3F**

ROOF LEVEL PLAN - ZONE 'F'  
 SCALE: 1/8" = 1'-0"

Autodesk Docs/22102\_Troy Smith MS22102-ARCH-22.rvt  
 6/26/2024 9:13:19 AM



**FIXTURE LEGEND**

- RECESSED L.E.D. TROFFER (2'x4' / 1'x4')
- L.E.D. INDUSTRIAL FIXTURE
- SURFACE MOUNTED LINEAR L.E.D. FIXTURE
- PENDANT MOUNTED LINEAR L.E.D. FIXTURE
- RECESSED DOWNLIGHT
- EXIT SIGN
- SPEAKER

**FIRE / LIFE SAFETY FIXTURES: SEE ELECTRICAL, FIRE PROTECTION, PLUMBING, AND TECHNOLOGY DRAWINGS & SPECIFICATIONS**

**MECHANICAL EQUIPMENT / FIXTURES - SEE MECHANICAL DRAWINGS & SPECIFICATIONS**

- SUPPLY DIFFUSER
- RETURN AIR / EXHAUST GRILLE

**CEILING KEY**

- GYPSUM BOARD (PAINTED) OR INTERIOR / EXTERIOR FINISH SYSTEM CEILING / SOFFIT
- SUSPENDED LAY-IN ACOUSTICAL CEILING - SEE SPECIFICATIONS FOR SIZES
- EXPOSED CONSTRUCTION (PAINTED U.O.N.)
- 2x4 SUSPENDED LAY-IN ACOUSTICAL CEILING MATCHING ADJACENT CEILING I.E. CUT TILE TO FIT LARGER GRID SIZE AT SPACE PERIMETER.

**CEILING LEGEND**

**ROOM/CEILING TAGS**

ROOM NAME AND NUMBER PLUS GENERAL CEILING FINISH AND HEIGHT UNLESS OTHERWISE NOTED CEILING FINISH TAGS.

**CEILING FINISH TAG**

SPECIFIC FINISH / HEIGHT WHERE VARYING FROM GENERAL ROOM / CEILING TAGS.

**ROOM NAME** ← ROOM NUMBER

ACT ← CEILING FINISH ABBREVIATION (SEE BELOW) → ACT

← CEILING HEIGHT (AFF) →

**CEILING FINISH ABBREVIATIONS**

- AB ACOUSTICAL BAFFLE PANEL - SUSPENDED
- ACT ACOUSTICAL LAY-IN CEILING TILE
- ALUM ALUMINUM PANEL
- AWFP ACOUSTICAL WOOD FIBER PANELS - SURFACE MOUNTED
- AWP ACOUSTICAL WALL PANEL
- DMS DIRECT APPLIED EXTERIOR FINISH SYSTEM (SYNTHETIC VENEER PLASTER)
- DFP MOLDED DIFFUSER PANEL
- EXP-P EXPOSED CONSTRUCTION - PAINTED
- EXP-UF EXPOSED CONSTRUCTION - UNFINISHED
- F1 FASCIA TRIM AT CEILING PERIMETER
- GSW-P GYPSUM BOARD SHIRT WALL - PAINTED - SEE LS SHEETS FOR RATING
- GYP-P GYPSUM BOARD - PAINTED
- GYP-EP GYPSUM BOARD - EPOXY PAINTED
- OCMC OPEN CELL METAL CEILING
- PTD PAINTED
- RPC RADIANT CEILING PANELS
- UF UNFINISHED
- SMP1 SOFFIT METAL PANEL
- WFP-P CEMENTITIOUS WOOD FIBER PANEL - PAINTED

**NOTES**

- REFER TO FINISH PLANS FOR INFORMATION ON ROOM FINISHES.
- REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MATERIALS AND CONSTRUCTION.
- WHERE EXPOSED CONSTRUCTION IS INDICATED TO BE PAINTED, THIS SHALL INCLUDE ALL STRUCTURAL MEMBERS, ROOF / FLOOR DECK, DUCTWORK, DIFFUSERS, GRILLES, PIPING, SUSPENDED EQUIPMENT, CONDUITS, ETC. (U.O.N.).

**WALL FIRE RATING LEGEND**

- 2-HOUR FIRE WALL FOR AREA COMPLIANCE
- 2-HOUR FIRE BARRIER FOR ELECTRICAL
- 1-HOUR FIRE BARRIER FOR EXIT ENCLOSURES & ELEVATORS
- 1-HOUR FIRE BARRIER AT HVAC SHAFTS
- 1-HOUR FIRE BARRIER FOR SCIENCE LABS
- 1-HOUR FIRE BARRIER HAZARDOUS / INCIDENTAL USES
- SMOKE BARRIER FOR VERTICALLY COMMUNICATING SPACES
- SMOKE PARTITION FOR EGRESS CORRIDORS
- NON RATED WALLS TO STRUCTURE ABOVE

**GENERAL NOTES**

- REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES. REFER ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION PERTAINING TO ELECTRICAL AND MECHANICAL WORK.
- COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY TRADE. SPOT ALL LOCATIONS WITHIN FIXED GYPSUM BOARD CEILINGS AND RECEIVE APPROVAL FROM THE ARCHITECT'S FIELD REPRESENTATIVE BEFORE PLACEMENT.
- COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTS.
- ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS (ABOVE ACCESSIBLE CEILINGS) SHALL BE MARKED EVERY 30" HORIZONTALLY AND WITHIN 15" OF ENDS OF WALLS. "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS". REFER TO CURRENT BUILDING CODE FOR LETTERING HEIGHT, STROKE AND CONTRAST.
- ALL GYPSUM BOARD FASCIAE @ SOFFITS, ADJACENT TO LAY-IN CEILINGS, SHALL EXTEND 4" MINIMUM ABOVE LAY-IN CEILINGS.
- INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C841. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
- PROVIDE WOOD BLOCKING, ABOVE GYPSUM BOARD CEILINGS, AS REQUIRED FOR MISCELLANEOUS SUSPENDED ITEMS (e.g. CURTAIN TRACKS, WINDOW SHADES, ACOUSTICAL BAFFLES, ETC.).
- REFER TO DRAWINGS A FOR TYPICAL DETAILS PERTAINING TO WALL TERMINATIONS AT STRUCTURE ABOVE.
- SEE LIFE SAFETY PLANS FOR DAMPERING REQUIREMENTS.
- CENTER SPRINKLER HEADS AT THE CENTER OF CEILING PANEL UNLESS SHOWN OTHERWISE.

**TMP ARCHITECTURE**

TMP ARCHITECTURE INC  
1191 WEST SQUARE LAKE ROAD  
BLOOMFIELD HILLS, MICHIGAN 48302  
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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**First Level Reflected Ceiling Plan - Zone 'A'**

KEY PLAN

ISSUE DATES

96-18-2024	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:
DRAWN	do
CHECKED	jw
APPROVED	dt

PROJECT NO.  
**22102**

DRAWING NO.  
**A2.1A**

**FIRST LEVEL REFLECTED CEILING PLAN - ZONE 'A'**  
SCALE: 1/8" = 1'-0"

Autodesk Docs/22102\_Troy\_Smith\_MS22102\_ARCH-22.rvt  
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BLOOMFIELD HILLS - MICHIGAN - 48302  
PH: 248.338.4564 FX: 248.338.0223  
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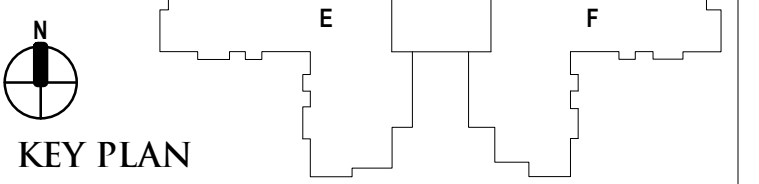
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**First Level Reflected Ceiling  
Plan - Zone 'B'**



ISSUE DATES

96-18-2024	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:
DRAWN do	
CHECKED jw	
APPROVED dt	

PROJECT NO.  
**22102**  
DRAWING NO.  
**A2.1B**

**FIXTURE LEGEND**

- RECESSED L.E.D. TROFFER (2'x4' / 1'x4')
  - L.E.D. INDUSTRIAL FIXTURE
  - SURFACE MOUNTED LINEAR L.E.D. FIXTURE
  - PENDANT MOUNTED LINEAR L.E.D. FIXTURE
  - RECESSED DOWNLIGHT
  - EXIT SIGN
  - SPEAKER
- FIRE / LIFE SAFETY FIXTURES: SEE ELECTRICAL, FIRE PROTECTION, PLUMBING, AND TECHNOLOGY DRAWINGS & SPECIFICATIONS.
- MECHANICAL EQUIPMENT / FIXTURES: SEE MECHANICAL DRAWINGS & SPECIFICATIONS.
- SUPPLY DIFFUSER
  - RETURN-AIR / EXHAUST GRILLE

**CEILING KEY**

- GYPSUM BOARD (PAINTED) OR INTERIOR / EXTERIOR FINISH SYSTEM CEILING / SOFFIT
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- 2x4 SUSPENDED LAY-IN ACOUSTICAL CEILING MATCHING ADJACENT CEILING TILE. CUT TILE TO FIT LARGER GRID SIZE AT SPACE PERIMETER.

**CEILING LEGEND**

- ROOM/Ceiling TAGS      CEILING FINISH TAG
- ROOM NAME AND NUMBER PLUS GENERAL CEILING FINISH AND HEIGHT UNLESS OTHERWISE NOTED CEILING FINISH TAGS.      SPECIFIC FINISH / HEIGHT WHERE VARYING FROM GENERAL ROOM / CEILING TAGS.
- ROOM NAME      ROOM NUMBER      CEILING FINISH ABBREVIATION (SEE BELOW)      CEILING HEIGHT (AFF)
- |      |   |     |   |       |
|------|---|-----|---|-------|
| 101  | ← | ACT | ← | 8'-0" |
| B145 | ← | ACT | ← | 8'-0" |

**CEILING FINISH ABBREVIATIONS**

- AB ACOUSTICAL BAFFLE PANEL - SUSPENDED
- ACT ACOUSTICAL LAY-IN CEILING TILE
- ALUM ALUMINUM PANEL
- AWFP ACOUSTICAL WOOD FIBER PANELS - SURFACE MOUNTED
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- EXP-U EXPOSED CONSTRUCTION - UNFINISHED
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- WFP CEMENTITIOUS WOOD FIBER PANEL - PAINTED

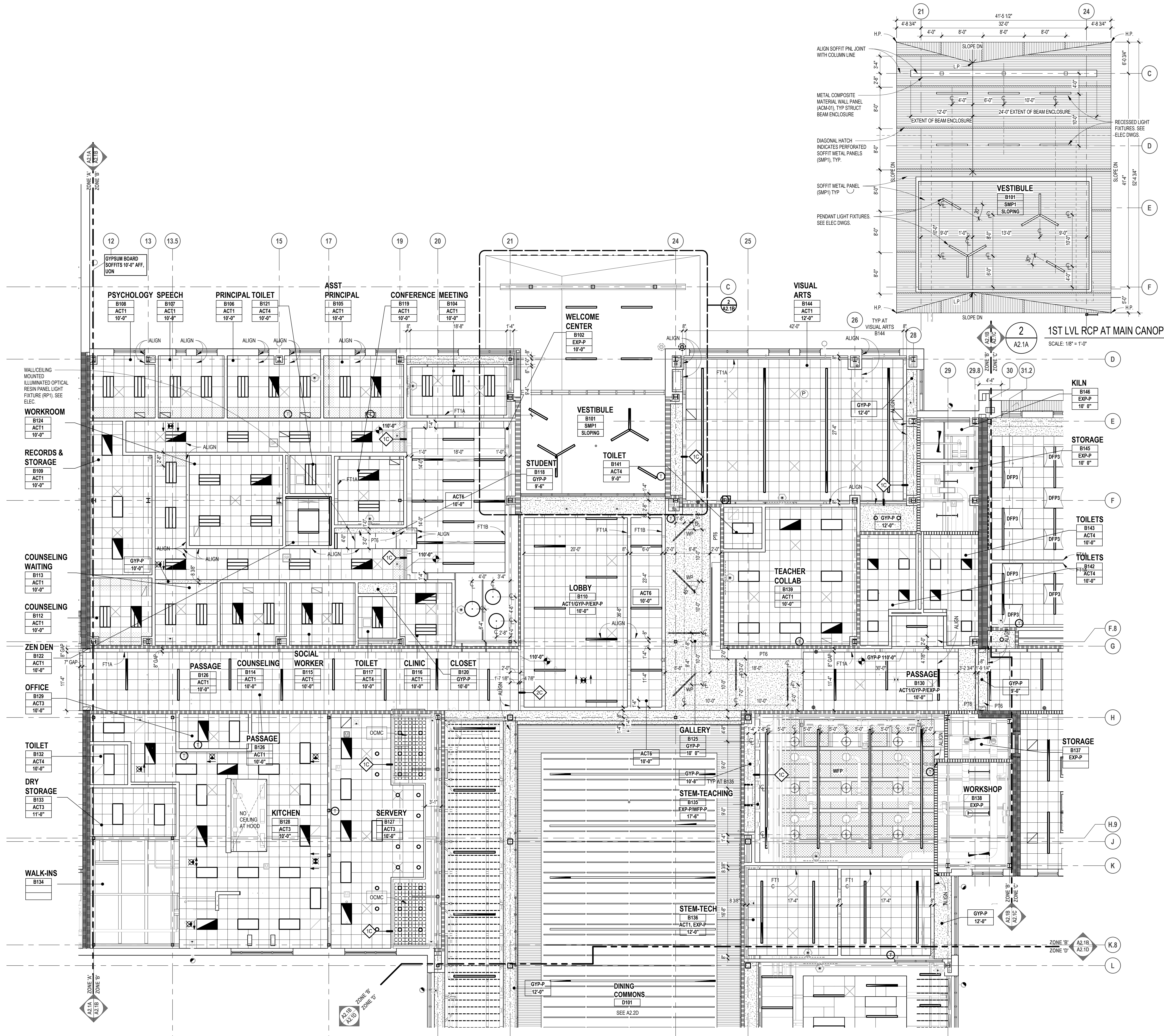
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- 1-HOUR FIRE BARRIER FOR SCIENCE LABS
- 1-HOUR FIRE BARRIER HAZARDS / INCIDENTAL USES
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- NON RATED WALLS TO STRUCTURE ABOVE

**GENERAL NOTES**

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- REFER TO DRAWINGS A FOR TYPICAL DETAILS PERTAINING TO WALL TERMINATIONS AT STRUCTURE ABOVE.
- SEE LIFE SAFETY PLANS FOR DAMPERING REQUIREMENTS.
- CENTER SPRINKLER HEADS AT THE CENTER OF CEILING PANEL UNLESS SHOWN OTHERWISE.



**FIRST LEVEL REFLECTED CEILING PLAN**  
SCALE: 1/8" = 1'-0"



TMP ARCHITECTURE INC  
1991 WEST SQUARE LAKE ROAD  
BLOOMFIELD HILLS, MICHIGAN 48302  
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EM: INFO@TMP-ARCHITECTURE.COM

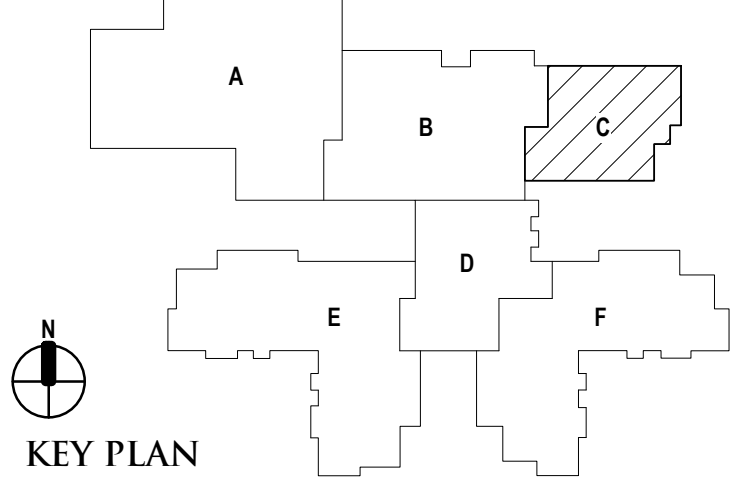
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**First Level Reflected Ceiling  
Plan - Zone 'C'**



ISSUE DATES

DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS

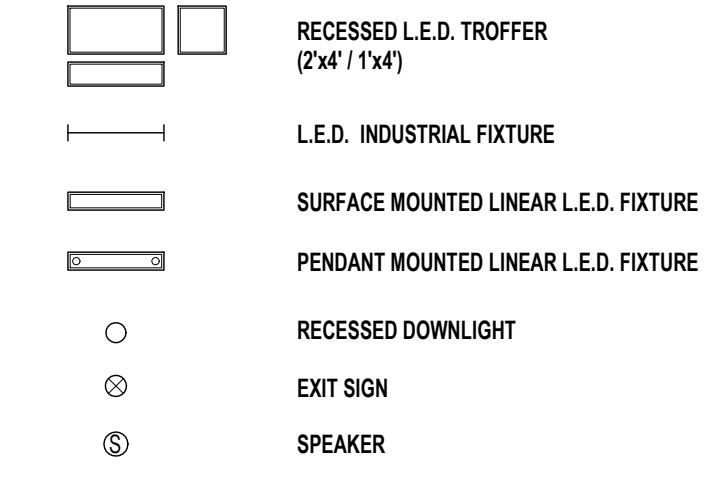
PROJECT NO.

**22102**

DRAWING NO.

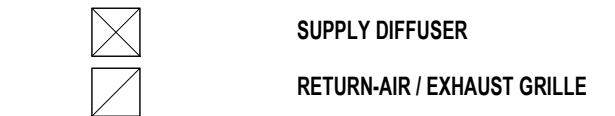
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**FIXTURE LEGEND**

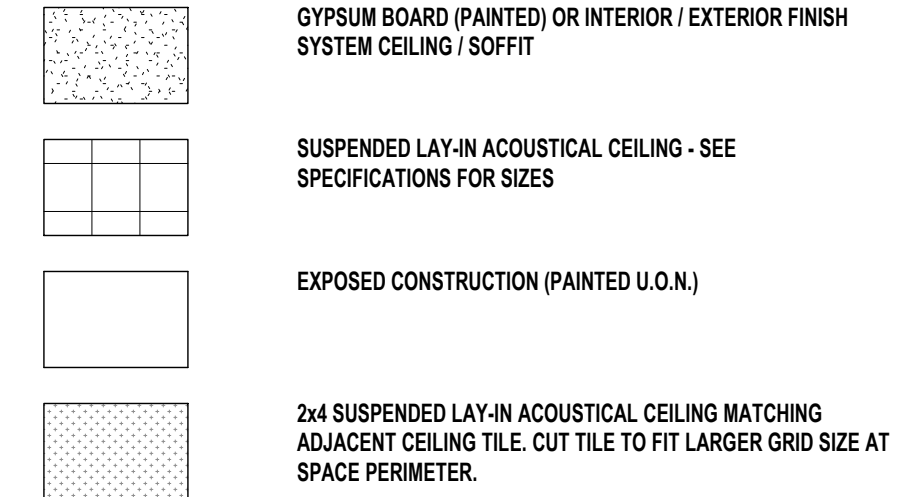


FIRE / LIFE SAFETY FIXTURES: SEE ELECTRICAL, FIRE PROTECTION, PLUMBING, AND TECHNOLOGY DRAWINGS & SPECIFICATIONS

MECHANICAL EQUIPMENT / FIXTURES - SEE MECHANICAL DRAWINGS & SPECIFICATIONS



**CEILING KEY**



**CEILING LEGEND**

ROOM/CEILING TAGS: ROOM NAME AND NUMBER PLUS GENERAL CEILING FINISH AND HEIGHT UNLESS OTHERWISE NOTED CEILING FINISH TAGS.

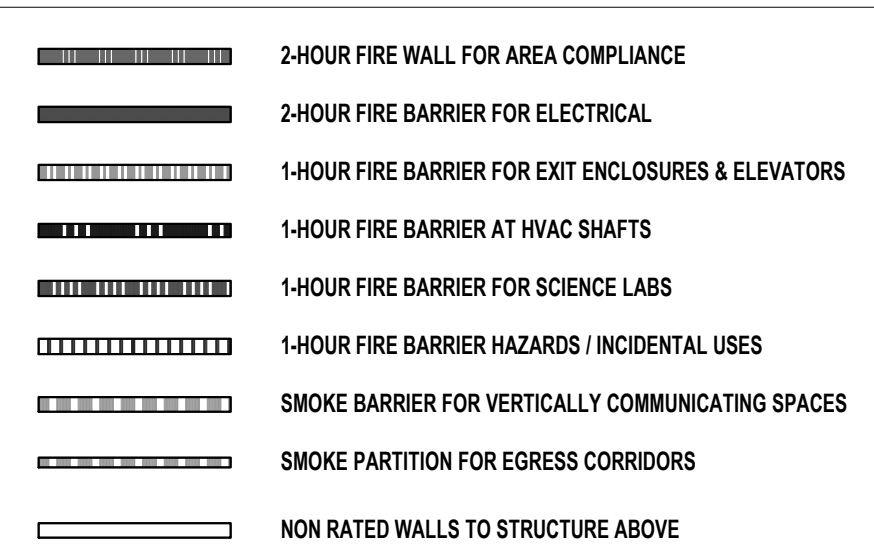
ROOM NAME	ROOM NUMBER	CEILING FINISH ABBREVIATION (SEE BELOW)	CEILING HEIGHT (AFF)
101	101	ACT	8'-0"
ACT	ACT	ACT	8'-0"

**CEILING FINISH ABBREVIATIONS**

AB ACoustical BAFFLE PANEL - SUSPENDED  
ACT ACoustical LAY-IN CEILING TILE  
ALUM ALUMINUM PANEL  
AWFP ACoustical WOOD FIBER PANELS - SURFACE MOUNTED  
AWP ACoustical WALL PANEL  
DAFS DIRECT APPLIED EXTERIOR FINISH SYSTEM (SYNTHETIC VENEER PLASTER)  
DFP MOLDED DIFFUSER PANEL  
EXP-P EXPOSED CONSTRUCTION - PAINTED  
EXP-UF EXPOSED CONSTRUCTION - UNFINISHED  
FT1 FASCIA TRIM AT CEILING PERIMETER  
GWB-P GYPSUM BOARD SHIRT WALL - PAINTED - SEE LS SHEETS FOR RATING  
GY-P GYPSUM BOARD - PAINTED  
GY-EP GYPSUM BOARD - EPOXY PAINTED  
OCMC OPEN CELL METAL CEILING  
PTD PAINTED  
RCP RADIANT CEILING PANELS  
UF UNFINISHED  
SMP1 SOFFIT METAL PANEL  
WFP-P CEMENTITIOUS WOOD FIBER PANEL - PAINTED

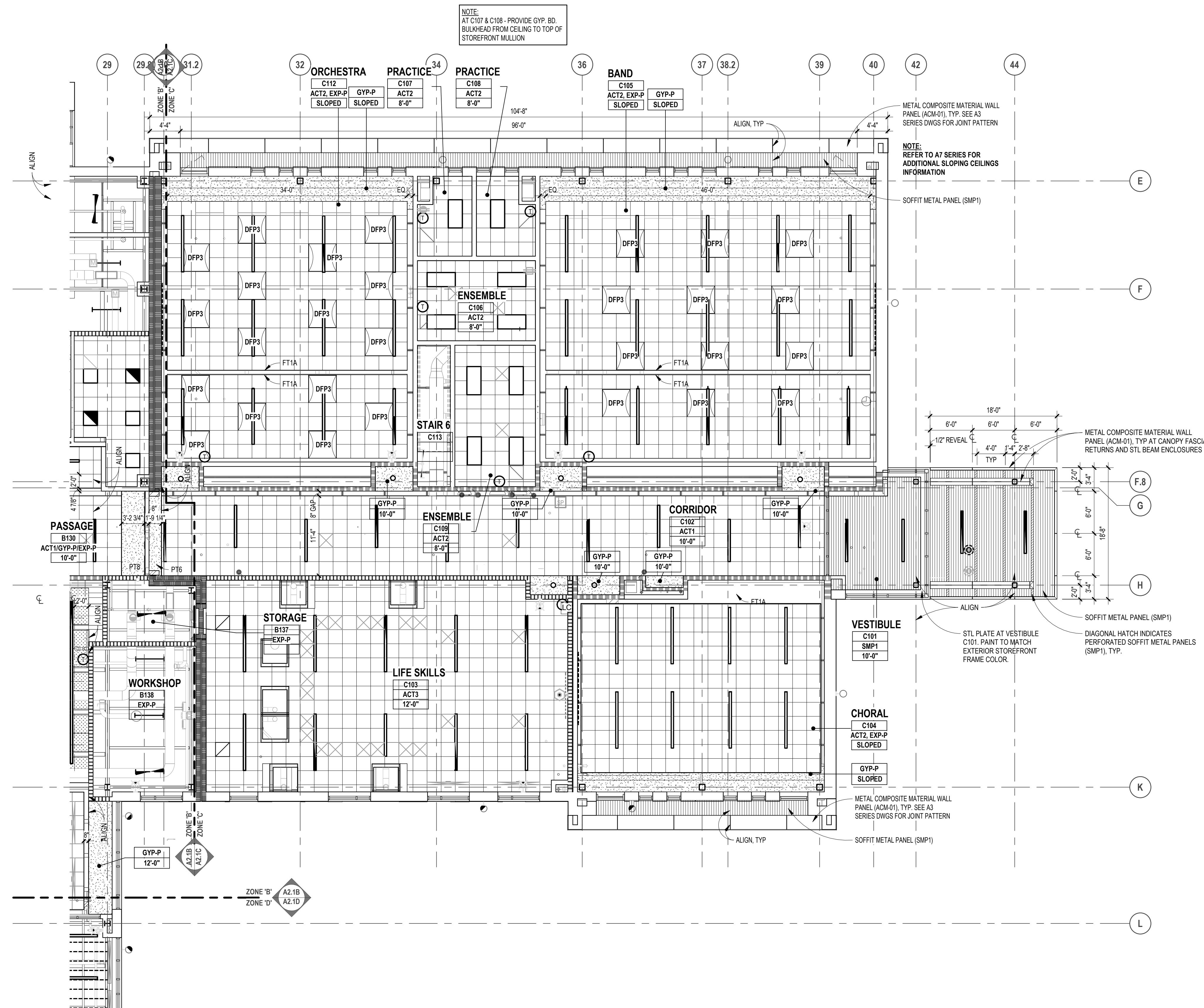
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**WALL FIRE RATING LEGEND**



**GENERAL NOTES**

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- CENTER SPRINKLER HEADS AT THE CENTER OF CEILING PANEL UNLESS SHOWN OTHERWISE.



FIRST LEVEL REFLECTED CEILING PLAN  
SCALE: 1/8" = 1'-0"



T.M.P. ARCHITECTURE INC  
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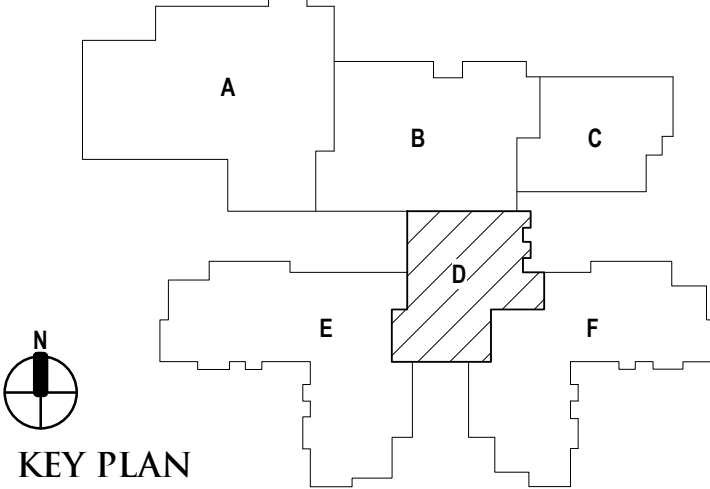
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**First Level Reflected Ceiling  
Plan - Zone 'D'**

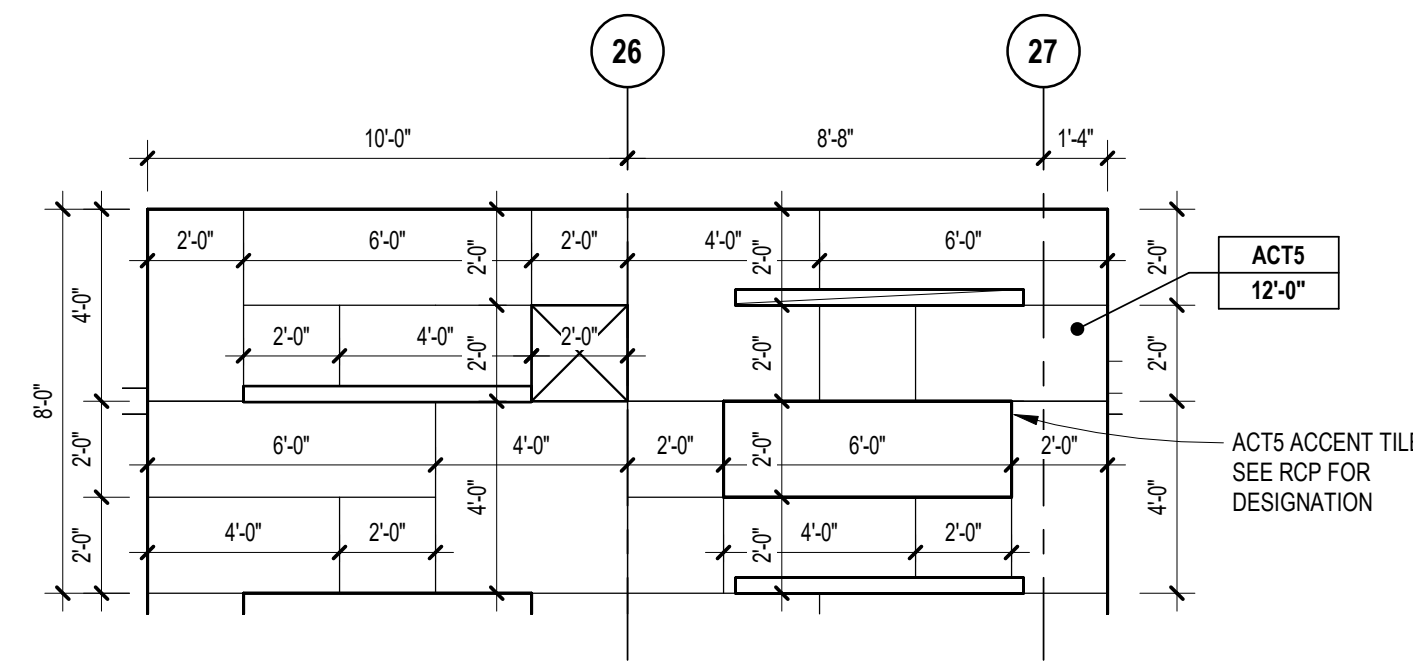
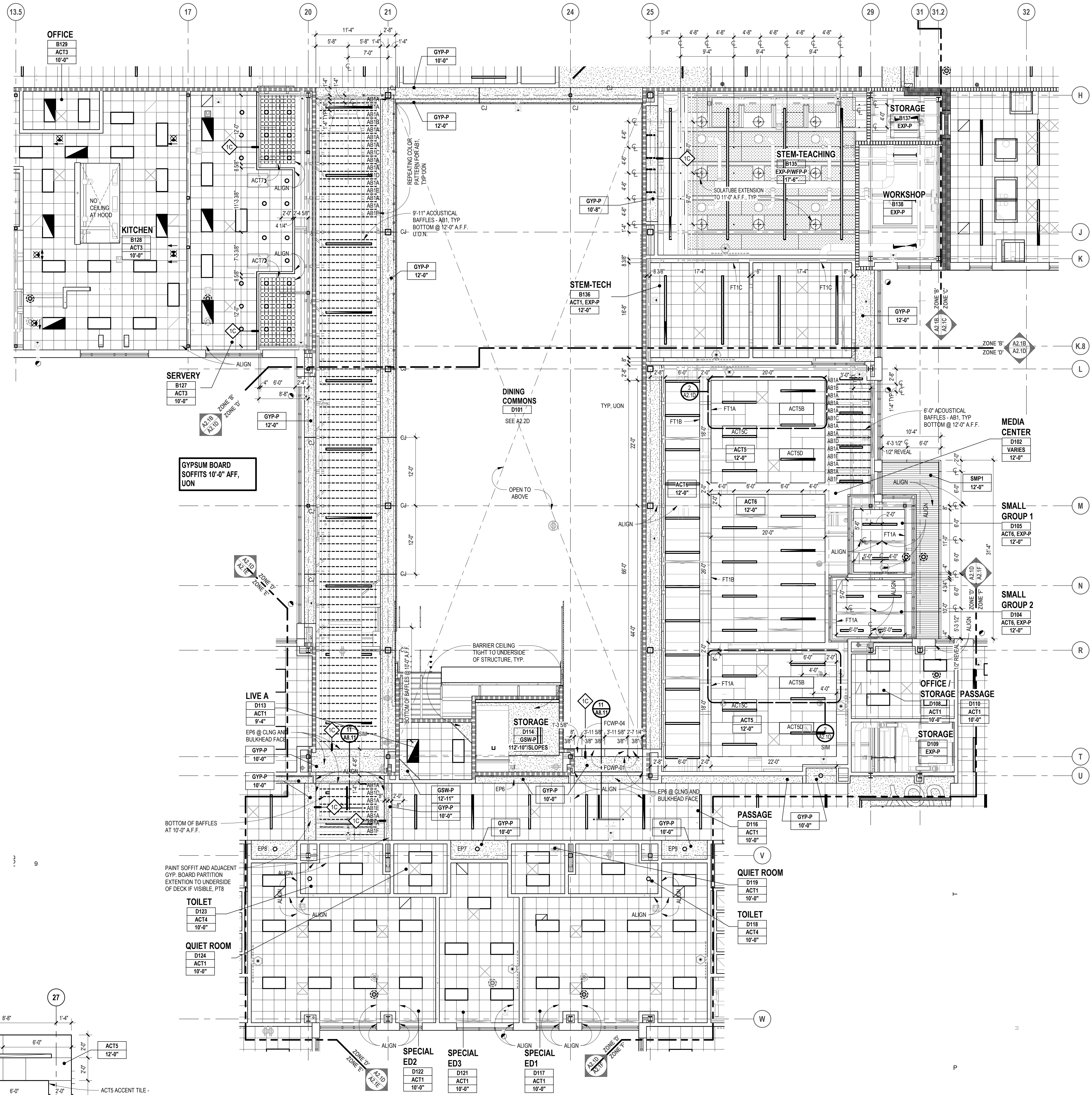


ISSUE DATES

DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:
DRAWN	do
CHECKED	ju
APPROVED	dl

PROJECT NO.  
**22102**  
DRAWING NO.  
**A2.1D**

FIXTURE LEGEND	
[Symbol]	RECESSED L.E.D. TROFFER (2'x4' / 1'x4')
[Symbol]	L.E.D. INDUSTRIAL FIXTURE
[Symbol]	SURFACE MOUNTED LINEAR L.E.D. FIXTURE
[Symbol]	PENDANT MOUNTED LINEAR L.E.D. FIXTURE
[Symbol]	RECESSED DOWNLIGHT
[Symbol]	EXIT SIGN
[Symbol]	SPEAKER
FIRE / LIFE SAFETY FIXTURES - SEE ELECTRICAL, FIRE PROTECTION, PLUMBING, AND TECHNOLOGY DRAWINGS & SPECIFICATIONS	
MECHANICAL EQUIPMENT / FIXTURES - SEE MECHANICAL DRAWINGS & SPECIFICATIONS	
[Symbol]	SUPPLY DIFFUSER
[Symbol]	RETURN-AIR / EXHAUST GRILLE
CEILING KEY	
[Symbol]	GYPSUM BOARD (PAINTED) OR INTERIOR / EXTERIOR FINISH SYSTEM CEILING / SOFFIT
[Symbol]	SUSPENDED LAY-IN ACOUSTICAL CEILING - SEE SPECIFICATIONS FOR SIZES
[Symbol]	EXPOSED CONSTRUCTION (PAINTED U.O.N.)
[Symbol]	2x4 SUSPENDED LAY-IN ACOUSTICAL CEILING MATCHING ADJACENT CEILING TILE CUT TILE TO FIT LARGER GRID SIZE AT SPACE PERIMETER.
CEILING LEGEND	
ROOM/CEILING TAGS	CEILING FINISH TAG
ROOM NAME AND NUMBER PLUS GENERAL CEILING FINISH AND HEIGHT UNLESS OTHERWISE NOTED CEILING FINISH TAGS.	SPECIFIC FINISH / HEIGHT WHERE VARYING FROM GENERAL ROOM / CEILING TAGS.
<b>ROOM NAME</b> ← ROOM NAME ACT ← CEILING FINISH ABBREVIATION (SEE BELOW) → ACT 8'-0" ← CEILING HEIGHT (AFF) → 8'-0"	
CEILING FINISH ABBREVIATIONS	
AB	ACOUSTICAL BAFFLE PANEL - SUSPENDED
ACT	ACOUSTICAL LAY-IN CEILING TILE
ALUM	ALUMINUM PANEL
AWFP	ACOUSTICAL WOOD FIBER PANELS - SURFACE MOUNTED
AWP	ACOUSTICAL WOOD FIBER PANELS - PAINTED
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DPP	MOLDED DIFFUSER PANEL
EXP-P	EXPOSED CONSTRUCTION - PAINTED
EXP-UF	EXPOSED CONSTRUCTION - UNFINISHED
F1	FASCIA TRIM AT CEILING PERIMETER
GYP-P	GYPSUM BOARD PAINTED
GYP-EP	GYPSUM BOARD - EPOXY PAINTED
OCMC	OPEN CELL METAL CEILING
PD	PAINTED
RPD	RADIANT CEILING PANELS
UF	UNFINISHED
SMP	SOFFIT METAL PANEL
WFP-P	CEMENTITIOUS WOOD FIBER PANEL - PAINTED
NOTES	
1.	REFER TO FINISH PLANS FOR INFORMATION ON ROOM FINISHES.
2.	REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MATERIALS AND CONSTRUCTION.
3.	WHERE EXPOSED CONSTRUCTION IS INDICATED TO BE PAINTED, THIS SHALL INCLUDE ALL STRUCTURAL MEMBERS, ROOF / FLOOR DECK, DUCTWORK, DIFFUSERS, GRILLES, PIPING, SUSPENDED EQUIPMENT, CONDUITS, ETC. (U.O.N.).
WALL FIRE RATING LEGEND	
[Symbol]	2-HOUR FIRE WALL FOR AREA COMPLIANCE
[Symbol]	2-HOUR FIRE BARRIER FOR ELECTRICAL
[Symbol]	1-HOUR FIRE BARRIER FOR EXIT ENCLOSURES & ELEVATORS
[Symbol]	1-HOUR FIRE BARRIER AT HVAC SHAFTS
[Symbol]	1-HOUR FIRE BARRIER FOR SCIENCE LABS
[Symbol]	1-HOUR FIRE BARRIER HAZARDS / INCIDENTAL USES
[Symbol]	SMOKE BARRIER FOR VERTICALLY COMMUNICATING SPACES
[Symbol]	SMOKE PARTITION FOR EGRESS CORRIDORS
[Symbol]	NON RATED WALLS TO STRUCTURE ABOVE
GENERAL NOTES	
1.	REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES. REFER ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION PERTAINING TO ELECTRICAL AND MECHANICAL WORK.
2.	COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY TRADE. SPOT ALL LOCATIONS WITHIN FIXED GYPSUM BOARD CEILINGS AND RECEIVE APPROVAL FROM THE ARCHITECT'S FIELD REPRESENTATIVE BEFORE PLACEMENT.
3.	COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTS.
4.	ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS (ABOVE ACCESSIBLE CEILINGS) SHALL BE MARKED EVERY 30" HORIZONTALLY AND WITHIN 15" OF ENDS OF WALLS. "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS". REFER TO CURRENT BUILDING CODE FOR LETTERING HEIGHT, STROKE AND CONTRAST.
5.	ALL GYPSUM BOARD FASCIAE @ SOFFITS, ADJACENT TO LAY-IN CEILINGS, SHALL EXTEND 4" MINIMUM ABOVE LAY-IN CEILINGS.
6.	INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C841. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
7.	PROVIDE WOOD BLOCKING ABOVE GYPSUM BOARD CEILINGS, AS REQUIRED FOR MISCELLANEOUS SUSPENDED ITEMS (E.G. CURTAIN TRACKS, WINDOW SHADES, ACOUSTICAL BAFFLES, ETC.).
8.	REFER TO DRAWING A FOR FURTHER DETAILS PERTAINING TO WALL TERMINATIONS AT STRUCTURE ABOVE.
9.	SEE LIFE SAFETY PLANS FOR DAMPERING REQUIREMENTS.
10.	CENTER SPRINKLER HEADS AT THE CENTER OF CEILING PANEL UNLESS SHOWN OTHERWISE.



ENLARGED FIRST LEVEL REFLECTED CEILING PLAN - MEDIA CENTER D102  
SCALE: 1/4" = 1'-0"

FIRST LEVEL REFLECTED CEILING PLAN - ZONE 'D'  
SCALE: 1/8" = 1'-0"

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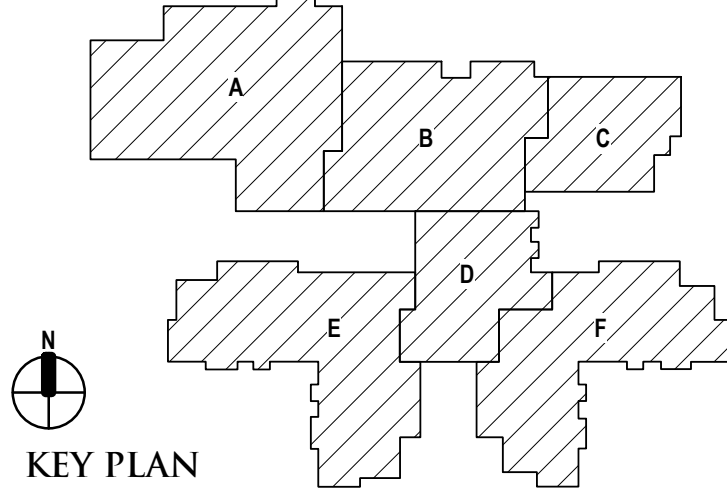
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**First Level Reflected Ceiling Plan - Zone 'F'**



ISSUE DATES

96-18-2024	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:
DRAWN	do
CHECKED	ju
APPROVED	dt

PROJECT NO.  
**22102**  
DRAWING NO.  
**A2.1F**

**FIXTURE LEGEND**

- RECESSED L.E.D. TROFFER (2x4 / 1x4)
  - L.E.D. INDUSTRIAL FIXTURE
  - SURFACE MOUNTED LINEAR L.E.D. FIXTURE
  - PENDANT MOUNTED LINEAR L.E.D. FIXTURE
  - RECESSED DOWNLIGHT
  - EXIT SIGN
  - SPEAKER
- FIRE / LIFE SAFETY FIXTURES: SEE ELECTRICAL, FIRE PROTECTION, PLUMBING, AND TECHNOLOGY DRAWINGS & SPECIFICATIONS
- MECHANICAL EQUIPMENT / FIXTURES - SEE MECHANICAL DRAWINGS & SPECIFICATIONS
- SUPPLY DIFFUSER
  - RETURN-AIR / EXHAUST GRILLE

**CEILING KEY**

- GYPSUM BOARD (PAINTED) OR INTERIOR / EXTERIOR FINISH SYSTEM CEILING / SOFFIT
- SUSPENDED LAY-IN ACOUSTICAL CEILING - SEE SPECIFICATIONS FOR SIZES
- EXPOSED CONSTRUCTION (PAINTED U.O.N.)
- 2x4 SUSPENDED LAY-IN ACOUSTICAL CEILING MATCHING ADJACENT CEILING TILE. CUT TILE TO FIT LARGER GRID SIZE AT SPACE PERIMETER.

**CEILING LEGEND**

- ROOM/CEILING TAGS
- ROOM NAME AND NUMBER PLUS GENERAL CEILING FINISH AND HEIGHT UNLESS OTHERWISE NOTED CEILING FINISH TAGS.
- ROOM NAME <- ROOM NUMBER
- ACT <- CEILING FINISH ABBREVIATION (SEE BELOW) >- ACT
- 8'-2" <- CEILING HEIGHT (AFF) >- 8'-2"

**CEILING FINISH ABBREVIATIONS**

- AB ACOUSTICAL BAFFLE PANEL - SUSPENDED
- ACT ACOUSTICAL LAY-IN CEILING TILE
- ALUM ALUMINUM PANEL
- AWFP ACOUSTICAL WOOD FIBER PANELS - SURFACE MOUNTED
- AWP ACOUSTICAL WALL PANEL
- DMS DIRECT APPLIED EXTERIOR FINISH SYSTEM (SYNTHETIC VENEER PLASTER)
- DFP MOLDED DIFFUSER PANEL
- EXP-P EXPOSED CONSTRUCTION - PAINTED
- EXP-U EXPOSED CONSTRUCTION - UNFINISHED
- FT1 FASCIA TRIM AT CEILING PERIMETER
- GWB-P GYPSUM BOARD SHIRT WALL - PAINTED - SEE LS SHEETS FOR RATING
- GYP-P GYPSUM BOARD - PAINTED
- GYP-EP GYPSUM BOARD - EPOXY PAINTED
- OCMC OPEN CELL METAL CEILING
- PTD PAINTED
- RCP RADIANT CEILING PANELS
- UF UNFINISHED
- SMP1 SOFFIT METAL PANEL
- WFP-P CEMENTITIOUS WOOD FIBER PANEL - PAINTED

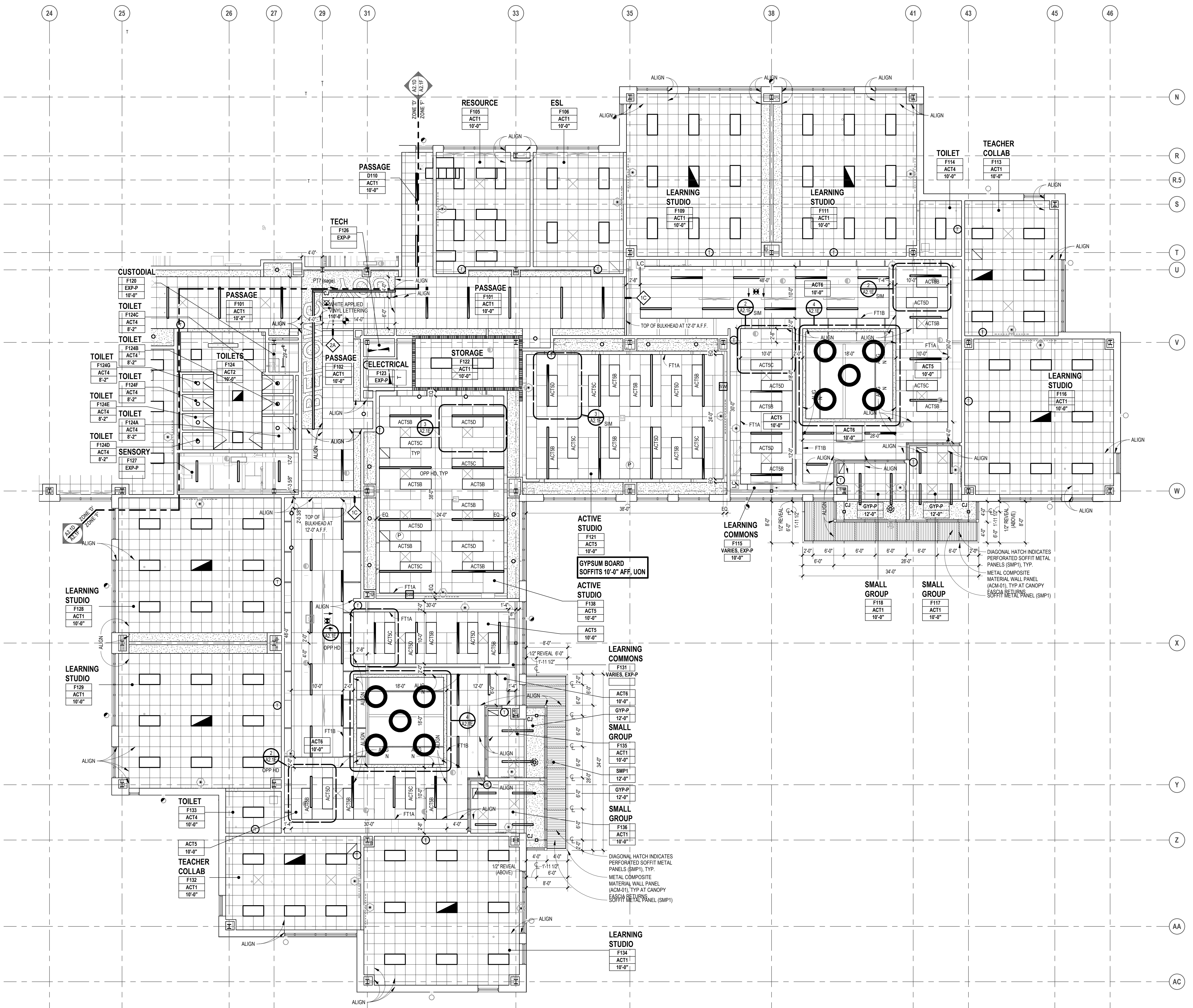
- NOTES
- REFER TO FINISH PLANS FOR INFORMATION ON ROOM FINISHES.
  - REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MATERIALS AND CONSTRUCTION.
  - WHERE EXPOSED CONSTRUCTION IS INDICATED TO BE PAINTED, THIS SHALL INCLUDE ALL STRUCTURAL MEMBERS, ROOF / FLOOR DECK, DUCTWORK, DIFFUSERS, GRILLES, PIPING, SUSPENDED EQUIPMENT, CONDUITS, ETC. (U.O.N.).

**WALL FIRE RATING LEGEND**

- 2-HOUR FIRE WALL FOR AREA COMPLIANCE
- 2-HOUR FIRE BARRIER FOR ELECTRICAL
- 1-HOUR FIRE BARRIER FOR EXIT ENCLOSURES & ELEVATORS
- 1-HOUR FIRE BARRIER AT HVAC SHAFTS
- 1-HOUR FIRE BARRIER FOR SCIENCE LABS
- 1-HOUR FIRE BARRIER HAZARDS / INCIDENTAL USES
- SMOKE BARRIER FOR VERTICALLY COMMUNICATING SPACES
- SMOKE PARTITION FOR EGRESS CORRIDORS
- NON RATED WALLS TO STRUCTURE ABOVE

**GENERAL NOTES**

- REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES. REFER ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION PERTAINING TO ELECTRICAL AND MECHANICAL WORK.
- COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY TRADE. SPOT ALL LOCATIONS WITHIN FIXED GYPSUM BOARD CEILINGS AND RECEIVE APPROVAL FROM THE ARCHITECT'S FIELD REPRESENTATIVE BEFORE PLACEMENT.
- COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTS.
- ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS (ABOVE ACCESSIBLE CEILINGS) SHALL BE MARKED EVERY 30" HORIZONTALLY AND WITHIN 15" OF ENDS OF WALLS. "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS". REFER TO CURRENT BUILDING CODE FOR LETTERING HEIGHT, STROKE AND CONTRAST.
- ALL GYPSUM BOARD FASCIA @ SOFFITS, ADJACENT TO LAY-IN CEILINGS, SHALL EXTEND 4" MINIMUM ABOVE LAY-IN CEILINGS.
- INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS AND WITH GENERAL REQUIREMENTS OF ASTM C841. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
- PROVIDE WOOD BLOCKING, ABOVE GYPSUM BOARD CEILINGS, AS REQUIRED FOR MISCELLANEOUS SUSPENDED ITEMS (e.g. CURTAIN TRACKS, WINDOW SHADES, ACOUSTICAL BAFFLES, ETC.).
- REFER TO DRAWINGS A\_\_\_ FOR TYPICAL DETAILS PERTAINING TO WALL TERMINATIONS AT STRUCTURE ABOVE.
- SEE LIFE SAFETY PLANS FOR DAMPERING REQUIREMENTS.
- CENTER SPRINKLER HEADS AT THE CENTER OF CEILING PANEL UNLESS SHOWN OTHERWISE.



FIRST LEVEL REFLECTED CEILING PLAN  
SCALE: 1/8" = 1'-0"

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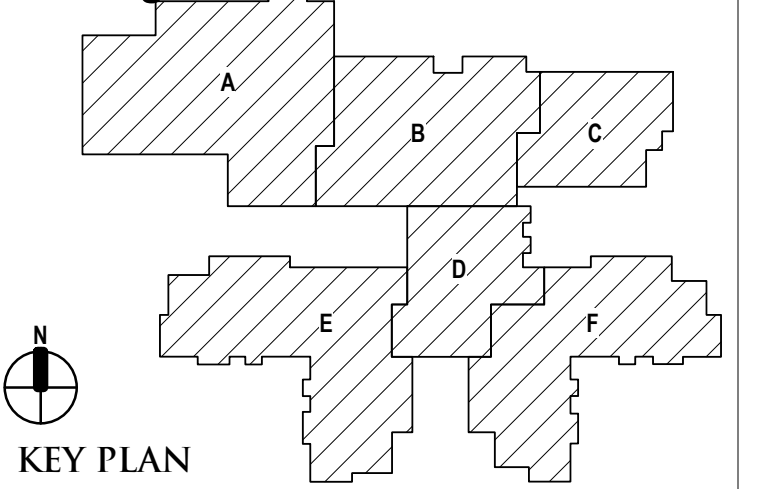
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
 MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

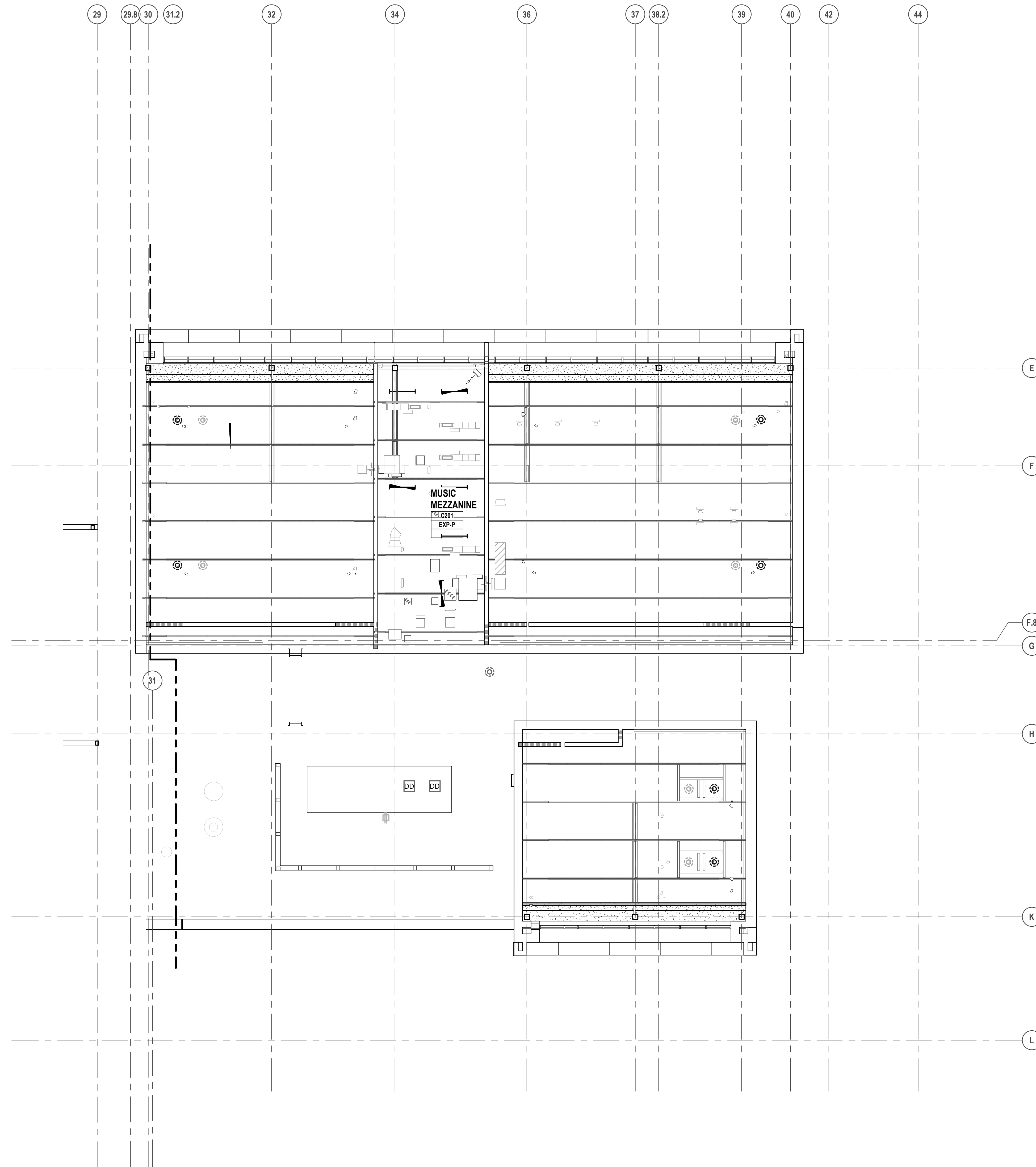
DRAWING TITLE  
**Mezzanine Level Reflected  
 Ceiling Plan - Zone 'C'**



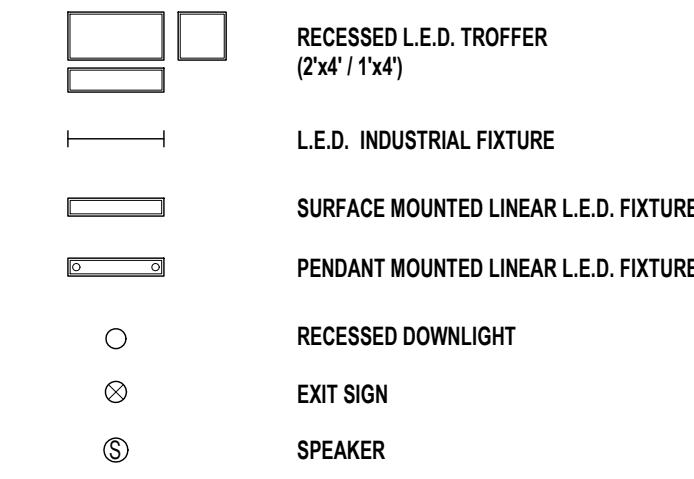
ISSUE DATES

DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS

PROJECT NO.  
**22102**  
 DRAWING NO.  
**A2.2C**

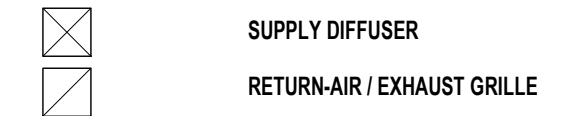


**FIXTURE LEGEND**

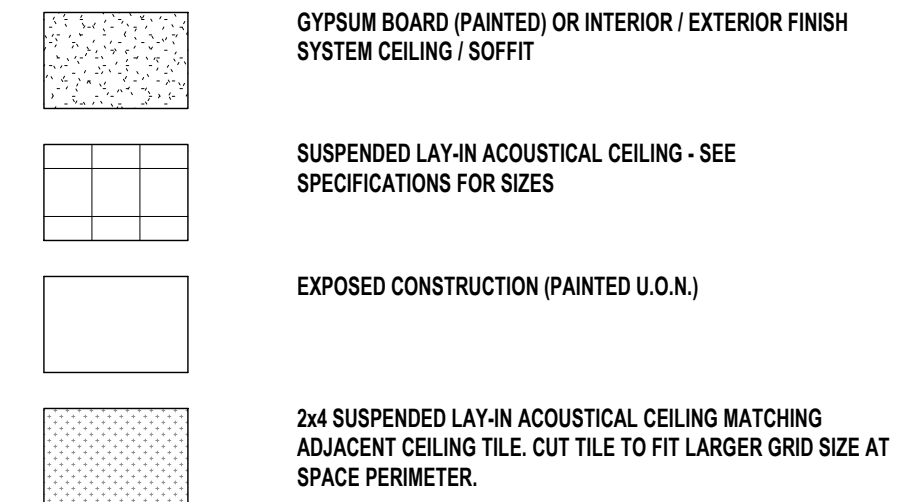


FIRE / LIFE SAFETY FIXTURES: SEE ELECTRICAL, FIRE PROTECTION, PLUMBING, AND TECHNOLOGY DRAWINGS & SPECIFICATIONS.

MECHANICAL EQUIPMENT / FIXTURES - SEE MECHANICAL DRAWINGS & SPECIFICATIONS.



**CEILING KEY**



**CEILING LEGEND**

ROOM/CEILING TAGS ROOM NAME AND NUMBER PLUS GENERAL CEILING FINISH AND HEIGHT UNLESS OTHERWISE NOTED CEILING FINISH TAGS.  
 CEILING FINISH TAG SPECIFIC FINISH / HEIGHT WHERE VARYING FROM GENERAL ROOM / CEILING TAGS.

ROOM NAME < - ROOM NUMBER  
 ACT - CEILING FINISH ABBREVIATION (SEE BELOW) - ACT  
 8'-0" - CEILING HEIGHT (AFF) - 8'-0"

**CEILING FINISH ABBREVIATIONS**

- AB ACOUSTICAL BAFFLE PANEL - SUSPENDED
- ACT ACOUSTICAL LAY-IN CEILING TILE
- ALUM ALUMINUM PANEL
- AWFP ACOUSTICAL WOOD FIBER PANELS - SURFACE MOUNTED
- AWP ACOUSTICAL WALL PANEL
- DMS DIRECT APPLIED EXTERIOR FINISH SYSTEM (SYNTHETIC VENEER PLASTER)
- DPF MOLDED DIFFUSER PANEL
- EXP EXPOSED CONSTRUCTION - PAINTED
- EXP-UF EXPOSED CONSTRUCTION - UNFINISHED
- F1 FASCIA TRIM AT CEILING PERIMETER
- GSW-P GYPSUM BOARD SHIRT WALL - PAINTED - SEE LS SHEETS FOR RATING
- GY-P GYPSUM BOARD - PAINTED
- GY-EP GYPSUM BOARD - EPOXY PAINTED
- OCMC OPEN CELL METAL CEILING
- OTD PAINTED
- PCP RADIANT CEILING PANELS
- UF UNFINISHED
- SMF-P SOFFIT METAL PANEL
- WFP-P CEMENTITIOUS WOOD FIBER PANEL - PAINTED

- NOTES
- REFER TO FINISH PLANS FOR INFORMATION ON ROOM FINISHES.
  - REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MATERIALS AND CONSTRUCTION.
  - WHERE EXPOSED CONSTRUCTION IS INDICATED TO BE PAINTED, THIS SHALL INCLUDE ALL STRUCTURAL MEMBERS, ROOF / FLOOR DECK, DUCTWORK, DIFFUSERS, GRILLES, PIPING, SUSPENDED EQUIPMENT, CONDUITS, ETC. (U.O.N.).

**WALL FIRE RATING LEGEND**

- 2-HOUR FIRE WALL FOR AREA COMPLIANCE
- 2-HOUR FIRE BARRIER FOR ELECTRICAL
- 1-HOUR FIRE BARRIER FOR EXIT ENCLOSURES & ELEVATORS
- 1-HOUR FIRE BARRIER AT HVAC SHAFTS
- 1-HOUR FIRE BARRIER FOR SCIENCE LABS
- 1-HOUR FIRE BARRIER HAZARDS / INCIDENTAL USES
- SMOKE BARRIER FOR VERTICALLY COMMUNICATING SPACES
- SMOKE PARTITION FOR EGRESS CORRIDORS
- NON RATED WALLS TO STRUCTURE ABOVE

**GENERAL NOTES**

- REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES. REFER ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION PERTAINING TO ELECTRICAL AND MECHANICAL WORK.
- COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY TRADE. SPOT ALL LOCATIONS WITHIN FIXED GYPSUM BOARD CEILINGS AND RECEIVE APPROVAL FROM THE ARCHITECT'S FIELD REPRESENTATIVE BEFORE PLACEMENT.
- COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTS.
- ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS (ABOVE ACCESSIBLE CEILINGS) SHALL BE MARKED EVERY 36" HORIZONTALLY AND WITHIN 15'-0" OF ENDS OF WALLS. "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS". REFER TO CURRENT BUILDING CODE FOR LETTERING HEIGHT, STROKE AND CONTRAST.
- ALL GYPSUM BOARD FASCIAE @ SOFFITS, ADJACENT TO LAY-IN CEILINGS, SHALL EXTEND 4" MINIMUM ABOVE LAY-IN CEILINGS.
- INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS AND WITH GENERAL REQUIREMENTS OF ASTM C841. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
- PROVIDE WOOD BLOCKING, ABOVE GYPSUM BOARD CEILINGS, AS REQUIRED FOR MISCELLANEOUS SUSPENDED ITEMS (E.G. CURTAIN TRACKS, WINDOW SHADES, ACOUSTICAL BAFFLES, ETC.).
- REFER TO DRAWINGS A\_\_\_ FOR TYPICAL DETAILS PERTAINING TO WALL TERMINATIONS AT STRUCTURE ABOVE.
- SEE LIFE SAFETY PLANS FOR DAMPERING REQUIREMENTS.
- CENTER SPRINKLER HEADS AT THE CENTER OF CEILING PANEL UNLESS SHOWN OTHERWISE.

MEZZANINE LEVEL REFLECTED CEILING PLAN - ZONE 'C'  
 SCALE: 1/8" = 1'-0"



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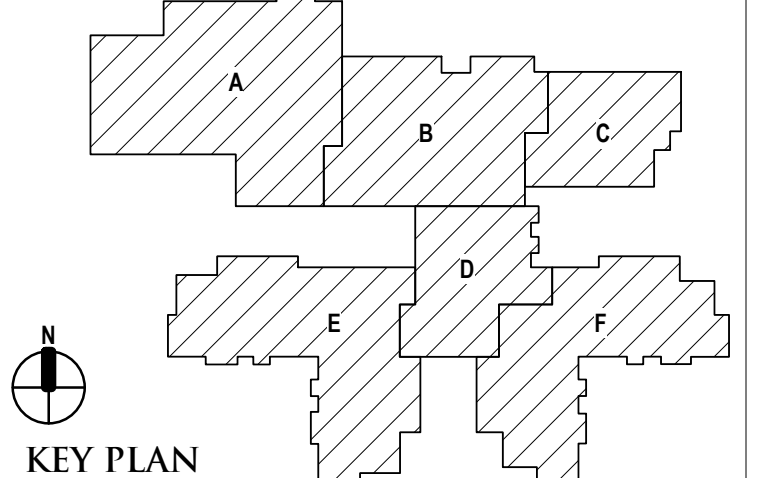
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Second Level Reflected Ceiling  
Plan - Zone 'D'**



ISSUE DATES

DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:
DRAWN	do
CHECKED	jw
APPROVED	dt

PROJECT NO.  
**22102**  
DRAWING NO.  
**A2.2D**

**FIXTURE LEGEND**

- RECESSED L.E.D. TROFFER (2'x4' / 1'x4')
- L.E.D. INDUSTRIAL FIXTURE
- SURFACE MOUNTED LINEAR L.E.D. FIXTURE
- PENDANT MOUNTED LINEAR L.E.D. FIXTURE
- RECESSED DOWNLIGHT
- EXIT SIGN
- SPEAKER

**FIRE / LIFE SAFETY FIXTURES: SEE ELECTRICAL, FIRE PROTECTION, PLUMBING, AND TECHNOLOGY DRAWINGS & SPECIFICATIONS**

**MECHANICAL EQUIPMENT / FIXTURES - SEE MECHANICAL DRAWINGS & SPECIFICATIONS**

- SUPPLY DIFFUSER
- RETURN AIR / EXHAUST GRILLE

**CEILING KEY**

- GYPSUM BOARD (PAINTED) OR INTERIOR / EXTERIOR FINISH SYSTEM CEILING / SOFFIT
- SUSPENDED LAY-IN ACOUSTICAL CEILING - SEE SPECIFICATIONS FOR SIZES
- EXPOSED CONSTRUCTION (PAINTED U.O.N.)
- 2x4 SUSPENDED LAY-IN ACOUSTICAL CEILING MATCHING ADJACENT CEILING TILE CUT TILE TO FIT LARGER GRID SIZE AT SPACE PERIMETER.

**CEILING LEGEND**

**ROOM/CEILING TAGS**  
ROOM NAME AND NUMBER PLUS GENERAL CEILING FINISH AND HEIGHT UNLESS OTHERWISE NOTED CEILING FINISH TAGS.

**CEILING FINISH TAG**  
SPECIFIC FINISH / HEIGHT WHERE VARYING FROM GENERAL ROOM / CEILING TAGS.

**ROOM NAME** ← **ROOM NUMBER**  
ACT ← **CEILING FINISH ABBREVIATION (SEE BELOW)** → ACT  
8'-0" ← **CEILING HEIGHT (AFF)** → 8'-0"

**CEILING FINISH ABBREVIATIONS**

AB	ACOUSTICAL BAFFLE PANEL - SUSPENDED
ACT	ACOUSTICAL LAY-IN CEILING TILE
ALUM	ALUMINUM PANEL
AWFP	ACOUSTICAL WOOD FIBER PANELS - SURFACE MOUNTED
AWP	ACOUSTICAL WALL PANEL
DMS	DIRECT APPLIED EXTERIOR FINISH SYSTEM (SYNTHETIC VENEER PLASTER)
DFP	MOLDED DIFFUSER PANEL
EXP-P	EXPOSED CONSTRUCTION - PAINTED
EXP-U	EXPOSED CONSTRUCTION - UNFINISHED
F11	FASCIA TRIM AT CEILING PERIMETER
GSW-P	GYPSUM BOARD SHIRT WALL - PAINTED - SEE LS SHEETS FOR RATING
GYP-P	GYPSUM BOARD - PAINTED
GYP-EP	GYPSUM BOARD - EPOXY PAINTED
OCMC	OPEN CELL METAL CEILING
PTD	PAINTED
RCP	RADIANT CEILING PANELS
UF	UNFINISHED
SMP1	SOFFIT METAL PANEL
WFP-P	CEMENTITIOUS WOOD FIBER PANEL - PAINTED

**NOTES**

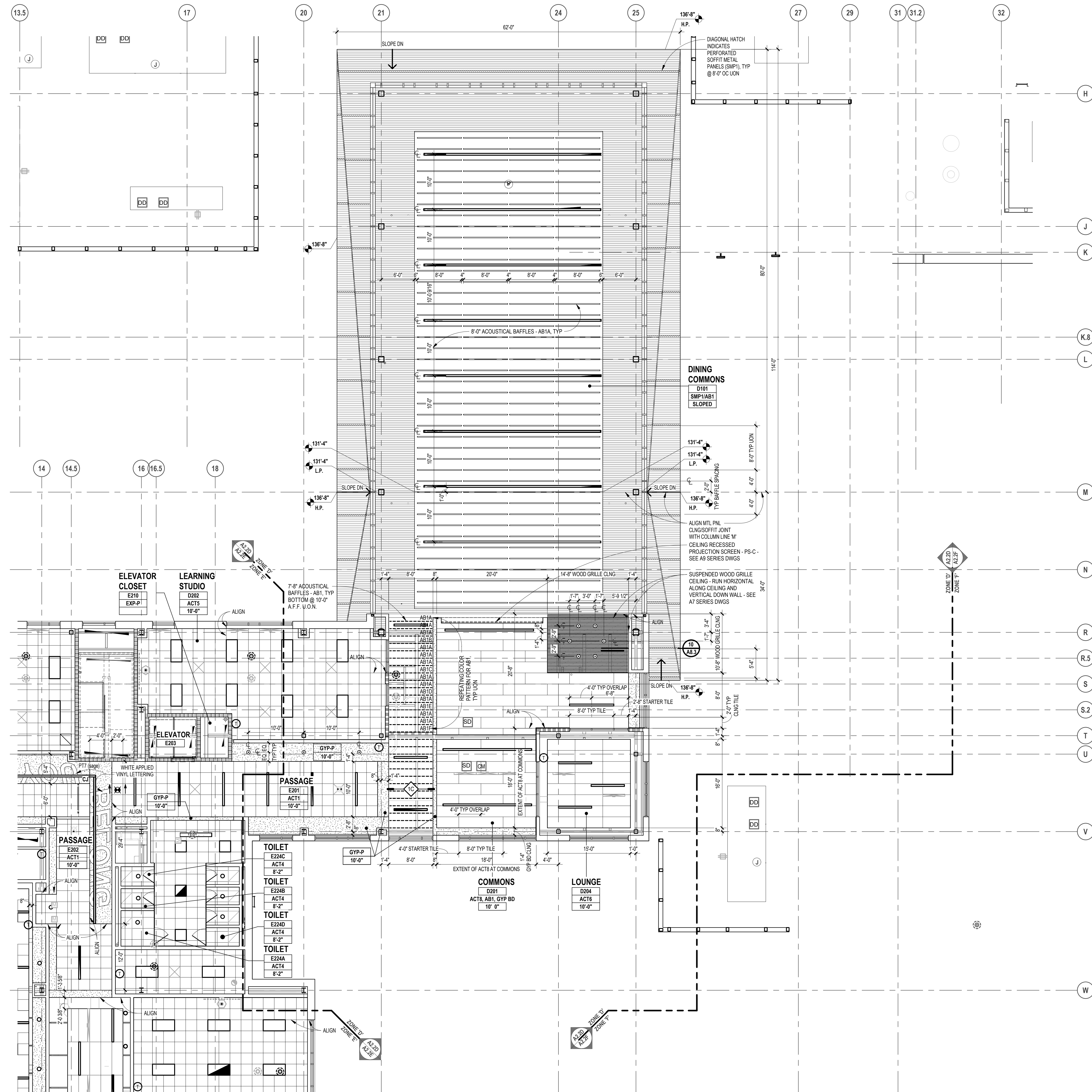
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- WHERE EXPOSED CONSTRUCTION IS INDICATED TO BE PAINTED, THIS SHALL INCLUDE ALL STRUCTURAL MEMBERS, ROOF / FLOOR DECK, DUCTWORK, DIFFUSERS, GRILLES, PIPING, SUSPENDED EQUIPMENT, CONDUITS, ETC. (U.O.N.).

**WALL FIRE RATING LEGEND**

- 2-HOUR FIRE WALL FOR AREA COMPLIANCE
- 2-HOUR FIRE BARRIER FOR ELECTRICAL
- 1-HOUR FIRE BARRIER FOR ELECTRICAL ENCLOSURES & ELEVATORS
- 1-HOUR FIRE BARRIER AT HVAC SHAFTS
- 1-HOUR FIRE BARRIER FOR SCIENCE LABS
- 1-HOUR FIRE BARRIER HAZARDS / INCIDENTAL USES
- SMOKE BARRIER FOR VERTICALLY COMMUNICATING SPACES
- SMOKE PARTITION FOR EGRESS CORRIDORS
- NON RATED WALLS TO STRUCTURE ABOVE

**GENERAL NOTES**

- REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES. REFER ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION PERTAINING TO ELECTRICAL AND MECHANICAL WORK.
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- COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTS.
- ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS (ABOVE ACCESSIBLE CEILINGS) SHALL BE MARKED EVERY 30" HORIZONTALLY AND WITHIN 15" OF ENDS OF WALLS: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS". REFER TO CURRENT BUILDING CODE FOR LETTERING HEIGHT, STROKE AND CONTRAST.
- ALL GYPSUM BOARD FASCIAE @ SOFFITS, ADJACENT TO LAY-IN CEILINGS, SHALL EXTEND 4" MINIMUM ABOVE LAY-IN CEILINGS.
- INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS AND WITH GENERAL REQUIREMENTS OF ASTM C841. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
- PROVIDE WOOD BLOCKING ABOVE GYPSUM BOARD CEILINGS, AS REQUIRED FOR MISCELLANEOUS SUSPENDED ITEMS (e.g. CURTAIN TRACKS, WINDOW SHADES, ACOUSTICAL BAFFLES, ETC.).
- REFER TO DRAWINGS A \_\_\_ FOR TYPICAL DETAILS PERTAINING TO WALL TERMINATIONS AT STRUCTURE ABOVE.
- SEE LIFE SAFETY PLANS FOR DAMPERING REQUIREMENTS.
- CENTER SPRINKLER HEADS AT THE CENTER OF CEILING PANEL UNLESS SHOWN OTHERWISE.



SECOND LEVEL REFLECTED CEILING PLAN - ZONE 'D'  
SCALE: 1/8" = 1'-0"



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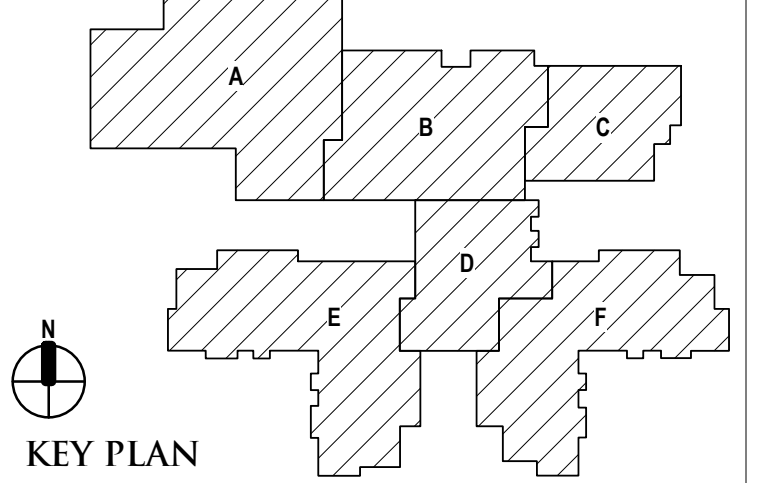
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Second Level Reflected Ceiling  
Plan - Zone 'E'**



ISSUE DATES

DATE	ISSUED FOR
06-18-2024	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:
DRAWN do	
CHECKED jw	
APPROVED dt	

PROJECT NO.  
**22102**  
DRAWING NO.  
**A2.2E**

**FIXTURE LEGEND**

- RECESSED L.E.D. TROFFER (2'x4' / 1'x4')
- L.E.D. INDUSTRIAL FIXTURE
- SURFACE MOUNTED LINEAR L.E.D. FIXTURE
- PENDANT MOUNTED LINEAR L.E.D. FIXTURE
- RECESSED DOWNLIGHT
- EXIT SIGN
- SPEAKER

FIRE / LIFE SAFETY FIXTURES: SEE ELECTRICAL, FIRE PROTECTION, PLUMBING, AND TECHNOLOGY DRAWINGS & SPECIFICATIONS

MECHANICAL EQUIPMENT / FIXTURES: SEE MECHANICAL DRAWINGS & SPECIFICATIONS

- SUPPLY DIFFUSER
- RETURN-AIR / EXHAUST GRILLE

**CEILING KEY**

- GYPSUM BOARD (PAINTED) OR INTERIOR / EXTERIOR FINISH SYSTEM CEILING / SOFFIT
- SUSPENDED LAY-IN ACOUSTICAL CEILING - SEE SPECIFICATIONS FOR SIZES
- EXPOSED CONSTRUCTION (PAINTED U.O.N.)
- 2x4 SUSPENDED LAY-IN ACOUSTICAL CEILING MATCHING ADJACENT CEILING L.E.D. CUT TILE TO FIT LARGER GRID SIZE AT SPACE PERIMETER.

**CEILING LEGEND**

- ROOM CEILING TAGS
- CEILING FINISH TAG

ROOM NAME AND NUMBER PLUS GENERAL CEILING FINISH AND HEIGHT UNLESS OTHERWISE NOTED CEILING FINISH TAGS.  
ROOM NAME <- ROOM NUMBER  
ACT <- CEILING FINISH ABBREVIATION (SEE BELOW) >- ACT  
8'-0" <- CEILING HEIGHT (AFF) >- 8'-0"

**CEILING FINISH ABBREVIATIONS**

- AB ACOUSTICAL BAFFLE PANEL - SUSPENDED
- ACT ACOUSTICAL LAY-IN CEILING TILE
- ALUM ALUMINUM PANEL
- AWFP ACOUSTICAL WOOD FIBER PANELS - SURFACE MOUNTED
- AWP ACOUSTICAL WALL PANEL
- DMS DIRECT APPLIED EXTERIOR FINISH SYSTEM (SYNTHETIC VENEER PLASTER)
- DFP MOLDED DIFFUSER PANEL
- EXP-P EXPOSED CONSTRUCTION - PAINTED
- EXP-U EXPOSED CONSTRUCTION - UNFINISHED
- FT1 FASCIA TRIM AT CEILING PERIMETER
- GWP-P GYPSUM BOARD SHIRT WALL - PAINTED - SEE LS SHEETS FOR RATING
- GYP-P GYPSUM BOARD - PAINTED
- GYP-EP GYPSUM BOARD - EPOXY PAINTED
- OCMC OPEN CELL METAL CEILING
- PTD PAINTED
- RPC RADIANT CEILING PANELS
- UF UNFINISHED
- SMP1 SOFFIT METAL PANEL
- WFP-P CEMENTITIOUS WOOD FIBER PANEL - PAINTED

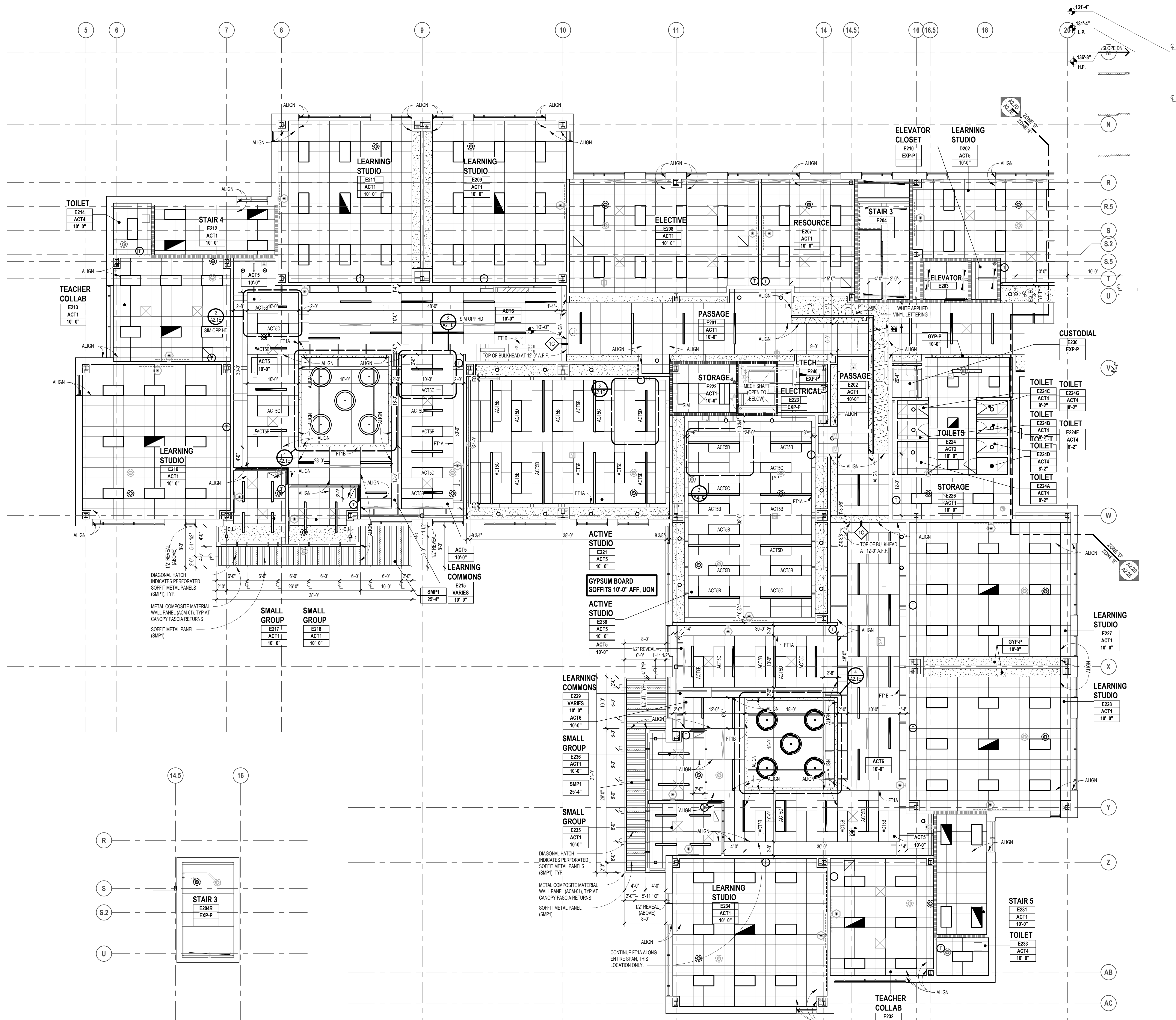
- NOTES**
- REFER TO FINISH PLANS FOR INFORMATION ON ROOM FINISHES.
  - REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MATERIALS AND CONSTRUCTION.
  - WHERE EXPOSED CONSTRUCTION IS INDICATED TO BE PAINTED, THIS SHALL INCLUDE ALL STRUCTURAL MEMBERS, ROOF / FLOOR DECK, DUCTWORK, DIFFUSERS, GRILLES, PIPING, SUSPENDED EQUIPMENT, CONDUITS, ETC. (U.O.N.).

**WALL FIRE RATING LEGEND**

- 2-HOUR FIRE WALL FOR AREA COMPLIANCE
- 2-HOUR FIRE BARRIER FOR ELECTRICAL
- 1-HOUR FIRE BARRIER FOR EXIT ENCLOSURES & ELEVATORS
- 1-HOUR FIRE BARRIER AT HVAC SHAFTS
- 1-HOUR FIRE BARRIER FOR SCIENCE LABS
- 1-HOUR FIRE BARRIER FOR HAZARDOUS / INCIDENTAL USES
- SMOKE BARRIER FOR VERTICALLY COMMUNICATING SPACES
- SMOKE PARTITION FOR EGRESS CORRIDORS
- NON RATED WALLS TO STRUCTURE ABOVE

**GENERAL NOTES**

- REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES. REFER ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION PERTAINING TO ELECTRICAL AND MECHANICAL WORK.
- COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY TRADE. SPOT ALL LOCATIONS WITHIN GYPSUM BOARD CEILINGS AND RECEIVE APPROVAL FROM THE ARCHITECT'S FIELD REPRESENTATIVE BEFORE PLACEMENT.
- COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTS.
- ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS (ABOVE ACCESSIBLE CEILINGS) SHALL BE MARKED EVERY 30" HORIZONTALLY AND WITHIN 15'-0" OF ENDS OF WALLS: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS". REFER TO CURRENT BUILDING CODE FOR LETTERING HEIGHT, STROKE AND CONTRAST.
- ALL GYPSUM BOARD FASCIAE @ SOFFITS, ADJACENT TO LAY-IN CEILINGS, SHALL EXTEND 4" MINIMUM ABOVE LAY-IN CEILINGS.
- INSTALL CONTROL JOINTS IN GYPSUM BOARD AND METAL STUD-FRAMED PARTITIONS, WALLS, CEILINGS, BULKHEADS, FASCIAE AND SOFFITS IN COMPLIANCE WITH SPECIFICATIONS, AND WITH GENERAL REQUIREMENTS OF ASTM C841. PRIOR TO COMMENCEMENT OF FRAMING INSTALLATION SUBMIT COORDINATION DRAWINGS INDICATING PROPOSED LOCATIONS OF ALL CONTROL JOINTS, AS SPECIFIED.
- PROVIDE WOOD BLOCKING, ABOVE GYPSUM BOARD CEILINGS, AS REQUIRED FOR MISCELLANEOUS SUSPENDED ITEMS (E.G. CURTAIN TRACKS, WINDOW SHADES, ACOUSTICAL BAFFLES, ETC.).
- REFER TO DRAWINGS A... FOR TYPICAL DETAILS PERTAINING TO WALL TERMINATIONS AT STRUCTURE ABOVE.
- SEE LIFE SAFETY PLANS FOR DAMPERING REQUIREMENTS.
- CENTER SPRINKLER HEADS AT THE CENTER OF CEILING PANEL UNLESS SHOWN OTHERWISE.



REFLECTED CEILING PLAN - STAIR TO ROOF  
SCALE: 1/8" = 1'-0"

SECOND LEVEL REFLECTED CEILING PLAN - ZONE 'E'  
SCALE: 1/8" = 1'-0"





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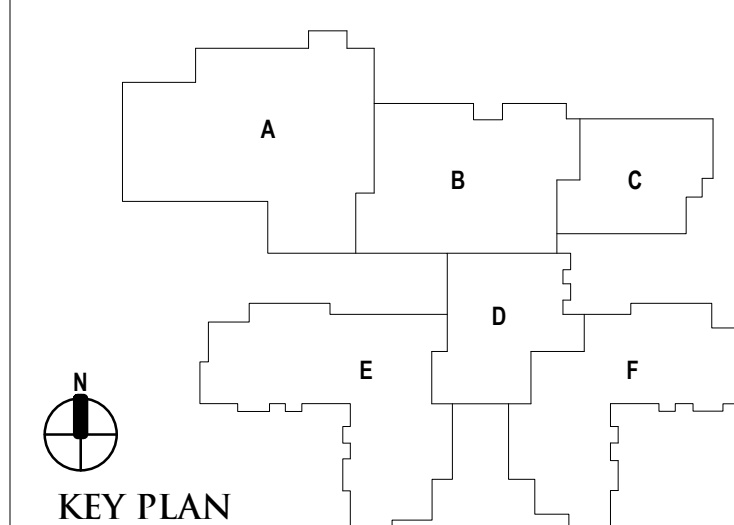
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Composite Exterior Elevations**



ISSUE DATES

06-18-2024 CONSTRUCTION DOCUMENTS

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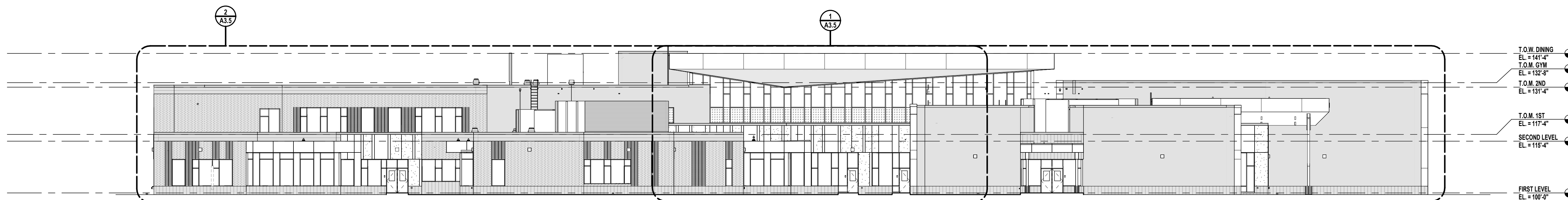
APPROVED dt

PROJECT NO.

**22102**

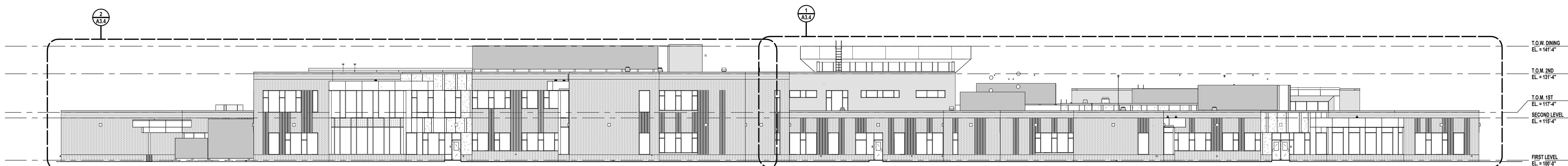
DRAWING NO.

**A3.1**



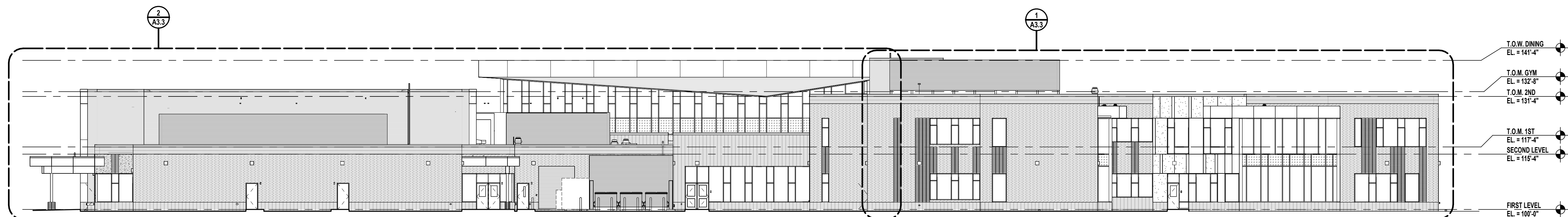
**4** COMPOSITE EAST EXTERIOR  
 AC.1 SCALE: 1/16" = 1'-0"

T.O.W. DINING  
EL = 141'-4"  
 T.O.M. GYM  
EL = 132'-8"  
 T.O.M. 2ND  
EL = 131'-4"  
 T.O.M. 1ST  
EL = 117'-4"  
 SECOND LEVEL  
EL = 115'-4"  
 FIRST LEVEL  
EL = 100'-0"



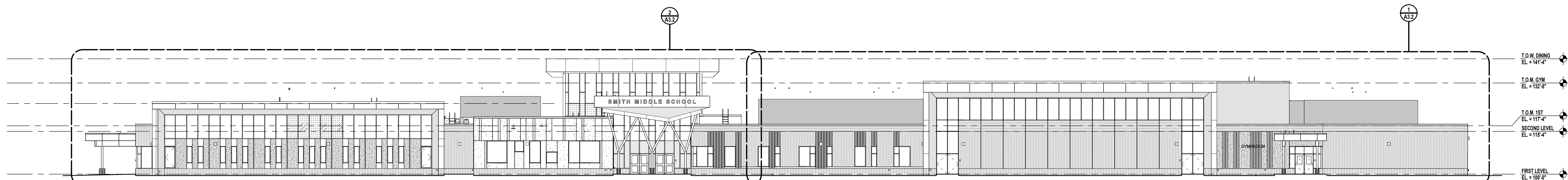
**3** COMPOSITE SOUTH ELEVATION  
 AC.1 SCALE: 1/16" = 1'-0"

T.O.W. DINING  
EL = 141'-4"  
 T.O.M. 2ND  
EL = 131'-4"  
 T.O.M. 1ST  
EL = 117'-4"  
 SECOND LEVEL  
EL = 115'-4"  
 FIRST LEVEL  
EL = 100'-0"



**2** COMPOSITE WEST ELEVATION  
 AC.1 SCALE: 1/16" = 1'-0"

T.O.W. DINING  
EL = 141'-4"  
 T.O.M. GYM  
EL = 132'-8"  
 T.O.M. 2ND  
EL = 131'-4"  
 T.O.M. 1ST  
EL = 117'-4"  
 SECOND LEVEL  
EL = 115'-4"  
 FIRST LEVEL  
EL = 100'-0"



**1** COMPOSITE NORTH ELEVATION  
 AC.1 SCALE: 1/16" = 1'-0"

T.O.W. DINING  
EL = 141'-4"  
 T.O.M. GYM  
EL = 132'-8"  
 T.O.M. 1ST  
EL = 117'-4"  
 SECOND LEVEL  
EL = 115'-4"  
 FIRST LEVEL  
EL = 100'-0"



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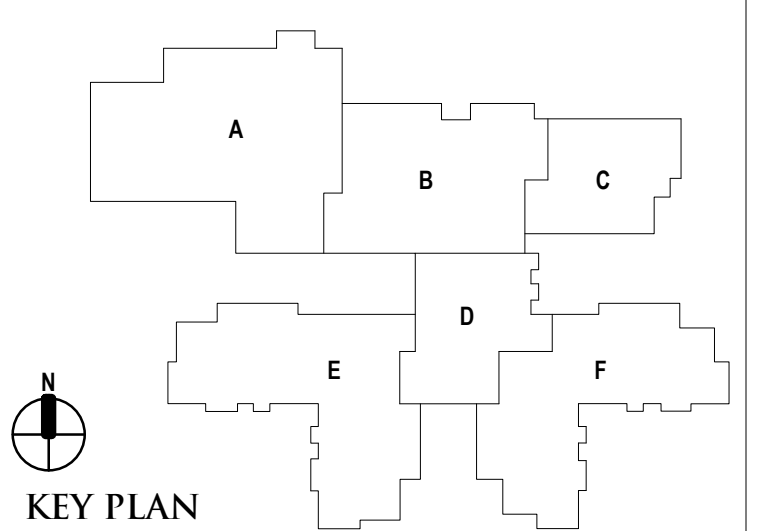
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PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Exterior Elevations**



ISSUE DATES

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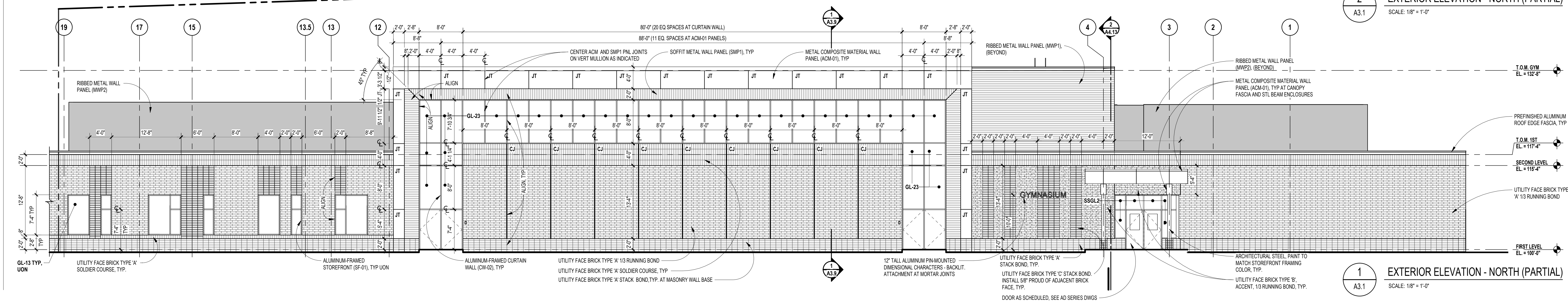
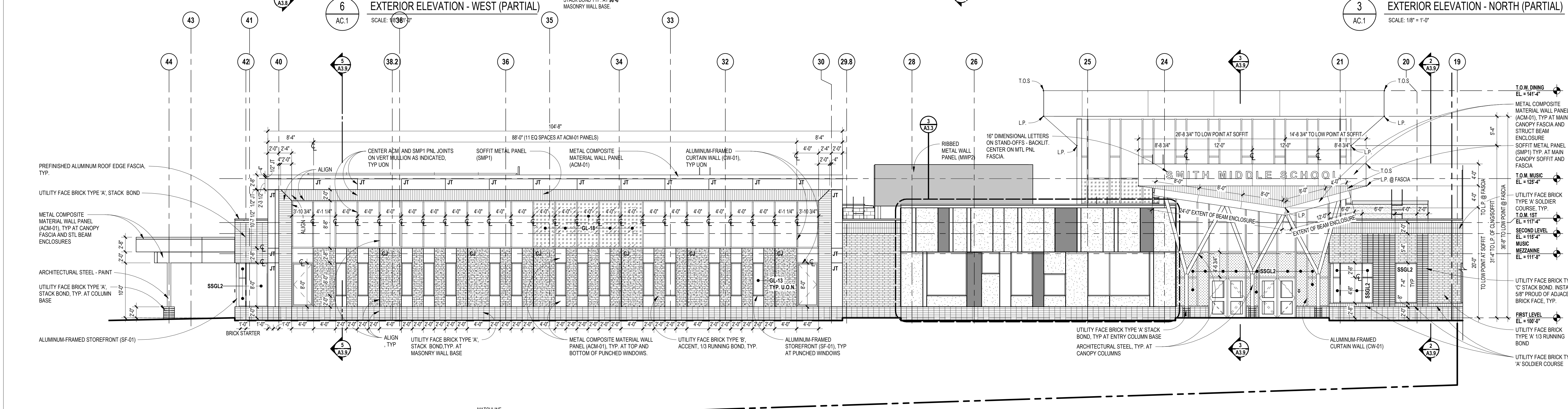
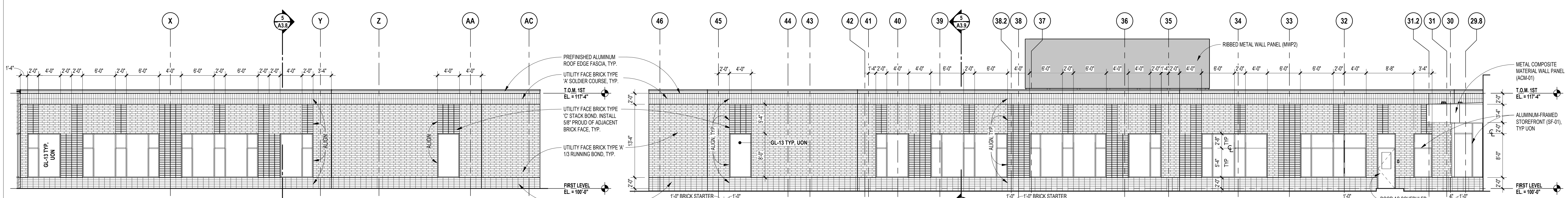
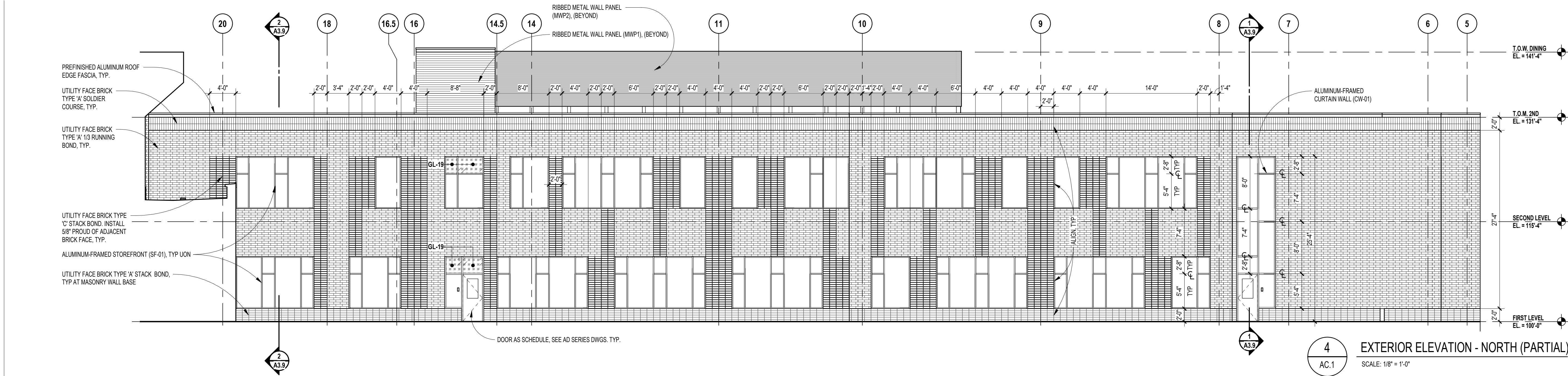
PROJECT NO.

**22102**

DRAWING NO.

**A3.2**

GLAZING TYPES	
GL-2	1/4" (6mm) CLEAR TEMPERED MONOLITHIC GLASS
GL-4	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS
GL-8	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS w/ TINTED INTERLAYER
GL-13	1" (25mm) CLEAR TEMPERED INSULATING GLASS (LOW-E)
GL-18	1" (25mm) CLEAR TEMPERED INSULATING SPANDREL GLASS
GL-19	1" (25mm) CLEAR TEMPERED INSULATING GLASS (LOW-E) w/ APPLIED FRIT
GL-21	1" (25mm) CLEAR HEAT-STRENGTHENED LAMINATED INSULATING GLASS
GL-23	1" (25mm) CLEAR TEMPERED w/ TINTED INTERLAYER LAMINATED INSULATING GLASS (LOW-E)
FPGL-2	3/4" (19mm) FIRE PROTECTIVE GLAZING (45 MIN)
FRGL-4	1 1/8" (29mm) FIRE RESISTIVE GLAZING (90 MIN, ASTM E119)
SSGL1	MONOLITHIC SECURITY GLAZING
SSGL2	INSULATED SECURITY GLAZING



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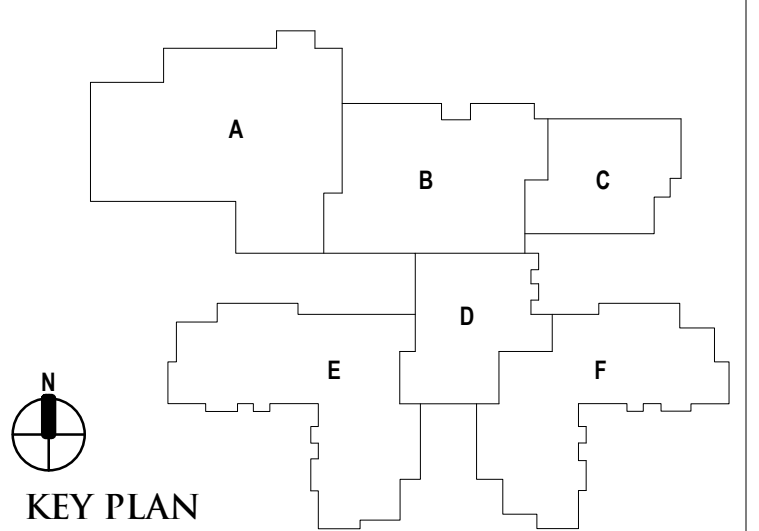
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CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Exterior Elevations**



ISSUE DATES

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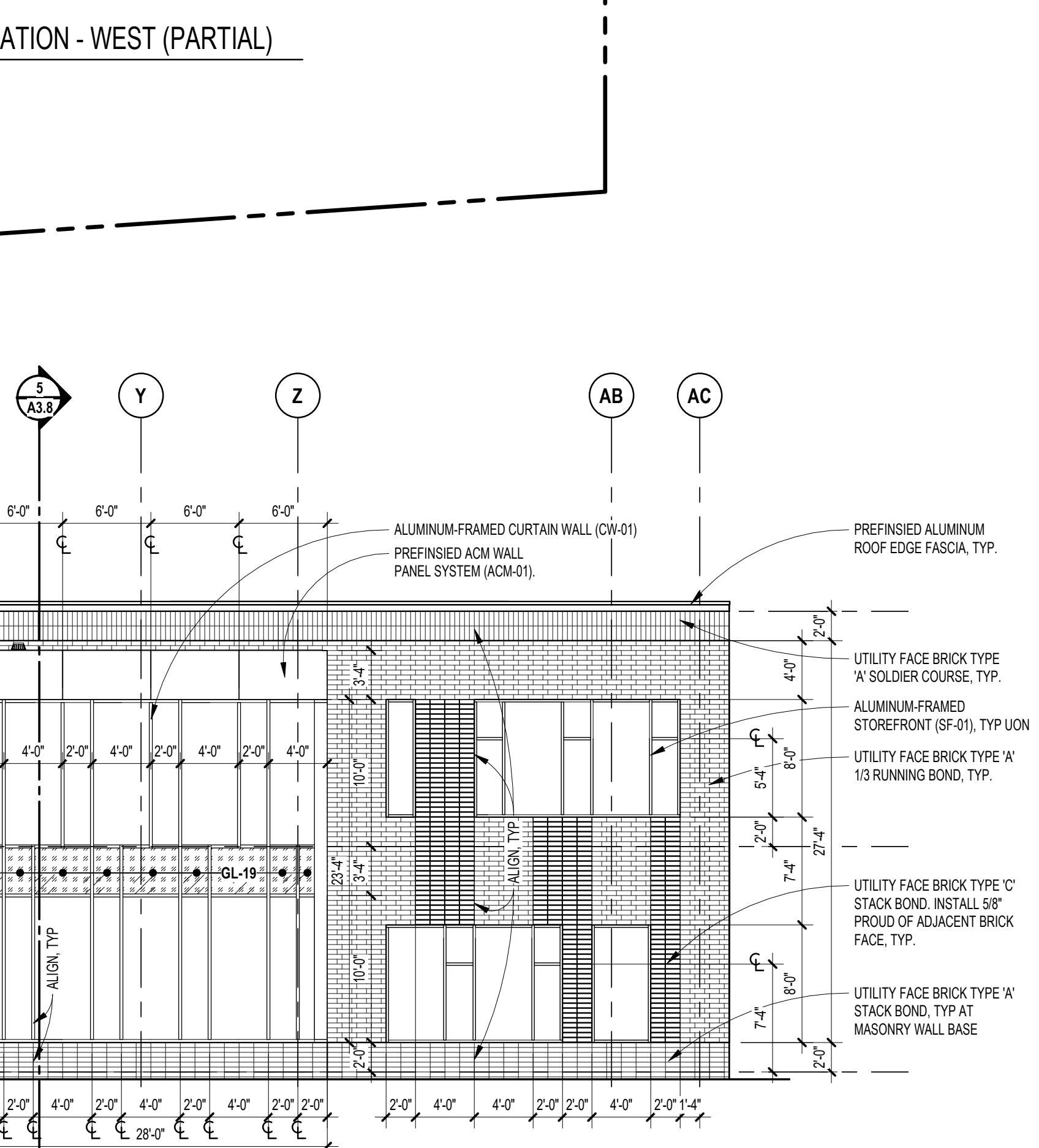
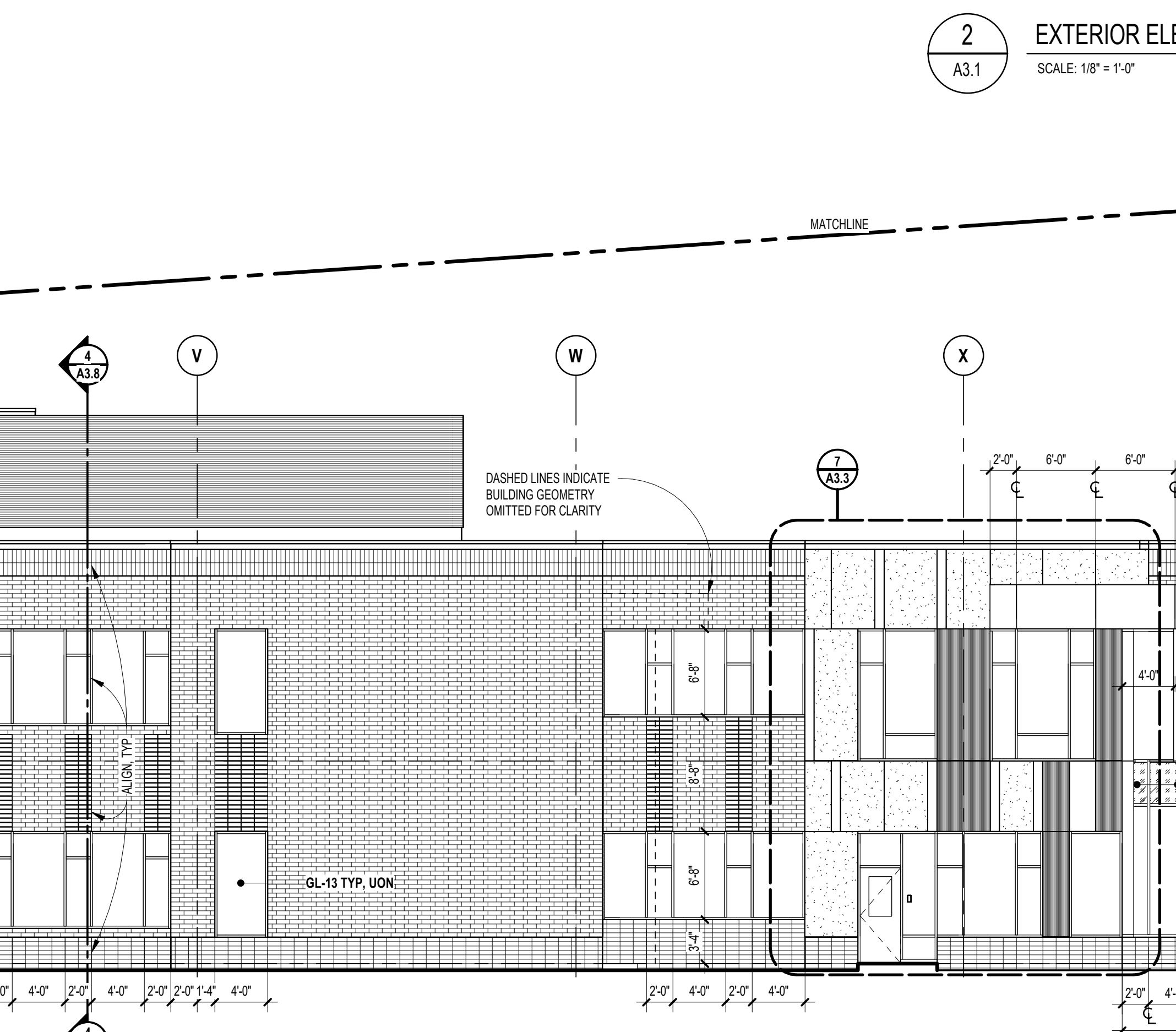
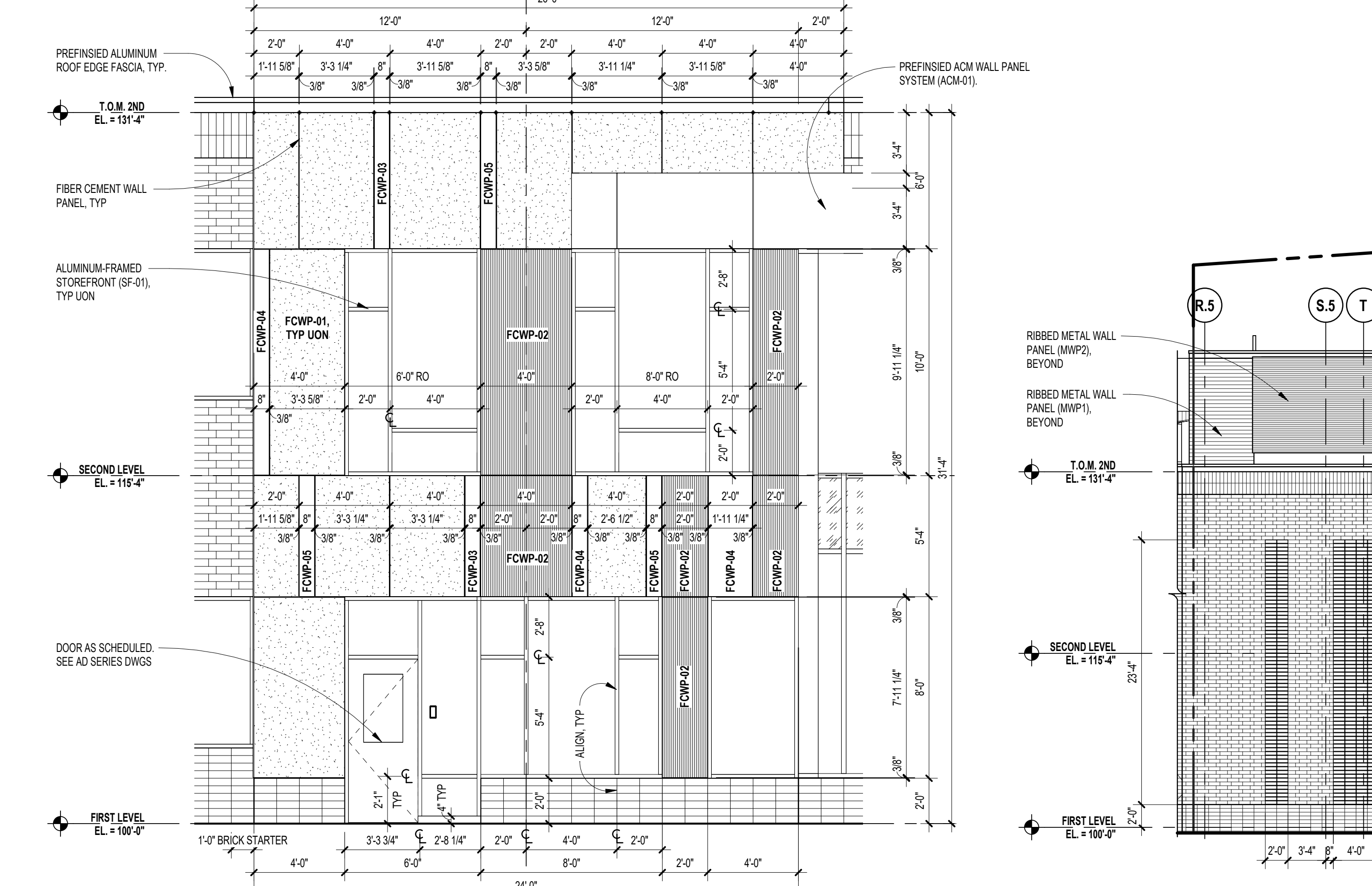
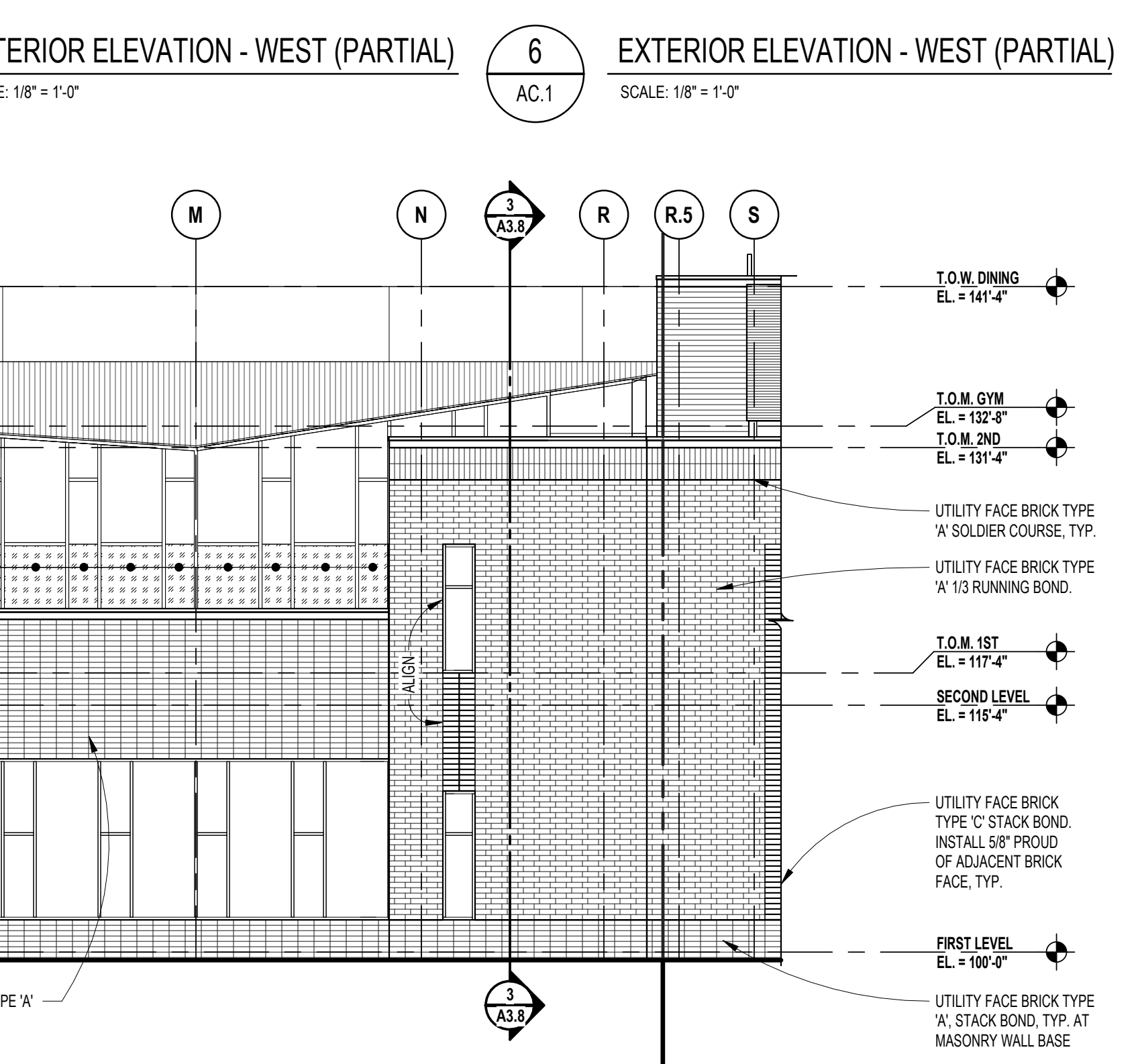
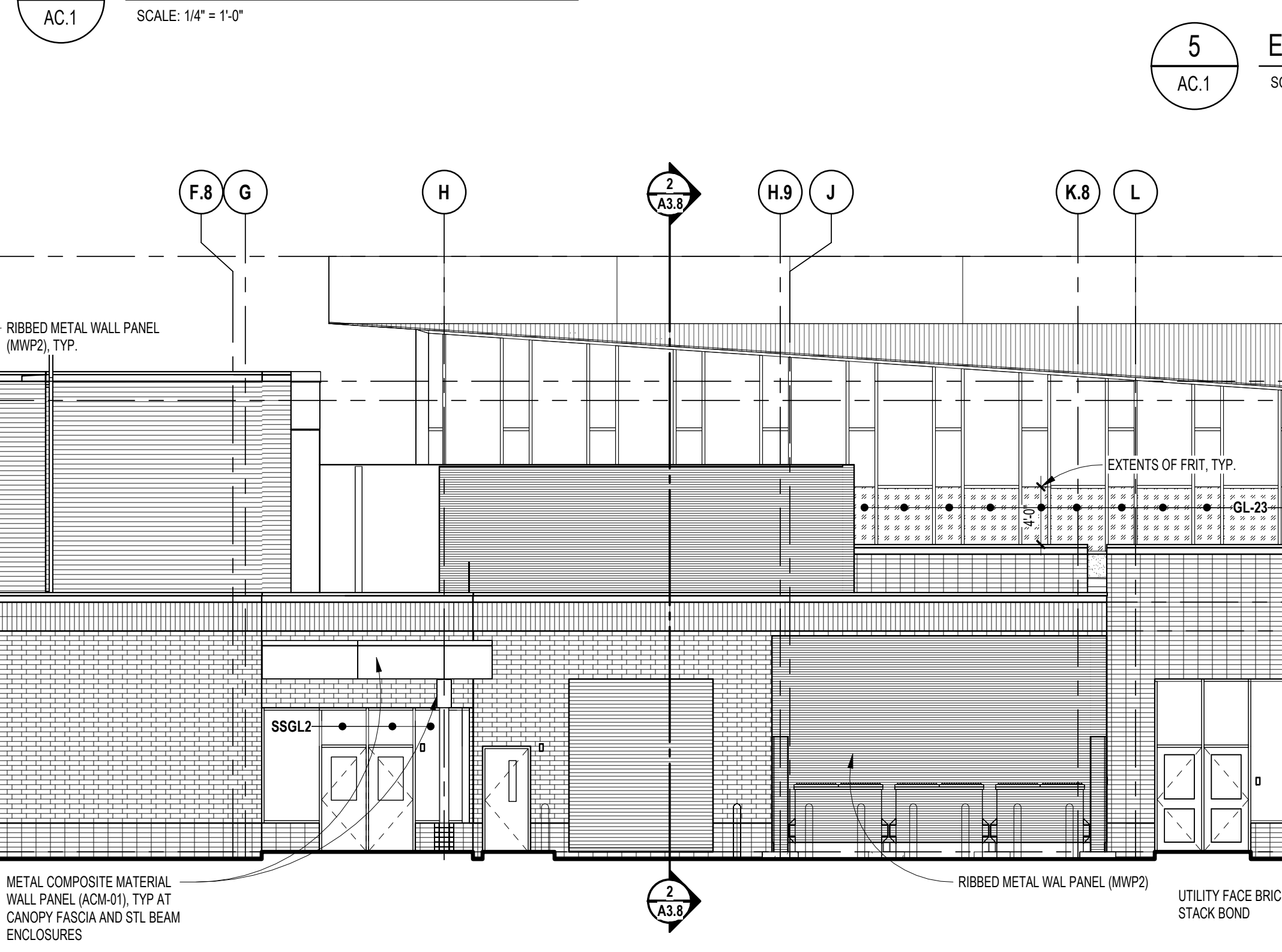
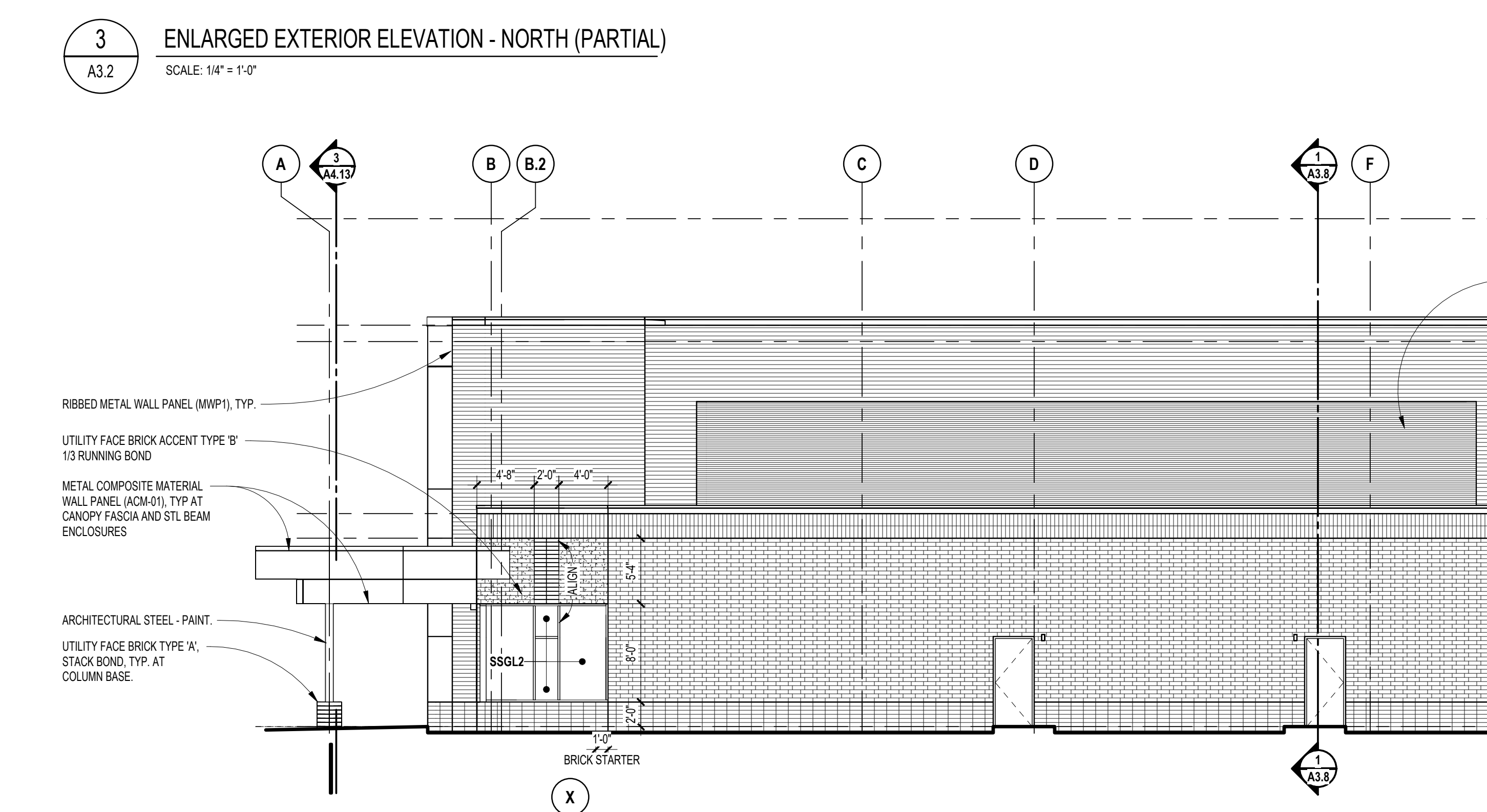
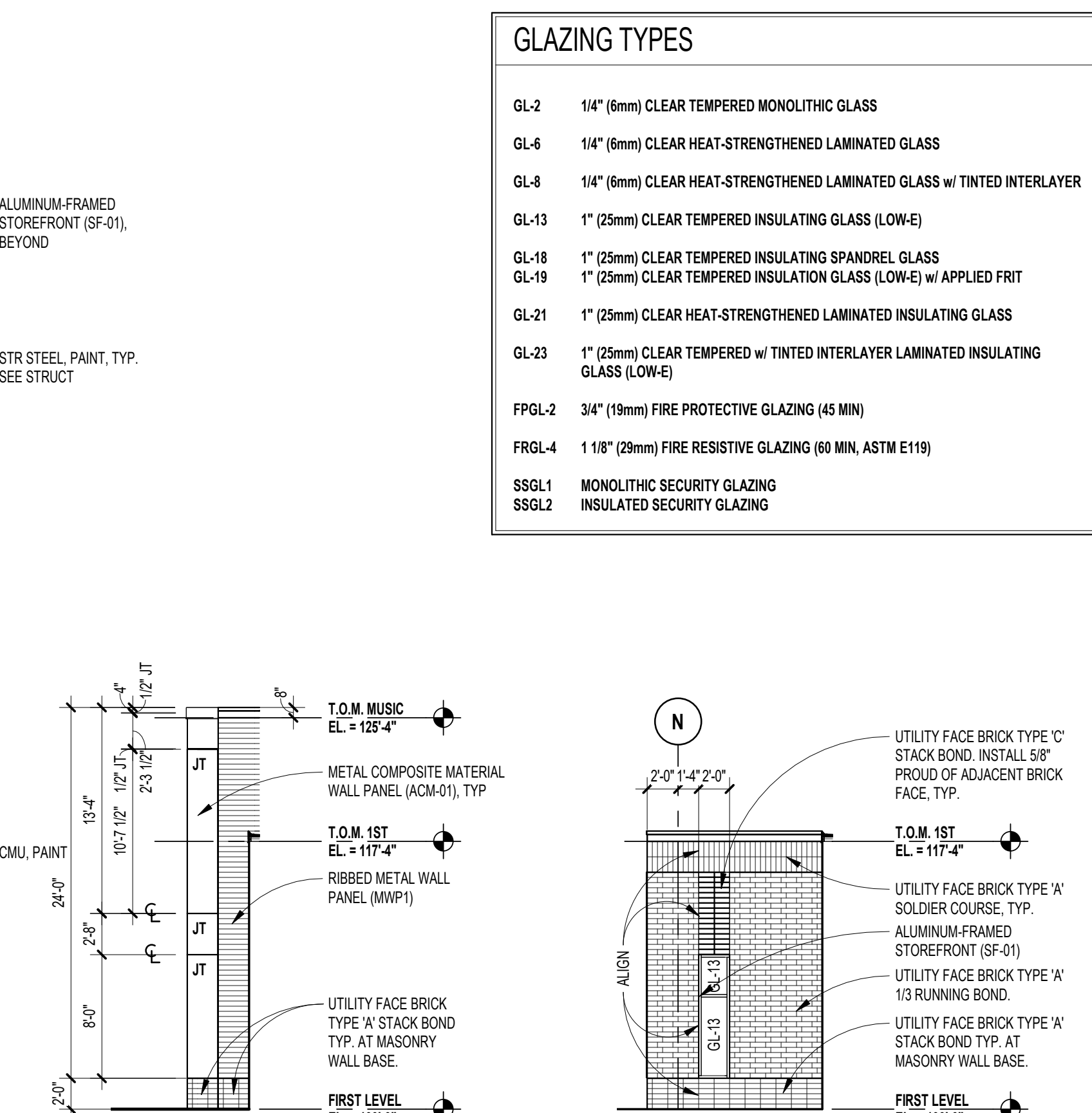
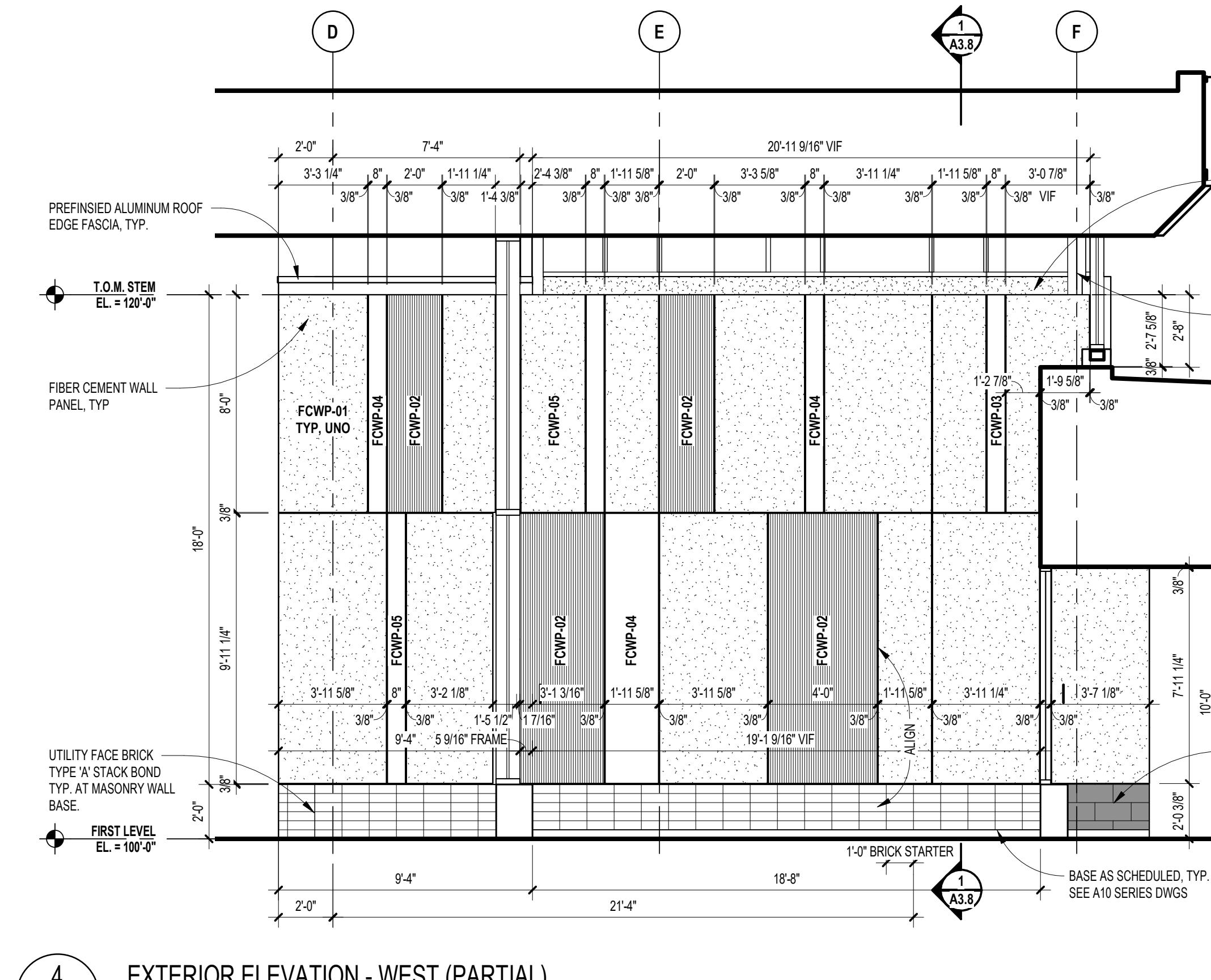
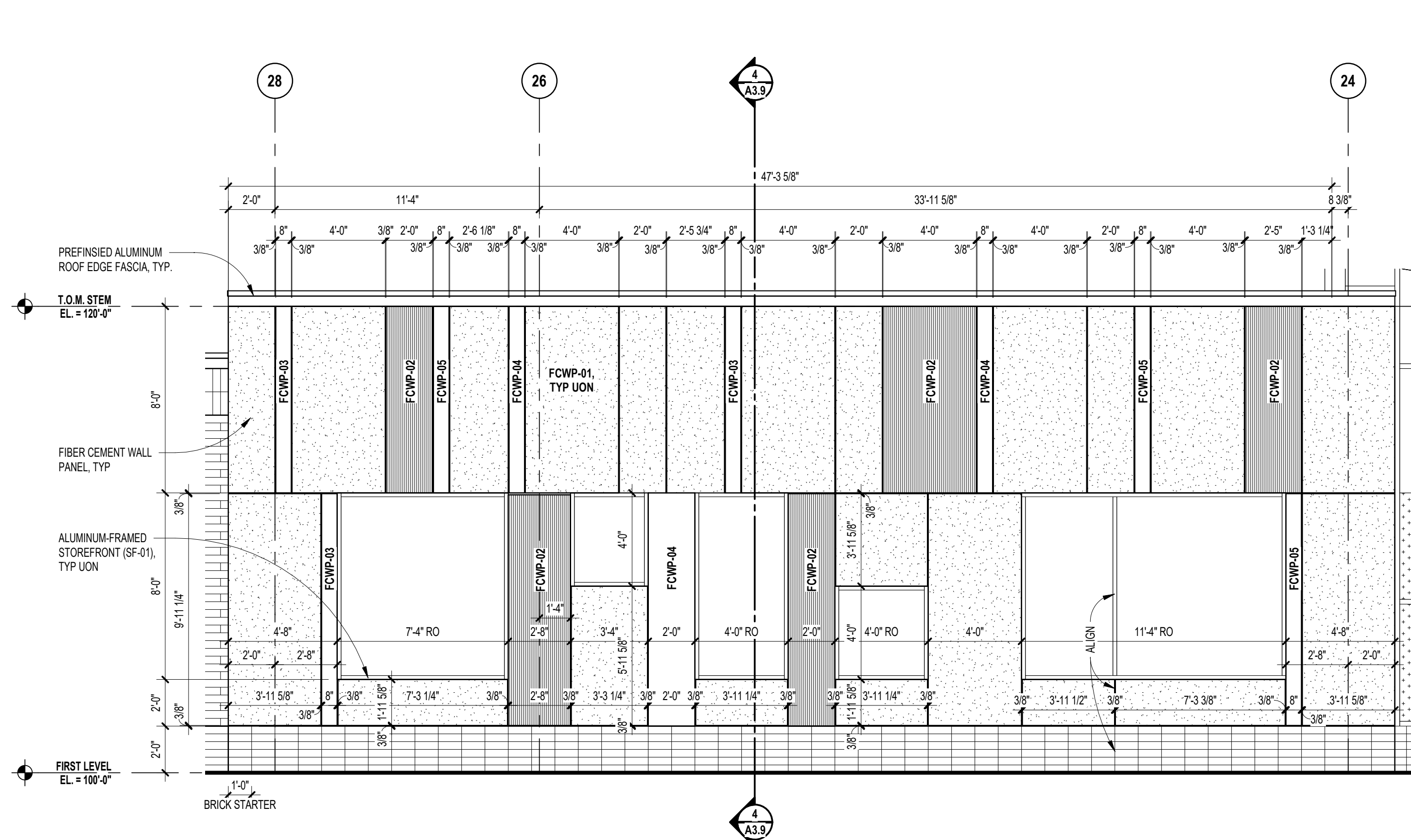
PROJECT NO.

**22102**

DRAWING NO.

**A3.3**

GLAZING TYPES	
GL-2	1/4" (6mm) CLEAR TEMPERED MONOLITHIC GLASS
GL-4	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS
GL-8	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS w/ TINTED INTERLAYER
GL-13	1" (25mm) CLEAR TEMPERED INSULATING GLASS (LOW-E)
GL-19	1" (25mm) CLEAR TEMPERED INSULATING SPANDELE GLASS
GL-21	1" (25mm) CLEAR TEMPERED INSULATING GLASS (LOW-E) w/ APPLIED FRIT
GL-23	1" (25mm) CLEAR HEAT-STRENGTHENED LAMINATED INSULATING GLASS (LOW-E)
FPGL-2	3/4" (19mm) FIRE PROTECTIVE GLAZING (45 MIN)
FRGL-4	1 1/8" (29mm) FIRE RESISTIVE GLAZING (60 MIN, ASTM E119)
SSGL1	MONOLITHIC SECURITY GLAZING
SSGL2	INSULATED SECURITY GLAZING





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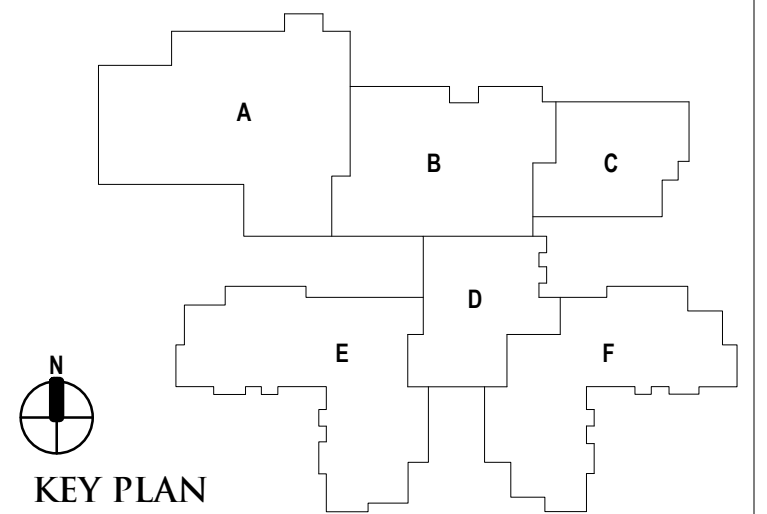
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Exterior Elevations**

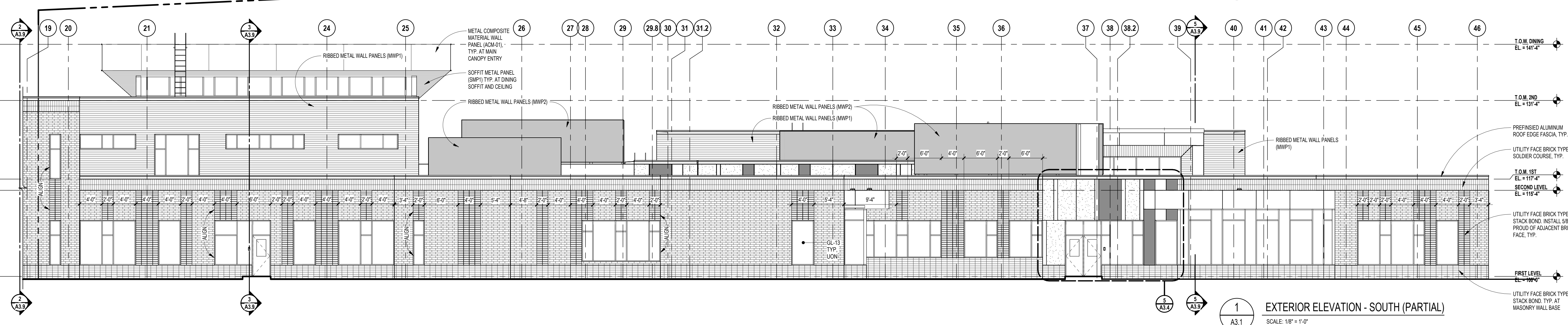
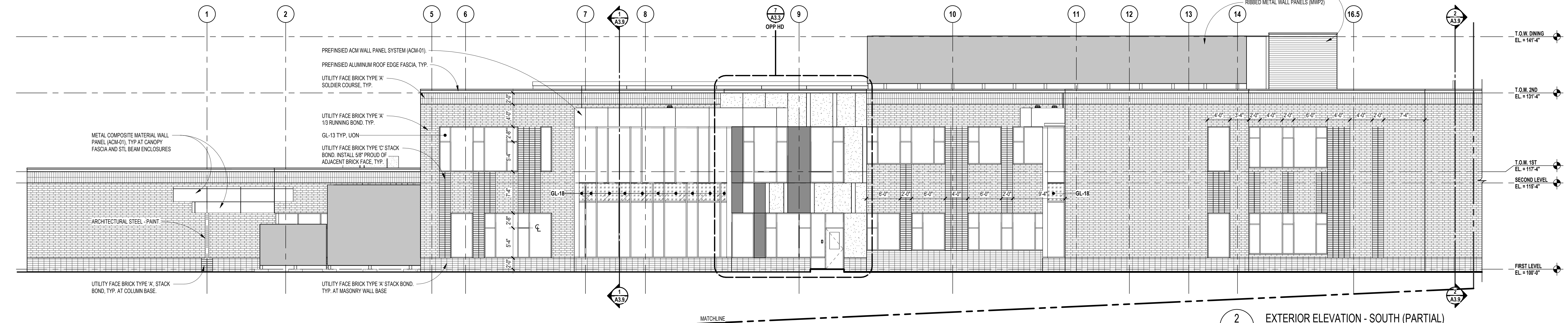
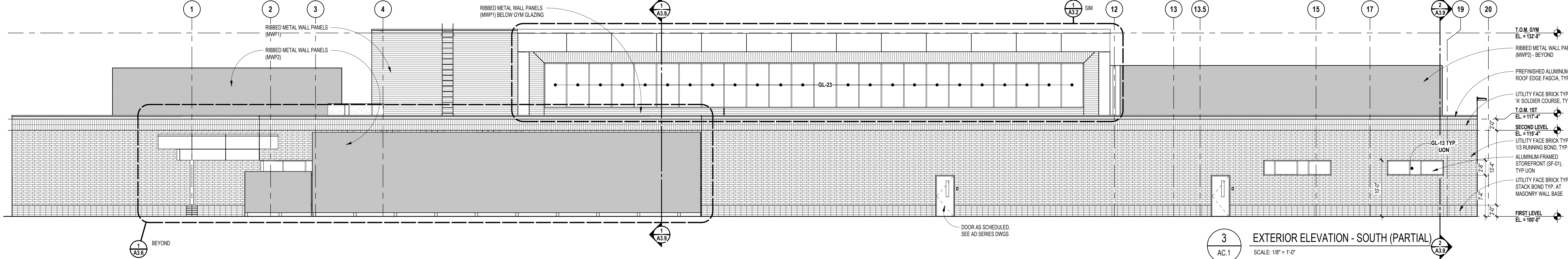
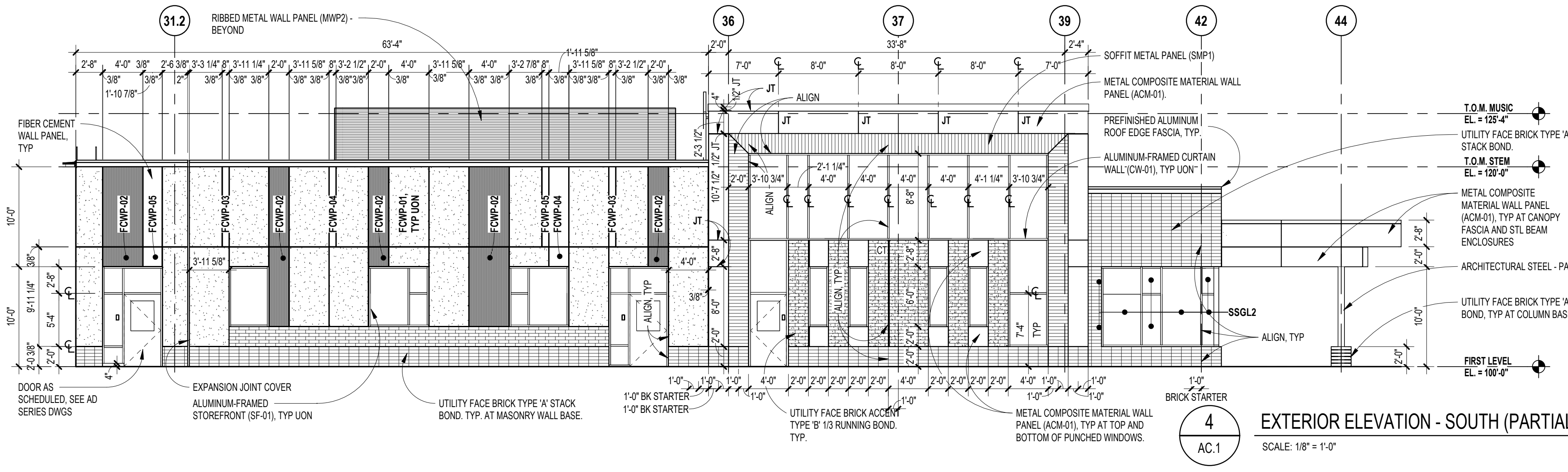
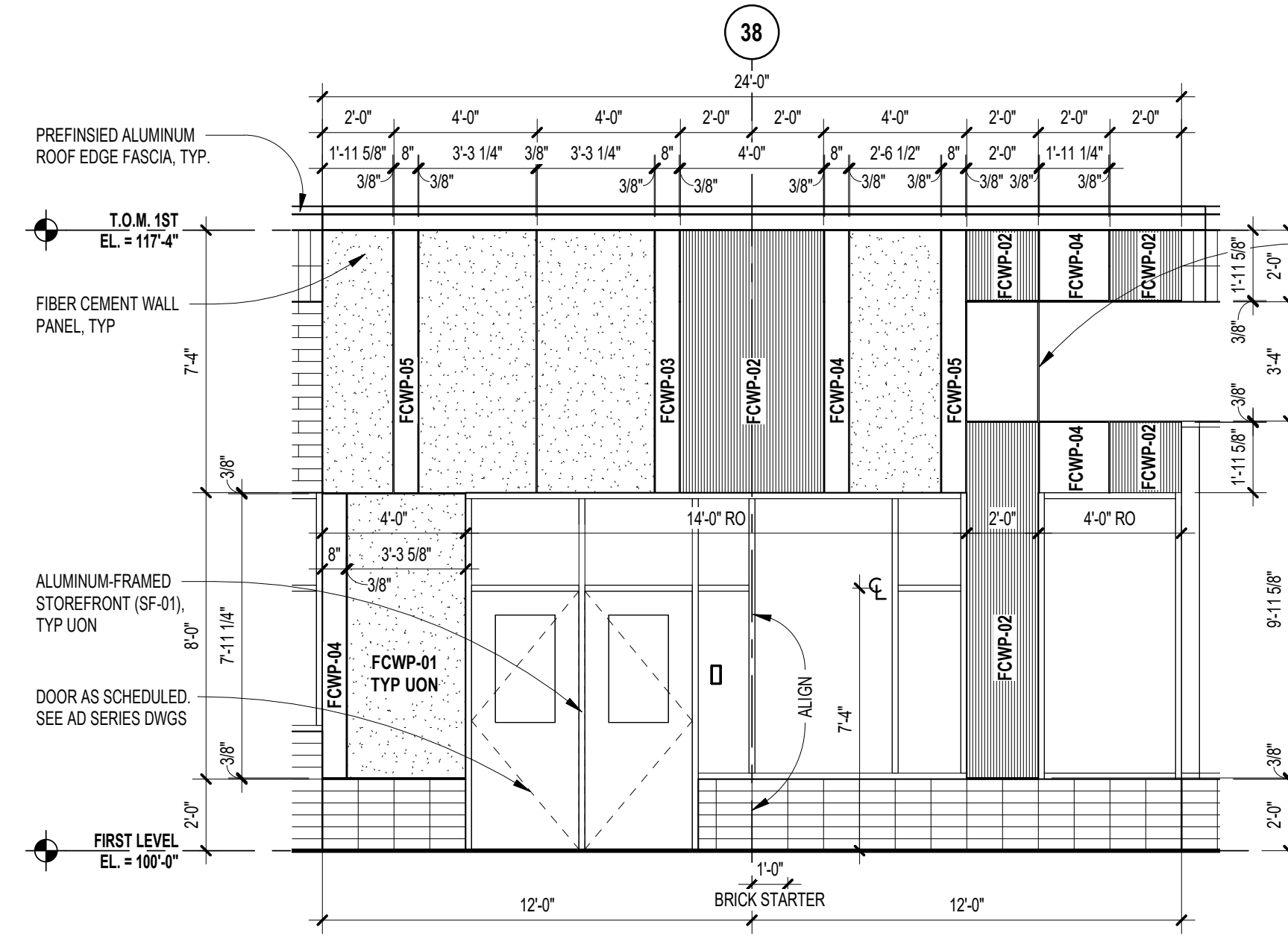


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PROJECT NO.  
**22102**  
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**A3.4**

GLAZING TYPES	
GL-2	1/4" (6mm) CLEAR TEMPERED MONOLITHIC GLASS
GL-4	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS
GL-8	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS w/ TINTED INTERLAYER
GL-13	1" (25mm) CLEAR TEMPERED INSULATING GLASS (LOW-E)
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PPGL-2	3/4" (19mm) FIRE PROTECTIVE GLAZING (45 MIN)
FRGL-4	1 1/8" (29mm) FIRE RESISTIVE GLAZING (60 MIN, ASTM E119)
SSGL1	MONOLITHIC SECURITY GLAZING
SSGL2	INSULATED SECURITY GLAZING



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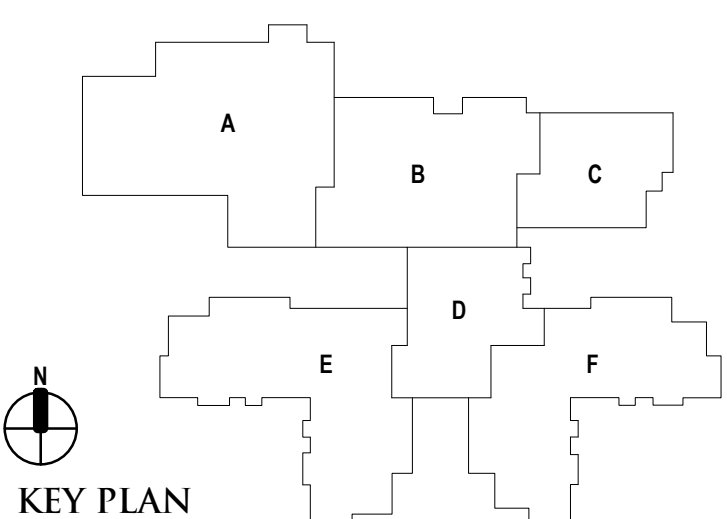
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Exterior Elevations**



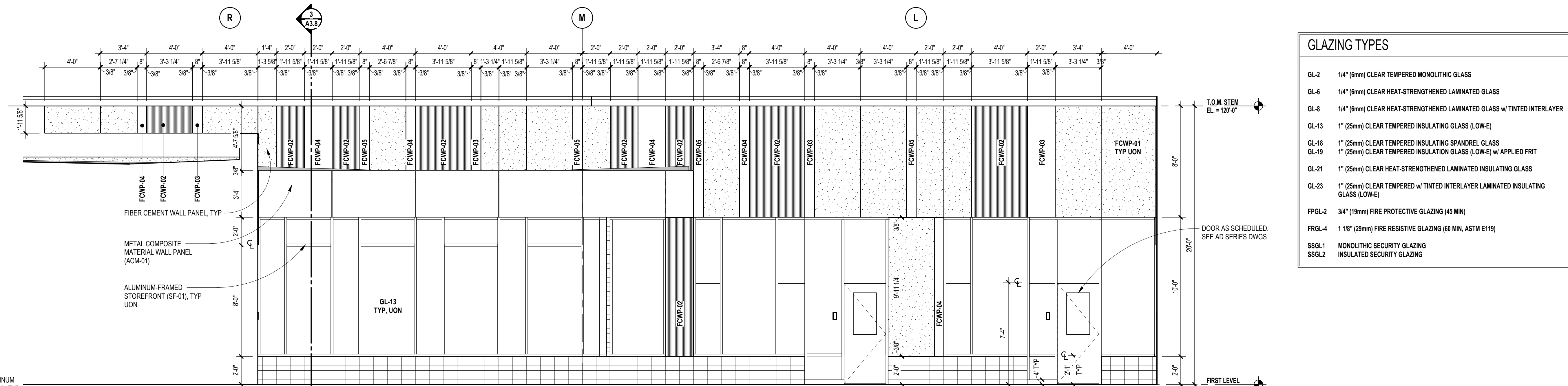
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DATE: ISSUED FOR:  
DRAWN: do  
CHECKED: Checker  
APPROVED: Approver

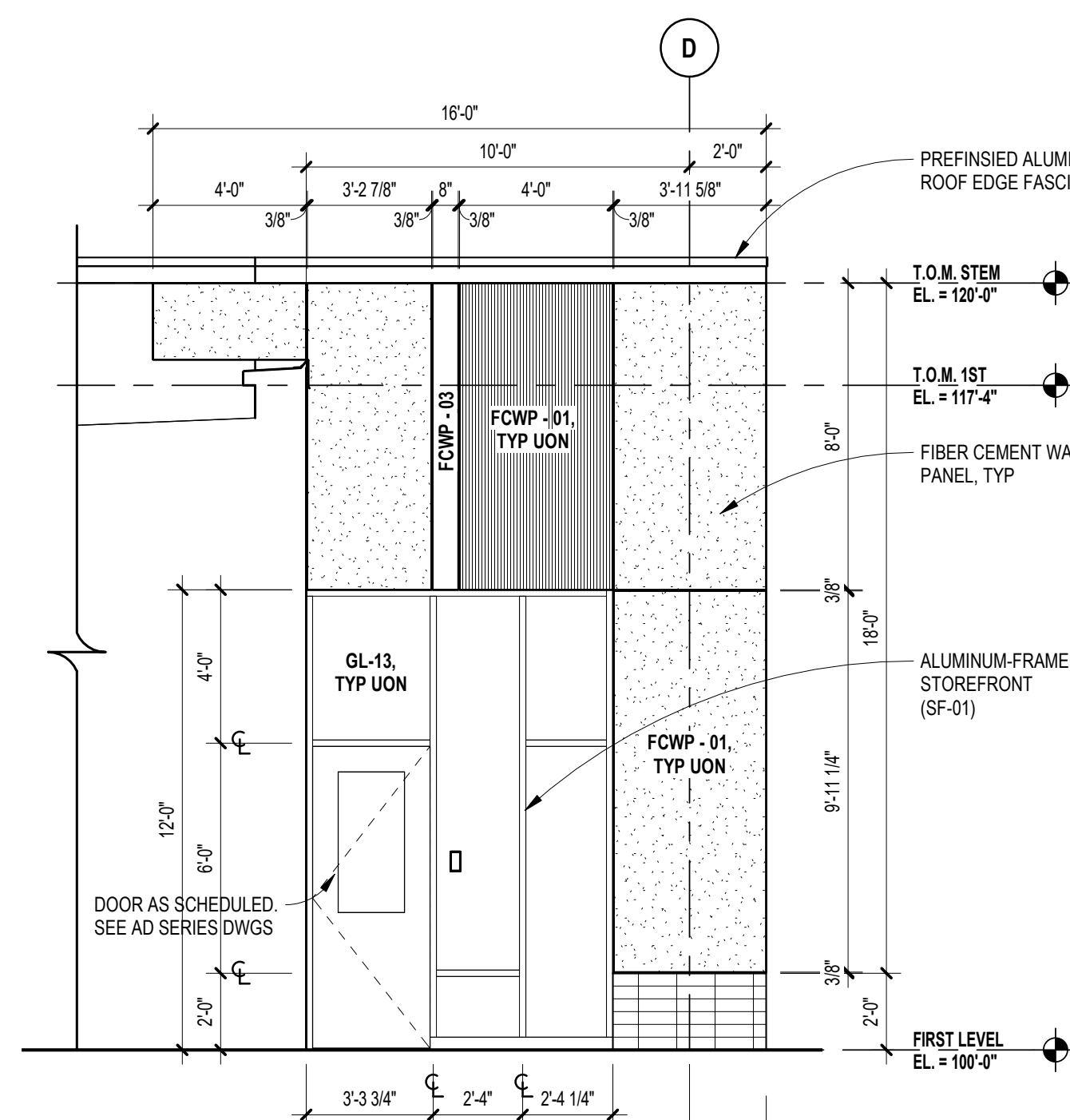
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**22102**

DRAWING NO.  
**A3.5**

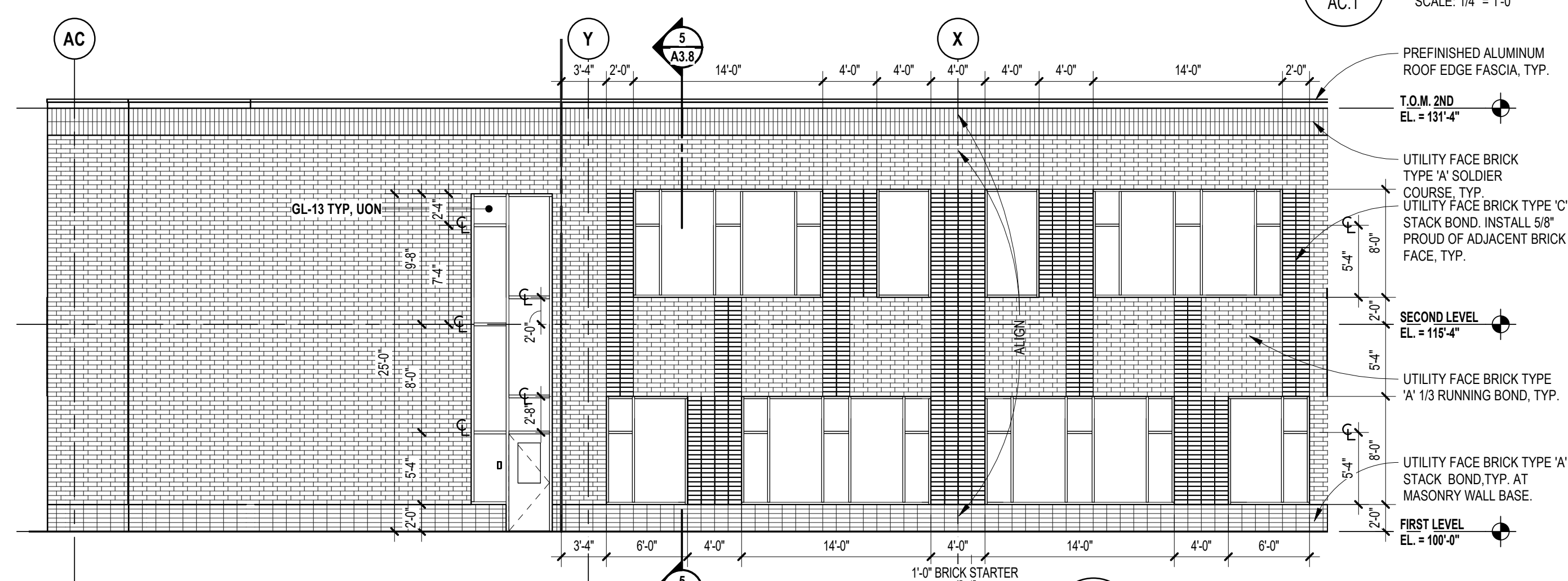


GLAZING TYPES

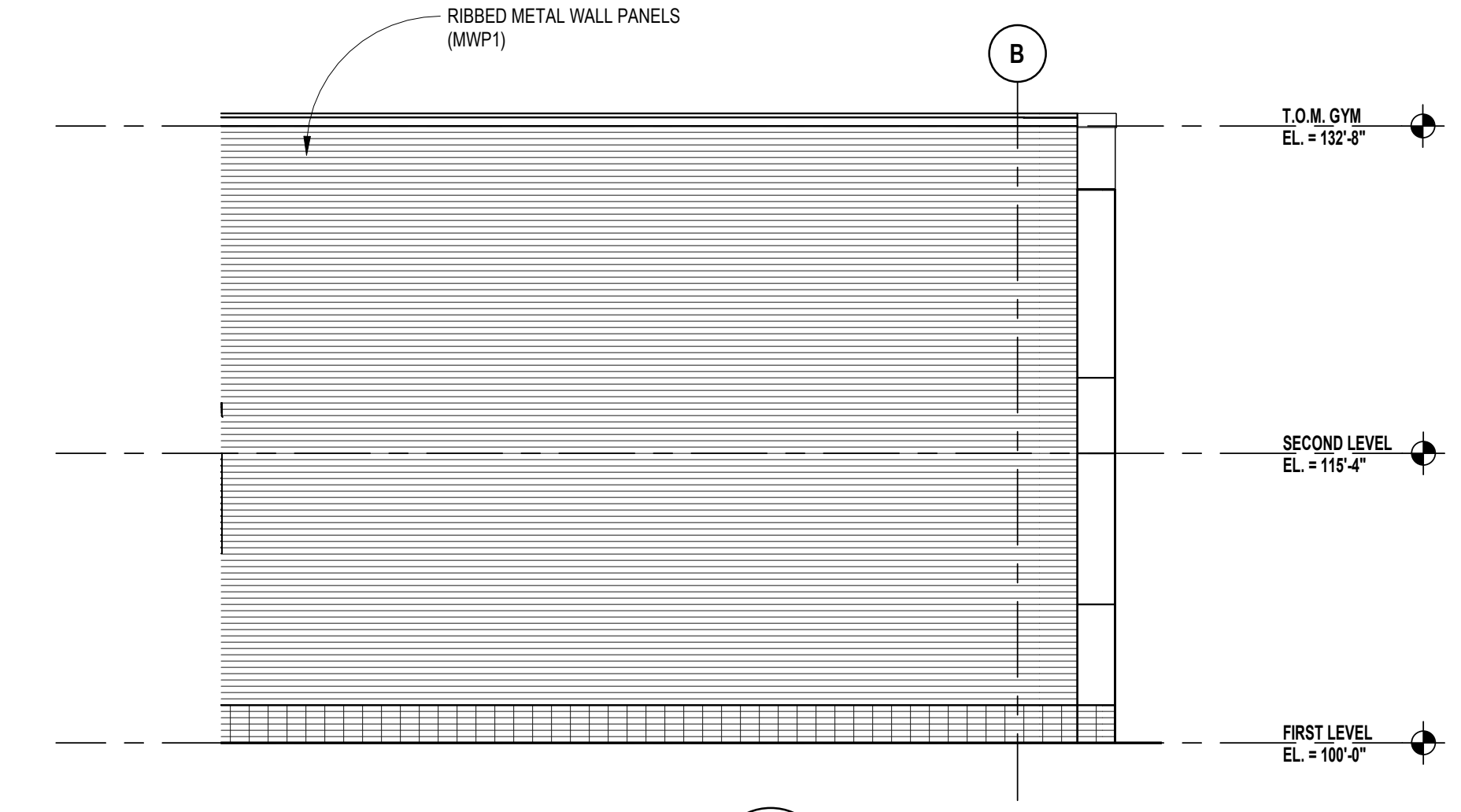
- GL-2 1/4" (6mm) CLEAR TEMPERED MONOLITHIC GLASS
- GL-4 1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS
- GL-8 1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS w/ TINTED INTERLAYER
- GL-13 1" (25mm) CLEAR TEMPERED INSULATING GLASS (LOW-E)
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- GL-21 1" (25mm) CLEAR HEAT-STRENGTHENED LAMINATED INSULATING GLASS
- GL-23 1" (25mm) CLEAR TEMPERED w/ TINTED INTERLAYER LAMINATED INSULATING GLASS (LOW-E)
- PFLG-2 3/4" (19mm) FIRE PROTECTIVE GLAZING (45 MIN)
- FRGL-4 1 1/8" (29mm) FIRE RESISTIVE GLAZING (90 MIN, ASTM E119)
- SSGL1 MONOLITHIC SECURITY GLAZING
- SSGL2 INSULATED SECURITY GLAZING



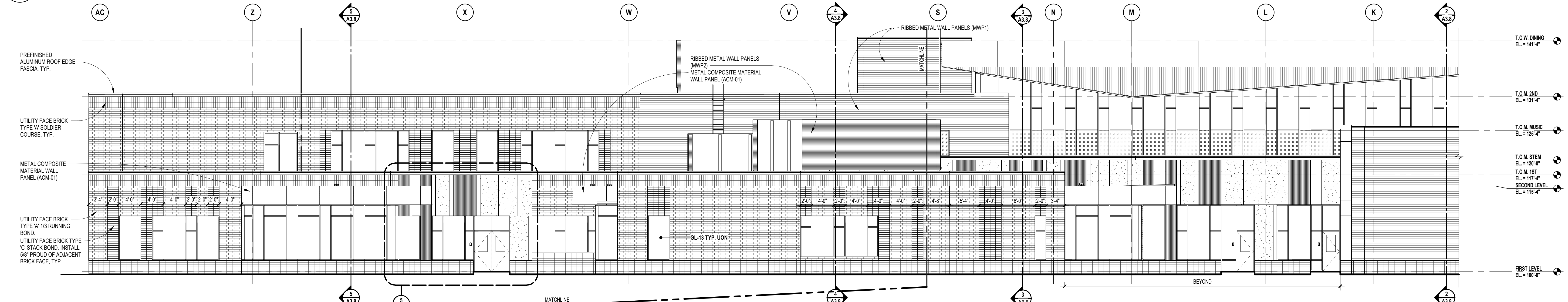
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SCALE: 1/4" = 1'-0"



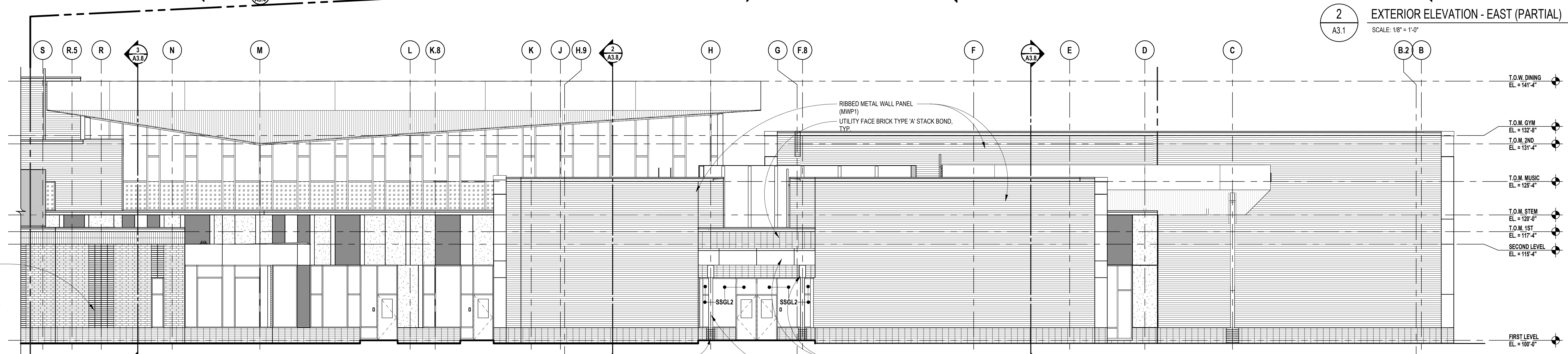
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SCALE: 1/8" = 1'-0"



3 EXTERIOR ELEVATION - EAST (PARTIAL)  
SCALE: 1/8" = 1'-0"



2 EXTERIOR ELEVATION - EAST (PARTIAL)  
SCALE: 1/8" = 1'-0"



1 EXTERIOR ELEVATION - EAST (PARTIAL)  
SCALE: 1/8" = 1'-0"

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BLOOMFIELD HILLS, MICHIGAN 48302  
PH: 248.328.4541 FAX: 248.328.0223  
EM: INFO@TMP-ARCHITECTURE.COM

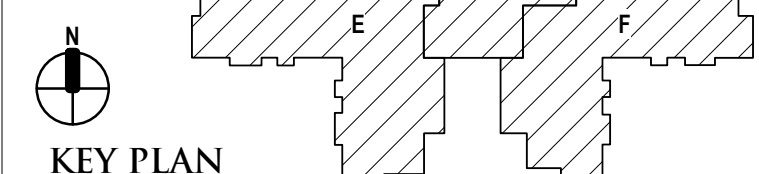
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Exterior Elevations**

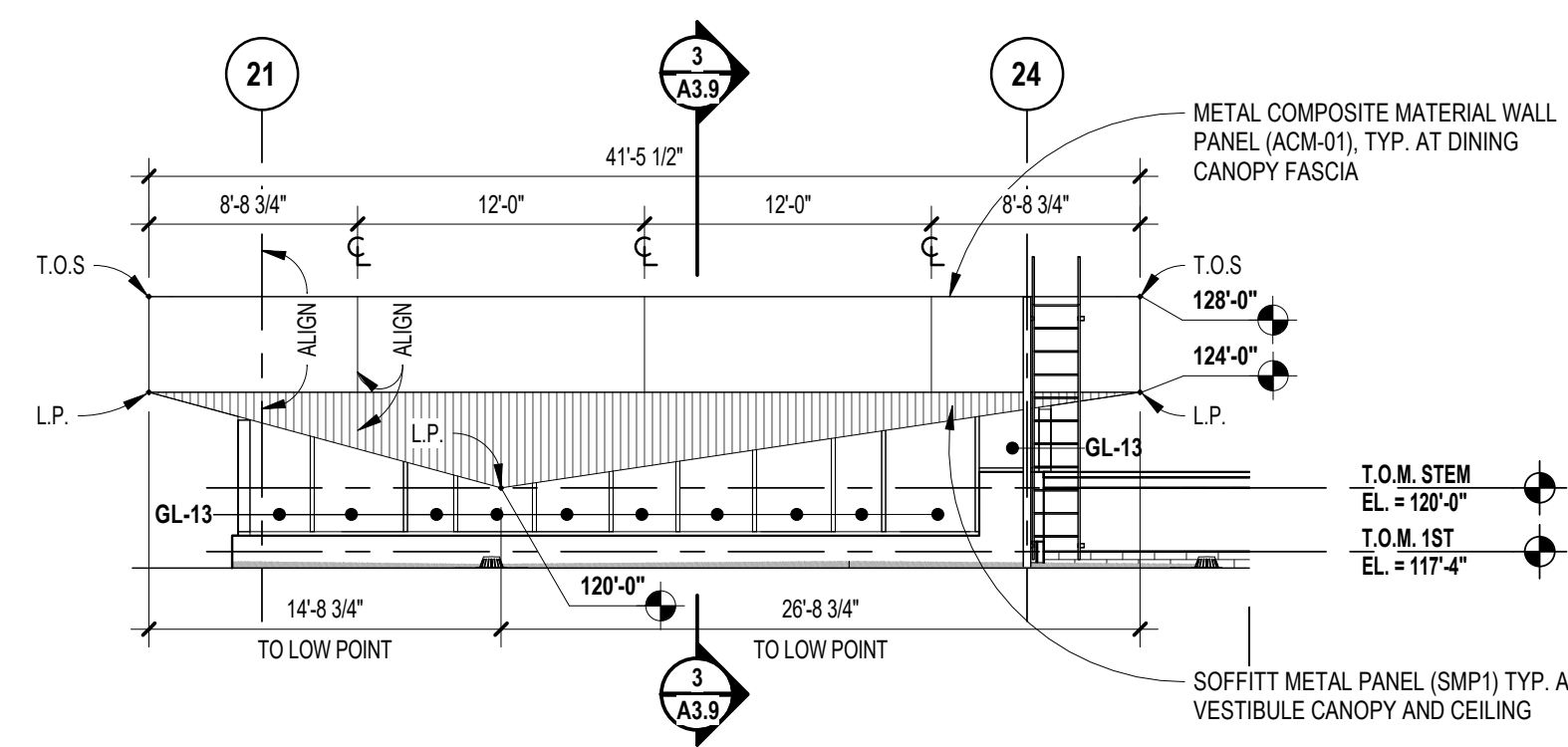


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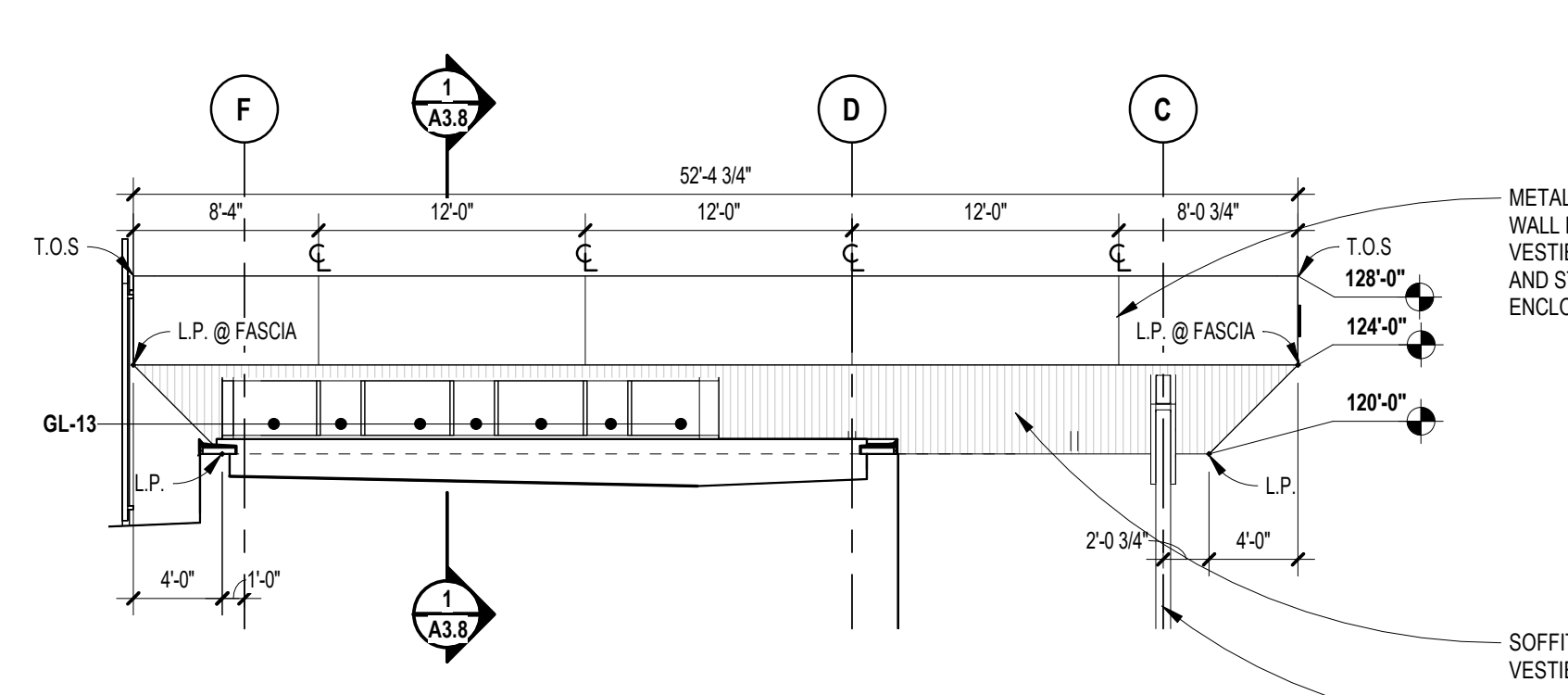
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**22102**  
  
DRAWING NO.  
**A3.6**

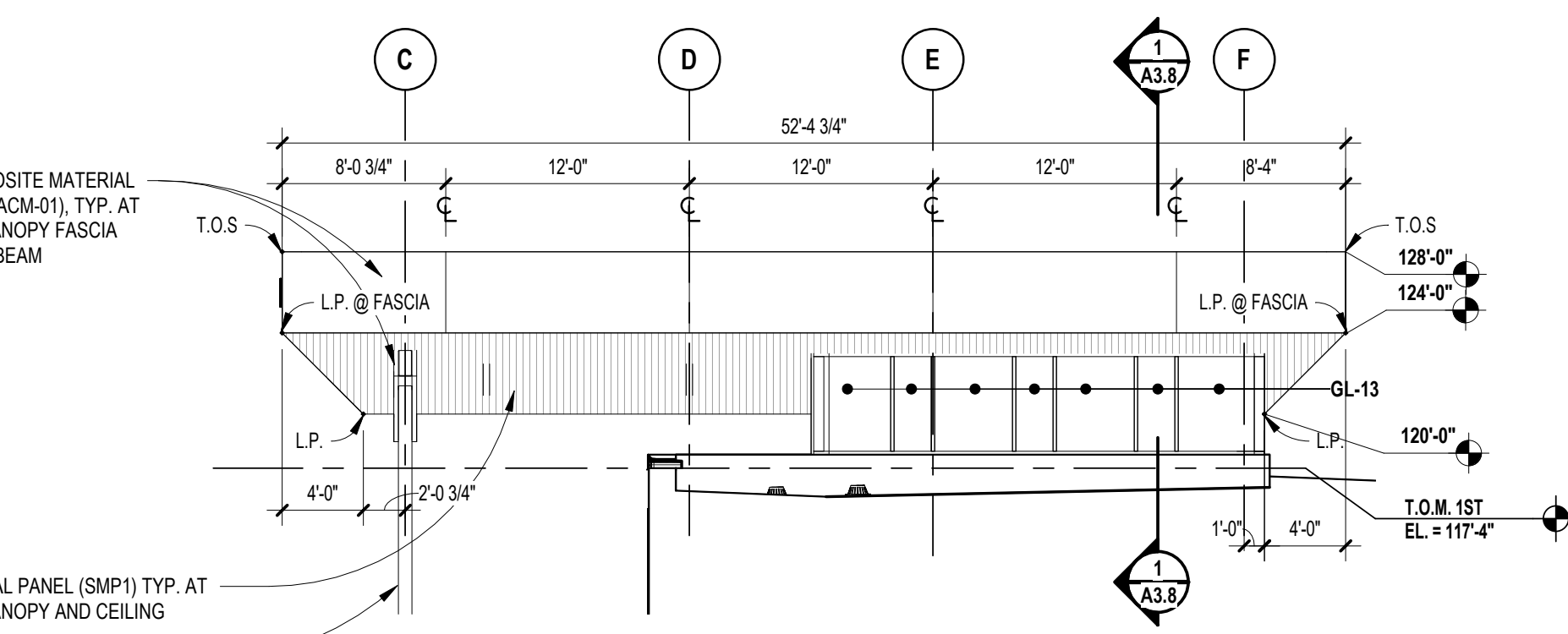
GLAZING TYPES	
GL-2	1/4" (6mm) CLEAR TEMPERED MONOLITHIC GLASS
GL-4	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS
GL-8	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS w/ TINTED INTERLAYER
GL-13	1" (25mm) CLEAR TEMPERED INSULATING GLASS (LOW-E)
GL-19	1" (25mm) CLEAR TEMPERED INSULATING SPANDREL GLASS
GL-19	1" (25mm) CLEAR TEMPERED INSULATING GLASS (LOW-E) w/ APPLIED FRIT
GL-21	1" (25mm) CLEAR HEAT-STRENGTHENED LAMINATING INSULATING GLASS
GL-23	1" (25mm) CLEAR TEMPERED w/ TINTED INTERLAYER LAMINATING INSULATING GLASS (LOW-E)
FPGL-2	3/4" (19mm) FIRE PROTECTIVE GLAZING (45 MIN)
FRGL-4	1 1/8" (29mm) FIRE RESISTIVE GLAZING (60 MIN, ASTM E119)
SSGL1	MONOLITHIC SECURITY GLAZING
SSGL2	INSULATED SECURITY GLAZING



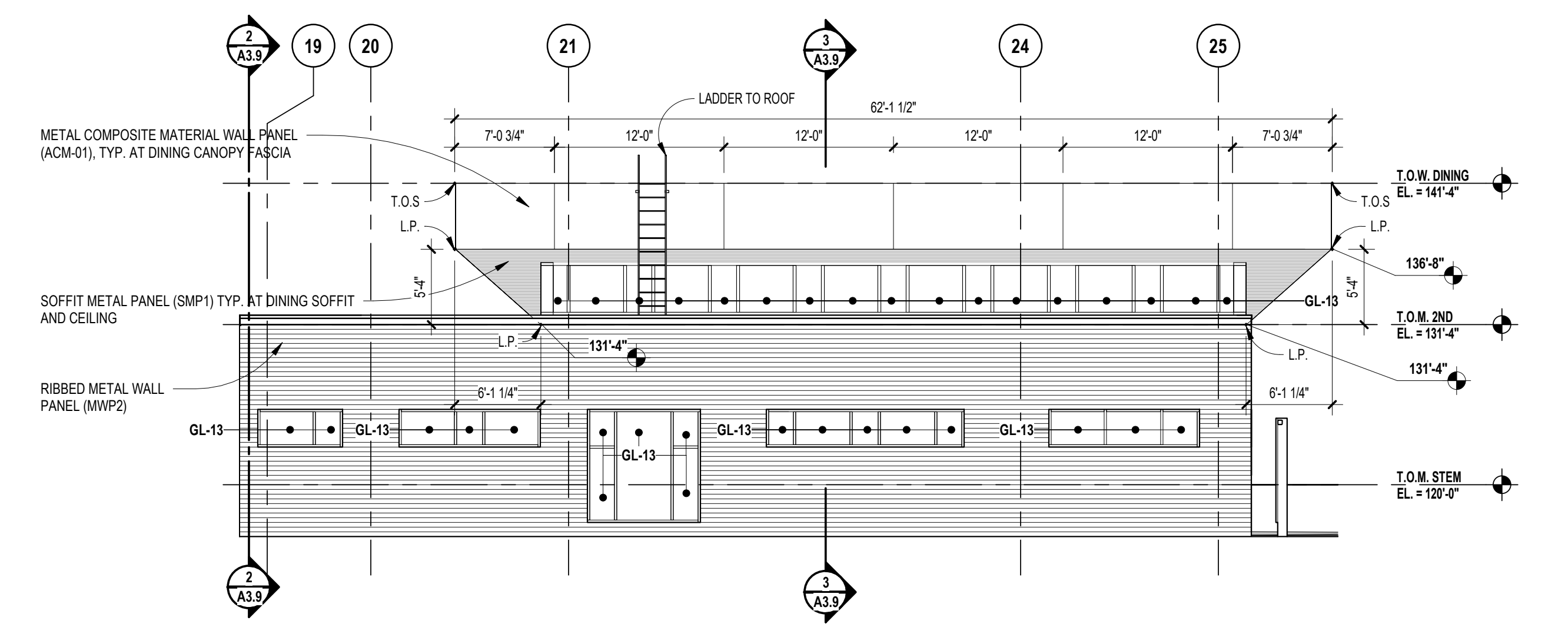
9 EXTERIOR ELEVATION - SOUTH (VESTIBULE CLERESTORY)  
AC.2 SCALE: 1/8" = 1'-0"



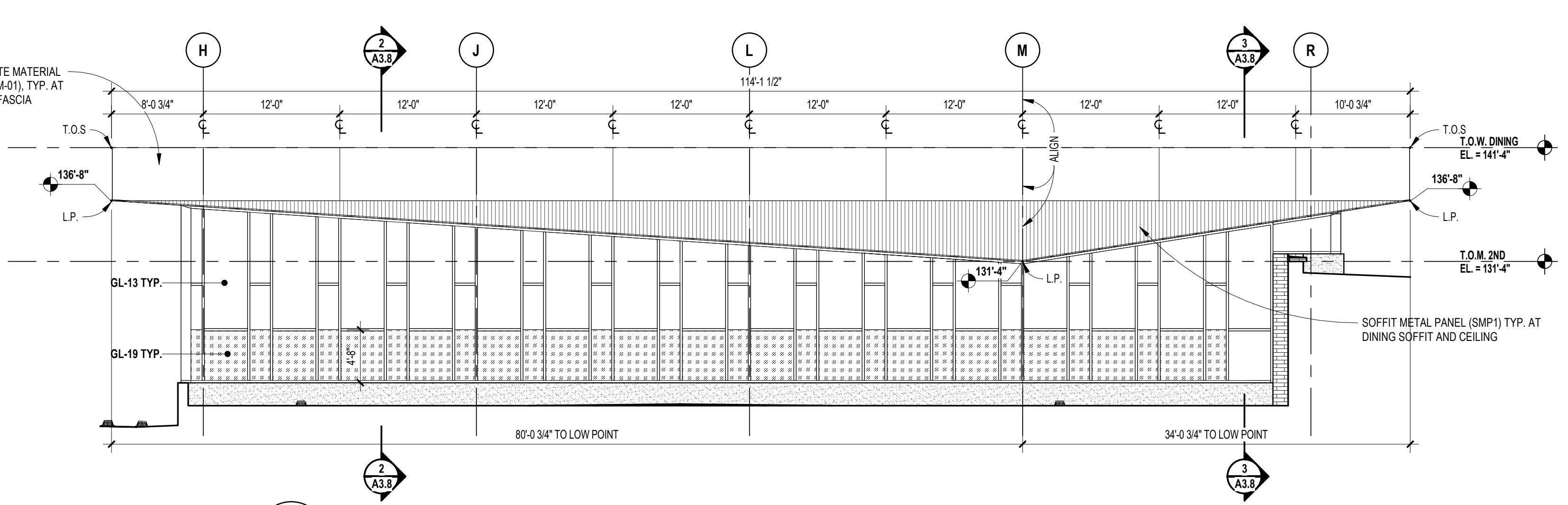
8 EXTERIOR ELEVATION - EAST (VESTIBULE CLERESTORY)  
AC.2 SCALE: 1/8" = 1'-0"



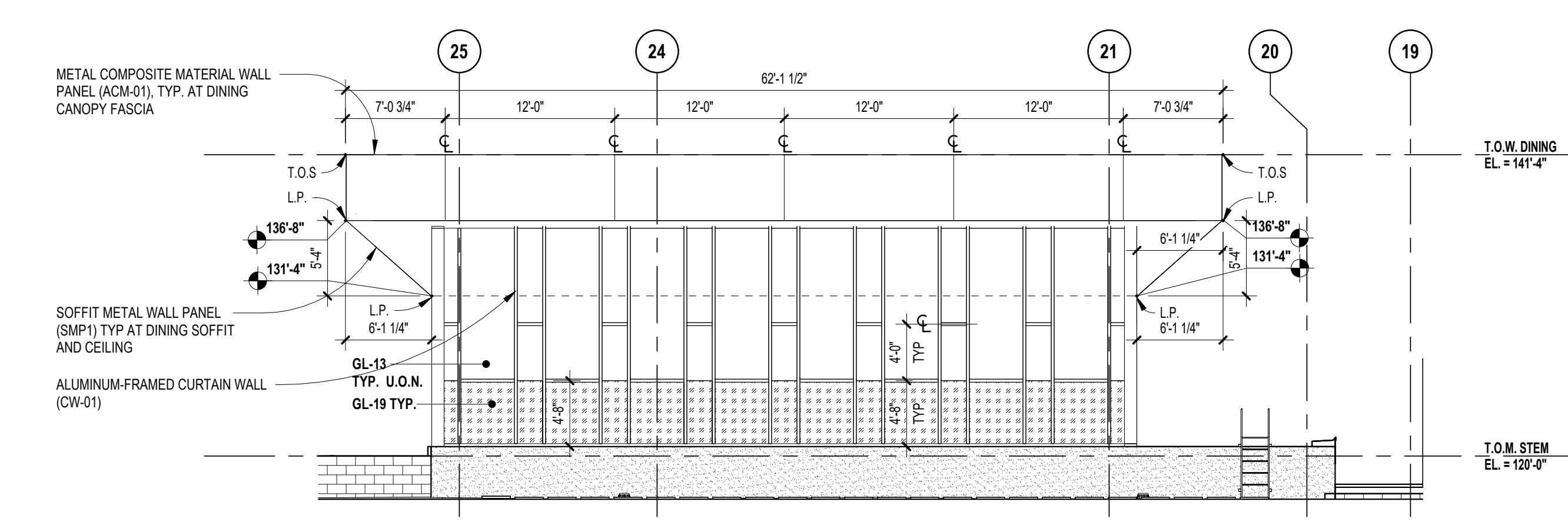
7 EXTERIOR ELEVATION - WEST (VESTIBULE CLERESTORY)  
AC.2 SCALE: 1/8" = 1'-0"



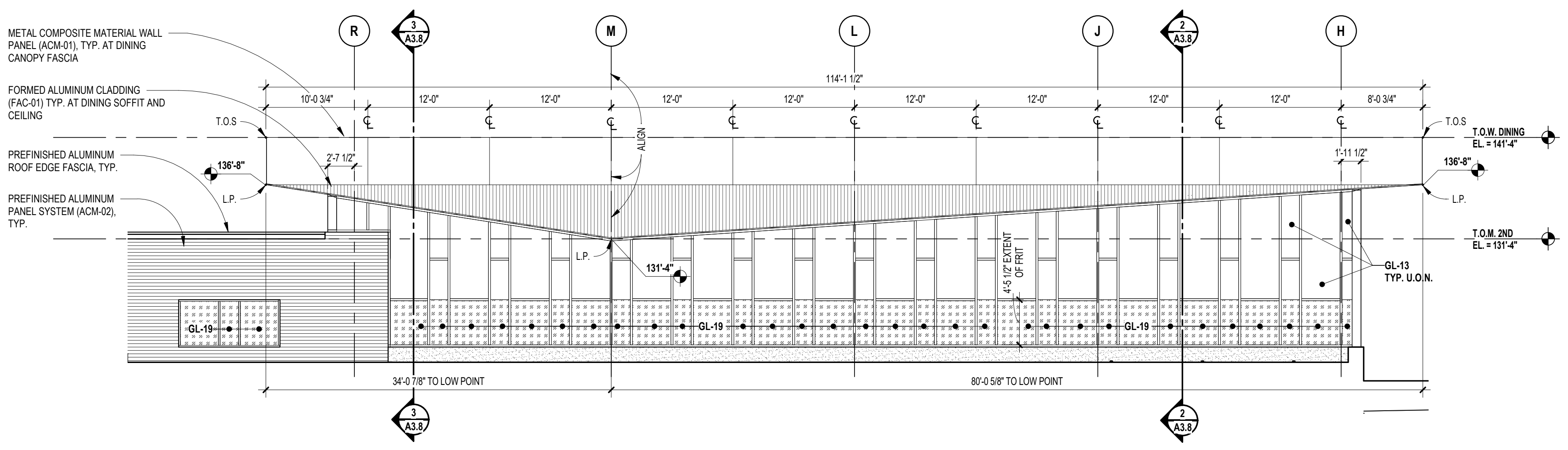
6 EXTERIOR ELEVATION - SOUTH (DC CLERESTORY)  
AC.2 SCALE: 1/8" = 1'-0"



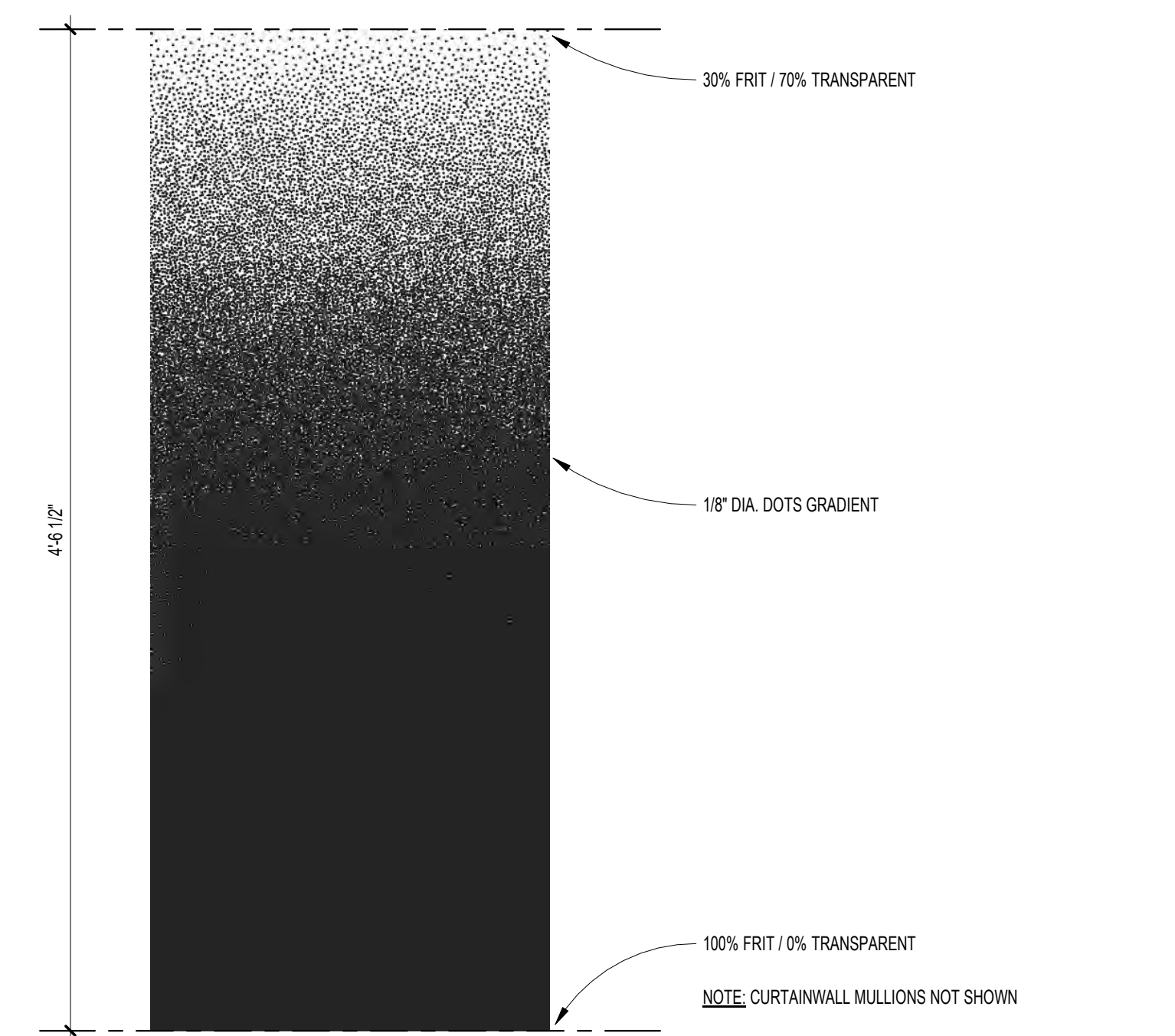
5 EXTERIOR ELEVATION - WEST (DC CLERESTORY)  
AC.2 SCALE: 1/8" = 1'-0"



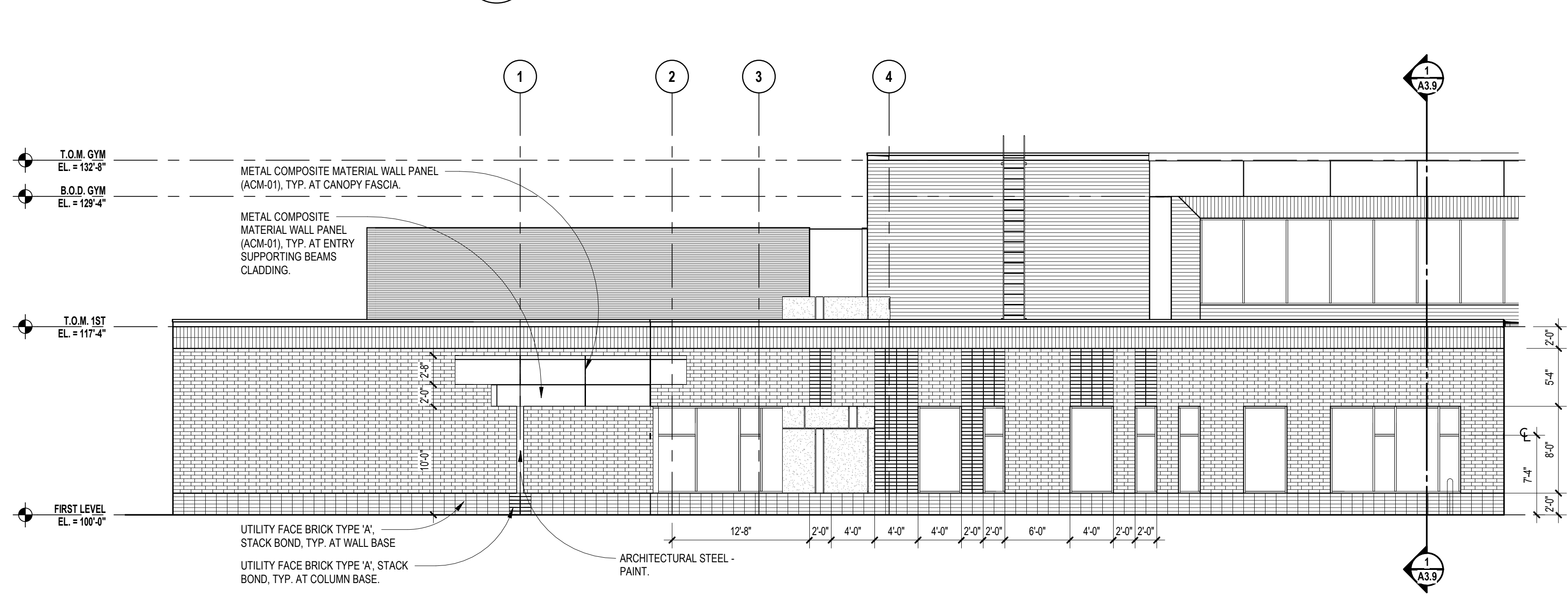
4 EXTERIOR ELEVATION - NORTH (DC CLERESTORY)  
AC.2 SCALE: 1/8" = 1'-0"



3 EXTERIOR ELEVATION - EAST (DC CLERESTORY)  
AC.2 SCALE: 1/8" = 1'-0"



2 APPLIED FRIT PATTERN  
SCALE: 1/2" = 1'-0"



1 EXTERIOR ELEVATION - SOUTH (PARTIAL)  
AC.4 SCALE: 1/8" = 1'-0"

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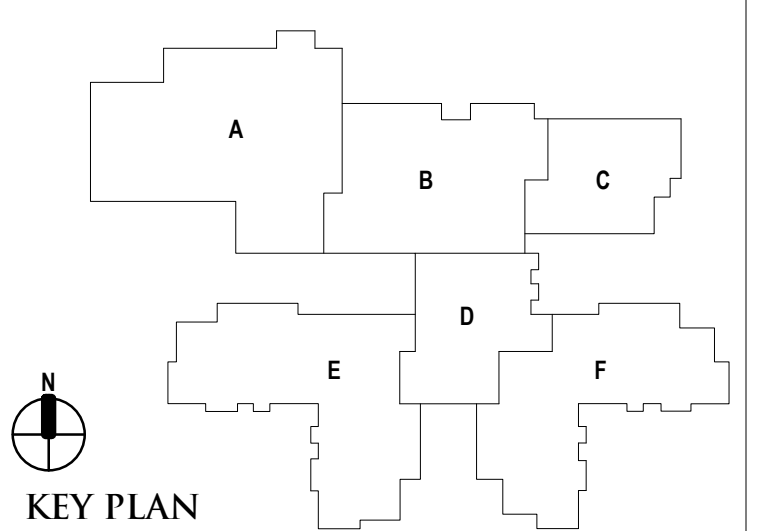
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
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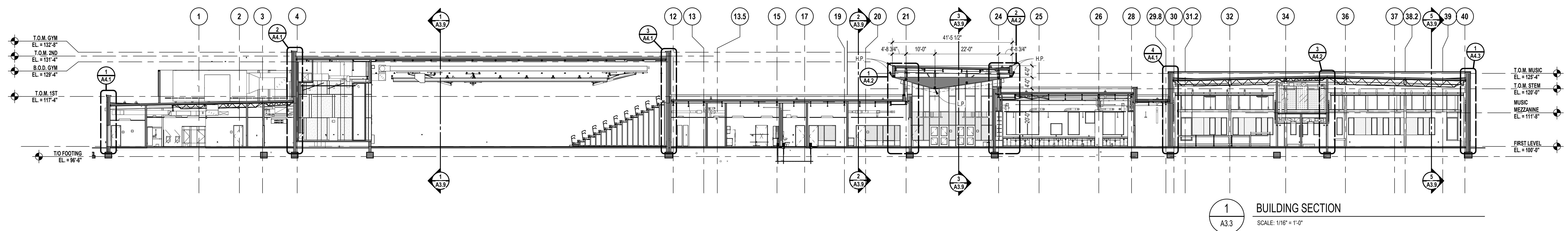
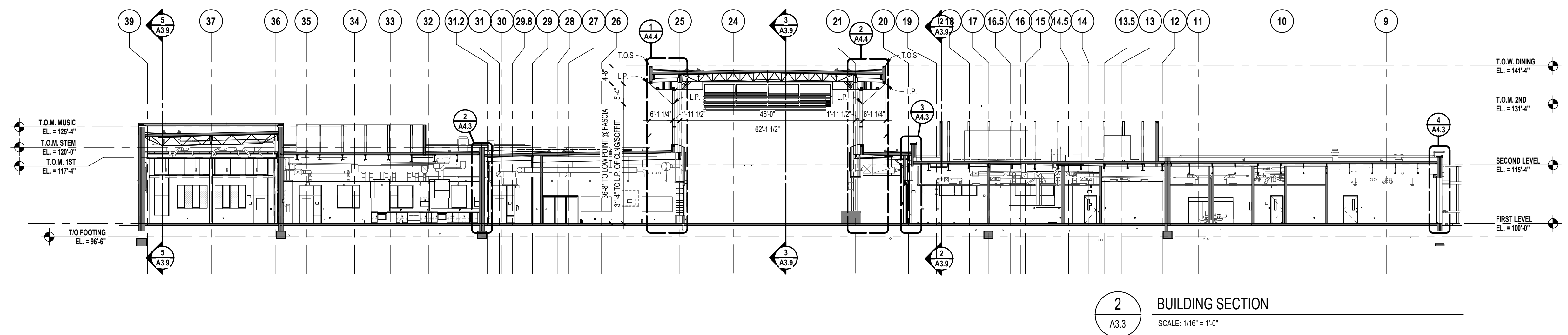
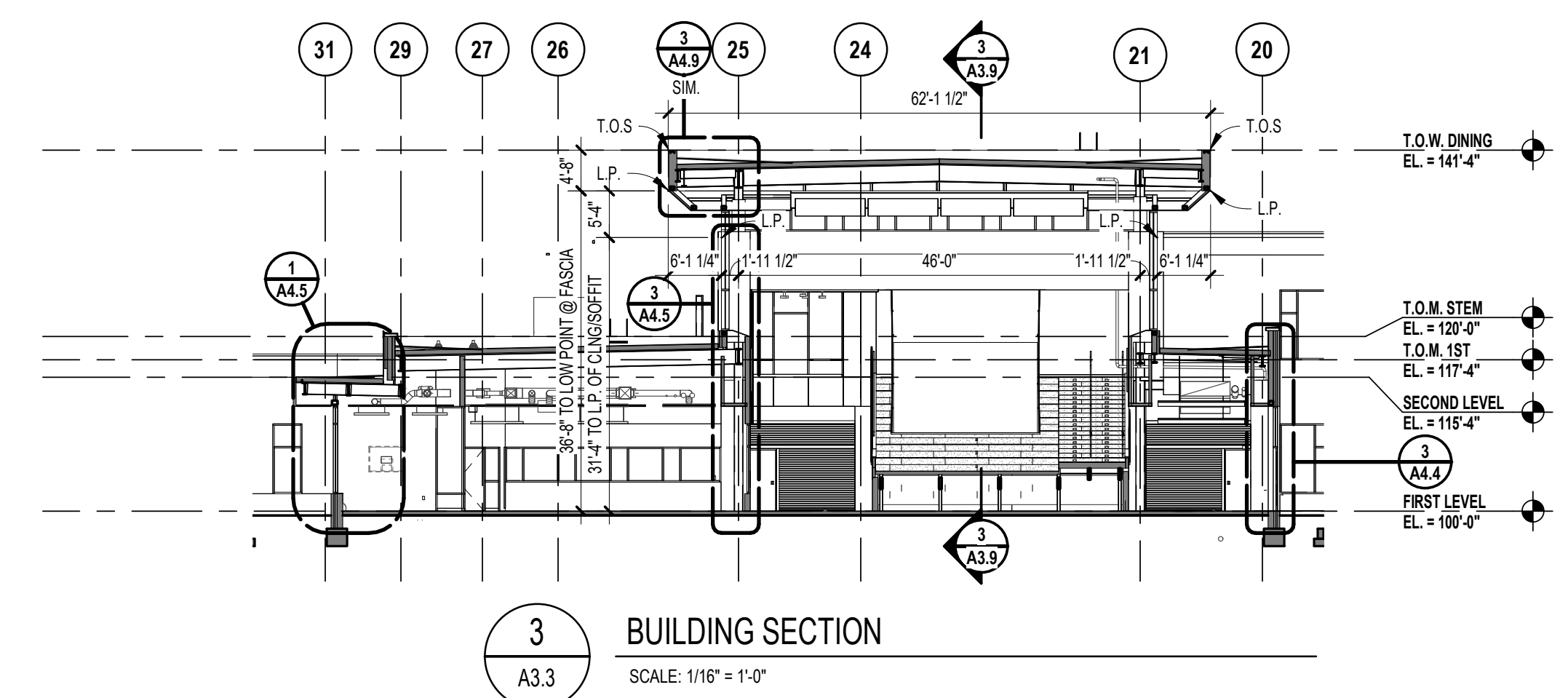
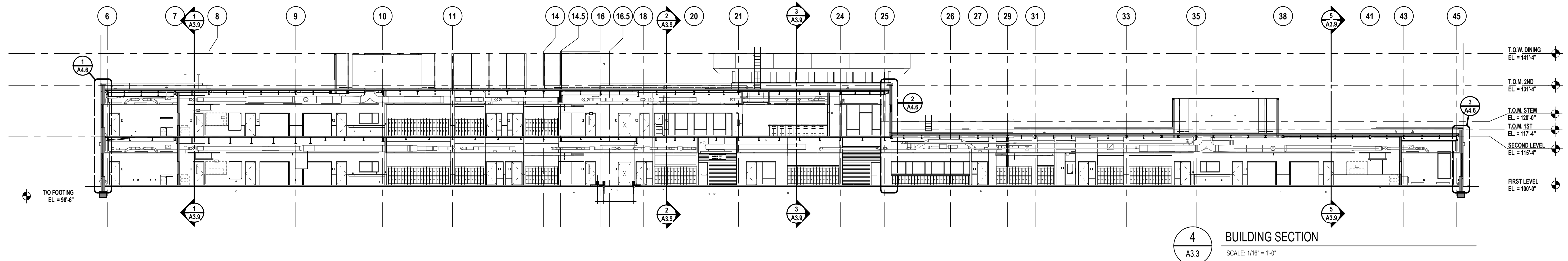
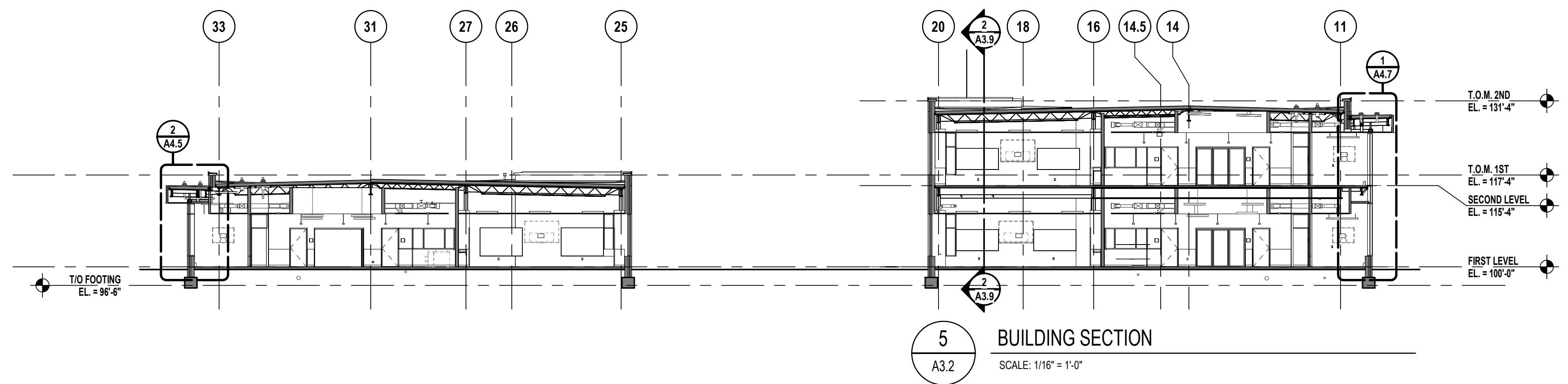
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**22102**

DRAWING NO.

**A3.8**





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BLOOMFIELD HILLS, MICHIGAN 48302  
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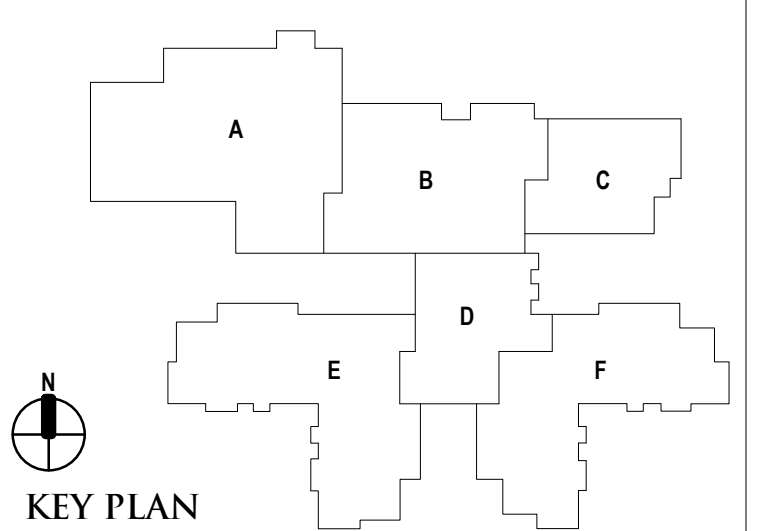
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

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**Building Sections**



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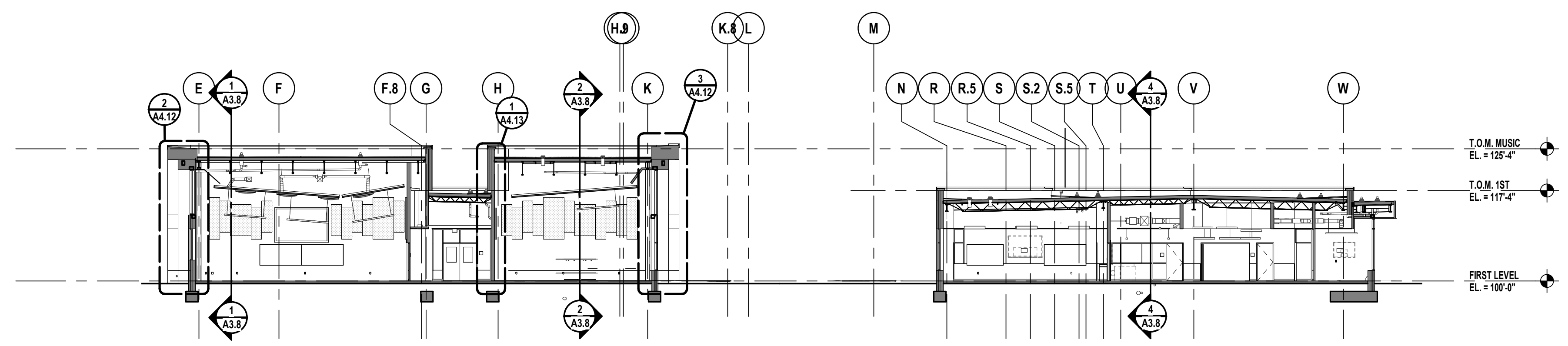
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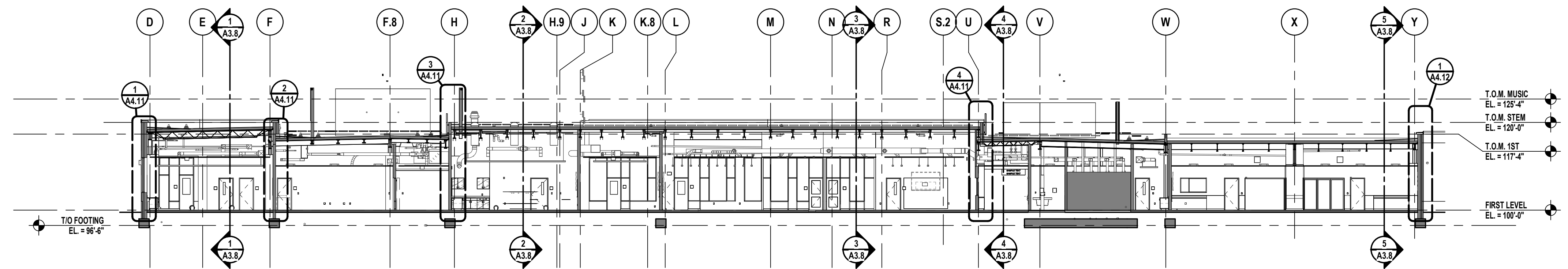
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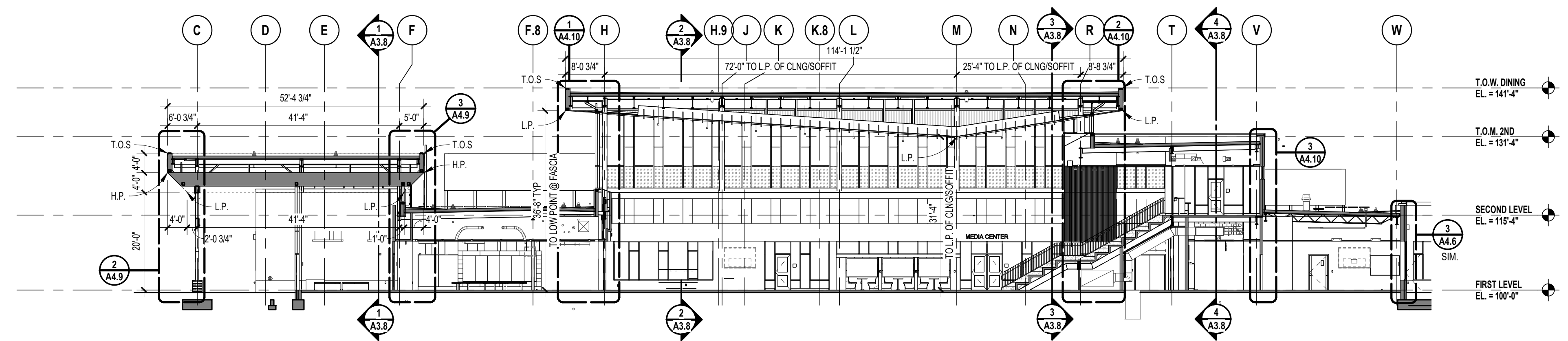
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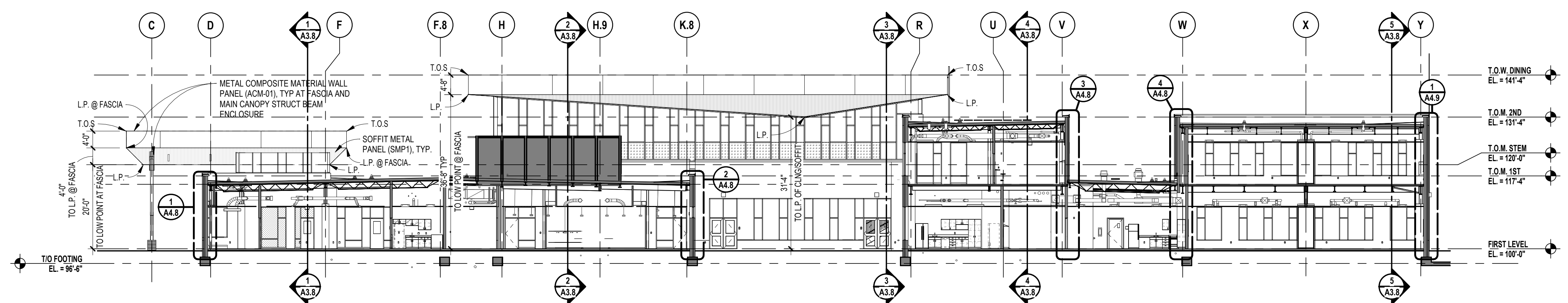
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A3.2 SCALE: 1/16" = 1'-0"



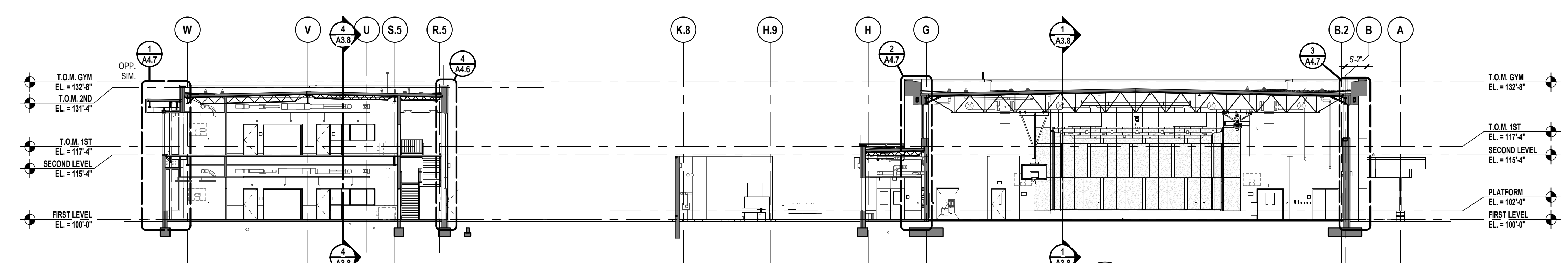
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A3.3 SCALE: 1/16" = 1'-0"



**3 BUILDING SECTION**  
A3.2 SCALE: 1/16" = 1'-0"



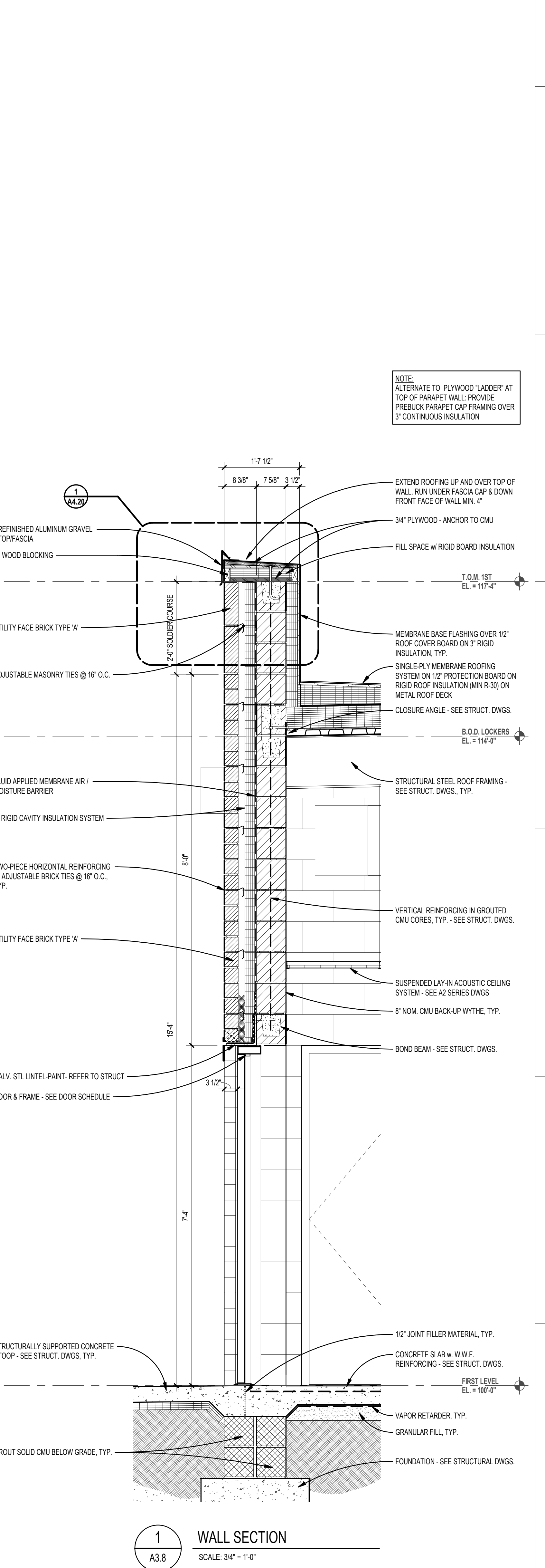
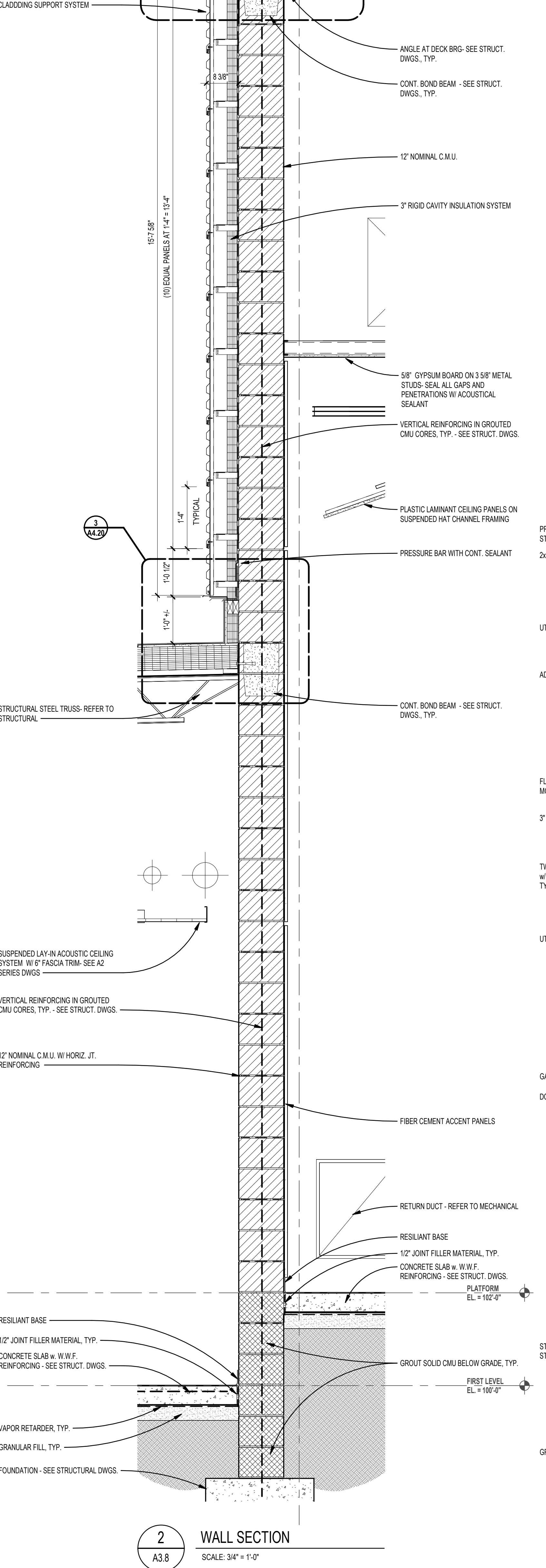
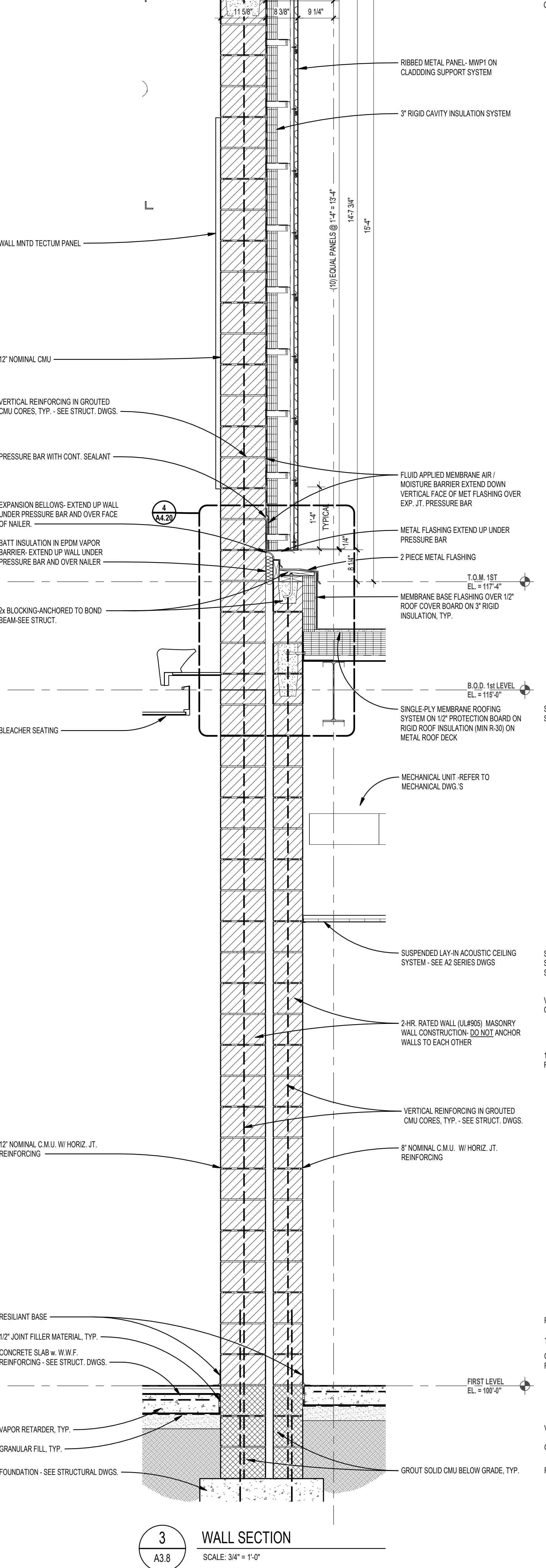
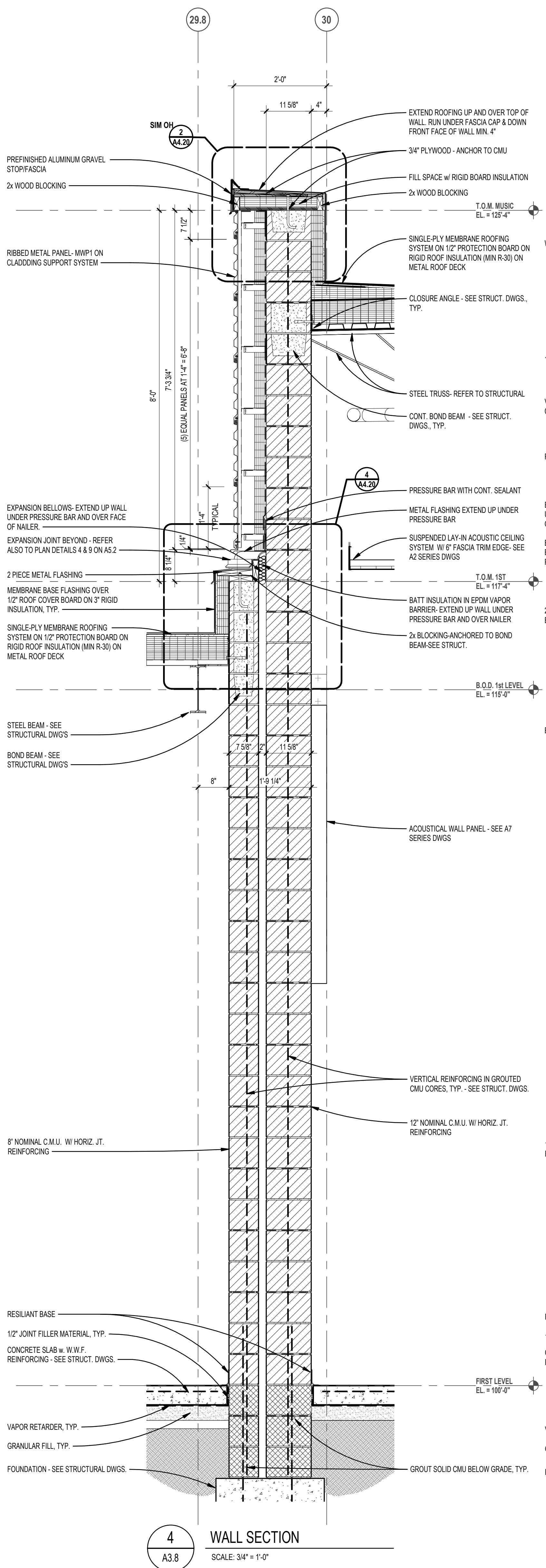
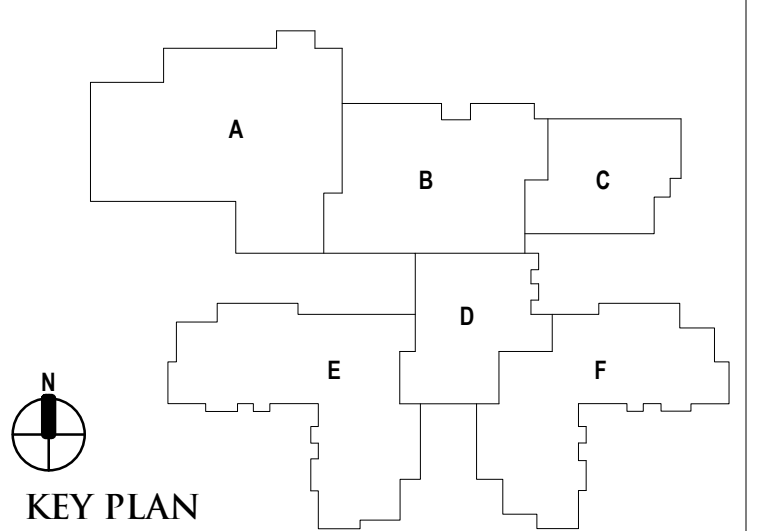
**2 BUILDING SECTION**  
A3.2 SCALE: 1/16" = 1'-0"



**1 BUILDING SECTION**  
A3.2 SCALE: 1/16" = 1'-0"

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NOTE:  
ALTERNATE TO PLYWOOD 'LADDER' AT  
TOP OF PARAPET WALL. PROVIDE  
PREBUILT PARAPET CAP FRAMING OVER  
3" CONTINUOUS INSULATION

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PROJECT TITLE  
**NEW SMITH  
 MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Wall Sections**

ISSUE DATES

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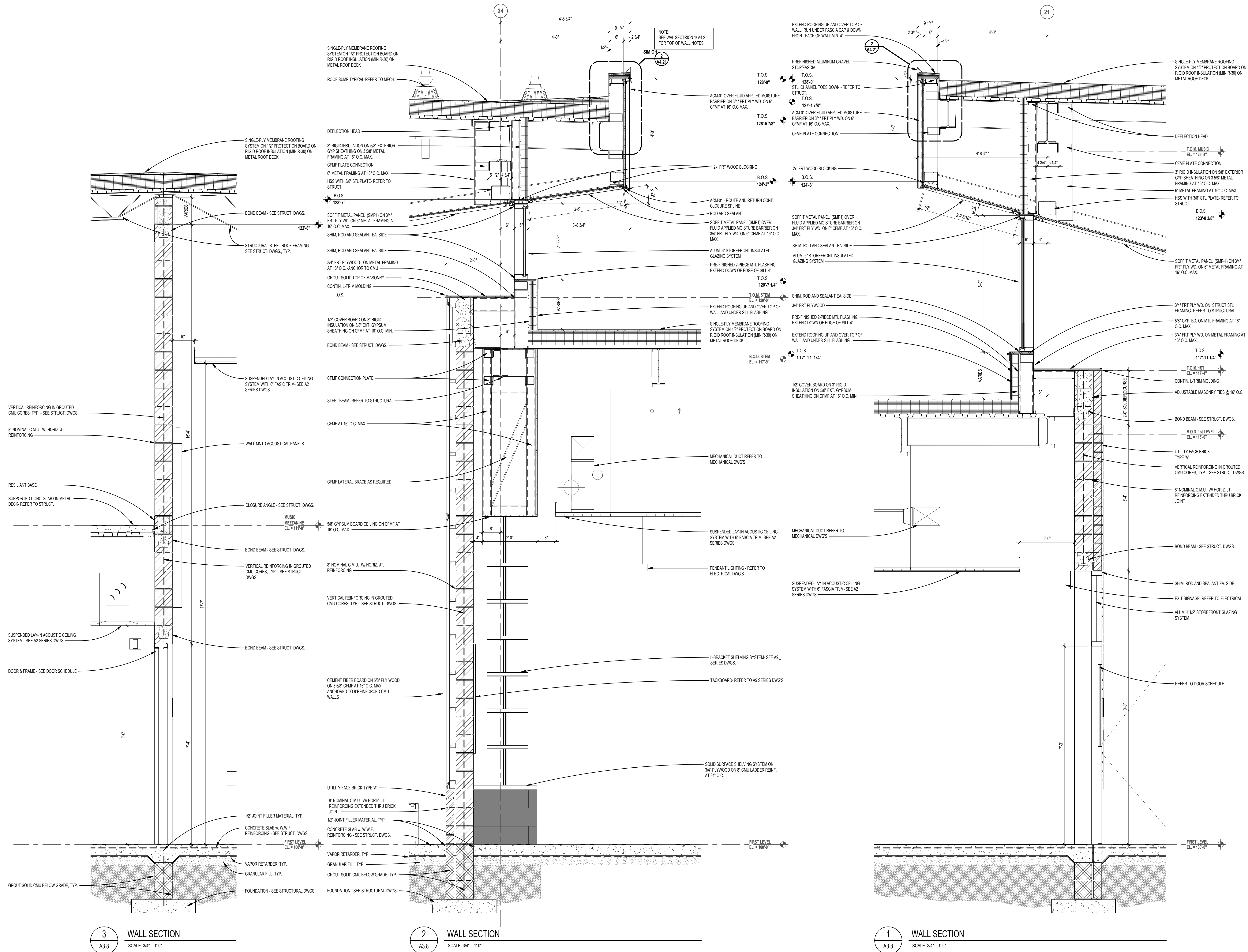
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PROJECT NO.  
**22102**

DRAWING NO.  
**A4.2**

NOTE:  
 ALTERNATE TO PLYWOOD LADDER AT  
 TOP OF PARAMET WALL PROVIDE  
 PREBUILT PARAMET CAP FRAMING OVER  
 3" CONTINUOUS INSULATION



REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Wall Sections**

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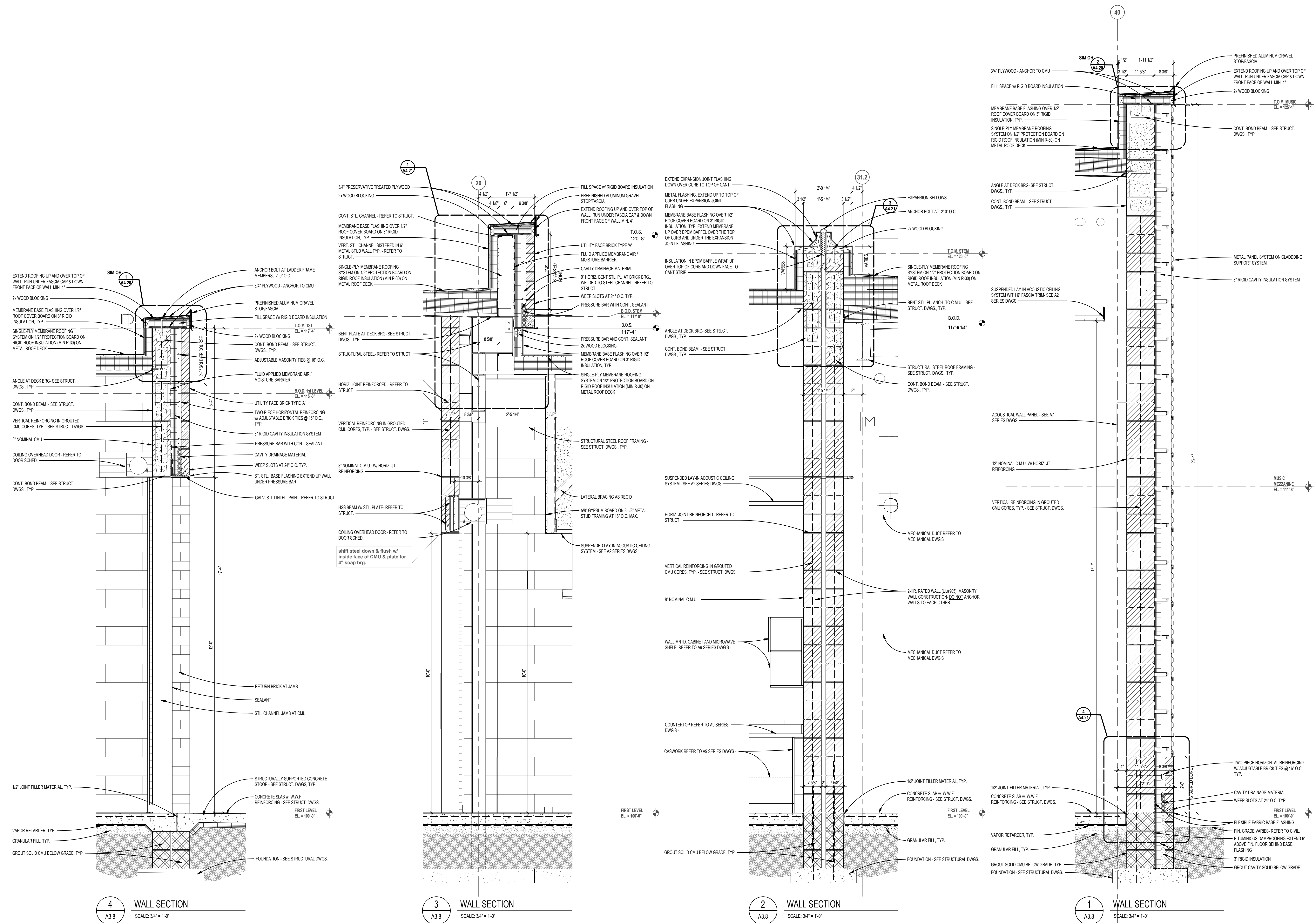
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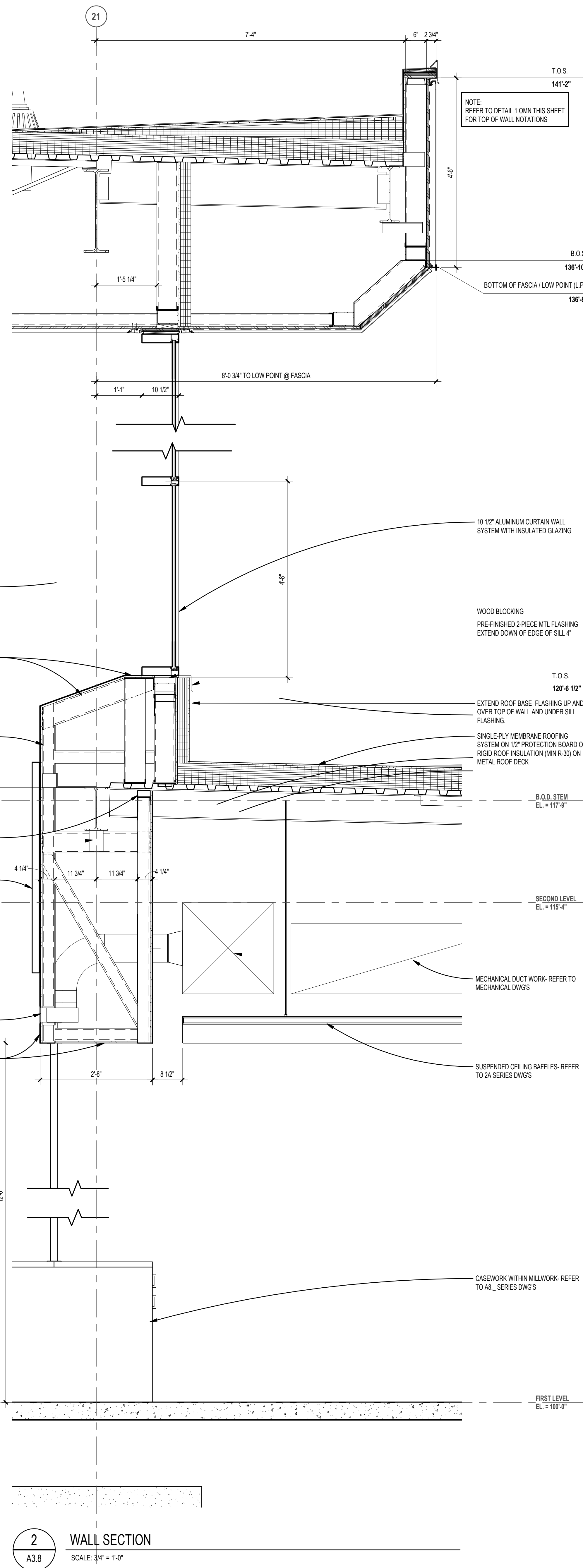
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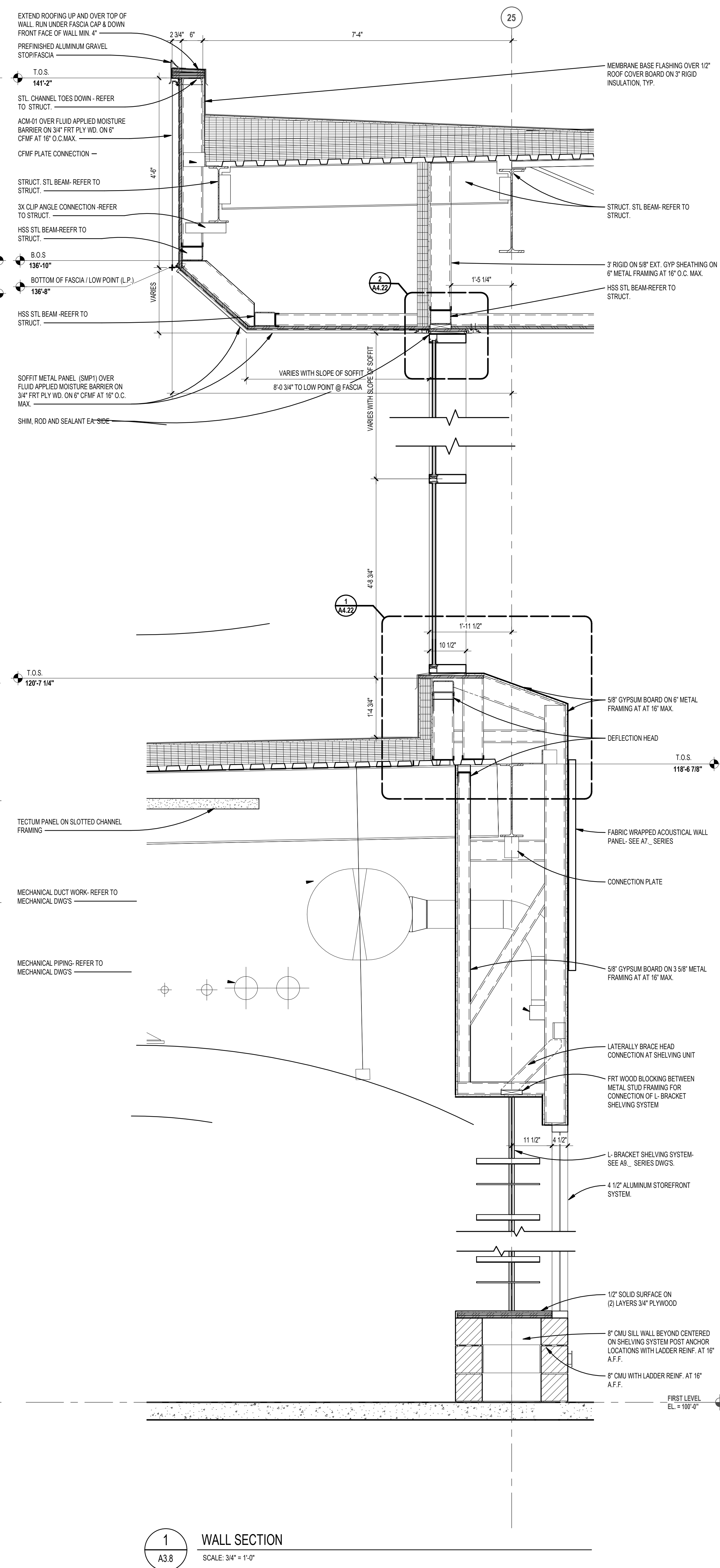
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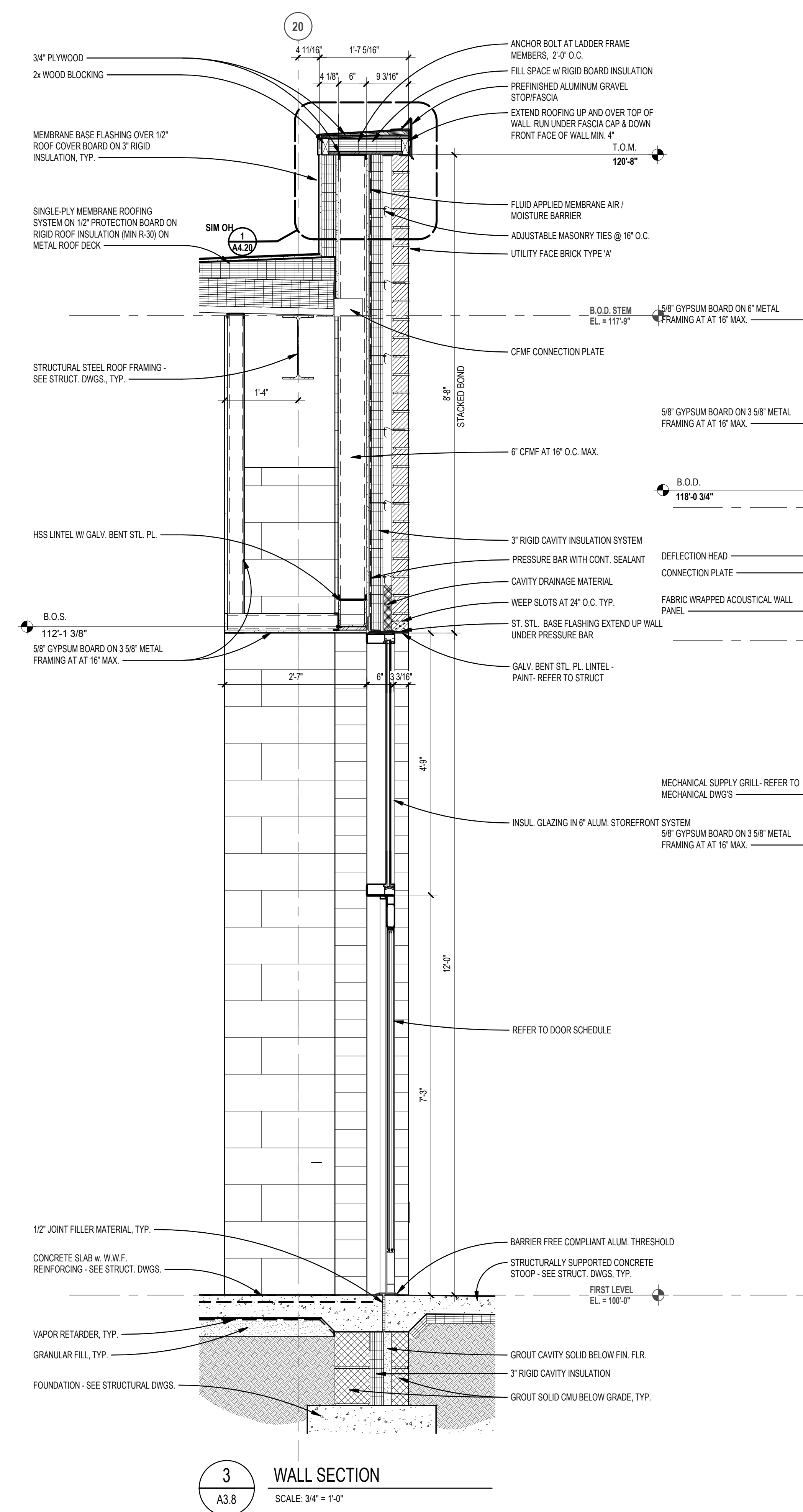
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2 WALL SECTION  
SCALE: 3/4" = 1'-0"



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



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

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**NEW SMITH  
 MIDDLE SCHOOL**  
 Bid Package No. 03B

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 Troy, Michigan

DRAWING TITLE  
**Wall Sections**

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DATE ISSUED FOR:

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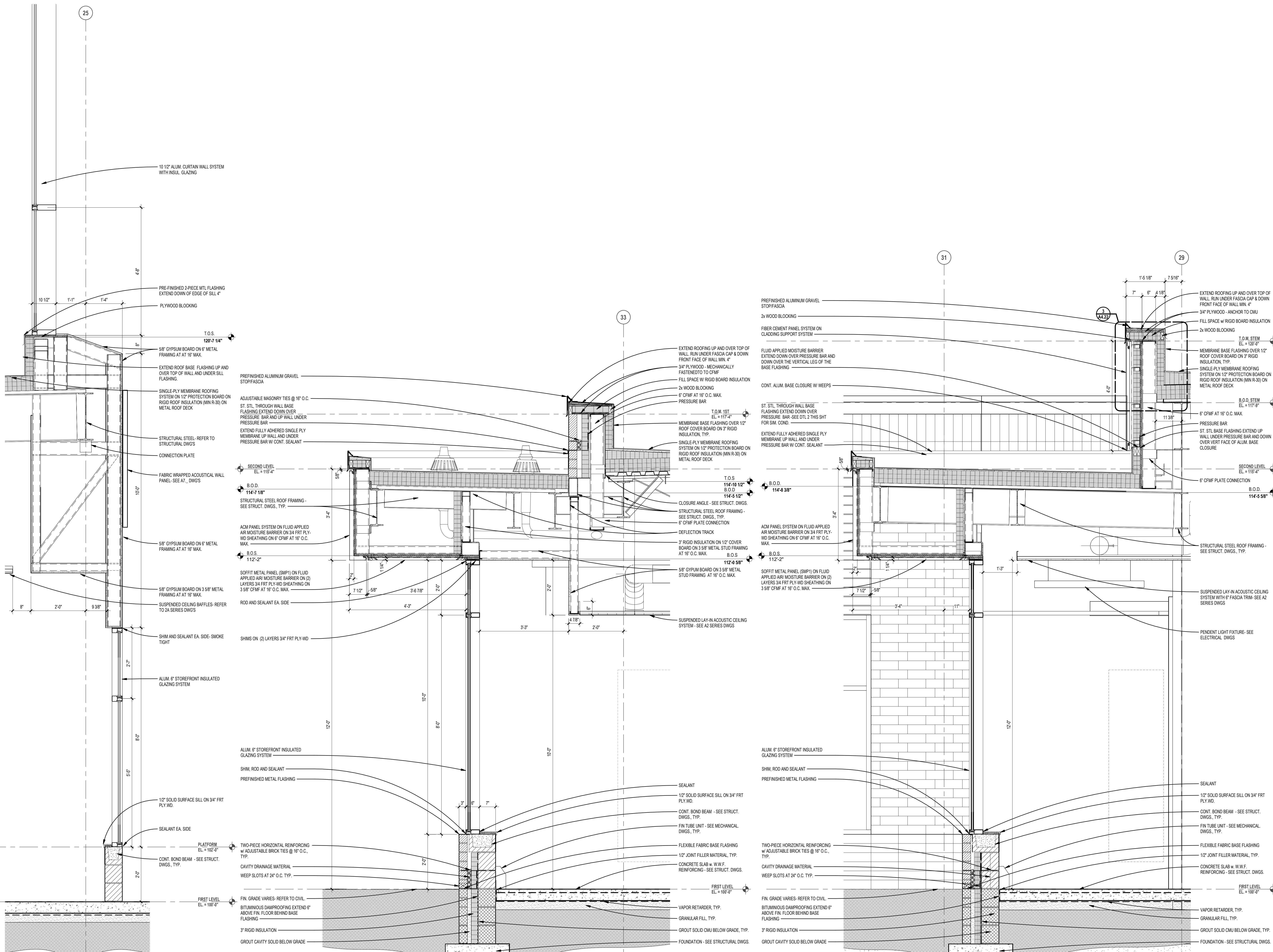
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PROJECT NO.

**22102**

DRAWING NO.

**A4.5**

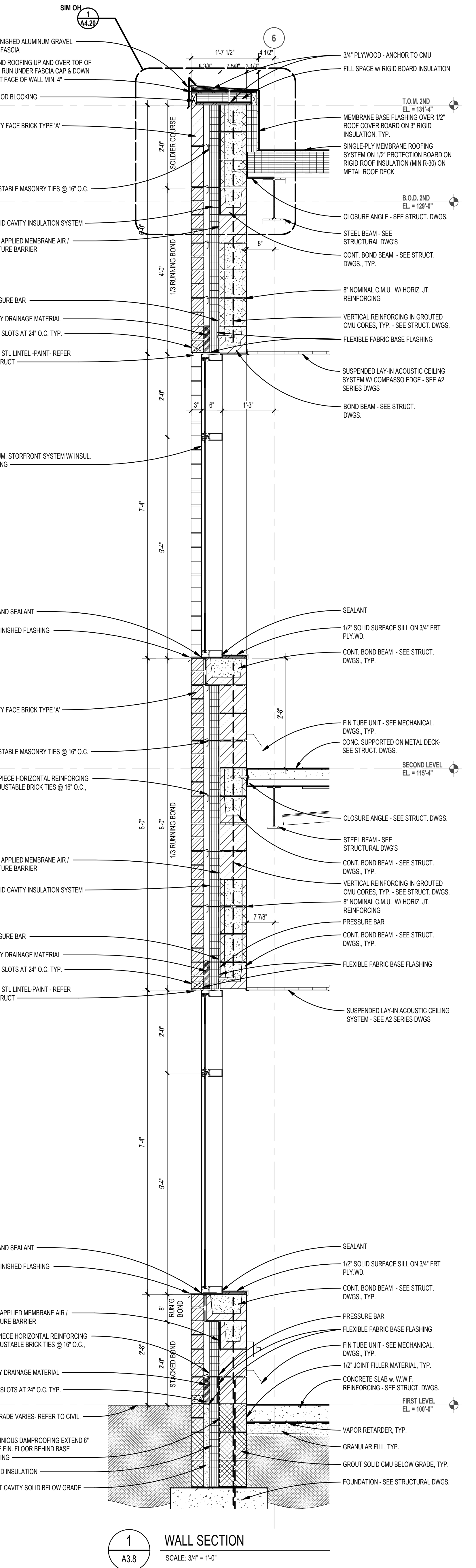
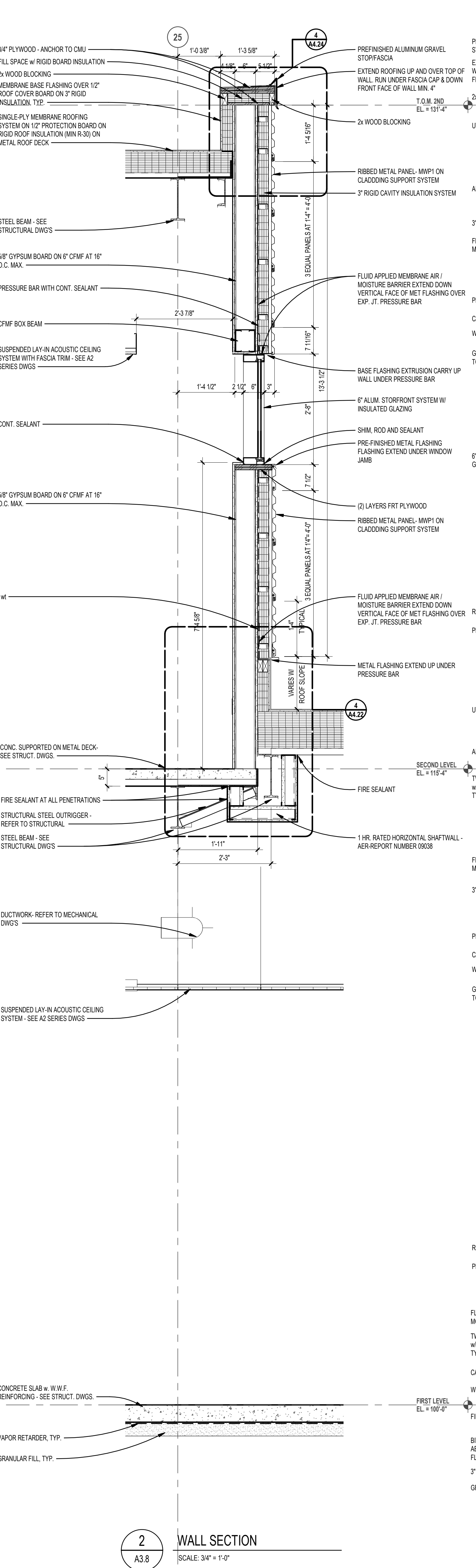
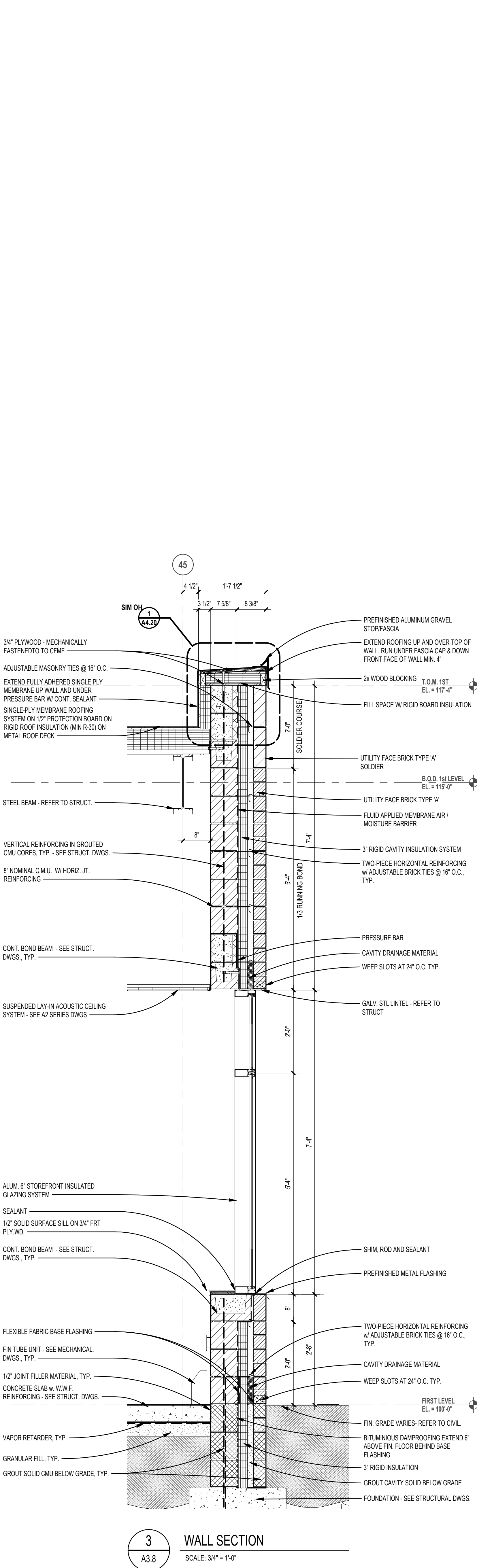
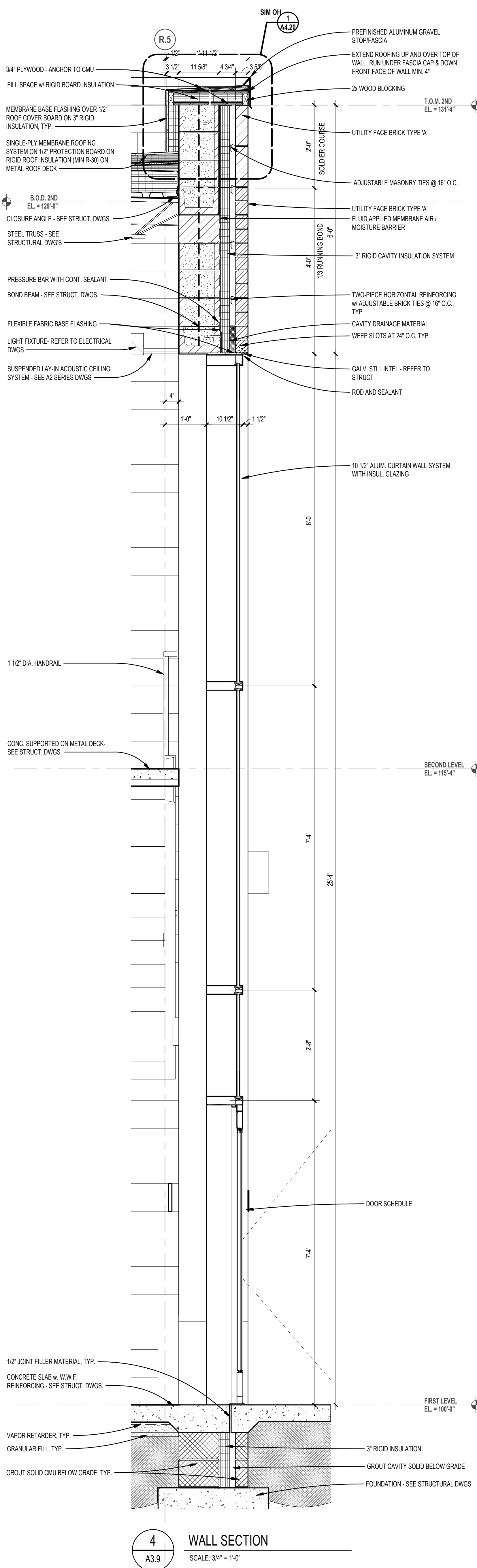


**3** WALL SECTION  
 A3.8 SCALE: 3/4" = 1'-0"

**2** WALL SECTION  
 A3.8 SCALE: 3/4" = 1'-0"

**1** WALL SECTION  
 A3.8 SCALE: 3/4" = 1'-0"

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**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

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**Wall Sections**

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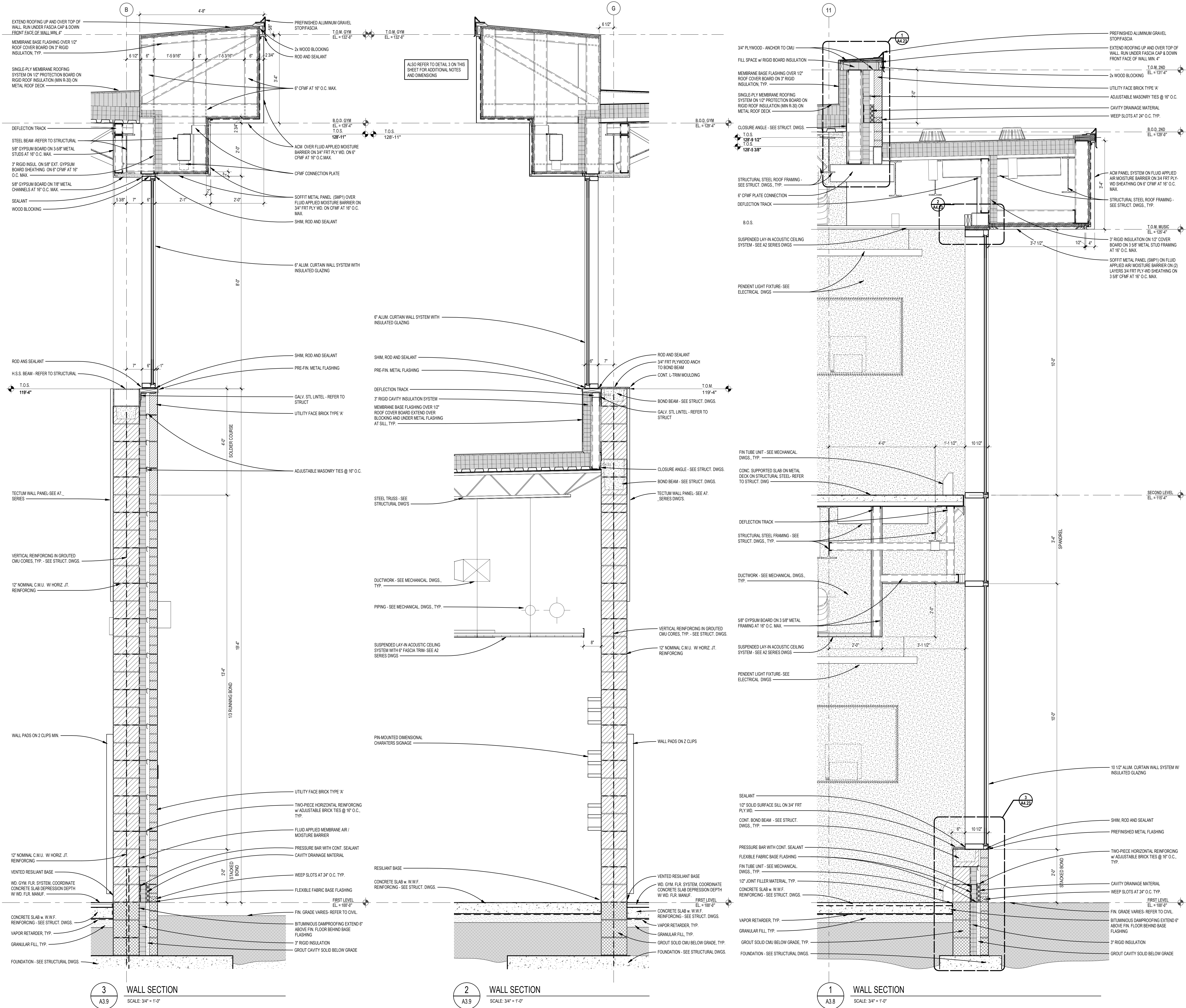
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**22102**  
DRAWING NO.  
**A4.7**



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

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

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

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Wall Sections**

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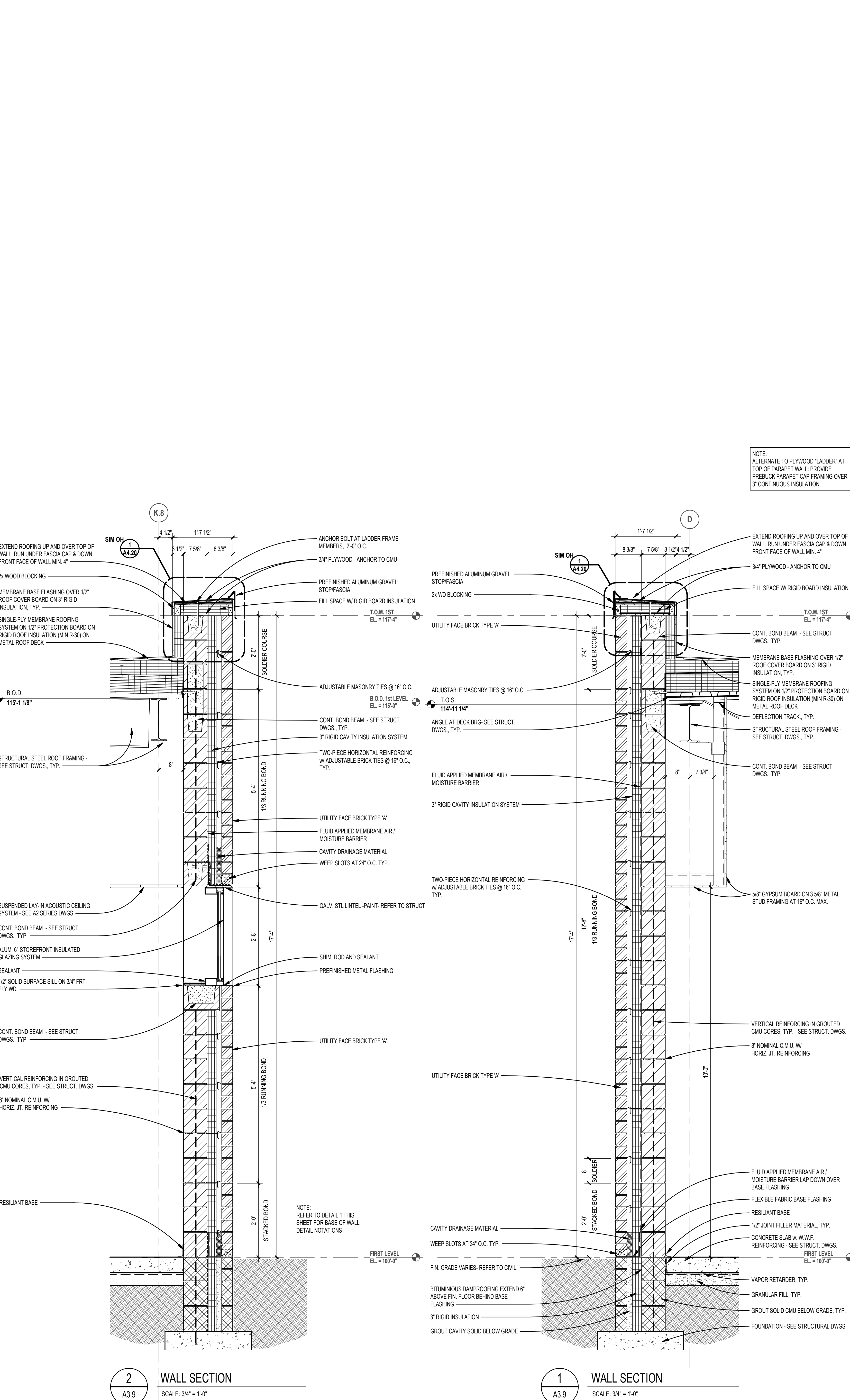
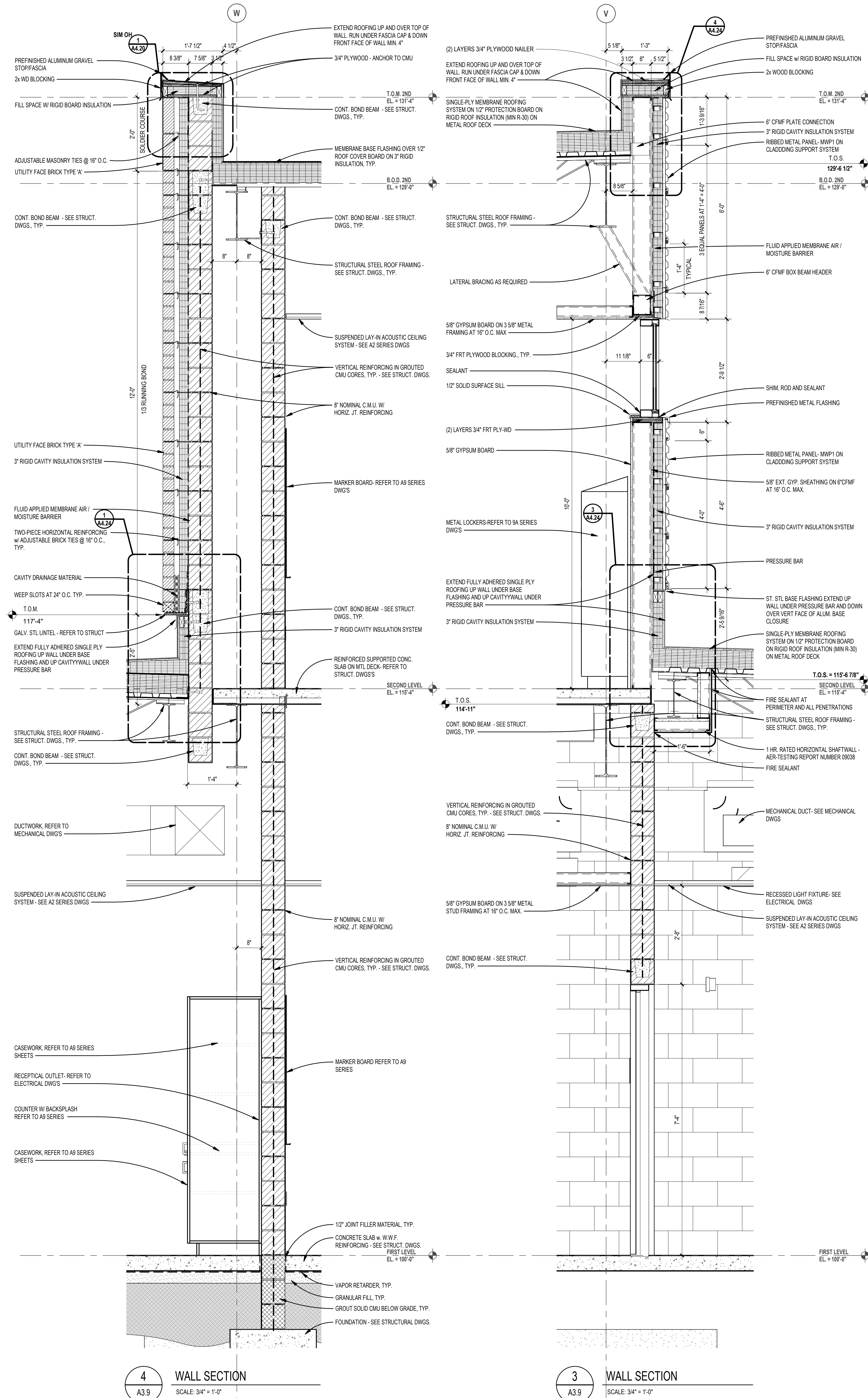
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PROJECT NO.

**22102**

DRAWING NO.

**A4.8**



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

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

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

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





TMP ARCHITECTURE INC  
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 Bid Package No. 03B

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DRAWING TITLE  
**Wall Sections**

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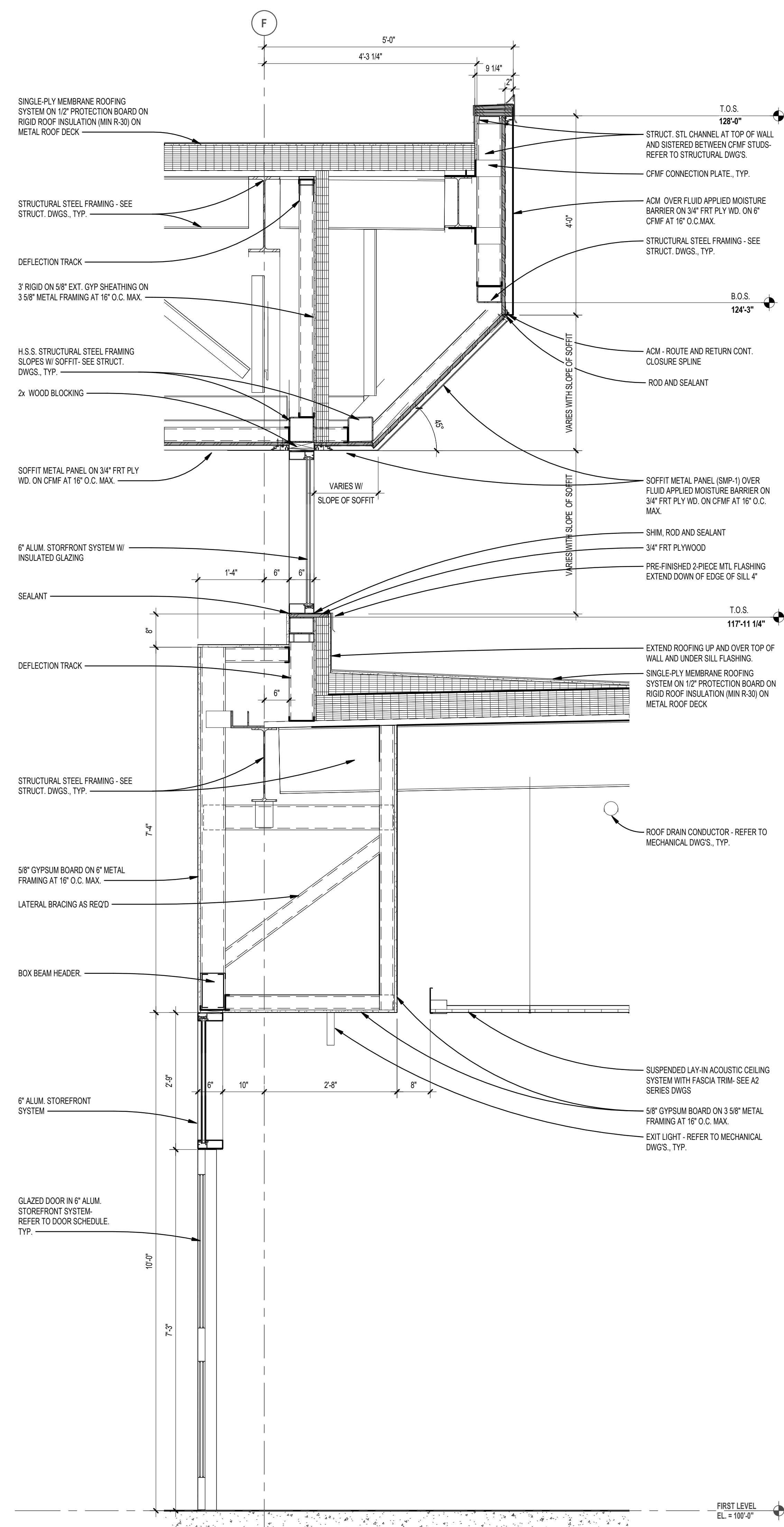
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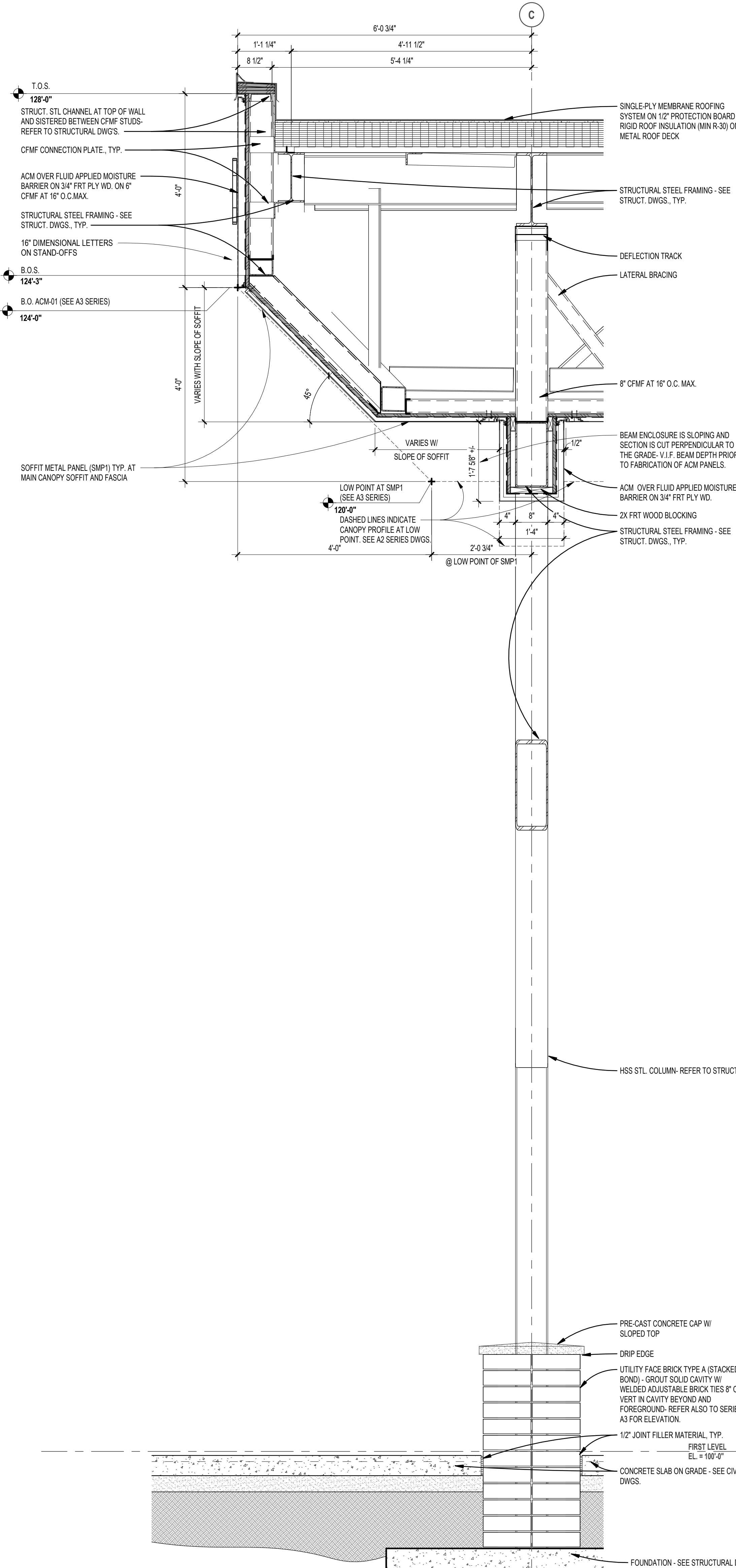
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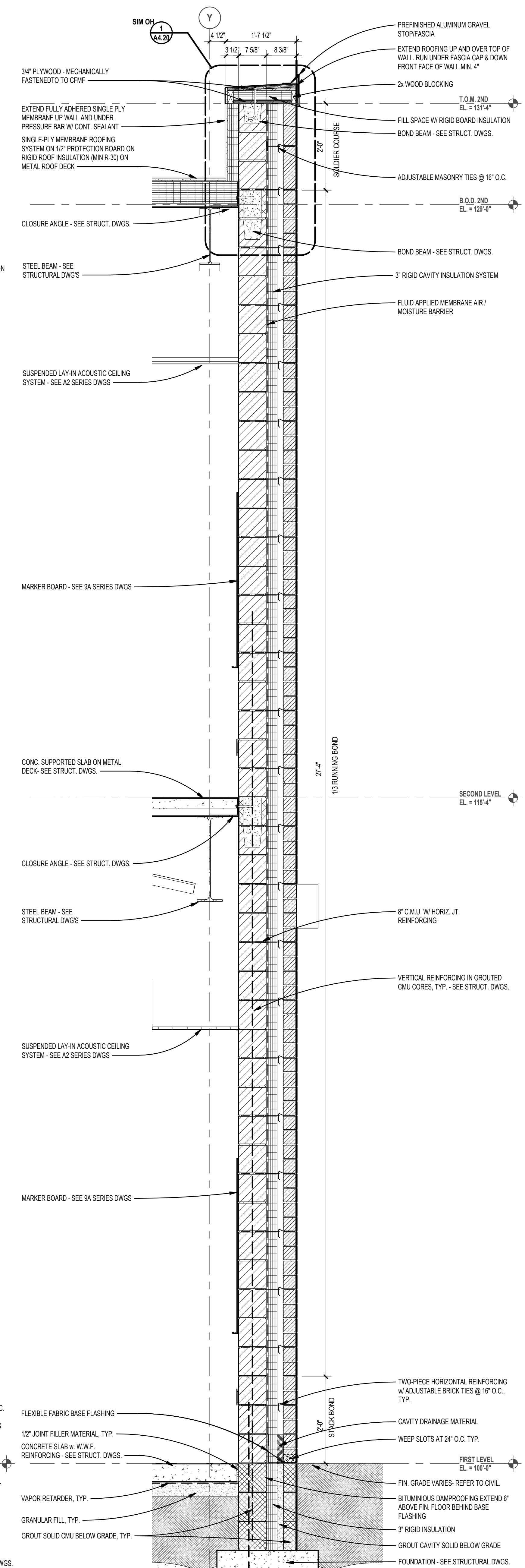
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**3** WALL SECTION  
 A3.8 SCALE: 3/4" = 1'-0"



**2** WALL SECTION  
 A3.9 SCALE: 3/4" = 1'-0"



**1** WALL SECTION  
 A3.9 SCALE: 3/4" = 1'-0"

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Troy, Michigan

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**Wall Sections**

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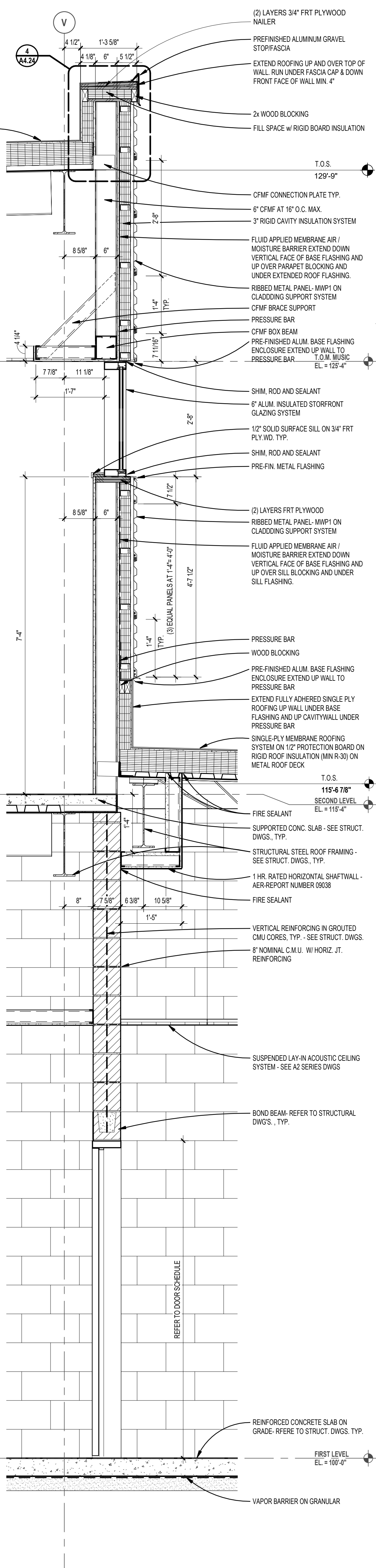
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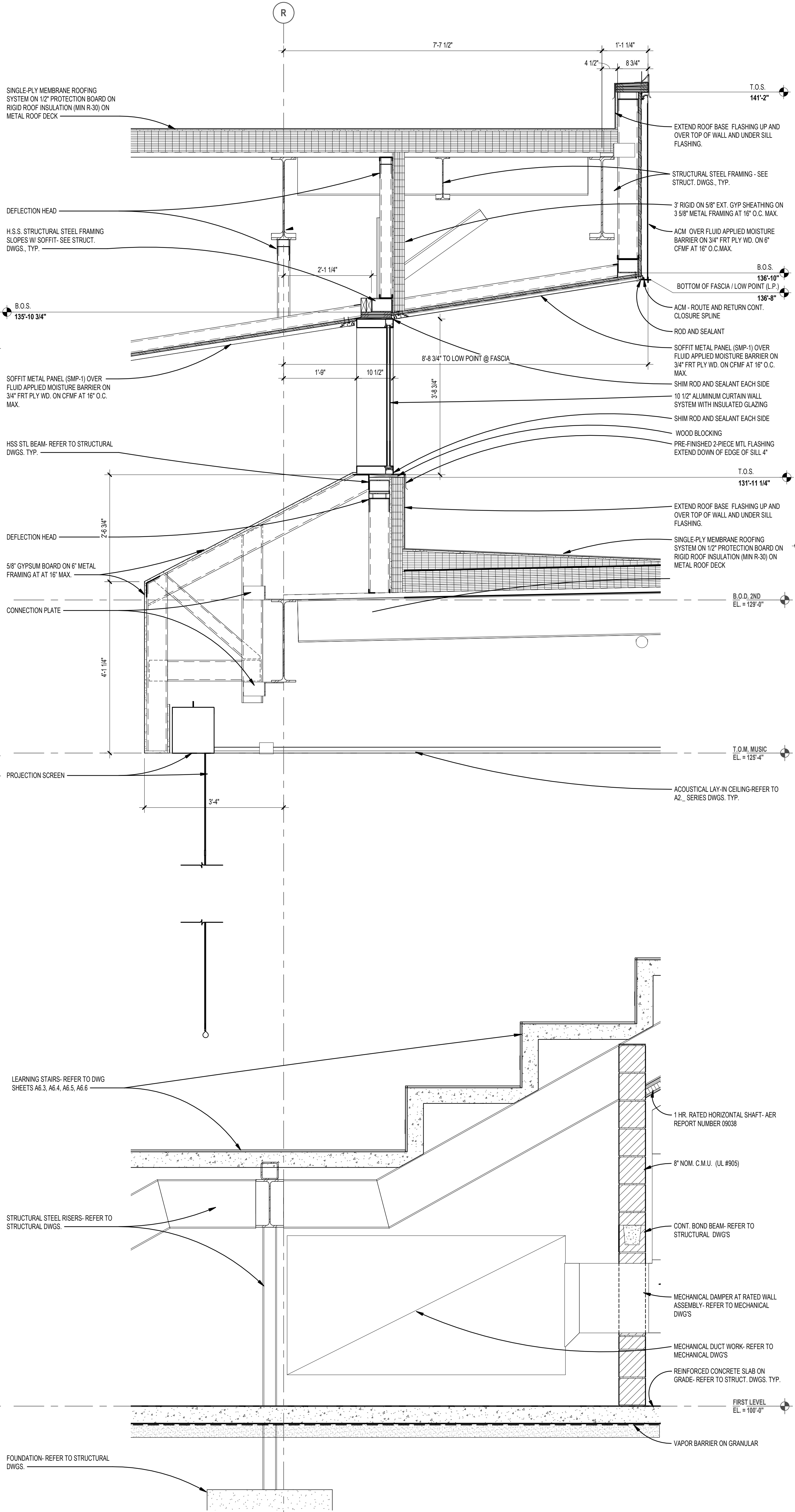
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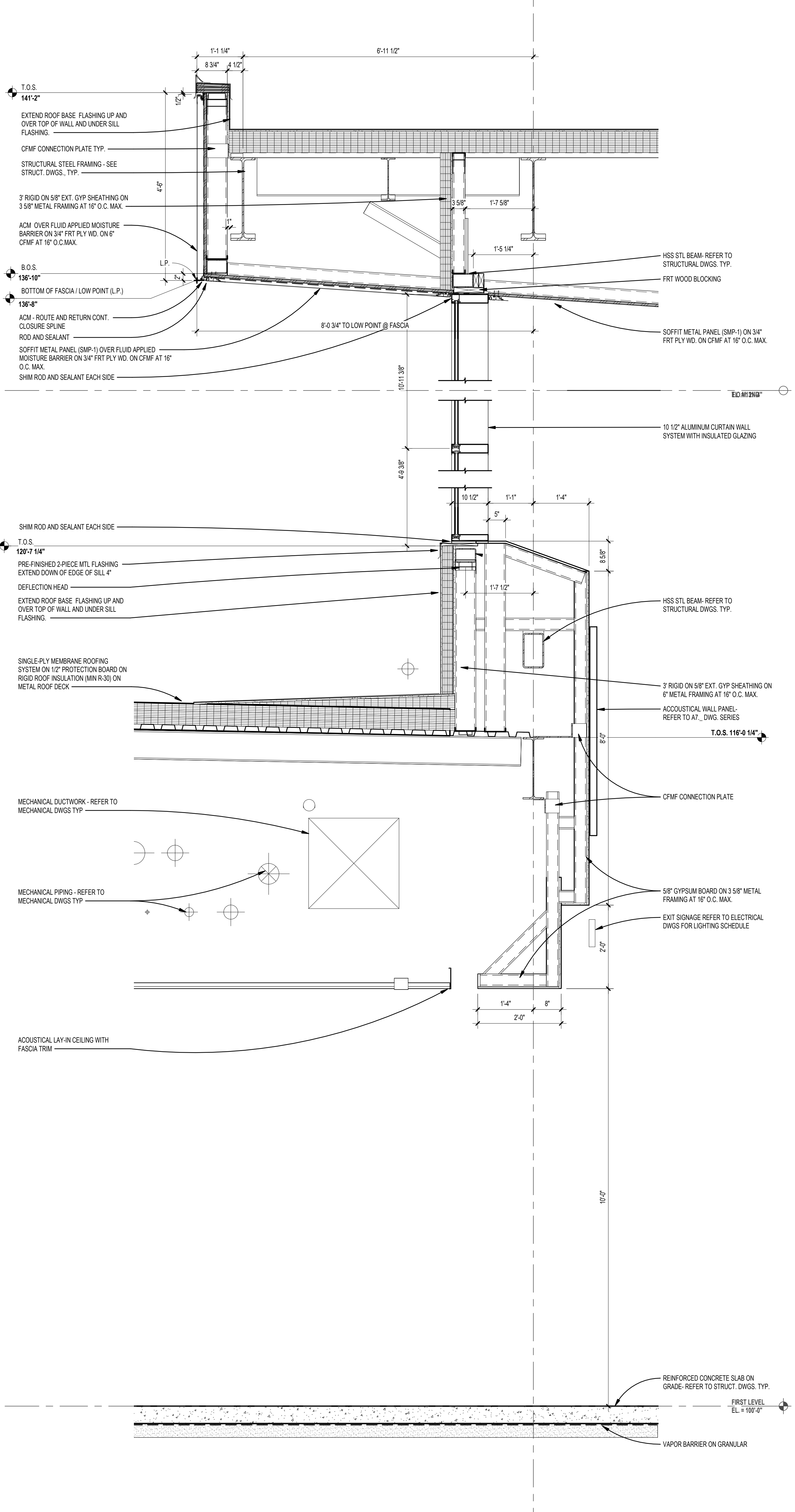
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3 WALL SECTION  
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2 WALL SECTION  
SCALE: 3/4" = 1'-0"



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

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
 MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

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**Wall Sections**

ISSUE DATES

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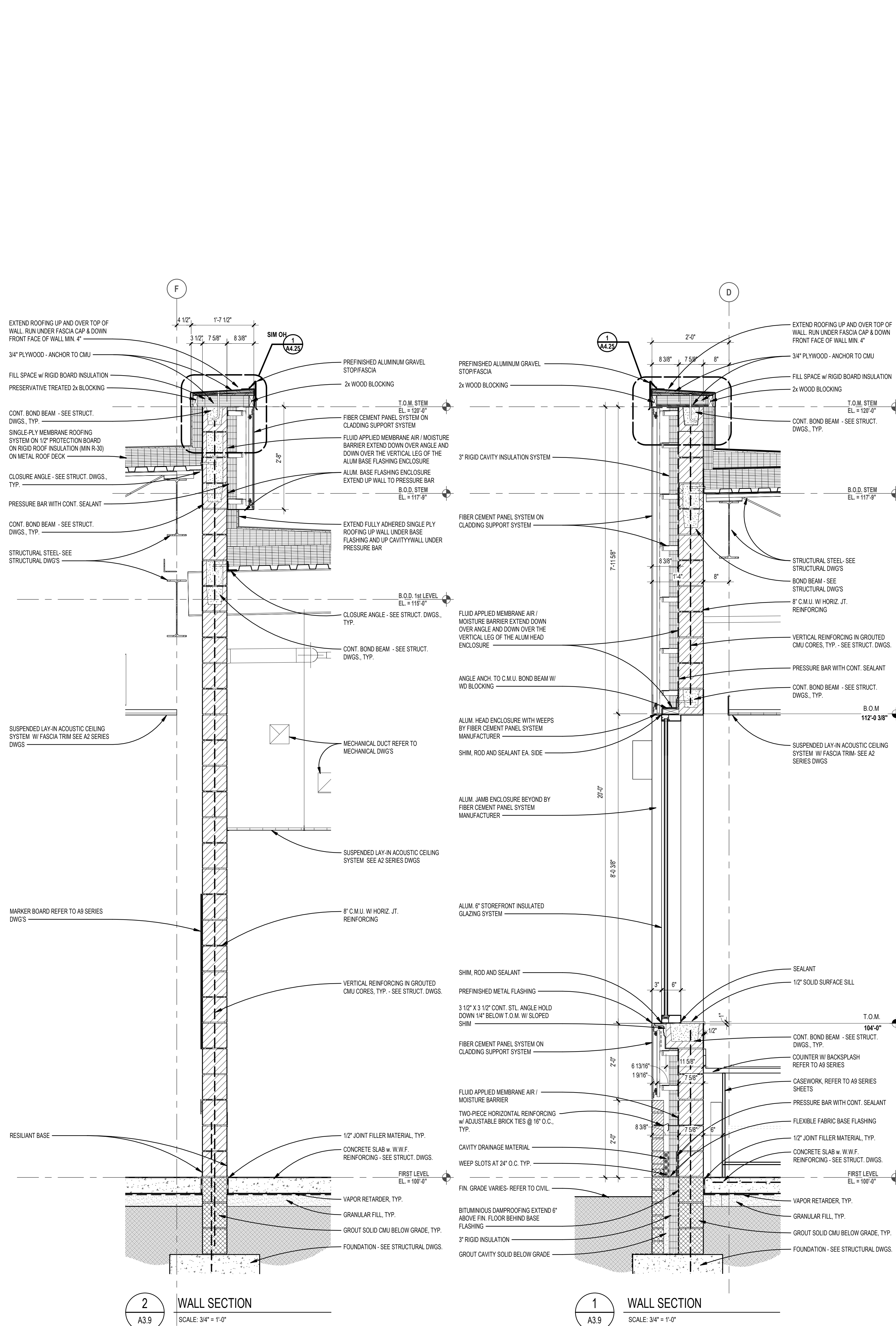
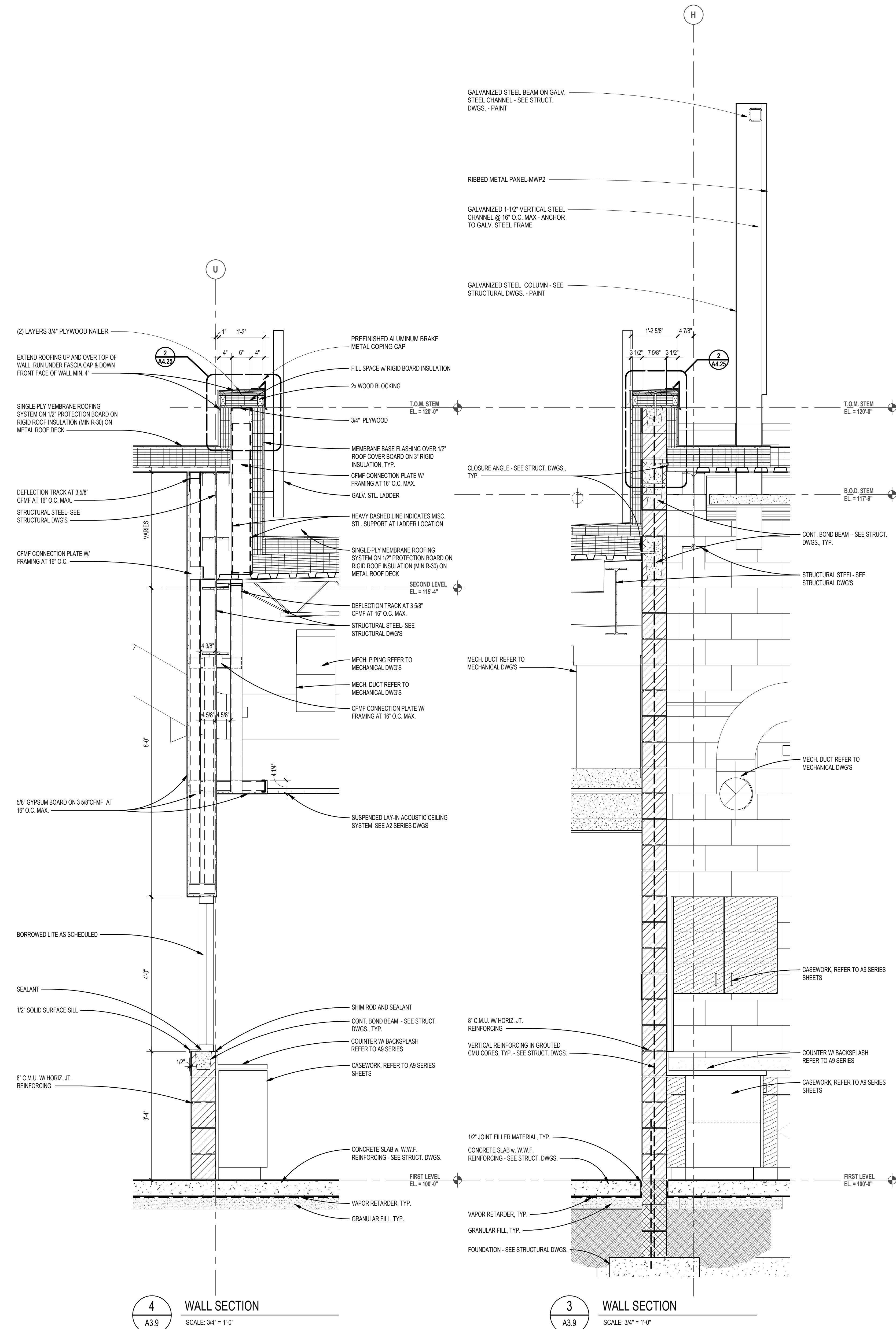
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**22102**

DRAWING NO.  
**A4.11**



REGISTRATION SEAL

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PROJECT TITLE  
**NEW SMITH  
 MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

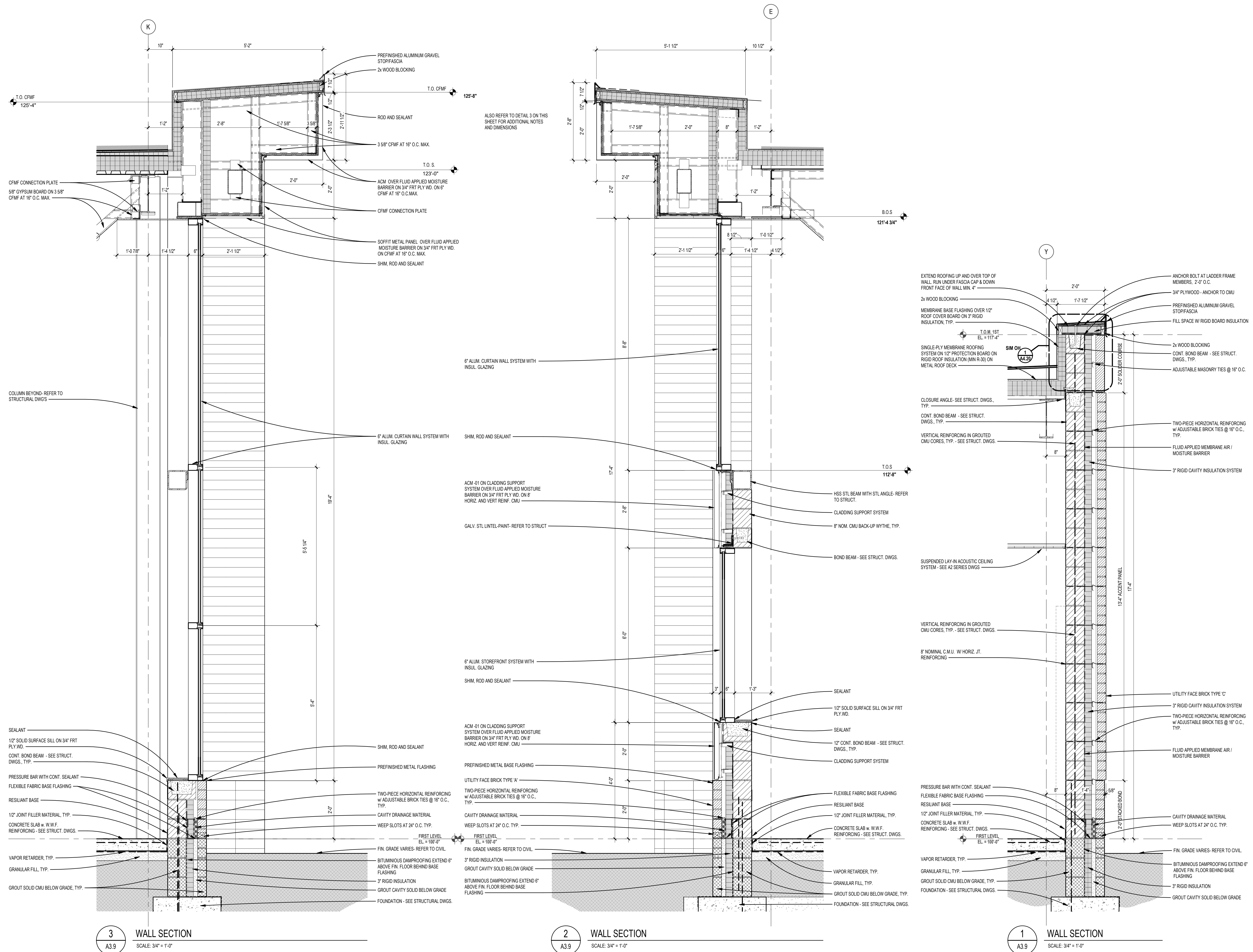
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**22102**  
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**A4.12**



REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
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 MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Wall Sections**

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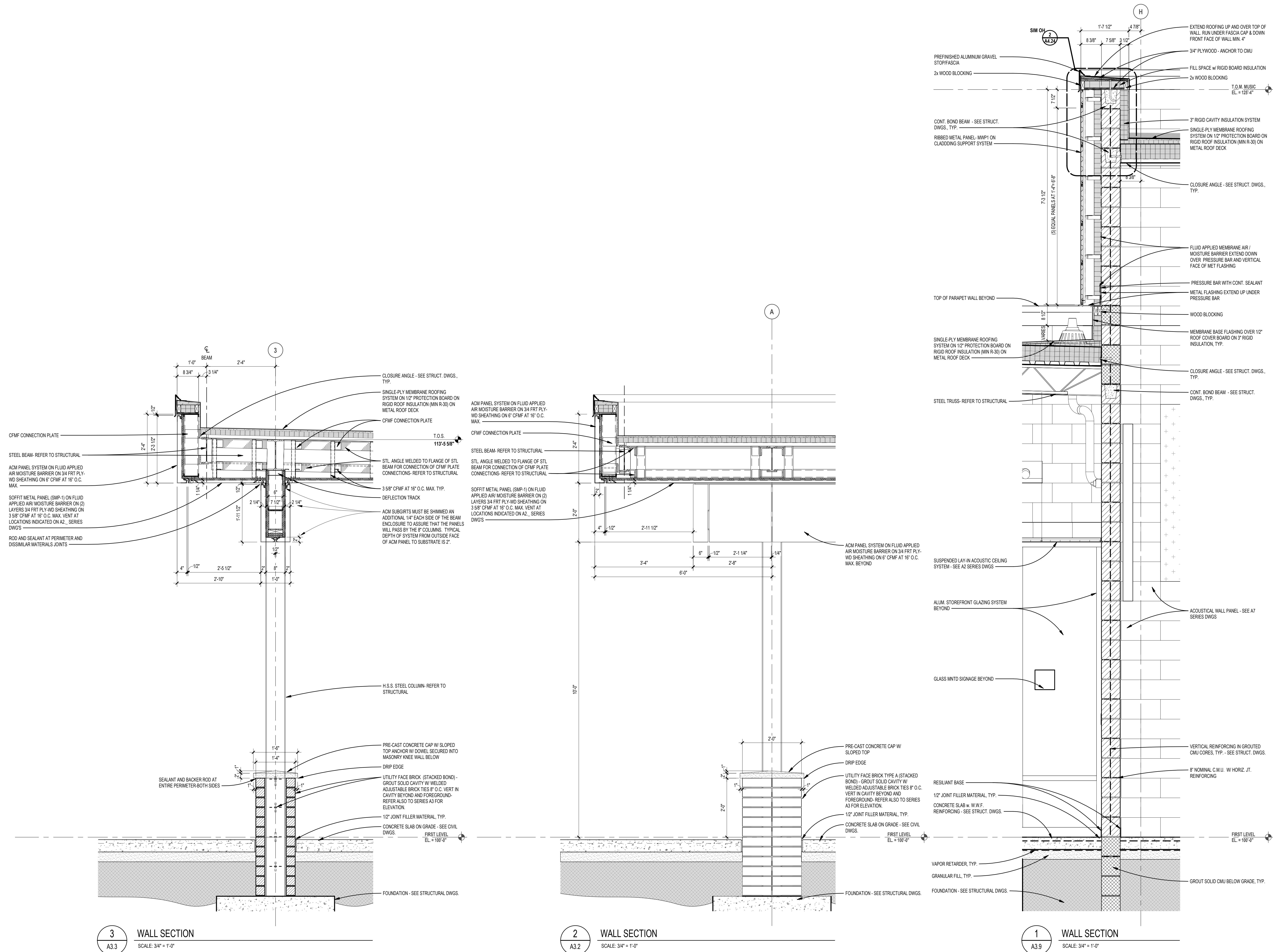
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APPROVED dt

PROJECT NO.  
**22102**

DRAWING NO.  
**A4.13**



REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Wall Sections**

ISSUE DATES

06-18-2024 CONSTRUCTION DOCUMENTS

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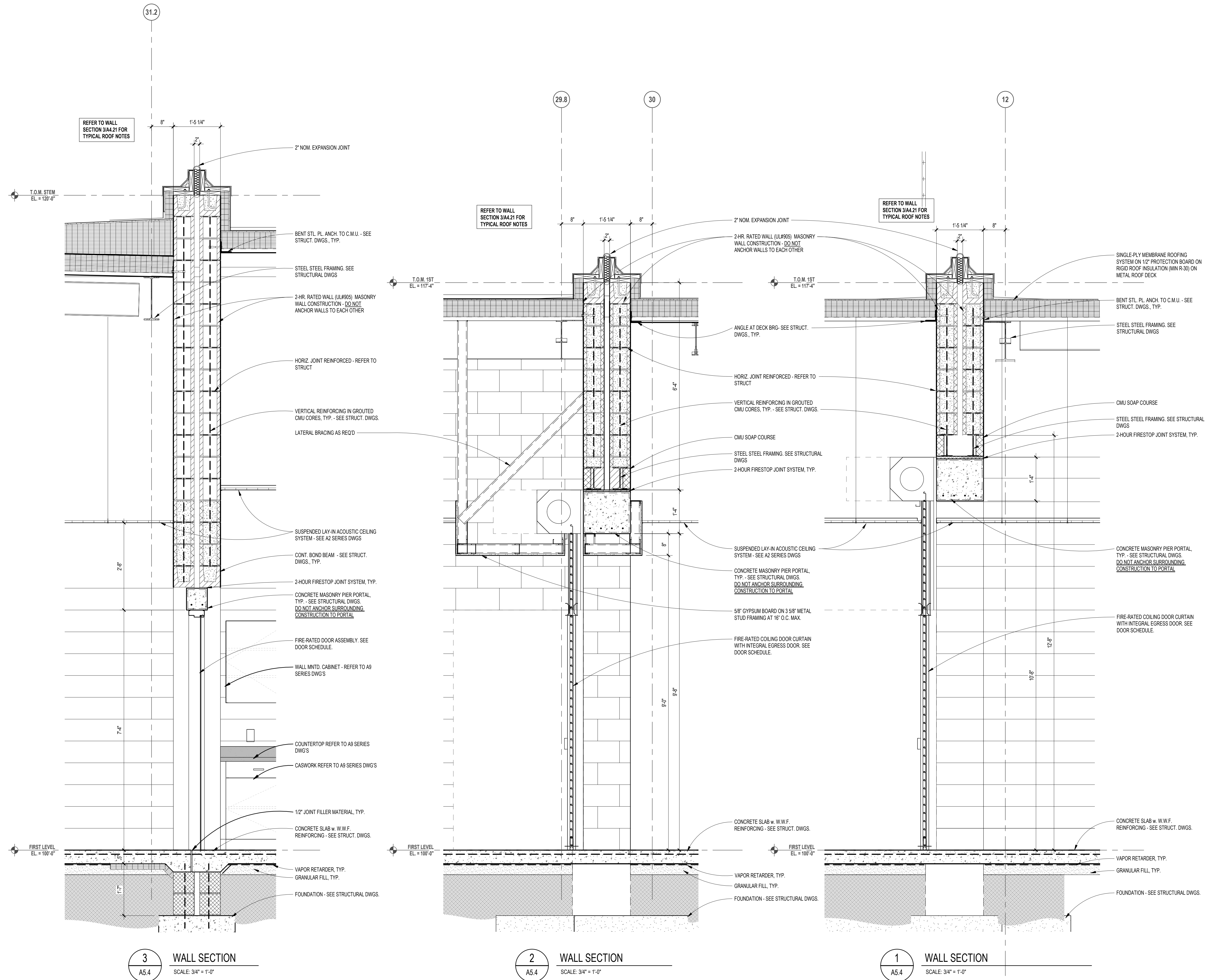
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PROJECT NO.  
**22102**

DRAWING NO.  
**A4.14**



REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Wall Section Details**

ISSUE DATES

06-18-2024 CONSTRUCTION DOCUMENTS

DATE ISSUED FOR:

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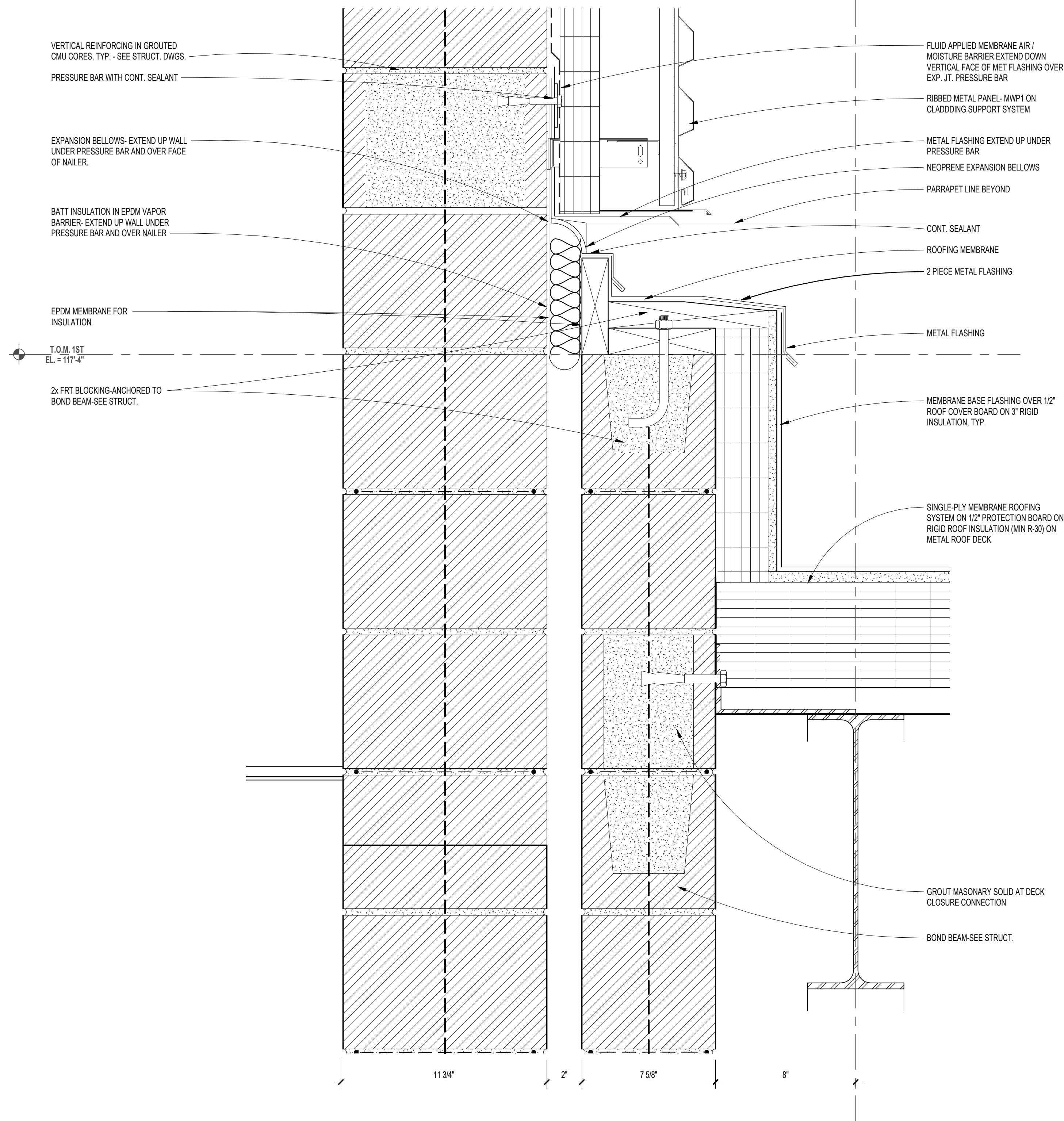
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PROJECT NO.

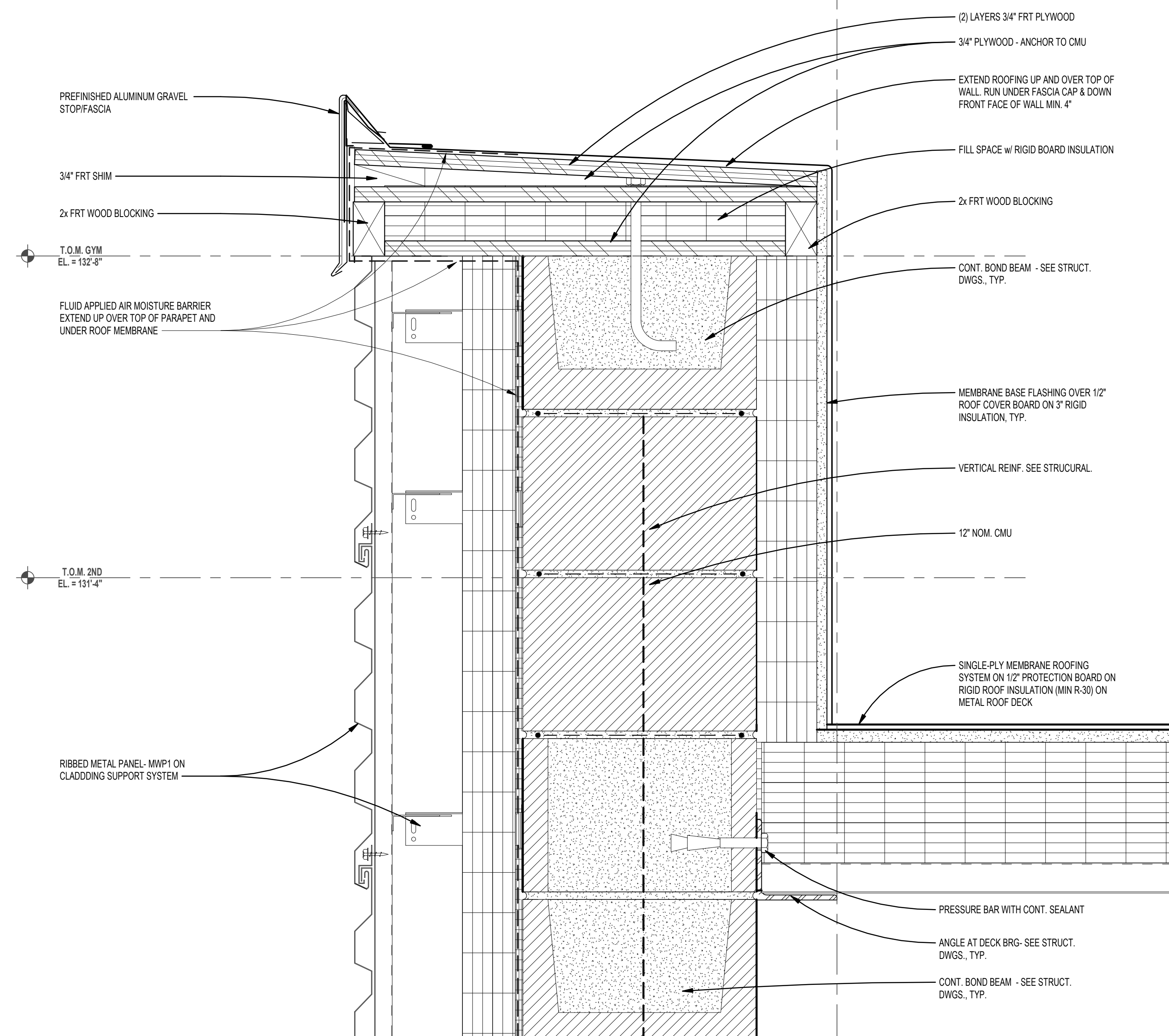
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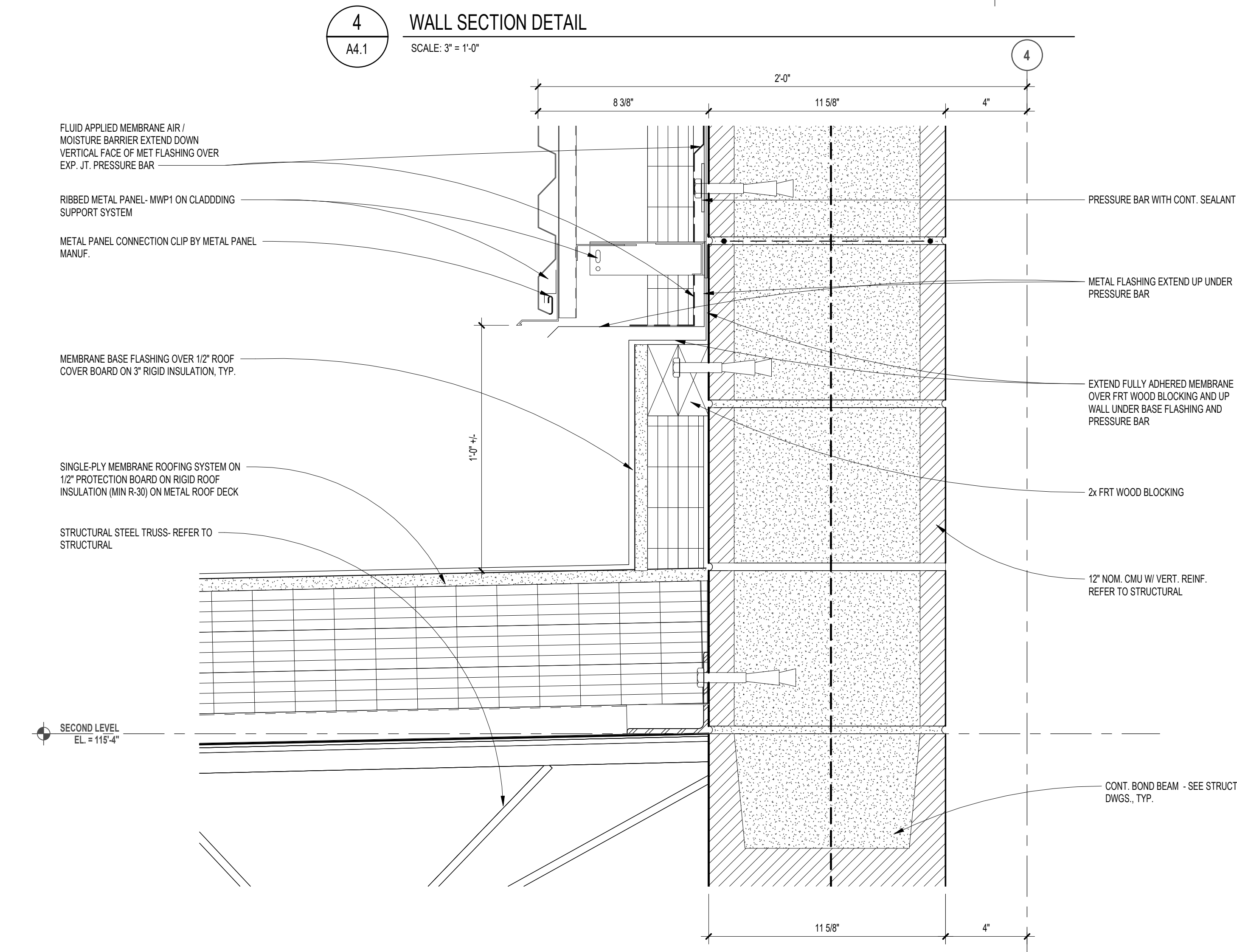
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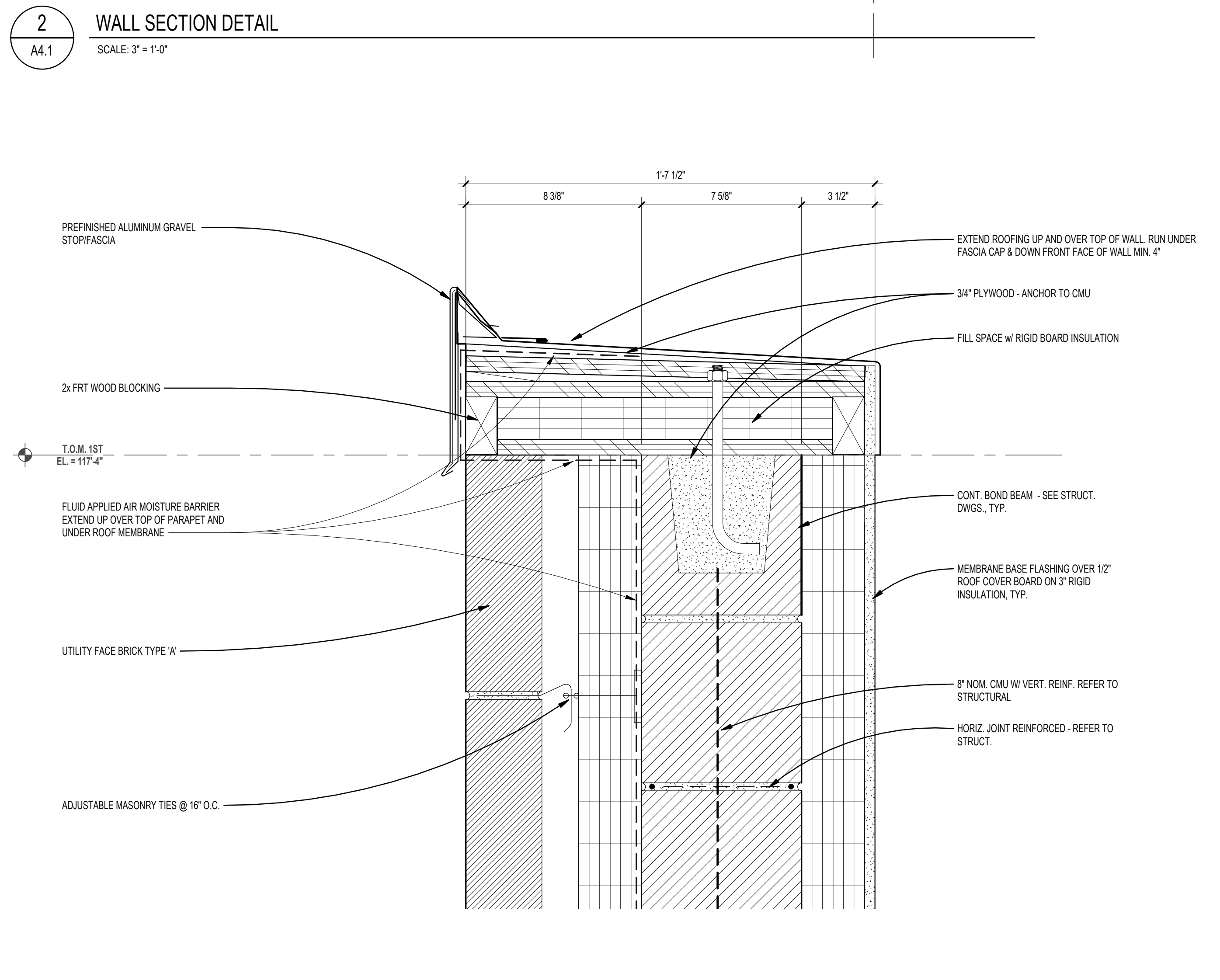
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 A4.1 SCALE: 3" = 1'-0"



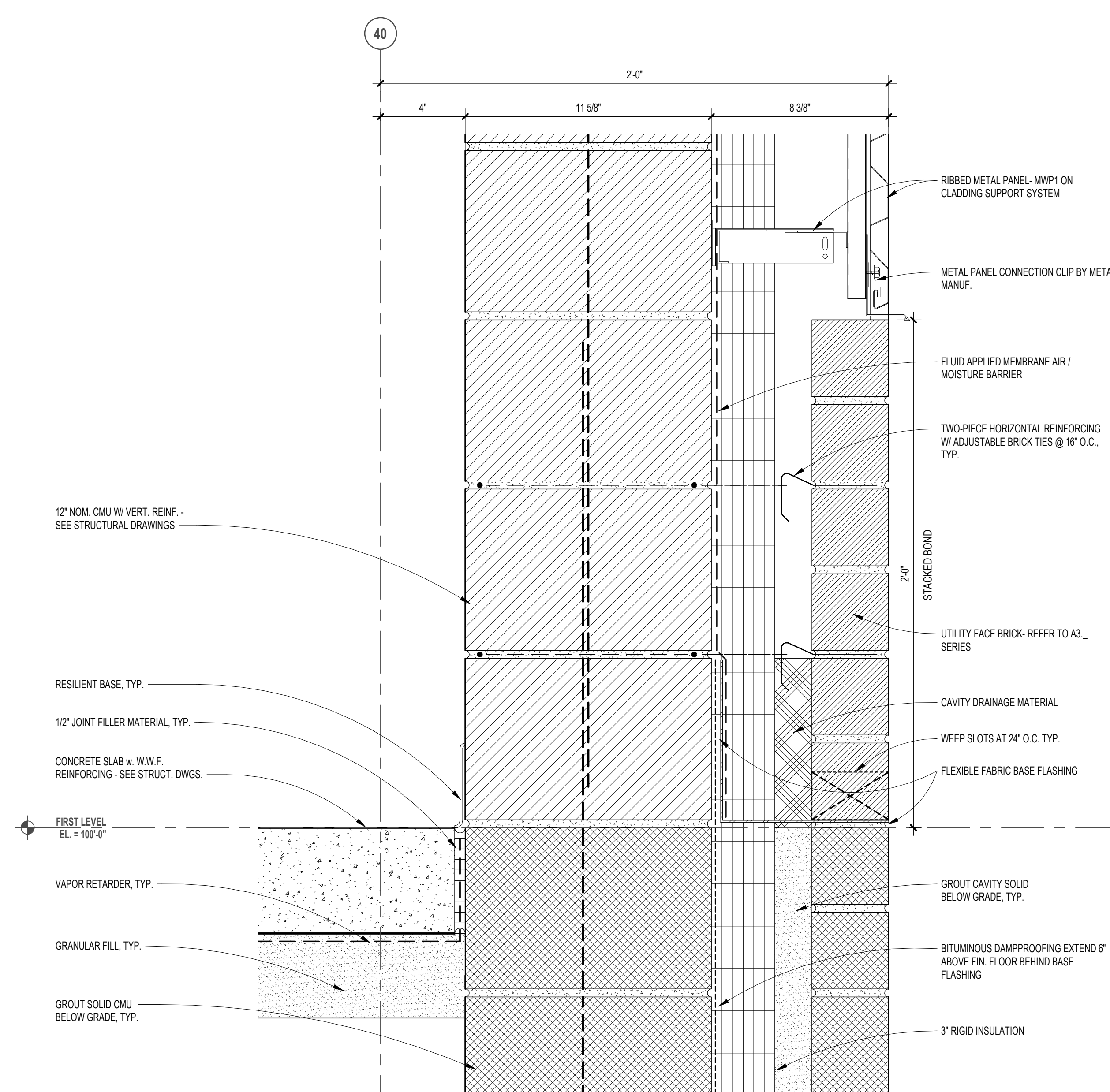
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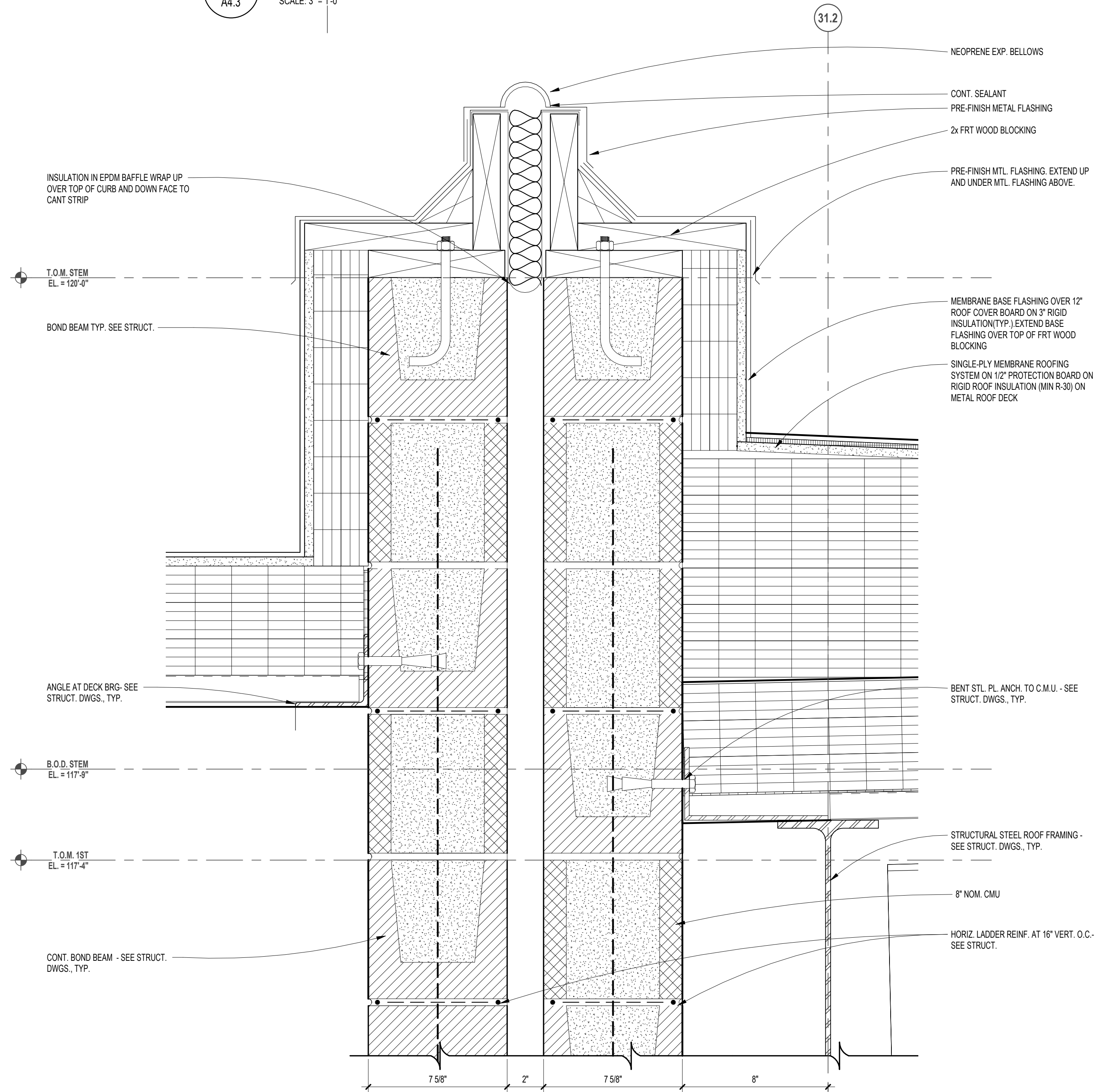
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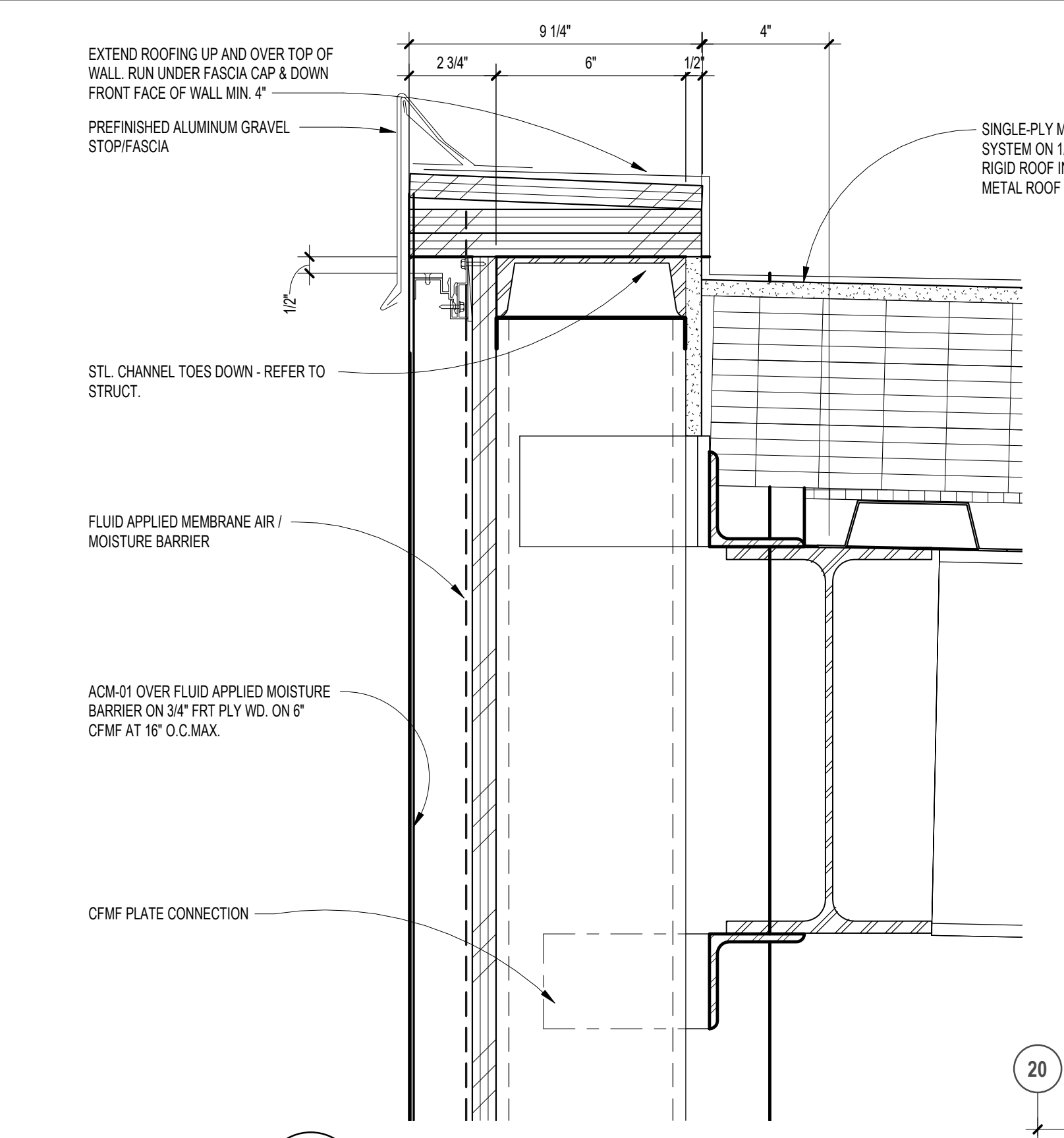
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 A4.1 SCALE: 3" = 1'-0"



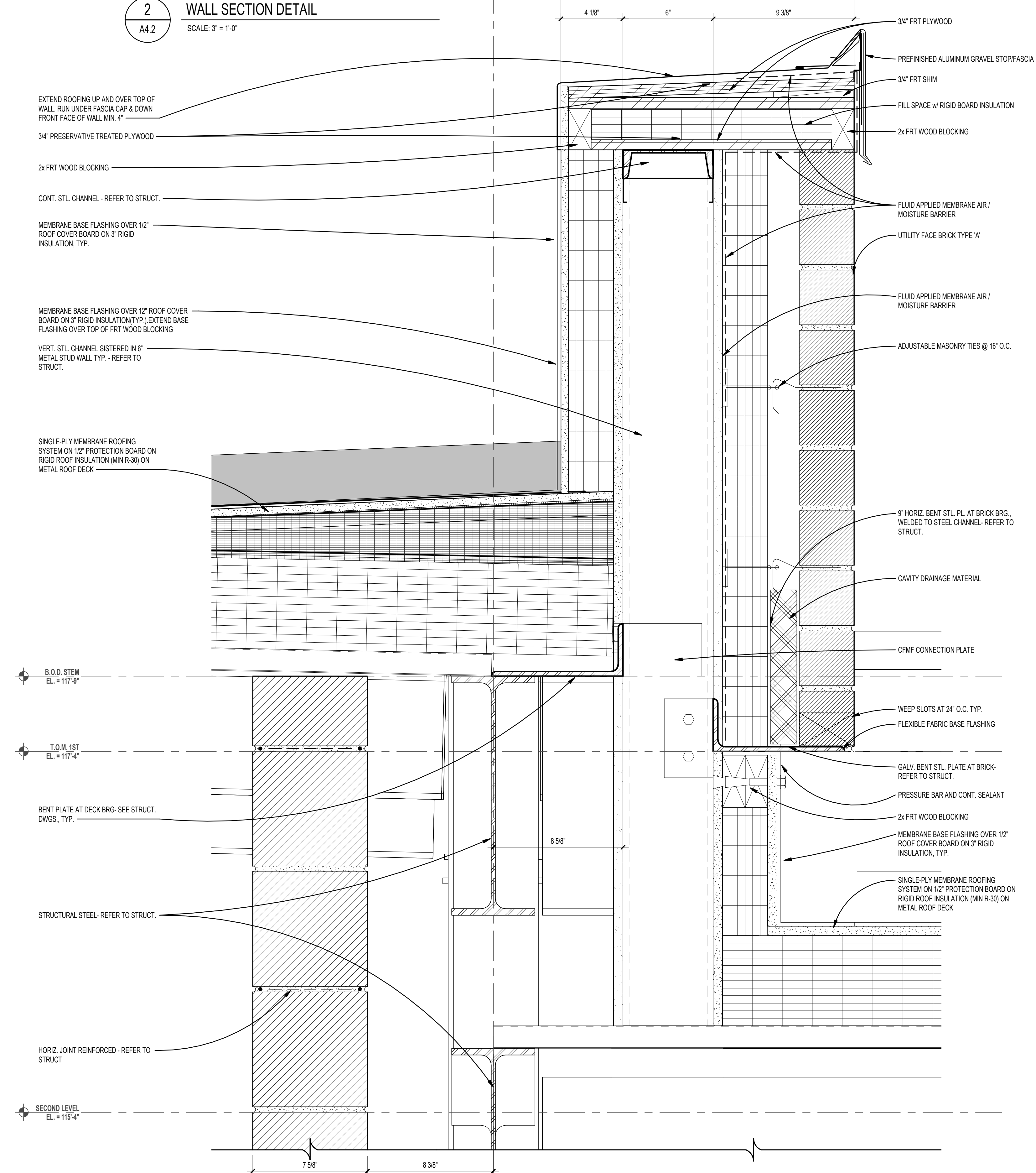
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A4.3  
WALL SECTION DETAIL  
SCALE: 3" = 1'-0"



**3**  
A4.3  
WALL SECTION DETAIL  
SCALE: 3" = 1'-0"



**2**  
A4.2  
WALL SECTION DETAIL  
SCALE: 3" = 1'-0"



**1**  
A4.3  
WALL SECTION DETAIL  
SCALE: 3" = 1'-0"

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Wall Section Details**

ISSUE DATES

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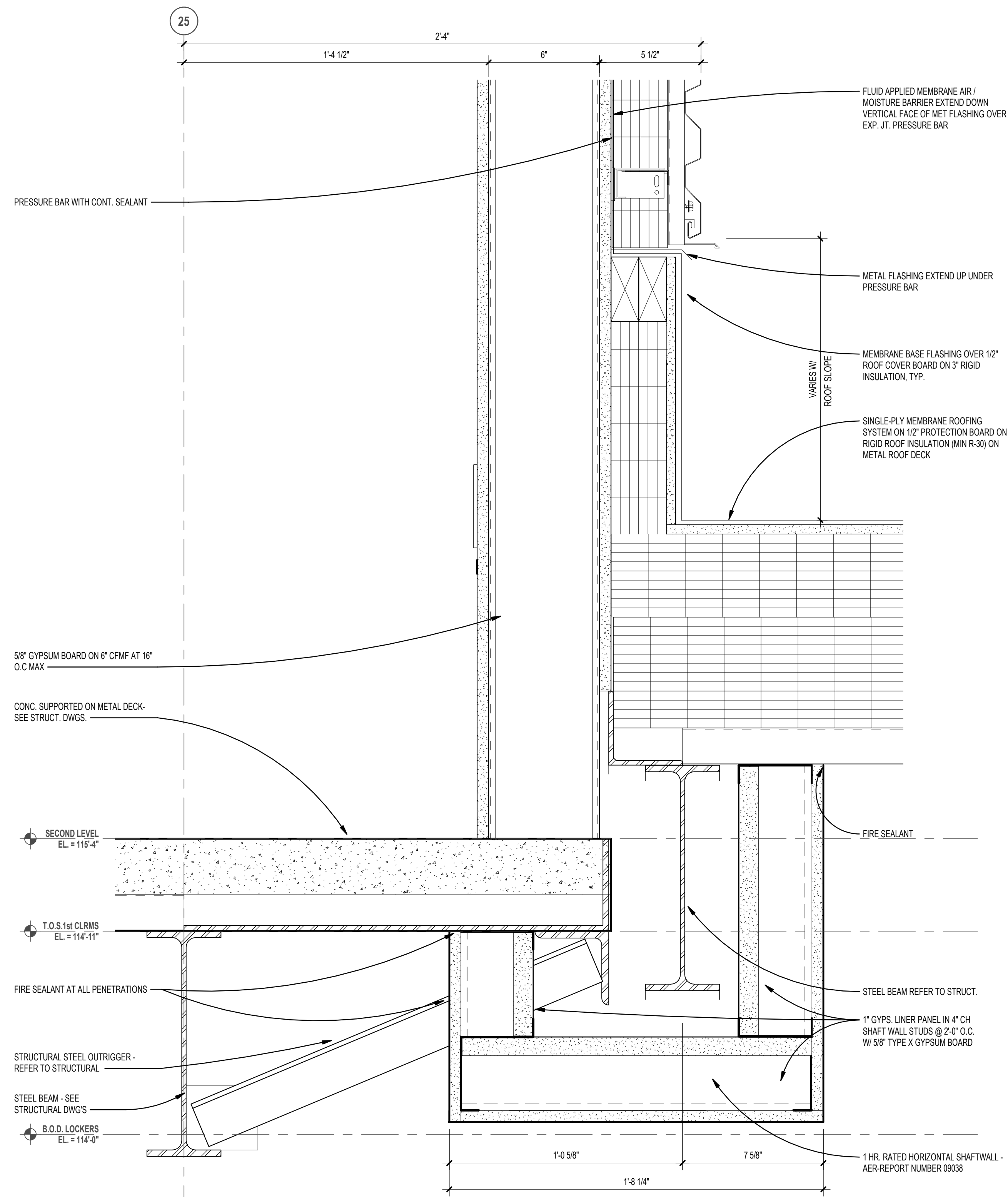
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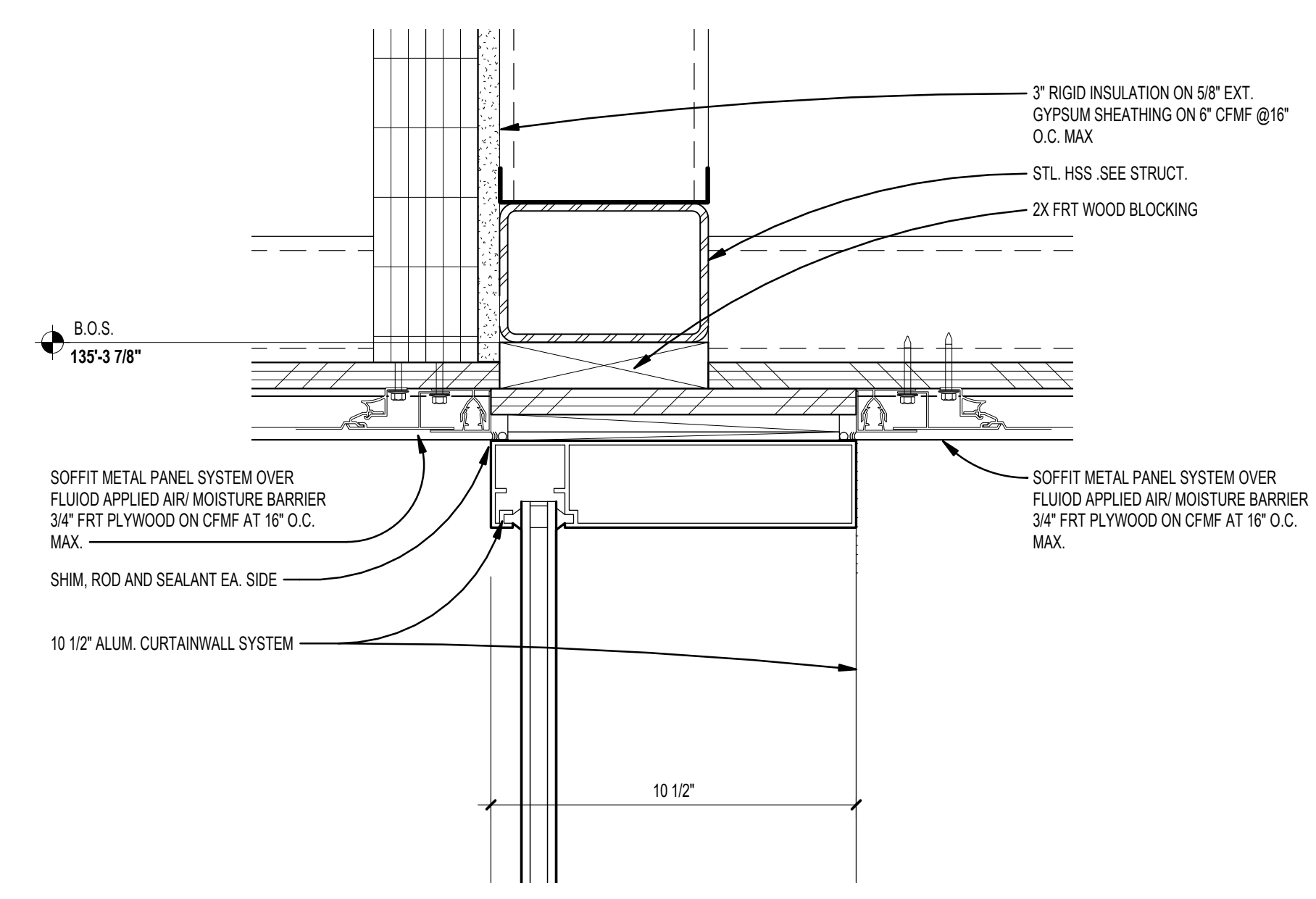
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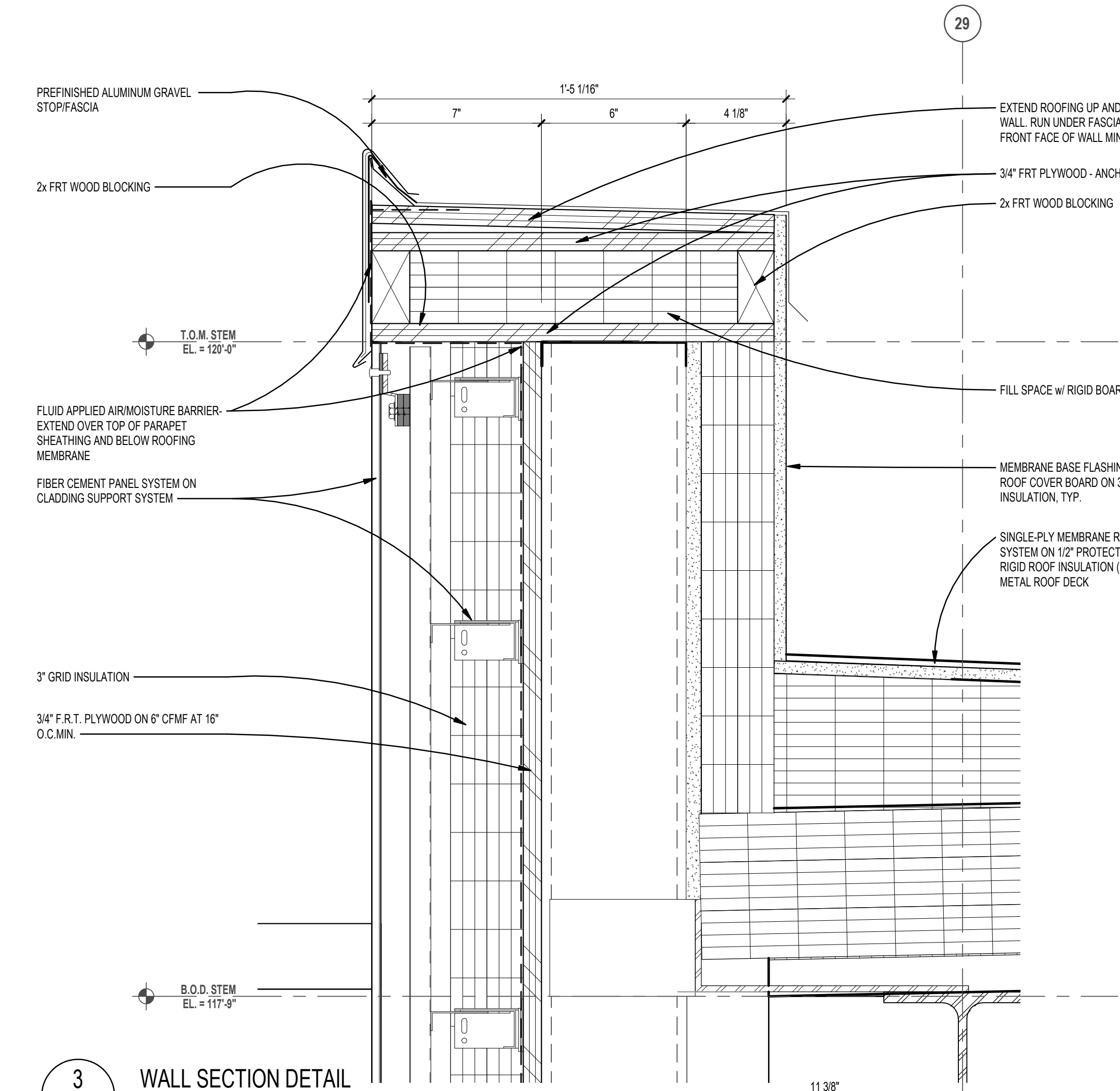
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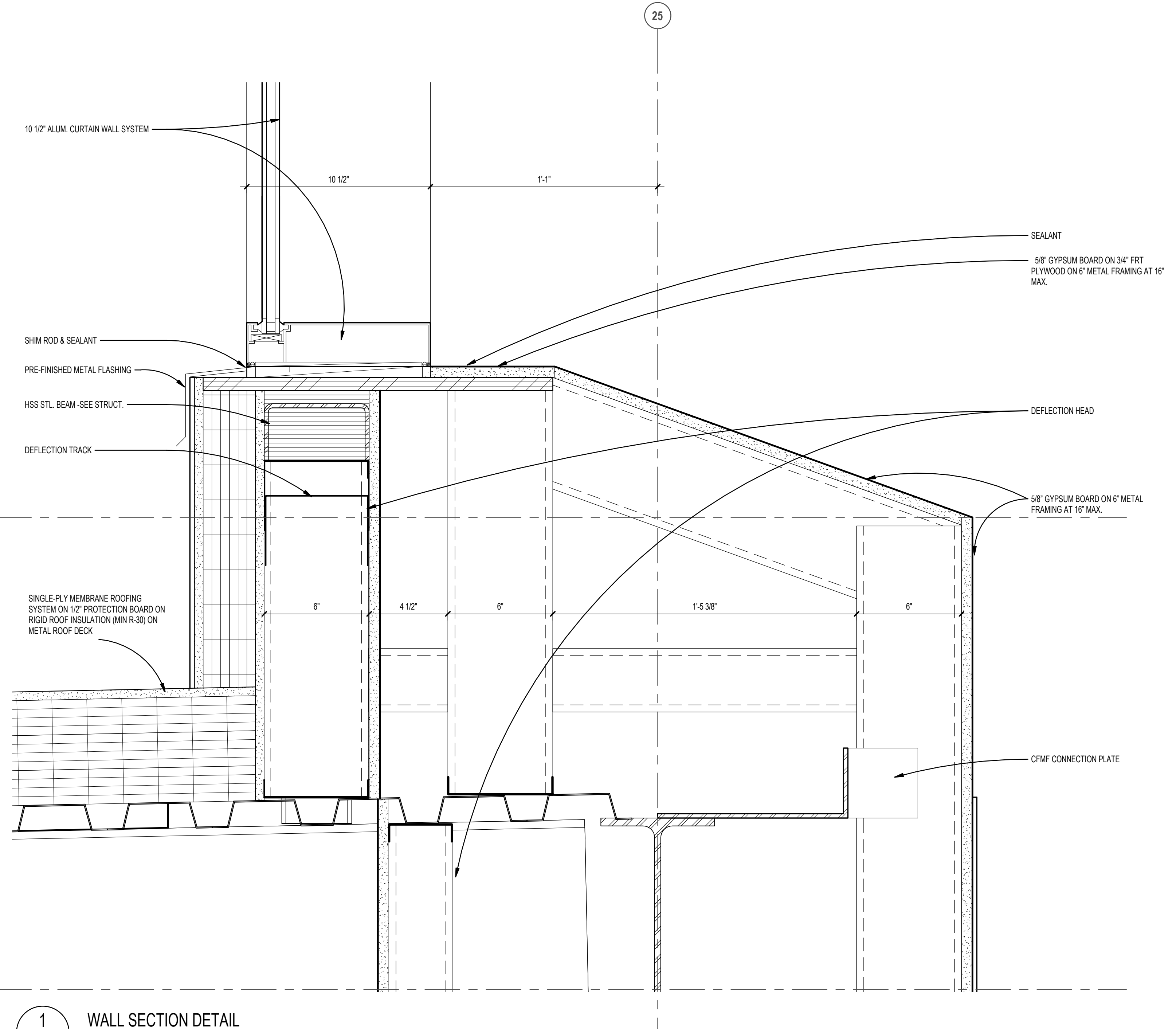
**4** WALL SECTION DETAIL  
 A4.6 SCALE: 3" = 1'-0"



**2** WALL SECTION DETAIL  
 A4.4 SCALE: 3" = 1'-0"



**3** WALL SECTION DETAIL  
 A4.5 SCALE: 3" = 1'-0"



**1** WALL SECTION DETAIL  
 A4.4 SCALE: 3" = 1'-0"

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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
 MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Wall Section Details**

ISSUE DATES

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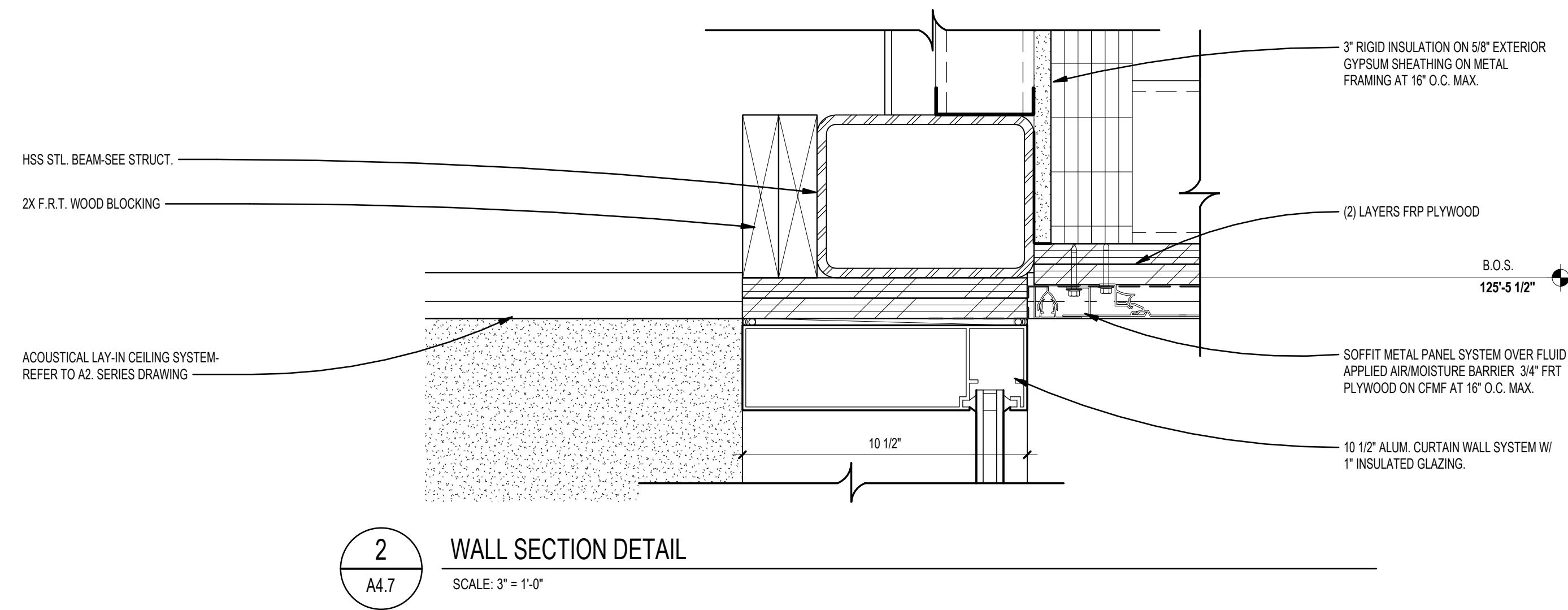
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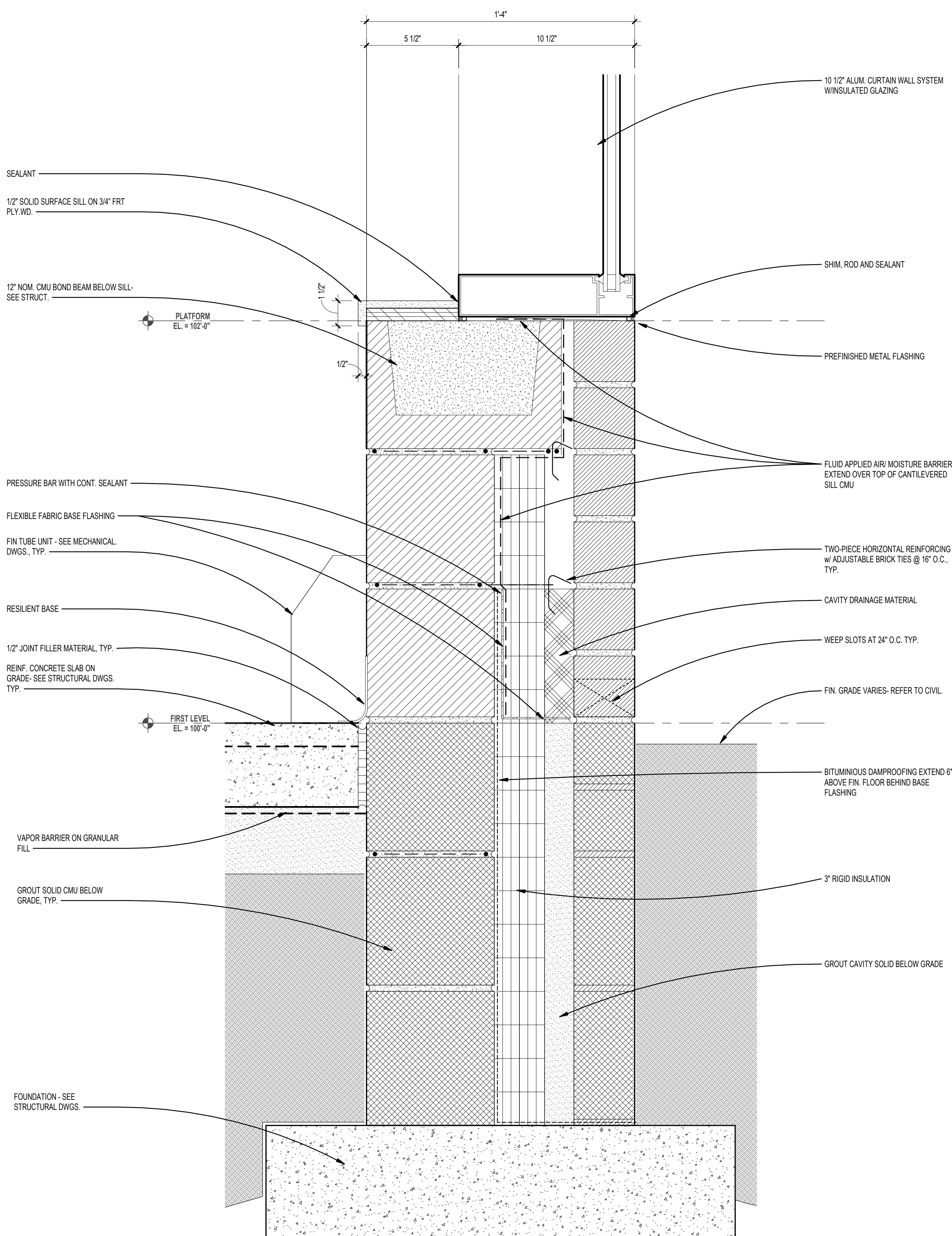
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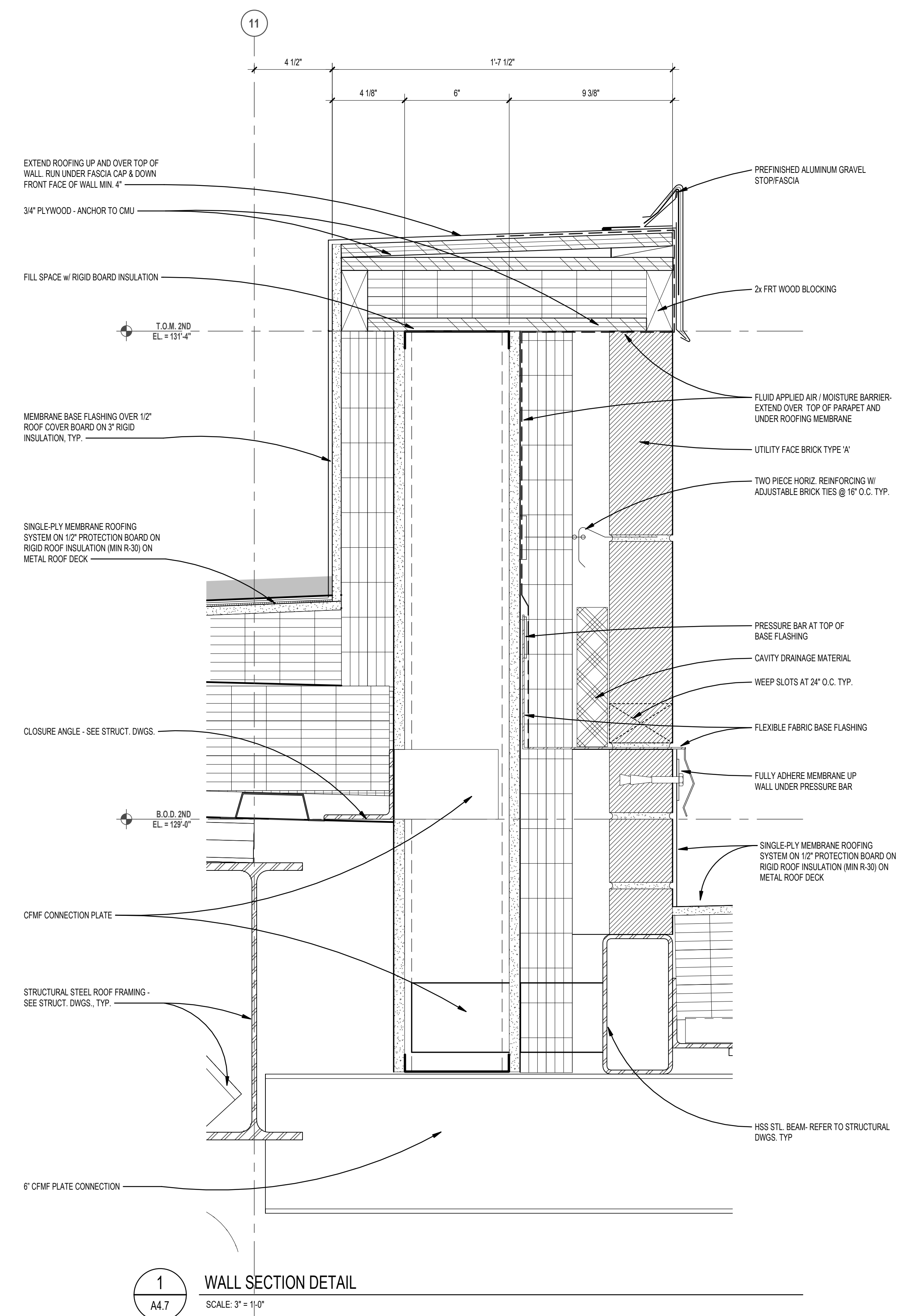
**A4.23**



**2**  
 A4.7  
**WALL SECTION DETAIL**  
 SCALE: 3" = 1'-0"



**3**  
 A4.7  
**WALL SECTION DETAIL**  
 SCALE: 3" = 1'-0"



**1**  
 A4.7  
**WALL SECTION DETAIL**  
 SCALE: 3" = 1'-0"





TMP ARCHITECTURE INC  
 1191 WEST SQUARE LAKE ROAD  
 BLOOMFIELD HILLS, MICHIGAN 48302  
 PH: 248.338.4561 FX: 248.338.0223  
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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
 MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
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ISSUE DATES


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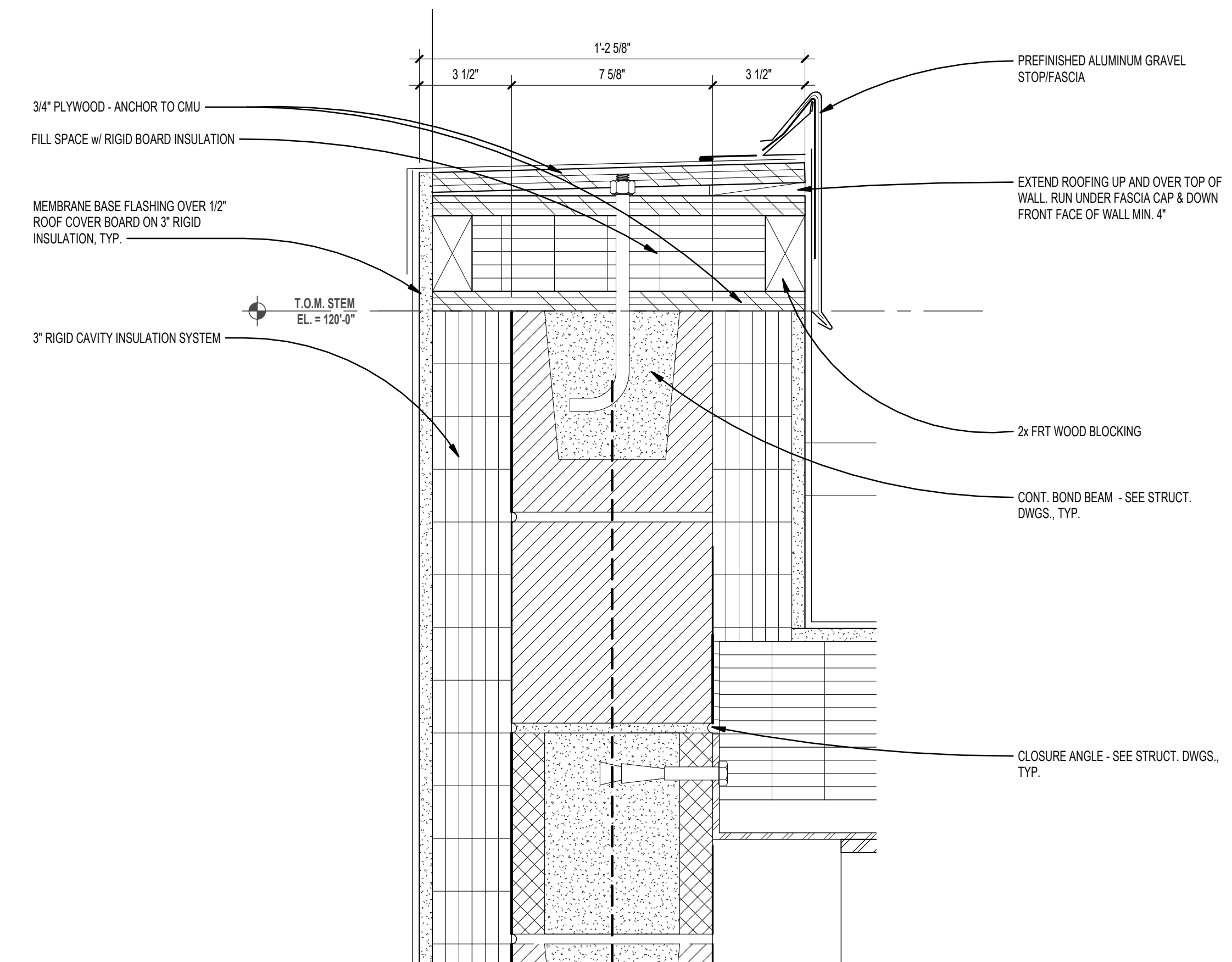
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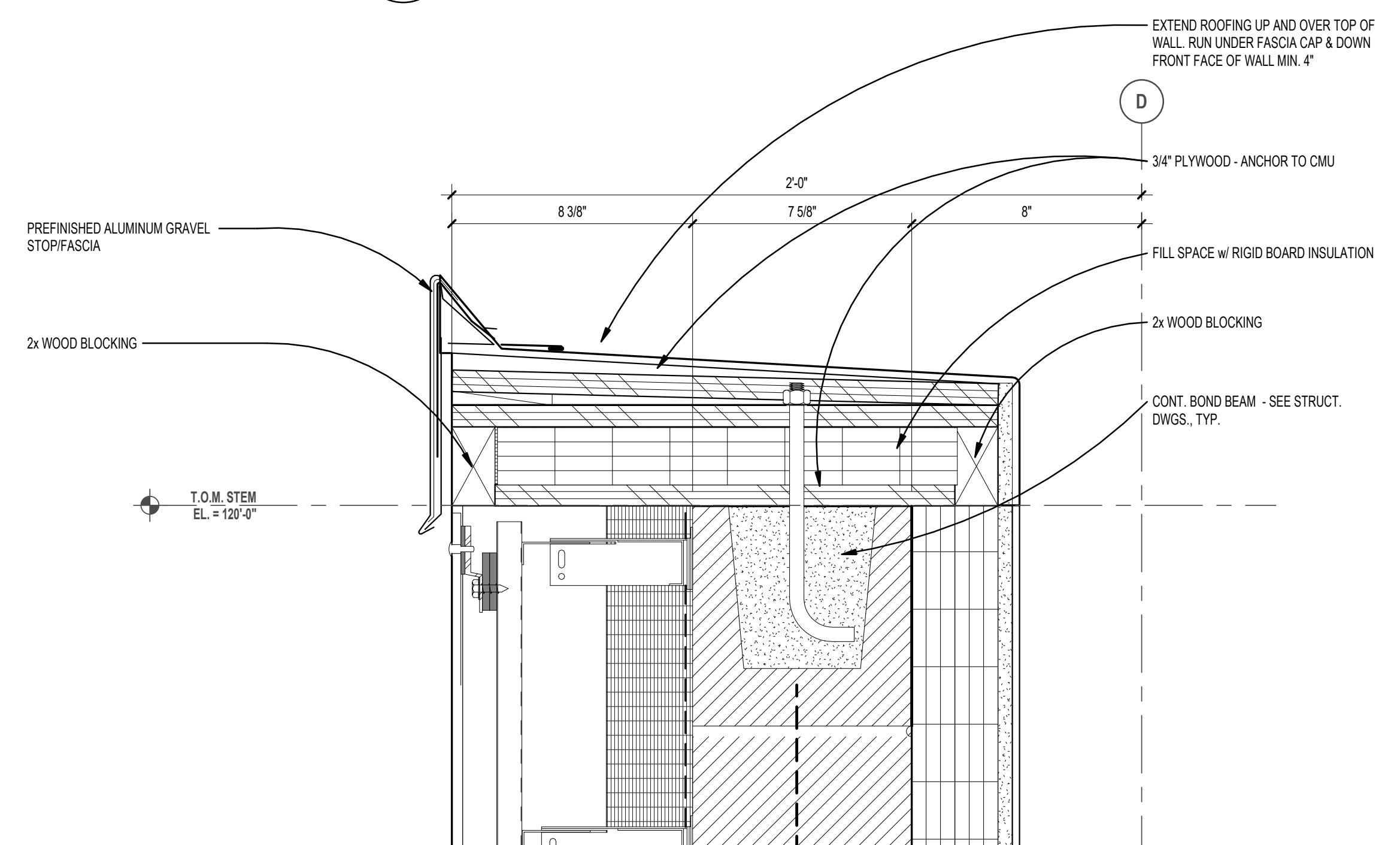
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PROJECT NO.  
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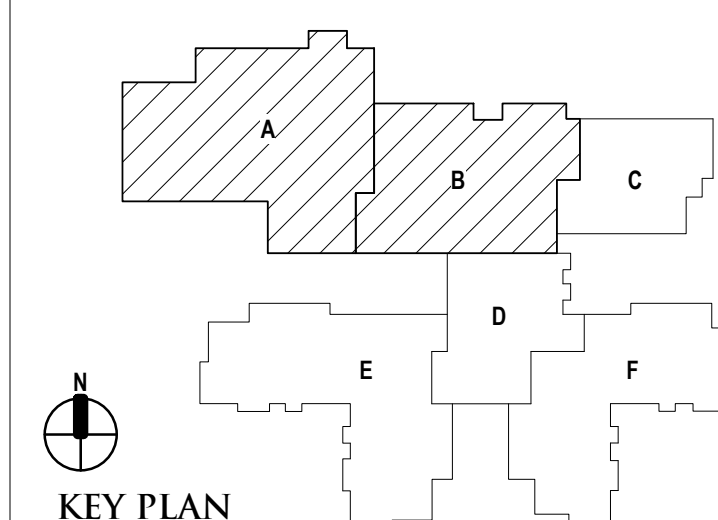
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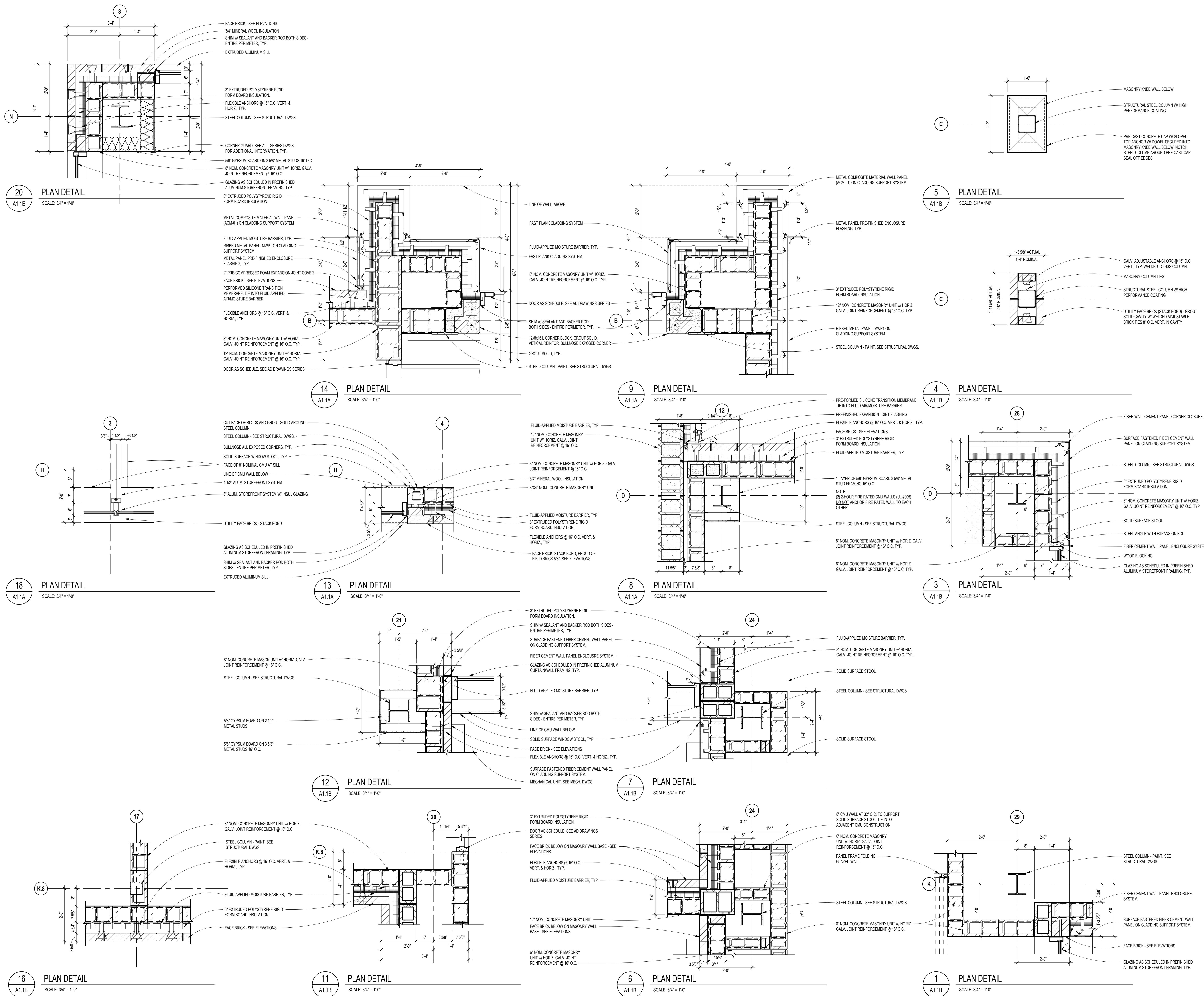
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 A4.11 SCALE: 3" = 1'-0"



**1** WALL SECTION DETAIL  
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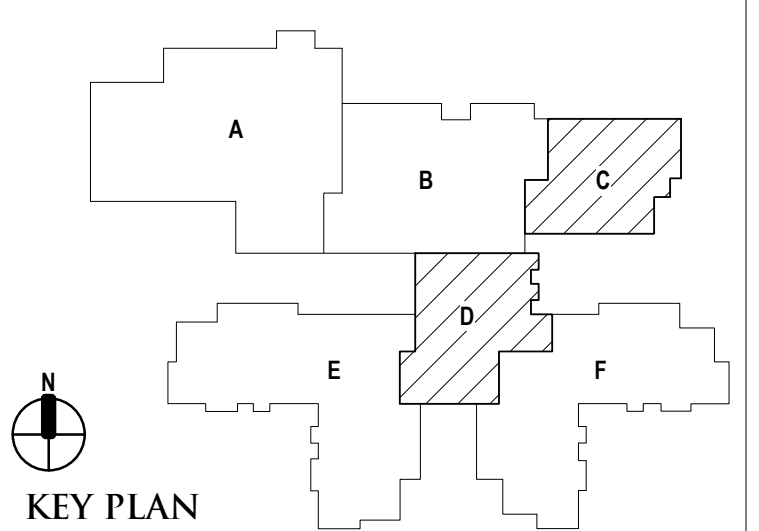
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PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE

Plan Details



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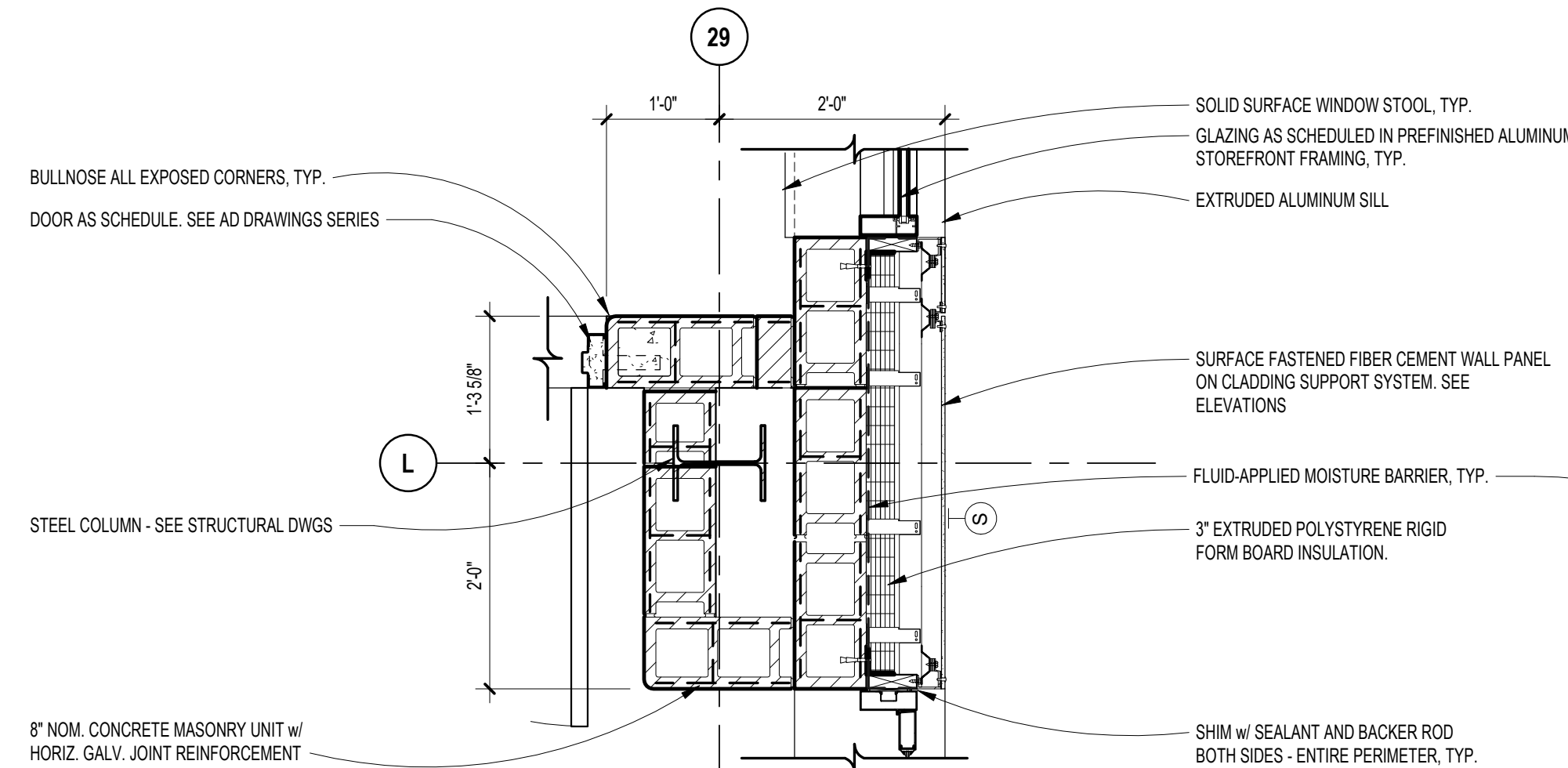
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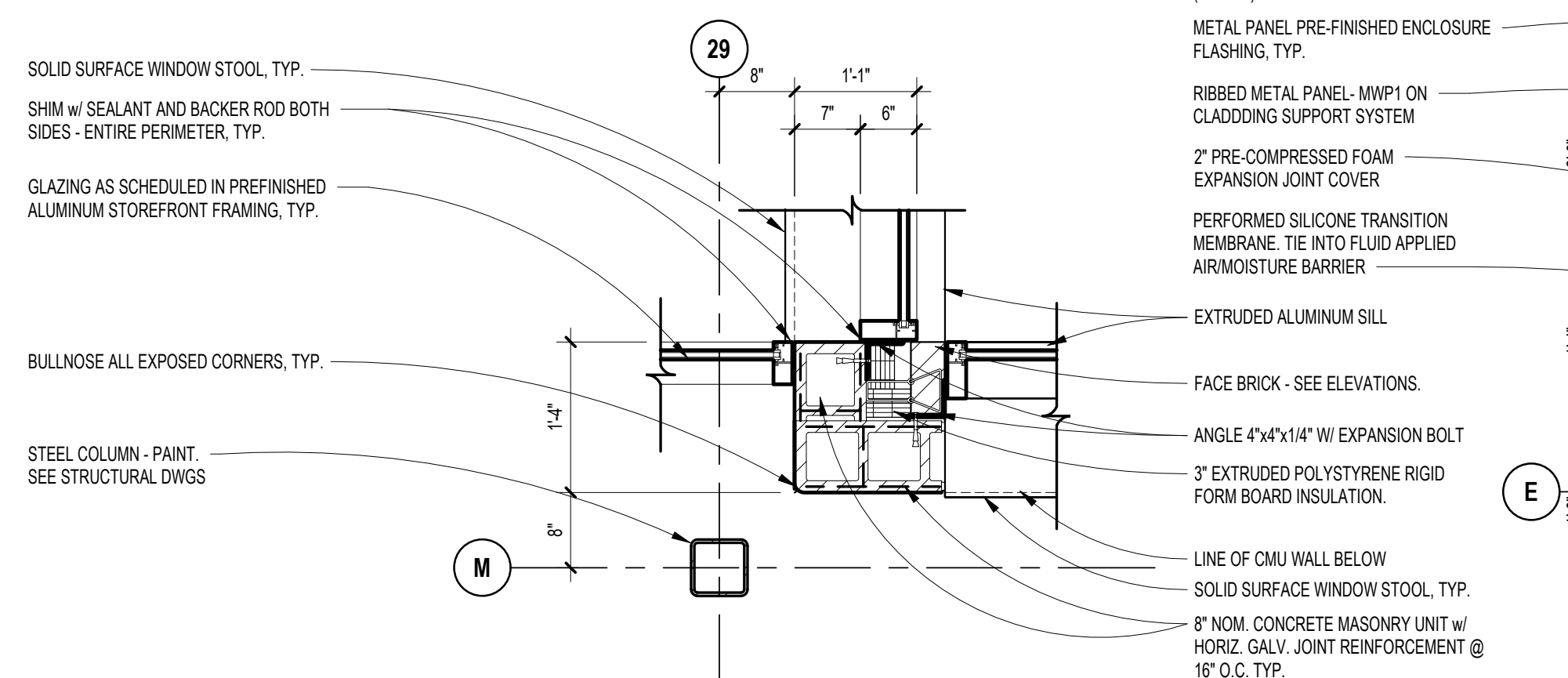
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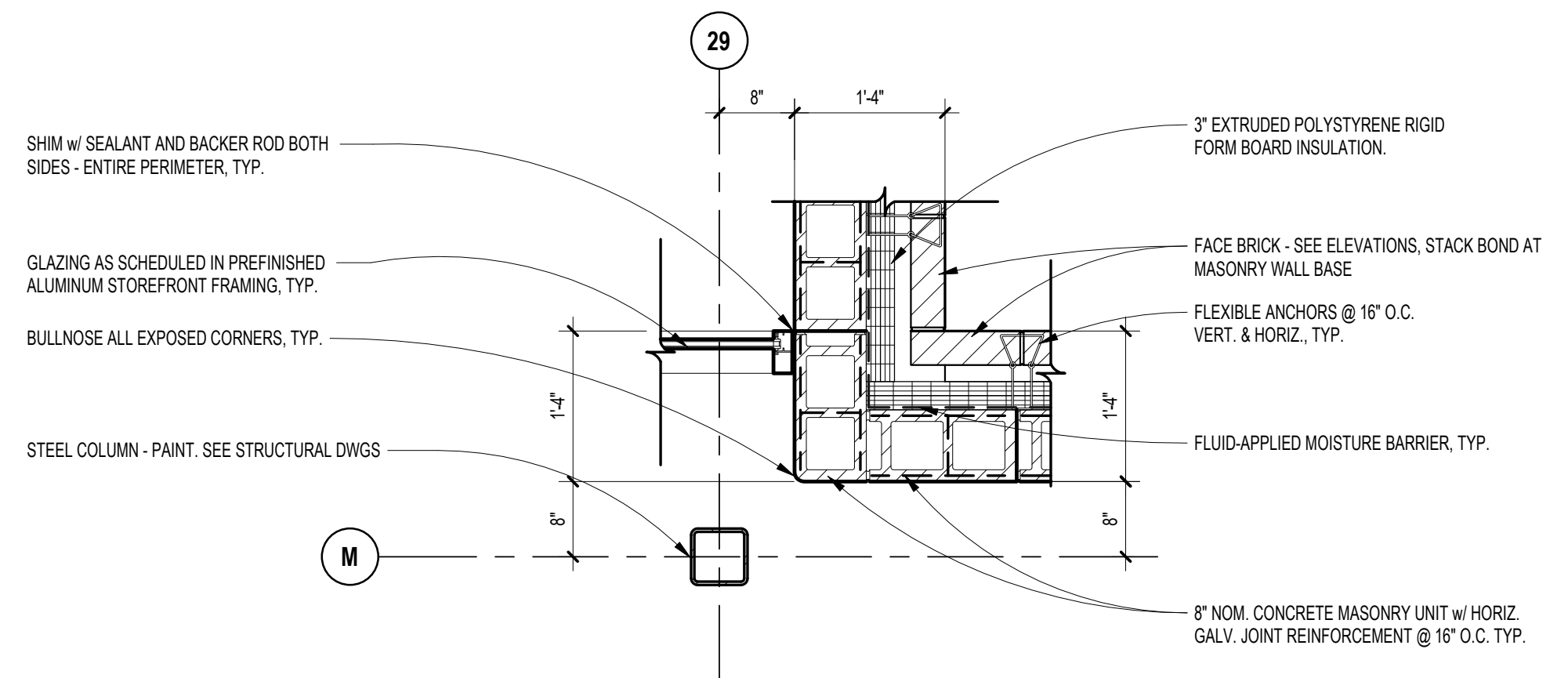
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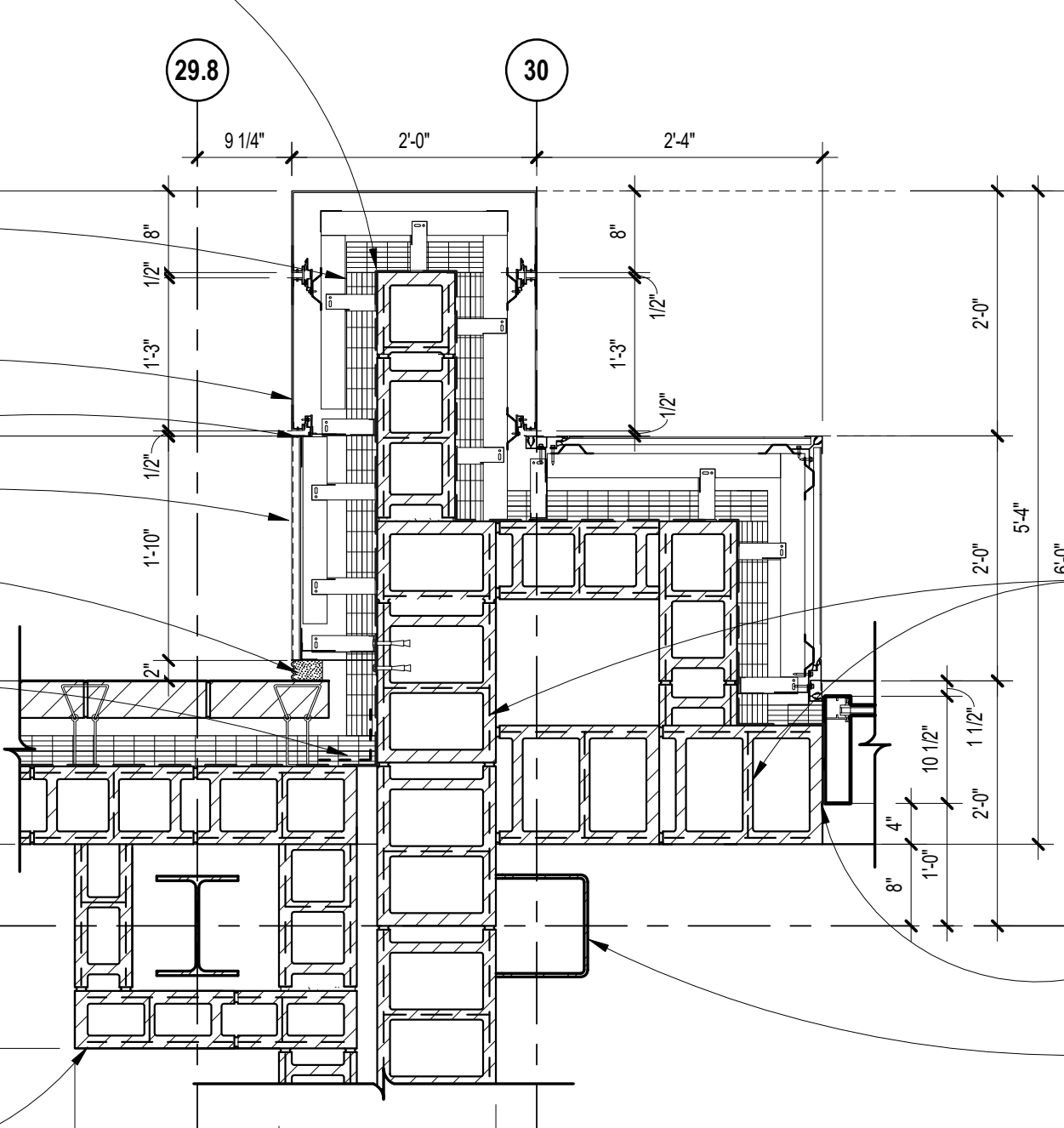
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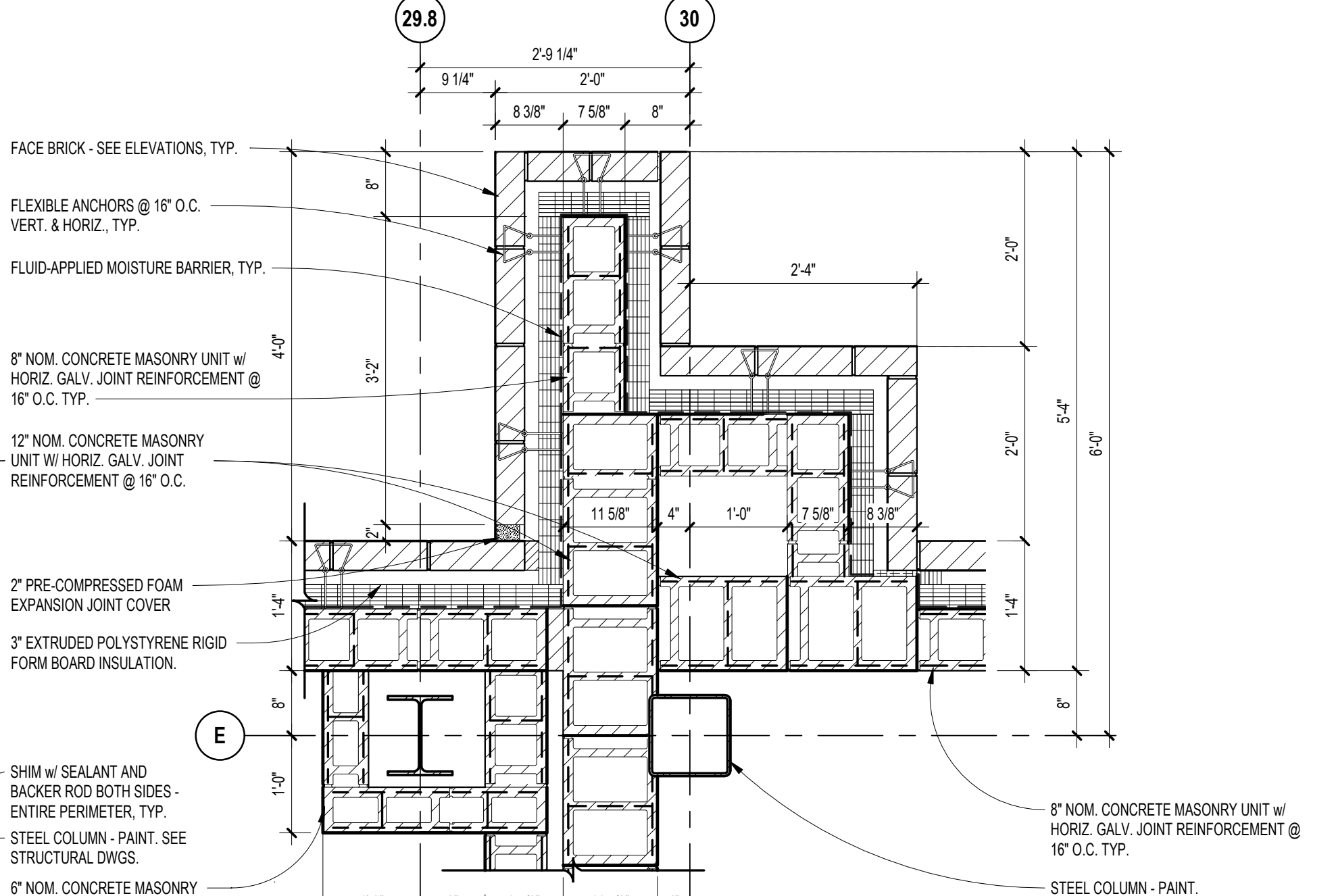
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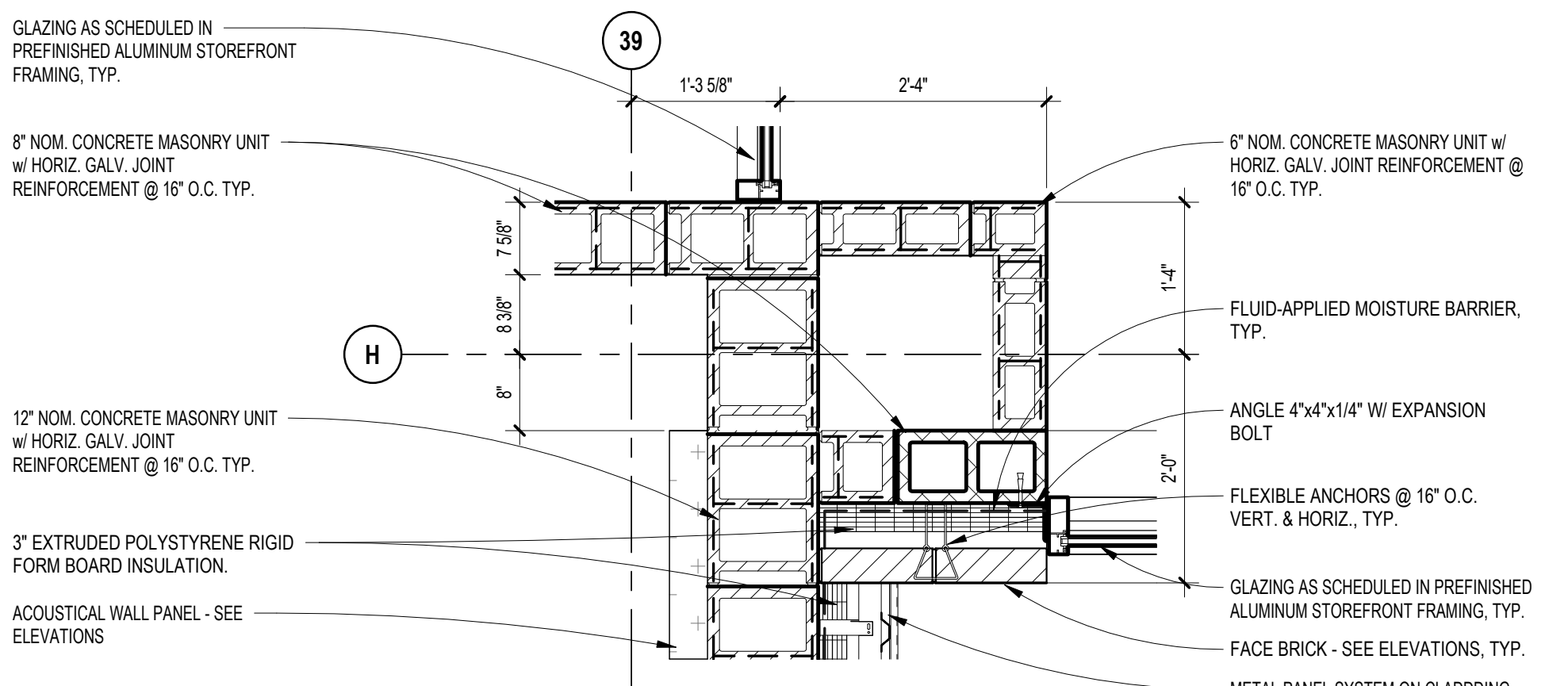
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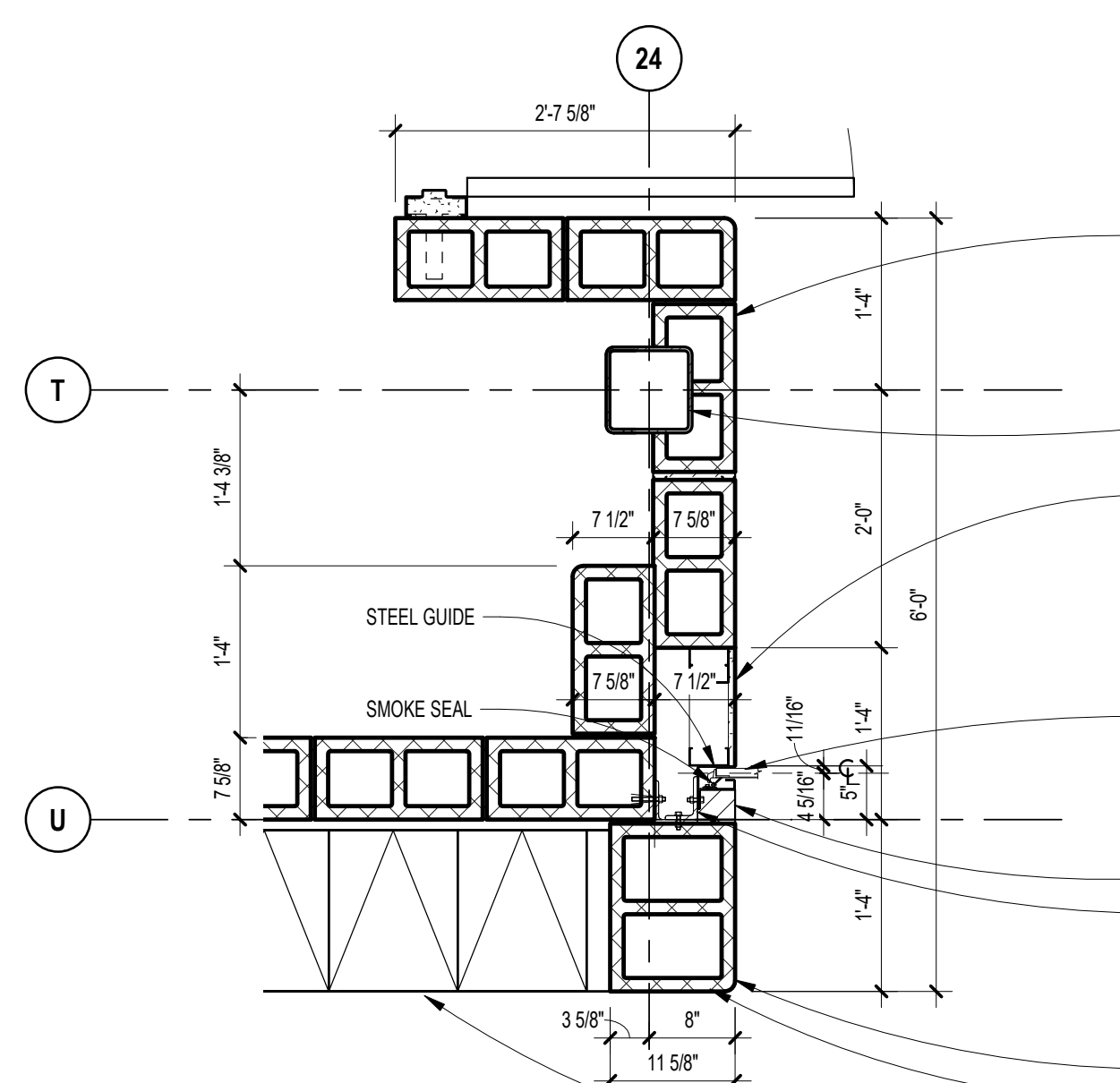
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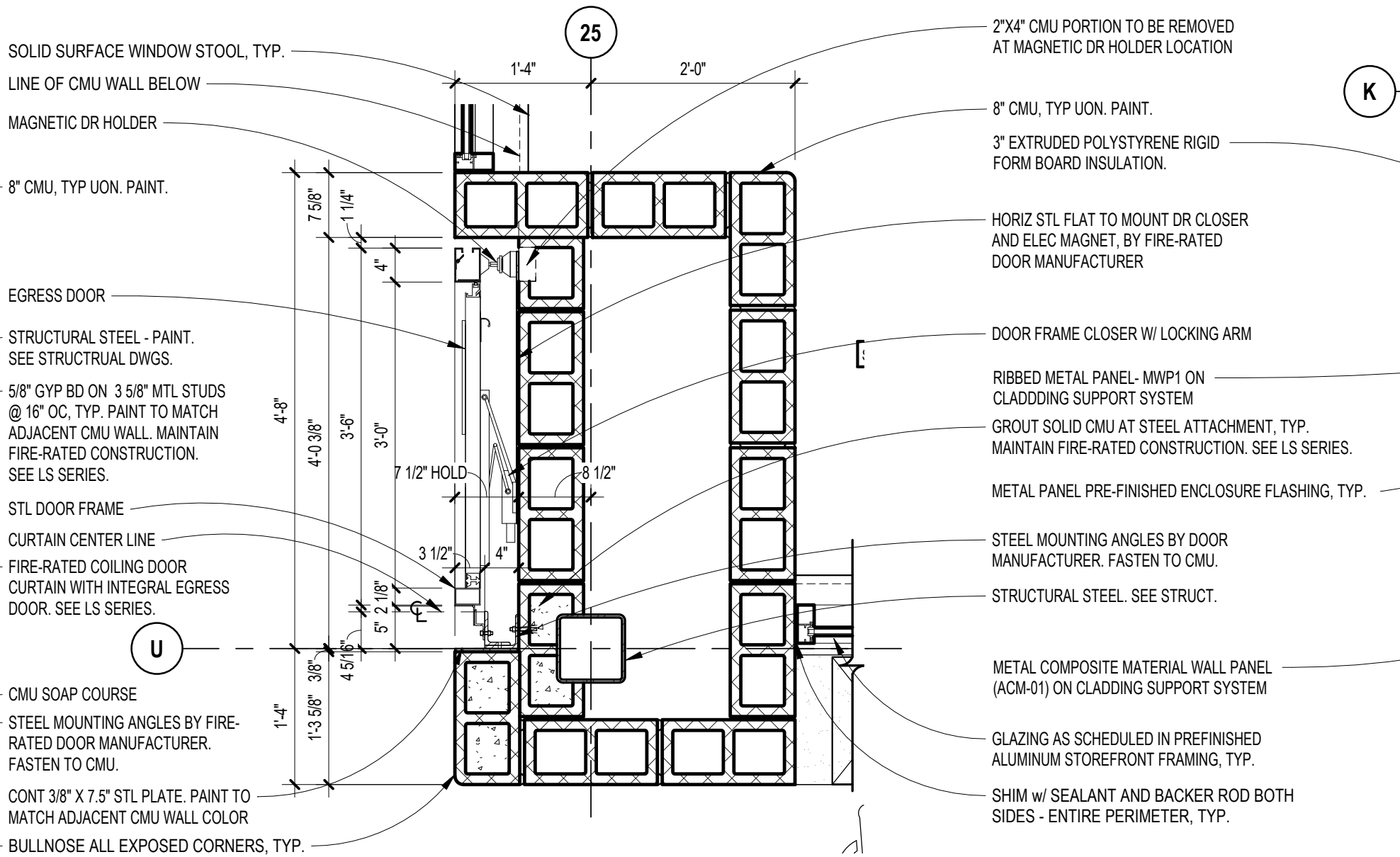
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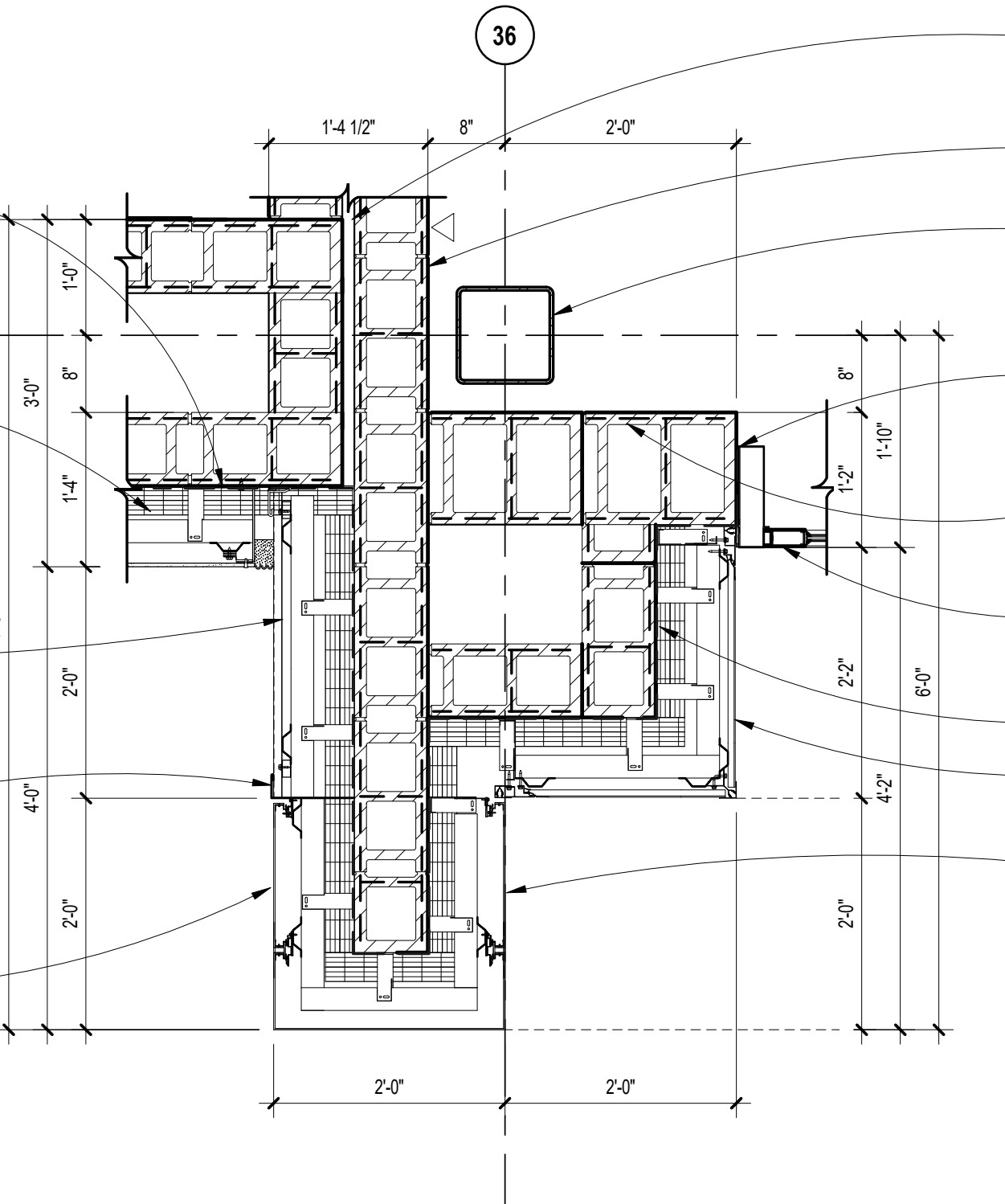
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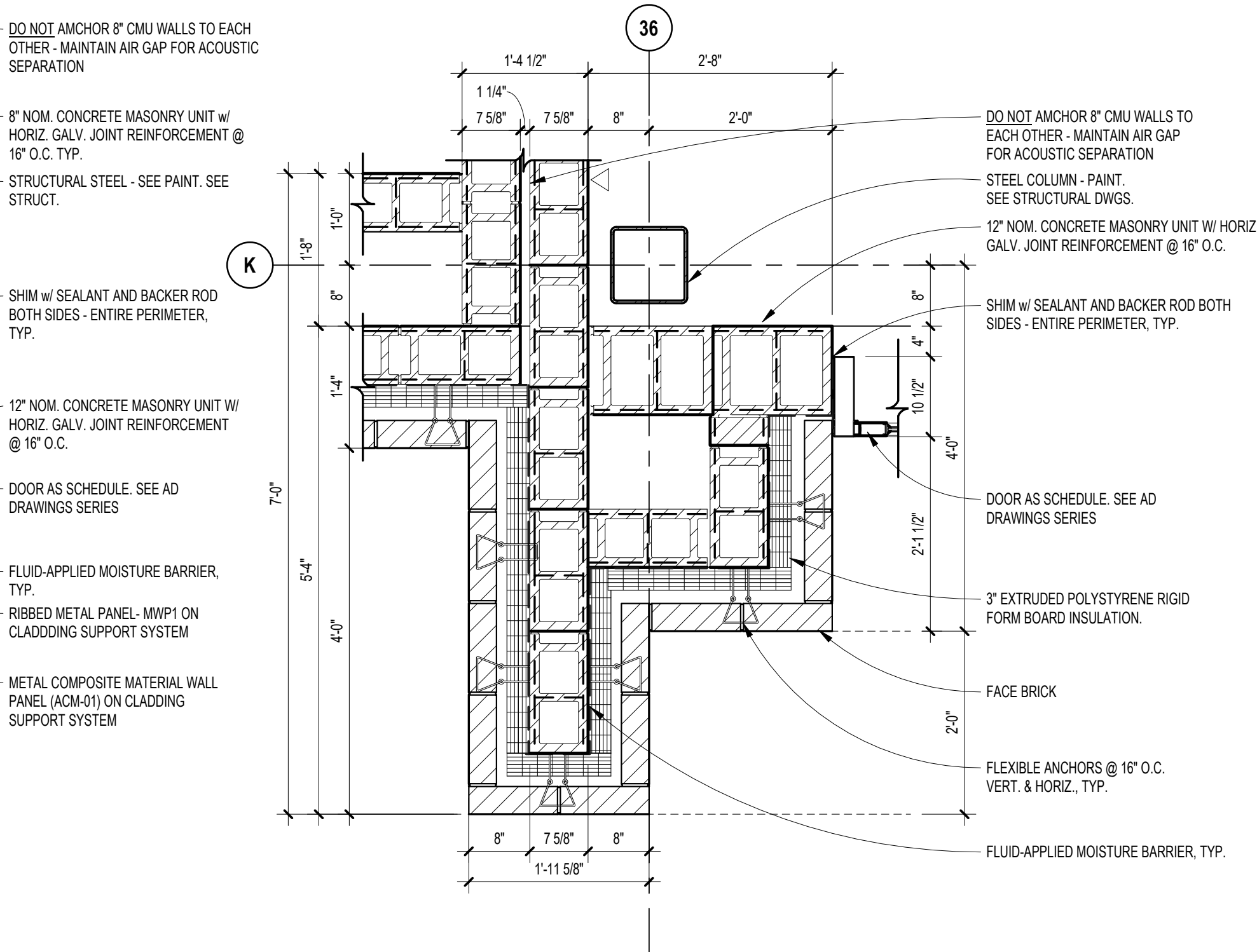
2 PLAN DETAIL  
A6.3 SCALE: 3/4" = 1'-0"



11 PLAN DETAIL  
A1.1A SCALE: 3/4" = 1'-0"



6 PLAN DETAIL  
A1.1C SCALE: 3/4" = 1'-0"



1 PLAN DETAIL  
A1.1C SCALE: 3/4" = 1'-0"

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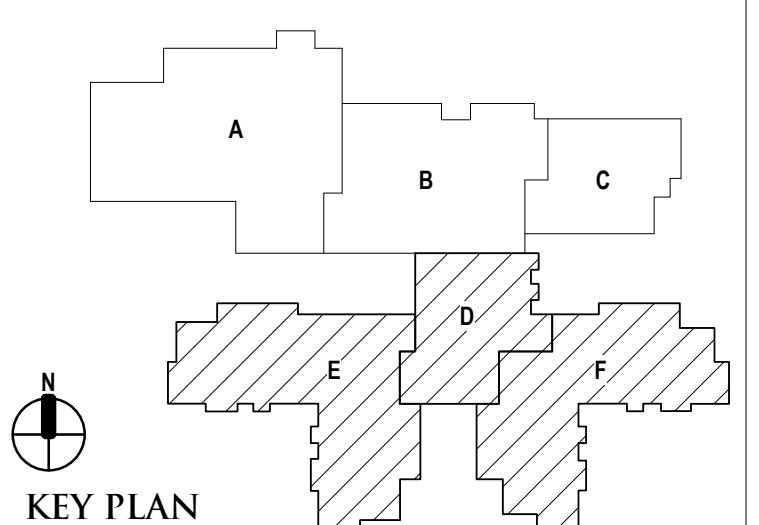
CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE

Plan Details



ISSUE DATES

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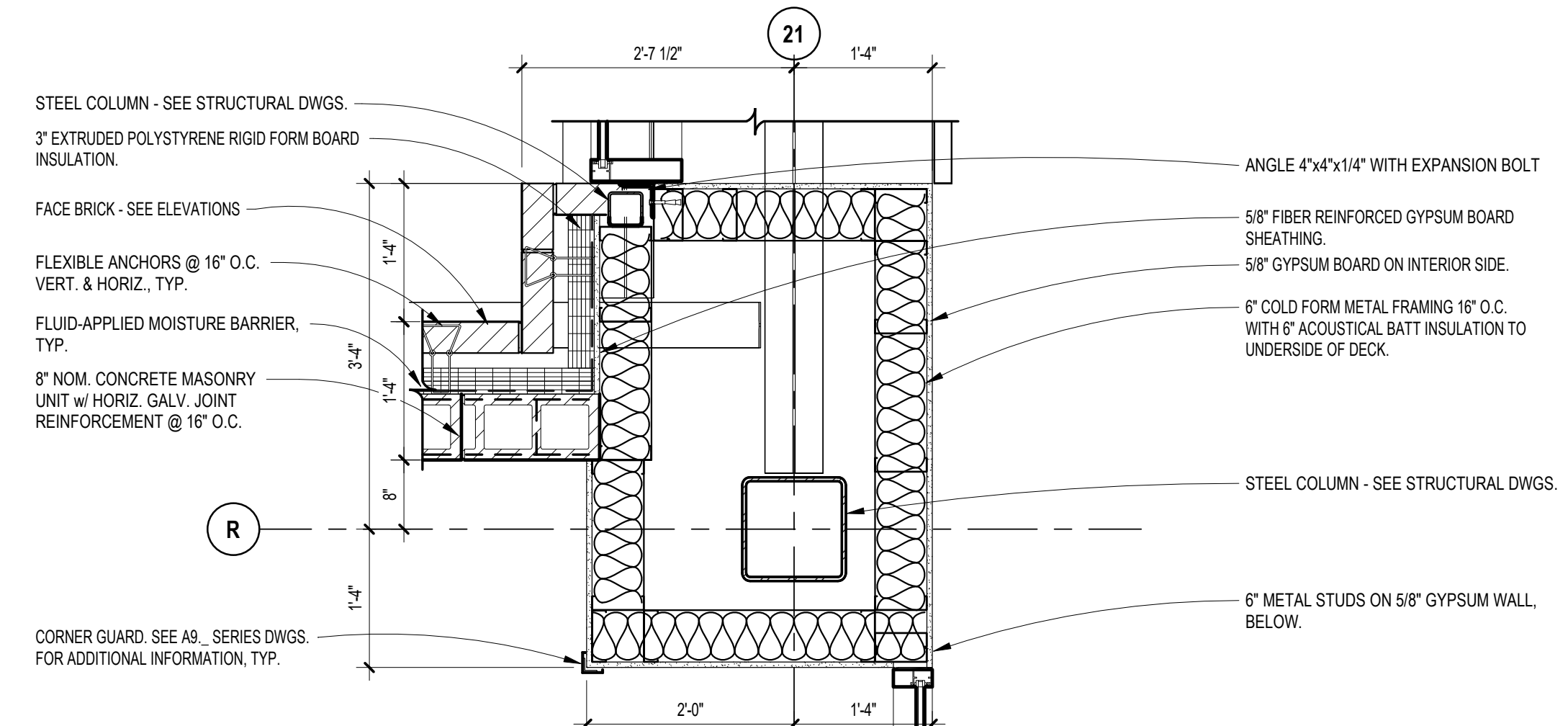
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PROJECT NO.

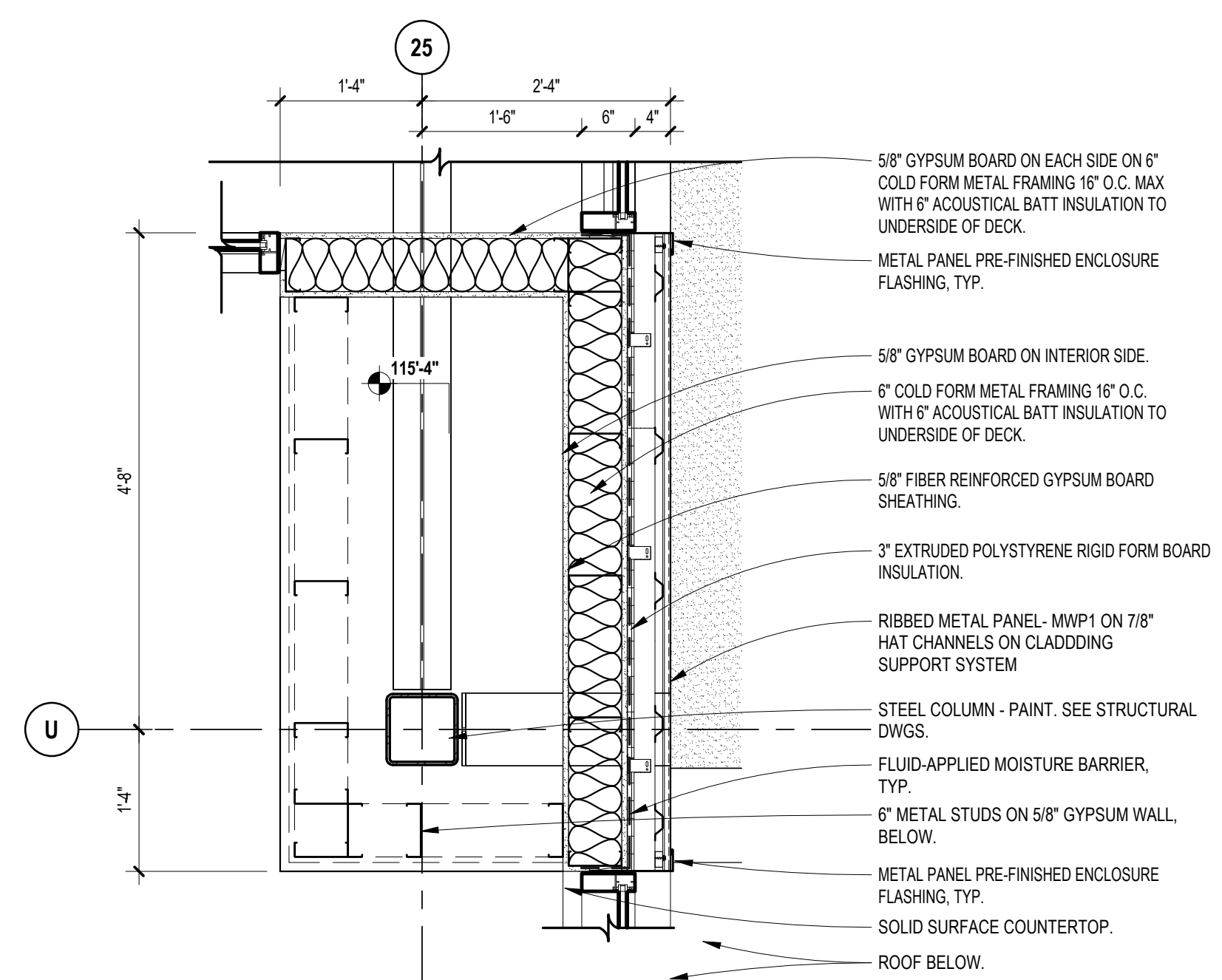
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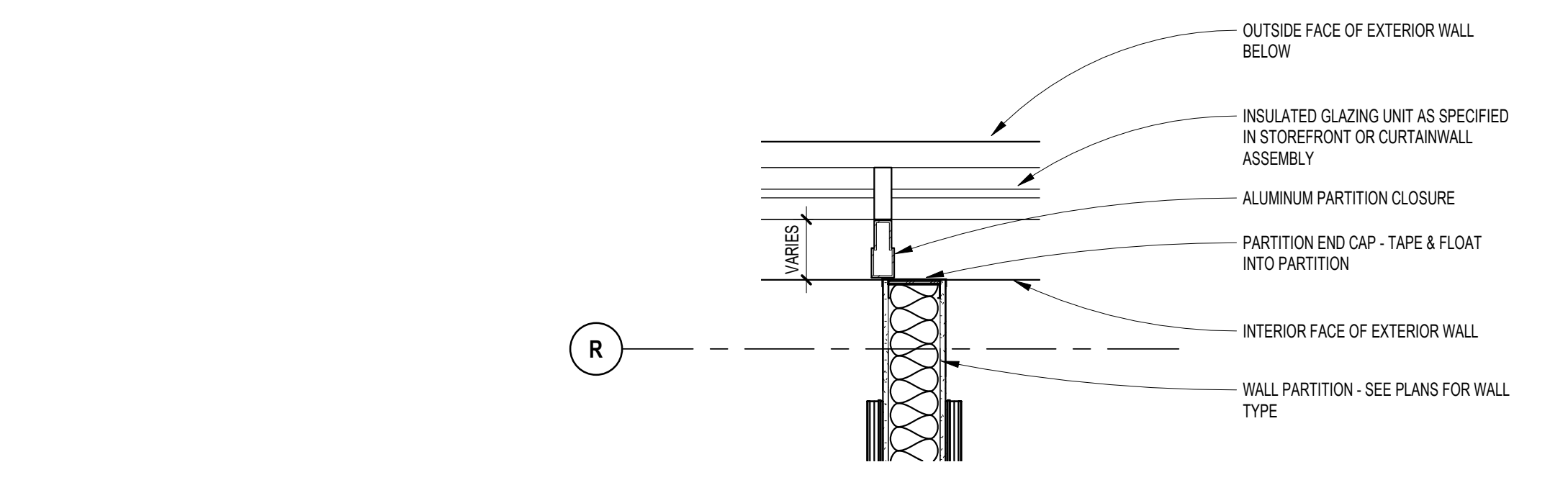
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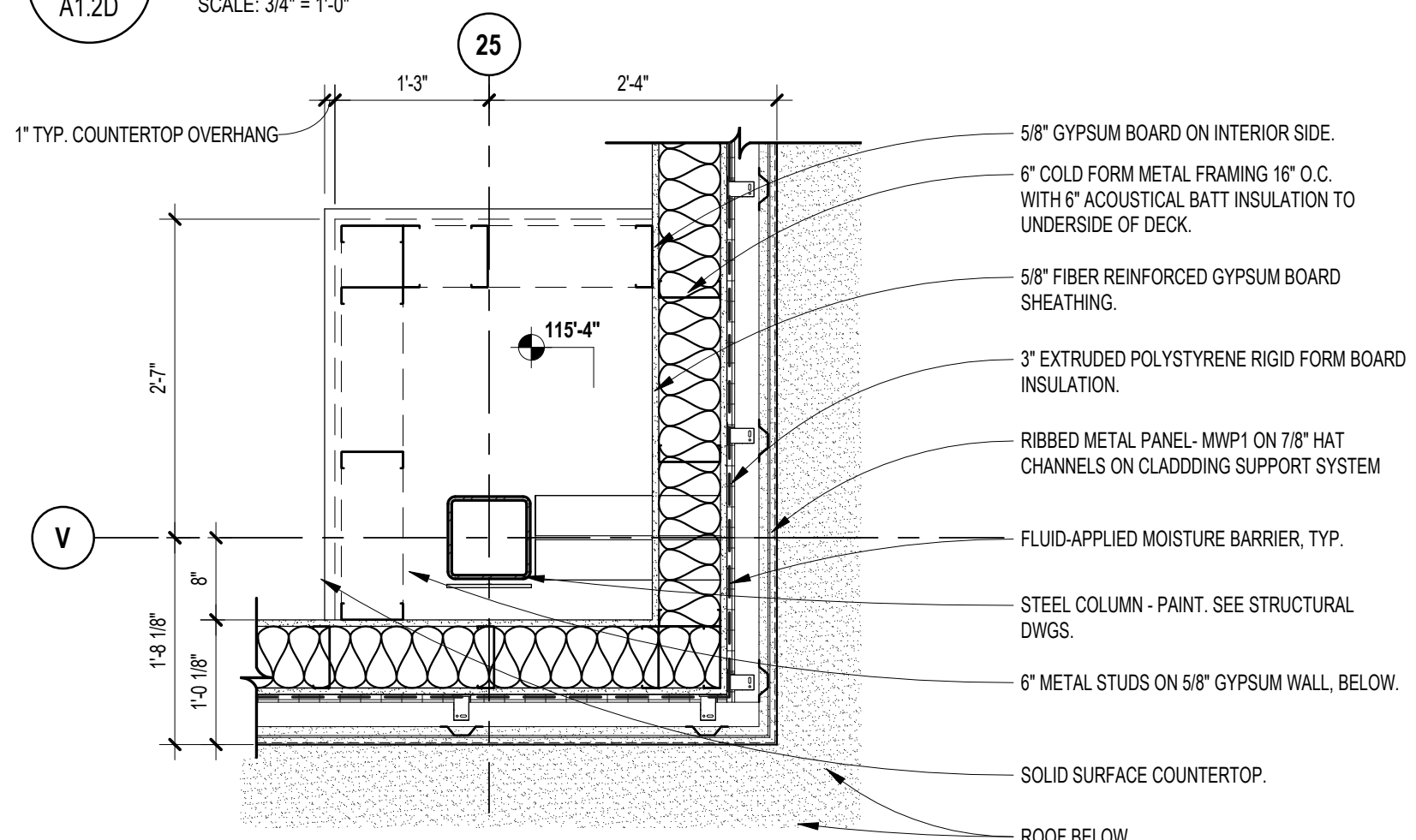
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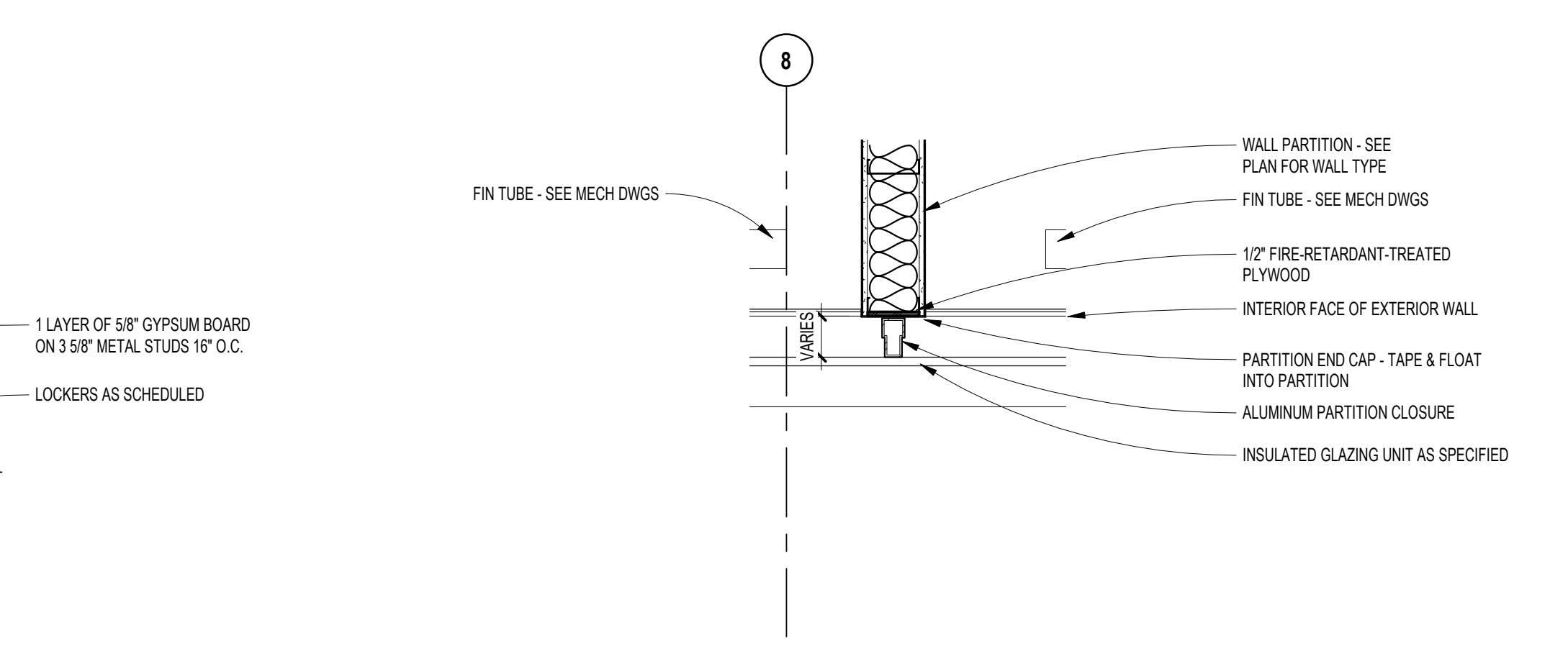
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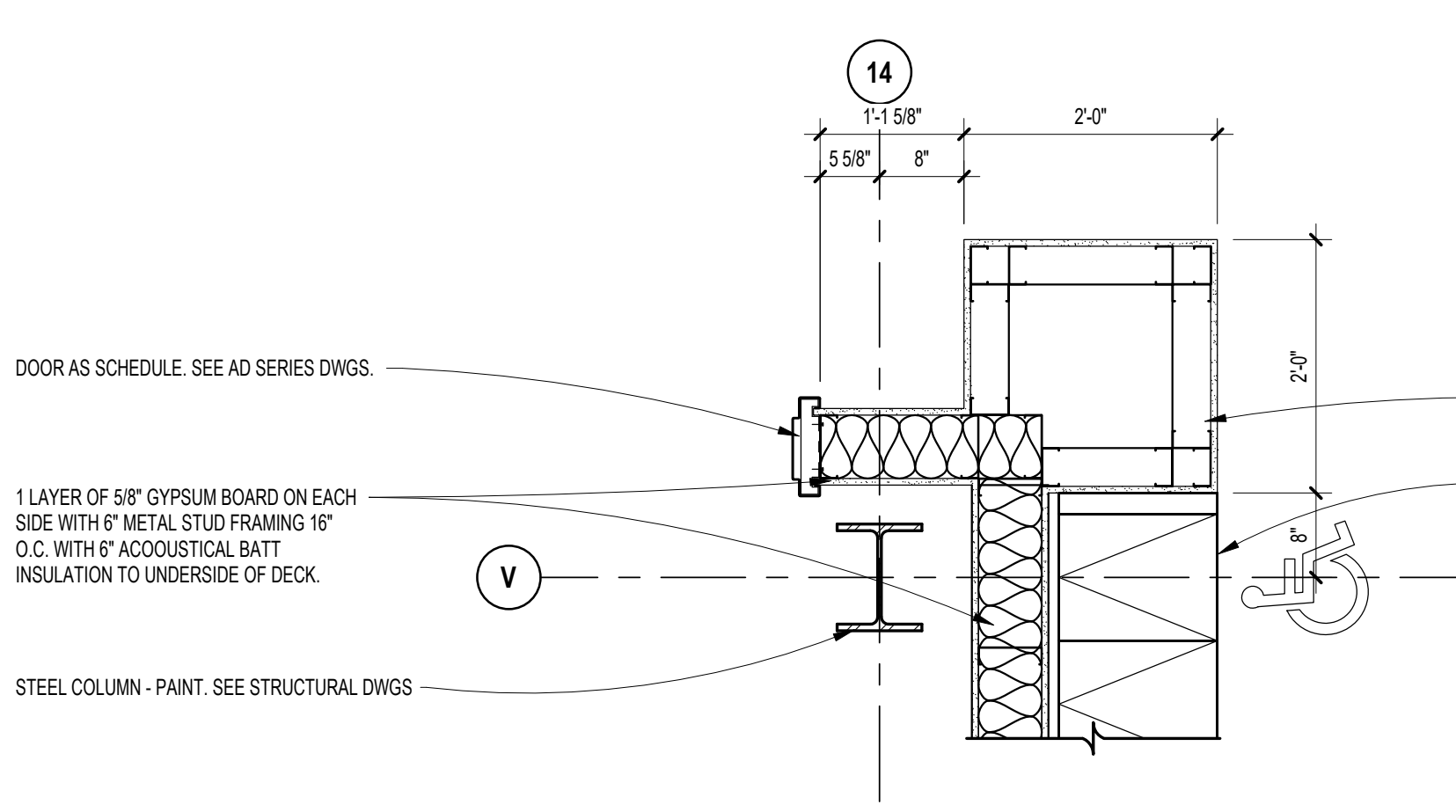
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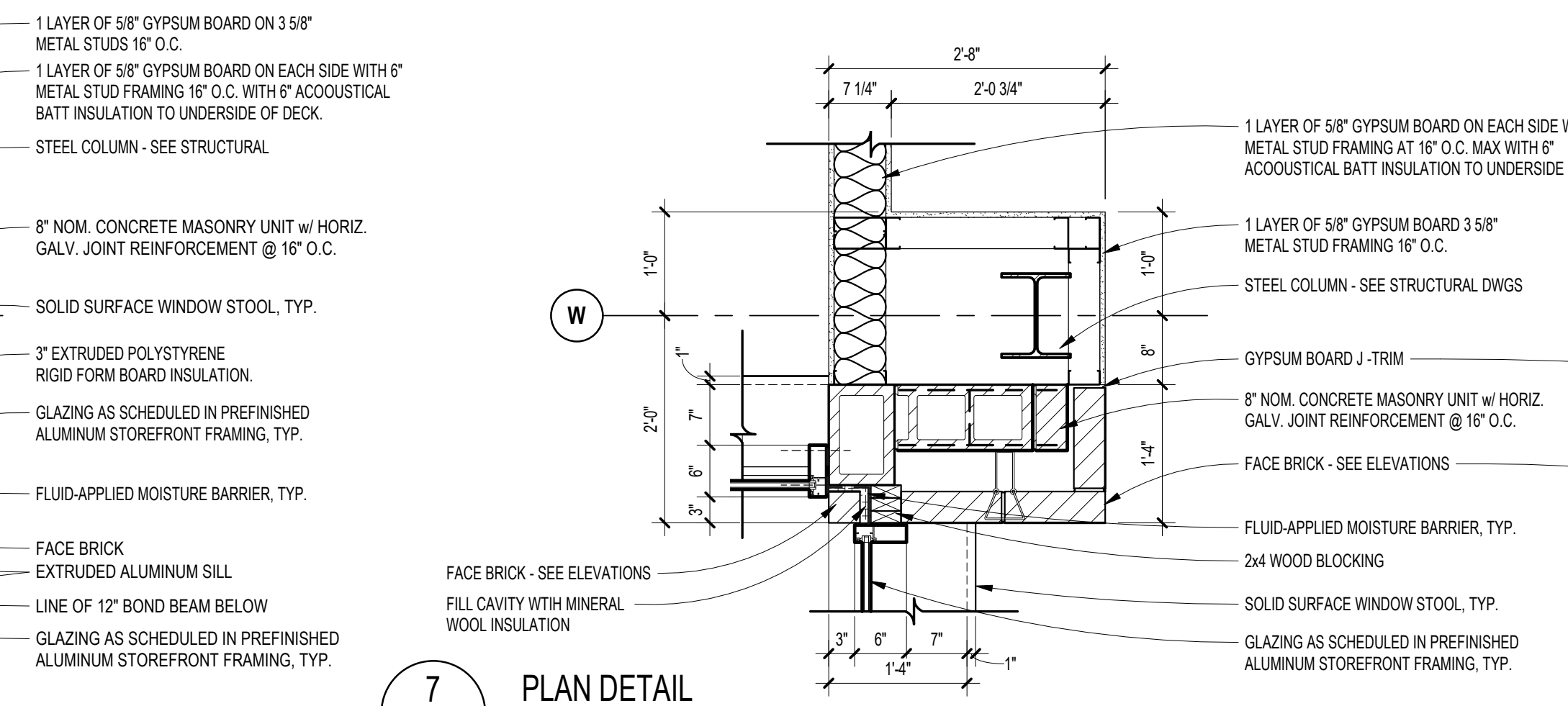
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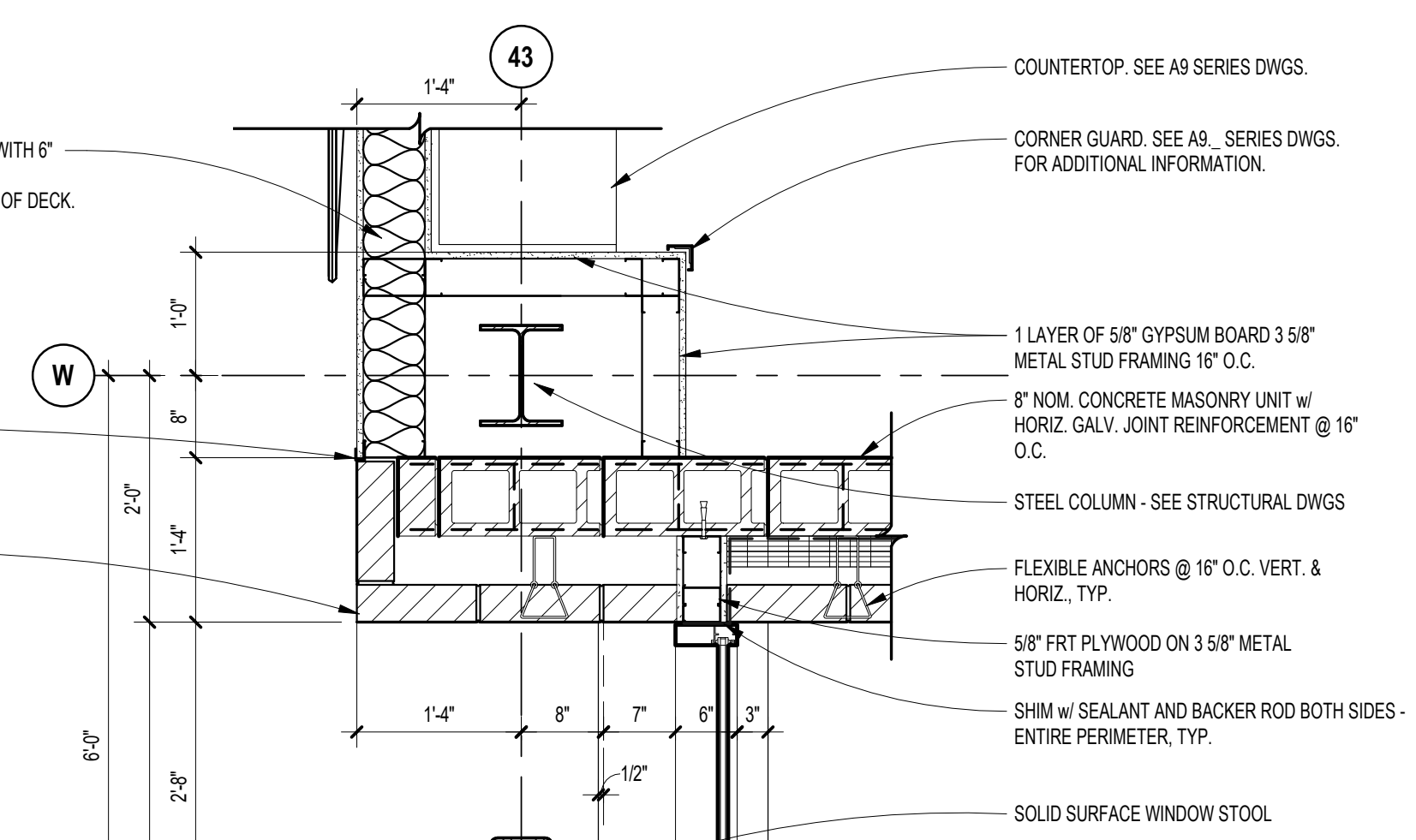
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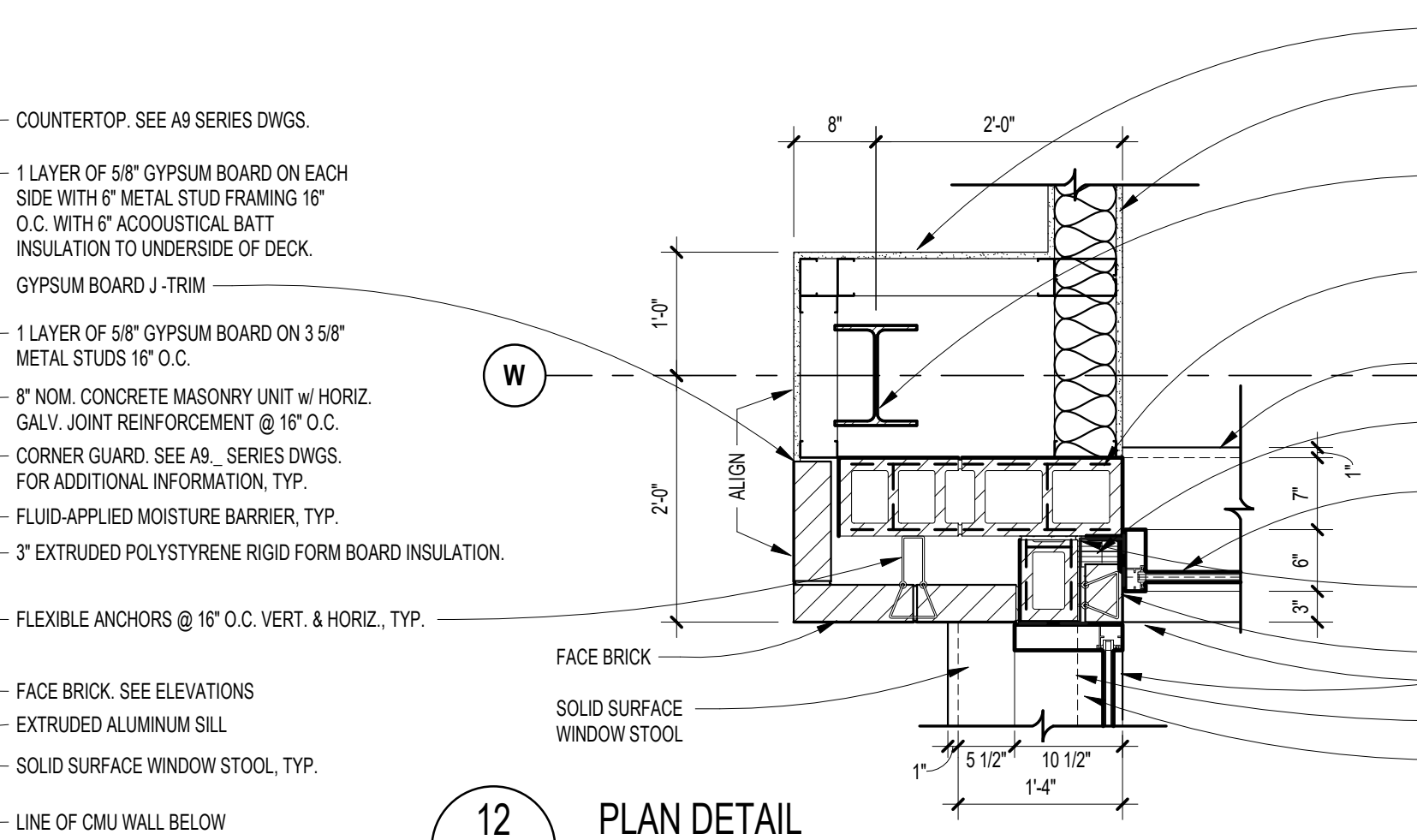
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7 PLAN DETAIL  
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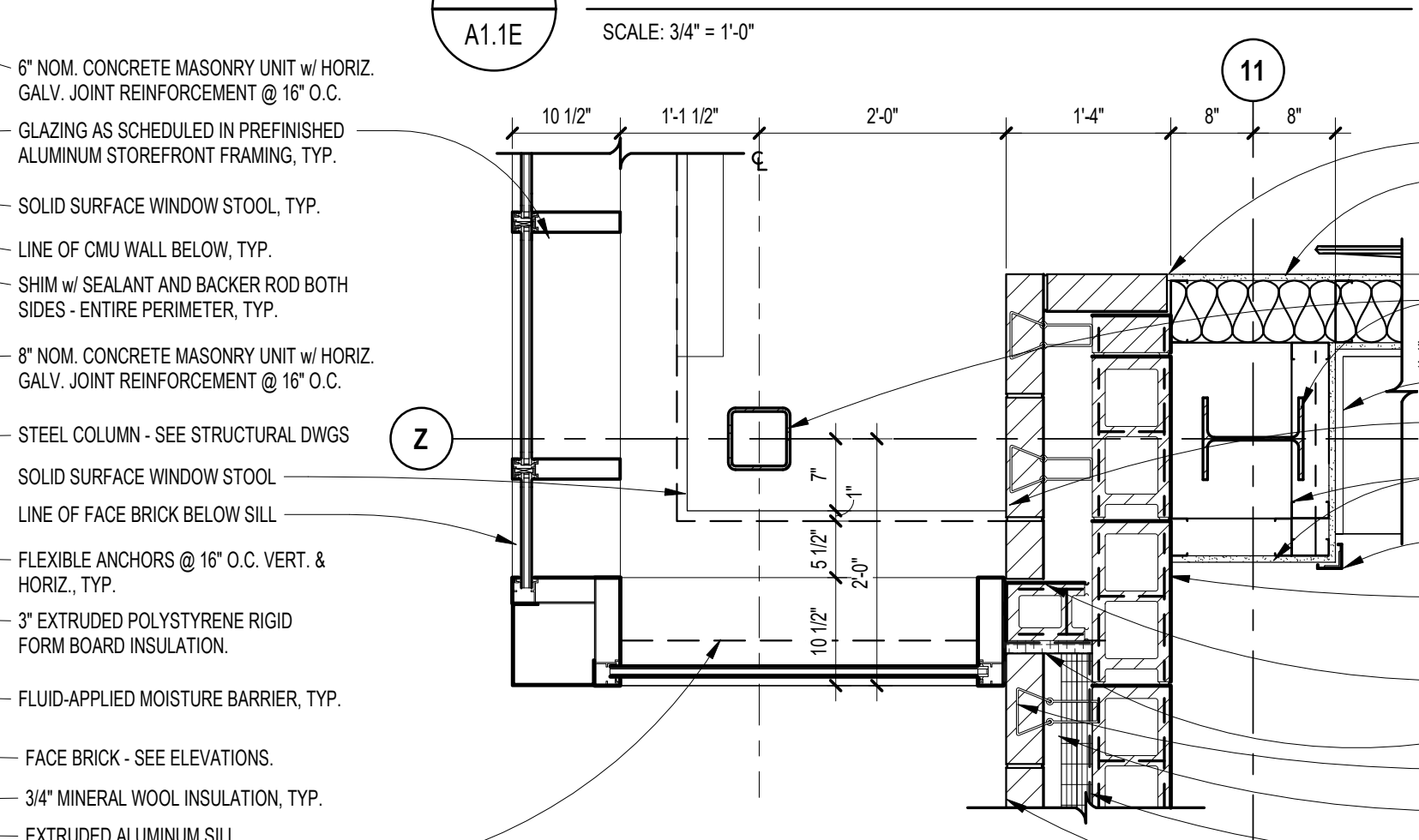
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12 PLAN DETAIL  
SCALE: 3/4" = 1'-0"



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



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



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



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

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
 MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Plan Details**

ISSUE DATES

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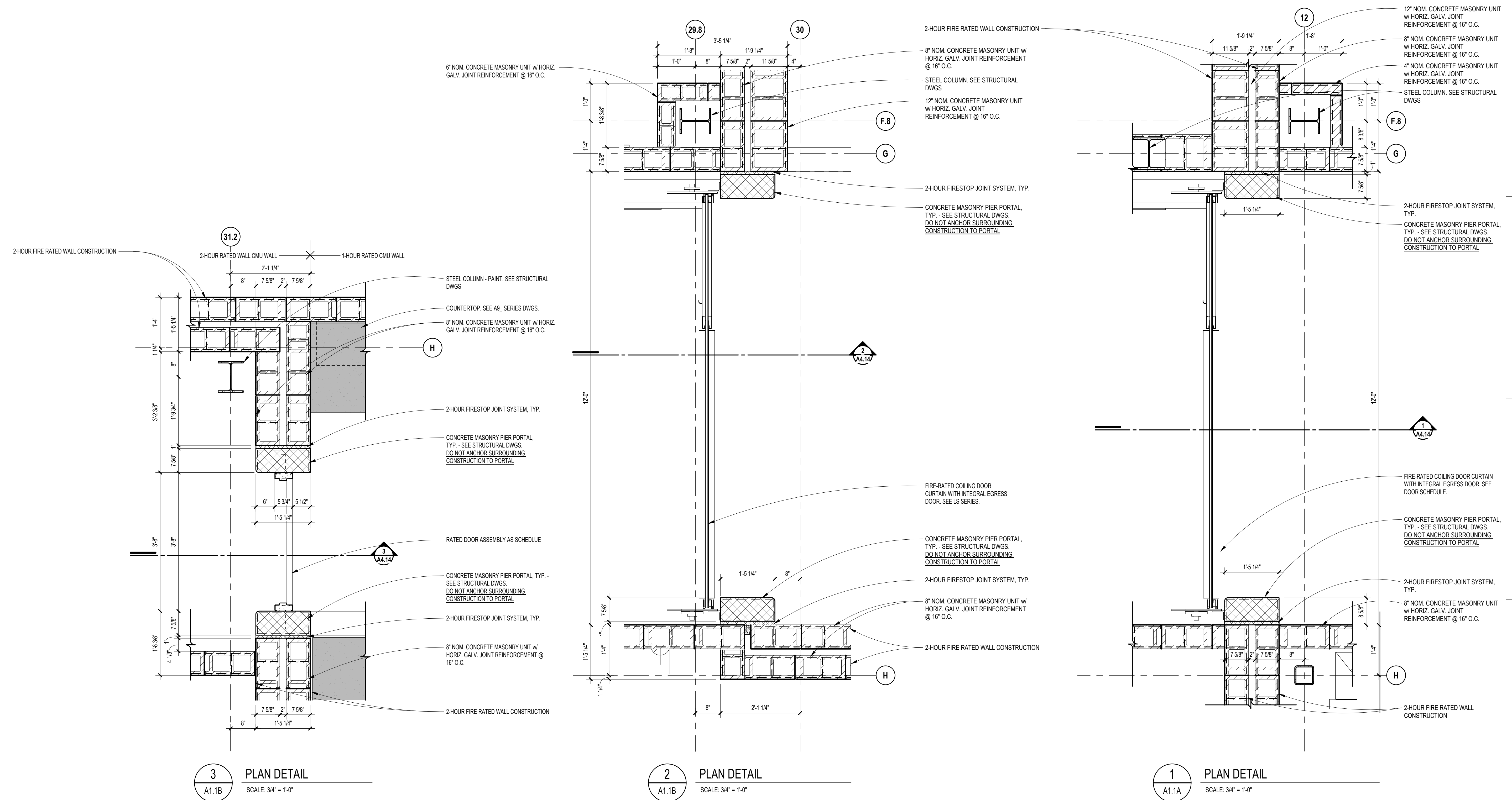
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PROJECT NO.

**22102**

DRAWING NO.

**A5.4**





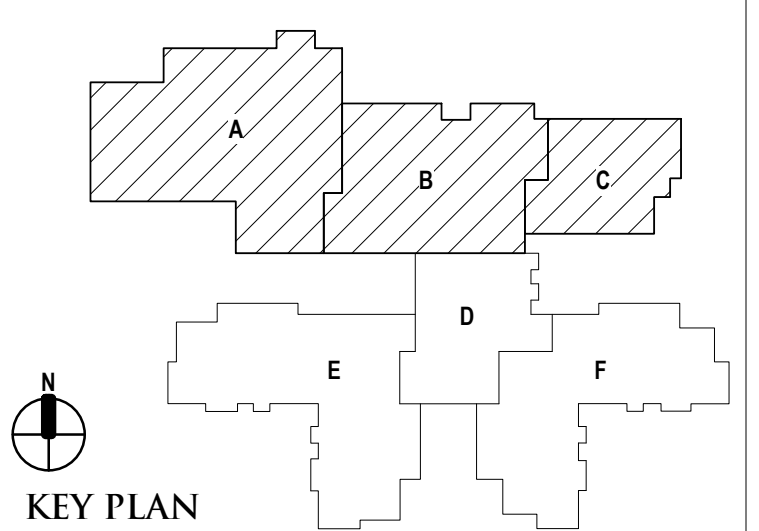
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CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Enlarged Floor Plans**



ISSUE DATES

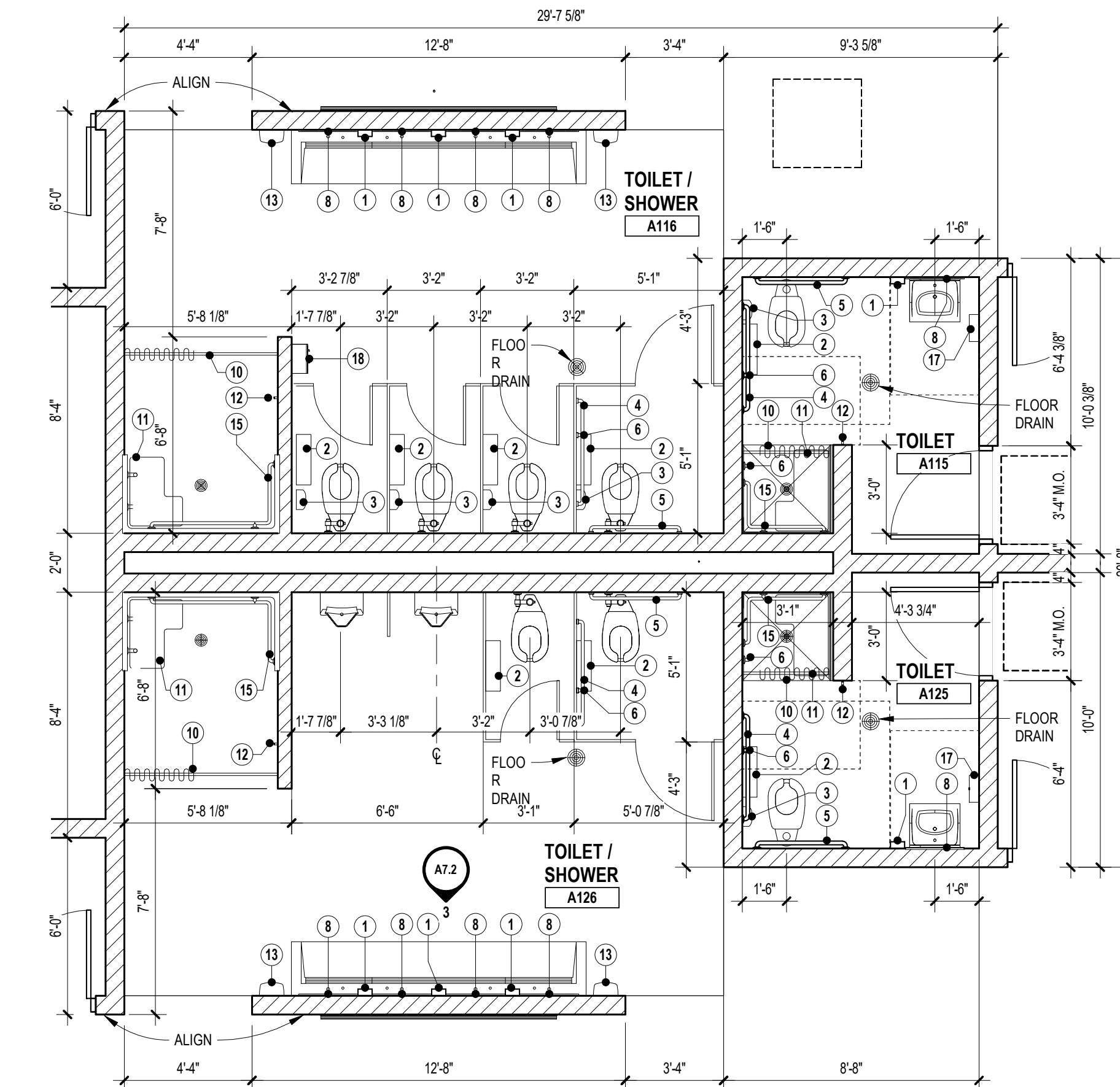
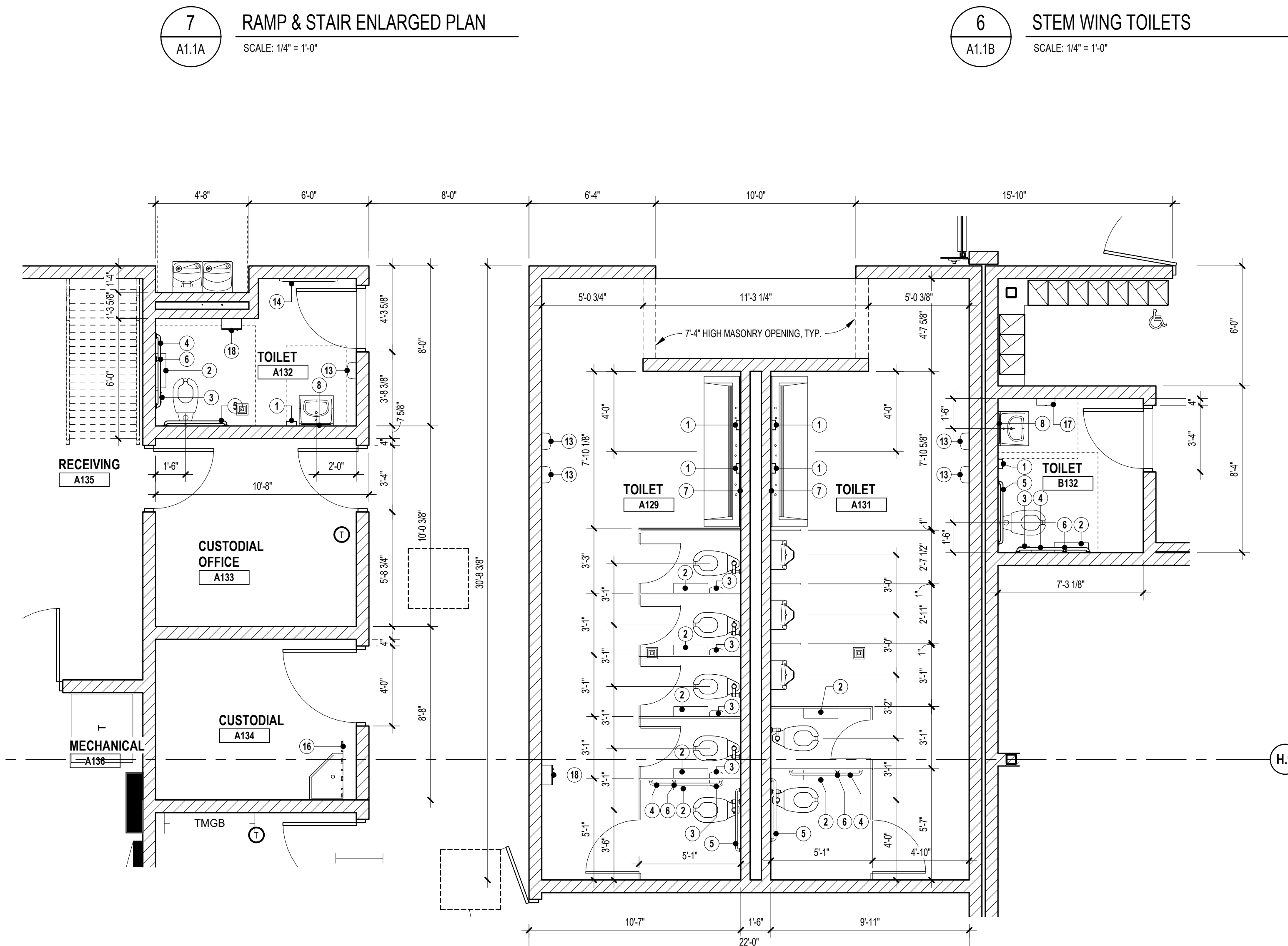
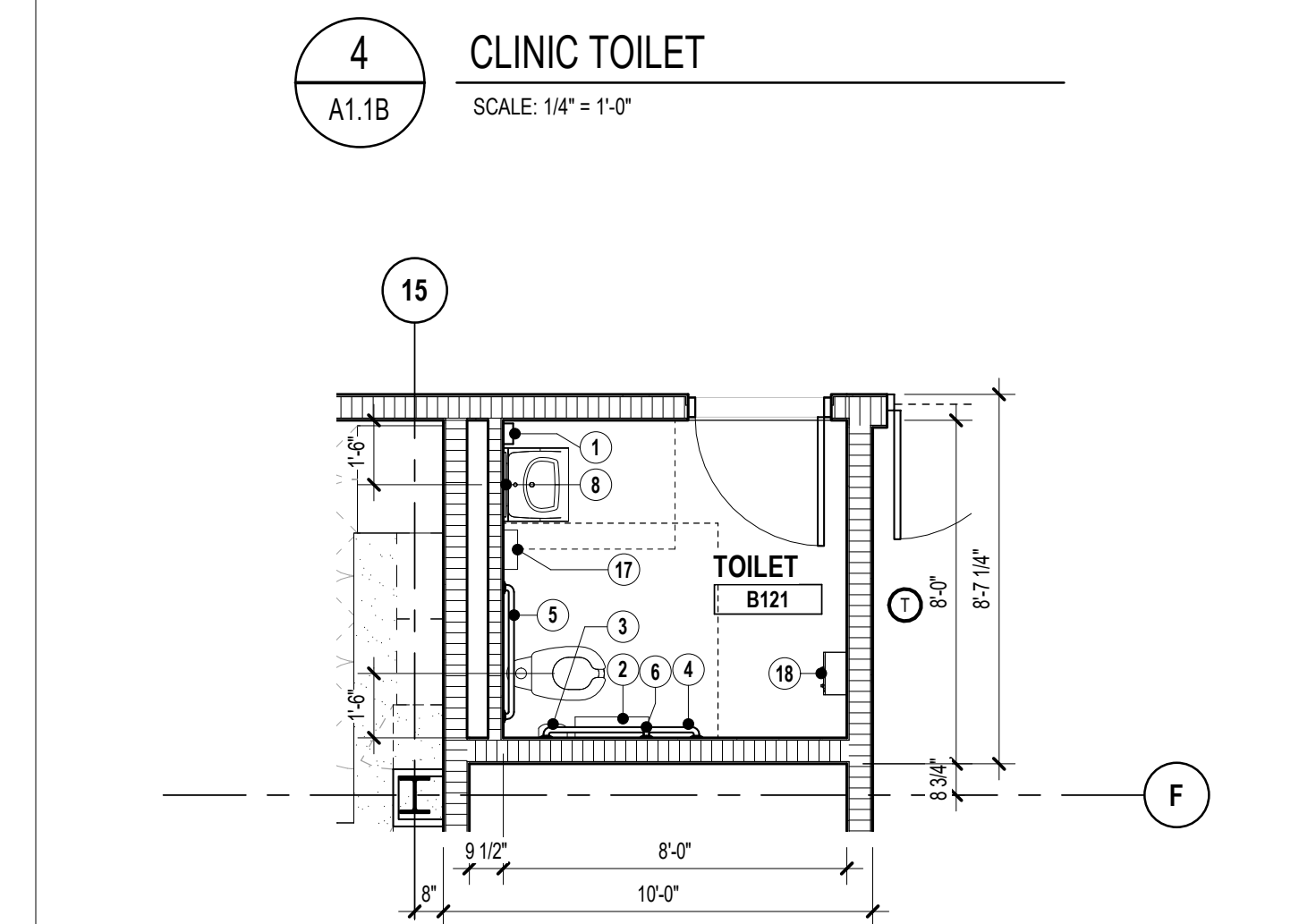
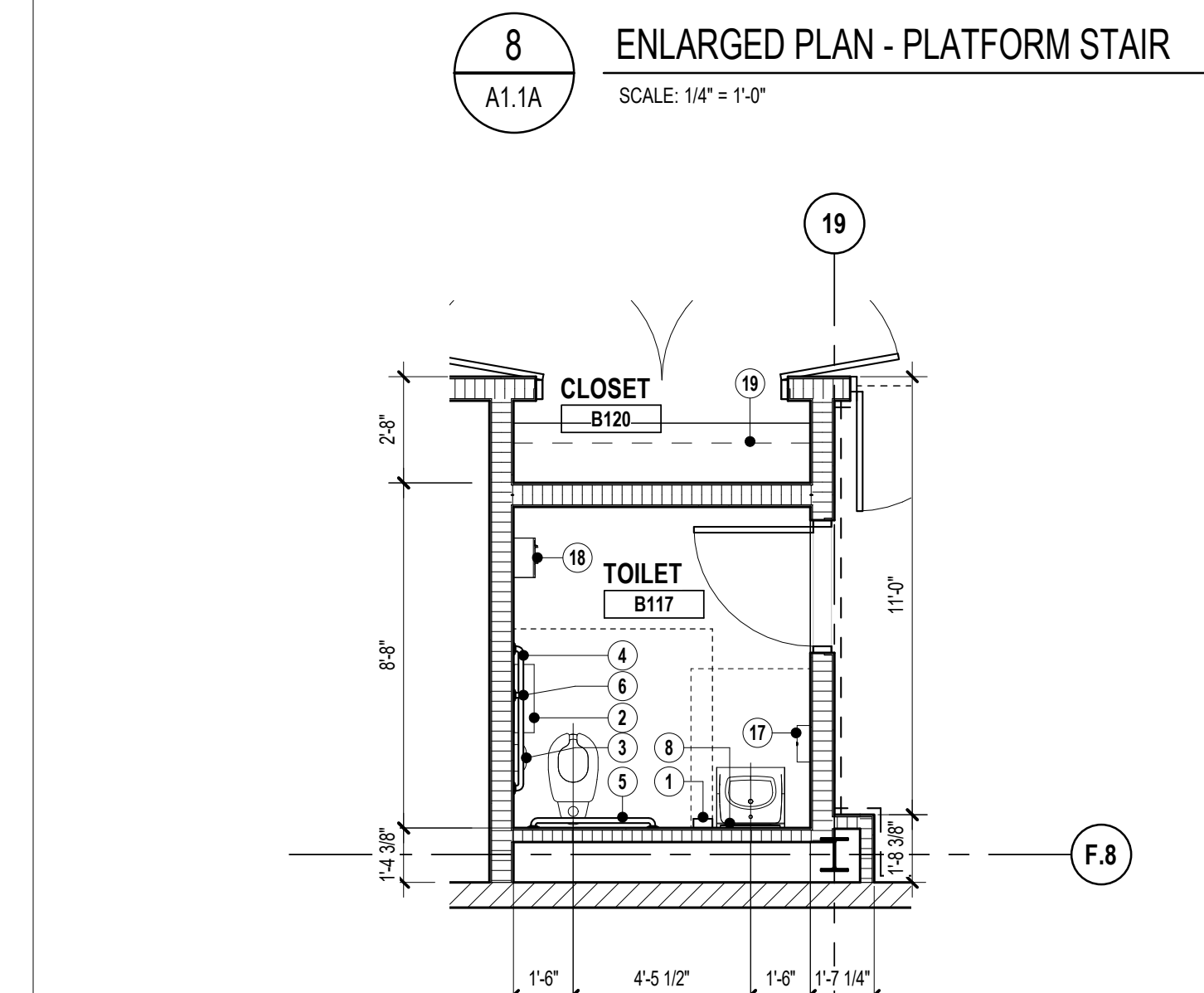
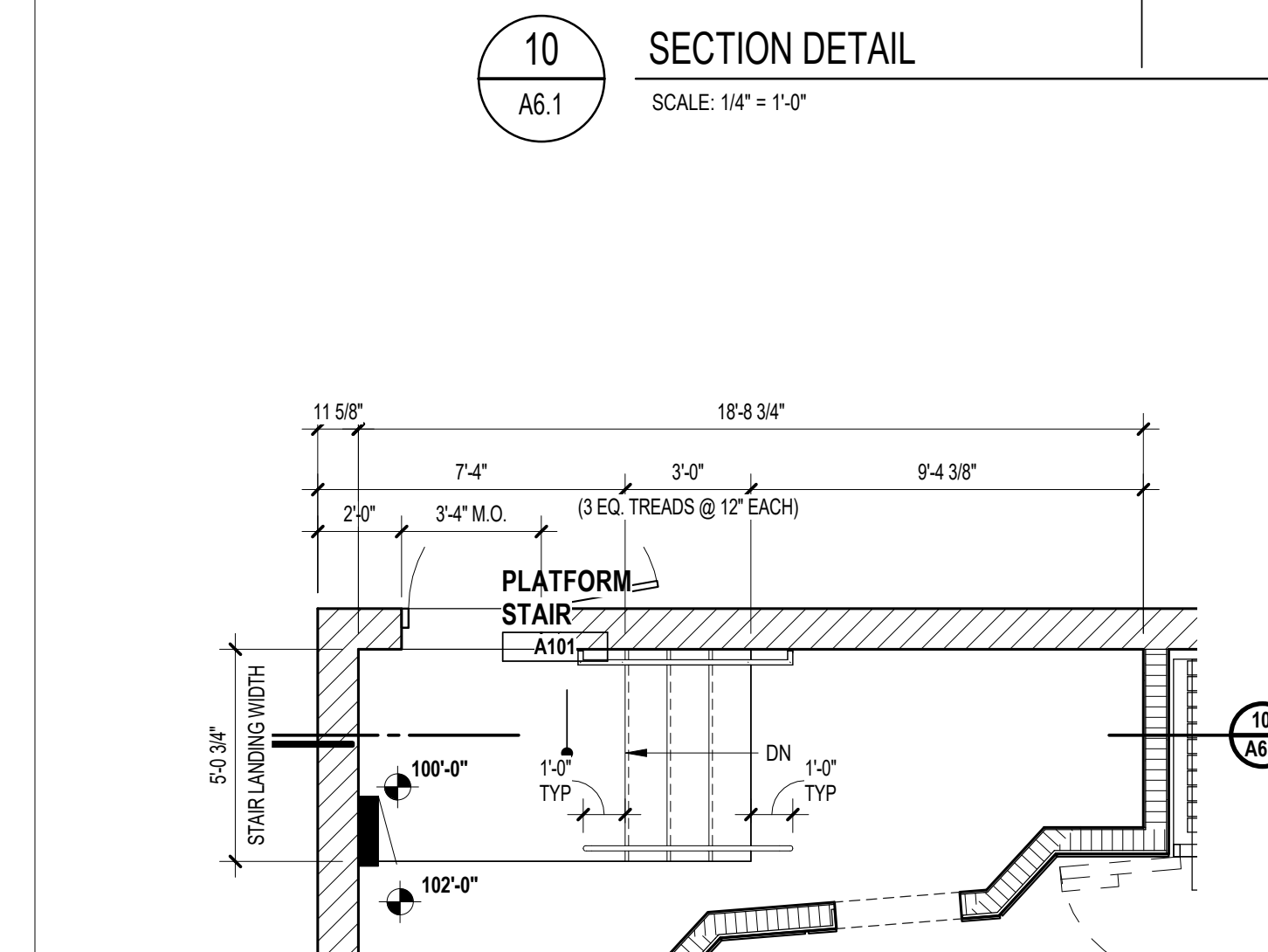
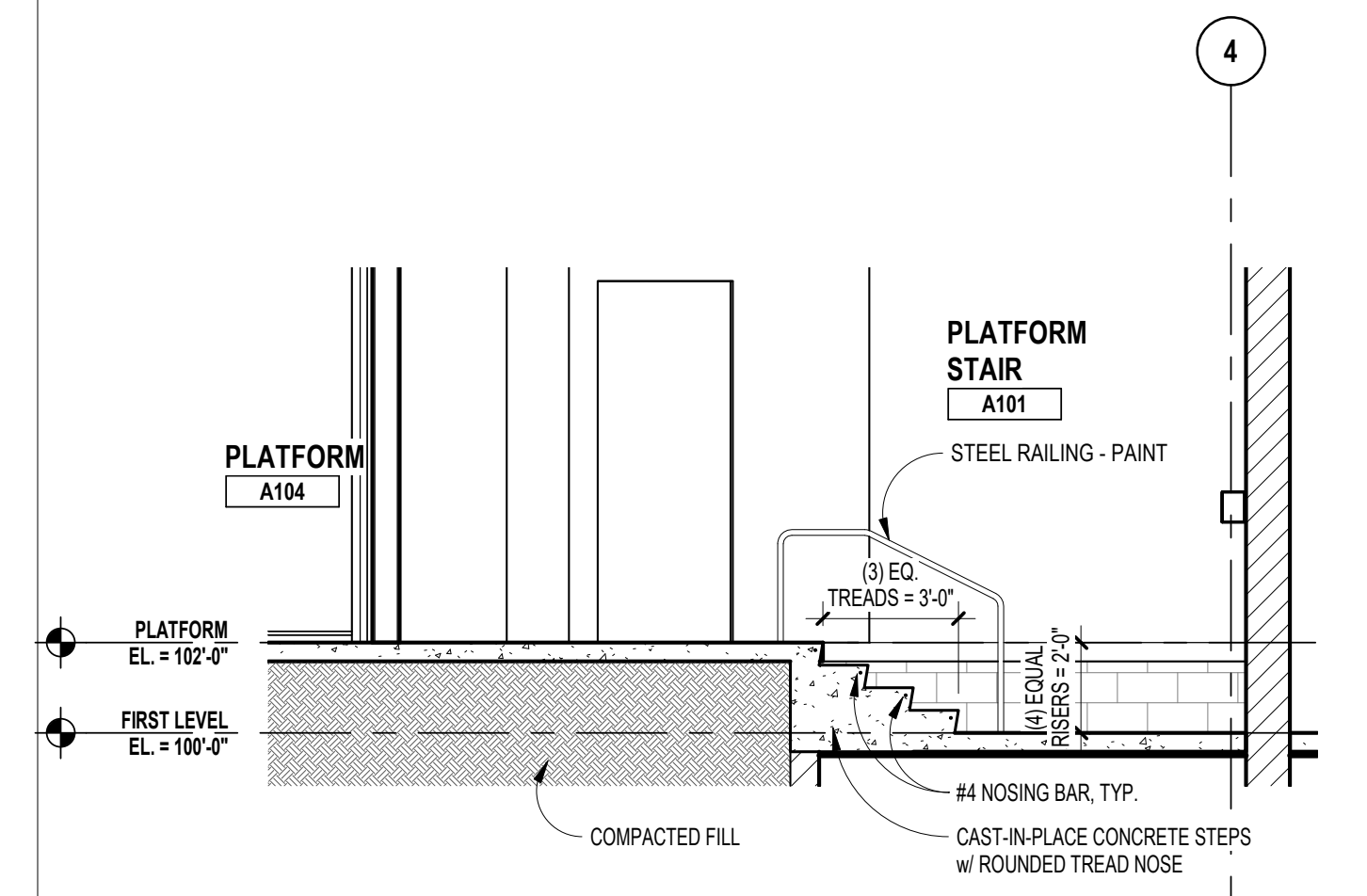
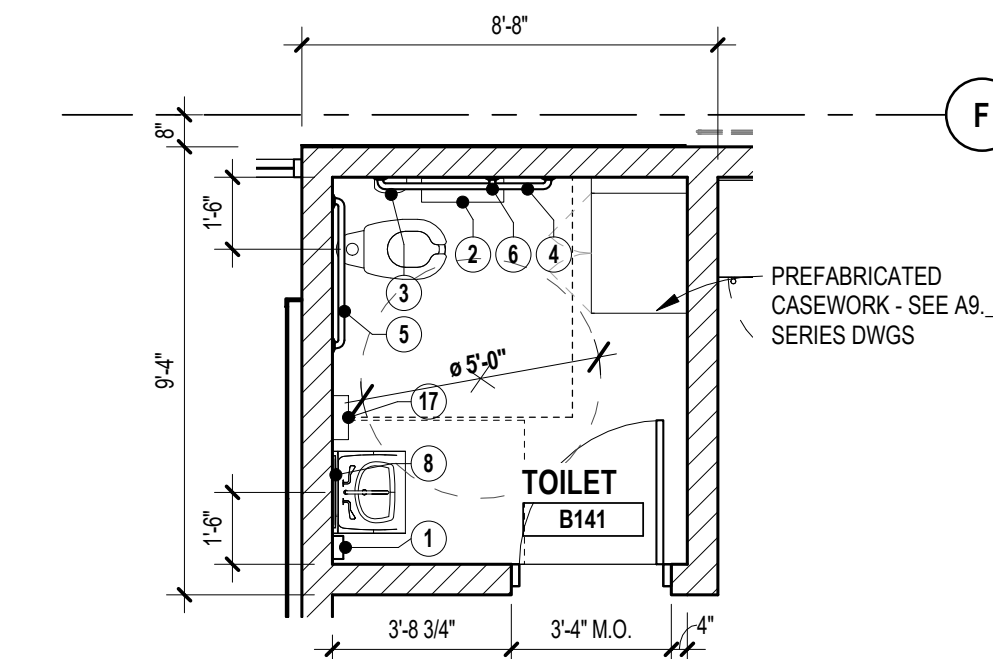
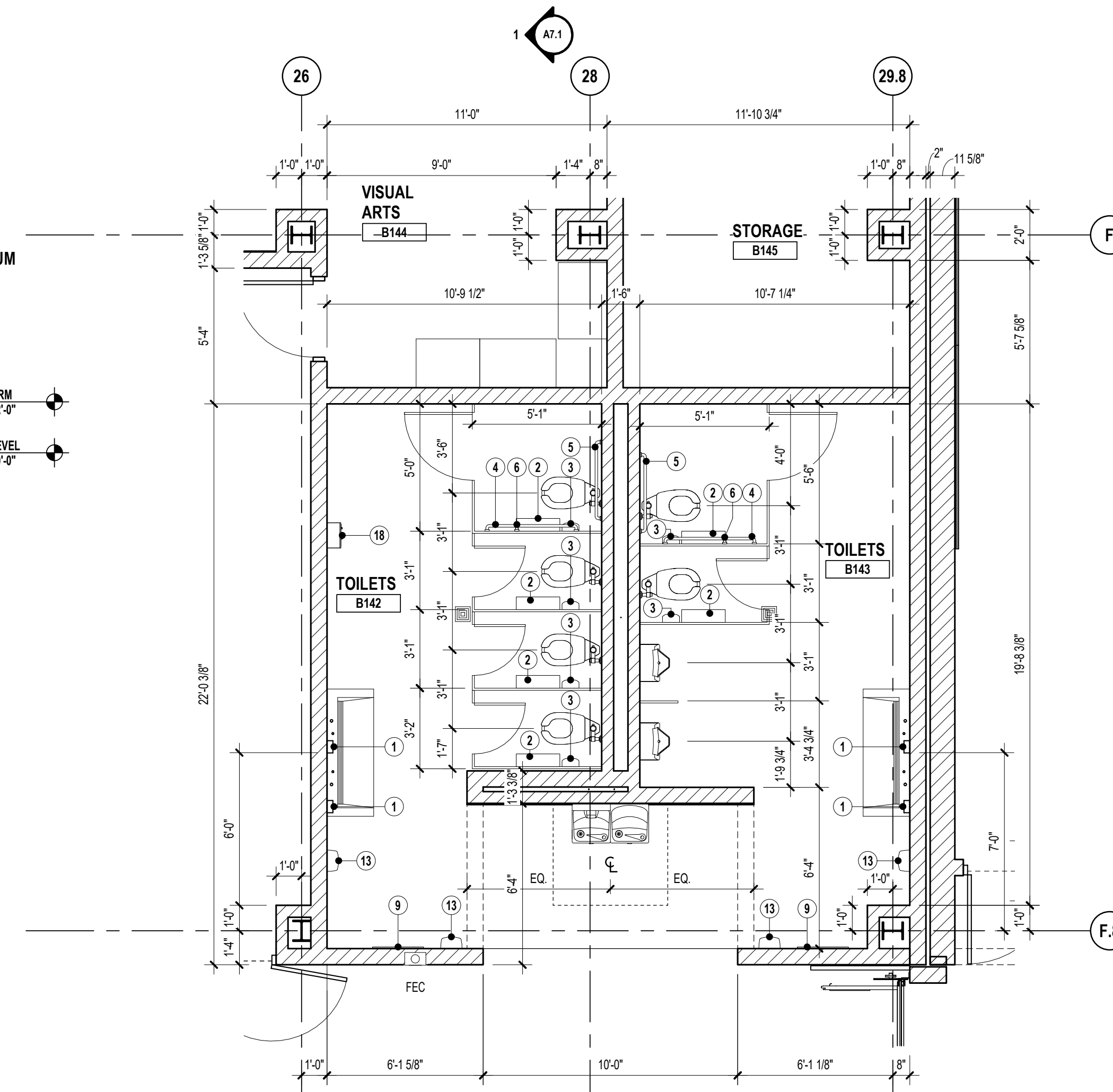
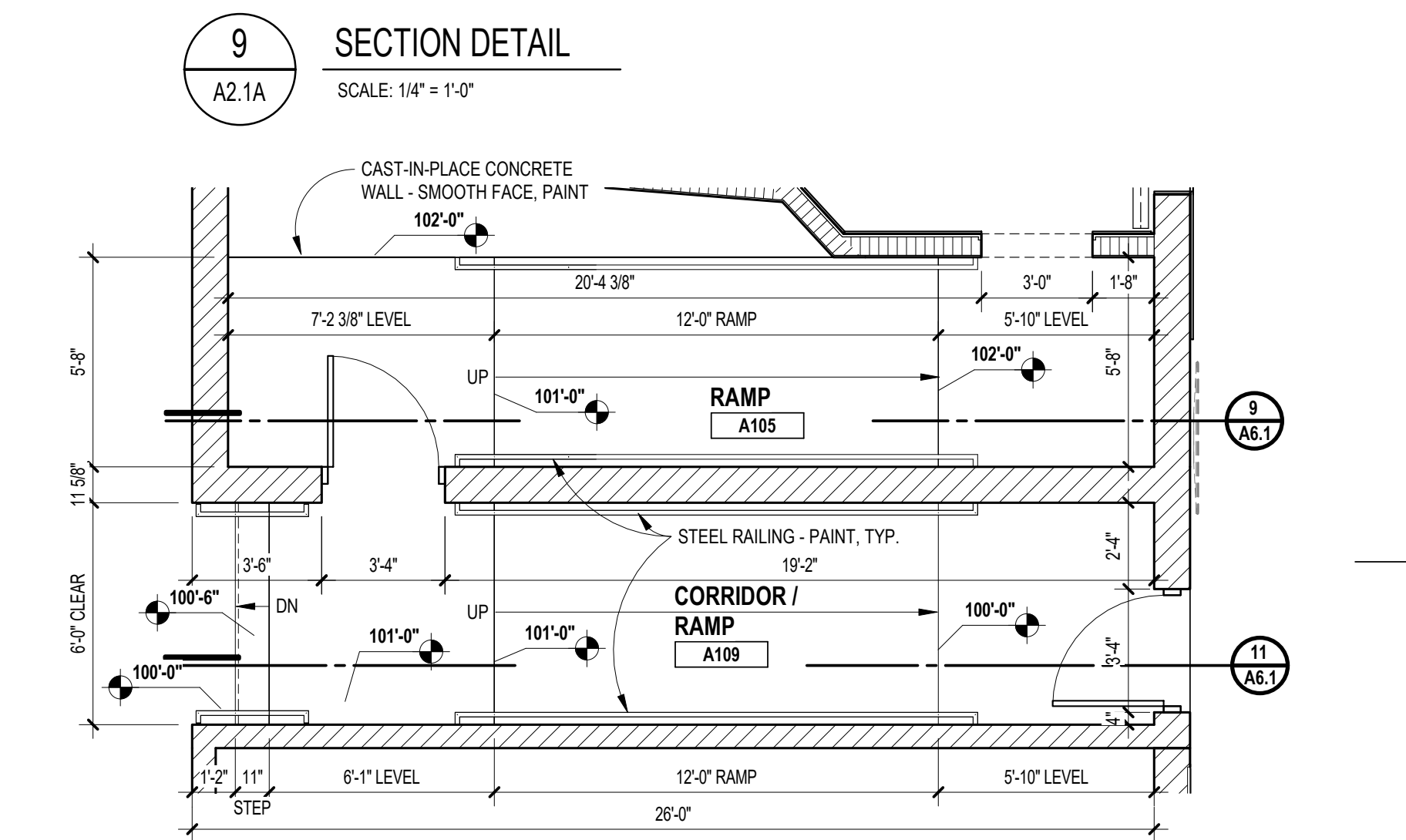
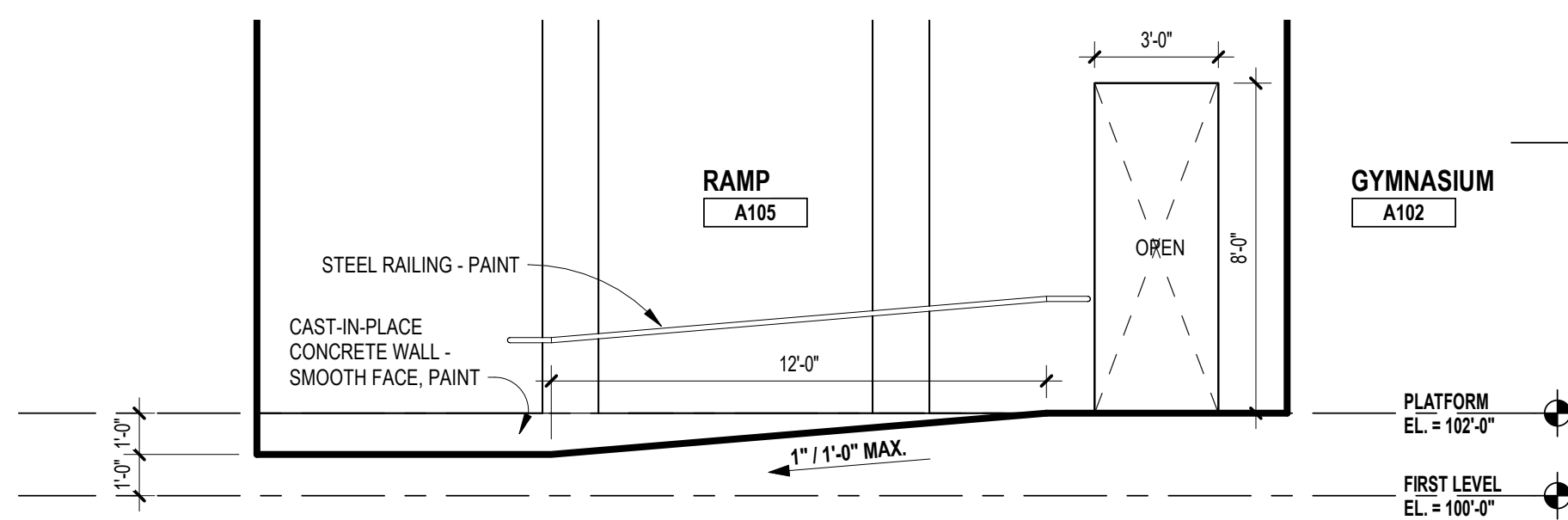
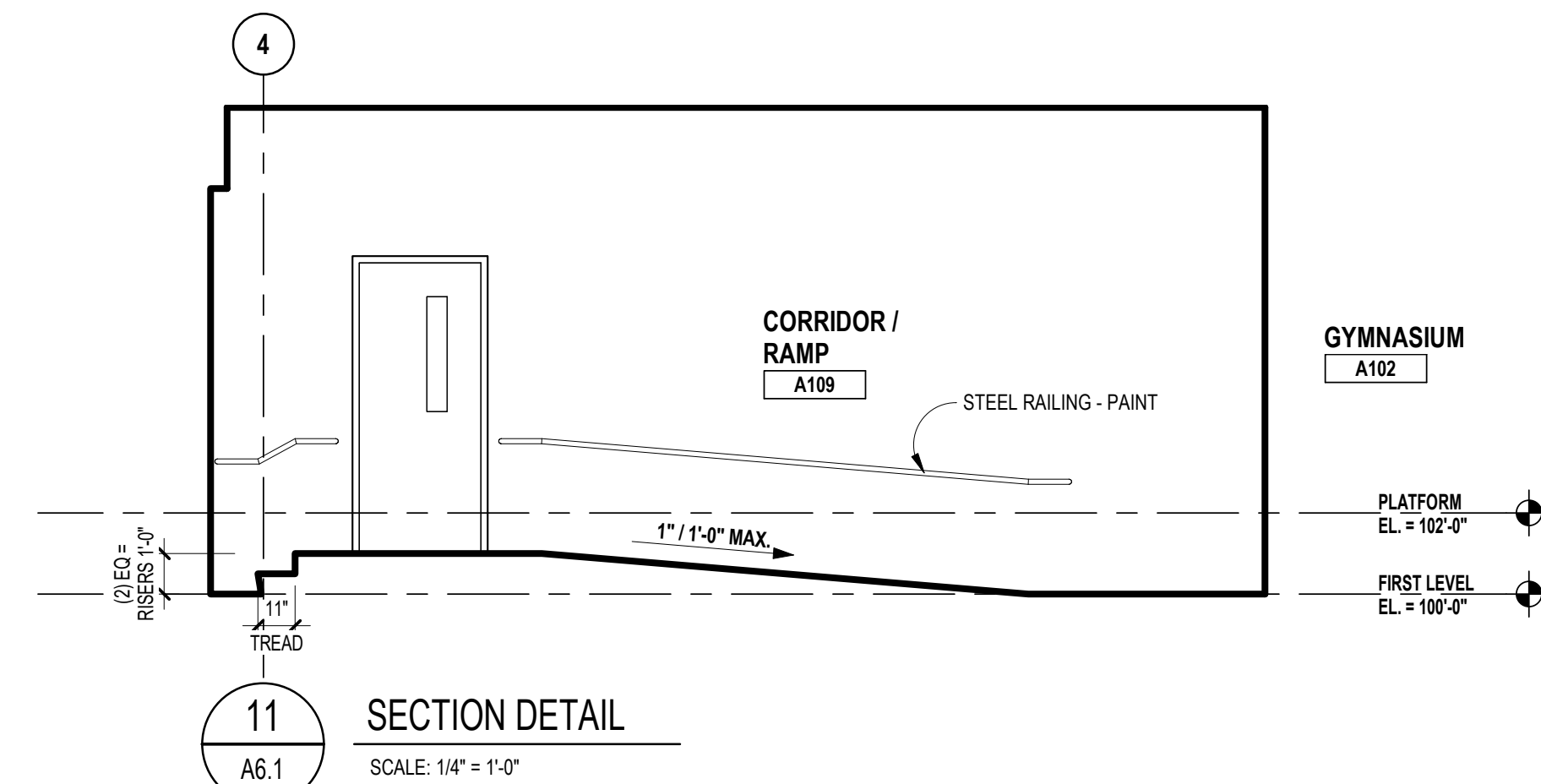
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DATE: ISSUED FOR:  
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PROJECT NO.  
**22102**  
DRAWING NO.  
**A6.1**

ACCESSORIES LEGEND	
1	SURFACE-MOUNTED, LIQUID SOAP DISPENSER - (FCI)
2	SURFACE-MOUNTED, TOILET PAPER HOLDER - (FCI)
3	SURFACE-MOUNTED, SANITARY NAPKIN DISPOSAL UNIT - (FCI)
4	GRAB BAR (42" LONG) - (FCI)
5	GRAB BAR (36" LONG) - (FCI)
6	GRAB BAR (18" TALL-VERTICAL) - (FCI)
7	POLISHED PLATE GLASS MIRROR ABOVE SINK
8	CHANNEL FRAME MIRROR (24" W x 48" H) - (FCI)
9	CHANNEL FRAME MIRROR (24" W x 60" H), MOUNT TOP AT 7'-FA.F.F. - (FCI)
10	HEAVY DUTY SHOWER CURTAIN, ROD AND HOOKS - (FCI)
11	FOLDING SHOWER SEAT - (FCI)
12	ROBE HOOK - (FCI)
13	SURFACE WARM-AIR HAND DRYER - (FCI)
14	BABY CHANGING STATION - (FCI)
15	TWO WALL GRAB BAR - (FCI)
16	UTILITY SHELF WITH MOP AND BROOM HOLDER - (FCI)
17	PAPER TOWEL DISPENSER - (FCI)
18	SANITARY NAPKIN DISPENSER - (FCI)
19	CLOSET SHELF AND ROD - (FCI)

GENERAL NOTES	
1.	MOUNTING HEIGHTS AND POSITIONING SHALL BE AS INDICATED ON GENERAL INFORMATION SHEET (TG.1), U.O.N.
2.	FCI - OWNER TO FURNISH, CONTRACTOR TO INSTALL.
3.	FCI - CONTRACTOR TO FURNISH, CONTRACTOR TO INSTALL.



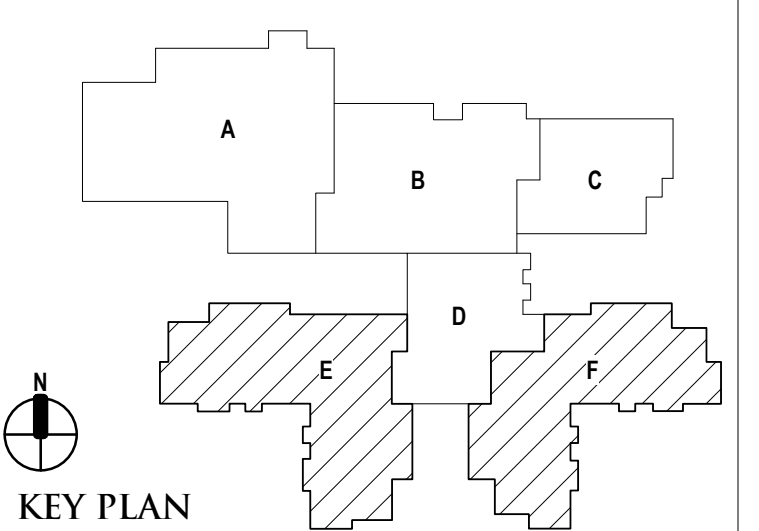
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Enlarged Floor Plans**



ISSUE DATES

DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS

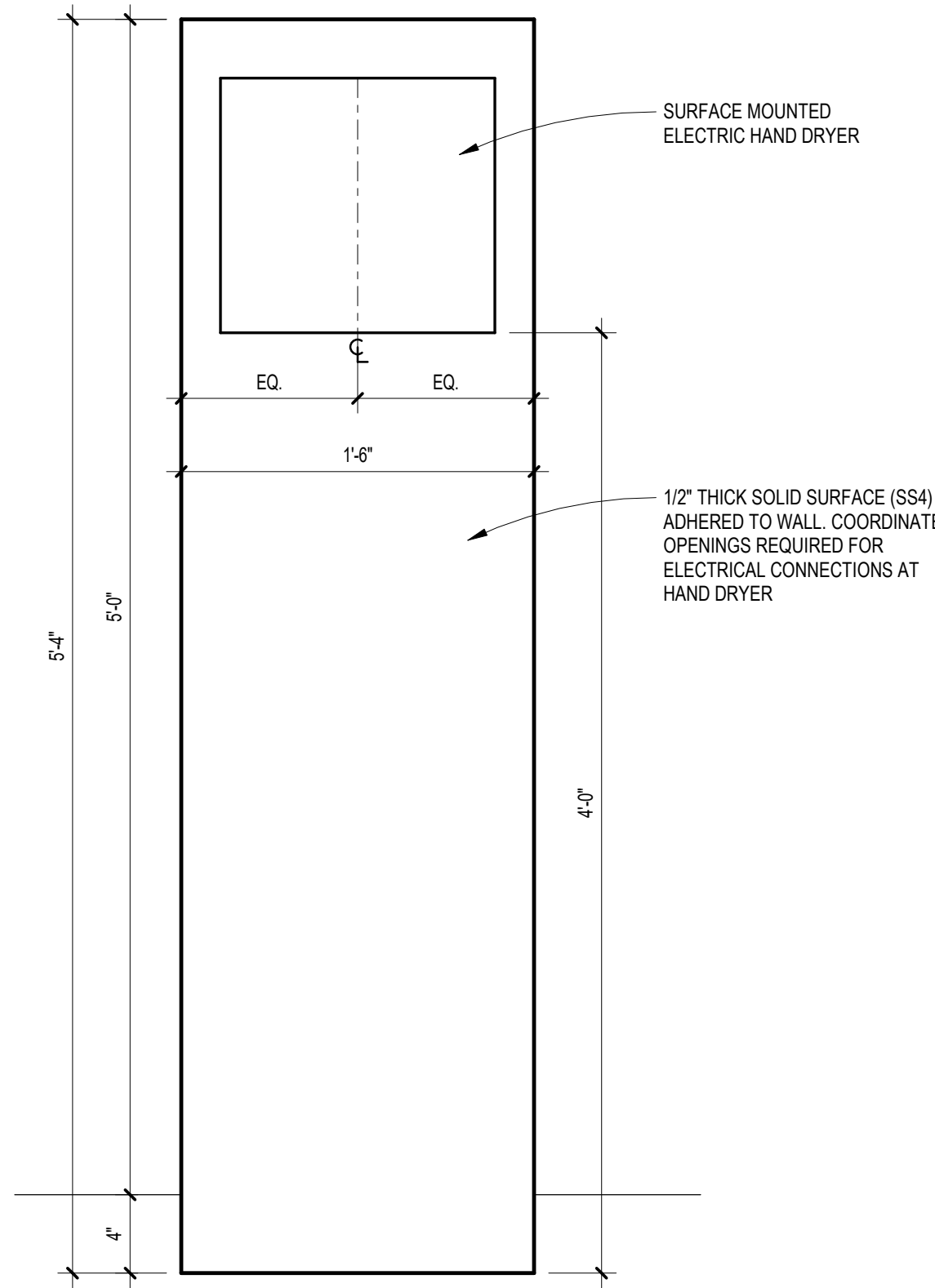
PROJECT NO.  
**22102**

DRAWING NO.  
**A6.2**

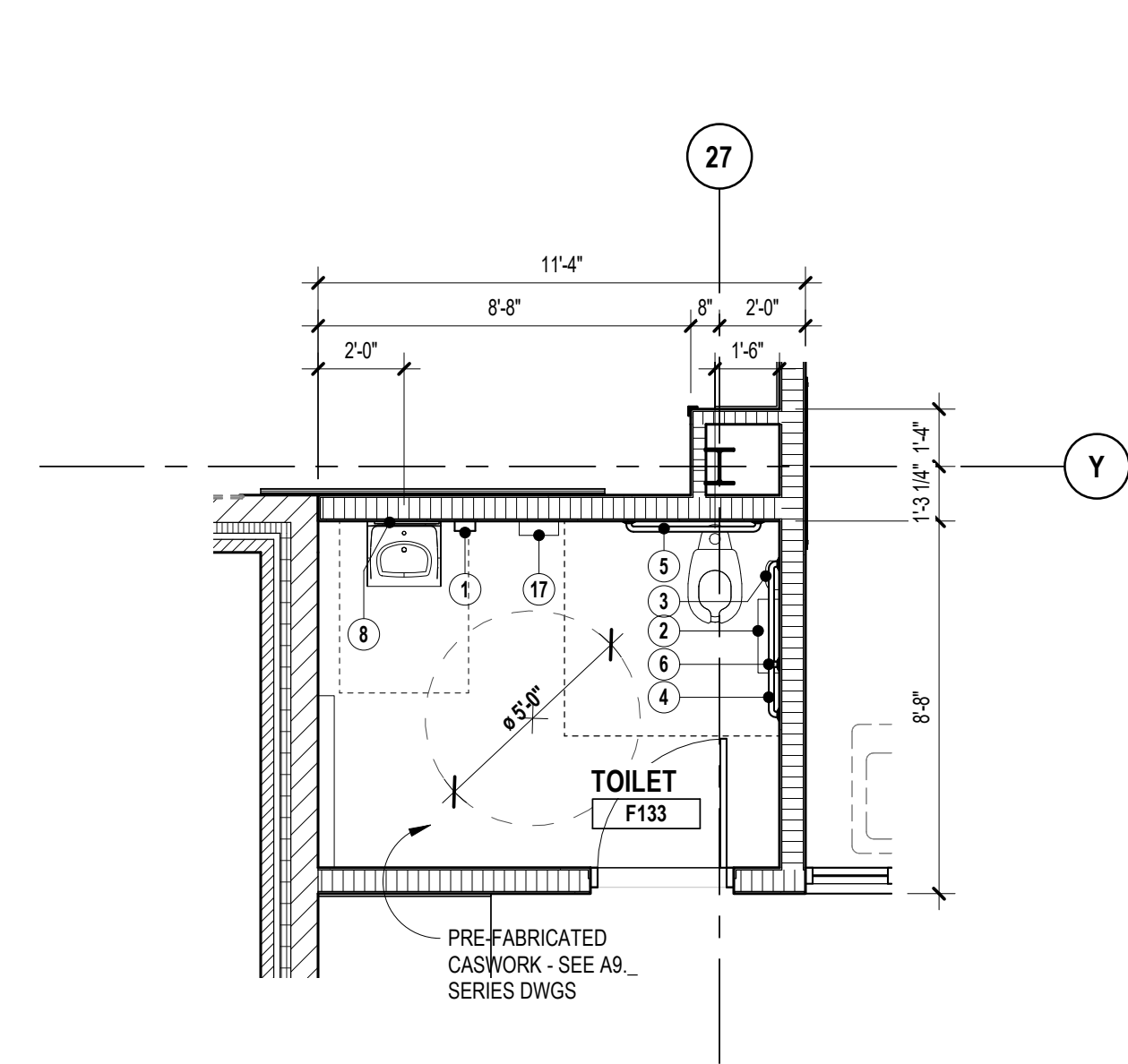
ACCESSORIES LEGEND	
①	SURFACE MOUNTED LIQUID SOAP DISPENSER - (CFCI)
②	SURFACE MOUNTED TOILET PAPER HOLDER - (CFCI)
③	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL UNIT - (CFCI)
④	GRAB BAR (42" LONG) - (CFCI)
⑤	GRAB BAR (36" LONG) - (CFCI)
⑥	GRAB BAR (18" TALL-VERTICAL) - (CFCI)
⑦	POLISHED PLATE GLASS MIRROR ABOVE SINK
⑧	CHANNEL FRAME MIRROR (24" W x 48" H) - (CFCI)
⑨	CHANNEL FRAME MIRROR (24" W x 60" H) MOUNT TOP AT 7'-FA.F.F. - (CFCI)
⑩	HEAVY DUTY SHOWER CURTAIN, ROD AND HOOKS - (CFCI)
⑪	FOLDING SHOWER SEAT - (CFCI)
⑫	ROBE HOOK - (CFCI)
⑬	SURFACE WARM-AIR HAND DRYER - (CFCI)
⑭	BABY CHANGING STATION - (CFCI)
⑮	TWO WALL GRAB BAR - (CFCI)
⑯	UTILITY SHELF WITH MOP AND BROOM HOLDER - (CFCI)
⑰	PAPER TOWEL DISPENSER - (CFCI)
⑱	SANITARY NAPKIN DISPENSER - (CFCI)
⑲	CLOSET SHELF AND ROD - (CFCI)

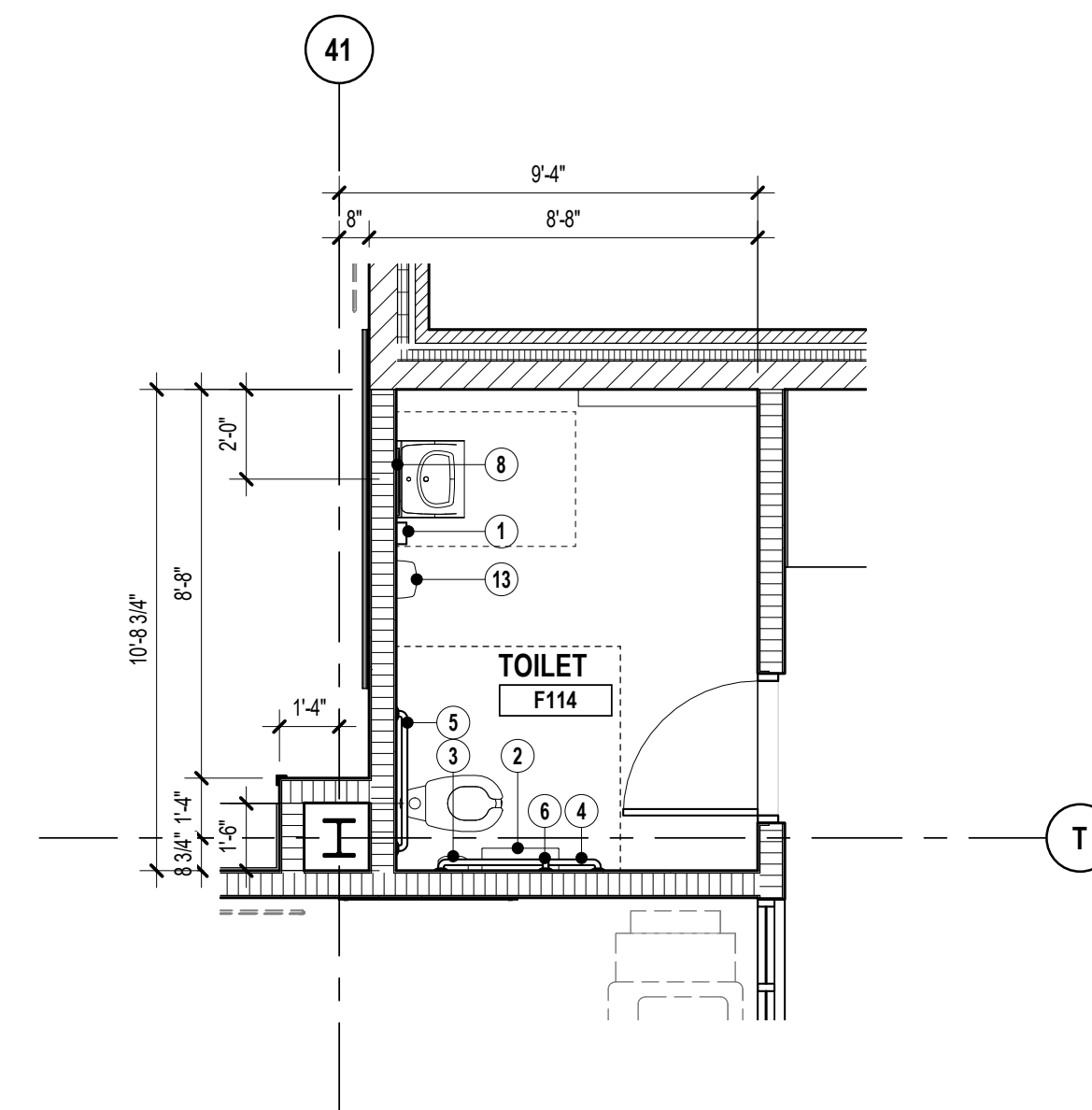
GENERAL NOTES	
1.	MOUNTING HEIGHTS AND POSITIONING SHALL BE AS INDICATED ON GENERAL INFORMATION SHEET (TG.1), U.O.N.
2.	CFCI - OWNER TO FURNISH, CONTRACTOR TO INSTALL.
3.	CFCI - CONTRACTOR TO FURNISH, CONTRACTOR TO INSTALL.



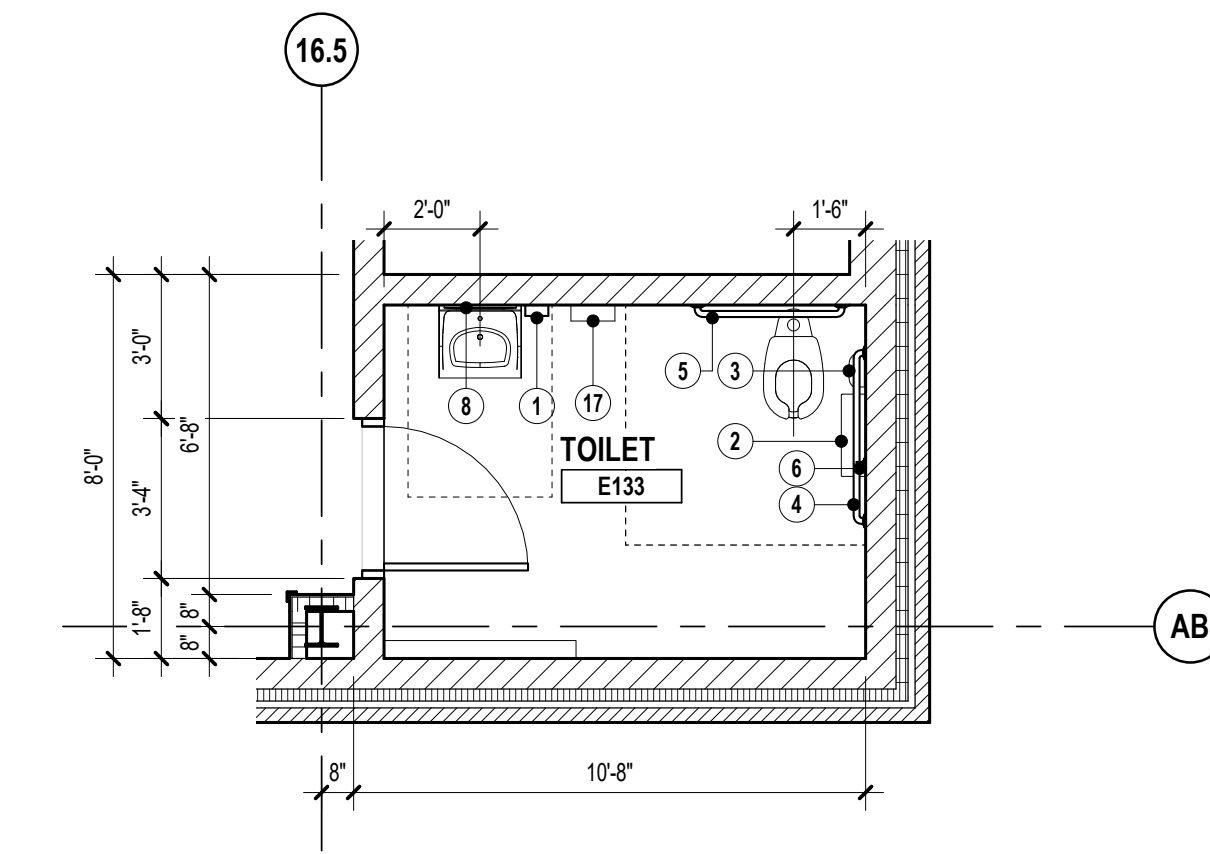
**7** HAND DRYER WALL GUARD  
SCALE: 1 1/2" = 1'-0"



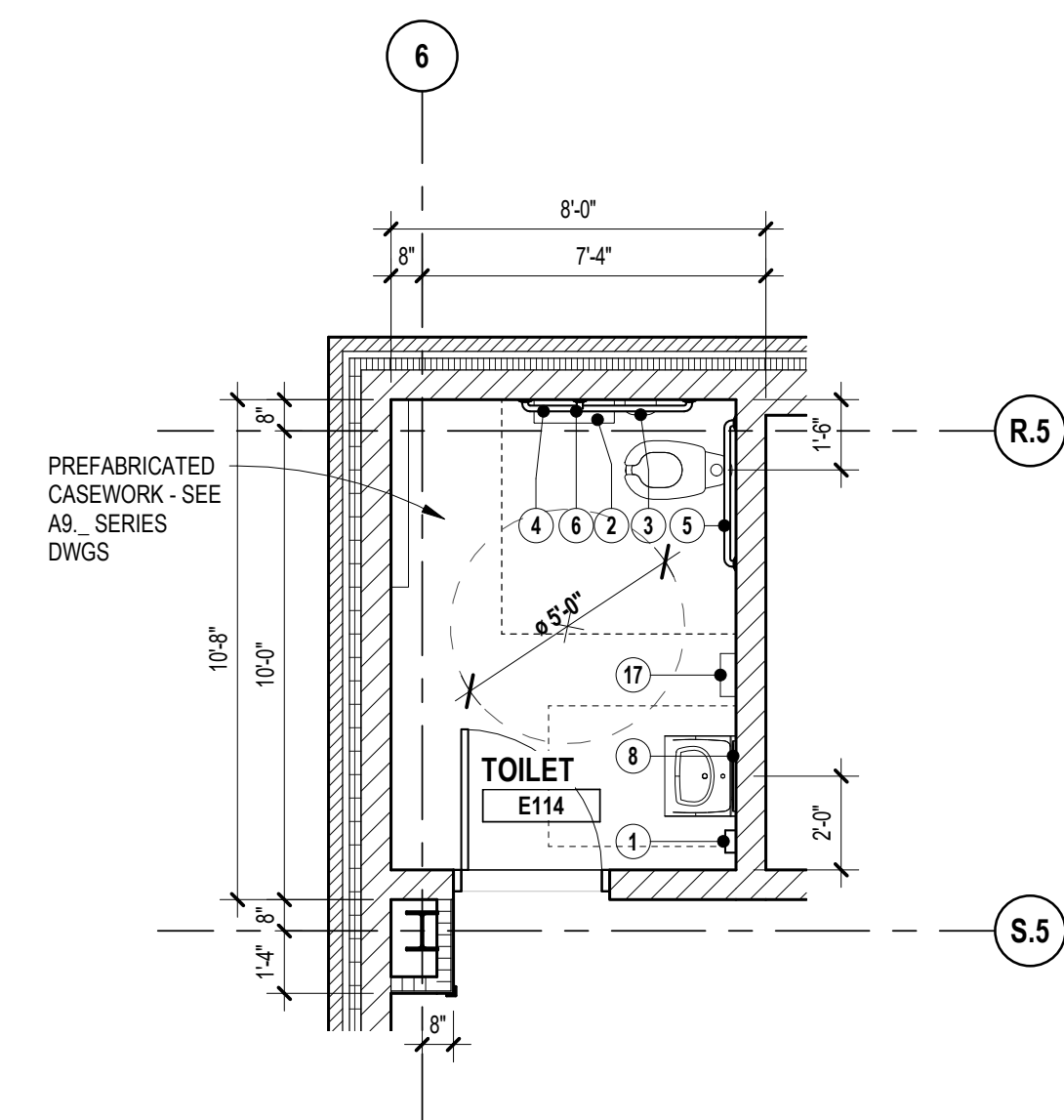
**6** TEACHER COLLAB TOILET  
SCALE: 1/4" = 1'-0"



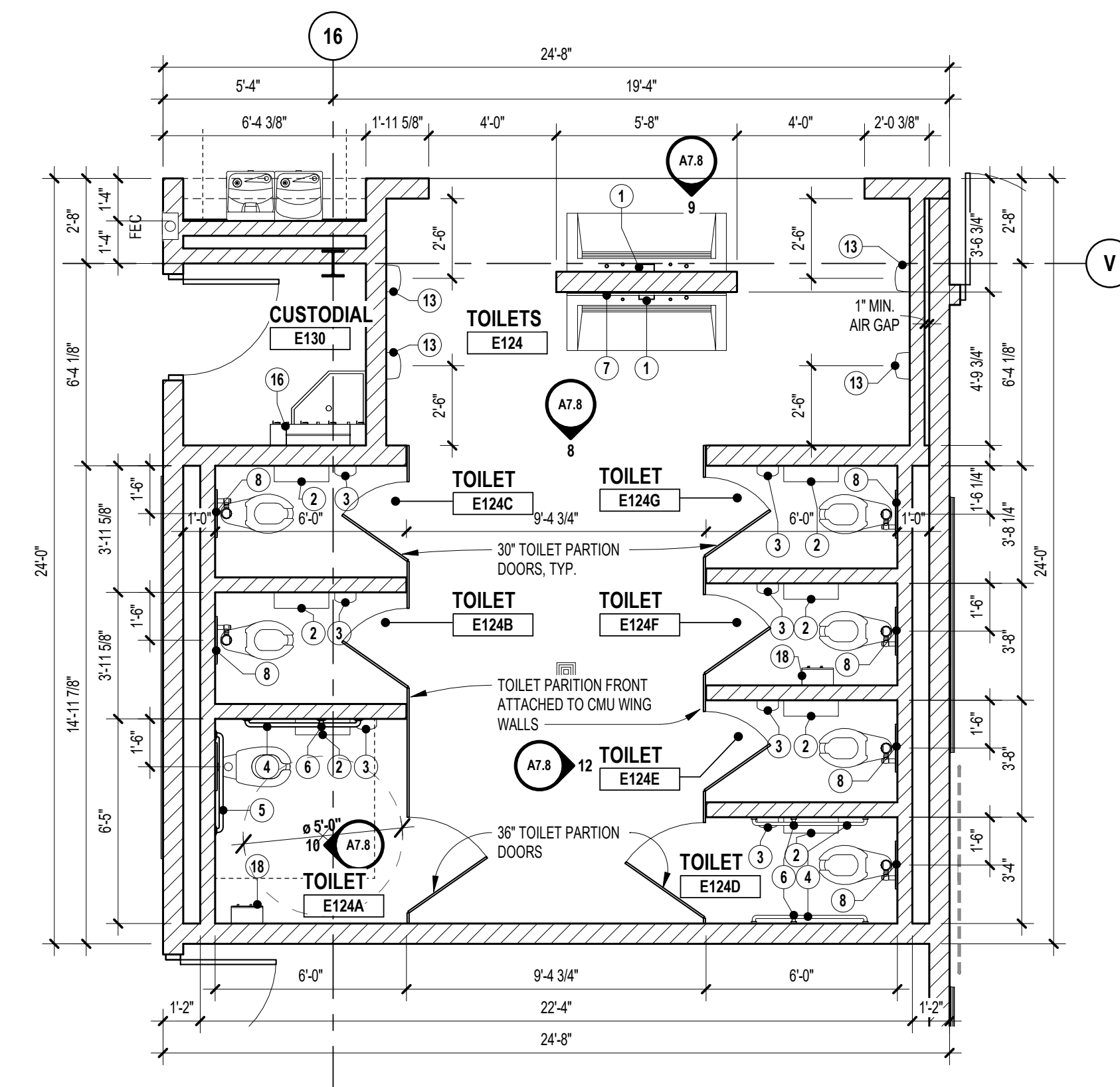
**5** TEACHER COLLAB TOILET  
SCALE: 1/4" = 1'-0"



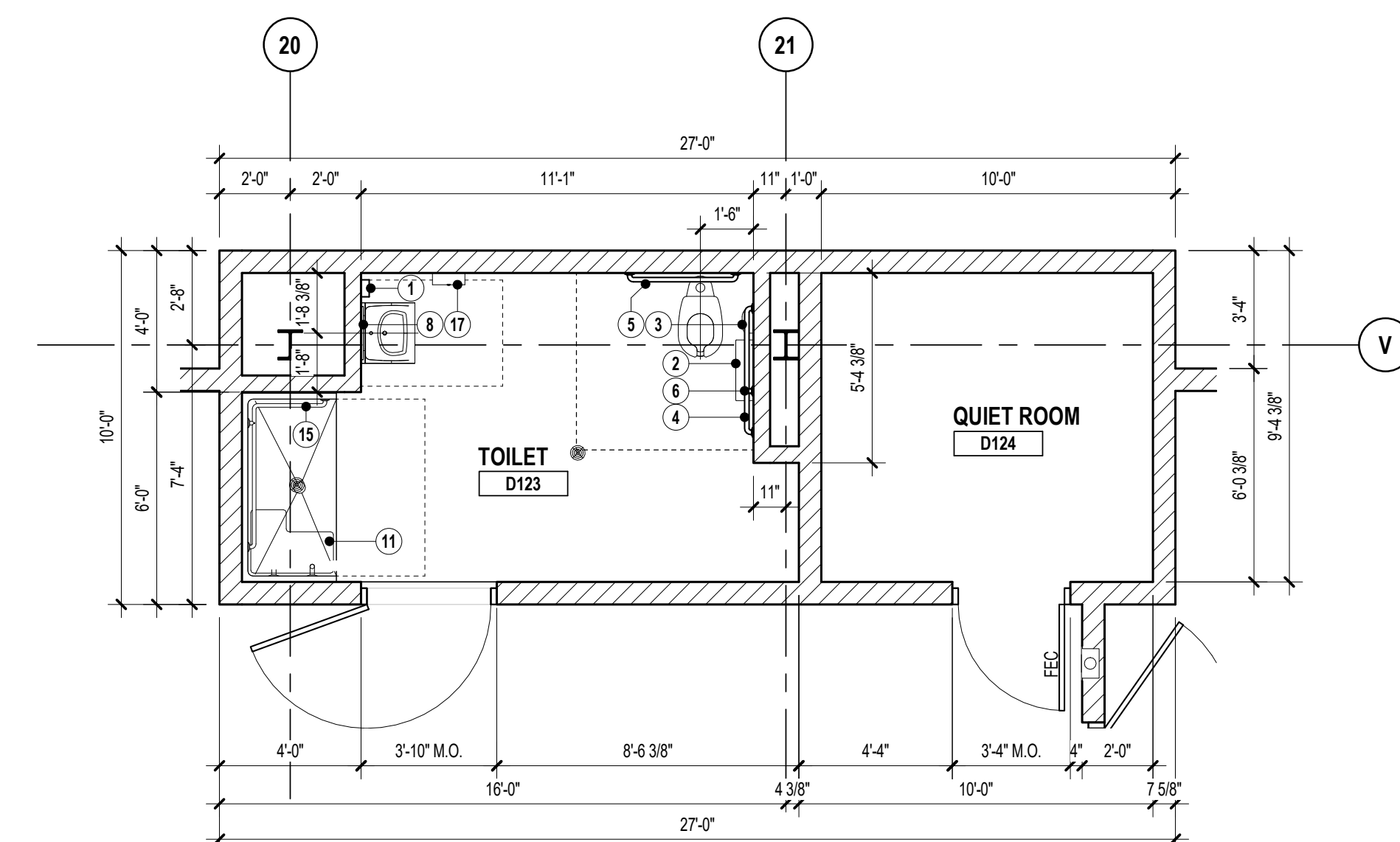
**4** TEACHER COLLAB TOILET  
SCALE: 1/4" = 1'-0"



**3** TEACHER COLLAB TOILET  
SCALE: 1/4" = 1'-0"



**2** LEARNING COMMONS TOILETS  
SCALE: 1/4" = 1'-0"



**1** SPECIAL EDUCATION TOILET  
SCALE: 1/4" = 1'-0"

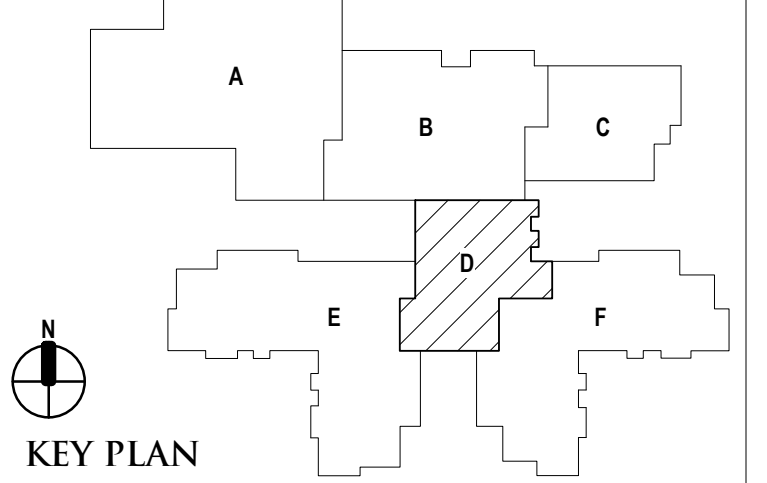
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

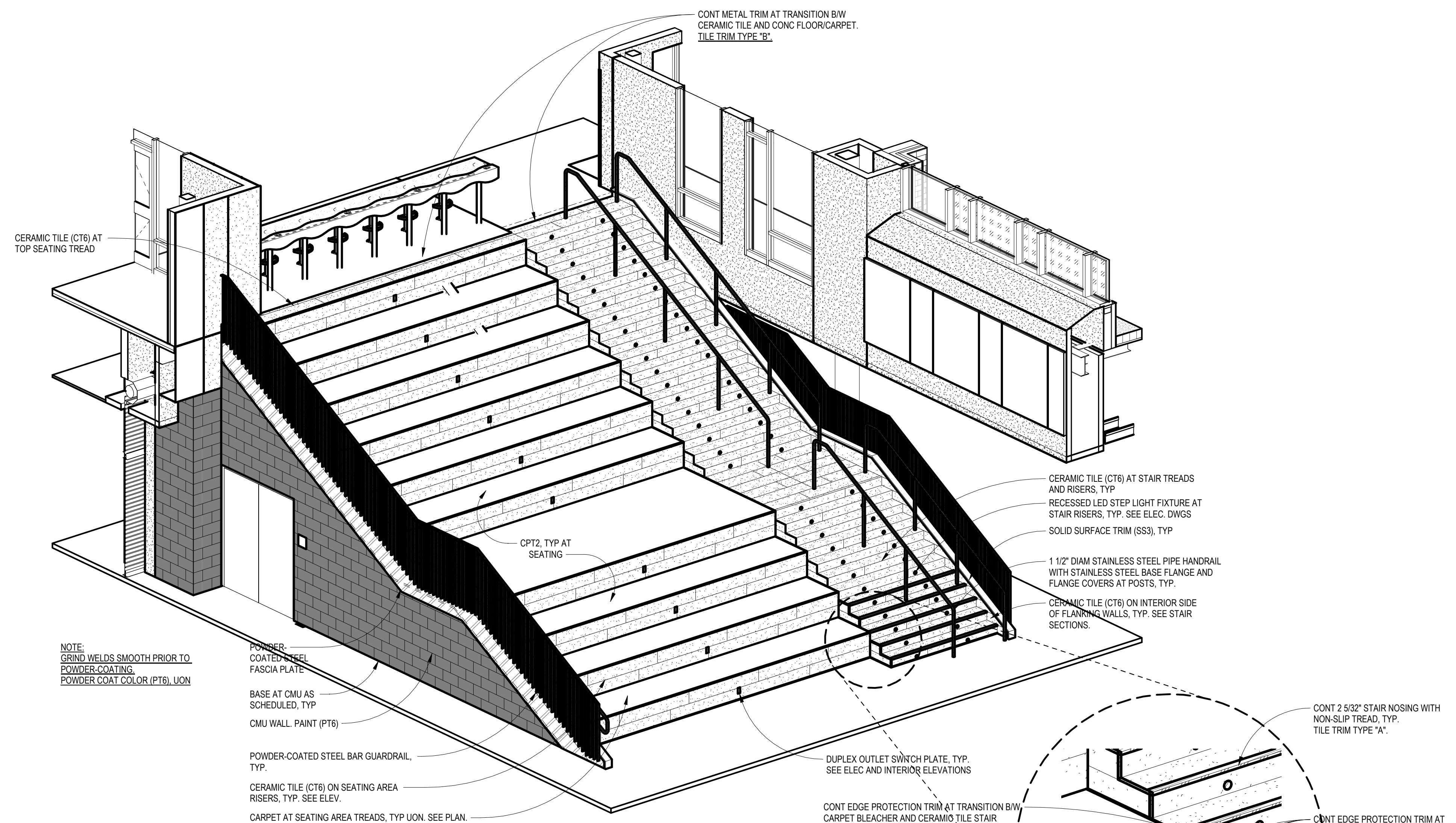
DRAWING TITLE  
**Learning Stair Floor Plans, Elevation and Isometric Views**



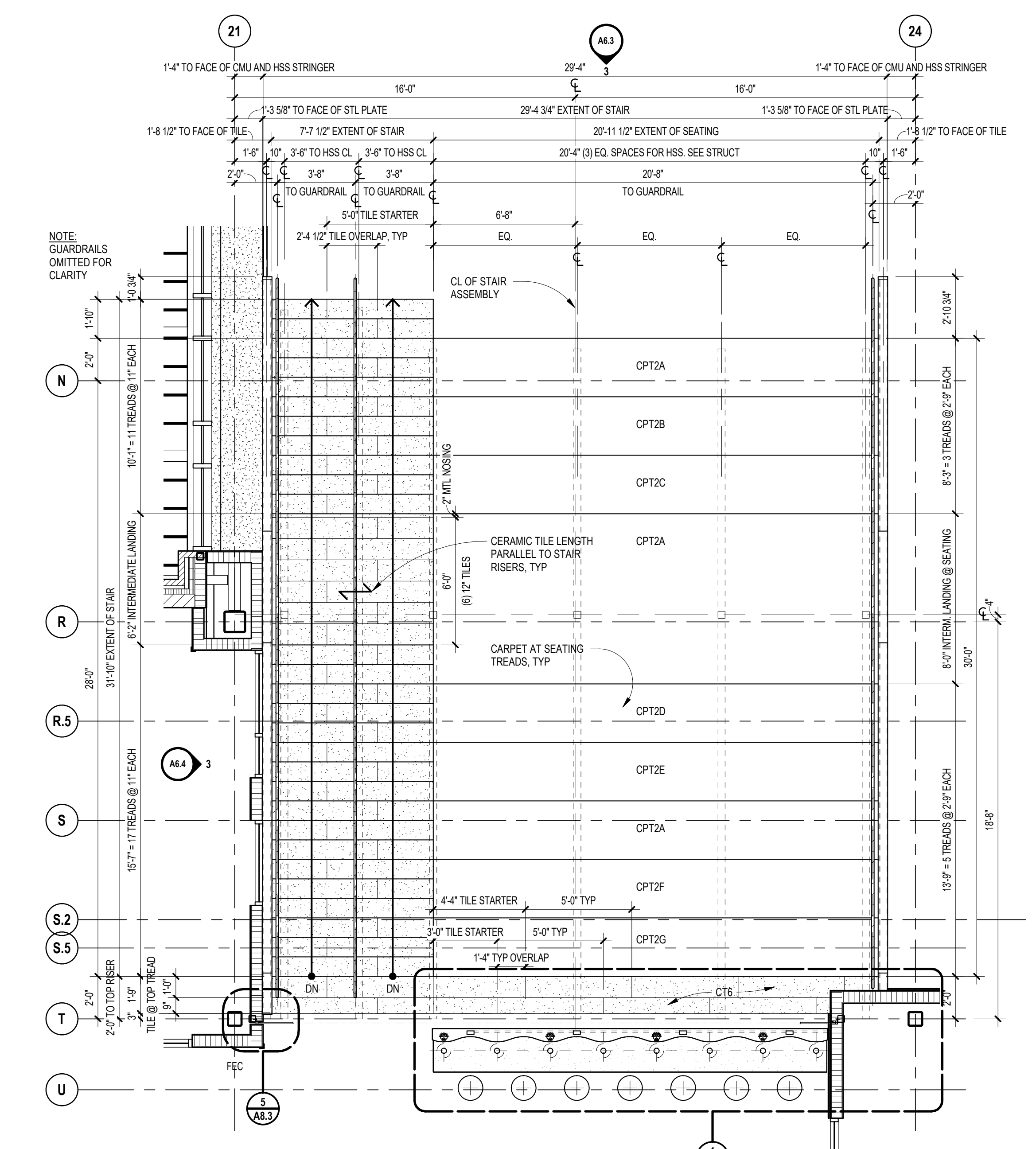
ISSUE DATES

06-18-2024	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:
DRAWN	GM
CHECKED	Checker
APPROVED	Approver

PROJECT NO.  
**22102**  
DRAWING NO.  
**A6.3**

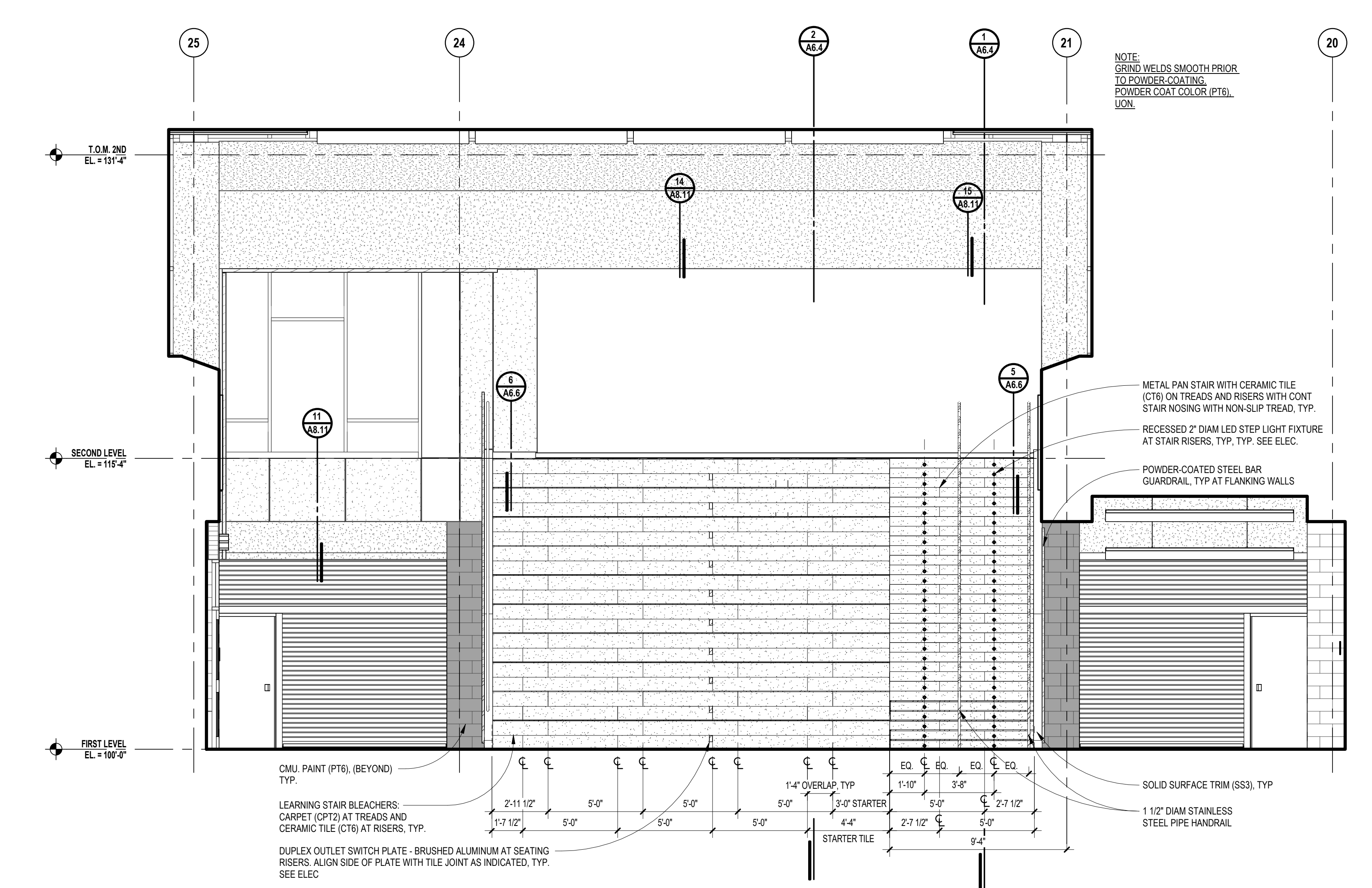


**4 ISOMETRIC VIEW - LEARNING STAIR**  
SCALE:

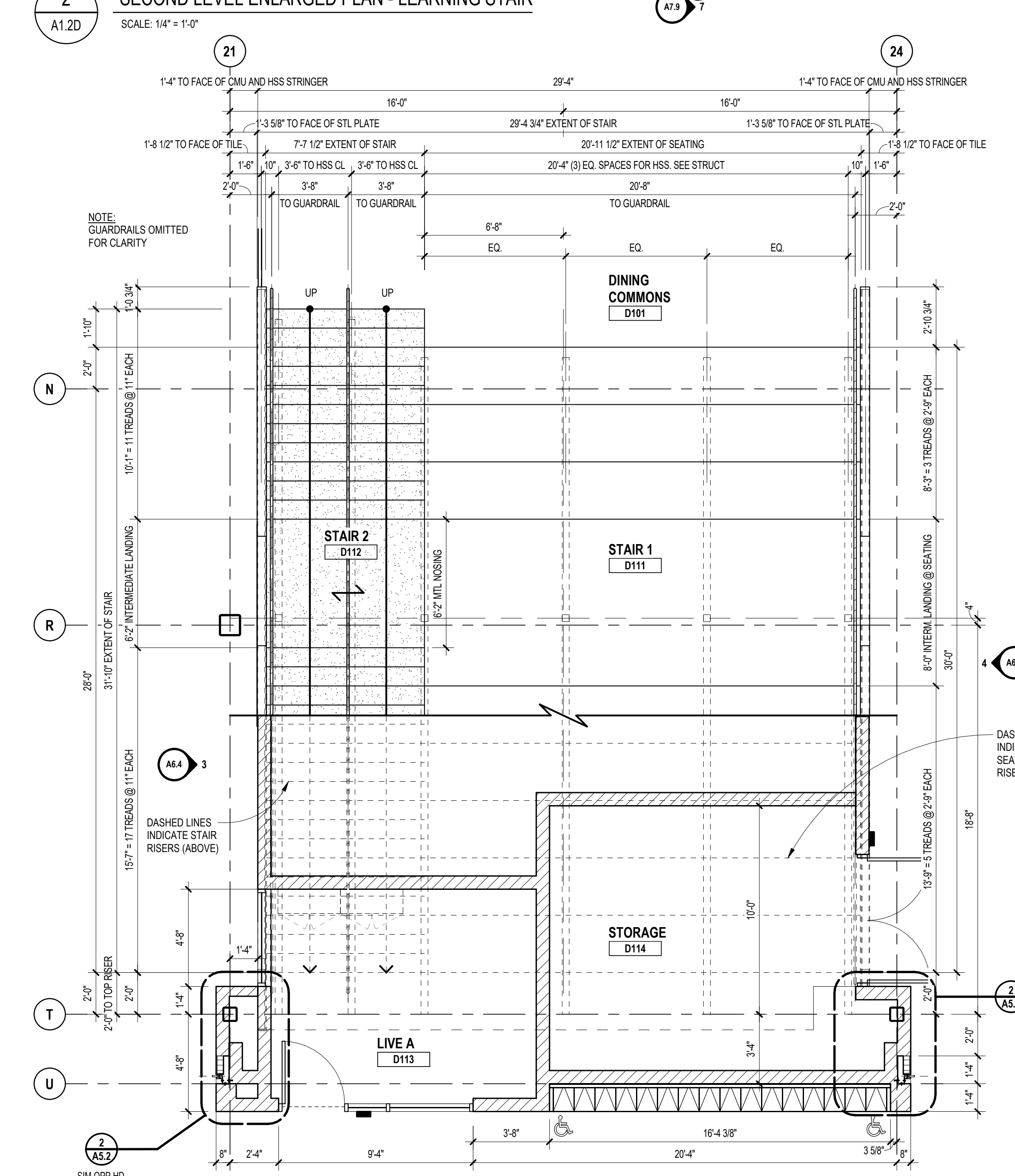


**2 SECOND LEVEL ENLARGED PLAN - LEARNING STAIR**  
SCALE: 1/4" = 1'-0"

**5 ISOMETRIC VIEW - LEARNING STAIR TILE TRIMS, TYP**  
SCALE:



**3 INTERIOR ELEVATION - LEARNING STAIR - NORTH**  
SCALE: 1/4" = 1'-0"



**1 FIRST LEVEL ENLARGED PLAN - LEARNING STAIR**  
SCALE: 1/4" = 1'-0"

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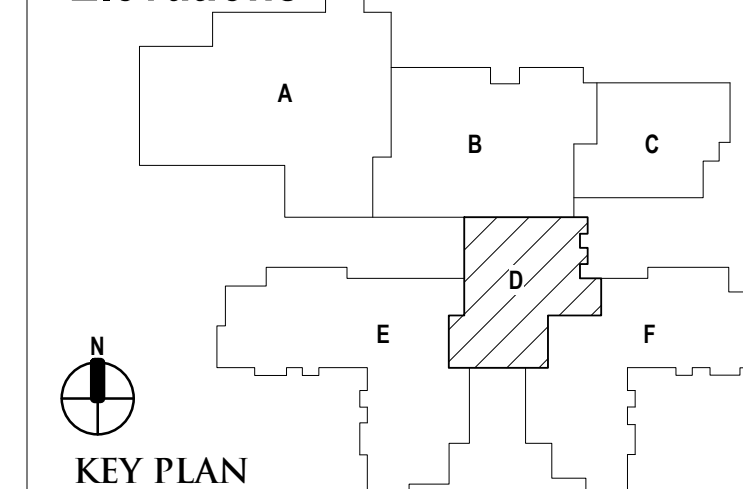
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Learning Stair Sections and Elevations**

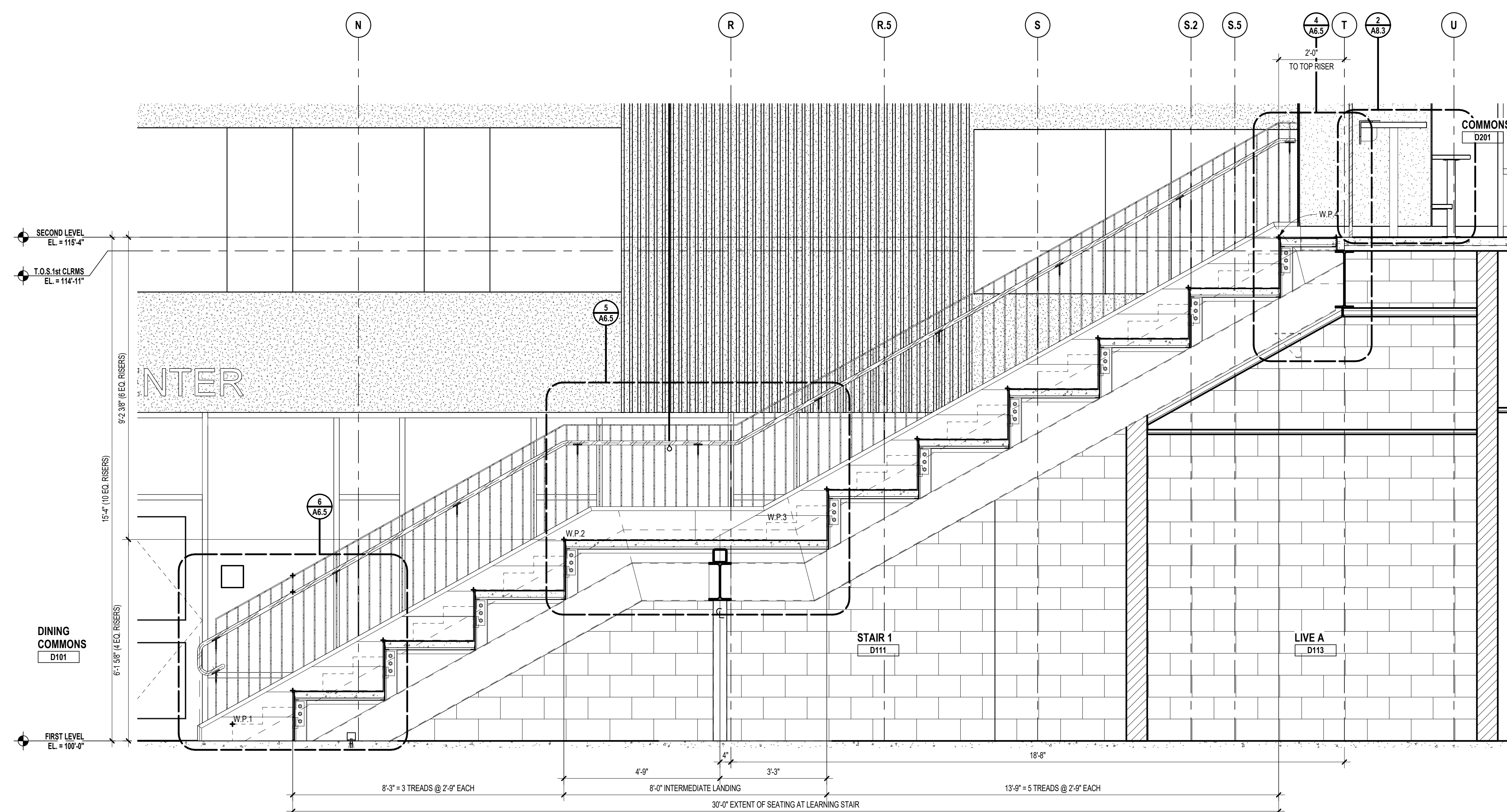


ISSUE DATES

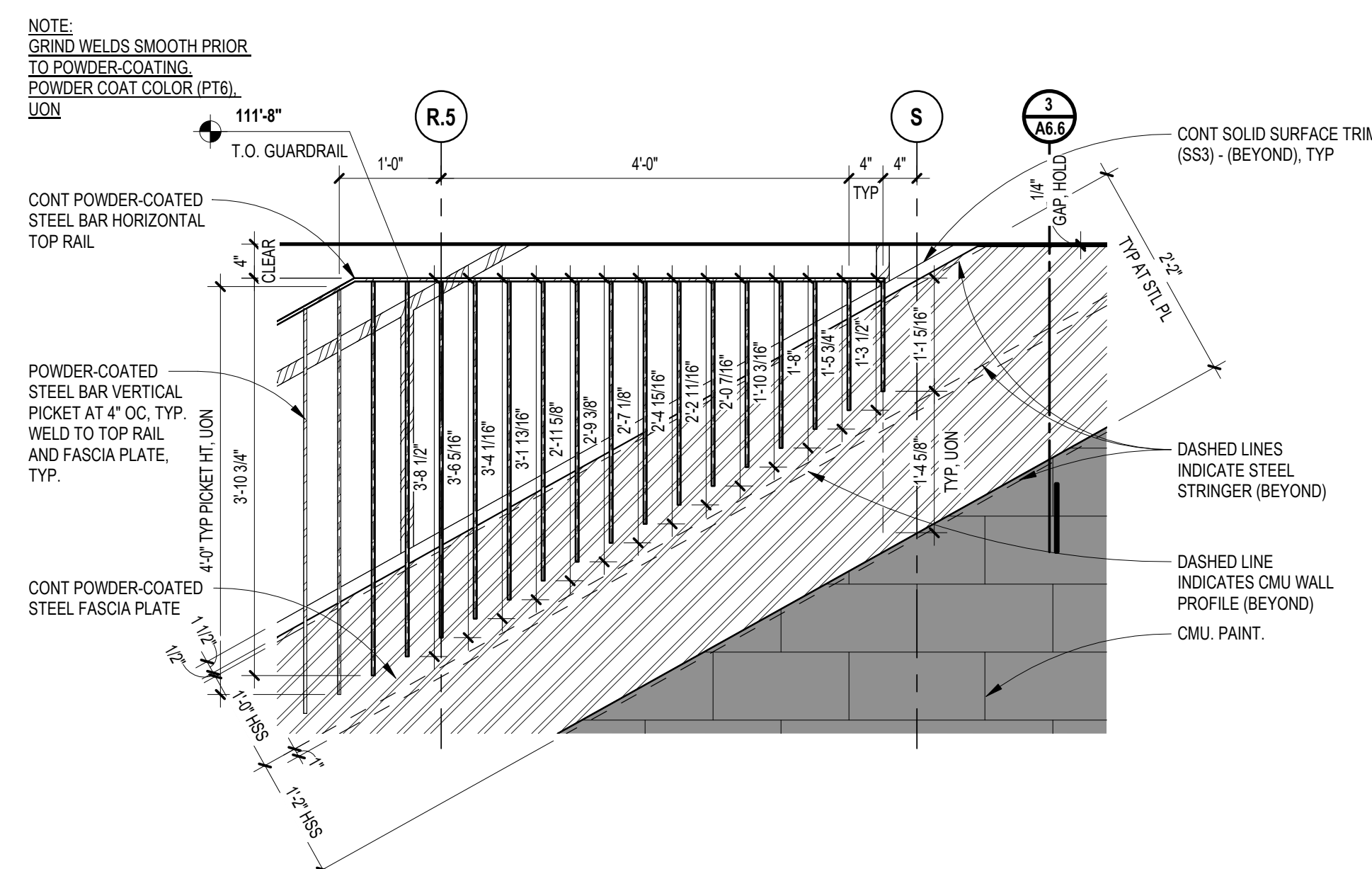
DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS

PROJECT NO.  
**22102**

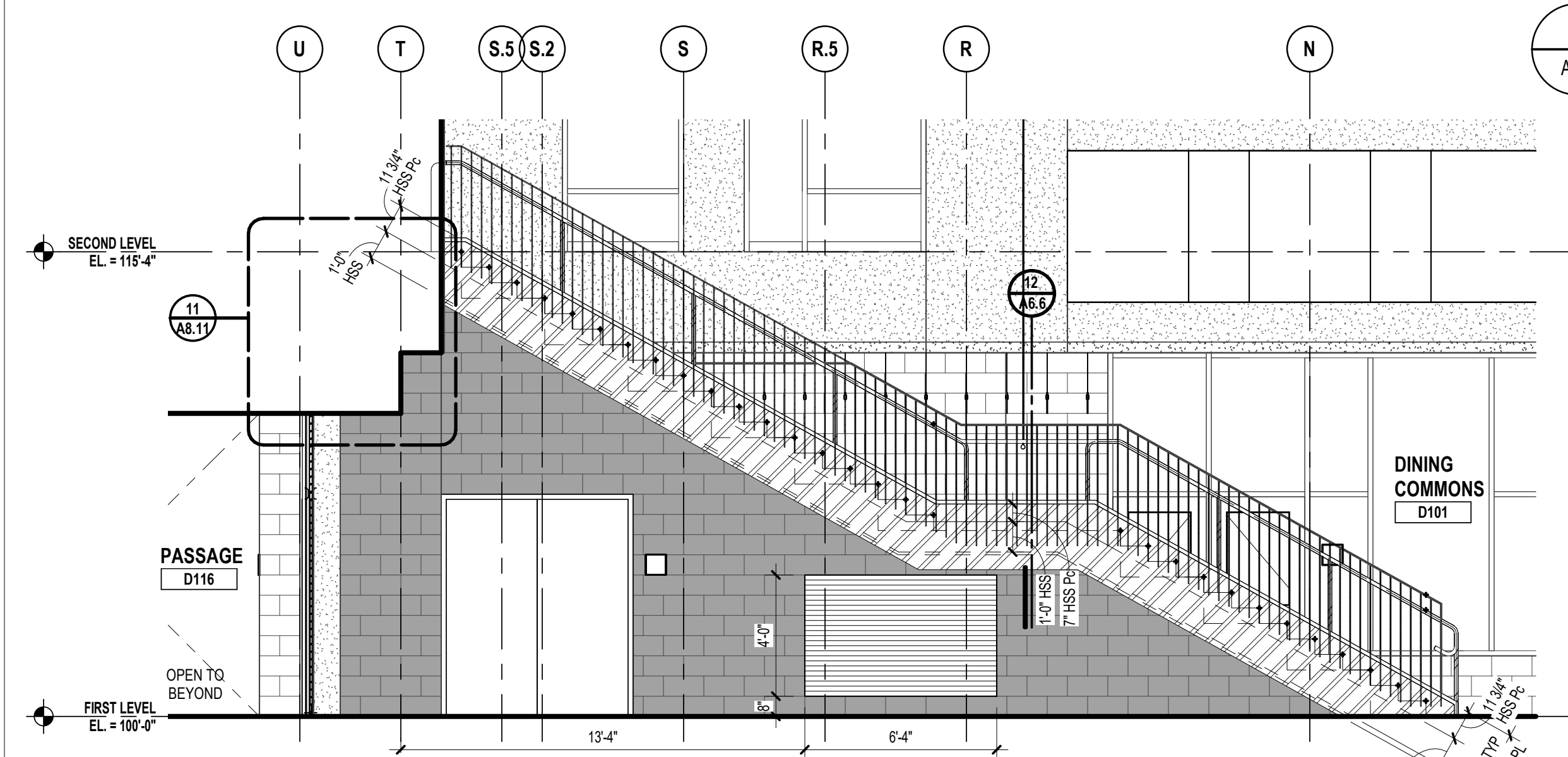
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**A6.4**



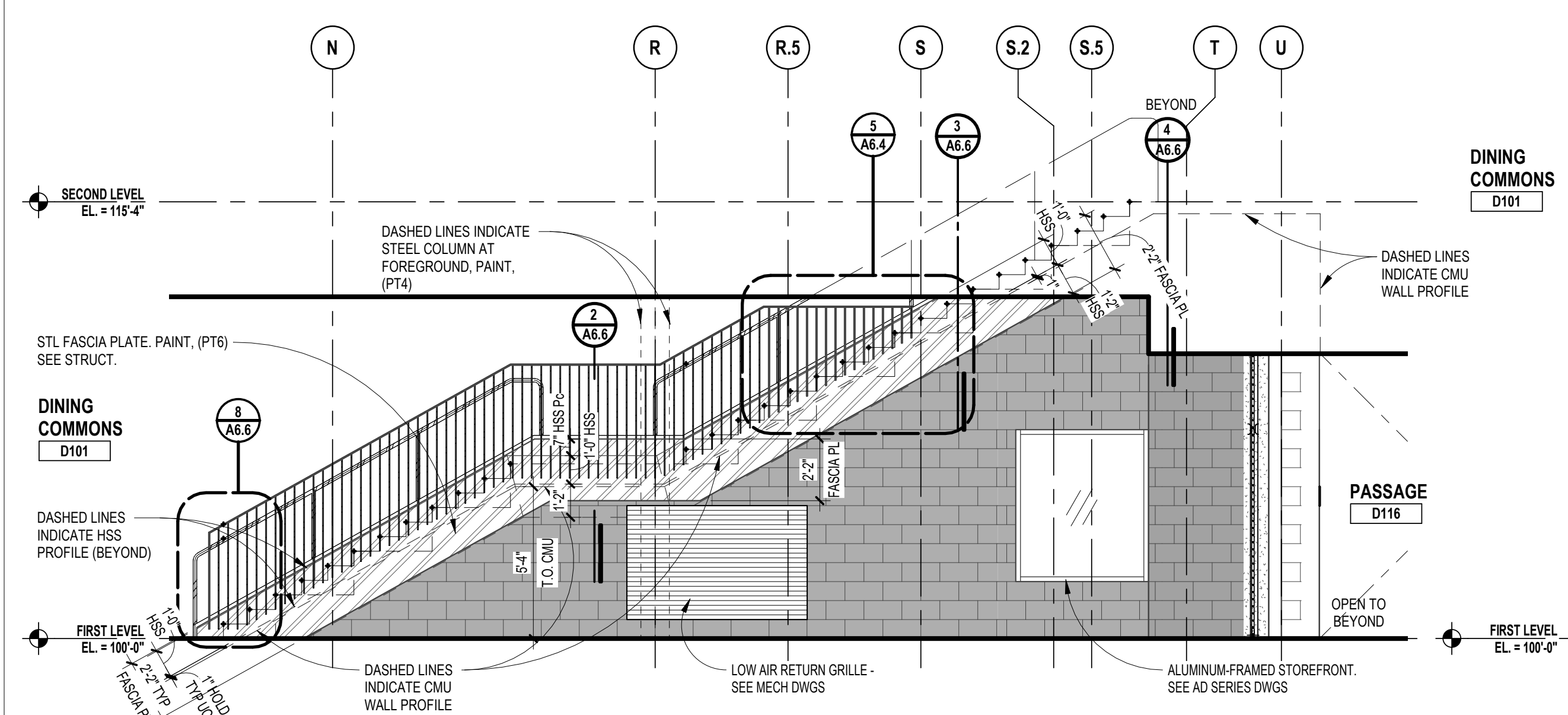
**2** LONGITUDINAL LEARNING SEATING SECTION  
SCALE: 1/2" = 1'-0"



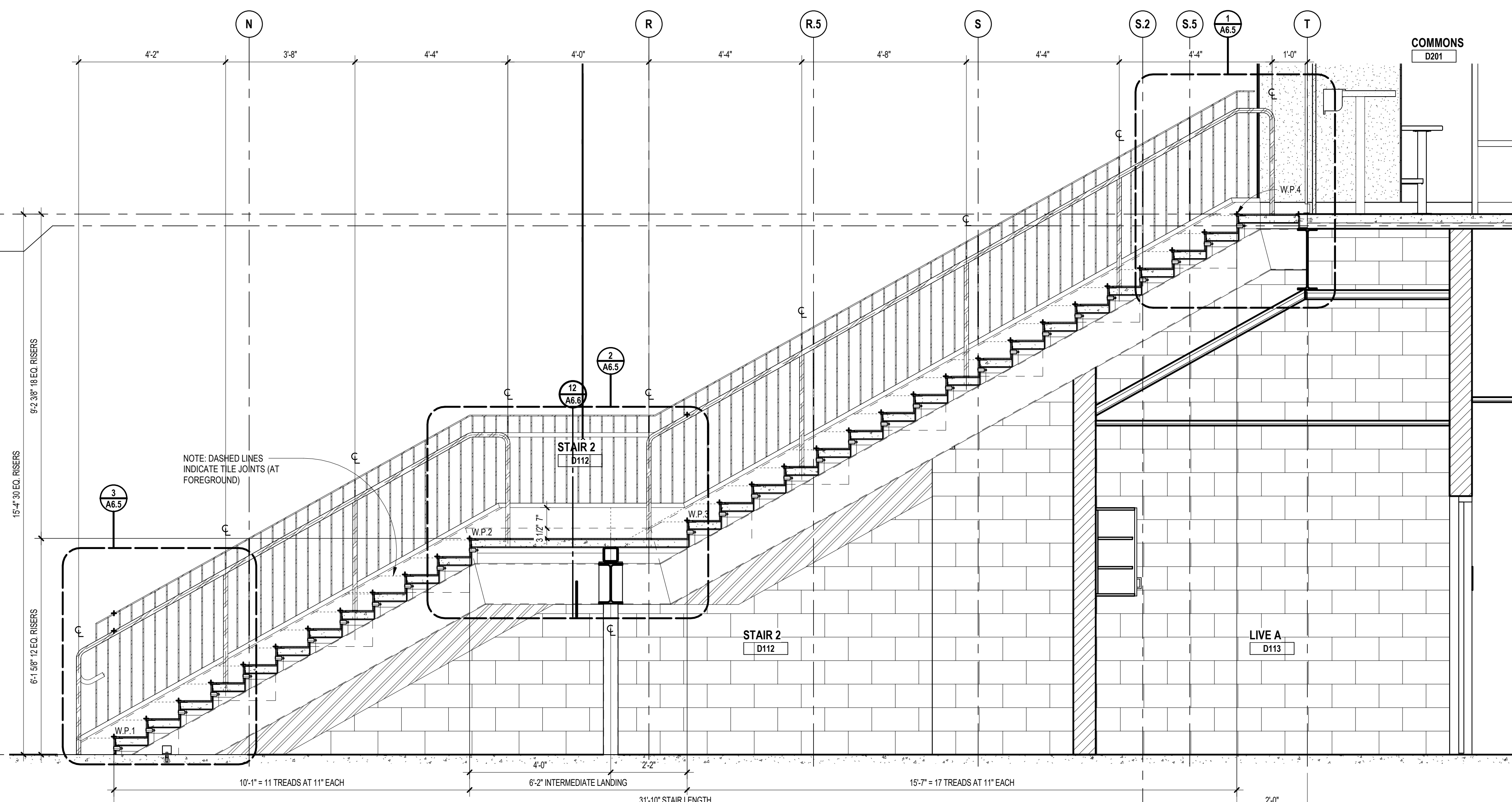
**5** ENLARGED INTERIOR ELEVATION - LEARNING STAIR - EAST  
SCALE: 3/4" = 1'-0"



**4** INTERIOR ELEVATION - LEARNING STAIR - WEST  
SCALE: 1/4" = 1'-0"



**3** INTERIOR ELEVATION - LEARNING STAIR - EAST  
SCALE: 1/4" = 1'-0"



**1** LONGITUDINAL LEARNING STAIR SECTION  
SCALE: 1/2" = 1'-0"



TMP ARCHITECTURE INC  
 1191 WEST SQUARE LAKE ROAD  
 BLOOMFIELD HILLS, MICHIGAN 48302  
 PH: 248.338.4544 FX: 248.338.0223  
 EM: INFO@TMP-ARCHITECTURE.COM

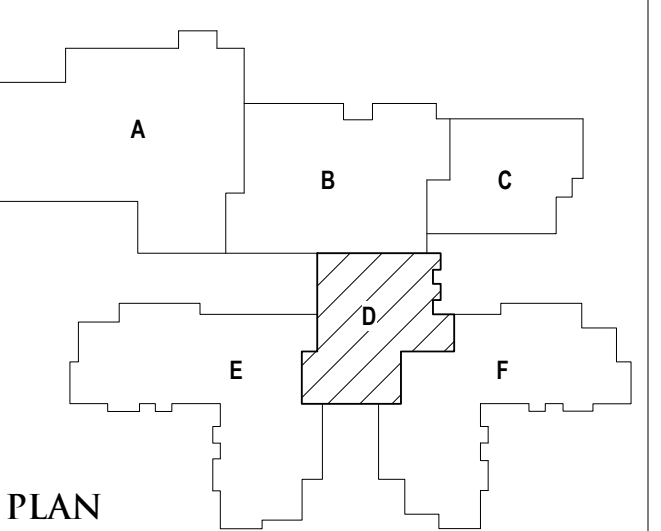
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CONSULTANT

PROJECT TITLE  
**NEW SMITH  
 MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

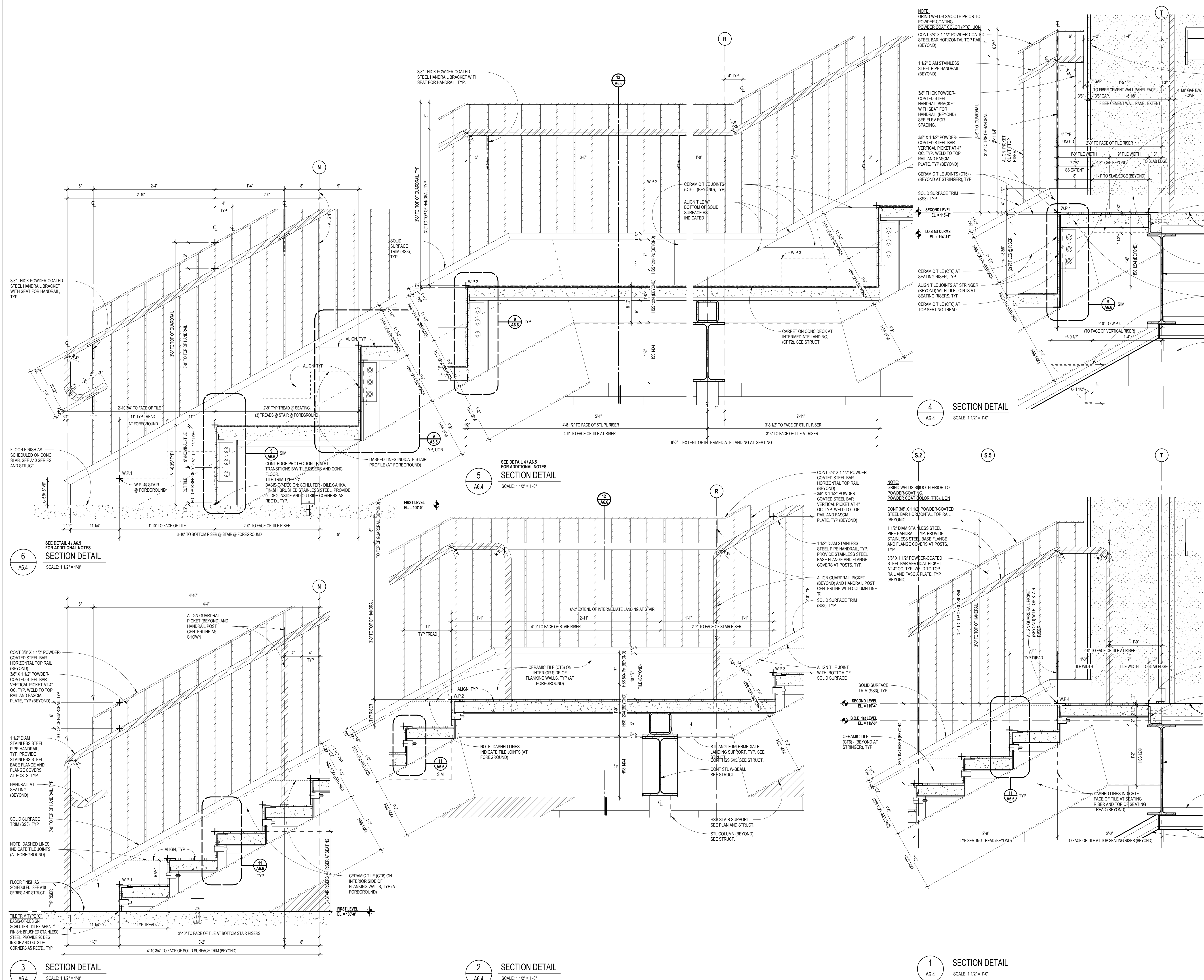
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 DATE: ISSUED FOR:  
 DRAWN: GM  
 CHECKED: Checker  
 APPROVED: Approver

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**22102**  
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**A6.5**



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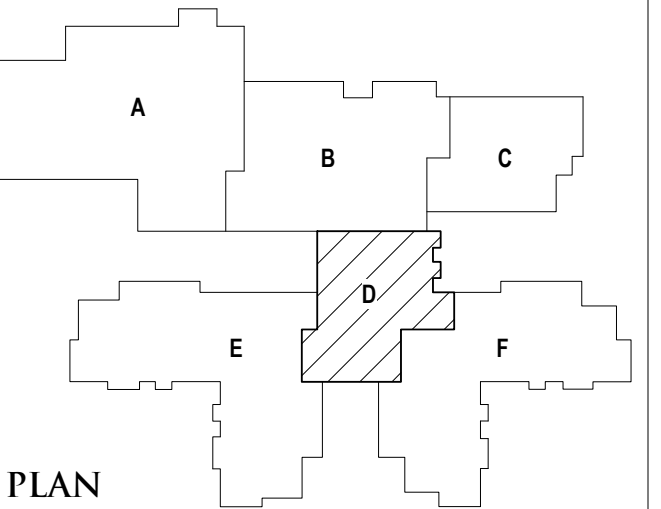
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CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Learning Stair Section Details**



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DRAWN: GM

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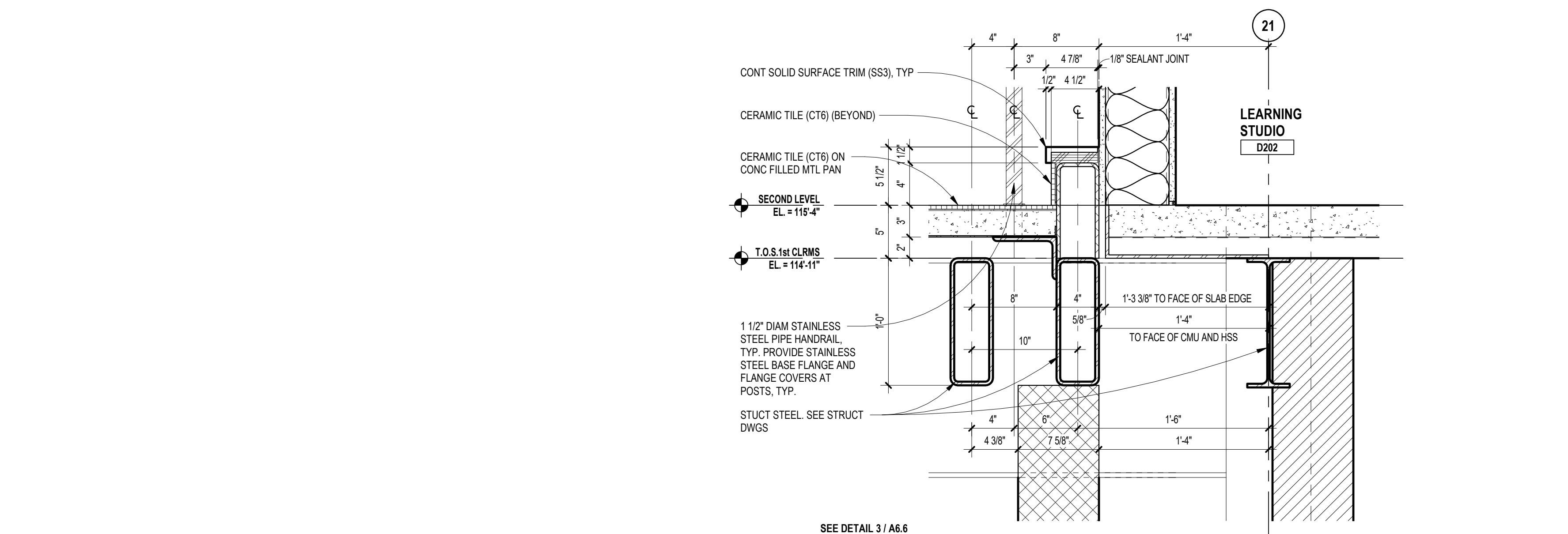
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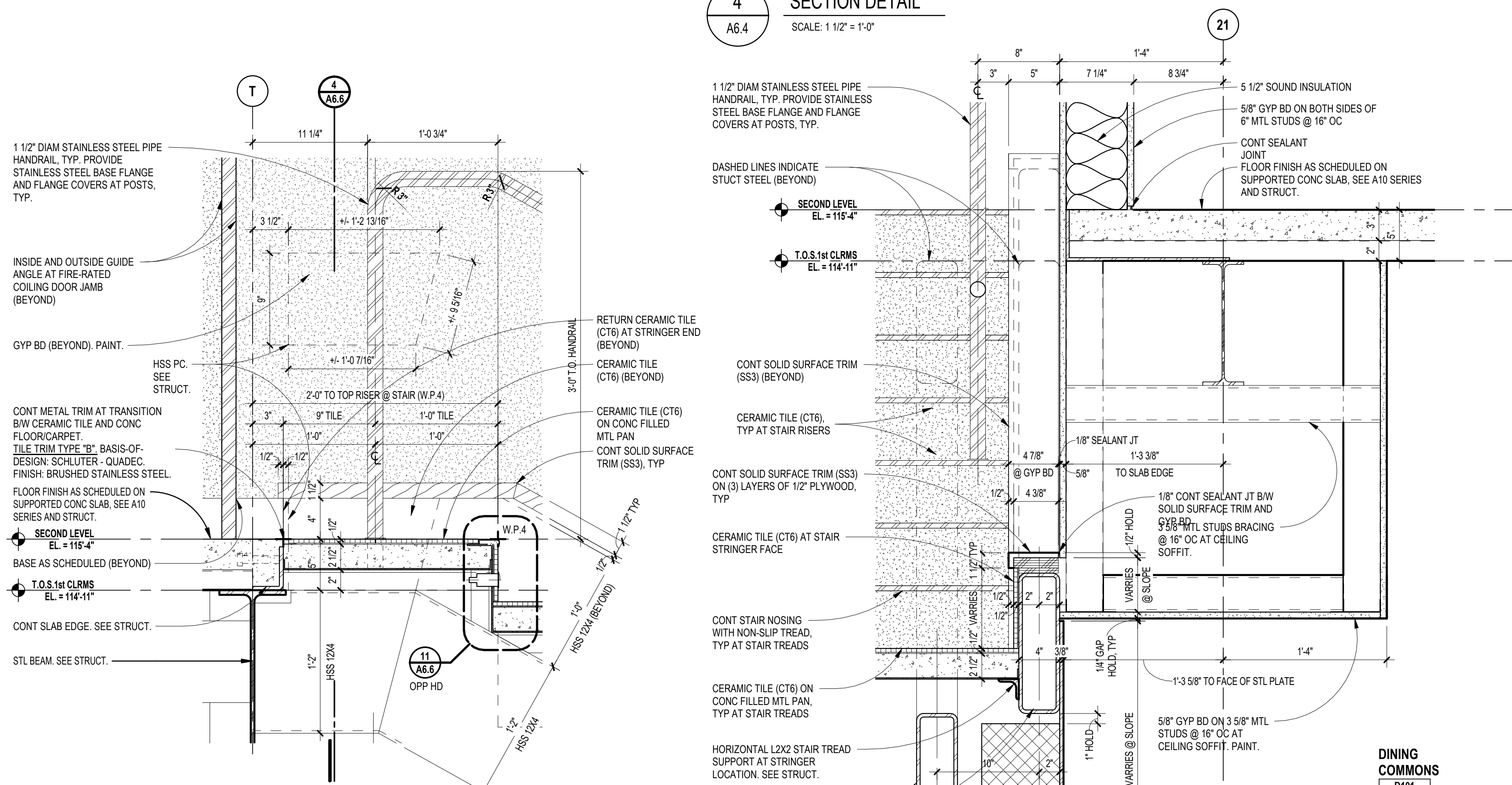
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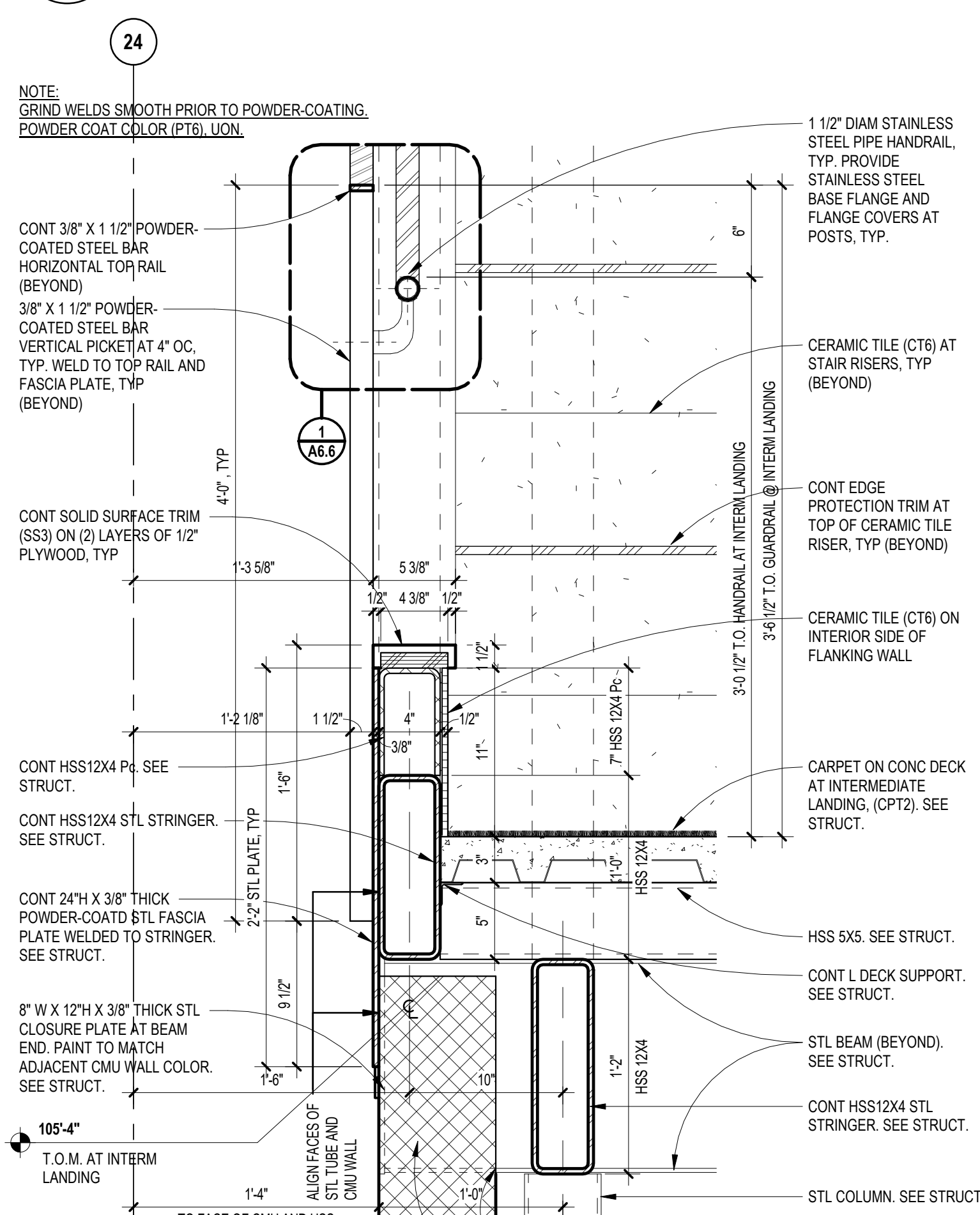
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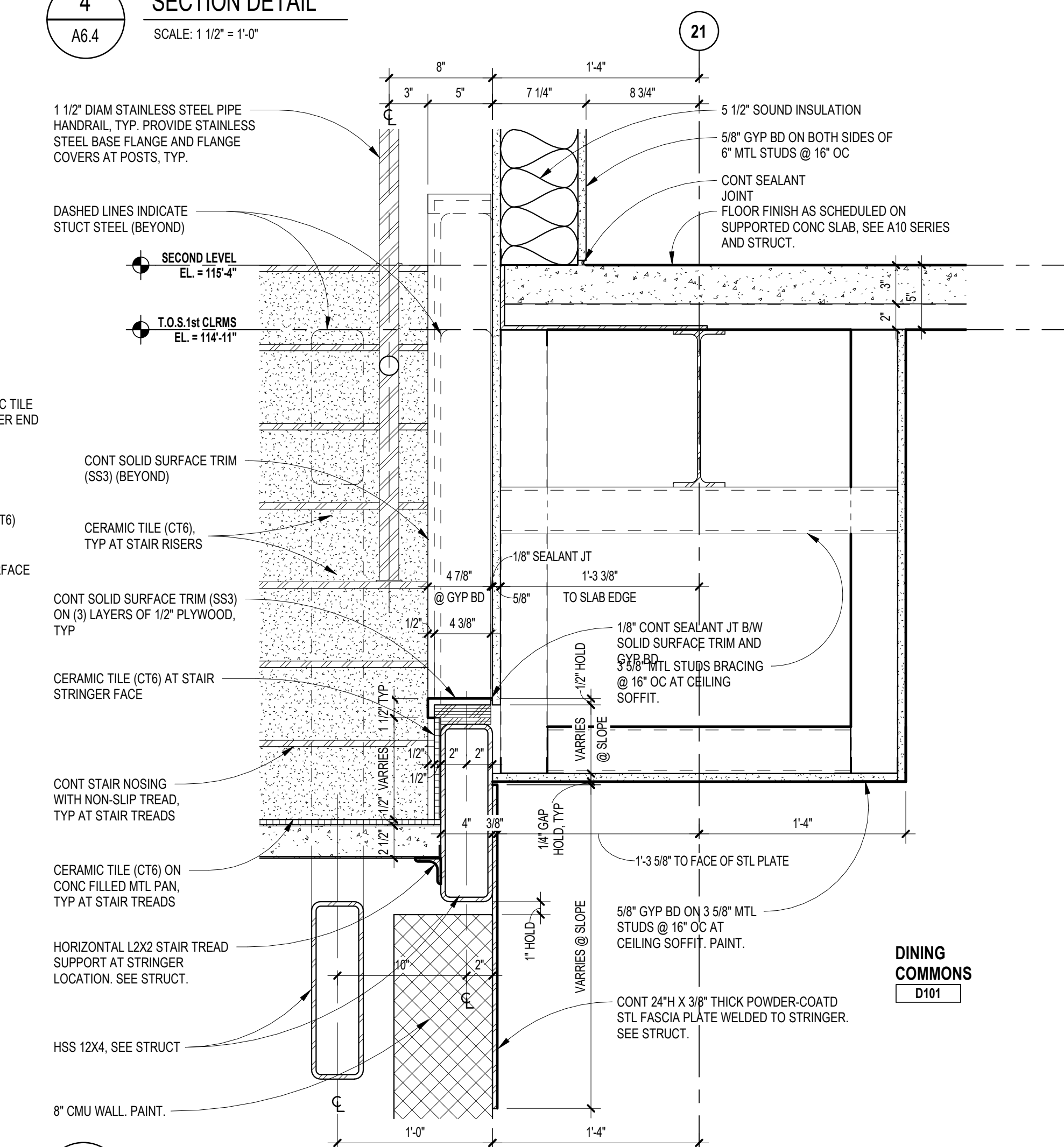
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A6.4  
SCALE: 1/12" = 1'-0"



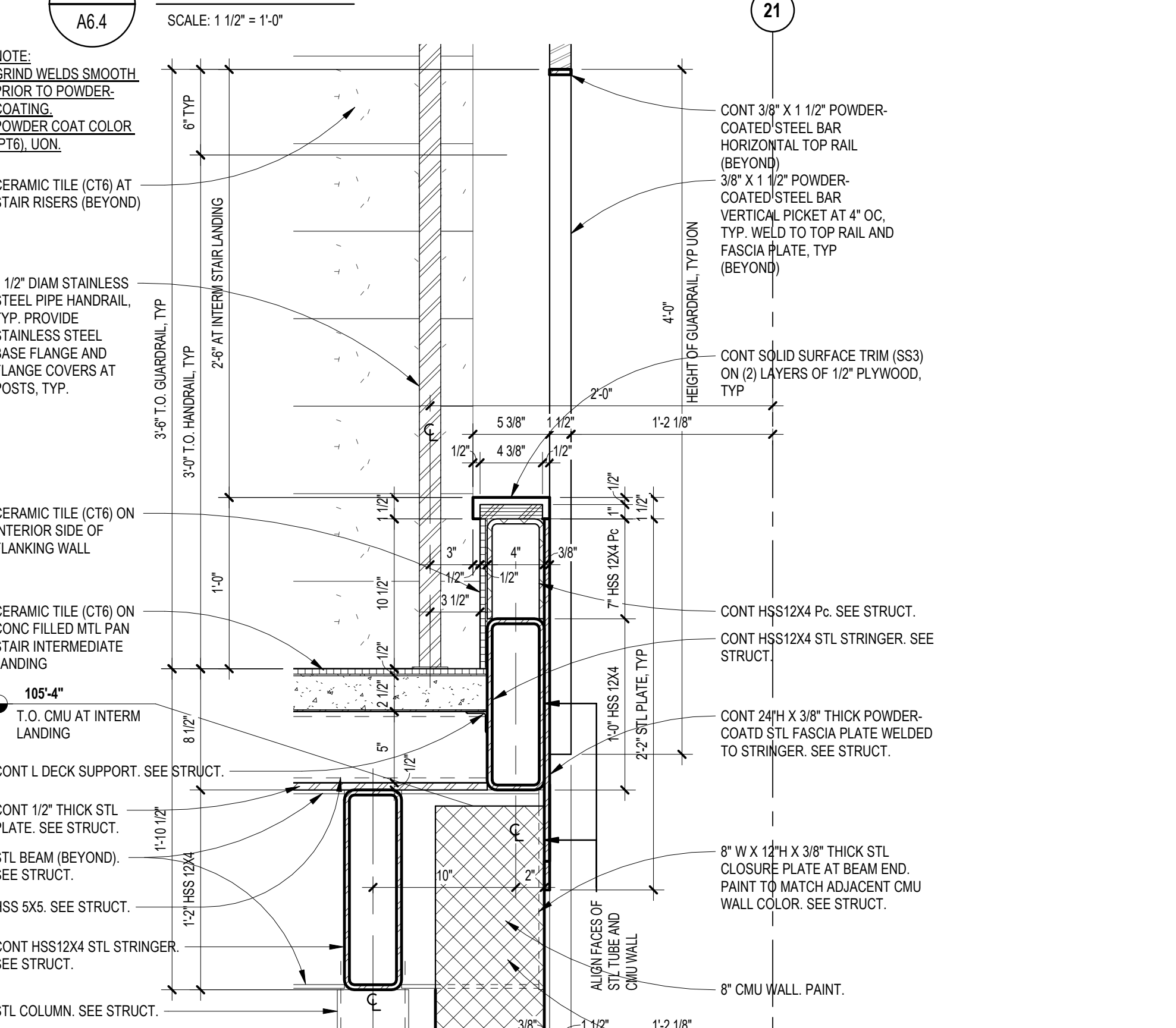
SECTION DETAIL @ LEARNING STAIR - TOP RISER  
5  
A6.3  
SCALE: 1/12" = 1'-0"



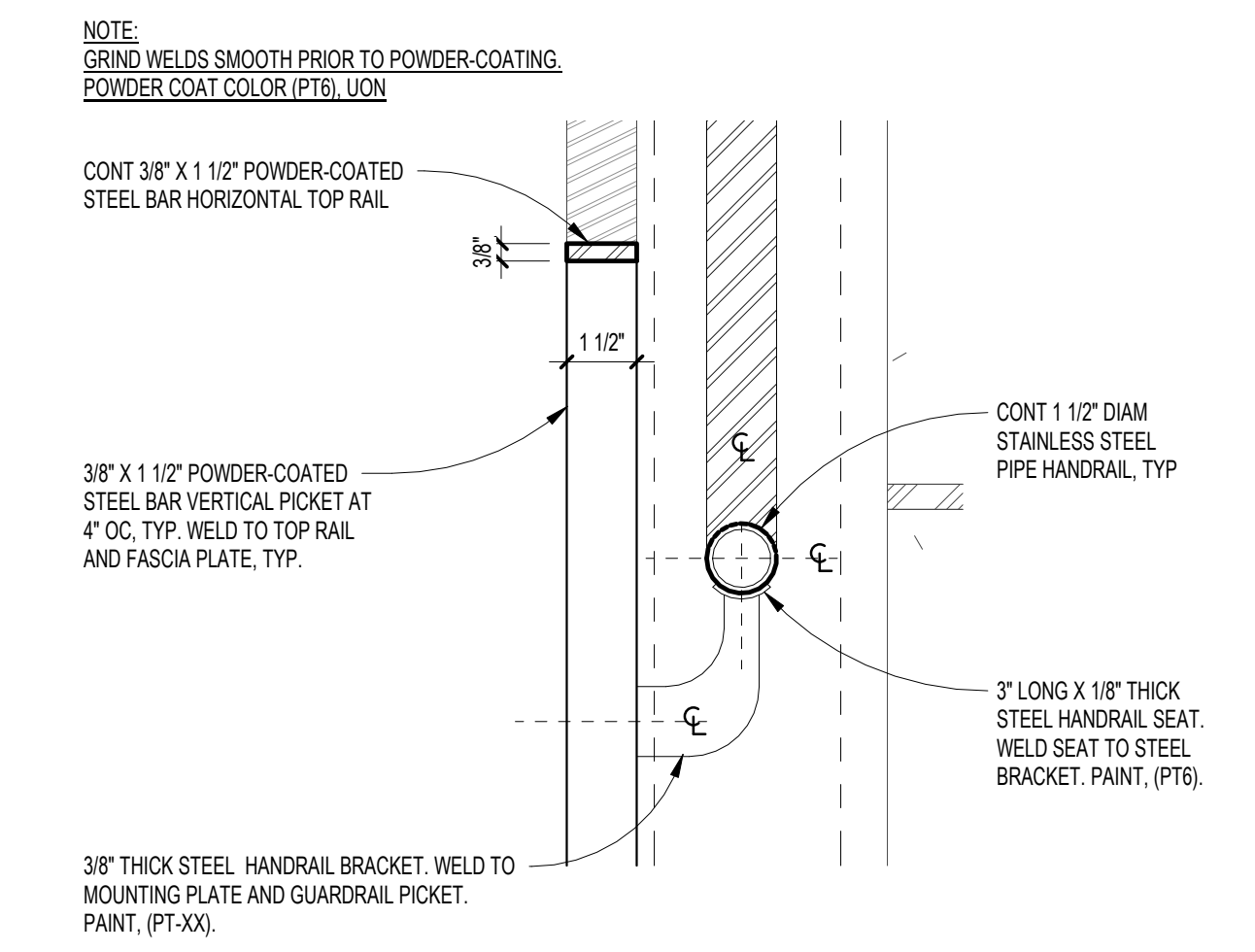
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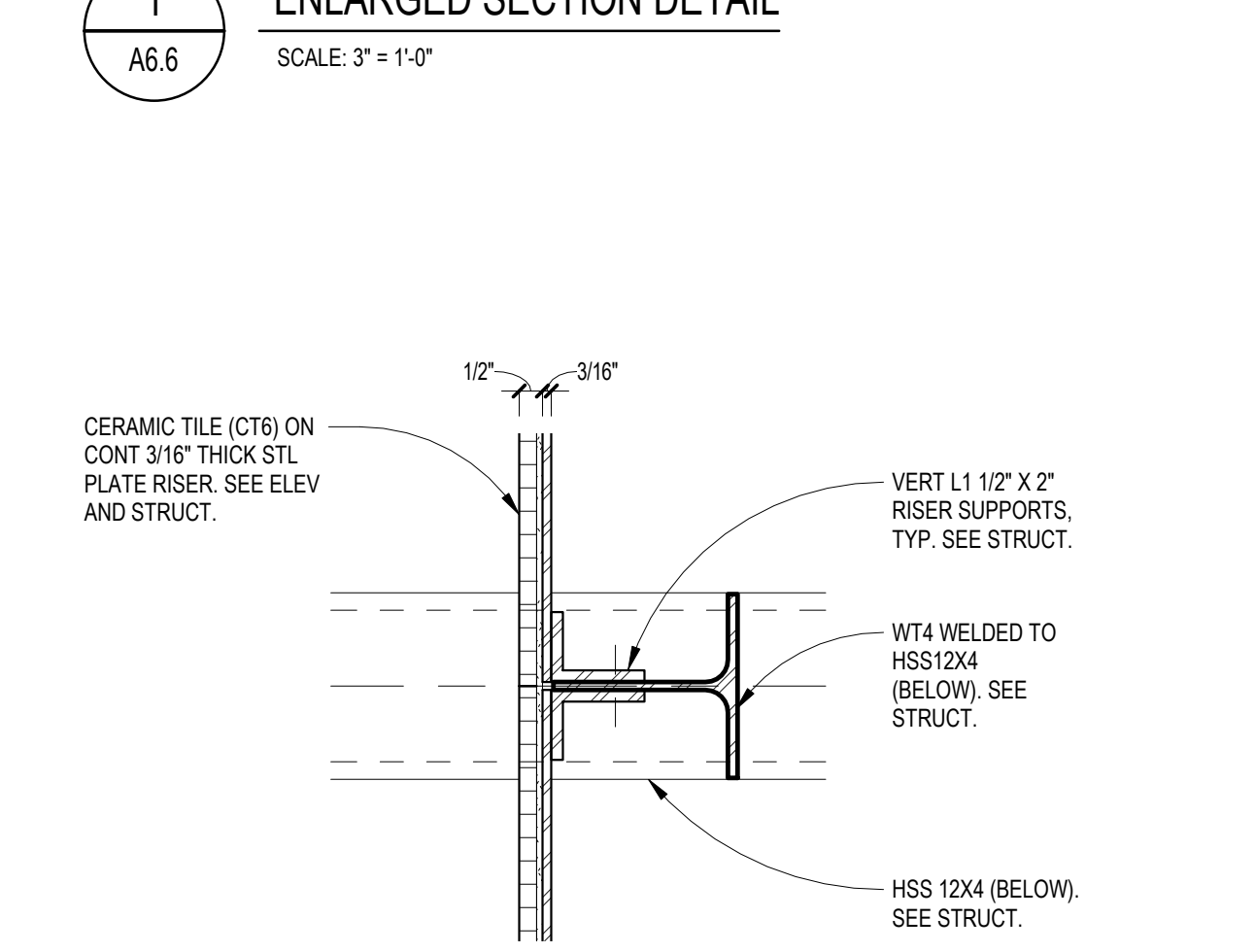
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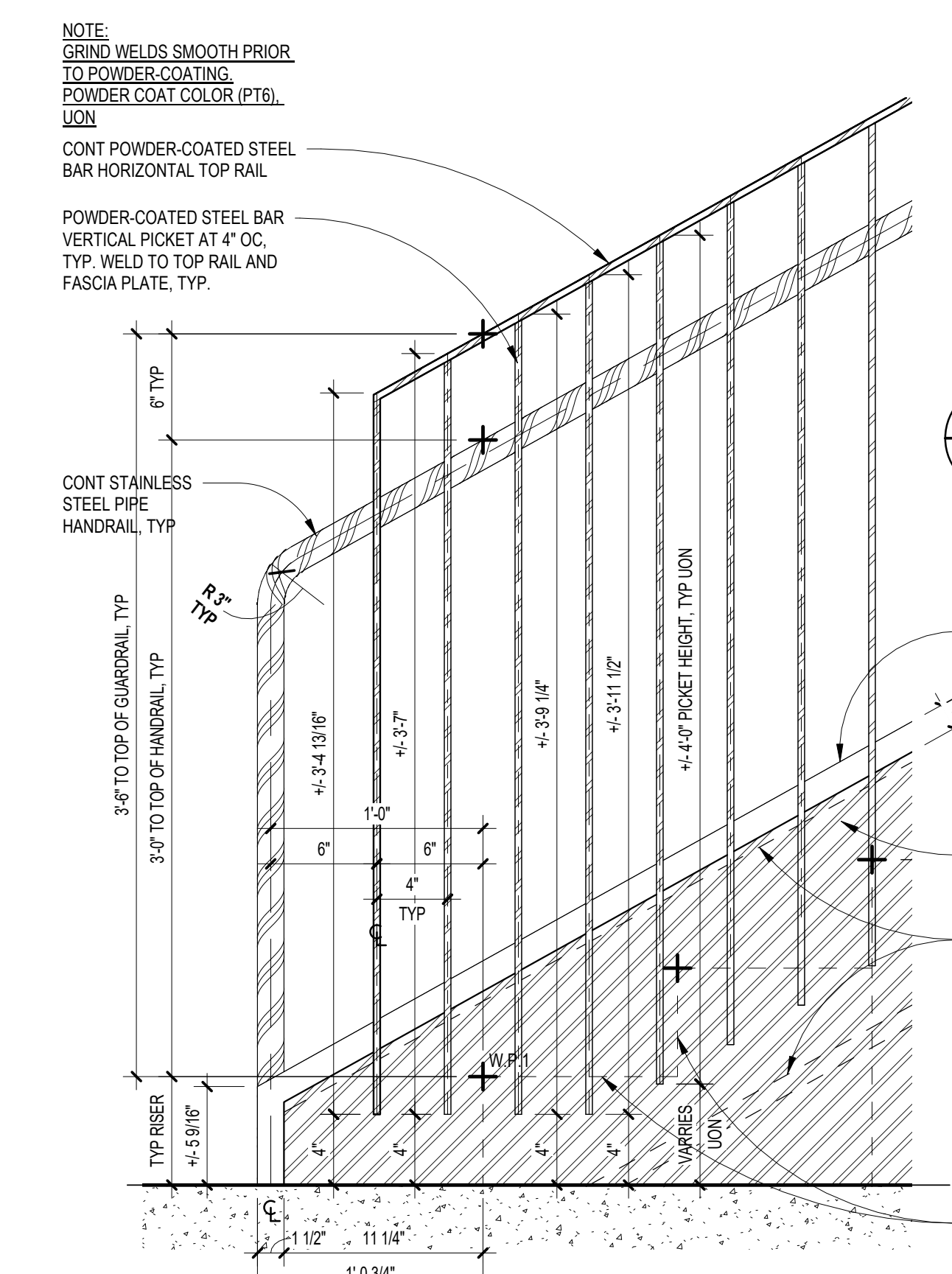
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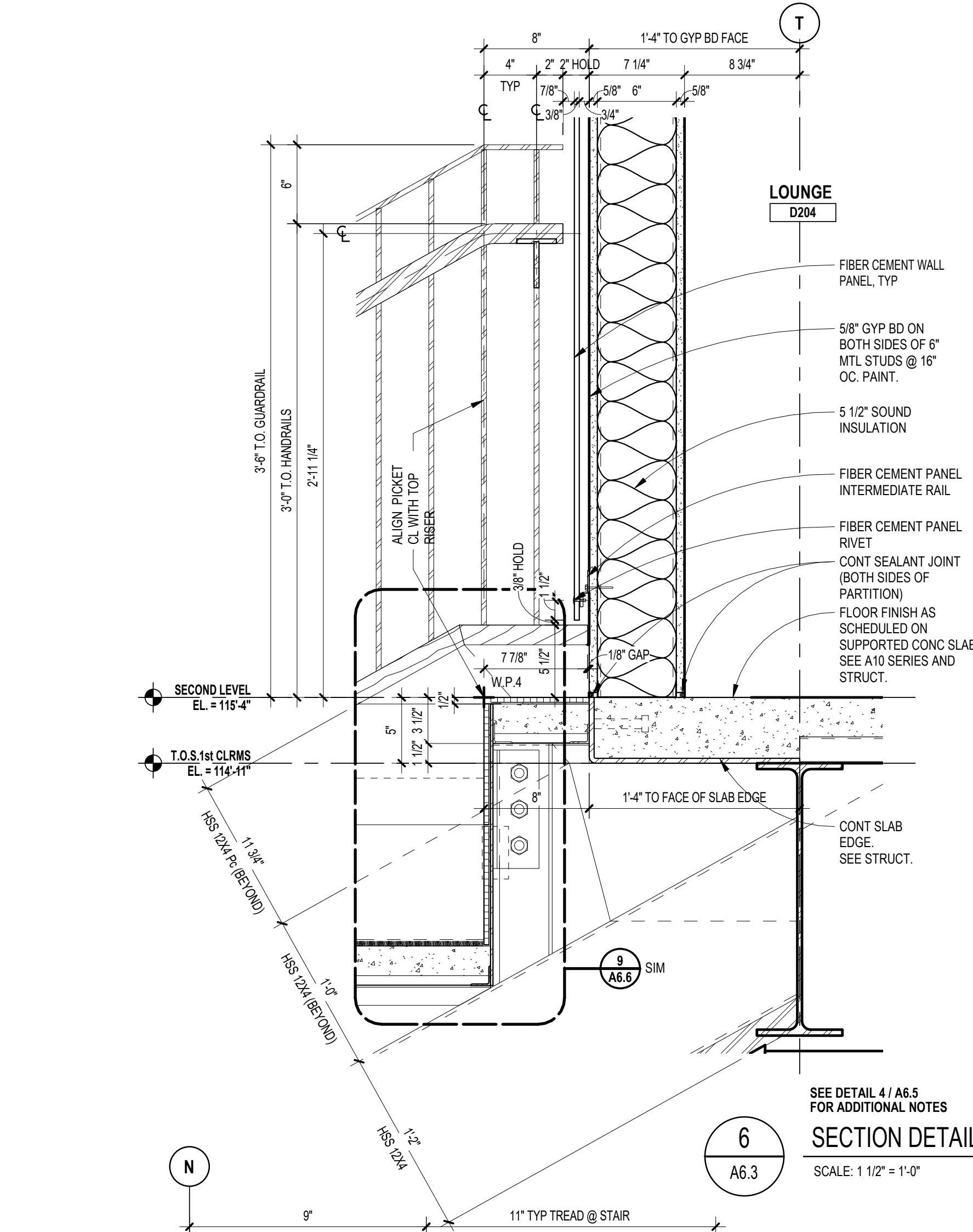
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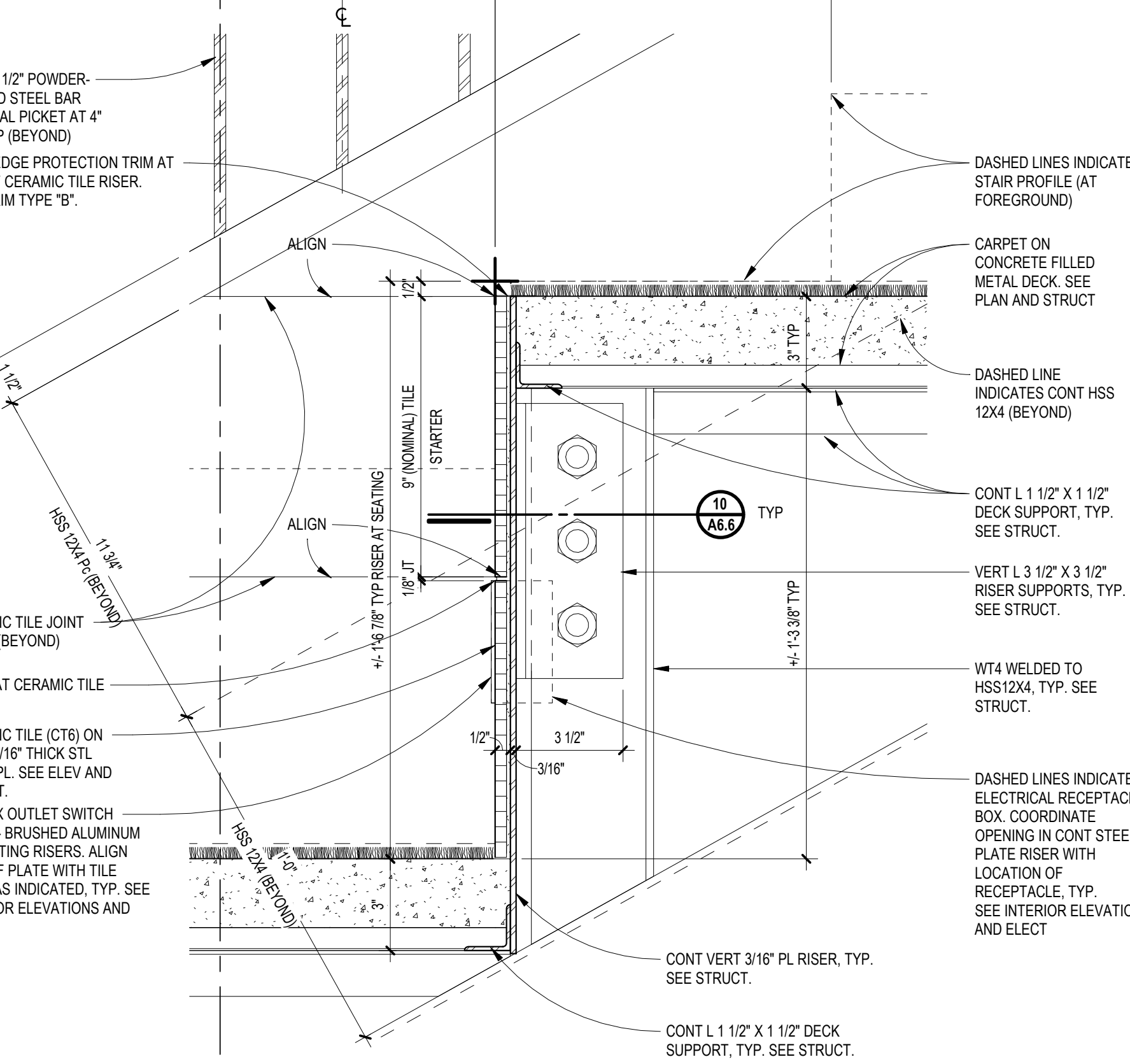
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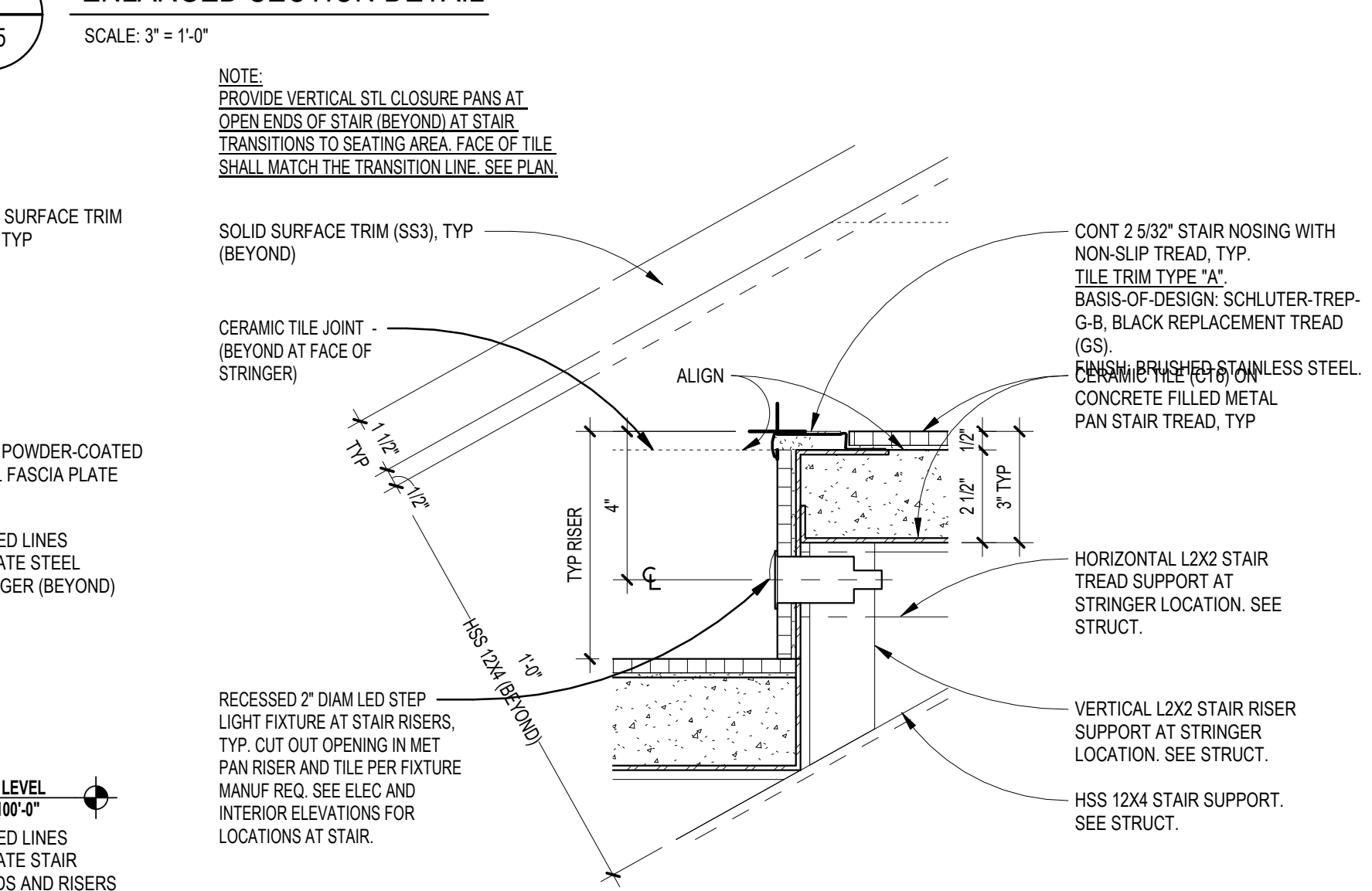
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A6.4  
SCALE: 1/12" = 1'-0"



SECTION DETAIL  
6  
A6.3  
SCALE: 1/12" = 1'-0"



ENLARGED SECTION DETAIL  
9  
A6.5  
SCALE: 3" = 1'-0"



ENLARGED SECTION DETAIL  
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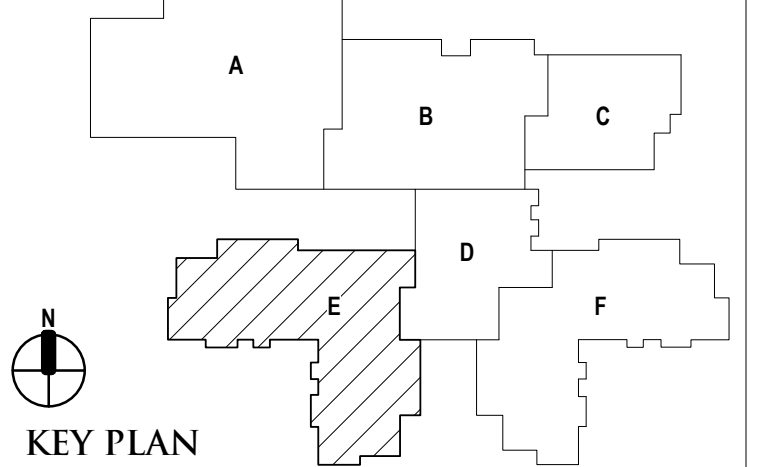
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

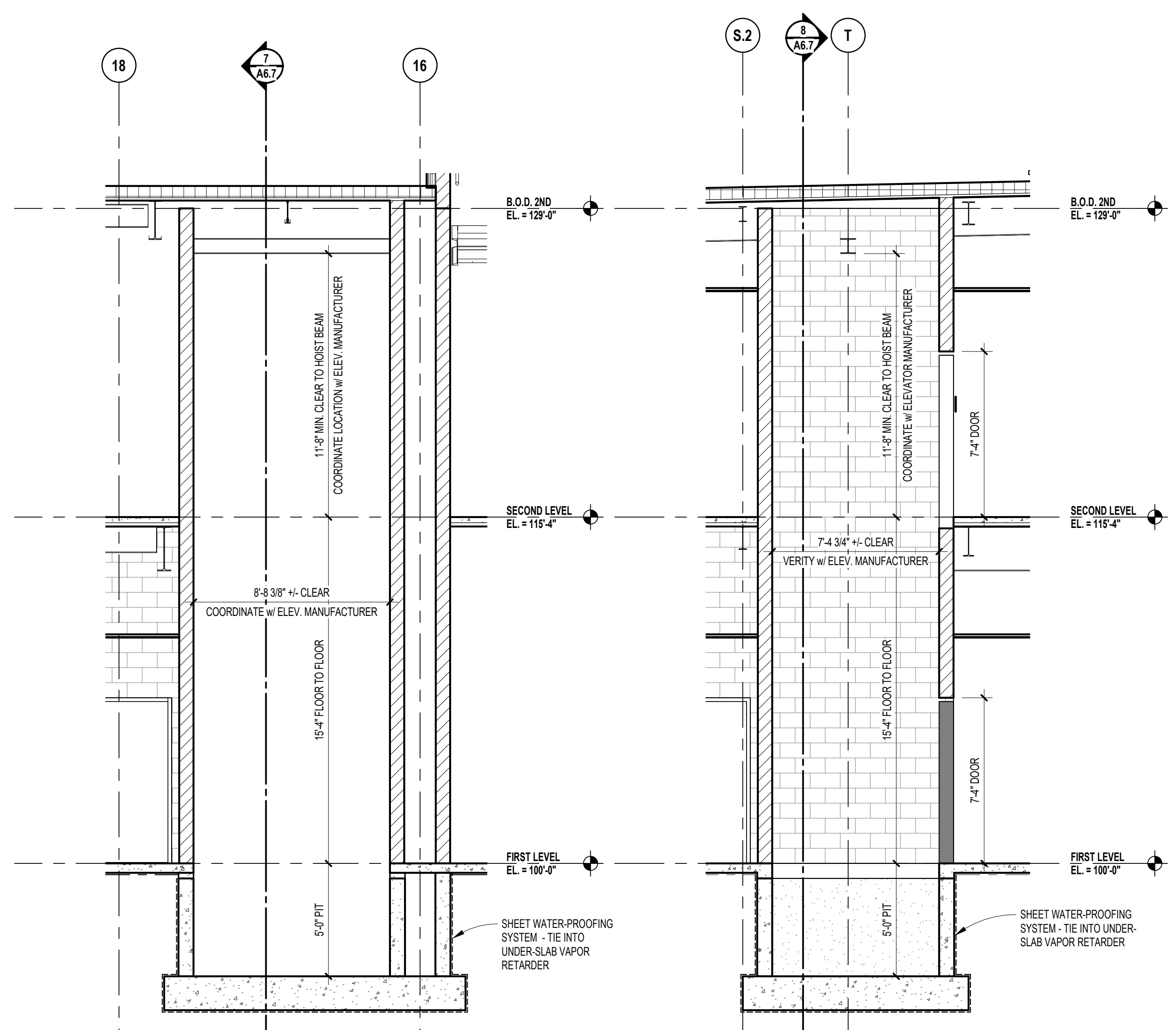
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**Enlarged Stair and Elevator  
Plans & Sections**



ISSUE DATES

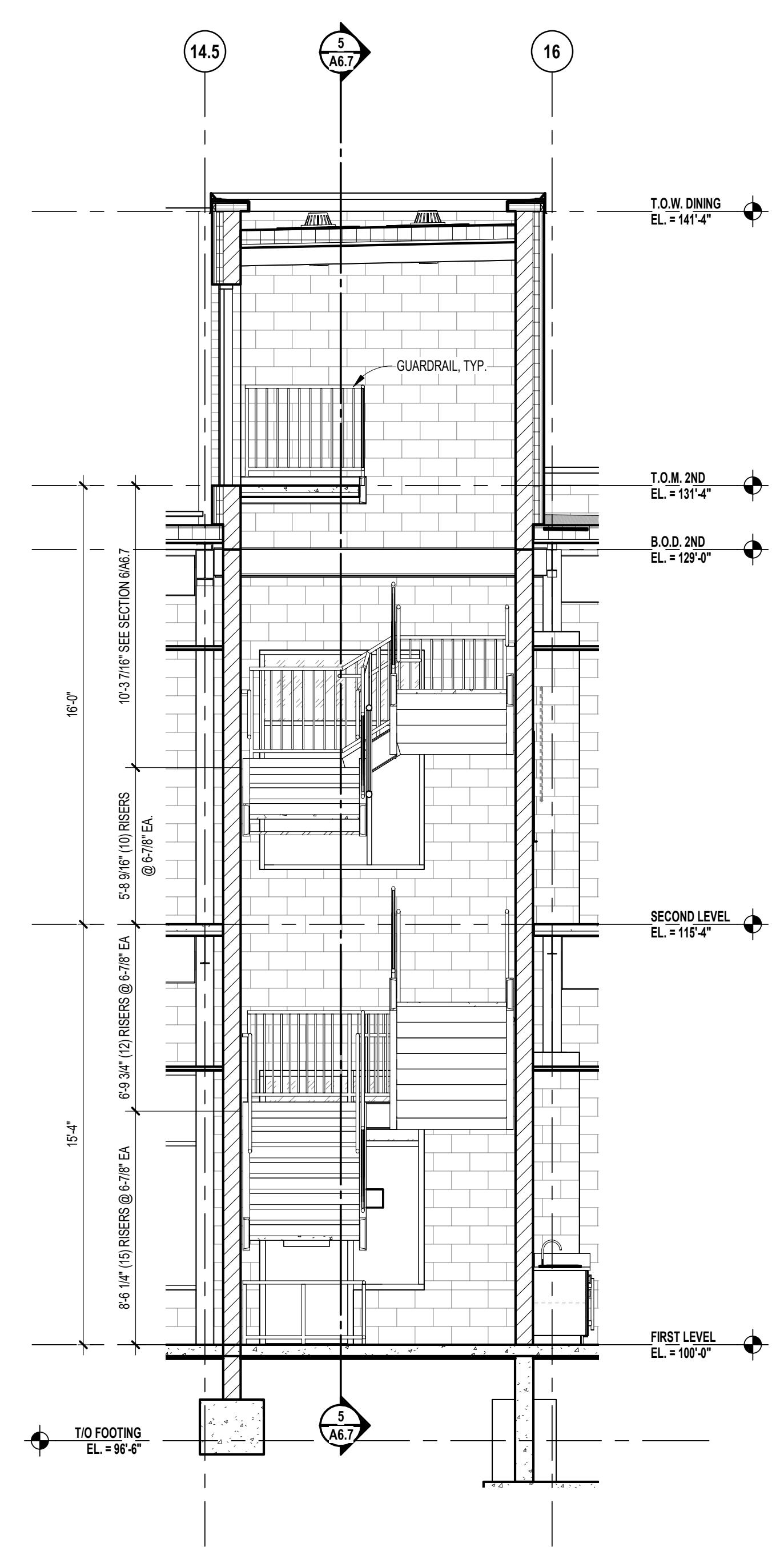
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PROJECT NO.  
**22102**  
DRAWING NO.  
**A6.7**

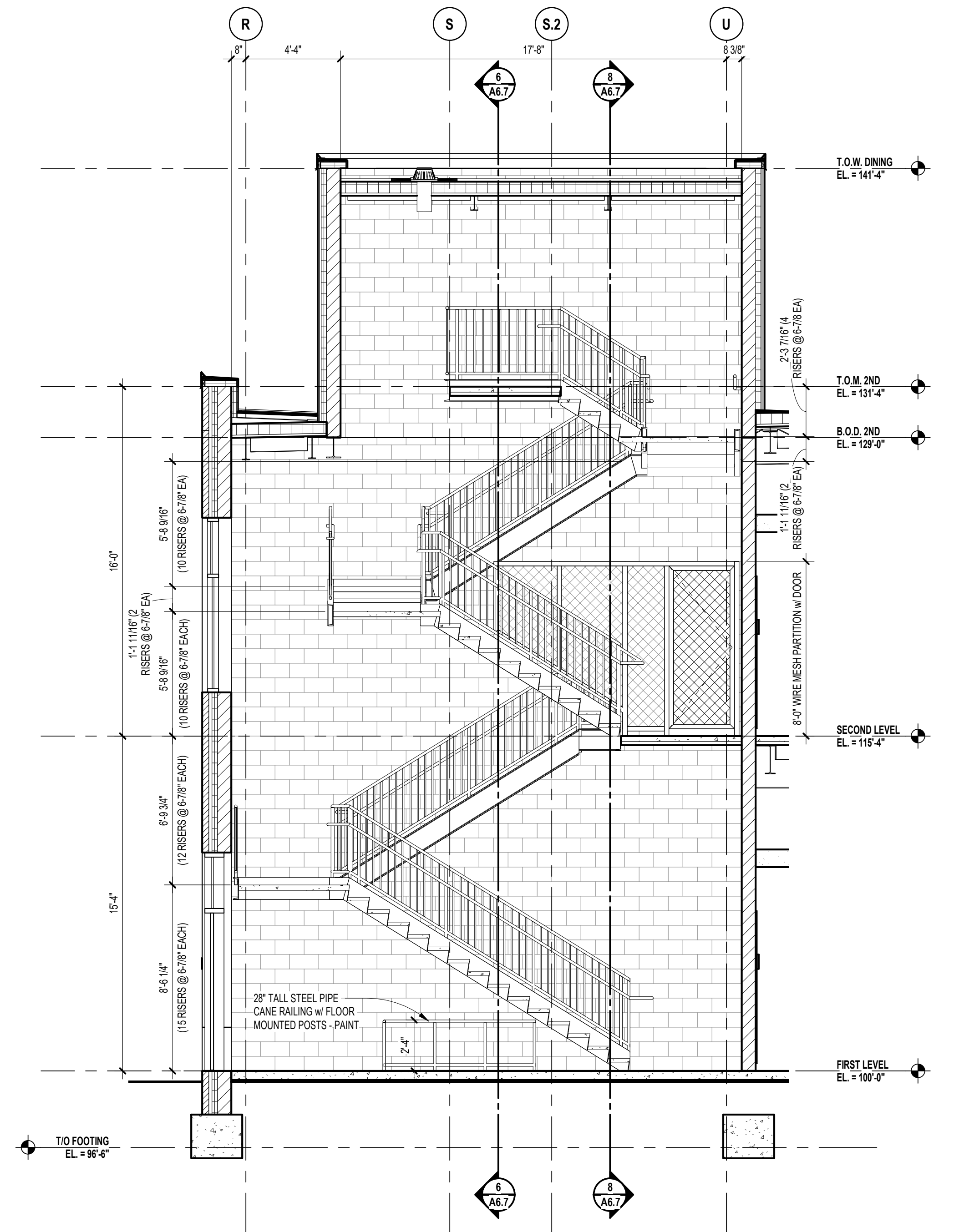


8 ELEVATOR SECTION  
SCALE: 1/4" = 1'-0"

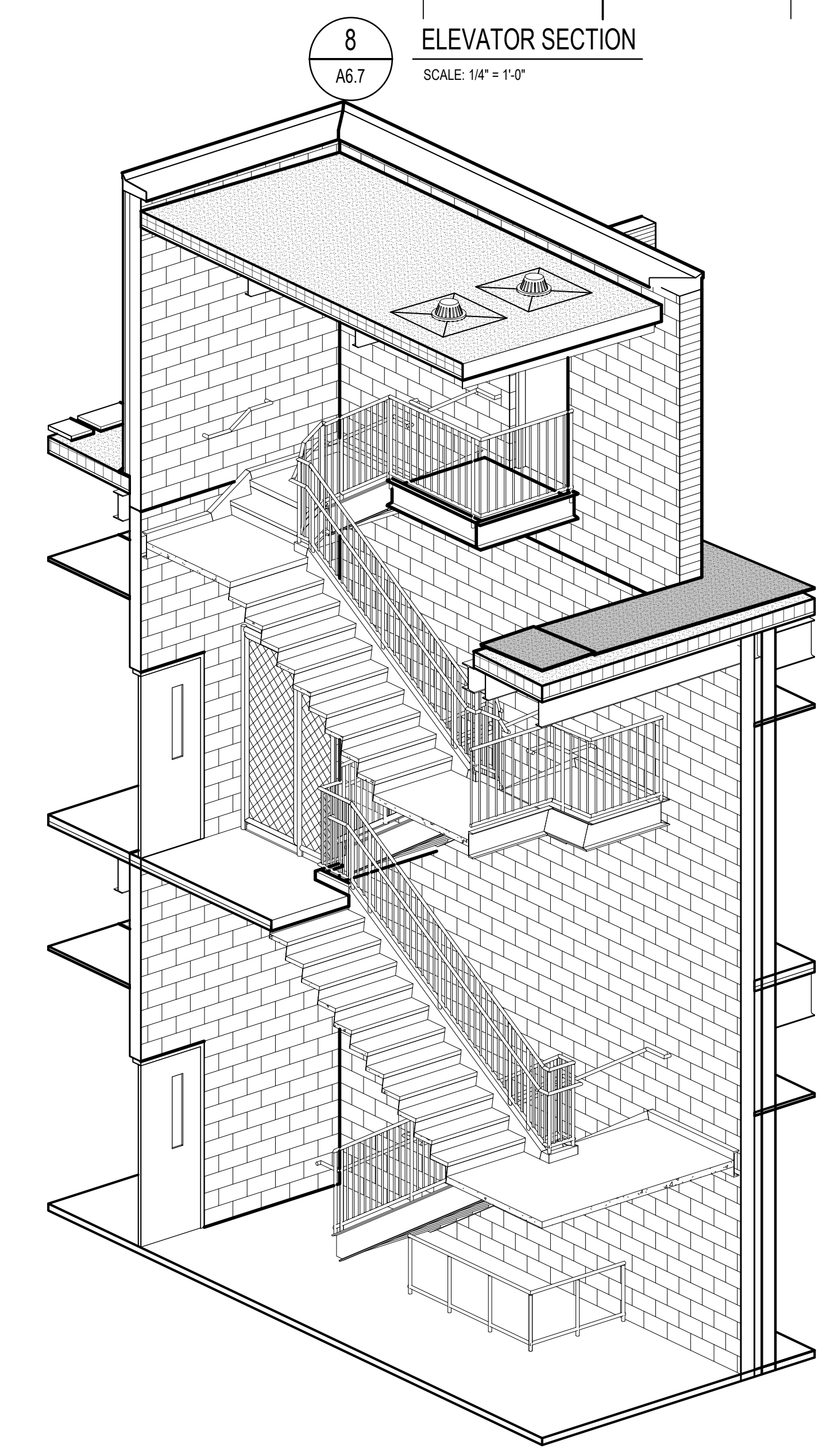
7 ELEVATOR SECTION  
SCALE: 1/4" = 1'-0"



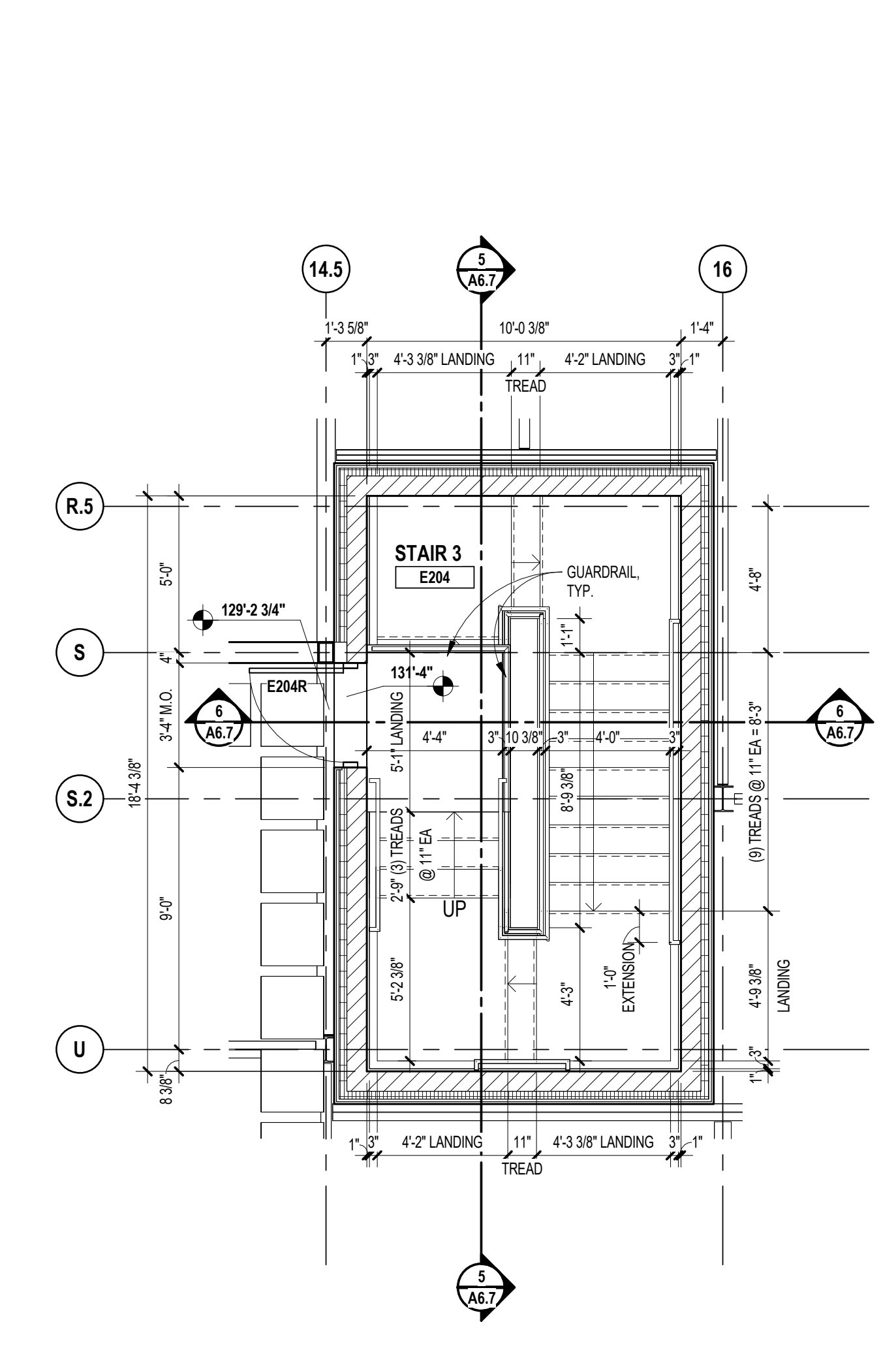
6 STAIR SECTION - STAIR 3  
SCALE: 1/4" = 1'-0"



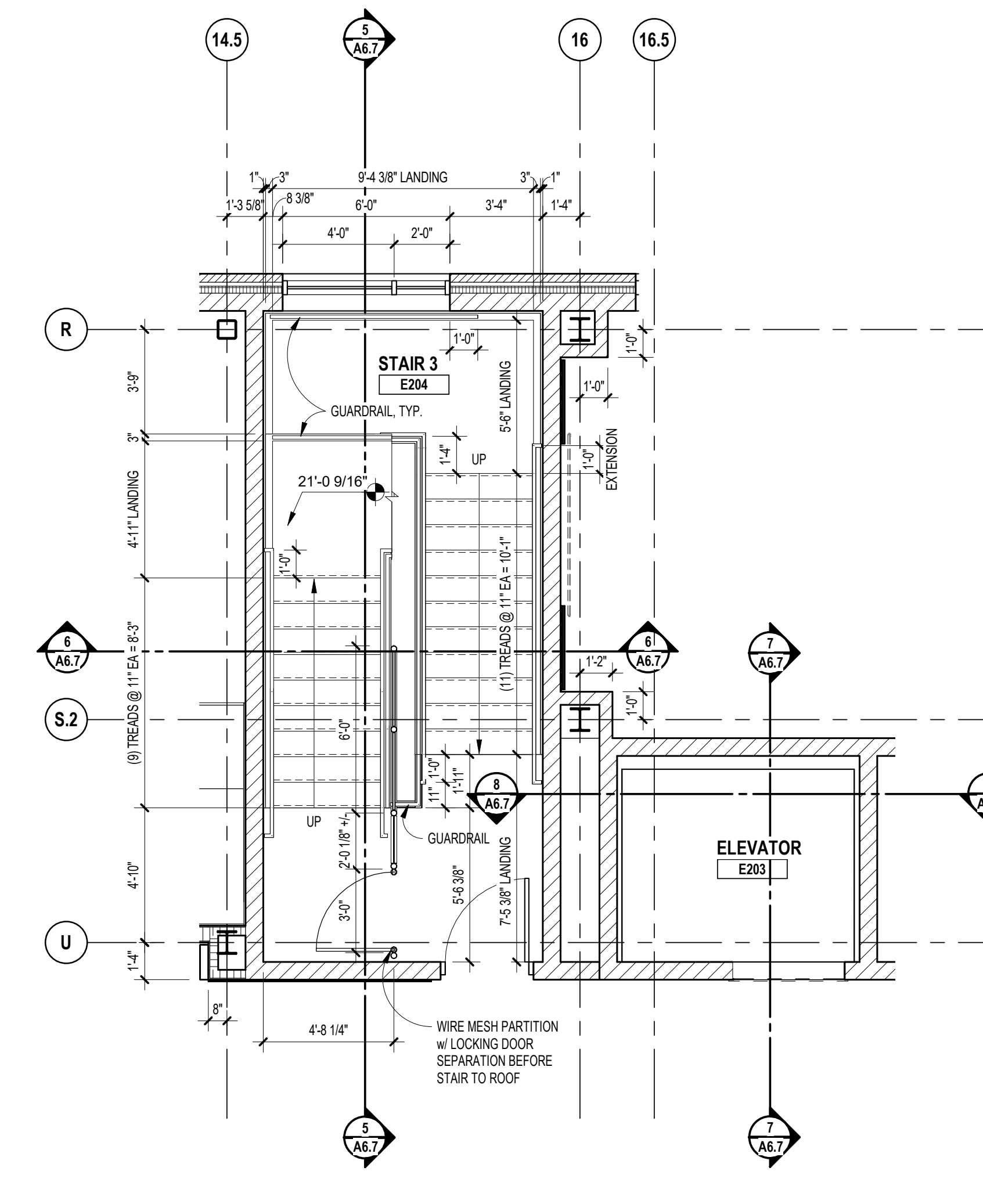
5 STAIR SECTION - STAIR 3  
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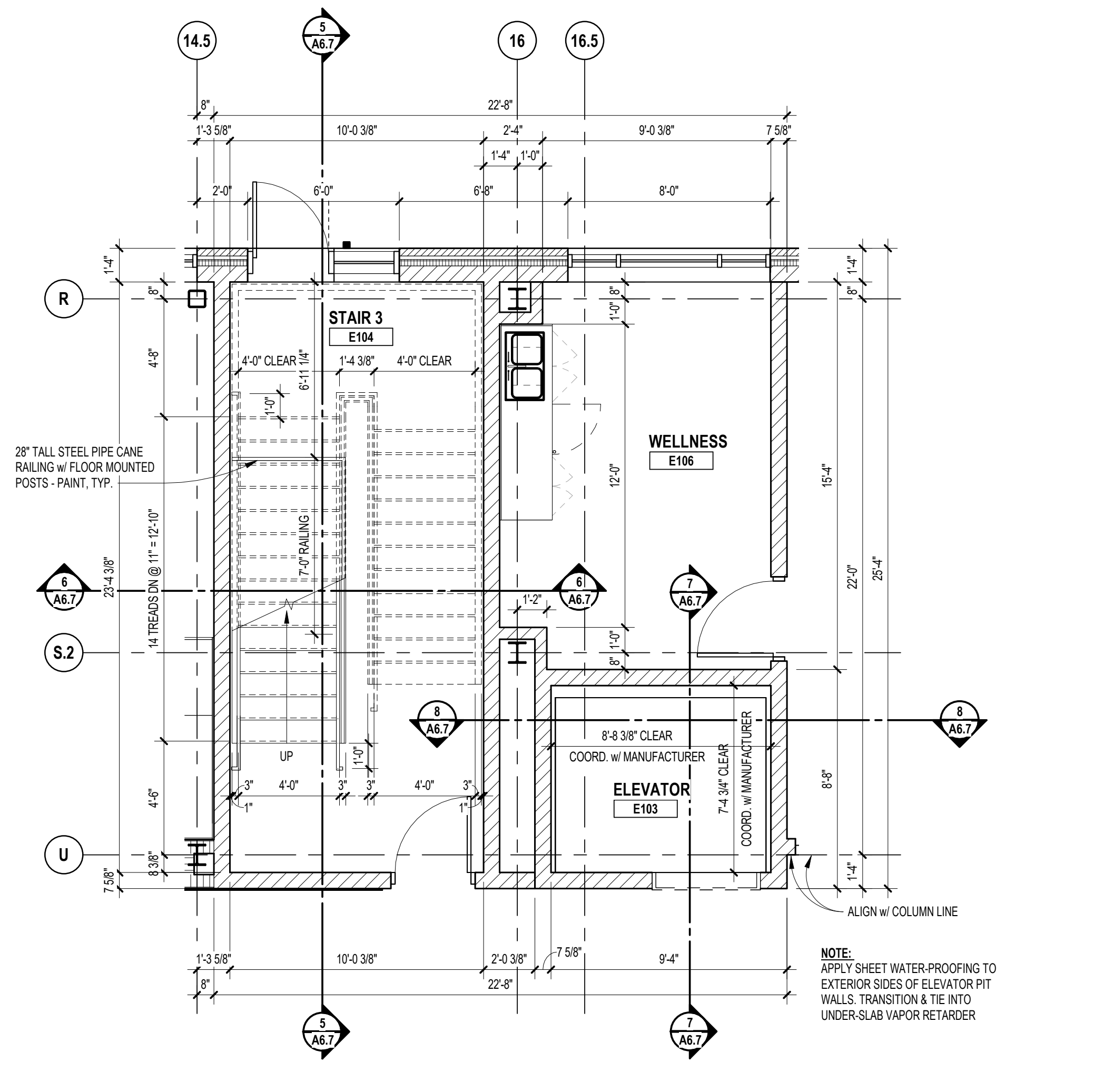
4 ISOMETRIC VIEW - STAIR 3  
SCALE:



3 ROOF LEVEL ENLARGED PLAN - STAIR 3  
SCALE: 1/4" = 1'-0"



2 SECOND LEVEL ENLARGED PLAN - STAIR 3  
SCALE: 1/4" = 1'-0"



1 FIRST LEVEL ENLARGED PLAN - STAIR 3  
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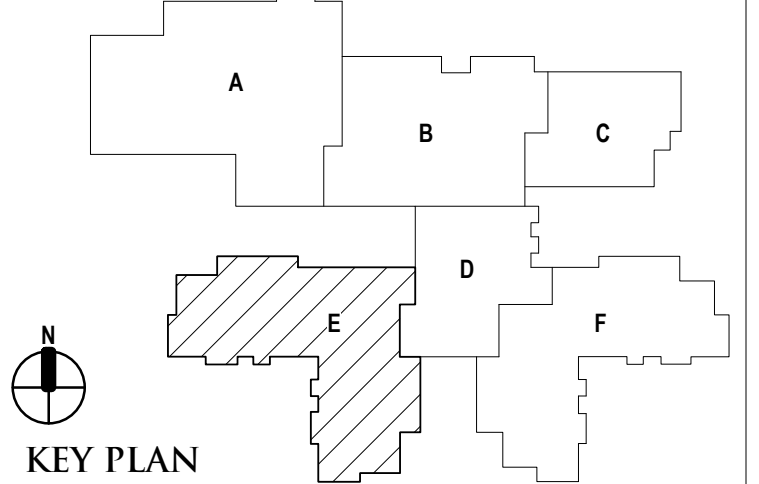
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CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Enlarged Stair Plans and  
Sections**



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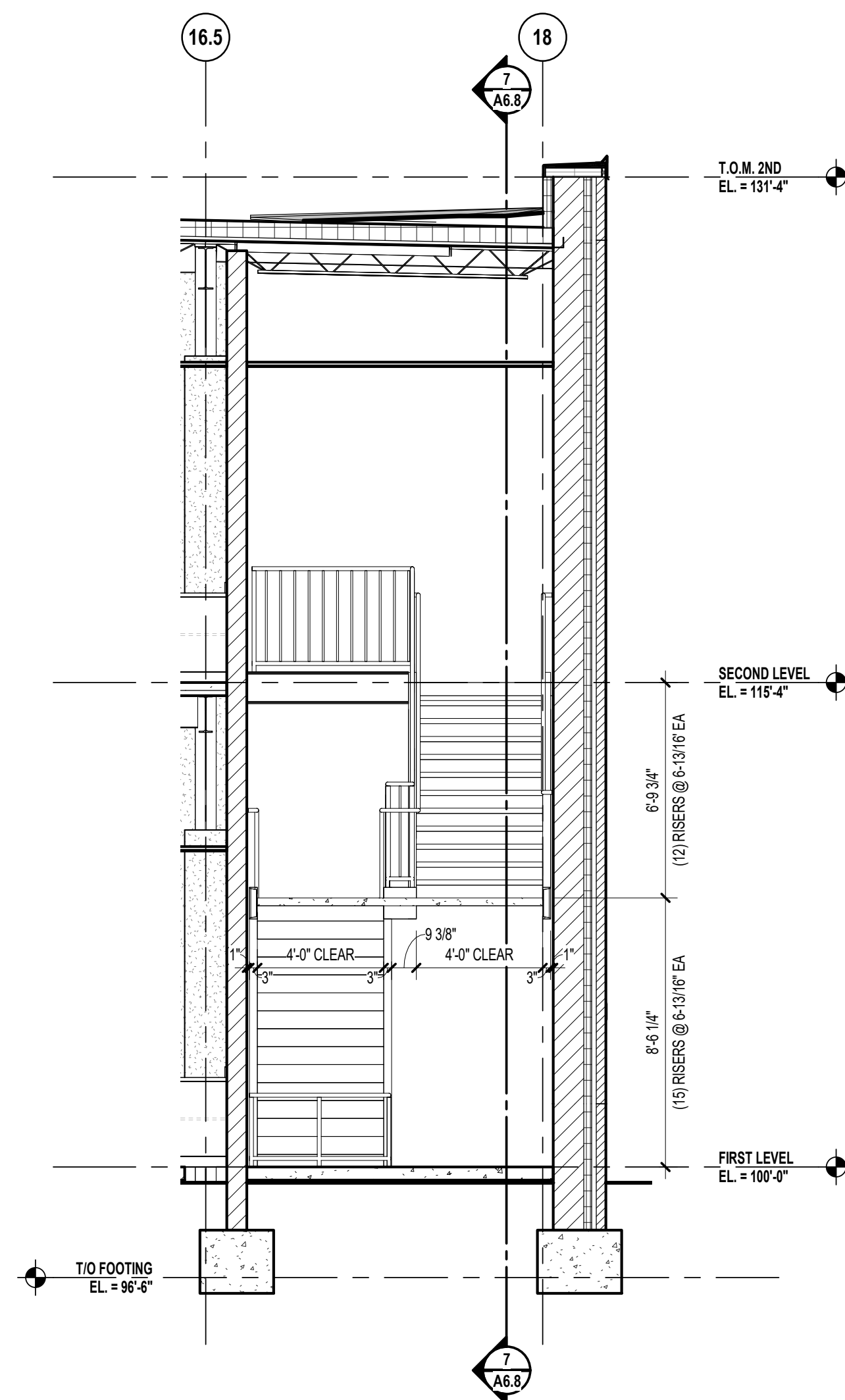
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PROJECT NO.

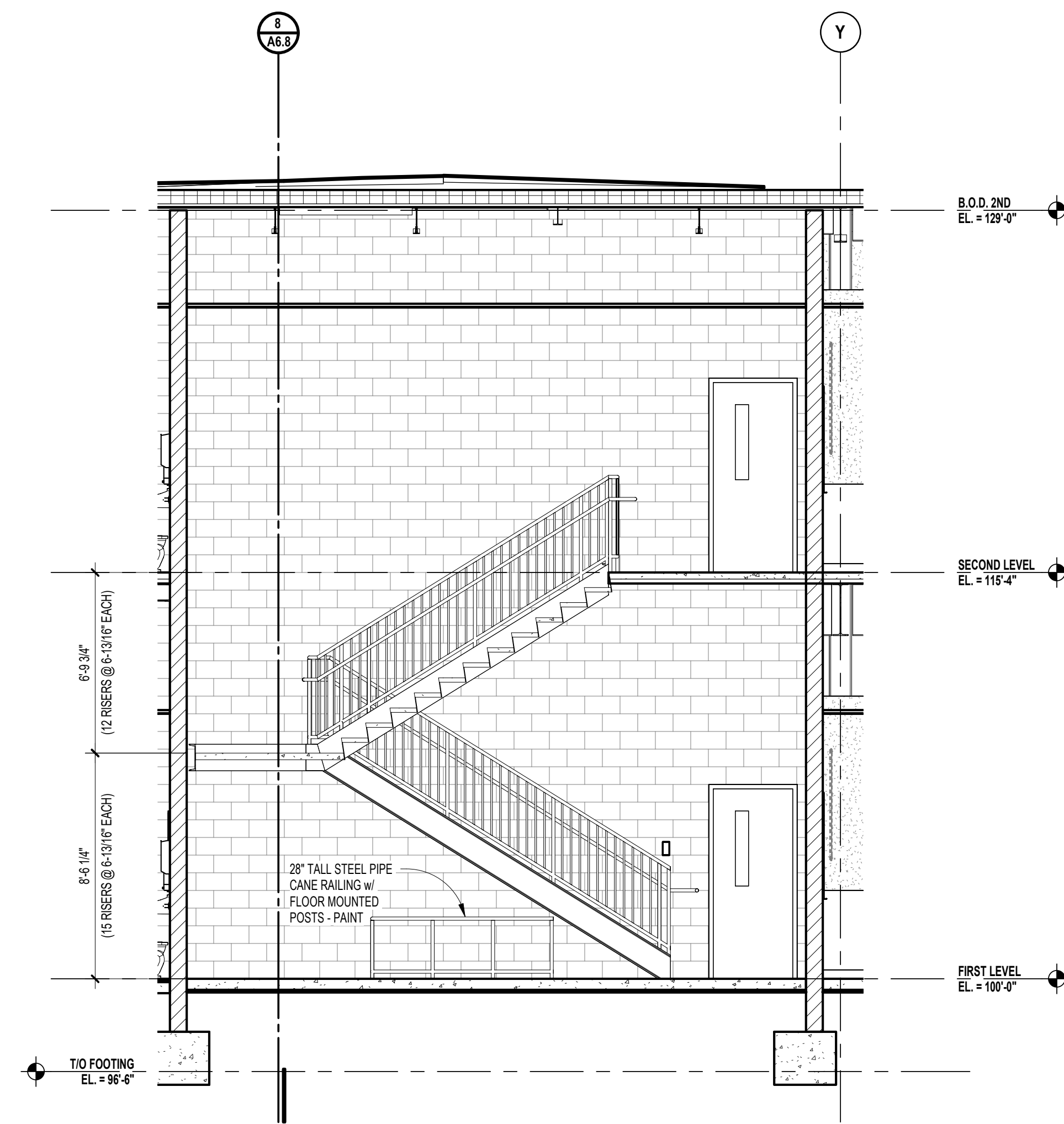
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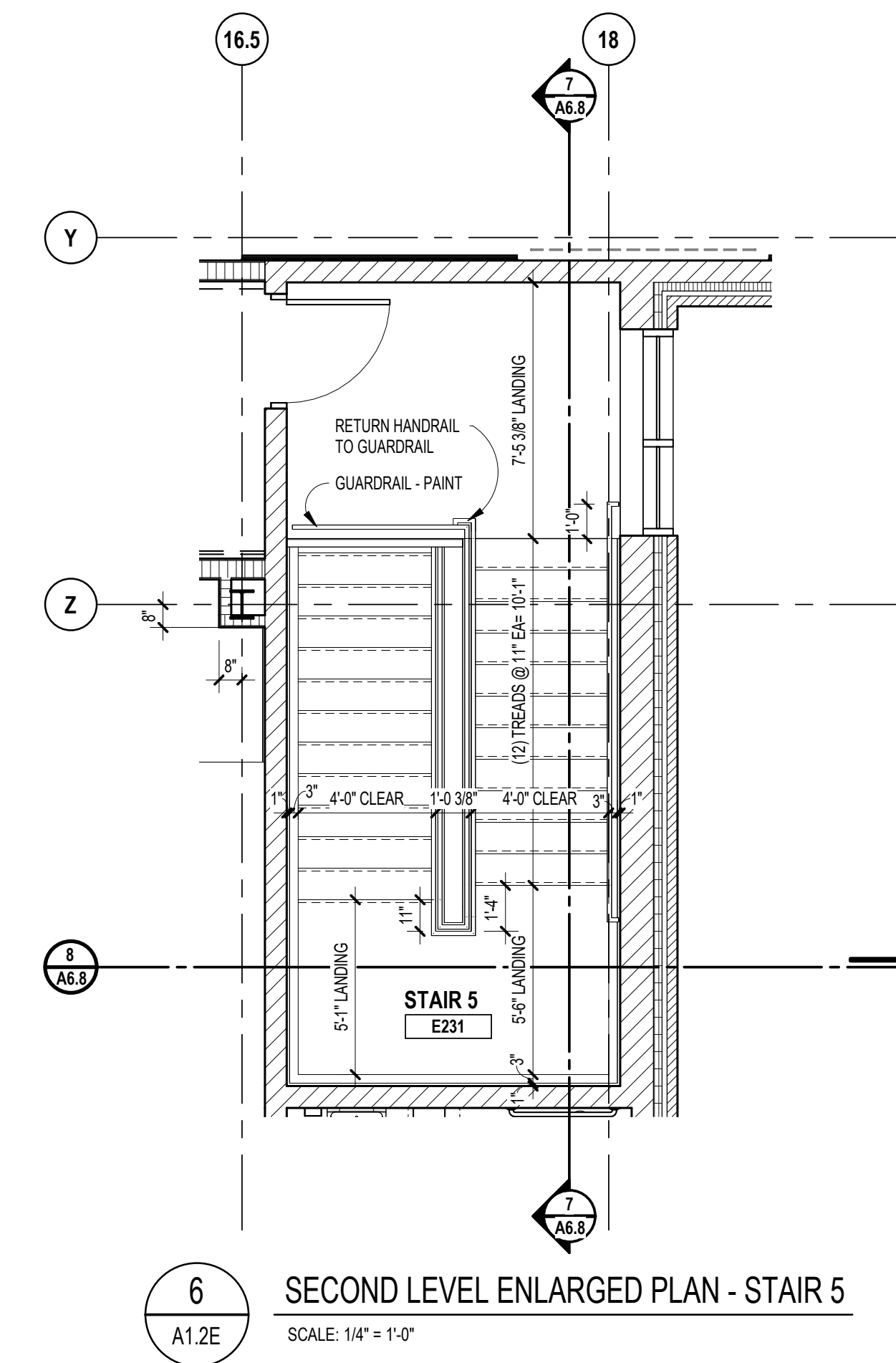
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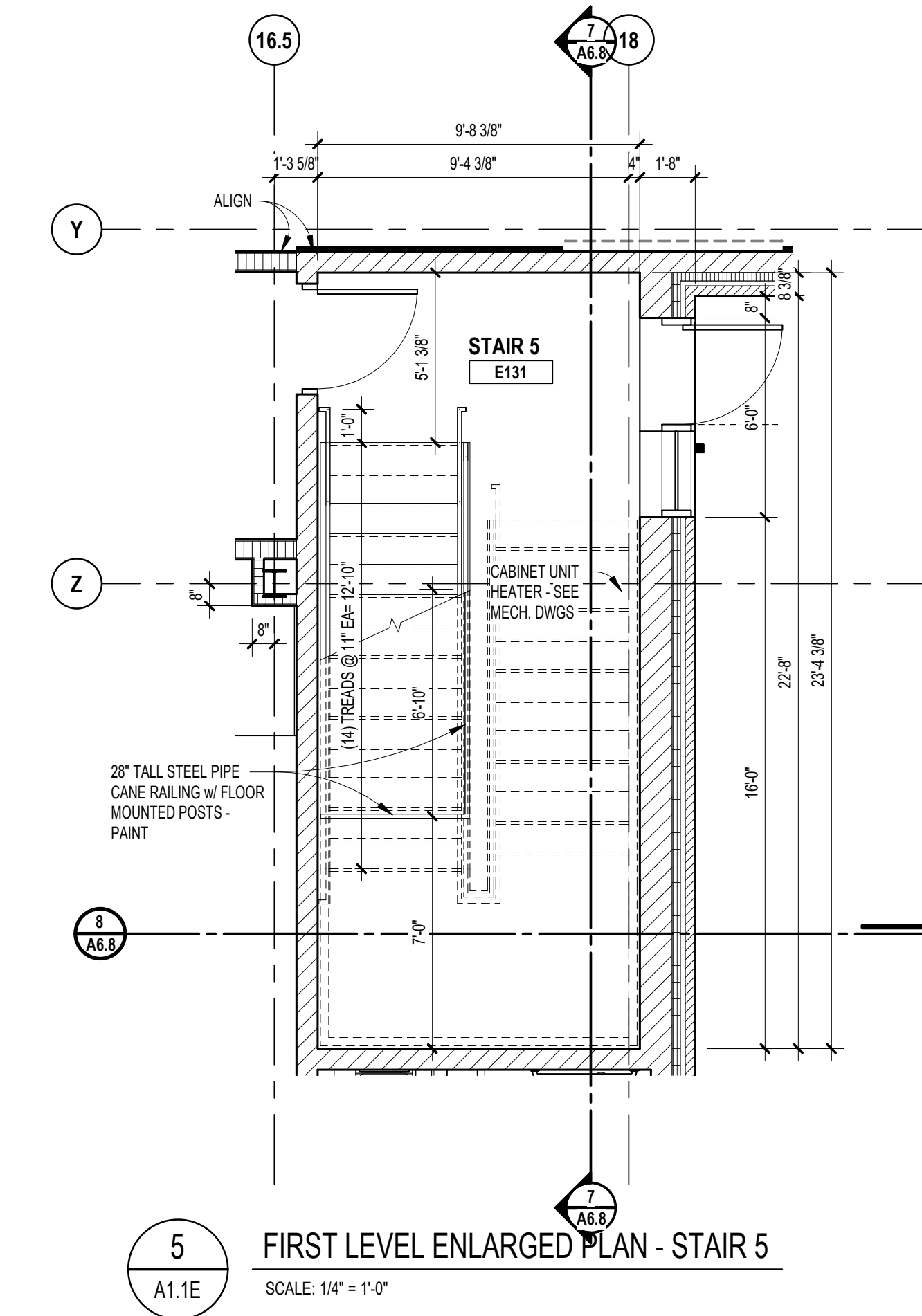
**8** STAIR SECTION - STAIR 5  
SCALE: 1/4" = 1'-0"



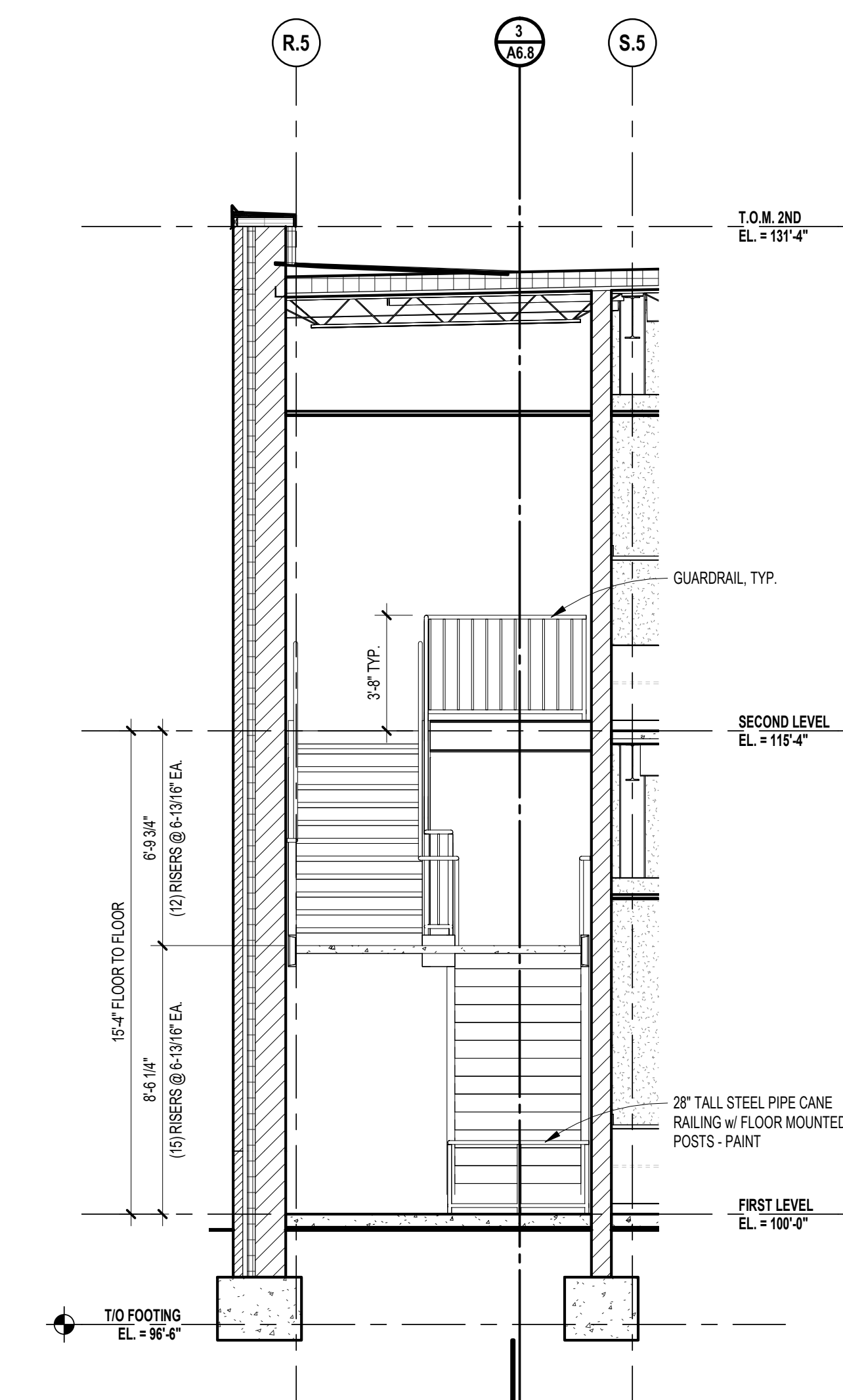
**7** STAIR SECTION - STAIR 5  
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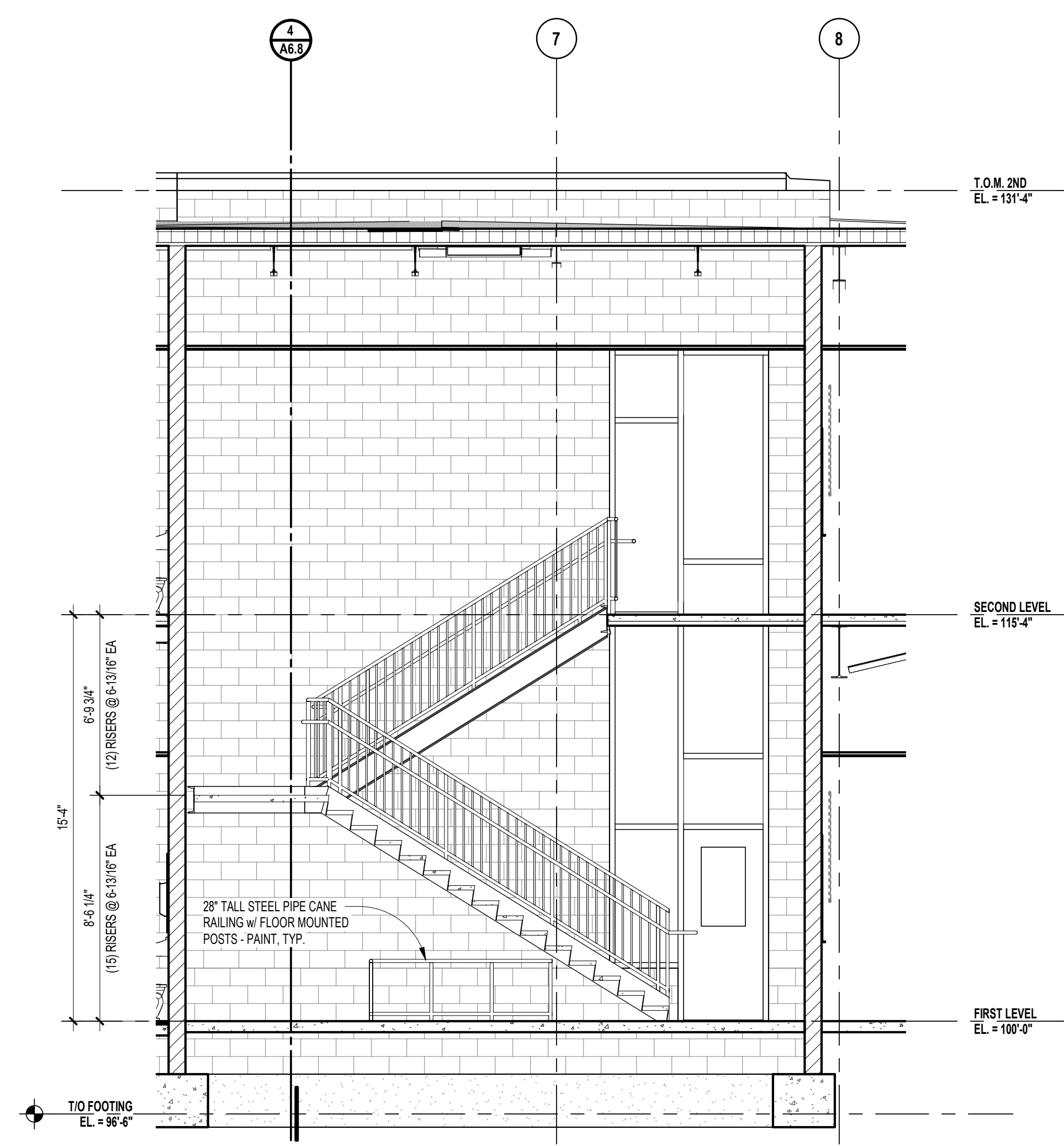
**6** SECOND LEVEL ENLARGED PLAN - STAIR 5  
SCALE: 1/4" = 1'-0"



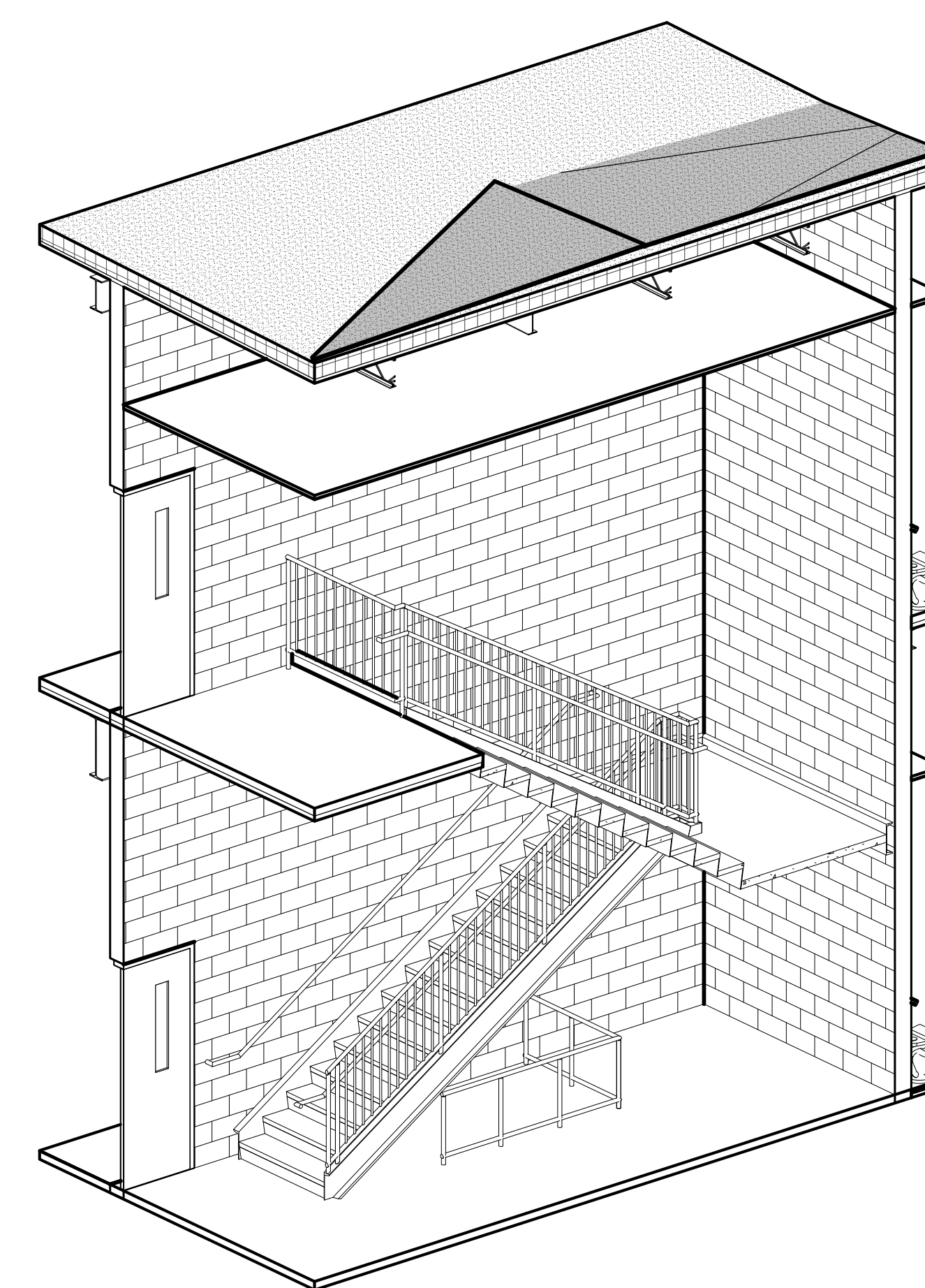
**5** FIRST LEVEL ENLARGED PLAN - STAIR 5  
SCALE: 1/4" = 1'-0"



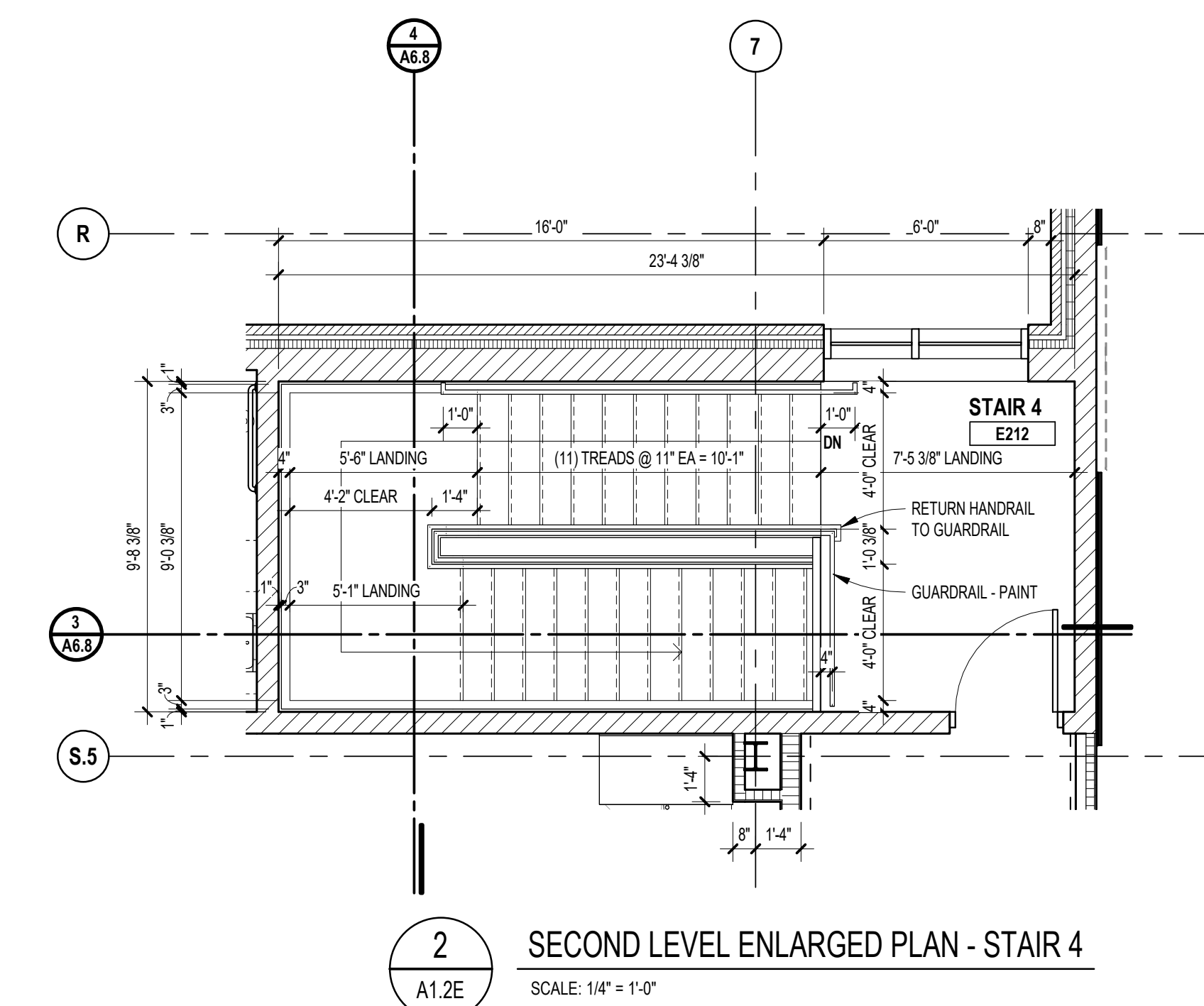
**4** STAIR SECTION - STAIR 4  
SCALE: 1/4" = 1'-0"



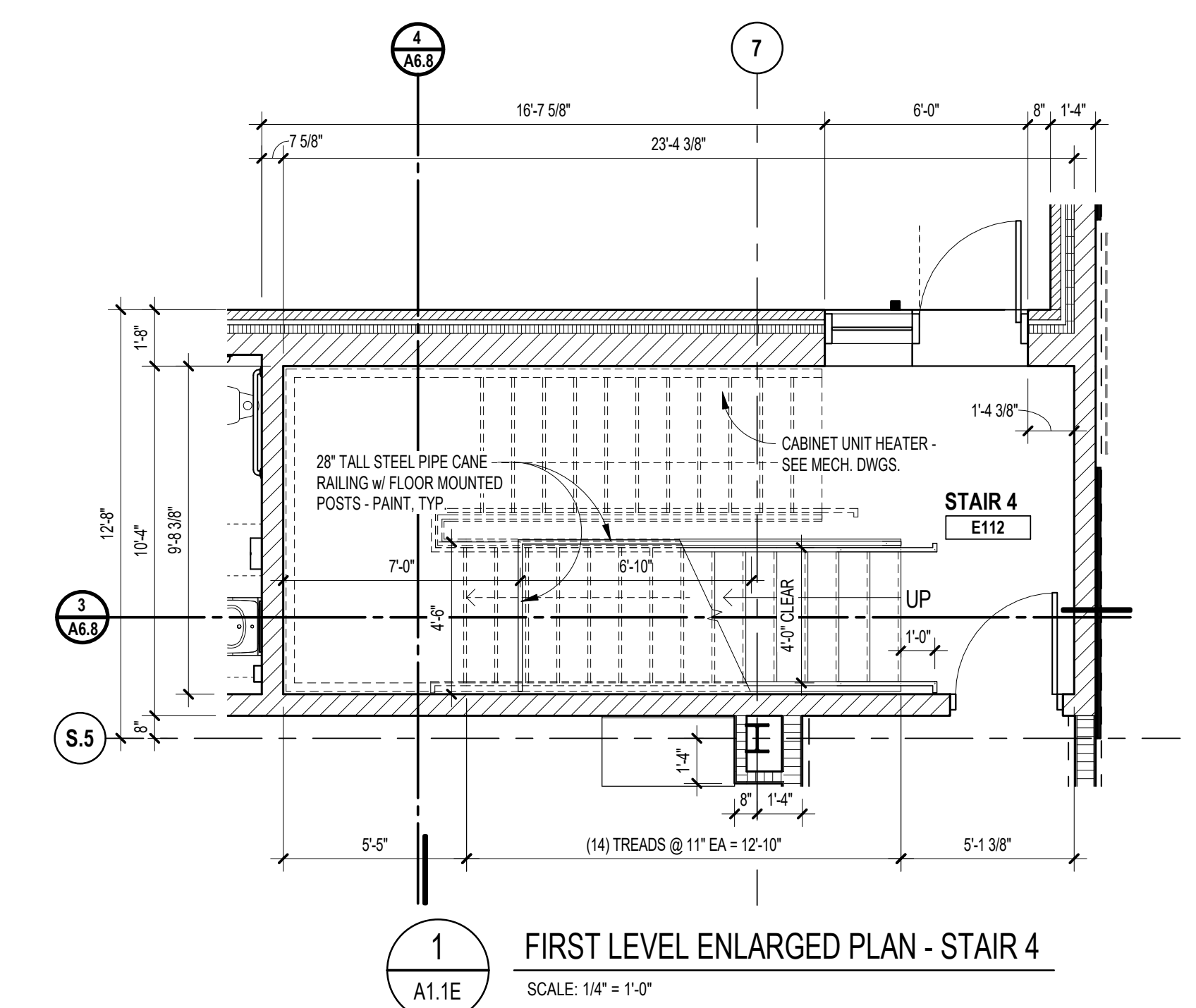
**3** STAIR SECTION - STAIR 4  
SCALE: 1/4" = 1'-0"



**9** ISOMETRIC VIEW - STAIR 4  
SCALE:

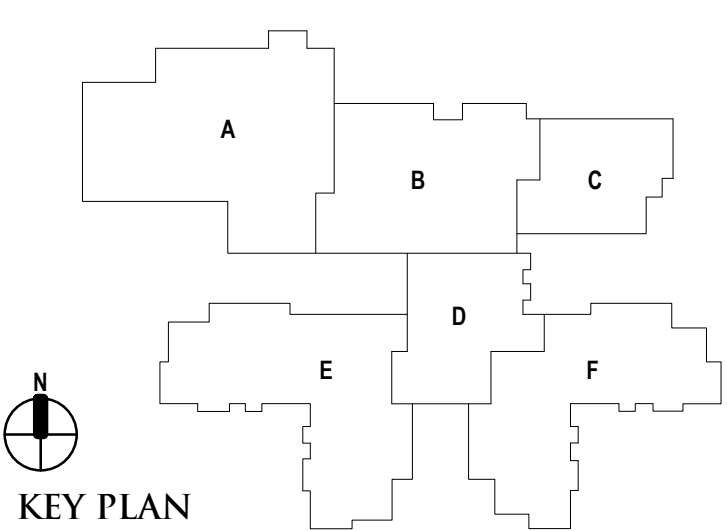


**2** SECOND LEVEL ENLARGED PLAN - STAIR 4  
SCALE: 1/4" = 1'-0"

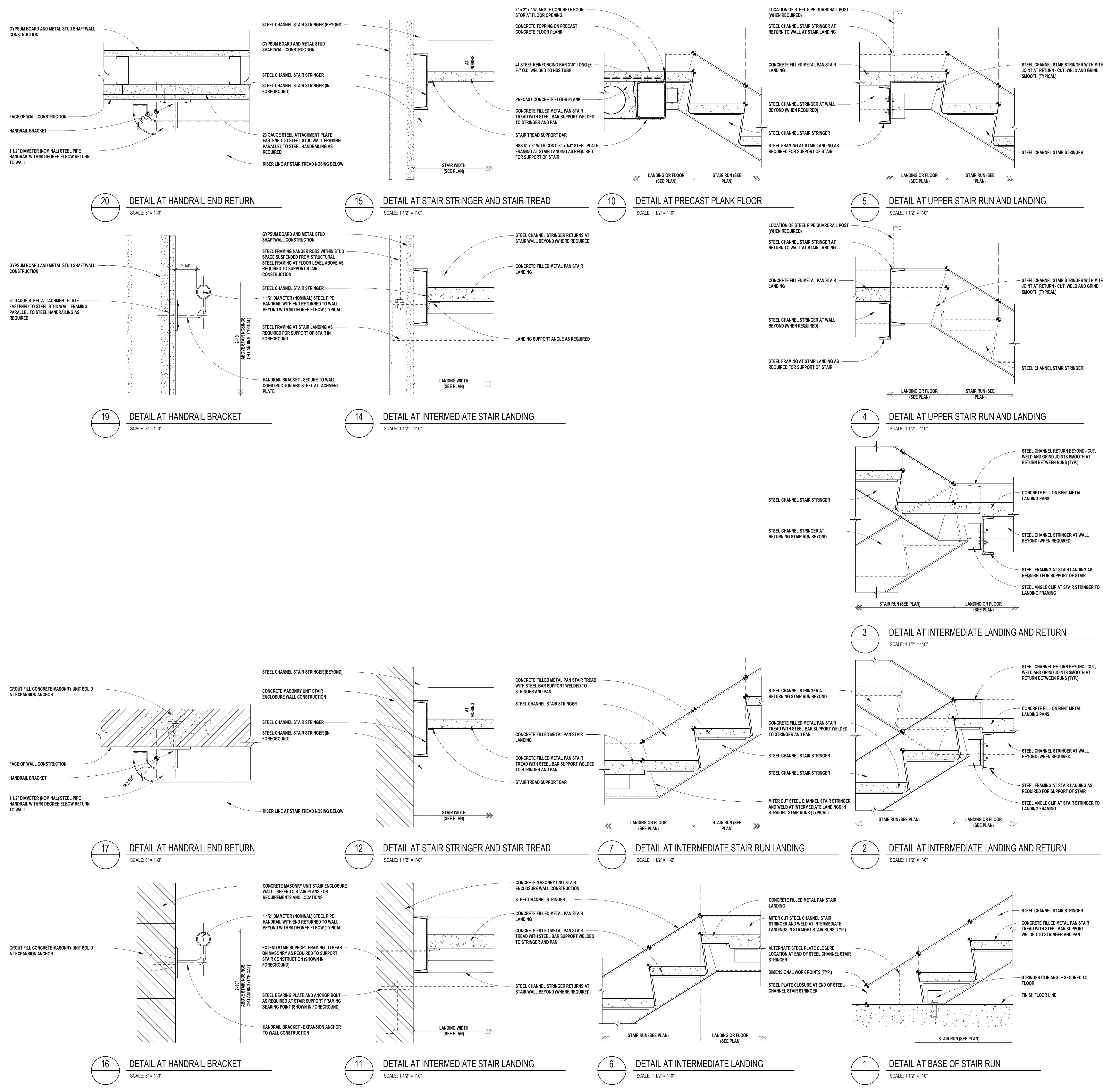


**1** FIRST LEVEL ENLARGED PLAN - STAIR 4  
SCALE: 1/4" = 1'-0"





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06-18-2024	CONSTRUCTION DOCUMENTS



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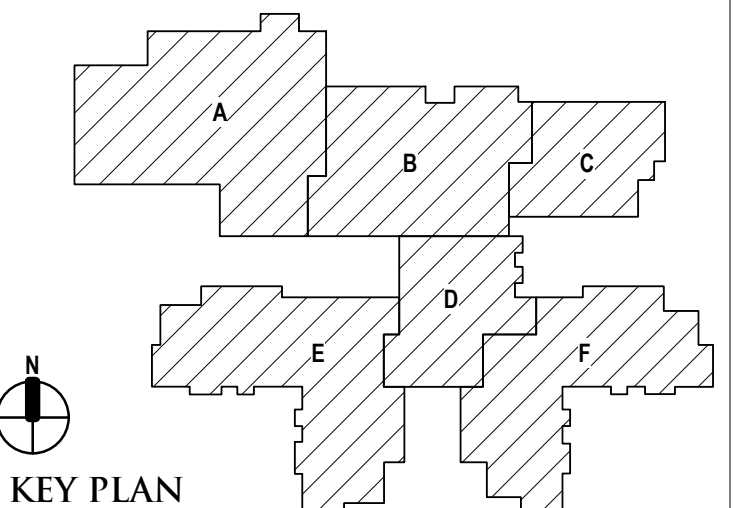
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Stair Railing Details**



ISSUE DATES

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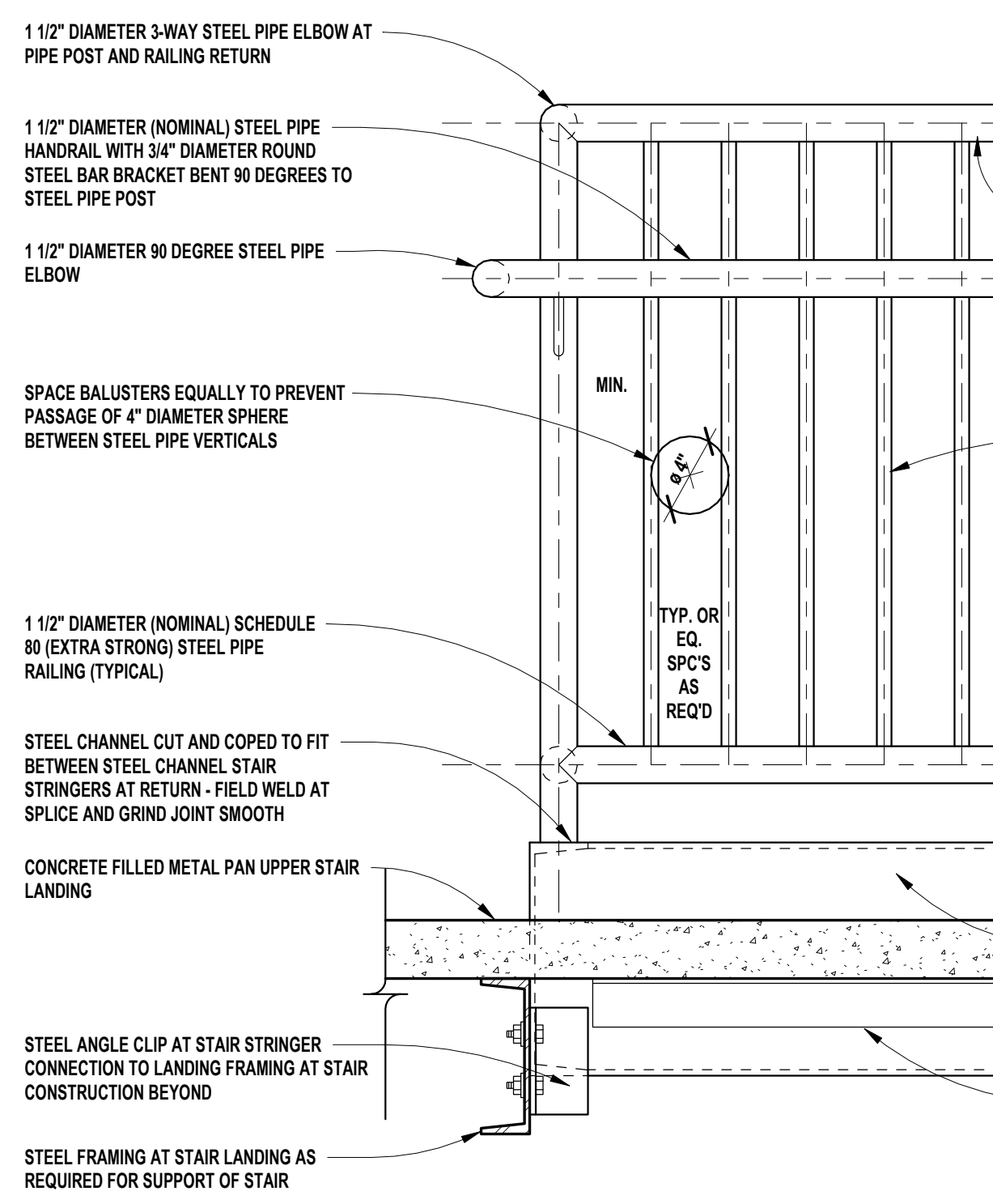
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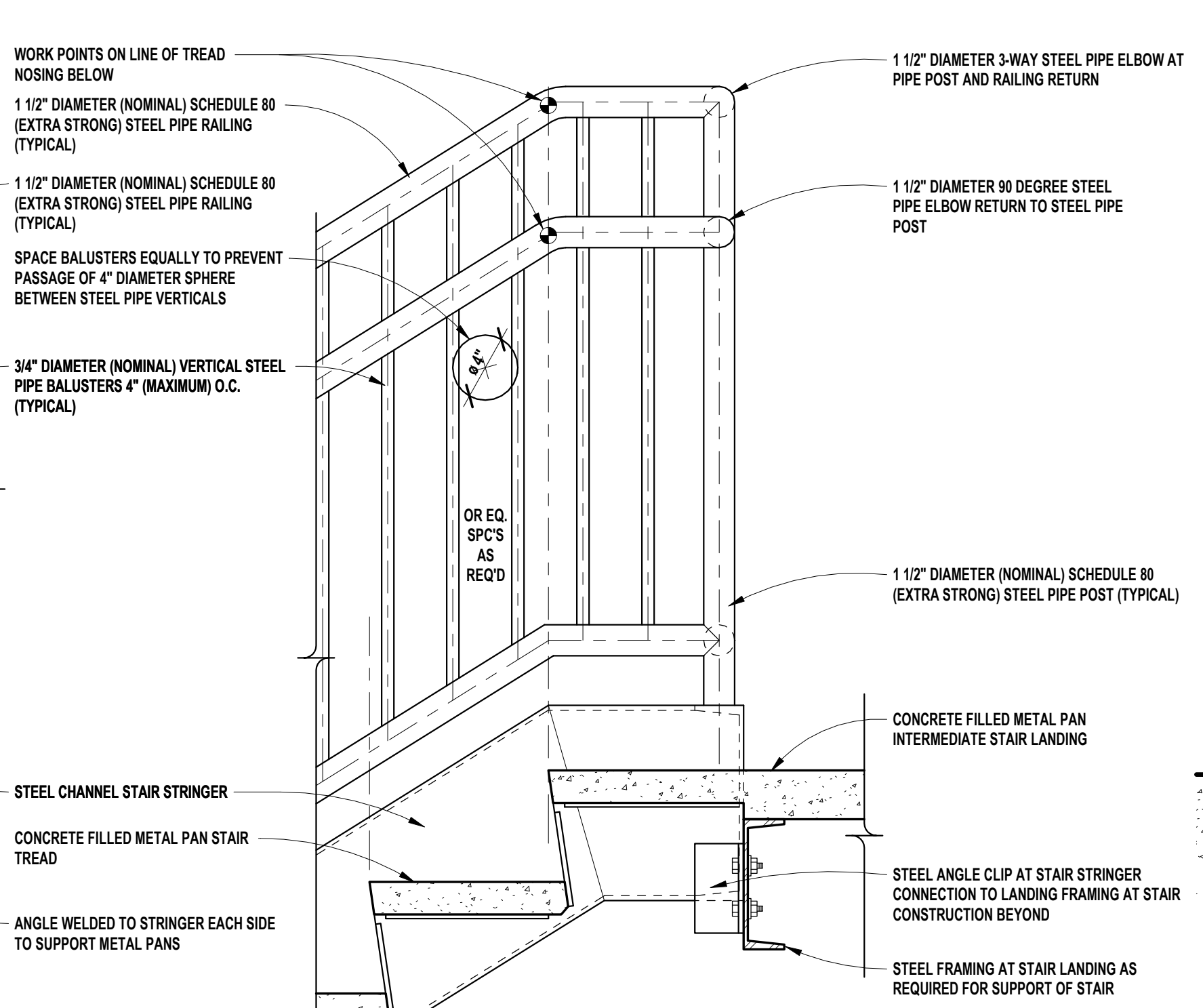
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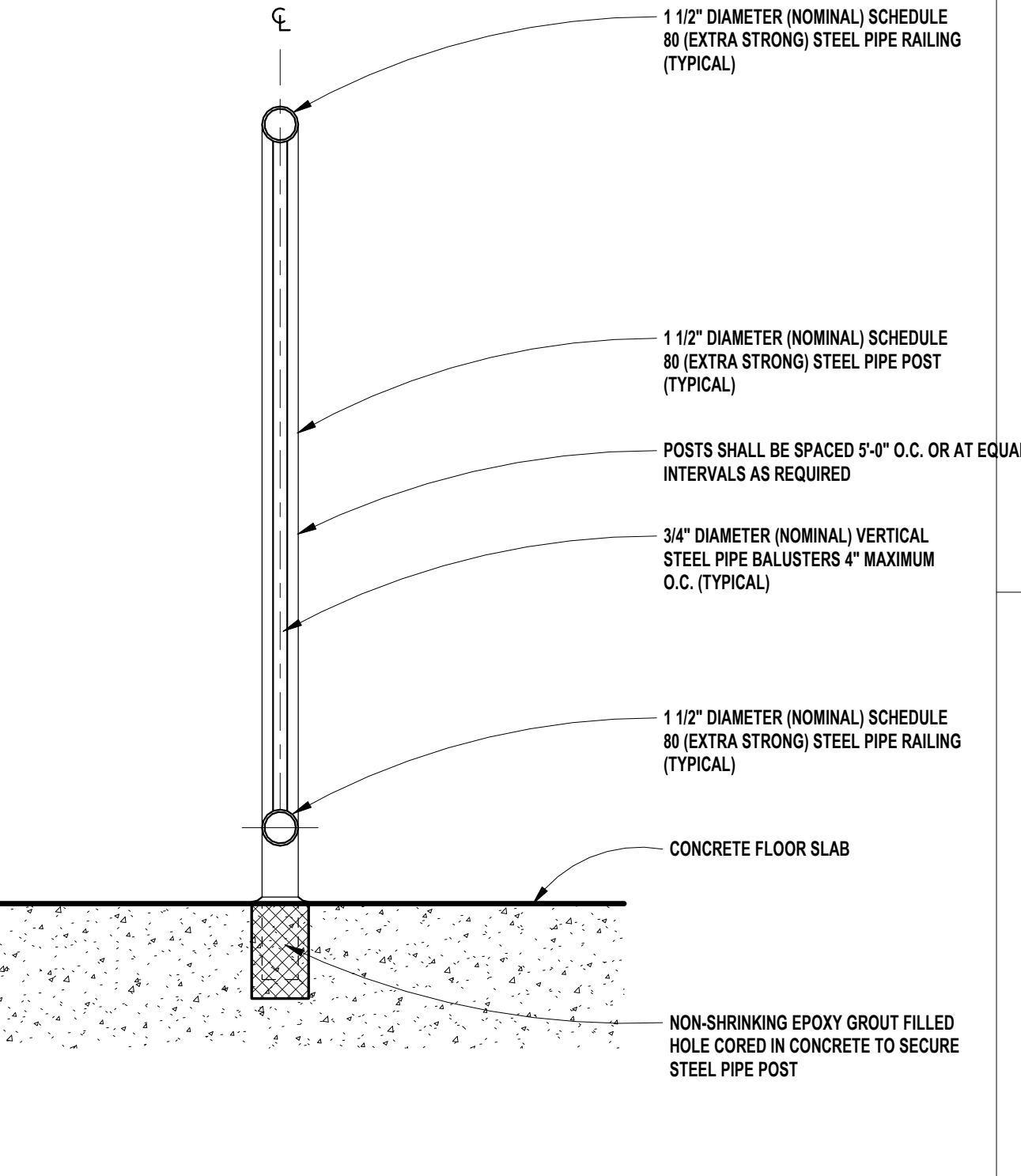
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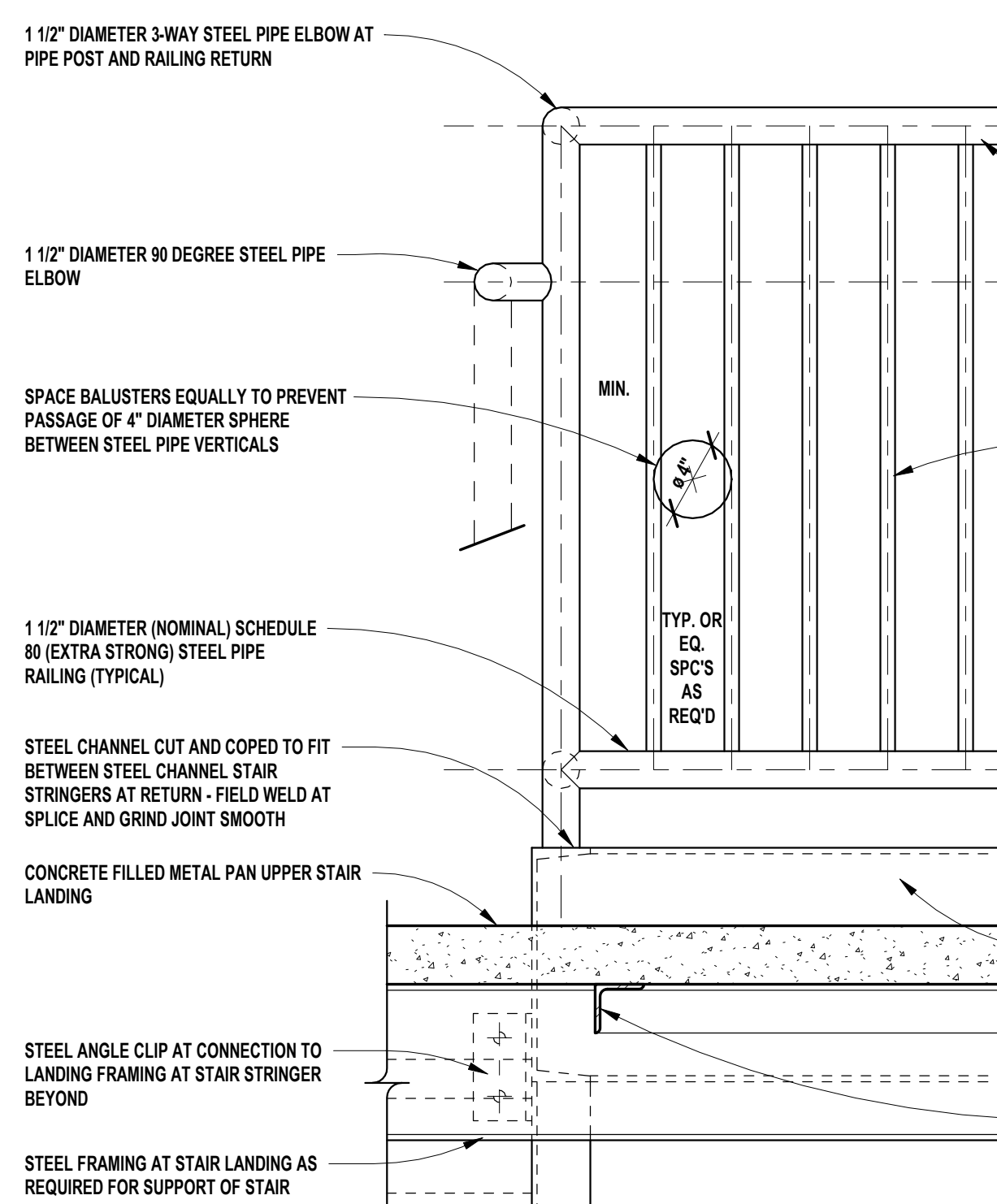
**9** STAIR RAILING AT LANDING  
SCALE: 1 1/2" = 1'-0"



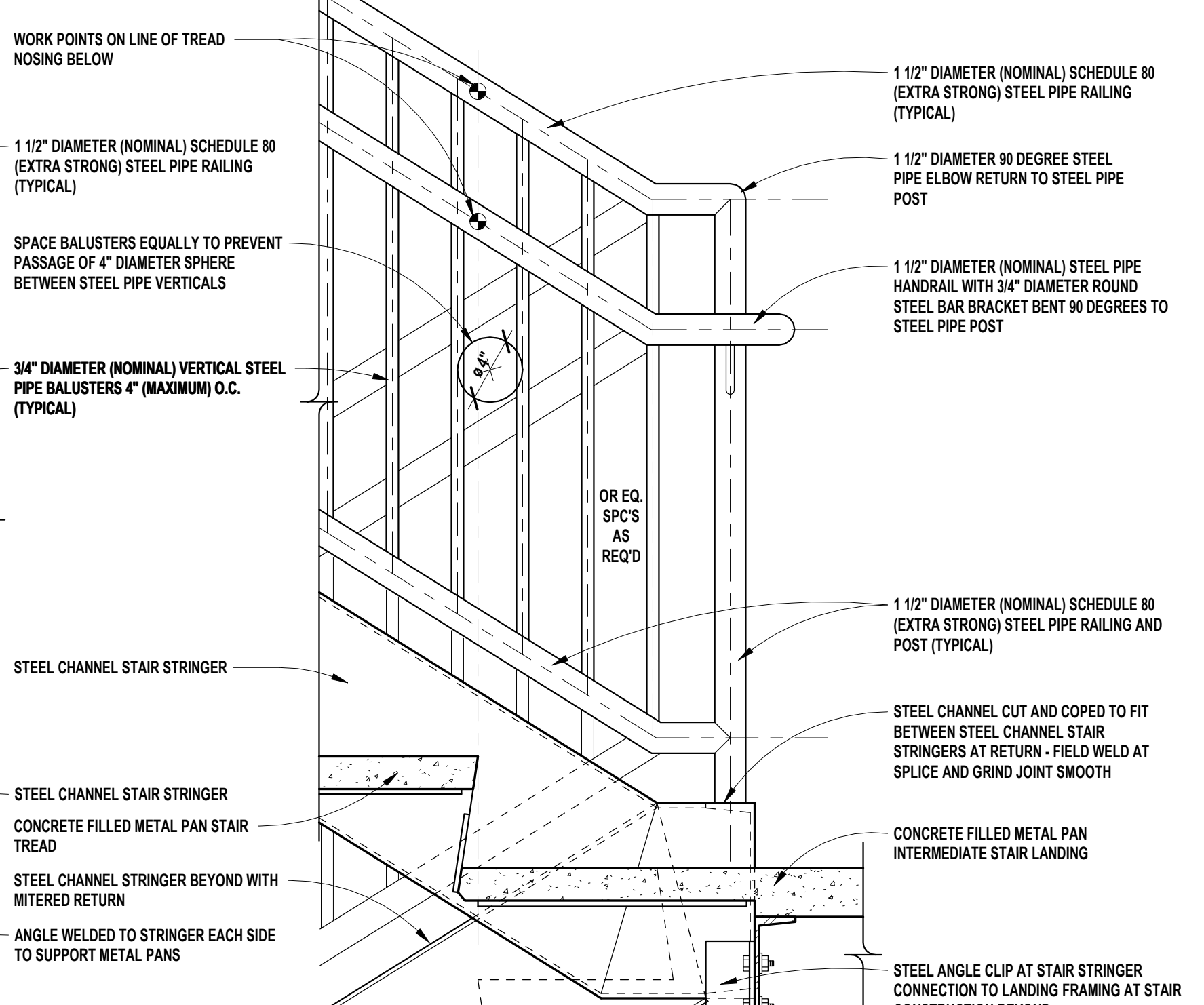
**6** STAIR RAILING AT UPPER LANDING  
SCALE: 1 1/2" = 1'-0"



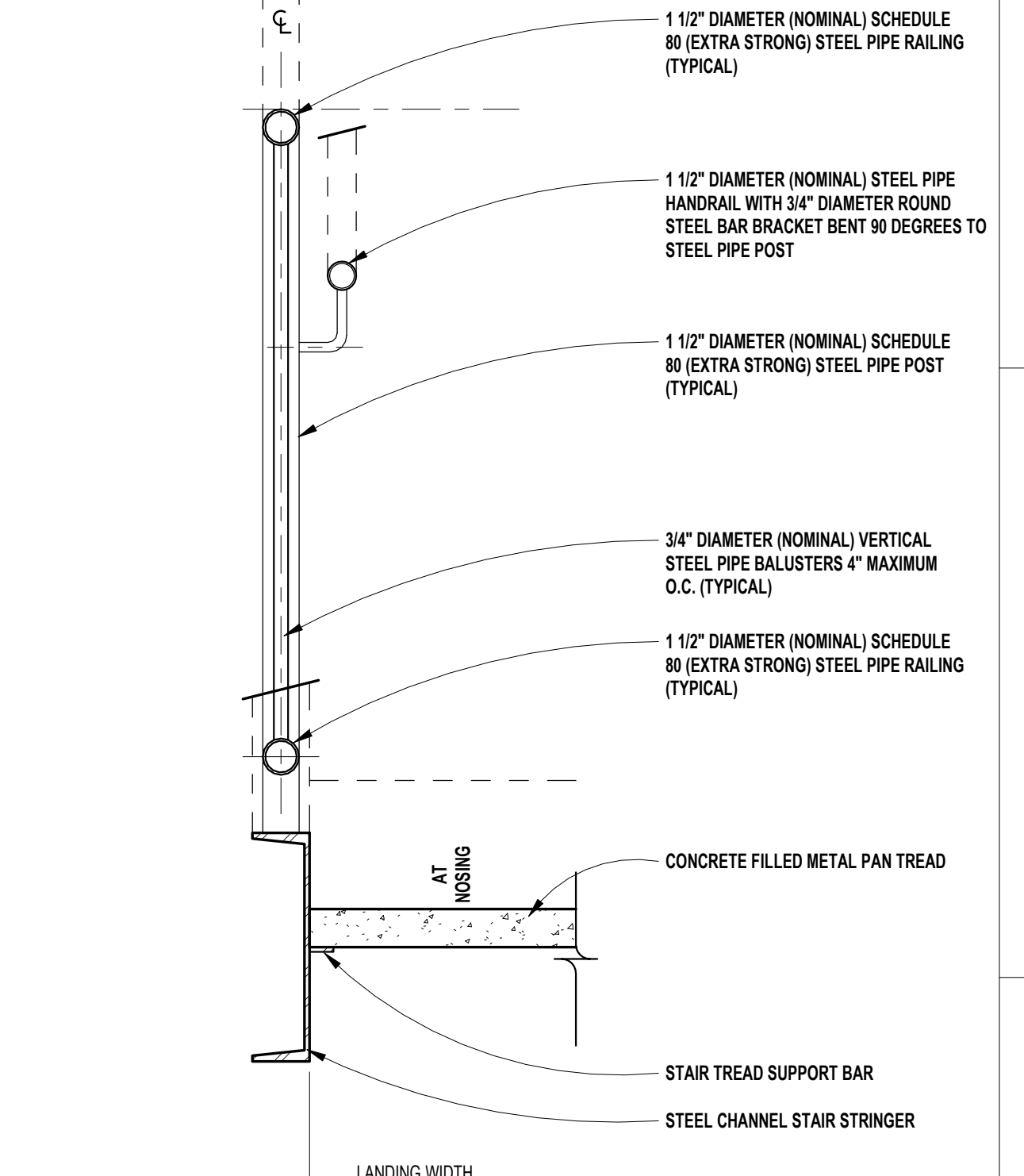
**3** PIPE POST GUARDRAIL FLOOR ANCHORAGE  
SCALE: 1 1/2" = 1'-0"



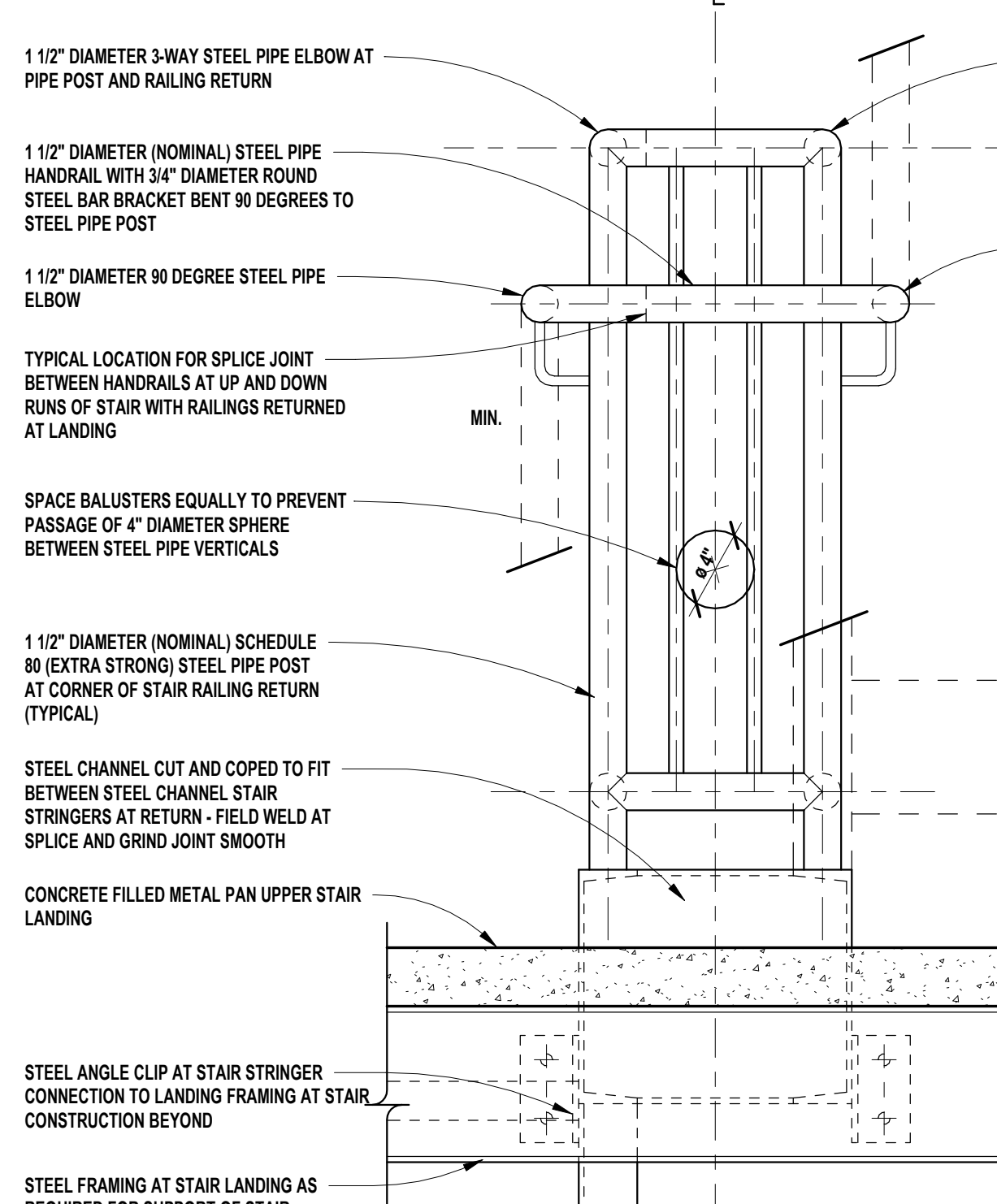
**8** STAIR RAILING AT LANDING  
SCALE: 1 1/2" = 1'-0"



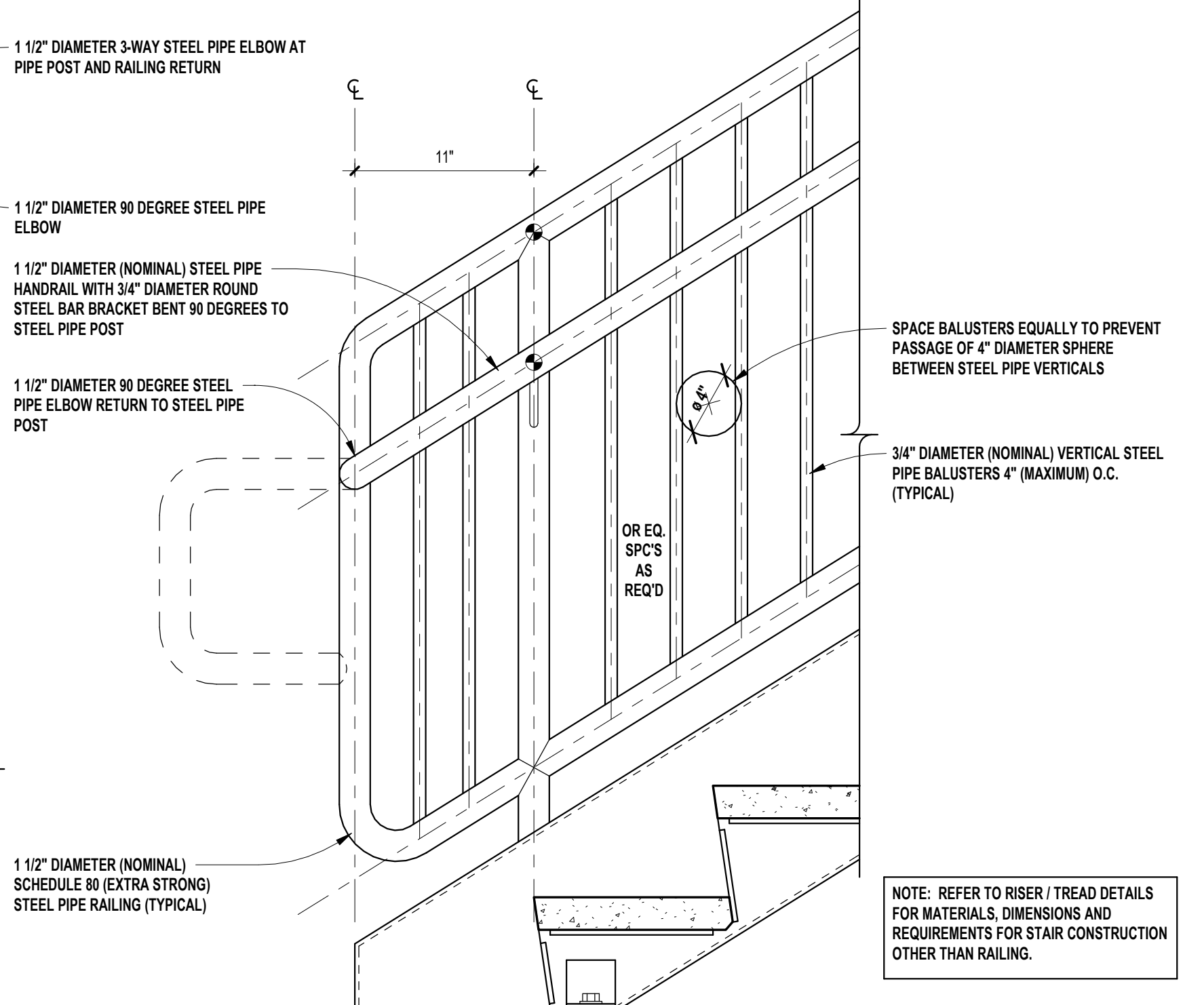
**5** STAIR RAILING AT INTERMEDIATE LANDING 1  
SCALE: 1 1/2" = 1'-0"



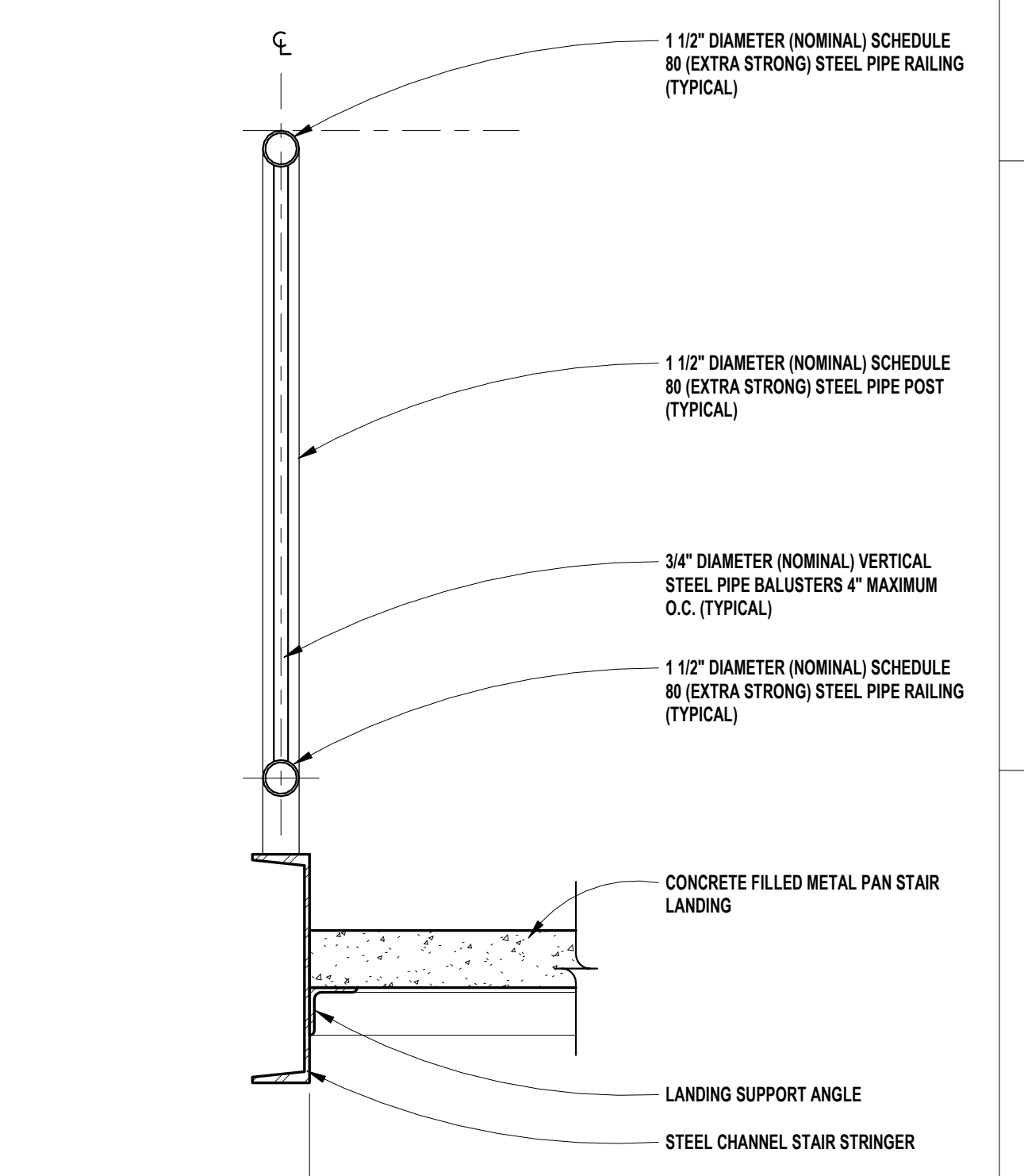
**2** GUARDRAIL AT STAIR RAILING WITH HANDRAIL  
SCALE: 1 1/2" = 1'-0"



**7** STAIR RAILING AT RETURN BETWEEN STAIR RUNS  
SCALE: 1 1/2" = 1'-0"



**4** STAIR RAILING AT BASE OF STAIR RUN 1  
SCALE: 1 1/2" = 1'-0"



**1** GUARDRAIL AT STAIR LANDING  
SCALE: 1 1/2" = 1'-0"



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GLAZING TYPES	
GL-2	1/4" (6mm) CLEAR TEMPERED MONOLITHIC GLASS
GL-4	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS
GL-8	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS w/ TINTED INTERLAYER
GL-13	1" (25mm) CLEAR TEMPERED INSULATING GLASS (LOW-E)
GL-18	1" (25mm) CLEAR TEMPERED INSULATING SPANDREL GLASS
GL-19	1" (25mm) CLEAR TEMPERED INSULATING GLASS (LOW-E) w/ APPLIED FRIT
GL-21	1" (25mm) CLEAR HEAT-STRENGTHENED LAMINATED INSULATING GLASS
GL-23	1" (25mm) CLEAR TEMPERED w/ TINTED INTERLAYER LAMINATED INSULATING GLASS (LOW-E)
FPGL-2	3/4" (19mm) FIRE PROTECTIVE GLAZING (45 MIN)
FRGL-4	1 1/8" (29mm) FIRE RESISTIVE GLAZING (90 MIN, ASTM E119)
SSGL1	MONOLITHIC SECURITY GLAZING
SSGL2	INSULATED SECURITY GLAZING

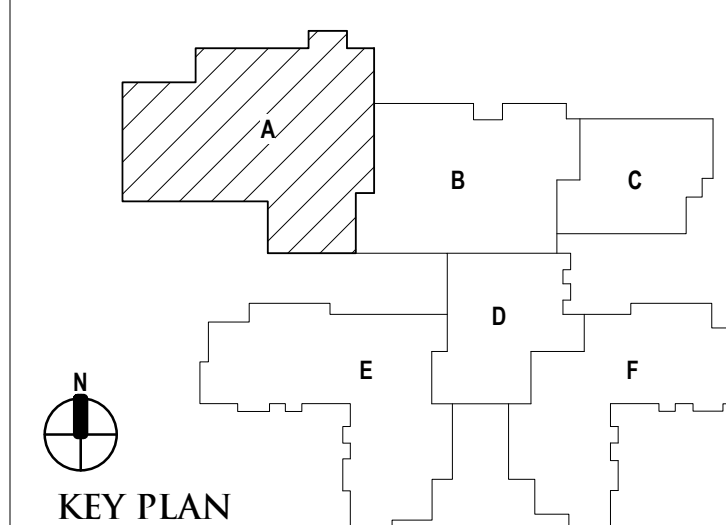
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Interior Elevations**



ISSUE DATES

DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:

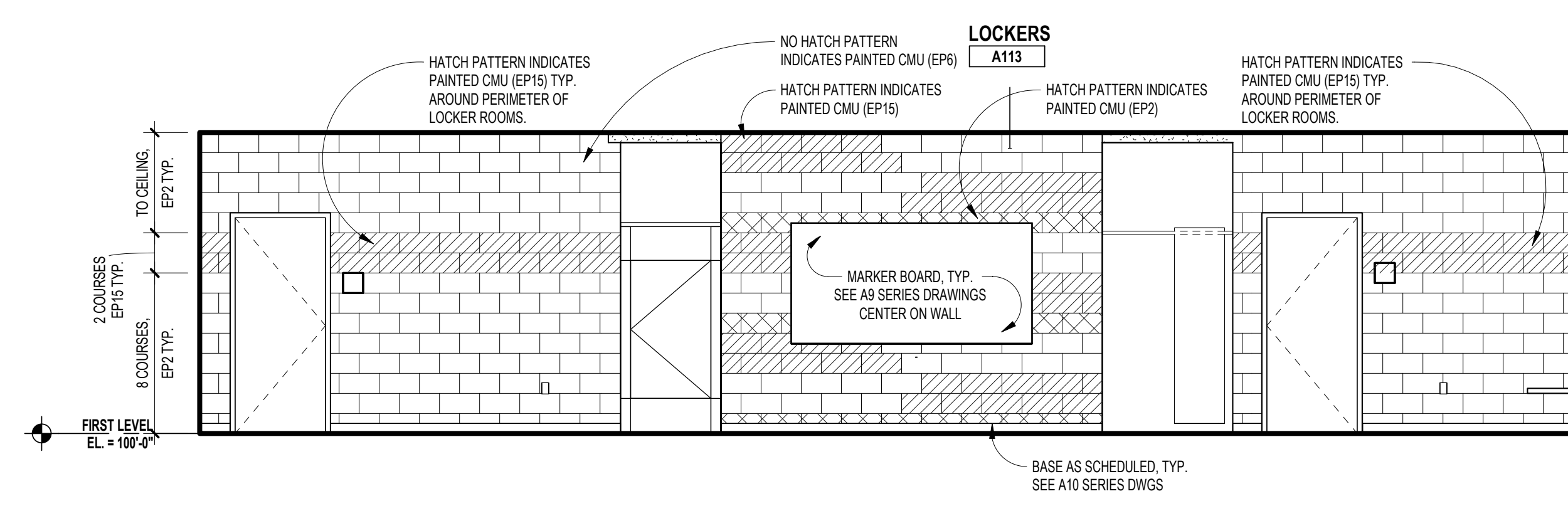
DRAWN *do*  
 CHECKED *ju*  
 APPROVED *dt*

PROJECT NO.

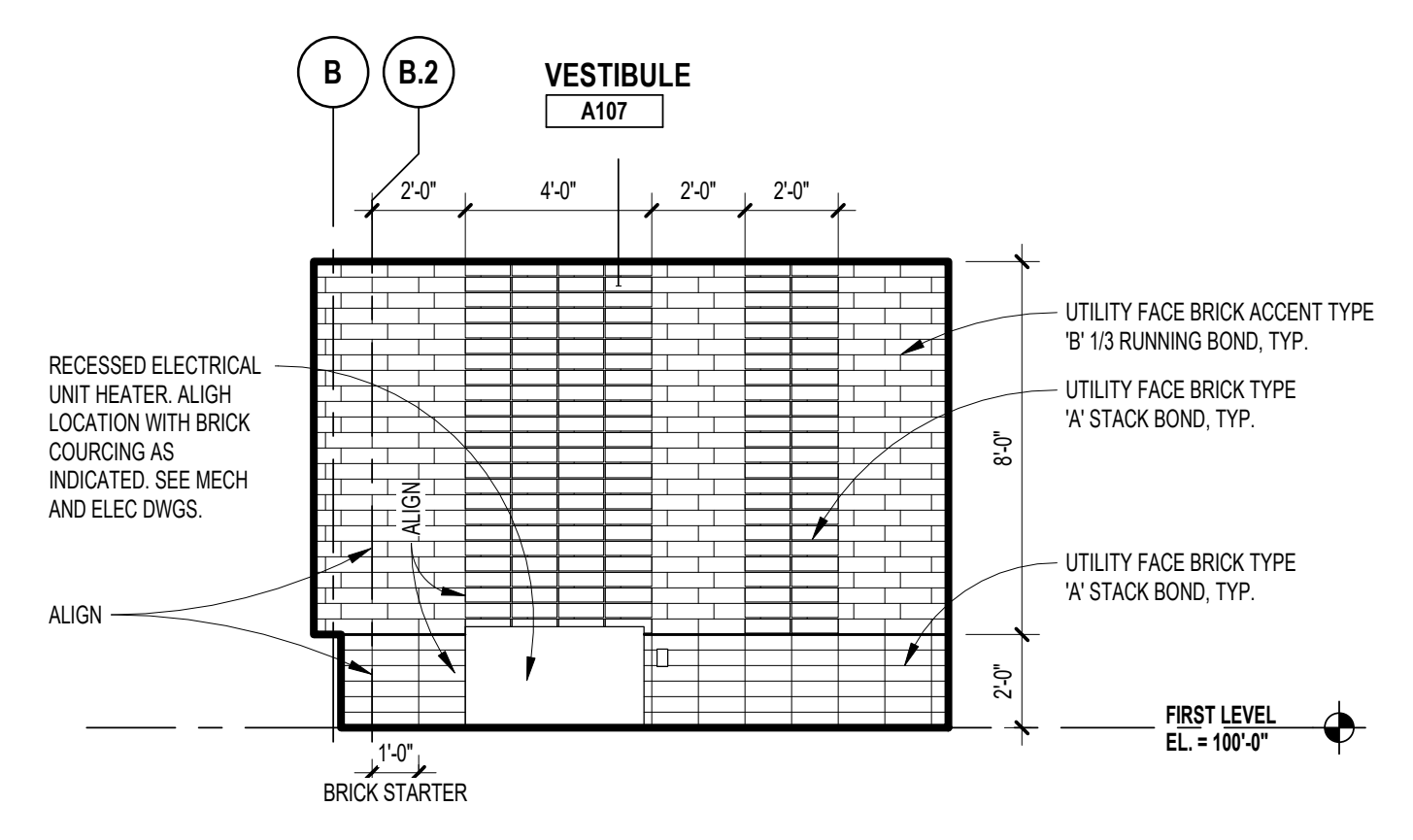
**22102**

DRAWING NO.

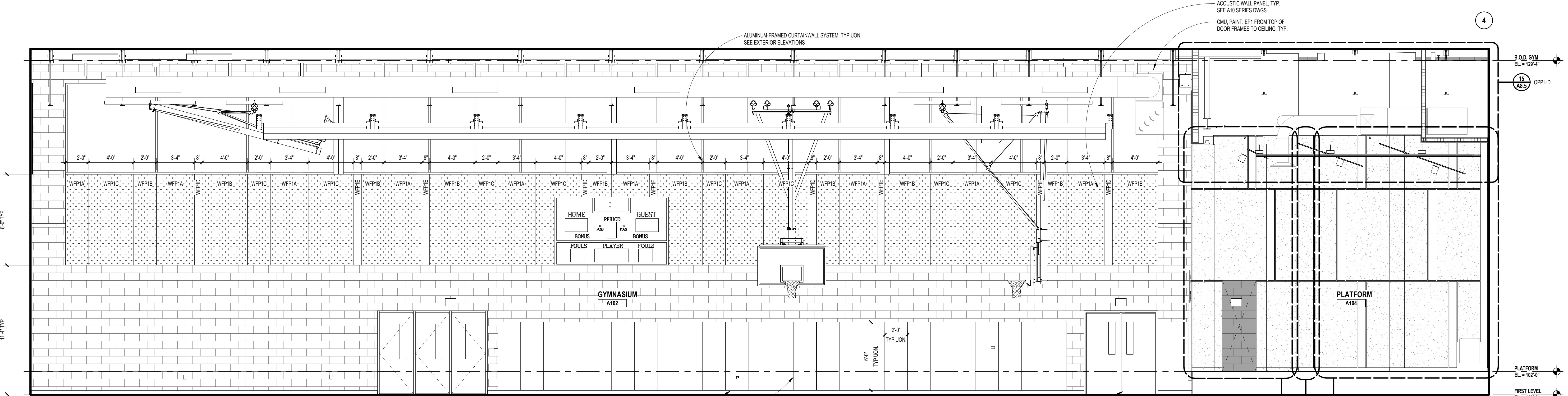
**A7.1**



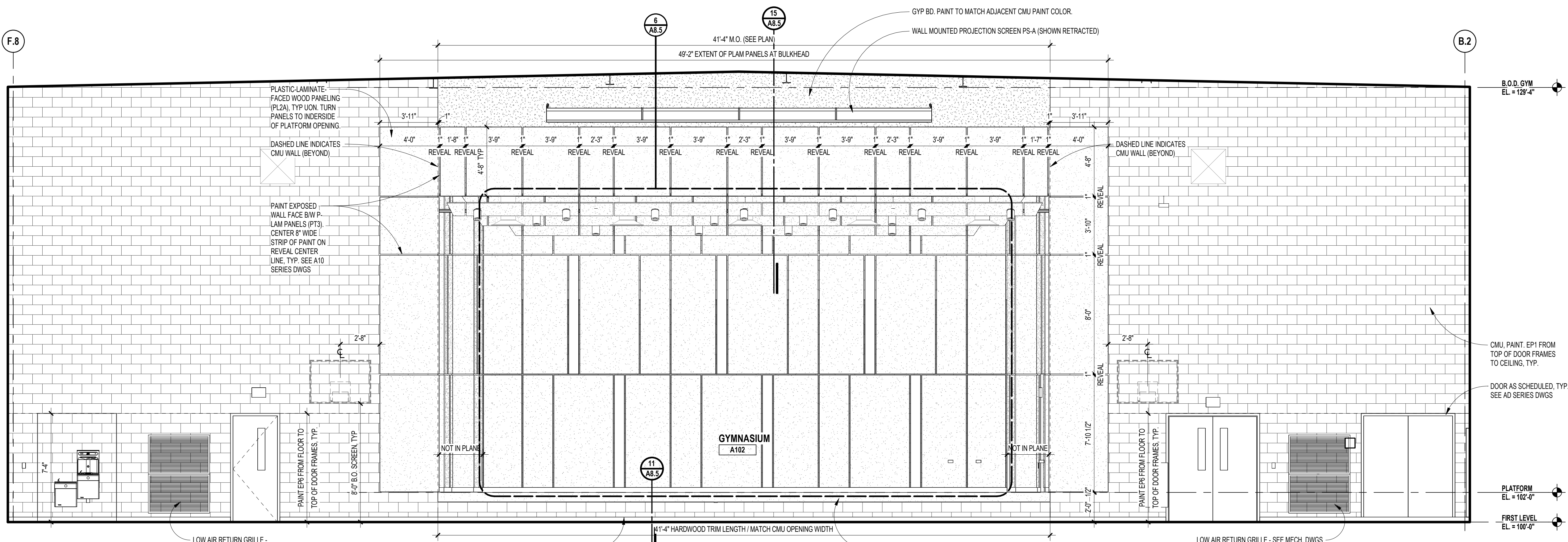
**4** INTERIOR ELEVATION - LOCKER ROOM  
 SCALE: 1/4" = 1'-0"



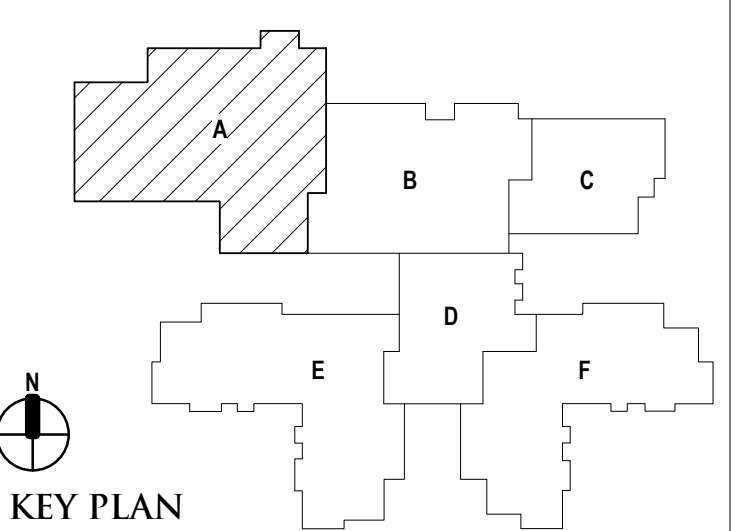
**3** INTERIOR ELEVATION - VESTIBULE  
 SCALE: 1/4" = 1'-0"



**2** INTERIOR ELEVATION - GYMNASIUM  
 SCALE: 1/4" = 1'-0"

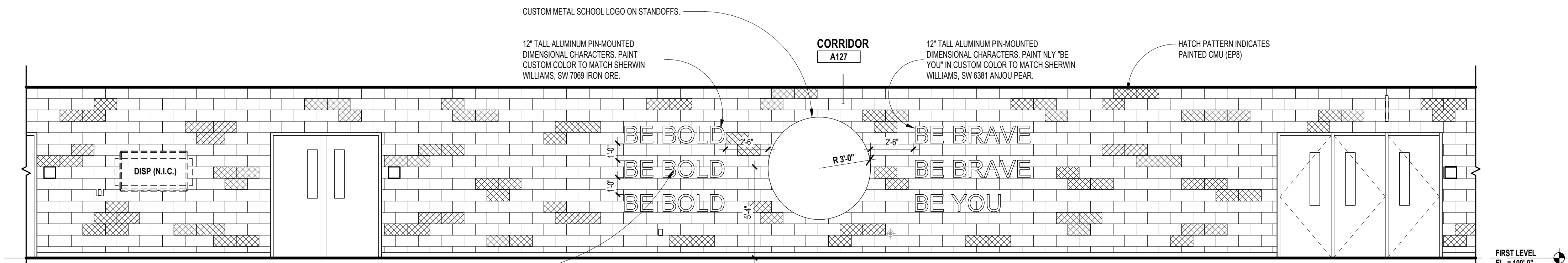


**1** INTERIOR ELEVATION - GYMNASIUM  
 SCALE: 1/4" = 1'-0"

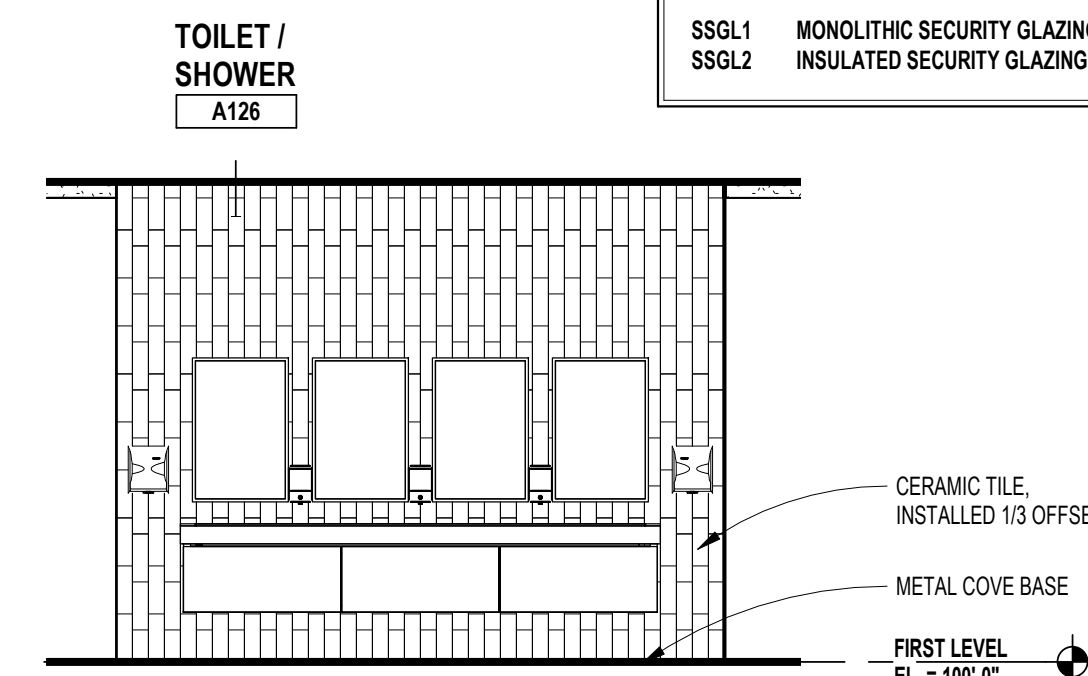


**GLAZING TYPES**

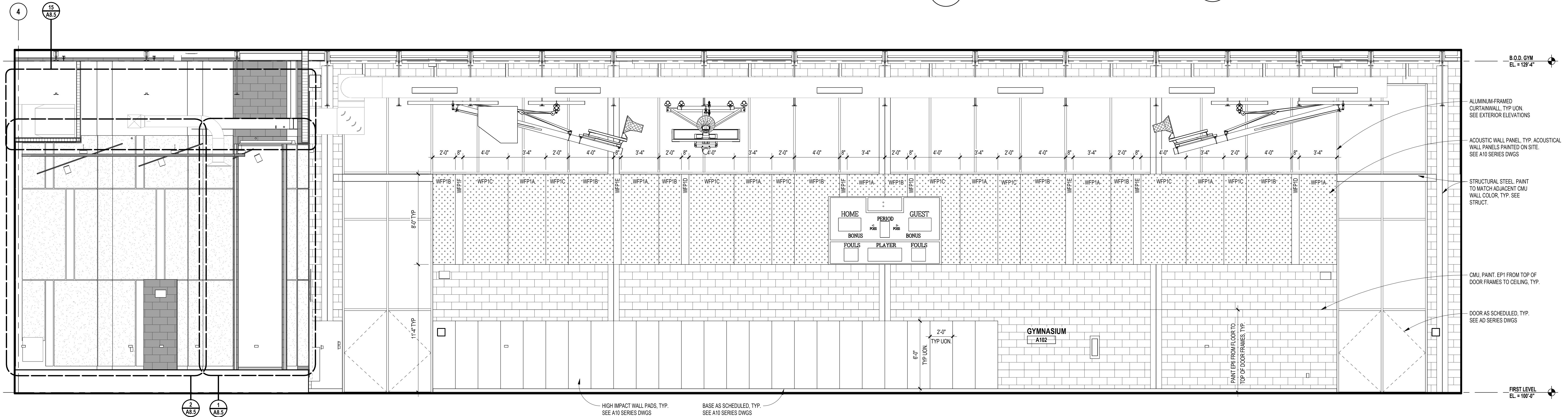
GL-2	1/4" (6mm) CLEAR TEMPERED MONOLITHIC GLASS
GL-4	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS
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FRGL-4	1 1/8" (29mm) FIRE RESISTIVE GLAZING (60 MIN, ASTM E119)
SSGL1	MONOLITHIC SECURITY GLAZING
SSGL2	INSULATED SECURITY GLAZING



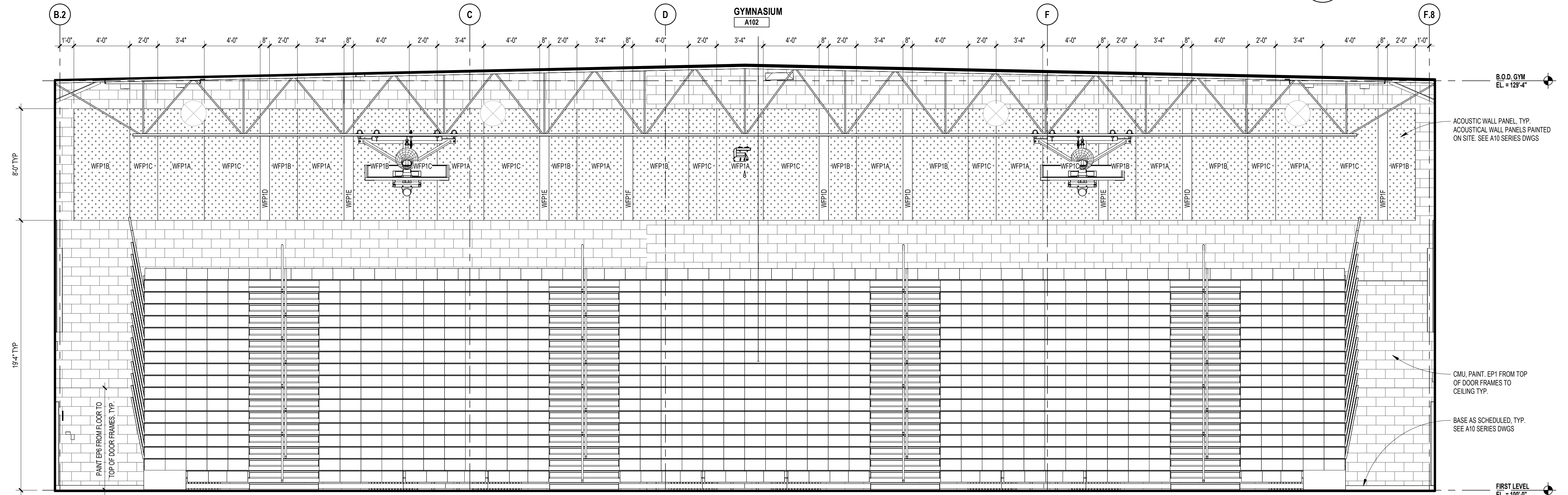
**4 INTERIOR ELEVATION - GYM CORRIDOR**  
 SCALE: 1/4" = 1'-0"



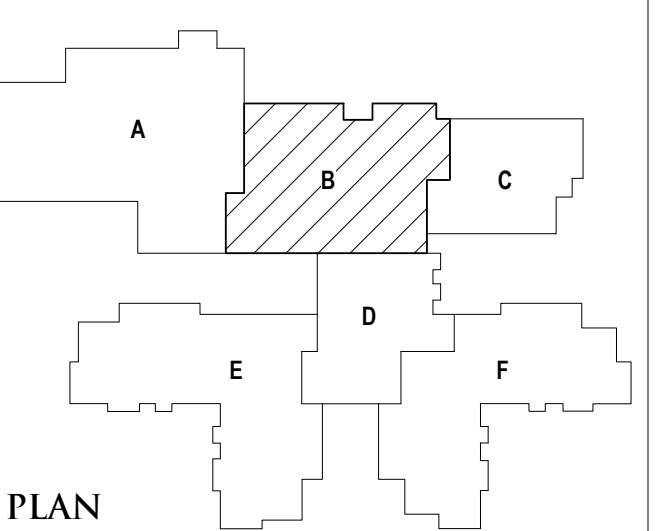
**3 INTERIOR ELEVATION - TOILET**  
 SCALE: 1/4" = 1'-0"



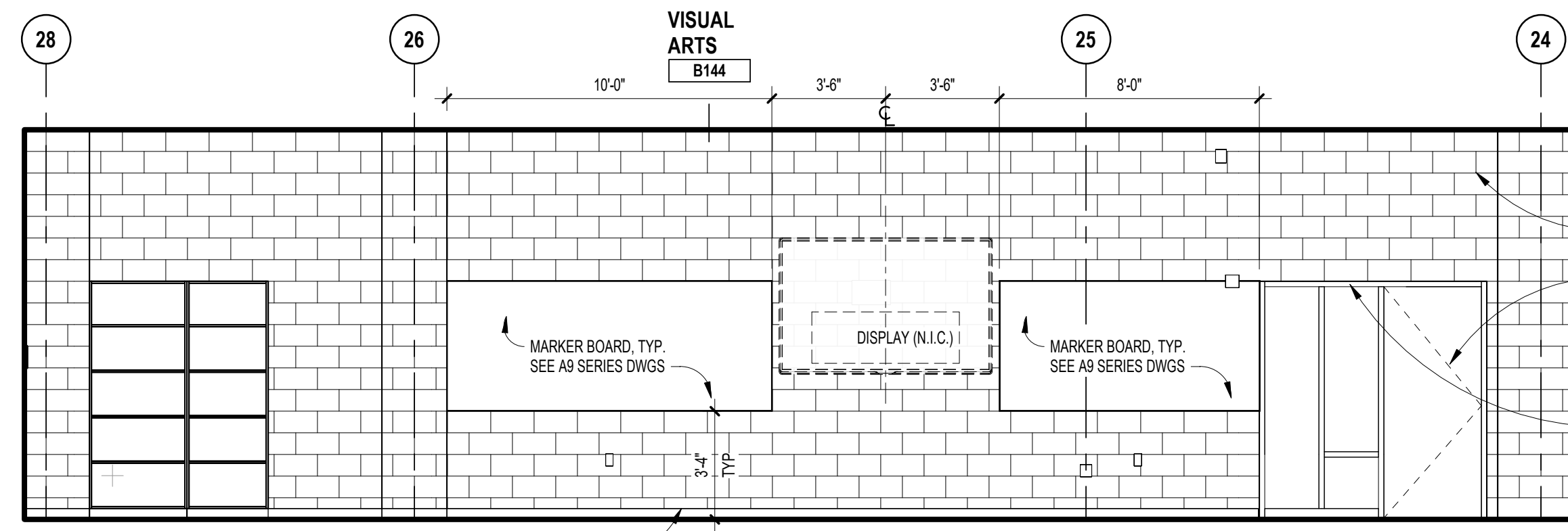
**2 INTERIOR ELEVATION - GYMNASIUM**  
 SCALE: 1/4" = 1'-0"



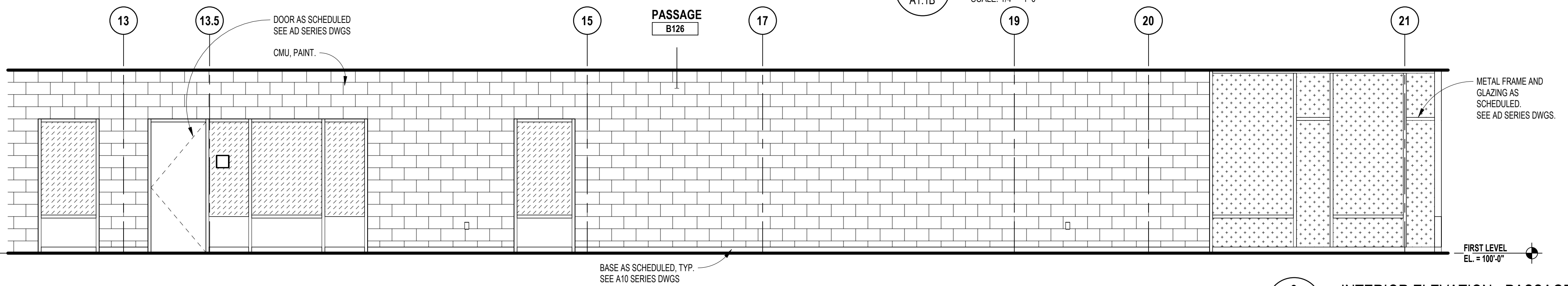
**1 INTERIOR ELEVATION - GYMNASIUM**  
 SCALE: 1/4" = 1'-0"



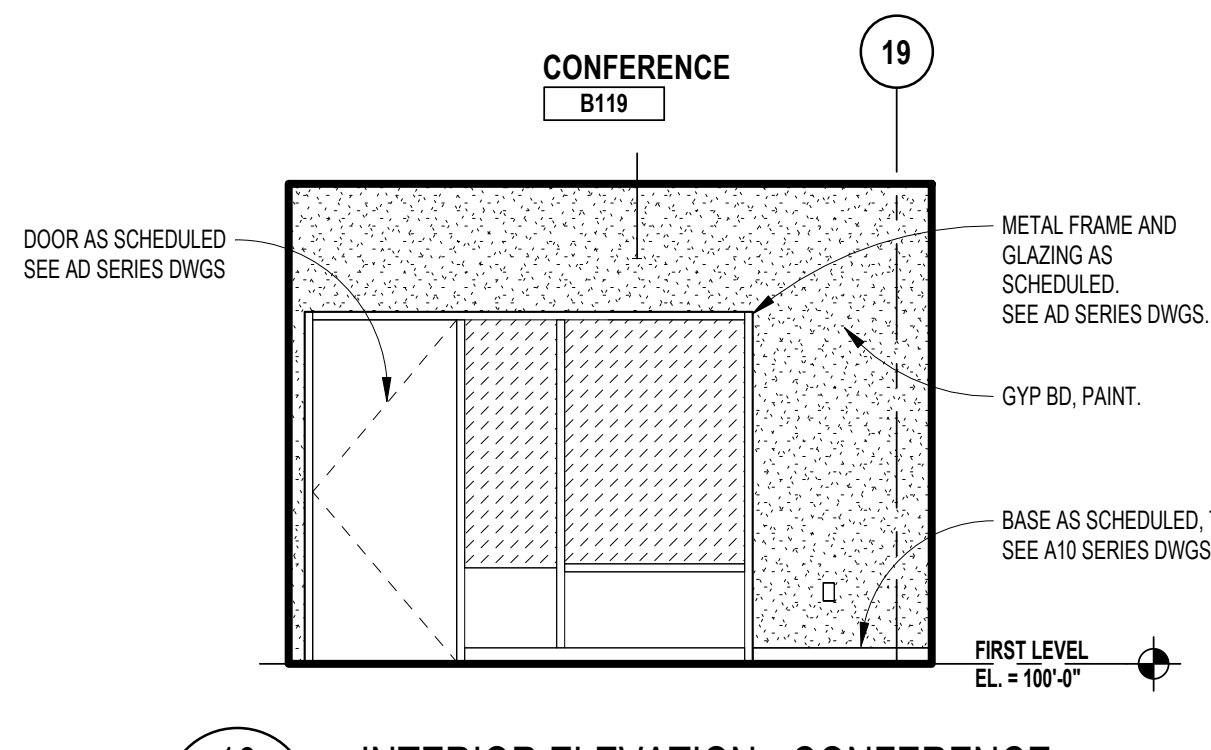
GLAZING TYPES	
GL-2	1/4" (6mm) CLEAR TEMPERED MONOLITHIC GLASS
GL-4	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS
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SSGL1	MONOLITHIC SECURITY GLAZING
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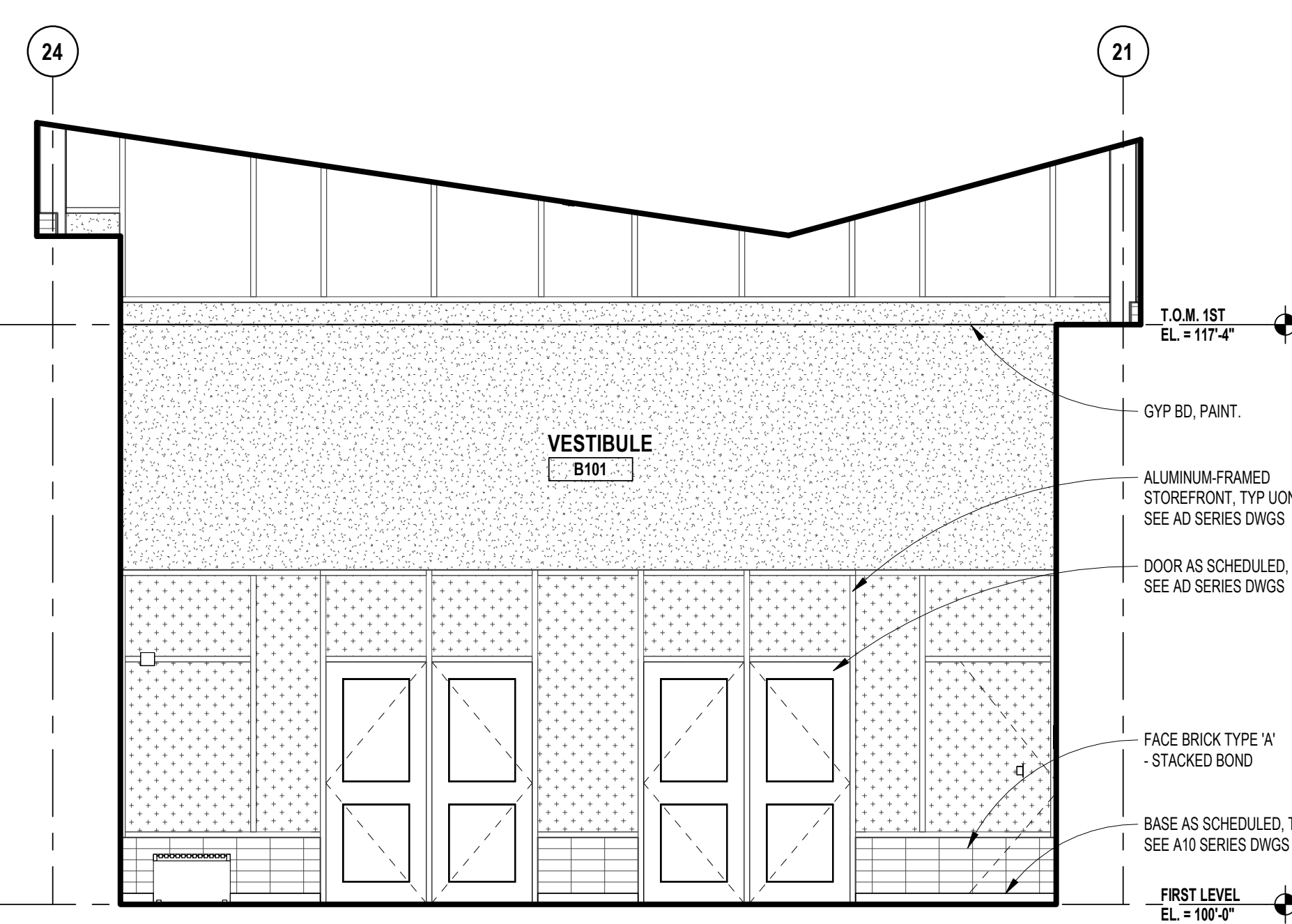
**11**  
 A1.1B  
 INTERIOR ELEVATION - ART  
 SCALE: 1/4" = 1'-0"



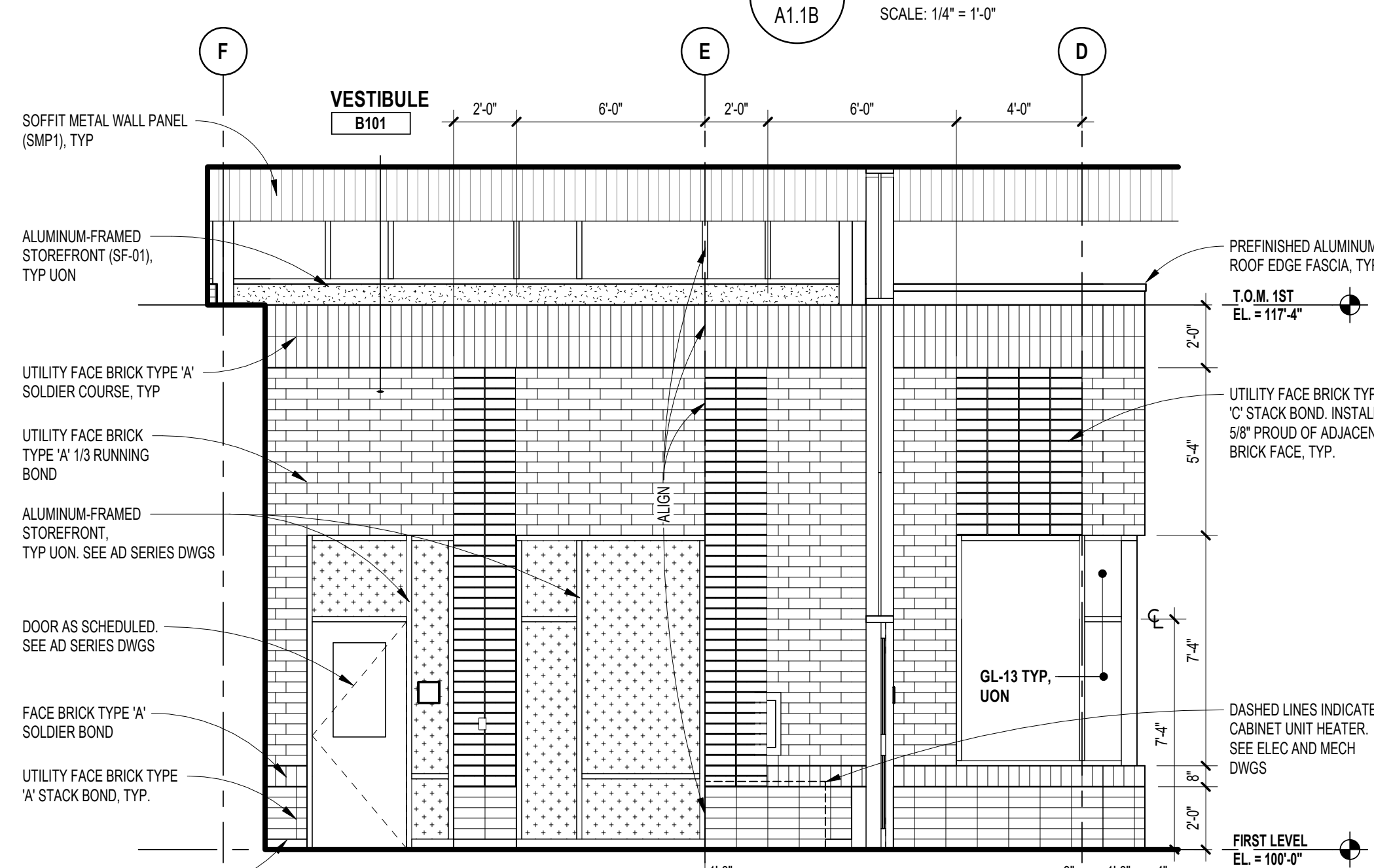
**9**  
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 INTERIOR ELEVATION - PASSAGE  
 SCALE: 1/4" = 1'-0"



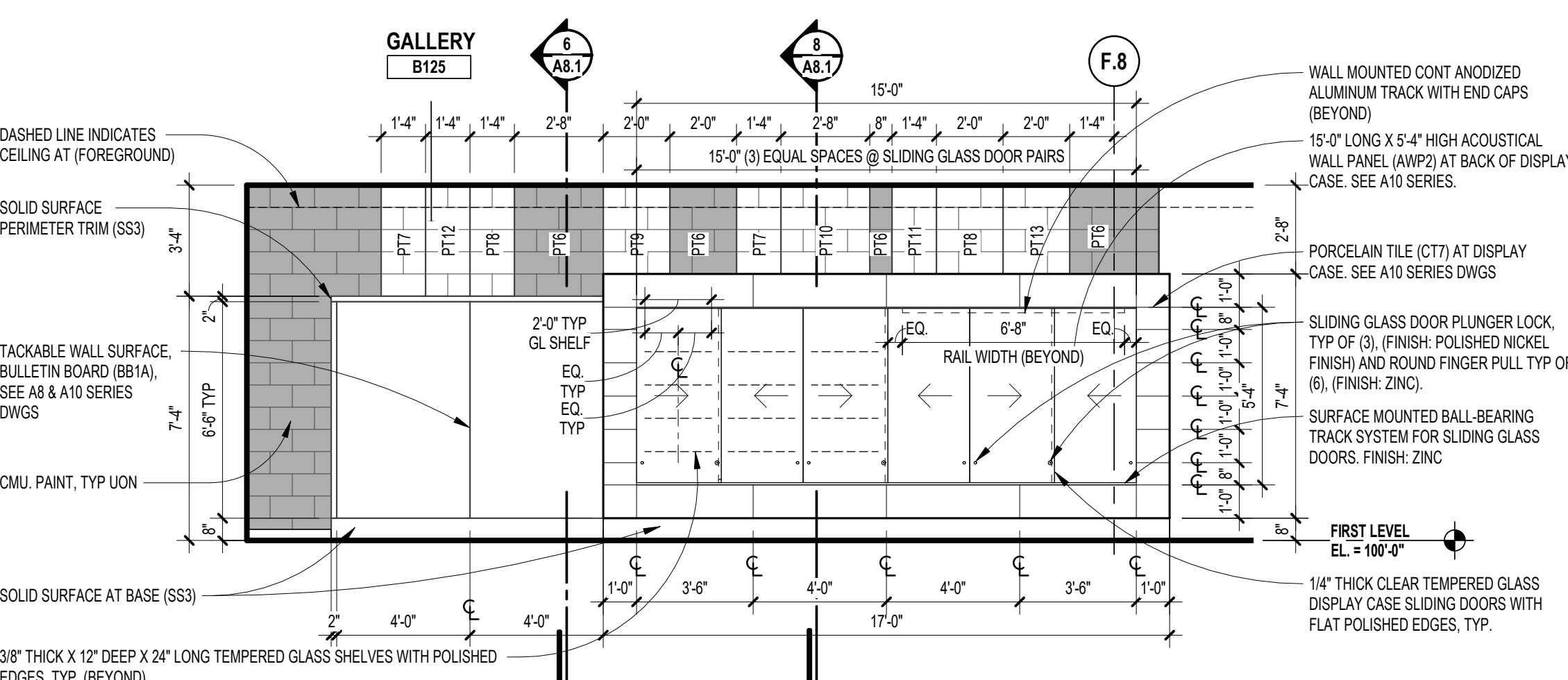
**10**  
 A1.1B  
 INTERIOR ELEVATION - CONFERENCE  
 SCALE: 1/4" = 1'-0"



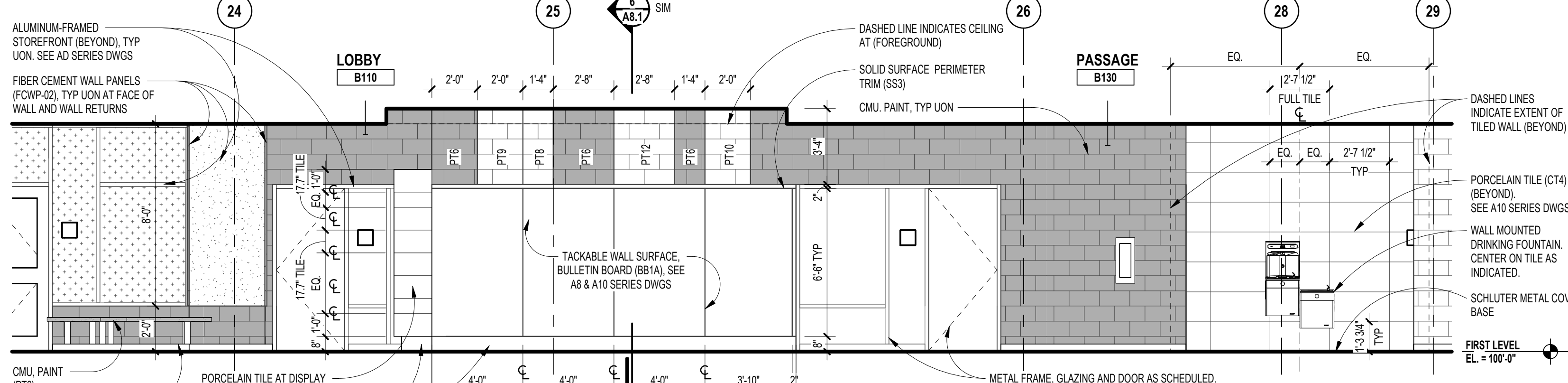
**7**  
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 INTERIOR ELEVATION - VESTIBULE  
 SCALE: 1/4" = 1'-0"



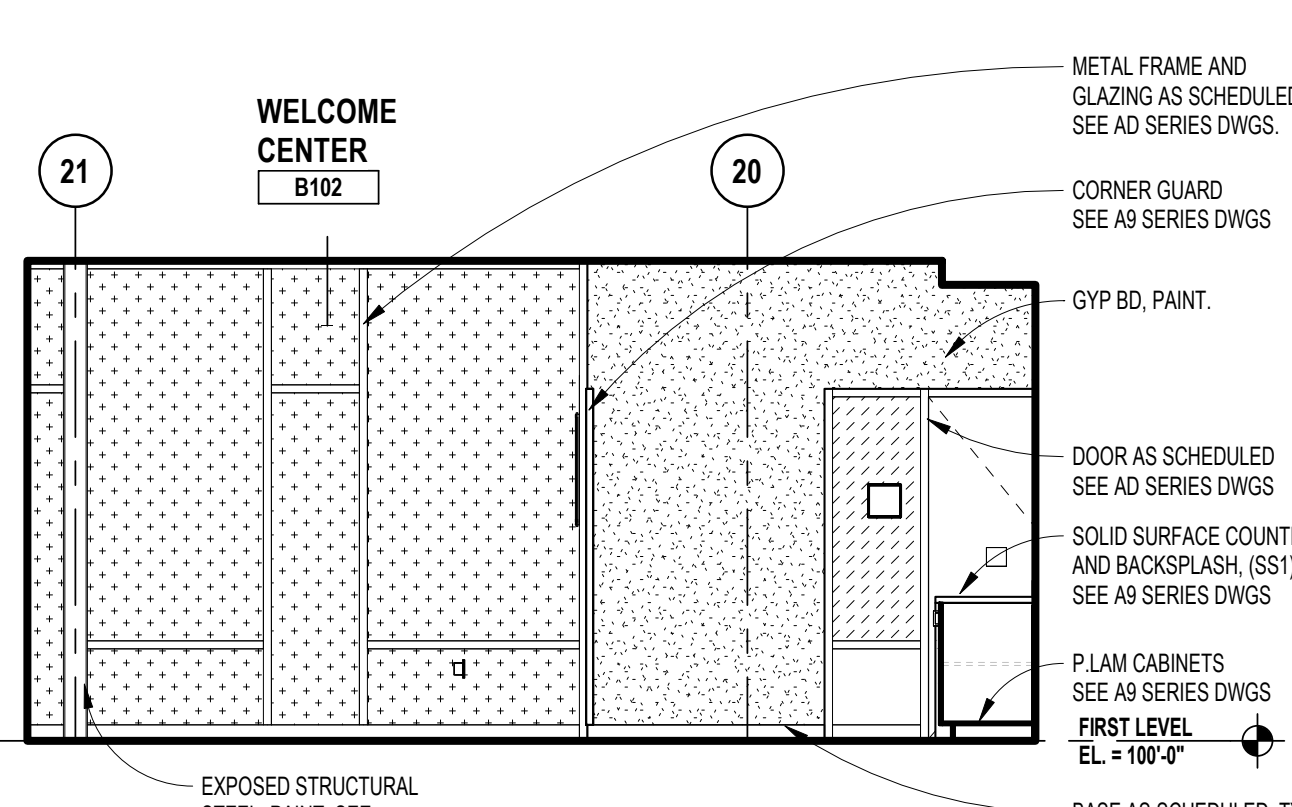
**6**  
 A1.1B  
 INTERIOR ELEVATION - VESTIBULE  
 SCALE: 1/4" = 1'-0"



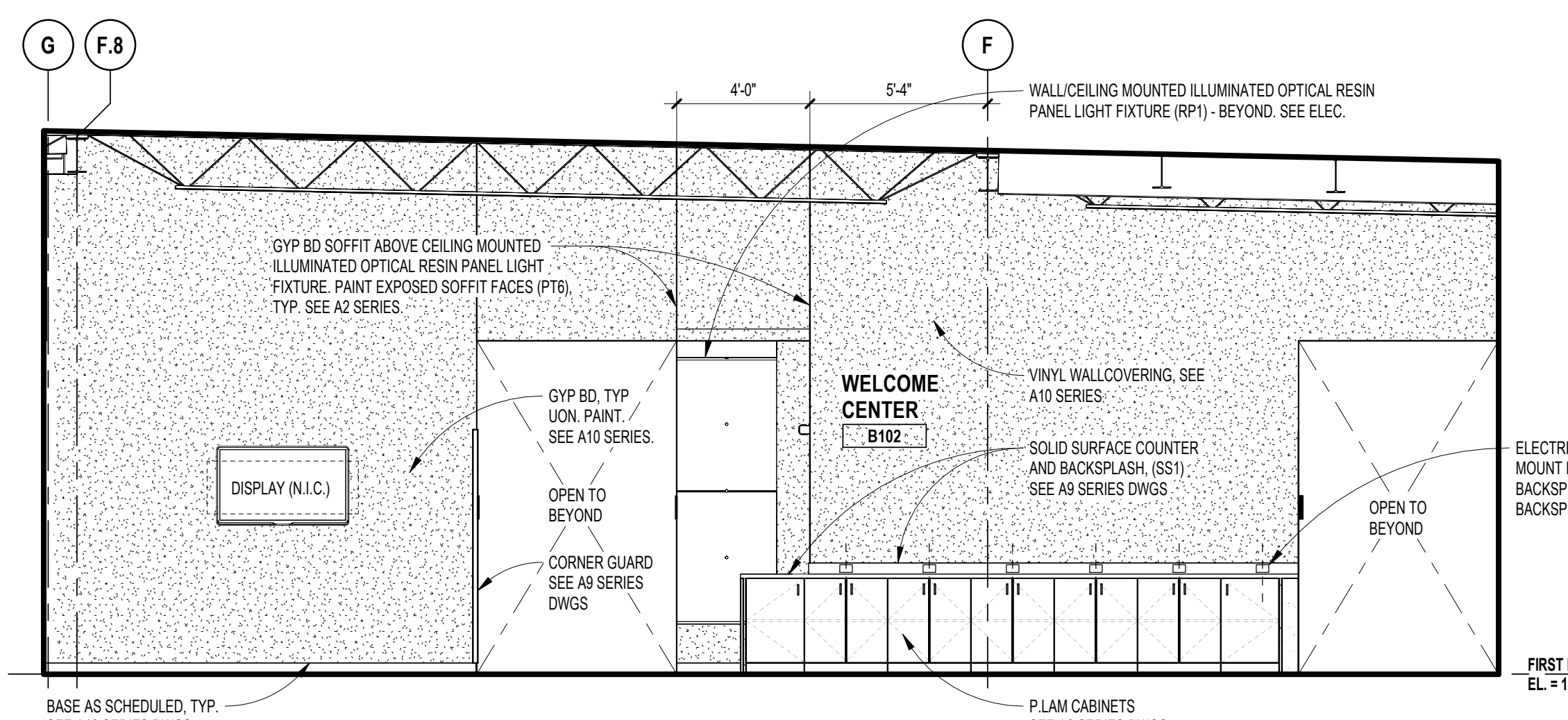
**8**  
 A8.1  
 INTERIOR ELEVATION - GALLERY  
 SCALE: 1/4" = 1'-0"



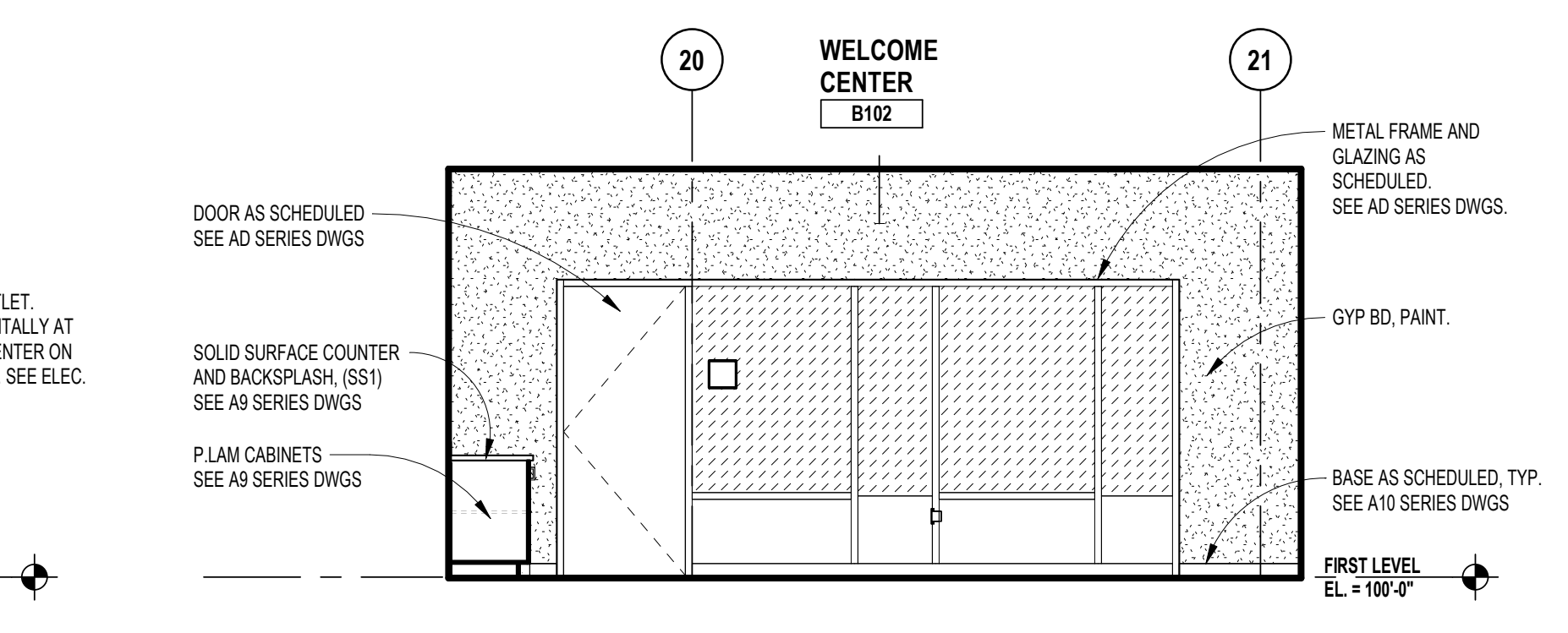
**5**  
 INTERIOR ELEVATION - GALLERY  
 SCALE: 1/4" = 1'-0"



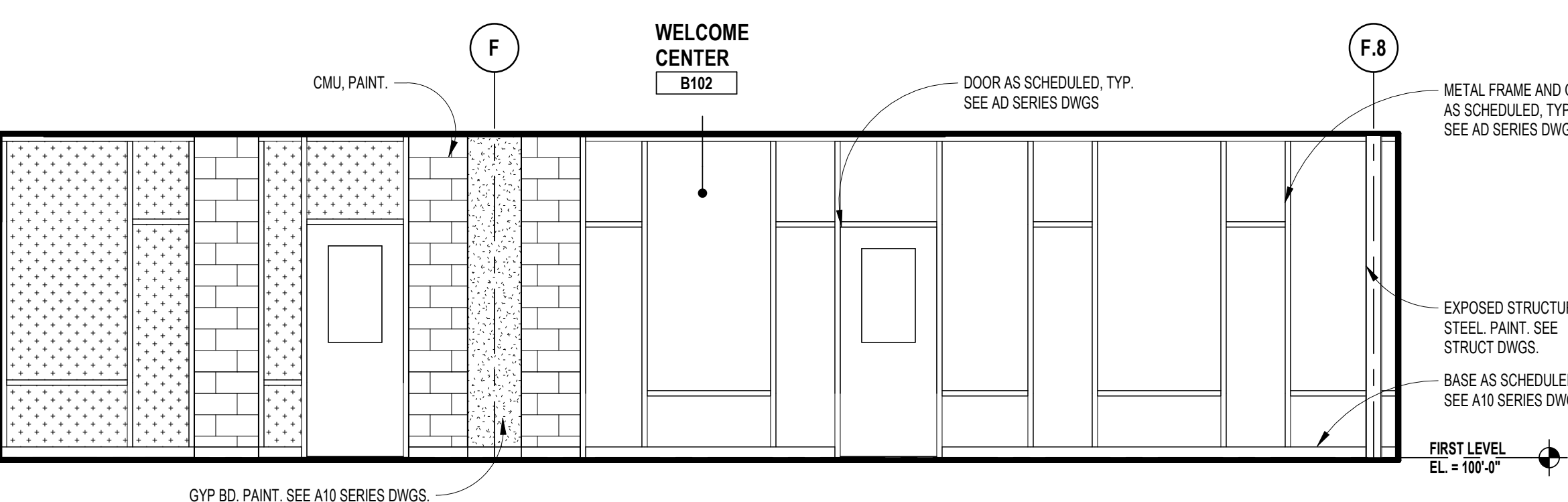
**4**  
 A1.1B  
 INTERIOR ELEVATION - WELCOME CENTER  
 SCALE: 1/4" = 1'-0"



**3**  
 A1.1B  
 INTERIOR ELEVATION - WELCOME CENTER  
 SCALE: 1/4" = 1'-0"



**2**  
 A1.1B  
 INTERIOR ELEVATION - WELCOME CENTER  
 SCALE: 1/4" = 1'-0"



**1**  
 A1.1B  
 INTERIOR ELEVATION - WELCOME CENTER  
 SCALE: 1/4" = 1'-0"



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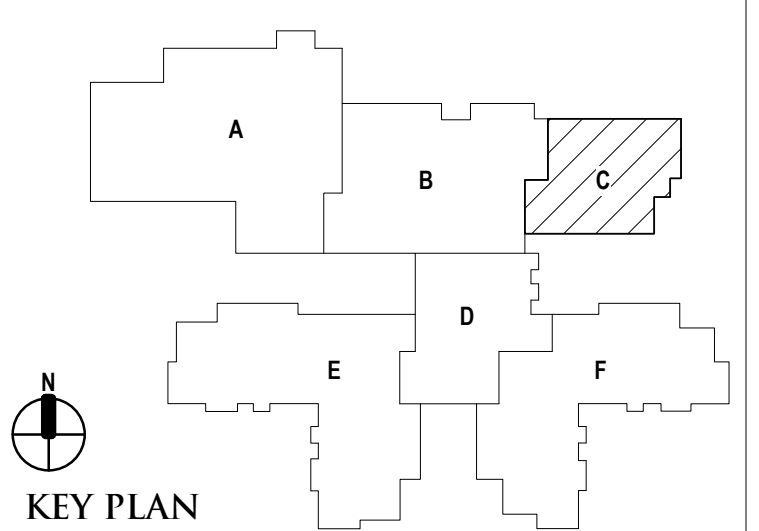
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Interior Elevations**



ISSUE DATES

06-18-2024 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN do

CHECKED jw

APPROVED dt

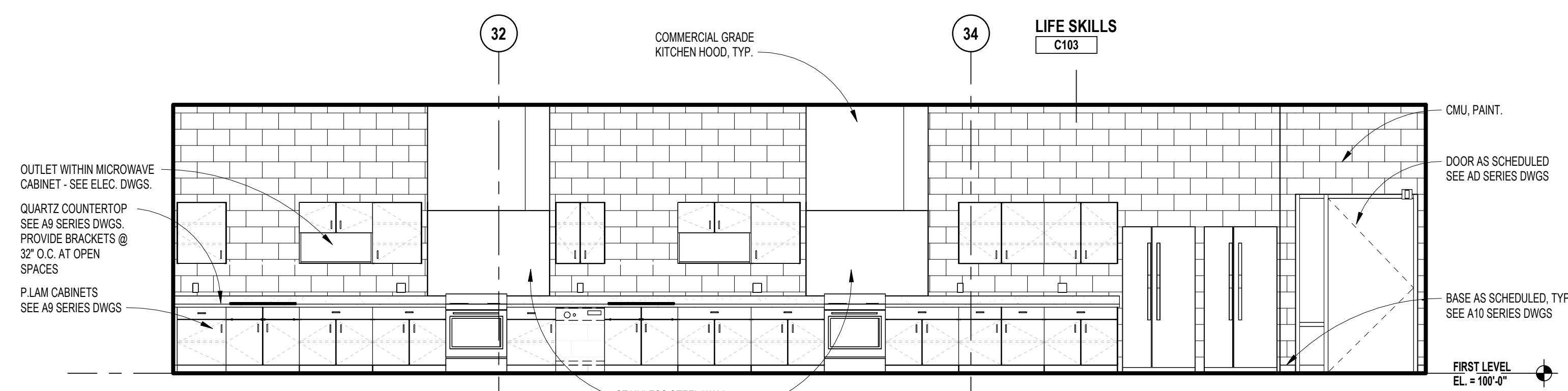
PROJECT NO.

**22102**

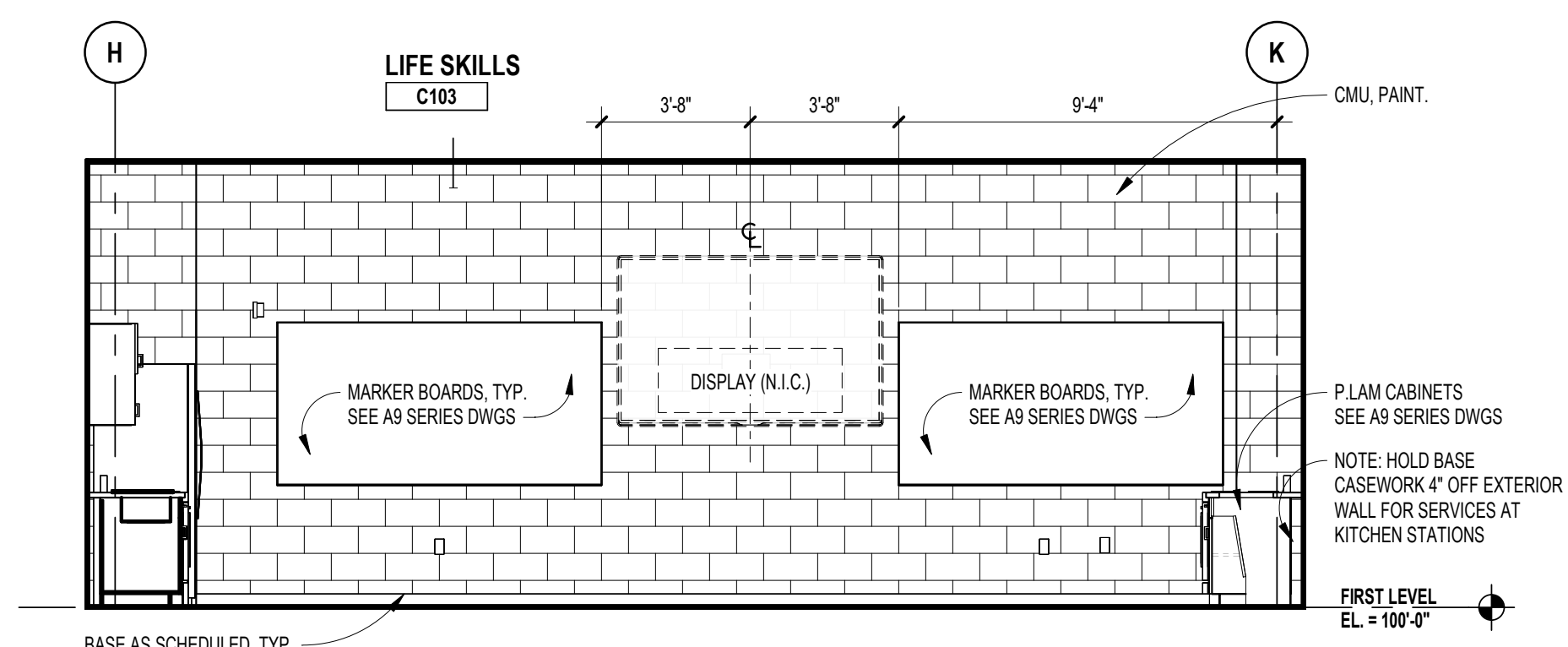
DRAWING NO.

**A7.4**

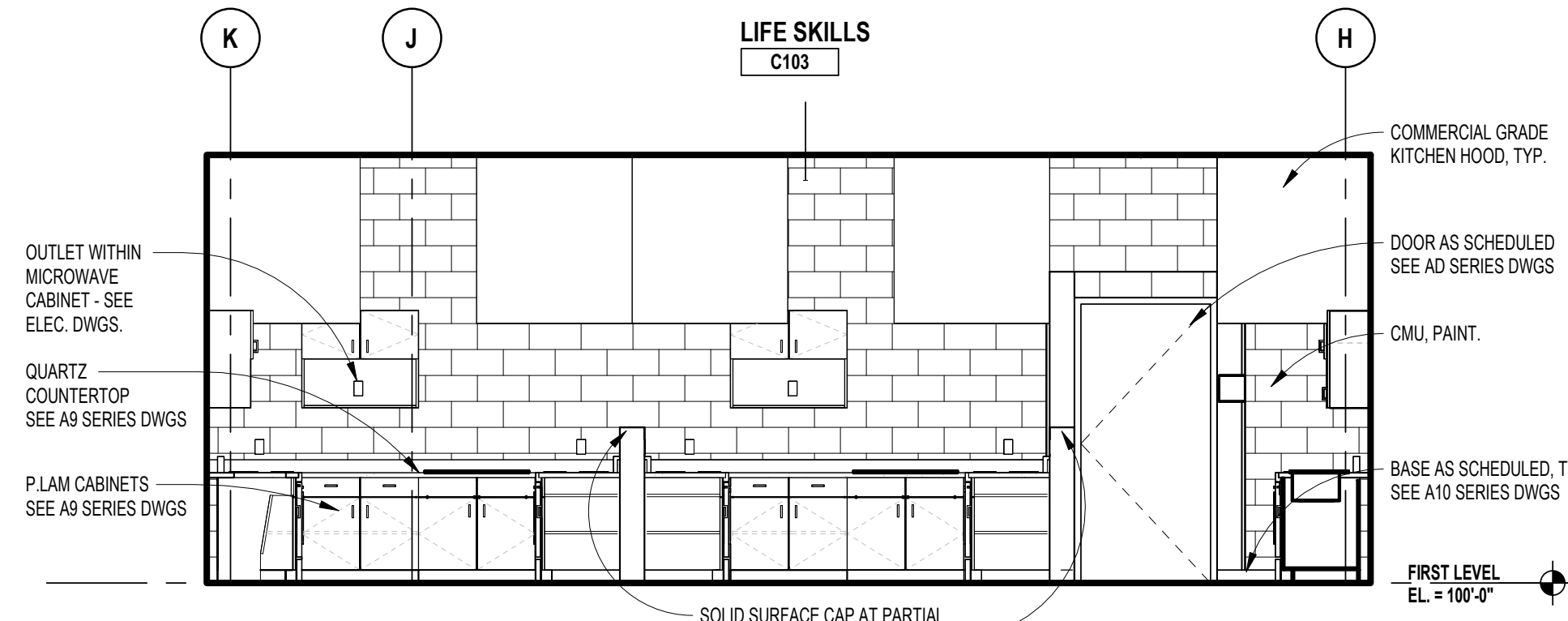
GLAZING TYPES	
GL-2	1/4" (6mm) CLEAR TEMPERED MONOLITHIC GLASS
GL-4	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS
GL-8	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS w/ TINTED INTERLAYER
GL-13	1" (25mm) CLEAR TEMPERED INSULATING GLASS (LOW-E)
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FPGL-2	3/4" (19mm) FIRE PROTECTIVE GLAZING (45 MIN)
FRGL-4	1 1/8" (29mm) FIRE RESISTIVE GLAZING (60 MIN, ASTM E119)
SSGL1	MONOLITHIC SECURITY GLAZING
SSGL2	INSULATED SECURITY GLAZING



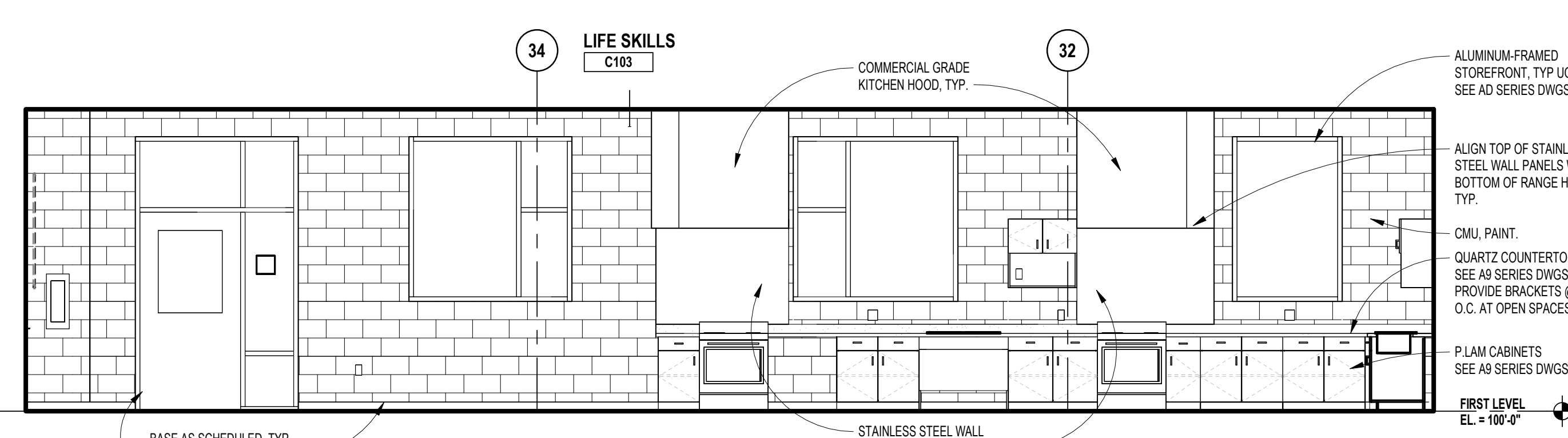
16 INTERIOR ELEVATION - LIFE SKILLS  
A1.1B SCALE: 1/4" = 1'-0"



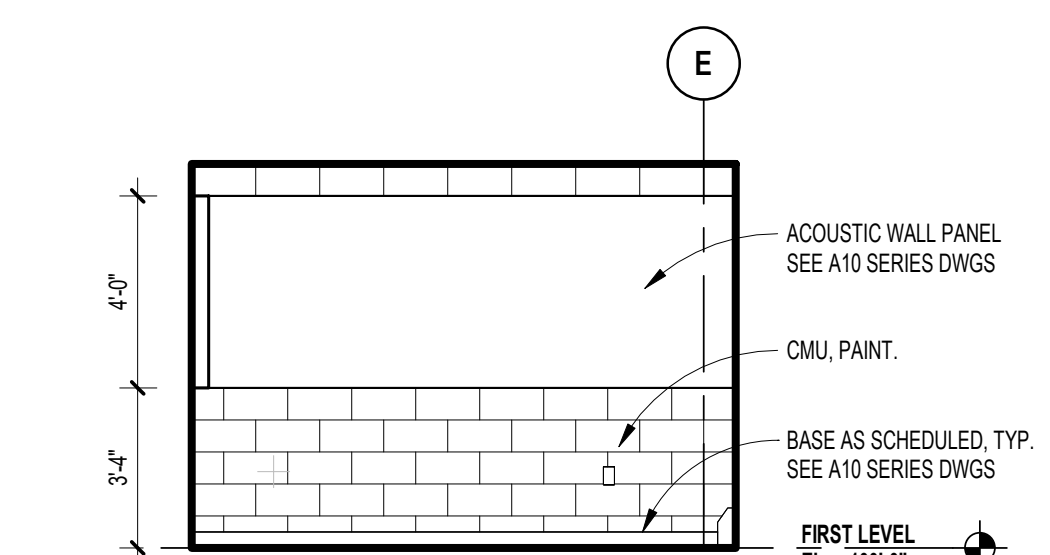
15 INTERIOR ELEVATION - LIFE SKILLS  
A1.1C SCALE: 1/4" = 1'-0"



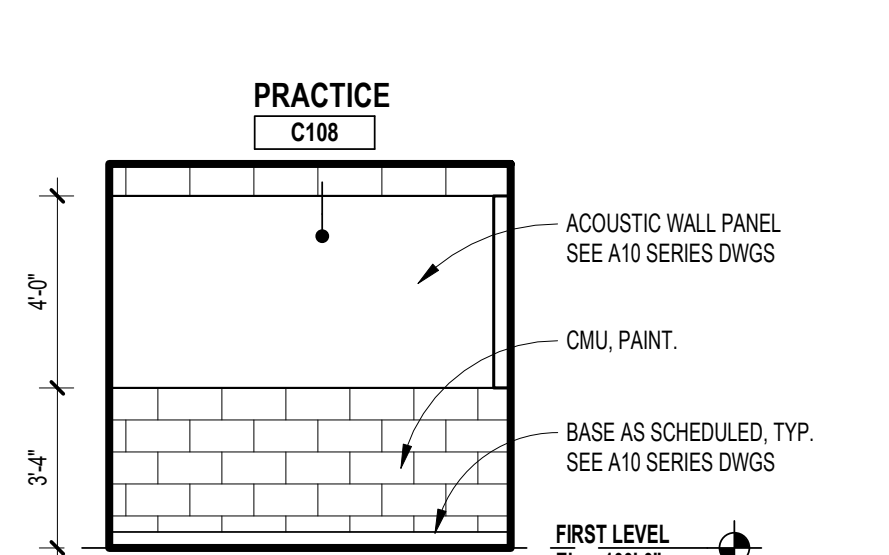
14 INTERIOR ELEVATION - LIFE SKILLS  
A1.1C SCALE: 1/4" = 1'-0"



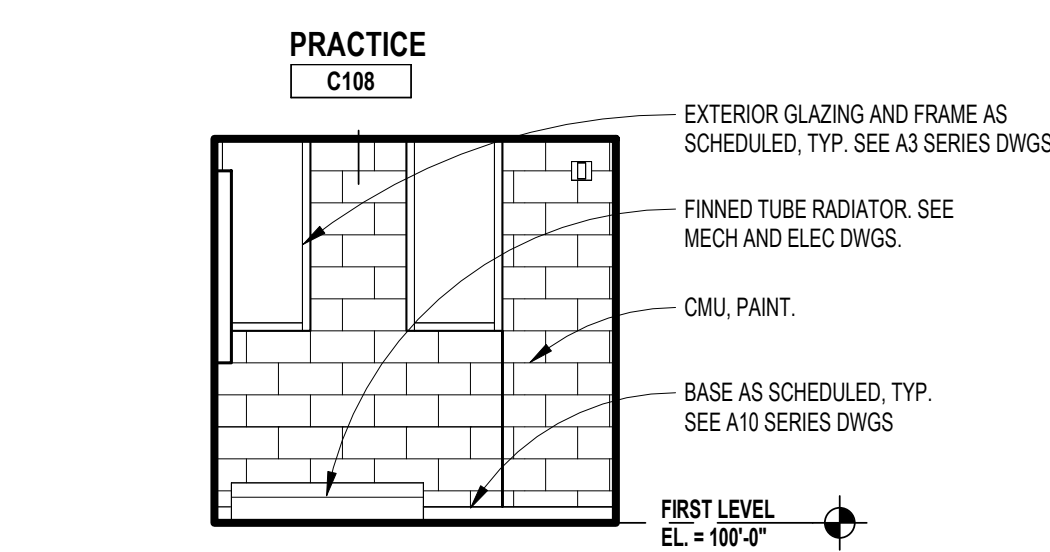
13 INTERIOR ELEVATION - LIFE SKILLS  
A1.1B SCALE: 1/4" = 1'-0"



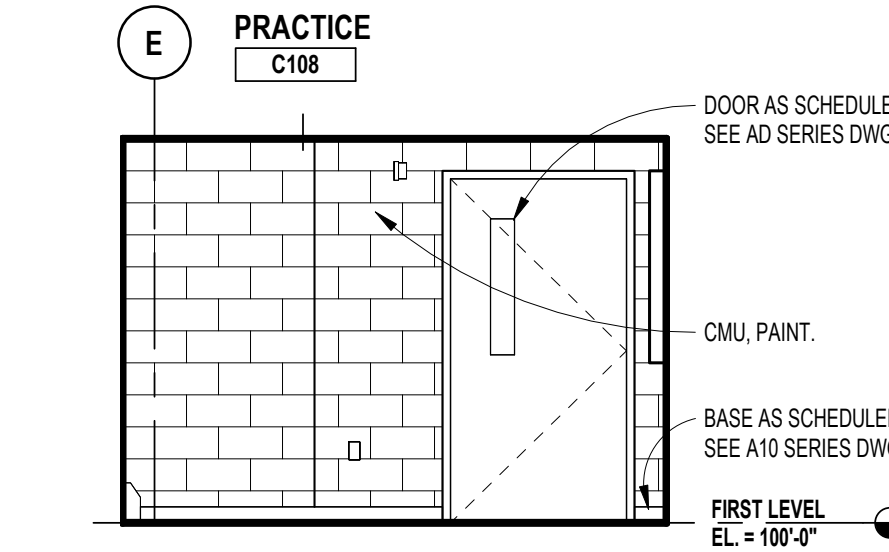
12 INTERIOR ELEVATION - PRACTICE  
A1.1C SCALE: 1/4" = 1'-0"



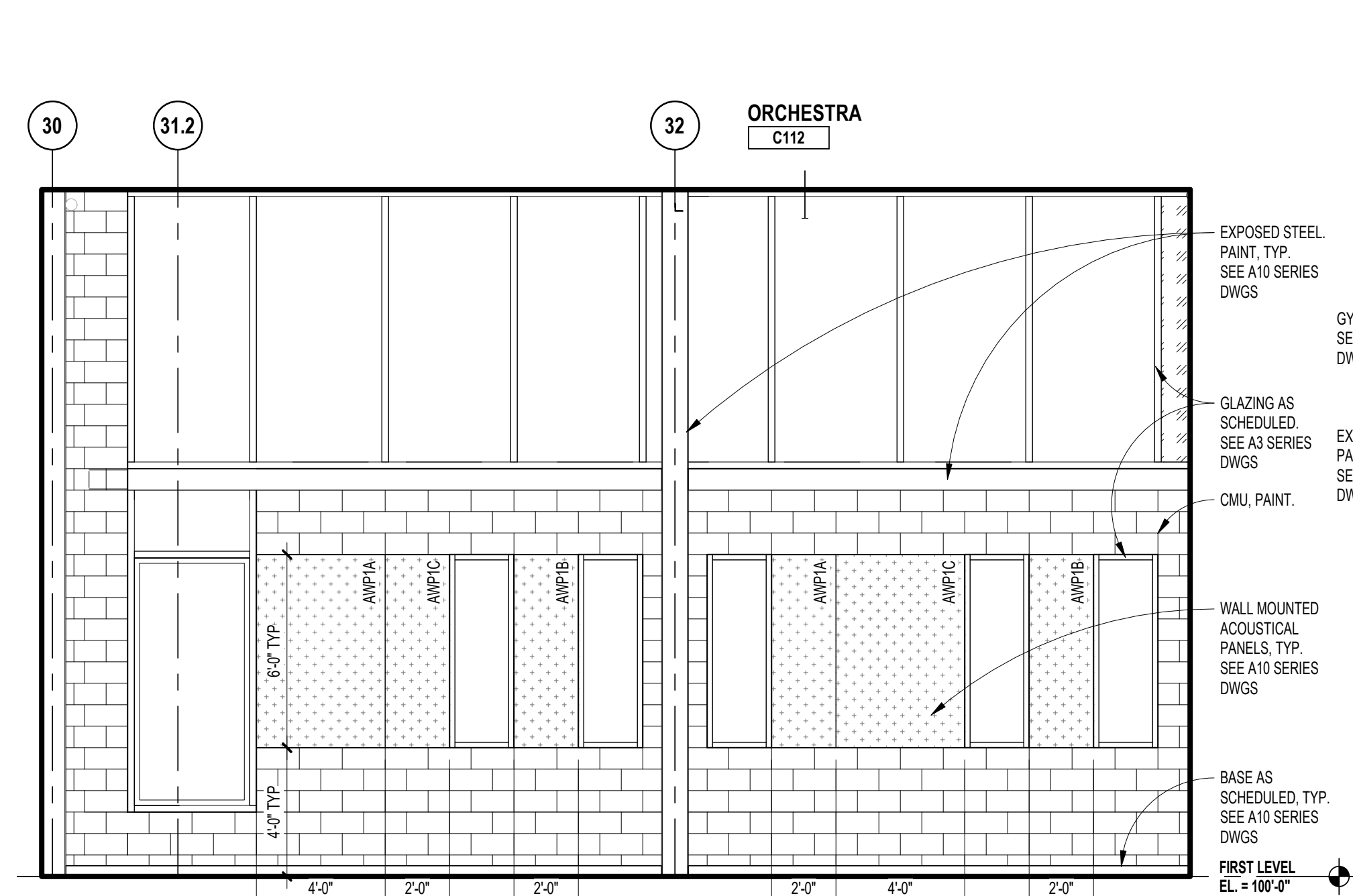
11 INTERIOR ELEVATION - PRACTICE  
A1.1C SCALE: 1/4" = 1'-0"



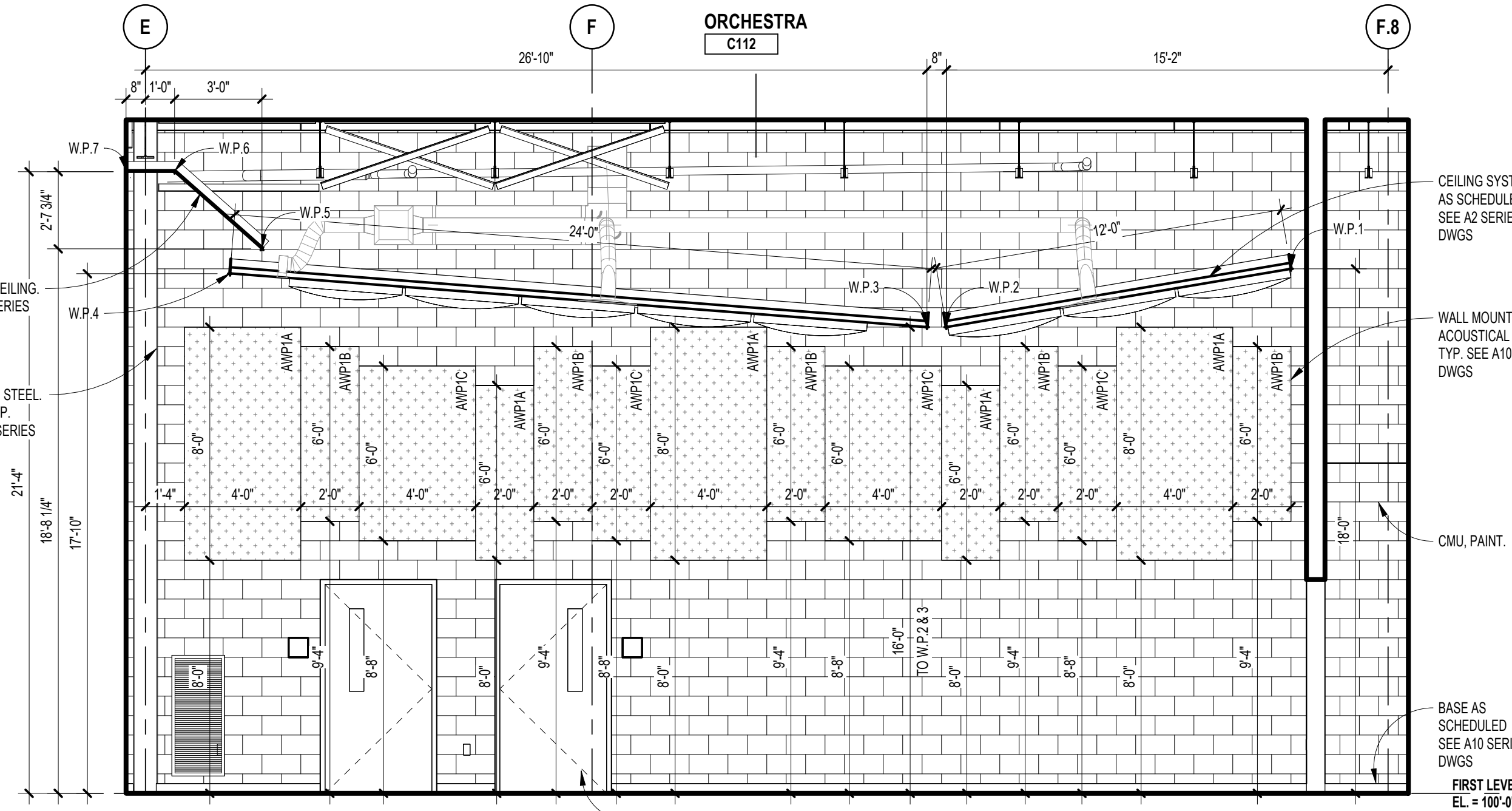
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A1.1C SCALE: 1/4" = 1'-0"



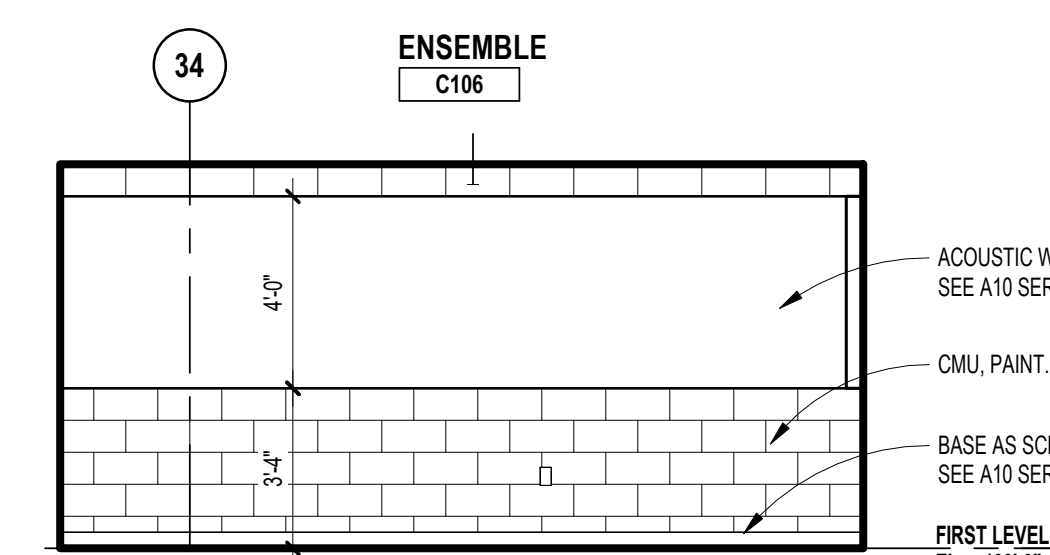
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A1.1C SCALE: 1/4" = 1'-0"



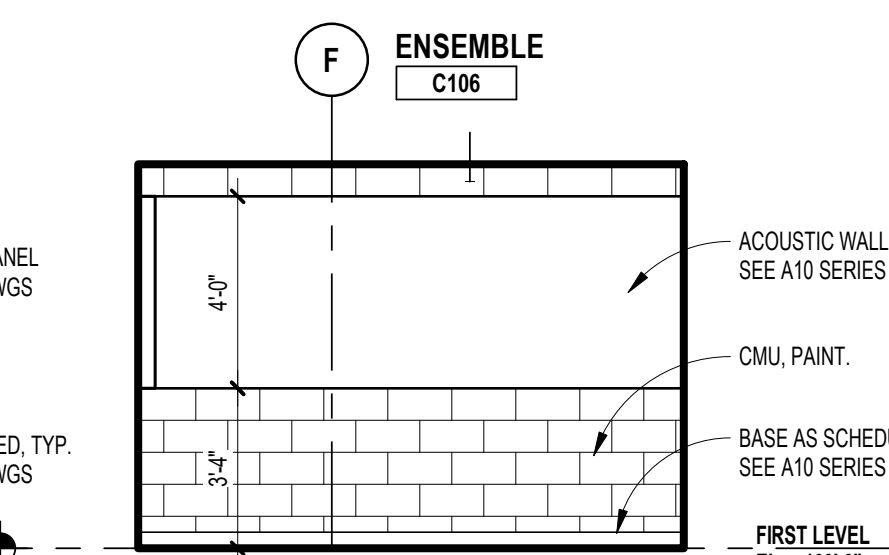
8 INTERIOR ELEVATION - ORCHESTRA  
A1.1C SCALE: 1/4" = 1'-0"



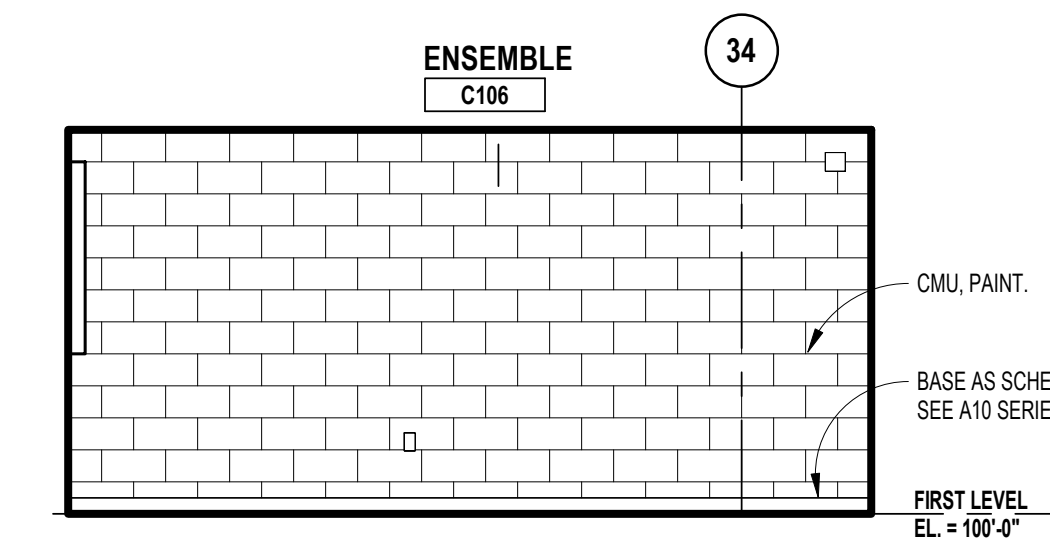
7 INTERIOR ELEVATION - ORCHESTRA  
A1.1C SCALE: 1/4" = 1'-0"



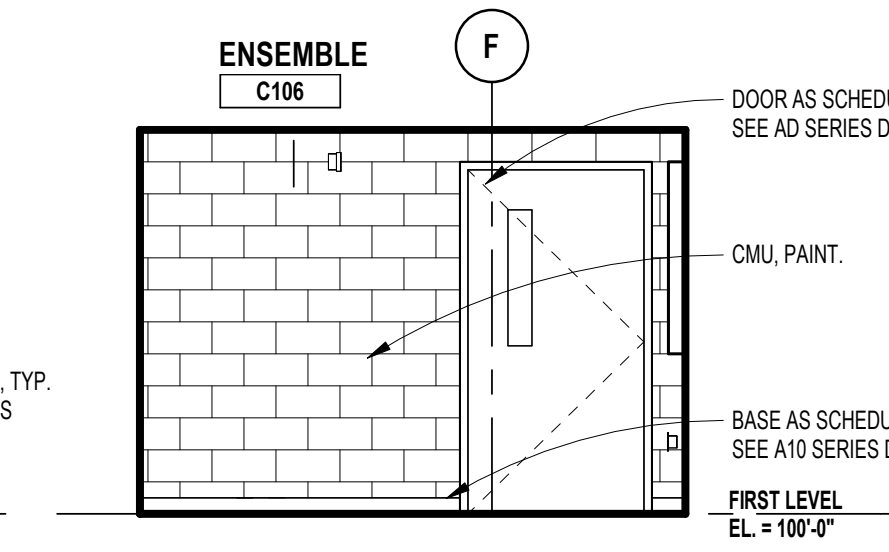
6 ENSEMBLE  
A1.1C SCALE: 1/4" = 1'-0"



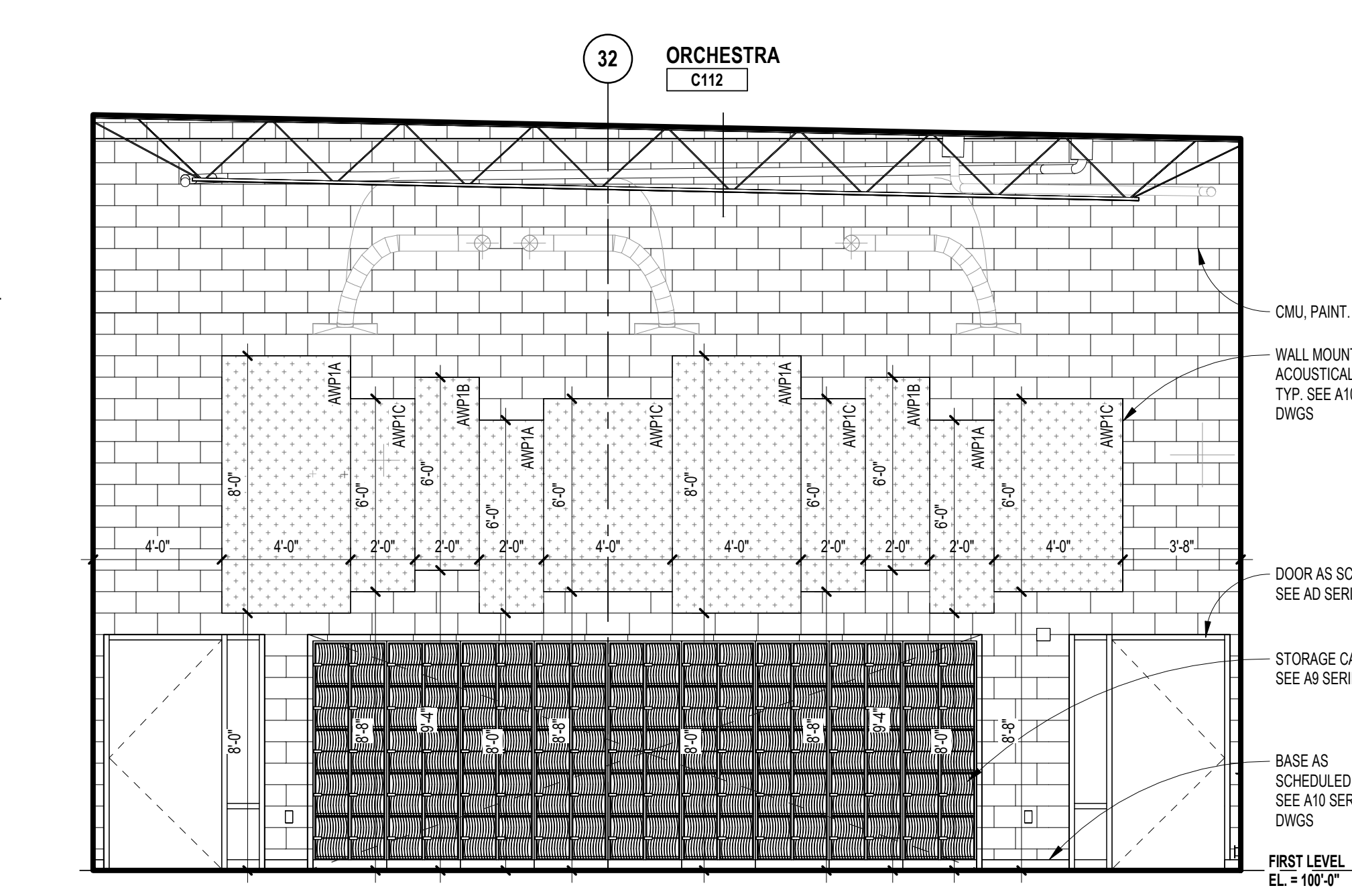
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A1.1C SCALE: 1/4" = 1'-0"



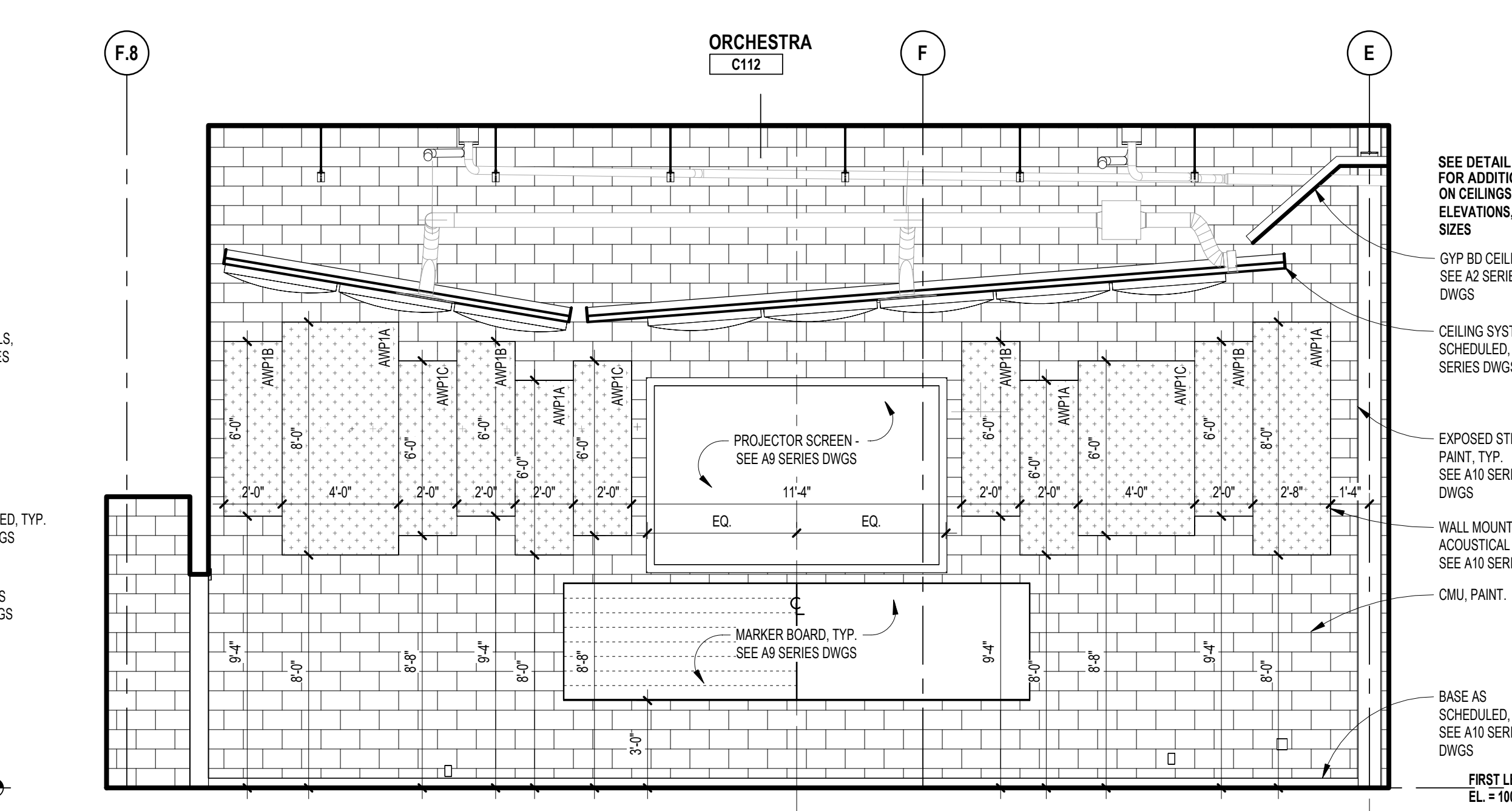
4 ENSEMBLE  
A1.1C SCALE: 1/4" = 1'-0"



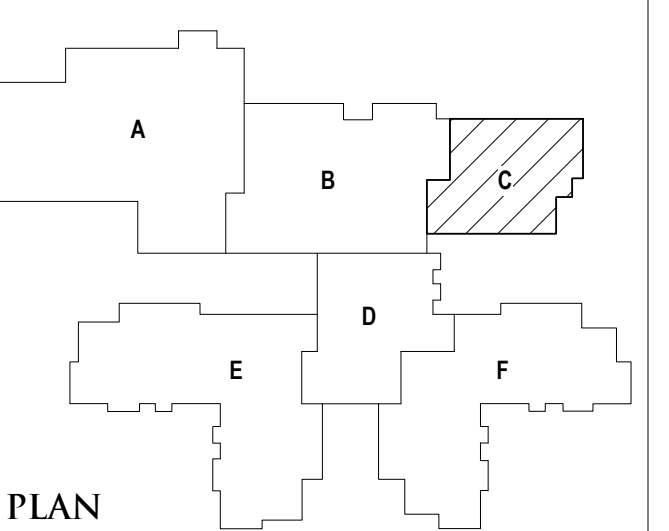
3 ENSEMBLE  
A1.1C SCALE: 1/4" = 1'-0"



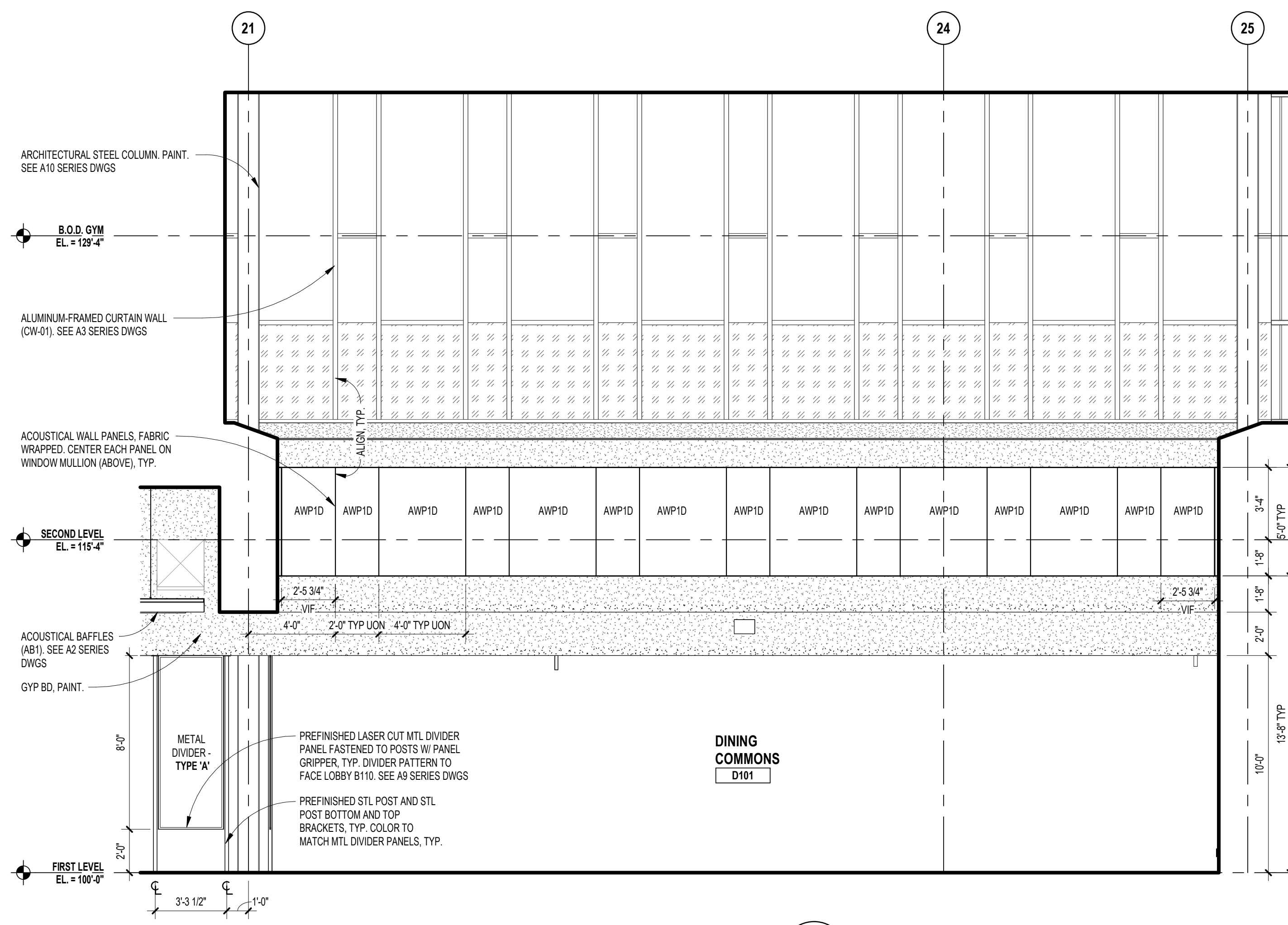
2 INTERIOR ELEVATION - ORCHESTRA  
A1.1C SCALE: 1/4" = 1'-0"



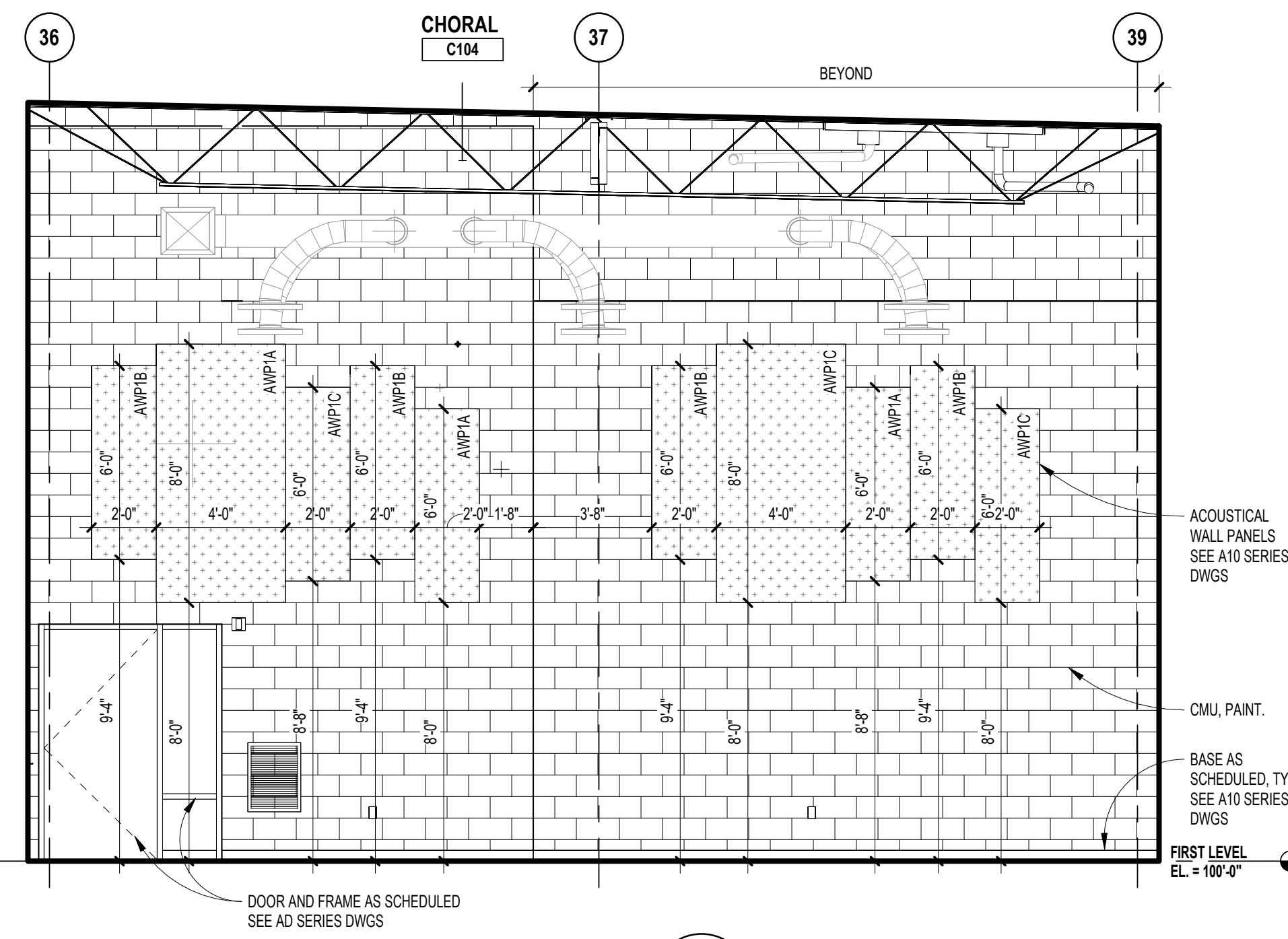
1 INTERIOR ELEVATION - ORCHESTRA  
A1.1C SCALE: 1/4" = 1'-0"



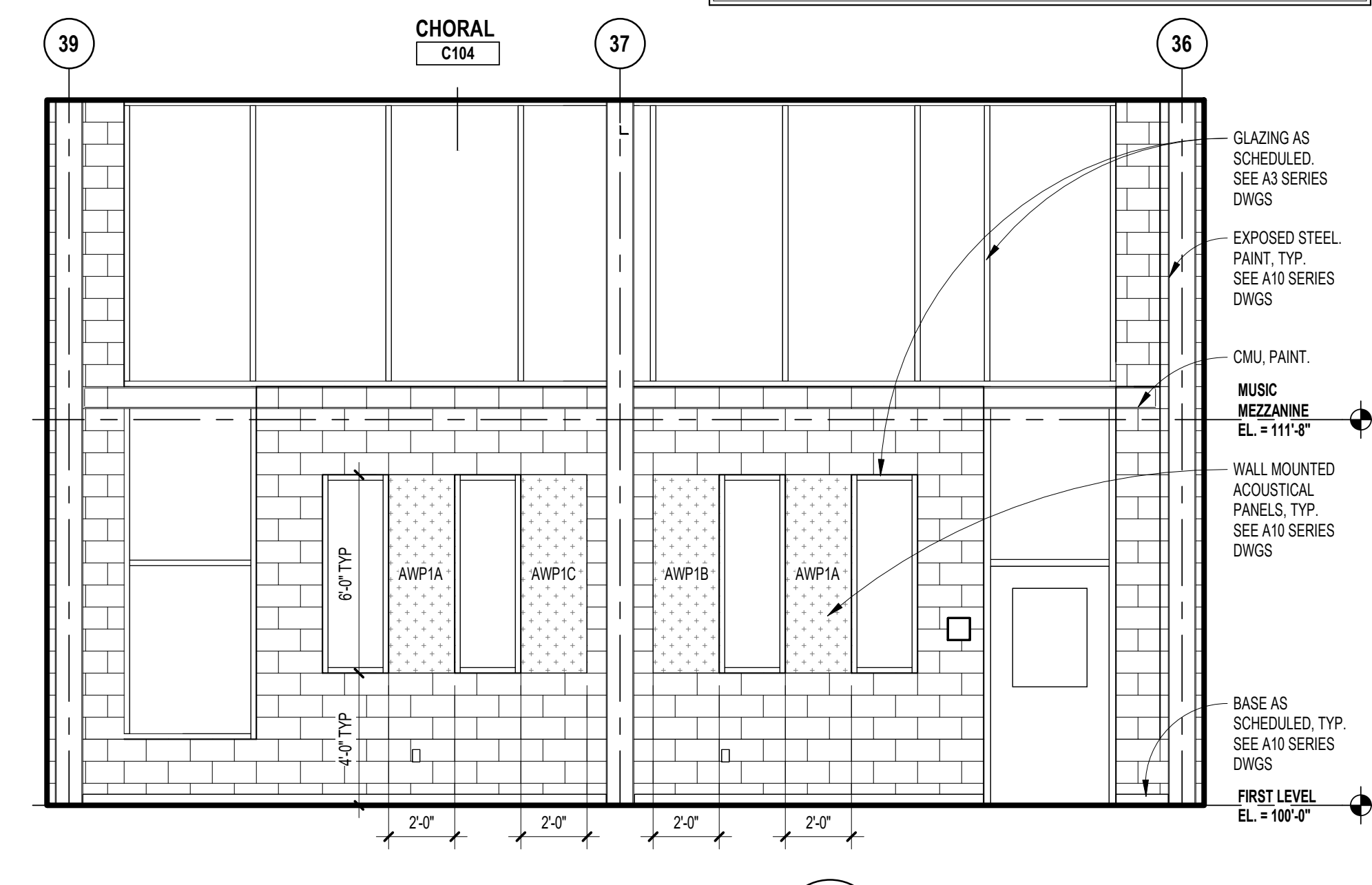
GLAZING TYPES	
GL-2	1/4" (6mm) CLEAR TEMPERED MONOLITHIC GLASS
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SSGL-2	INSULATED SECURITY GLAZING



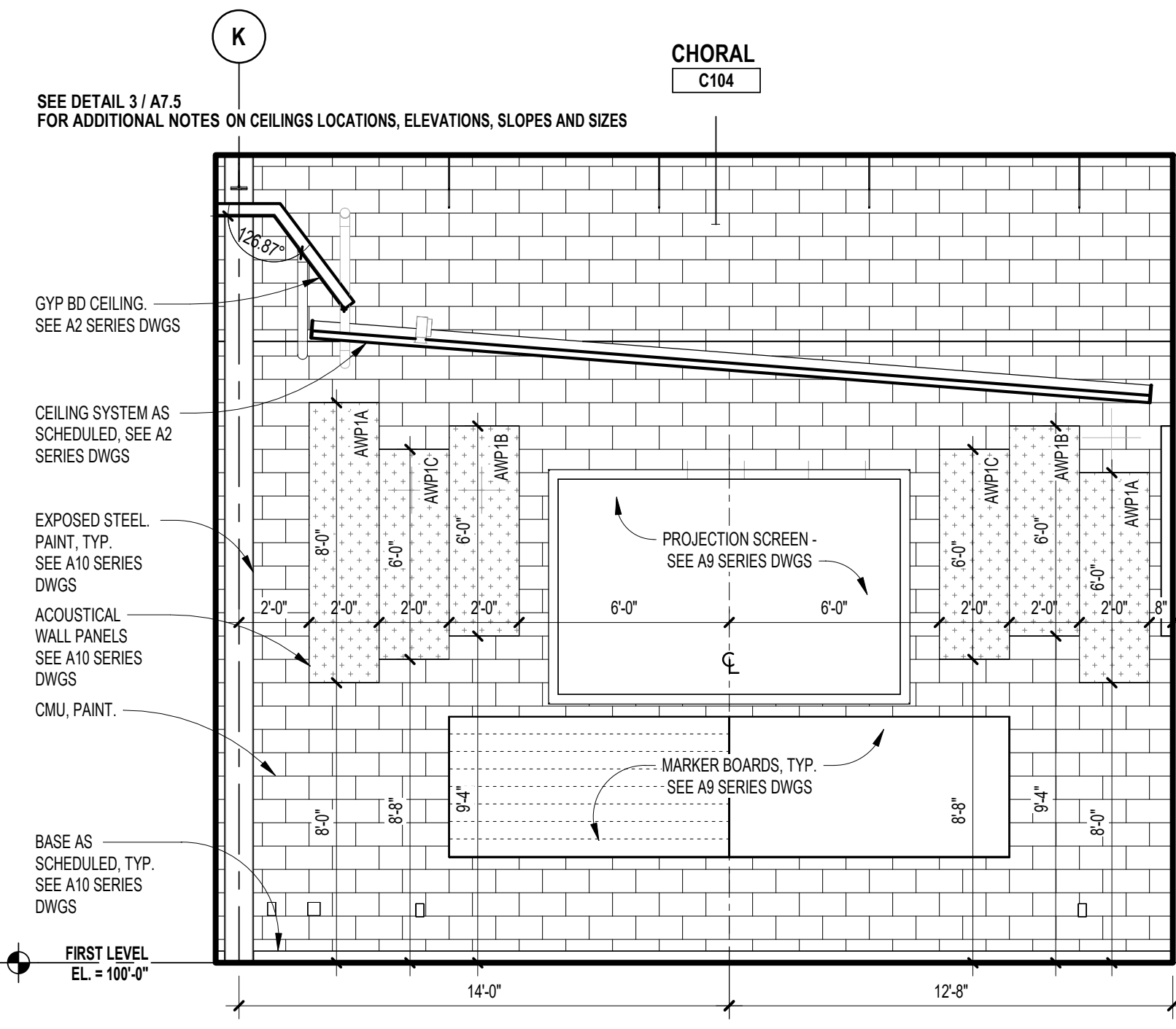
**9 INTERIOR ELEVATION - DINING COMMONS NORTH**  
A1.1B SCALE: 1/4" = 1'-0"



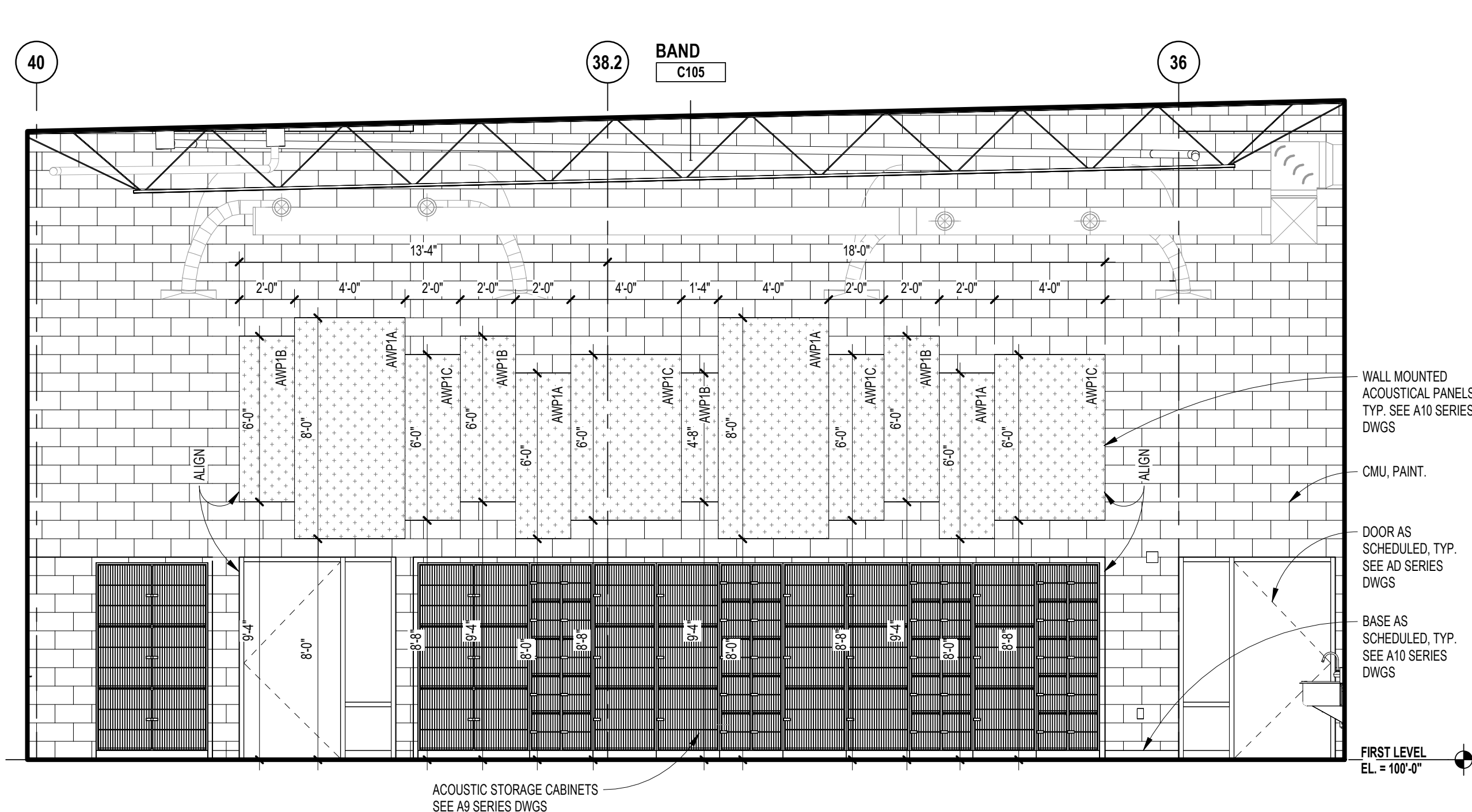
**8 INTERIOR ELEVATION - CHORAL**  
A1.1C SCALE: 1/4" = 1'-0"



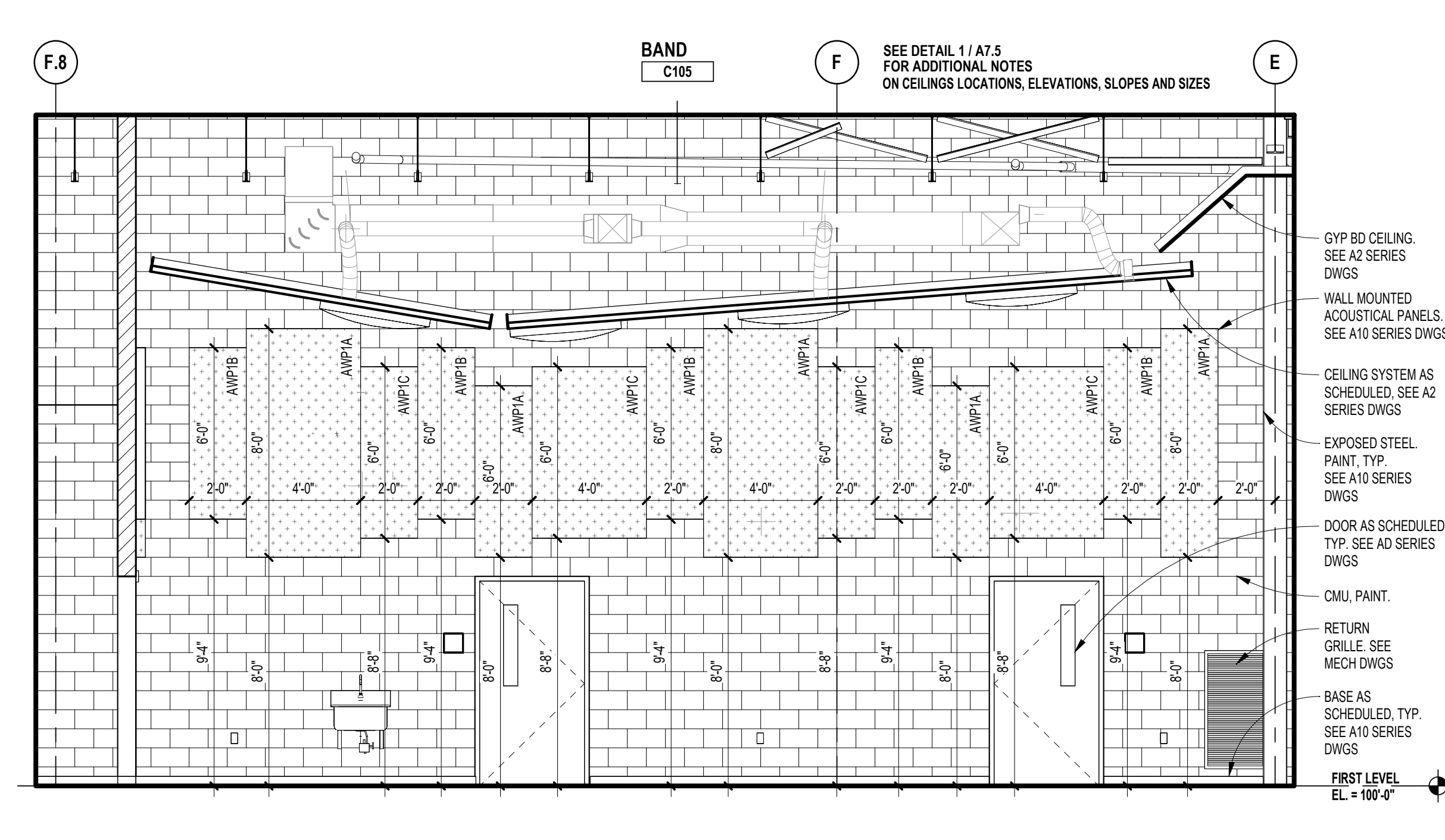
**7 INTERIOR ELEVATION - CHORAL**  
A1.1C SCALE: 1/4" = 1'-0"



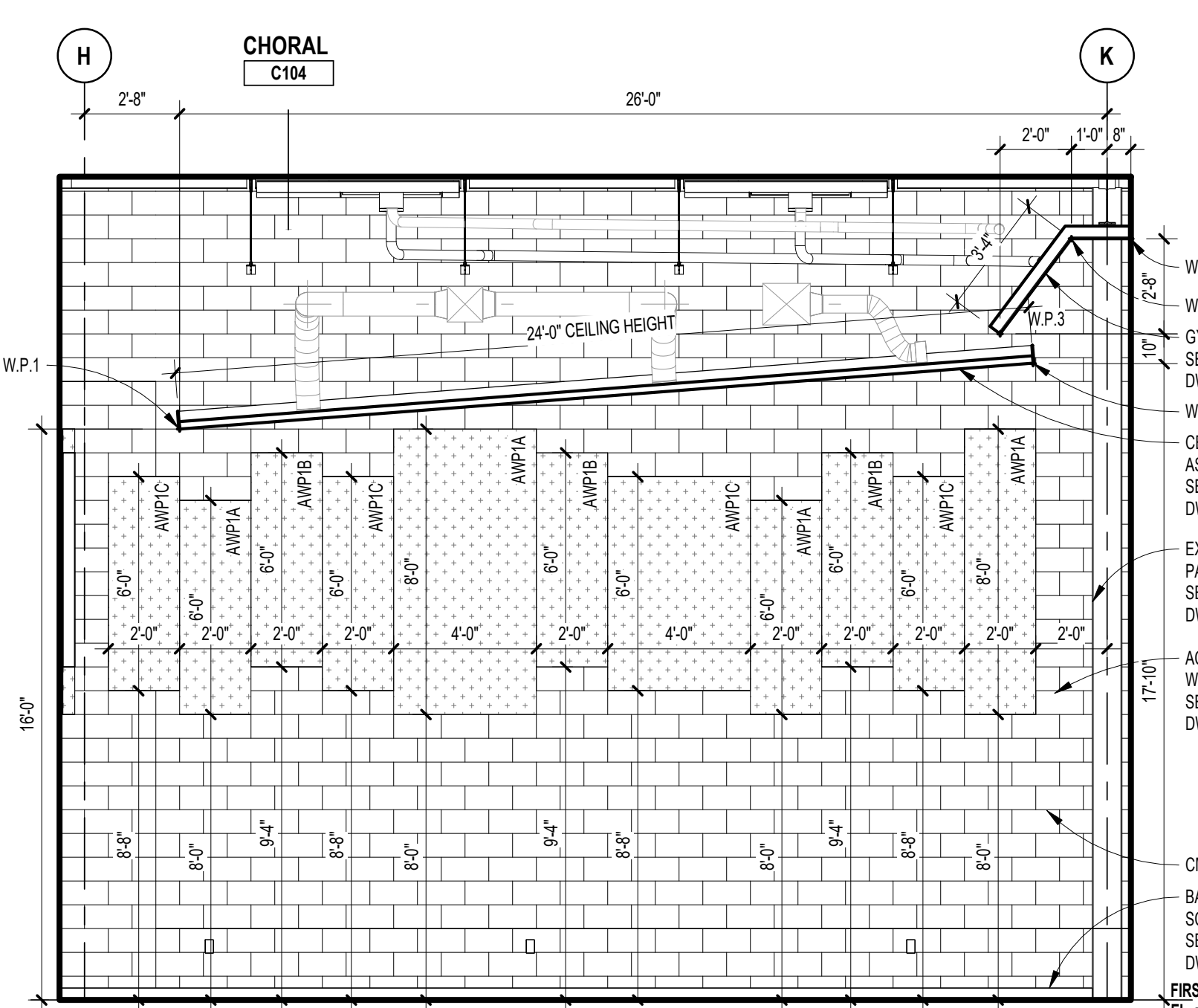
**6 INTERIOR ELEVATION - CHORAL**  
A1.1C SCALE: 1/4" = 1'-0"



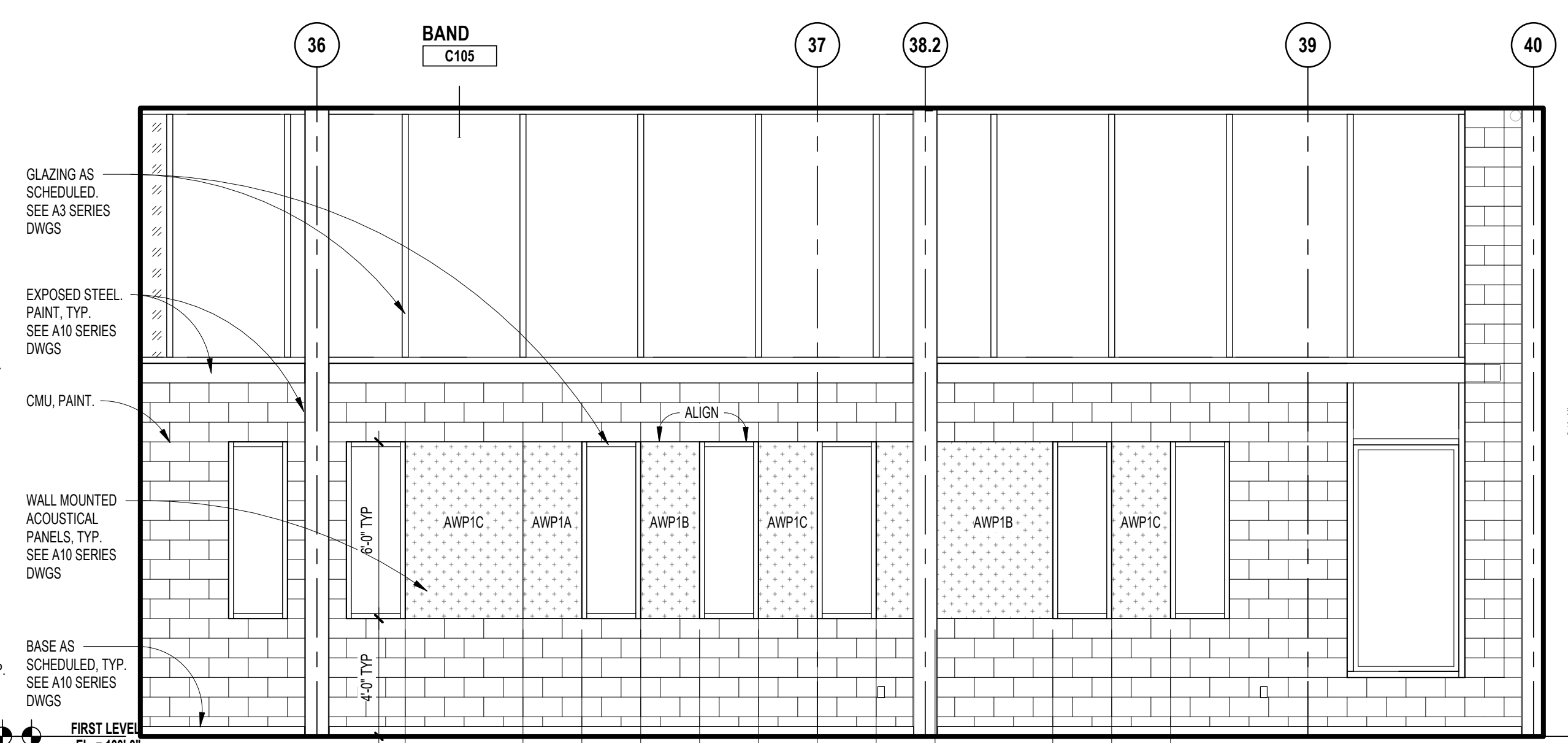
**5 INTERIOR ELEVATION - BAND**  
A1.1C SCALE: 1/4" = 1'-0"



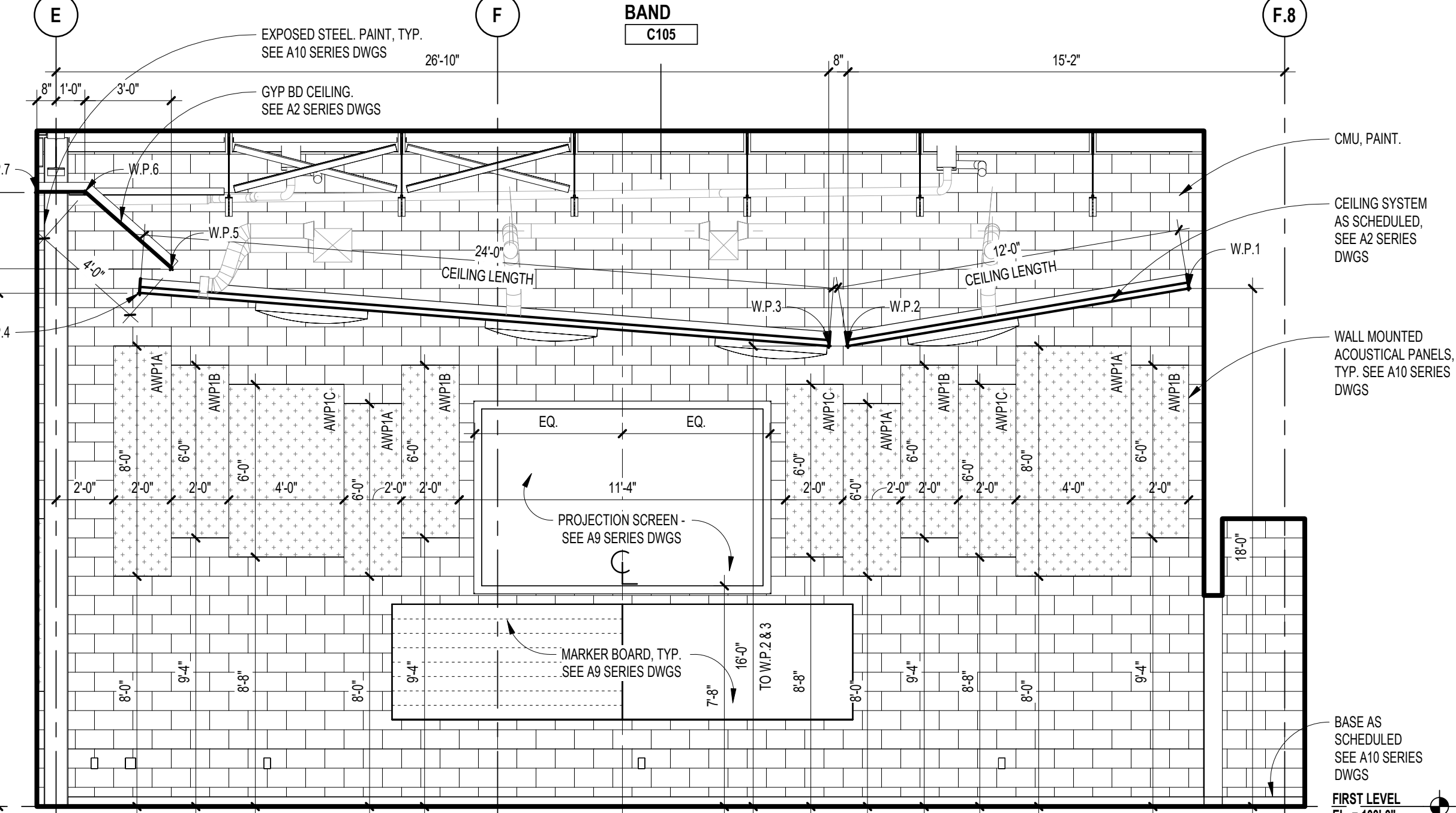
**4 INTERIOR ELEVATION - BAND**  
A1.1C SCALE: 1/4" = 1'-0"



**3 INTERIOR ELEVATION - CHORAL**  
A1.1C SCALE: 1/4" = 1'-0"



**2 INTERIOR ELEVATION - BAND**  
A1.1C SCALE: 1/4" = 1'-0"



**1 INTERIOR ELEVATION - BAND**  
A1.1C SCALE: 1/4" = 1'-0"



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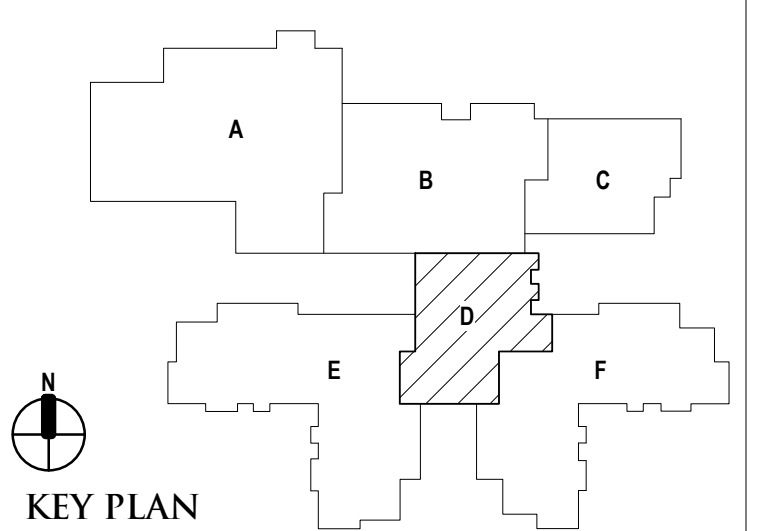
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Interior Elevations**



ISSUE DATES

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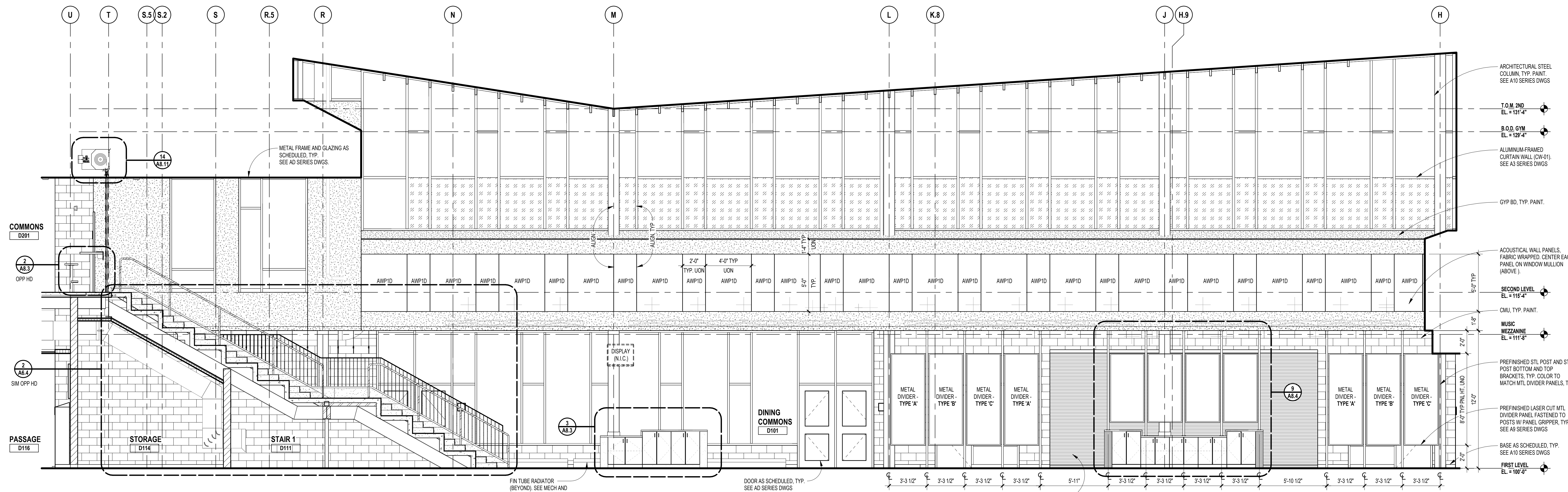
PROJECT NO.

**22102**

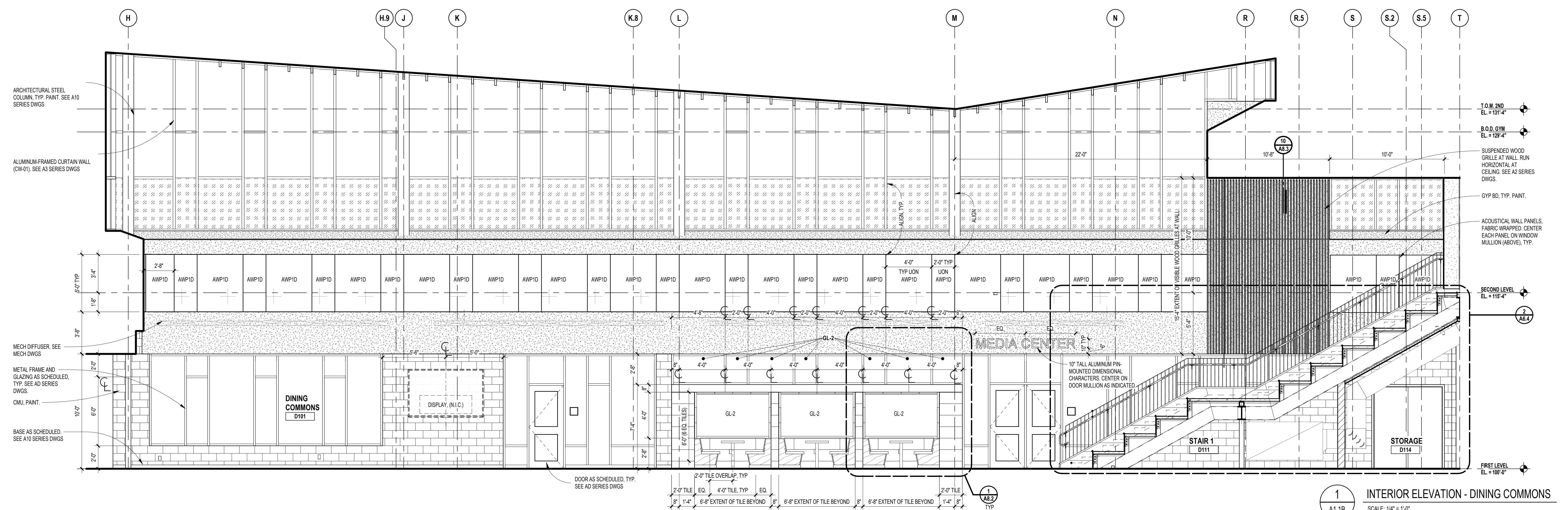
DRAWING NO.

**A7.6**

GLAZING TYPES	
GL-2	1/4" (6mm) CLEAR TEMPERED MONOLITHIC GLASS
GL-4	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS
GL-8	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS w/ TINTED INTERLAYER
GL-13	1" (25mm) CLEAR TEMPERED INSULATING GLASS (LOW-E)
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GL-19	1" (25mm) CLEAR TEMPERED INSULATION GLASS (LOW-E) w/ APPLIED FRIT
GL-21	1" (25mm) CLEAR HEAT-STRENGTHENED LAMINATED INSULATING GLASS
GL-23	1" (25mm) CLEAR TEMPERED w/ TINTED INTERLAYER LAMINATED INSULATING GLASS (LOW-E)
FPGL-2	3/4" (19mm) FIRE PROTECTIVE GLAZING (45 MIN)
FRGL-4	1 1/8" (29mm) FIRE RESISTIVE GLAZING (60 MIN, ASTM E119)
SSGL1	MONOLITHIC SECURITY GLAZING
SSGL2	INSULATED SECURITY GLAZING



2 INTERIOR ELEVATION - DINING COMMONS  
A1.1B SCALE: 1/4" = 1'-0"



1 INTERIOR ELEVATION - DINING COMMONS  
A1.1B SCALE: 1/4" = 1'-0"





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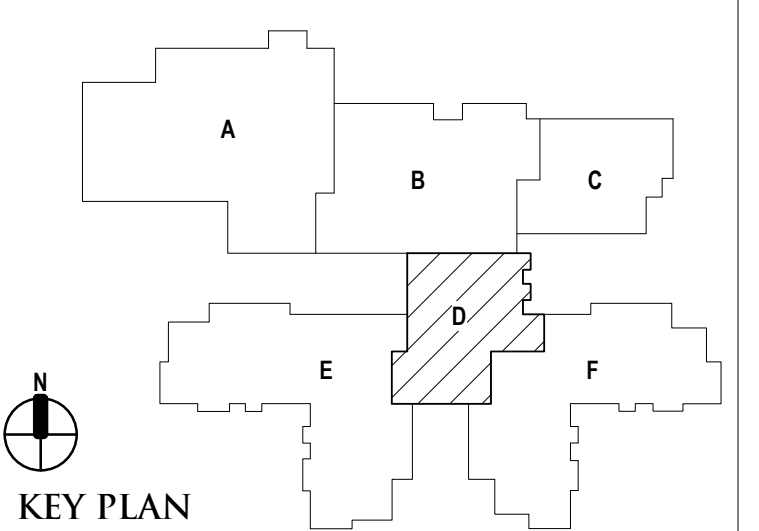
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
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MIDDLE SCHOOL**  
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Troy School District  
Troy, Michigan

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**Interior Elevations**



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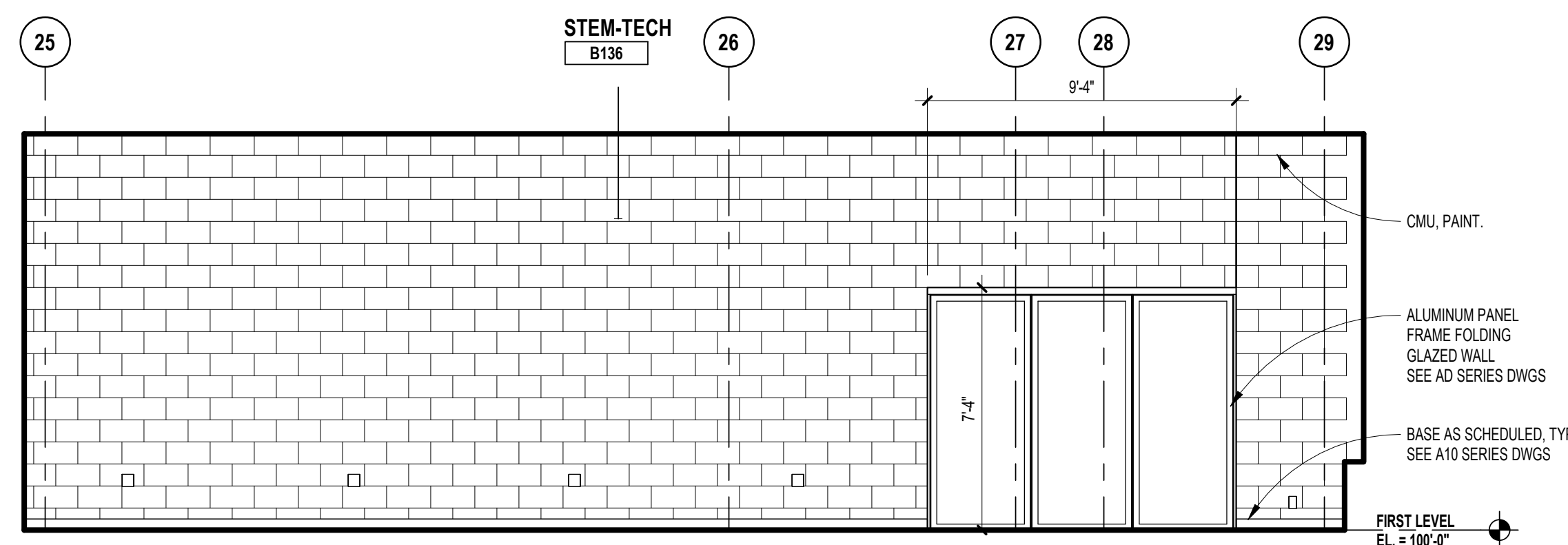
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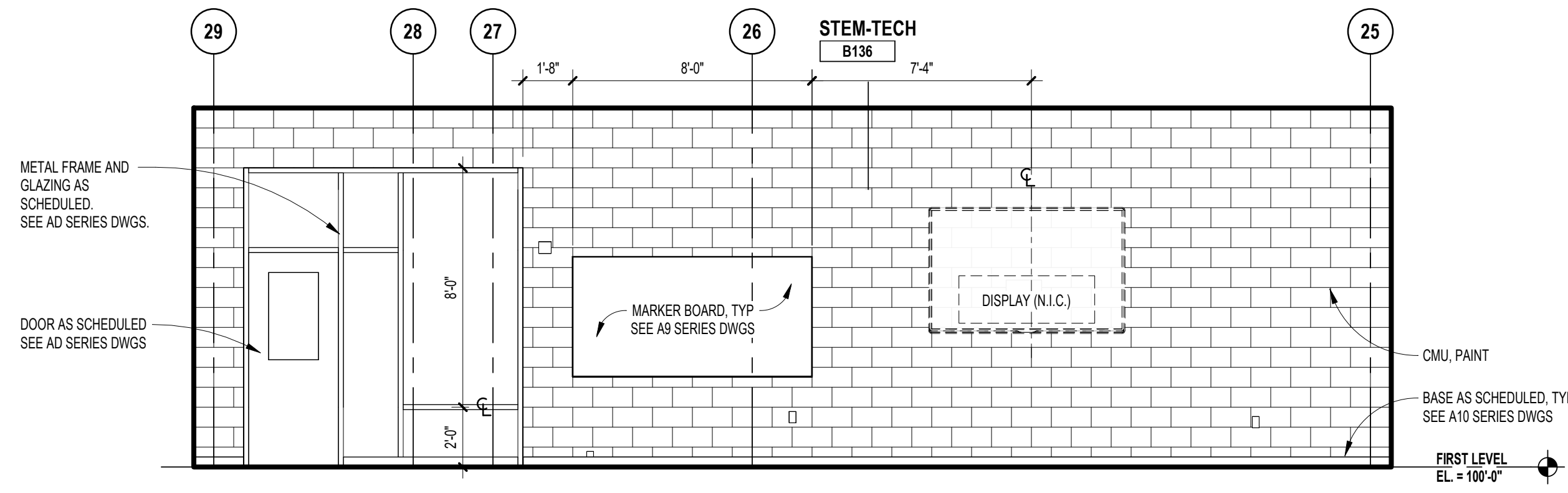
PROJECT NO.  
**22102**

DRAWING NO.  
**A7.7**

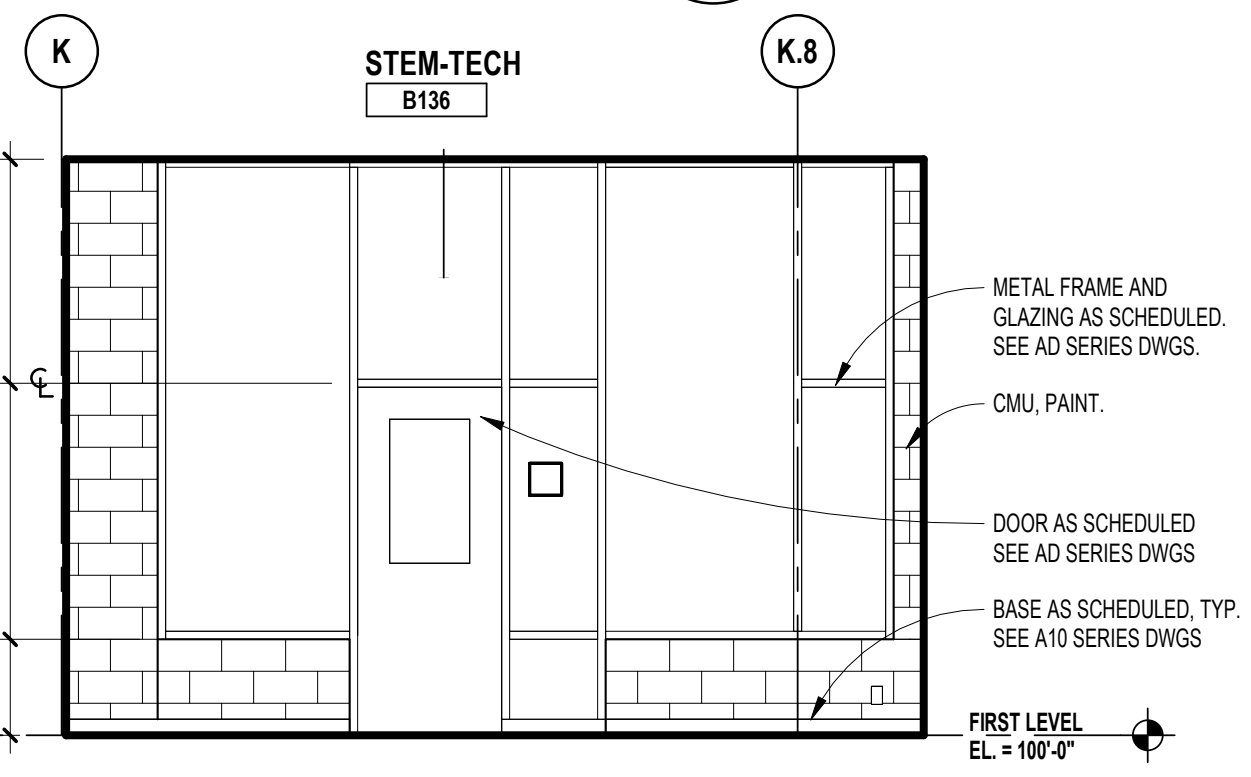
GLAZING TYPES	
GL-2	1/4" (6mm) CLEAR TEMPERED MONOLITHIC GLASS
GL-4	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS
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GL-19	1" (25mm) CLEAR TEMPERED INSULATING GLASS (LOW-E) w/ APPLIED FRIT
GL-21	1" (25mm) CLEAR HEAT-STRENGTHENED LAMINATED INSULATING GLASS
GL-23	1" (25mm) CLEAR TEMPERED w/ TINTED INTERLAYER LAMINATED INSULATING GLASS (LOW-E)
FRGL-2	3/4" (19mm) FIRE PROTECTIVE GLAZING (45 MIN)
FRGL-4	1 1/8" (29mm) FIRE RESISTIVE GLAZING (90 MIN, ASTM E119)
SSGL-1	MONOLITHIC SECURITY GLAZING
SSGL-2	INSULATED SECURITY GLAZING



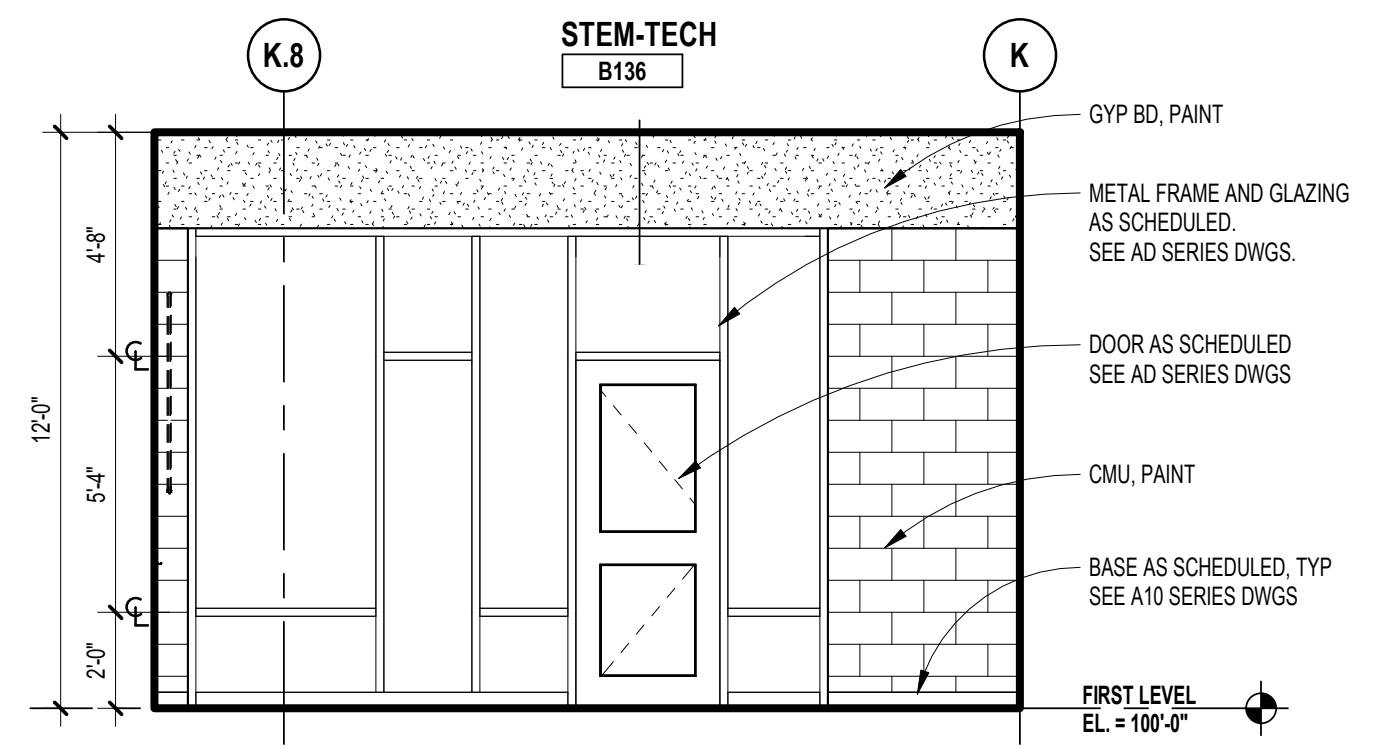
12 INTERIOR ELEVATION - STEM TECH  
SCALE: 1/4" = 1'-0"



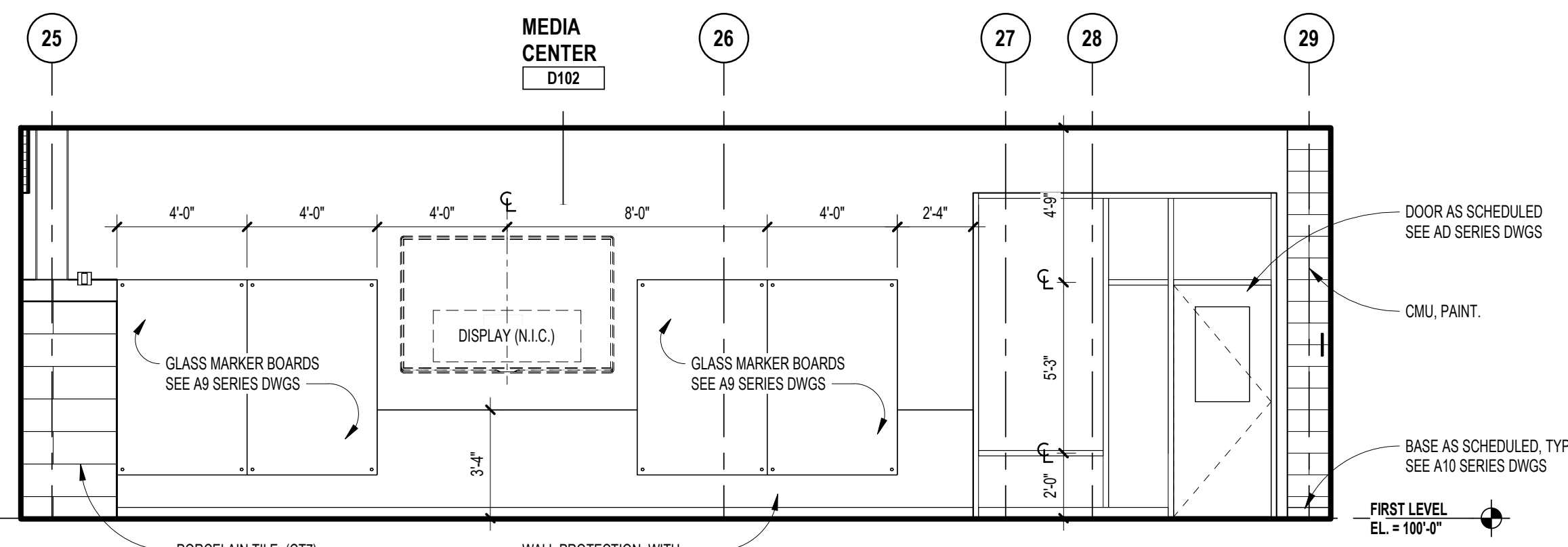
10 INTERIOR ELEVATION- STEM TECH  
SCALE: 1/4" = 1'-0"



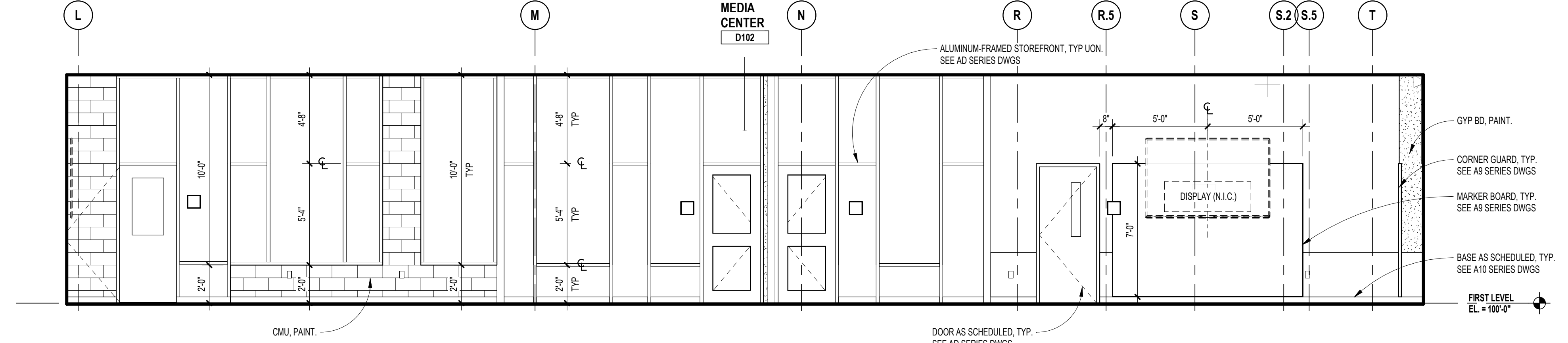
9 INTERIOR ELEVATION - STEM TECH  
SCALE: 1/4" = 1'-0"



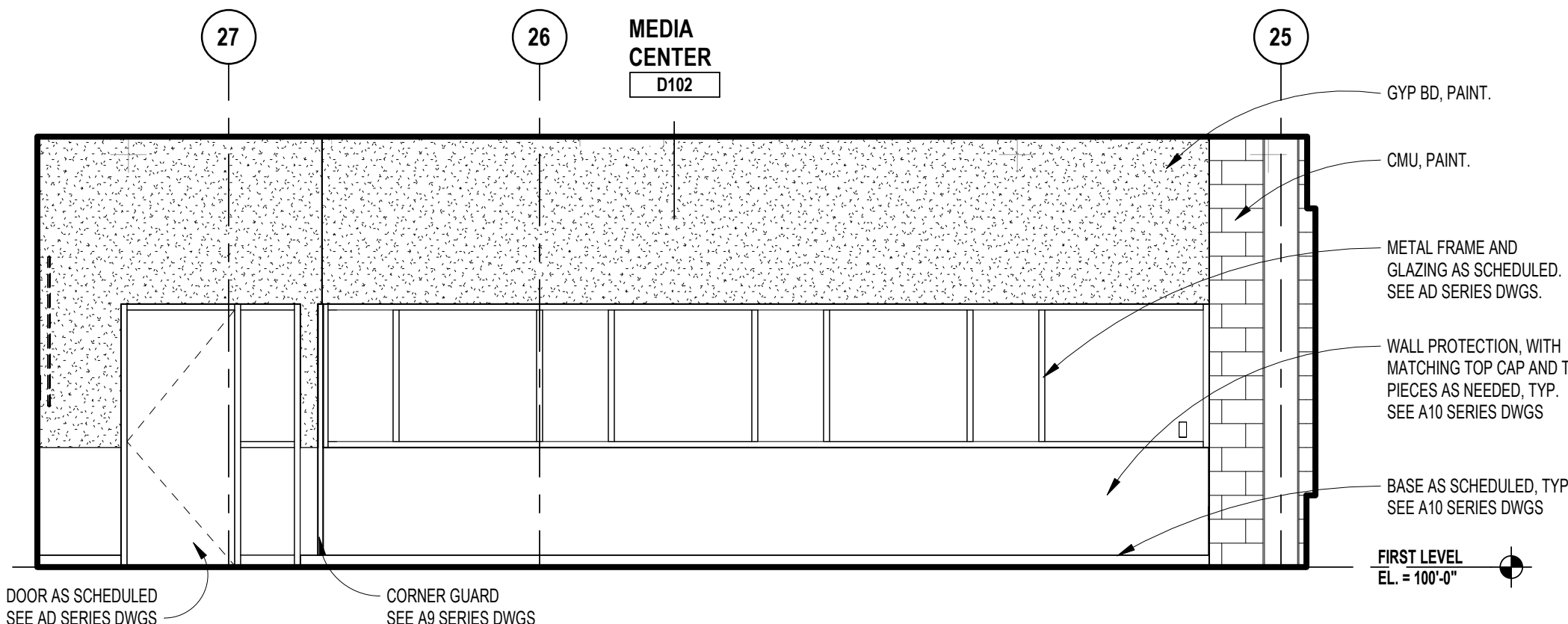
8 INTERIOR ELEVATION - STEM TECH  
SCALE: 1/4" = 1'-0"



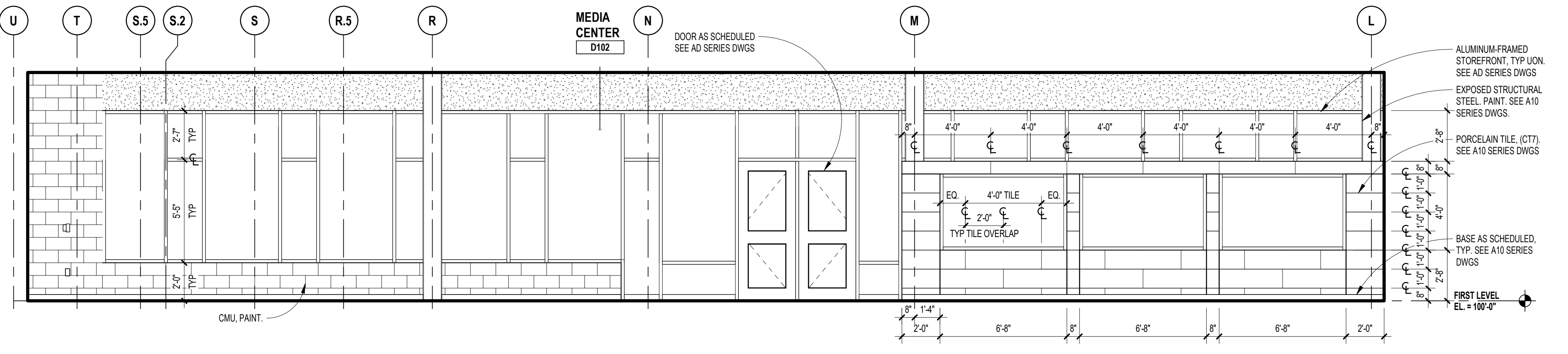
7 INTERIOR ELEVATION - MEDIA CENTER  
SCALE: 1/4" = 1'-0"



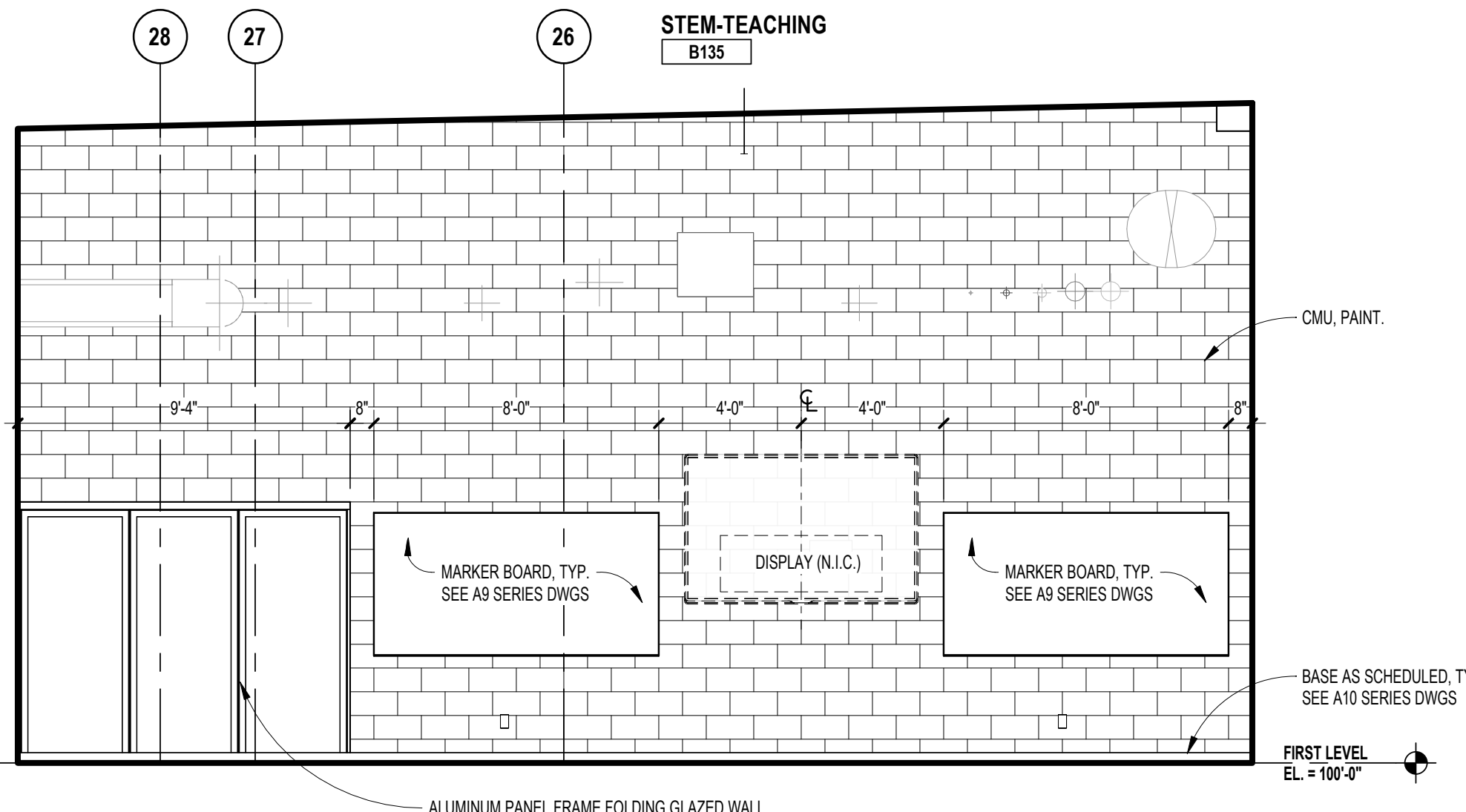
6 INTERIOR ELEVATION - MEDIA CENTER  
SCALE: 1/4" = 1'-0"



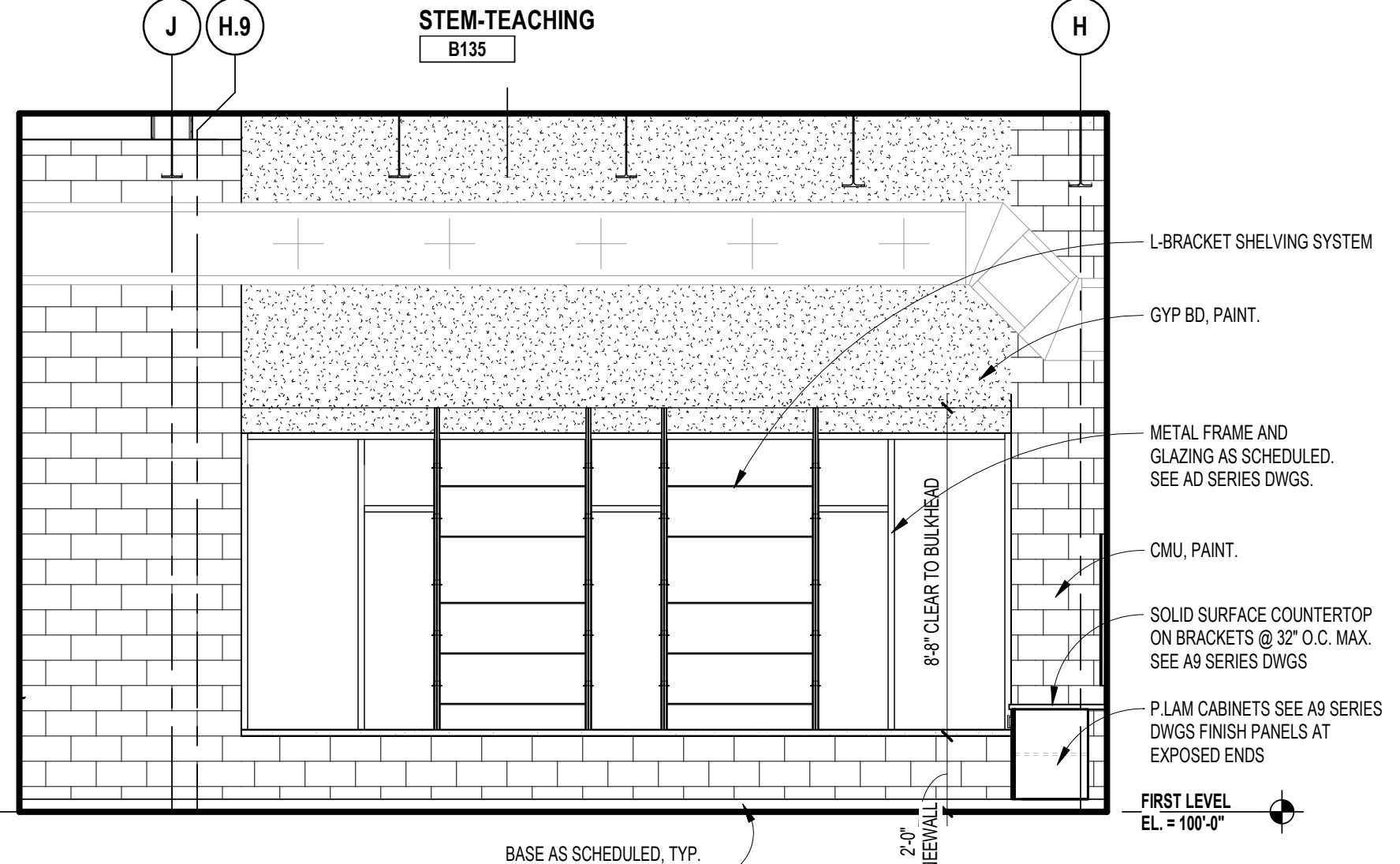
5 INTERIOR ELEVATION - MEDIA CENTER  
SCALE: 1/4" = 1'-0"



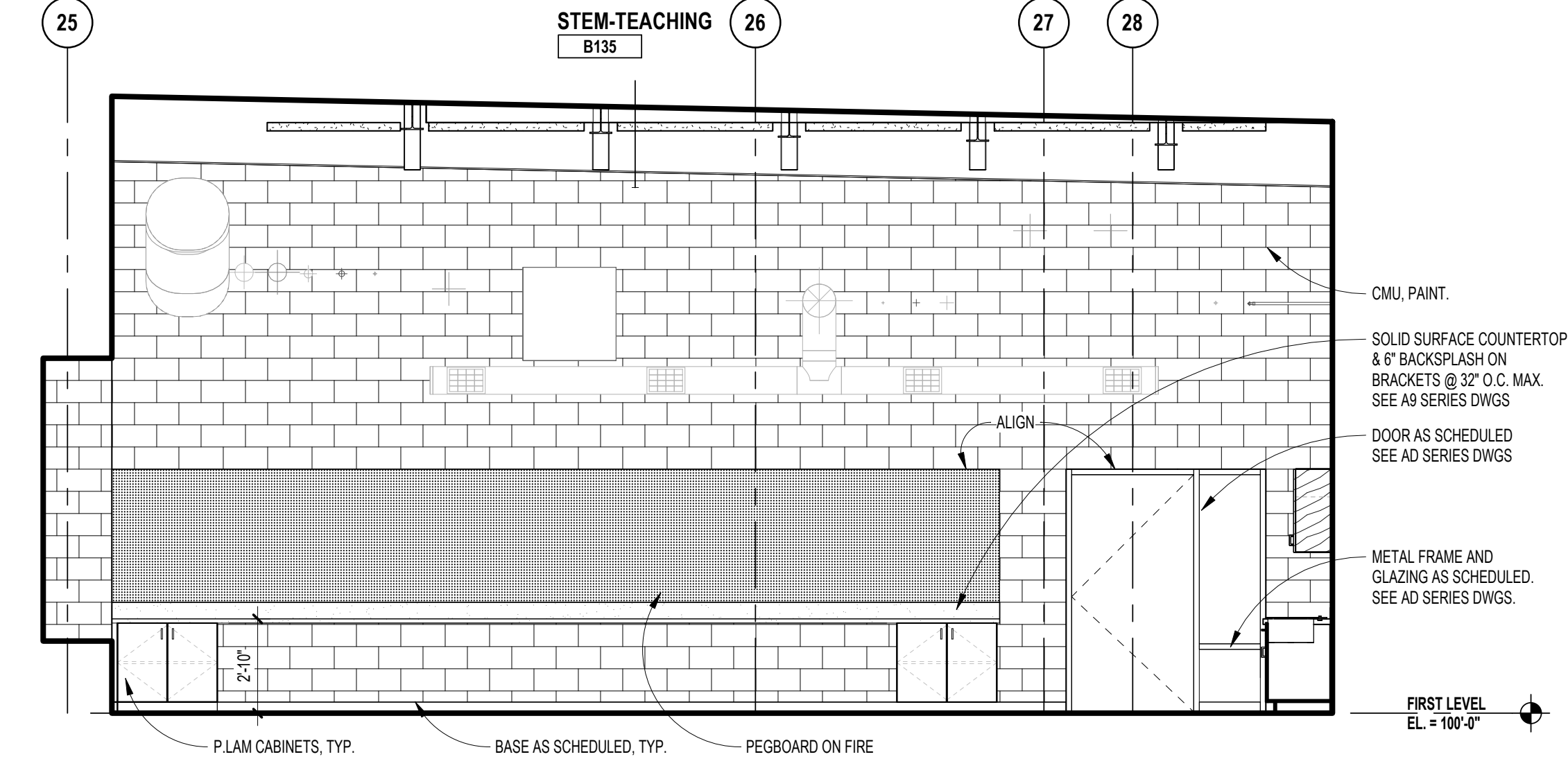
4 INTERIOR ELEVATION - MEDIA CENTER  
SCALE: 1/4" = 1'-0"



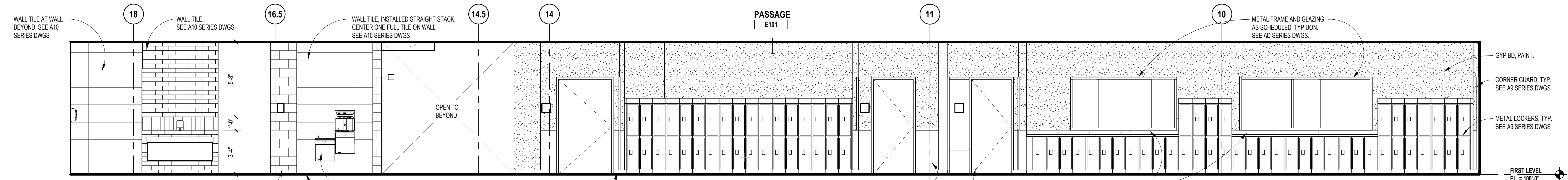
3 INTERIOR ELEVATION - STEM  
SCALE: 1/4" = 1'-0"



2 INTERIOR ELEVATION - STEM  
SCALE: 1/4" = 1'-0"

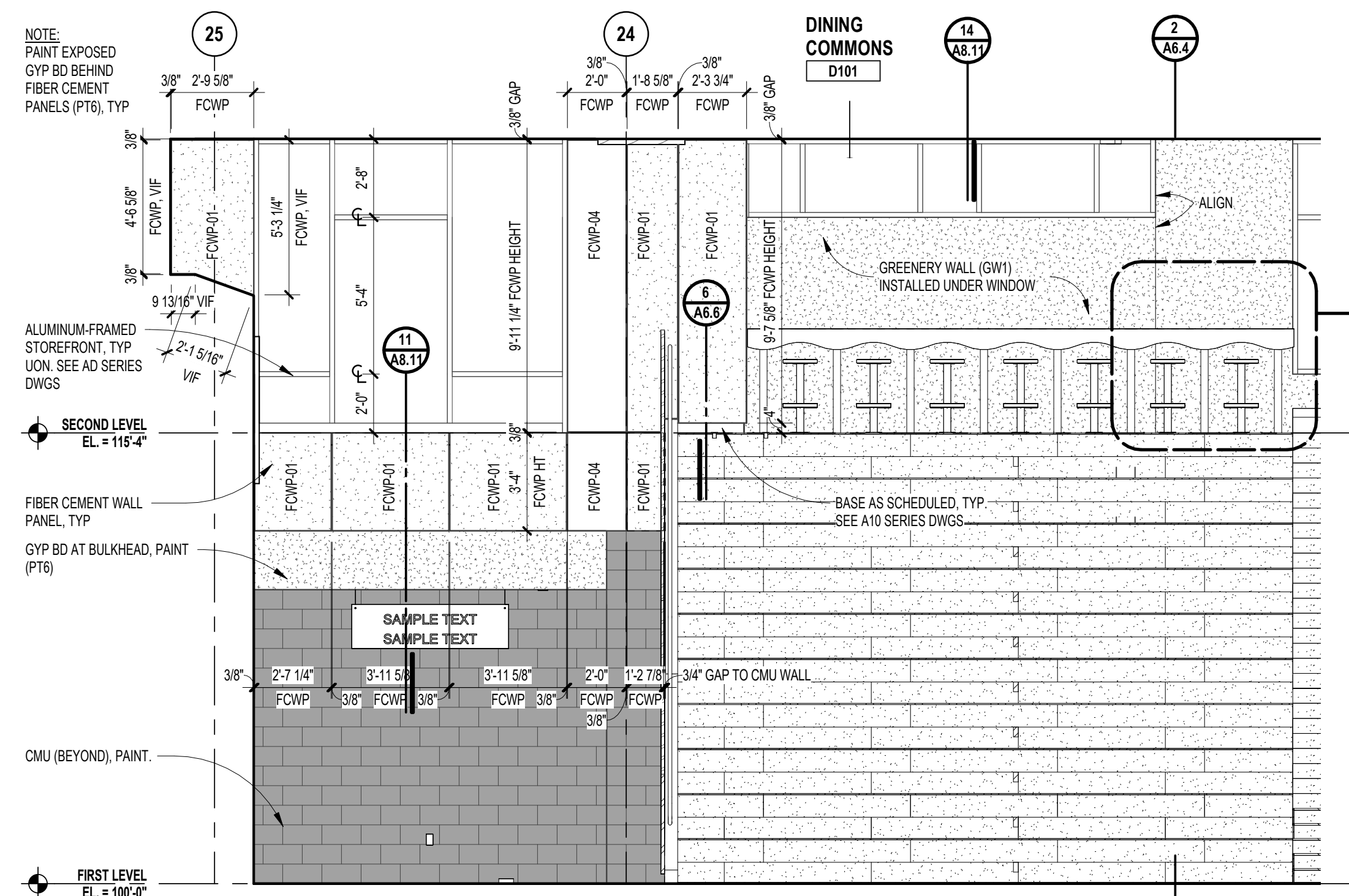


1 INTERIOR ELEVATION - STEM  
SCALE: 1/4" = 1'-0"

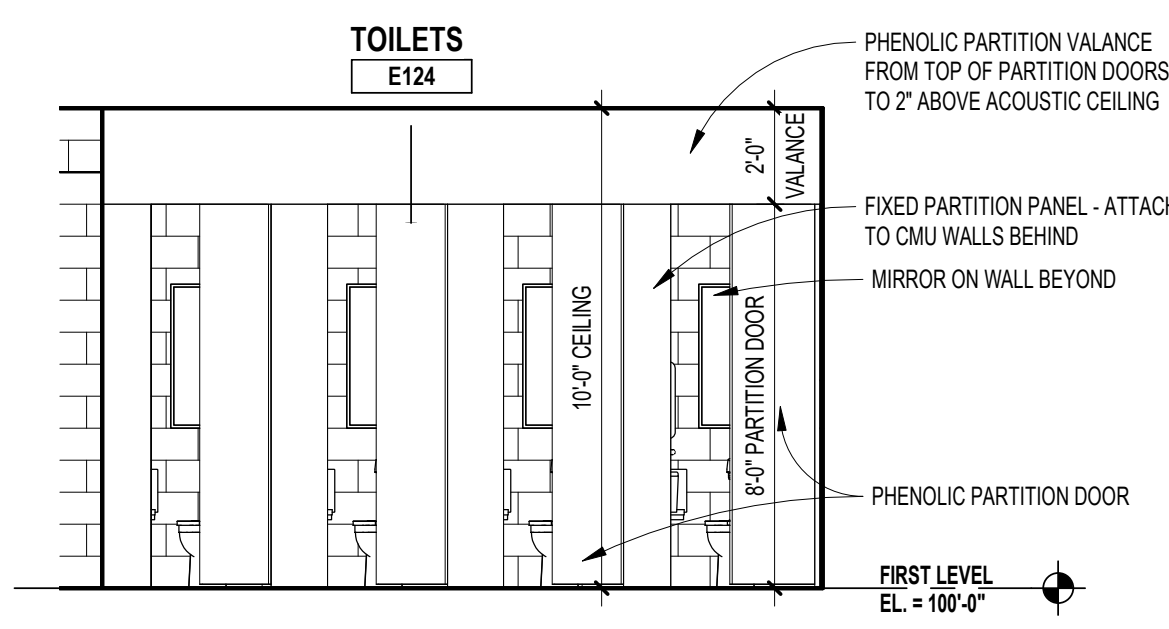


GLAZING TYPES	
GL-2	1/4" (6mm) CLEAR TEMPERED MONOLITHIC GLASS
GL-4	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS
GL-8	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS w/ TINTED INTERLAYER
GL-13	1" (25mm) CLEAR TEMPERED INSULATING GLASS (LOW-E)
GL-18	1" (25mm) CLEAR TEMPERED INSULATING SPANDREL GLASS
GL-19	1" (25mm) CLEAR TEMPERED INSULATING GLASS (LOW-E) w/ APPLIED FRIT
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FRGL-4	1 1/8" (29mm) FIRE RESISTIVE GLAZING (90 MIN, ASTM E119)
SSGL1	MONOLITHIC SECURITY GLAZING
SSGL2	INSULATED SECURITY GLAZING

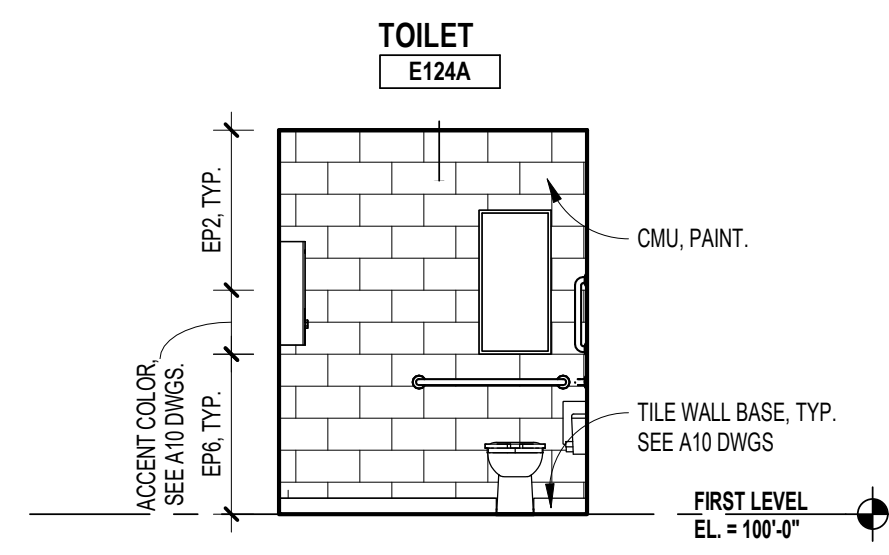
11 INTERIOR ELEVATION - LEARNING COMMONS  
A1.1E SCALE: 1/4" = 1'-0"



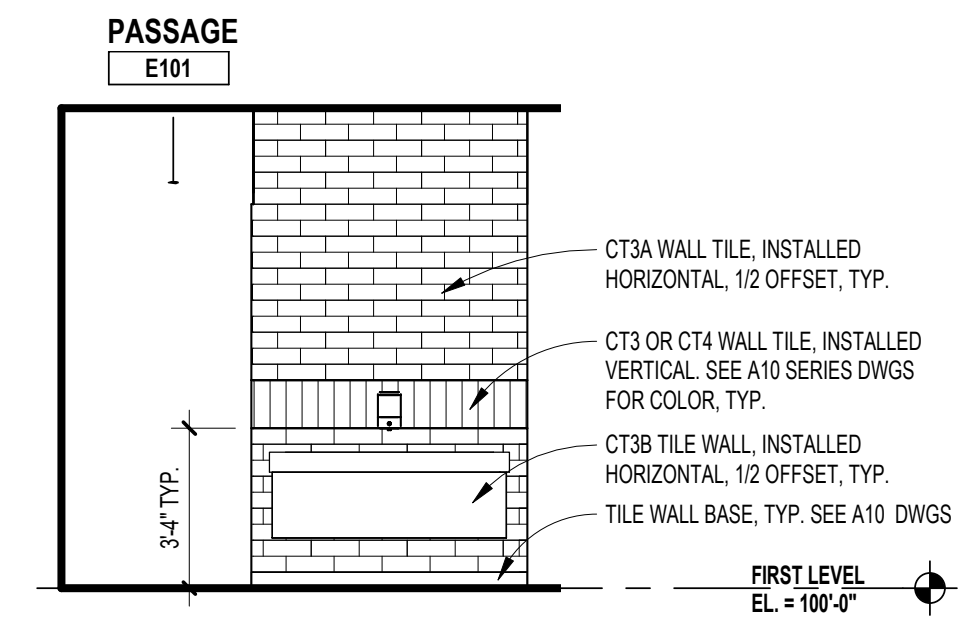
7 INTERIOR ELEVATION - DINING SOUTH  
A1.1D SCALE: 1/4" = 1'-0"



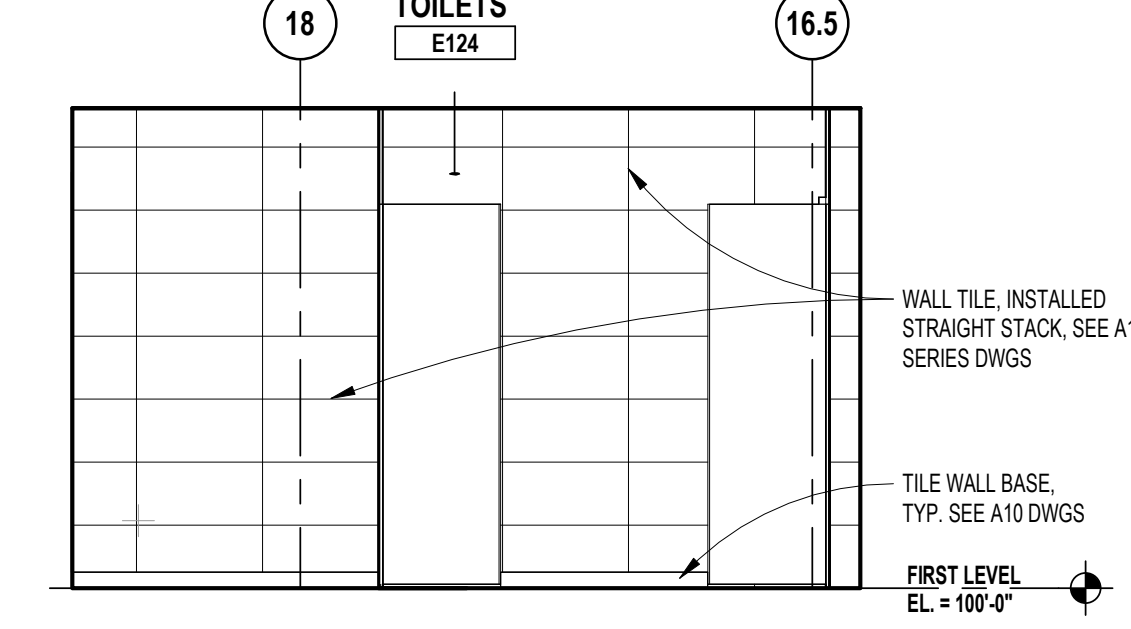
12 INTERIOR ELEVATION - TOILET  
A6.2 SCALE: 1/4" = 1'-0"



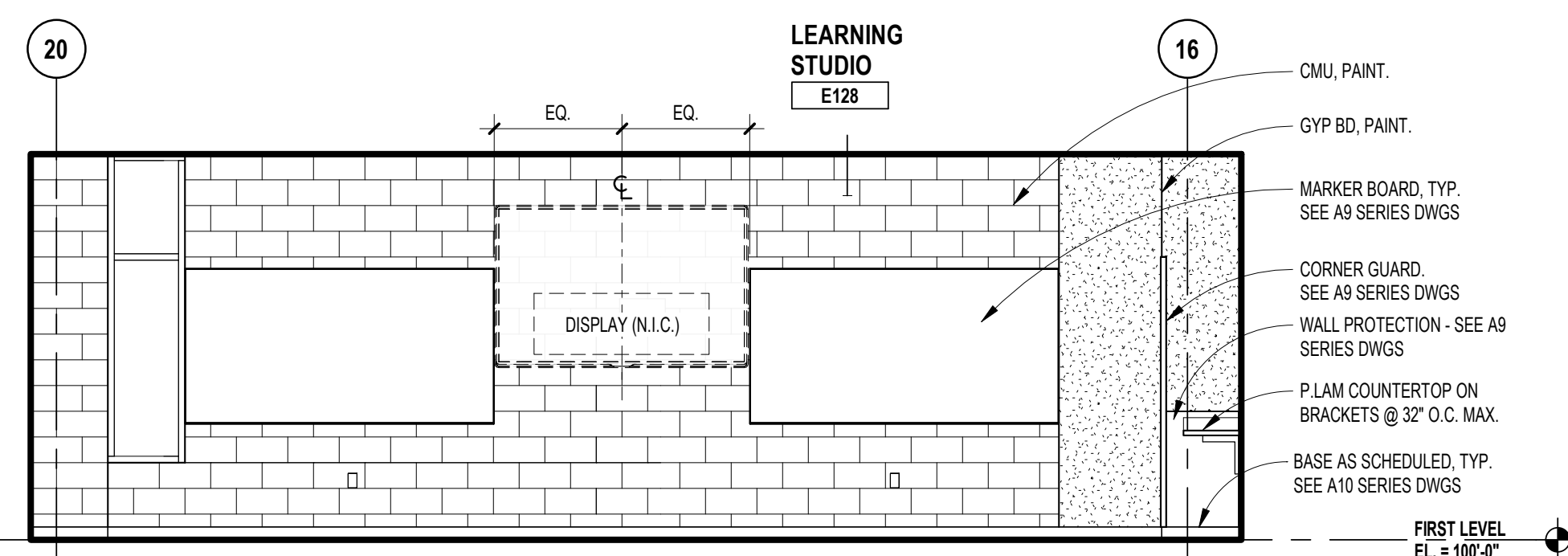
10 INTERIOR ELEVATION - TOILET  
A6.2 SCALE: 1/4" = 1'-0"



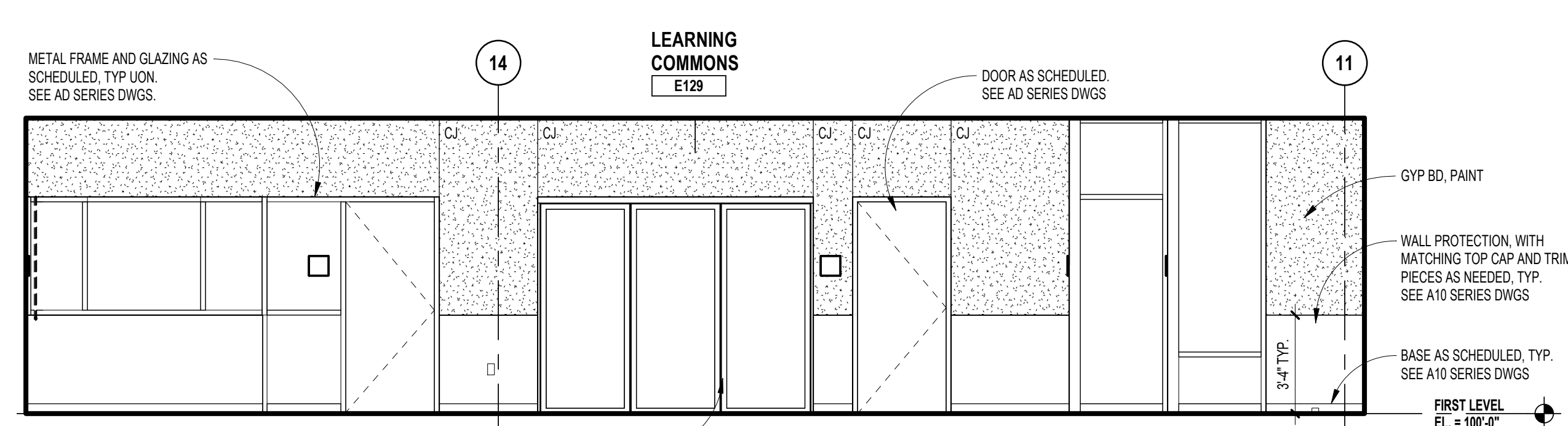
9 INTERIOR ELEVATION - TOILET  
A6.2 SCALE: 1/4" = 1'-0"



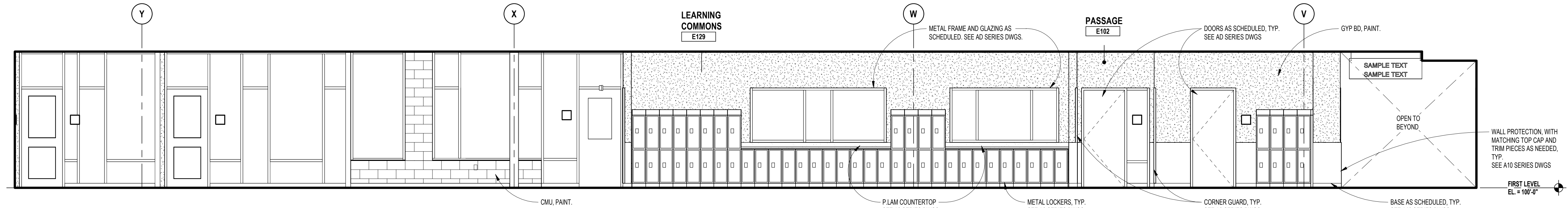
8 INTERIOR ELEVATION - TOILET  
A6.2 SCALE: 1/4" = 1'-0"



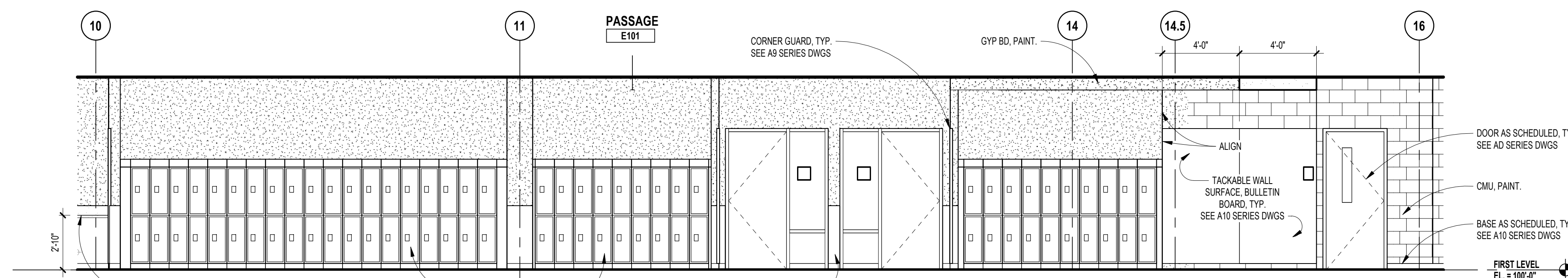
6 INTERIOR ELEVATION - TYP LEARNING STUDIO TEACHING WALL  
A1.1A SCALE: 1/4" = 1'-0"



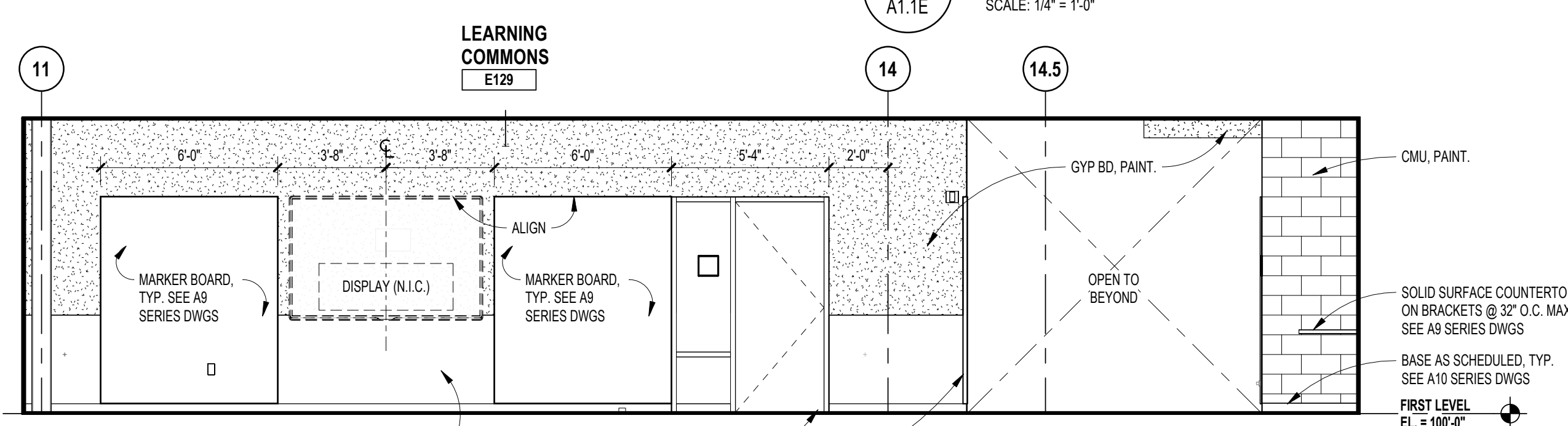
5 INTERIOR ELEVATION - LEARNING COMMONS  
A1.1E SCALE: 1/4" = 1'-0"



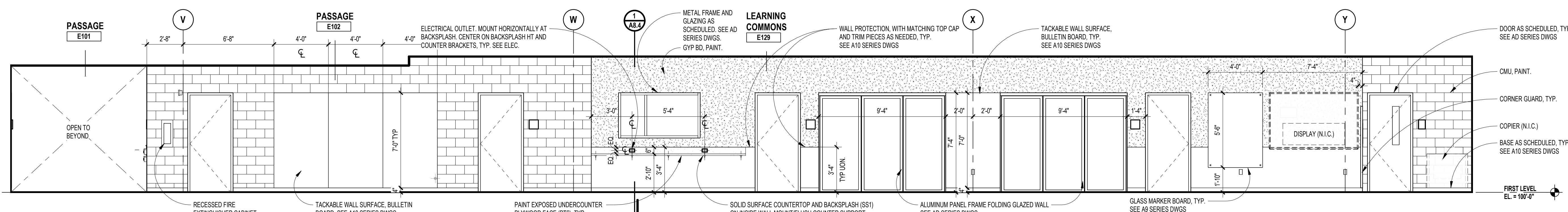
4 INTERIOR ELEVATION - LEARNING COMMONS  
A1.1E SCALE: 1/4" = 1'-0"



3 INTERIOR ELEVATION - LEARNING COMMONS  
A1.1E SCALE: 1/4" = 1'-0"



2 INTERIOR ELEVATION - LEARNING COMMONS  
A1.1E SCALE: 1/4" = 1'-0"



1 INTERIOR ELEVATION - LEARNING COMMONS  
A1.1E SCALE: 1/4" = 1'-0"



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BLOOMFIELD HILLS, MICHIGAN 48302  
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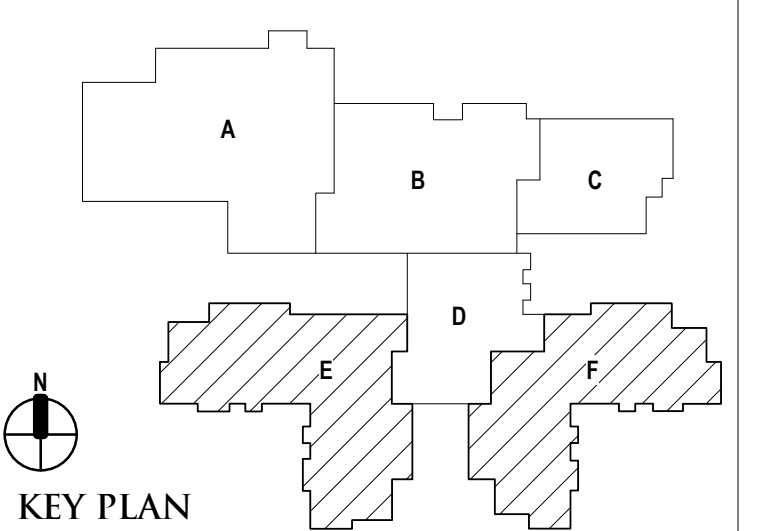
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
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**22102**

DRAWING NO.

**A7.8**

REGISTRATION SEAL

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PROJECT TITLE  
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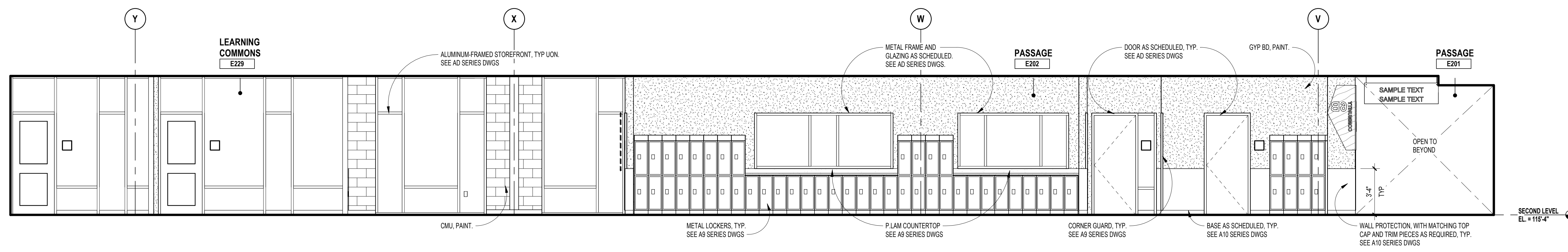
PROJECT NO.

**22102**

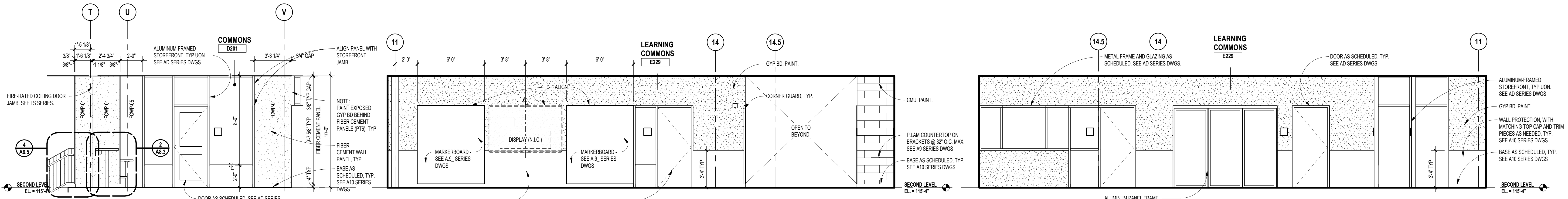
DRAWING NO.

**A7.9**

GLAZING TYPES	
GL-2	1/4" (6mm) CLEAR TEMPERED MONOLITHIC GLASS
GL-4	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS
GL-8	1/4" (6mm) CLEAR HEAT-STRENGTHENED LAMINATED GLASS w/ TINTED INTERLAYER
GL-13	1" (25mm) CLEAR TEMPERED INSULATING GLASS (LOW-E)
GL-18	1" (25mm) CLEAR TEMPERED INSULATING SPANDREL GLASS
GL-19	1" (25mm) CLEAR TEMPERED INSULATING GLASS (LOW-E) w/ APPLIED FRIT
GL-21	1" (25mm) CLEAR HEAT-STRENGTHENED LAMINATED INSULATING GLASS
GL-23	1" (25mm) CLEAR TEMPERED w/ TINTED INTERLAYER LAMINATED INSULATING GLASS (LOW-E)
FPGL-2	3/4" (19mm) FIRE PROTECTIVE GLAZING (45 MIN)
FRGL-4	1 1/8" (29mm) FIRE RESISTIVE GLAZING (60 MIN, ASTM E119)
SSGL-1	MONOLITHIC SECURITY GLAZING
SSGL-2	INSULATED SECURITY GLAZING



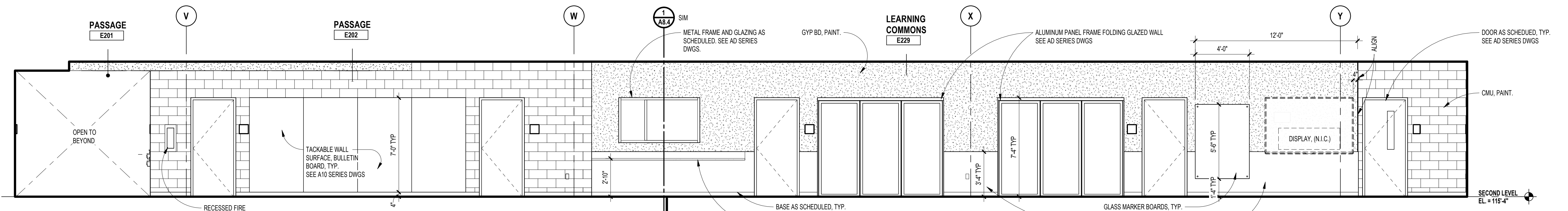
**8** INTERIOR ELEVATION - LEARNING COMMONS  
A1.2E SCALE: 1/4" = 1'-0"



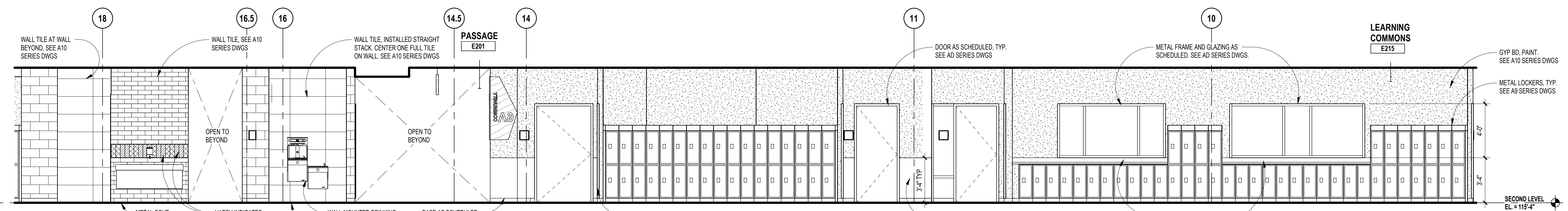
**7** INTERIOR ELEVATION - COMMONS AT LEVEL 2  
A1.2D SCALE: 1/4" = 1'-0"

**6** INTERIOR ELEVATION - LEARNING COMMONS  
A1.2E SCALE: 1/4" = 1'-0"

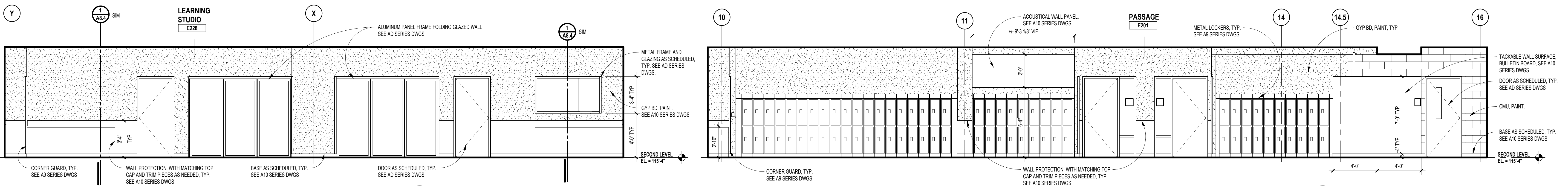
**5** INTERIOR ELEVATION - LEARNING COMMONS  
A1.2E SCALE: 1/4" = 1'-0"



**4** INTERIOR ELEVATION - LEARNING COMMONS  
A1.2E SCALE: 1/4" = 1'-0"

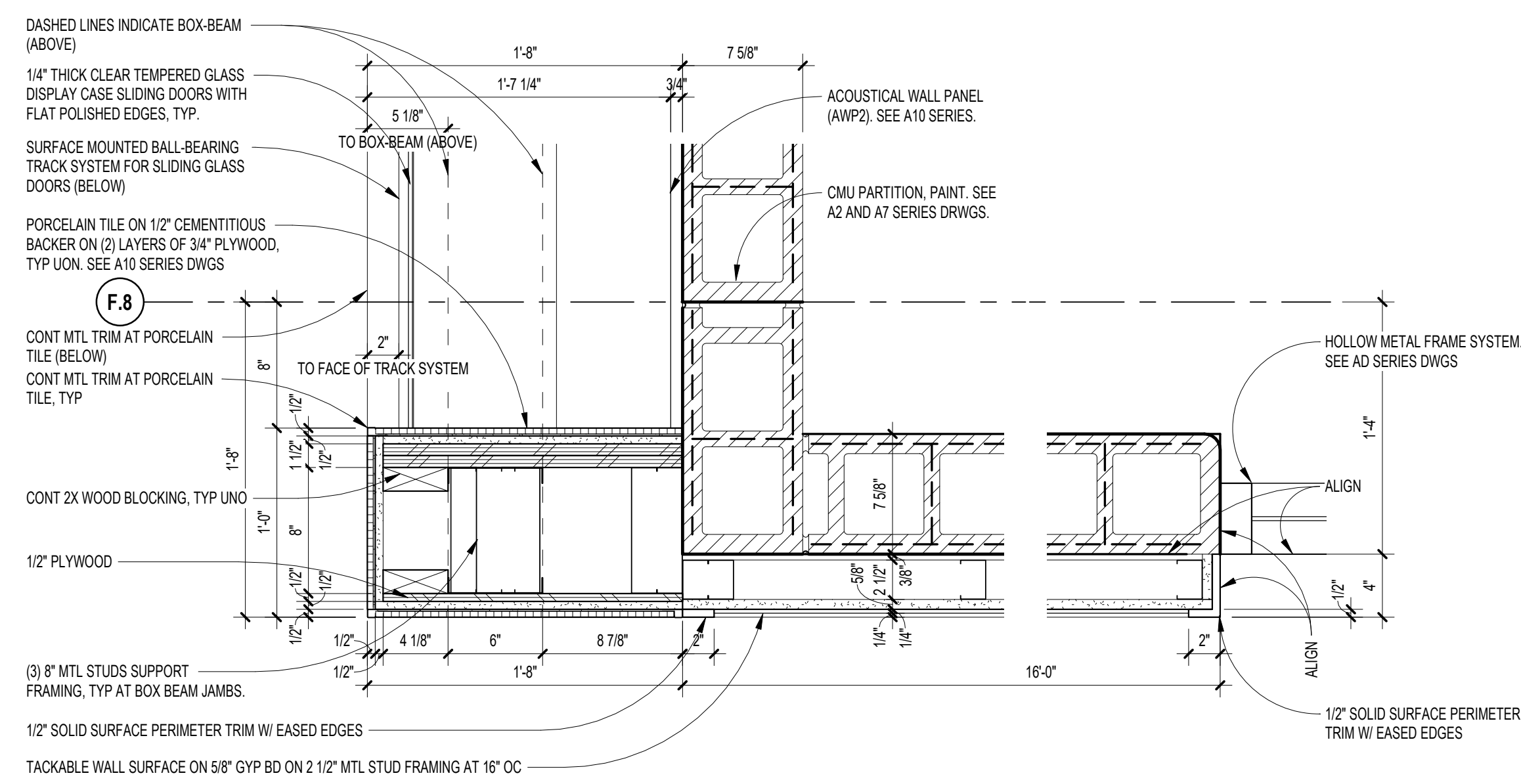


**3** INTERIOR ELEVATION - LEARNING COMMONS  
A1.2E SCALE: 1/4" = 1'-0"

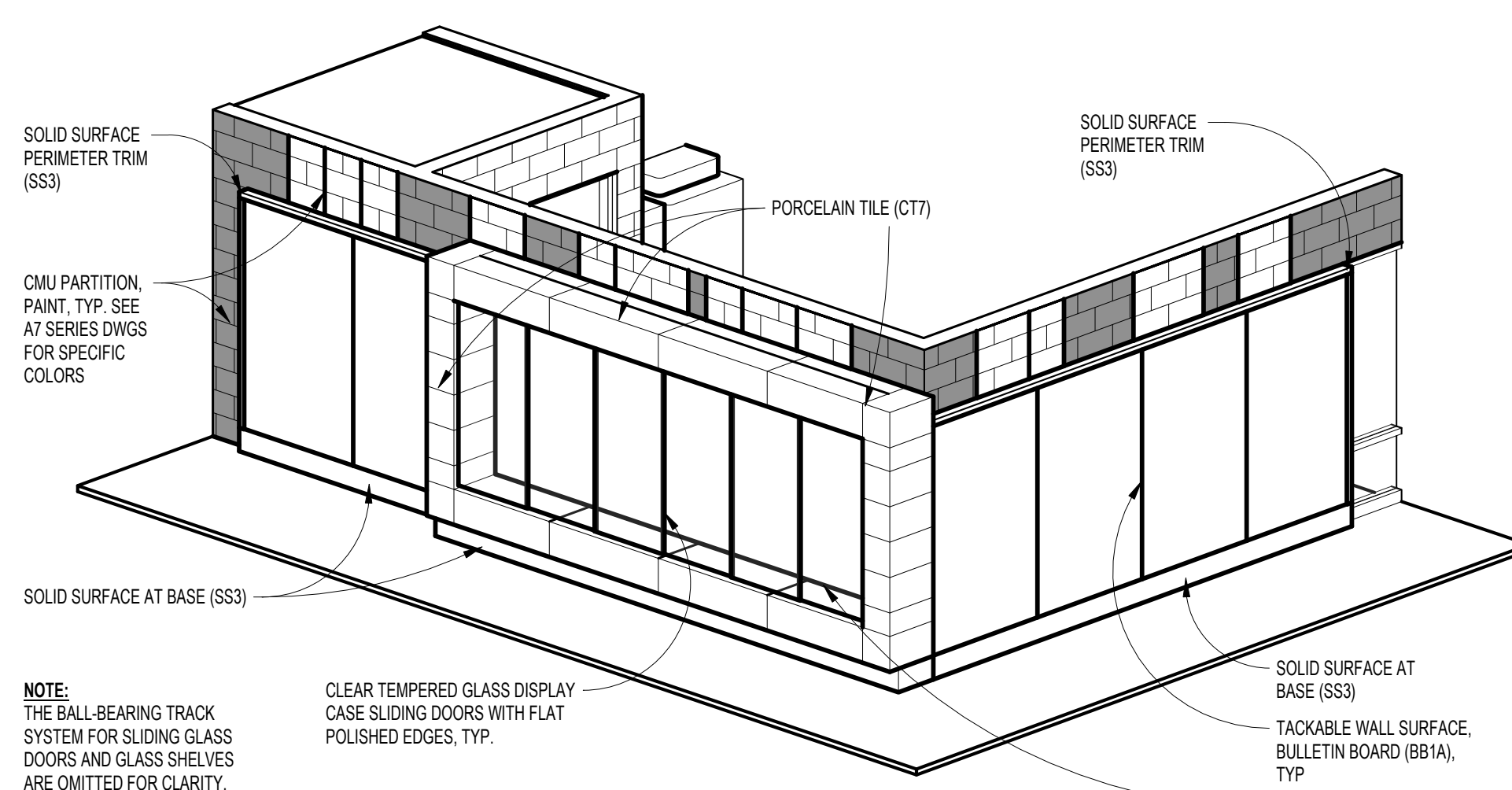


**2** INTERIOR ELEVATION - LEARNING STUDIOS  
A1.2E SCALE: 1/4" = 1'-0"

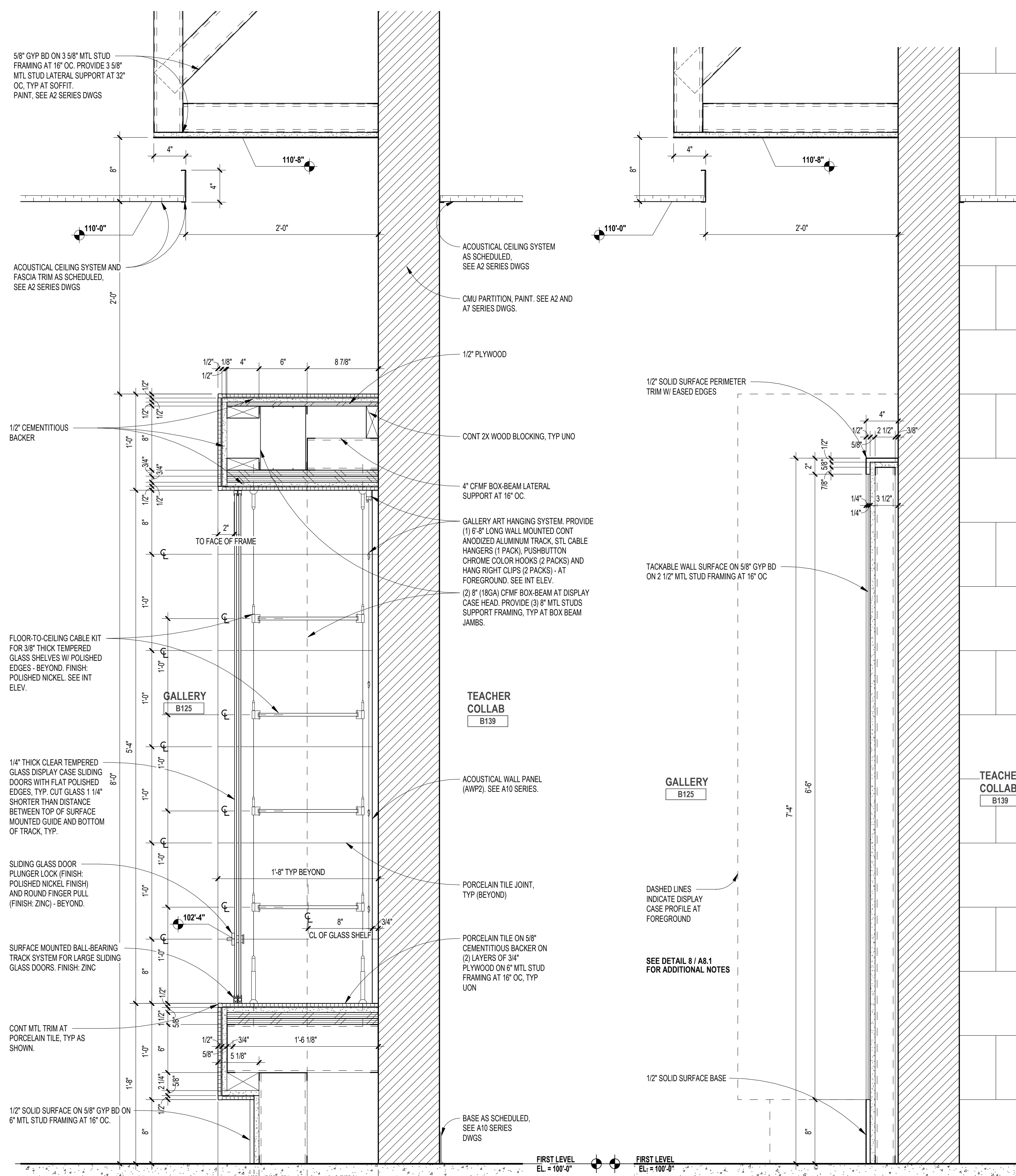
**1** INTERIOR ELEVATION - LEARNING COMMONS  
A1.2E SCALE: 1/4" = 1'-0"



**9 ENLARGED PLAN DETAIL**  
 SCALE: 1/12" = 1'-0"

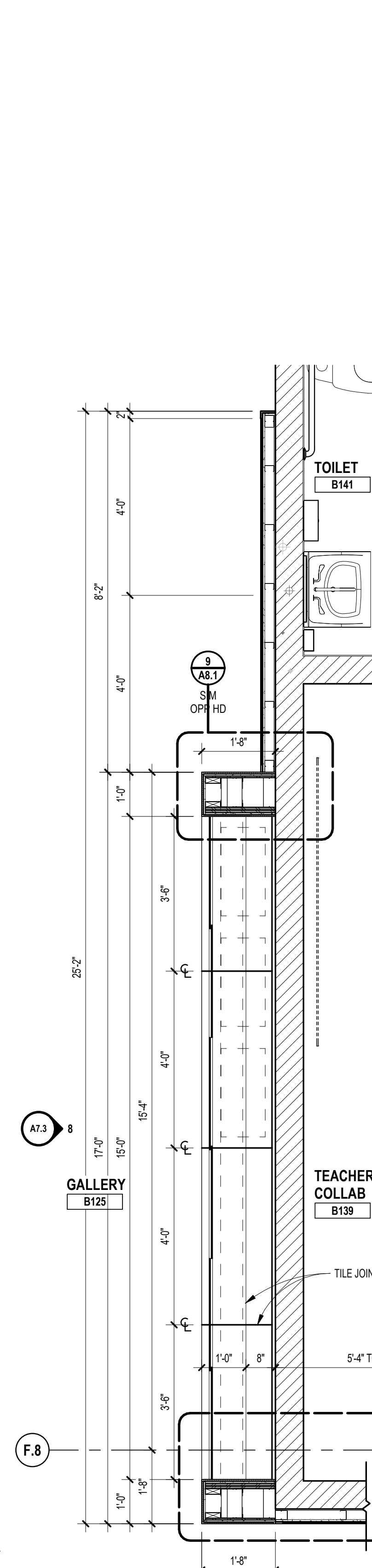


**7 ISOMETRIC VIEW - DISPLAY CASE**  
 SCALE:

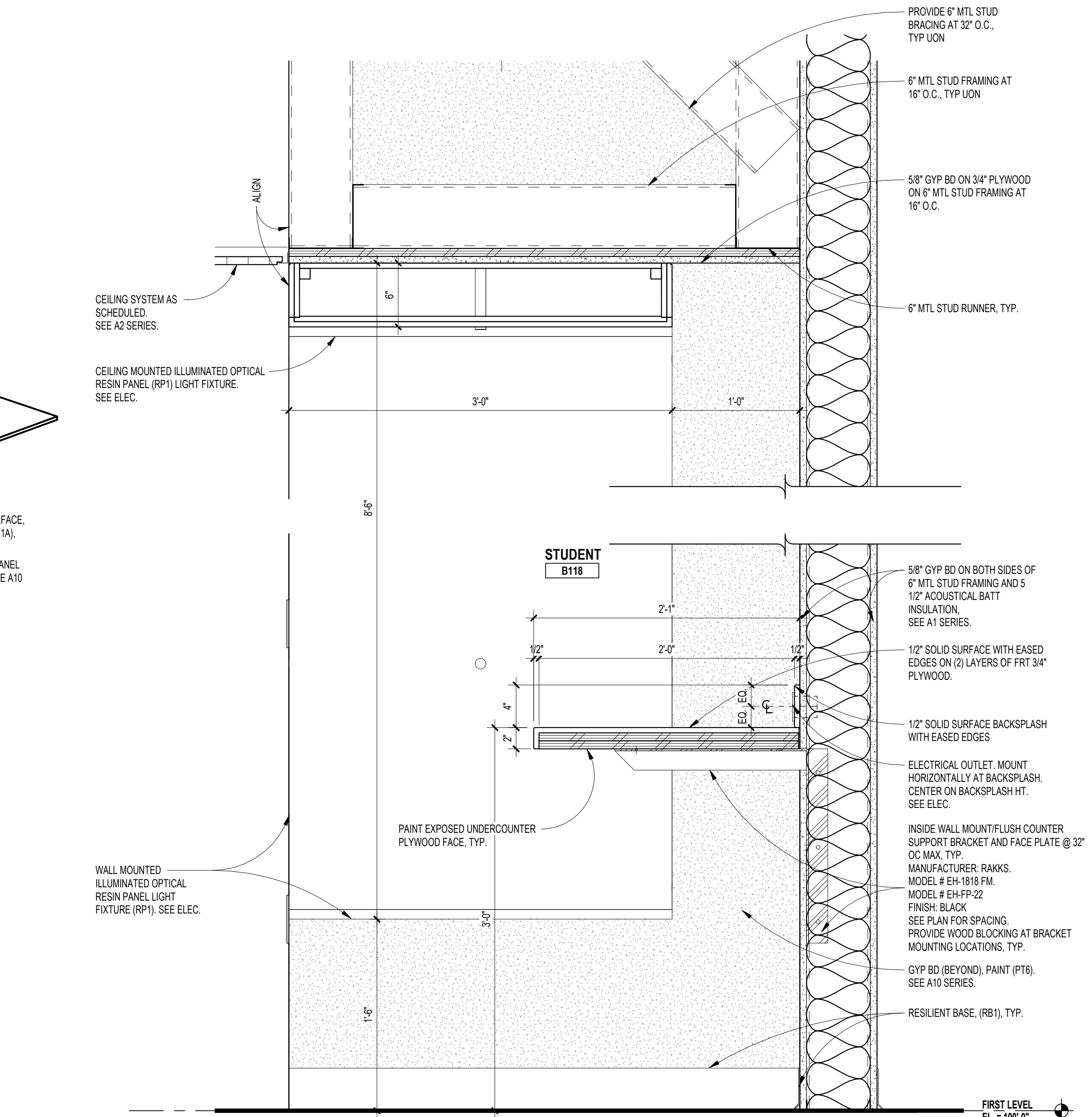


**8 SECTION DETAIL**  
 SCALE: 1/12" = 1'-0"

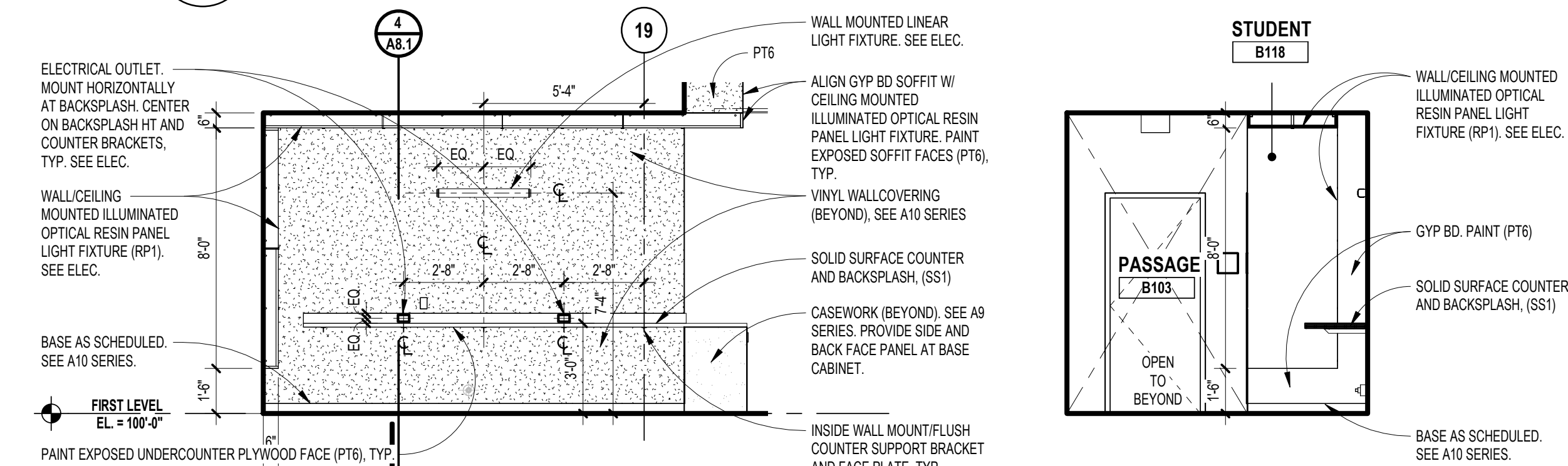
**6 SECTION DETAIL**  
 SCALE: 1/12" = 1'-0"



**5 ENLARGED PLAN - GALLERY**  
 SCALE: 1/2" = 1'-0"

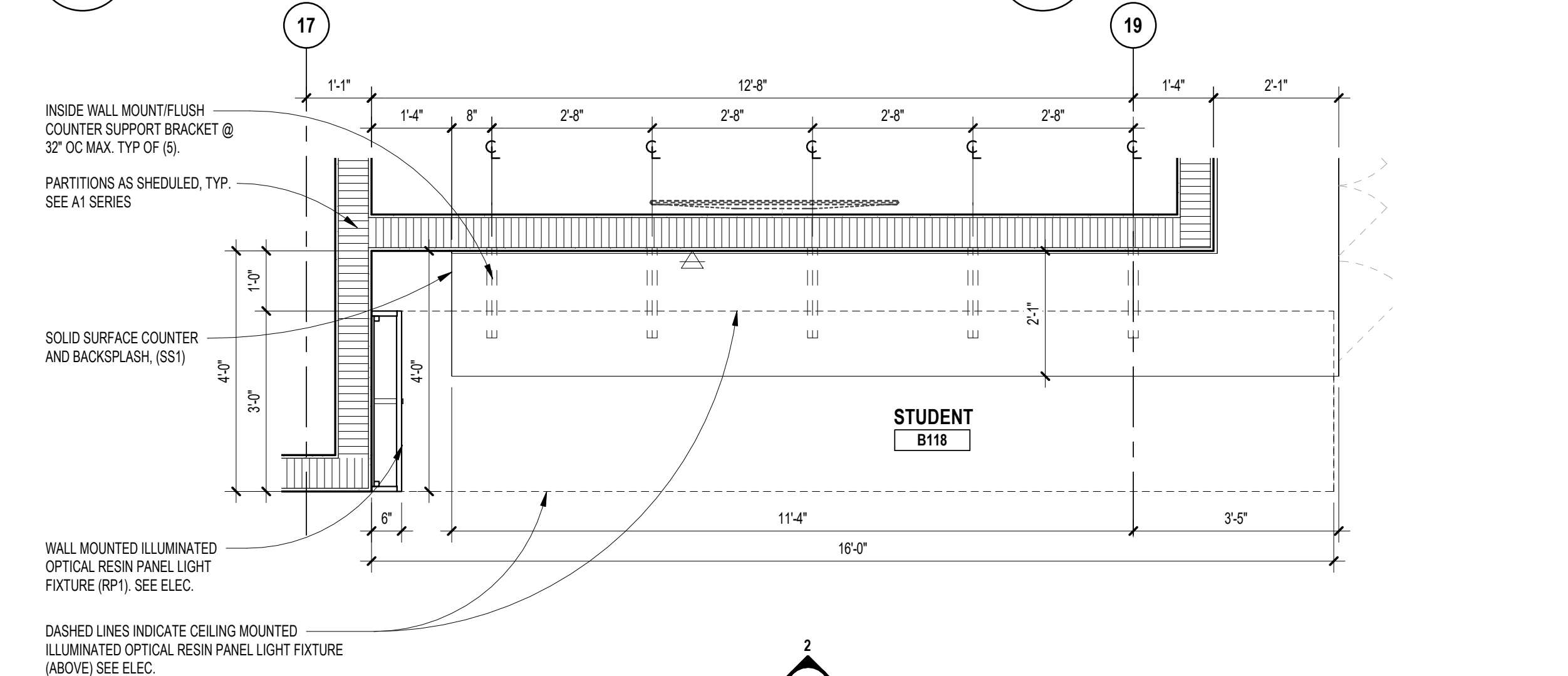


**4 SECTION DETAIL**  
 SCALE: 1/12" = 1'-0"



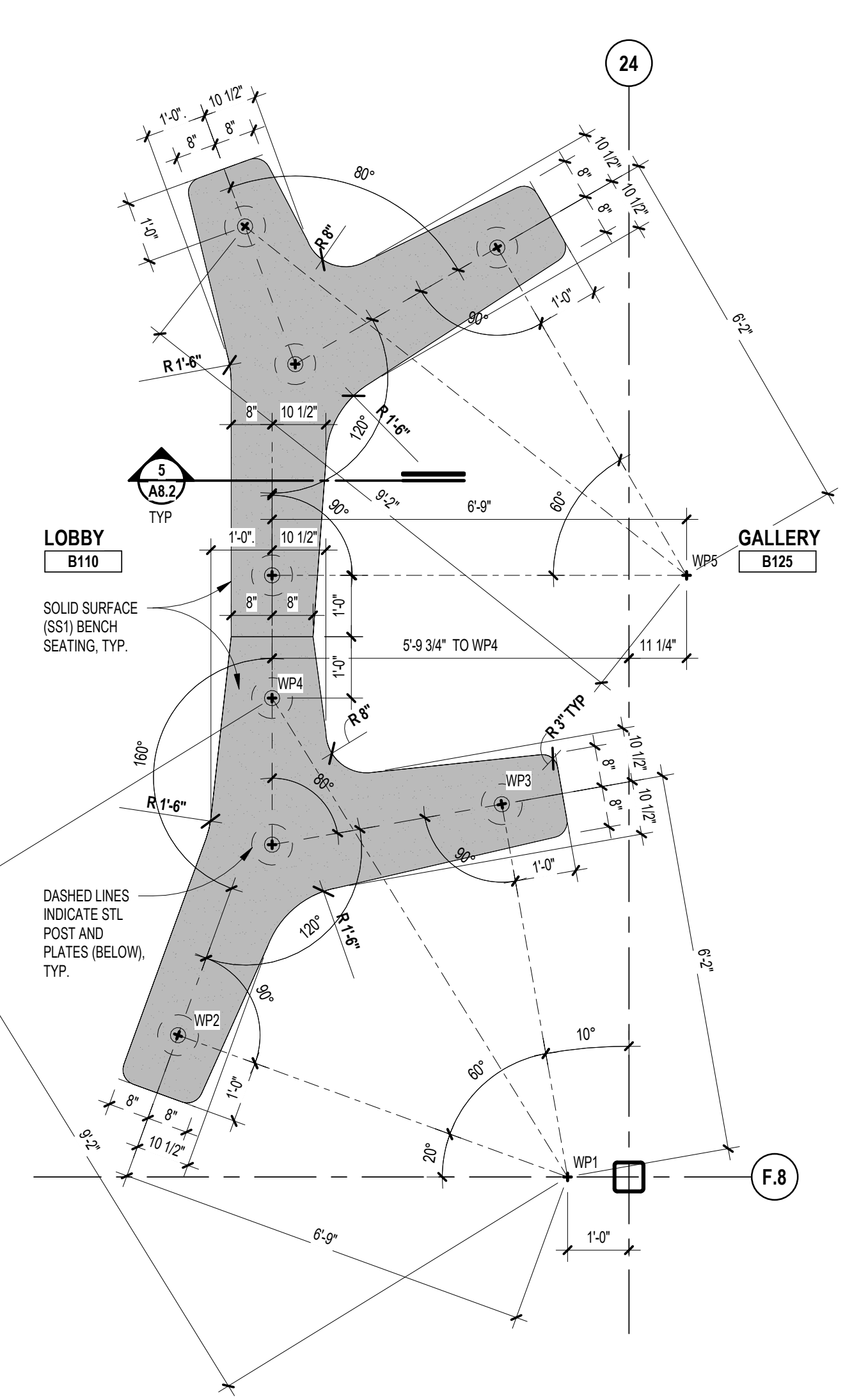
**2 INTERIOR ELEVATION - STUDENT B118**  
 SCALE: 1/4" = 1'-0"

**3 INTERIOR ELEVATION - STUDENT B118**  
 SCALE: 1/4" = 1'-0"

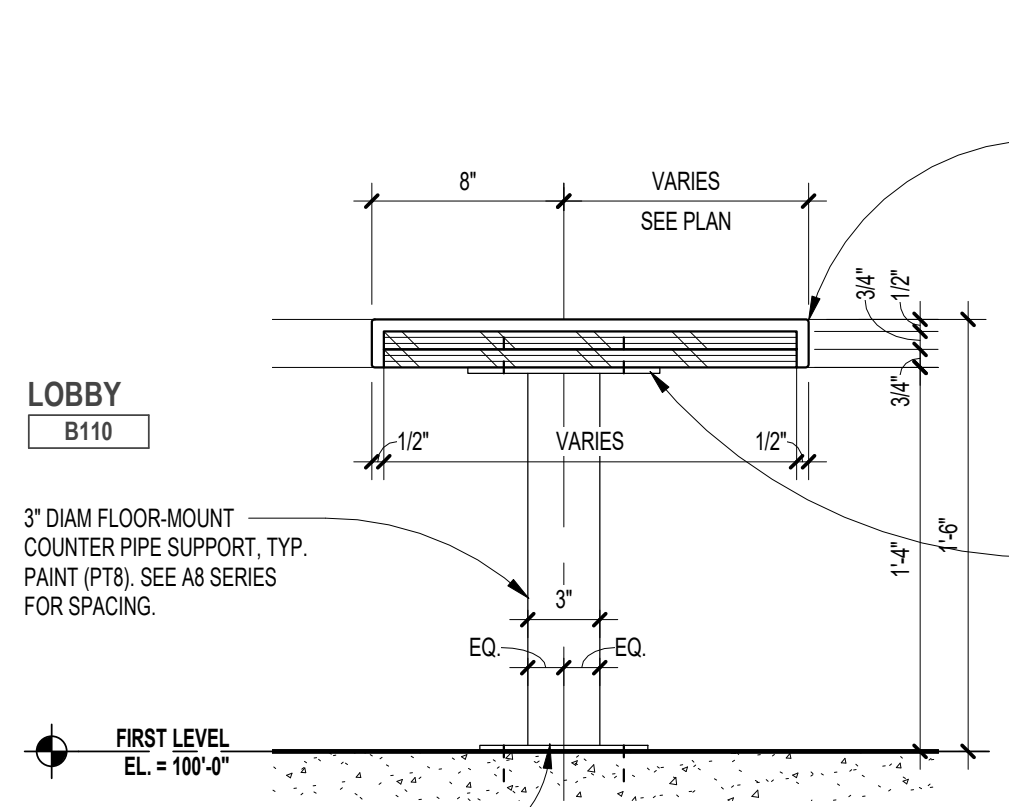


**1 MILLWORK PLAN - STUDENT B118**  
 SCALE: 1/2" = 1'-0"

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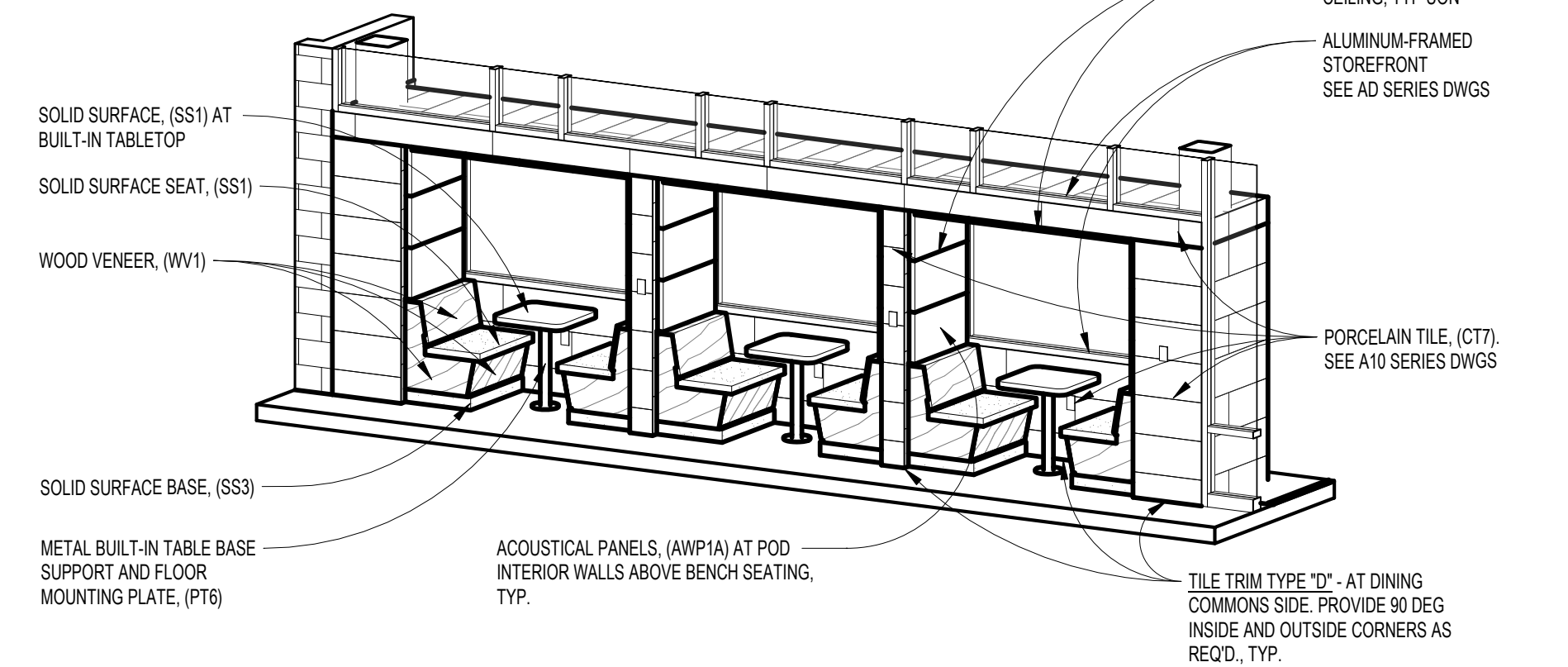


**6 ISOMETRIC VIEW - ART GALLERY BENCH**  
SCALE:

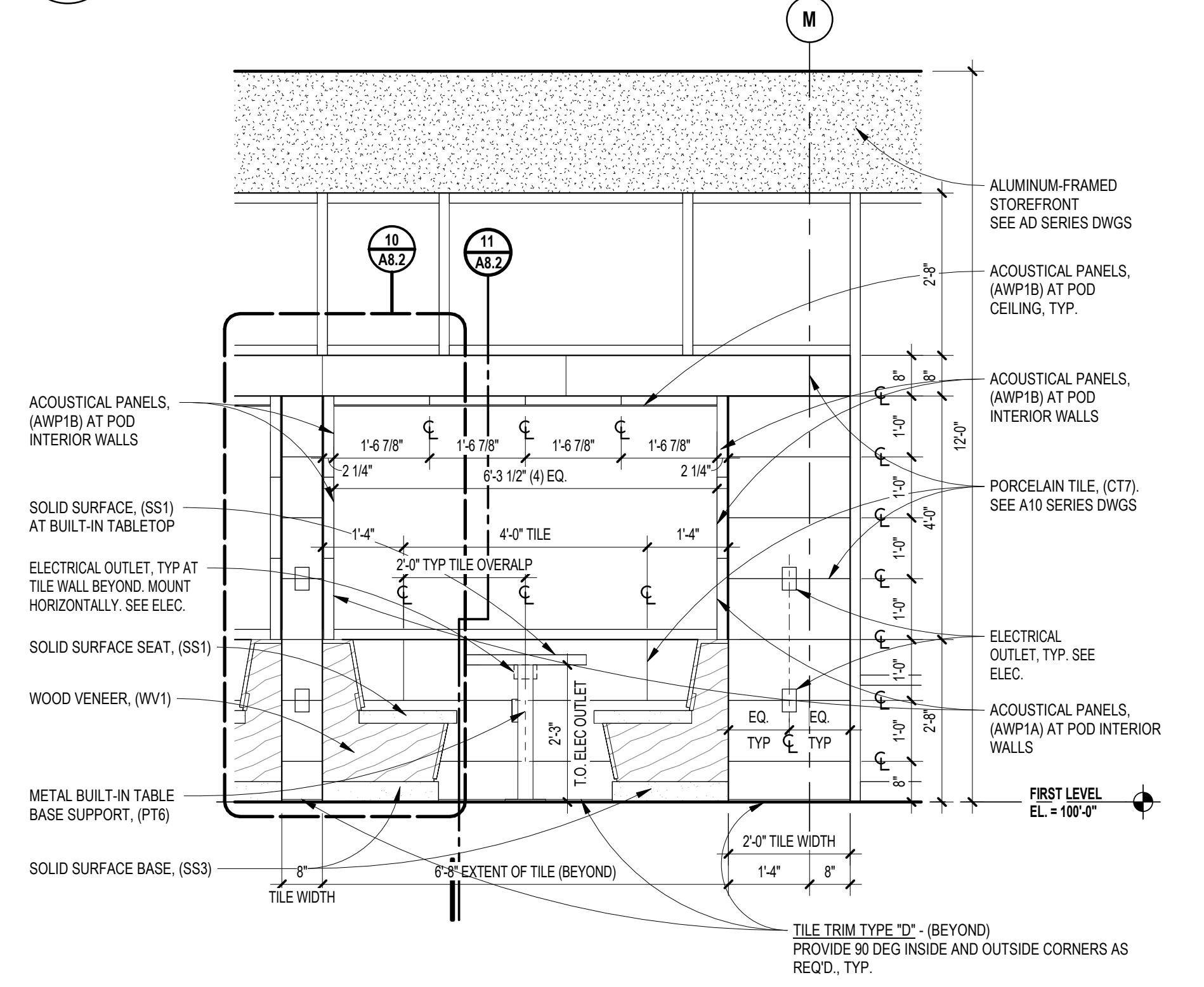


**5 SECTION DETAIL - ART GALLERY BENCH, TYP**  
SCALE: 1 1/2" = 1'-0"

**3 ENLARGED PLAN - ART GALLERY BENCH**  
SCALE: 1/2" = 1'-0"

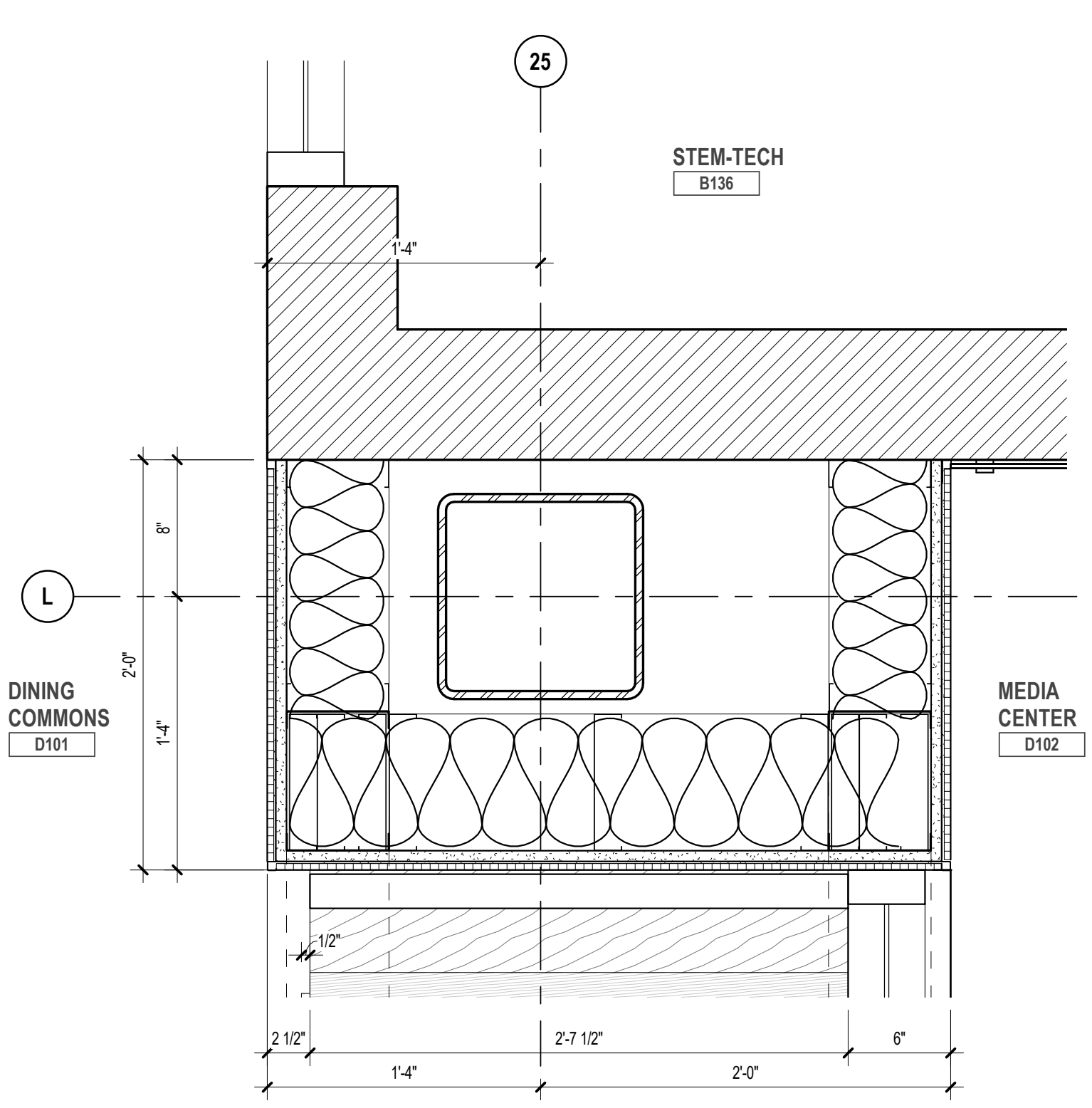


**2 ISOMETRIC VIEW - DINING PODS**  
SCALE:

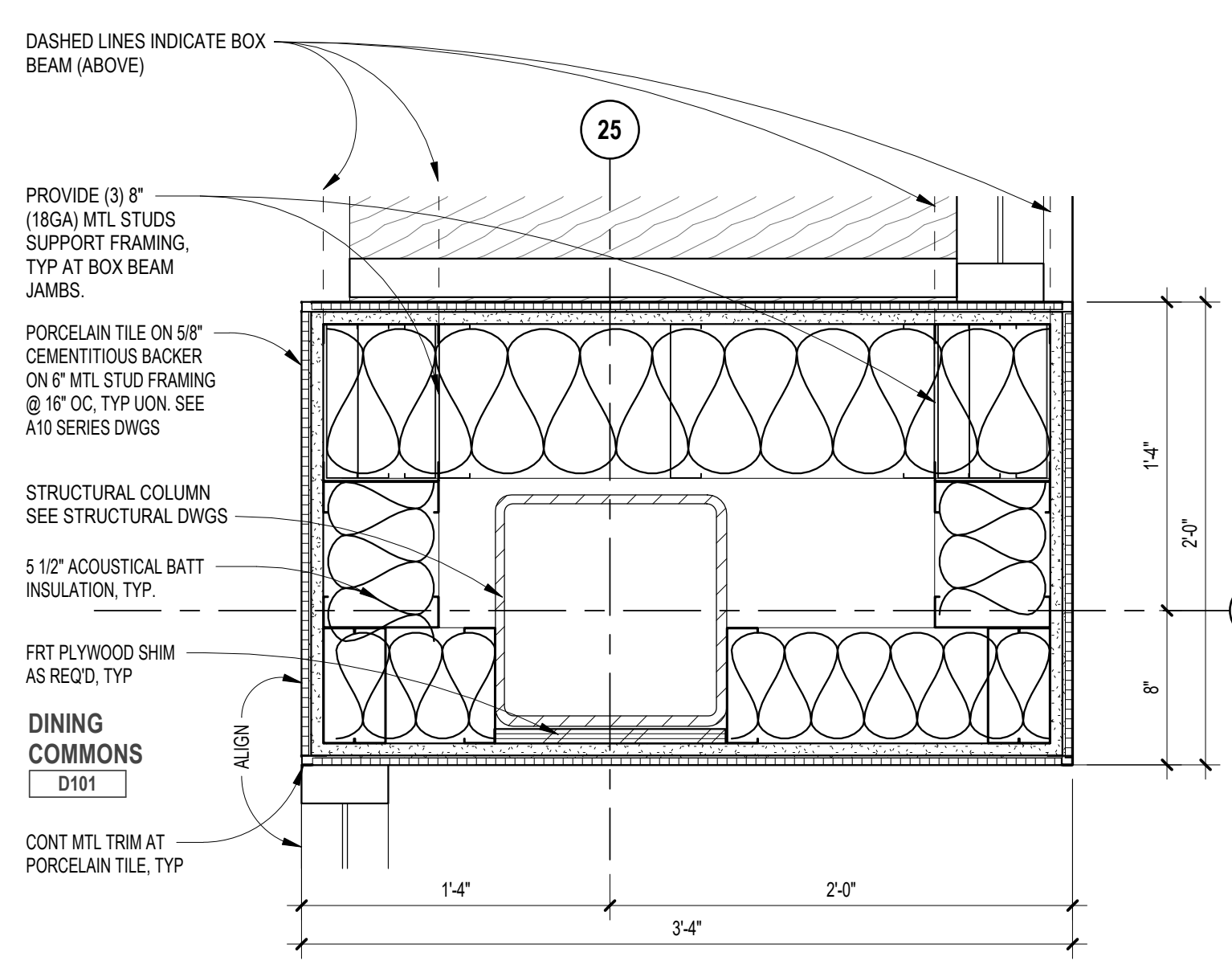


**1 INTERIOR ELEVATION - DINING COMMONS BOOTH**  
SCALE: 1/2" = 1'-0"

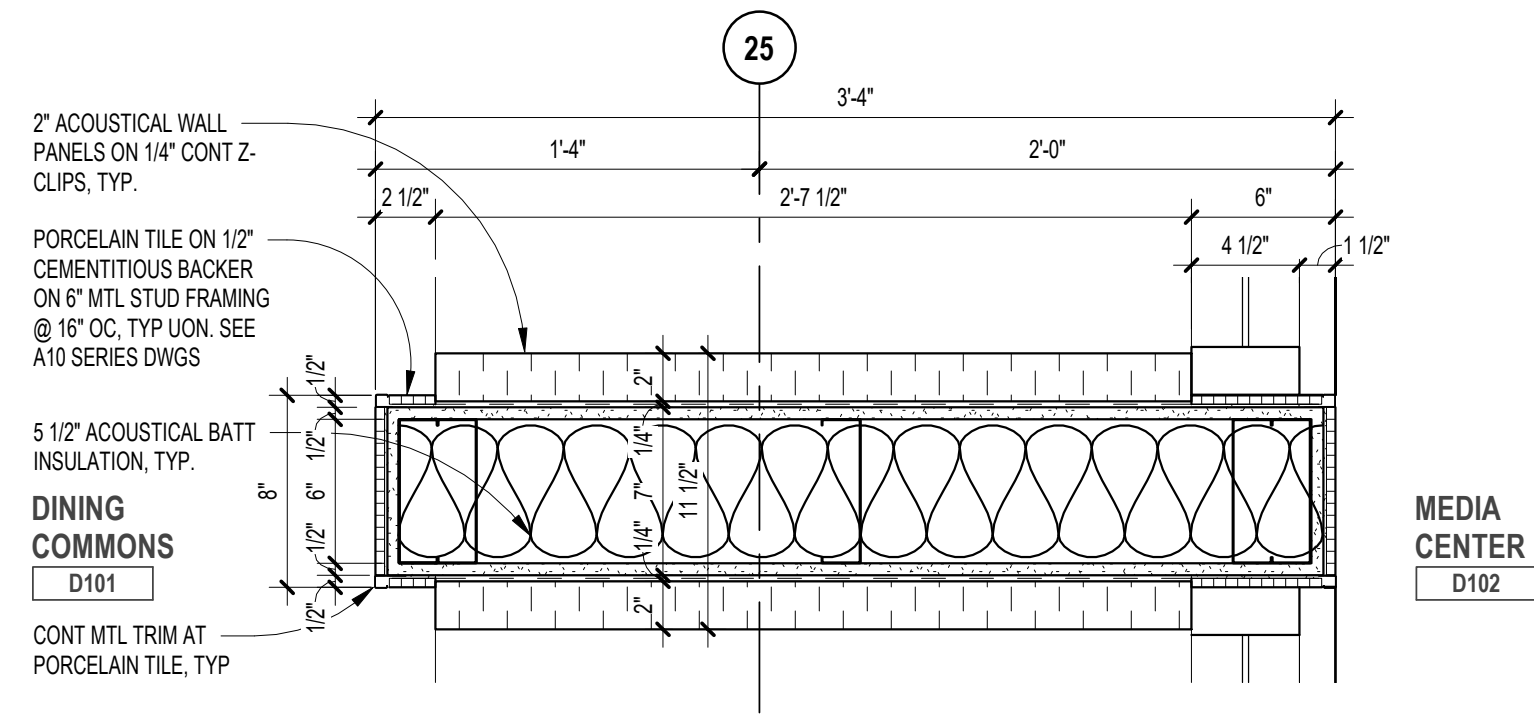
**4 MILLWORK PLAN - DINING COMMONS BOOTH**  
SCALE: 1/2" = 1'-0"



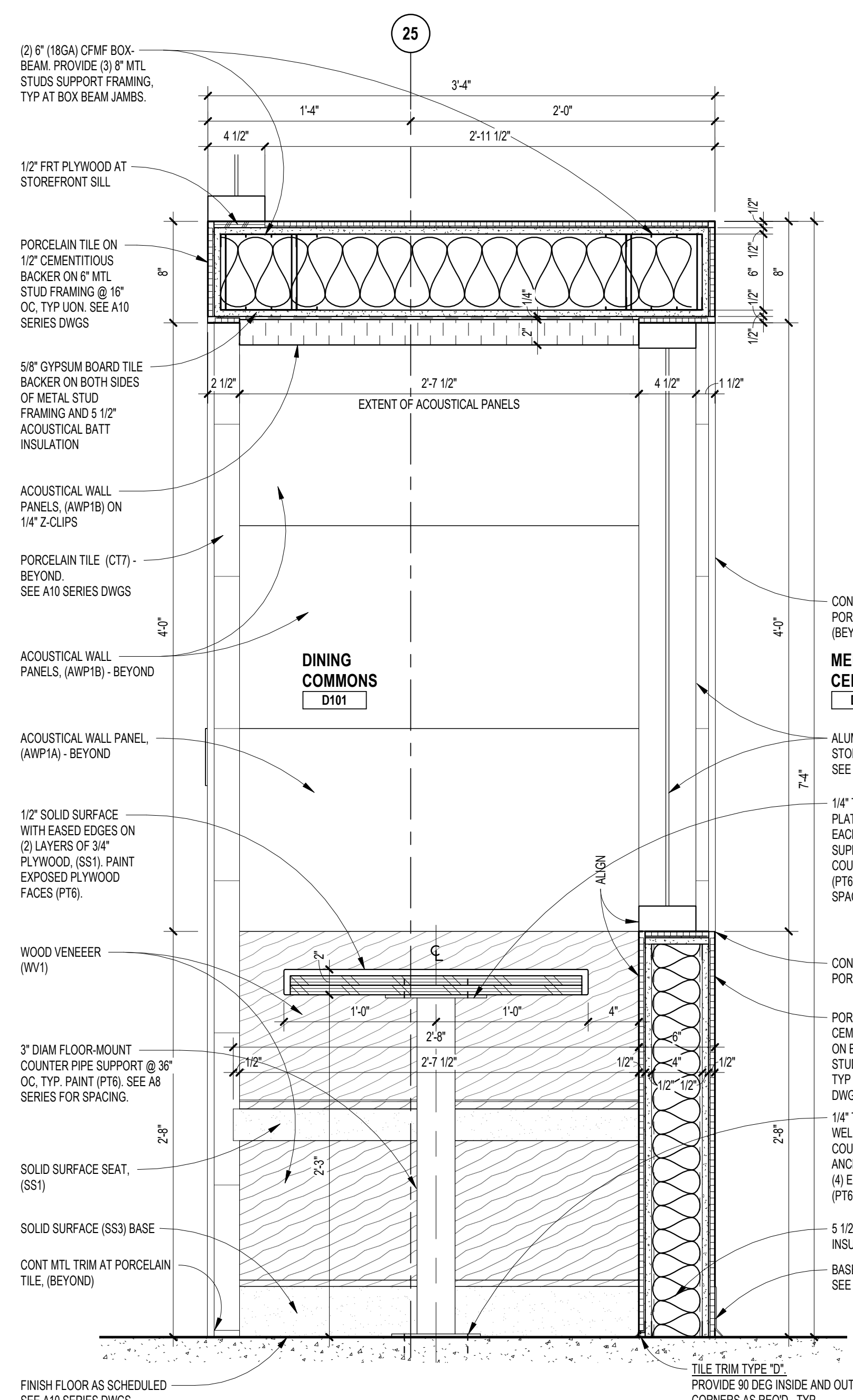
**9 PLAN DETAIL**  
SCALE: 1 1/2" = 1'-0"



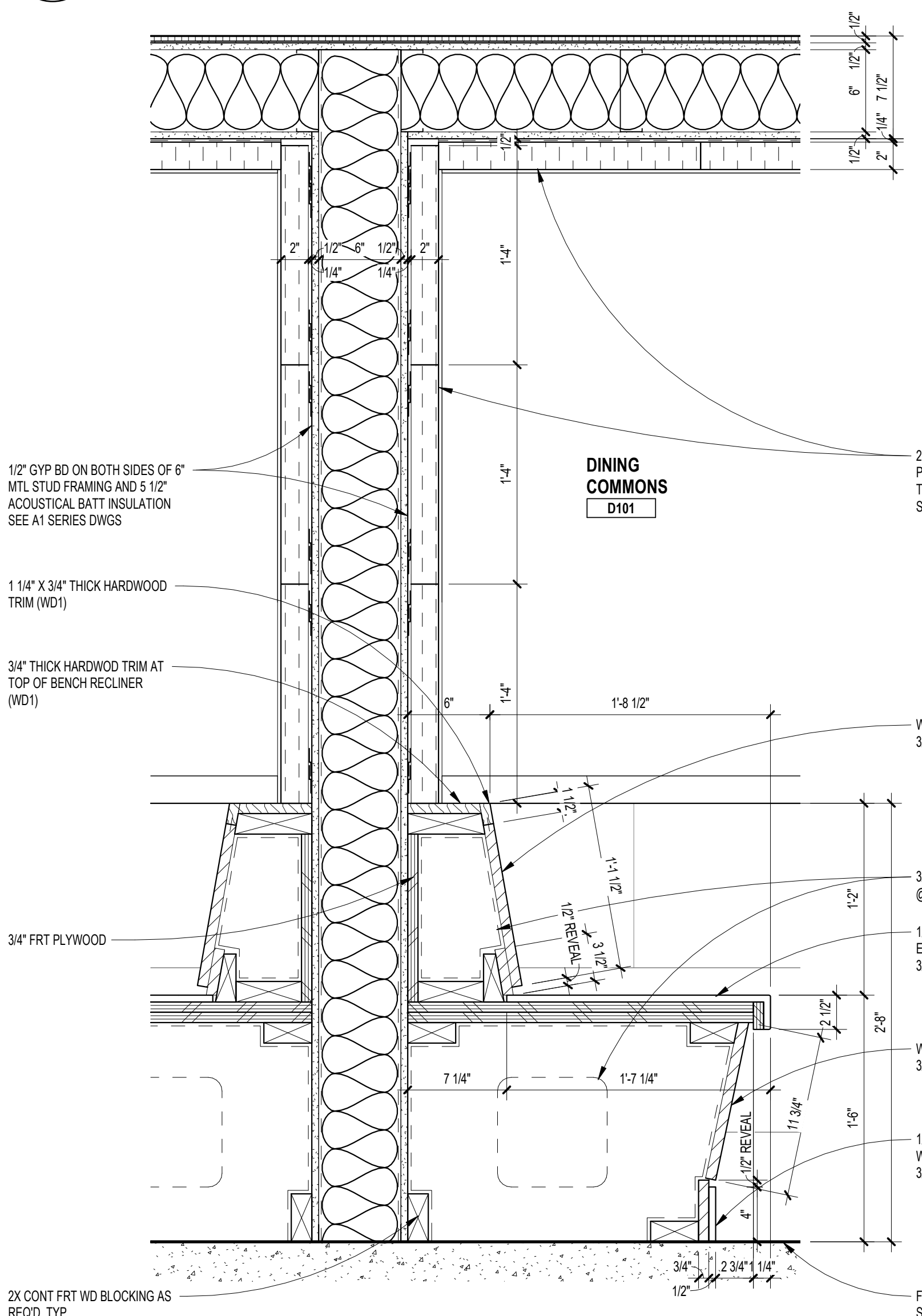
**8 PLAN DETAIL**  
SCALE: 1 1/2" = 1'-0"



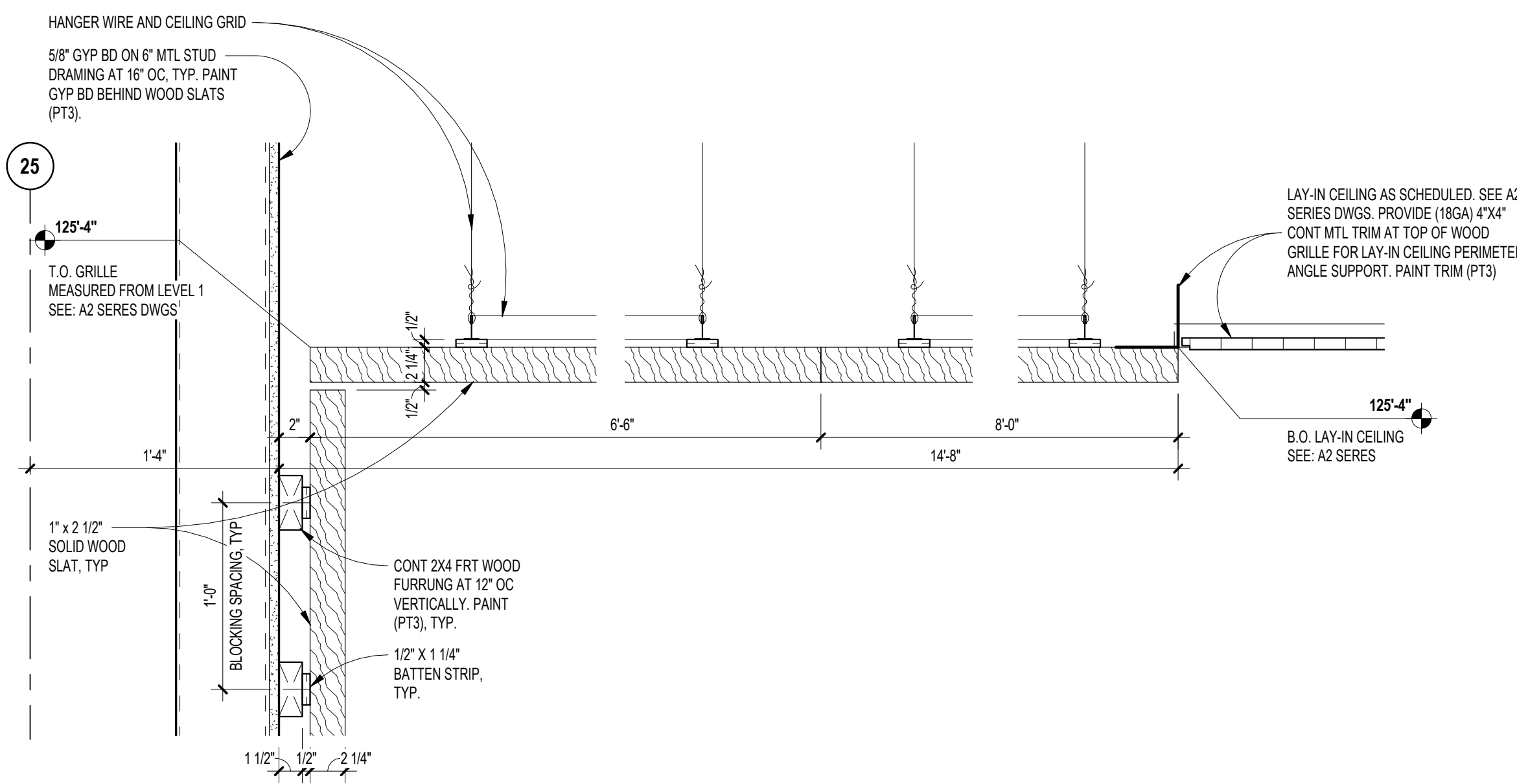
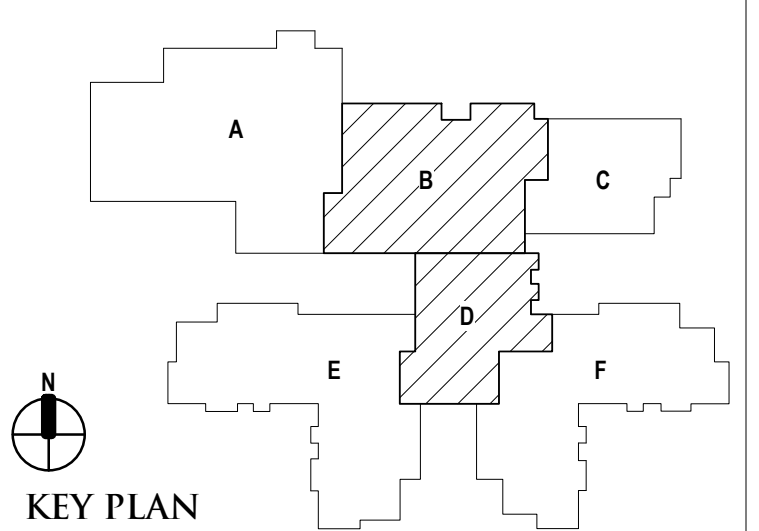
**7 PLAN DETAIL**  
SCALE: 1 1/2" = 1'-0"



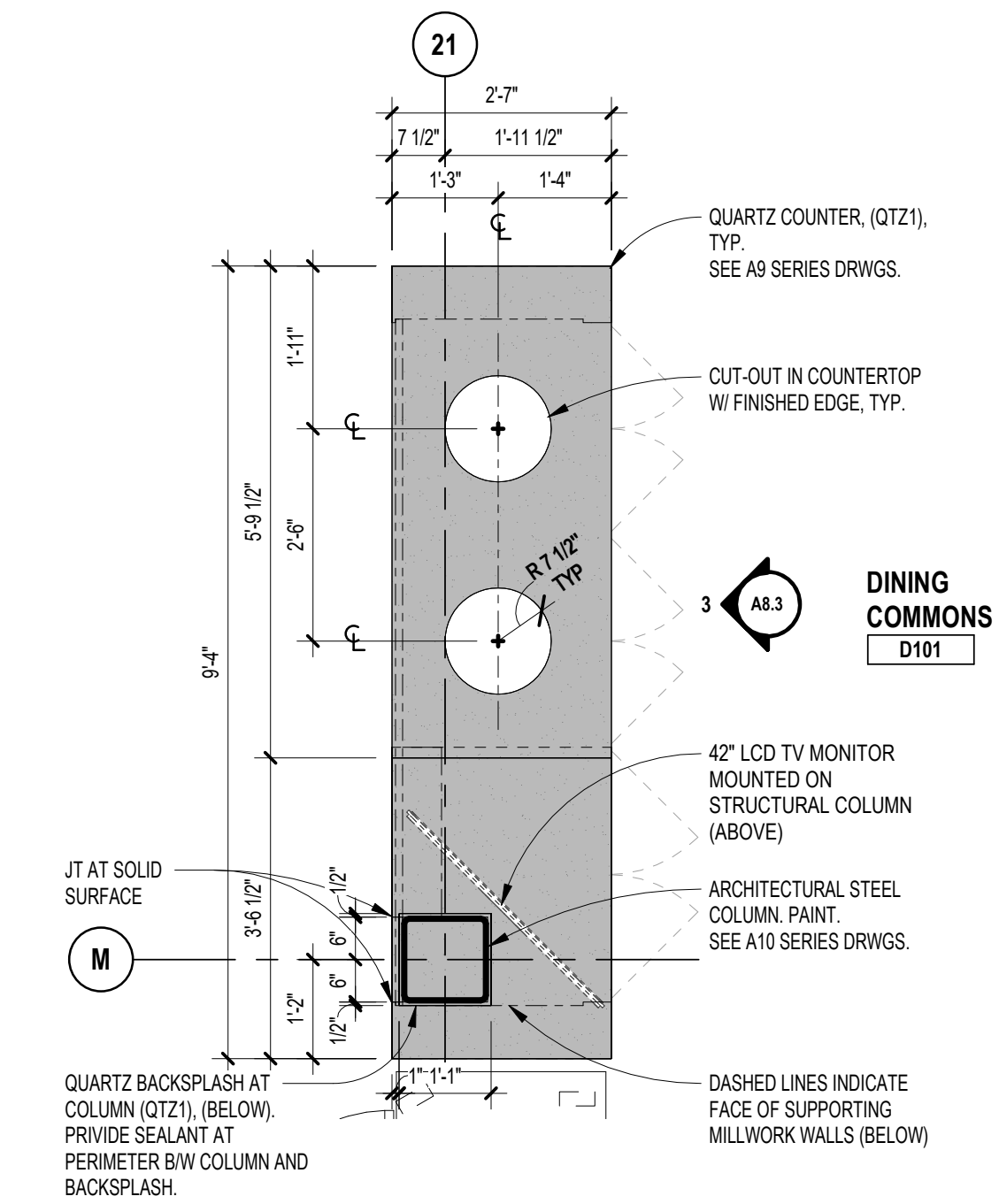
**11 SECTION DETAIL**  
SCALE: 1 1/2" = 1'-0"



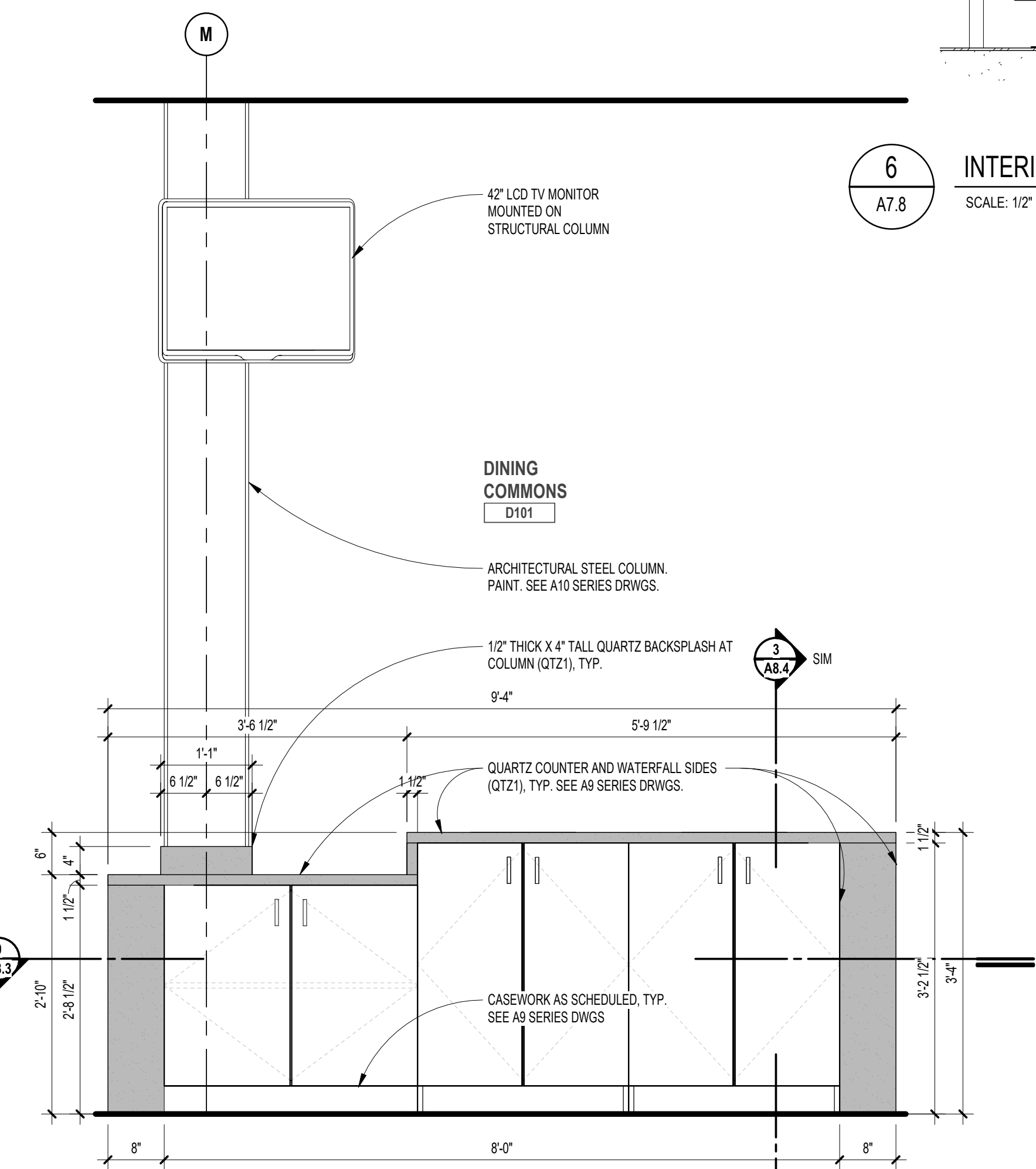
**10 SECTION DETAIL**  
SCALE: 1 1/2" = 1'-0"



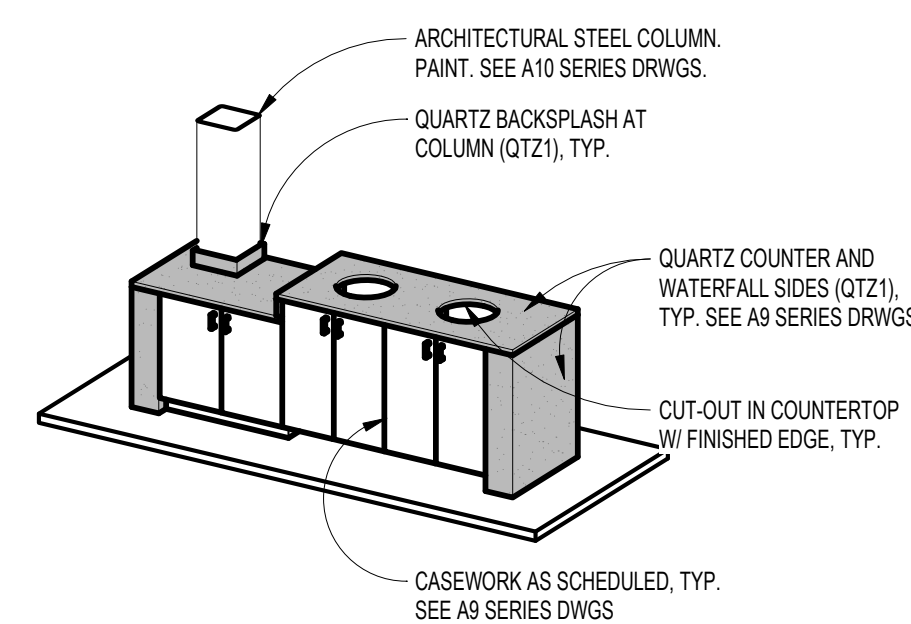
**10 WALL TO CEILING TRANSITION DETAIL AT WOOD GRILLE**  
SCALE: 1 1/2\"/>



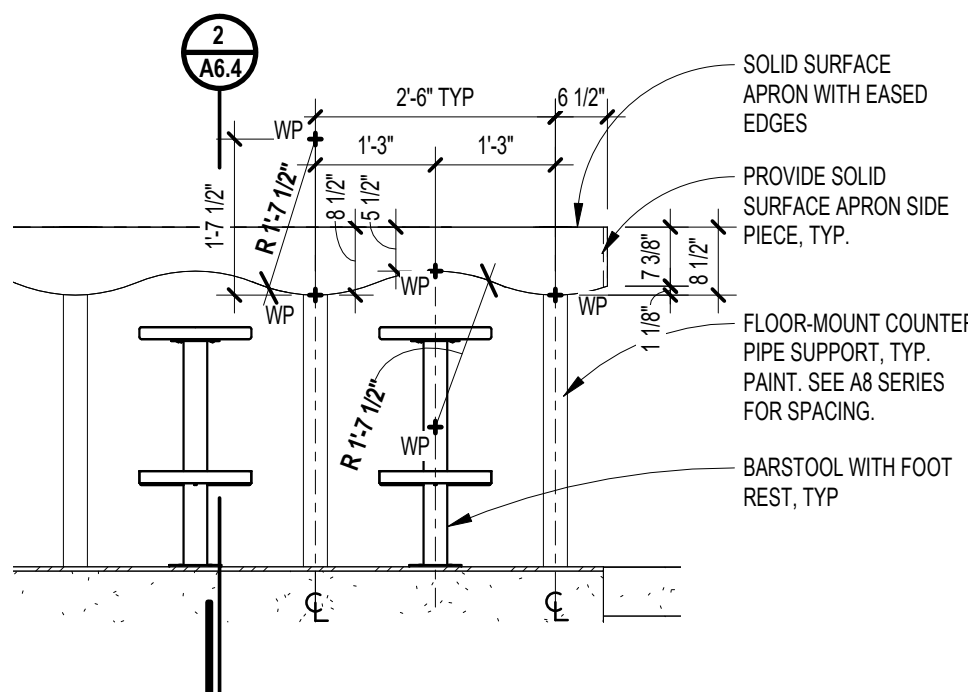
**8 MILLWORK PLAN - DINING COMMONS TRASH**  
SCALE: 1/2\"/>



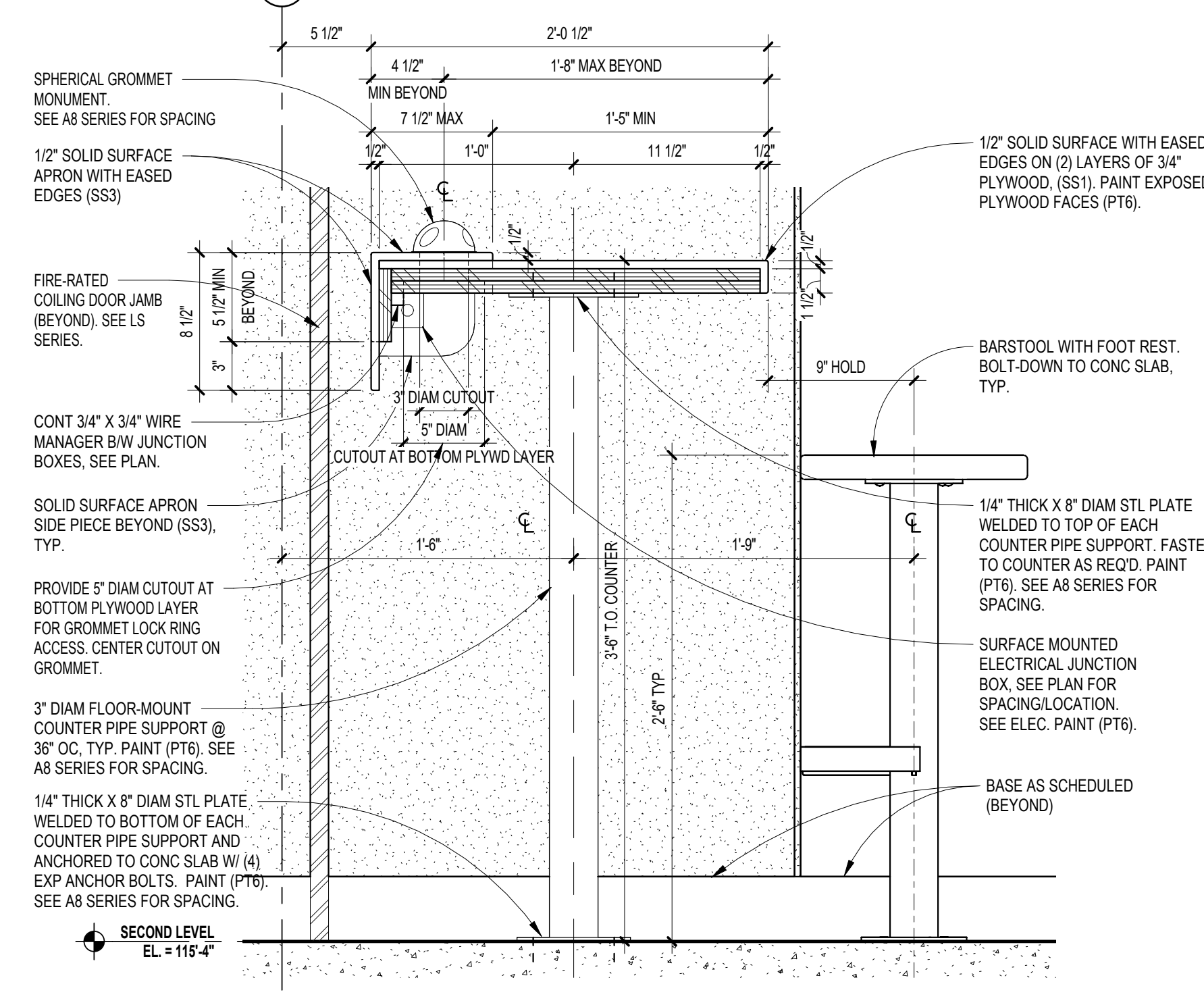
**3 INTERIOR ELEVATION - DINING COMMONS TRASH**  
SCALE: 3/4\"/>



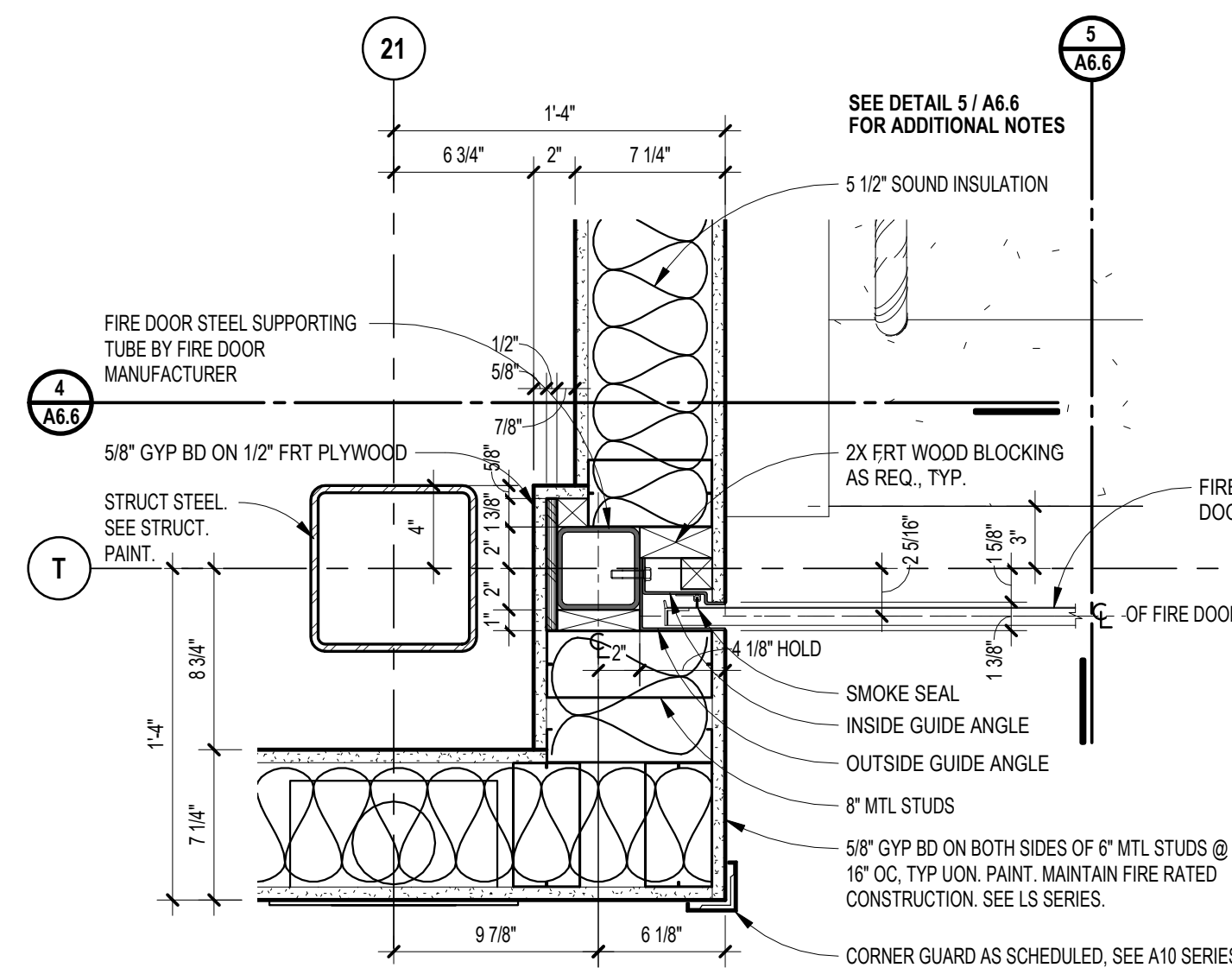
**7 ISOMETRIC VIEW - DINING COMMONS TRASH**  
SCALE:



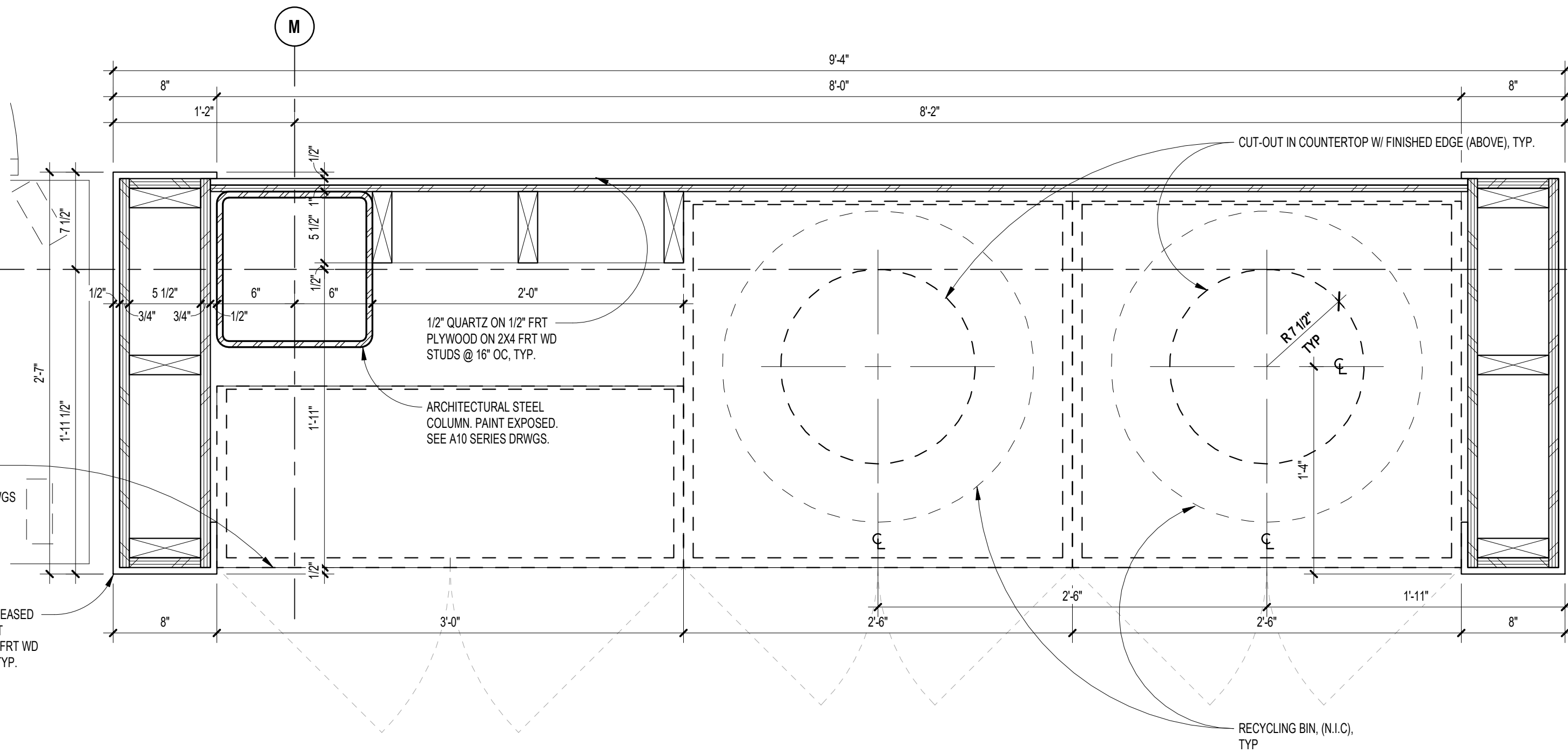
**6 INTERIOR ELEVATION - BAR-HEIGHT COUNTER APRON**  
SCALE: 1/2\"/>



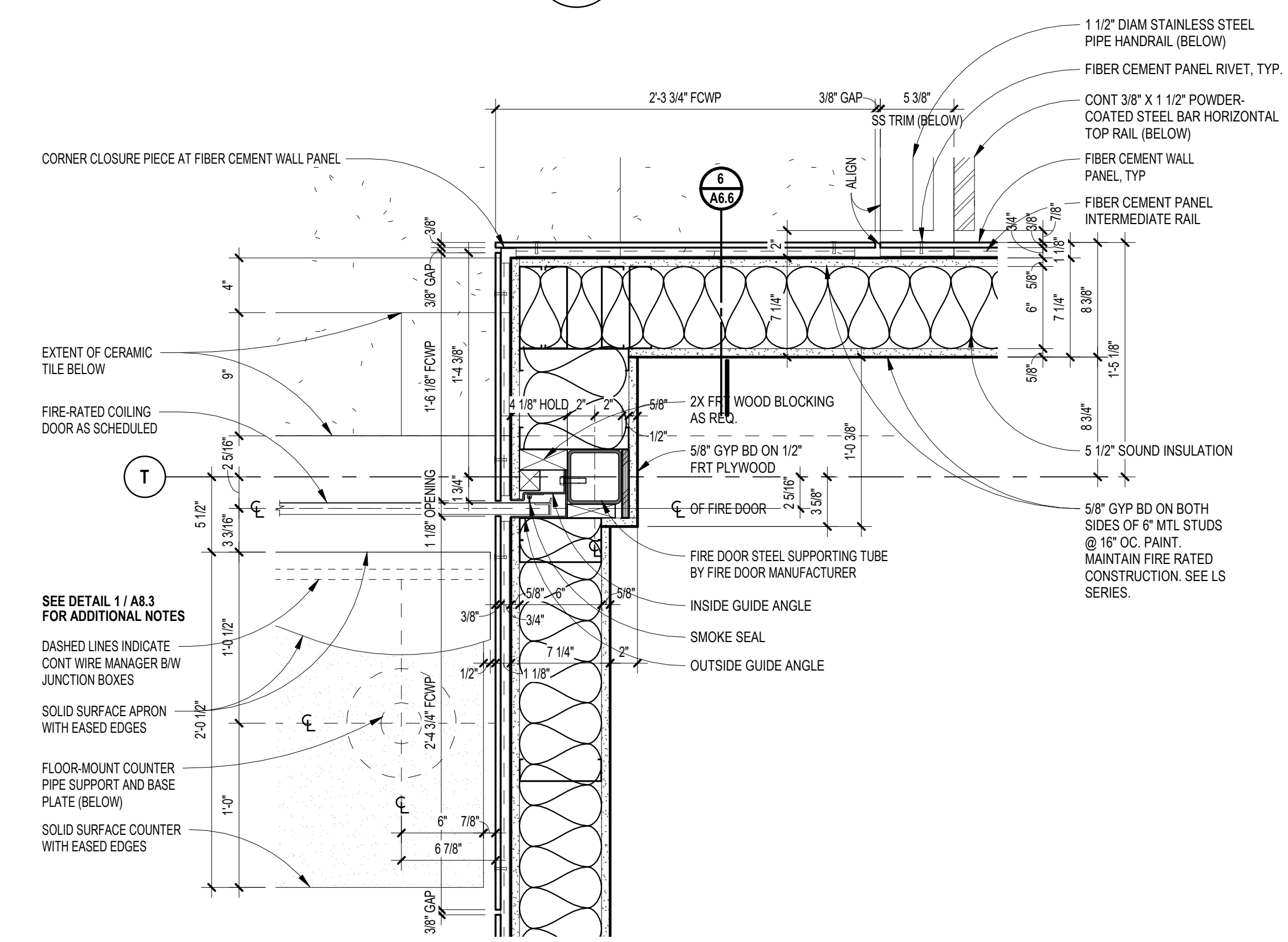
**2 SECTION DETAIL - BAR-HEIGHT COUNTER AT LEVEL 2**  
SCALE: 1 1/2\"/>



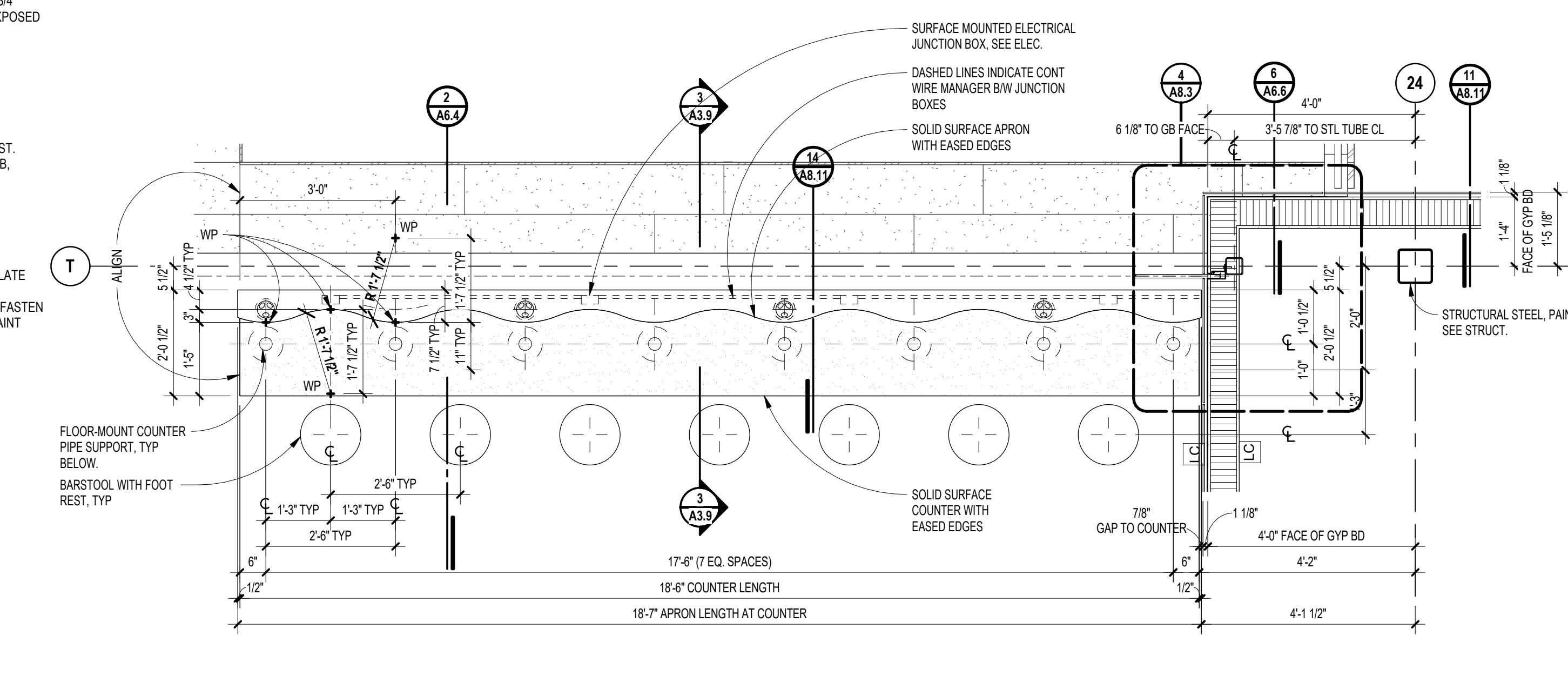
**5 PLAN DETAIL AT FIRE-RATED COILING DOOR JAMB AT LEVEL 2**  
SCALE: 1 1/2\"/>



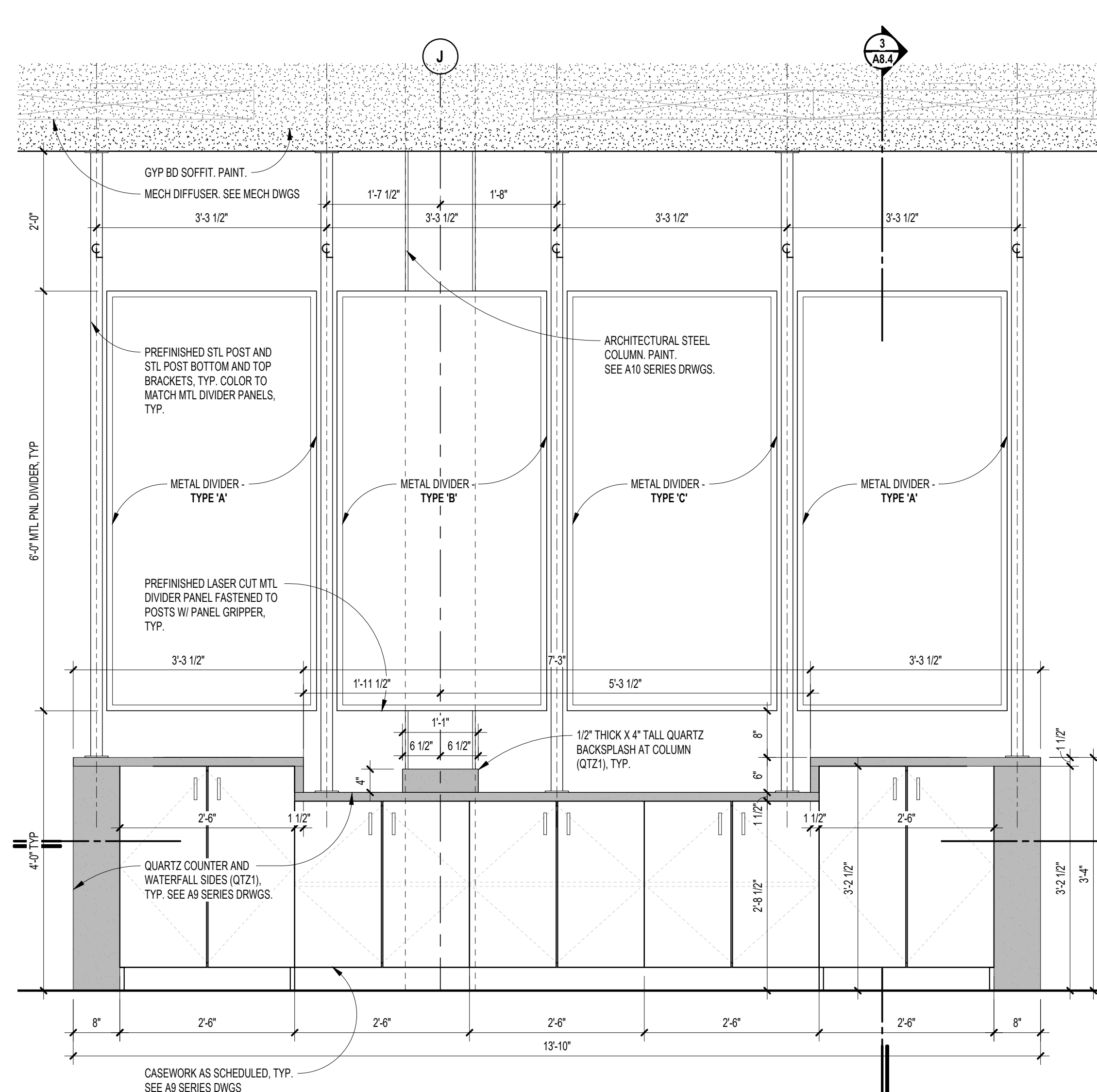
**9 ENLARGED PLAN DETAIL - DINING COMMONS TRASH**  
SCALE: 1 1/2\"/>



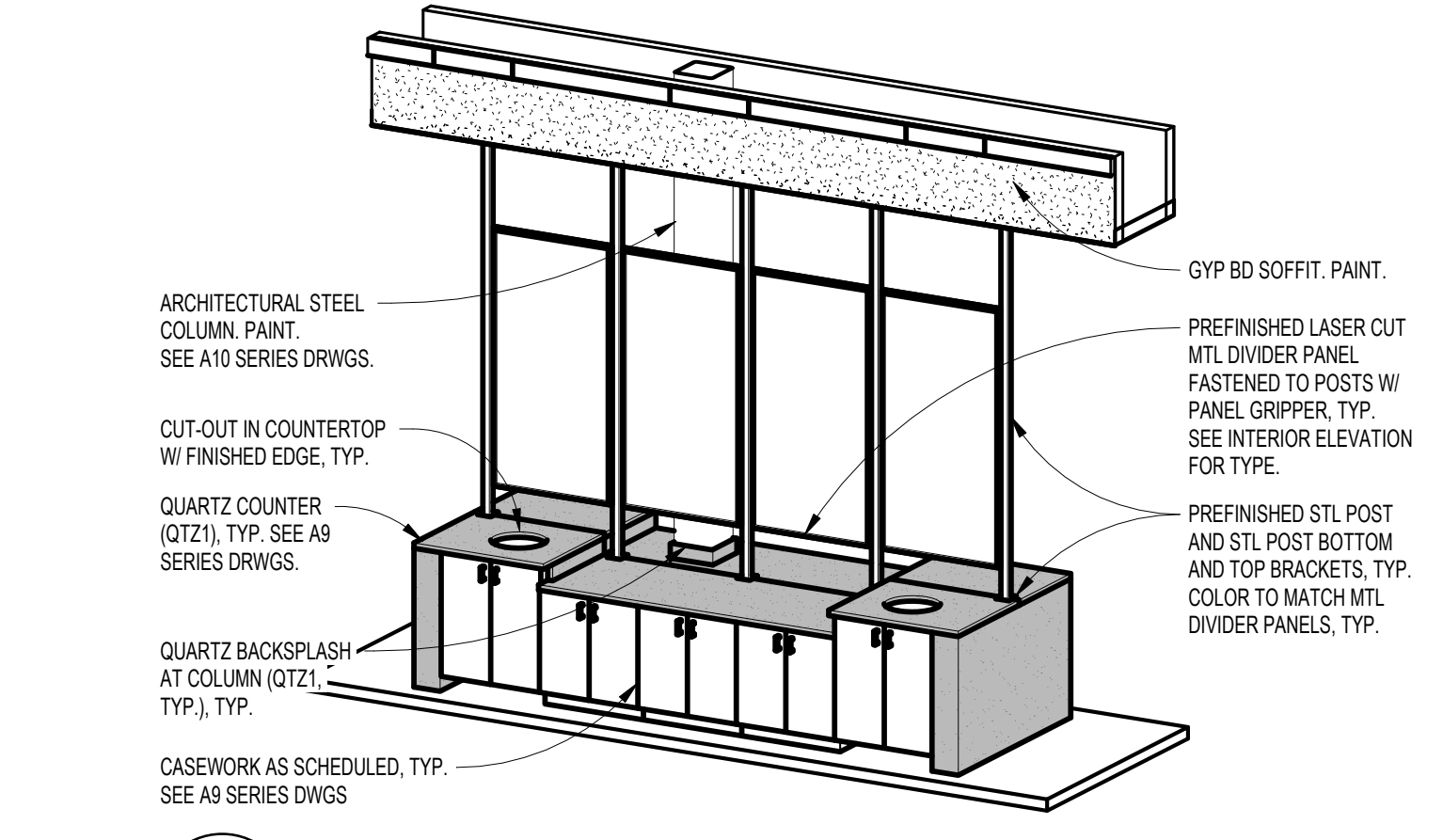
**4 PLAN DETAIL AT FIRE-RATED COILING DOOR JAMB & BAR-HEIGHT COUNTER AT LEVEL 2**  
SCALE: 1 1/2\"/>



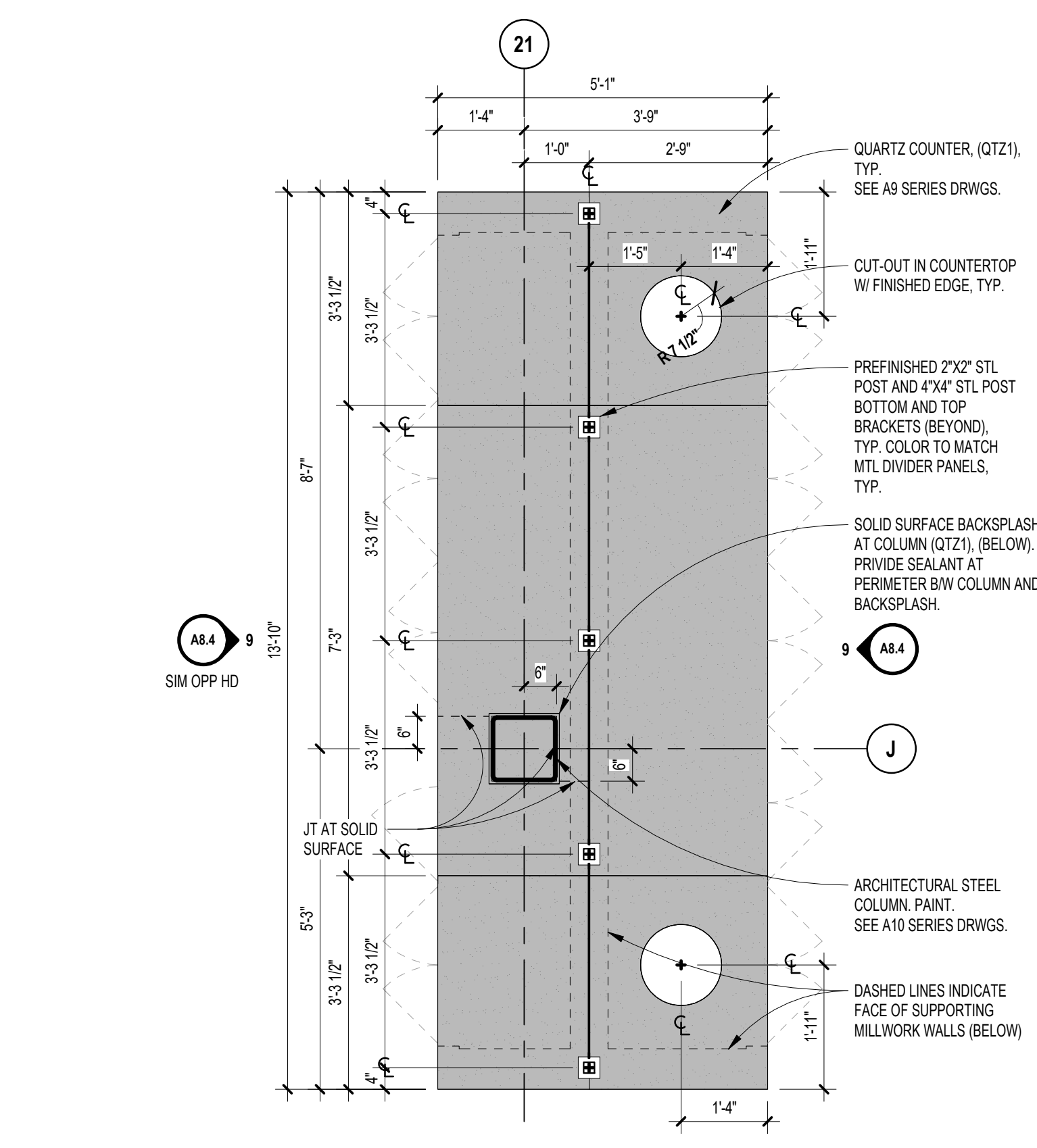
**1 ENLARGED PLAN AT BAR-HEIGHT COUNTER AT SECOND FLOOR**  
SCALE: 1/2\"/>



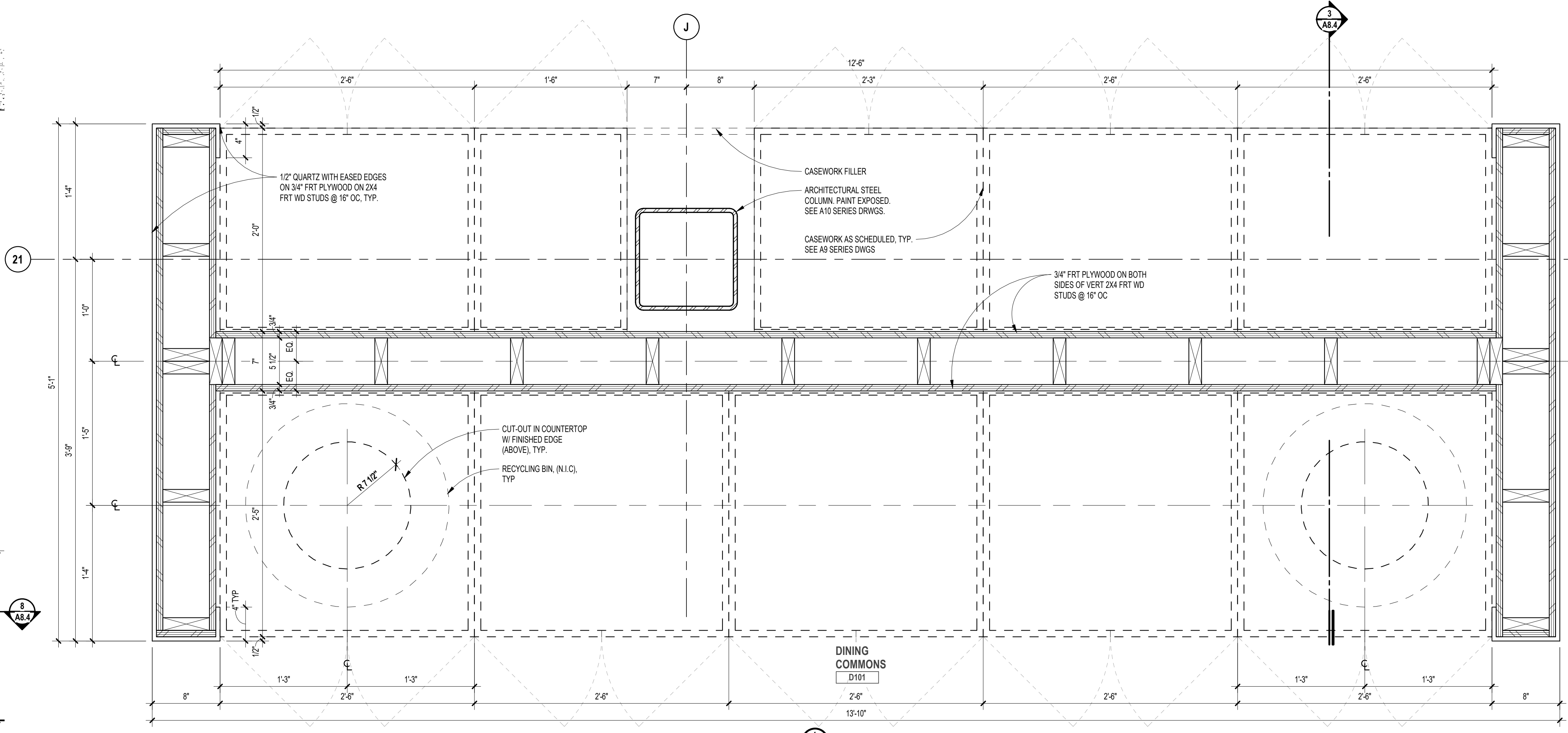
9 INTERIOR ELEVATION - DINING COMMONS TRASH  
SCALE: 3/4" = 1'-0"



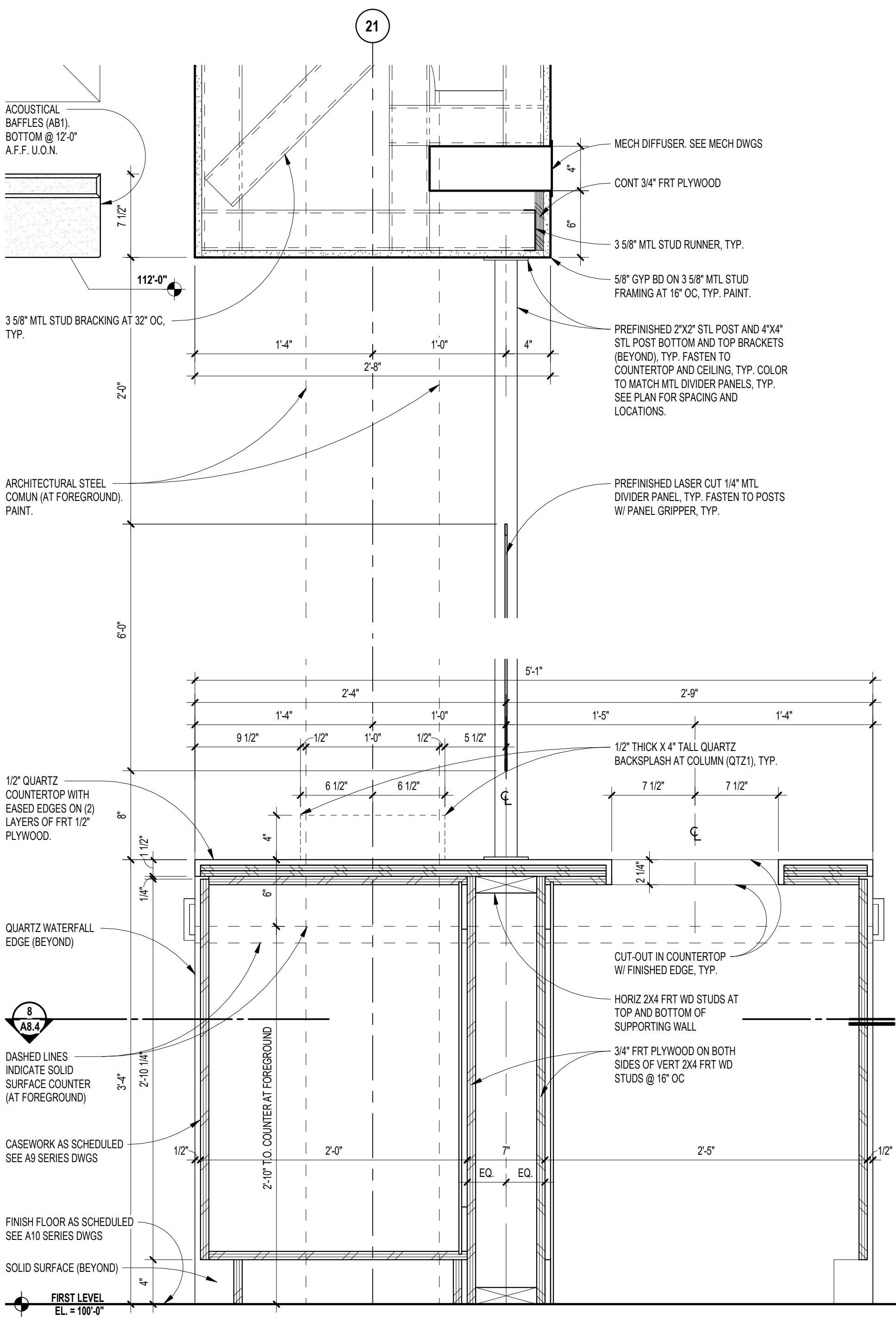
7 ISOMETRIC VIEW - DINING COMMONS TRASH  
SCALE: 1/2" = 1'-0"



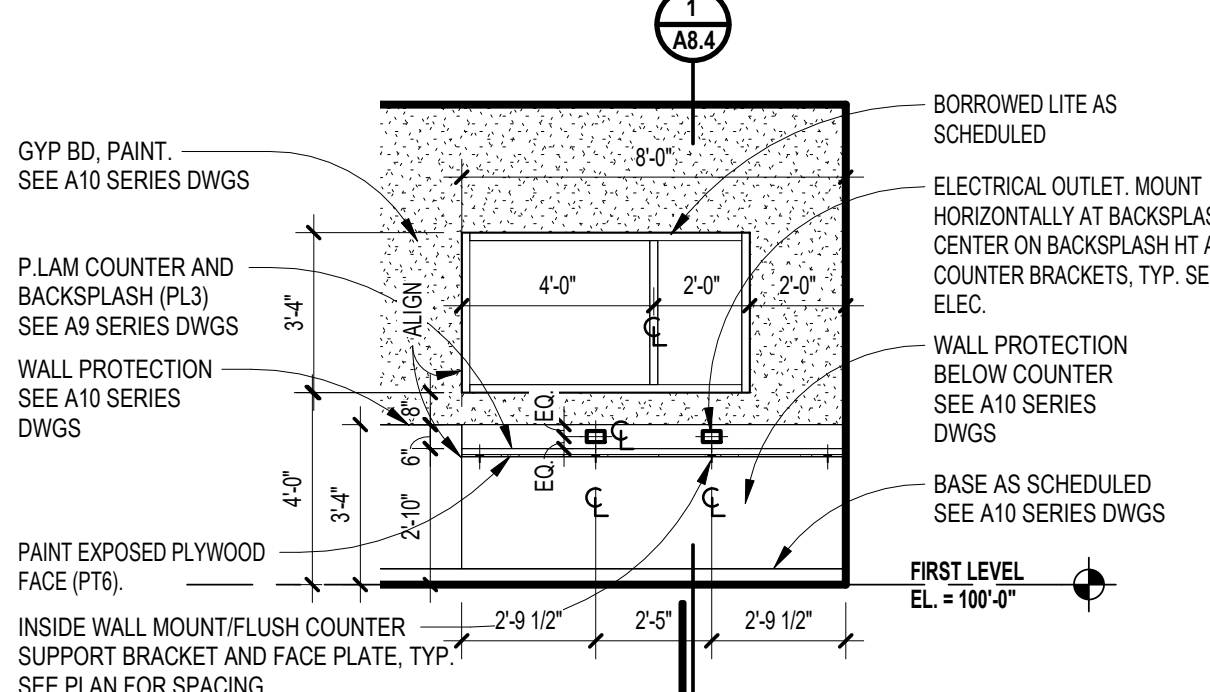
4 ENLARGED PLAN - DINING COMMONS TRASH  
SCALE: 1/2" = 1'-0"



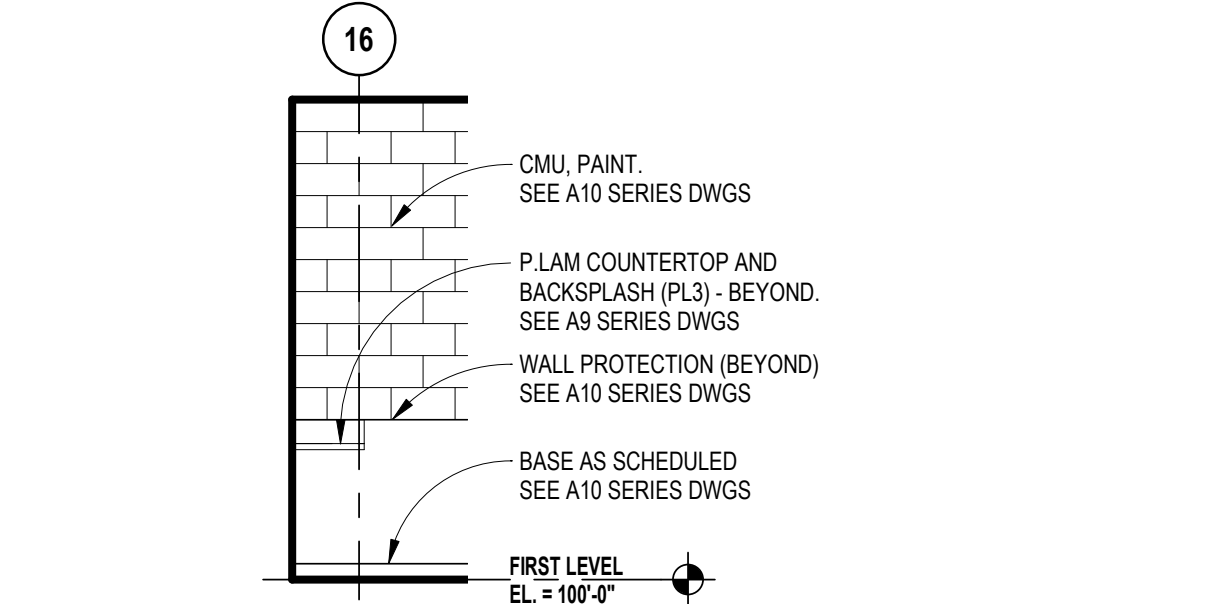
8 ENLARGED PLAN DETAIL - DINING COMMONS TRASH  
SCALE: 1 1/2" = 1'-0"



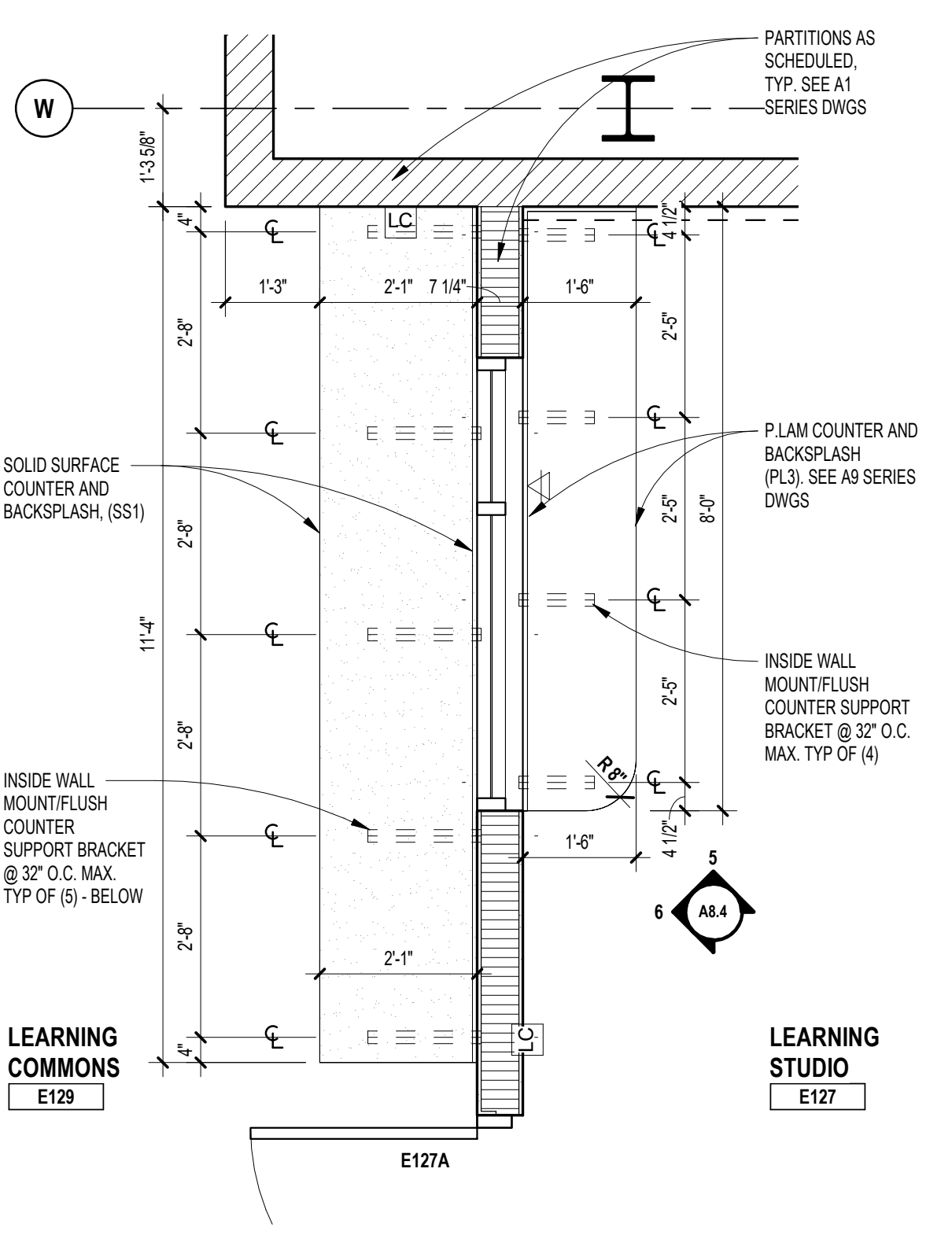
3 SECTION DETAIL - DINING COMMONS TRASH  
SCALE: 1 1/2" = 1'-0"



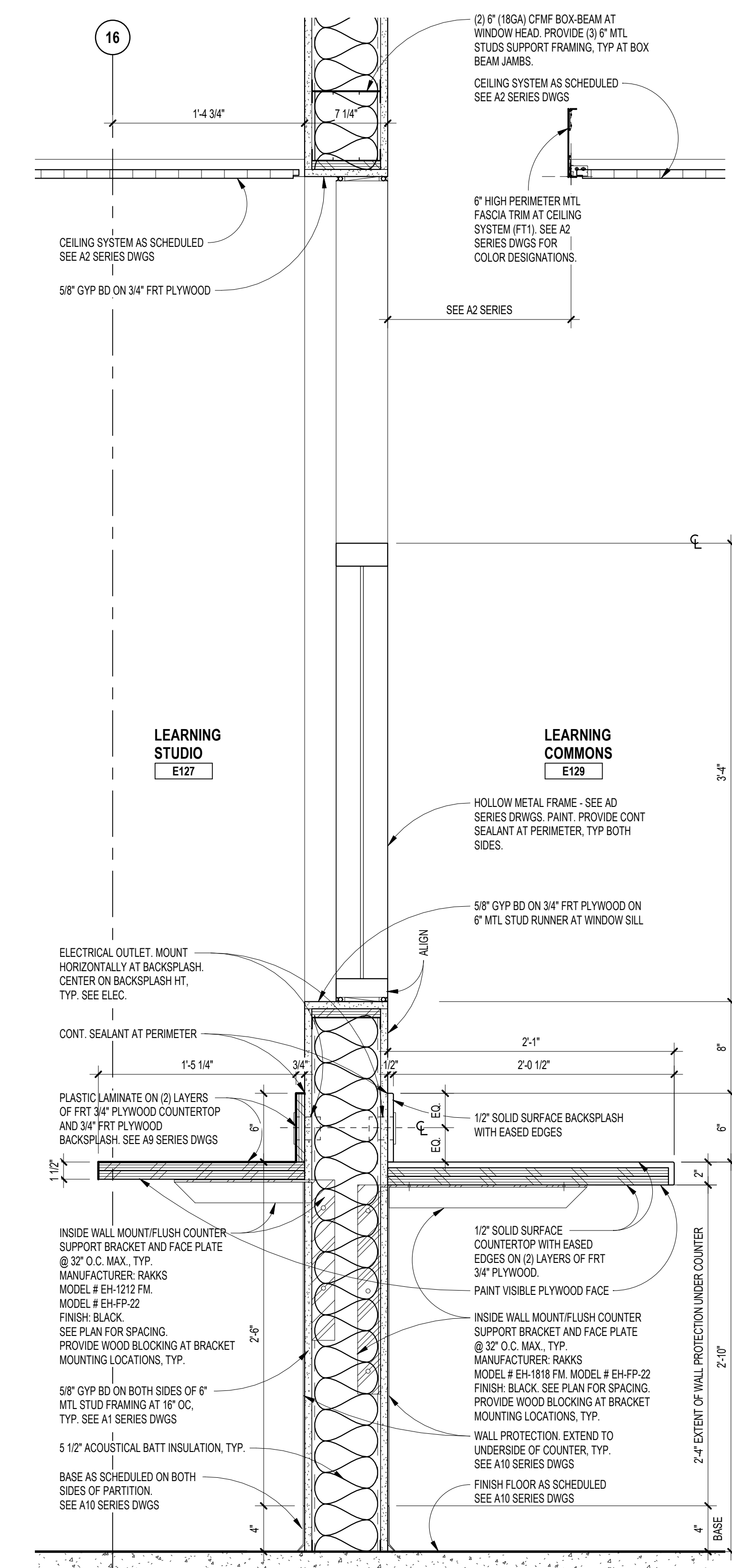
6 INTERIOR ELEVATION - LEARNING STUDIO E127  
SCALE: 1/4" = 1'-0"



5 INTERIOR ELEVATION - LEARN STUDIO E127  
SCALE: 1/4" = 1'-0"

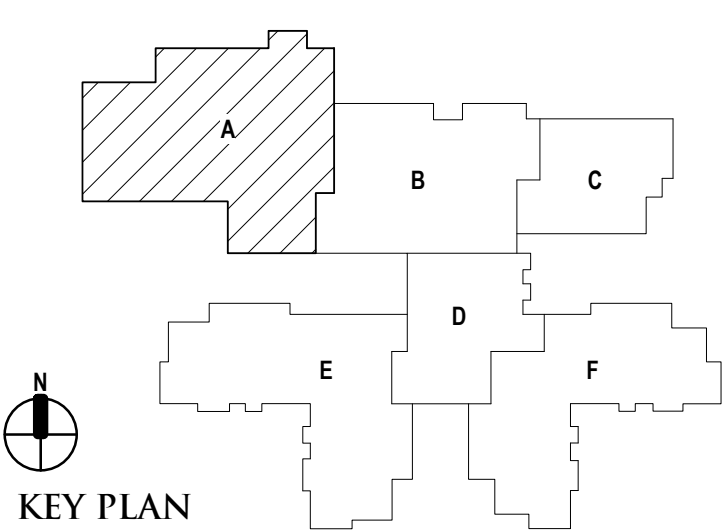


2 MILLWORK PLAN - LEARNING STUDIO E127  
SCALE: 1/2" = 1'-0"



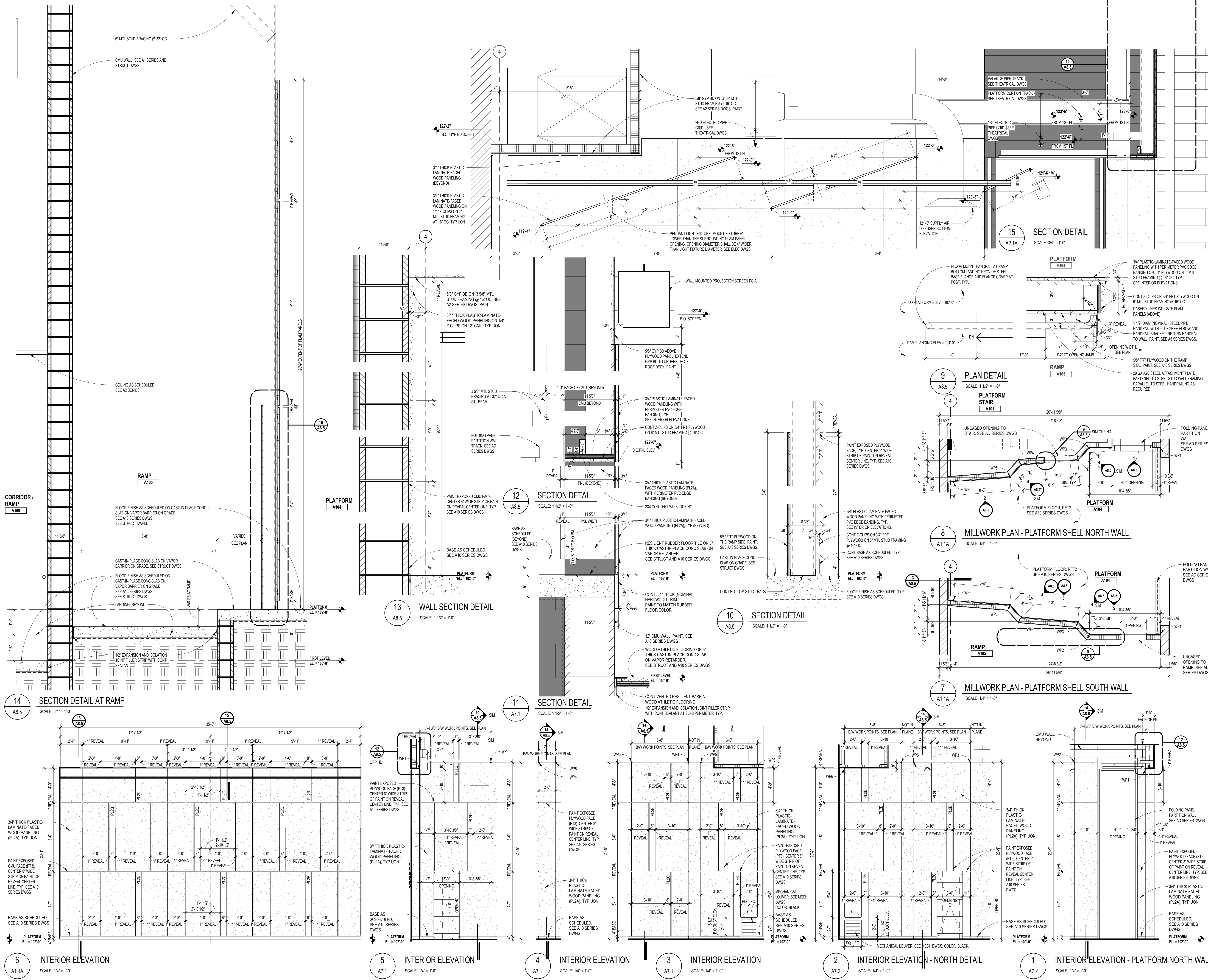
1 SECTION DETAIL  
SCALE: 1 1/2" = 1'-0"

Autodesk Docs/22102\_Troy\_Smith\_MS22102\_ARCH-22.rvt  
6/26/2024 9:20:14 AM



DATE	ISSUED FOR
06-18-2024	CONSTRUCTION DOCUMENTS

DRAWN	gm
CHECKED	jw
APPROVED	dt



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6/26/2024 9:20:22 AM



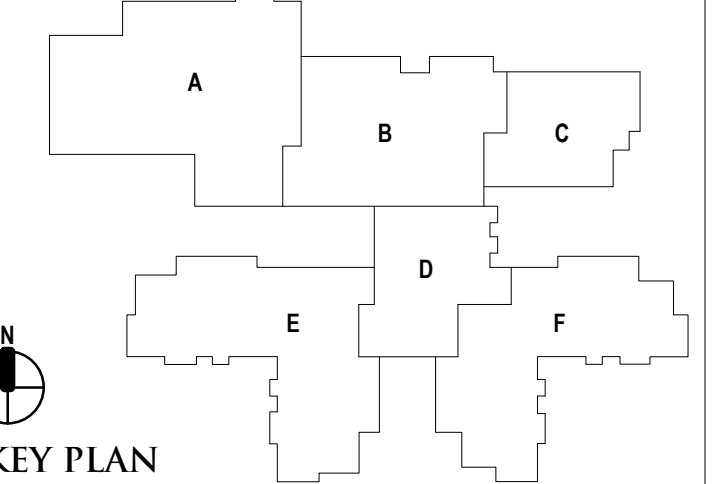
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Masonry Wall Construction  
and Roof Details**

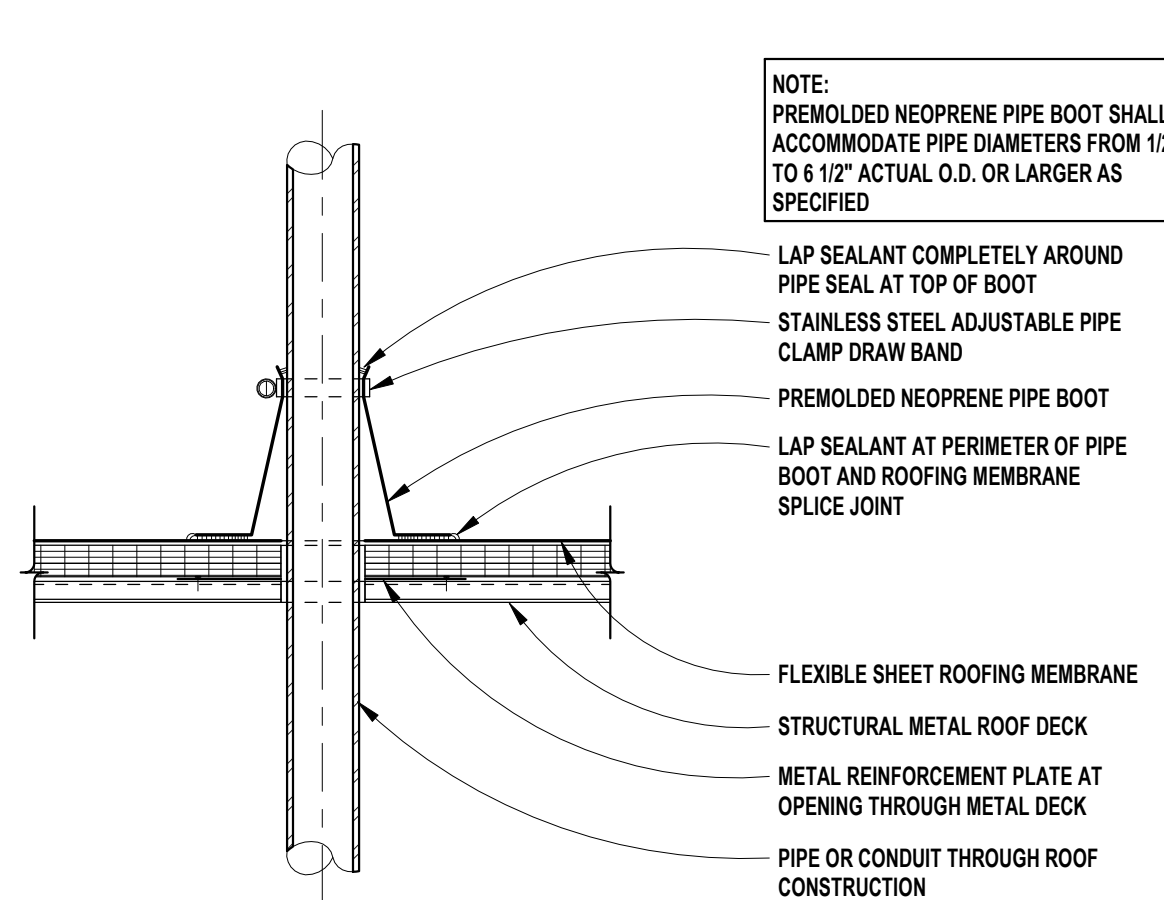


ISSUE DATES

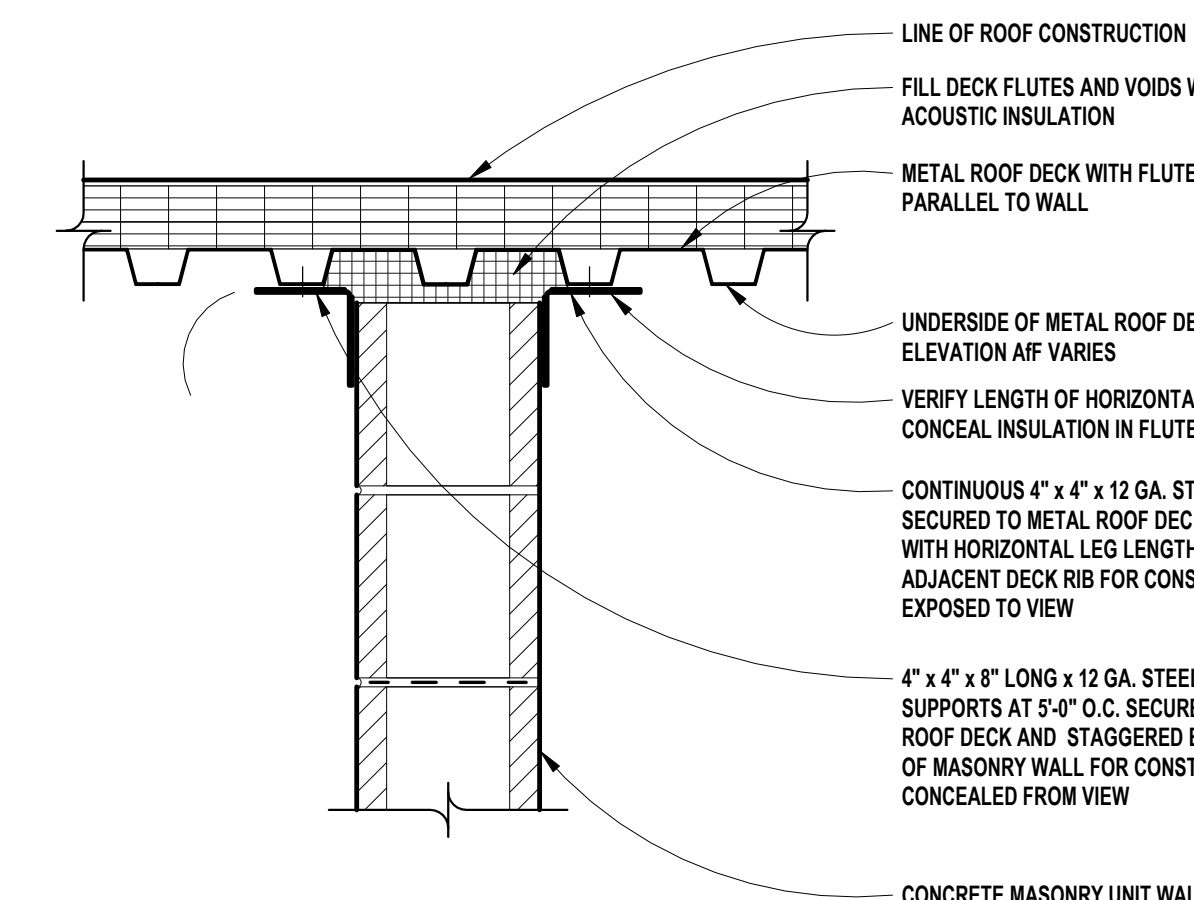
DATE	ISSUED FOR

PROJECT NO.  
**22102**

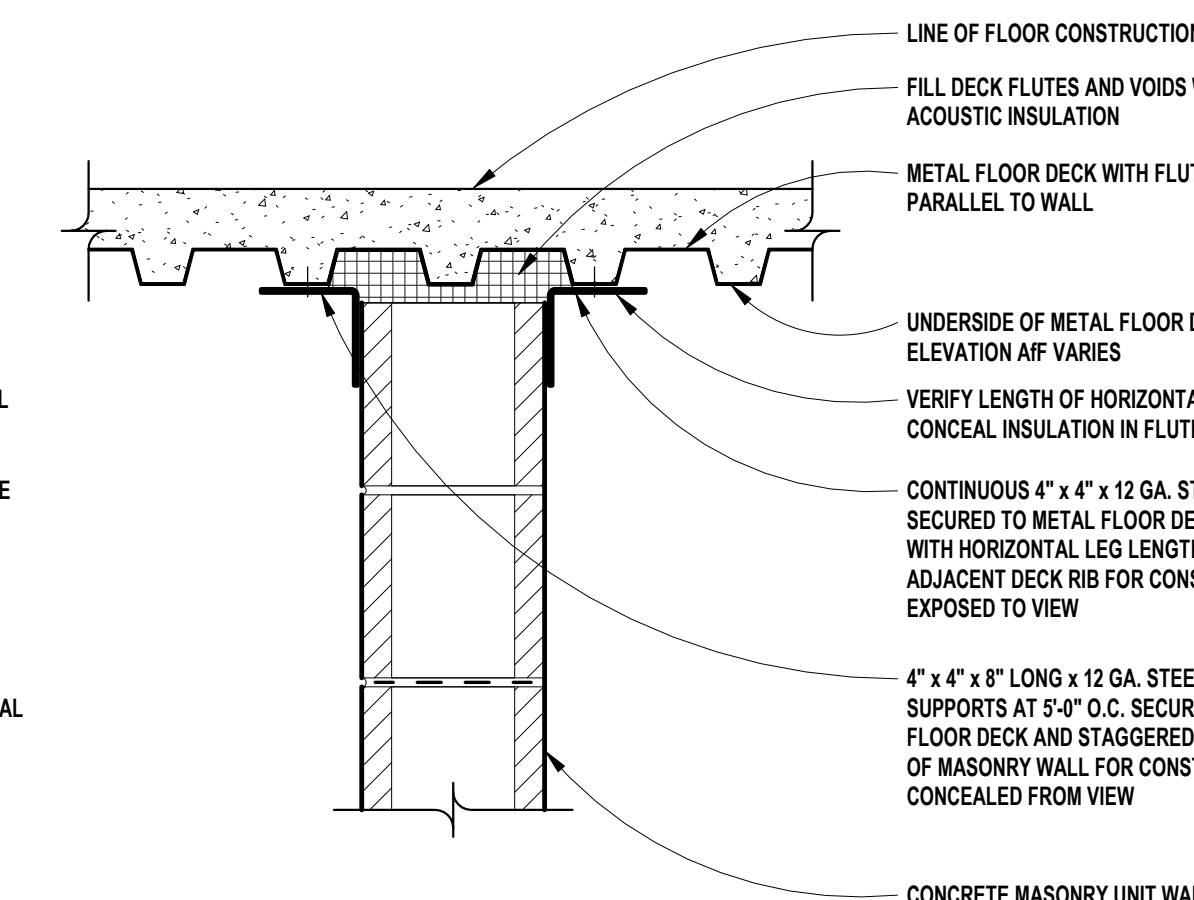
DRAWING NO.  
**A8.10**



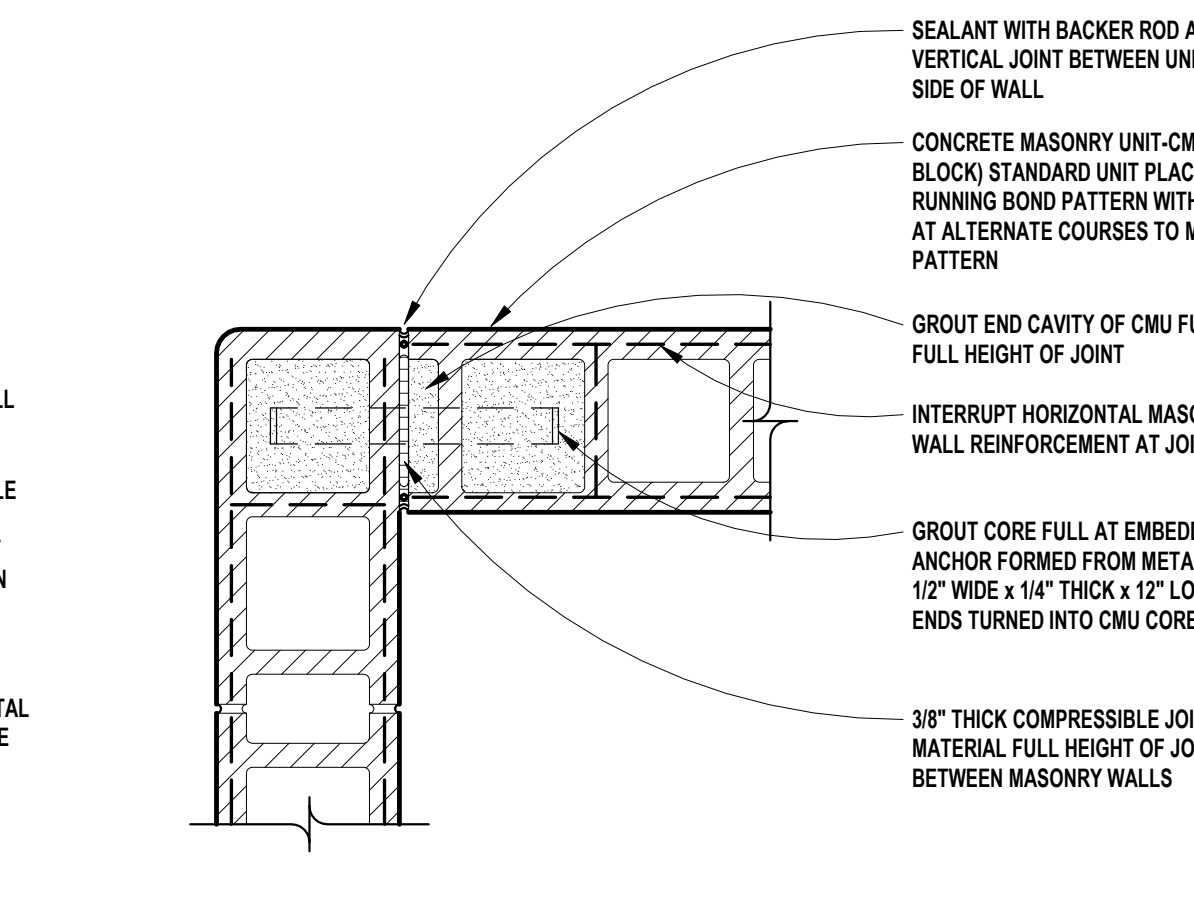
20 PIPE AND CONDUIT FLASHING  
SCALE: 3/4" = 1'-0"



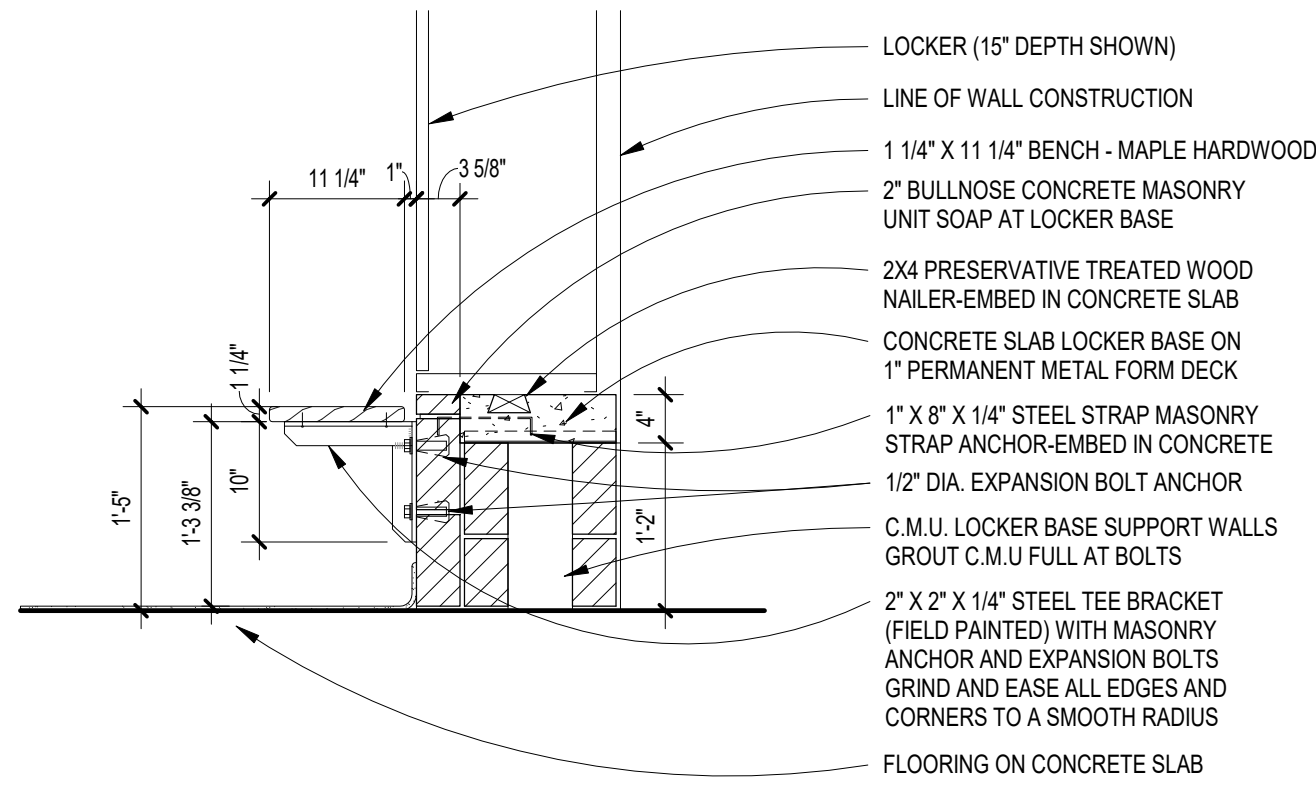
15 MASONRY WALL TERMINATION (NON-RATED WALL)  
SCALE: 1 1/2" = 1'-0"



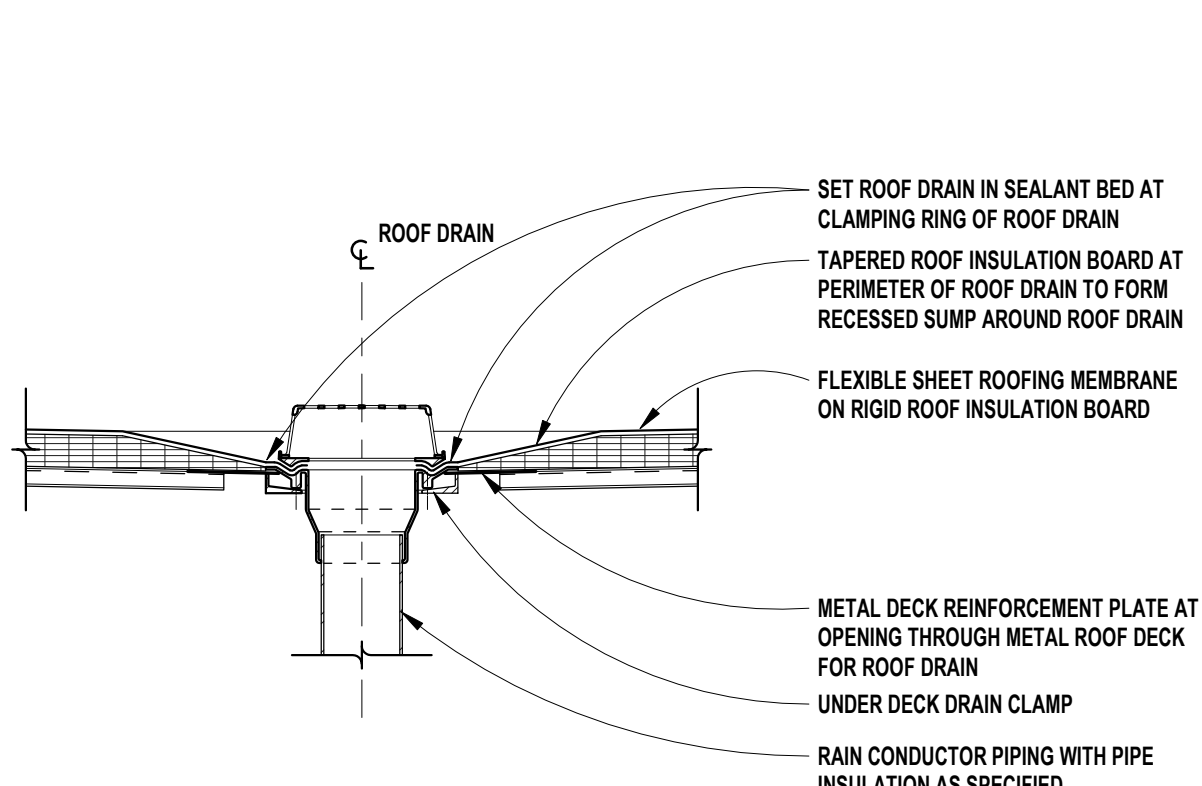
10 MASONRY WALL TERMINATION (NON-RATED WALL)  
SCALE: 1 1/2" = 1'-0"



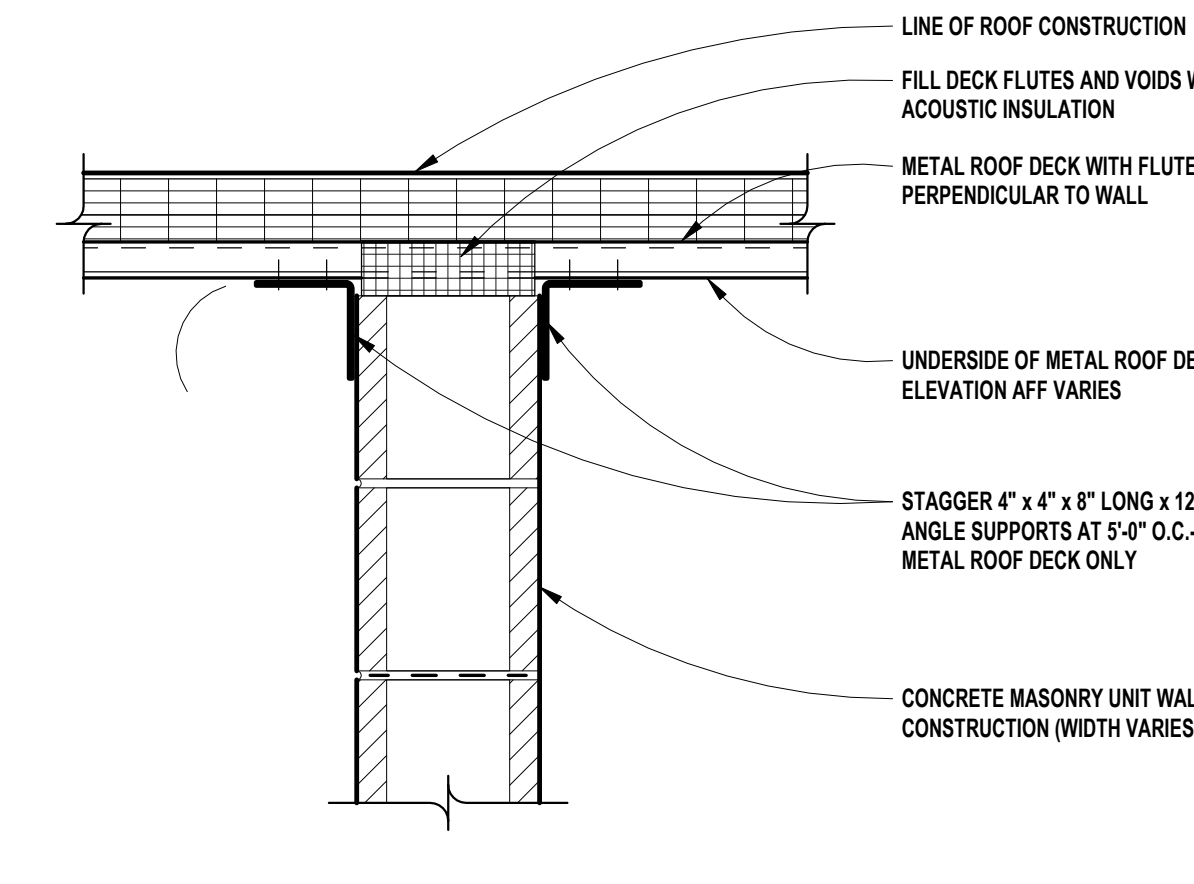
5 MASONRY CONTROL JOINT  
SCALE: 1 1/2" = 1'-0"



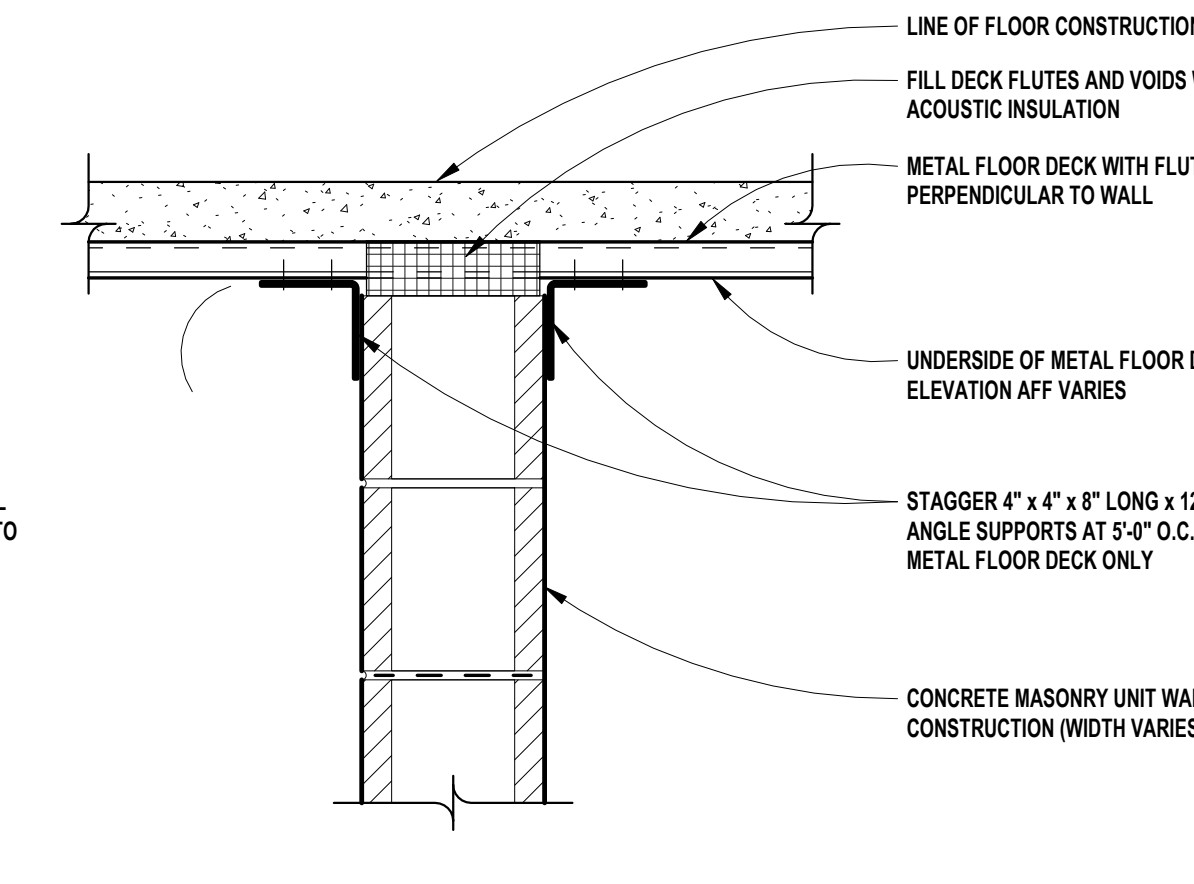
24 LOCKER CMU BASE w/ BENCH  
SCALE: 3/4" = 1'-0"



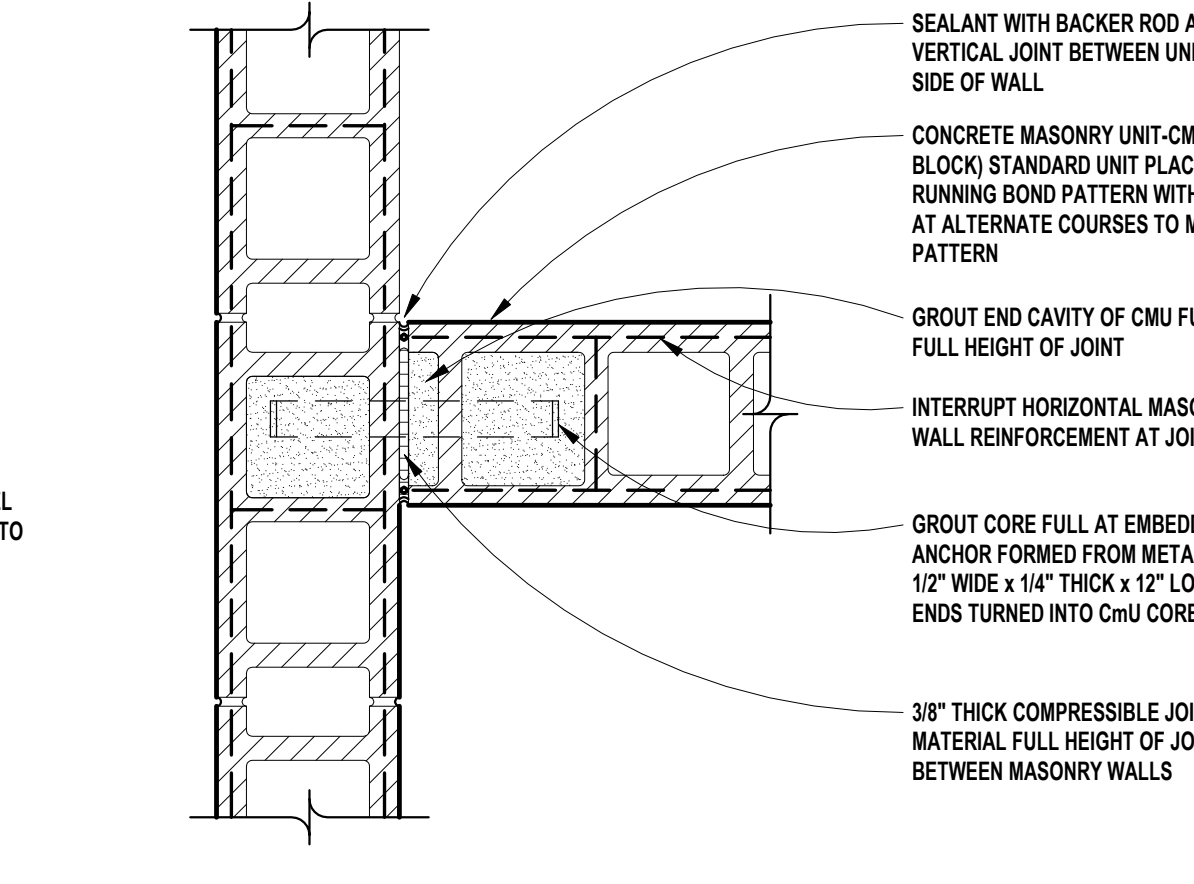
19 ROOF DRAIN  
SCALE: 3/4" = 1'-0"



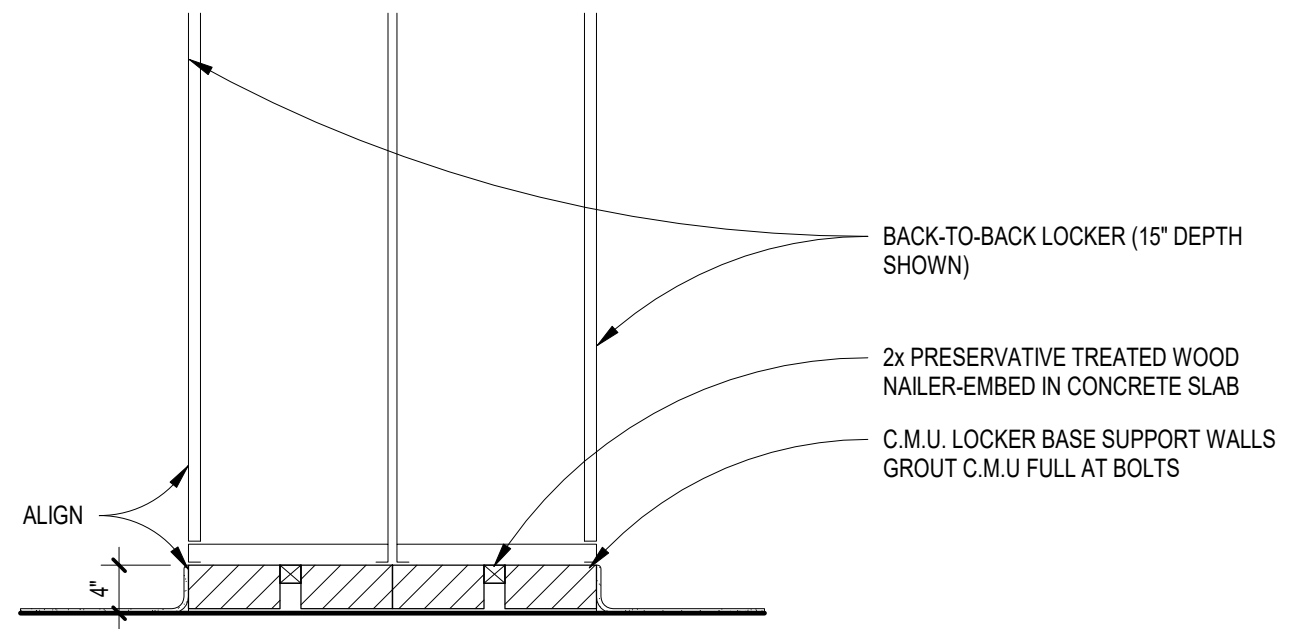
14 MASONRY WALL TERMINATION (NON-RATED WALL)  
SCALE: 1 1/2" = 1'-0"



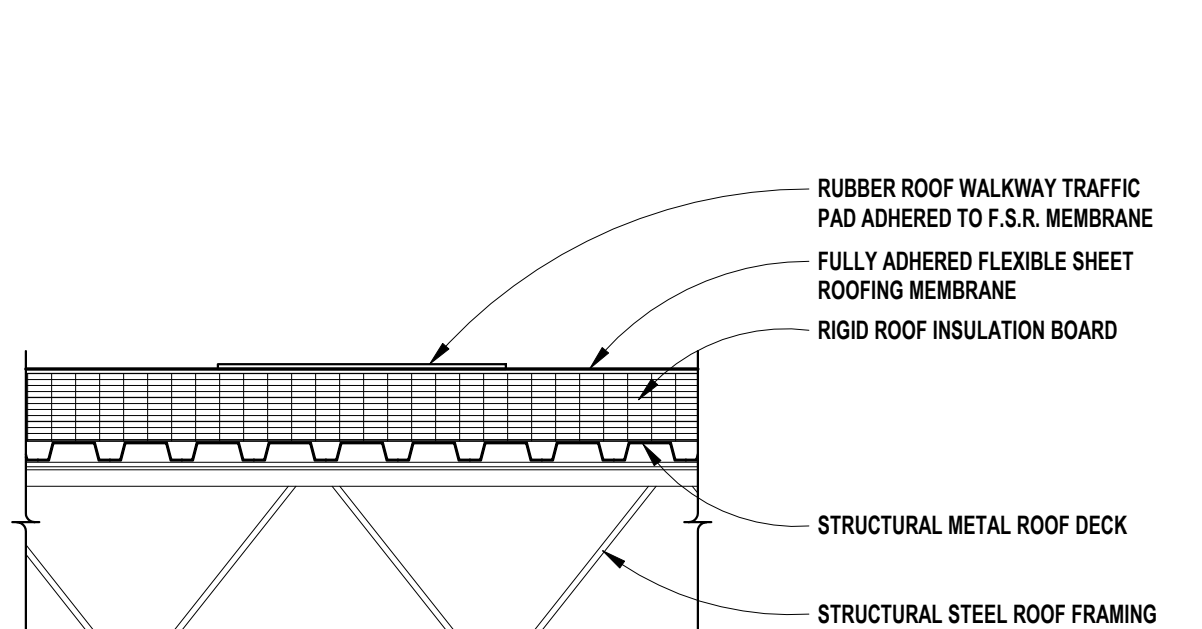
9 MASONRY WALL TERMINATION (NON-RATED WALL)  
SCALE: 1 1/2" = 1'-0"



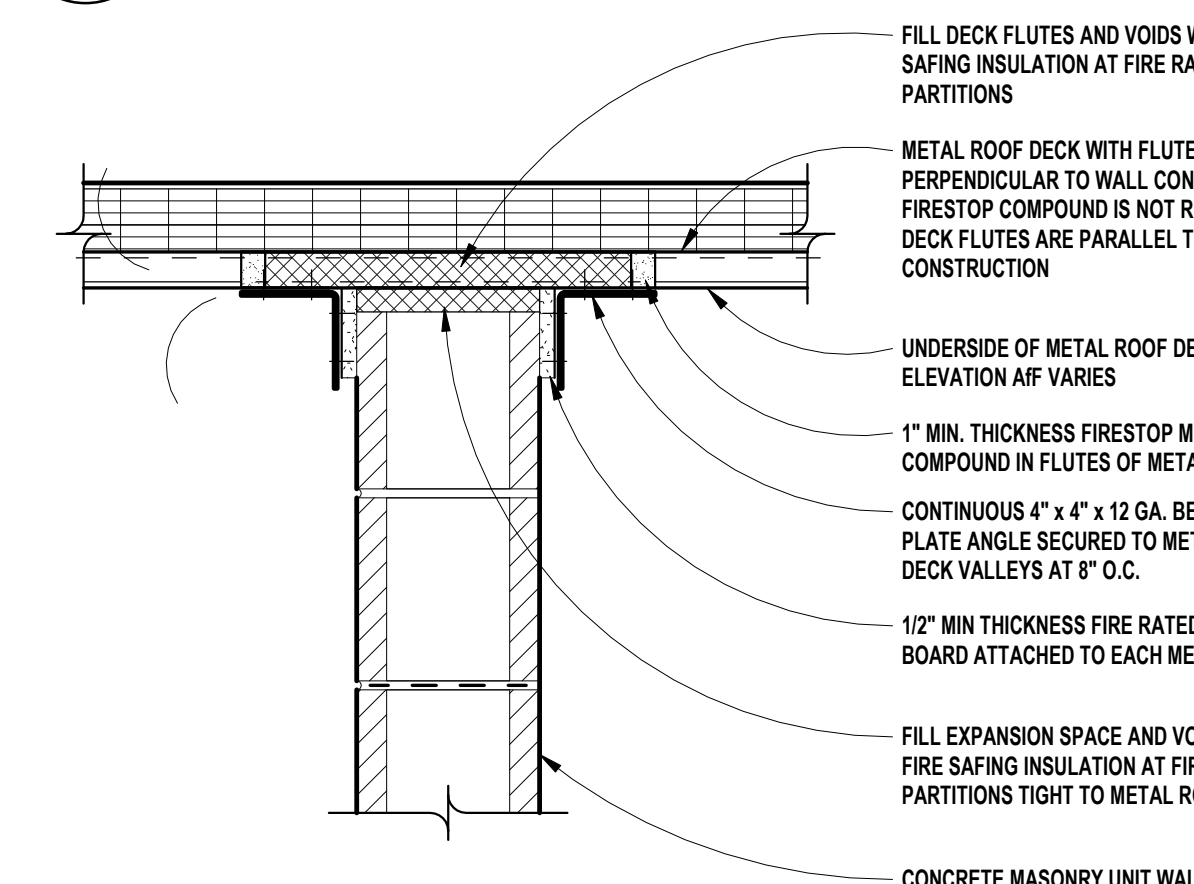
4 MASONRY CONTROL JOINT  
SCALE: 1 1/2" = 1'-0"



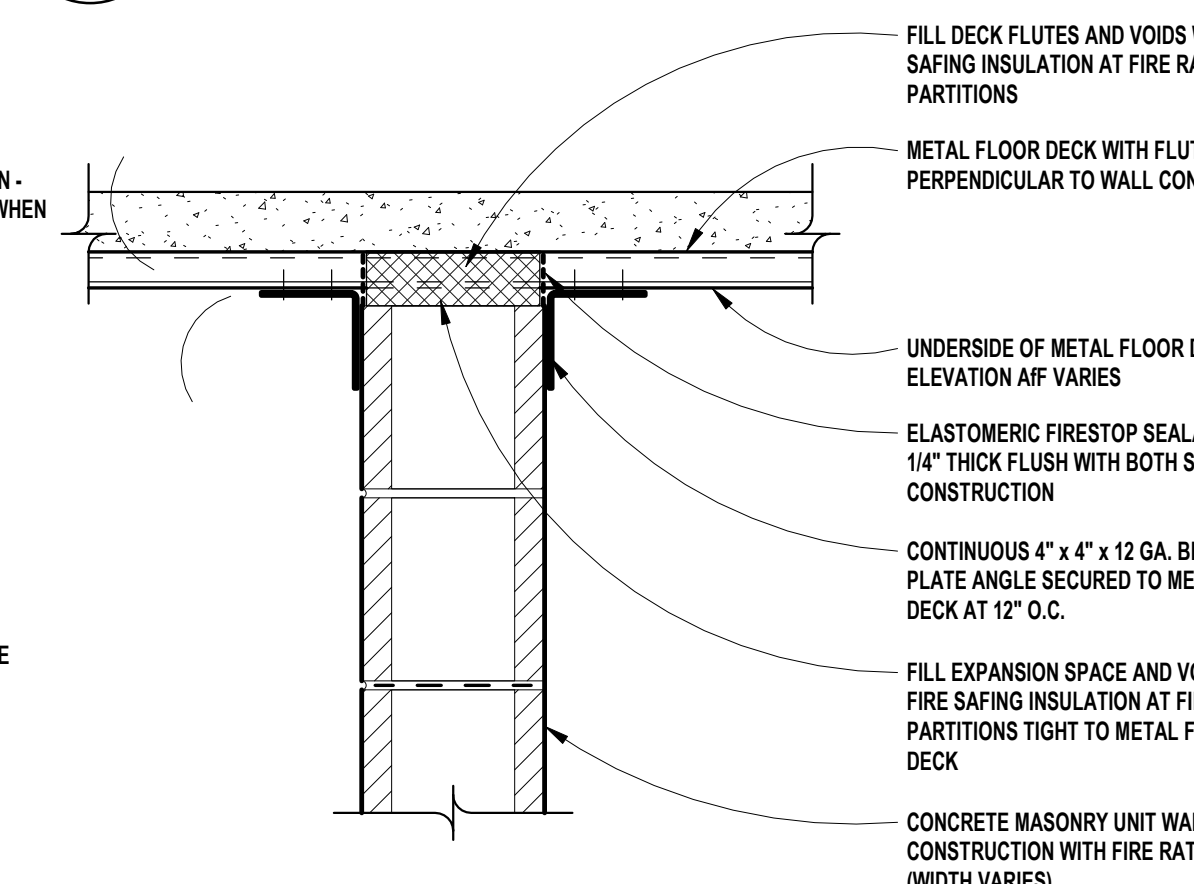
23 LOCKER CMU BASE NO BENCH  
SCALE: 3/4" = 1'-0"



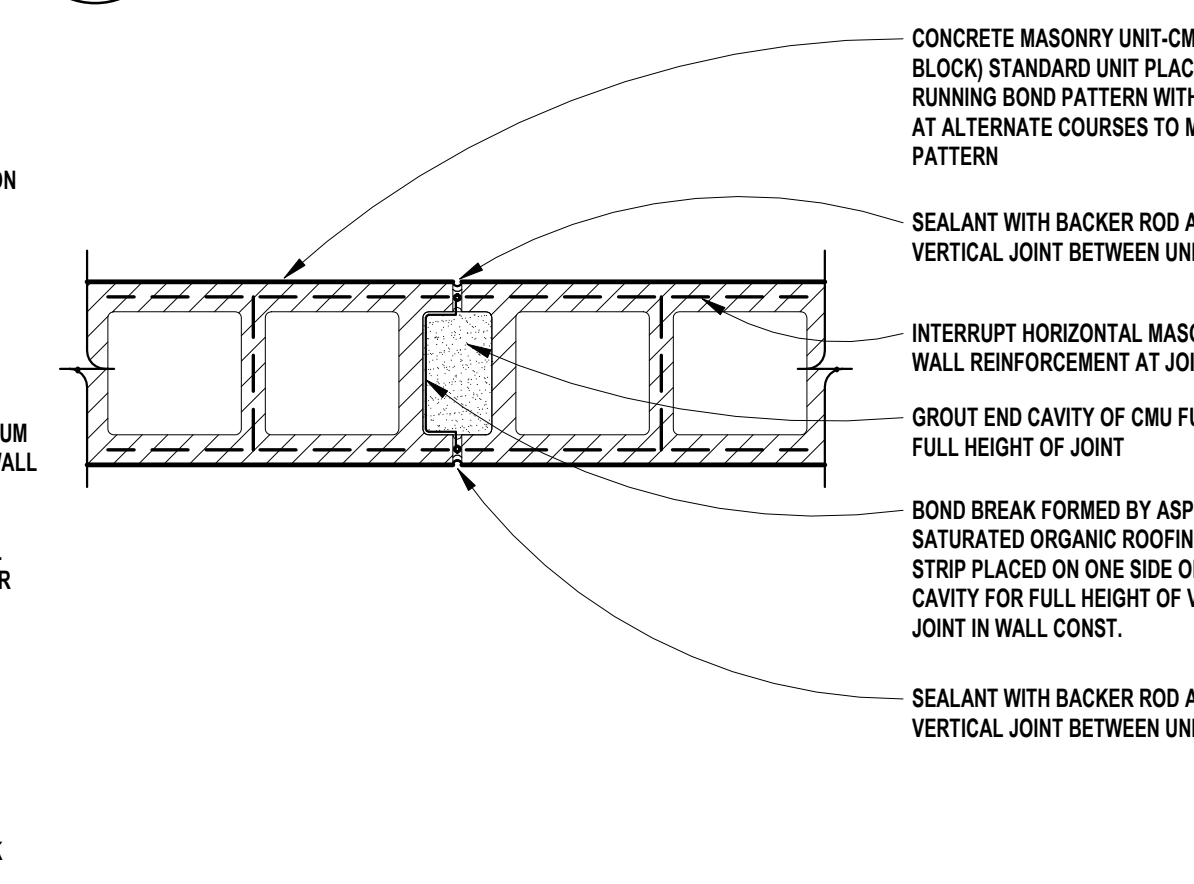
18 ROOF WALKWAY TRAFFIC PAD  
SCALE: 3/4" = 1'-0"



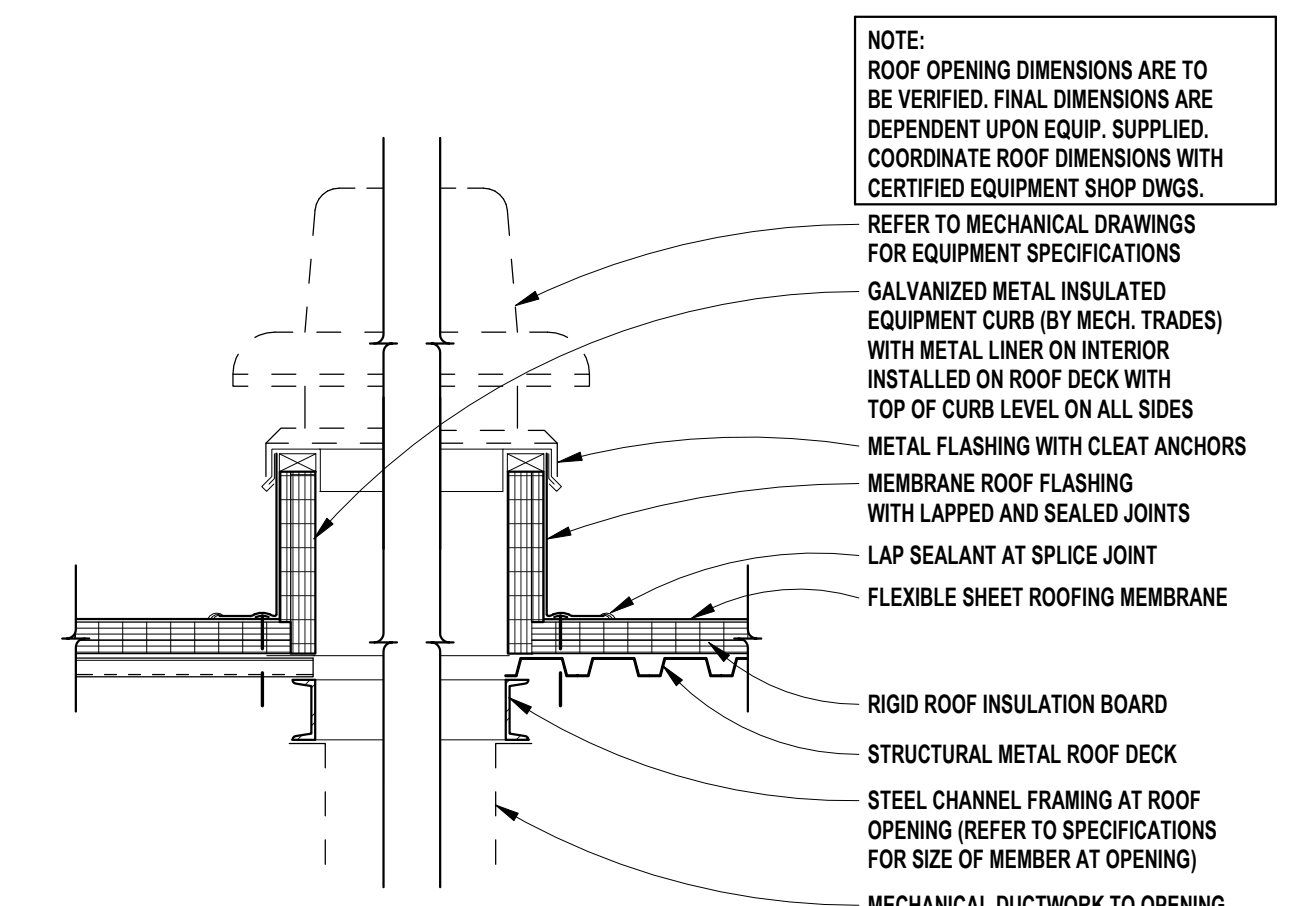
13 2 HOUR FIRE RATED CLOSURE  
SCALE: 1 1/2" = 1'-0"



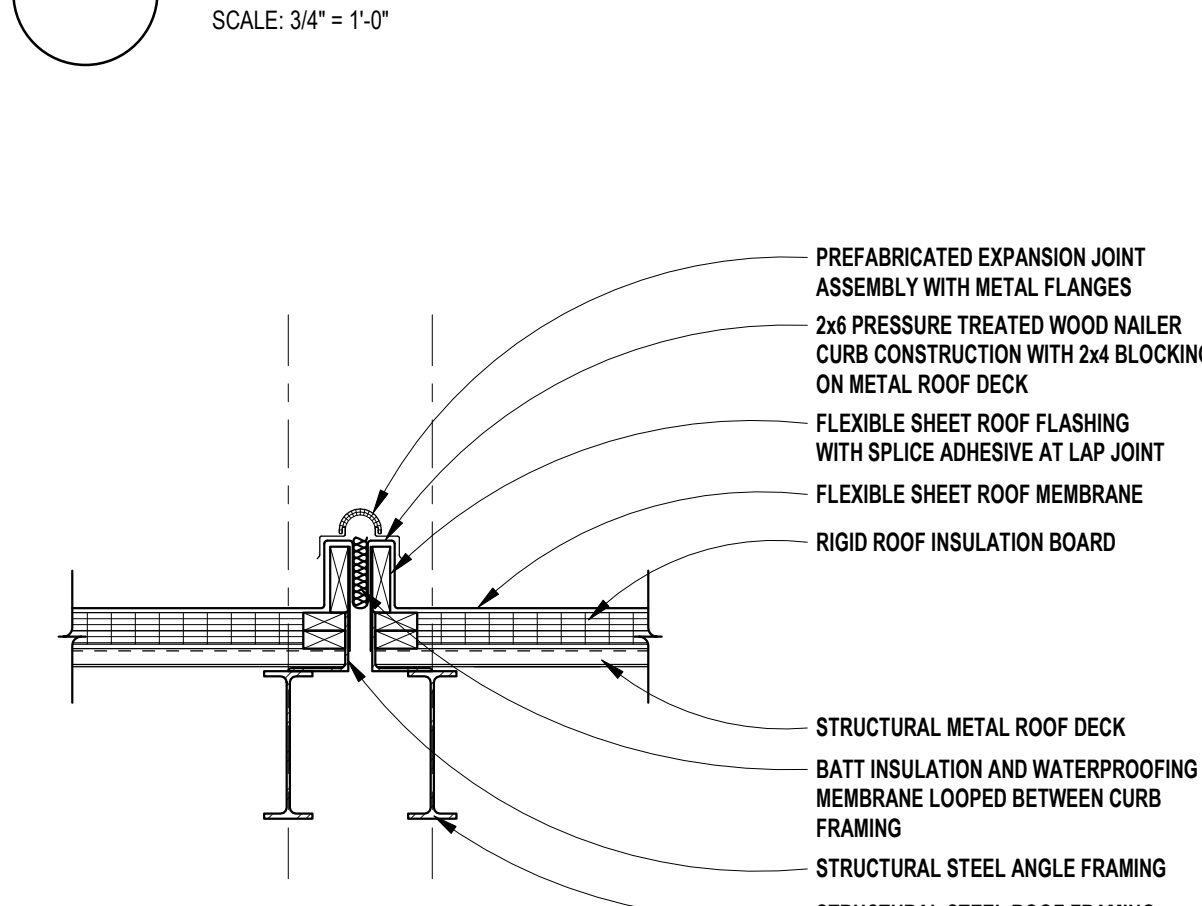
8 2 HOUR FIRE RATED CLOSURE  
SCALE: 1 1/2" = 1'-0"



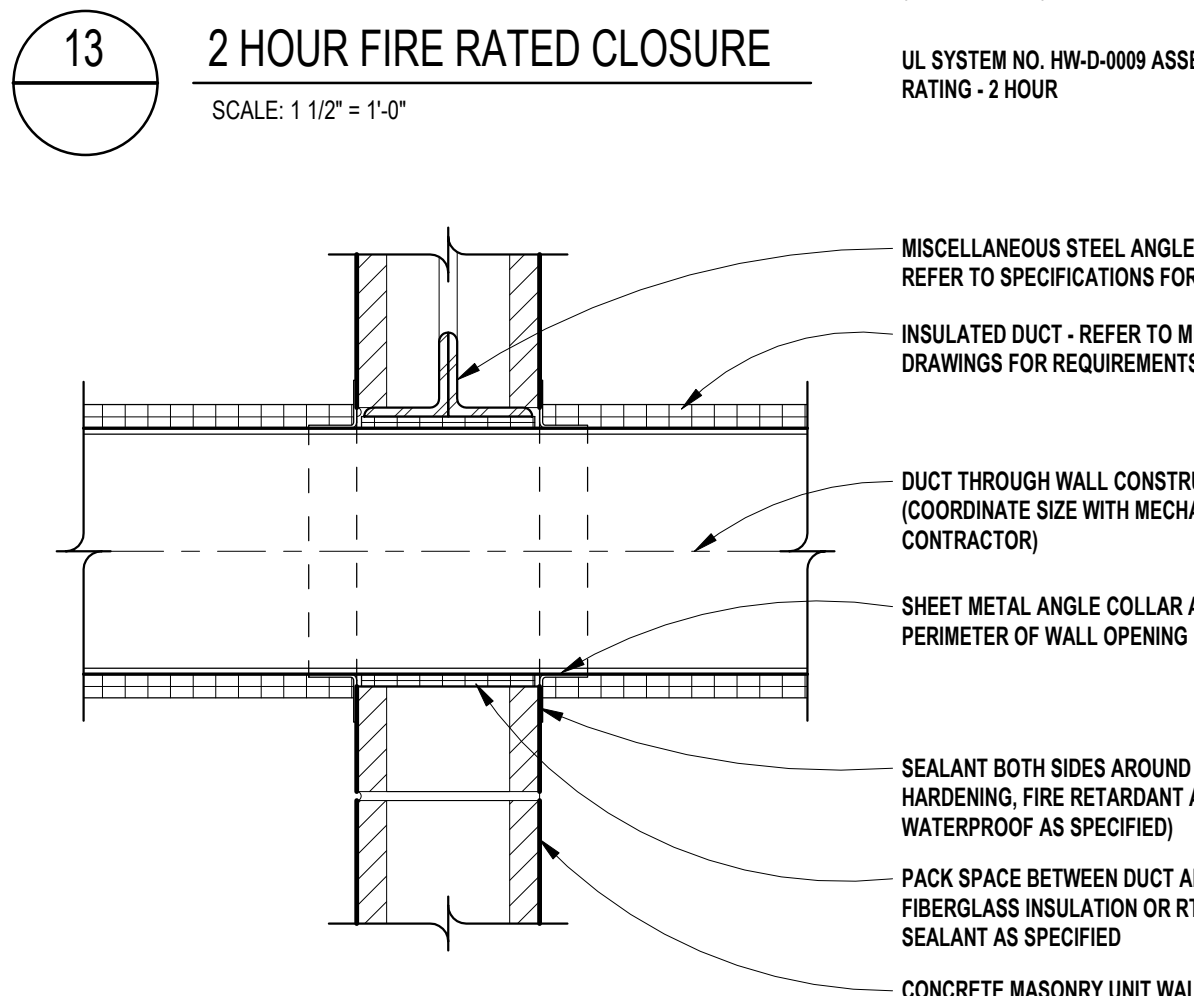
3 MASONRY CONTROL JOINT  
SCALE: 1 1/2" = 1'-0"



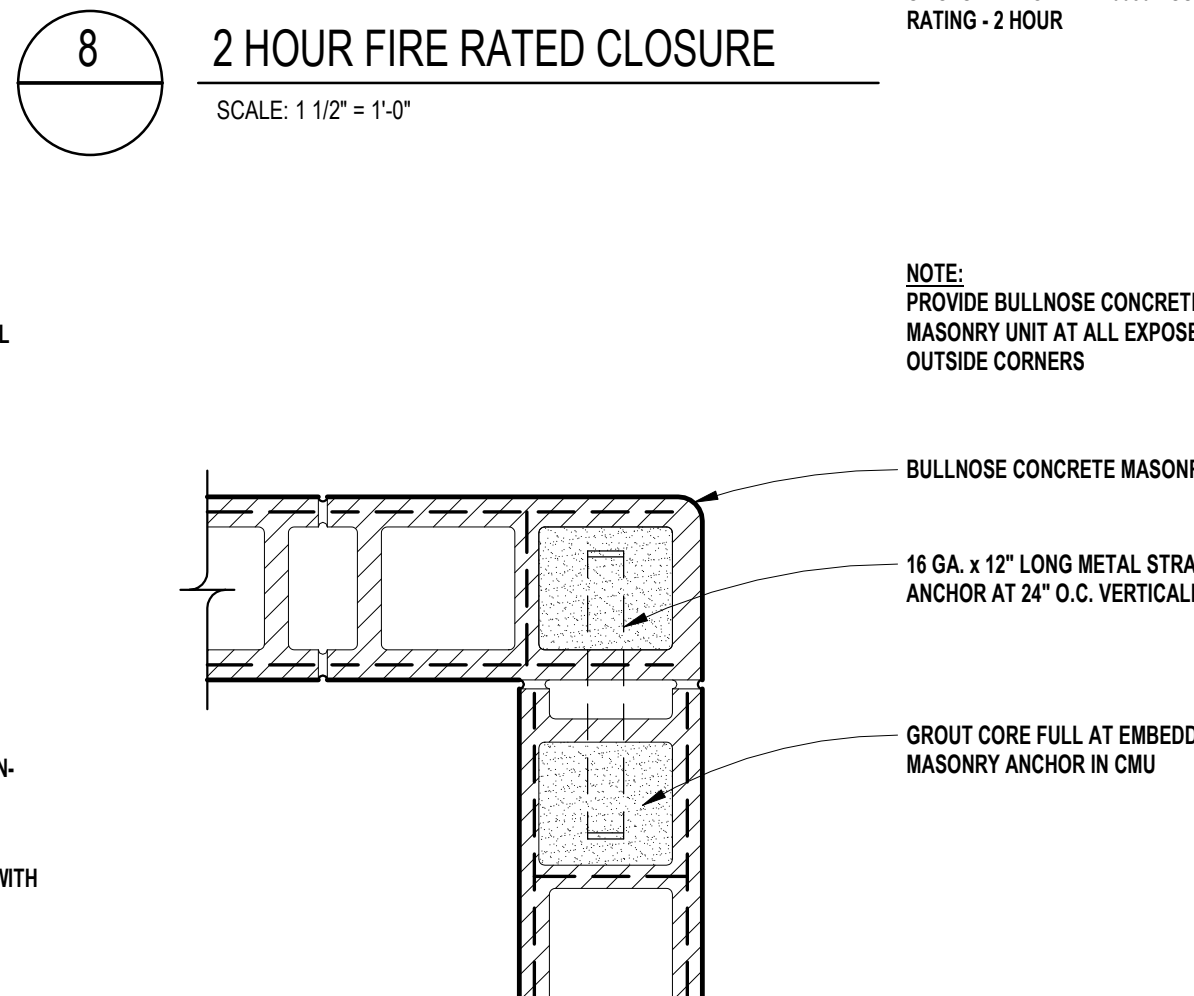
22 ROOF EXHAUST FAN  
SCALE: 3/4" = 1'-0"



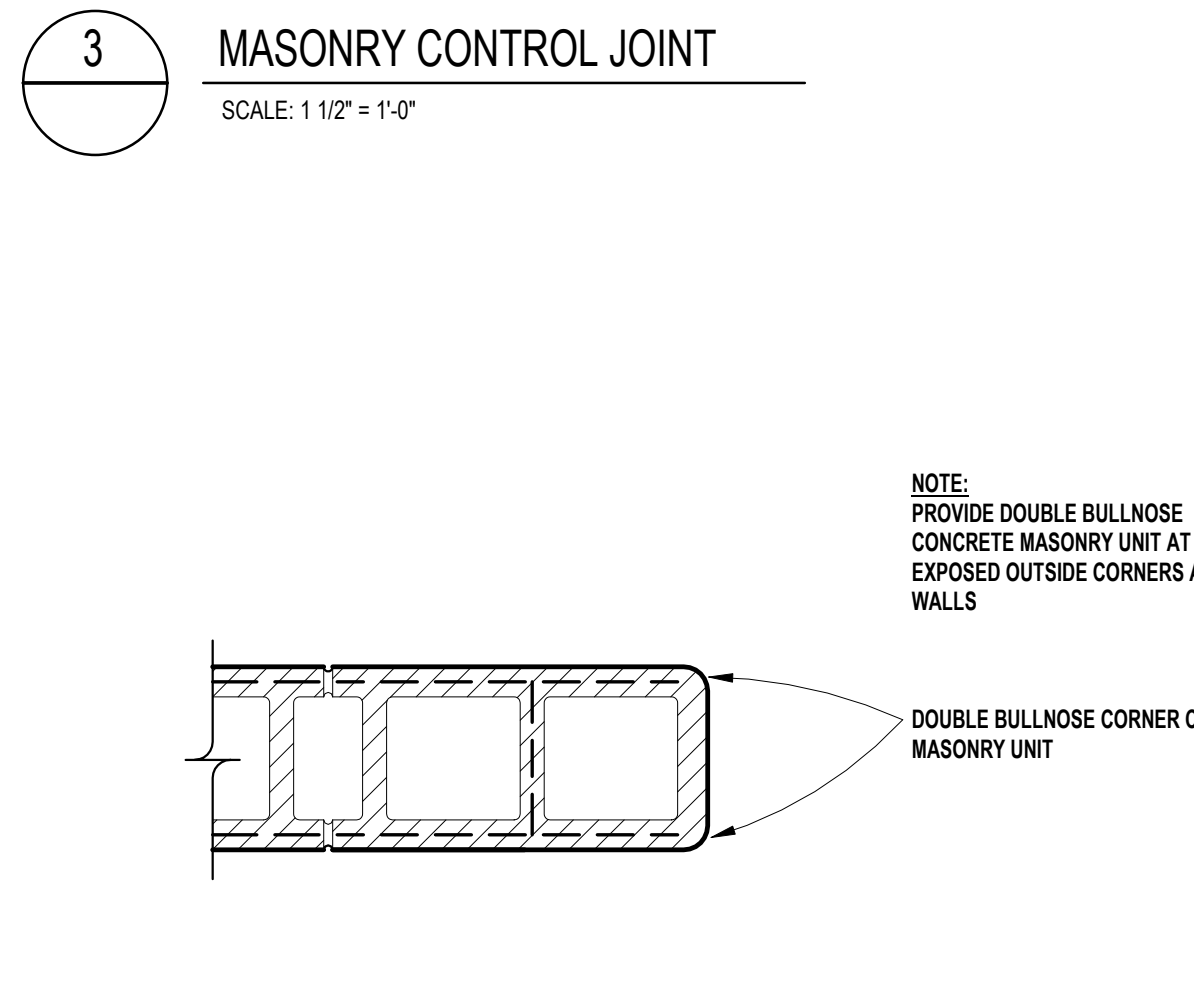
17 ROOF EXPANSION JOINT CURB  
SCALE: 3/4" = 1'-0"



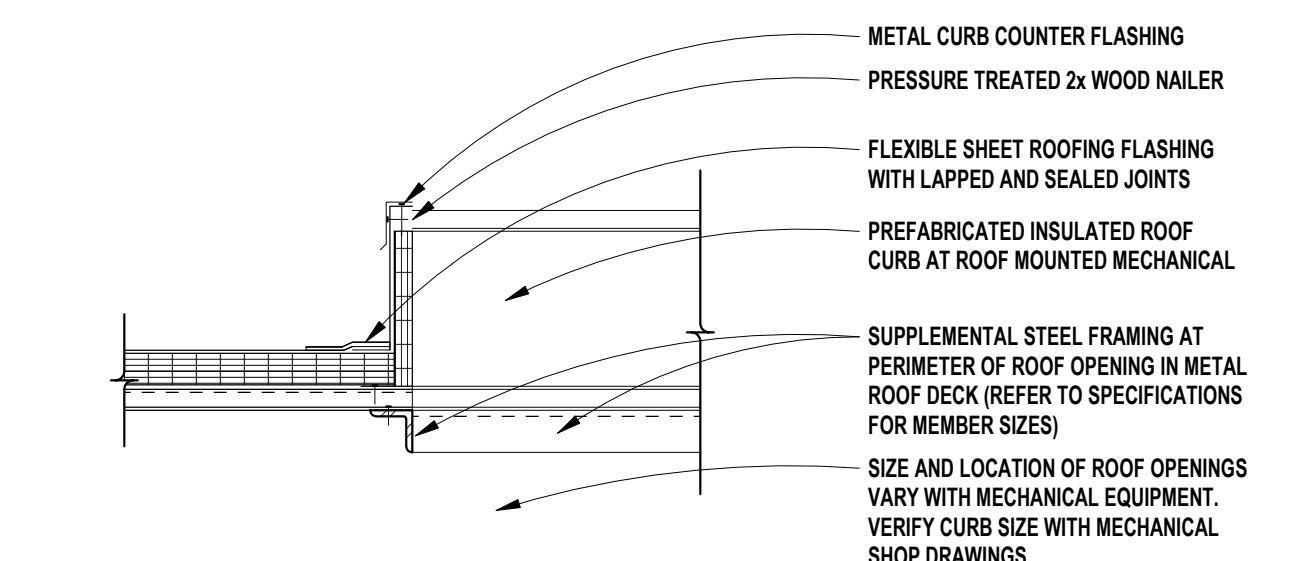
12 MASONRY DUCT PENETRATION - NONFIRE RATED  
SCALE: 1 1/2" = 1'-0"



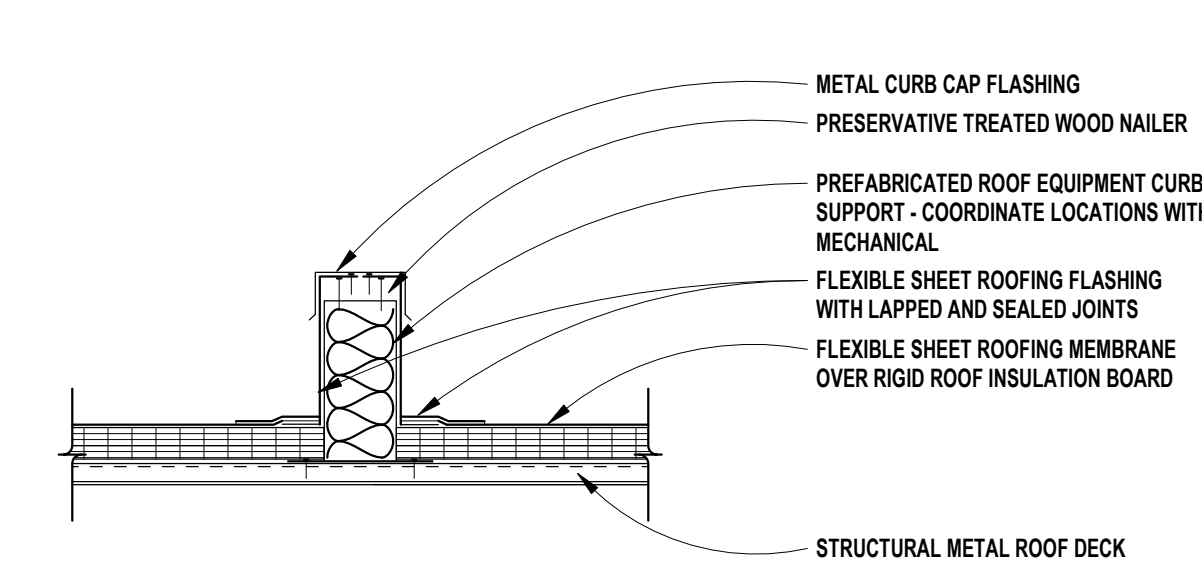
7 C.M.U. BULLNOSE CORNER  
SCALE: 1 1/2" = 1'-0"



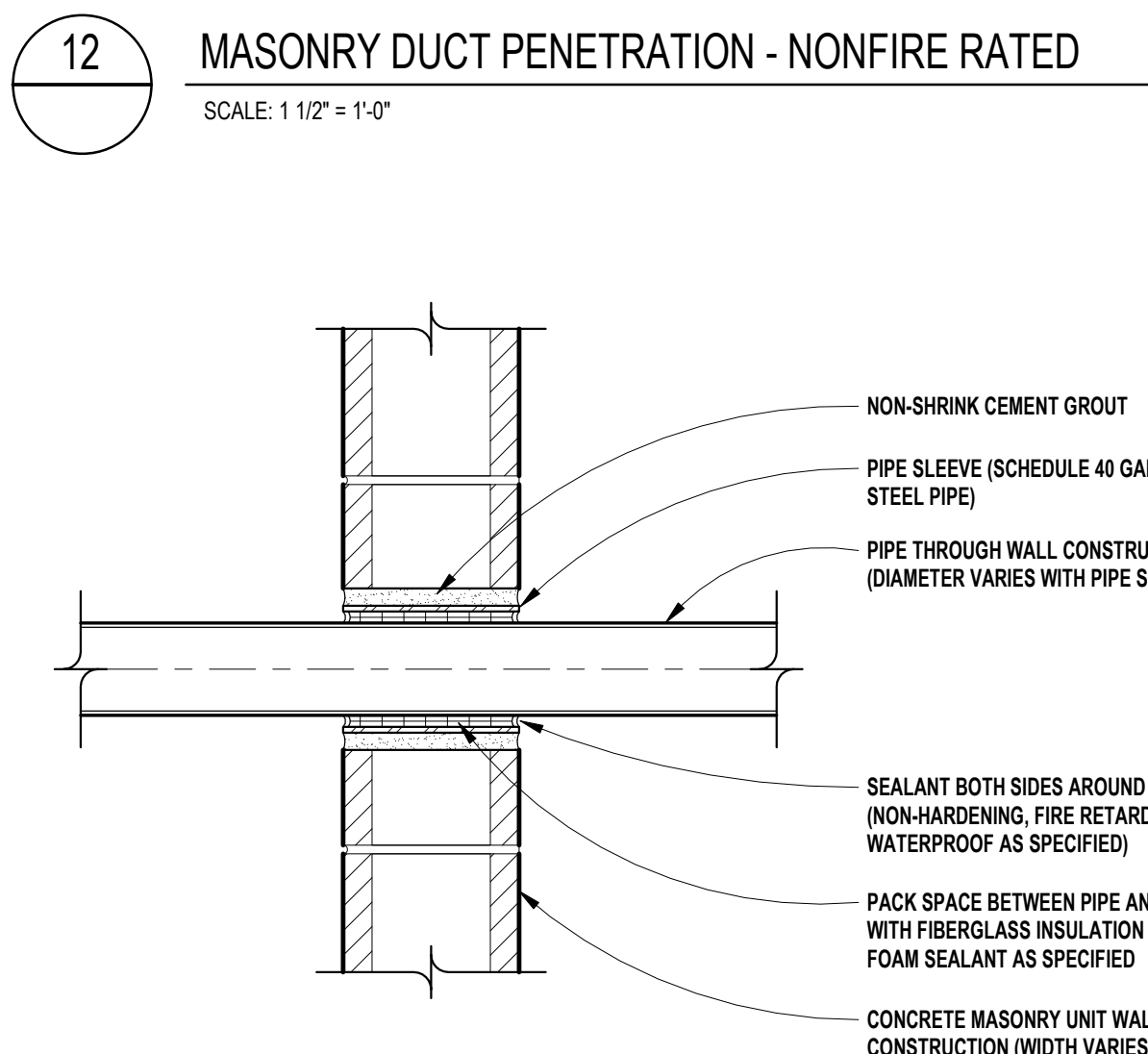
2 C.M.U. BULLNOSE CORNER  
SCALE: 1 1/2" = 1'-0"



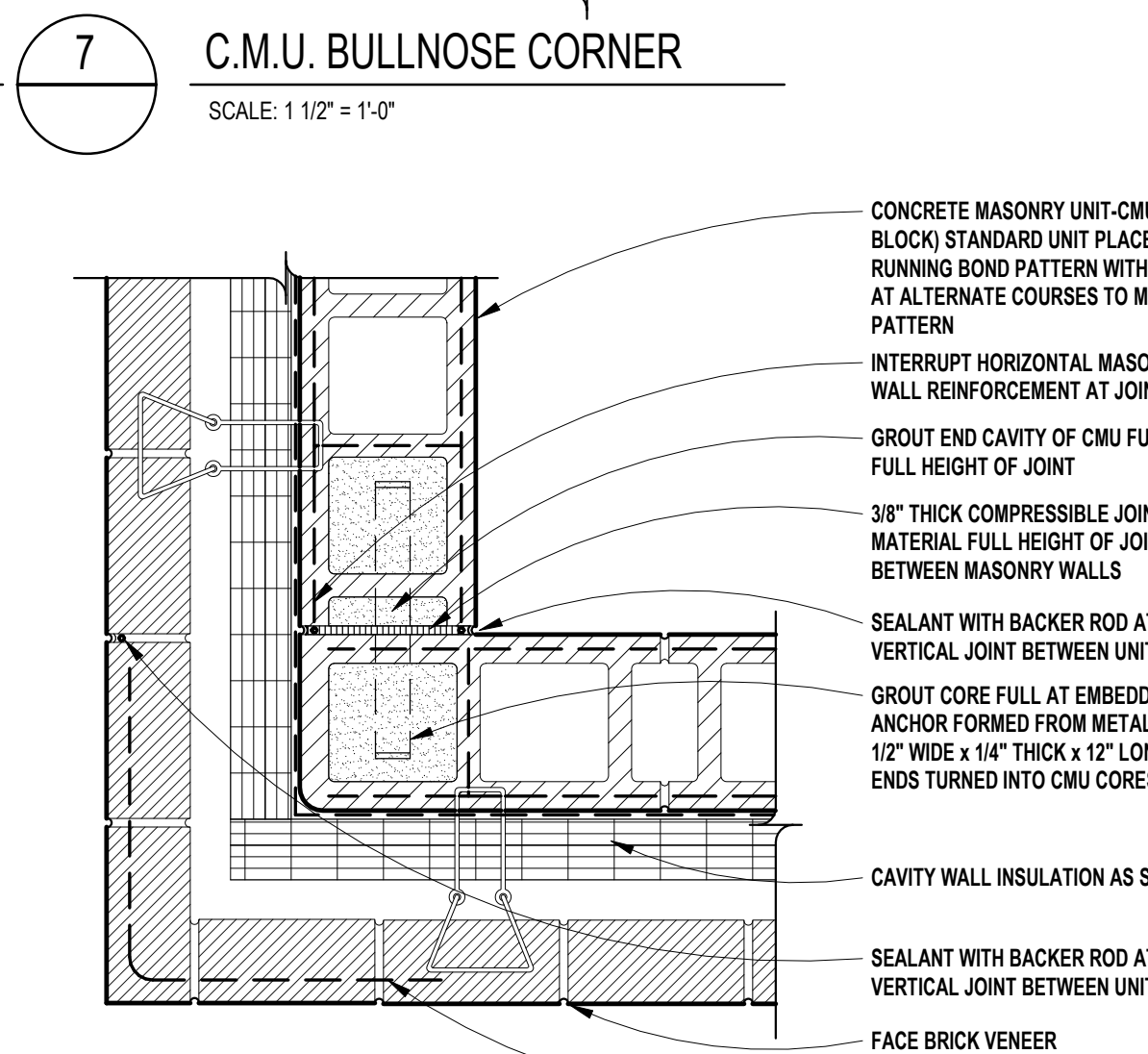
21 ROOF EQUIPMENT CURB AT OPENING  
SCALE: 3/4" = 1'-0"



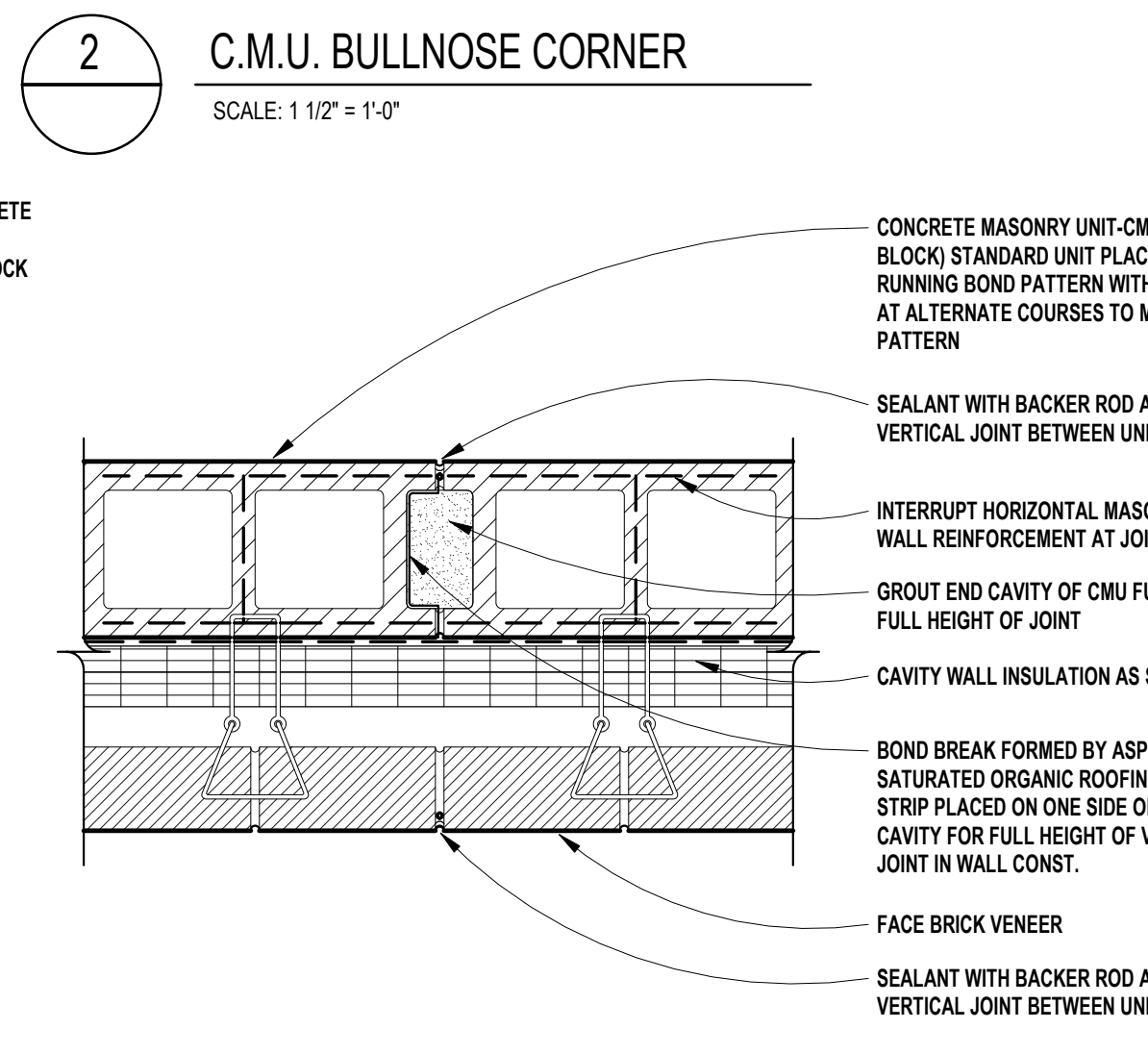
16 ROOF EQUIPMENT CURB  
SCALE: 3/4" = 1'-0"



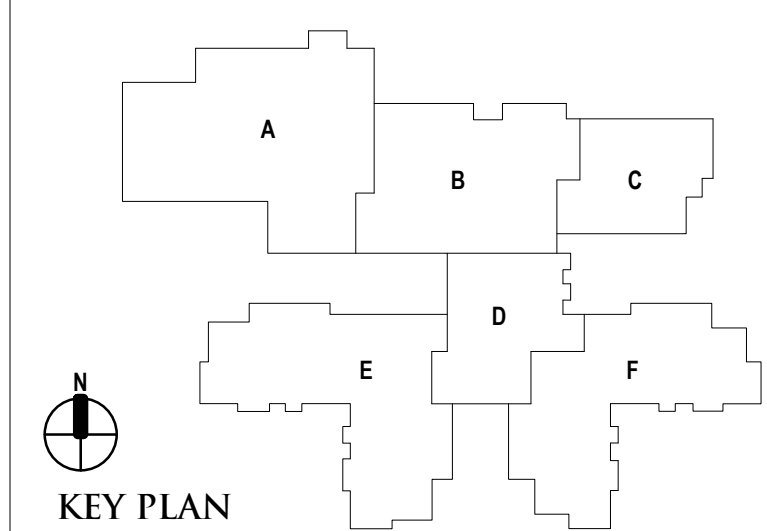
11 MASONRY PIPE PENETRATION  
SCALE: 1 1/2" = 1'-0"



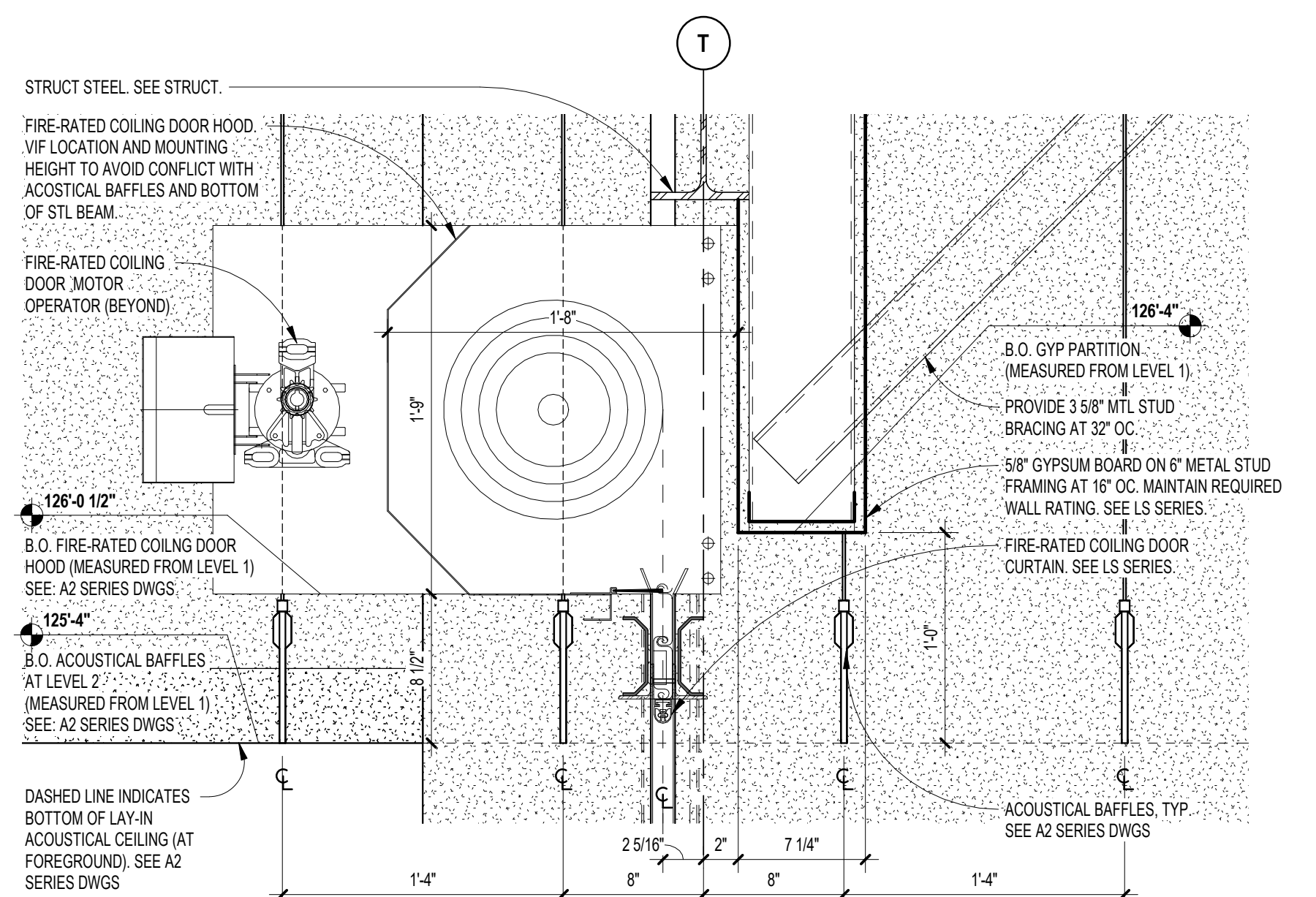
6 MASONRY CONTROL JOINT  
SCALE: 1 1/2" = 1'-0"



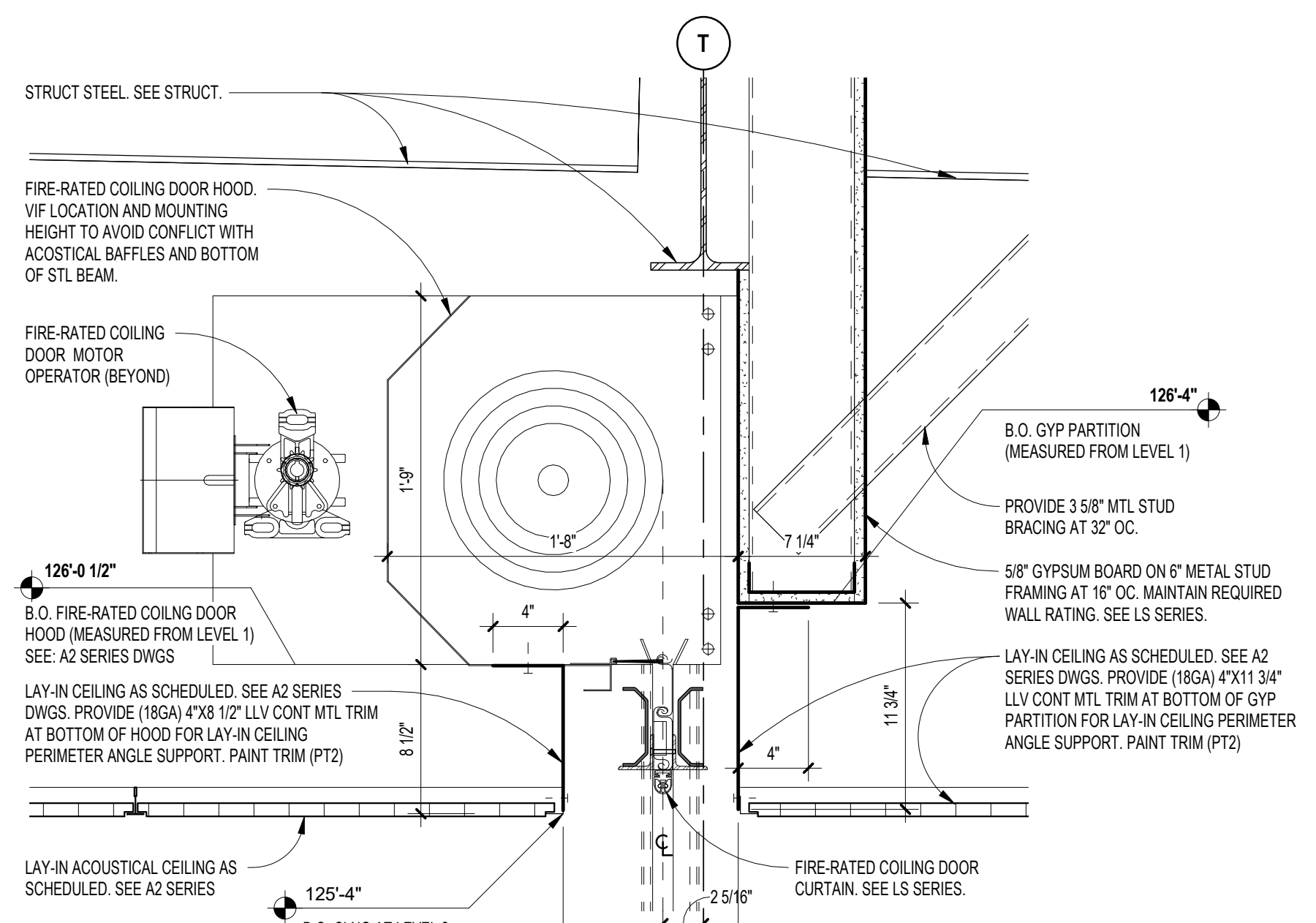
1 MASONRY CONTROL JOINT  
SCALE: 1 1/2" = 1'-0"



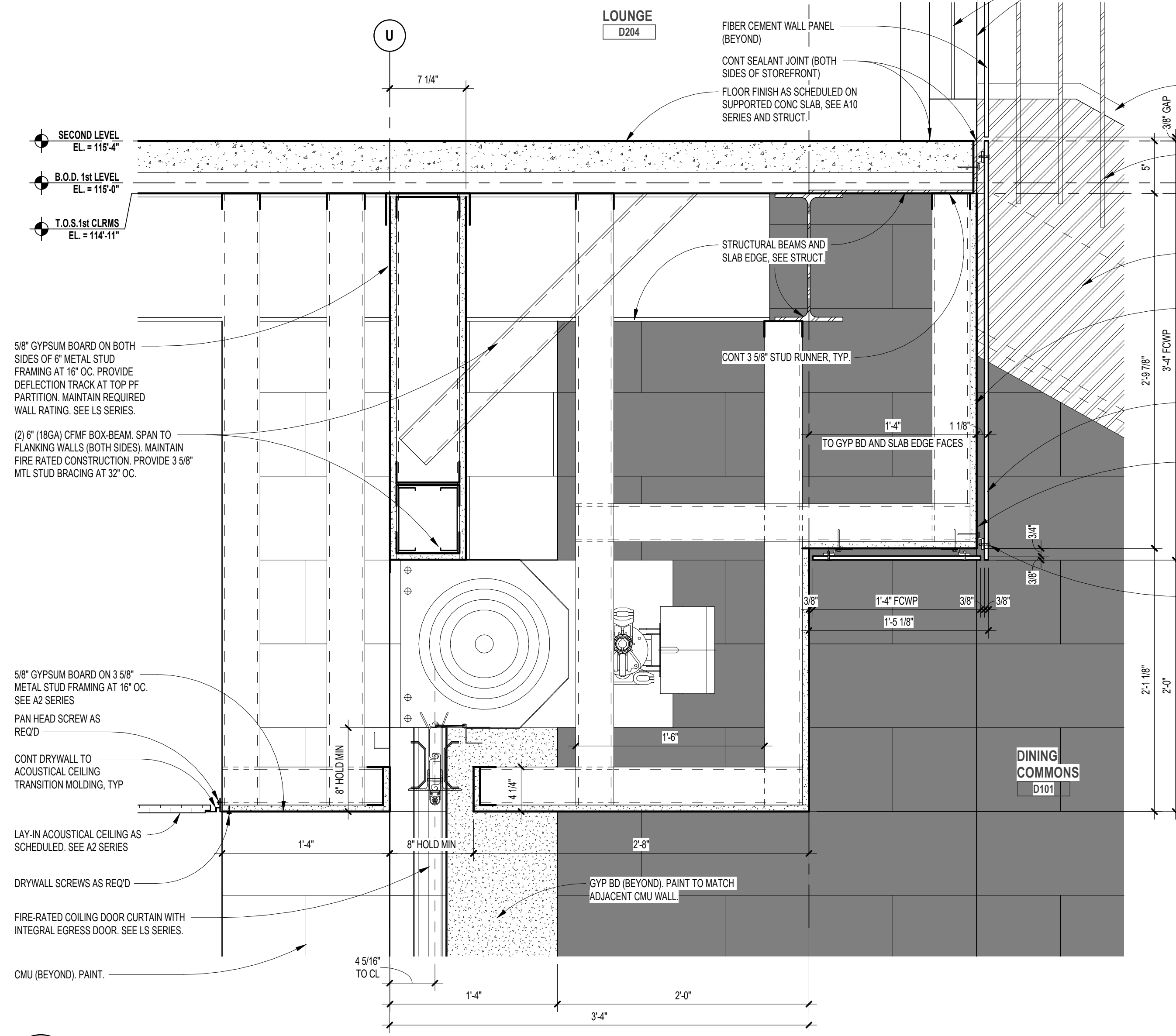
DATE	ISSUED FOR
06-18-2024	CONSTRUCTION DOCUMENTS



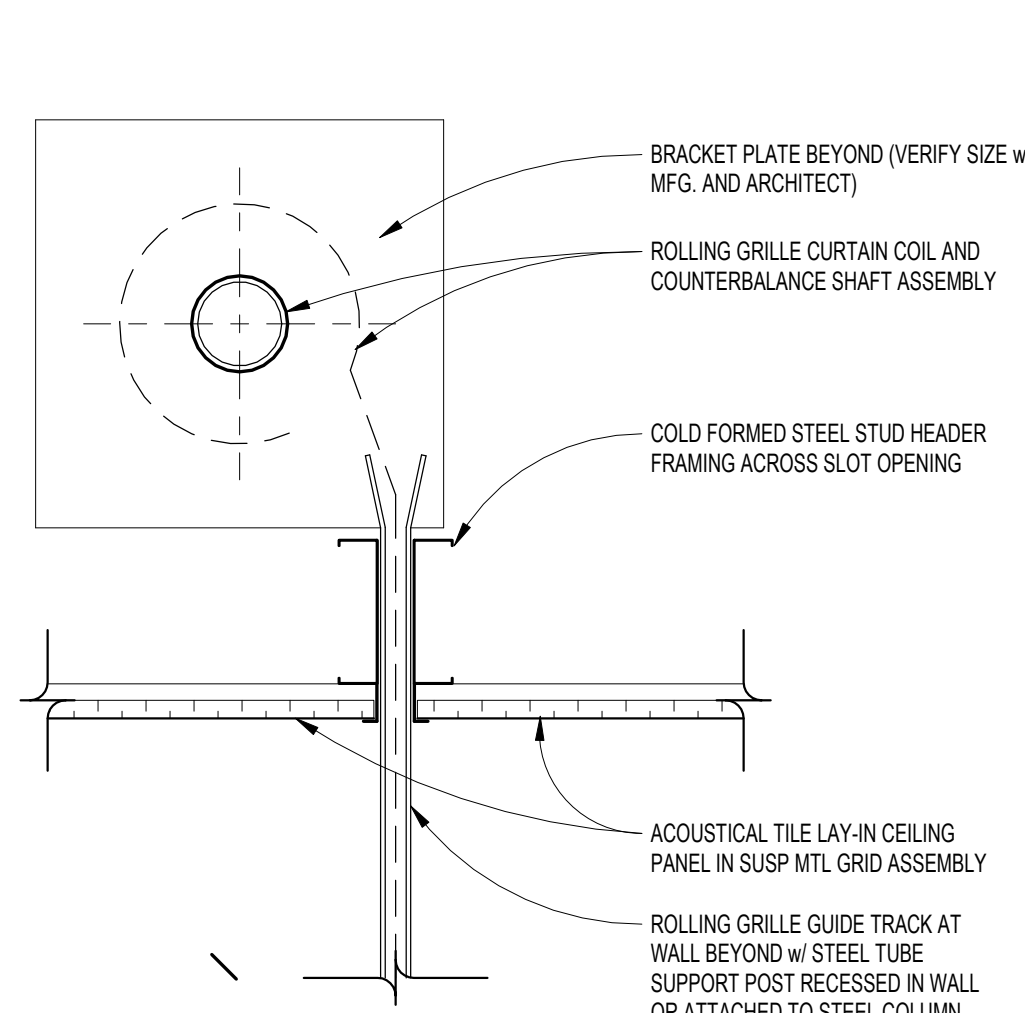
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 SCALE: 1 1/2" = 1'-0"



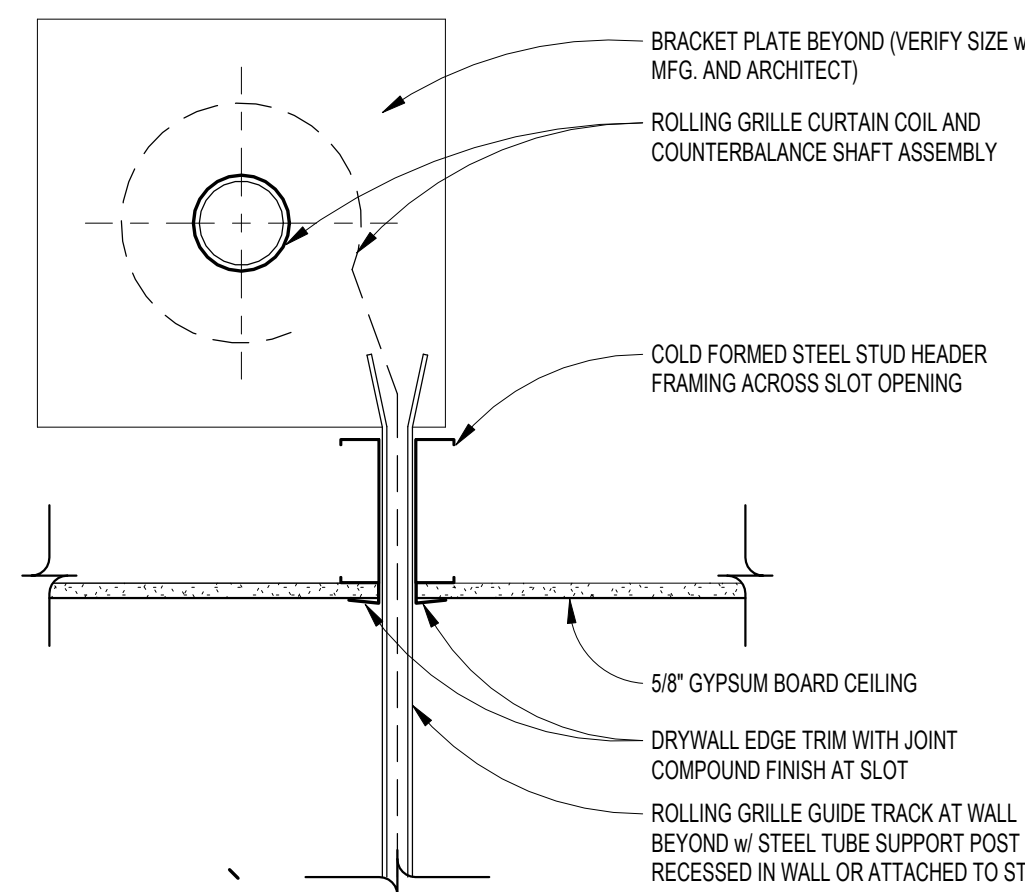
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 A6.3  
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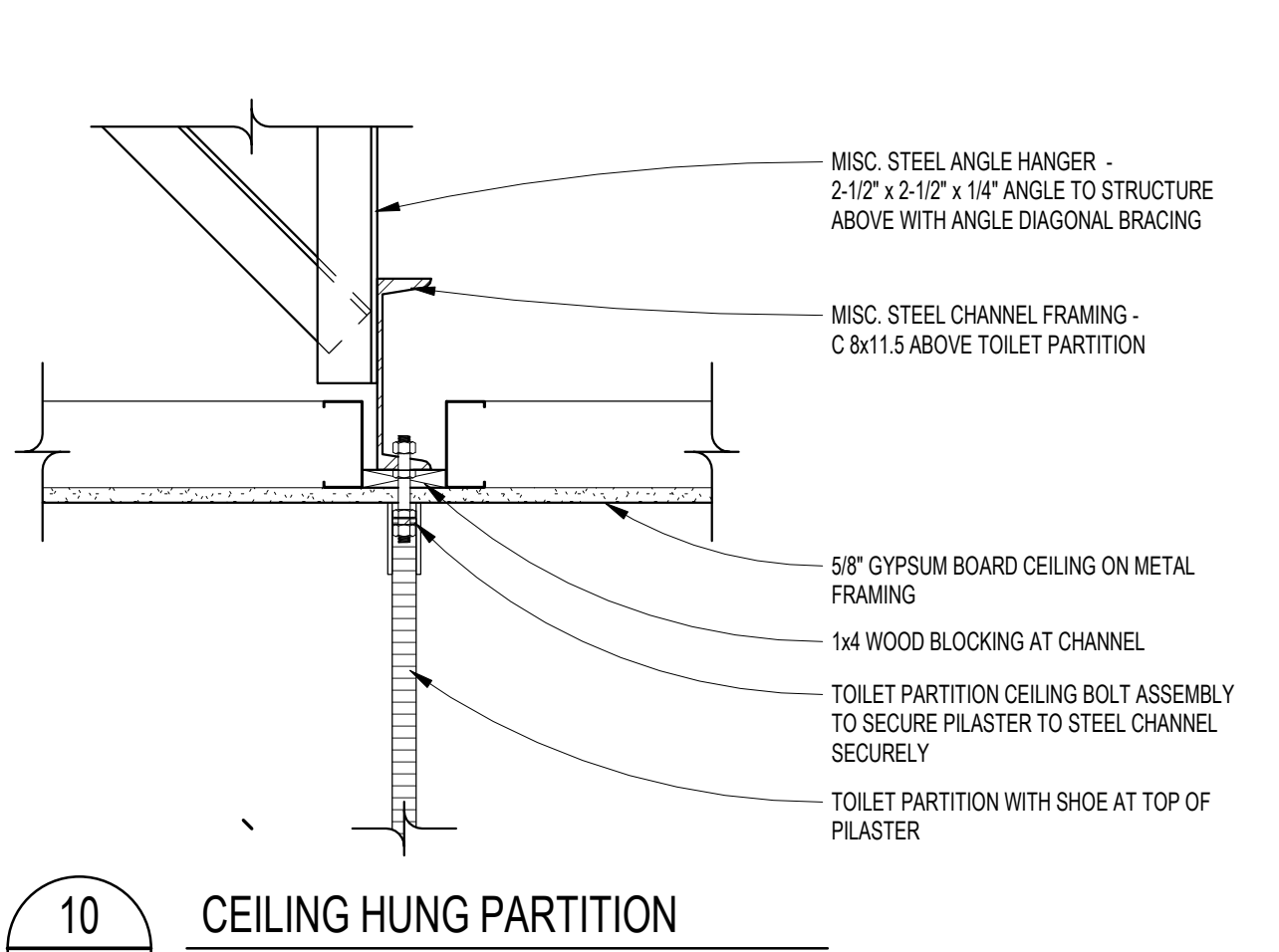
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 A2.1D  
 SCALE: 1 1/2" = 1'-0"



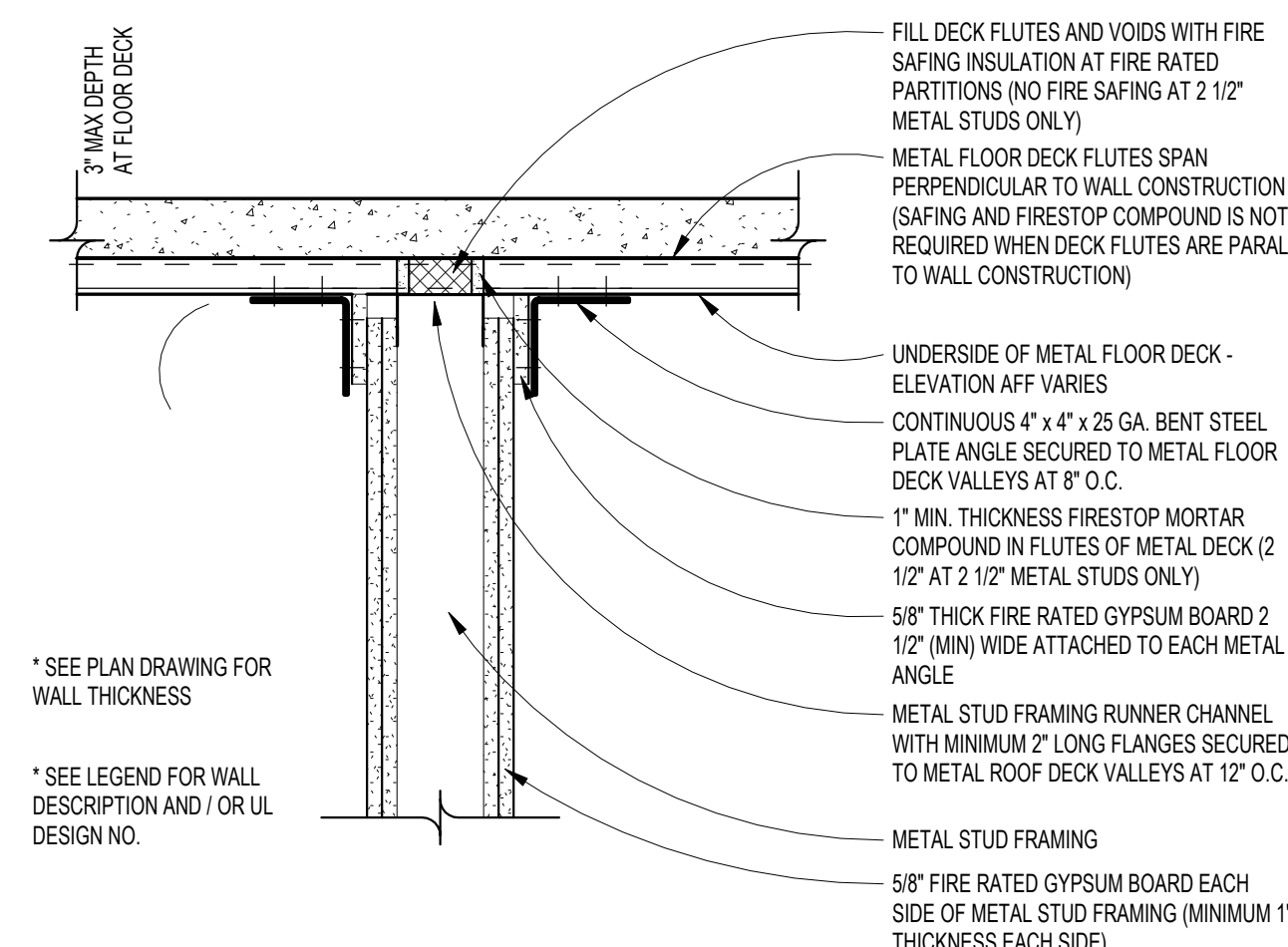
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 SCALE: 1 1/2" = 1'-0"



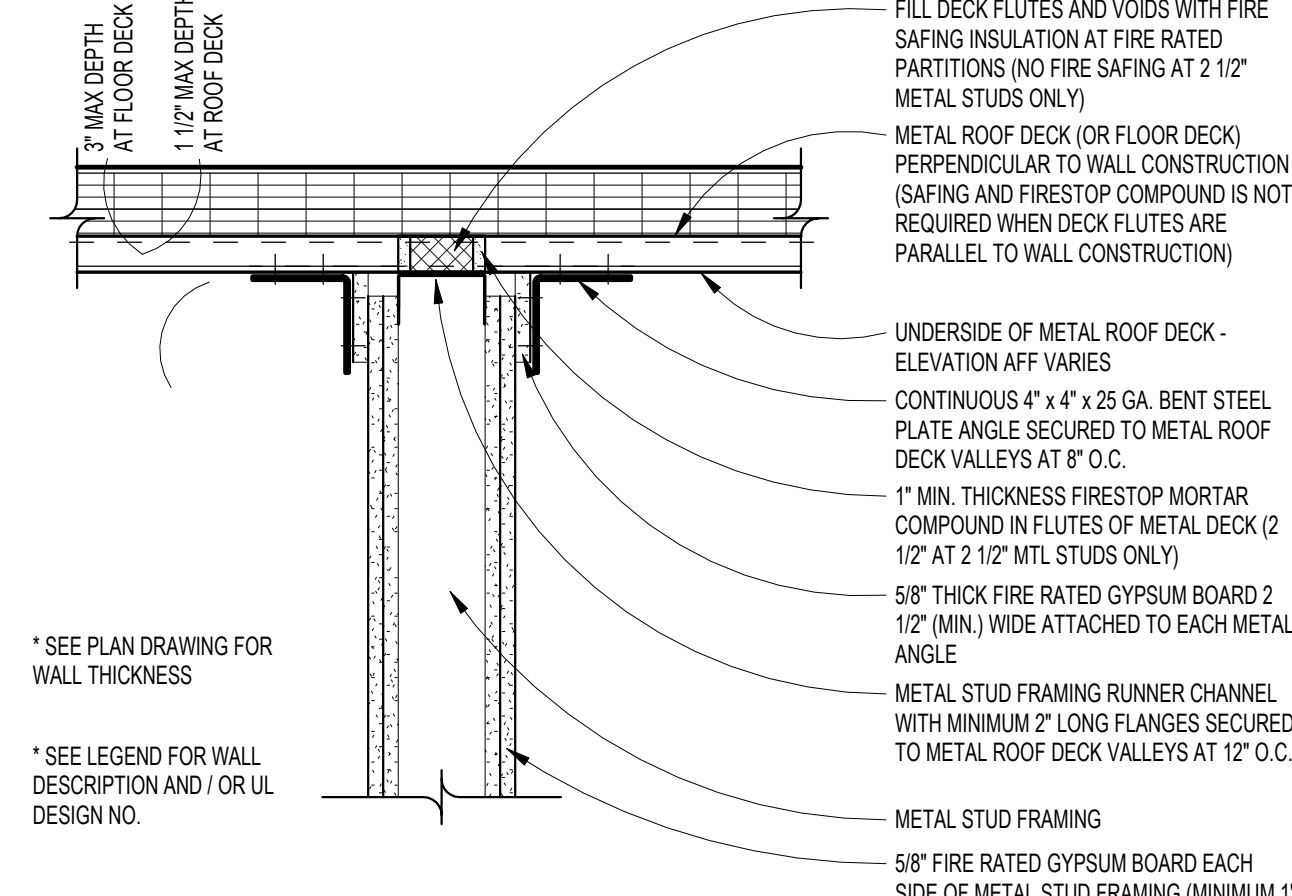
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 SCALE: 1 1/2" = 1'-0"



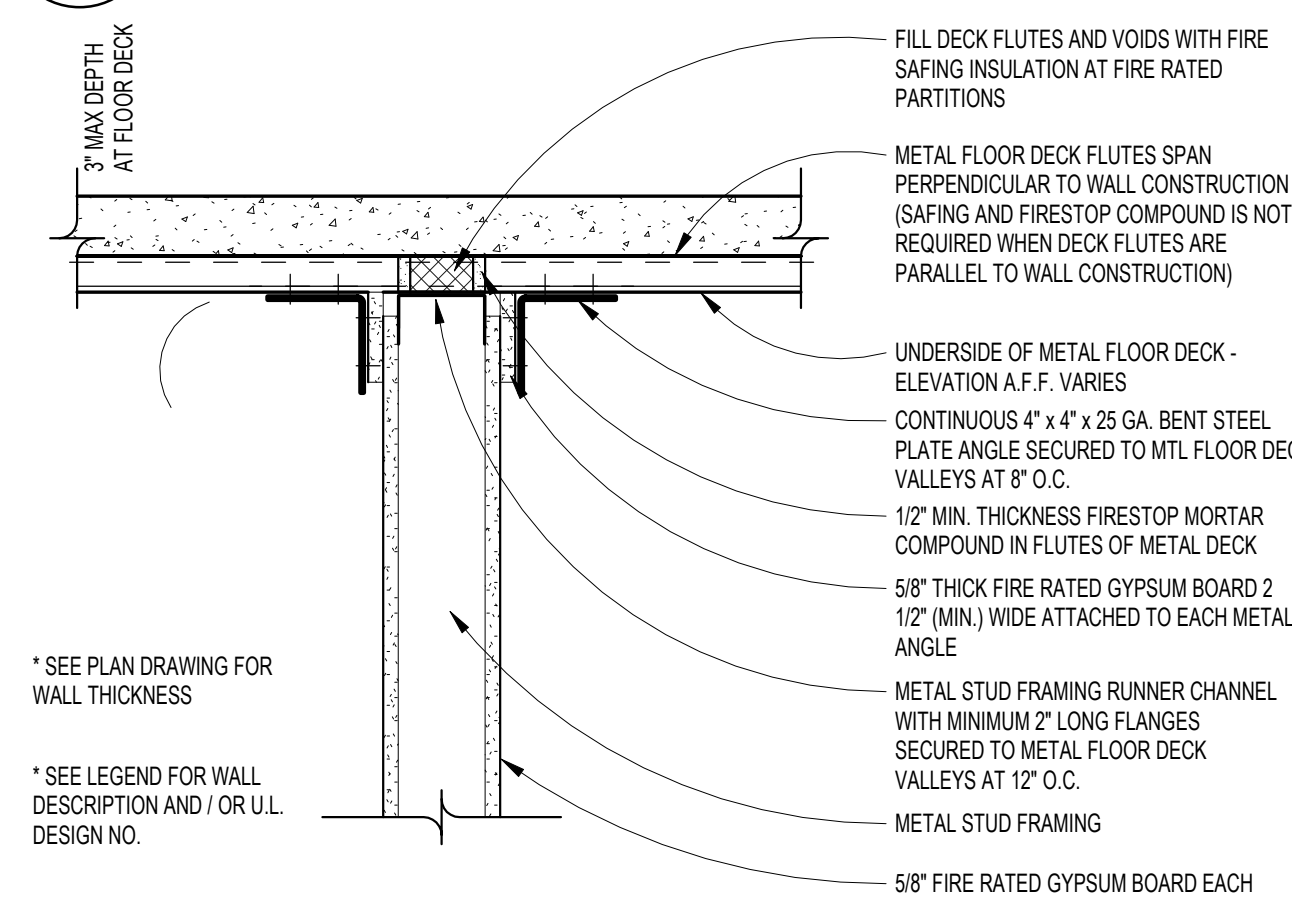
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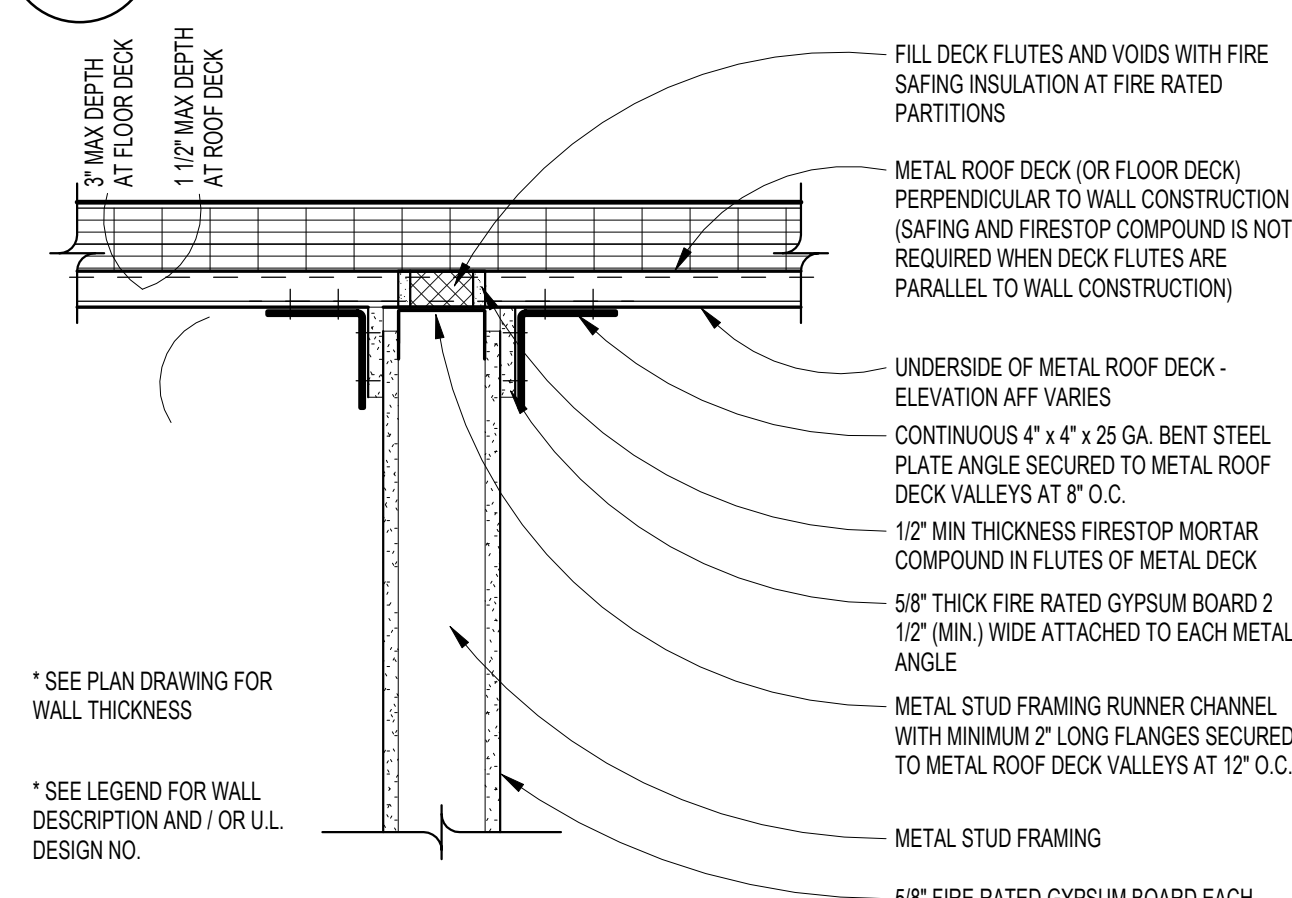
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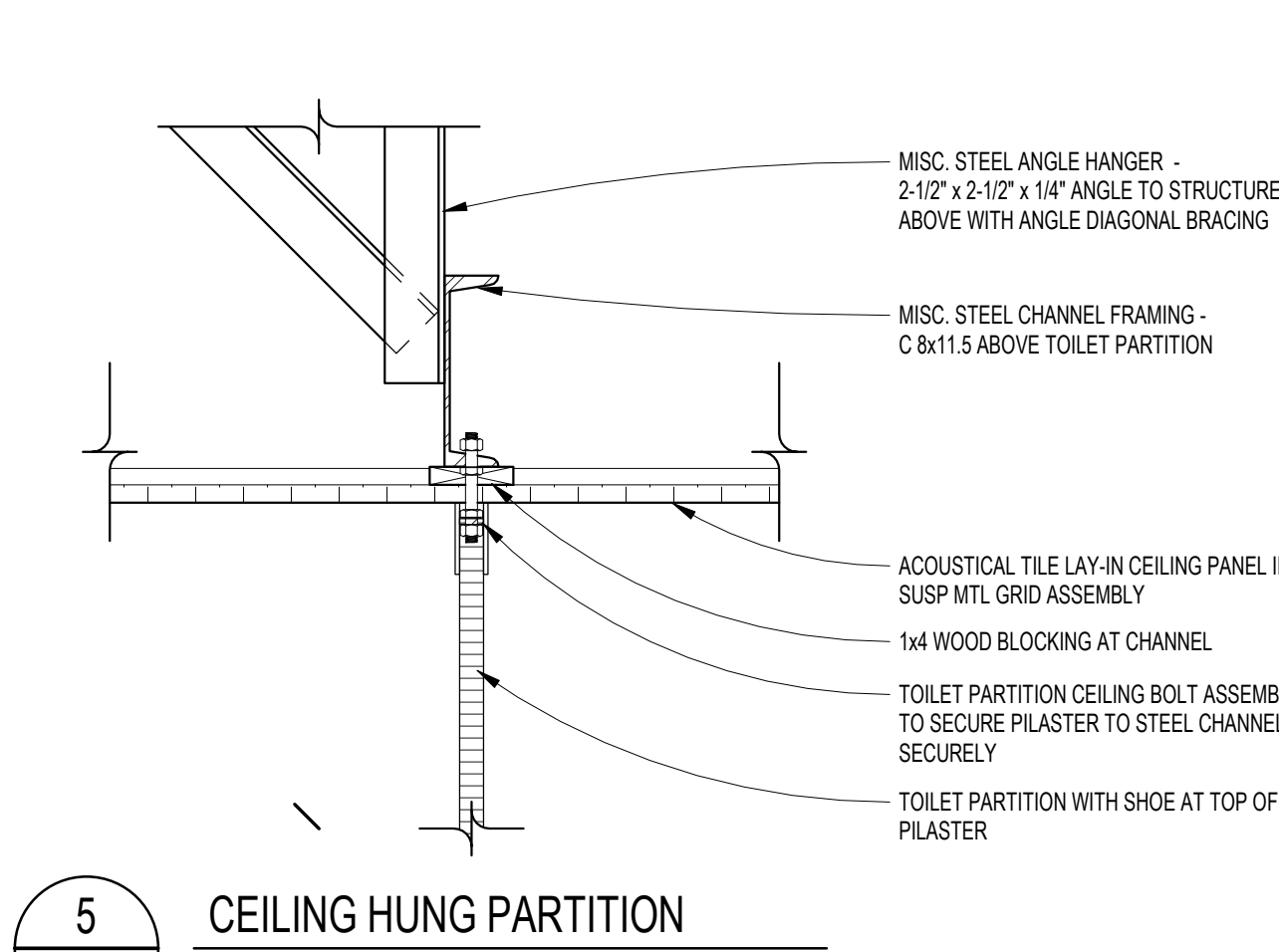
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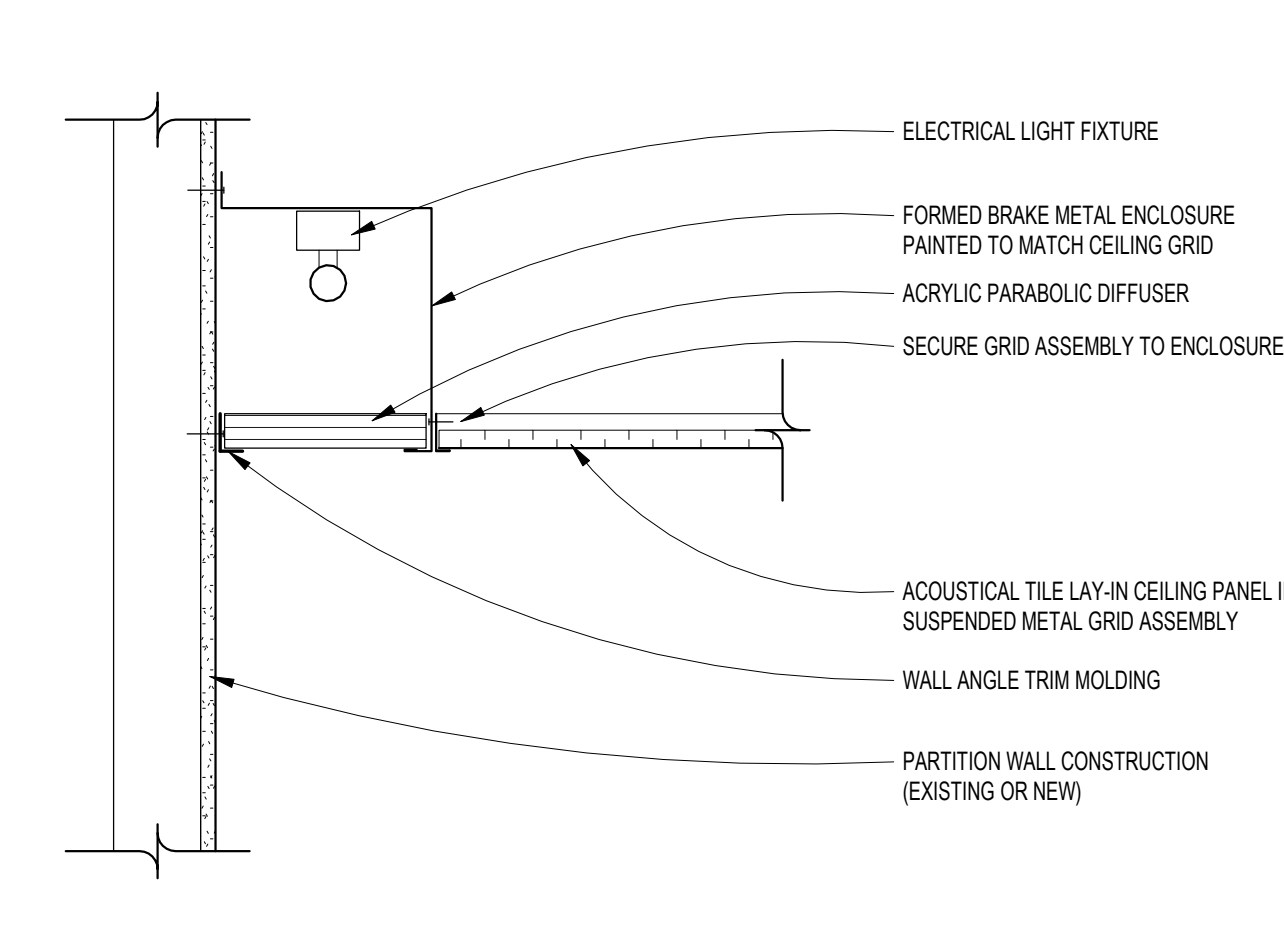
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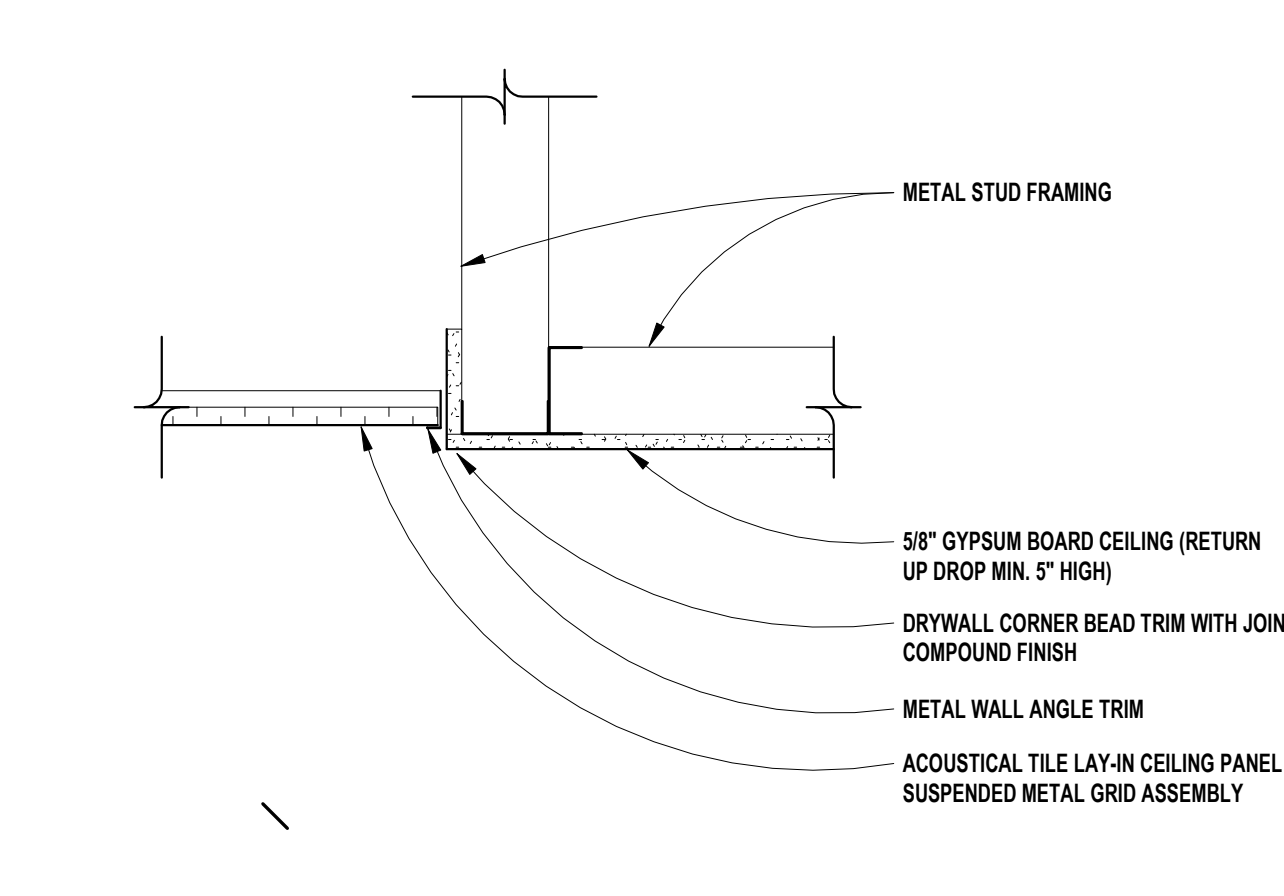
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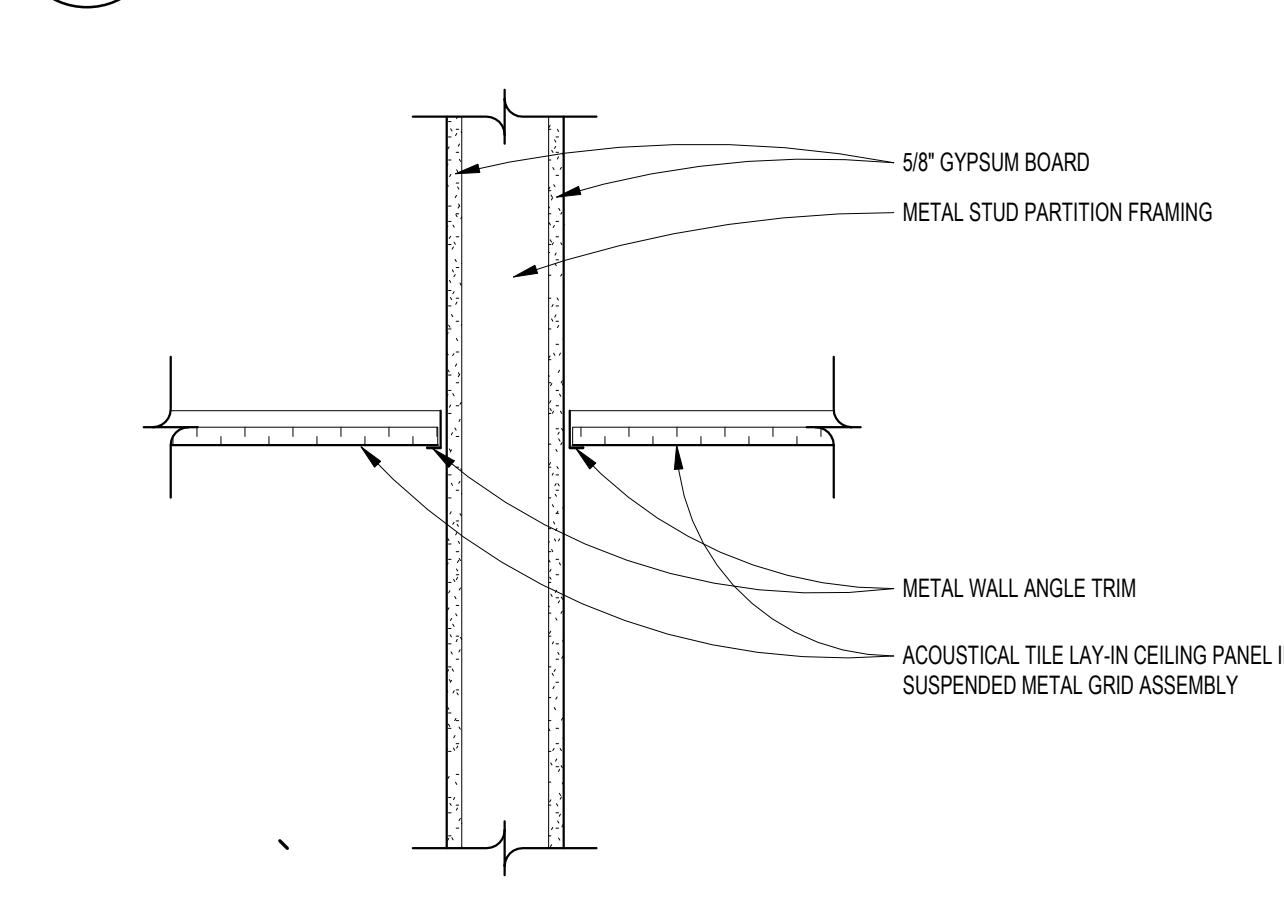
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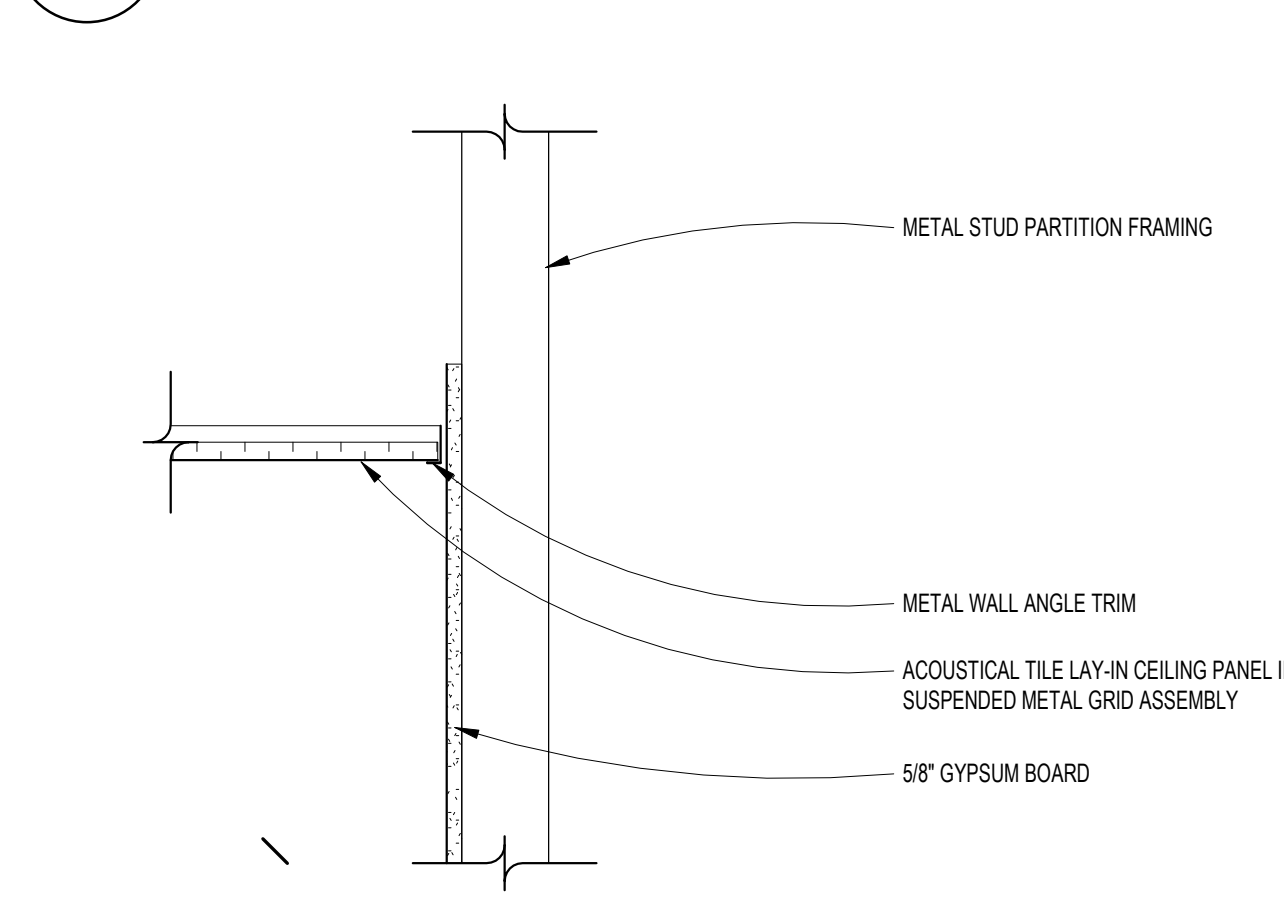
4  
 SCALE: 1 1/2" = 1'-0"



3  
 SCALE: 1 1/2" = 1'-0"



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



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



TMP ARCHITECTURE INC  
1191 WEST SQUARE LAKE ROAD  
BLOOMFIELD HILLS, MICHIGAN 48302  
PH: 248.338.4564 FX: 248.338.0223  
EM: INFO@TMP-ARCHITECTURE.COM

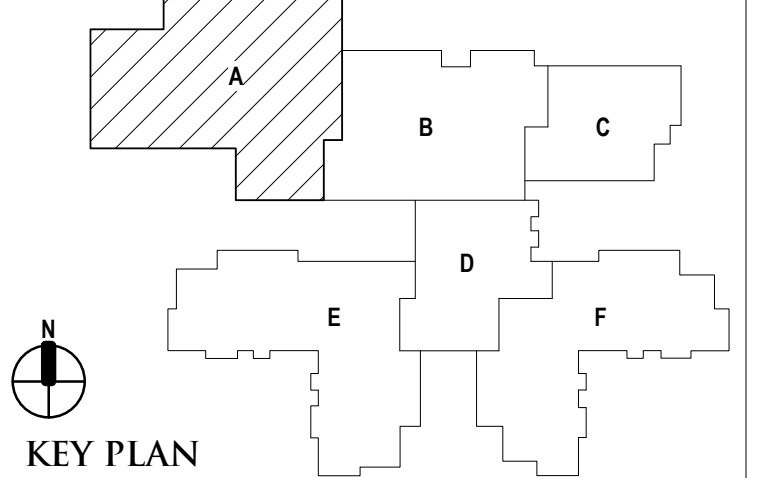
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**First Level Casework &  
Equipment Plan - Zone 'A'**



KEY PLAN

ISSUE DATES

DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS

DRAWN do

CHECKED jw

APPROVED dt

PROJECT NO.

**22102**

DRAWING NO.

**A9.1A**

**LEGEND**

DISPLAY (BY OTHERS) - WALL OR SUSPENDED MOUNT (BY OTHERS)

FES FEC FIRE EXTINGUISHER IN CABINET (FEC)

FE FIRE EXTINGUISHER ON WALL BRACKET (FE)

CG1 7'-0" HIGH (UON) SURFACE MOUNT CORNER GUARD

**VISUAL DISPLAY BOARD NOTES**

**TYPE OF BOARD**

6'-0" MB1

WIDTH OF BOARD/STRIP

HEIGHT OF ALL BOARDS ARE 4'-0" (UON)

**NOTES:**

- MB = MARKERBOARD
- TS = TACKBOARD
- TS = TACK STRIP
- DSP = DISPLAY (BY OTHERS)
- MAP RAILS SHALL BE CONTINUOUS OVER MARKERBOARDS.
- ALL MARKERBOARDS SHALL BE PROVIDED WITH TRAYS & MAP RAILS.
- LEGEND: MB1 = PORCELAIN ENAMEL STEEL HORIZONTAL ORIENTATION MB2 = PORCELAIN ENAMEL STEEL VERTICAL ORIENTATION MB3 = MAGNETIC GLASS

**CASEWORK NOTES**

- ALL PREFABRICATED CABINETS INDICATED ARE BASED ON TMI STORAGE SYSTEMS CORPORATION PRODUCTS. REFER TO TMI CATALOG FOR TYPICAL NUMBERING FORMAT.
- ALL TMI CABINETS ARE DESIGNATED USING THE TYPICAL TMI ELEVEN (11) DIGIT NOTATION SYSTEM. THE FIRST FIVE DIGITS ARE THE MODEL NUMBER FOLLOWED BY THREE SETS OF TWO DIGIT NUMBERS FOR THE WIDTH, HEIGHT AND DEPTH.
- WIDTH, HEIGHT AND DEPTH OF PREFABRICATED CABINETS IS INDICATED IN INCHES UNLESS NOTED OTHERWISE. MODEL DIMENSIONS ARE NOMINAL UNLESS SPECIFICALLY NOTED. "0000-00-00-00" INDICATES MODIFIED CASEWORK.
- PROVIDE PLASTIC LAMINATE COUNTERTOPS (WITH BACKEND SPLASHES) AT ALL BASE CABINETS. RADIUS ALL OUTSIDE CORNERS (U.O.A.)
- ALL EXPOSED SURFACES OF CASEWORK TO BE FINISHED, TYPICAL.
- WALL CABINETS (OVER COUNTERS) ARE TYPICALLY MOUNTED AT 7'-4" AFF TO TOP (UON).
- PROVIDE FINISHED END PANELS ON ALL EXPOSED CASEWORK ENDS.
- PROVIDE RESTRAINING CHAINS ON ALL END BASE AND WALL CABINET DOORS WHICH OPEN AGAINST PERPENDICULAR WALLS.
- WHERE CASEWORK IS HELD AWAY FROM WALLS, TO FLUSH-OUT WITH ADJACENT CABINETS, SCRIBE ENDFILLER PANELS TO WALLS.
- PROVIDE FILLER PANELS WHERE SHOWN AND/OR OTHERWISE REQUIRED FOR A COMPLETE INSTALLATION.
- PROVIDE LOCKS AT ALL CABINET DOORS AND DRAWERS (U.O.A.)
- MODIFY SINK BASE CABINETS AS REQUIRED TO ACCOMMODATE OVERSIZED SINKS (SEE MECHANICAL FOR OVERSIZED SINK LOCATIONS).
- WHERE BF 34" HIGH BASE CABINETS ARE INDICATED, MODIFY CABINET CONSTRUCTION BY REDUCING THE HEIGHT OF ALL COMPARTMENTS EQUALLY (INDICATE ON SHOP DWGS.)
- PROVIDE INTERMEDIATE PLASTIC LAMINATE CLAD SUPPORT PANELS @ 4'-0" OC MAXIMUM AT ALL UNSUPPORTED COUNTER TOPS (UON).
- PROVIDE GROMMETS AT ALL COUNTERS WITH KNEESPACES, WHERE POWER DATA OUTLETS ARE LOCATED BELOW (REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS). UON. PROVIDE (1) ONE GROMMET PER KNEESPACE (UON). FINAL LOCATIONS WILL BE MARKED-UP ON THE SHOP DRAWING SUBMITTAL.
- PROVIDE MOISTURE RESISTANT PARTICLE BOARD AT SINK BASE, COUNTERTOP, AND SPLASH WITHIN 18" OF SINK.
- IN SCIENCE LABS, ACID NEUTRALIZATION TANKS TO BE PROVIDED IN TEACHER DEMONSTRATION TABLES.
- ALL TYPICAL MUSIC WING CABINETS INDICATED ARE BASED ON WENGER CORPORATION PRODUCTS. REFER TO WENGER CATALOG FOR TYPICAL NUMBERING FORMAT.
- ALL WENGER CABINETS IS DESIGNATED USING THE PREFIX "W" AND THEN THE WENGER NUMBER SYSTEM.
- ALL SCIENCE CABINETS ARE BASED ON SHELDON PRODUCTS. REFER TO SHELDON CATALOG FOR TYPICAL NUMBER FORMAT.

**LOCKER LEGEND**

TYPE	DESCRIPTION
L-1	SINGLE-TIER STANDARD LOCKERS (12" X 15" X 72" HIGH) VENTILATED, ON METAL Z' BASE
L-2	SINGLE-TIER ADA ACCESSIBLE LOCKERS (12" X 15" X 72" HIGH) VENTILATED, ON METAL Z' BASE
L-2	DOUBLE-TIER CORRIDOR LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON METAL Z' BASE
L-2	DOUBLE-TIER ADA ACCESSIBLE CORRIDOR LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON METAL Z' BASE
L-3	SINGLE-TIER STANDARD LOCKERS (12" X 15" X 30" HIGH) VENTILATED, ON METAL Z' BASE
L-3	SINGLE-TIER ADA ACCESSIBLE STANDARD LOCKERS (12" X 15" X 30" HIGH) VENTILATED, ON METAL Z' BASE
L-4	SINGLE-TIER ATHLETIC LOCKERS (15" X 15" X 72" HIGH), VENTILATED, ON 4" TALL CMU BASE
L-4	SINGLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 72" HIGH) VENTILATED, ON 4" TALL CMU/CONCRETE BASE (-/-)
L-5	FIVE-TIER ATHLETIC LOCKERS (15" X 15" X 60" HIGH), VENTILATED, ON 4" TALL CMU/CONCRETE BASE
L-5	FIVE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 60" HIGH) VENTILATED, ON 4" TALL CMU BASE
L-6	DOUBLE-TIER ATHLETIC LOCKERS (15" X 15" X 60" HIGH), VENTILATED, ON 18" TALL CMU BASE
L-6	DOUBLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 60" HIGH) VENTILATED, ON 18" TALL CMU BASE
L-7	DOUBLE-TIER ATHLETIC LOCKERS (24" X 15" X 72" HIGH), VENTILATED, ON 18" TALL CMU BASE
L-7	DOUBLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (24" X 15" X 72" HIGH) VENTILATED, ON 18" TALL CMU BASE

**LOCKER NOTES:**

- PROVIDE CONTINUOUS SLOPED TOPS AT ALL LOCKERS (UON)
- PROVIDE FILLER PIECES AT ENDS & CORNERS AS REQUIRED
- SIZES INDICATED ABOVE REFER TO WIDTH x DEPTH x HEIGHT
- LOCKERS TAGGED WITH "A" ARE ACCENT COLOR LOCKERS. SEE SPECIFICATIONS.

**PROJECTION SCREEN SCHEDULE**

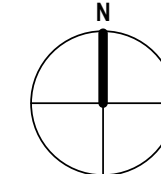
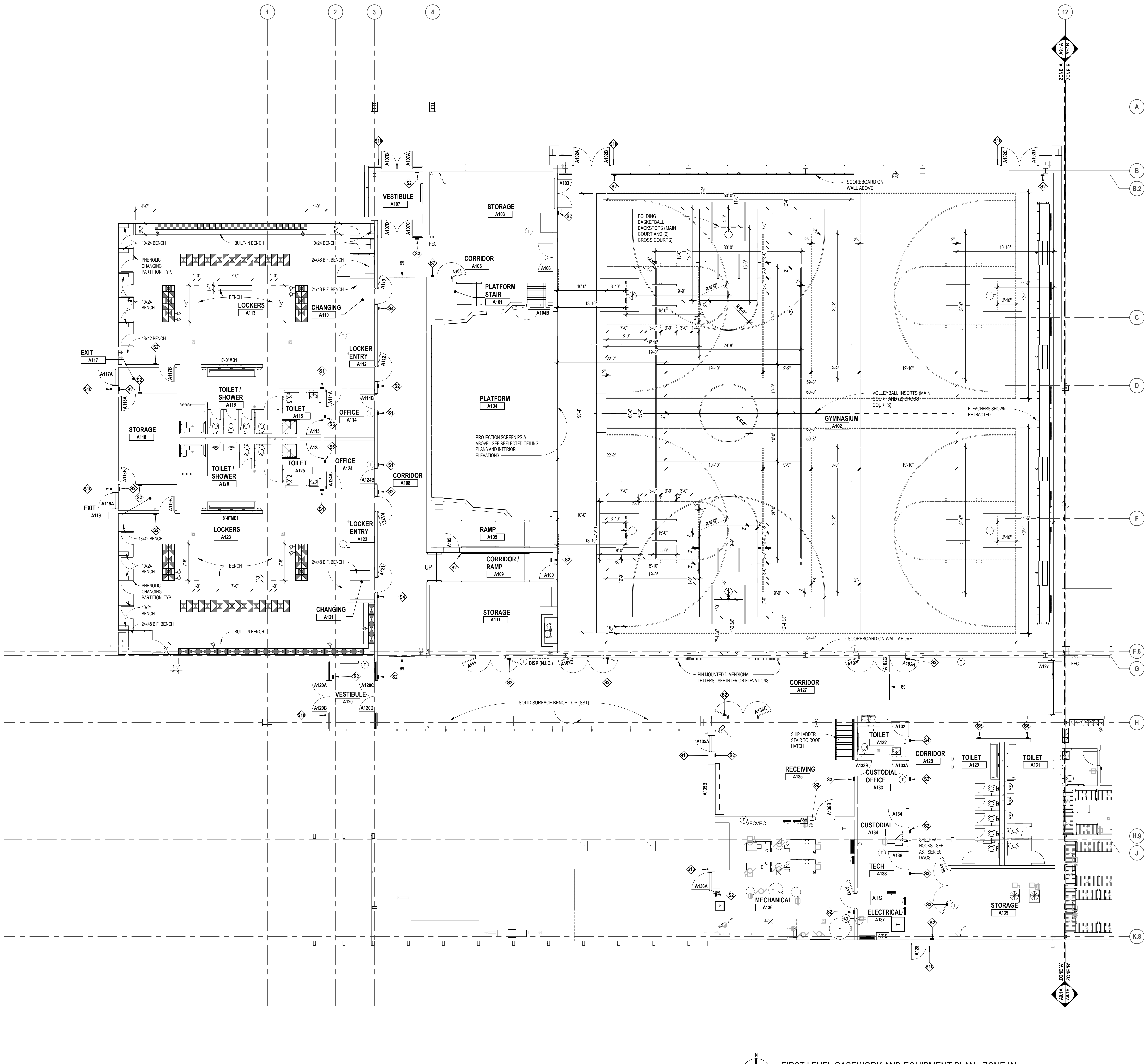
SCREEN	SIZE	OPERATION	LOCATION
PS-A	22'-6" x 14'-9"	ELECTRICALLY OPERATED, WALL MOUNTED	GYMNASIUM
PS-B	9'-3" x 6'-0-1/2"	FIXED, WALL MOUNTED	CORRIDOR
PS-C	16'-6" x 10'-4"	ELECTRICALLY OPERATED, RECESSED MOUNTED	RECEIVING

**NOTES:**

- REFER TO ELECTRICAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

**INTERIOR SIGNAGE**

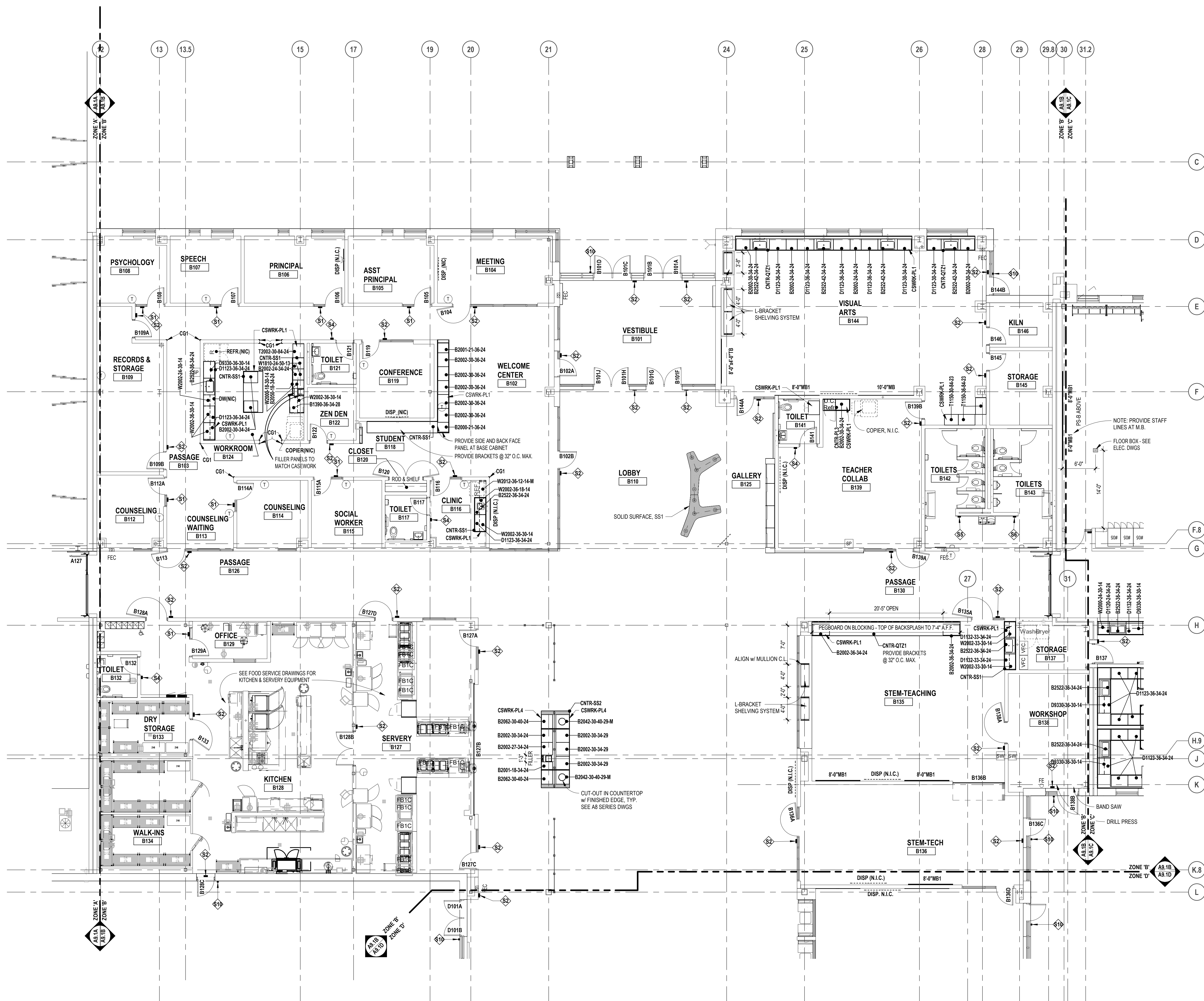
THIS IS AN INTERIOR SIGNAGE IDENTIFICATION. REFER TO SPECIFICATIONS FOR INTERIOR SIGNAGE TYPE AND SCHEDULED INFORMATION



FIRST LEVEL CASEWORK AND EQUIPMENT PLAN - ZONE 'A'

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

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**LEGEND**

- DISPLAY (BY OTHERS) - WALL OR SUSPENDED MOUNT (BY OTHERS)
- FIRE EXTINGUISHER IN CABINET (FEC)
- FIRE EXTINGUISHER ON WALL BRACKET (FE)
- 7'-0" HIGH (UON) SURFACE MOUNT CORNER GUARD

**VISUAL DISPLAY BOARD NOTES**

**TYPE OF BOARD**

- 6'-0" MB1
- WIDTH OF BOARD/STRIP
- HEIGHT OF ALL BOARDS ARE 4'-0" (UON)

**NOTES:**

1. MB = MARKERBOARD
2. TS = TACKBOARD
3. TS = TACK STRIP
4. DISP = DISPLAY (BY OTHERS)
5. MOUNTING HEIGHTS (UON): MB/TS = 3'-4" AFF TO BOTTOM
6. MAP RAILS SHALL BE CONTINUOUS OVER MARKERBOARDS.
7. ALL MARKERBOARDS SHALL BE PROVIDED WITH TRAYS & MAP RAILS.
8. LEGEND: MB1 = PORCELAIN ENAMEL STEEL HORIZONTAL ORIENTATION MB2 = PORCELAIN ENAMEL STEEL VERTICAL ORIENTATION MB3 = MAGNETIC GLASS

**CASEWORK NOTES**

1. ALL PREFABRICATED CABINETS INDICATED ARE BASED ON TMI STORAGE SYSTEMS CORPORATION PRODUCTS. REFER TO TMI CATALOG FOR TYPICAL NUMBERING FORMAT.
2. ALL TMI CABINETS ARE DESIGNATED USING THE TYPICAL TMI ELEVEN (11) DIGIT NOTATION SYSTEM. THE FIRST FIVE DIGITS ARE THE MODEL NUMBER FOLLOWED BY THREE SETS OF TWO DIGIT NUMBERS FOR THE WIDTH, HEIGHT AND DEPTH.
3. WIDTH, HEIGHT AND DEPTH OF PREFABRICATED CABINETS IS INDICATED IN INCHES. UNLESS NOTED OTHERWISE, MODEL DIMENSIONS ARE NOMINAL. UNLESS SPECIFICALLY NOTED, "0000-00-00-00" INDICATES MODIFIED CASEWORK.
4. PROVIDE PLASTIC LAMINATE COUNTERTOPS (WITH BACKEND SPLASHES) AT ALL BASE CABINETS. RADIUS ALL OUTSIDE CORNERS (U.O.A.)
5. ALL EXPOSED SURFACES OF CASEWORK TO BE FINISHED, TYPICAL.
6. WALL CABINETS (OVER COUNTERS) ARE TYPICALLY MOUNTED AT 7'-4" AFF TO TOP (UON).
7. PROVIDE FINISHED END PANELS ON ALL EXPOSED CASEWORK ENDS.
8. PROVIDE RESTRAINING CHAINS ON ALL END BASE AND WALL CABINET DOORS WHICH OPEN AGAINST PERPENDICULAR WALLS.
9. WHERE CASEWORK IS HELD AWAY FROM WALLS, TO FLUSH-OUT WITH ADJACENT CABINETS, SCRIBE ENDFILLER PANELS TO WALLS.
10. PROVIDE FILLER PANELS WHERE SHOWN AND/OR OTHERWISE REQUIRED FOR A COMPLETE INSTALLATION.
11. PROVIDE LOCKS AT ALL CABINET DOORS AND DRAWERS (U.O.A.)
12. MODIFY SINK BASE CABINETS AS REQUIRED TO ACCOMMODATE OVERSIZED SINKS (SEE MECHANICAL FOR OVERSIZED SINK LOCATIONS).
13. WHERE 34" HIGH BASE CABINETS ARE INDICATED, MODIFY CABINET CONSTRUCTION BY REDUCING THE HEIGHT OF ALL COMPARTMENTS EQUALLY (INDICATE ON SHOP DWGS.)
14. PROVIDE INTERMEDIATE PLASTIC LAMINATE CLAD SUPPORT PANELS @ 4'-0" OC MAXIMUM AT ALL UNSUPPORTED COUNTER TOPS (UON).
15. PROVIDE GROMMETS AT ALL COUNTERS WITH KNEESPACES. WHERE POWER DATA OUTLETS ARE LOCATED BELOW (REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS), UON. PROVIDE (1) ONE GROMMET PER KNEESPACE (UON). FINAL LOCATIONS WILL BE MARKED-UP ON THE SHOP DRAWING SUBMITTAL.
16. PROVIDE MOISTURE RESISTANT PARTICLE BOARD AT SINK BASE, COUNTERTOP, AND SPLASH WITHIN 18" OF SINK.
17. IN SCIENCE LABS, ACID NEUTRALIZATION TANKS TO BE PROVIDED IN TEACHER DEMONSTRATION TABLES.
18. ALL TYPICAL MUSIC WING CABINETS INDICATED ARE BASED ON WENGER CORPORATION PRODUCTS. REFER TO WENGER CATALOG FOR TYPICAL NUMBERING FORMAT.
19. ALL WENGER CABINETRY IS DESIGNATED USING THE PREFIX "W-" AND THEN THE WENGER NUMBER SYSTEM.
20. ALL SCIENCE CABINETS ARE BASED ON SHELTON PRODUCTS. REFER TO SHELTON CATALOG FOR TYPICAL NUMBER FORMAT.

**LOCKER LEGEND**

TYPE	DESCRIPTION
L-1	SINGLE-TIER STANDARD LOCKERS (12" X 15" X 72" HIGH) VENTILATED, ON METAL "Z" BASE
L-2	SINGLE-TIER ADA ACCESSIBLE LOCKERS (12" X 15" X 72" HIGH) VENTILATED, ON METAL "Z" BASE
L-3	DOUBLE-TIER CORRIDOR LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON METAL "Z" BASE
L-4	DOUBLE-TIER ADA ACCESSIBLE CORRIDOR LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON METAL "Z" BASE
L-5	SINGLE-TIER STANDARD LOCKERS (12" X 15" X 30" HIGH) VENTILATED, ON METAL "Z" BASE
L-6	SINGLE-TIER ADA ACCESSIBLE STANDARD LOCKERS (12" X 15" X 30" HIGH) VENTILATED, ON METAL "Z" BASE
L-7	SINGLE-TIER ATHLETIC LOCKERS (15" X 15" X 72" HIGH), VENTILATED, ON 4" TALL CMU BASE
L-8	SINGLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 72" HIGH) VENTILATED, ON 4" TALL CMU/CONCRETE BASE (-/-)
L-9	FIVE-TIER ATHLETIC LOCKERS (15" X 15" X 60" HIGH), VENTILATED, ON 4" TALL CMU/CONCRETE BASE
L-10	FIVE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 60" HIGH) VENTILATED, ON 4" TALL CMU BASE
L-11	DOUBLE-TIER ATHLETIC LOCKERS (15" X 15" X 60" HIGH), VENTILATED, ON 18" TALL CMU BASE
L-12	DOUBLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 60" HIGH) VENTILATED, ON 18" TALL CMU BASE
L-13	DOUBLE-TIER ATHLETIC LOCKERS (24" X 15" X 72" HIGH), VENTILATED, ON 18" TALL CMU BASE
L-14	DOUBLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (24" X 15" X 72" HIGH) VENTILATED, ON 18" TALL CMU BASE

**LOCKER NOTES:**

1. PROVIDE CONTINUOUS SLOPED TOPS AT ALL LOCKERS (UON)
2. PROVIDE FILLER PIECES AT ENDS & CORNERS AS REQUIRED
3. SIZES INDICATED ABOVE REFER TO WIDTH + DEPTH + HEIGHT
4. LOCKERS TAGGED WITH "A" ARE ACCENT COLOR LOCKERS. SEE SPECIFICATIONS.

**PROJECTION SCREEN SCHEDULE**

TYPE	SIZE	OPERATION	LOCATION
PS-A	22'-6" x 14'-9"	ELECTRICALLY OPERATED, WALL MOUNTED	
PS-B	9'-3" x 6'-0-1/2"	FIXED, WALL MOUNTED	
PS-C	16'-6" x 10'-4"	ELECTRICALLY OPERATED, RECESSED MOUNTED	

**NOTES:**

1. REFER TO ELECTRICAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

**INTERIOR SIGNAGE**

THIS IS AN INTERIOR SIGNAGE IDENTIFICATION. REFER TO SPECIFICATIONS FOR INTERIOR SIGNAGE TYPE AND SCHEDULED INFORMATION

TMP ARCHITECTURE INC  
1191 WEST SQUARE LAKE ROAD  
BLOOMFIELD HILLS - MICHIGAN - 48302  
PH: 248.338.4564 | FX: 248.338.0223  
EM: INFO@TMP-ARCHITECTURE.COM

**REGISTRATION SEAL**

**CONSULTANT**

**PROJECT TITLE**  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

**Troy School District**  
Troy, Michigan

**DRAWING TITLE**  
**First Level Casework & Equipment Plan - Zone 'B'**

**ISSUE DATES**

DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS

**DRAWN** do

**CHECKED** jw

**APPROVED** dt

**PROJECT NO.**  
**22102**

**DRAWING NO.**  
**A9.1B**

FIRST LEVEL CASEWORK AND EQUIPMENT PLAN - ZONE 'B'  
SCALE: 1/8" = 1'-0"



TMP ARCHITECTURE INC  
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BLOOMFIELD HILLS, MICHIGAN 48302  
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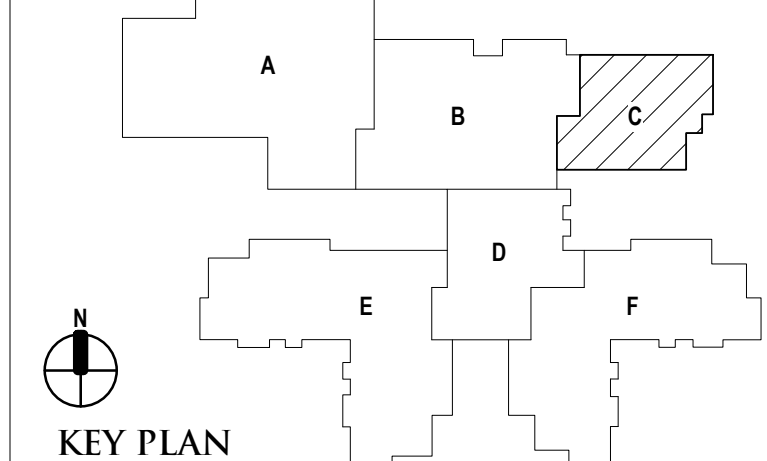
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**First Level Casework &  
Equipment Plan - Zone 'C'**



ISSUE DATES

96-18-2024 CONSTRUCTION DOCUMENTS

DATE ISSUED FOR:

DRAWN do

CHECKED jw

APPROVED dt

PROJECT NO.

**22102**

DRAWING NO.

**A9.1C**

LEGEND

- DISPLAY (BY OTHERS) - WALL OR SUSPENDED MOUNT (BY OTHERS)
- FES FIRE EXTINGUISHER IN CABINET (FEC)
- FE FIRE EXTINGUISHER ON WALL BRACKET (FE)
- CG1 7'-0" HIGH (UOM) SURFACE MOUNT CORNER GUARD

VISUAL DISPLAY BOARD NOTES

- TYPE OF BOARD: 6'-0" MB1
- NOTES:
1. MB = MARKERBOARD  
TB = TACKBOARD  
TS = TACK STRIP  
DSP = DISPLAY (BY OTHERS)
  2. MOUNTING HEIGHTS (UOM):  
MB/TB = 3'-0" AFF TO BOTTOM
  3. MAP RAILS SHALL BE CONTINUOUS OVER MARKERBOARDS.  
4. ALL MARKERBOARDS SHALL BE PROVIDED WITH TRAYS & MAP RAILS.
  5. LEGEND:  
MB1 = PORCELAIN ENAMEL STEEL HORIZONTAL ORIENTATION  
MB2 = PORCELAIN ENAMEL STEEL VERTICAL ORIENTATION  
MB3 = MAGNETIC GLASS

CASEWORK NOTES

1. ALL PREFABRICATED CABINETS INDICATED ARE BASED ON TMI STORAGE SYSTEMS CORPORATION PRODUCTS. REFER TO TMI CATALOG FOR TYPICAL NUMBERING FORMAT.
2. ALL TMI CABINETS ARE DESIGNATED USING THE TYPICAL TMI ELEVEN (11) DIGIT NOTATION SYSTEM. THE FIRST FIVE DIGITS ARE THE MODEL NUMBER FOLLOWED BY THREE SETS OF TWO DIGIT NUMBERS FOR THE WIDTH, HEIGHT AND DEPTH.
3. WIDTH, HEIGHT AND DEPTH OF PREFABRICATED CABINETS IS INDICATED IN INCHES UNLESS NOTED OTHERWISE. MODEL DIMENSIONS ARE NOMINAL UNLESS SPECIFICALLY NOTED. "0000-00-00-00" INDICATES MODIFIED CASEWORK.
4. PROVIDE PLASTIC LAMINATE COUNTERTOPS (WITH BACKEND SPLASHES) AT ALL BASE CABINETS. RADIUS ALL OUTSIDE CORNERS (U.O.N.)
5. ALL EXPOSED SURFACES OF CASEWORK TO BE FINISHED, TYPICAL.
6. WALL CABINETS (OVER COUNTERS) ARE TYPICALLY MOUNTED AT 7'-4" AFF TO TOP (UON).
7. PROVIDE FINISHED END PANELS ON ALL EXPOSED CASEWORK ENDS.
8. PROVIDE RESTRAINING CHAINS ON ALL END BASE AND WALL CABINET DOORS WHICH OPEN AGAINST PERPENDICULAR WALLS.
9. WHERE CASEWORK IS HELD AWAY FROM WALLS, TO FLUSH-OUT WITH ADJACENT CABINETS, SCRIBE END-FILLER PANELS TO WALLS.
10. PROVIDE FILLER PANELS WHERE SHOWN AND/OR OTHERWISE REQUIRED FOR A COMPLETE INSTALLATION.
11. PROVIDE LOCKS AT ALL CABINET DOORS AND DRAWERS (U.O.N.)
12. MODIFY SINK BASE CABINETS AS REQUIRED TO ACCOMMODATE OVERSIZED SINKS (SEE MECHANICAL FOR OVERSIZED SINK LOCATIONS).
13. WHERE 34" HIGH BASE CABINETS ARE INDICATED, MODIFY CABINET CONSTRUCTION BY REDUCING THE HEIGHT OF ALL COMPARTMENTS EQUALLY (INDICATE ON SHOP DWGS.)
14. PROVIDE INTERMEDIATE PLASTIC LAMINATE CLAD SUPPORT PANELS @ 4'-0" OC MAXIMUM AT ALL UNSUPPORTED COUNTER TOPS (UON).
15. PROVIDE GROMMETS AT ALL COUNTERS WITH KNEESPACES, WHERE POWER DATA OUTLETS ARE LOCATED BELOW (REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS). UON. PROVIDE (1) ONE GROMMET PER KNEESPACE (UON). FINAL LOCATIONS WILL BE MARKED-UP ON THE SHOP DRAWING SUBMITTAL.
16. PROVIDE MOISTURE RESISTANT PARTICLE BOARD AT SINK BASE, COUNTERTOP, AND SPLASH WITHIN 18" OF SINK.
17. IN SCIENCE LABS, ACID NEUTRALIZATION TANKS TO BE PROVIDED IN TEACHER DEMONSTRATION TABLES.
18. ALL TYPICAL MUSIC WING CABINETS INDICATED ARE BASED ON WENGER CORPORATION PRODUCTS. REFER TO WENGER CATALOG FOR TYPICAL NUMBERING FORMAT.
19. ALL WENGER CABINETRY IS DESIGNATED USING THE PREFIX "W-" AND THEN THE WENGER NUMBER SYSTEM.
20. ALL SCIENCE CABINETS ARE BASED ON SHELDON PRODUCTS. REFER TO SHELDON CATALOG FOR TYPICAL NUMBER FORMAT.

LOCKER LEGEND

- |           |   |
|-----------|---|
| TYPE L-1  | SINGLE-TIER STANDARD LOCKERS (12" X 15" X 72" HIGH) VENTILATED, ON METAL 'Z' BASE                                 |
| TYPE L-2  | SINGLE-TIER ADA ACCESSIBLE LOCKERS (12" X 15" X 72" HIGH) VENTILATED, ON METAL 'Z' BASE                           |
| TYPE L-3  | DOUBLE-TIER CORRIDOR LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON METAL 'Z' BASE                                 |
| TYPE L-4  | DOUBLE-TIER ADA ACCESSIBLE CORRIDOR LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON METAL 'Z' BASE                  |
| TYPE L-5  | SINGLE-TIER STANDARD LOCKERS (12" X 15" X 30" HIGH) VENTILATED, ON METAL 'Z' BASE                                 |
| TYPE L-6  | SINGLE-TIER ADA ACCESSIBLE STANDARD LOCKERS (12" X 15" X 30" HIGH) VENTILATED, ON METAL 'Z' BASE                  |
| TYPE L-7  | SINGLE-TIER ATHLETIC LOCKERS (15" X 15" X 72" HIGH), VENTILATED, ON 4" TALL CMU BASE                              |
| TYPE L-8  | SINGLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 72" HIGH) VENTILATED, ON 4" TALL CMU/CONCRETE BASE (-/-) |
| TYPE L-9  | FIVE-TIER ATHLETIC LOCKERS (15" X 15" X 60" HIGH), VENTILATED, ON 4" TALL CMU/CONCRETE BASE                       |
| TYPE L-10 | FIVE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 60" HIGH) VENTILATED, ON 4" TALL CMU BASE                  |
| TYPE L-11 | DOUBLE-TIER ATHLETIC LOCKERS (15" X 15" X 60" HIGH), VENTILATED, ON 18" TALL CMU BASE                             |
| TYPE L-12 | DOUBLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 60" HIGH) VENTILATED, ON 18" TALL CMU BASE               |
| TYPE L-13 | DOUBLE-TIER ATHLETIC LOCKERS (24" X 15" X 72" HIGH), VENTILATED, ON 18" TALL CMU BASE                             |
| TYPE L-14 | DOUBLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (24" X 15" X 72" HIGH) VENTILATED, ON 18" TALL CMU BASE               |
- LOCKER NOTES:
1. PROVIDE CONTINUOUS SLOPED TOPS AT ALL LOCKERS (UON)
  2. PROVIDE FILLER PIECES AT ENDS & CORNERS AS REQUIRED
  3. SIZES INDICATED ABOVE REFER TO WIDTH + DEPTH + HEIGHT
  4. LOCKERS TAGGED WITH "A" ARE ACCENT COLOR LOCKERS. SEE SPECIFICATIONS.

PROJECTION SCREEN SCHEDULE

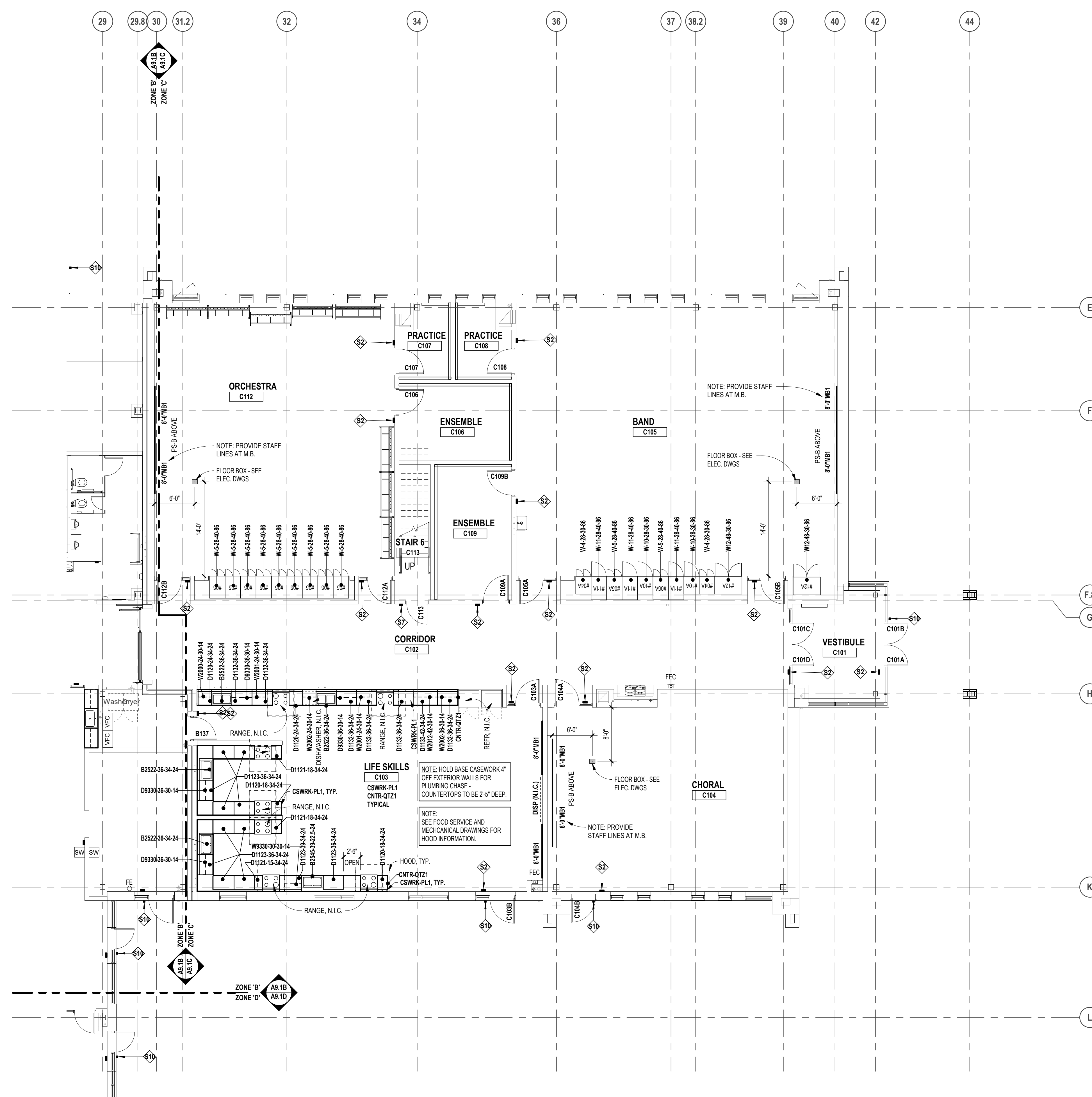
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|------|-------------------|---|
| PSA  | 27'-6" x 14'-9"   | ELECTRICALLY OPERATED, WALL MOUNTED     |
| PS-B | 9'-9" x 6'-6-1/2" | FIXED, WALL MOUNTED                     |
| PC-C | 16'-6" x 10'-4"   | ELECTRICALLY OPERATED, RECESSED MOUNTED |

NOTES:

1. REFER TO ELECTRICAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

INTERIOR SIGNAGE

- THIS IS AN INTERIOR SIGNAGE IDENTIFICATION. REFER TO SPECIFICATIONS FOR INTERIOR SIGNAGE TYPE AND SCHEDULED INFORMATION



FIRST LEVEL CASEWORK AND EQUIPMENT PLAN - ZONE 'C'

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



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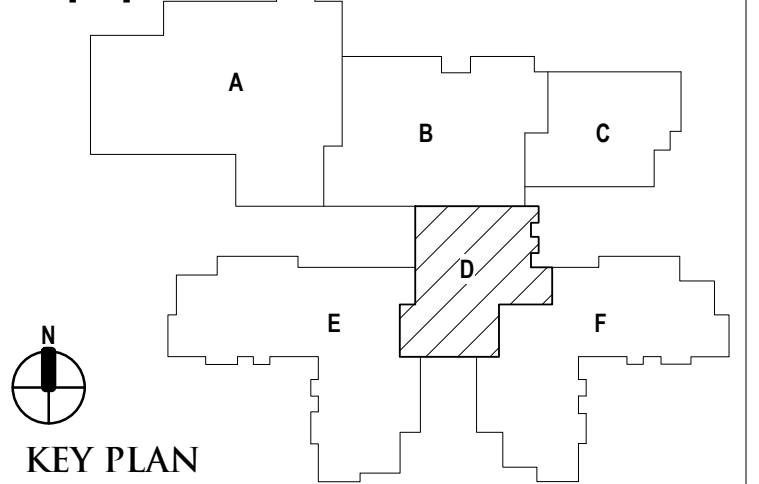
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**First Level Casework & Equipment Plan - Zone 'D'**

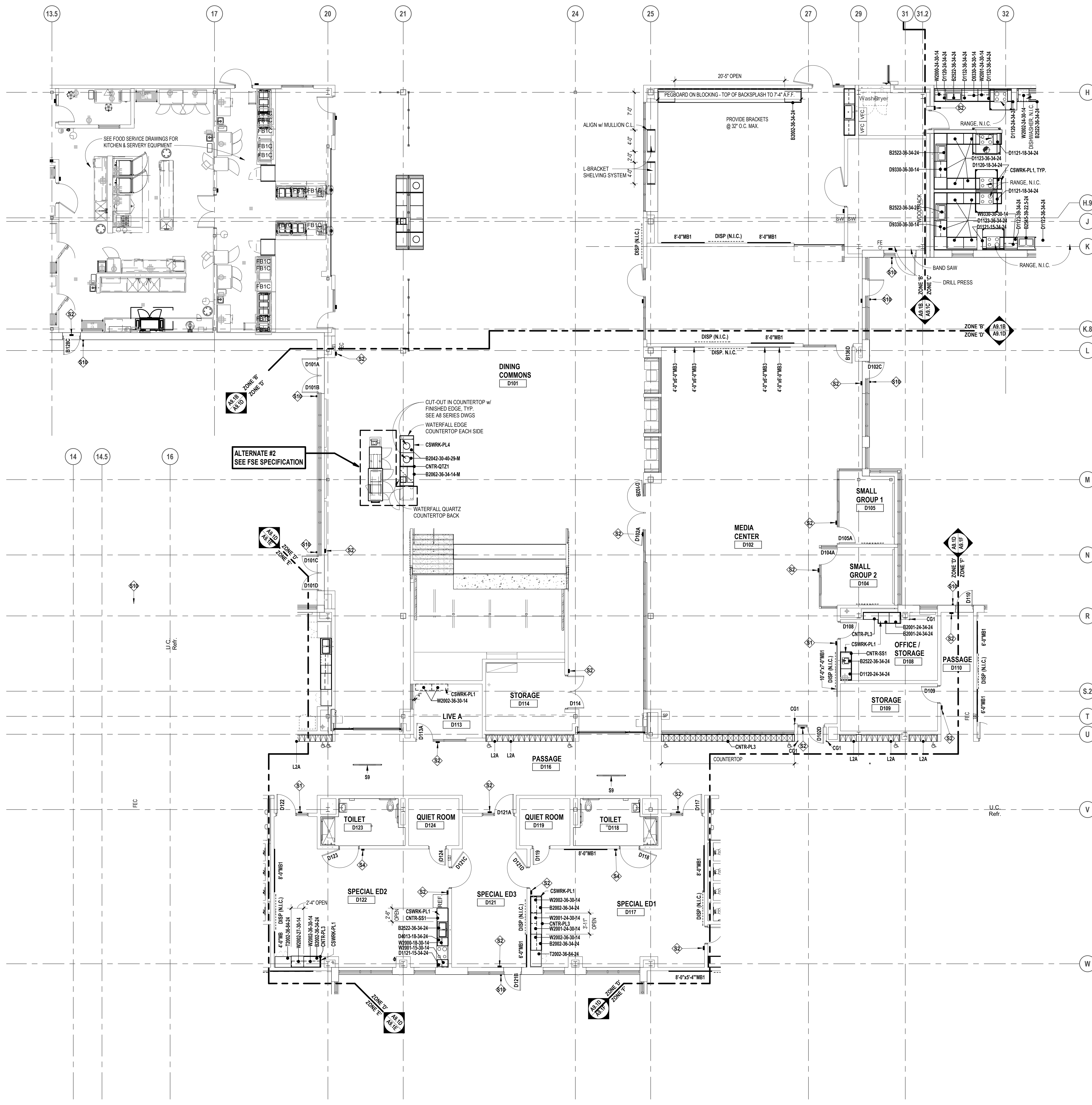


ISSUE DATES

DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS

DRAWN do  
CHECKED jw  
APPROVED dt

PROJECT NO.  
**22102**  
DRAWING NO.  
**A9.1D**



FIRST LEVEL CASEWORK AND EQUIPMENT PLAN - ZONE 'D'  
SCALE: 1/8" = 1'-0"

**LEGEND**

- DISPLAY (BY OTHERS) - WALL OR SUSPENDED MOUNT (BY OTHERS)
- FIRE EXTINGUISHER IN CABINET (FEC)
- FIRE EXTINGUISHER ON WALL BRACKET (FE)
- 7'-0" HIGH (UON) SURFACE MOUNT CORNER GUARD

**VISUAL DISPLAY BOARD NOTES**

TYPE OF BOARD: MB1 = MARKERBOARD, TS = TACKBOARD, TS = TACK STRIP, DISP = DISPLAY (BY OTHERS)

6'-0" MB1 WIDTH OF BOARD/STRIP

HEIGHT OF ALL BOARDS ARE 4'-0" (UON)

**CASEWORK NOTES**

- ALL PREFABRICATED CABINETS INDICATED ARE BASED ON TMI STORAGE SYSTEMS CORPORATION PRODUCTS. REFER TO TMI CATALOG FOR TYPICAL NUMBERING FORMAT.
- ALL TMI CABINETS ARE DESIGNATED USING THE TYPICAL TMI ELEVEN (11) DIGIT NOTATION SYSTEM. THE FIRST FIVE DIGITS ARE THE MODEL NUMBER FOLLOWED BY THREE SETS OF TWO DIGIT NUMBERS FOR THE WIDTH, HEIGHT AND DEPTH.
- WIDTH, HEIGHT AND DEPTH OF PREFABRICATED CABINETS IS INDICATED IN INCHES UNLESS NOTED OTHERWISE. MODEL DIMENSIONS ARE NOMINAL UNLESS SPECIFICALLY NOTED. "0000-00-00-00" INDICATES MODIFIED CASEWORK.
- PROVIDE PLASTIC LAMINATE COUNTERTOPS (WITH BACKEND SPLASHES) AT ALL BASE CABINETS. RADIUS ALL OUTSIDE CORNERS (U.O.N.)
- ALL EXPOSED SURFACES OF CASEWORK TO BE FINISHED, TYPICAL.
- WALL CABINETS (OVER COUNTERS) ARE TYPICALLY MOUNTED AT 7'-4" AFF TO TOP (UON).
- PROVIDE FINISHED END PANELS ON ALL EXPOSED CASEWORK ENDS.
- PROVIDE RESTRAINING CHAINS ON ALL END BASE AND WALL CABINET DOORS WHICH OPEN AGAINST PERPENDICULAR WALLS.
- WHERE CASEWORK IS HELD AWAY FROM WALLS, TO FLUSH-OUT WITH ADJACENT CABINETS, SCRIBE END-FILLER PANELS TO WALLS.
- PROVIDE FILLER PANELS WHERE SHOWN AND/OR OTHERWISE REQUIRED FOR A COMPLETE INSTALLATION.
- PROVIDE LOCKS AT ALL CABINET DOORS AND DRAWERS (U.O.N.)
- MODIFY SINK BASE CABINETS AS REQUIRED TO ACCOMMODATE OVERSIZED SINKS (SEE MECHANICAL FOR OVERSIZED SINK LOCATIONS).
- WHERE BF 3/4" HIGH BASE CABINETS ARE INDICATED, MODIFY CABINET CONSTRUCTION BY REDUCING THE HEIGHT OF ALL COMPARTMENTS EQUALLY (INDICATE ON SHOP DWGS.)
- PROVIDE INTERMEDIATE PLASTIC LAMINATE CLAD SUPPORT PANELS @ 4'-0" OC MAXIMUM AT ALL UNSUPPORTED COUNTER TOPS (UON).
- PROVIDE GROMMETS AT ALL COUNTERS WITH KNEESPACES, WHERE POWERDATA OUTLETS ARE LOCATED BELOW (REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS). UON. PROVIDE (1) ONE GROMMET PER KNEESPACE (UON). FINAL LOCATIONS WILL BE MARKED-UP ON THE SHOP DRAWING SUBMITTAL.
- PROVIDE MOISTURE RESISTANT PARTICLE BOARD AT SINK BASE, COUNTERTOP, AND SPLASH WITHIN 18" OF SINK.
- IN SCIENCE LABS, ACID NEUTRALIZATION TANKS TO BE PROVIDED IN TEACHER DEMONSTRATION TABLES.
- ALL TYPICAL MUSIC WING CABINETS INDICATED ARE BASED ON WENGER CORPORATION PRODUCTS. REFER TO WENGER CATALOG FOR TYPICAL NUMBERING FORMAT.
- ALL WENGER CABINETRY IS DESIGNATED USING THE PREFIX "W-" AND THEN THE WENGER NUMBER SYSTEM.
- ALL SCIENCE CABINETS ARE BASED ON SHELDON PRODUCTS. REFER TO SHELDON CATALOG FOR TYPICAL NUMBER FORMAT.

**LOCKER LEGEND**

- TYPE L-1: SINGLE-TIER STANDARD LOCKERS (12" X 15" X 72" HIGH) VENTILATED, ON METAL Z' BASE
- TYPE L-1: SINGLE-TIER ADA ACCESSIBLE LOCKERS (12" X 15" X 72" HIGH) VENTILATED, ON METAL Z' BASE
- TYPE L-2: DOUBLE-TIER CORRIDOR LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON METAL Z' BASE
- TYPE L-2: DOUBLE-TIER ADA ACCESSIBLE CORRIDOR LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON METAL Z' BASE
- TYPE L-3: SINGLE-TIER STANDARD LOCKERS (12" X 15" X 30" HIGH) VENTILATED, ON METAL Z' BASE
- TYPE L-3: SINGLE-TIER ADA ACCESSIBLE STANDARD LOCKERS (12" X 15" X 30" HIGH) VENTILATED, ON METAL Z' BASE
- TYPE L-4: SINGLE-TIER ATHLETIC LOCKERS (15" X 15" X 72" HIGH), VENTILATED, ON 4" TALL CMU BASE
- TYPE L-4: SINGLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 72" HIGH) VENTILATED, ON 4" TALL CMU/CONCRETE BASE (-/-)
- TYPE L-5: FIVE-TIER ATHLETIC LOCKERS (15" X 15" X 60" HIGH), VENTILATED, ON 4" TALL CMU/CONCRETE BASE
- TYPE L-5: FIVE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 60" HIGH) VENTILATED, ON 4" TALL CMU BASE
- TYPE L-6: DOUBLE-TIER ATHLETIC LOCKERS (15" X 15" X 60" HIGH), VENTILATED, ON 18" TALL CMU BASE
- TYPE L-6: DOUBLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 60" HIGH) VENTILATED, ON 18" TALL CMU BASE
- TYPE L-7: DOUBLE-TIER ATHLETIC LOCKERS (24" X 15" X 72" HIGH), VENTILATED, ON 18" TALL CMU BASE
- TYPE L-7: DOUBLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (24" X 15" X 72" HIGH) VENTILATED, ON 18" TALL CMU BASE

**LOCKER NOTES:**

- PROVIDE CONTINUOUS SLOPED TOPS AT ALL LOCKERS (UON)
- PROVIDE FILLER PIECES AT ENDS & CORNERS AS REQUIRED
- SIZES INDICATED ABOVE REFER TO WIDTH X DEPTH X HEIGHT
- LOCKERS TAGGED WITH "A" ARE ACCENT COLOR LOCKERS. SEE SPECIFICATIONS.

**PROJECTION SCREEN SCHEDULE**

- PSA 22"-6" x 14"-9" ELECTRICALLY OPERATED, WALL MOUNTED
- PS-B 9'-3" x 6'-0"-12" FIXED, WALL MOUNTED
- PC-C 16'-6" x 10'-4" ELECTRICALLY OPERATED, RECESSED MOUNTED

**NOTES:**

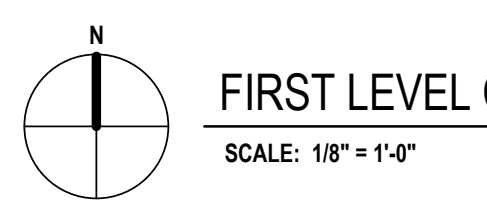
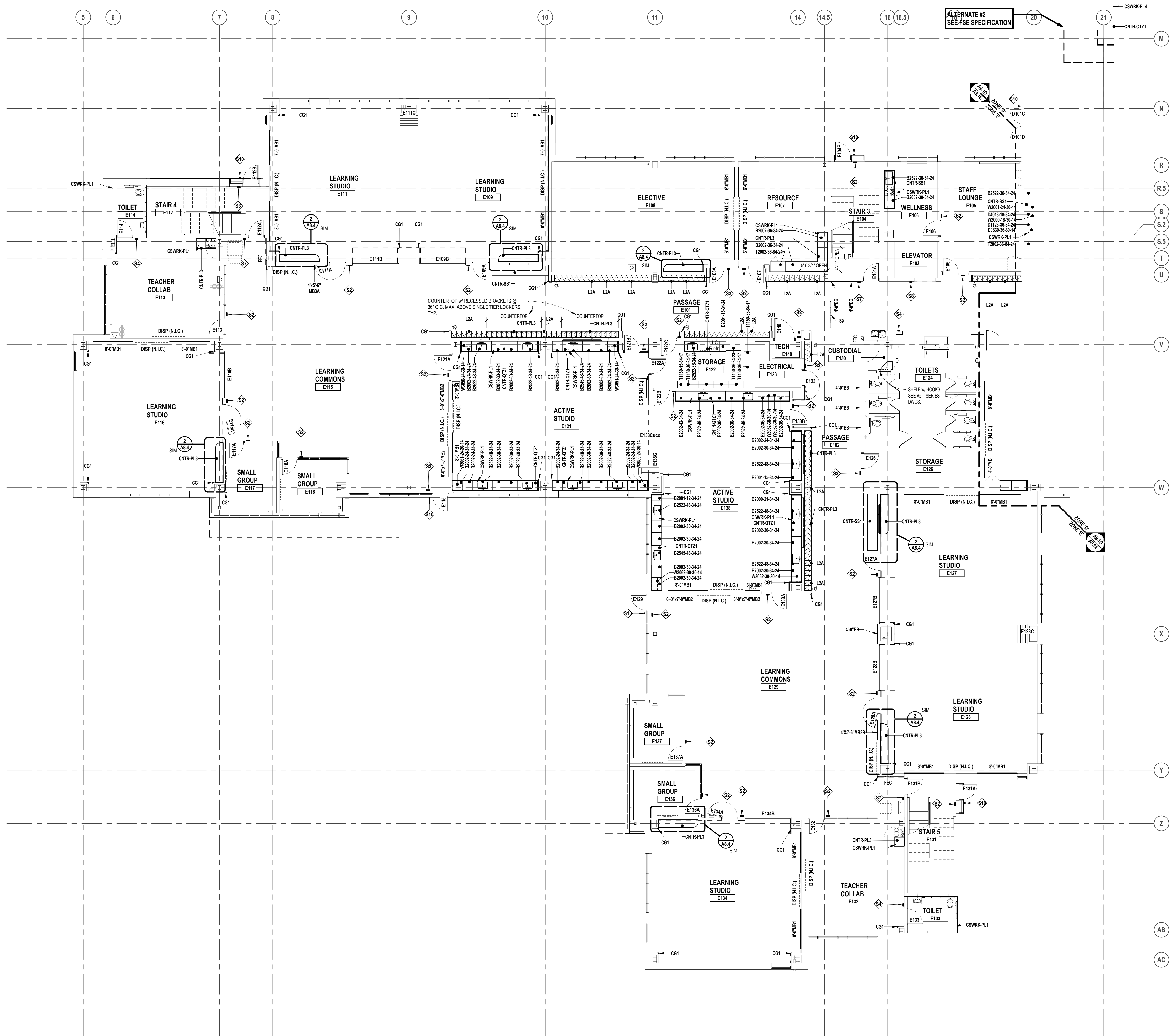
- REFER TO ELECTRICAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

**INTERIOR SIGNAGE**

- THIS IS AN INTERIOR SIGNAGE IDENTIFICATION. REFER TO SPECIFICATIONS FOR INTERIOR SIGNAGE TYPE AND SCHEDULED INFORMATION

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6/26/2024 9:20:57 AM



FIRST LEVEL CASEWORK AND EQUIPMENT PLAN - ZONE 'E'  
SCALE: 1/8" = 1'-0"

**LEGEND**

	DISPLAY (BY OTHERS) - WALL OR SUSPENDED MOUNT (BY OTHERS)
	FIRE EXTINGUISHER IN CABINET (FEC)
	FIRE EXTINGUISHER ON WALL BRACKET (FE)
	7"-0" HIGH (UON) SURFACE MOUNT CORNER GUARD

**VISUAL DISPLAY BOARD NOTES**

**TYPE OF BOARD**

6'-0" MB1

**WIDTH OF BOARD/STRIP**

**HEIGHT OF ALL BOARDS ARE 4'-0" (UON)**

**NOTES:**

1. MB = MARKERBOARD
2. TS = TACKBOARD
3. TS = TACK STRIP
4. DISP = DISPLAY (BY OTHERS)
5. MOUNTING HEIGHTS (UON): MB/TS = 3'-4" AFF TO BOTTOM
6. MAP RAILS SHALL BE CONTINUOUS OVER MARKERBOARDS.
7. ALL MARKERBOARDS SHALL BE PROVIDED WITH TRAYS & MAP RAILS.
8. LEGEND: MB1 = PORCELAIN ENAMEL STEEL HORIZONTAL ORIENTATION, MB2 = PORCELAIN ENAMEL STEEL VERTICAL ORIENTATION, MB3 = MAGNETIC GLASS

**CASEWORK NOTES**

1. ALL PREFABRICATED CABINETS INDICATED ARE BASED ON TMI STORAGE SYSTEMS CORPORATION PRODUCTS. REFER TO TMI CATALOG FOR TYPICAL NUMBERING FORMAT.
2. ALL TMI CABINETS ARE DESIGNATED USING THE TYPICAL TMI ELEVEN (11) DIGIT NOTATION SYSTEM. THE FIRST FIVE DIGITS ARE THE MODEL NUMBER FOLLOWED BY THREE SETS OF TWO DIGIT NUMBERS FOR THE WIDTH, HEIGHT AND DEPTH.
3. WIDTH, HEIGHT AND DEPTH OF PREFABRICATED CABINETS IS INDICATED IN INCHES UNLESS NOTED OTHERWISE. MODEL DIMENSIONS ARE NOMINAL UNLESS SPECIFICALLY NOTED. "0000-00-00-00" INDICATES MODIFIED CASEWORK.
4. PROVIDE PLASTIC LAMINATE COUNTERTOPS (WITH BACKEND SPLASHES) AT ALL BASE CABINETS. RADIUS ALL OUTSIDE CORNERS (U.O.N.)
5. ALL EXPOSED SURFACES OF CASEWORK TO BE FINISHED, TYPICAL.
6. WALL CABINETS (OVER COUNTERS) ARE TYPICALLY MOUNTED AT 7'-4" AFF TO TOP (UON).
7. PROVIDE FINISHED END PANELS ON ALL EXPOSED CASEWORK ENDS.
8. PROVIDE RESTRAINING CHAINS ON ALL END BASE AND WALL CABINET DOORS WHICH OPEN AGAINST PERPENDICULAR WALLS.
9. WHERE CASEWORK IS HELD AWAY FROM WALLS, TO FLUSH-OUT WITH ADJACENT CABINETS, SCRIBE END/FILLER PANELS TO WALLS.
10. PROVIDE FILLER PANELS WHERE SHOWN AND/OR OTHERWISE REQUIRED FOR A COMPLETE INSTALLATION.
11. PROVIDE LOCKS AT ALL CABINET DOORS AND DRAWERS (U.O.N.)
12. MODIFY SINK BASE CABINETS AS REQUIRED TO ACCOMMODATE OVERSIZED SINKS (SEE MECHANICAL FOR OVERSIZED SINK LOCATIONS).
13. WHERE 34" HIGH BASE CABINETS ARE INDICATED, MODIFY CABINET CONSTRUCTION BY REDUCING THE HEIGHT OF ALL COMPARTMENTS EQUALLY (INDICATE ON SHOP DWGS.)
14. PROVIDE INTERMEDIATE PLASTIC LAMINATE CLAD SUPPORT PANELS @ 4'-0" OC MAXIMUM AT ALL UNSUPPORTED COUNTER TOPS (UON).
15. PROVIDE GROMMETS AT ALL COUNTERS WITH KNEESPACES, WHERE POWER DATA OUTLETS ARE LOCATED BELOW (REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS). UON. PROVIDE (1) ONE GROMMET PER KNEESPACE (UON). FINAL LOCATIONS WILL BE MARKED-UP ON THE SHOP DRAWING SUBMITTAL.
16. PROVIDE MOISTURE RESISTANT PARTICLE BOARD AT SINK BASE, COUNTERTOP, AND SPLASH WITHIN 18" OF SINK.
17. IN SCIENCE LABS, ACID NEUTRALIZATION TANKS TO BE PROVIDED IN TEACHER DEMONSTRATION TABLES.
18. ALL TYPICAL MUSIC WING CABINETS INDICATED ARE BASED ON WENGER CORPORATION PRODUCTS. REFER TO WENGER CATALOG FOR TYPICAL NUMBERING FORMAT.
19. ALL WENGER CABINETRY IS DESIGNATED USING THE PREFIX "W-" AND THEN THE WENGER NUMBER SYSTEM.
20. ALL SCIENCE CABINETS ARE BASED ON SHELDON PRODUCTS. REFER TO SHELDON CATALOG FOR TYPICAL NUMBER FORMAT.

**LOCKER LEGEND**

TYPE L-1		SINGLE-TIER STANDARD LOCKERS (12" X 15" X 72" HIGH) VENTILATED, ON METAL 'Z' BASE
TYPE L-2		SINGLE-TIER ADA ACCESSIBLE LOCKERS (12" X 15" X 72" HIGH) VENTILATED, ON METAL 'Z' BASE
TYPE L-3		DOUBLE-TIER CORRIDOR LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON METAL 'Z' BASE
TYPE L-4		DOUBLE-TIER ADA ACCESSIBLE CORRIDOR LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON METAL 'Z' BASE
TYPE L-5		SINGLE-TIER STANDARD LOCKERS (12" X 15" X 30" HIGH) VENTILATED, ON METAL 'Z' BASE
TYPE L-6		SINGLE-TIER ADA ACCESSIBLE STANDARD LOCKERS (12" X 15" X 30" HIGH) VENTILATED, ON METAL 'Z' BASE
TYPE L-7		SINGLE-TIER ATHLETIC LOCKERS (15" X 15" X 72" HIGH), VENTILATED, ON 4" TALL CMU/CONCRETE BASE (- / -)
TYPE L-8		SINGLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 72" HIGH) VENTILATED, ON 4" TALL CMU/CONCRETE BASE (- / -)
TYPE L-9		FIVE-TIER ATHLETIC LOCKERS (15" X 15" X 60" HIGH), VENTILATED, ON 4" TALL CMU/CONCRETE BASE
TYPE L-10		FIVE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 60" HIGH) VENTILATED, ON 4" TALL CMU BASE
TYPE L-11		DOUBLE-TIER ATHLETIC LOCKERS (15" X 15" X 60" HIGH), VENTILATED, ON 18" TALL CMU BASE
TYPE L-12		DOUBLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 60" HIGH) VENTILATED, ON 18" TALL CMU BASE
TYPE L-13		DOUBLE-TIER ATHLETIC LOCKERS (24" X 15" X 72" HIGH), VENTILATED, ON 18" TALL CMU BASE
TYPE L-14		DOUBLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (24" X 15" X 72" HIGH) VENTILATED, ON 18" TALL CMU BASE

**LOCKER NOTES:**

1. PROVIDE CONTINUOUS SLOPED TOPS AT ALL LOCKERS (UON)
2. PROVIDE FILLER PIECES AT ENDS & CORNERS AS REQUIRED
3. SIZES INDICATED ABOVE REFER TO WIDTH x DEPTH x HEIGHT
4. LOCKERS TAGGED WITH "A" ARE ACCENT COLOR LOCKERS. SEE SPECIFICATIONS.

**PROJECTION SCREEN SCHEDULE**

PS-A	22" x 4" x 14" x 9"	ELECTRICALLY OPERATED, WALL MOUNTED
PS-B	9" x 9" x 6" x 12"	FIXED, WALL MOUNTED
PS-C	16" x 6" x 10" x 4"	ELECTRICALLY OPERATED, RECESSED MOUNTED

**NOTES:**

1. REFER TO ELECTRICAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

**INTERIOR SIGNAGE**

THIS IS AN INTERIOR SIGNAGE IDENTIFICATION. REFER TO SPECIFICATIONS FOR INTERIOR SIGNAGE TYPE AND SCHEDULED INFORMATION



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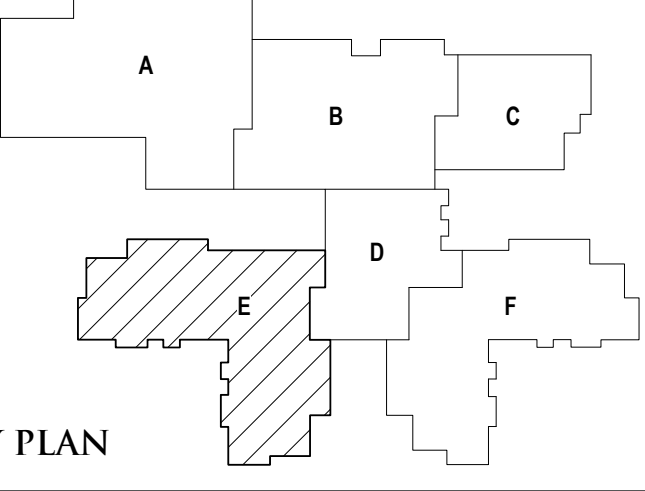
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

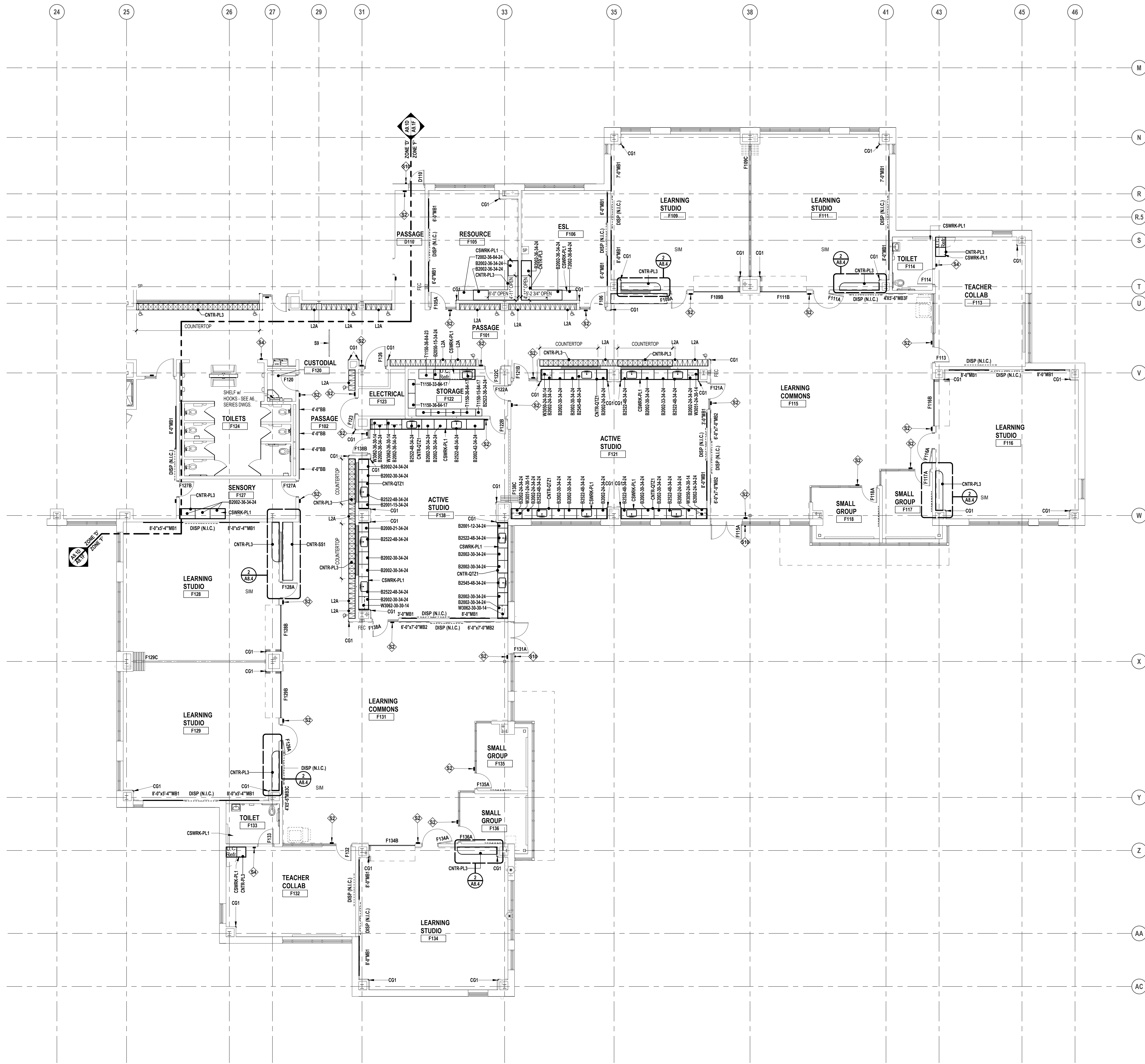
DRAWING TITLE  
**First Level Casework & Equipment Plan - Zone 'E'**



**ISSUE DATES**

06-18-2024	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:
DRAWN	do
CHECKED	ju
APPROVED	dt

PROJECT NO.  
**22102**  
DRAWING NO.  
**A9.1E**



**LEGEND**

- DISP (BY OTHERS) - WALL OR SUSPENDED MOUNT (BY OTHERS)
- FES FIRE EXTINGUISHER IN CABINET (FEC)
- FE FIRE EXTINGUISHER ON WALL BRACKET (FE)
- CG1 7'-0" HIGH (UON) SURFACE MOUNT CORNER GUARD

**VISUAL DISPLAY BOARD NOTES**

TYPE OF BOARD: 6'-0" MB1

NOTES:

1. MB = MARKERBOARD
2. TS = TACKBOARD
3. TS = TACK STRIP
4. DISP = DISPLAY (BY OTHERS)
5. WIDTH OF BOARD/STRIP
6. HEIGHT OF ALL BOARDS ARE 4'-0" (UON)
7. MAP RAILS SHALL BE CONTINUOUS OVER MARKERBOARDS.
8. ALL MARKERBOARDS SHALL BE PROVIDED WITH TRAYS & MAP RAILS.
9. LEGEND: MB1 = PORCELAIN ENAMEL STEEL HORIZONTAL ORIENTATION MB2 = PORCELAIN ENAMEL STEEL VERTICAL ORIENTATION MB3 = MAGNETIC GLASS

**CASEWORK NOTES**

1. ALL PREFABRICATED CABINETS INDICATED ARE BASED ON TMI STORAGE SYSTEMS CORPORATION PRODUCTS. REFER TO TMI CATALOG FOR TYPICAL NUMBERING FORMAT.
2. ALL TMI CABINETS ARE DESIGNATED USING THE TYPICAL TMI ELEVEN (11) DIGIT NOTATION SYSTEM. THE FIRST FIVE DIGITS ARE THE MODEL NUMBER FOLLOWED BY THREE SETS OF TWO DIGIT NUMBERS FOR THE WIDTH, HEIGHT AND DEPTH.
3. WIDTH, HEIGHT AND DEPTH OF PREFABRICATED CABINETS IS INDICATED IN INCHES UNLESS NOTED OTHERWISE. MODEL DIMENSIONS ARE NOMINAL UNLESS SPECIFICALLY NOTED. "0000-00-00-00" INDICATES MODIFIED CASEWORK.
4. PROVIDE PLASTIC LAMINATE COUNTERTOPS (WITH BACKEND SPLASHES) AT ALL BASE CABINETS. RADIUS ALL OUTSIDE CORNERS (U.O.A.)
5. ALL EXPOSED SURFACES OF CASEWORK TO BE FINISHED, TYPICAL.
6. WALL CABINETS (OVER COUNTERS) ARE TYPICALLY MOUNTED AT 7'-4" AFF TO TOP (UON).
7. PROVIDE FINISHED END PANELS ON ALL EXPOSED CASEWORK ENDS.
8. PROVIDE RESTRAINING CHAINS ON ALL END BASE AND WALL CABINET DOORS WHICH OPEN AGAINST PERPENDICULAR WALLS.
9. WHERE CASEWORK IS HELD AWAY FROM WALLS, TO FLUSH-OUT WITH ADJACENT CABINETS, SCRIBE ENDFILLER PANELS TO WALLS.
10. PROVIDE FILLER PANELS WHERE SHOWN AND/OR OTHERWISE REQUIRED FOR A COMPLETE INSTALLATION.
11. PROVIDE LOCKS AT ALL CABINET DOORS AND DRAWERS (U.O.A.)
12. MODIFY SINK BASE CABINETS AS REQUIRED TO ACCOMMODATE OVERSIZED SINKS (SEE MECHANICAL FOR OVERSIZED SINK LOCATIONS).
13. WHERE 34" HIGH BASE CABINETS ARE INDICATED, MODIFY CABINET CONSTRUCTION BY REDUCING THE HEIGHT OF ALL COMPARTMENTS EQUALLY (INDICATE ON SHOP DWGS.)
14. PROVIDE INTERMEDIATE PLASTIC LAMINATE CLAD SUPPORT PANELS @ 4'-0" OC MAXIMUM AT ALL UNSUPPORTED COUNTER TOPS (UON).
15. PROVIDE GROMMETS AT ALL COUNTERS WITH KNEESPACES, WHERE POWER DATA OUTLETS ARE LOCATED BELOW (REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS). UON. PROVIDE (1) ONE GROMMET PER KNEESPACE (UON). FINAL LOCATIONS WILL BE MARKED-UP ON THE SHOP DRAWING SUBMITTAL.
16. PROVIDE MOISTURE RESISTANT PARTICULATE BOARD AT SINK BASE, COUNTERTOP, AND SPLASH WITHIN 18" OF SINK.
17. IN SCIENCE LABS, ACID NEUTRALIZATION TANKS TO BE PROVIDED IN TEACHER DEMONSTRATION TABLES.
18. ALL TYPICAL MUSIC WING CABINETS INDICATED ARE BASED ON WENGER CORPORATION PRODUCTS. REFER TO WENGER CATALOG FOR TYPICAL NUMBERING FORMAT.
19. ALL WENGER CABINETRY IS DESIGNATED USING THE PREFIX "W-" AND THEN THE WENGER NUMBER SYSTEM.
20. ALL SCIENCE CABINETS ARE BASED ON SHELDON PRODUCTS. REFER TO SHELDON CATALOG FOR TYPICAL NUMBER FORMAT.

**LOCKER LEGEND**

TYPE L-1	SINGLE-TIER STANDARD LOCKERS (12" X 15" X 72" HIGH) VENTILATED, ON METAL "Z" BASE
TYPE L-2	SINGLE-TIER ADA ACCESSIBLE LOCKERS (12" X 15" X 72" HIGH) VENTILATED, ON METAL "Z" BASE
TYPE L-3	DOUBLE-TIER CORRIDOR LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON METAL "Z" BASE
TYPE L-4	DOUBLE-TIER ADA ACCESSIBLE CORRIDOR LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON METAL "Z" BASE
TYPE L-5	SINGLE-TIER STANDARD LOCKERS (12" X 15" X 30" HIGH) VENTILATED, ON METAL "Z" BASE
TYPE L-6	SINGLE-TIER ADA ACCESSIBLE STANDARD LOCKERS (12" X 15" X 30" HIGH) VENTILATED, ON METAL "Z" BASE
TYPE L-7	SINGLE-TIER ATHLETIC LOCKERS (15" X 15" X 72" HIGH), VENTILATED, ON 4" TALL CMU BASE
TYPE L-8	SINGLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 72" HIGH) VENTILATED, ON 4" TALL CMU CONCRETE BASE (- / -)
TYPE L-9	FIVE-TIER ATHLETIC LOCKERS (15" X 15" X 60" HIGH), VENTILATED, ON 4" TALL CMU CONCRETE BASE
TYPE L-10	FIVE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 60" HIGH) VENTILATED, ON 4" TALL CMU BASE
TYPE L-11	DOUBLE-TIER ATHLETIC LOCKERS (15" X 15" X 60" HIGH), VENTILATED, ON 18" TALL CMU BASE
TYPE L-12	DOUBLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 60" HIGH) VENTILATED, ON 18" TALL CMU BASE
TYPE L-13	DOUBLE-TIER ATHLETIC LOCKERS (24" X 15" X 72" HIGH), VENTILATED, ON 18" TALL CMU BASE
TYPE L-14	DOUBLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (24" X 15" X 72" HIGH) VENTILATED, ON 18" TALL CMU BASE

**LOCKER NOTES:**

1. PROVIDE CONTINUOUS SLOPED TOPS AT ALL LOCKERS (UON)
2. PROVIDE FILLER PIECES AT ENDS & CORNERS AS REQUIRED
3. SIZES INDICATED ABOVE REFER TO WIDTH x DEPTH x HEIGHT
4. LOCKERS TAGGED WITH "A" ARE ACCENT COLOR LOCKERS. SEE SPECIFICATIONS.

**PROJECTION SCREEN SCHEDULE**

PS-A	22'-0" x 14'-0"	ELECTRICALLY OPERATED, WALL MOUNTED
PS-B	9'-0" x 6'-0"	FIXED, WALL MOUNTED
PS-C	16'-0" x 10'-0"	ELECTRICALLY OPERATED, RECESSED MOUNTED

**NOTES:**

1. REFER TO ELECTRICAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

**INTERIOR SIGNAGE**

THIS IS AN INTERIOR SIGNAGE IDENTIFICATION. REFER TO SPECIFICATIONS FOR INTERIOR SIGNAGE TYPE AND SCHEDULED INFORMATION



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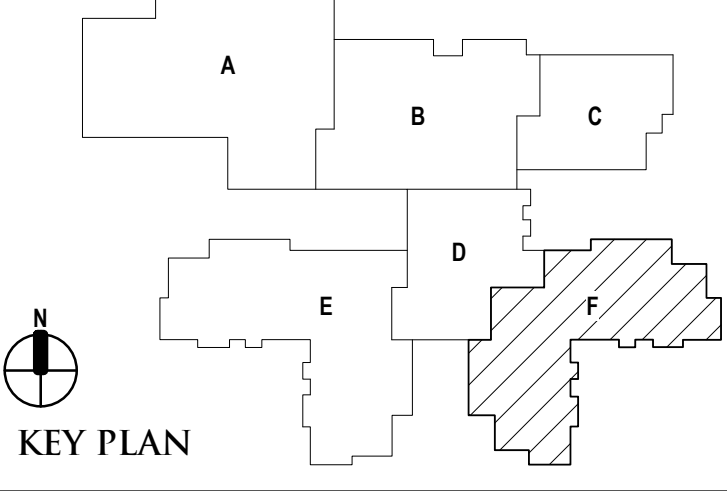
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**First Level Casework & Equipment Plan - Zone F'**



ISSUE DATES

6/6/2024	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:
DRAWN:	do
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APPROVED:	dt

PROJECT NO.  
**22102**  
DRAWING NO.  
**A9.1F**





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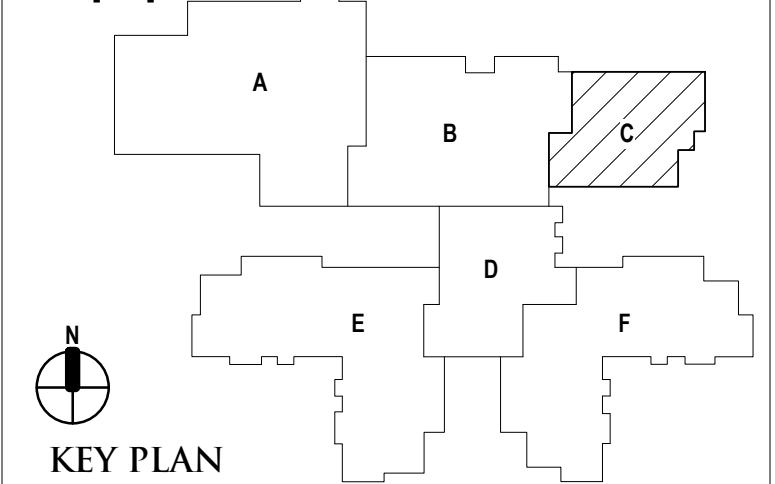
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Mezzanine Level Casework &  
Equipment Plan - Zone 'C'**



ISSUE DATES

96-16-2024 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN do

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PROJECT NO.

**22102**

DRAWING NO.

**A9.2C**

**LEGEND**

- DISPLAY (BY OTHERS) - WALL OR SUSPENDED MOUNT (BY OTHERS)
- FES - FIRE EXTINGUISHER IN CABINET (FEC)
- FE - FIRE EXTINGUISHER ON WALL BRACKET (FE)
- CG1 - 7'-0" HIGH (UON) SURFACE MOUNT CORNER GUARD

**VISUAL DISPLAY BOARD NOTES**

- TYPE OF BOARD
- 6'-0" MB1 - WIDTH OF BOARD/STRIP
- HEIGHT OF ALL BOARDS ARE 4'-0" (UON)
- NOTES:
  - 1. MB = MARKERBOARD
  - TS = TACKBOARD
  - TS = TACK STRIP
  - DSP = DISPLAY (BY OTHERS)
- 2. MOUNTING HEIGHTS (UON):
  - MB/TS = 3'-0" AFF TO BOTTOM
- 3. MAP RAILS SHALL BE CONTINUOUS OVER MARKERBOARDS.
- 4. ALL MARKERBOARDS SHALL BE PROVIDED WITH TRAYS & MAP RAILS.
- 5. LEGEND:
  - MB1 = PORCELAIN ENAMEL STEEL HORIZONTAL ORIENTATION
  - MB2 = PORCELAIN ENAMEL STEEL VERTICAL ORIENTATION
  - MB3 = MAGNETIC GLASS

**CASEWORK NOTES**

- 1. ALL PREFABRICATED CABINETS INDICATED ARE BASED ON TMI STORAGE SYSTEMS CORPORATION PRODUCTS. REFER TO TMI CATALOG FOR TYPICAL NUMBERING FORMAT.
- 2. ALL TMI CABINETS ARE DESIGNATED USING THE TYPICAL TMI ELEVEN (11) DIGIT NOTATION SYSTEM. THE FIRST FIVE DIGITS ARE THE MODEL NUMBER FOLLOWED BY THREE SETS OF TWO DIGIT NUMBERS FOR THE WIDTH, HEIGHT AND DEPTH.
- 3. WIDTH, HEIGHT AND DEPTH OF PREFABRICATED CABINETS IS INDICATED IN INCHES. UNLESS NOTED OTHERWISE. MODEL DIMENSIONS ARE NOMINAL, UNLESS SPECIFICALLY NOTED. "0000-00-00-00" INDICATES MODIFIED CASEWORK.
- 4. PROVIDE PLASTIC LAMINATE COUNTERTOPS (WITH BACKEND SPLASHES) AT ALL BASE CABINETS. RADIUS ALL OUTSIDE CORNERS (U.O.N.)
- 5. ALL EXPOSED SURFACES OF CASEWORK TO BE FINISHED, TYPICAL.
- 6. WALL CABINETS (OVER COUNTERS) ARE TYPICALLY MOUNTED AT 7'-4" AFF TO TOP (UON).
- 7. PROVIDE FINISHED END PANELS ON ALL EXPOSED CASEWORK ENDS.
- 8. PROVIDE RESTRAINING CHAINS ON ALL END BASE AND WALL CABINET DOORS WHICH OPEN AGAINST PERPENDICULAR WALLS.
- 9. WHERE CASEWORK IS HELD AWAY FROM WALLS, TO FLUSH-OUT WITH ADJACENT CABINETS, SCRIBE ENDFILLER PANELS TO WALLS.
- 10. PROVIDE FILLER PANELS WHERE SHOWN AND/OR OTHERWISE REQUIRED FOR A COMPLETE INSTALLATION.
- 11. PROVIDE LOCKS AT ALL CABINET DOORS AND DRAWERS (U.O.N.)
- 12. MODIFY SINK BASE CABINETS AS REQUIRED TO ACCOMMODATE OVERSIZED SINKS (SEE MECHANICAL FOR OVERSIZED SINK LOCATIONS).
- 13. WHERE 34" HIGH BASE CABINETS ARE INDICATED, MODIFY CABINET CONSTRUCTION BY REDUCING THE HEIGHT OF ALL COMPARTMENTS EQUALLY (INDICATE ON SHOP DWGS.)
- 14. PROVIDE INTERMEDIATE PLASTIC LAMINATE CLAD SUPPORT PANELS @ 4'-0" OC MAXIMUM AT ALL UNSUPPORTED COUNTER TOPS (UON).
- 15. PROVIDE GROMMETS AT ALL COUNTERS WITH KNEESPACES, WHERE POWERDATA OUTLETS ARE LOCATED BELOW (REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS). UON. PROVIDE (1) ONE GROMMET PER KNEESPACE (UON). FINAL LOCATIONS WILL BE MARKED-UP ON THE SHOP DRAWING SUBMITTAL.
- 16. PROVIDE MOISTURE RESISTANT PARTICLE BOARD AT SINK BASE, COUNTERTOP, AND SPLASH WITHIN 18" OF SINK.
- 17. IN SCIENCE LABS, ACID NEUTRALIZATION TANKS TO BE PROVIDED IN TEACHER DEMONSTRATION TABLES.
- 18. ALL TYPICAL MUSIC WING CABINETS INDICATED ARE BASED ON WENGER CORPORATION PRODUCTS. REFER TO WENGER CATALOG FOR TYPICAL NUMBERING FORMAT.
- 19. ALL WENGER CABINETS IS DESIGNATED USING THE PREFIX "W-" AND THEN THE WENGER NUMBER SYSTEM.
- 20. ALL SCIENCE CABINETS ARE BASED ON SHELDON PRODUCTS. REFER TO SHELDON CATALOG FOR TYPICAL NUMBER FORMAT.

**LOCKER LEGEND**

- L-1 SINGLE-TIER STANDARD LOCKERS (12" X 15" X 72" HIGH) VENTILATED, ON METAL 'Z' BASE
- L-1 SINGLE-TIER ADA ACCESSIBLE LOCKERS (12" X 15" X 72" HIGH) VENTILATED, ON METAL 'Z' BASE
- L-2 DOUBLE-TIER CORRIDOR LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON METAL 'Z' BASE
- L-2 DOUBLE-TIER ADA ACCESSIBLE CORRIDOR LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON METAL 'Z' BASE
- L-3 SINGLE-TIER STANDARD LOCKERS (12" X 15" X 30" HIGH) VENTILATED, ON METAL 'Z' BASE
- L-3 SINGLE-TIER ADA ACCESSIBLE STANDARD LOCKERS (12" X 15" X 30" HIGH) VENTILATED, ON METAL 'Z' BASE
- L-4 SINGLE-TIER ATHLETIC LOCKERS (15" X 15" X 72" HIGH), VENTILATED, ON 4" TALL CMU BASE
- L-4 SINGLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 72" HIGH) VENTILATED, ON 4" TALL CMU/CONCRETE BASE ( - / - )
- L-5 FIVE-TIER ATHLETIC LOCKERS (15" X 15" X 60" HIGH), VENTILATED, ON 4" TALL CMU/CONCRETE BASE
- L-5 FIVE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 60" HIGH) VENTILATED, ON 4" TALL CMU BASE
- L-6 DOUBLE-TIER ATHLETIC LOCKERS (15" X 15" X 60" HIGH), VENTILATED, ON 18" TALL CMU BASE
- L-6 DOUBLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 60" HIGH) VENTILATED, ON 18" TALL CMU BASE
- L-7 DOUBLE-TIER ATHLETIC LOCKERS (24" X 15" X 72" HIGH), VENTILATED, ON 18" TALL CMU BASE
- L-7 DOUBLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (24" X 15" X 72" HIGH) VENTILATED, ON 18" TALL CMU BASE

**LOCKER NOTES:**

- 1. PROVIDE CONTINUOUS SLOPED TOPS AT ALL LOCKERS (UON)
- 2. PROVIDE FILLER PIECES AT ENDS & CORNERS AS REQUIRED
- 3. SIZES INDICATED ABOVE REFER TO WIDTH x DEPTH x HEIGHT
- 4. LOCKERS TAGGED WITH "A" ARE ACCENT COLOR LOCKERS. SEE SPECIFICATIONS.

**PROJECTION SCREEN SCHEDULE**

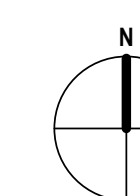
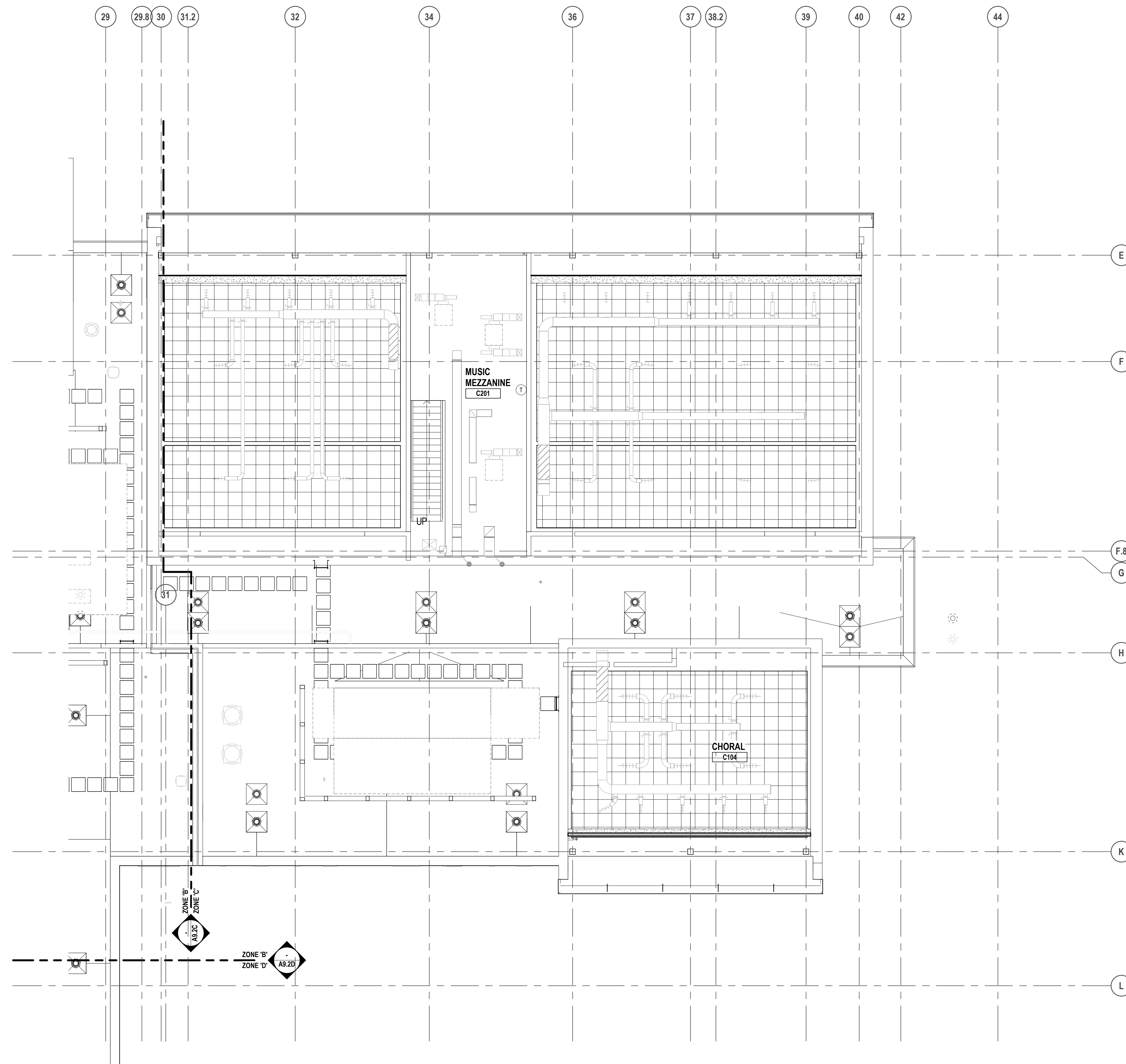
- PS-A 27'-6" X 14'-6" ELECTRICALLY OPERATED, WALL MOUNTED
- PS-B 9'-3" X 6'-6" FIXED, WALL MOUNTED
- PS-C 16'-6" X 10'-4" ELECTRICALLY OPERATED, RECESSED MOUNTED

**NOTES:**

- 1. REFER TO ELECTRICAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

**INTERIOR SIGNAGE**

- THIS IS AN INTERIOR SIGNAGE IDENTIFICATION. REFER TO SPECIFICATIONS FOR INTERIOR SIGNAGE TYPE AND SCHEDULED INFORMATION



**MEZZANINE LEVEL CASEWORK & EQUIPMENT PLAN - ZONE 'C'**  
SCALE: 1/8" = 1'-0"



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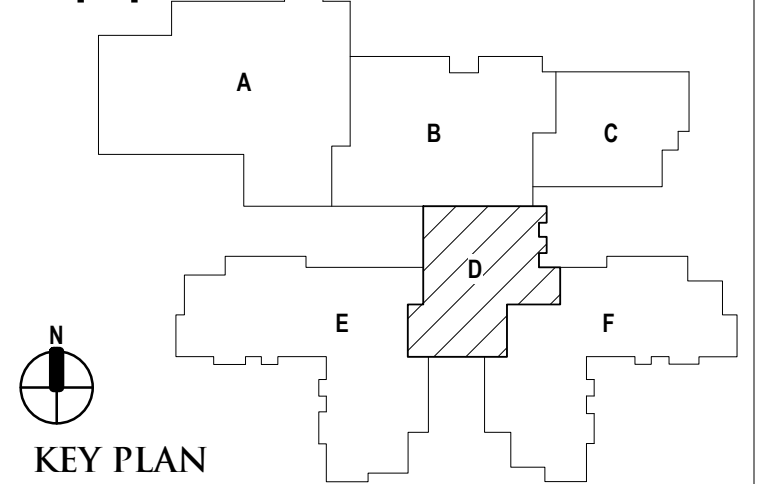
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Second Level Casework &  
Equipment Plan - Zone 'D'**



ISSUE DATES

DATE	ISSUED FOR:

96-18-2024 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

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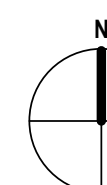
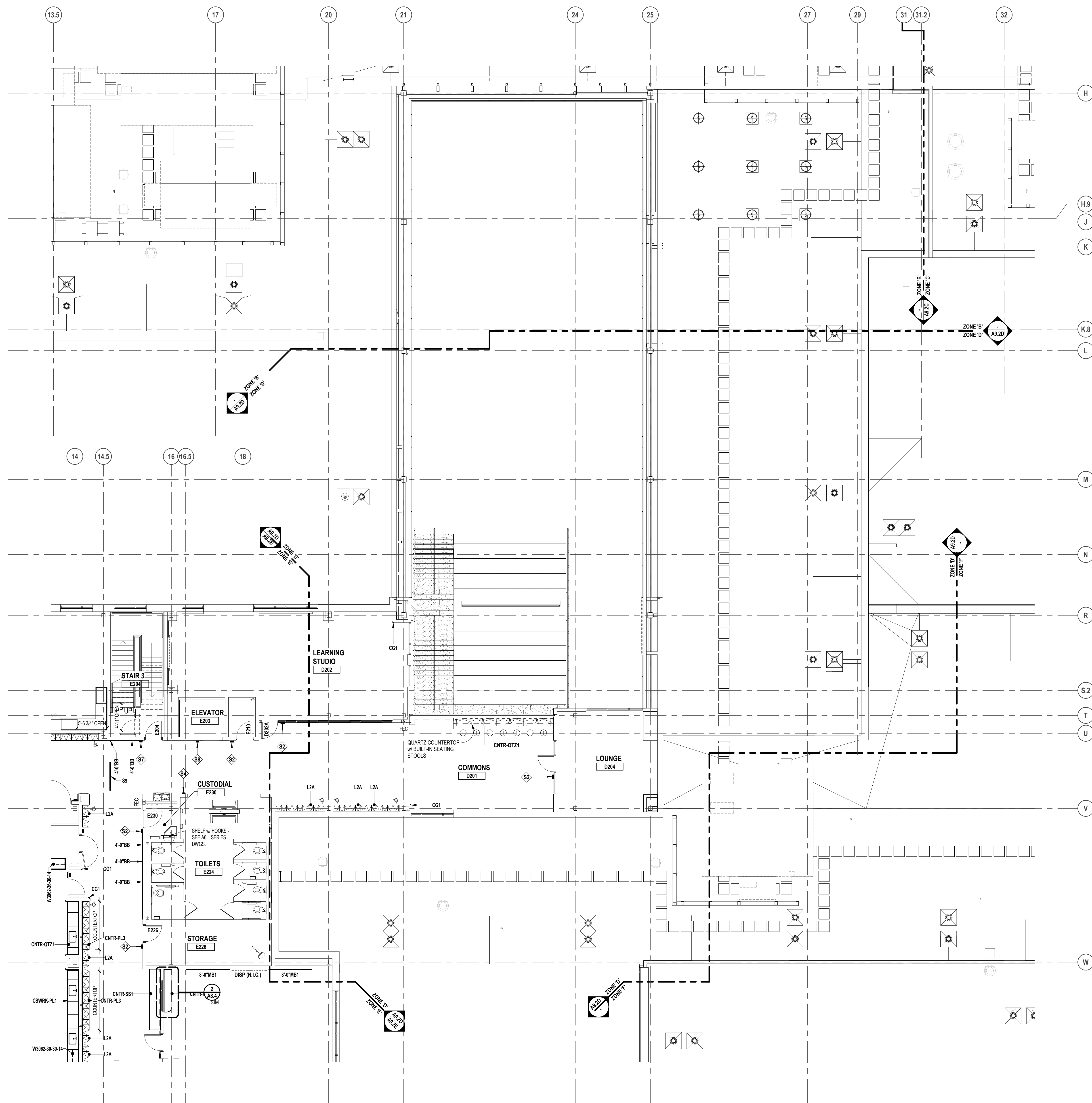
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PROJECT NO.

**22102**

DRAWING NO.

**A9.2D**



SECOND FLOOR CASEWORK PLAN - ZONE 'D'

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

**LEGEND**

- DISPLAY (BY OTHERS) - WALL OR SUSPENDED MOUNT (BY OTHERS)
- FES, FEC FIRE EXTINGUISHER IN CABINET (FEC)
- FE FIRE EXTINGUISHER ON WALL BRACKET (FE)
- CG1 7'-0" HIGH (UON) SURFACE MOUNT CORNER GUARD

**VISUAL DISPLAY BOARD NOTES**

- TYPE OF BOARD**
- 1 MB = MARKERBOARD
  - TS = TACKBOARD
  - TS = TACK STRIP
  - DISP = DISPLAY (BY OTHERS)
- NOTES:**
1. MOUNTING HEIGHTS (UON): MB/TS = 3'-4" AFF TO BOTTOM
  2. MAP RAILS SHALL BE CONTINUOUS OVER MARKERBOARDS.
  3. ALL MARKERBOARDS SHALL BE PROVIDED WITH TRAYS & MAP RAILS.
  4. ALL MARKERBOARDS SHALL BE PROVIDED WITH TRAYS & MAP RAILS.
  5. LEGEND:  
MB1 = PORCELAIN ENAMEL STEEL HORIZONTAL ORIENTATION  
MB2 = PORCELAIN ENAMEL STEEL VERTICAL ORIENTATION  
MB3 = MAGNETIC GLASS

**CASEWORK NOTES**

1. ALL PREFABRICATED CABINETS INDICATED ARE BASED ON TMI STORAGE SYSTEMS CORPORATION PRODUCTS. REFER TO TMI CATALOG FOR TYPICAL NUMBERING FORMAT.
2. ALL TMI CABINETS ARE DESIGNATED USING THE TYPICAL TMI ELEVEN (11) DIGIT NOTATION SYSTEM. THE FIRST FIVE DIGITS ARE THE MODEL NUMBER FOLLOWED BY THREE SETS OF TWO DIGIT NUMBERS FOR THE WIDTH, HEIGHT AND DEPTH.
3. WIDTH, HEIGHT AND DEPTH OF PREFABRICATED CABINETS IS INDICATED IN INCHES UNLESS NOTED OTHERWISE. MODEL DIMENSIONS ARE NOMINAL UNLESS SPECIFICALLY NOTED. "0000-00-00-00" INDICATES MODIFIED CASEWORK.
4. PROVIDE PLASTIC LAMINATE COUNTERTOPS (WITH BACKEND SPLASHES) AT ALL BASE CABINETS. RADIUS ALL OUTSIDE CORNERS (U.O.N.)
5. ALL EXPOSED SURFACES OF CASEWORK TO BE FINISHED, TYPICAL.
6. WALL CABINETS (OVER COUNTERS) ARE TYPICALLY MOUNTED AT 7'-4" AFF TO TOP (UON).
7. PROVIDE FINISHED END PANELS ON ALL EXPOSED CASEWORK ENDS.
8. PROVIDE RESTRAINING CHAINS ON ALL END BASE AND WALL CABINET DOORS WHICH OPEN AGAINST PERPENDICULAR WALLS.
9. WHERE CASEWORK IS HELD AWAY FROM WALLS, TO FLUSH-OUT WITH ADJACENT CABINETS, SCRIBE END-FILLER PANELS TO WALLS.
10. PROVIDE FILLER PANELS WHERE SHOWN AND/OR OTHERWISE REQUIRED FOR A COMPLETE INSTALLATION.
11. PROVIDE LOCKS AT ALL CABINET DOORS AND DRAWERS (U.O.N.)
12. MODIFY SINK BASE CABINETS AS REQUIRED TO ACCOMMODATE OVERSIZED SINKS (SEE MECHANICAL FOR OVERSIZED SINK LOCATIONS).
13. WHERE 34" HIGH BASE CABINETS ARE INDICATED, MODIFY CABINET CONSTRUCTION BY REDUCING THE HEIGHT OF ALL COMPARTMENTS EQUALLY (INDICATE ON SHOP DWGS.)
14. PROVIDE INTERMEDIATE PLASTIC LAMINATE CLAD SUPPORT PANELS @ 4'-0" OC MAXIMUM AT ALL UNSUPPORTED COUNTER TOPS (UON).
15. PROVIDE GROMMETS AT ALL COUNTERS WITH KNEESPACES, WHERE POWERDATA OUTLETS ARE LOCATED BELOW (REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS). UON. PROVIDE (1) ONE GROMMET PER KNEESPACE (UON). FINAL LOCATIONS WILL BE MARKED-UP ON THE SHOP DRAWING SUBMITTAL.
16. PROVIDE MOISTURE RESISTANT PARTICLE BOARD AT SINK BASE, COUNTERTOP, AND SPLASH WITHIN 18" OF SINK.
17. IN SCIENCE LABS, ACID NEUTRALIZATION TANKS TO BE PROVIDED IN TEACHER DEMONSTRATION TABLES.
18. ALL TYPICAL MUSIC WING CABINETS INDICATED ARE BASED ON WENGER CORPORATION PRODUCTS. REFER TO WENGER CATALOG FOR TYPICAL NUMBERING FORMAT.
19. ALL WENGER CABINETRY IS DESIGNATED USING THE PREFIX "W-" AND THEN THE WENGER NUMBER SYSTEM.
20. ALL SCIENCE CABINETS ARE BASED ON SHELTON PRODUCTS. REFER TO SHELTON CATALOG FOR TYPICAL NUMBER FORMAT.

**LOCKER LEGEND**

- |          |   |
|----------|---|
| TYPE L-1 | SINGLE-TIER STANDARD LOCKERS (12" X 15" X 72" HIGH) VENTILATED, ON METAL 'Z' BASE                                   |
| TYPE L-1 | SINGLE-TIER ADA ACCESSIBLE LOCKERS (12" X 15" X 72" HIGH) VENTILATED, ON METAL 'Z' BASE                             |
| TYPE L-2 | DOUBLE-TIER CORRIDOR LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON METAL 'Z' BASE                                   |
| TYPE L-2 | DOUBLE-TIER ADA ACCESSIBLE CORRIDOR LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON METAL 'Z' BASE                    |
| TYPE L-3 | SINGLE-TIER STANDARD LOCKERS (12" X 15" X 30" HIGH) VENTILATED, ON METAL 'Z' BASE                                   |
| TYPE L-3 | SINGLE-TIER ADA ACCESSIBLE STANDARD LOCKERS (12" X 15" X 30" HIGH) VENTILATED, ON METAL 'Z' BASE                    |
| TYPE L-4 | SINGLE-TIER ATHLETIC LOCKERS (15" X 15" X 72" HIGH), VENTILATED, ON 4" TALL CMU BASE                                |
| TYPE L-4 | SINGLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 72" HIGH) VENTILATED, ON 4" TALL CMU CONCRETE BASE (- / -) |
| TYPE L-5 | FIVE-TIER ATHLETIC LOCKERS (15" X 15" X 60" HIGH), VENTILATED, ON 4" TALL CMU CONCRETE BASE                         |
| TYPE L-5 | FIVE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 60" HIGH) VENTILATED, ON 4" TALL CMU BASE                    |
| TYPE L-6 | DOUBLE-TIER ATHLETIC LOCKERS (15" X 15" X 60" HIGH), VENTILATED, ON 18" TALL CMU BASE                               |
| TYPE L-6 | DOUBLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 60" HIGH) VENTILATED, ON 18" TALL CMU BASE                 |
| TYPE L-7 | DOUBLE-TIER ATHLETIC LOCKERS (24" X 15" X 72" HIGH), VENTILATED, ON 18" TALL CMU BASE                               |
| TYPE L-7 | DOUBLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (24" X 15" X 72" HIGH) VENTILATED, ON 18" TALL CMU BASE                 |
- LOCKER NOTES:**
1. PROVIDE CONTINUOUS SLOPED TOPS AT ALL LOCKERS (UON)
  2. PROVIDE FILLER PIECES AT ENDS & CORNERS AS REQUIRED
  3. SIZES INDICATED ABOVE REFER TO WIDTH x DEPTH x HEIGHT
  4. LOCKERS TAGGED WITH "A" ARE ACCENT COLOR LOCKERS. SEE SPECIFICATIONS.

**PROJECTION SCREEN SCHEDULE**

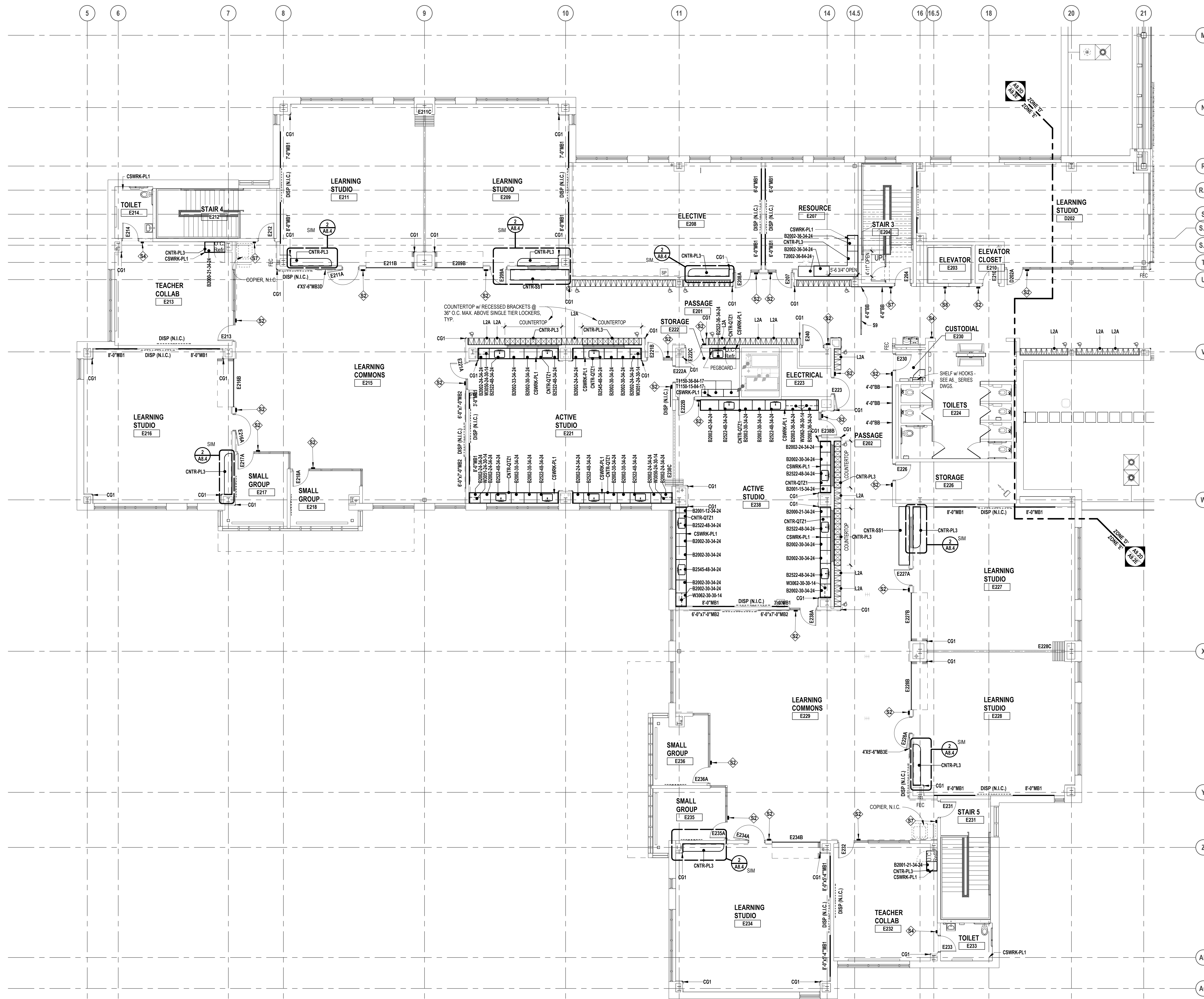
- PS-A 22"-6" x 14'-9" ELECTRICALLY OPERATED, WALL MOUNTED
- PS-B 9'-3" x 6'-0-1/2" FIXED, WALL MOUNTED
- PC-C 16'-6" x 10'-4" ELECTRICALLY OPERATED, RECESSED HUNG

**NOTES:**

1. REFER TO ELECTRICAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

**INTERIOR SIGNAGE**

THIS IS AN INTERIOR SIGNAGE IDENTIFICATION. REFER TO SPECIFICATIONS FOR INTERIOR SIGNAGE TYPE AND SCHEDULED INFORMATION



**LEGEND**

- DISP (BY OTHERS) - WALL OR SUSPENDED MOUNT (BY OTHERS)
- FIRE EXTINGUISHER IN CABINET (FEC)
- FIRE EXTINGUISHER ON WALL BRACKET (FE)
- 7'-0" HIGH (UON) SURFACE MOUNT CORNER GUARD

**VISUAL DISPLAY BOARD NOTES**

TYPE OF BOARD: 6'-0" MB1

NOTES:

- MB = MARKERBOARD
- TS = TACKBOARD
- TS = TACK STRIP
- DISP = DISPLAY (BY OTHERS)
- WIDTH OF BOARD/STRIP
- HEIGHT OF ALL BOARDS ARE 4'-0" (UON)
- MAP RAILS SHALL BE CONTINUOUS OVER MARKERBOARDS.
- ALL MARKERBOARDS SHALL BE PROVIDED WITH TRAYS & MAP RAILS.
- LEGEND: MB1 = PORCELAIN ENAMEL STEEL HORIZONTAL ORIENTATION MB2 = PORCELAIN ENAMEL STEEL VERTICAL ORIENTATION MB3 = MAGNETIC GLASS

**CASEWORK NOTES**

- ALL PREFABRICATED CABINETS INDICATED ARE BASED ON TMI STORAGE SYSTEMS CORPORATION PRODUCTS. REFER TO TMI CATALOG FOR TYPICAL NUMBERING FORMAT.
- ALL TMI CABINETS ARE DESIGNATED USING THE TYPICAL TMI ELEVEN (11) DIGIT NOTATION SYSTEM. THE FIRST FIVE DIGITS ARE THE MODEL NUMBER FOLLOWED BY THREE SETS OF TWO DIGIT NUMBERS FOR THE WIDTH, HEIGHT AND DEPTH.
- WIDTH, HEIGHT AND DEPTH OF PREFABRICATED CABINETS IS INDICATED IN INCHES UNLESS NOTED OTHERWISE. MODEL DIMENSIONS ARE NOMINAL UNLESS SPECIFICALLY NOTED. "0000-00-00-00" INDICATES MODIFIED CASEWORK.
- PROVIDE PLASTIC LAMINATE COUNTERTOPS (WITH BACKEND SPLASHES) AT ALL BASE CABINETS. RADIUS ALL OUTSIDE CORNERS (U.O.N.)
- ALL EXPOSED SURFACES OF CASEWORK TO BE FINISHED, TYPICAL.
- WALL CABINETS (OVER COUNTERS) ARE TYPICALLY MOUNTED AT 7'-4" AFF TO TOP (UON).
- PROVIDE FINISHED END PANELS ON ALL EXPOSED CASEWORK ENDS.
- PROVIDE RESTRAINING CHAINS ON ALL END BASE AND WALL CABINET DOORS WHICH OPEN AGAINST PERPENDICULAR WALLS.
- WHERE CASEWORK IS HELD AWAY FROM WALLS, TO FLUSH-OUT WITH ADJACENT CABINETS, SCRIBE END-FILLER PANELS TO WALLS.
- PROVIDE FILLER PANELS WHERE SHOWN AND/OR OTHERWISE REQUIRED FOR A COMPLETE INSTALLATION.
- PROVIDE LOCKS AT ALL CABINET DOORS AND DRAWERS (U.O.N.)
- MODIFY SINK BASE CABINETS AS REQUIRED TO ACCOMMODATE OVERSIZED SINKS (SEE MECHANICAL FOR OVERSIZED SINK LOCATIONS).
- WHERE 34" HIGH BASE CABINETS ARE INDICATED, MODIFY CABINET CONSTRUCTION BY REDUCING THE HEIGHT OF ALL COMPARTMENTS EQUALLY (INDICATE ON SHOP DWGS.)
- PROVIDE INTERMEDIATE PLASTIC LAMINATE CLAD SUPPORT PANELS @ 4'-0" OC MAXIMUM AT ALL UNSUPPORTED COUNTER TOPS (UON).
- PROVIDE GROMMETS AT ALL COUNTERS WITH KNEESPACES. WHERE POWER DATA OUTLETS ARE LOCATED BELOW (REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS), UON. PROVIDE (1) ONE GROMMET PER KNEESPACE (UON). FINAL LOCATIONS WILL BE MARKED-UP ON THE SHOP DRAWING SUBMITTAL.
- PROVIDE MOISTURE RESISTANT PARTICULATE BOARD AT SINK BASE, COUNTERTOP, AND SPLASH WITHIN 18" OF SINK.
- IN SCIENCE LABS, ACID NEUTRALIZATION TANKS TO BE PROVIDED IN TEACHER DEMONSTRATION TABLES.
- ALL TYPICAL MUSIC WING CABINETS INDICATED ARE BASED ON WENGER CORPORATION PRODUCTS. REFER TO WENGER CATALOG FOR TYPICAL NUMBERING FORMAT.
- ALL WENGER CABINETS ARE DESIGNATED USING THE PREFIX "W" AND THEN THE WENGER NUMBER SYSTEM.
- ALL SCIENCE CABINETS ARE BASED ON SHELDON PRODUCTS. REFER TO SHELDON CATALOG FOR TYPICAL NUMBER FORMAT.

**LOCKER LEGEND**

TYPE L-1	SINGLE-TIER STANDARD LOCKERS (12" X 15" X 72" HIGH) VENTILATED, ON METAL Z' BASE
	SINGLE-TIER ADA ACCESSIBLE LOCKERS (12" X 15" X 72" HIGH) VENTILATED, ON METAL Z' BASE
TYPE L-2	DOUBLE-TIER CORRIDOR LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON METAL Z' BASE
	DOUBLE-TIER ADA ACCESSIBLE CORRIDOR LOCKERS (12" X 15" X 60" HIGH) VENTILATED, ON METAL Z' BASE
TYPE L-3	SINGLE-TIER STANDARD LOCKERS (12" X 15" X 30" HIGH) VENTILATED, ON METAL Z' BASE
	SINGLE-TIER ADA ACCESSIBLE STANDARD LOCKERS (12" X 15" X 30" HIGH) VENTILATED, ON METAL Z' BASE
TYPE L-4	SINGLE-TIER ATHLETIC LOCKERS (15" X 15" X 72" HIGH), VENTILATED, ON 4" TALL CMU BASE
	SINGLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 72" HIGH) VENTILATED, ON 4" TALL CMU/CONCRETE BASE (-/-)
TYPE L-5	FIVE-TIER ATHLETIC LOCKERS (15" X 15" X 60" HIGH), VENTILATED, ON 4" TALL CMU/CONCRETE BASE
	FIVE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 60" HIGH) VENTILATED, ON 4" TALL CMU BASE
TYPE L-6	DOUBLE-TIER ATHLETIC LOCKERS (15" X 15" X 60" HIGH), VENTILATED, ON 18" TALL CMU BASE
	DOUBLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (15" X 15" X 60" HIGH) VENTILATED, ON 18" TALL CMU BASE
TYPE L-7	DOUBLE-TIER ATHLETIC LOCKERS (24" X 15" X 72" HIGH), VENTILATED, ON 18" TALL CMU BASE
	DOUBLE-TIER ADA ACCESSIBLE ATHLETIC LOCKERS (24" X 15" X 72" HIGH) VENTILATED, ON 18" TALL CMU BASE

**LOCKER NOTES:**

- PROVIDE CONTINUOUS SLOPED TOPS AT ALL LOCKERS (UON)
- PROVIDE FILLER PIECES AT ENDS & CORNERS AS REQUIRED
- SIZES INDICATED ABOVE REFER TO WIDTH x DEPTH x HEIGHT
- LOCKERS TAGGED WITH "A" ARE ACCENT COLOR LOCKERS. SEE SPECIFICATIONS.

**PROJECTION SCREEN SCHEDULE**

PSA	24" W x 14" H	ELECTRICALLY OPERATED, WALL MOUNTED
PS-B	9" W x 6" H	FIXED, WALL MOUNTED
PC-C	16" W x 10" H	ELECTRICALLY OPERATED, RECESSED MOUNTED

**NOTES:**

- REFER TO ELECTRICAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

**INTERIOR SIGNAGE**

THIS IS AN INTERIOR SIGNAGE IDENTIFICATION. REFER TO SPECIFICATIONS FOR INTERIOR SIGNAGE TYPE AND SCHEDULED INFORMATION



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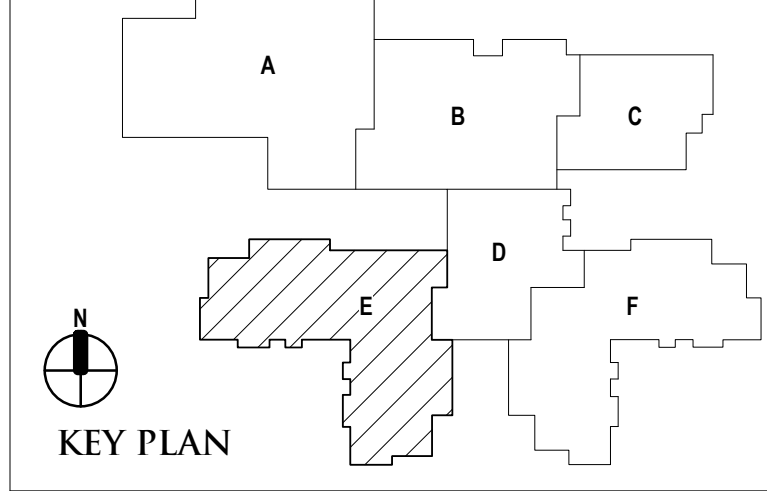
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Second Level Casework & Equipment Plan - Zone 'E'**



ISSUE DATES

66-18-2024 CONSTRUCTION DOCUMENTS  
DATE: ISSUED FOR:

DRAWN do  
CHECKED jw  
APPROVED dt

PROJECT NO.  
**22102**  
DRAWING NO.  
**A9.2E**

SECOND LEVEL CASEWORK PLAN - ZONE 'E'  
SCALE: 1/8" = 1'-0"



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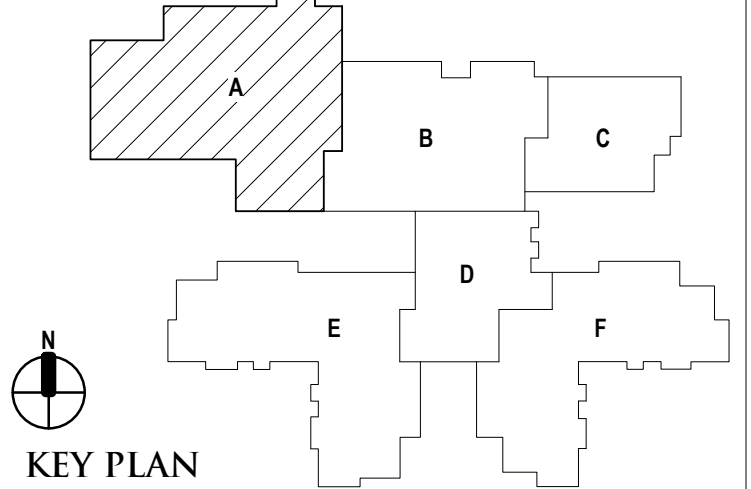
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**First Level Finish Plan - Zone 'A'**



ISSUE DATES

06-18-2024 CONSTRUCTION DOCUMENTS

DATE ISSUED FOR:

DRAWN lb

CHECKED lc

APPROVED dl

PROJECT NO.

**22102**

DRAWING NO.

**A10.1A**

**FINISH LEGEND**

ROOM FINISH TAGS	FINISH LEGEND
ROOM NAME AND NUMBER PLUS GENERAL ROOM FINISH INFORMATION. FINISH TAGS SHALL APPLY TO ALL LIKE MATERIALS WITHIN A ROOM (UON)	FINISH LEGEND IS GENERAL. SEE SPECIFICATIONS FOR SPECIFIC FINISH INFORMATION. MULTIPLE FINISH TYPES ARE IDENTIFIED BY NUMBER FOLLOWING ABBREVIATION.
CLASSROOM RT - ROOM NAME PT - WALL FINISH (SEE BELOW) RB - BASE (SEE BELOW) CPT - FLOOR FINISH (SEE BELOW)	PT-P (E) RB (E) CPT-P (E)
	<p>Denotes Pattern Detail</p> <p>SEE "SPECIFIC NOTES" BELOW</p>

**WALL FINISH ABBREVIATIONS**

AWP	ACOUSTICAL WALL PANEL
BB	BULLETIN BOARD
CT	CERAMIC TILE
DWF	DECORATIVE WINDOW FILM
EP	EPOXY PAINT
GW	GREENERY WALL
PT	PAINT
WP	PROTECTIVE WALL PANELS
WFC	WOOD FIBER PANEL
VWC	VINYL WALL COVERING

**BASE FINISH ABBREVIATIONS**

CPT	CARPET
CT	CERAMIC TILE
RB	RESILIENT BASE
RSF	RESILIENT SHEET FLOOR
SS	SOLID SURFACE BASE
VB	VENTED BASE

**FLOOR FINISH ABBREVIATIONS**

CONCD	CONCRETE - DECORATIVE/APPLIED FINISH
CONCS	CONCRETE - WITH APPLIED SURFACE SEALER
CPT	CARPET
CT	CERAMIC TILE
RD	RESILIENT RUBBER FLOOR TILE
RSF	RESILIENT SHEET FLOOR
WF	WOOD FLOORING SYSTEM

**GENERAL NOTES**

- REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES, HEIGHTS AND FINISH INFORMATION.
- AT CERAMIC TILE LOCATIONS, INSTALLER TO USE APPROPRIATE TROWEL TO ACCOMMODATE DIFFERENT TILE THICKNESSES.
- REFER TO STRUCTURAL DRAWINGS FOR DEPRESSED SLAB LOCATIONS, INDICATIVE OF MUDDSET BEDS AT CERAMIC TILE. SLOPE MUDDSET TO DRAINS. REFER TO ARCHITECTURAL DRAWINGS FOR DRAIN ELEVATIONS AND LOCATIONS.
- PROVIDE ANTI-FRACTURE MEMBRANE AT ALL THINSET CERAMIC TILE LOCATIONS, UNLESS OTHERWISE NOTED.
- PROVIDE RESILIENT BASE AT TOE KICK OF ALL CASEWORK AND BEHIND ALL MOVABLE EQUIPMENT/APPLIANCES, WHEN SCHEDULED WITHIN A ROOM.
- ALL WALL MOUNTED MECHANICAL EQUIPMENT (DIFFUSERS, GRILLES, ETC) AND ELECTRICAL EQUIPMENT (PANELS, ETC) SHALL BE PAINTED TO MATCH THE ADJACENT WALL COLOR. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR QUANTITIES AND LOCATIONS.
- REFER TO SPEC. SECTION 01200 FOR COMPLETE LIST AND DESCRIPTION OF ALTERNATIVES.
- WHERE REMOVAL OR MODIFICATION TO A FINISH MATERIAL IS SHOWN, BUT NEW FINISHES ARE NOT SCHEDULED, PATCH AND REPAIR TO MATCH EXISTING FINISH CONDITION AS REQUIRED.
- PROVIDE APPROPRIATE TRANSITION STRIPS BETWEEN DISSIMILAR FLOORING MATERIALS AT VERTICAL AND/OR HORIZONTAL APPLICATIONS.
- CARPET EDGES SHALL BE CAPTURED BY NOSING. NOSING SHALL BE MITERED AT ALL OUTSIDE AND INSIDE CORNER CONDITIONS. ALL EDGES OF CARPET SHALL BE SEALED WITH A SEAM-SEALER.
- WHEN CARPET IS SPECIFIED WITHIN A ROOM, ALL EXPOSED VERTICAL SIDES OF STAIR SHALL BE CARPETED.
- FLOORING CONTRACTOR SHALL INSTALL INSERTS TO MATCH ADJACENT FLOORING MATERIAL AT ALL ELECTRICAL FLOOR BOX COVERS AS REQUIRED.
- FOR MORE INFORMATION REGARDING THRESHOLDS AT TILE INSTALLATIONS, SEE DOOR SCHEDULE SHEET.

**SPECIFIC NOTES**

- FOR CONCD PATTERN LAYOUT AND CONTROL JOINTS, SEE A11 SHEETS, TYP.
- CT2 AT SHOWER ONLY, TYP.
- WALL PROTECTION HEIGHT TO BE 34 INCHES A.F.F. PROVIDE ALL NECESSARY TRIM APPLICATIONS AND CAULK TRIM AND CAULK COLOR TO MATCH ADJACENT WALL PROTECTION. INSTALLED ON GYP. WALLS ONLY, U.O.A.
- SEE ELEVATIONS 8, 9 AND 10 ON SHEET A7.8 FOR TYPICAL WALL TILE LAYOUT. SEE ELEVATION 11 ON SHEET A7.8 FOR TYPICAL TOILET ROOM PAINT PATTERN.
- CT3 INSTALLED FROM FLOOR TO CEILING. METAL COVE BASE INSTALLED AT TRANSITION FROM WALL, TILE AND FLOOR MATERIAL.
- SEE MILLWORK DETAILS FOR SOLID SURFACE BASE LOCATION.
- PAIN ALL SIDES OF EXPOSED COLUMN. SEE 10 SERIES SHEETS FOR DESIGNATION.
- PAIN EP3 FROM FLOOR TO TOP OF DOOR FRAMES, TYP. EP1 FROM DOOR FRAMES TO CEILING, TYP.
- ACOUSTICAL WALL PANEL (AWP10) INSTALLED ON PERIMETER VERTICAL FACE OF SOFFIT. REFER TO INTERIOR ELEVATIONS FOR DETAILS.
- PAIN ALL COLUMNS FROM FLOOR TO UNDERSIDE OF SOFFIT P14. PAIN ALL COLUMNS ABOVE SOFFIT TO CEILING P15.
- CT5 INSTALLED HORIZONTAL, 1/3 OFFSET FROM EXTENTS SPECIFIED ON A10 SERIES. INSTALL FROM COUNTERTOP TO TOP OF CABINETS, WHERE CABINETS ARE NOT PRESENT. INSTALL TO ALIGN WITH TOP OF CABINETS ADJACENT AND FINISH WITH METAL TRIM ON ALL EXPOSED SIDES.
- PAIN HOLLOW METAL WINDOW FRAME ON ACTIVE STUDIO AND PASSAGE SIDE FOR INDICATED WINDOWS ONLY. REFER TO A10 SERIES SHEETS FOR WINDOW DESIGNATIONS AND PAINT COLOR.
- ACOUSTICAL WALL PANEL (AWP10) INSTALLED ABOVE LOCKERS, 3'-0" HEIGHT, WIDTH TO EXTEND FULL WIDTH OF WALL.
- PAIN FROM FLOOR TO 8 COURSES ABOVE FLOOR: EP2. PAINT COURSES 9 AND 10: EP15. TO FINISHED CEILING EP2. SEE ELEVATION 4 ON A7.1 SHEET FOR DETAILS.

**WINDOW TREATMENT LEGEND**

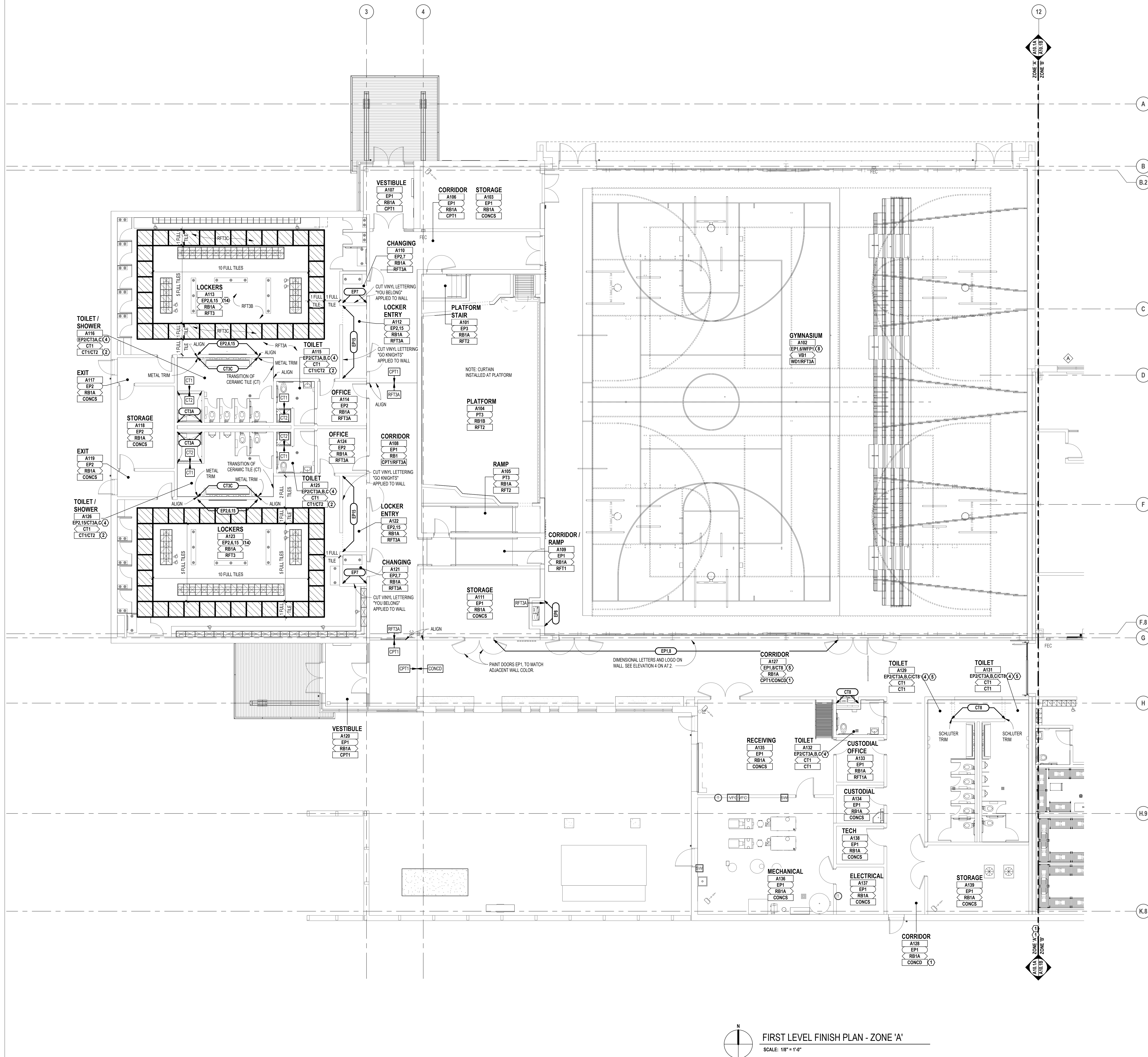
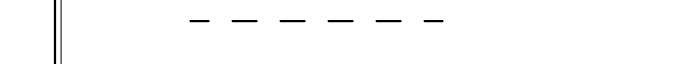
WINDOW TREATMENT	CONTROL MECHANISM LOCATION (IF MANUAL)
◇ TYPE 'A' - MANUAL, 3% OPEN SHADE	◇ TYPE 'C' - MANUAL, 0% OPEN SHADE
◇ TYPE 'B' - MOTORIZED, 3% OPEN SHADE	

**PATTERN DETAILS (FLOORS/WALLS)**

PLANK FLOORING INSTALLATION DIRECTION, TYPICAL U.O.N.



WALL PROTECTION LOCATIONS, TYPICAL U.O.N.



FIRST LEVEL FINISH PLAN - ZONE 'A'  
 SCALE: 1/8" = 1'-0"

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1191 WEST SQUARE LAKE ROAD  
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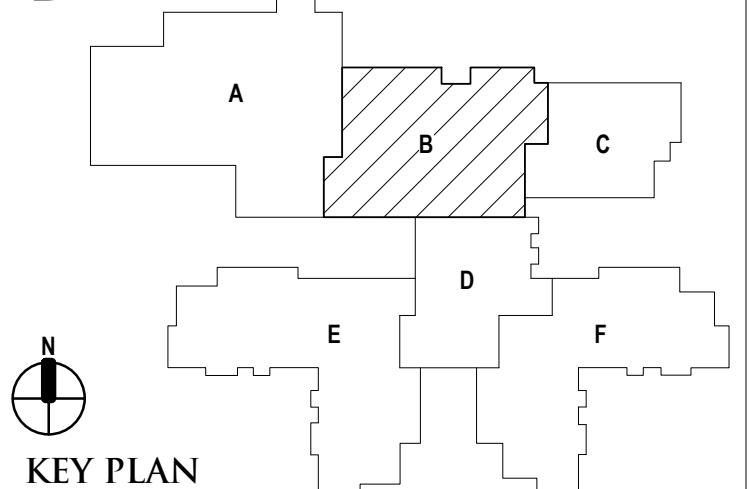
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**First Level Finish Plan - Zone  
'B'**



ISSUE DATES

96-18-2024 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN lb

CHECKED lc

APPROVED dl

PROJECT NO.

**22102**

DRAWING NO.

**A10.1B**

**FINISH LEGEND**

ROOM FINISH TAGS	FINISH LEGEND
ROOM NAME AND NUMBER PLUS GENERAL ROOM FINISH INFORMATION. FINISH TAGS SHALL APPLY TO ALL LIKE MATERIALS WITHIN A ROOM (UON)	FINISH LEGEND IS GENERAL. SEE SPECIFICATIONS FOR SPECIFIC FINISH INFORMATION. MULTIPLE FINISH TYPES ARE IDENTIFIED BY NUMBER FOLLOWING ABBREVIATION.
CLASSROOM RIT PT RB CPT	ROOM NAME ROOM NUMBER WALL FINISH (SEE BELOW) BASE (SEE BELOW) FLOOR FINISH (SEE BELOW)
	PT-P E RB CPT-P E
	DENOTES PATTERN DETAIL SEE "SPECIFIC NOTES" BELOW

**WALL FINISH ABBREVIATIONS**

AWP	ACOUSTICAL WALL PANEL
BB	BULLETIN BOARD
CT	CERAMIC TILE
DWF	DECORATIVE WINDOW FILM
EP	EPOXY PAINT
GW	GREENERY WALL
PT	PAINT
WP	PROTECTIVE WALL PANELS
WFP	WOOD FIBER PANEL
WVC	VINYL WALL COVERING

**BASE FINISH ABBREVIATIONS**

CPT	CARPET
CT	CERAMIC TILE
RB	RESILIENT BASE
RSF	RESILIENT SHEET FLOOR
SS	SOLID SURFACE BASE
VB	VENTED BASE

**FLOOR FINISH ABBREVIATIONS**

CONCD	CONCRETE - DECORATIVE/APPLIED FINISH
CONCS	CONCRETE - WITH APPLIED SURFACE SEALER
CPT	CARPET
CT	CERAMIC TILE
RF	RESILIENT RUBBER FLOOR TILE
RSF	RESILIENT SHEET FLOOR
WD	WOOD FLOORING SYSTEM

**GENERAL NOTES**

- REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES, HEIGHTS AND FINISH INFORMATION.
- AT CERAMIC TILE LOCATIONS, INSTALLER TO USE APPROPRIATE TROWEL TO ACCOMMODATE DIFFERENT TILE THICKNESSES.
- REFER TO STRUCTURAL DRAWINGS FOR DEPRESSED SLAB LOCATIONS. INDICATIVE OF MUSET BEDS AT CERAMIC TILE. SLOPE MUSET TO DRAINS. REFER TO ARCHITECTURAL DRAWINGS FOR DRAIN ELEVATIONS AND LOCATIONS.
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- FOR MORE INFORMATION REGARDING THRESHOLDS AT TILE INSTALLATIONS, SEE DOOR SCHEDULE SHEET.

**SPECIFIC NOTES**

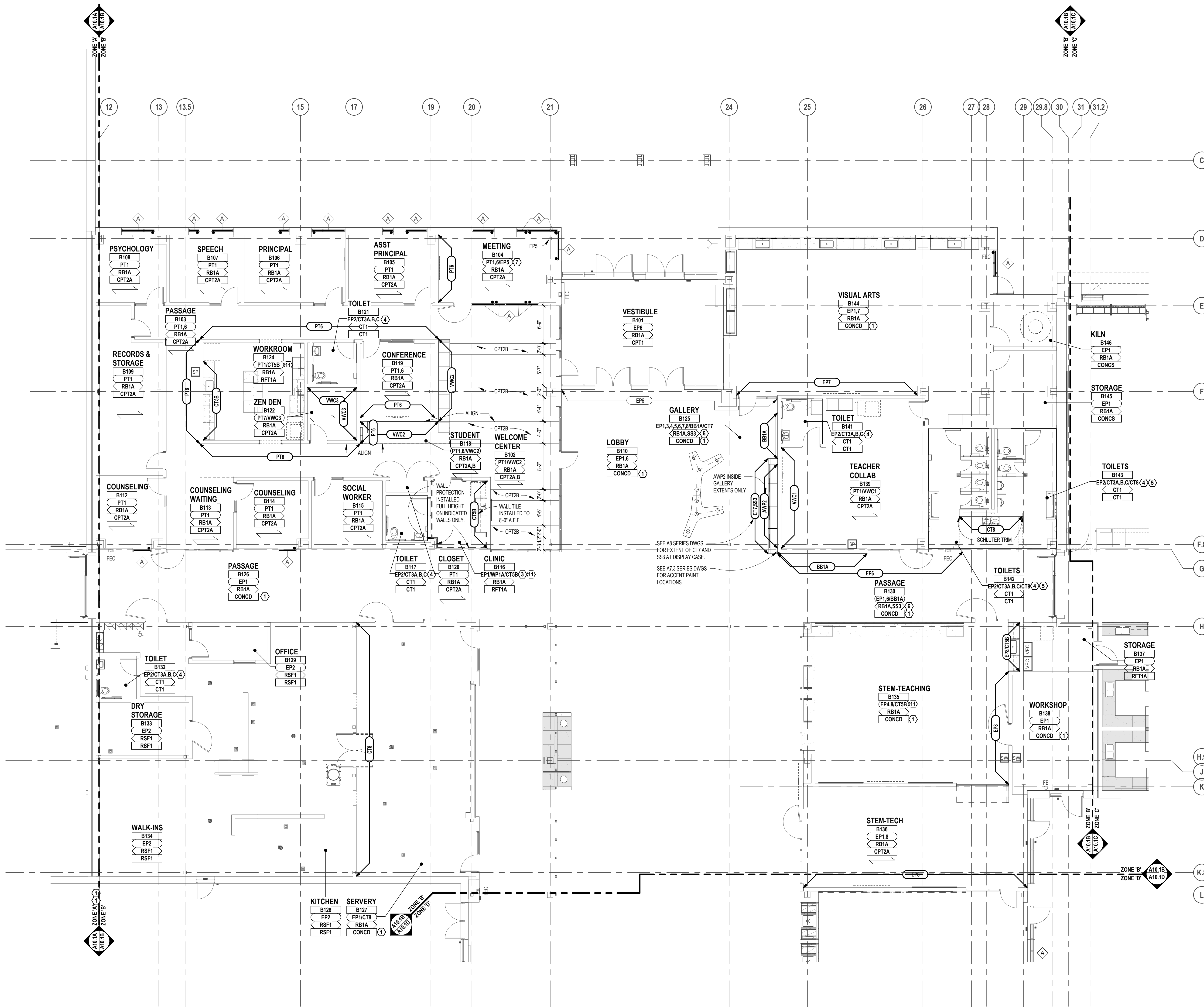
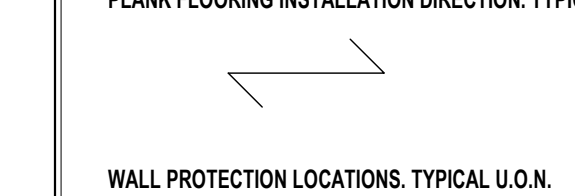
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**WINDOW TREATMENT LEGEND**

WINDOW TREATMENT CONTROL MECHANISM LOCATION (IF MANUAL)	TYPE 'A' - MANUAL, 3% OPEN SHADE	TYPE 'C' - MANUAL, 0% OPEN SHADE
	TYPE 'B' - MOTORIZED, 3% OPEN SHADE	

**PATTERN DETAILS (FLOORS/WALLS)**

PLANK FLOORING INSTALLATION DIRECTION, TYPICAL U.O.N.



**FIRST LEVEL FINISH PLAN - ZONE 'B'**  
SCALE: 1/8" = 1'-0"



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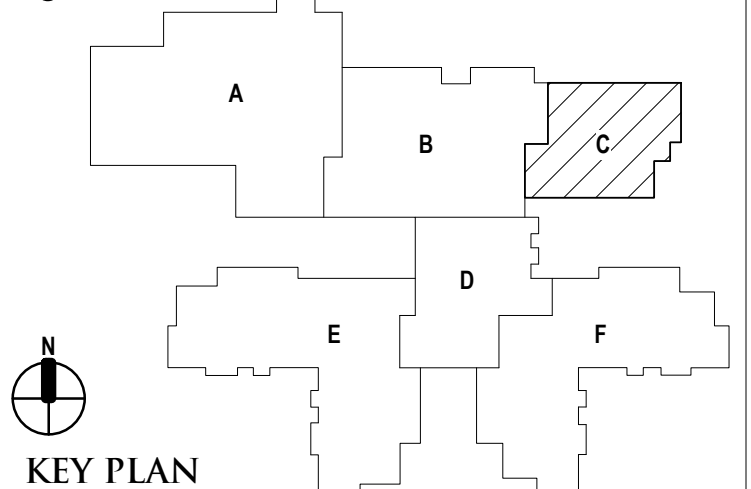
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**First Level Finish Plan - Zone 'C'**



ISSUE DATES

06-18-2024 CONSTRUCTION DOCUMENTS

DATE ISSUED FOR:

DRAWN lb

CHECKED lc

APPROVED dl

PROJECT NO.

**22102**

DRAWING NO.

**A10.1C**

**FINISH LEGEND**

ROOM FINISH TAGS	FINISH LEGEND
ROOM NAME AND NUMBER PLUS GENERAL ROOM FINISH INFORMATION. FINISH TAGS SHALL APPLY TO ALL LIKE MATERIALS WITHIN A ROOM (U.O.N.)	FINISH LEGEND IS GENERAL. SEE SPECIFICATIONS FOR SPECIFIC FINISH INFORMATION. MULTIPLE FINISH TYPES ARE IDENTIFIED BY NUMBER FOLLOWING ABBREVIATION.
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	PT-P E RB E CPT-P E
	DENOTES PATTERN DETAIL SEE "SPECIFIC NOTES" BELOW

**WALL FINISH ABBREVIATIONS**

AWP	ACOUSTICAL WALL PANEL
BB	BULLETIN BOARD
CT	CERAMIC TILE
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GW	GREENERY WALL
PT	PAINT
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WFP	WOOD FIBER PANEL
VWC	VINYL WALL COVERING

**BASE FINISH ABBREVIATIONS**

CPT	CARPET
CT	CERAMIC TILE
RB	RESILIENT BASE
RSP	RESILIENT SHEET FLOOR
SS	SOLID SURFACE BASE
VB	VENTED BASE

**FLOOR FINISH ABBREVIATIONS**

CONCD	CONCRETE - DECORATIVE/APPLIED FINISH
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CPT	CARPET
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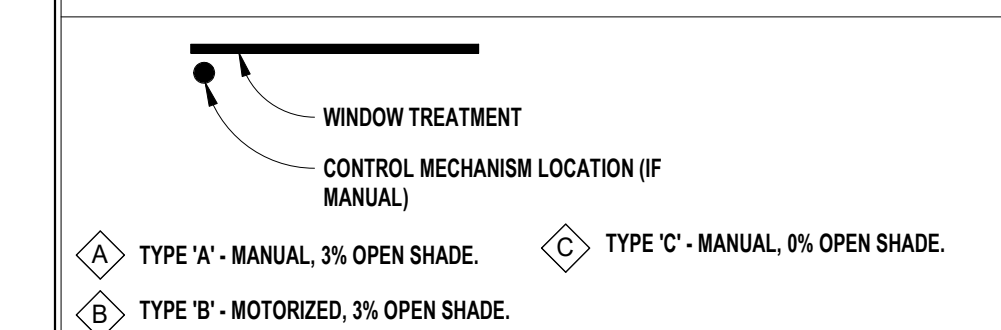
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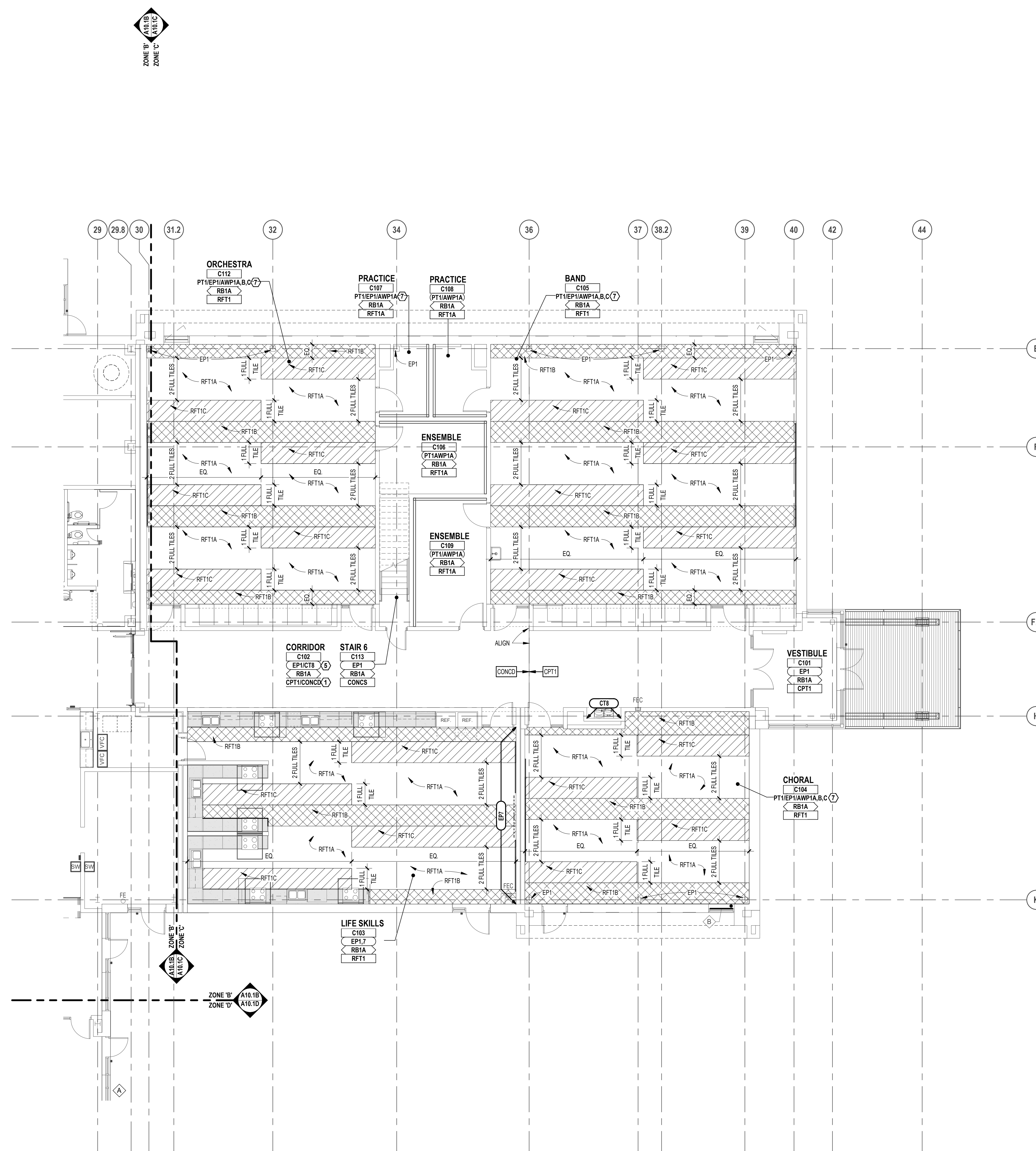
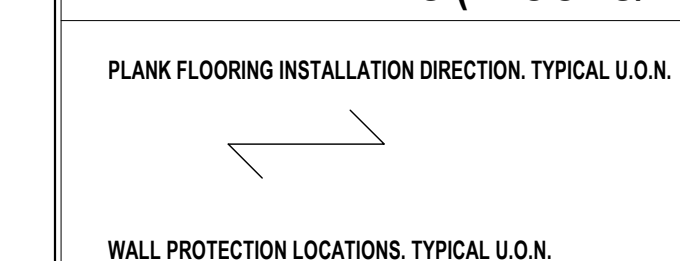
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- PAIN FROM FLOOR TO 5 COURSES ABOVE FLOOR. EP2. PAIN COURSES 9 AND 10: EP15. TO FINISHED CEILING EP2. SEE ELEVATION 4 ON A1.1 SHEET FOR DETAILS.

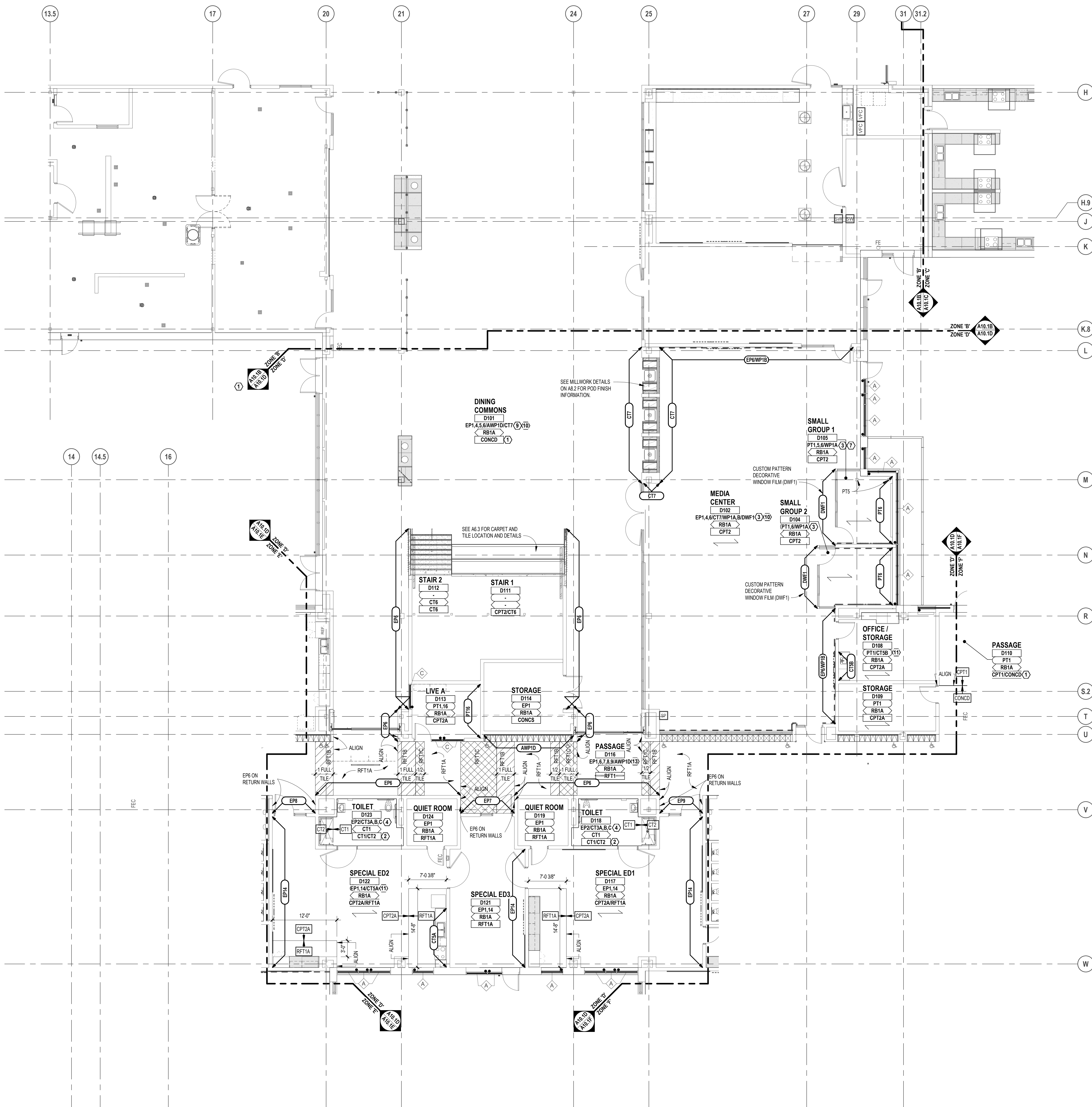
**WINDOW TREATMENT LEGEND**



**PATTERN DETAILS (FLOORS/WALLS)**



FIRST LEVEL FINISH PLAN - ZONE 'C'  
SCALE: 1/8" = 1'-0"



FIRST LEVEL FINISH PLAN - ZONE 'D'  
SCALE: 1/8" = 1'-0"

FINISH LEGEND	
<b>ROOM FINISH TAGS</b>	<b>FINISH LEGEND</b>
ROOM NAME AND NUMBER PLUS ROOM NUMBER FINISH TAGS SHALL APPLY TO ALL LIKE MATERIALS WITHIN A ROOM (UON)	FINISH LEGEND IS GENERAL. SEE SPECIFICATIONS FOR SPECIFIC FINISH INFORMATION. MULTIPLE FINISH TYPES ARE IDENTIFIED BY NUMBER FOLLOWING ABBREVIATION.
CLASSROOM PT RB CPT	ROOM NAME ROOM NUMBER WALL FINISH (SEE BELOW) BASE (SEE BELOW) FLOOR FINISH (SEE BELOW)
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DENOTES PATTERN DETAIL SEE "SPECIFIC NOTES" BELOW	
<b>WALL FINISH ABBREVIATIONS</b>	
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4. PROVIDE ANTI-FRACTURE MEMBRANE AT ALL THINSET CERAMIC TILE LOCATIONS, UNLESS OTHERWISE NOTED.	
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⑤ CT3 INSTALLED FROM FLOOR TO CEILING. METAL COVE BASE INSTALLED AT TRANSITION FROM WALL, TILE AND FLOOR MATERIAL.	
⑥ SEE MILLWORK DETAILS FOR SOLID SURFACE BASE LOCATION	
⑦ PAINT ALL SIDES OF EXPOSED COLUMN. SEE 10 SERIES SHEETS FOR DESIGNATION.	
⑧ PAINT EP8 FROM FLOOR TO TOP OF DOOR FRAMES, TYP. EP1 FROM DOOR FRAMES TO CEILING, TYP.	
⑨ ACOUSTICAL WALL PANEL (AWP10) INSTALLED ON PERIMETER VERTICAL FACE OF SOFFIT. REFER TO INTERIOR ELEVATIONS FOR DETAILS.	
⑩ PAINT ALL COLUMNS FROM FLOOR TO UNDERSIDE OF SOFFIT PT4. PAINT ALL COLUMNS ABOVE SOFFIT TO CEILING PT5.	
⑪ CT5 INSTALLED HORIZONTAL, 1/3 OFFSET FROM EXTENTS SPECIFIED ON A10 SERIES. INSTALL FROM COUNTERTOP TO TOP OF CABINETS. WHERE CABINETS ARE NOT PRESENT, INSTALL TO ALIGN WITH TOP OF CABINETS ADJACENT AND FINISH WITH METAL TRIM ON ALL EXPOSED SIDES.	
⑫ PAINT HOLLOW METAL WINDOW FRAME ON ACTIVE STUDIO AND PASSAGE SIDE FOR INDICATED WINDOWS ONLY. REFER TO A10 SERIES SHEETS FOR WINDOW DESIGNATIONS AND PAINT COLOR.	
⑬ ACOUSTICAL WALL PANEL (AWP10) INSTALLED ABOVE LOCKERS, 3'-0" HEIGHT, WIDTH TO EXTEND FULL WIDTH OF WALL.	
⑭ PAINT FROM FLOOR TO 8 COURSES ABOVE FLOOR. EP5. PAINT COURSES 9 AND 10: EP15. TO FINISHED CEILING EP2. SEE ELEVATION 4 ON A1.1 SHEET FOR DETAILS.	
<b>WINDOW TREATMENT LEGEND</b>	
WINDOW TREATMENT CONTROL MECHANISM LOCATION (IF MANUAL)	
△	TYPE 'A' - MANUAL, 3% OPEN SHADE.
◇	TYPE 'C' - MANUAL, 0% OPEN SHADE.
○	TYPE 'B' - MOTORIZED, 3% OPEN SHADE.
<b>PATTERN DETAILS (FLOORS/WALLS)</b>	
PLANK FLOORING INSTALLATION DIRECTION, TYPICAL U.O.N.	
WALL PROTECTION LOCATIONS, TYPICAL U.O.N.	



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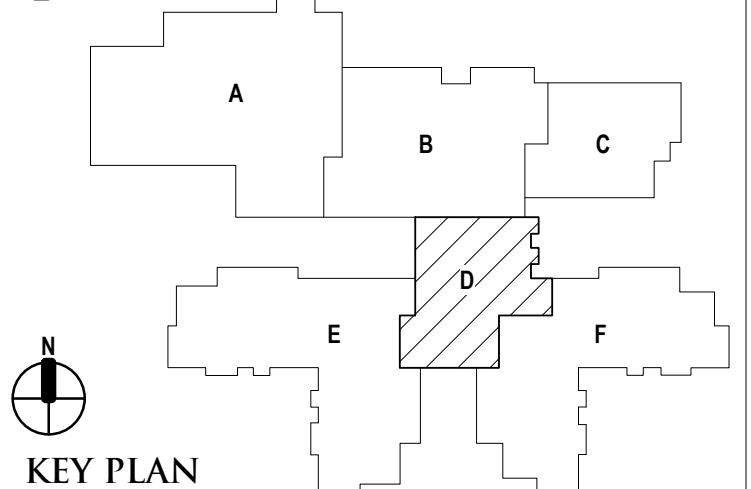
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
First Level Finish Plan - Zone 'D'

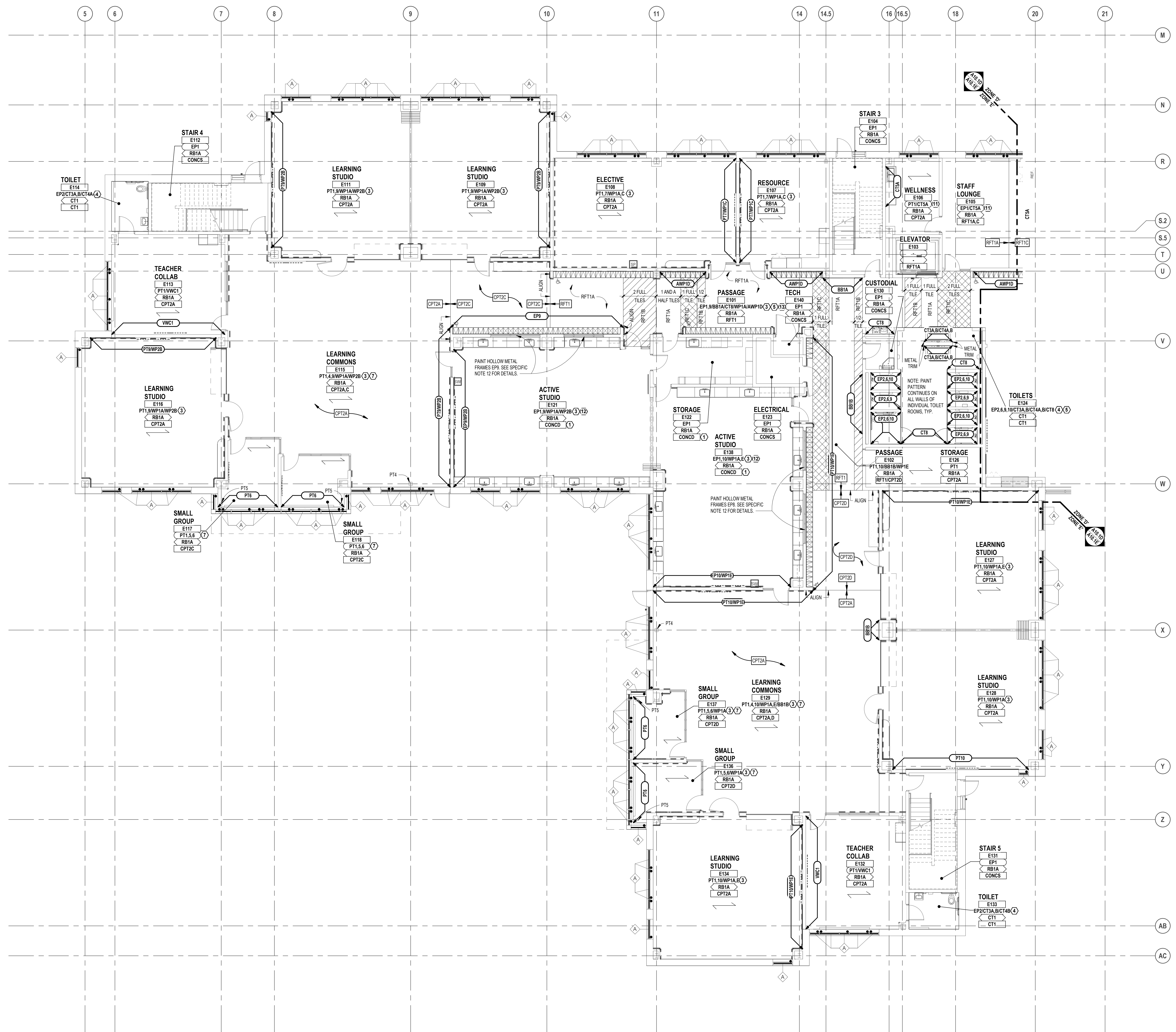


ISSUE DATES

DATE	ISSUED FOR:
06-18-2024	CONSTRUCTION DOCUMENTS

PROJECT NO.  
**22102**  
DRAWING NO.  
**A10.1D**

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**FINISH LEGEND**

ROOM FINISH TAGS	FINISH LEGEND
ROOM NAME AND NUMBER PLUS GENERAL ROOM FINISH INFORMATION. FINISH TAGS SHALL APPLY TO ALL LIKE MATERIALS WITHIN A ROOM (UON)	FINISH LEGEND IS GENERAL. SEE SPECIFICATIONS FOR SPECIFIC FINISH INFORMATION. MULTIPLE FINISH TYPES ARE IDENTIFIED BY NUMBER FOLLOWING ABBREVIATION.
CLASSROOM	ROOM NAME
PT	ROOM NUMBER
PT	WALL FINISH (SEE BELOW)
RB	BASE (SEE BELOW)
CPT	FLOOR FINISH (SEE BELOW)
	PT-P (E)
	RB (E)
	CPT-P (E)

Denotes Pattern Detail  
SEE "SPECIFIC NOTES" BELOW

**WALL FINISH ABBREVIATIONS**

AWP	ACOUSTICAL WALL PANEL
BB	BULLETIN BOARD
CT	CERAMIC TILE
DWF	DECORATIVE WINDOW FILM
EP	EPOXY PAINT
GW	GREENERY WALL
PT	PAINT
WP	PROTECTIVE WALL PANELS
WFP	WOOD FIBER PANEL
VWC	VINYL WALL COVERING

**BASE FINISH ABBREVIATIONS**

CPT	CARPET
CT	CERAMIC TILE
RB	RESILIENT BASE
RBF	RESILIENT SHEET FLOOR
SS	SOLID SURFACE BASE
VB	VENTED BASE

**FLOOR FINISH ABBREVIATIONS**

CONCD	CONCRETE - DECORATIVE/APPLIED FINISH
CONCS	CONCRETE - WITH APPLIED SURFACE SEALER
CPT	CARPET
CT	CERAMIC TILE
RFT	RESILIENT RUBBER FLOOR TILE
RSF	RESILIENT SHEET FLOOR
WD	WOOD FLOORING SYSTEM

- GENERAL NOTES**
- REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES, HEIGHTS AND FINISH INFORMATION.
  - AT CERAMIC TILE LOCATIONS, INSTALLER TO USE APPROPRIATE TROWEL TO ACCOMMODATE DIFFERENT TILE THICKNESSES.
  - REFER TO STRUCTURAL DRAWINGS FOR DEPRESSED SLAB LOCATIONS, INDICATIVE OF MUDSET BEDS AT CERAMIC TILE. SLOPE MUDSET TO DRAINS. REFER TO ARCHITECTURAL DRAWINGS FOR DRAIN ELEVATIONS AND LOCATIONS.
  - PROVIDE ANTI-FRACTURE MEMBRANE AT ALL THINSET CERAMIC TILE LOCATIONS, UNLESS OTHERWISE NOTED.
  - PROVIDE RESILIENT BASE AT TOE KICK OF ALL CASEWORK AND BEHIND ALL MOVABLE EQUIPMENT/APPLIANCES, WHEN SCHEDULED WITHIN A ROOM.
  - ALL WALL MOUNTED MECHANICAL EQUIPMENT (DIFFUSERS, GRILLES, ETC) AND ELECTRICAL EQUIPMENT (PANELS, ETC) SHALL BE PAINTED TO MATCH THE ADJACENT WALL COLOR. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR QUANTITIES AND LOCATIONS.
  - REFER TO SPEC. SECTION 01200 FOR COMPLETE LIST AND DESCRIPTION OF ALTERNATIVES.
  - WHERE REMOVAL OR MODIFICATION TO A FINISH MATERIAL IS SHOWN, BUT NEW FINISHES ARE NOT SCHEDULED, PATCH AND REPAIR TO MATCH EXISTING FINISH CONDITION AS REQUIRED.
  - PROVIDE APPROPRIATE TRANSITION STRIPS BETWEEN DISSIMILAR FLOORING MATERIALS AT VERTICAL AND/OR HORIZONTAL APPLICATIONS.
  - CARPET EDGES SHALL BE CAPTURED BY NOSING. NOSING SHALL BE MITERED AT ALL OUTSIDE AND INSIDE CORNER CONDITIONS. ALL EDGES OF CARPET SHALL BE SEALED WITH A SEAM-SEALER.
  - WHEN CARPET IS SPECIFIED WITHIN A ROOM, ALL EXPOSED VERTICAL SIDES OF STAIR SHALL BE CARPETED.
  - FLOORING CONTRACTOR SHALL INSTALL INSERTS TO MATCH ADJACENT FLOORING MATERIAL AT ALL ELECTRICAL FLOOR BOX COVERS AS REQUIRED.
  - FOR MORE INFORMATION REGARDING THRESHOLDS AT TILE INSTALLATIONS, SEE DOOR SCHEDULE SHEET.

- SPECIFIC NOTES**
- FOR CONCD PATTERN LAYOUT AND CONTROL JOINTS, SEE A11 SHEETS, TYP.
  - CT AT SHOWER ONLY, TYP.
  - WALL PROTECTION HEIGHT TO BE 34 INCHES A.F.F. PROVIDE ALL NECESSARY TRIM APPLICATIONS AND CAULK. TRIM AND CAULK COLOR TO MATCH ADJACENT WALL PROTECTION. INSTALLED ON 0/0 WALLS ONLY, U.O.N.
  - SEE ELEVATIONS 8 & 10 ON SHEET A7.8 FOR TYPICAL WALL TILE LAYOUT. SEE ELEVATION 11 ON SHEET A7.8 FOR TYPICAL TOILET ROOM PAINT PATTERN.
  - CTS INSTALLED FROM FLOOR TO CEILING. METAL COVE BASE INSTALLED AT TRANSITION FROM WALL, TILE AND FLOOR MATERIAL.
  - SEE MILLWORK DETAILS FOR SOLID SURFACE BASE LOCATION
  - PAINT ALL SIDES OF EXPOSED COLUMN. SEE 10 SERIES SHEETS FOR DESIGNATION.
  - PAINT EPF FROM FLOOR TO TOP OF DOOR FRAMES, TYP. EPF FROM DOOR FRAMES TO CEILING, TYP.
  - ACOUSTICAL WALL PANEL (AWP1D) INSTALLED ON PERIMETER VERTICAL FACE OF SOFFIT. REFER TO INTERIOR ELEVATIONS FOR DETAILS.
  - PAINT ALL COLUMNS FROM FLOOR TO UNDERSIDE OF SOFFIT PT14. PAINT ALL COLUMNS ABOVE SOFFIT TO CEILING PTS.
  - CTS INSTALLED HORIZONTAL, 1/2 OFFSET FROM EXTENTS SPECIFIED ON A10 SERIES. INSTALL FROM COUNTERTOP TO TOP OF CABINETS. WHERE CABINETS ARE NOT PRESENT, INSTALL TO ALIGN WITH TOP OF CABINETS ADJACENT AND FINISH WITH METAL TRIM ON ALL EXPOSED SIDES.
  - PAINT HOLLOW METAL WINDOW FRAME ON ACTIVE STUDIO AND PASSAGE SIDE FOR INDICATED WINDOWS ONLY. REFER TO A10 SERIES SHEETS FOR WINDOW DESIGNATIONS AND PAINT COLOR.
  - ACOUSTICAL WALL PANEL (AWP1D) INSTALLED ABOVE LOCKERS. 3'-0" HEIGHT, WIDTH TO EXTEND FULL WIDTH OF WALL.
  - PAINT FROM FLOOR TO 8 COURSES ABOVE FLOOR. EP2. PAINT COURSES 9 AND 10: EP15. TO FINISHED CEILING EP2. SEE ELEVATION 4 ON A1.1 SHEET FOR DETAILS.

**WINDOW TREATMENT LEGEND**

WINDOW TREATMENT
CONTROL MECHANISM LOCATION (#)
MANUAL
TYPE 'A' - MANUAL, 3% OPEN SHADE
TYPE 'C' - MANUAL, 0% OPEN SHADE
TYPE 'B' - MOTORIZED, 3% OPEN SHADE

**PATTERN DETAILS (FLOORS/WALLS)**

PLANK FLOORING INSTALLATION DIRECTION, TYPICAL U.O.N.

WALL PROTECTION LOCATIONS, TYPICAL U.O.N.



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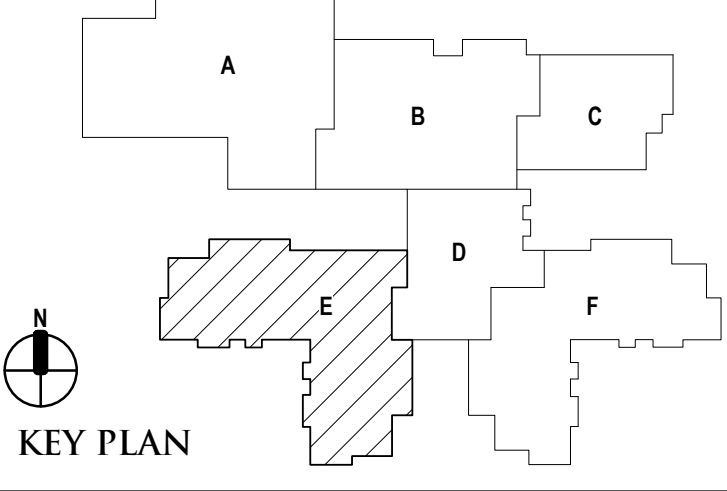
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**First Level Finish Plan - Zone 'E'**



**ISSUE DATES**

06-18-2024	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:
DRAWN	lb
CHECKED	lc
APPROVED	dl

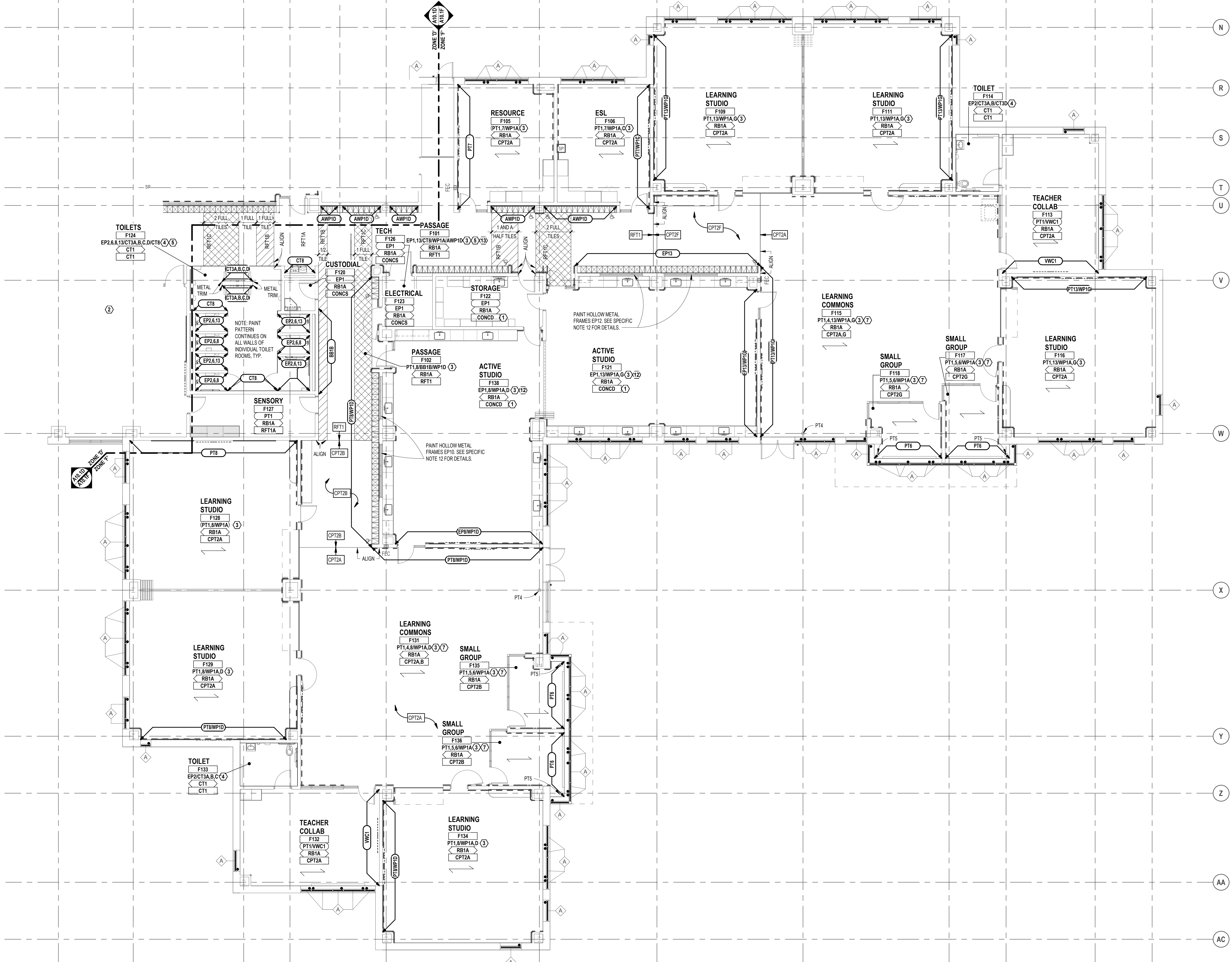
PROJECT NO.  
**22102**  
DRAWING NO.  
**A10.1E**

**FIRST LEVEL FINISH PLAN - ZONE 'E'**  
SCALE: 1/8" = 1'-0"



24 25 26 27 29 31 33 35 38 41 43 45 46

M N R S T U V W X Y Z AA AC



FINISH LEGEND	
ROOM FINISH TAGS	FINISH LEGEND
ROOM NAME AND NUMBER PLUS ROOM NUMBER FINISH TAGS SHALL APPLY TO ALL LIKE MATERIALS WITHIN A ROOM (U.O.N.)	FINISH LEGEND IS GENERAL. SEE SPECIFICATIONS FOR SPECIFIC FINISH INFORMATION. MULTIPLE FINISH TYPES ARE IDENTIFIED BY NUMBER FOLLOWING ABBREVIATION.
CLASSROOM → ROOM NAME → ROOM NUMBER PT → WALL FINISH (SEE BELOW) RB → BASE (SEE BELOW) CPT → FLOOR FINISH (SEE BELOW)	PT-P → [ ] RB → [ ] CPT-P → [ ] DENOTES PATTERN DETAIL SEE "SPECIFIC NOTES" BELOW
<b>WALL FINISH ABBREVIATIONS</b>	
AWP → ACoustical WALL PANEL BB → BULLETIN BOARD CT → CERAMIC TILE DWF → DECORATIVE WINDOW FILM EP → EPOXY PAINT GW → GREENERY WALL PT → PAINT WP → PROTECTIVE WALL PANELS WFP → WOOD FIBER PANEL VWC → VINYL WALL COVERING	
<b>BASE FINISH ABBREVIATIONS</b>	
CPT → CARPET CT → CERAMIC TILE RB → RESILIENT BASE RSP → RESILIENT SHEET FLOOR SS → SOLID SURFACE BASE VB → VENTED BASE	
<b>FLOOR FINISH ABBREVIATIONS</b>	
CONCD → CONCRETE - DECORATIVE/APPLIED FINISH CONCS → CONCRETE - WITH APPLIED SURFACE SEALER CPT → CARPET CT → CERAMIC TILE RFT → RESILIENT RUBBER FLOOR TILE RSP → RESILIENT SHEET FLOOR WF → WOOD FLOORING SYSTEM	
<b>GENERAL NOTES</b>	
1. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES, HEIGHTS AND FINISH INFORMATION.	
2. AT CERAMIC TILE LOCATIONS, INSTALLER TO USE APPROPRIATE TROWEL TO ACCOMMODATE DIFFERENT TILE THICKNESSES.	
3. REFER TO STRUCTURAL DRAWINGS FOR DEPRESSED SLAB LOCATIONS, INDICATIVE OF MUSET BEDS AT CERAMIC TILE. SLOPE MUSET TO DRAINS. REFER TO ARCHITECTURAL DRAWINGS FOR DRAIN ELEVATIONS AND LOCATIONS.	
4. PROVIDE ANTI-FRACTURE MEMBRANE AT ALL THINSET CERAMIC TILE LOCATIONS, UNLESS OTHERWISE NOTED.	
5. PROVIDE RESILIENT BASE AT TOE KICK OF ALL CASEWORK AND BEHIND ALL MOVABLE EQUIPMENT/APPLIANCES, WHEN SCHEDULED WITHIN A ROOM.	
6. ALL WALL MOUNTED MECHANICAL EQUIPMENT (DIFFUSERS, GRILLES, ETC) AND ELECTRICAL EQUIPMENT PANELS, ETC SHALL BE PAINTED TO MATCH THE ADJACENT WALL COLOR. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR QUANTITIES AND LOCATIONS.	
7. REFER TO SPEC. SECTION 01200 FOR COMPLETE LIST AND DESCRIPTION OF ALTERNATIVES.	
8. WHERE REMOVAL OR MODIFICATION TO A FINISH MATERIAL IS SHOWN, BUT NEW FINISHES ARE NOT SCHEDULED, PATCH AND REPAIR TO MATCH EXISTING FINISH CONDITION AS REQUIRED.	
9. PROVIDE APPROPRIATE TRANSITION STRIPS BETWEEN DISSIMILAR FLOORING MATERIALS AT VERTICAL AND/OR HORIZONTAL APPLICATIONS.	
10. CARPET EDGES SHALL BE CAPTURED BY NOSING. NOSING SHALL BE MITERED AT ALL OUTSIDE AND INSIDE CORNER CONDITIONS. ALL EDGES OF CARPET SHALL BE SEALED WITH A SEAM-SEALER.	
11. WHEN CARPET IS SPECIFIED WITHIN A ROOM, ALL EXPOSED VERTICAL SIDES OF STAIR SHALL BE CARPETED.	
12. FLOORING CONTRACTOR SHALL INSTALL INSERTS TO MATCH ADJACENT FLOORING MATERIAL AT ALL ELECTRICAL FLOOR BOX COVERS AS REQUIRED.	
13. FOR MORE INFORMATION REGARDING THRESHOLDS AT TILE INSTALLATIONS, SEE DOOR SCHEDULE SHEET.	
<b>SPECIFIC NOTES</b>	
① FOR CONCD PATTERN LAYOUT AND CONTROL JOINTS, SEE A11 SHEETS, TYP.	
② CT2 AT SHOWER ONLY, TYP.	
③ WALL PROTECTION HEIGHT TO BE 34 INCHES A.F.F. PROVIDE ALL NECESSARY TRIM APPLICATIONS AND CAULK. TRIM AND CAULK COLOR TO MATCH ADJACENT WALL PROTECTION. INSTALLED ON 0" P. WALLS ONLY, U.O.N.	
④ SEE ELEVATIONS 8 & 9 AND 10 ON SHEET A7.8 FOR TYPICAL WALL TILE LAYOUT. SEE ELEVATION 11 ON SHEET A7.8 FOR TYPICAL TOILET ROOM PAINT PATTERN.	
⑤ CT8 INSTALLED FROM FLOOR TO CEILING. METAL COVE BASE INSTALLED AT TRANSITION FROM WALL TILE AND FLOOR MATERIAL.	
⑥ SEE MILLWORK DETAILS FOR SOLID SURFACE BASE LOCATION	
⑦ PAINT ALL SIDES OF EXPOSED COLUMN. SEE 10 SERIES SHEETS FOR DESIGNATION.	
⑧ PAINT EPS FROM FLOOR TO TOP OF DOOR FRAMES, TYP. EP1 FROM DOOR FRAMES TO CEILING, TYP.	
⑨ ACoustical WALL PANEL (AWP-ID) INSTALLED ON PERIMETER VERTICAL FACE OF SOFFIT. REFER TO INTERIOR ELEVATIONS FOR DETAILS.	
⑩ PAINT ALL COLUMNS FROM FLOOR TO UNDERSIDE OF SOFFIT PT4. PAINT ALL COLUMNS ABOVE SOFFIT TO CEILING PT5.	
⑪ CT5 INSTALLED HORIZONTAL. 1/2" OFFSET FROM EXTENTS SPECIFIED ON A10 SERIES. INSTALL FROM COUNTERTOP TO TOP OF CABINETS. WHERE CABINETS ARE NOT PRESENT, INSTALL TO ALIGN WITH TOP OF CABINETS ADJACENT AND FINISH WITH METAL TRIM ON ALL EXPOSED SIDES.	
⑫ PAINT HOLLOW METAL WINDOW FRAME ON ACTIVE STUDIO AND PASSAGE SIDE FOR INDICATED WINDOWS ONLY. REFER TO A10 SERIES SHEETS FOR WINDOW DESIGNATIONS AND PAINT COLOR.	
⑬ ACoustical WALL PANEL (AWP-ID) INSTALLED ABOVE LOCKERS. 3'-0" HEIGHT, WIDTH TO EXTEND FULL WIDTH OF WALL.	
⑭ PAINT FROM FLOOR TO 8 COURSES ABOVE FLOOR: EP2; PAINT COURSES 9 AND 10: EP15. TO FINISHED CEILING EP2. SEE ELEVATION 4 ON A7.1 SHEET FOR DETAILS.	
<b>WINDOW TREATMENT LEGEND</b>	
WINDOW TREATMENT CONTROL MECHANISM LOCATION (IF MANUAL)	
▲ TYPE 'A' - MANUAL, 3% OPEN SHADE	◊ TYPE 'C' - MANUAL, 0% OPEN SHADE
◊ TYPE 'B' - MOTORIZED, 3% OPEN SHADE	
<b>PATTERN DETAILS (FLOORS/WALLS)</b>	
PLANK FLOORING INSTALLATION DIRECTION, TYPICAL U.O.N.	
WALL PROTECTION LOCATIONS, TYPICAL U.O.N.	



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**REGISTRATION SEAL**

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**CONSULTANT**

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PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**First Level Finish Plan - Zone 'F'**



KEY PLAN

ISSUE DATES

DATE	ISSUED FOR
06-18-2024	CONSTRUCTION DOCUMENTS

DRAWN lb  
CHECKED lc  
APPROVED dl

PROJECT NO.  
**22102**

DRAWING NO.  
**A10.1F**

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FIRST LEVEL FINISH PLAN - ZONE 'F'  
SCALE: 1/8" = 1'-0"



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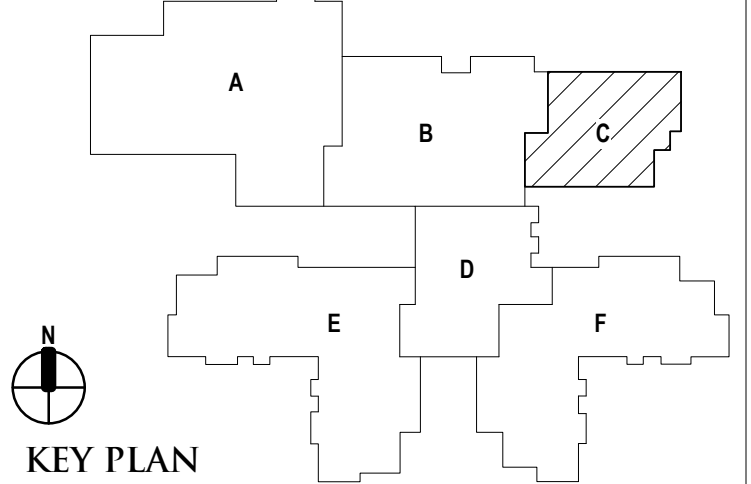
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH  
 MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Mezzanine Level Finish Plan -  
 Zone 'C'**



ISSUE DATES

06-18-2024 CONSTRUCTION DOCUMENTS

DATE ISSUED FOR:

DRAWN lb

CHECKED lc

APPROVED dl

PROJECT NO.

**22102**

DRAWING NO.

**A10.2C**

**FINISH LEGEND**

ROOM FINISH TAGS	FINISH LEGEND
ROOM NAME AND NUMBER PLUS GENERAL ROOM FINISH INFORMATION. FINISH TAGS SHALL APPLY TO ALL LIKE MATERIALS WITHIN A ROOM (U.O.N.)	FINISH LEGEND IS GENERAL. SEE SPECIFICATIONS FOR SPECIFIC FINISH INFORMATION. MULTIPLE FINISH TYPES ARE DENOTED BY NUMBER FOLLOWING ABBREVIATION.
CLASSROOM ITT PT RB CPT	
	DENOTES PATTERN DETAIL SEE "SPECIFIC NOTES" BELOW

**WALL FINISH ABBREVIATIONS**

AWP	ACOUSTICAL WALL PANEL
BB	BULLETIN BOARD
CT	CERAMIC TILE
DWF	DECORATIVE WINDOW FILM
EP	EPOXY PAINT
GW	GREENERY WALL
PT	PAINT
WP	PROTECTIVE WALL PANELS
WFP	WOOD FIBER PANEL
VWC	VINYL WALL COVERING

**BASE FINISH ABBREVIATIONS**

CPT	CARPET
CT	CERAMIC TILE
RB	RESILIENT BASE
RSF	RESILIENT SHEET FLOOR
SS	SOLID SURFACE BASE
VB	VENTED BASE

**FLOOR FINISH ABBREVIATIONS**

CONCD	CONCRETE - DECORATIVE/APPLIED FINISH
CONCS	CONCRETE - WITH APPLIED SURFACE SEALER
CPT	CARPET
CT	CERAMIC TILE
RFT	RESILIENT RUBBER FLOOR TILE
RSF	RESILIENT SHEET FLOOR
WD	WOOD FLOORING SYSTEM

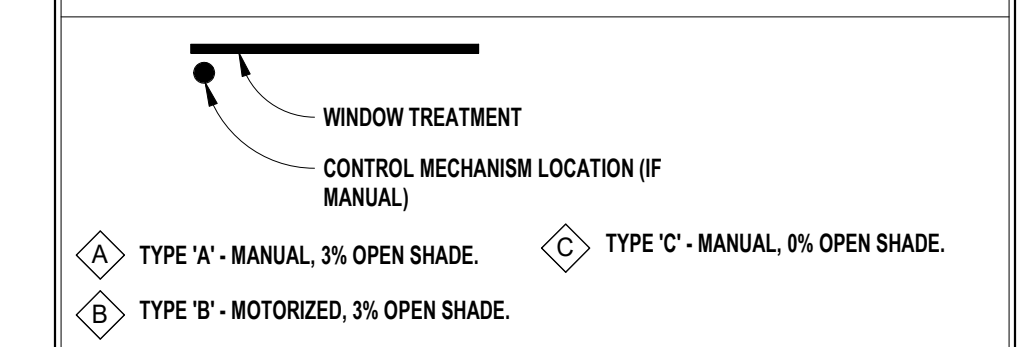
**GENERAL NOTES**

- REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES, HEIGHTS AND FINISH INFORMATION.
- AT CERAMIC TILE LOCATIONS, INSTALLER TO USE APPROPRIATE TROWEL TO ACCOMMODATE DIFFERENT TILE THICKNESSES.
- REFER TO STRUCTURAL DRAWINGS FOR DEPRESSED SLAB LOCATIONS, INDICATIVE OF MUDSET BEDS AT CERAMIC TILE. SLOPE MUDSET TO DRAINS. REFER TO ARCHITECTURAL DRAWINGS FOR DRAIN ELEVATIONS AND LOCATIONS.
- PROVIDE ANTI-FRACTURE MEMBRANE AT ALL THINSET CERAMIC TILE LOCATIONS, UNLESS OTHERWISE NOTED.
- PROVIDE RESILIENT BASE AT TOE KICK OF ALL CASEWORK AND BEHIND ALL MOVABLE EQUIPMENT/APPLIANCES, WHEN SCHEDULED WITHIN A ROOM.
- ALL WALL MOUNTED MECHANICAL EQUIPMENT (DIFFUSERS, GRILLES, ETC) AND ELECTRICAL EQUIPMENT (PANELS, ETC) SHALL BE PAINTED TO MATCH THE ADJACENT WALL COLOR. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR QUANTITIES AND LOCATIONS.
- REFER TO SPEC. SECTION 01200 FOR COMPLETE LIST AND DESCRIPTION OF ALTERNATIVES.
- WHERE REMOVAL OR MODIFICATION TO A FINISH MATERIAL IS SHOWN, BUT NEW FINISHES ARE NOT SCHEDULED, PATCH AND REPAIR TO MATCH EXISTING FINISH CONDITION AS REQUIRED.
- PROVIDE APPROPRIATE TRANSITION STRIPS BETWEEN DISSIMILAR FLOORING MATERIALS AT VERTICAL AND/OR HORIZONTAL APPLICATIONS.
- CARPET EDGES SHALL BE CAPTURED BY NOSING, NOSING SHALL BE MITERED AT ALL OUTSIDE AND INSIDE CORNER CONDITIONS. ALL EDGES OF CARPET SHALL BE SEALED WITH A SEAM-SEALER.
- WHEN CARPET IS SPECIFIED WITHIN A ROOM, ALL EXPOSED VERTICAL SIDES OF STAIR SHALL BE CARPETED.
- FLOORING CONTRACTOR SHALL INSTALL INSERTS TO MATCH ADJACENT FLOORING MATERIAL AT ALL ELECTRICAL FLOOR BOX COVERS AS REQUIRED.
- FOR MORE INFORMATION REGARDING THRESHOLDS AT TILE INSTALLATIONS, SEE DOOR SCHEDULE SHEET.

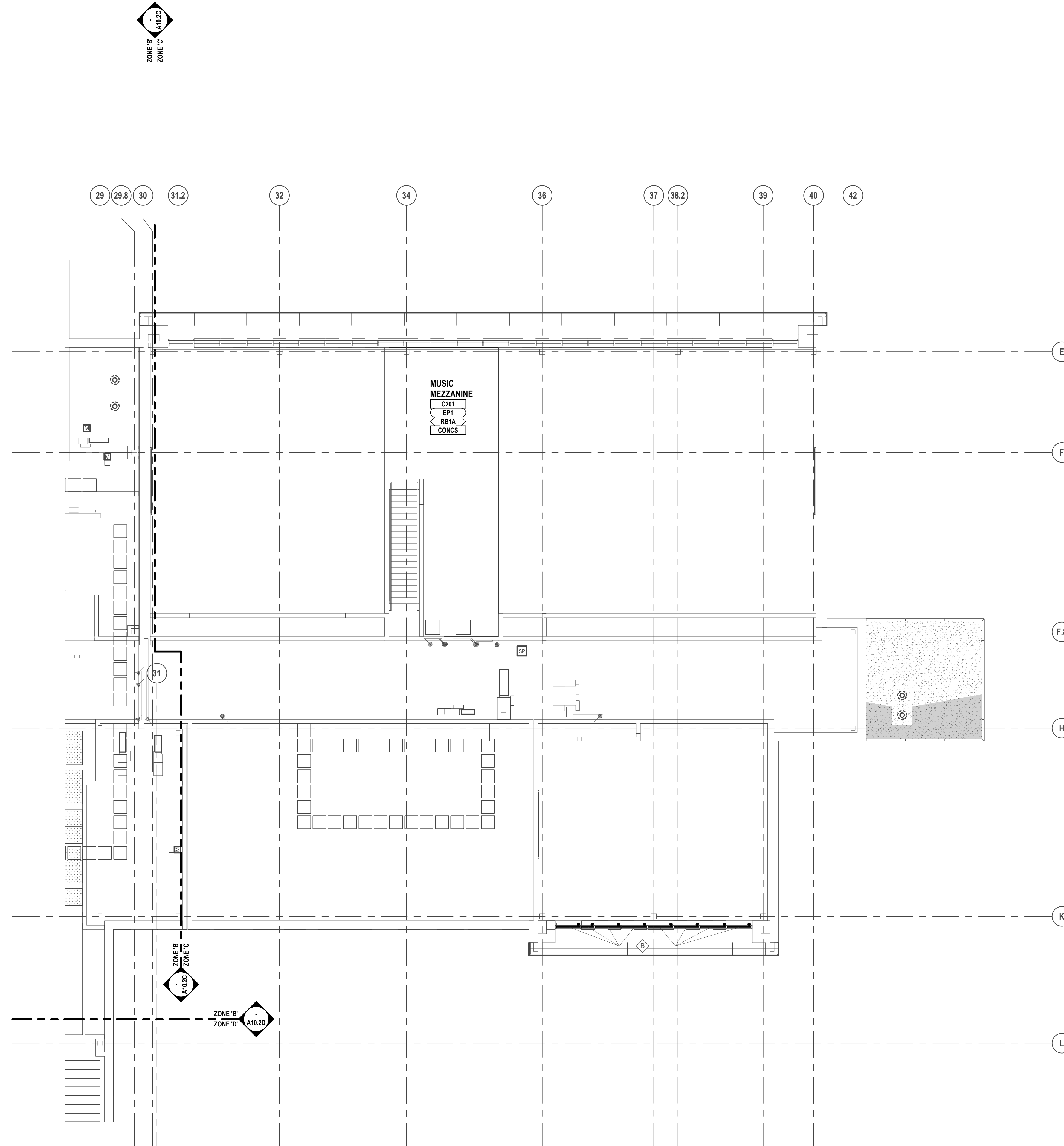
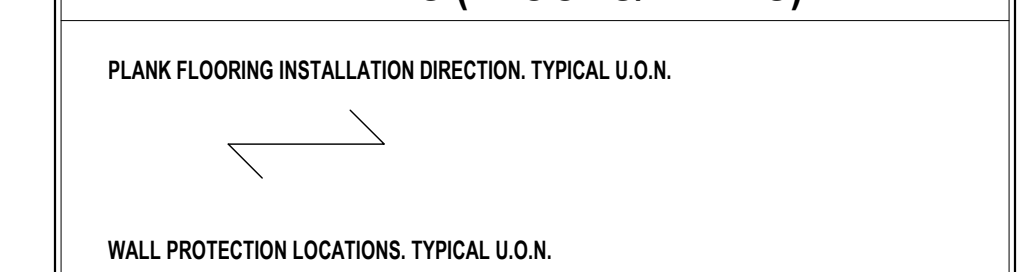
**SPECIFIC NOTES**

- FOR CONCD-PATTERN LAYOUT AND CONTROL JOINTS, SEE A11 SHEETS, TYP.
- PROTECTION HEIGHT TO BE 34 INCHES A.F.F. PROVIDE ALL NECESSARY TRIM APPLICATIONS AND CAULK. TRIM AND CAULK COLOR TO MATCH ADJACENT WALL PROTECTION. INSTALLED ON GYP. WALLS ONLY. U.O.N.
- SEE ELEVATIONS 8, 9 AND 10 ON SHEET A7.8 FOR TYPICAL WALL TILE LAYOUT. SEE ELEVATION 11 ON SHEET A7.8 FOR TYPICAL TOILET ROOM PAINT PATTERN.
- CTS INSTALLED FROM FLOOR TO CEILING. METAL COVE BASE INSTALLED AT TRANSITION FROM WALL, TILE AND FLOOR MATERIAL.
- SEE MILLWORK DETAILS FOR SOLID SURFACE BASE LOCATION
- PAINT ALL SIDES OF EXPOSED COLUMN. SEE 10 SERIES SHEETS FOR DESIGNATION.
- PAINT EPS FROM FLOOR TO TOP OF DOOR FRAMES, TYP. EP1 FROM DOOR FRAMES TO CEILING, TYP.
- ACOUSTICAL WALL PANEL (AWP10) INSTALLED ON PERIMETER VERTICAL FACE OF SOFFIT. REFER TO INTERIOR ELEVATIONS FOR DETAILS.
- PAINT ALL COLUMNS FROM FLOOR TO UNDERSIDE OF SOFFIT PT4. PAINT ALL COLUMNS ABOVE SOFFIT TO CEILING PT5.
- CTS INSTALLED HORIZONTAL, 1/3 OFFSET FROM EXTENTS SPECIFIED ON A10 SERIES. INSTALL FROM COUNTERTOP TO TOP OF CABINETS. WHERE CABINETS ARE NOT PRESENT, INSTALL TO ALIGN WITH TOP OF CABINETS ADJACENT AND FINISH WITH METAL TRIM ON ALL EXPOSED SIDES.
- PAINT HOLLOW METAL WINDOW FRAME ON ACTIVE STUDIO AND PASSAGE SIDE FOR INDICATED WINDOWS ONLY. REFER TO A10 SERIES SHEETS FOR WINDOW DESIGNATIONS AND PAINT COLOR.
- ACOUSTICAL WALL PANEL (AWP10) INSTALLED ABOVE LOCKERS. 3'-0" HEIGHT, WIDTH TO EXTEND FULL WIDTH OF WALL.
- PAINT FROM FLOOR TO 8 COURSES ABOVE FLOOR. EP2. PAINT COURSES 9 AND 10: EP15. TO FINISHED CEILING EP2. SEE ELEVATION 4 ON A7.1 SHEET FOR DETAILS.

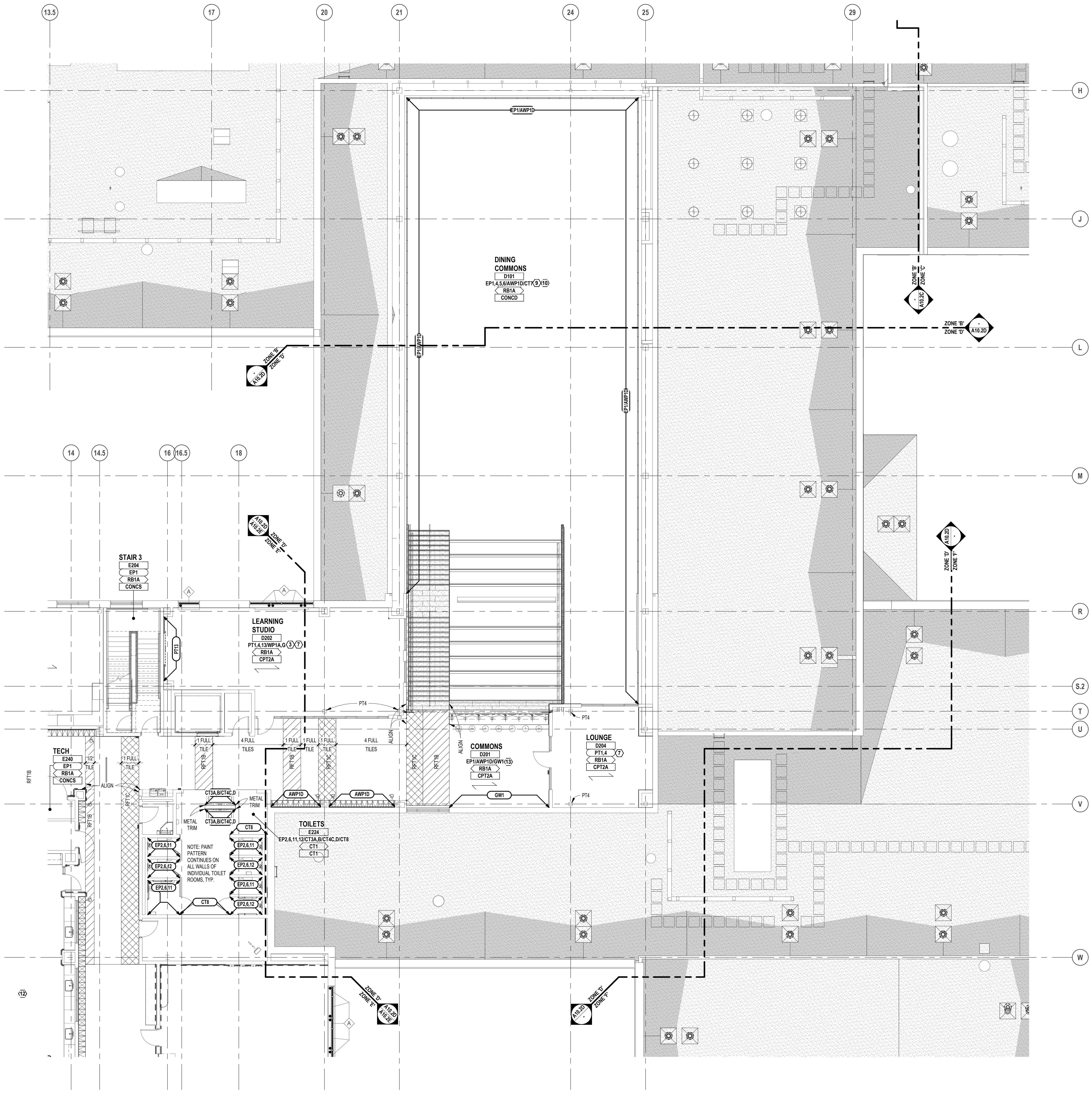
**WINDOW TREATMENT LEGEND**



**PATTERN DETAILS (FLOORS/WALLS)**



MEZZANINE LEVEL FINISH PLAN - ZONE 'C'  
 SCALE: 1/8" = 1'-0"



FINISH LEGEND	
<b>ROOM FINISH TAGS</b>	<b>FINISH LEGEND</b>
ROOM NAME AND NUMBER PLUS GENERAL ROOM FINISH INFORMATION. FINISH TAGS SHALL APPLY TO ALL LIKE MATERIALS WITHIN A ROOM (UON)	FINISH LEGEND IS GENERAL. SEE SPECIFICATIONS FOR SPECIFIC FINISH INFORMATION. MULTIPLE FINISH TYPES ARE IDENTIFIED BY NUMBER FOLLOWING ABBREVIATION.
CLASSROOM - ROOM NAME	PT-P (E)
PT - ROOM NUMBER	RB (E)
PT - WALL FINISH (SEE BELOW)	CPT-P (E)
RB - BASE (SEE BELOW)	
CPT - FLOOR FINISH (SEE BELOW)	

DEFINES PATTERN DETAIL. SEE "SPECIFIC NOTES" BELOW

WALL FINISH ABBREVIATIONS	
AWP	ACOUSTICAL WALL PANEL
BB	BULLETIN BOARD
CT	CERAMIC TILE
DWF	DECORATIVE WINDOW FILM
EP	EPOXY PAINT
GW	GREENERY WALL
PT	PAINT
WP	PROTECTIVE WALL PANELS
WFP	WOOD FIBER PANEL
VWC	VINYL WALL COVERING

BASE FINISH ABBREVIATIONS	
CPT	CARPET
CT	CERAMIC TILE
RB	RESILIENT BASE
RSF	RESILIENT SHEET FLOOR
SS	SOLID SURFACE BASE
VB	VENTED BASE

FLOOR FINISH ABBREVIATIONS	
CONCD	CONCRETE - DECORATIVE/APPLIED FINISH
CONCS	CONCRETE - WITH APPLIED SURFACE SEALER
CPT	CARPET
CT	CERAMIC TILE
RFT	RESILIENT RUBBER FLOOR TILE
RSF	RESILIENT SHEET FLOOR
WD	WOOD FLOORING SYSTEM

- ### GENERAL NOTES
- REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES, HEIGHTS AND FINISH INFORMATION.
  - AT CERAMIC TILE LOCATIONS, INSTALLER TO USE APPROPRIATE TROWEL TO ACCOMMODATE DIFFERENT TILE THICKNESSES.
  - REFER TO STRUCTURAL DRAWINGS FOR DEPRESSED SLAB LOCATIONS, INDICATIVE OF MUSET BEDS AT CERAMIC TILE. SLOPE MUSET TO DRAINS. REFER TO ARCHITECTURAL DRAWINGS FOR DRAIN ELEVATIONS AND LOCATIONS.
  - PROVIDE ANTI-FRACTURE MEMBRANE AT ALL THINSET CERAMIC TILE LOCATIONS, UNLESS OTHERWISE NOTED.
  - PROVIDE RESILIENT BASE AT TOE KICK OF ALL CASEWORK AND BEHIND ALL MOVABLE EQUIPMENT/APPLIANCES, WHEN SCHEDULED WITHIN A ROOM.
  - ALL WALL MOUNTED MECHANICAL EQUIPMENT (DIFFUSERS, GRILLES, ETC) AND ELECTRICAL EQUIPMENT (PANELS, ETC) SHALL BE PAINTED TO MATCH THE ADJACENT WALL COLOR. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR QUANTITIES AND LOCATIONS.
  - REFER TO SPEC. SECTION 01200 FOR COMPLETE LIST AND DESCRIPTION OF ALTERNATIVES.
  - WHERE REMOVAL OR MODIFICATION TO A FINISH MATERIAL IS SHOWN, BUT NEW FINISHES ARE NOT SCHEDULED, PATCH AND REPAIR TO MATCH EXISTING FINISH CONDITION AS REQUIRED.
  - PROVIDE APPROPRIATE TRANSITION STRIPS BETWEEN DISSIMILAR FLOORING MATERIALS AT VERTICAL AND/OR HORIZONTAL APPLICATIONS.
  - CARPET EDGES SHALL BE CAPTURED BY NOSING. NOSING SHALL BE MITERED AT ALL OUTSIDE AND INSIDE CORNER CONDITIONS. ALL EDGES OF CARPET SHALL BE SEALED WITH A SEAM-SEALER.
  - WHEN CARPET IS SPECIFIED WITHIN A ROOM, ALL EXPOSED VERTICAL SIDES OF STAIR SHALL BE CARPETED.
  - FLOORING CONTRACTOR SHALL INSTALL INSERTS TO MATCH ADJACENT FLOORING MATERIAL AT ALL ELECTRICAL FLOOR BOX COVERS AS REQUIRED.
  - FOR MORE INFORMATION REGARDING THRESHOLDS AT TILE INSTALLATIONS, SEE DOOR SCHEDULE SHEET.

- ### SPECIFIC NOTES
- FOR CONCD PATTERN LAYOUT AND CONTROL JOINTS, SEE A11 SHEETS, TYP.
  - CT2 AT SHOWER ONLY, TYP.
  - WALL PROTECTION HEIGHT TO BE 34 INCHES A.F.F. PROVIDE ALL NECESSARY TRIM APPLICATIONS AND CAULK TRIM AND CAULK COLOR TO MATCH ADJACENT WALL PROTECTION. INSTALLED ON OVP WALLS ONLY. U.O.N.
  - SEE ELEVATIONS 8 AND 10 ON SHEET A7.8 FOR TYPICAL WALL TILE LAYOUT. SEE ELEVATION 11 ON SHEET A7.8 FOR TYPICAL TOILET ROOM PAINT PATTERN.
  - CT8 INSTALLED FROM FLOOR TO CEILING. METAL COVE BASE INSTALLED AT TRANSITION FROM WALL, TILE AND FLOOR MATERIAL.
  - SEE MILLWORK DETAILS FOR SOLID SURFACE BASE LOCATION.
  - PANT ALL SIDES OF EXPOSED COLUMN. SEE 10 SERIES SHEETS FOR DESIGNATION.
  - PANT EP2 FROM FLOOR TO TOP OF DOOR FRAMES, TYP. EP1 FROM DOOR FRAMES TO CEILING, TYP.
  - ACOUSTICAL WALL PANEL (AWPID) INSTALLED ON PERIMETER VERTICAL FACE OF SOFFIT. REFER TO INTERIOR ELEVATIONS FOR DETAILS.
  - CT8 INSTALLED HORIZONTAL, 1/3 OFFSET FROM EXTENTS SPECIFIED ON A10 SERIES. INSTALL FROM COUNTERTOP TO TOP OF CABINETS, WHERE CABINETS ARE NOT PRESENT. INSTALL TO ALIGN WITH TOP OF CABINETS ADJACENT AND FINISH WITH METAL TRIM ON ALL EXPOSED SIDES.
  - CT8 INSTALLED HORIZONTAL, 1/3 OFFSET FROM EXTENTS SPECIFIED ON A10 SERIES. INSTALL FROM COUNTERTOP TO TOP OF CABINETS, WHERE CABINETS ARE NOT PRESENT. INSTALL TO ALIGN WITH TOP OF CABINETS ADJACENT AND FINISH WITH METAL TRIM ON ALL EXPOSED SIDES.
  - PAINT HOLLOW METAL WINDOW FRAME ON ACTIVE STUDIO AND PASSAGE SIDE FOR INDICATED WINDOWS ONLY. REFER TO A10 SERIES SHEETS FOR WINDOW DESIGNATIONS AND PAINT COLOR.
  - ACOUSTICAL WALL PANEL (AWPID) INSTALLED ABOVE LOCKERS, 3'-0" HEIGHT, WIDTH TO EXTEND FULL WIDTH OF WALL.
  - PAINT FROM FLOOR TO 8 COURSES ABOVE FLOOR. EP2 PAINT COURSES 9 AND 10. EP15 TO FINISHED CEILING EP2. SEE ELEVATION 4 ON A7.1 SHEET FOR DETAILS.

### WINDOW TREATMENT LEGEND

	WINDOW TREATMENT CONTROL MECHANISM LOCATION (IF MANUAL)
	TYPE "A" - MANUAL, 3% OPEN SHADE
	TYPE "B" - MOTORIZED, 3% OPEN SHADE
	TYPE "C" - MANUAL, 0% OPEN SHADE

### PATTERN DETAILS (FLOORS/WALLS)

PLANK FLOORING INSTALLATION DIRECTION, TYPICAL U.O.N.

WALL PROTECTION LOCATIONS, TYPICAL U.O.N.



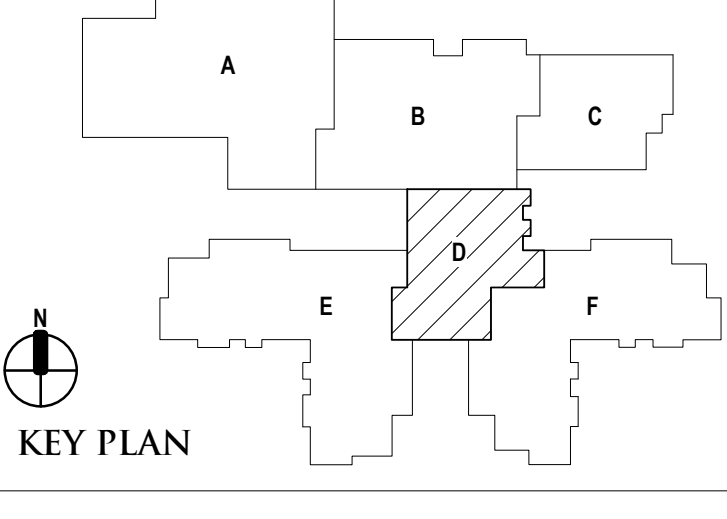
REGISTRATION SEAL

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PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Second Level Finish Plan - Zone 'D'**

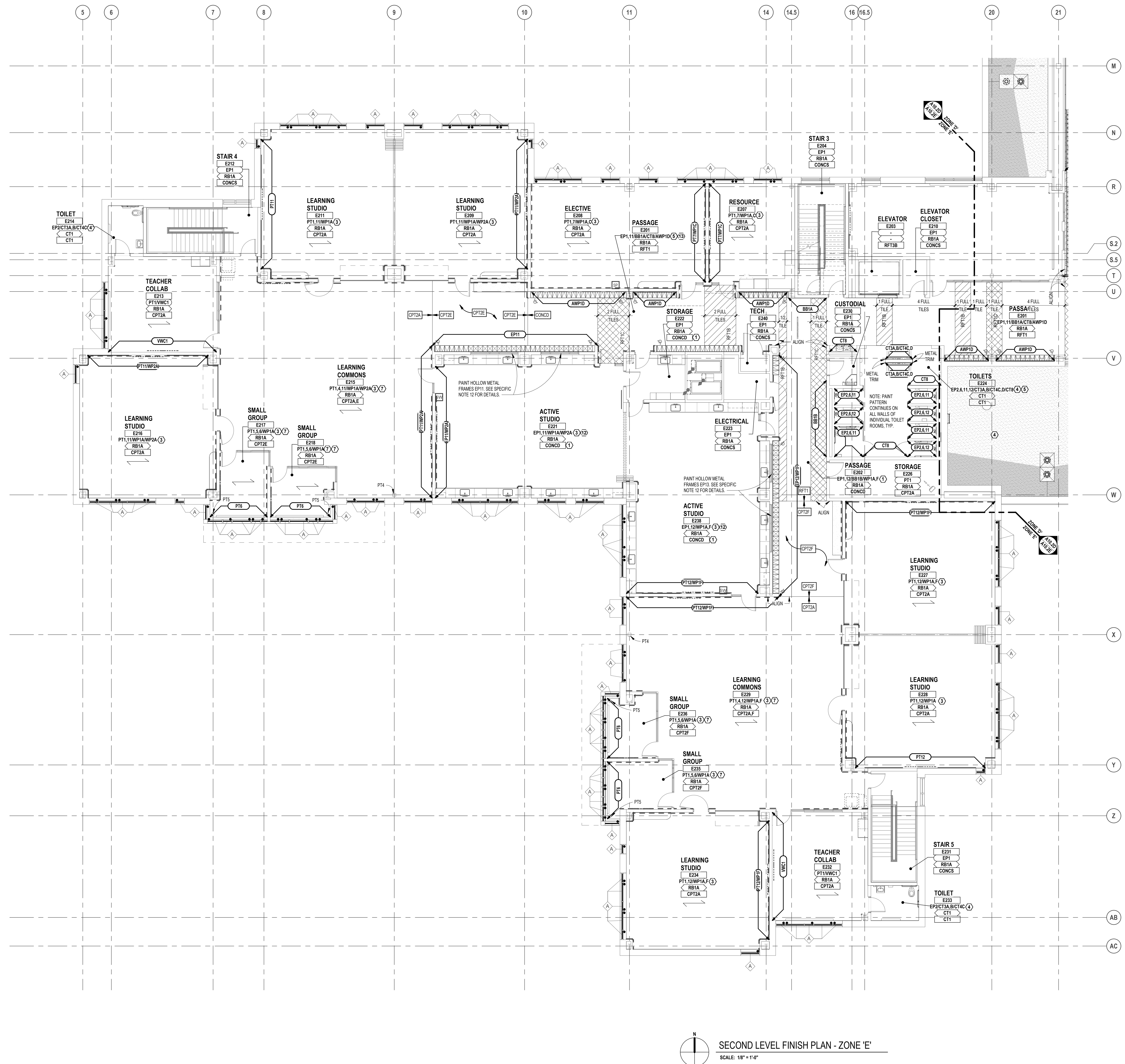


### ISSUE DATES

06-18-2024	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:
DRAWN: lb	
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APPROVED: dl	

PROJECT NO.  
**22102**  
DRAWING NO.  
**A10.2D**

SECOND LEVEL FINISH PLAN - ZONE 'D'  
SCALE: 1/8" = 1'-0"



SECOND LEVEL FINISH PLAN - ZONE 'E'  
SCALE: 1/8" = 1'-0"

**FINISH LEGEND**

**ROOM FINISH TAGS**  
ROOM NAME AND NUMBER PLUS ROOM NUMBER  
FINISH TAGS SHALL APPLY TO ALL LIKE MATERIALS WITHIN A ROOM (UON)

**FINISH LEGEND IS GENERAL**  
SEE SPECIFICATIONS FOR SPECIFIC FINISH INFORMATION.  
MULTIPLE FINISH TYPES ARE IDENTIFIED BY NUMBER FOLLOWING ABBREVIATION.

CLASSROOM → ROOM NAME  
RIT → ROOM NUMBER  
PT → WALL FINISH (SEE BELOW)  
RB → BASE (SEE BELOW)  
CPT → FLOOR FINISH (SEE BELOW)

PT-P → F  
RB → F  
CPT-P → F

DENOTES PATTERN DETAIL  
SEE "SPECIFIC NOTES" BELOW

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**WALL FINISH ABBREVIATIONS**

AWP → ACOUSTICAL WALL PANEL  
BB → BULLETIN BOARD  
CT → CERAMIC TILE  
DWF → DECORATIVE WINDOW FILM  
EP → EPOXY PAINT  
GW → GREENERY WALL  
PW → PAINT  
WP → PROTECTIVE WALL PANELS  
WF → WOOD FIBER PANEL  
VWC → VINYL WALL COVERING

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**BASE FINISH ABBREVIATIONS**

CPT → CARPET  
CT → CERAMIC TILE  
RB → RESILIENT BASE  
RSP → RESILIENT SHEET FLOOR  
SS → SOLID SURFACE BASE  
VB → VENTED BASE

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**FLOOR FINISH ABBREVIATIONS**

CONCD → CONCRETE - DECORATIVE/APPLIED FINISH  
CONCS → CONCRETE - WITH APPLIED SURFACE SEALER  
CPT → CARPET  
CT → CERAMIC TILE  
RFT → RESILIENT RUBBER FLOOR TILE  
RSP → RESILIENT SHEET FLOOR  
WD → WOOD FLOORING SYSTEM

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**GENERAL NOTES**

- REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES, HEIGHTS AND FINISH INFORMATION.
- AT CERAMIC TILE LOCATIONS, INSTALLER TO USE APPROPRIATE TROWEL TO ACCOMMODATE DIFFERENT TILE THICKNESSES.
- REFER TO STRUCTURAL DRAWINGS FOR DERESSED SLAB LOCATIONS, INDICATIVE OF MUSET BEDS AT CERAMIC TILE. SLOPE MUSET TO DRAINS. REFER TO ARCHITECTURAL DRAWINGS FOR DRAIN ELEVATIONS AND LOCATIONS.
- PROVIDE ANTI-FRACTURE MEMBRANE AT ALL THINSET CERAMIC TILE LOCATIONS, UNLESS OTHERWISE NOTED.
- PROVIDE RESILIENT BASE AT TOE KICK OF ALL CASEWORK AND BEHIND ALL MOVABLE EQUIPMENT/APPLIANCES, WHEN SCHEDULED WITHIN A ROOM.
- ALL WALL MOUNTED MECHANICAL EQUIPMENT (DIFFUSERS, GRILLES, ETC) AND ELECTRICAL EQUIPMENT (PANELS, ETC) SHALL BE PAINTED TO MATCH THE ADJACENT WALL COLOR. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR QUANTITIES AND LOCATIONS.
- REFER TO SPEC. SECTION 01200 FOR COMPLETE LIST AND DESCRIPTION OF ALTERNATIVES.
- WHERE REMOVAL OR MODIFICATION TO A FINISH MATERIAL IS SHOWN, BUT NEW FINISHES ARE NOT SCHEDULED, PATCH AND REPAIR TO MATCH EXISTING FINISH CONDITION AS REQUIRED.
- PROVIDE APPROPRIATE TRANSITION STRIPS BETWEEN DISSIMILAR FLOORING MATERIALS AT VERTICAL AND/OR HORIZONTAL APPLICATIONS.
- CARPET EDGES SHALL BE CAPTURED BY NOSING. NOSING SHALL BE MITERED AT ALL OUTSIDE AND INSIDE CORNER CONDITIONS. ALL EDGES OF CARPET SHALL BE SEALED WITH A SEAM-SEALER.
- WHEN CARPET IS SPECIFIED WITHIN A ROOM, ALL EXPOSED VERTICAL SIDES OF STAIR SHALL BE CARPETED.
- FLOORING CONTRACTOR SHALL INSTALL INSERTS TO MATCH ADJACENT FLOORING MATERIAL AT ALL ELECTRICAL FLOOR BOX COVERS AS REQUIRED.
- FOR MORE INFORMATION REGARDING THRESHOLDS AT TILE INSTALLATIONS, SEE DOOR SCHEDULE SHEET.

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**SPECIFIC NOTES**

- FOR CONCD PATTERN LAYOUT AND CONTROL JOINTS, SEE A11 SHEETS, TYP.
- CT AT SHOWER ONLY, TYP.
- WALL PROTECTION HEIGHT TO BE 34 INCHES A.F.F. PROVIDE ALL NECESSARY TRIM APPLICATIONS AND CAULK. TRIM AND CAULK COLOR TO MATCH ADJACENT WALL PROTECTION. INSTALLER TO MATCH ADJACENT WALL COLOR.
- SEE ELEVATIONS 8, 9 AND 10 ON SHEET A7.8 FOR TYPICAL WALL TILE LAYOUT. SEE ELEVATION 11 ON SHEET A7.8 FOR TYPICAL TOILET ROOM PATTERN.
- CTS INSTALLED FROM FLOOR TO CEILING. METAL COVE BASE INSTALLED AT TRANSITION FROM WALL, TILE AND FLOOR MATERIAL.
- SEE MILLWORK DETAILS FOR SOLID SURFACE BASE LOCATION
- PANT ALL SIDES OF EXPOSED COLUMN. SEE 10 SERIES SHEETS FOR DESIGNATION.
- PANT EPF FROM FLOOR TO TOP OF DOOR FRAMES, TYP. EP1 FROM DOOR FRAMES TO CEILING, TYP.
- ACOUSTICAL WALL PANEL (AWP1D) INSTALLED ON PERIMETER VERTICAL FACE OF SOFFIT. REFER TO INTERIOR ELEVATIONS FOR DETAILS.
- PANT ALL COLUMNS FROM FLOOR TO UNDERSIDE OF SOFFIT PT4. PANT ALL COLUMNS ABOVE SOFFIT TO CEILING PT5.
- CTS INSTALLED HORIZONTAL, 1/3 OFFSET FROM EXTENTS SPECIFIED ON A10 SERIES. INSTALL FROM COUNTERTOP TO TOP OF CABINETS. WHERE CABINETS ARE NOT PRESENT, INSTALL TO ALIGN WITH TOP OF CABINETS ADJACENT AND FINISH WITH METAL TRIM ON ALL EXPOSED SIDES.
- PANT HOLLOW METAL WINDOW FRAME ON ACTIVE STUDIO AND PASSAGE SIDE FOR INDICATED WINDOWS ONLY. REFER TO A10 SERIES SHEETS FOR WINDOW DESIGNATIONS AND PAINT COLOR.
- ACOUSTICAL WALL PANEL (AWP1D) INSTALLED ABOVE LOCKERS. 3'-0" HEIGHT, WIDTH TO EXTEND FULL WIDTH OF WALL.
- PANT FROM FLOOR TO 8 COURSES ABOVE FLOOR. EP2. PANT COURSES 9 AND 10: EP15. TO FINISHED CEILING EP2. SEE ELEVATION 4 ON A1.1 SHEET FOR DETAILS.

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**WINDOW TREATMENT LEGEND**

WINDOW TREATMENT  
CONTROL MECHANISM LOCATION (IF MANUAL)

▲ TYPE 'A' - MANUAL, 3% OPEN SHADE.    ◆ TYPE 'C' - MANUAL, 0% OPEN SHADE.  
◆ TYPE 'B' - MOTORIZED, 3% OPEN SHADE.

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**PATTERN DETAILS (FLOORS/WALLS)**

PLANK FLOORING INSTALLATION DIRECTION, TYPICAL U.O.N.

WALL PROTECTION LOCATIONS, TYPICAL U.O.N.

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191 WEST SQUARE LAKE ROAD  
BLOOMFIELD HILLS, MICHIGAN 48302  
PH: 248.338.4541 | FX: 248.338.0223  
EM: INFO@TMP-ARCHITECTURE.COM

---

REGISTRATION SEAL

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CONSULTANT

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PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

---

Troy School District  
Troy, Michigan

---

DRAWING TITLE  
**Second Level Finish Plan - Zone 'E'**

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ISSUE DATES

06-18-2024	CONSTRUCTION DOCUMENTS
DATE:	ISSUED FOR:
DRAWN	lb
CHECKED	lc
APPROVED	dl

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PROJECT NO.  
**22102**

DRAWING NO.  
**A10.2E**

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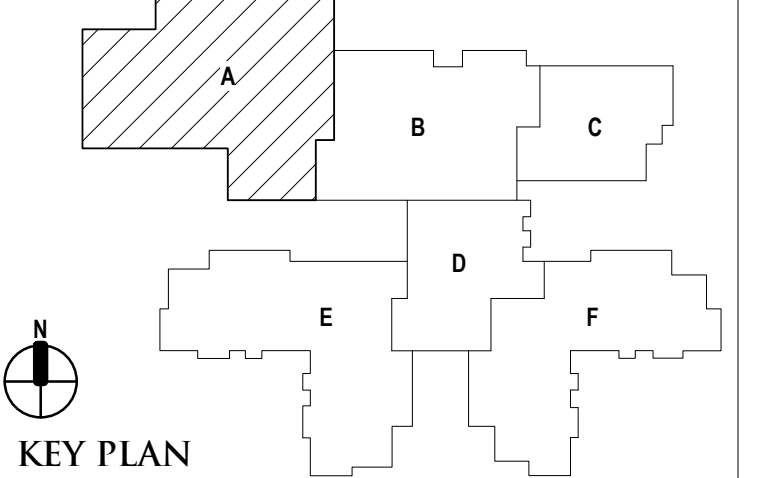
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CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**First Level Slab and Concrete Finish Plan - Zone 'A'**



ISSUE DATES

06-18-2024 CONSTRUCTION DOCUMENTS

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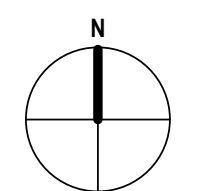
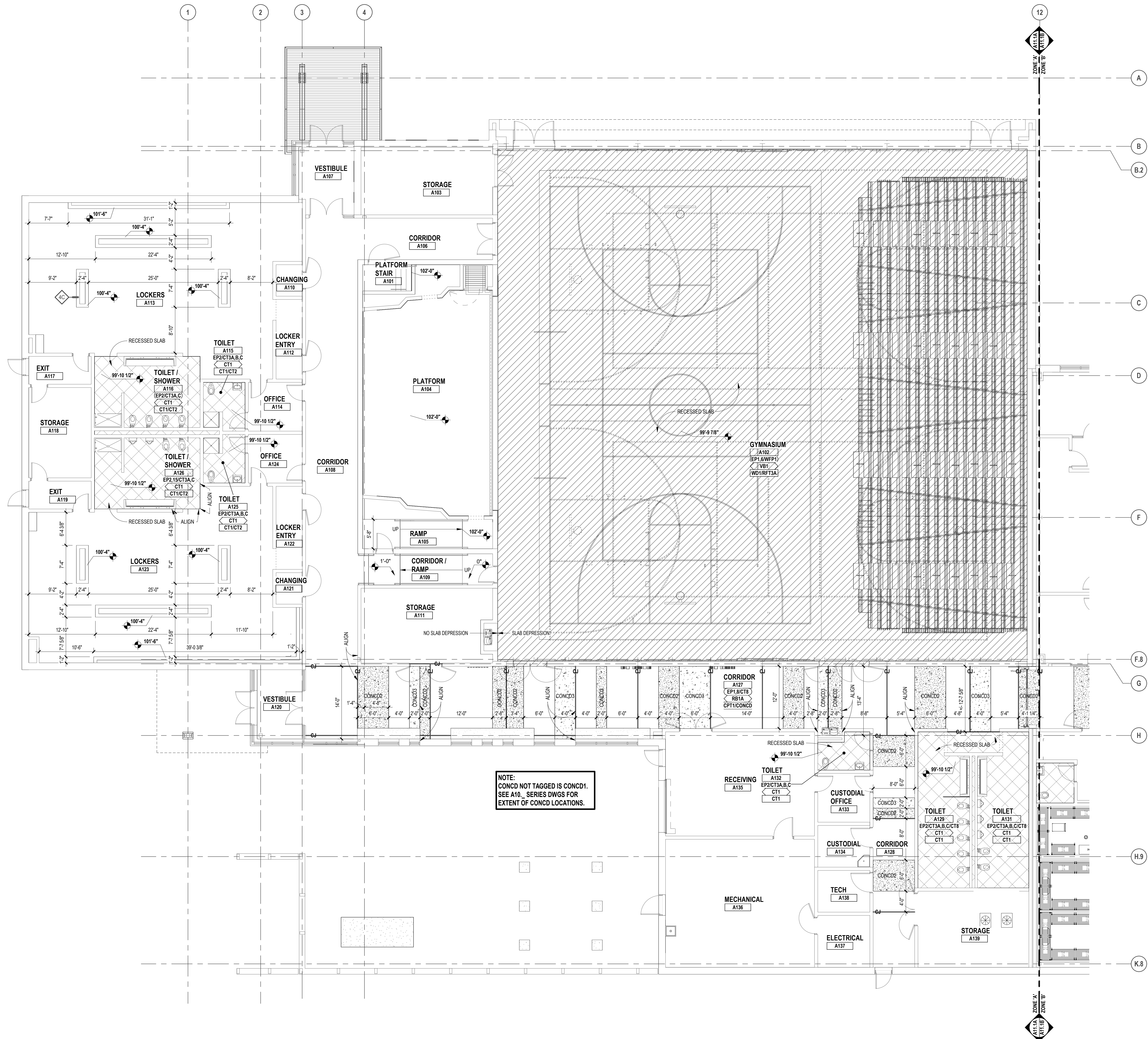
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PROJECT NO.  
**22102**

DRAWING NO.  
**A11.1A**



FIRST LEVEL SLAB & CONCRETE FINISH PLAN - ZONE 'A'

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



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 BLOOMFIELD HILLS, MICHIGAN 48302  
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 EM: INFO@TMP-ARCHITECTURE.COM

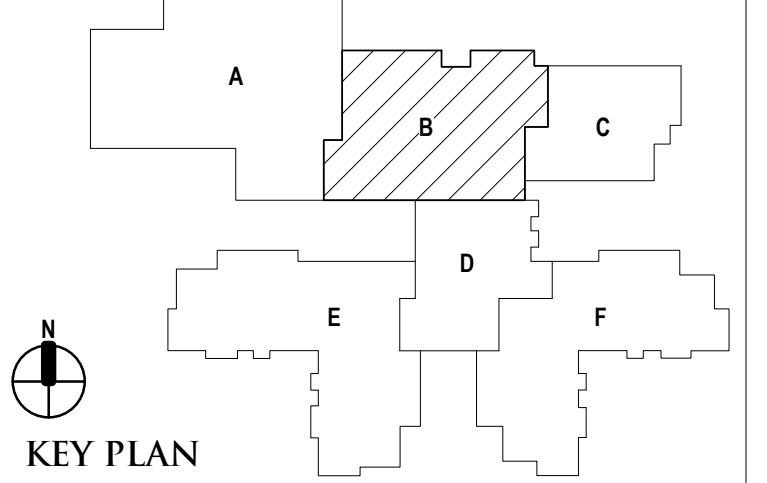
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PROJECT TITLE  
**NEW SMITH  
 MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**First Level Slab and Concrete  
 Finish Plan - Zone 'B'**



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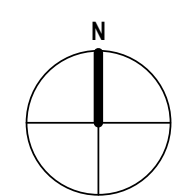
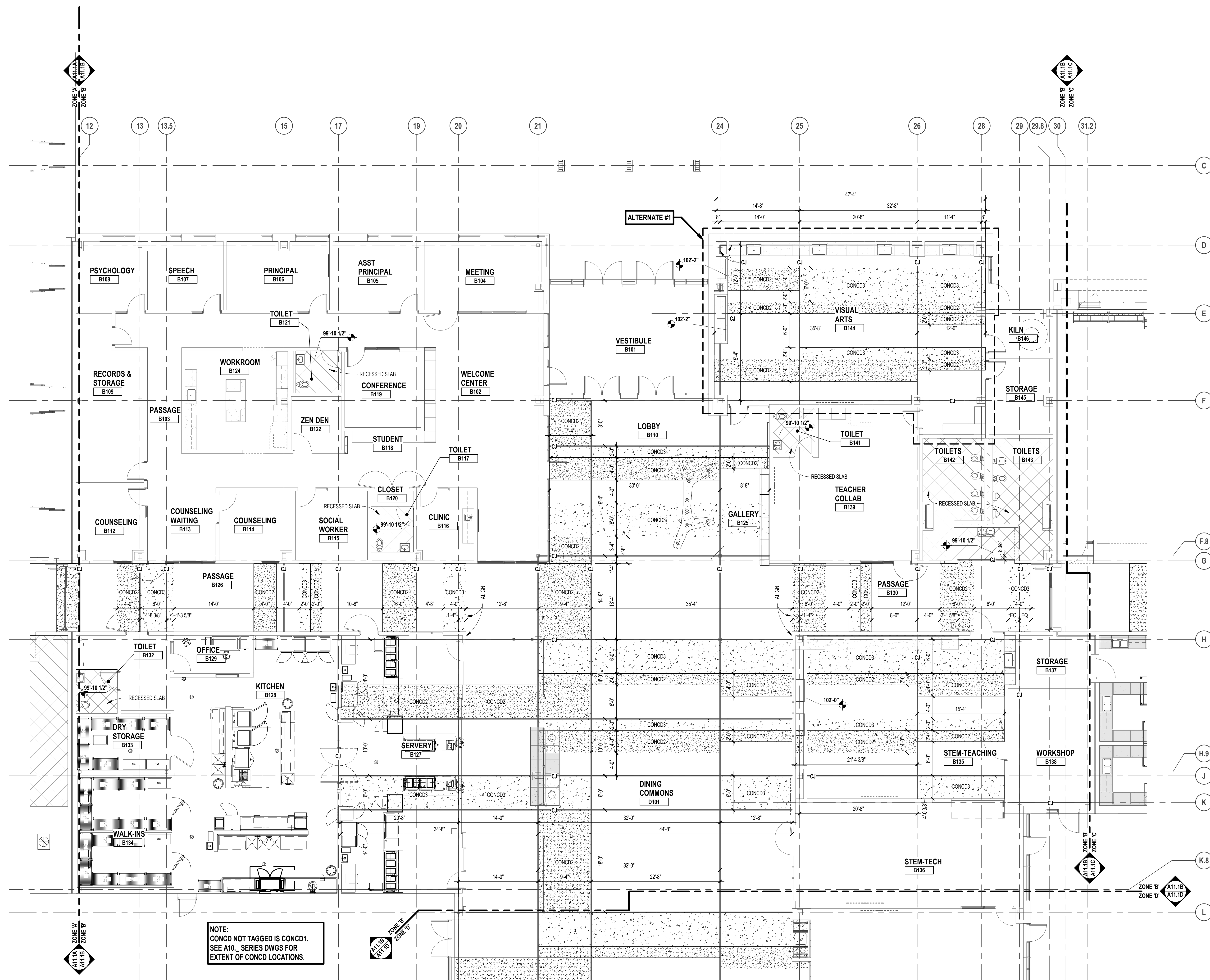
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**22102**

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**A11.1B**



FIRST LEVEL SLAB AND CONCRETE FINISH PLAN - ZONE 'B'

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



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1191 WEST SQUARE LAKE ROAD  
BLOOMFIELD HILLS - MICHIGAN - 48302  
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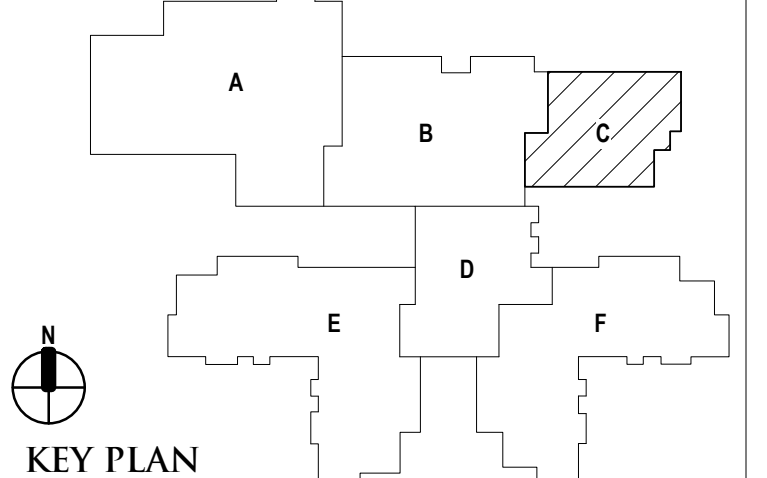
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CONSULTANT

PROJECT TITLE  
**NEW SMITH  
MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**First Level Slab and Concrete  
Finish Plan - Zone 'C'**



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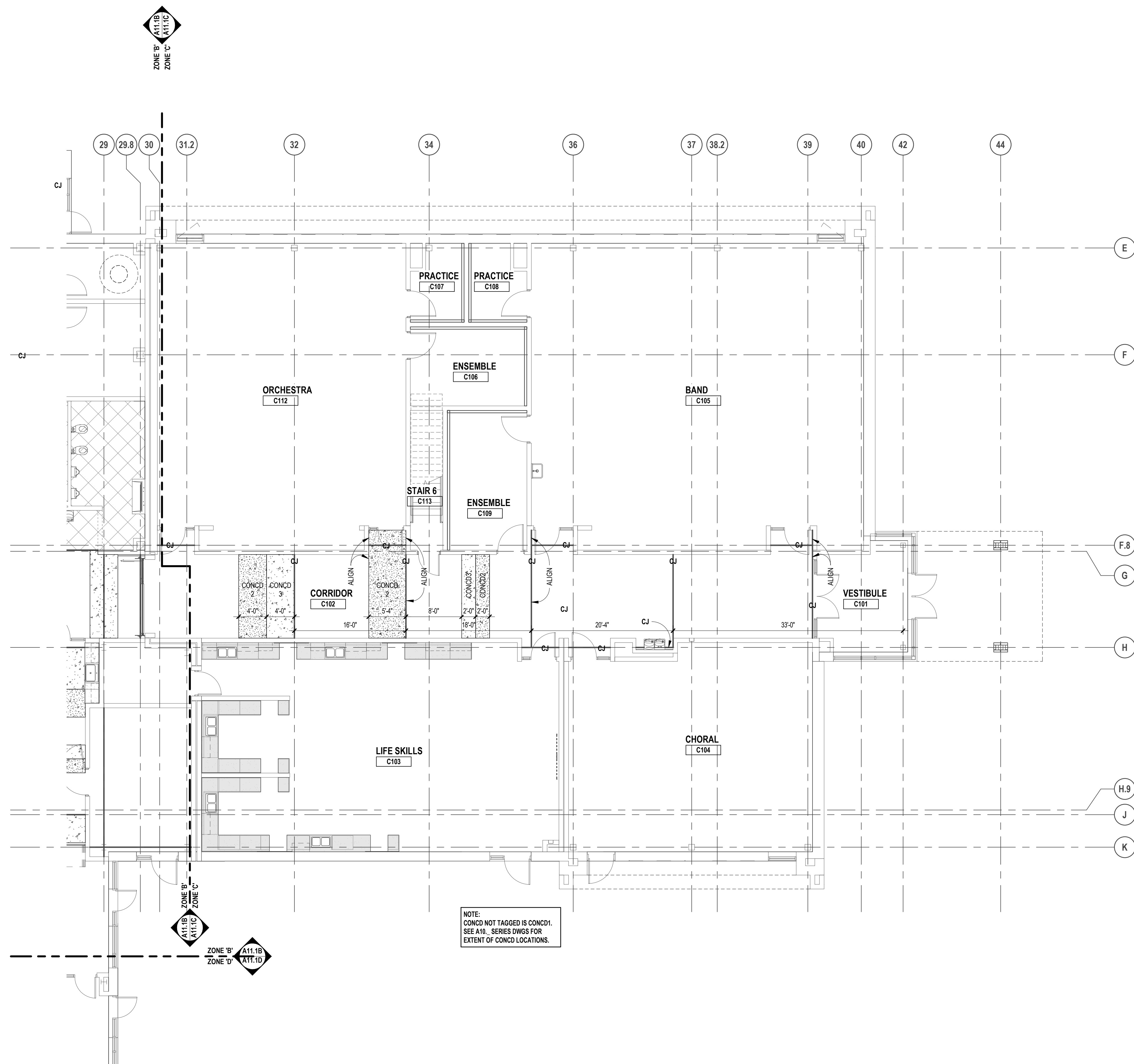
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PROJECT NO.

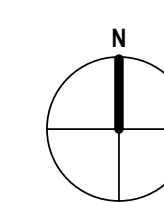
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DRAWING NO.

**A11.1C**



NOTE:  
CONCD NOT TAGGED IS CONCD1.  
SEE A10. SERIES DWGS FOR  
EXTENT OF CONCD LOCATIONS.



FIRST LEVEL SLAB & CONCRETE FINISH PLAN - ZONE 'C'

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



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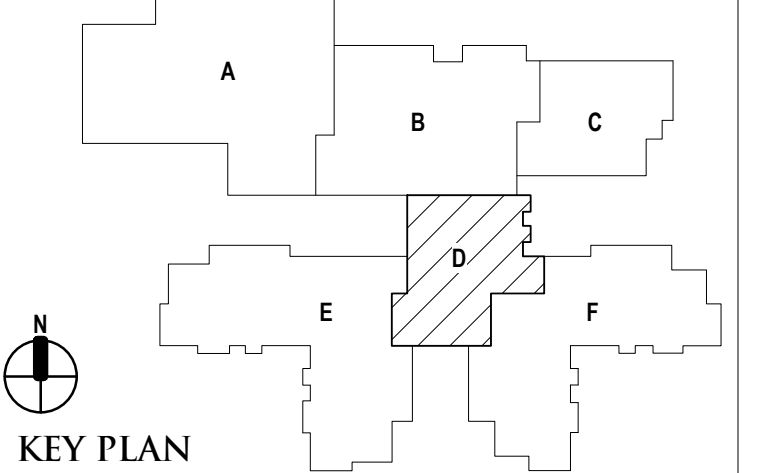
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PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
Bid Package No. 03B

Troy School District  
Troy, Michigan

DRAWING TITLE  
**First Level Slab and Concrete  
Finish Plan - Zone 'D'**



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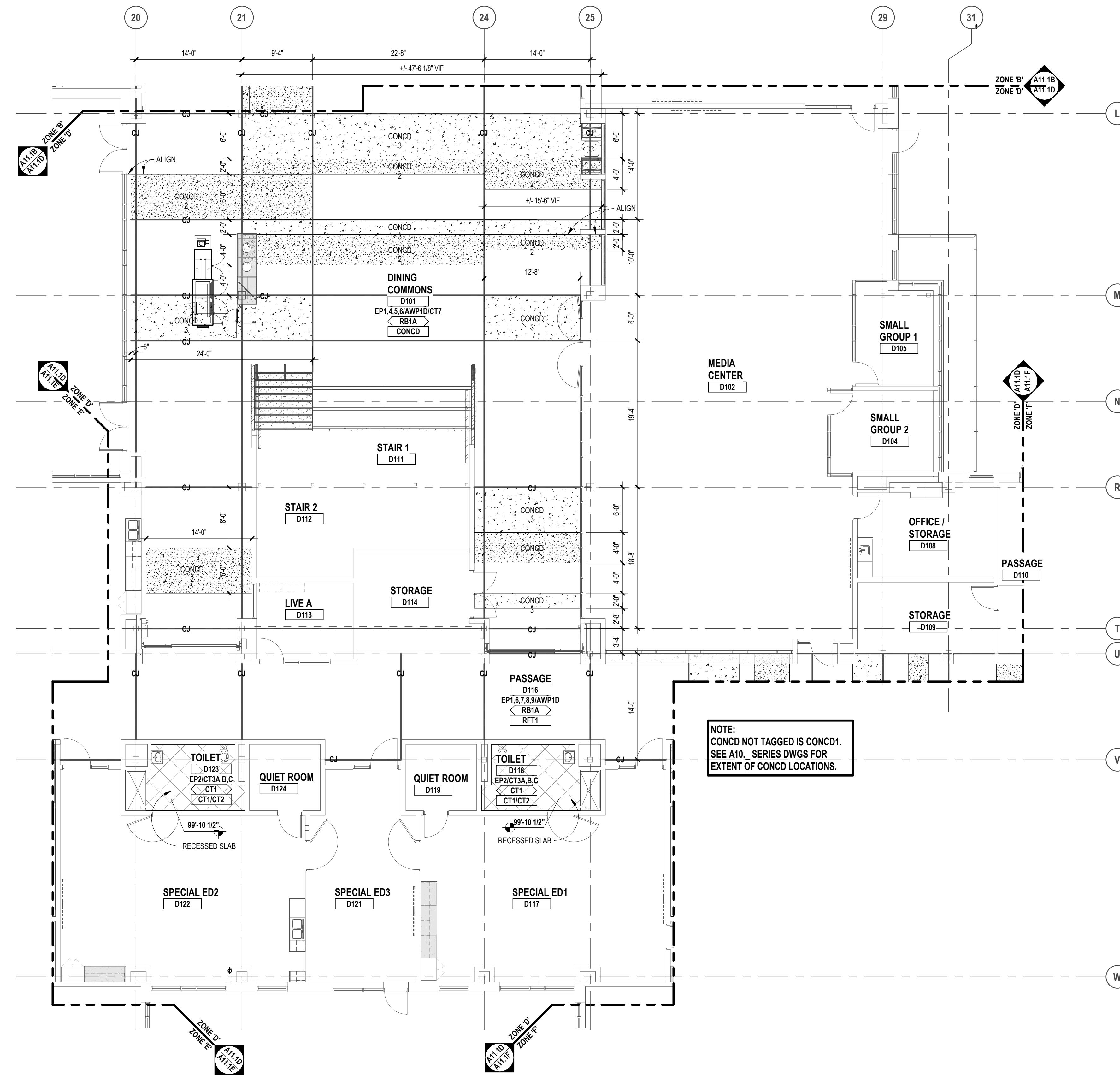
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PROJECT NO.

**22102**

DRAWING NO.

**A11.1D**



**FIRST LEVEL SLAB & CONCRETE FINISH PLAN - ZONE 'D'**  
SCALE: 1/8" = 1'-0"





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 1191 WEST SQUARE LAKE ROAD  
 BLOOMFIELD HILLS, MICHIGAN 48302  
 PH: 248.338.4561 FX: 248.338.0223  
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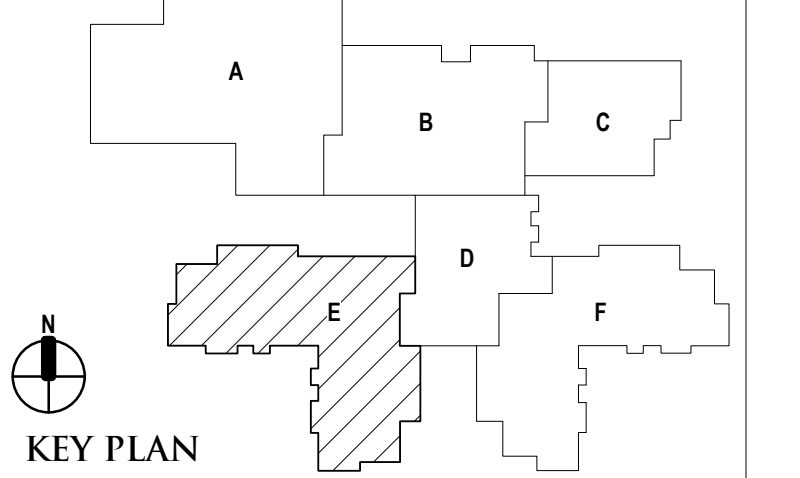
REGISTRATION SEAL

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PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**First Level Slab and Concrete Finish Plan - Zone 'E'**



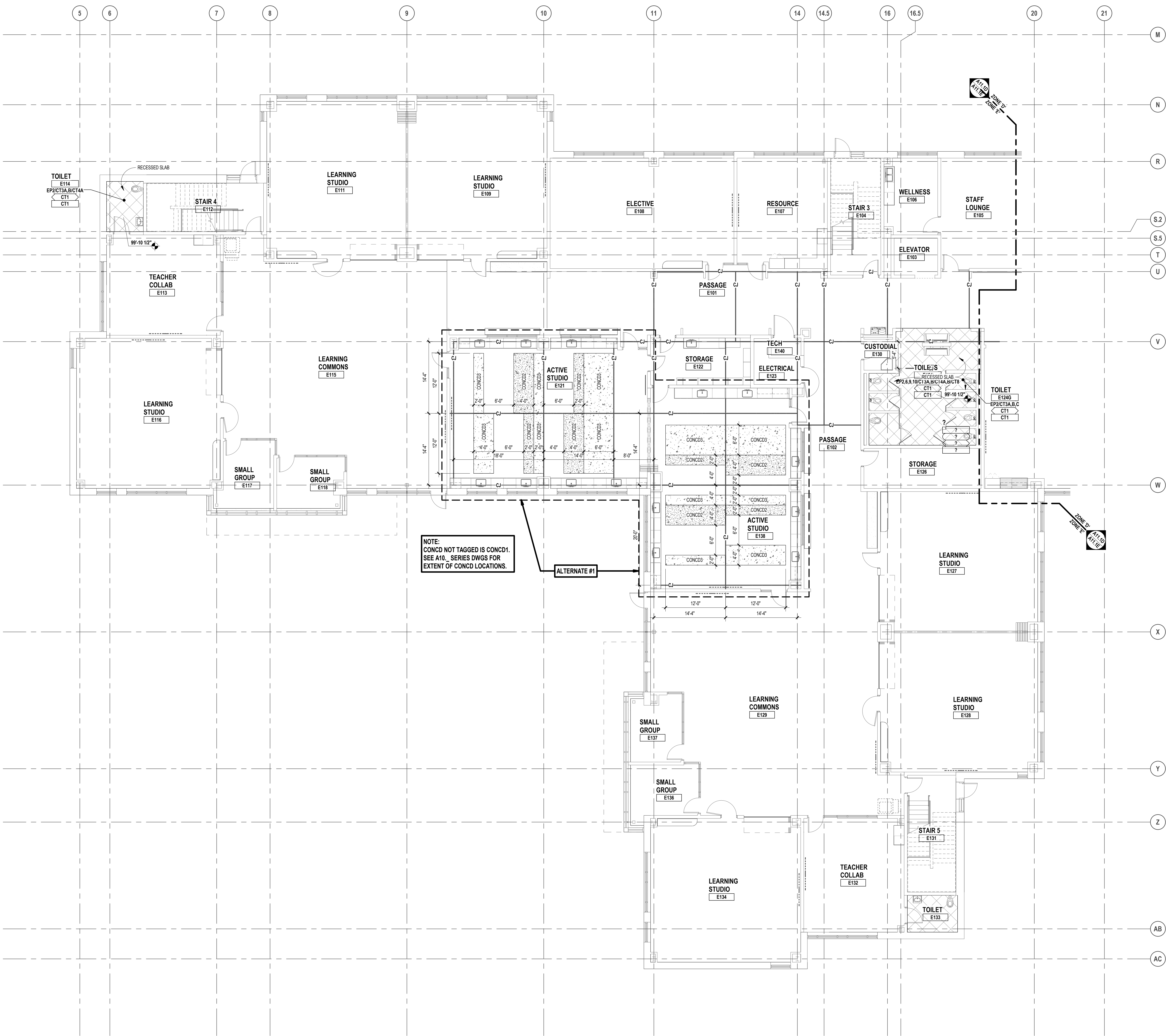
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06-18-2024 CONSTRUCTION DOCUMENTS

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APPROVED dt	

PROJECT NO.  
**22102**  
 DRAWING NO.  
**A11.1E**



▲ FIRST LEVEL SLAB & CONCRETE FINISH PLAN - ZONE 'E'  
 SCALE: 1/8" = 1'-0"

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 BLOOMFIELD HILLS, MICHIGAN 48302  
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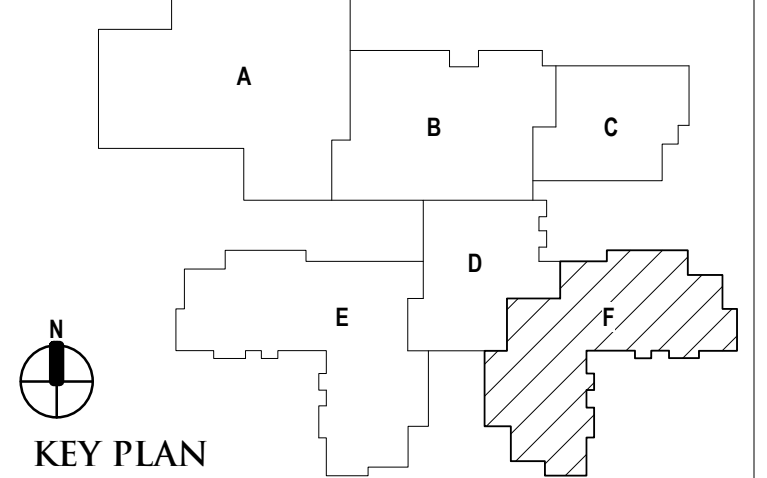
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CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**First Level Slab and Concrete Finish Plan - Zone 'F'**



N  
 KEY PLAN

ISSUE DATES


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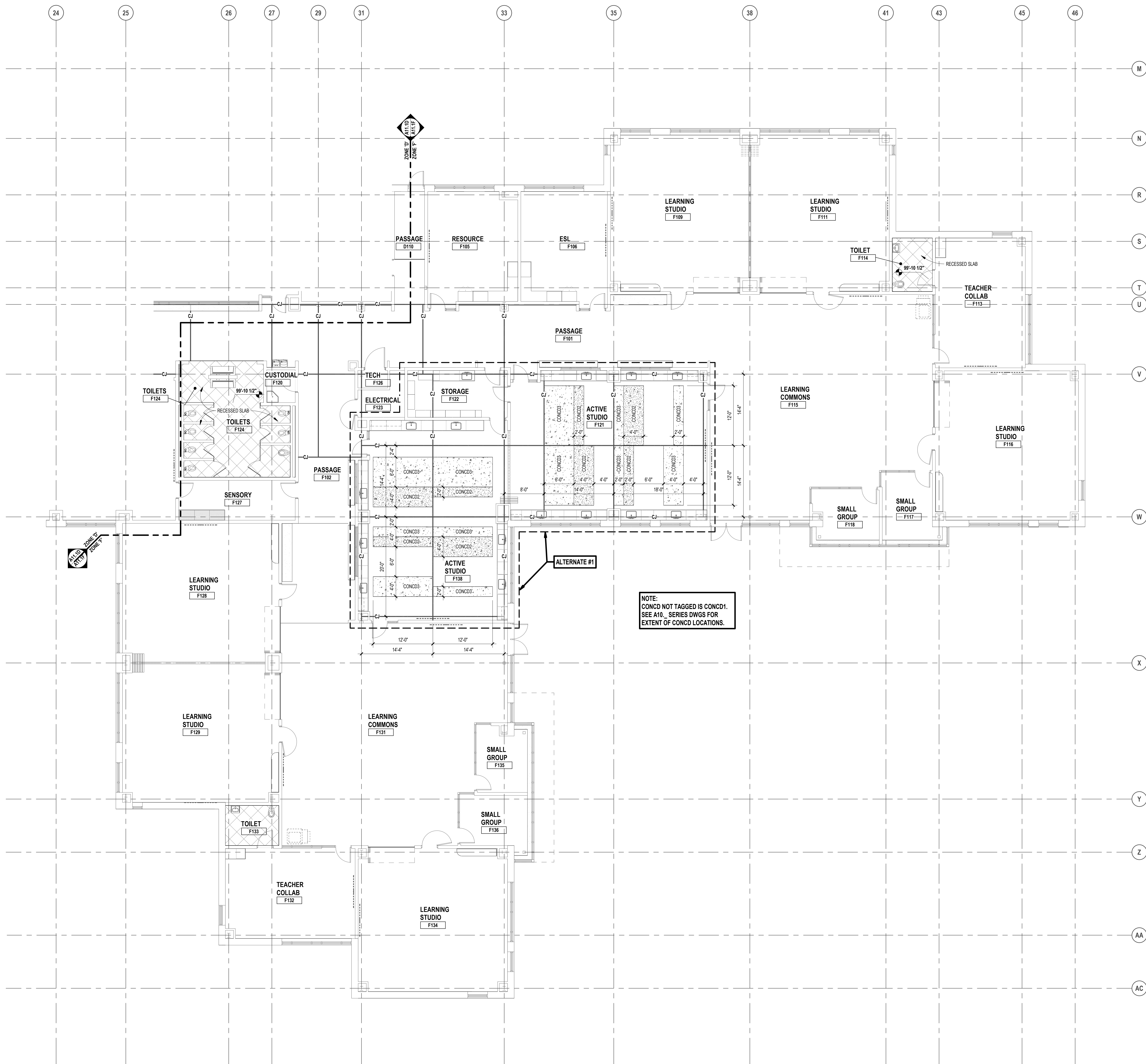
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APPROVED dt

PROJECT NO.  
**22102**

DRAWING NO.  
**A11.1F**



N  
 FIRST LEVEL SLAB & CONCRETE FINISH PLAN - ZONE 'F'  
 SCALE: 1/8" = 1'-0"

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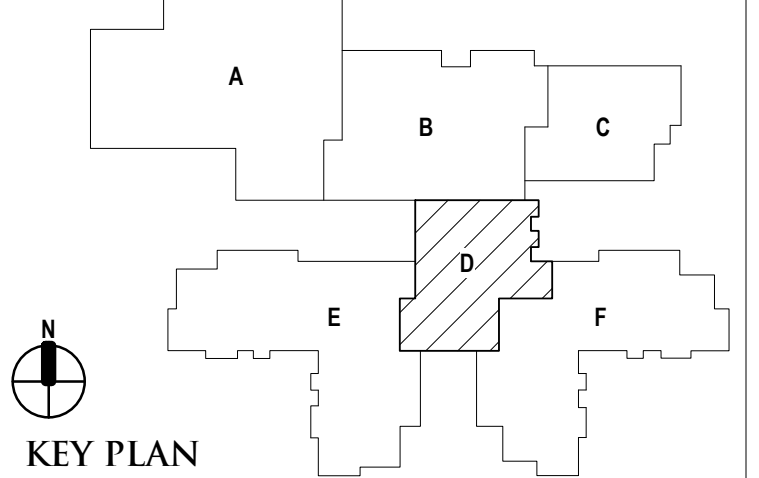
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Second Level Slab and Concrete Finish Plan - Zone 'D'**



ISSUE DATES


06-18-2024 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN gm

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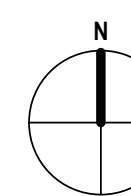
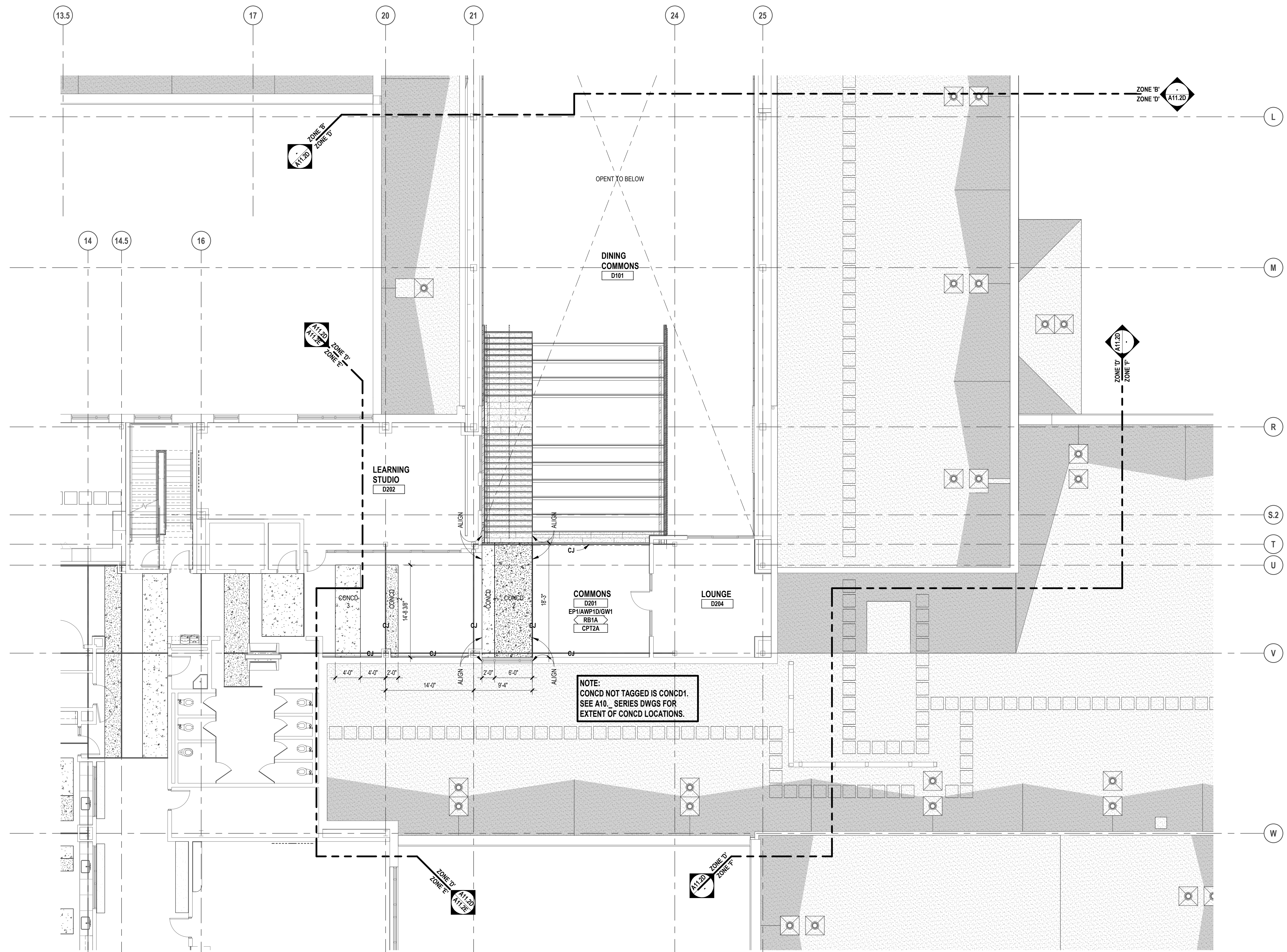
APPROVED dt

PROJECT NO.

**22102**

DRAWING NO.

**A11.2D**



SECOND LEVEL SLAB AND CONCRETE FINISH PLAN - ZONE 'D'  
 SCALE: 1/8" = 1'-0"



TMP ARCHITECTURE INC  
 1191 WEST SQUARE LAKE ROAD  
 BLOOMFIELD HILLS, MICHIGAN 48302  
 PH: 248.338.4541 FX: 248.338.0223  
 EM: INFO@TMP-ARCHITECTURE.COM

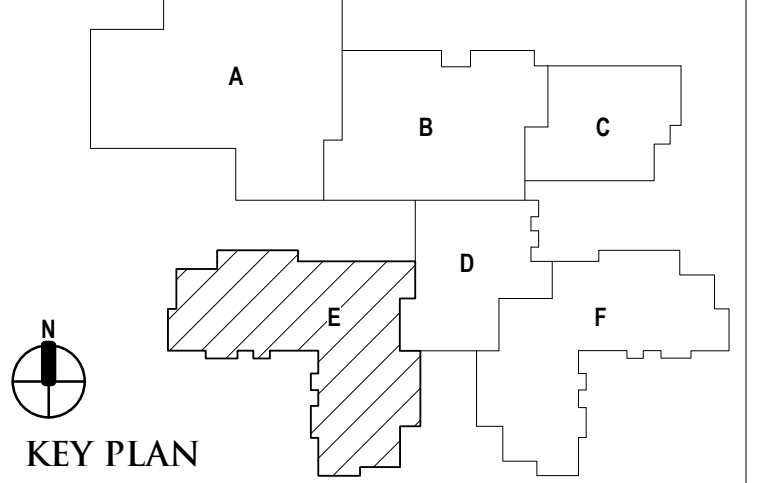
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**NEW SMITH MIDDLE SCHOOL**  
 Bid Package No. 03B

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Second Level Slab and Concrete Finish Plan - Zone 'E'**



ISSUE DATES

DATE	ISSUED FOR:

06-18-2024 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

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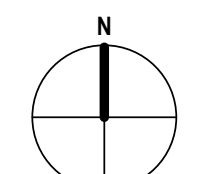
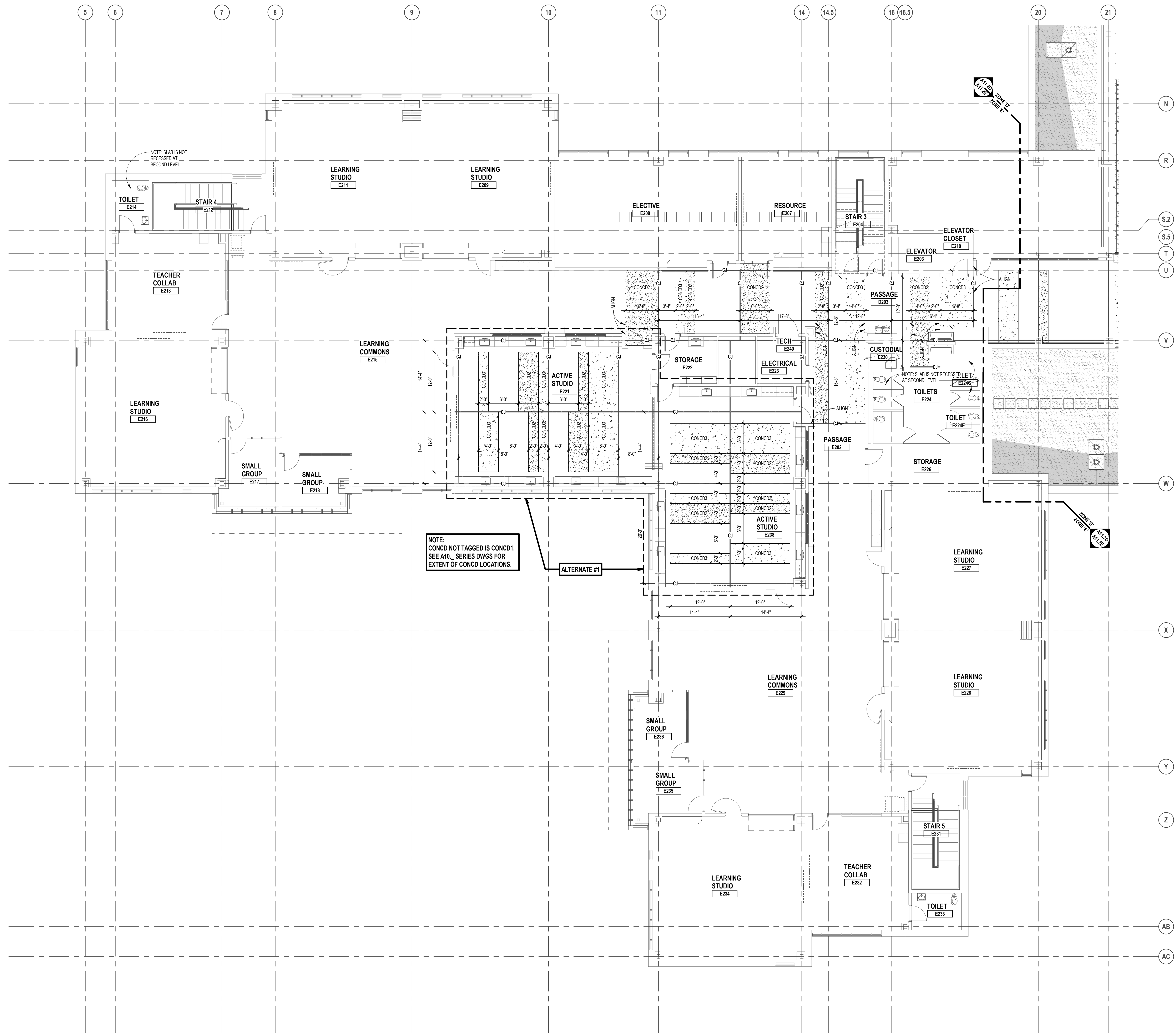
APPROVED dt

PROJECT NO.

**22102**

DRAWING NO.

**A11.2E**



SECOND LEVEL SLAB AND CONCRETE FINISH PLAN - ZONE 'E'  
 SCALE: 1/8" = 1'-0"

Autodesk Docs/22102\_Troy Smith\_MS22102\_ARCH-22.rvt 6/26/2024 9:23:00 AM



REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**New Smith  
 Middle School**

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Food Service Equipment  
 Layout**

KEY PLAN

ISSUE DATES

DATE	ISSUED FOR

06-18-2024 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN: RSW

CHECKED: ...

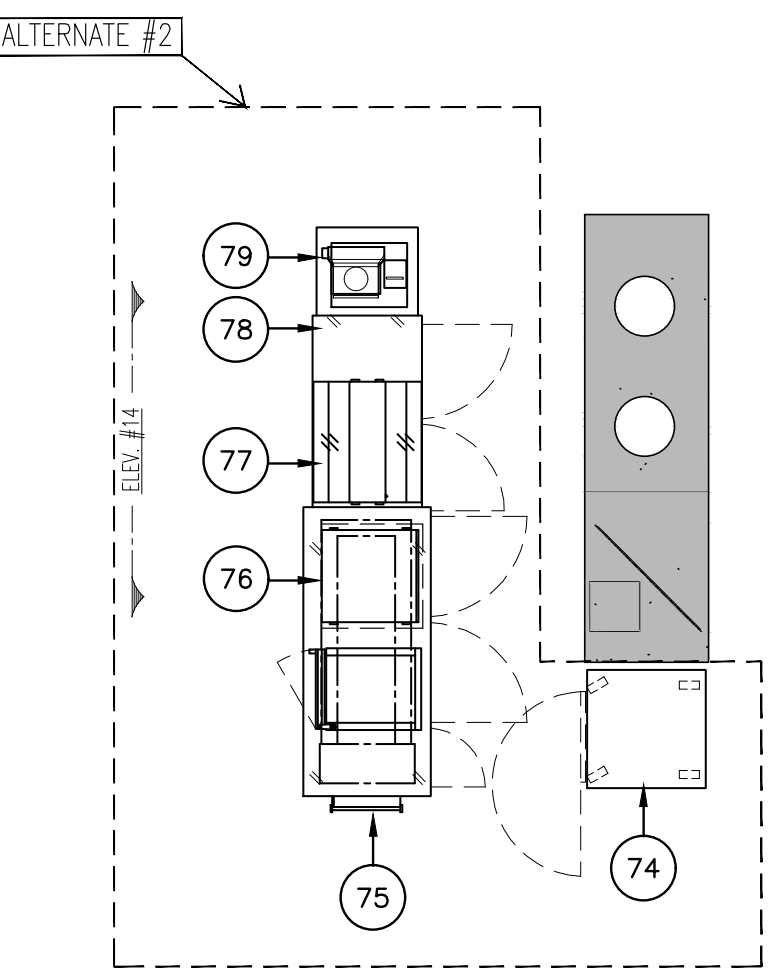
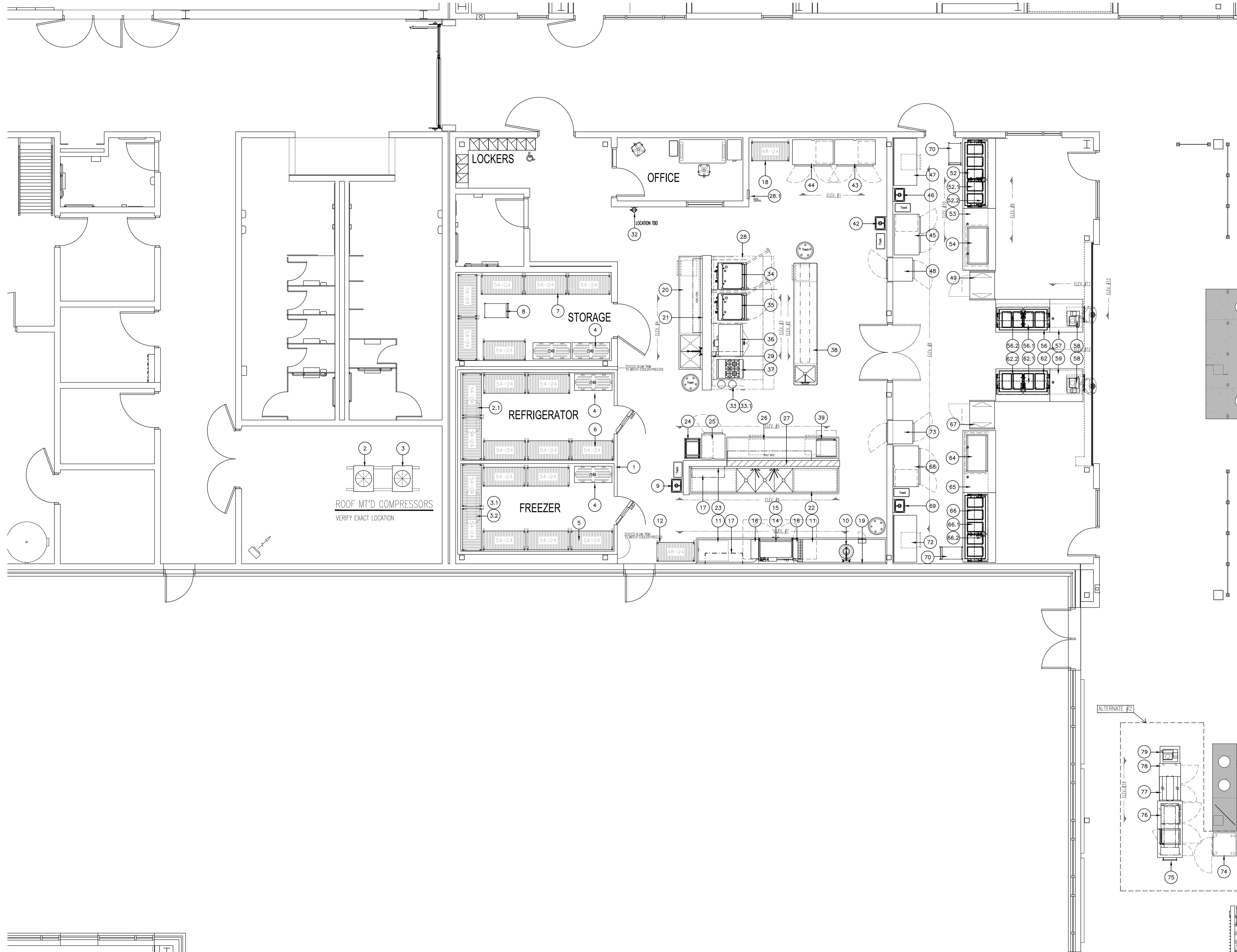
APPROVED: \_\_\_\_\_

PROJECT NO.

**22102**

DRAWING NO.

**FSE.2**



**FOOD SERVICE EQUIPMENT LAYOUT**  
 SCALE: 1/4" = 1'-0"

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**New Smith  
 Middle School**

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Food Service Equipment  
 Electrical Rough-in**

KEY PLAN

ISSUE DATES

06-18-2024 CONSTRUCTION DOCUMENTS

DATE ISSUED FOR:

DRAWN RSW

CHECKED ...

APPROVED

PROJECT NO.

**22102**

DRAWING NO.

**FSE.3**

**GENERAL NOTES for ROUGH-IN PLAN**

THIS PLAN IS TO BE USED FOR BIDDING PURPOSES ONLY & MUST BE REDRAWN BY FOOD SERVICE EQUIP. CONTR. USING ARCHITECT'S FINAL WORKING DRAWINGS (ARCH., ELEC., PLUMB. & VENT.). F.S.EQ. CONTR. SHALL FURNISH FULLY DIMENSIONED ROUGH-IN PLAN FOR ELECTRICAL, PLUMBING, VENTILATION, DEPRESSION & WALL OPENINGS WITHIN 30 DAYS AFTER AWARD OF CONTRACT. PLANS ARE TO BE REDRAWN & NOT TRACED-OFF OF ORIGINAL DRAWINGS.

FOOD SERVICE EQUIP. CONTR. IS TO ASSIST ELECTRICAL TRADES DURING PERIOD WHILE FINAL ROUGH-IN CONNECTIONS ARE BEING MADE. F.S.EQ. CONTR. SHALL FURNISH ALL NECESSARY WIRING DETAILS AS REQUIRED. F.S.EQ. CONTR. ALSO TO HAVE FIELD SUPERVISOR ON JOBSITE AT TIME OF FINAL CON'S.

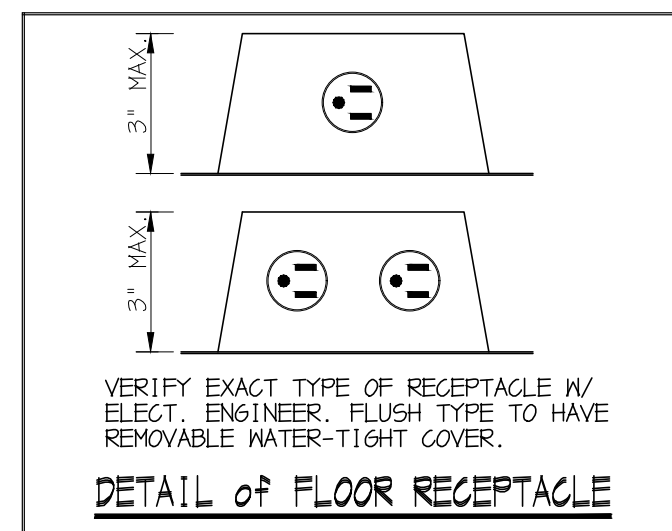
FOOD SERVICE EQUIP. CONTR. SHALL CONTACT ELECTRICAL ENGINEER BEFORE DRAWING ROUGH-IN PLAN TO VERIFY EXACT VOLTAGES AVAILABLE ON JOBSITE. THIS CHECK MUST BE MADE TO INSURE PROPER VOLTAGES TO ALL EQUIPMENT.

**ELECTRICAL ROUGH-IN CODE**

- J.B. JUNCTION BOX
- ▲ ELECTRICAL CONDUIT CONNECTION
- H.P. HORSEPOWER
- KW. KILOWATT
- N. NATT
- V. VOLT
- 1ph. SINGLE PHASE
- 3ph. THREE PHASE
- DR. DUPLEX RECEPTACLE
- SR. SINGLE RECEPTACLE
- DFR. DUPLEX FLOOR RECEPTACLE
- SFR. SINGLE FLOOR RECEPTACLE
- DIS. FUSED DISCONNECT SWITCH
- SW. SWITCH
- A.F.F. ABOVE FINISH FLOOR

**GENERAL NOTE for ROUGH-IN PLAN**

ALL SERVICES SHOWN WITH SYMBOLS CENTERED ON WALL SHOULD BE BROUGHT TO THAT POINT CONCEALED IN WALL & STUBBED-OUT AT HEIGHT SHOWN ON THIS PLAN OR F.S.EQ. CONTR.'S FINAL DIMENSIONED ROUGH-IN PLAN. DO NOT STUB OUT OF FLOOR & RUN EXPOSED ON WALL.

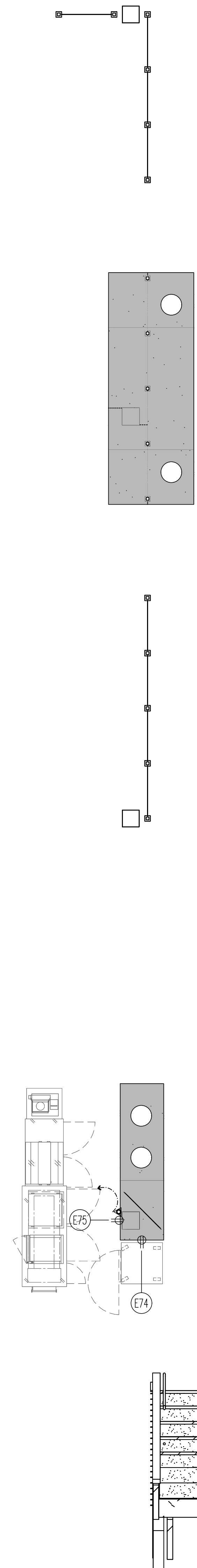
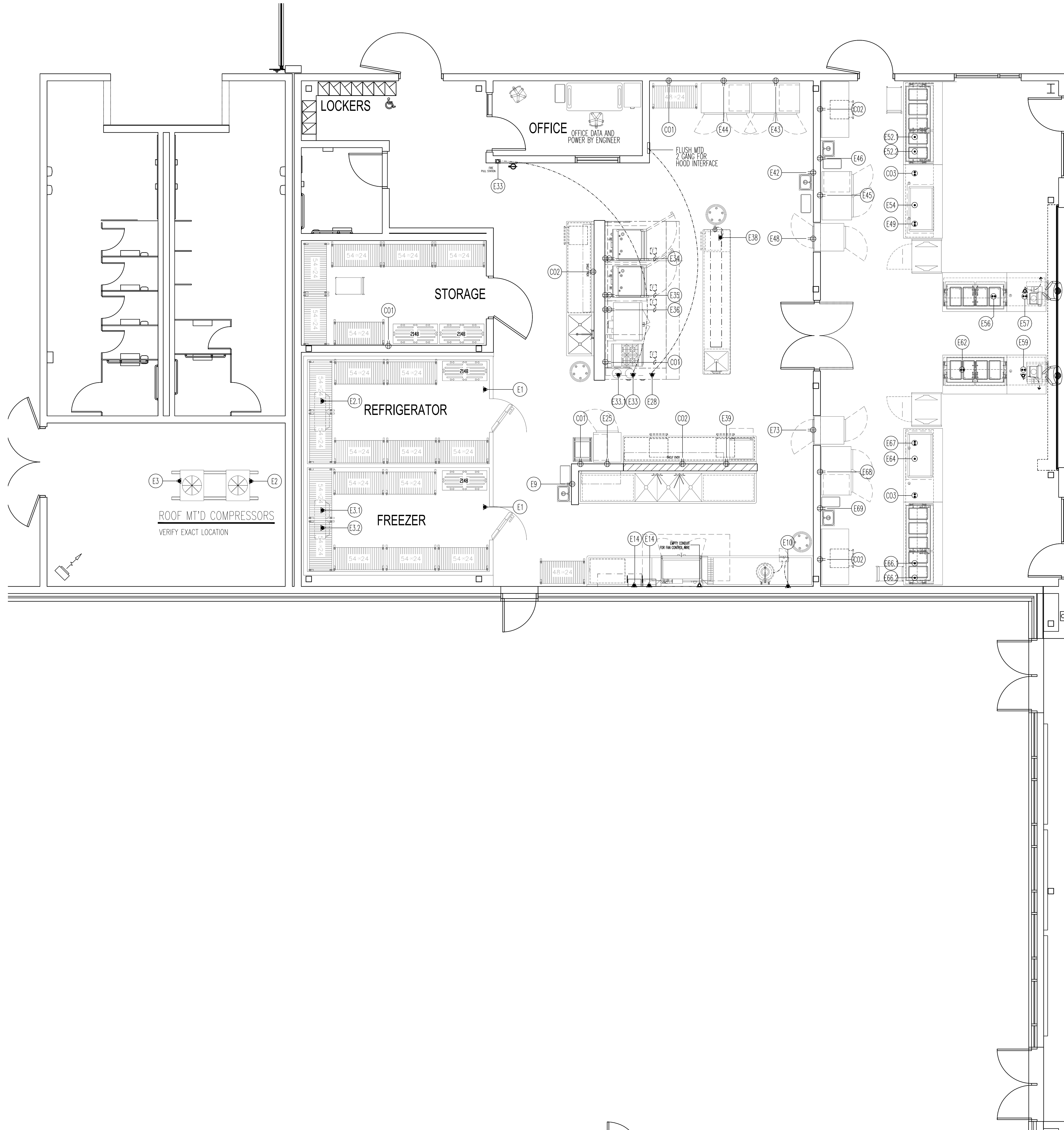


**NOTE...**

ALL ADDITIONAL RECEPTACLES, CONN.'s, WIRING, ETC., TO BE SHOWN BY ELECT. ENGINEER.

ALL 120v DUPLEX RECEPTACLES WITHIN KITCHEN AREAS & WITHIN 72" OF A SINK MUST BE GFCI PROTECTED BY ELECT. TRADES.

ELECT. TRADES TO FURN. & INSTALL ALL LINE DISCONNECT SWITCHES AS REQUIRED TO MEET STATE & LOCAL CODES.



REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**New Smith Middle School**

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Food Service Equipment Plumbing Rough-in**

KEY PLAN

ISSUE DATES

06-18-2024 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN: RSW

CHECKED: ...

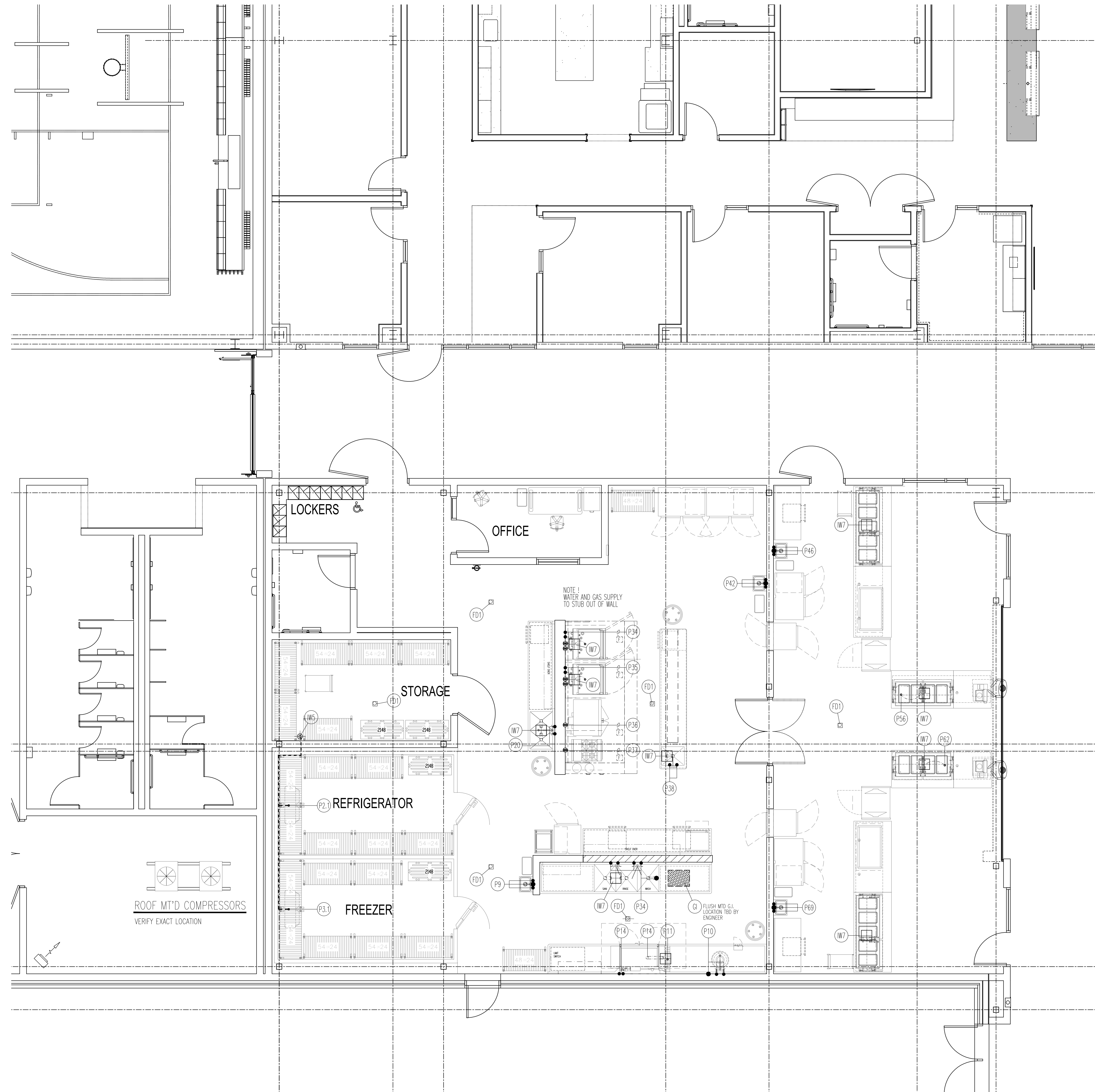
APPROVED

PROJECT NO.

**22102**

DRAWING NO.

**FSE.4**



**GENERAL NOTES for ROUGH-IN PLAN**

THIS PLAN IS TO BE USED FOR BIDDING PURPOSES ONLY & MUST BE REDRAWN BY FOOD SERVICE EQUIP. CONTR. USING ARCHITECT'S FINAL WORKING DRAWINGS (ARCH., ELECT., PLUMB. & VENT.). F.S. EQ. CONTR. SHALL FURNISH FULLY DIMENSIONED ROUGH-IN PLAN FOR ELECTRICAL, PLUMBING, VENTILATION, DEPRESSION & WALL OPENINGS WITHIN 30 DAYS AFTER AWARD OF CONTRACT. PLANS ARE TO BE REDRAWN & NOT TRACED-OFF OF ORIGINAL DRAWINGS.

FOOD SERVICE EQUIP. CONTR. IS TO ASSIST PLUMBING TRADES DURING PERIOD WHILE FINAL ROUGH-IN CONNECTIONS ARE BEING MADE. F.S. EQ. CONTR. SHALL FURNISH ALL NECESSARY PIPING DETAILS AS REQUIRED. F.S. EQ. CONTR. ALSO TO HAVE FIELD SUPERVISOR ON JOBSITE AT TIME OF FINAL CONTR'S.

FOOD SERVICE EQUIP. CONTR. SHALL CONTACT PLUMB. ENGINEER BEFORE DRAWING ROUGH-IN PLAN TO VERIFY TYPE OF GAS ON JOBSITE. WHEN STEAM IS AVAILABLE, PRESSURE IS TO BE VERIFIED AND ALL EQUIPMENT TO BE FURNISHED ACCORDINGLY.

**PLUMBING ROUGH-IN CODE**

- H.W. HOT WATER
  - C.W. COLD WATER
  - W. WASTE
  - I.R. INDIRECT WASTE
  - F.D. FLOOR DRAIN
  - F.T.P.D. FUNNEL-TYPE FLOOR DRAIN
  - F.S. FLOOR SINK
  - G. GAS (NATURAL)
  - A.F. ABOVE FINISH FLOOR
- SYMBOLS DENOTES DRAIN/WASTE/CONDENSATE LINE OF VARIOUS SIZE. TO BE FURNISHED & INSTALLED BY PLUMB. TRADES TO RUN FROM EQUIPMENT TO NEAREST F.D./F.S./I.R./A.F. VERIFY EXACT SIZE WITH F.S.E.G. FINAL BUY-OUT BOOKLET.

**GENERAL NOTE for ROUGH-IN PLAN**

ALL SERVICES SHOWN WITH SYMBOLS CENTERED ON WALL SHOULD BE BROUGHT TO THAT POINT CONCEALED IN WALL & STUBBED-OUT AT HEIGHT SHOWN ON THIS PLAN OR IF F.S. EQ. CONTR'S FINAL DIMENSIONED ROUGH-IN PLAN. DO NOT STUB OUT OF FLOOR & RUN EXPOSED ON WALL.

**NOTE...**

PLUMB. TRADES TO RUN ALL DRAIN/WASTE/CONDENSATE LINES FROM EQUIPMENT TO NEAREST F.D./F.S./I.W.

ALL ADDITIONAL PIPING, DRAINS, SLEEVES, F.D.'s, I.W.'s, ETC., TO BE SHOWN BY MECH. ENGINEER.

ALL ADDITIONAL RPZ'S, PRV, V.B.s, SHUT-OFF VALVES, ATMOSPHERIC V.B.s, SHOCK-STOPS, ETC., TO BE FURN. & INST'D BY PLUMB. TRADES.

**FLOOR DRAIN SCHEDULE**

- ALL BY ELUMB. TRADES - TYPICAL SIZES SHOWN.
- TYPE #1 4" DIA. W/ FULL NICKEL-BRONZE STRAINER FLUSH W/ FINISH FLOOR.
  - TYPE #2 4" DIA. W/ FULL NICKEL-BRONZE STRAINER & 4" HIGH NICKEL-BRONZE FUNNEL. FLUSH W/ FINISH FLOOR.
  - TYPE #3 12" x 12" x 10" DEEP W/ FULL NICKEL-BRONZE BRATE TOP, ACID RESISTANT INTERIOR & PERFORATED REMOVABLE ENAMEL BASKET. FLUSH W/ FINISH FLOOR.
  - TYPE #4 12" x 12" x 10" DEEP W/ FULL ST. ST. REMOVABLE BRATE TOP & REMOVABLE ST. ST. PERFORATED BASKET. FLUSH W/ FINISH FLOOR.

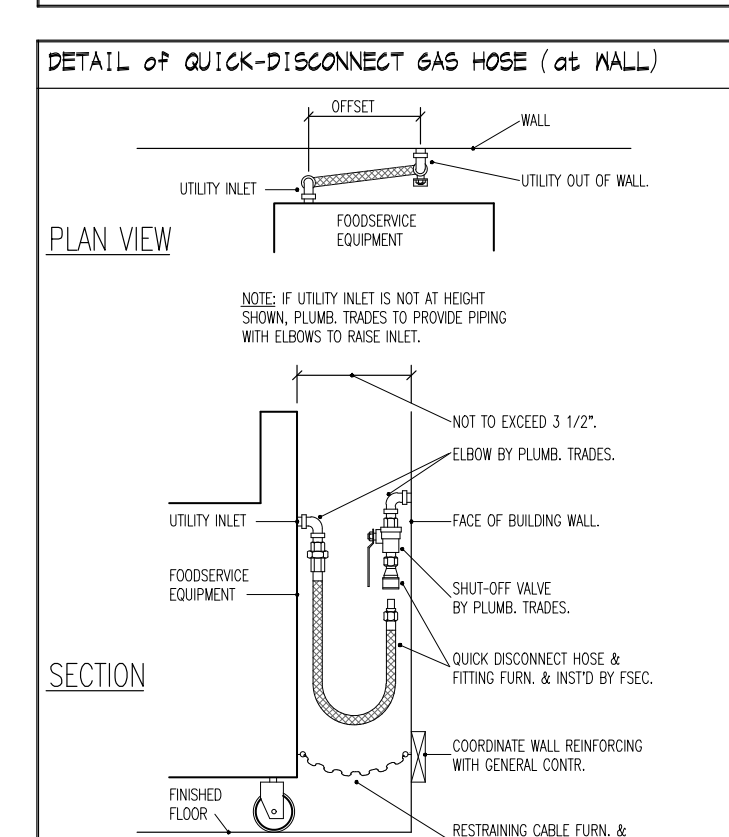
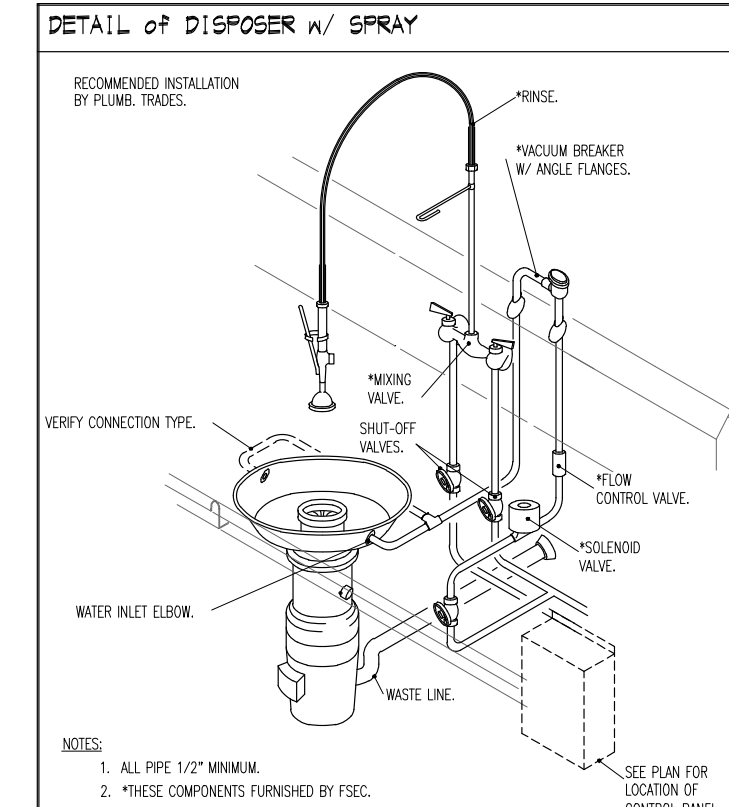
**INDIRECT WASTE SCHEDULE**

- ALL BY ELUMB. TRADES - TYPICAL SIZES SHOWN.
- TYPE #5 4" DIA. W/ FULL NICKEL-BRONZE STRAINER & 4" HIGH NICKEL-BRONZE FUNNEL.
  - TYPE #6 4" DIA. W/ WHITE PORCELAIN INTERIOR & NICKEL-BRONZE INTERIOR DOME STRAINER. FLUSH W/ FINISH FLOOR.
  - TYPE #7 12" x 12" x 10" DEEP W/ BRATE TOP & ACID RESISTANT INTERIOR & NICKEL-BRONZE INTERIOR DOME STRAINER.
  - TYPE #8 12" x 12" x 10" DEEP W/ 1/4" GIRT NICKEL-BRONZE BRATE TOP, ACID RESISTANT INTERIOR & NICKEL-BRONZE INTERIOR DOME STRAINER.

**GENERAL NOTE for FIRE SYSTEM**

PLUMB. TRADES TO FURN. & INSTALL REMOVABLE 12" SECTION OF PIPE IN MAIN GAS SUPPLY LINE TO KITCHEN COOKING EQUIP. ONLY, LOCATED IN AN ACCESSIBLE AREA, AS CLOSE AS POSSIBLE TO COOKING EQUIP. FOR MECHANICAL-TYPE GAS SHUT-OFF VALVE. VALVE TO BE FURNISHED BY F.S. EQ. CONTR. & INST'D BY PLUMB. TRADES. F.S. EQ. CONTR. TO VERIFY GAS SUPPLY LINE ON JOBSITE AND FURNISH VALVE TO FIT IT ACCORDINGLY.

ALL GAS SUPPLY BURNER HOOD TO BE SHUT-OFF, SHOWN AS:



ROOF MTD COMPRESSORS  
 VERIFY EXACT LOCATION

LOCKERS

OFFICE

STORAGE

REFRIGERATOR

FREEZER

NOTE: WATER AND GAS SUPPLY TO STUB OUT OF WALL





TMP ARCHITECTURE INC  
 1191 WEST SQUARE LAKE ROAD  
 BLOOMFIELD HILLS - MICHIGAN - 48302  
 PH - 248.338.4561 FX - 248.338.0023  
 EM - INFO@TMPARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**New Smith  
 Middle School**

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Food Service Equipment  
 Ventilation, Depression  
 and Wall Opening**

KEY PLAN

ISSUE DATES

06-18-2024 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN RSW

CHECKED ...

APPROVED

PROJECT NO.

**22102**

DRAWING NO.

**FSE.5**

**GENERAL NOTES for ROUGH-IN PLAN**

THIS PLAN IS TO BE USED FOR BIDDING PURPOSES ONLY & MUST BE REDRAWN BY FOOD SERVICE EQUIP. CONTR. USING ARCHITECT'S FINAL WORKING DRAWINGS (ARCH., ELEC., PLUMB. & VENT.). F.S.E.C. CONTR. SHALL FURNISH FULLY DIMENSIONED ROUGH-IN PLAN FOR ELECTRICAL, PLUMBING, VENTILATION, DEPRESSION & WALL OPENINGS WITHIN 30 DAYS AFTER AWARD OF CONTRACT. PLANS ARE TO BE REDRAWN & NOT TRACED-OFF OF ORIGINAL DRAWINGS.

ALL BUILDING AND/OR ROOM VENTILATION BY HVAC ENGINEER.

EXHAUST AIR QUANTITIES SHOWN ARE FOR COOKING EQUIPMENT EXHAUST HOODS ONLY. ADDITIONAL VENTILATION REQUIRED FOR KITCHEN AREAS TO BE ENGINEERED BY HVAC TRADES.

HVAC TRADES TO INTER-LOCK EXHAUST FANS W/ KITCHEN SUPPLY FANS.

HVAC ENGINEER TO WRITE HVAC SYSTEM SPEC FOR HVAC TRADES, TO CHECK & BALANCE KITCHEN VENTILATION. HVAC ENGINEER TO FILL-OUT & SUBMIT HEALTH DEPT. BALANCE REPORT. HVAC TRADES TO BE RESPONSIBLE FOR ADJUSTING AIR QUANTITIES TO EXACTLY AS SHOWN. HVAC TRADES TO BE A CERTIFIED TESTING CO.

**VENTILATION ROUGH-IN CODE**

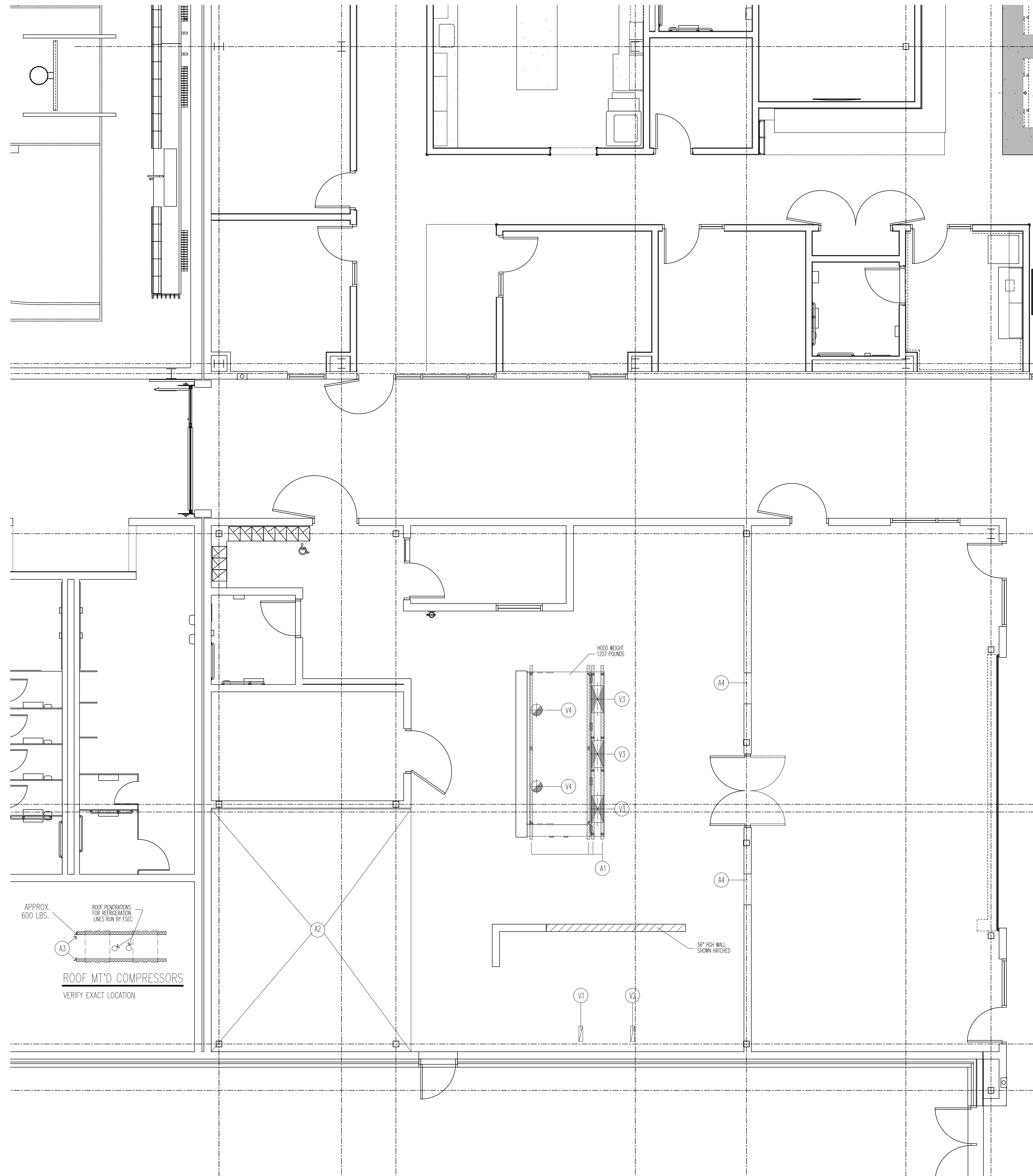
D.F.A. DOWN FROM ABOVE  
 A.F.F. ABOVE FIN. FLOOR  
 B.T.C. BRANCH TO CONNECTION  
 HVAC HEATING/VENTILATING/  
 AIR-CONDITIONING TRADES  
 FSEC FOOD SERVICE EQUIPMENT  
 CONTRACTOR

**ARCHITECTURAL NOTES**

- A1 HANGER CHANNELS FURN. & INST'D BY ARCH. TRADES- SECURED TO BUILDING STRUCTURAL TO SUPPORT EXHAUST HOOD (WEIGHT AS SHOWN). F.S.E.C. TO VERIFY ALL SIZES & LOCATIONS.
- A2 7" DEEP DEPRESSION BY ARCH. TRADES- BELOW FIN. FLOOR & TO BE SMOOTH & LEVEL FOR WALK-IN REFRIG/FREEZER BY F.S.E.C. w/ CONCRETE & WEARSURFACE BY G.C.
- A3 (2) TWO 3" x 6" STEEL RAILS FURN. & INST'D BY ARCH. TRADES- TO BE RUST-PROOFED & SECURED INTO ROOF TO SUPPORT COMPRESSORS (2) BY F.S.E.C.
- A4 WALL OPENING BY ARCH. TRADES- 32" X 88" A.F.F. TO LINTEL FOR PASS-THROUGH WARMER BY F.S.E.C.

**VENTILATION NOTES**

- V1 4" x 16" EXHAUST DUCT @ 400 CFM - EXIT OF DISHMACHINE  
NOTE... DUCTWORK STATIC MUST BE ADDED. - NON CORROSIVE/WATER TIGHT
- V2 4" x 16" EXHAUST DUCT @ 200 CFM - ENTRY OF DISHMACHINE  
NOTE... DUCTWORK STATIC MUST BE ADDED. - NON CORROSIVE/WATER TIGHT
- V3 (3) 12" X 28" SUPPLY DUCTS- 750 CFM EACH (2250 FM TOTAL) @ 0.182" S.P. AT DUCT COLLAR.  
NOTE... DUCTWORK STATIC MUST BE ADDED.  
SEE DETAIL DRAWINGS INCLUDED WITH THESE DOCUMENTS
- V4 (2) 12" DIA. ROUND EXHAUST DUCT- 1262 CFM EACH (2250 TOTAL) @ -0.558" S.P. AT DUCT COLLAR.  
NOTE... DUCTWORK STATIC MUST BE ADDED.  
SEE DETAIL DRAWINGS INCLUDED WITH THESE DOCUMENTS





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 1191 WEST SQUARE LAKE ROAD  
 BLOOMFIELD HILLS - MICHIGAN - 48302  
 PH - 248.338.4561 FX - 248.338.0029  
 EM - INFO@TMPARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**New Smith Middle School**

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Food Service Equipment Exhaust Hood & Fire System Details**

KEY PLAN

ISSUE DATES

06-18-2024 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

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APPROVED

PROJECT NO.

**22102**

DRAWING NO.

**FSE.6**

**REVISIONS**

DESCRIPTION	DATE

**CAPTIVE**  
 www.captiveaire.com  
 Michigan Office  
 4890 38th St SE, #203, Grand Rapids, MI 49512 PHONE: (616) 942-9881 FAX: 910275984 EMAIL: reg77@captiveaire.com

Smith Middle School Troy  
 Troy, MI, 48098

DATE: 12/14/2023

DWG.#:  
6265397

DRAWN BY:  
R.J.F.

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

MASTER DRAWING

SHEET NO.  
1

**SPECIFICATION: CAPTRATE® GREASE-STOP® SOLID FILTER**

THE CAPTRATE GREASE-STOP SOLID FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-BAFFLE DESIGN IN CONJUNCTION WITH A SLOTTED REAR BAFFLE DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

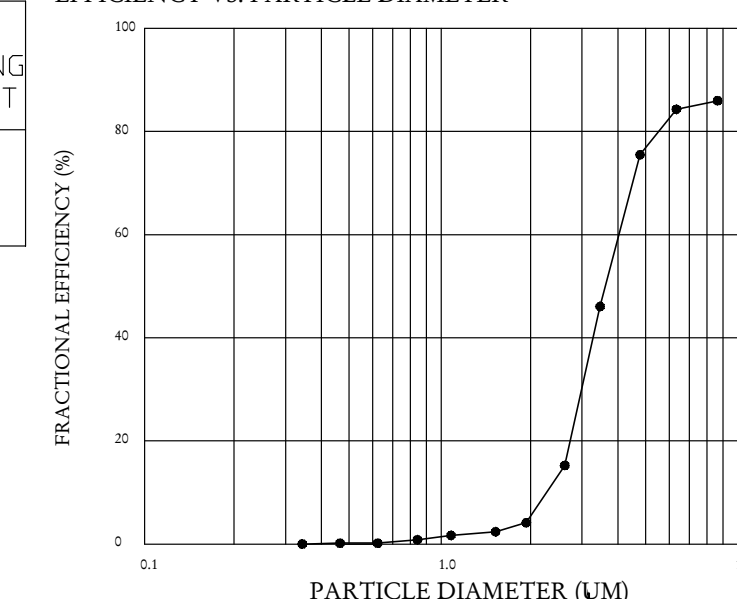
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

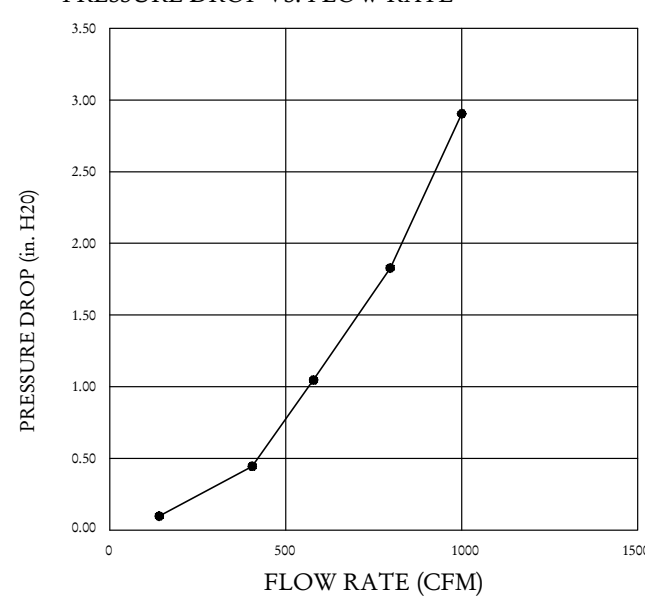
GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

THE CAPTRATE GREASE-STOP SOLID WAS TESTED TO ASTM STANDARD ASTM F2519-05. MANUFACTURER APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.

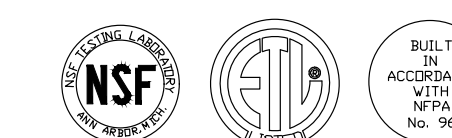
**EFFICIENCY VS. PARTICLE DIAMETER**



**PRESSURE DROP VS. FLOW RATE**



CAPTATE FILTERS ARE BUILT IN COMPLIANCE WITH:  
 NFPA #96.  
 NSF STANDARD #2.  
 UL STANDARD #1046.  
 INT. MECH. CODE (IMC).  
 ULC-S649.



FOR QUESTIONS, CALL THE  
 Michigan Office  
 REGIDN 77  
 PHONE: (616) 942 - 9881  
 EMAIL: reg77@captiveaire.com

**PATENT NUMBERS**  
 AC-PSP (UNITED STATES) - US PATENT 7963830 B2.  
 AC-PSP WALL (CANADA) - CA PATENT 2820509.  
 AC-PSP ISLAND (CANADA) - CA PATENT 2520330.

**HOOD INFORMATION -- JOB#6265397**

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)				TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG		
										WIDTH	LENG	HEIGHT	SP			END TO END	ROW	
1	28	6624 ND-2-PSP-F	CAPTIVEAIRE	13' 2"	450 DEG	I	MEDIUM	192	2525	4"	12"	1262	1607	-0.558"	2250	430 SS WHERE EXPOSED	ALONE	ALONE

**HOOD INFORMATION**

HOOD NO	TAG	TYPE	FILTER(S)			EFFICIENCY @ 7 MICRONS	QTY	LIGHT(S)			UTILITY CABINET(S)				FIRE SYSTEM PIPING	HOOD HANGING WEIGHT	
			QTY	HEIGHT	LENGTH			TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM	SIZE	ELECTRICAL			SWITCHES
1	28	CAPTATE SOLID FILTER	9	20"	16"	85% SEE FILTER SPEC	5	RECESSED ROUND	NO	RIGHT	12"x66"x24"	TANK FS	4.0/4.0	DCV-2111	1 LIGHT 1 FAN	YES	1207 LBS

**HOOD OPTIONS**

HOOD NO	TAG	OPTION
1	28	FIELD WRAPPER 18.00' HIGH FRONT, LEFT, RIGHT. BACKSPLASH 80.00' HIGH X 170.00' LONG 430 SS VERTICAL. RIGHT VERTICAL END PANEL 27' TOP WIDTH, 21' BOTTOM WIDTH, 80' HIGH INSULATED 430 SS. LEFT VERTICAL END PANEL 27' TOP WIDTH, 21' BOTTOM WIDTH, 80' HIGH INSULATED 430 SS. SENSOR-CV.

**PERFORATED SUPPLY PLENUM(S)**

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)			
							WIDTH	LENG	DIA	CFM
1	28	Front	170"	14"	6"	MUA	12"	28"	750	0.182"
						MUA	12"	28"	750	0.182"
						MUA	12"	28"	750	0.182"

**GREASE DUCT & CHIMNEY SPECIFICATIONS:**  
 PROVIDE GREASE DUCT EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW" ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK. MODEL "DW" IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS. MODEL "DW" DOES NOT REQUIRE WELDING PROVIDING IT HAS BEEN INSTALLED PER THE MANUFACTURES INSTALLATION GUIDE.  
 PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER. PER MANUFACTURES LISTING MODEL "DW" HORIZONTAL RUNS LESS THAN 75 FT. CAN BE SLOPED 1/16" PER 12", HORIZONTAL RUNS MORE THAN 75 FT. CAN BE SLOPED 3/16" PER 12". DUCT SHOULD BE SLOPED AS MUCH AS POSSIBLE TO REDUCE THE CHANCE OF GREASE ACCUMULATION IN HORIZONTAL RUNS.  
 IF THE DUCT OR CHIMNEY IS WITHIN 18 INCHES OF COMBUSTIBLE MATERIAL, PROVIDE UL-2221 OR UL-103 HT LISTED DOUBLE WALL GREASE DUCT OR DOUBLE WALL CHIMNEY EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW- 2R, 2R TYPE HT, 3R, OR 3Z" ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.

CAPTIVEAIRE SYSTEMS RECOMMENDS THE USE OF LISTED, PRE-FABRICATED ROUND GREASE EXHAUST DUCT TO REDUCE STATIC PRESSURE IN THE SYSTEM, MINIMIZE INSTALLATION AND INSPECTION TIMES, AND ENSURE DUCT IS LIQUID TIGHT

**HVAC DISTRIBUTION NOTE**  
 HIGH VELOCITY DIFFUSERS OR HVAC RETURNS SHOULD NOT BE PLACED WITHIN TEN (10) FEET OF THE EXHAUST HOOD. PERFORATED DIFFUSERS ARE RECOMMENDED.

**VERIFY CEILING HEIGHT**  
 \_\_\_\_\_' - \_\_\_\_\_"  
 HEIGHT REQUIRED TO VERIFY THAT HOOD FITS SPACE AND TO SIZE THE ENCLOSURE PANELS

**CUSTOMER APPROVAL TO MANUFACTURE:**

APPROVED AS NOTED	<input type="checkbox"/>
APPROVED WITH NO EXCEPTION TAKEN	<input type="checkbox"/>
REVISE AND RESUBMIT	<input type="checkbox"/>
SIGNATURE _____	_____
YOUR TITLE _____	DATE _____

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**New Smith Middle School**

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Food Service Equipment Exhaust Hood & Fire System Details**

KEY PLAN

ISSUE DATES

DATE: ISSUED FOR:

DRAWN: RSW

CHECKED: ...

APPROVED

PROJECT NO.

**22102**

DRAWING NO.

**FSE.7**

REVISIONS	
DESCRIPTION	DATE

**CAPTIVE**  
Michigan Office  
www.captiveaire.com  
4860 36th St. SE #203, Grand Rapids, MI 49512 PHONE: (616) 942-9881 FAX: 9192275984 EMAIL: reg77@captiveaire.com

Smith Middle School Troy  
Troy, MI, 48098

DATE: 12/14/2023

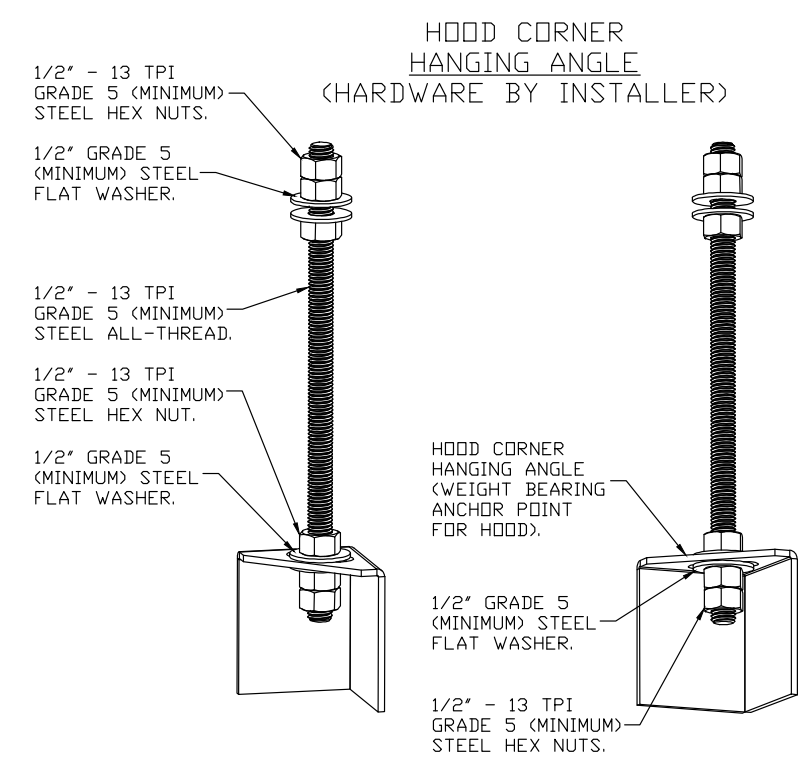
DWG.#: 6265397

DRAWN BY: R.J.F.

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

MASTER DRAWING

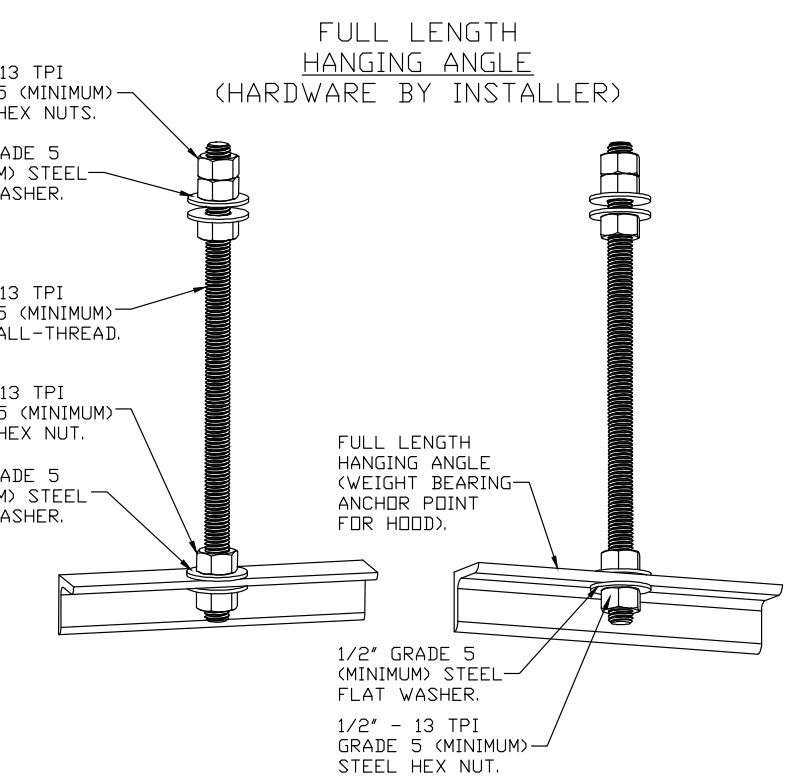
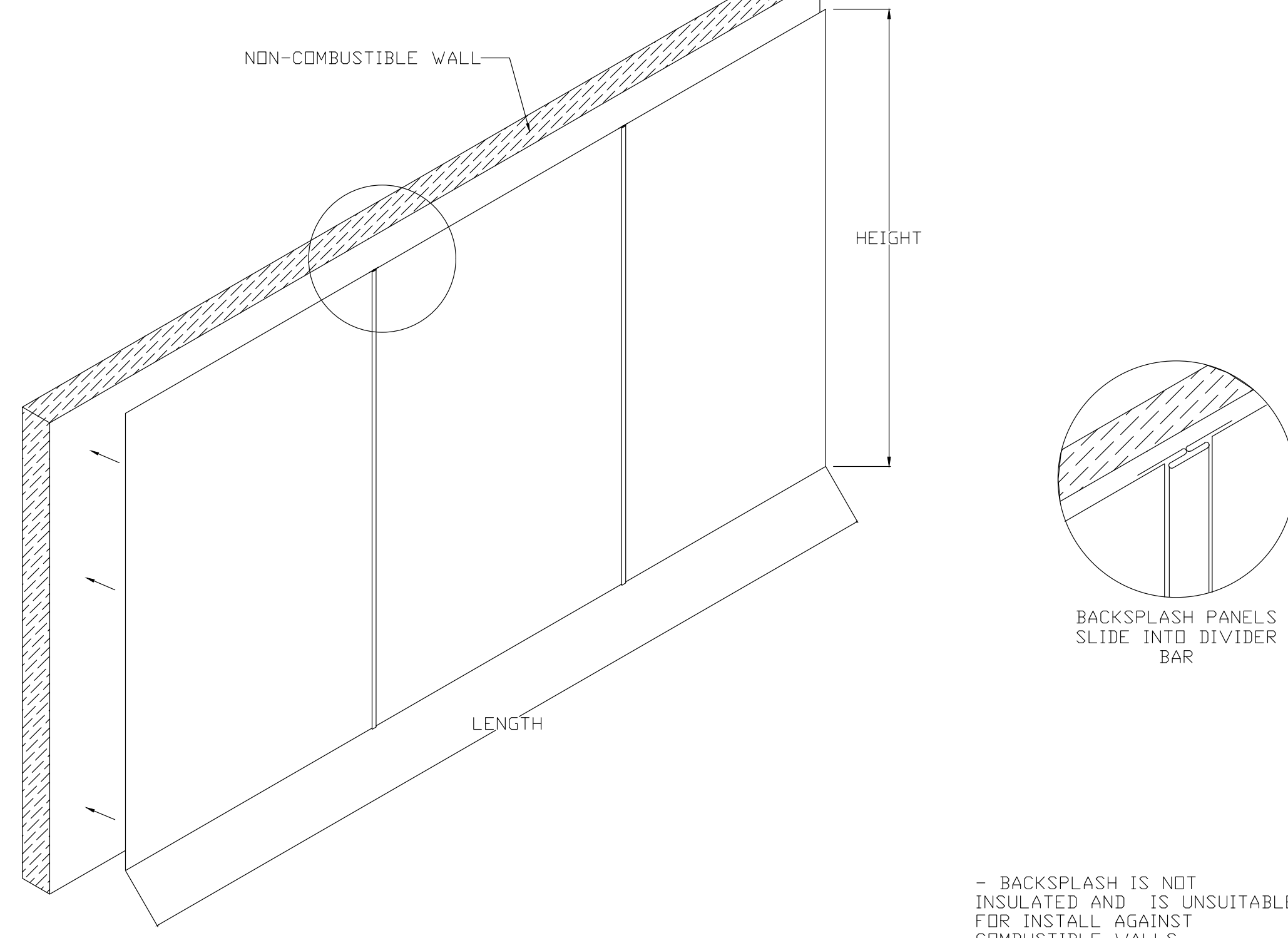
SHEET NO. 2



ASSEMBLY INSTRUCTIONS

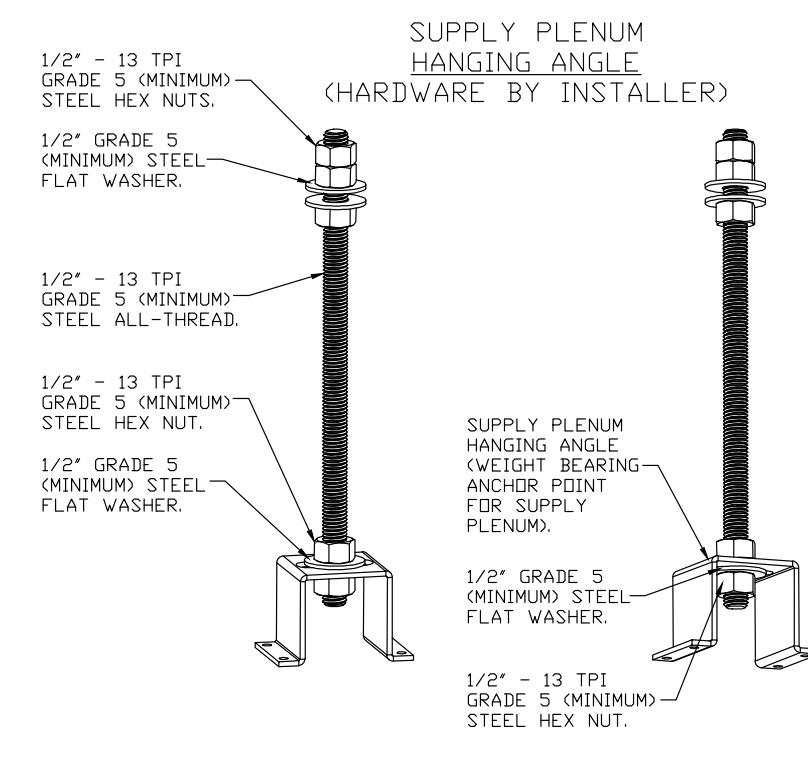
HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD, SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

**BACKSPLASH**



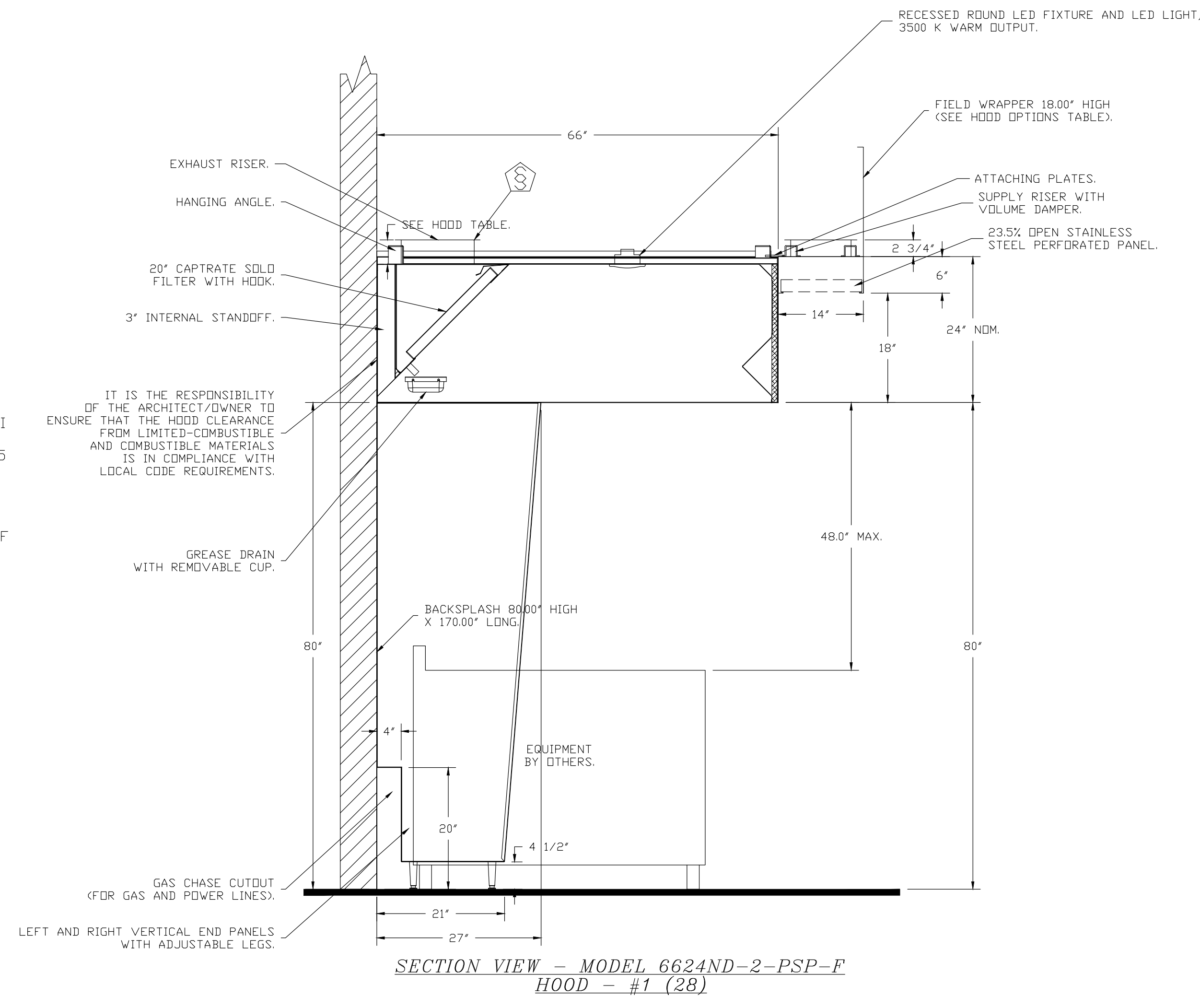
ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD, SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR FULL LENGTH HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

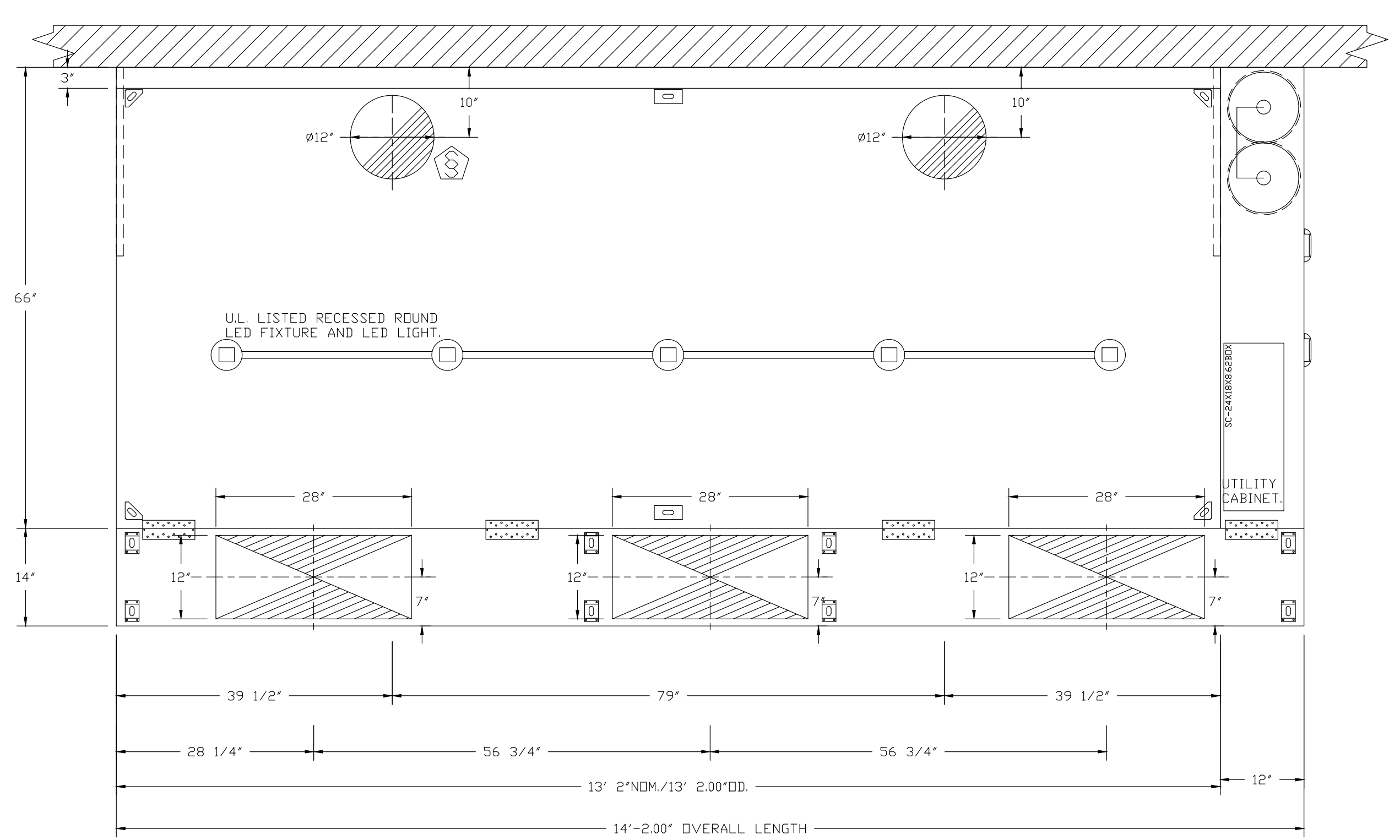


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SECTION VIEW - MODEL 6624ND-2-PSP-F HOOD - #1 (28)



PLAN VIEW - HOOD #1 (28)  
13' 2.00" LONG 6624ND-2-PSP-F  
NOTE: ADDITIONAL HANGING ANGLES PROVIDED FOR HOODS 12' AND LONGER.

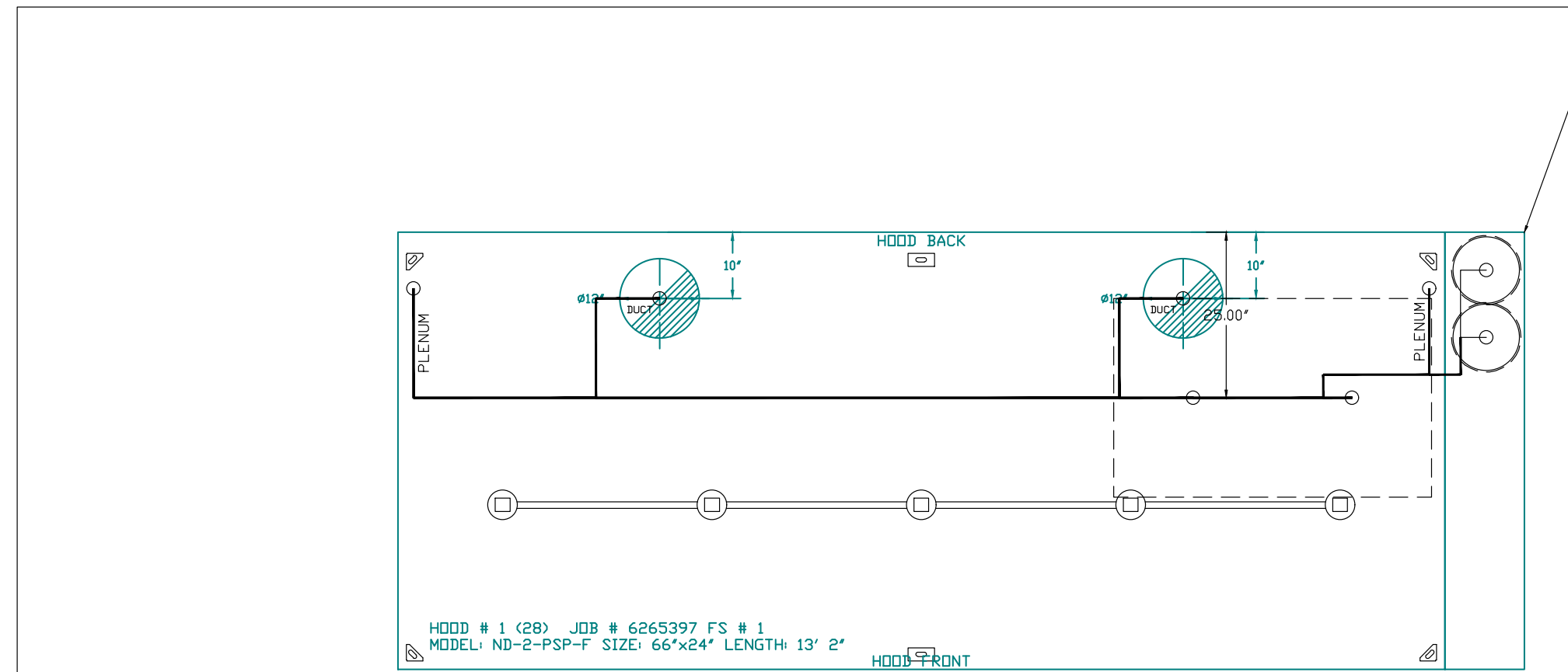
REVISIONS	
NO.	DESCRIPTION

**CAPTIVE**  
Michigan Office  
4880 36th St SE, #203, Grand Rapids, MI 49512 PHONE: (616) 942-9881 FAX: 9192275984 EMAIL: mg77@captiveare.com

Smith Middle School Troy  
Troy, MI, 48098

DATE: 12/14/2023  
DWG.#: 6265397  
DRAWN BY: R.J.F.  
SCALE: 1/2" = 1'-0"  
MASTER DRAWING

SHEET NO. 3



SYSTEM REQUIRES A MINIMUM OF 7 FT OF EQUIVALENT PIPE LENGTH BETWEEN TANK AND NEAREST APPLIANCE NOZZLE FOR HOOD APPLIANCES. EXHAUST FILTERING SHALL BE 15 FT OF EQUIVALENT LENGTH. SEE DRAWING FOR DETAILS.

- NOTES
- FIELD PIPE DROPS AS SHOWN
  - PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY GAS
  - FIELD INSTALLED DROP FACTORY WILL PROVIDE QTY 2 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD-INSTALLED
  - SHIP LOOSE DROP FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED SHIPPED LOOSE TO BE FIELD-INSTALLED
  - RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC
  - OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION
  - IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LOOSE
  - FACTORY PIPING EXTENDS A MAXIMUM OF 6' ABOVE THE TOP OF THE HOOD
  - APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE
  - THIS FIRE SYSTEM COMPLIES WITH UL 300 REQUIREMENTS
  - QL-F NOZZLE PART NUMBER REPLACES 3070-3/BH-10-SS

JOB #: 6265397  
JOB NAME: SMITH MIDDLE SCHOOL TROY  
SYSTEM SIZE: TANK-SP-2 DESIGN FP: 26, MAXIMUM FP: 40  
HOOD # 1 13' 2.00\"/>

LEGEND - FIRE CABINET TANK SYSTEM

- 4 GALLON TANK
- PRIMARY ACTUATOR RELEASE
- SECONDARY ACTUATOR RELEASE
- PRESSURE SUPERVISION SWITCH
- PRIMARY HOSE ASSEMBLY
- SECONDARY HOSE ASSEMBLY
- REMOTE MANUAL ACTUATION DEVICE

FIRE SYSTEM INFORMATION - JOB#6265397

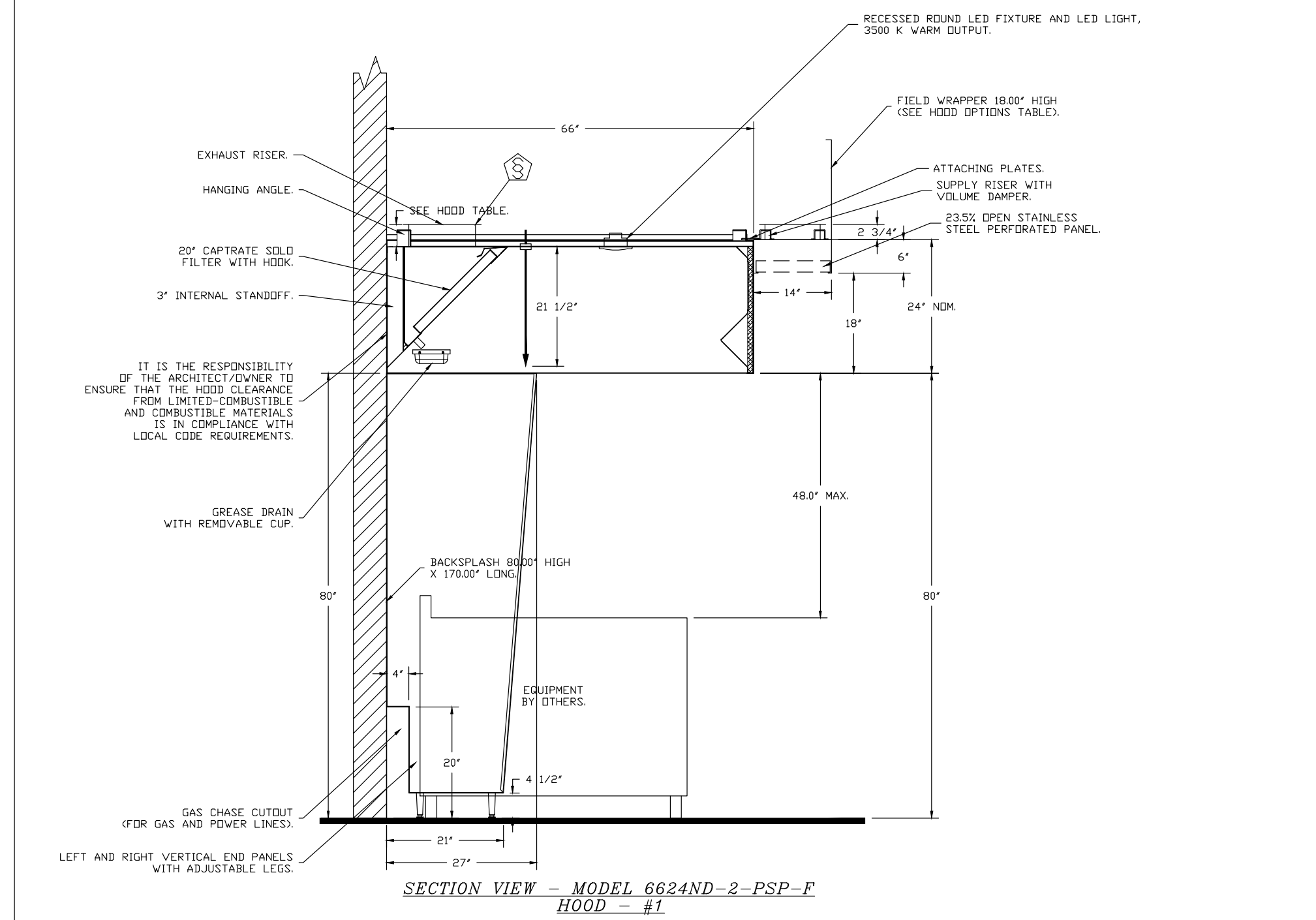
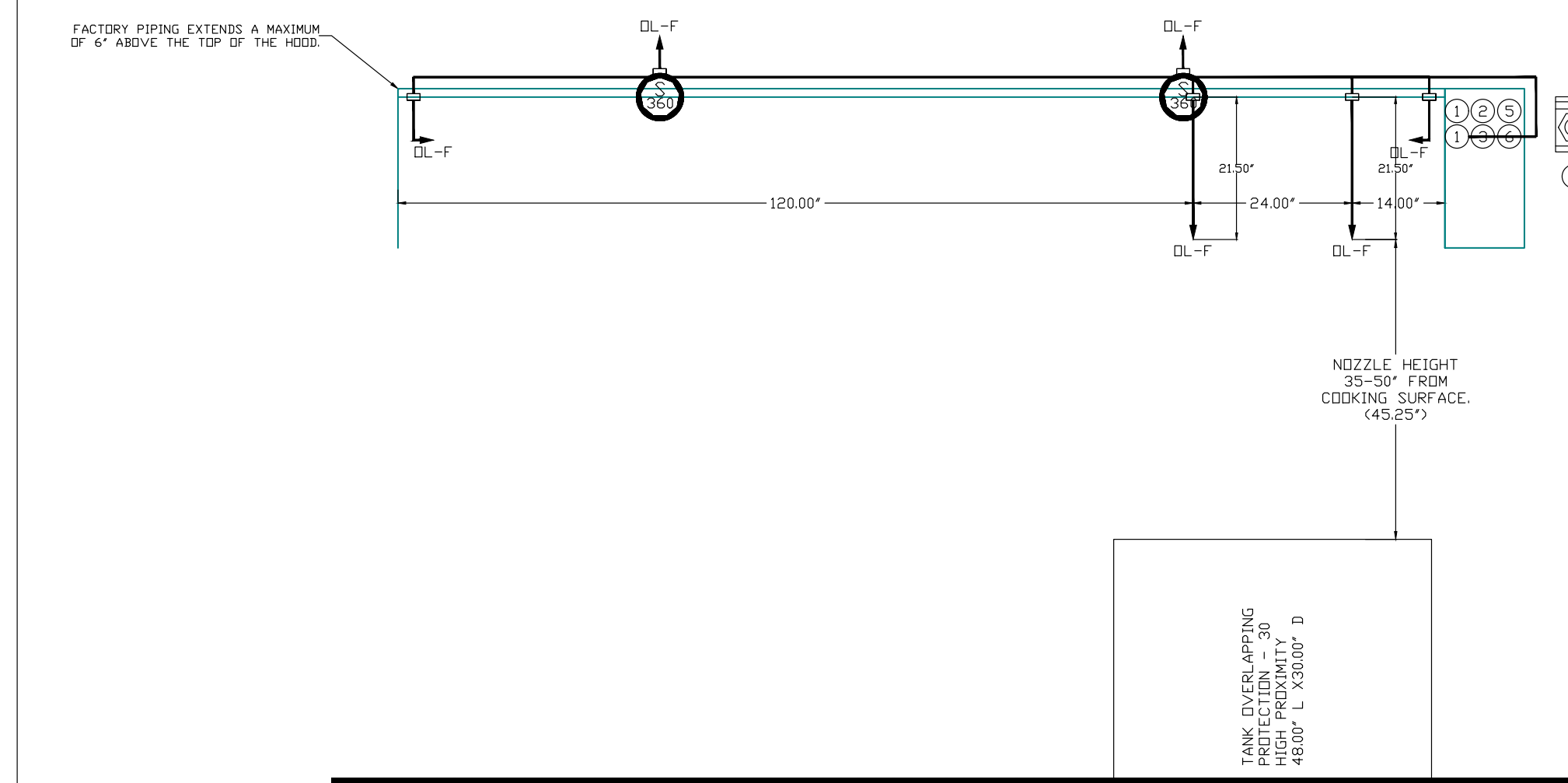
FIRE SYSTEM NO.	TAG	TYPE	SIZE	MAX FR	DESIGN FP	INSTALLATION SYSTEM	LOCATION ON HOOD
1	33	TANK FS	4.0/4.0	40	26	FIRE CABINET RIGHT	RIGHT HOOD 1

GAS VALVE(S)

FIRE SYSTEM NO.	TAG	TYPE	SIZE	SUPPLIED BY
1	33	SC ELECTRICAL	2.000	CAPTIVEARE SYSTEMS

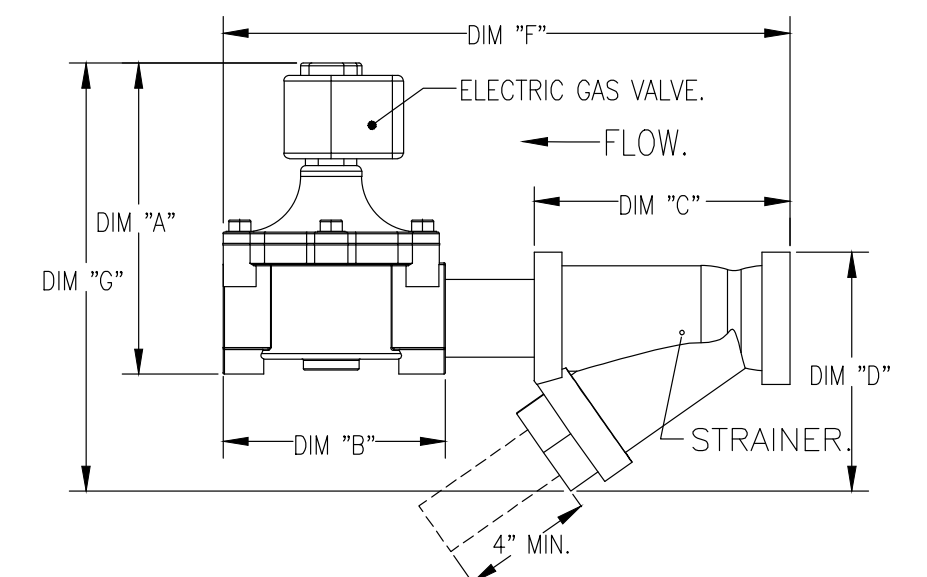
FIRE SYSTEM PARTS LIST KEY

FIRE SYSTEM NO.	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY BIST
0	0	TANK FIRE SUPPRESSION POST-DISCHARGE PROCEDURE UTILITY CABINET LABEL SHEET	1	0
0	0	TANK FIRE SUPPRESSION MAINTENANCE GUIDE UTILITY CABINET LABEL SHEET	1	0
0	0	12-FP8001-30144-01-360 DUCT FIRE THERMISTAT WITH 12 FOOT WIRE LEADS, ND, CLOSURE ON TEMP RISE AT 900°F	2	0
0	0	32-00008 OJIK SEAL - 1/2\"/>		



GAS VALVES AND STRAINERS

TYPE	SIZE	VOLTAGE	GAS VALVE SIZING		GAS VALVE DIMENSIONS							INSTALLATION	GAS VALVE PART NUMBER	STRAINER PART NUMBER	GAS VALVE/STRAINER KIT
			MIN. INLET PRESSURE	MAX. INLET PRESSURE	FLOW AT 1 IN.W.C. (DROP MAXIMUM GAS BRIDGE)	FLOW AT 1 IN.W.C. (DROP MAXIMUM GAS BRIDGE)	DM \"A\"	DM \"B\"	DM \"C\"	DM \"D\"	DM \"E\"				
ELECTRICAL	2\"/>														



REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**New Smith Middle School**

Troy School District  
 Troy, Michigan

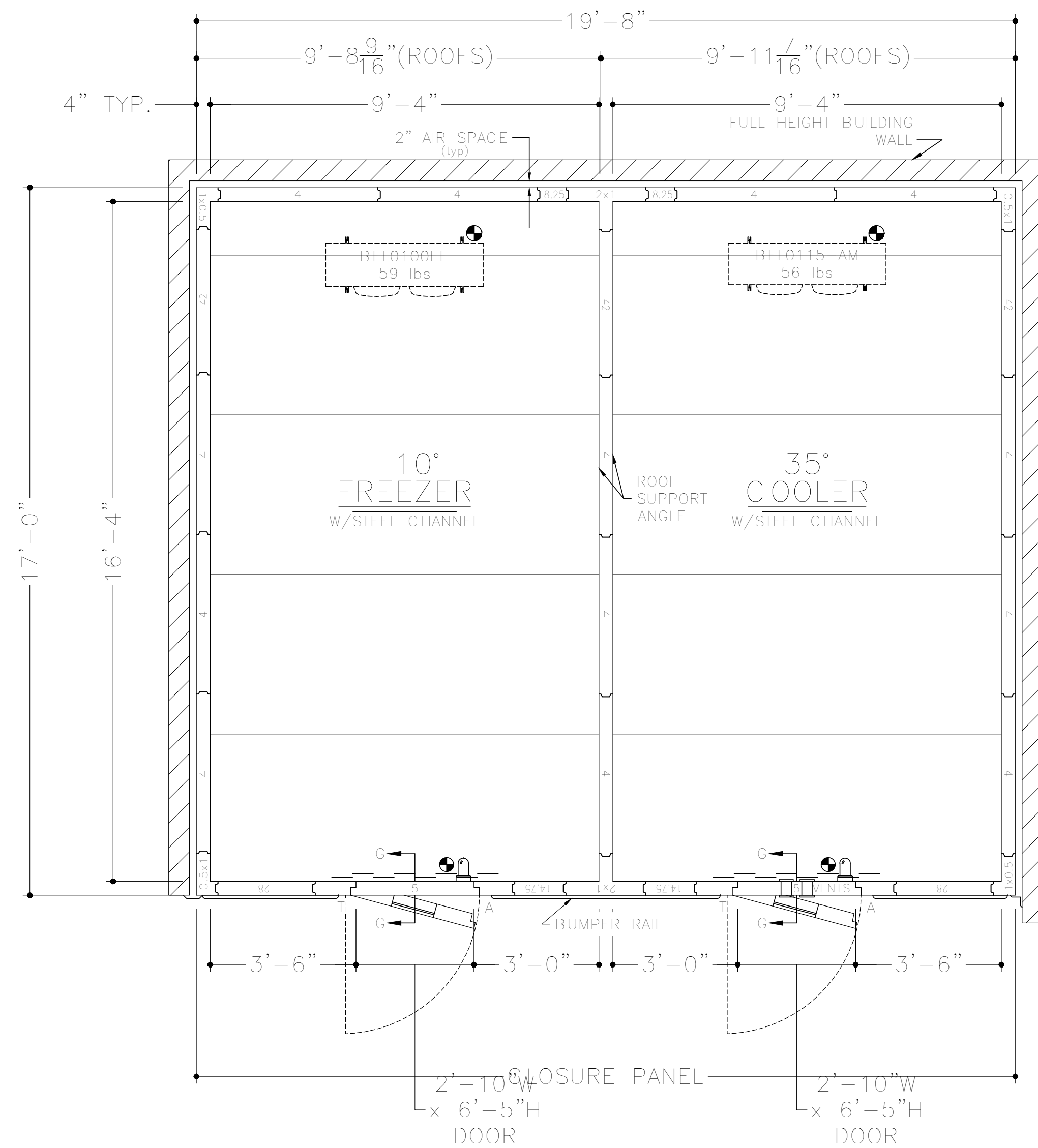
DRAWING TITLE  
**Food Service Equipment Walk in Refrigerator & Freezer Details**

KEY PLAN

ISSUE DATES

DATE: 06-18-2024  
 ISSUED FOR: CONSTRUCTION DOCUMENTS

PROJECT NO.  
**22102**  
 DRAWING NO.  
**FSE.9**



- ~SPECIFICATIONS~
- BOX HEIGHT: FREEZER - 9'-3" OVERALL (8'-4" INTERIOR)  
COOLER - 9'-3" OVERALL (8'-4" INTERIOR)
  - CONSTRUCTION: FOAMED IN PLACE  
NSF LISTED, STANDARD NO. 7
  - INSULATION: 4" URETHANE, FINISHED PANEL  
UL CLASSIFIED FLAME SPREAD 20  
CORE SMOKE DEVELOPED 250
  - INSTALLATION: INDOOR
  - FLOOR: FREEZER - FLOORLESS W/STEEL CHANNEL  
INSULATED SLAB (SLAB BY OTHERS)  
COOLER - FLOORLESS W/STEEL CHANNEL  
INSULATED SLAB (SLAB BY OTHERS)
  - DOOR HARDWARE & ACCESSORIES: POWER TO BE STUBBED OUT CEILING PANEL  
DRY CONTACT LEADS TO BE STUBBED OUT CEILING PANEL IN A SEPARATE STUB OUT  
DEADBOLT HANDLE W/KEYED CYLINDER LOCK, PADLOCK  
PROVISION & QUARTER TURN INSIDE RELEASE  
FRAME HEATER WIRE  
HYDRAULIC DOOR CLOSER  
10" WALK-IN DOOR CONTROLLER AND ALARM SYSTEM INCLUDING:  
INTEGRATED LIGHT SWITCH WITH AUTOMATIC LIGHT OFF AND 3-WAY & 4-WAY CAPABILITY  
TEMPERATURE MONITOR AND LOGGER WITH HIGH TEMP. AND LOW TEMP. VISUAL AND AUDIO ALARM  
F OR C TEMPERATURE SELECTION  
INTEGRATED DRY CONTACT FOR ALARM SIGNALING & POWER FAILURE (1A @ 24VAC, 1A @ 30VDC)  
DOOR AND WINDOW HEATER CONTROL (WHEN SO EQUIPPED)  
HACCP PREVIEW VIA ONBOARD LCD SCREEN  
HACCP DOWNLOAD VIA USB  
WIFI CONNECTIVITY (INTERNET ENABLED WIFI NETWORK NEEDED)  
BATTERY BACKUP  
TEMPERATURE ALARM NOTIFICATION VIA EMAIL &/OR EMAIL TO SMS TEXT MESSAGES  
POWER FAILURE NOTIFICATION VIA EMAIL &/OR EMAIL TO SMS TEXT MESSAGES  
(FOR THIS FEATURE TO WORK THE LOCAL WIFI NETWORK MUST BE  
POWER PROTECTED AND WORKING AT THE TIME OF POWER FAILURE EVENT)  
AUTOMATIC AND ON DEMAND TRANSMISSION OF HACCP DATA VIA EMAIL  
ADAPTIVE SETTINGS  
25" AIR TEMPERATURE PROBE  
DOOR SWITCH TO ENABLE DOOR AJAR ALARM, DOOR AJAR NOTIFICATION VIA EMAIL &/OR  
EMAIL TO SMS TEXT MESSAGES, AND AUTOMATIC LIGHTS ON WHEN DOOR OPENS  
PANIC ALARM WITH ILLUMINATED PANIC BUTTON, ALARM BUZZER WITH LED  
& NOTIFICATION VIA EMAIL &/OR EMAIL TO SMS TEXT MESSAGES  
2" FLUSH MOUNT BAL THERMOMETER W/4" PROBE  
KASON SCREW-IN VAPOR PROOF LIGHT FIXTURE  
W/8.5 WATT SYLVANIA LED BULB & GLOBE  
STRIP CURTAIN  
2 - STD. CAM RISE HINGES  
HEATED VISION WINDOW (14" x 14")  
1/8" DIAMOND ALUMINUM TREAD PLATE KICKPLATES @ 36" HIGH 1/5 & 0/5  
2 - KASON #1827 PRESSURE RELIEF VENT(S) (FREEZER ONLY)
- ACCESSORIES: (VERIFY HINGE)  
 2 - PCS. TRIM ANGLE  
 2 - CLOSURE PANEL TO AN EXISTING CEILING (PER PLAN)  
 4 - 48" (1810LC) LED LIGHT FIXTURE(S) @ 40W EACH  
 ROOF SUPPORT ANGLE W/BEAUTY TRIM  
 RIGID VINYL CHANNEL BUMPER RAIL (BOSTON SERIES 2000) W/VINYL INSERT @ 37" A.F.F. (PER PLAN)  
 2 - BAKELITE LABEL(S) (BLACK)  
 "FREEZER" "COOLER"  
 VISQUEEN PLASTIC SHEETING  
 2 LAYERS OF 2" THICK URETHANE SLAB INSULATION  
 INTERIOR WALLS - .032 STUCCO ALUMINUM  
 INTERIOR CEILING - WHITE 2ND STUCCO ALUMINUM  
 EXPOSED EXTERIOR - .032 STUCCO ALUMINUM  
 UNEXPOSED EXTERIOR - .032 STUCCO ALUMINUM  
 EXTERIOR CEILING - 26 GA STUCCO ACRYLUME
- REFRIGERATION:  
 U.L. LISTED, AIR COOLED, OUTDOORS
- FREEZER  
 CONDENSING UNIT: 1 - STD. PRE-ASSEMBLED REMOTE - HERMETIC SCROLL  
 2.00 HP MODEL NO. FF4L-62RZ-TFC-075 (R-448A)  
 EVAPORATOR: 1 - MODEL NO. BELD100BSREL W/E.C. MOTORS & I.R.C.
- COOLER  
 CONDENSING UNIT: 1 - STD. PRE-ASSEMBLED REMOTE - HERMETIC SCROLL  
 2.00 HP MODEL NO. FF4L-62RZ-TFC-075 (R-448A)  
 EVAPORATOR: 1 - MODEL NO. BELD115BSREL W/E.C. MOTORS & I.R.C.
- REFRIGERATION ACCESSORIES:  
 2 - WINTERIZATION CONTROLS/LASA  
 2 - U.L. LISTED COMPRESSOR COVER(S) (HINGED)  
 2 - STAN(S) FOR U.L. COVER (18" HIGH)
- NOTE: THE LARGEST DOOR PANEL ON THIS JOB IS 57.5" x 107".  
 NOTE: THE LARGEST ROOF PANEL ON THIS JOB IS 46.5" x 119.75".  
 CUSTOMER IS TO VERIFY THAT THIS PANEL SIZE  
 WILL NOT CONFLICT WITH ANY JOB SITE RESTRICTIONS.  
 NOTE: CUSTOMER IS TO VERIFY ALL DIMENSIONS,  
 SECTIONS, DETAILS AND SPECIFICATIONS  
 NOTE: MAXIMUM LIGHT CIRCUIT LOAD IS 1200W 120VAC THINGSTEN,  
 5A 120VAC ELECTRONIC BALLAST, FOR HIGHER LOADS ADDITIONAL  
 LIGHT FIXTURES MUST BE CONTROLLED VIA RELAY (BY OTHERS).

ELECTRICAL DATA

☉ = POINT OF ELECTRICAL CONNECTIONS.

ITEM #	DESCRIPTION	AMPS
FREEZER	CONDENSING UNIT: 208-230V/60/3φ 14.2/11.8/30.0 (RLA/MCA/MOP)	
	EVAPORATOR: 208-230V/60/1φ 1.5/3.5 AMPS	
COOLER	CONDENSING UNIT: 208-230V/60/3φ 9.1/13.0/20.0 (RLA/MCA/MOP)	
	EVAPORATOR: 208-230V/60/1φ 1.1 AMPS	
WALK-IN DOORS:	115v/1φ - 350w*	

\*NOTE: ADD WATTAGE FOR EACH ADDITIONAL LIGHT FIXTURE IN ACCESSORIES.

WALK-IN PANEL		
BUILDING UNITS	R-8967	R-8967 37M2
USA		
SURFACE BURNING CHARACTERISTICS		
MATERIAL DETAILS	"FLAME SPREAD"	"SMOKE DEVELOPED"
ALUMINUM PANELS, PAINTED OR UNPAINTED, 5" OR LESS	15	350
GALVANIZED STEEL OR STAINLESS STEEL PANELS, PAINTED OR UNPAINTED, 5" OR LESS	10	400 TO 500
CORE MATERIAL 6" THICK	20	250

AMERICAN PANEL WALK-IN COOLERS AND FREEZERS COMPLY WITH THE 2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC), SECTION C403.11

THIS AMERICAN PANEL WALK-IN WILL BE MANUFACTURED TO UL & NSF REQUIREMENTS. AMERICAN PANEL ACCEPTS NO LIABILITY FOR LOCAL CODE REQUIREMENTS OF WHICH AMERICAN PANEL HAS NOT BEEN MADE AWARE OF IN WRITING PRIOR TO FABRICATION.

INSULATION R-VALUES		FREEZER		COOLER	
PANEL TYPE	COOLER / FREEZER	DOOR FRAME KWH/DAY	3,600	DOOR FRAME KWH/DAY	1,584
4" WALLS, ROOFS	R-23 / R-32	CONDENSING UNIT AWEF VALUE	3.15	CONDENSING UNIT AWEF VALUE	7.6
5" WALLS, ROOFS	R-36 / R-40	EVAP AWEF VALUE	4.0	EVAP AWEF VALUE	9.0
FLOORS	R-25 / R-28				
DOORS	R-32				

APPROVED \_\_\_\_\_ SIGNATURE \_\_\_\_\_  
 APPROVED AS NOTED \_\_\_\_\_ PRINT NAME \_\_\_\_\_  
 REVISE & RESUBMIT \_\_\_\_\_ DATE \_\_\_\_\_

- Please verify that door swing and location are correct.
- If this walk-in is to be installed in a depression, or quarry tile is to be applied to the interior, depression depths or tile thickness must be specified to insure proper door height.
- All site preparation, floor or slab construction, plumbing, electrical connections (including control wiring) by others.
- Electrical: 115-60-1 required above latch side of each door, through ceiling, to operate frame heater and light.
- Special note to General Contractor and his Sub-Contractor for quarry tile or concrete wearing floors: the sheet metal panel facings may be susceptible to staining due to excessive moisture created by hydration of concrete type materials. Therefore, it is absolutely necessary that each room be properly ventilated. Also note that special precautions must be taken when using muriatic acid due to effects hydrochloric acid fumes have on aluminum and stainless steel.

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ITEM #1

REV.	DATE	ADJUSTED RMS	DESCRIPTION	REV. BY	DATE
B	1/17/24		REVISED BOX WITH DOOR SWING, AND REVERSED COMPARTMENT LOCATION		
A	12/12/23			DMW	WG

Rev. #1

DATE:	10/16/23	DRAWN BY:	DMW/JJS	P.O.#:	
SCALE:	5/16"=1'-0"	PROJ.#:	PD208589	JOB#:	
				SHEET:	11 of 2

**American Panel** CORPORATION  
 5810 S.E. 78th St., Ocala, Florida 34472  
 Ph. (352) 245-7055 Fax (352) 245-0726

CUSTOMER:  
 HRI, INC.  
 PROJECT:  
 TROY SCHOOLS - NEW SMITH MIDDLE - TROY, MI

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**New Smith Middle School**

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Food Service Equipment Walk in Refrigerator & Freezer Details**

KEY PLAN

ISSUE DATES

DATE: 06-18-2024  
 ISSUED FOR: CONSTRUCTION DOCUMENTS

DRAWN: RSW

CHECKED: ...

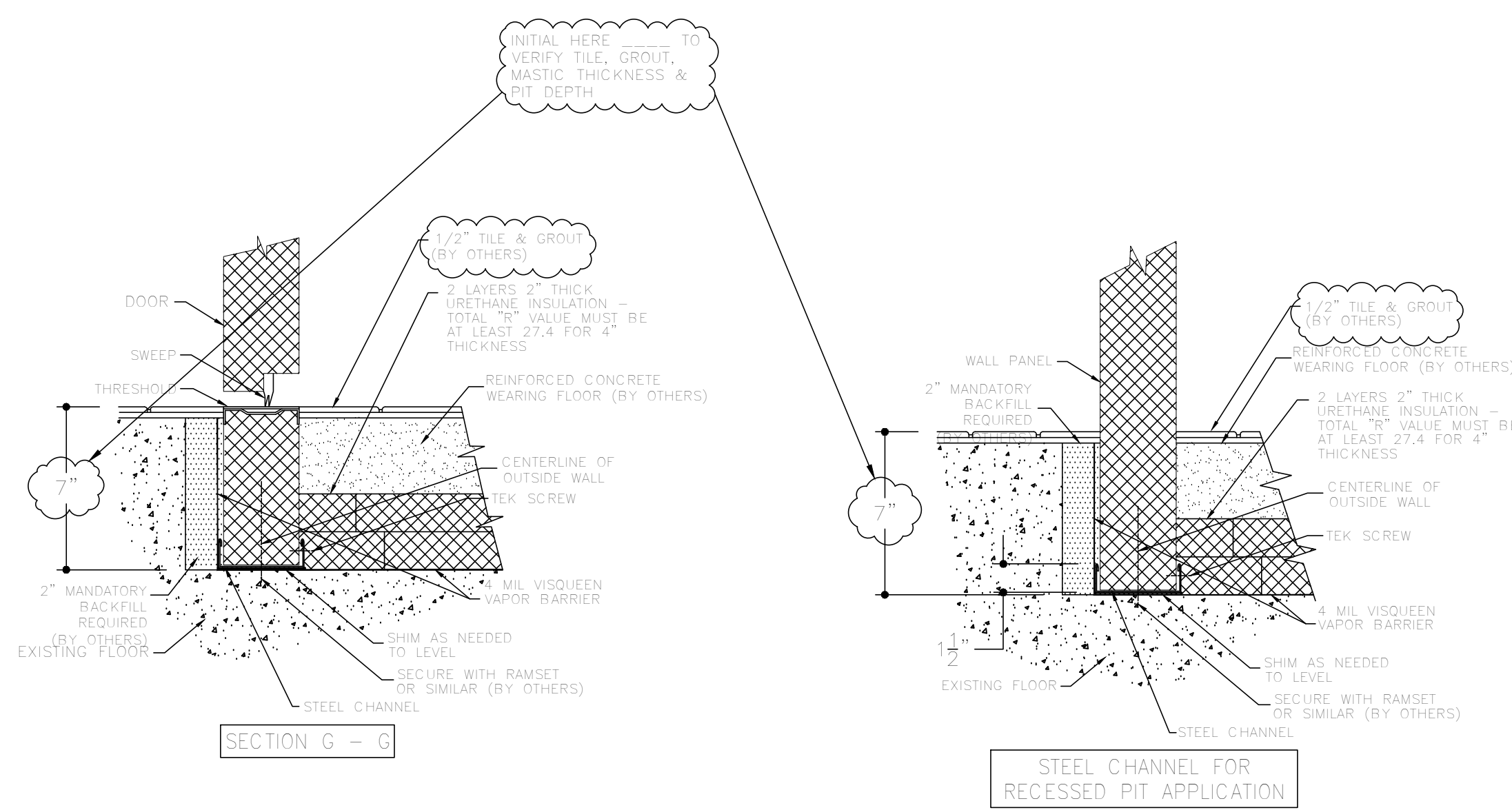
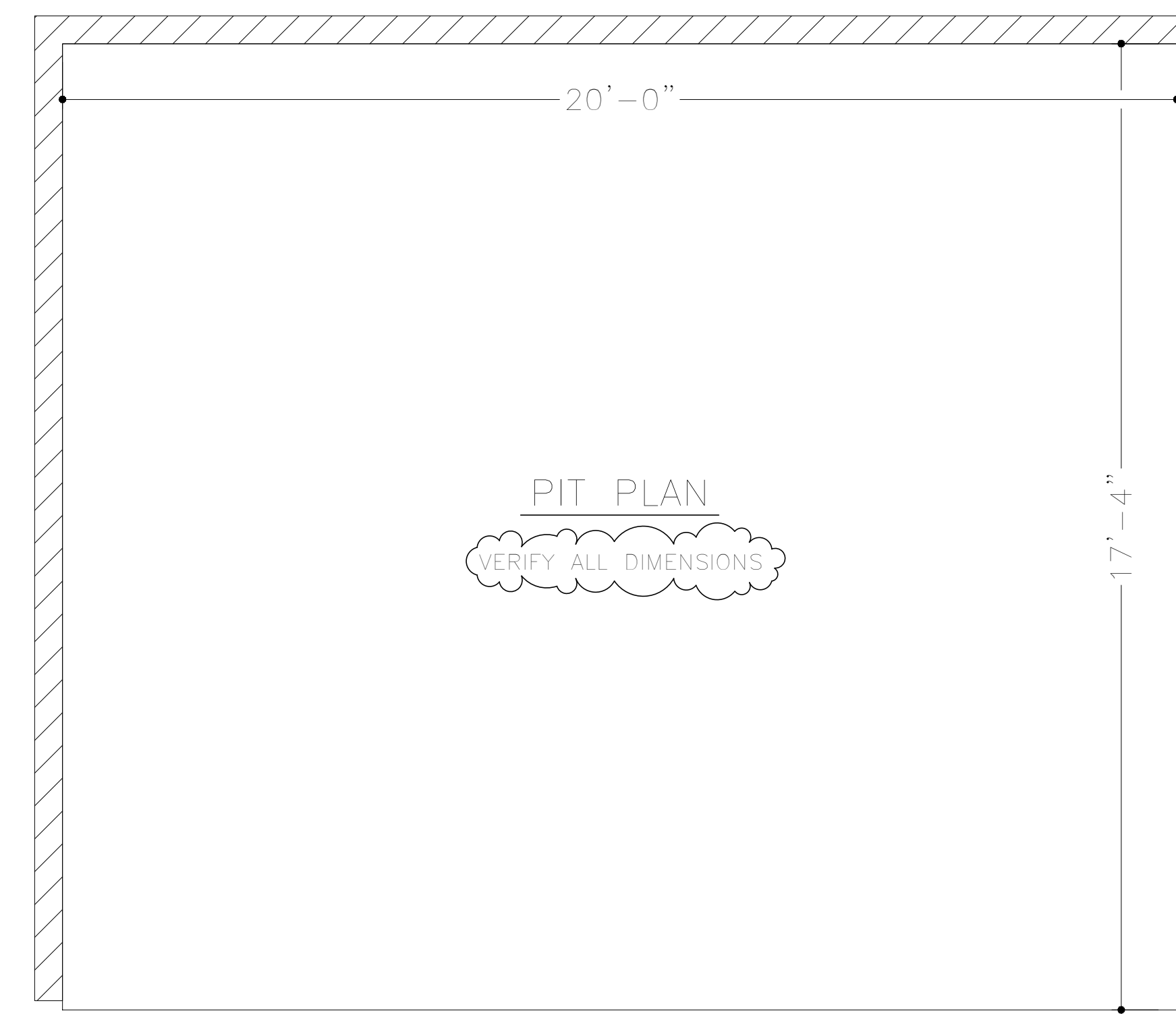
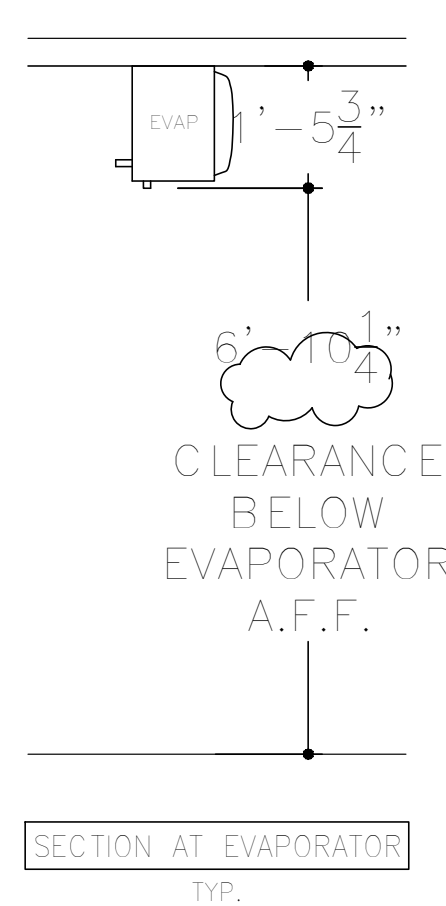
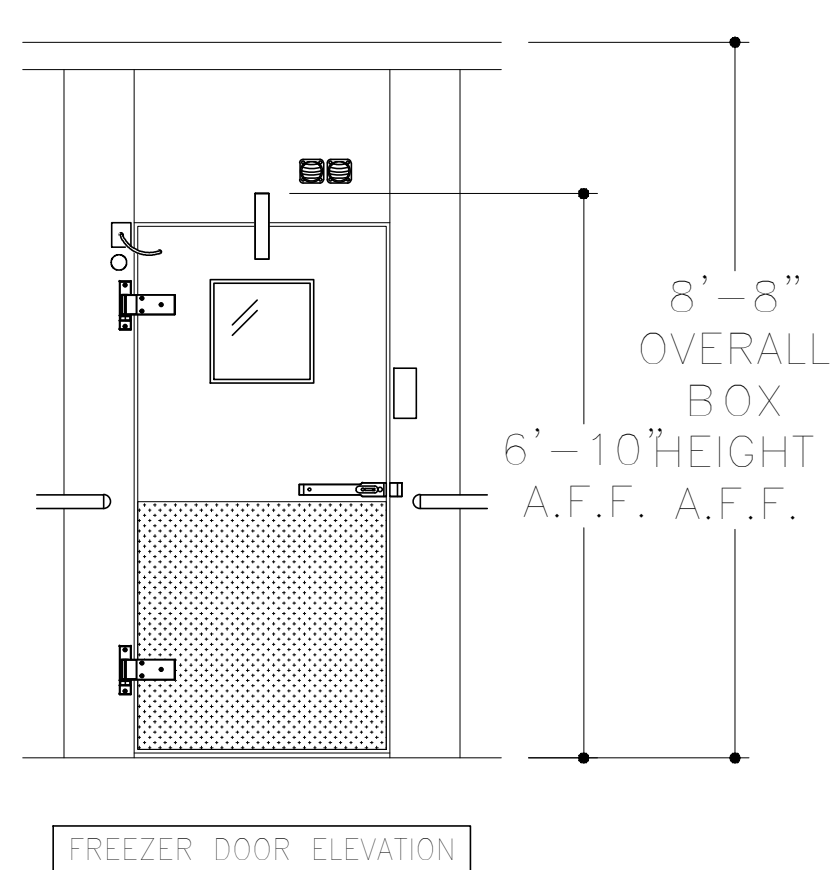
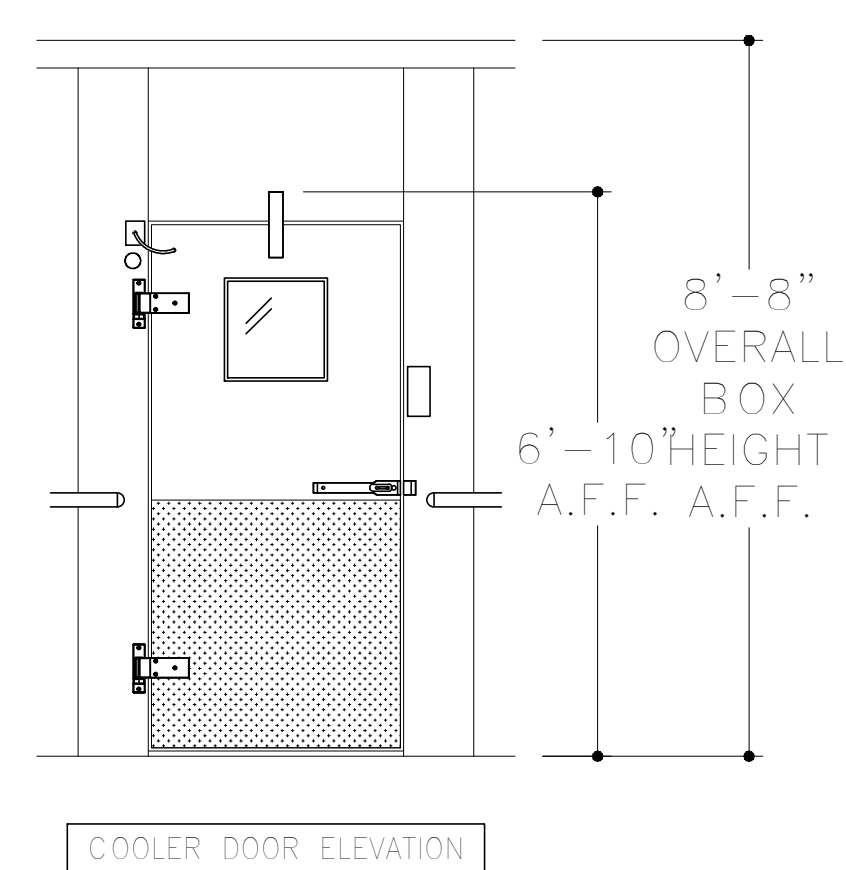
APPROVED

PROJECT NO.

**22102**

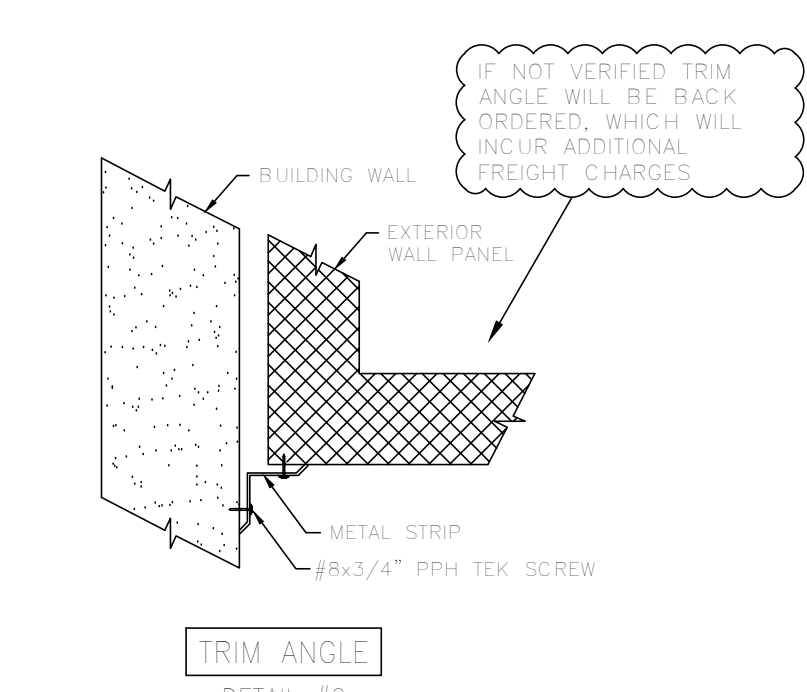
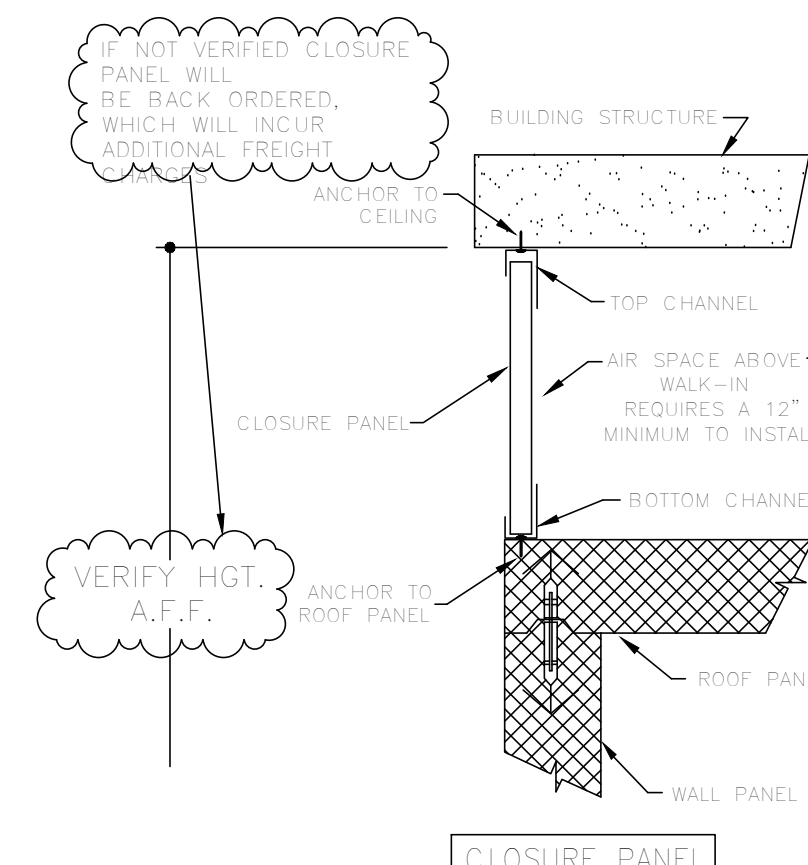
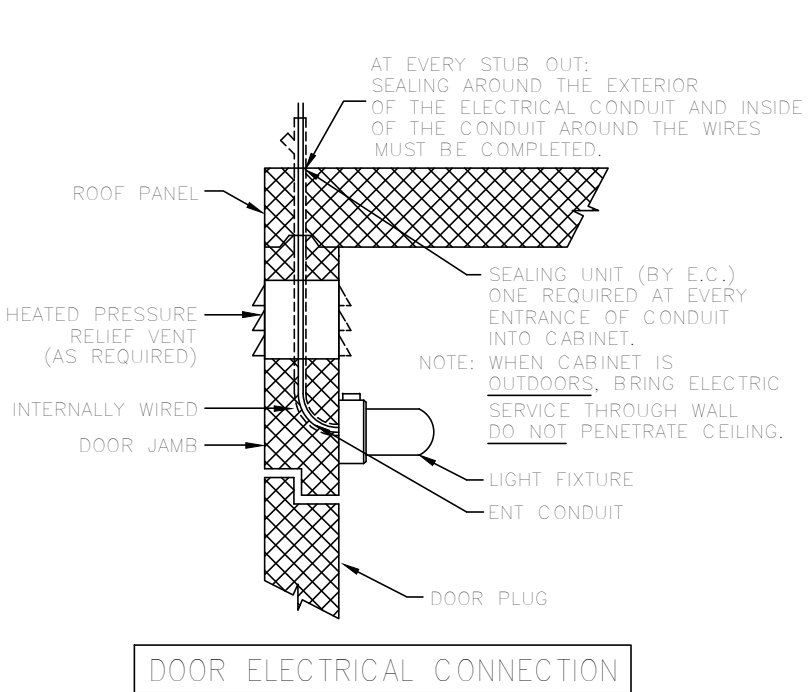
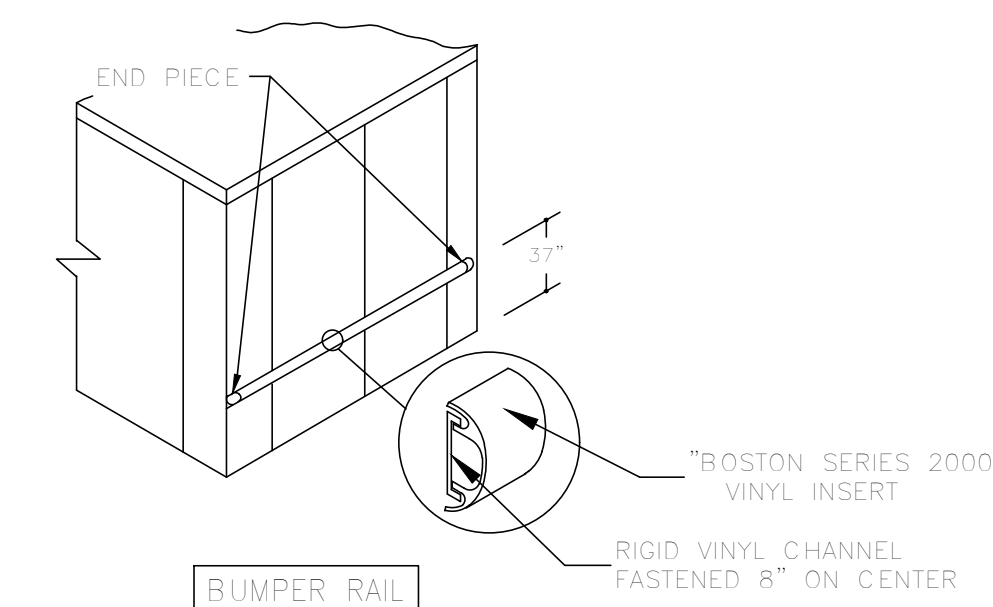
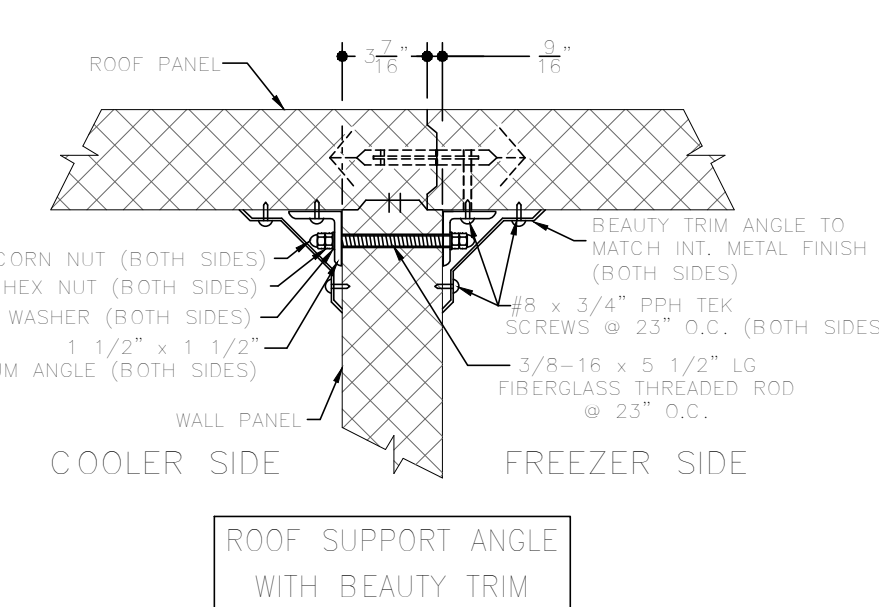
DRAWING NO.

**FSE.10**



WALK-IN IS TO BE INSTALLED IN A COMPLETELY DRY PIT, BACKFILLED AND SEALED PRIOR TO ANY RAIN.  
 To prevent metal corrosion, doors must be kept open and air circulating during application and curing of all flooring materials including concrete, grout, epoxy, etc.

(2)XAVC-06FS-GPLM



REV.	DATE	DESCRIPTION	REV. BY	CHK'D BY
B	1/7/24	REVISED DOOR ELEVATION AND PIT PLAN		LC-WO
A	12/12/23	UPDATED DETAILS		DMW-WO

<b>American Panel</b>		AMERICAN PANEL CORPORATION	
CUSTOMER: HRI, INC.		3800 S.E. 78th St., Ocala, Florida 34472	
PROJECT: TROY SCHOOLS - NEW SMITH MIDDLE - TROY, MI		PH. (352) 245-7055 Fax (352) 245-0726	
DATE: 10/16/23	DRAWN BY: DMW/JS	P.O.#:	
SCALE: 5/16" = 1'-0"	PROPOSAL#: PD208589	JOB#:	SHEET 2 of 2

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**New Smith  
Middle School**

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Food Service Equipment  
Elevation and Section  
Details**

KEY PLAN

ISSUE DATES

06-18-2024 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN: RSW

CHECKED: ...

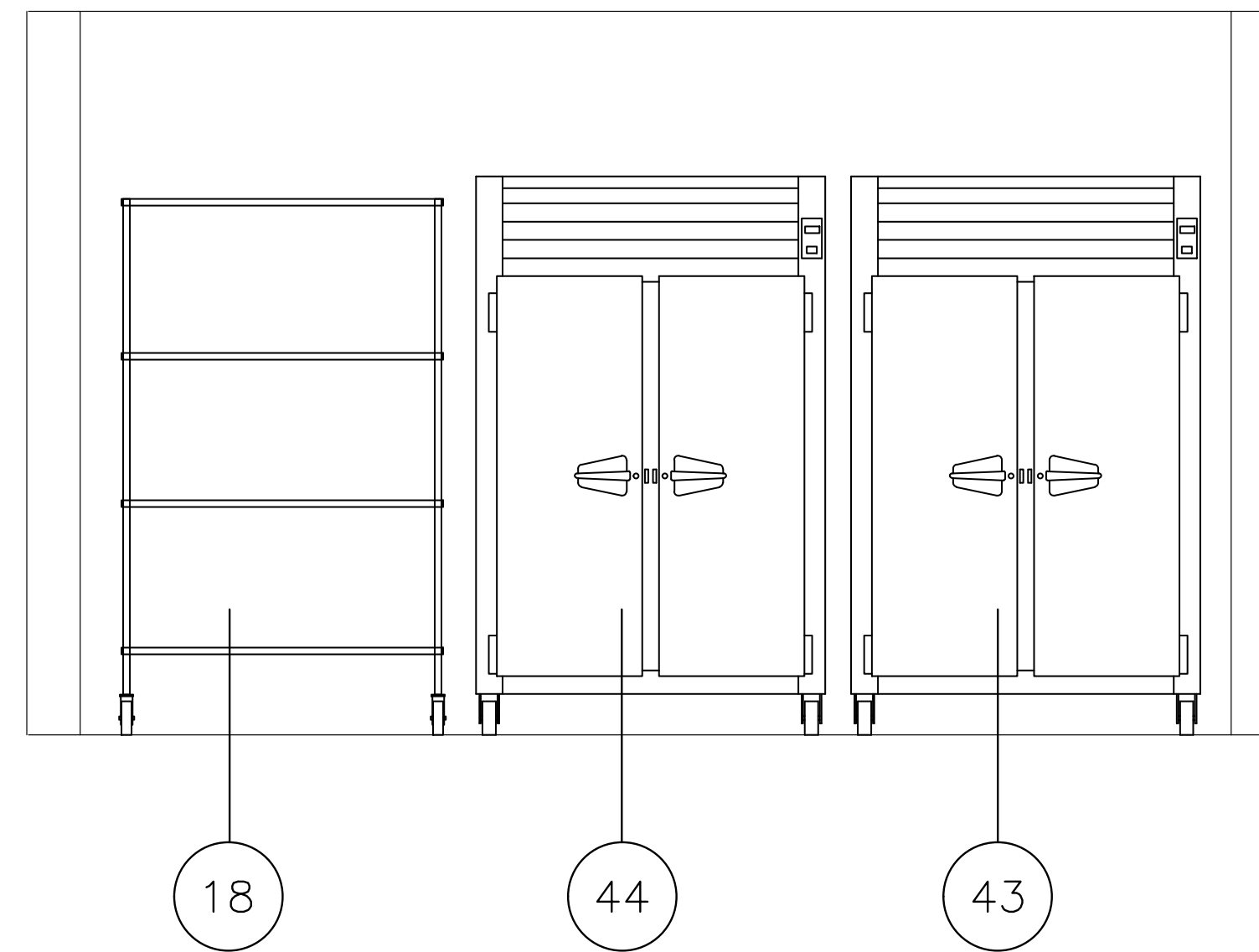
APPROVED

PROJECT NO.

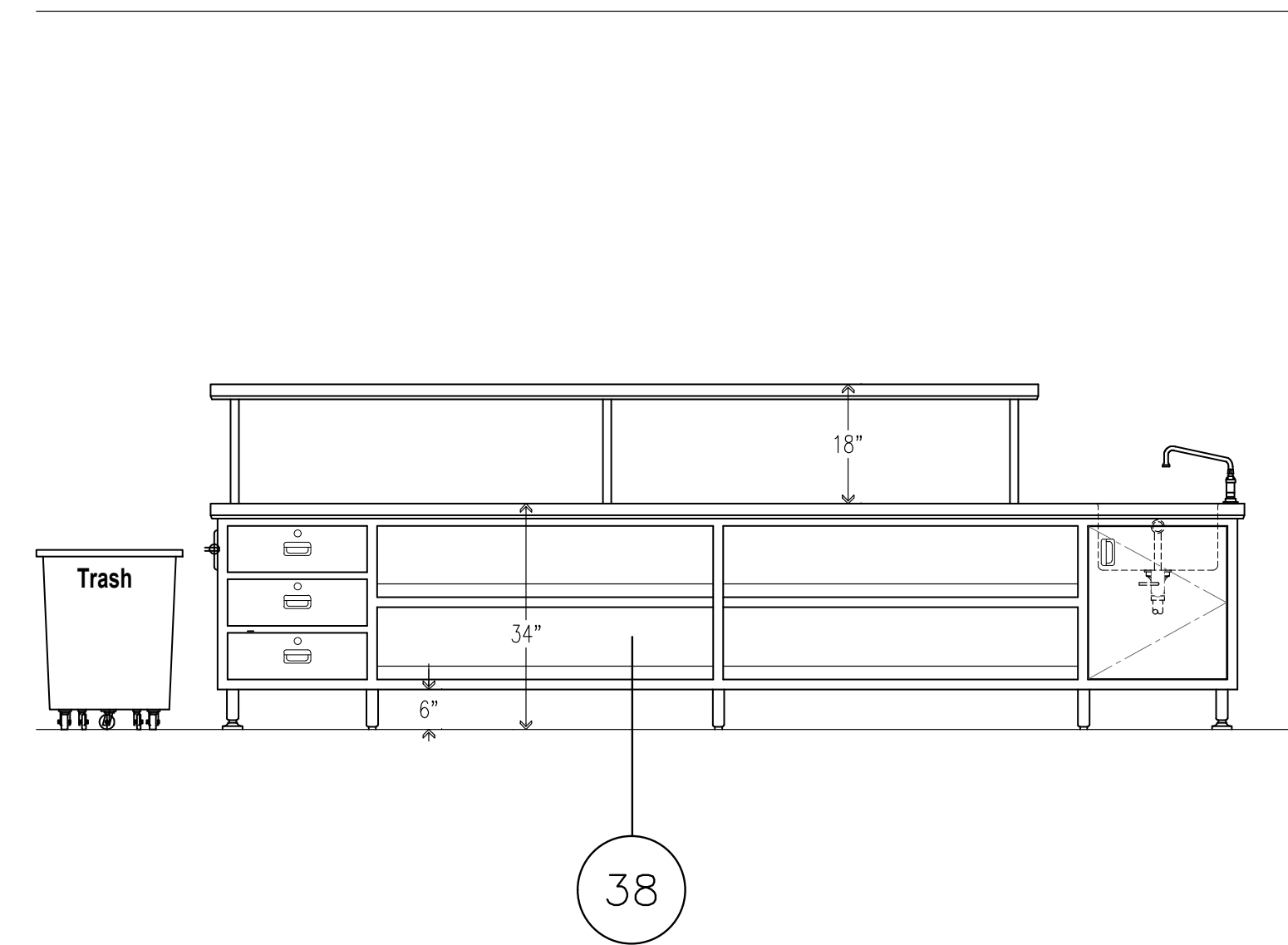
**22102**

DRAWING NO.

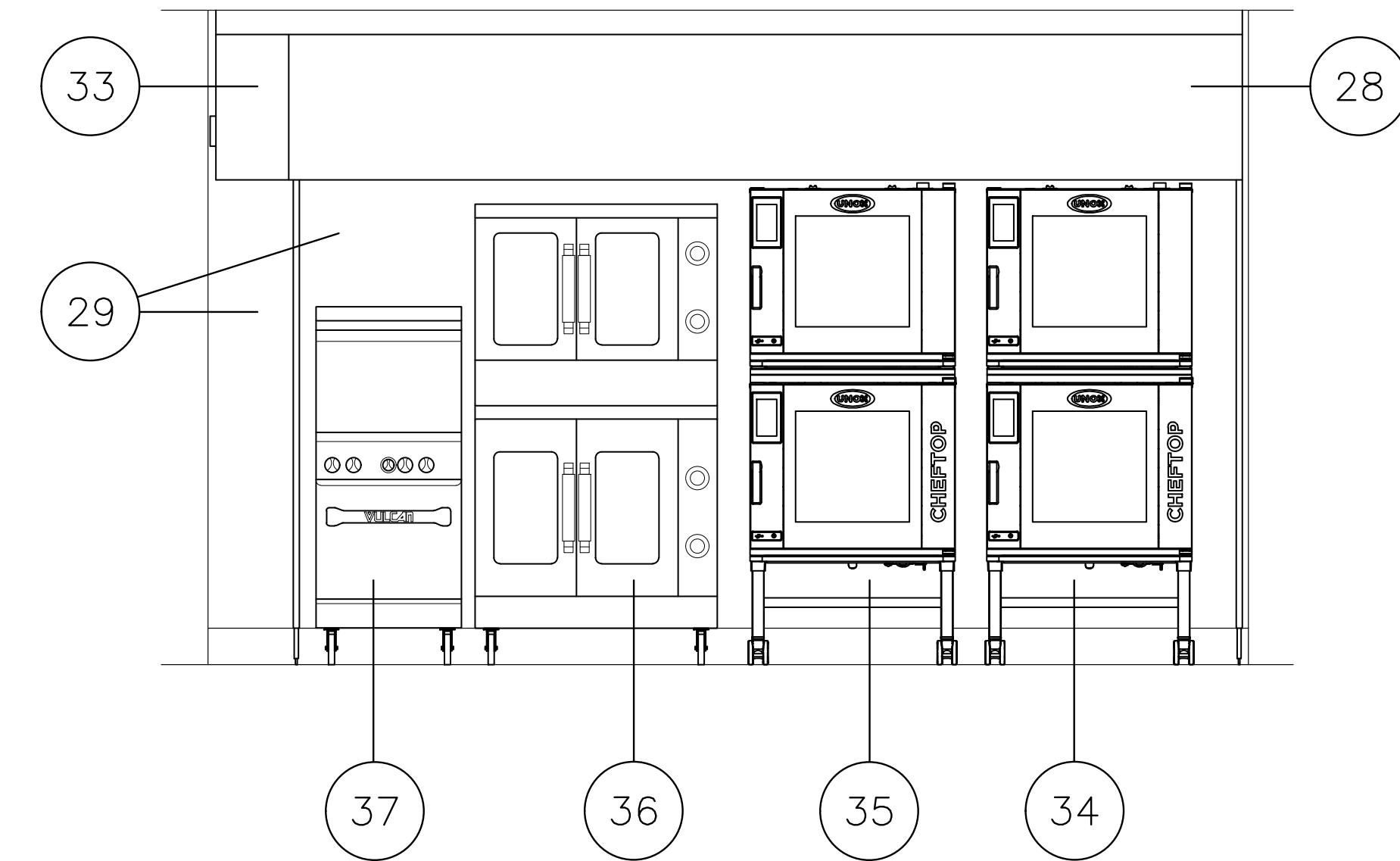
**FSE.11**



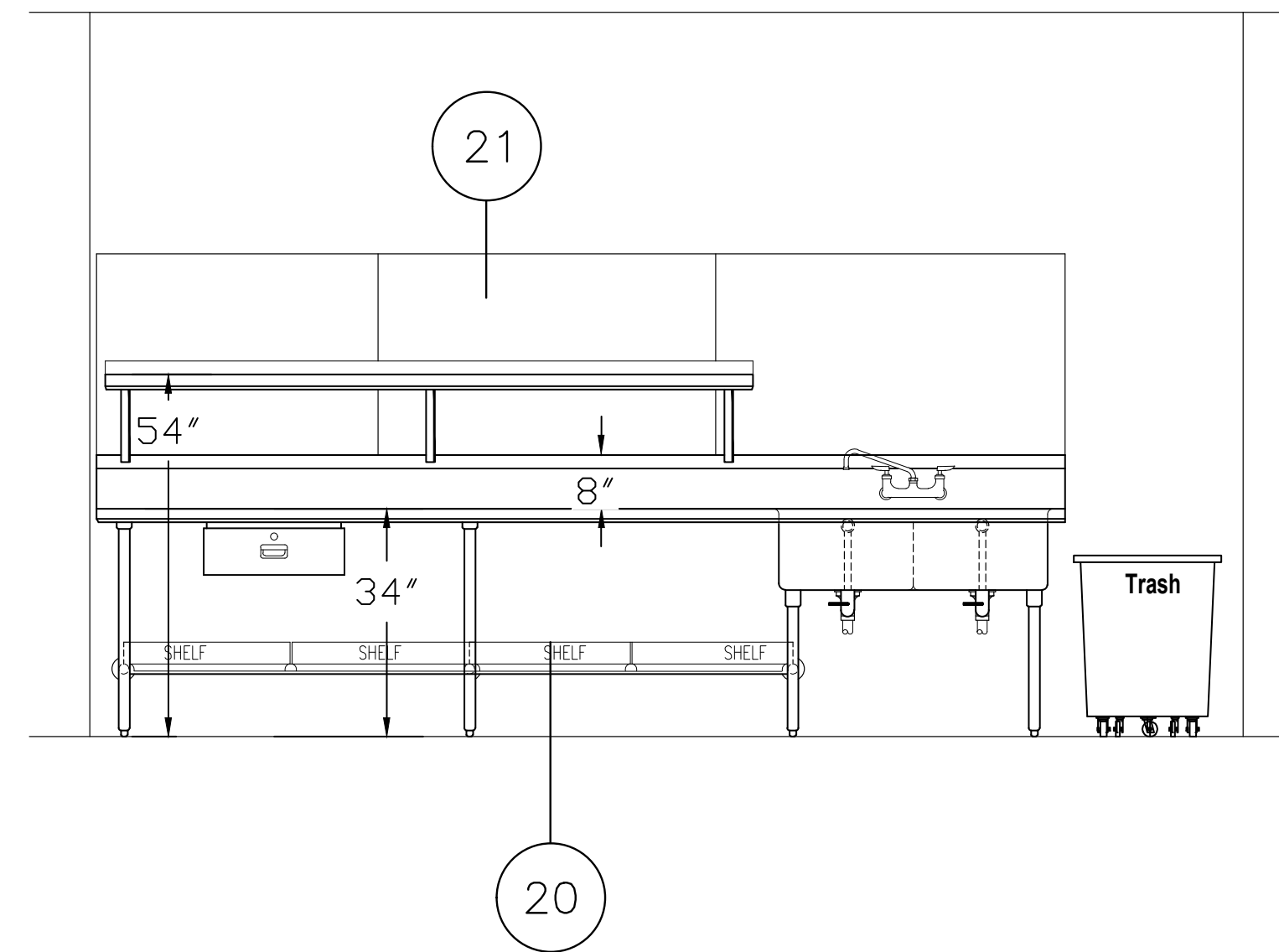
**ELEVATION NO. 1**  
SCALE 1/2"=1'-0"



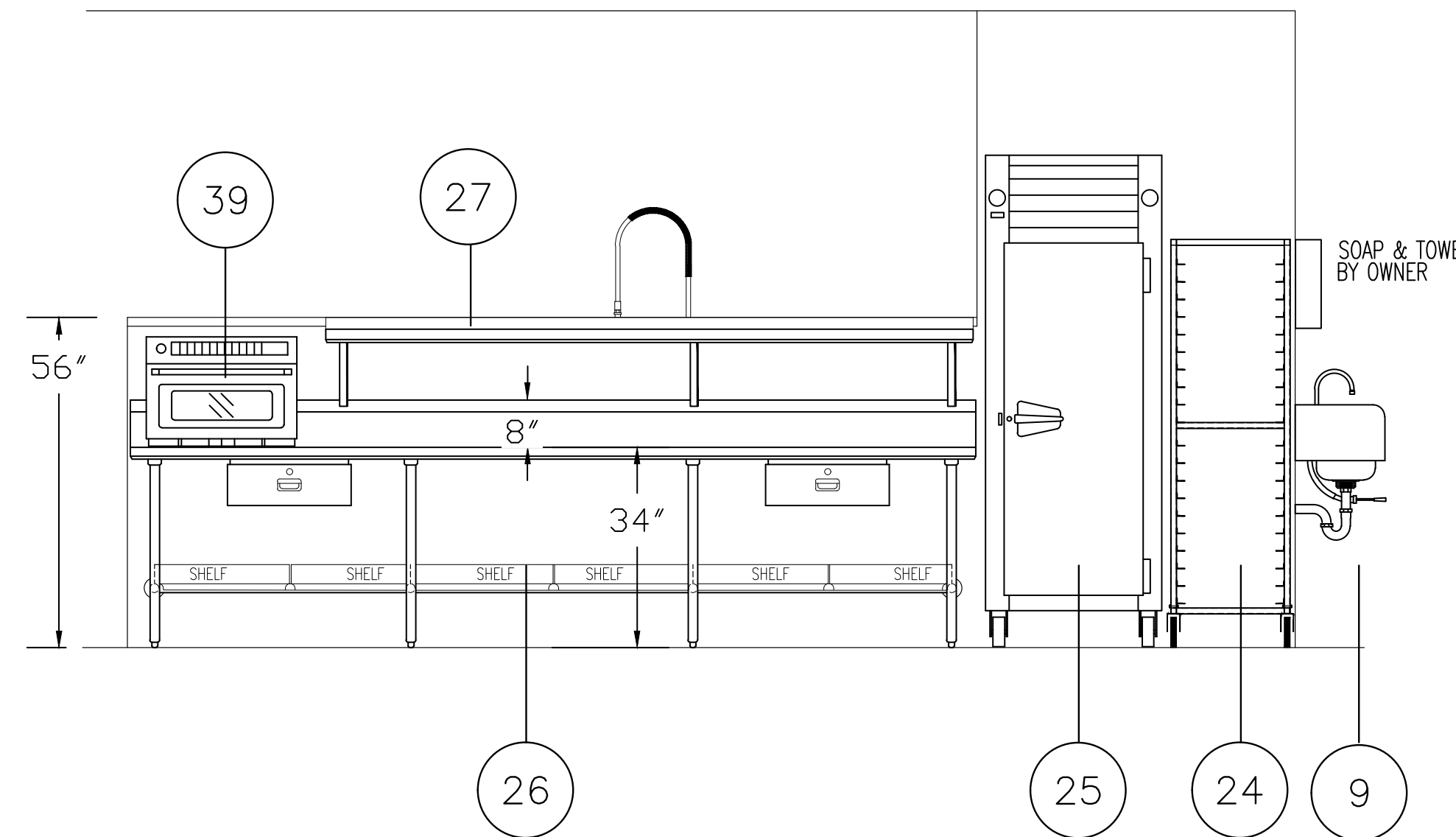
**ELEVATION NO. 2**  
SCALE 1/2"=1'-0"



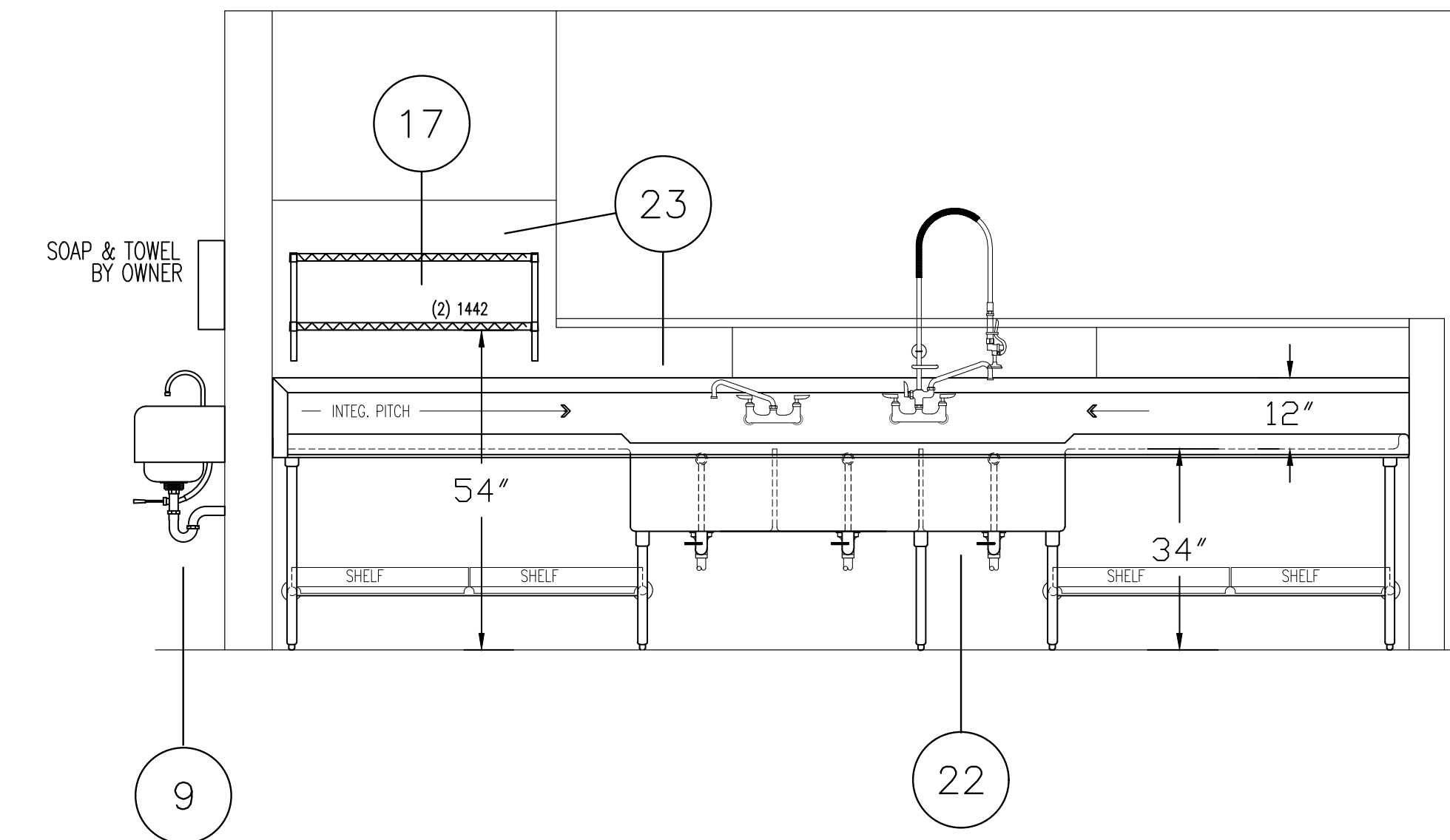
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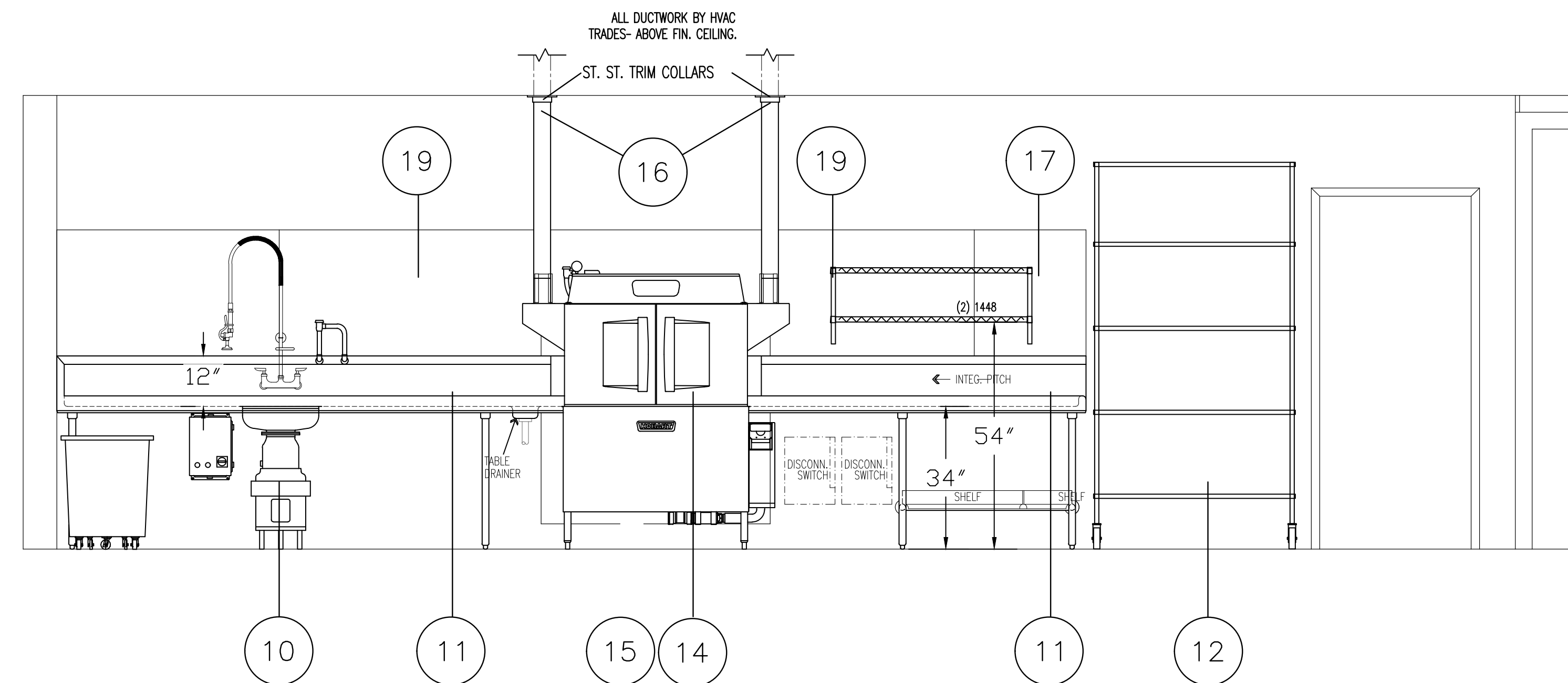
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SCALE 1/2"=1'-0"



**ELEVATION NO. 5**  
SCALE 1/2"=1'-0"



**ELEVATION NO. 6**  
SCALE 1/2"=1'-0"



**ELEVATION NO. 7**  
SCALE 1/2"=1'-0"

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**New Smith  
 Middle School**

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Food Service Equipment  
 Elevation and Section  
 Details**

KEY PLAN

ISSUE DATES

06-18-2024 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

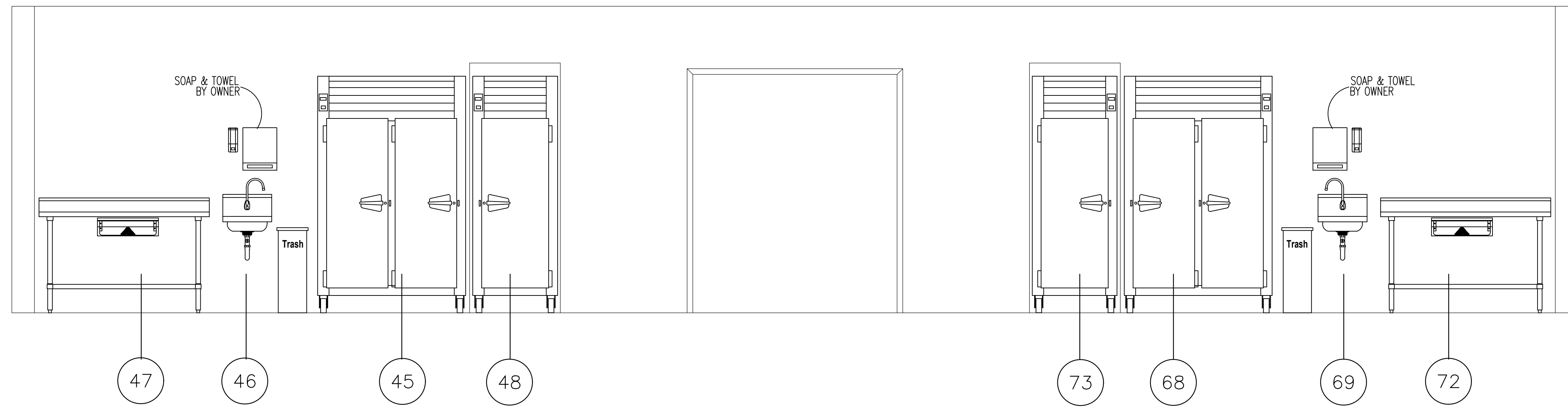
DRAWN: RSW

CHECKED: ...

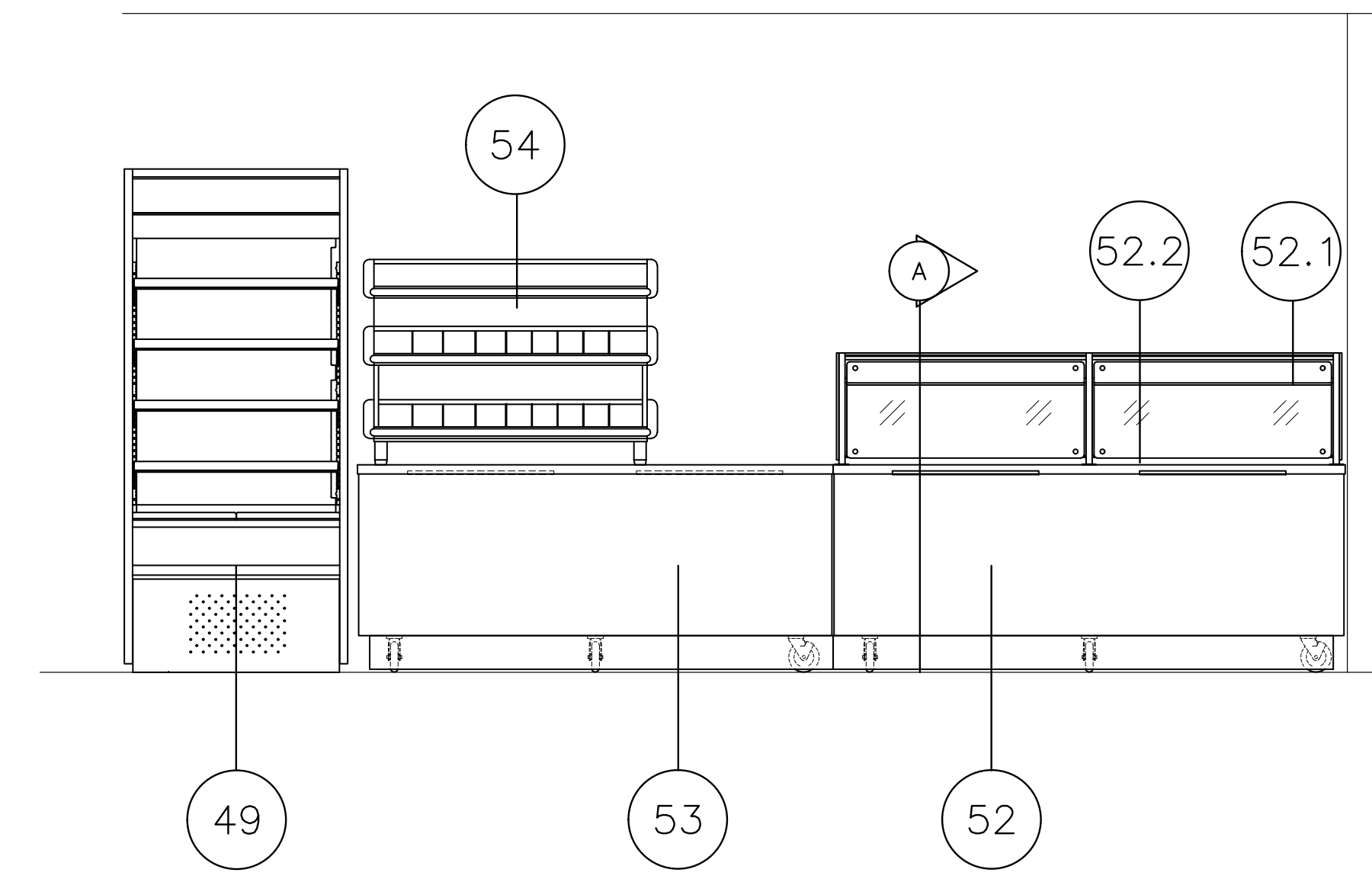
APPROVED

PROJECT NO.  
**22102**

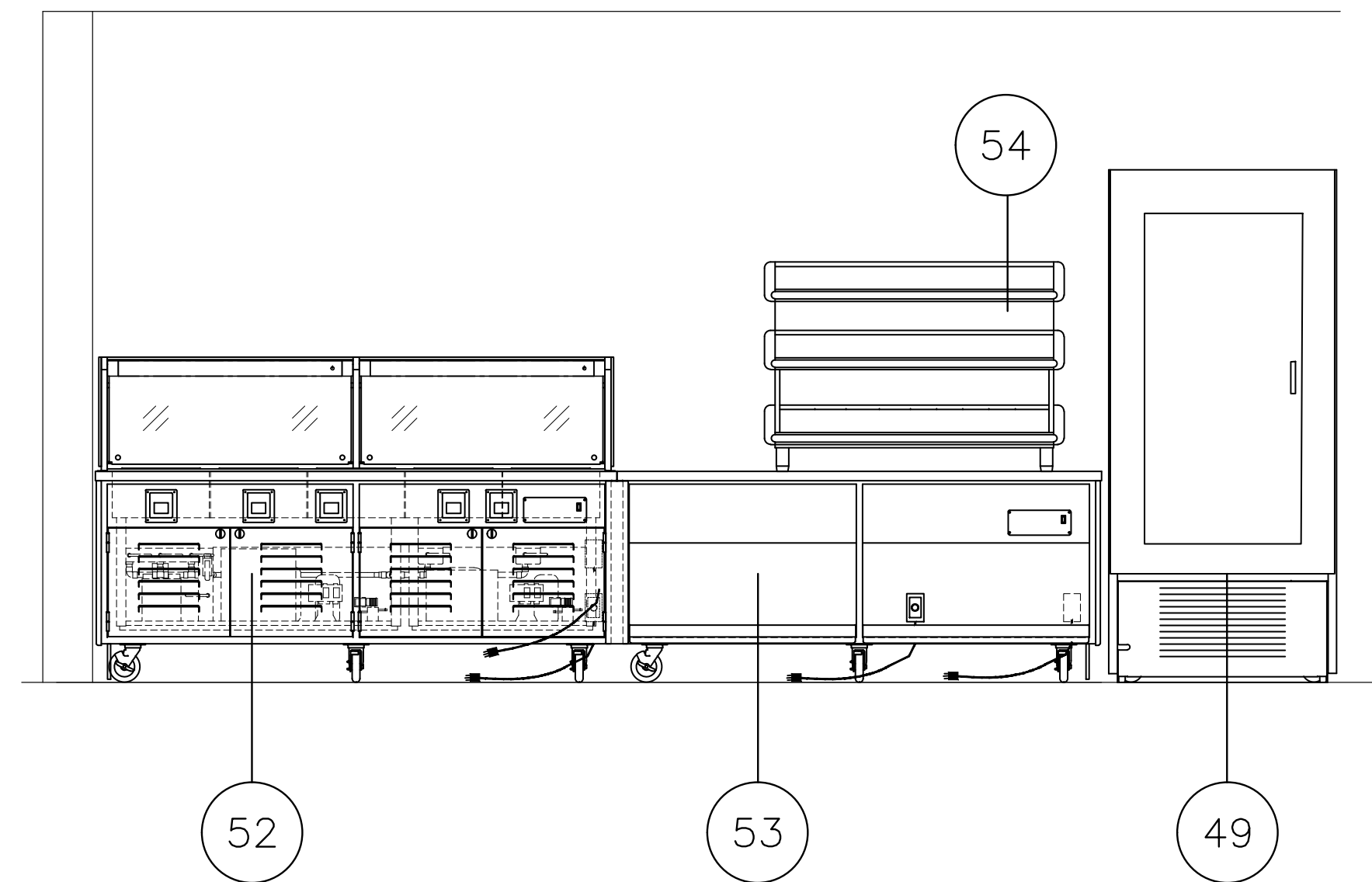
DRAWING NO.  
**FSE.12**



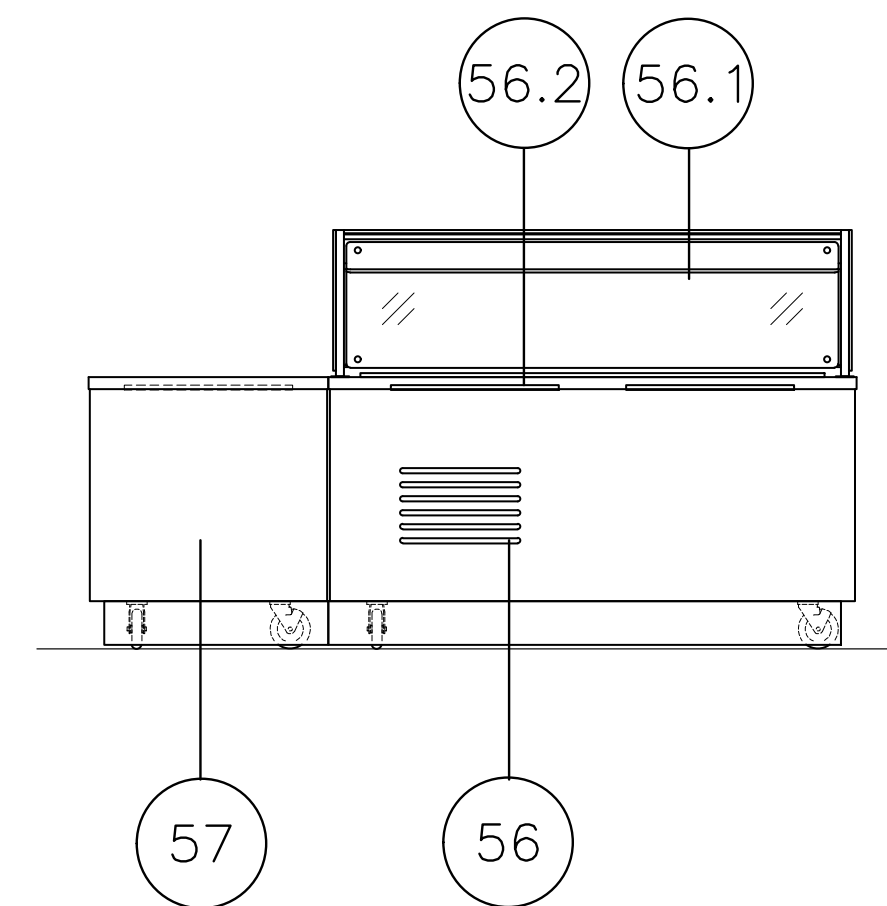
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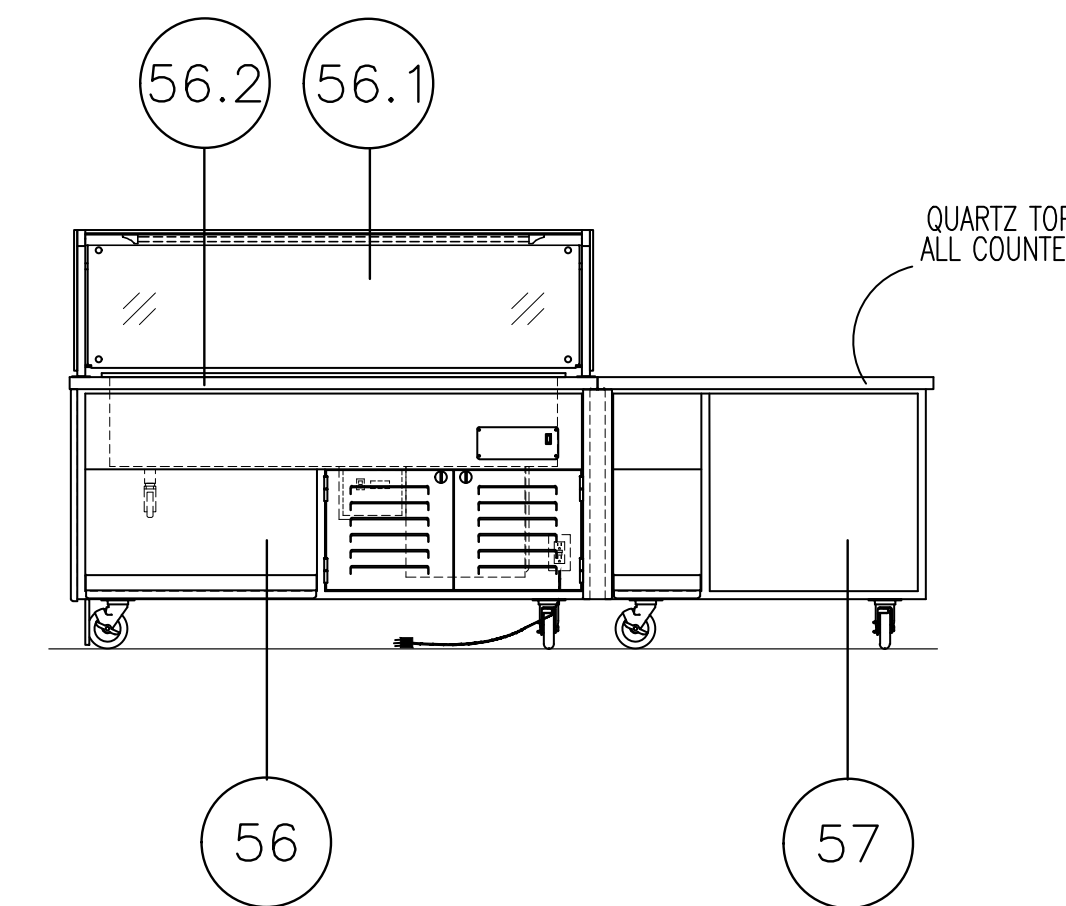
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 SCALE 1/2"=1'-0"



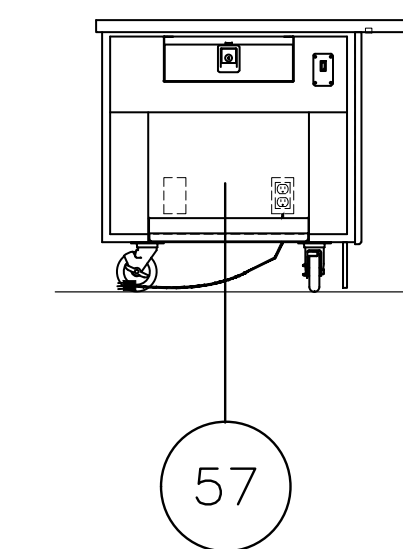
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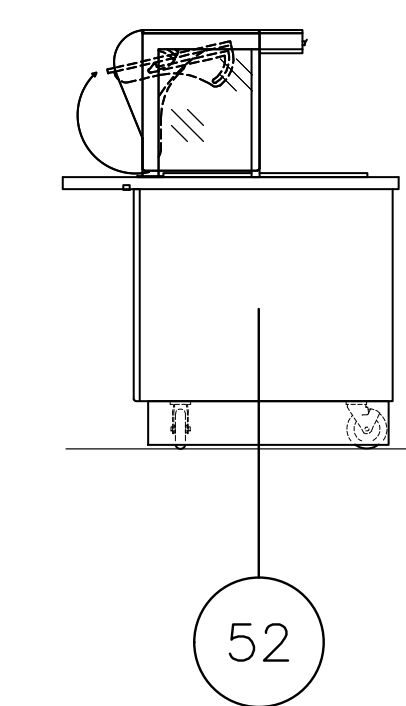
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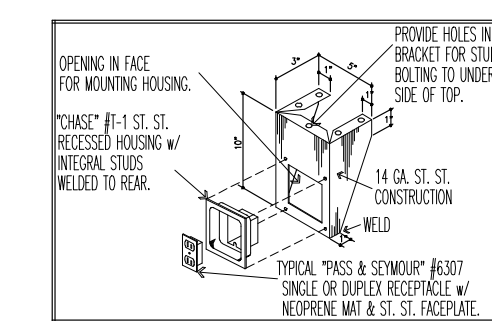
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 SCALE 1/2"=1'-0"



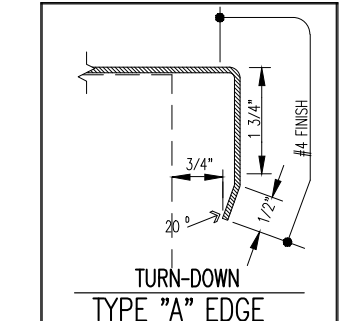
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 SCALE 1/2"=1'-0"



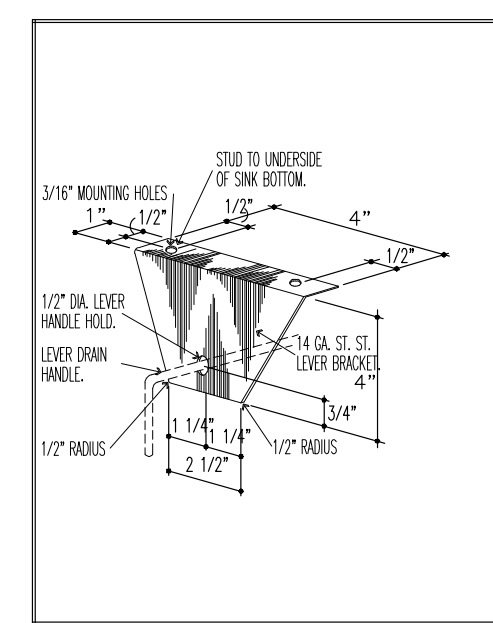
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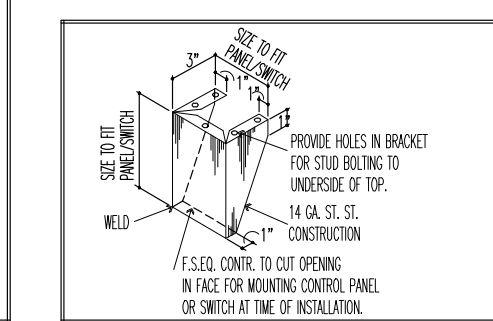
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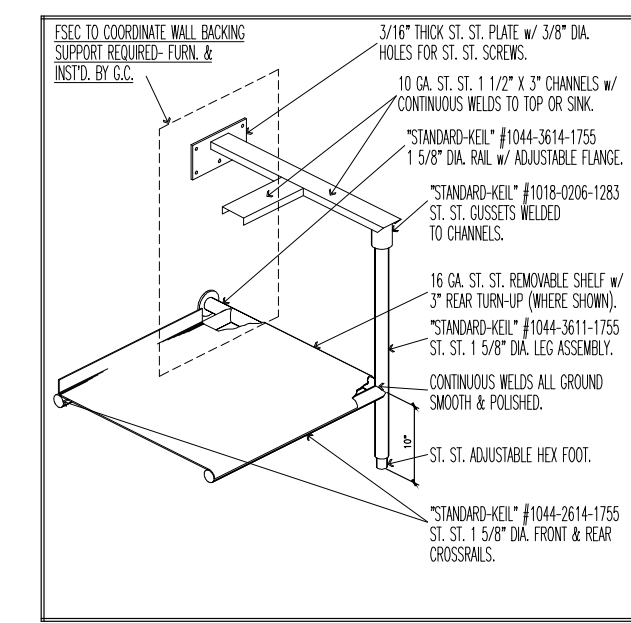
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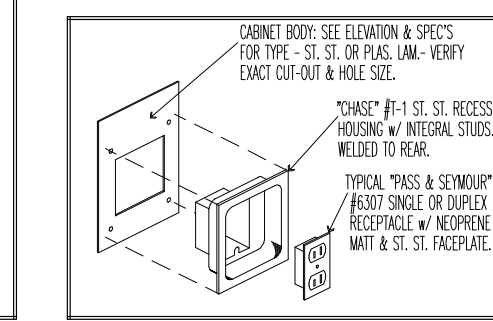
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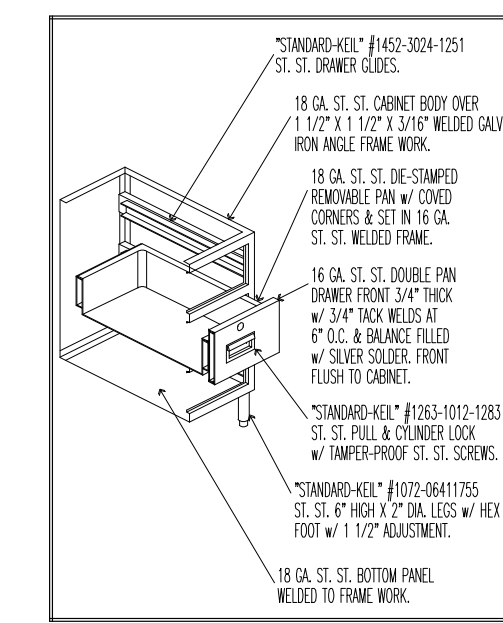
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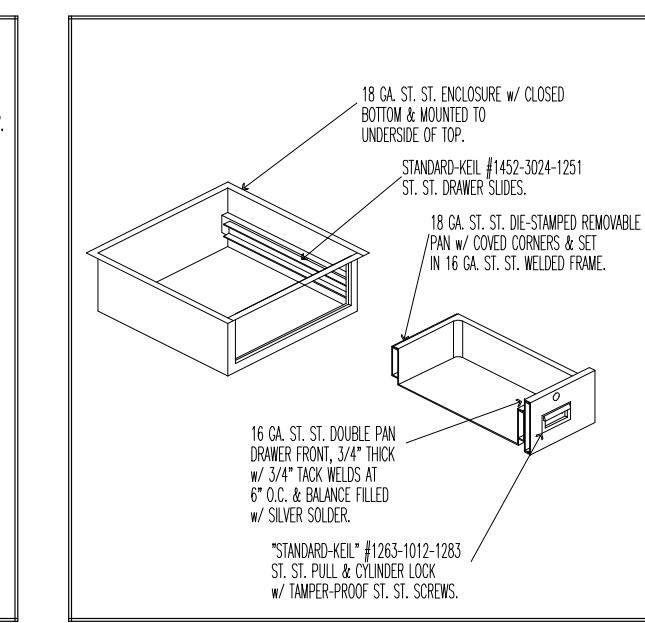
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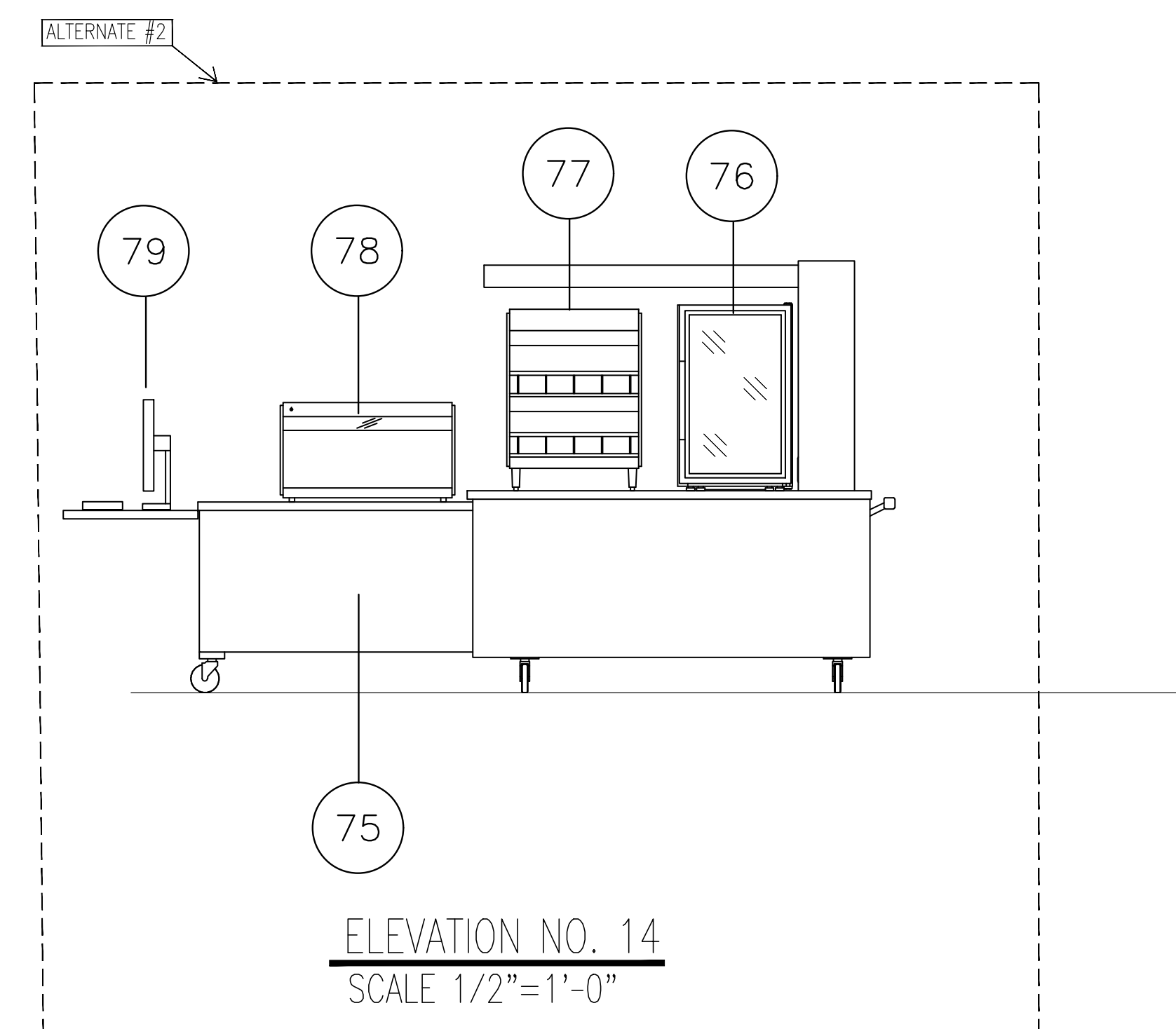
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**TIER OF THREE  
 DRAWERS DETAIL**  
 NO SCALE



**SINGLE DRAWER DETAIL**  
 NO SCALE



**ELEVATION NO. 14**  
 SCALE 1/2"=1'-0"



REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**New Smith  
 Middle School**

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Food Service Equipment  
 Layout & Schedule**

Life Skills & Special Ed

KEY PLAN

ISSUE DATES

06-18-2024 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN: RSW

CHECKED: ...

APPROVED

PROJECT NO.

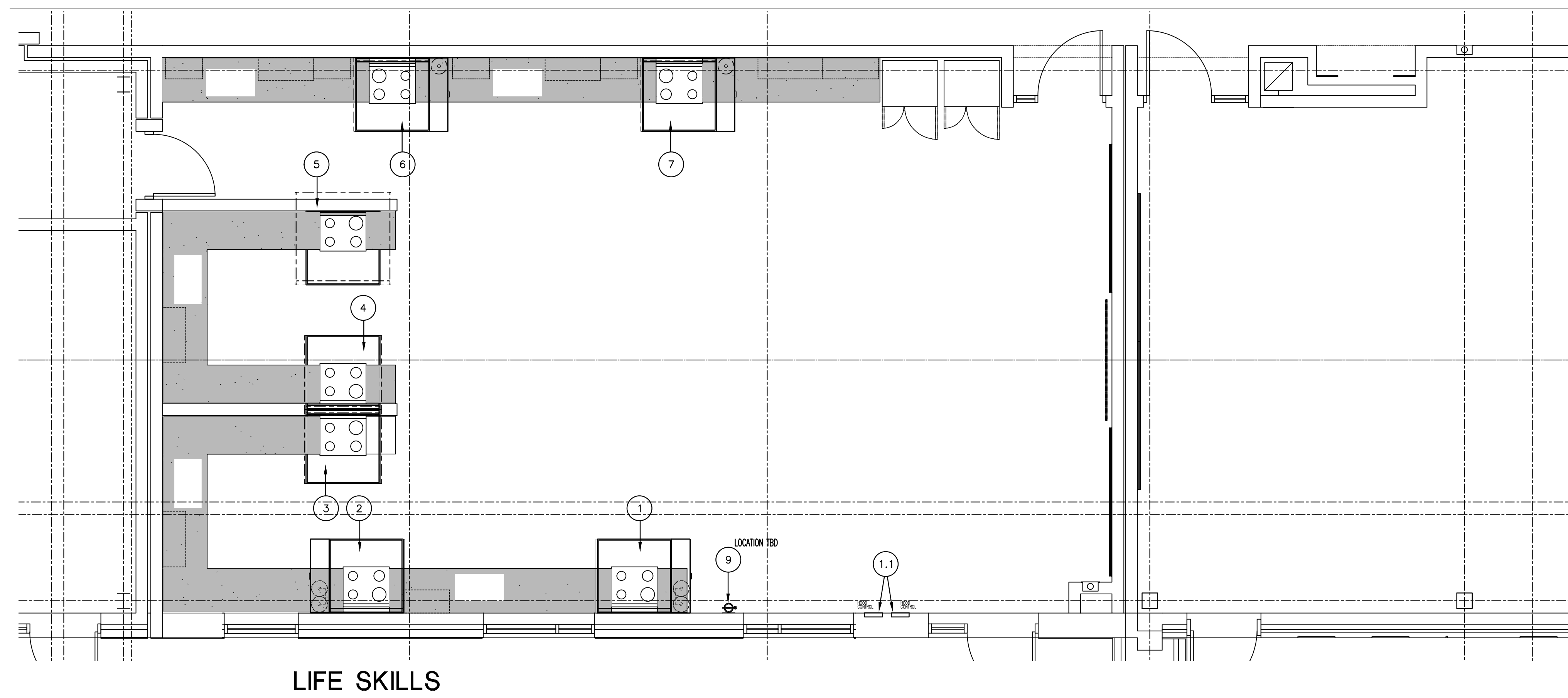
**22102**

DRAWING NO.

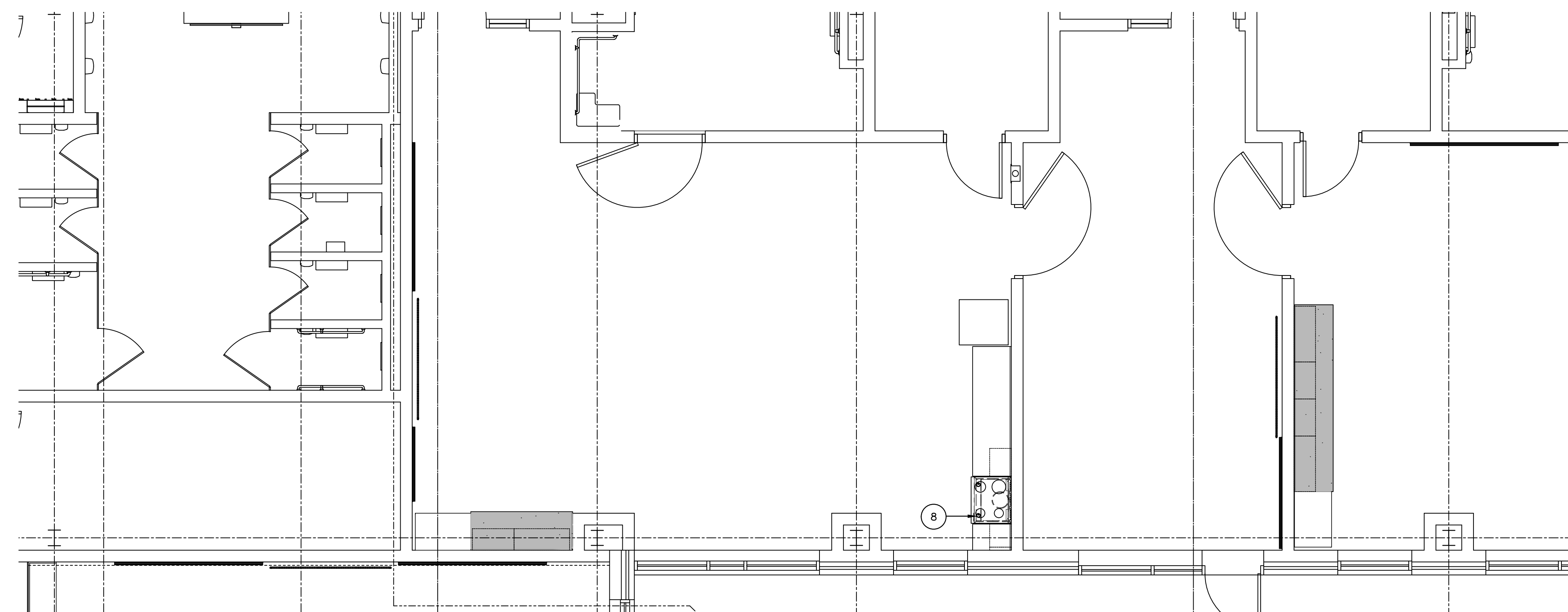
**FSE.13**

FOOD SERVICE EQUIPMENT SCHEDULE

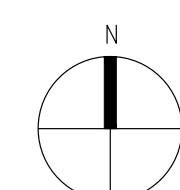
ITEM NO	QTY	EQUIPMENT CATEGORY	MANUFACTURER	MODEL NUMBER	EQUIPMENT REMARKS	AMPS	KW	HP	VOLTS	PHASE	DIRECT	PLUG	NEMA	ELECTRICAL AFF (IN)	ELEC REMARKS	COLD WATER SIZE (IN)	COLD WATER AFF (IN)	HOT WATER SIZE (IN)	HOT WATER AFF (IN)	HOT WATER GPH	DIRECT DRAIN SIZE (IN)	DIRECT DRAIN AFF (IN)	INDIR DRAIN SIZE (IN)	GAS SIZE (IN)	MBTUH	GAS AFF (IN)	PLUMBING REMARKS
1	1	ST. ST. EXHAUST HOOD W/ CABINET & FIRE SYSTEM	CAPTIVEAIRE	4824 ND-2	INSULATED REAR & SIDES	15.0			120	1	X			DFA													
1.1	2	EXHAUST HOOD CONTROL	CAPTIVEAIRE	-										48	CAT6 FROM HOODS 1 & 7												
1.2	2	FIRE SYSTEM REMOTE PULL STATIONS	CAPTIVEAIRE											48													
2	1	ST. ST. EXHAUST HOOD W/ CABINET & FIRE SYSTEM	CAPTIVEAIRE	4824 ND-2	INSULATED REAR & SIDES									DFA	ELECTRICAL TRADE TO INTER-CONNECT LIGHTS												
3	1	ST. ST. EXHAUST HOOD	CAPTIVEAIRE	4824 ND-2	INSULATED REAR & SIDES									DFA	ELECTRICAL TRADE TO INTER-CONNECT LIGHTS												
4	1	ST. ST. EXHAUST HOOD	CAPTIVEAIRE	4824 ND-2	INSULATED REAR & SIDES									DFA	ELECTRICAL TRADE TO INTER-CONNECT LIGHTS												
5	1	ST. ST. ISLAND EXHAUST HOOD	CAPTIVEAIRE	6024 ND-2WI	INSULATED REAR & SIDES									DFA	ELECTRICAL TRADE TO INTER-CONNECT LIGHTS												
6	1	ST. ST. EXHAUST HOOD W/ CABINET & FIRE SYSTEM	CAPTIVEAIRE	4824 ND-2	INSULATED REAR & SIDES									DFA	ELECTRICAL TRADE TO INTER-CONNECT LIGHTS												
7	1	ST. ST. EXHAUST HOOD W/ CABINET & FIRE SYSTEM	CAPTIVEAIRE	4824 ND-2	INSULATED REAR & SIDES	15.0			120	1	X			DFA	ELECTRICAL TRADE TO INTER-CONNECT LIGHTS												
8	1	30" ST. ST. HOOD W/ FIRE SYSTEM	CAPTIVEAIRE	2424 WRH	INSULATED REAR & SIDES	15.0			120	1	X			DFA	ELECTRICAL TRADE TO INTER-CONNECT LIGHTS	.5	DFA										SEE DETAIL SHEET
8.1	1	FIRE SYSTEM REMOTE PULL STATION	CAPTIVEAIRE																								
9	1	FIRE EXTINGUISHER	CAPTIVEAIRE	K-TYPE	VERIFY MOUNTING LOCATION																						



LIFE SKILLS



SPECIAL ED



FOOD SERVICE EQUIPMENT LAYOUT & SCHEDULE

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

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**New Smith Middle School**

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Food Service Equipment Electrical Rough-in**

Life Skills & Special Ed

KEY PLAN

ISSUE DATES

06-18-2024 CONSTRUCTION DOCUMENTS

DATE ISSUED FOR:

DRAWN RSW

CHECKED ...

APPROVED

PROJECT NO.

**22102**

DRAWING NO.

**FSE.14**

FOOD SERVICE EQUIPMENT SCHEDULE

ITEM NO	QTY	EQUIPMENT CATEGORY	MANUFACTURER	MODEL NUMBER	EQUIPMENT REMARKS	AMPS	KW	HP	VOLTS	PHASE	DIRECT	PLUG	NEMA	ELECTRICAL AFF (IN)	ELEC REMARKS	COLD WATER SIZE (IN)	COLD WATER AFF (IN)	HOT WATER SIZE (IN)	HOT WATER AFF (IN)	DIRECT DRAIN SIZE (IN)	DIRECT DRAIN AFF (IN)	INDIR DRAIN SIZE (IN)	GAS SIZE (IN)	MBTUH	GAS AFF (IN)	PLUMBING REMARKS
1	1	ST. ST. EXHAUST HOOD W/ CABINET & FIRE SYSTEM	CAPTIVEAIRE	4824 ND-2	INSULATED REAR & SIDES	15.0			120	1	X			DFA												
1.1	2	EXHAUST HOOD CONTROL	CAPTIVEAIRE	-										48	CAT6 FROM HOODS 1 & 7											
1.2	2	FIRE SYSTEM REMOTE PULL STATIONS	CAPTIVEAIRE											48												
2	1	ST. ST. EXHAUST HOOD W/ CABINET & FIRE SYSTEM	CAPTIVEAIRE	4824 ND-2	INSULATED REAR & SIDES									DFA	ELECTRICAL TRADE TO INTER-CONNECT LIGHTS											
3	1	ST. ST. EXHAUST HOOD	CAPTIVEAIRE	4824 ND-2	INSULATED REAR & SIDES									DFA	ELECTRICAL TRADE TO INTER-CONNECT LIGHTS											
4	1	ST. ST. EXHAUST HOOD	CAPTIVEAIRE	4824 ND-2	INSULATED REAR & SIDES									DFA	ELECTRICAL TRADE TO INTER-CONNECT LIGHTS											
5	1	ST. ST. ISLAND EXHAUST HOOD	CAPTIVEAIRE	6024 ND-2WI	INSULATED REAR & SIDES									DFA	ELECTRICAL TRADE TO INTER-CONNECT LIGHTS											
6	1	ST. ST. EXHAUST HOOD W/ CABINET & FIRE SYSTEM	CAPTIVEAIRE	4824 ND-2	INSULATED REAR & SIDES									DFA	ELECTRICAL TRADE TO INTER-CONNECT LIGHTS											
7	1	ST. ST. EXHAUST HOOD W/ CABINET & FIRE SYSTEM	CAPTIVEAIRE	4824 ND-2	INSULATED REAR & SIDES	15.0			120	1	X			DFA	ELECTRICAL TRADE TO INTER-CONNECT LIGHTS											
8	1	30" ST. ST. HOOD W/ FIRE SYSTEM	CAPTIVEAIRE	2424 WRH	INSULATED REAR & SIDES	15.0			120	1	X			DFA	ELECTRICAL TRADE TO INTER-CONNECT LIGHTS	.5	DFA									SEE DETAIL SHEET
8.1	1	FIRE SYSTEM REMOTE PULL STATION	CAPTIVEAIRE																							
9	1	FIRE EXTINGUISHER	CAPTIVEAIRE	K-TYPE	VERIFY MOUNTING LOCATION																					

GENERAL NOTES FOR ROUGH-IN PLAN

THIS PLAN IS TO BE USED FOR BIDDING PURPOSES ONLY & MUST BE REDRAWN BY FOOD SERVICE EQUIP. CONTR. USING ARCHITECTS FINAL WORKING DRAWINGS (ARCH., ELECT., PLUMB. & VENT.). F.S.EQ. CONTR. SHALL FURNISH FULLY DIMENSIONED ROUGH-IN PLAN FOR ELECTRICAL, PLUMBING, VENTILATION, DEPRESSION & WALL OPENINGS WITHIN 90 DAYS AFTER AWARD OF CONTRACT. PLANS ARE TO BE REDRAWN & NOT TRACED-OFF OF ORIGINAL DRAWINGS.

FOOD SERVICE EQUIP. CONTR. IS TO ASSIST ELECTRICAL TRADES DURING PERIOD WHILE FINAL ROUGH-IN CONNECTIONS ARE BEING MADE. F.S.EQ. CONTR. SHALL FURNISH ALL NECESSARY WIRING DETAILS AS REQUIRED. F.S.EQ. CONTR. ALSO TO HAVE FIELD SUPERVISOR ON JOBSITE AT TIME OF FINAL CONN.'S.

FOOD SERVICE EQUIP. CONTR. SHALL CONTACT ELECTRICAL ENGINEER BEFORE DRAWING ROUGH-PLAN TO VERIFY EXACT VOLTAGES AVAILABLE ON JOBSITE. THIS CHECK MUST BE MADE TO INSURE PROPER VOLTAGES TO ALL EQUIPMENT.

NOTE...

ALL ADDITIONAL RECEPTACLES, CONN.'S, WIRING, ETC., TO BE SHOWN BY ELECT. ENGINEER.

ALL 120V DUPLEX RECEPTACLES WITHIN KITCHEN AREAS & WITHIN 72" OF A SINK MUST BE GFCI PROTECTED BY ELECT. TRADES.

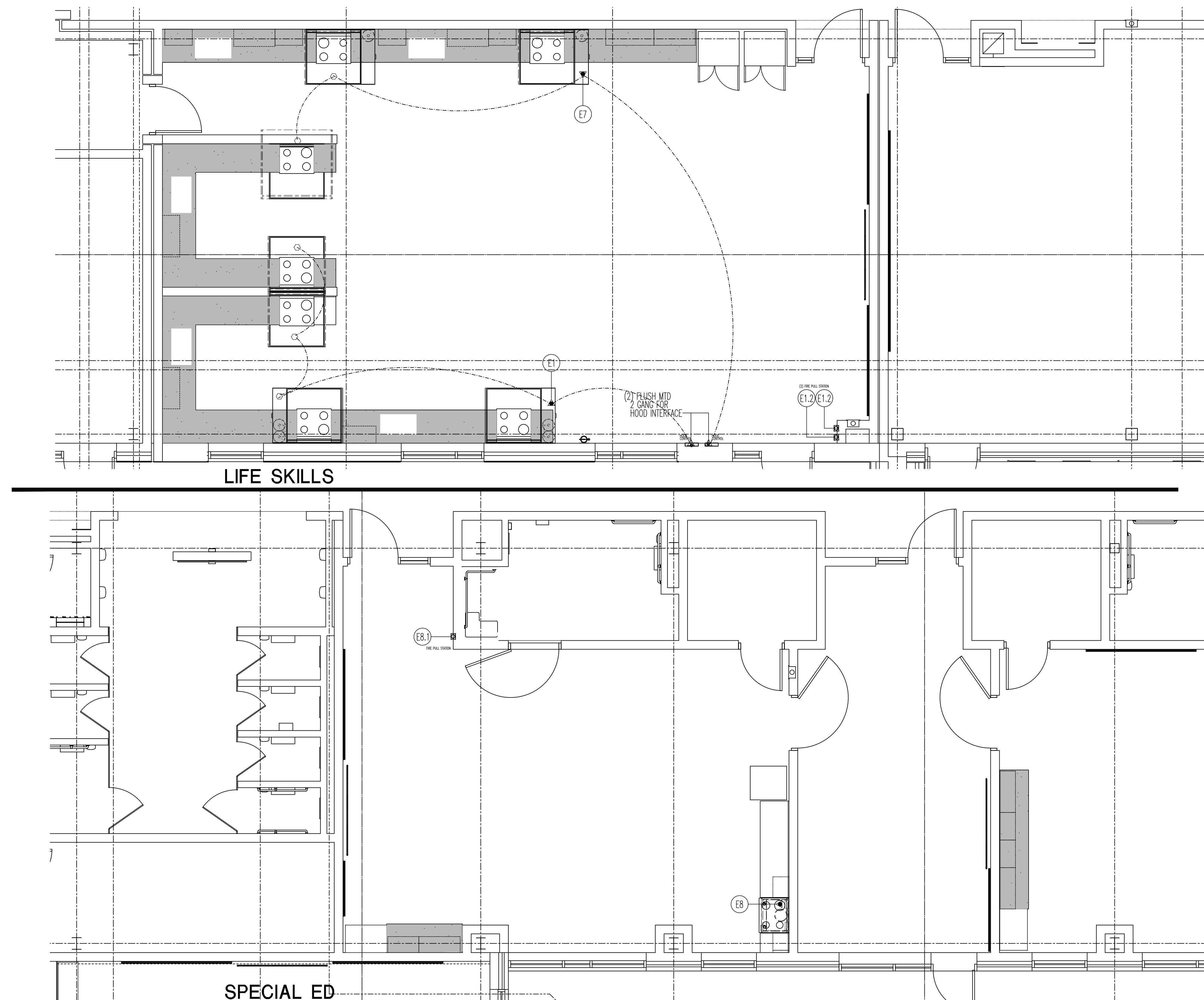
ELECT. TRADES TO FURN. & INSTALL ALL LINE DISCONNECT SWITCHES AS REQUIRED TO MEET STATE & LOCAL CODES.

ELECTRICAL ROUGH-IN CODE

- J.B. JUNCTION BOX
- Electrical Conduit Connection
- H.P. HORSEPOWER
- KW. KILOWATT
- W. WATT
- V. VOLT
- 1ph. SINGLE PHASE
- 3ph. THREE PHASE
- ⏏ DUPLEX RECEPTACLE
- ⏏ SINGLE RECEPTACLE
- ⏏ DUPLEX FLOOR RECEPTACLE
- ⏏ SINGLE FLOOR RECEPTACLE
- ⏏ FUSED DISCONNECT SWITCH
- ⏏ SWITCH
- A.F.F. ABOVE FINISH FLOOR

GENERAL NOTE FOR ROUGH-IN PLAN

ALL SERVICES SHOWN WITH SYMBOLS CENTERED ON WALL SHOULD BE BROUGHT TO THAT POINT CONCEALED IN WALL & STUBBED-OUT AT HEIGHT SHOWN ON THIS PLAN OR F.S.EQ. CONTR.'S FINAL DIMENSIONED ROUGH-IN PLAN. DO NOT STUB OUT OF FLOOR & RUN EXPOSED ON WALL.



FOOD SERVICE EQUIPMENT ELECTRICAL ROUGH-IN  
 SCALE: 1/4" = 1'-0"

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**New Smith  
 Middle School**

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Food Service Equipment  
 Ventilation**

Life Skills & Special Ed

KEY PLAN

ISSUE DATES

06-18-2024 CONSTRUCTION DOCUMENTS

DATE: ISSUED FOR:

DRAWN: RSW

CHECKED: ...

APPROVED:

PROJECT NO.

**22102**

DRAWING NO.

**FSE.15**

FOOD SERVICE EQUIPMENT SCHEDULE

ITEM NO	QTY	EQUIPMENT CATEGORY	MANUFACTURER	MODEL NUMBER	EQUIPMENT REMARKS	AMPS	KW	HP	VOLTS	PHASE	DIRECT	PLUG	NEMA	ELECTRICAL AFF (IN)	ELEC REMARKS	COLD WATER SIZE (IN)	COLD WATER AFF (IN)	HOT WATER SIZE (IN)	HOT WATER AFF (IN)	DIRECT DRAIN SIZE (IN)	DIRECT DRAIN AFF (IN)	INDIR DRAIN SIZE (IN)	GAS SIZE (IN)	MBTUH	GAS AFF (IN)	PLUMBING REMARKS
1	1	ST. ST. EXHAUST HOOD W/ CABINET & FIRE SYSTEM	CAPTIVEAIRE	4824 ND-2	INSULATED REAR & SIDES	15.0			120	1	X			DFA												
1.1	2	EXHAUST HOOD CONTROL	CAPTIVEAIRE	-										48	CAT6 FROM HOODS 1 & 7											
1.2	2	FIRE SYSTEM REMOTE PULL STATIONS	CAPTIVEAIRE											48												
2	1	ST. ST. EXHAUST HOOD W/ CABINET & FIRE SYSTEM	CAPTIVEAIRE	4824 ND-2	INSULATED REAR & SIDES									DFA	ELECTRICAL TRADE TO INTER-CONNECT LIGHTS											
3	1	ST. ST. EXHAUST HOOD	CAPTIVEAIRE	4824 ND-2	INSULATED REAR & SIDES									DFA	ELECTRICAL TRADE TO INTER-CONNECT LIGHTS											
4	1	ST. ST. EXHAUST HOOD	CAPTIVEAIRE	4824 ND-2	INSULATED REAR & SIDES									DFA	ELECTRICAL TRADE TO INTER-CONNECT LIGHTS											
5	1	ST. ST. ISLAND EXHAUST HOOD	CAPTIVEAIRE	6024 ND-2WI	INSULATED REAR & SIDES									DFA	ELECTRICAL TRADE TO INTER-CONNECT LIGHTS											
6	1	ST. ST. EXHAUST HOOD W/ CABINET & FIRE SYSTEM	CAPTIVEAIRE	4824 ND-2	INSULATED REAR & SIDES									DFA	ELECTRICAL TRADE TO INTER-CONNECT LIGHTS											
7	1	ST. ST. EXHAUST HOOD W/ CABINET & FIRE SYSTEM	CAPTIVEAIRE	4824 ND-2	INSULATED REAR & SIDES	15.0			120	1	X			DFA	ELECTRICAL TRADE TO INTER-CONNECT LIGHTS											
8	1	30" ST. ST. HOOD W/ FIRE SYSTEM	CAPTIVEAIRE	2424 WRH	INSULATED REAR & SIDES	15.0			120	1	X			DFA	ELECTRICAL TRADE TO INTER-CONNECT LIGHTS	.5	DFA								SEE DETAIL SHEET	
8.1	1	FIRE SYSTEM REMOTE PULL STATION	CAPTIVEAIRE																							
9	1	FIRE EXTINGUISHER	CAPTIVEAIRE	K-TYPE	VERIFY MOUNTING LOCATION																					

ARCHITECTURAL NOTES

A1 HANGER CHANNELS FURN. & INST'D BY ARCH. TRADES- SECURED TO BUILDING STRUCTURAL TO SUPPORT EXHAUST HOOD (WEIGHT AS SHOWN). F.S.E.C. TO VERIFY ALL SIZES & LOCATIONS.

VENTILATION NOTES

- V1 8" DIA. ROUND EXHAUST DUCT- 700 CFM @ -0.507" S.P. AT DUCT COLLAR. NOTE... DUCTWORK STATIC MUST BE ADDED. SEE DETAIL DRAWINGS INCLUDED WITH THESE DOCUMENTS
- V2 8" DIA. ROUND EXHAUST DUCT- 700 CFM @ -0.507" S.P. AT DUCT COLLAR. NOTE... DUCTWORK STATIC MUST BE ADDED. SEE DETAIL DRAWINGS INCLUDED WITH THESE DOCUMENTS
- V3 8" DIA. ROUND EXHAUST DUCT- 700 CFM @ -0.507" S.P. AT DUCT COLLAR. NOTE... DUCTWORK STATIC MUST BE ADDED. SEE DETAIL DRAWINGS INCLUDED WITH THESE DOCUMENTS
- V4 8" DIA. ROUND EXHAUST DUCT- 700 CFM @ -0.507" S.P. AT DUCT COLLAR. NOTE... DUCTWORK STATIC MUST BE ADDED. SEE DETAIL DRAWINGS INCLUDED WITH THESE DOCUMENTS
- V5 14 DIA. ROUND EXHAUST DUCT- 1345 CFM @ -0.551" S.P. AT DUCT COLLAR. NOTE... DUCTWORK STATIC MUST BE ADDED. SEE DETAIL DRAWINGS INCLUDED WITH THESE DOCUMENTS
- V6 8" DIA. ROUND EXHAUST DUCT- 700 CFM @ -0.507" S.P. AT DUCT COLLAR. NOTE... DUCTWORK STATIC MUST BE ADDED. SEE DETAIL DRAWINGS INCLUDED WITH THESE DOCUMENTS
- V7 8" DIA. ROUND EXHAUST DUCT- 700 CFM @ -0.507" S.P. AT DUCT COLLAR. NOTE... DUCTWORK STATIC MUST BE ADDED. SEE DETAIL DRAWINGS INCLUDED WITH THESE DOCUMENTS
- V8 10" DIA. ROUND EXHAUST DUCT- 300 CFM @ -0.094" S.P. AT DUCT COLLAR. NOTE... DUCTWORK STATIC MUST BE ADDED. SEE DETAIL DRAWINGS INCLUDED WITH THESE DOCUMENTS

GENERAL NOTES FOR ROUGH-IN PLAN

THIS PLAN IS TO BE USED FOR BIDDING PURPOSES ONLY & MUST BE REDRAWN BY FOOD SERVICE EQUIP. CONTR. USING ARCHITECTS FINAL WORKING DRAWINGS (ARCH., ELEC., PLUMB. & VENT.). F.S.E.C. CONTR. SHALL FURNISH FULLY DIMENSIONED ROUGH-IN PLAN FOR ELECTRICAL, PLUMBING, VENTILATION, DEPRESSION & WALL OPENINGS WITHIN 30 DAYS AFTER AWARD OF CONTRACT. PLANS ARE TO BE REDRAWN & NOT TRACED-OFF OF ORIGINAL DRAWINGS.

ALL BUILDING AND/OR ROOM VENTILATION BY HVAC ENGINEER.

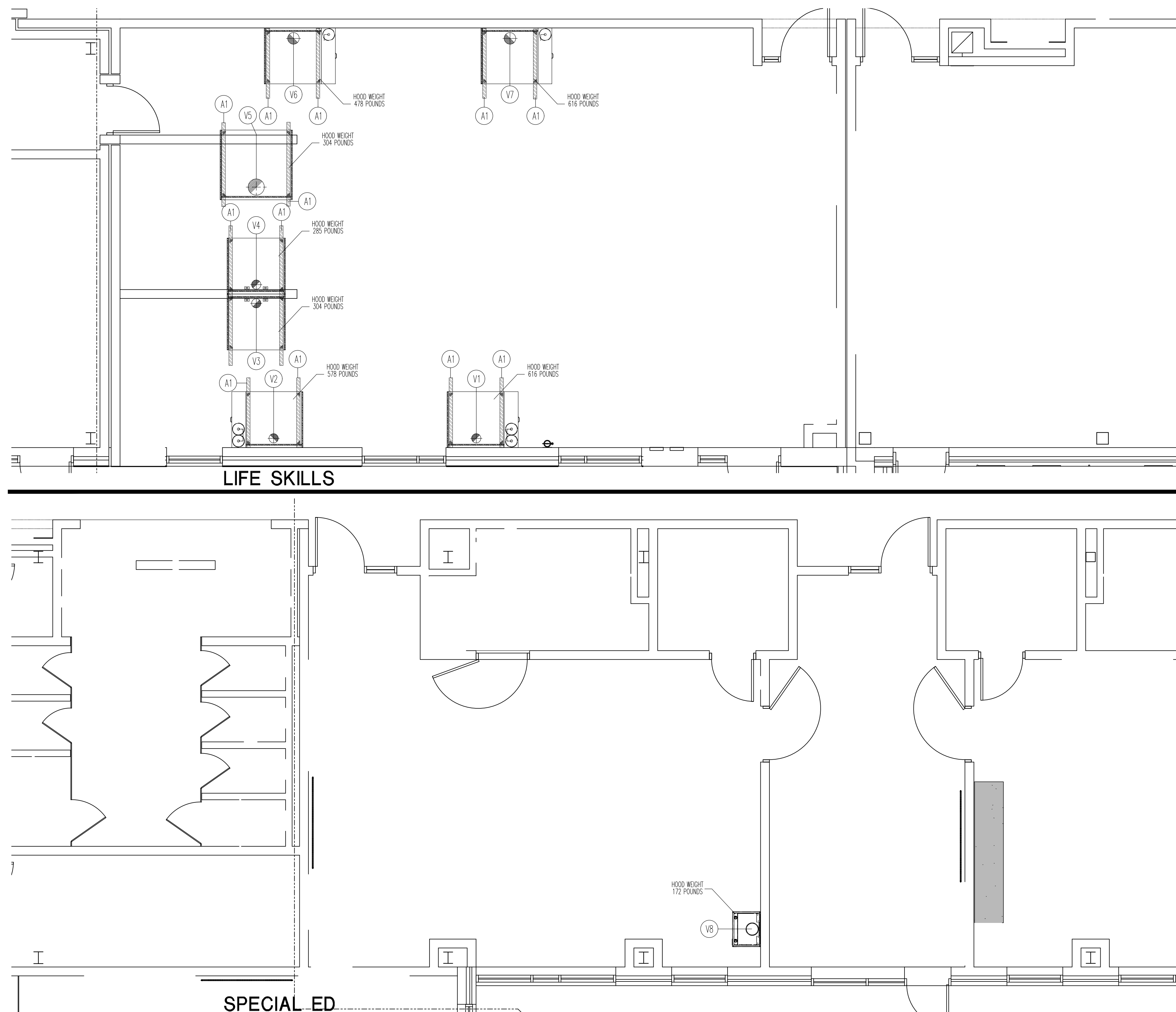
EXHAUST AIR QUANTITIES SHOWN ARE FOR COOKING EQUIPMENT EXHAUST HOODS ONLY. ADDITIONAL VENTILATION REQUIRED FOR KITCHEN AREAS TO BE ENGINEERED BY HVAC TRADES.

HVAC TRADES TO INTER-LOCK EXHAUST FANS W/ KITCHEN SUPPLY FANS.

HVAC ENGINEER TO WRITE HVAC SYSTEM SPEC FOR HVAC TRADES. TO CHECK & BALANCE KITCHEN VENTILATION. HVAC ENGINEER TO FILL-OUT & SUBMIT HEALTH DEPT. BALANCE REPORT. HVAC TRADES TO BE RESPONSIBLE FOR ADJUSTING AIR QUANTITIES TO EXACTLY AS SHOWN. HVAC TRADES TO BE A CERTIFIED TESTING CO.

VENTILATION ROUGH-IN CODE

D.F.A. DOWN FROM ABOVE  
 A.F.F. ABOVE FIN. FLOOR  
 B.T.C. BRANCH TO CONNECTION  
 HEATING/VENTILATING/  
 AIR-CONDITIONING TRADES  
 FSEC FOOD SERVICE EQUIPMENT  
 CONTRACTOR



FOOD SERVICE EQUIPMENT VENTILATION  
 SCALE: 1/4" = 1'-0"



REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**New Smith  
 Middle School**

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Food Service Equipment  
 Exhaust Hood & Fire  
 System Details**

Life Skills & Special Ed

KEY PLAN

ISSUE DATES

DATE: ISSUED FOR:

DRAWN RSW

CHECKED ...

APPROVED

PROJECT NO.

**22102**

DRAWING NO.

**FSE.17**

REVISIONS	
DESCRIPTION	DATE

**CAPTIVE**  
 Michigan Office  
 www.captive.com  
 4800 36th St SE, #203, Grand Rapids, MI 49512 PHONE: (616) 942-3881 FAX: 9192275984 EMAIL: info@captivemich.com

Smith Middle School Troy Life Skills  
 5835 Donaldson Road,  
 Troy, MI, 48065

DATE: 5/29/2024

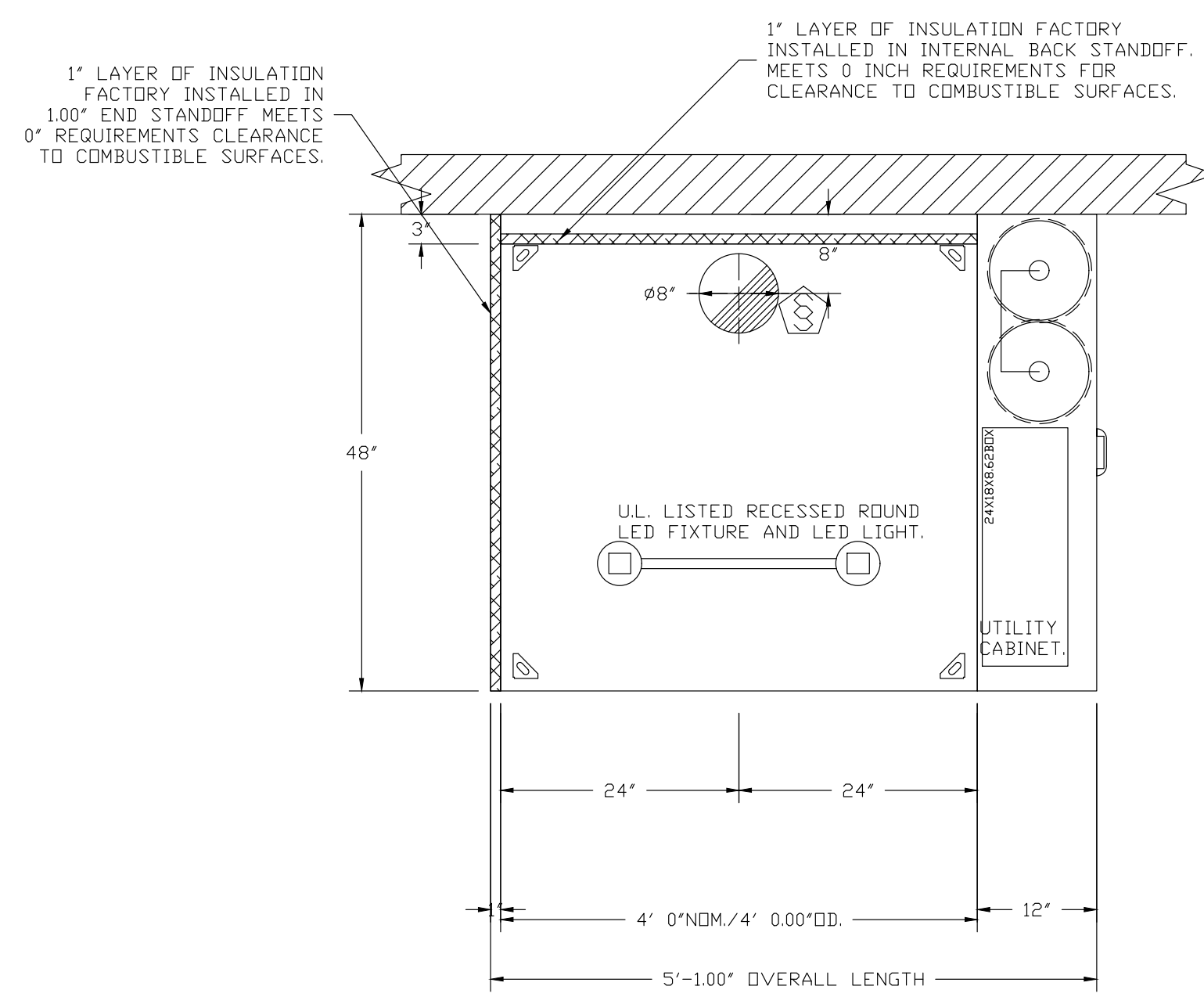
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DRAWN BY: RJF

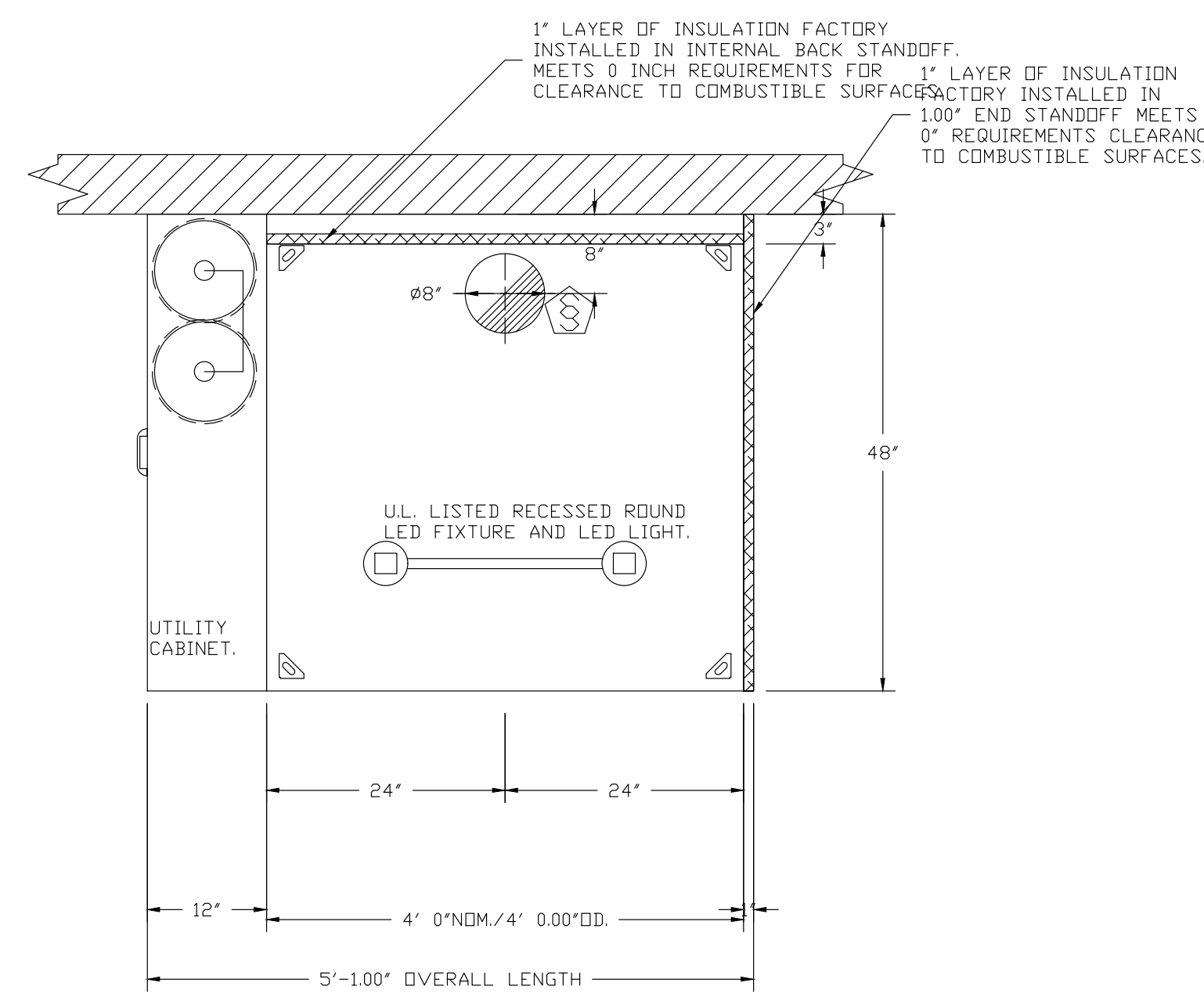
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MASTER DRAWING

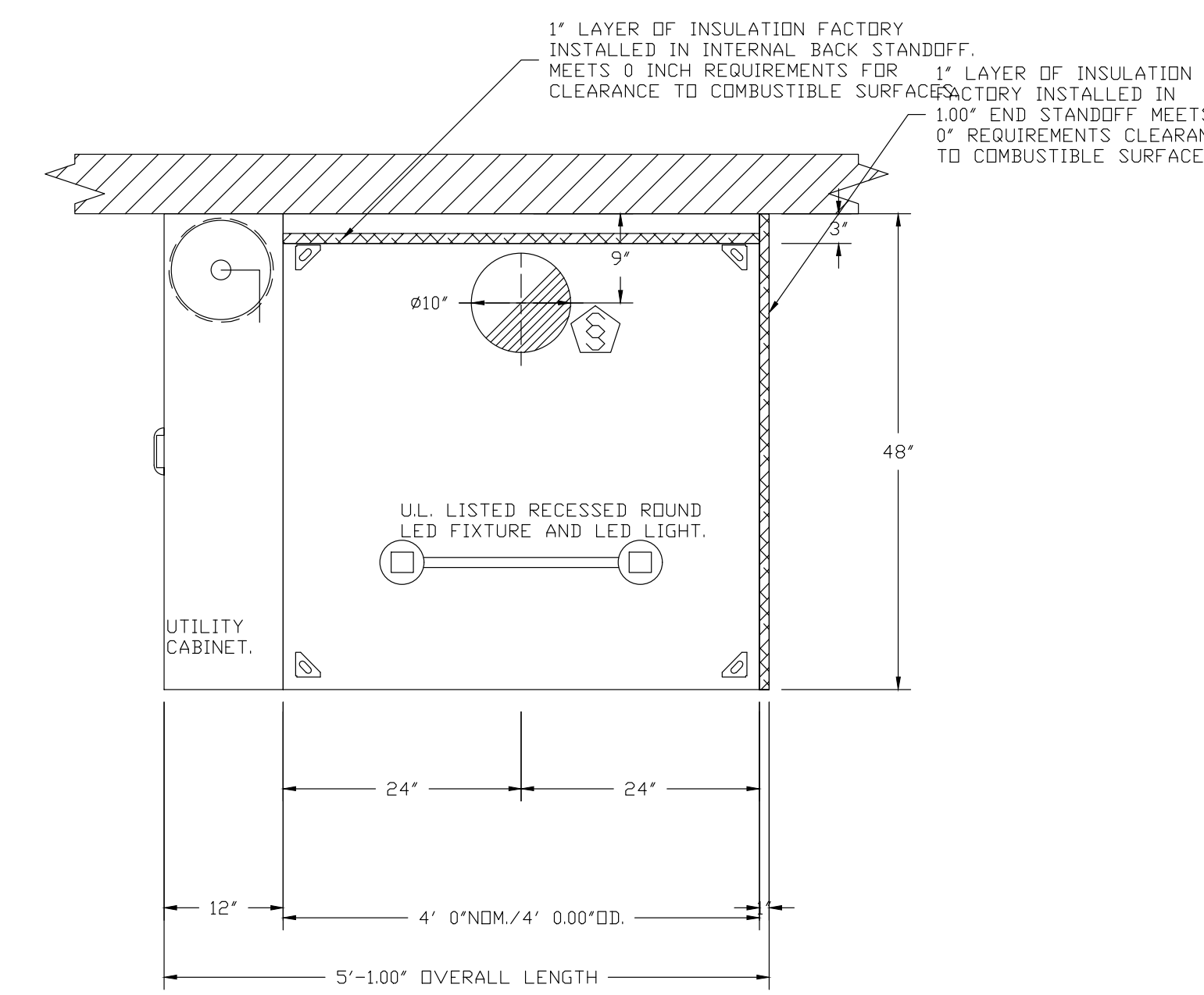
SHEET NO. 2



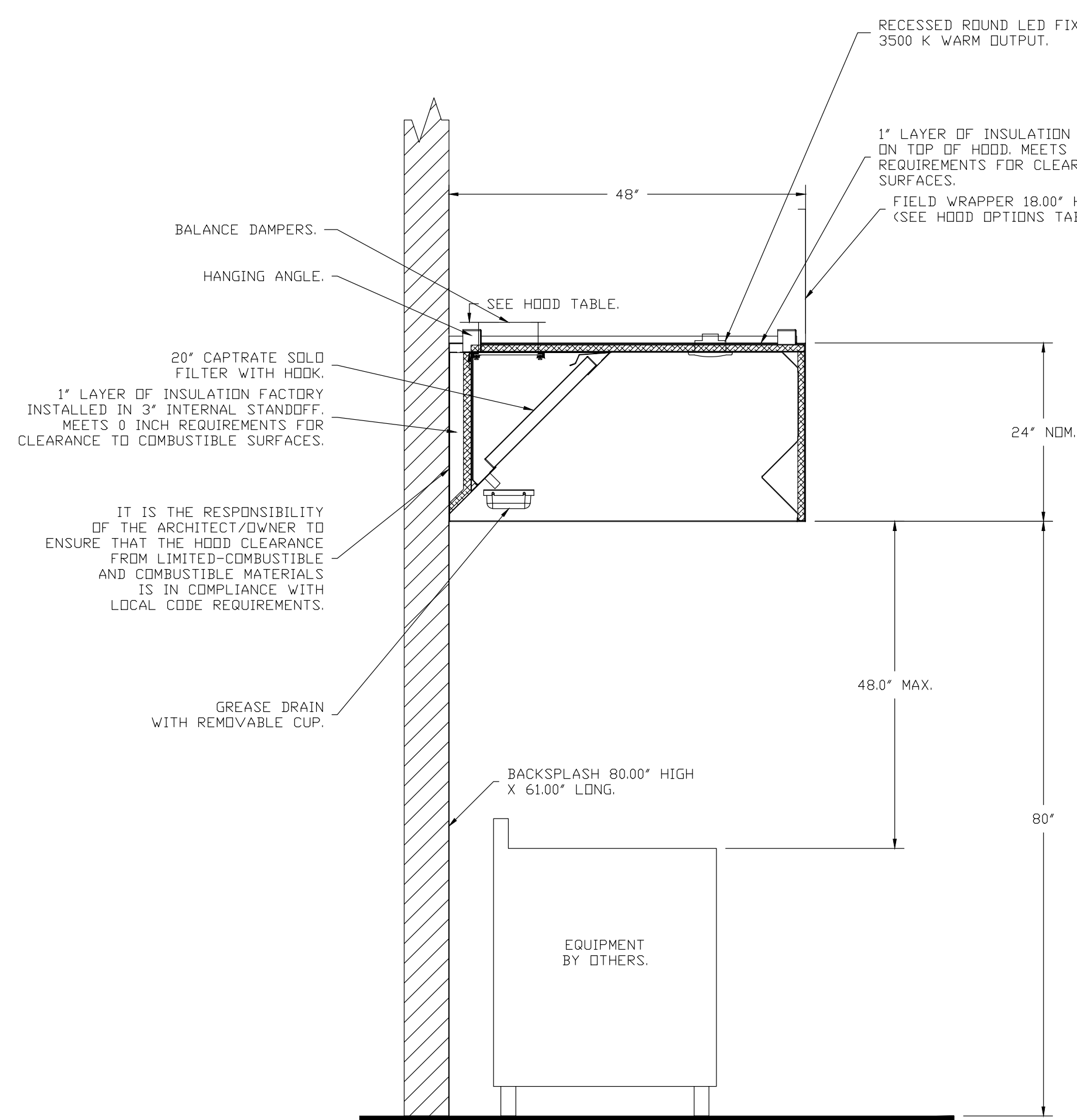
PLAN VIEW - HOOD #1 (1)  
 4' 0.00" LONG 4824ND-2



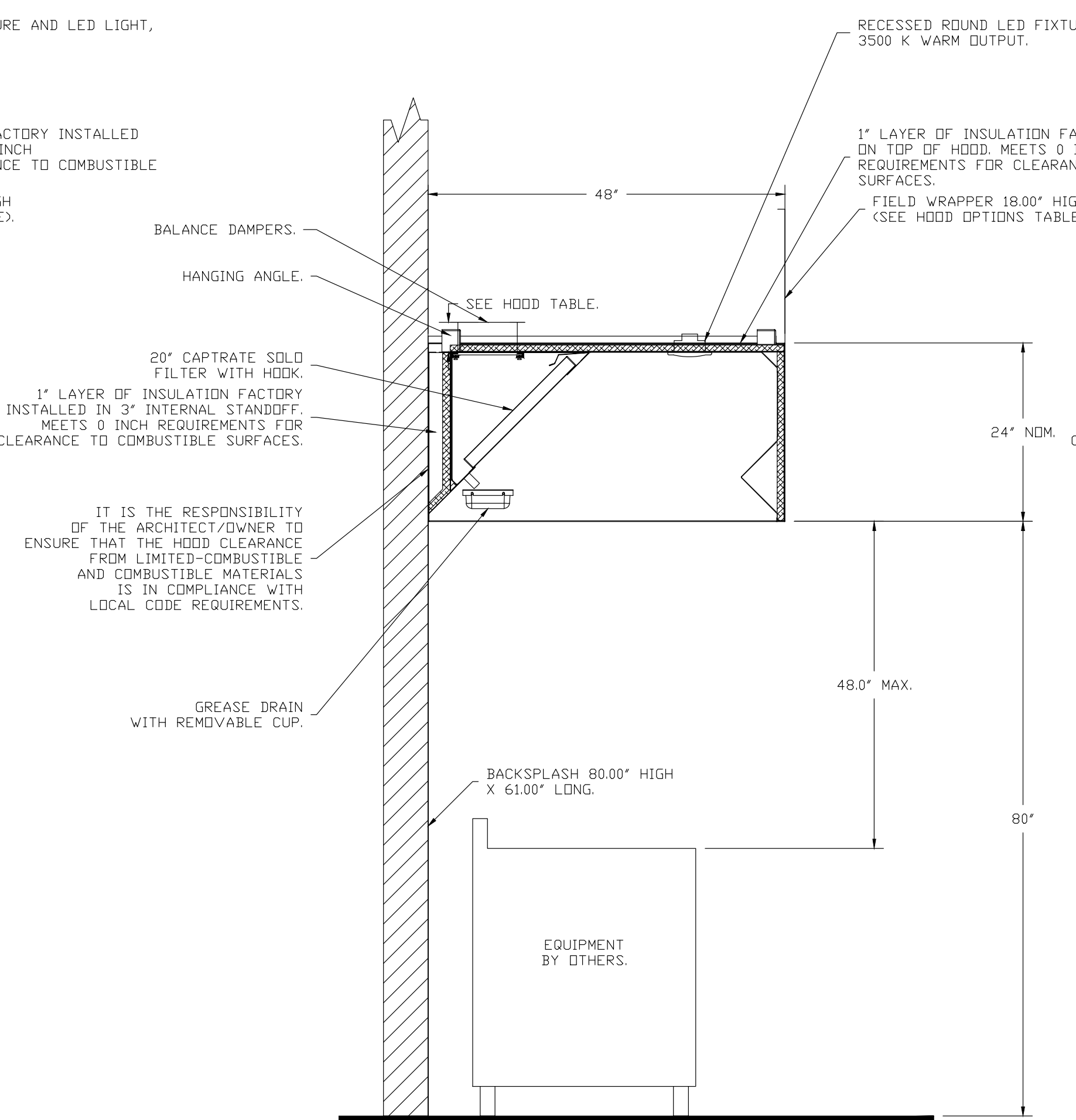
PLAN VIEW - HOOD #2 (2)  
 4' 0.00" LONG 4824ND-2



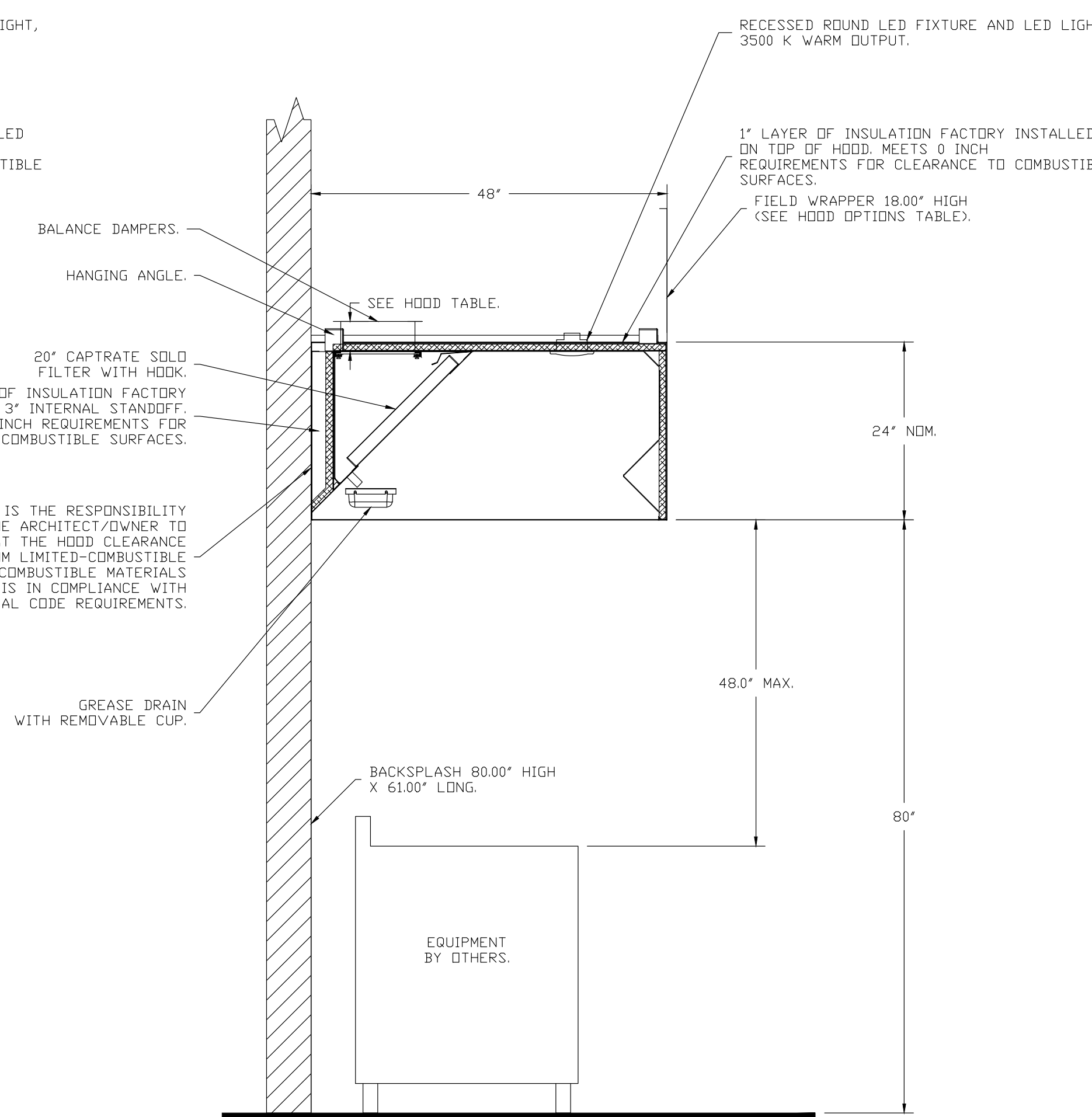
PLAN VIEW - HOOD #6 (6), #7 (7)  
 4' 0.00" LONG 4824ND-2



SECTION VIEW - MODEL 4824ND-2  
 HOOD - #1 (1)



SECTION VIEW - MODEL 4824ND-2  
 HOOD - #2 (2)



SECTION VIEW - MODEL 4824ND-2  
 HOOD - #6 (6), #7 (7)









REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**New Smith Middle School**

Troy School District  
Troy, Michigan

DRAWING TITLE  
**Food Service Equipment Exhaust Hood & Fire System Details**

Life Skills & Special Ed

KEY PLAN

ISSUE DATES

DATE: ISSUED FOR:

DRAWN: RSW  
CHECKED: ...  
APPROVED: \_\_\_\_\_

PROJECT NO.  
**22102**

DRAWING NO.  
**FSE.21**

REVISIONS	
DESCRIPTION	DATE

**CAPTIVE**  
 Michigan Office  
 4880 38th St SE #203, Grand Rapids, MI 49512  
 PHONE: (616) 942-9881 FAX: 9162275984 EMAIL: reg77@captiveaire.com  
 www.captiveaire.com

Smith Middle School Special Ed  
 5835 Donaldson Road,  
 Troy, MI, 48085

DATE: 6/10/2024

DWG #: 6741798

DRAWN BY: RJF

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

MASTER DRAWING

SHEET NO. 1

**SPECIFICATION: CAPTRATE® GREASE-STOP® SOLID FILTER**

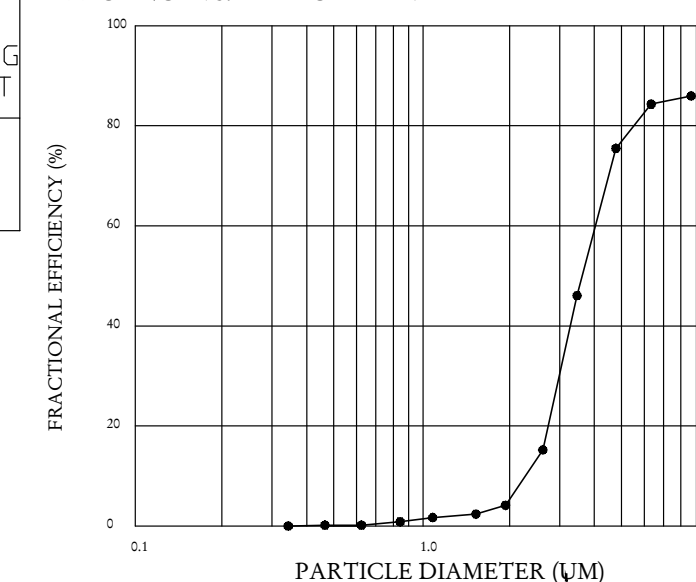
THE CAPTRATE GREASE-STOP SOLID FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-BAFFLE DESIGN IN CONJUNCTION WITH A SLOTTED REAR BAFFLE DESIGN TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

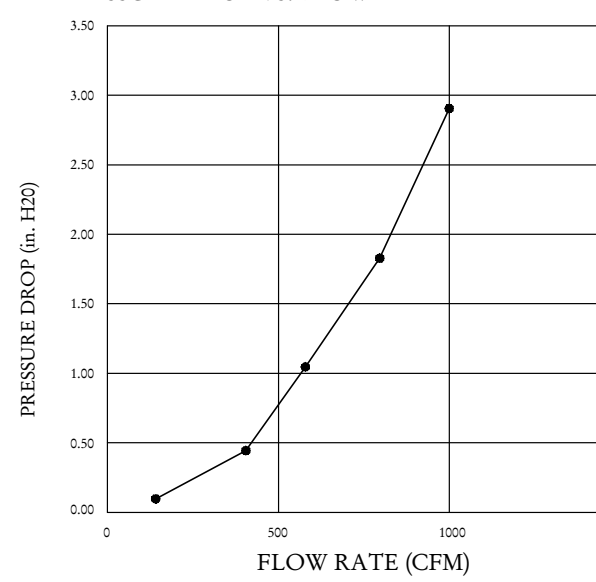
UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE. THE CAPTRATE GREASE-STOP SOLID WAS TESTED TO ASTM STANDARD ASTM F2519-05. MANUFACTURER APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.

**EFFICIENCY VS. PARTICLE DIAMETER**



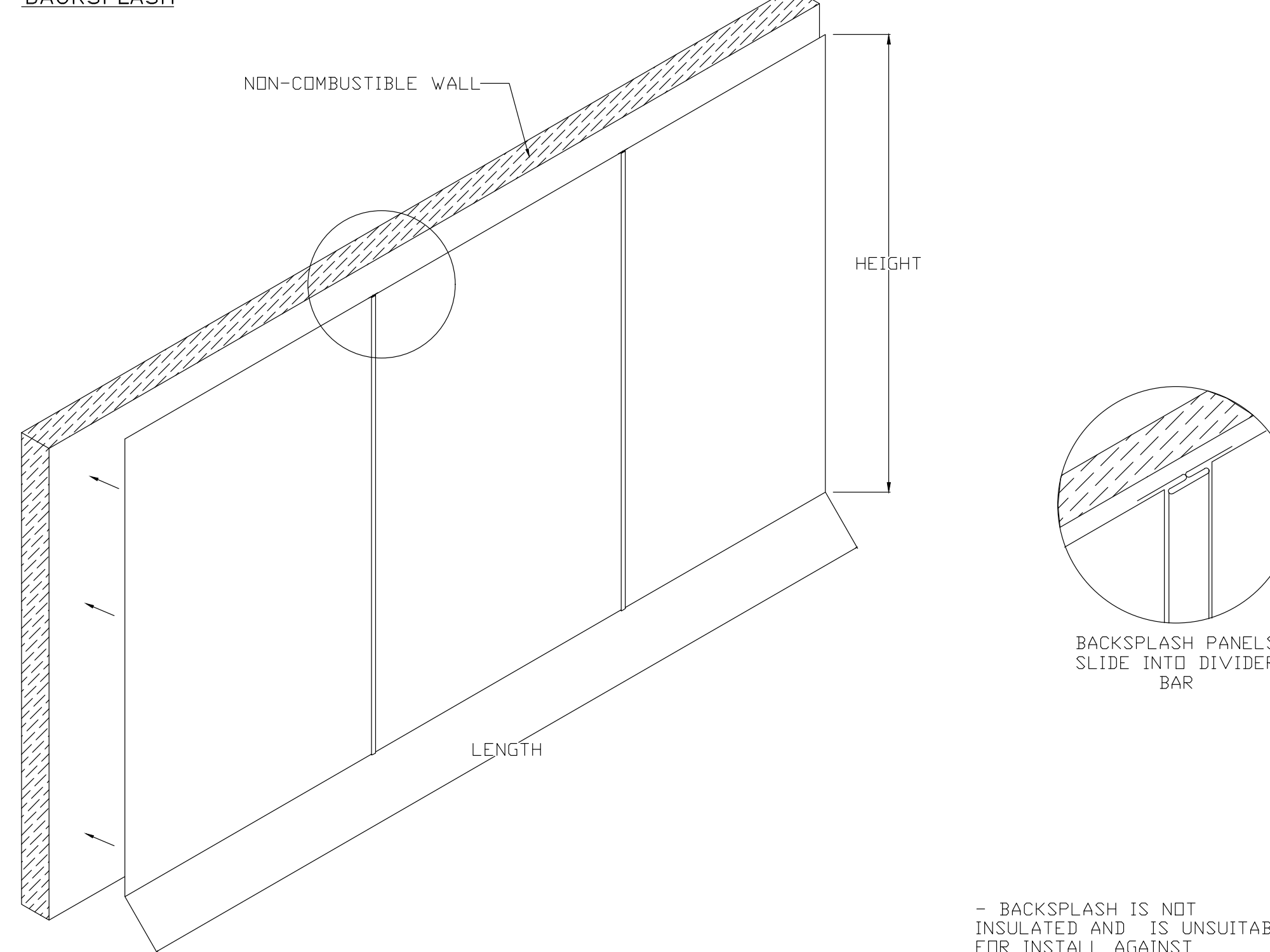
**PRESSURE DROP VS. FLOW RATE**



CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:  
 NFPA #96,  
 NSF STANDARD #2,  
 UL STANDARD #1046,  
 INT. MECH. CODE (IMC),  
 ULC-S649.



**BACKSPLASH**



- BACKSPLASH IS NOT INSULATED AND IS UNSUITABLE FOR INSTALL AGAINST COMBUSTIBLE WALLS

FOR QUESTIONS, CALL THE  
 Michigan Office  
 REGION 77  
 PHONE: (616) 942 - 9881  
 EMAIL: reg77@captiveaire.com

**HOOD INFORMATION - JOB#6741798**

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)					HOOD CONSTRUCTION	HOOD CONFIG			
										WIDTH	LENG	HEIGHT	DIA	CFM		VEL	SP	END TO END	ROW
1		2424 WRH	CAPTIVEAIRE	2' 6"	450 DEG	R	MEDIUM	120	300			4"	10"	300	550	-0.094"	430 SS 100%	ALONE	ALONE

**HOOD INFORMATION**

HOOD NO	TAG	TYPE	FILTER(S)				LIGHT(S)				UTILITY CABINET(S)			FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
			QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM	ELECTRICAL		
1		CAPTRATE SOLID FILTER	1	16"	20"	85% SEE FILTER SPEC	2	RECESSED ROUND	NO					YES	172 LBS

**HOOD OPTIONS**

HOOD NO	TAG	OPTION
1		BACKSPLASH 54.00" HIGH X 32.00" LONG 430 SS VERTICAL. RIGHT END STANDOFF(FIN/SLP) 1" WIDE 24" LONG INSULATED. LEFT END STANDOFF(FIN/SLP) 1" WIDE 24" LONG INSULATED. INSULATION FOR TOP OF HOOD. INSULATION FOR BACK OF HOOD. RESIDENTIAL HOOD STD WRAPPER - FRONT, LEFT, RIGHT.



**DUCTWORK INSTALLATION**  
 DUCTWORK IS REQUIRED TO CARRY SMOKE AND EXHAUST AWAY FROM THE APPLIANCES AND SPACE. DUCT SHOULD BE CONSTRUCTED OF SHEET METAL (26 GAUGE MINIMUM) THAT IS GALVANIZED STEEL, STAINLESS STEEL, ALUMINUM OR COPPER. DUCTS MUST HAVE A SMOOTH INNER WALL, BE AIR TIGHT, AND EQUIPPED WITH BACKDRAFT DAMPER. KEEP TRANSITIONS AND TURNS IN DUCT MINIMAL TO PREVENT SYSTEM EFFECT, THIS WILL DRASTICALLY INCREASE THE STATIC PRESSURE AND REDUCE AIRFLOW. DUCTWORK MUST BE INDEPENDENT FROM OTHER EXHAUST DUCTS. VERIFY LOCAL CODE AND JURISDICTION REQUIREMENTS FOR WHAT TYPE OF DUCTWORK MUST BE INSTALLED. HOOD COMES WITH FACTORY INSTALLED 10" ROUND, 4" TALL FLANGED RISER. DUCTWORK IS TO BE PROVIDED BY OTHERS IN THE FIELD.

DUCTWORK MUST BE INSTALLED BY QUALIFIED INSTALLATION TECHNICIAN. ALWAYS FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS. IF INSTRUCTIONS ARE NOT PROVIDED, FOLLOW SMACNA GUIDES AND RECOMMENDATIONS FOR DUCTWORK CONSTRUCTION.

CAPTIVEAIRE SYSTEMS RECOMMENDS THE USE OF LISTED, PRE-FABRICATED ROUND GREASE EXHAUST DUCT TO REDUCE STATIC PRESSURE IN THE SYSTEM, MINIMIZE INSTALLATION AND INSPECTION TIMES, AND ENSURE DUCT IS LIQUID TIGHT

**HVAC DISTRIBUTION NOTE**

HIGH VELOCITY DIFFUSERS OR HVAC RETURNS SHOULD NOT BE PLACED WITHIN TEN (10) FEET OF THE EXHAUST HOOD. PERFORATED DIFFUSERS ARE RECOMMENDED.

**VERIFY CEILING HEIGHT**

—' —"

HEIGHT REQUIRED TO VERIFY THAT HOOD FITS SPACE AND TO SIZE THE ENCLOSURE PANELS

**CUSTOMER APPROVAL TO MANUFACTURE:**

APPROVED AS NOTED	<input type="checkbox"/>
APPROVED WITH NO EXCEPTION TAKEN	<input type="checkbox"/>
REVISE AND RESUBMIT	<input type="checkbox"/>
SIGNATURE _____	
YOUR TITLE _____	DATE _____

**CLEARANCE TO COMBUSTIBLES**

HOODS #	SURFACE	*CLEARANCE
1	TOP	0"
	FRONT	18"
	BACK	18"
	LEFT	0"
	RIGHT	0"

\*0" CLEARANCE TO COMBUSTIBLES CONFORMS TO UL710 STANDARD.



TMP ARCHITECTURE INC  
 1191 WEST SQUARE LAKE ROAD  
 BLOOMFIELD HILLS - MICHIGAN - 48302  
 PH - 248.338.4561 FX - 248.338.0023  
 EM - INFO@TMPARCHITECTURE.COM

REGISTRATION SEAL

CONSULTANT

PROJECT TITLE  
**New Smith Middle School**

Troy School District  
 Troy, Michigan

DRAWING TITLE  
**Food Service Equipment Exhaust Hood & Fire System Details**

Life Skills & Special Ed

KEY PLAN

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PROJECT NO.  
**22102**

DRAWING NO.  
**FSE.22**

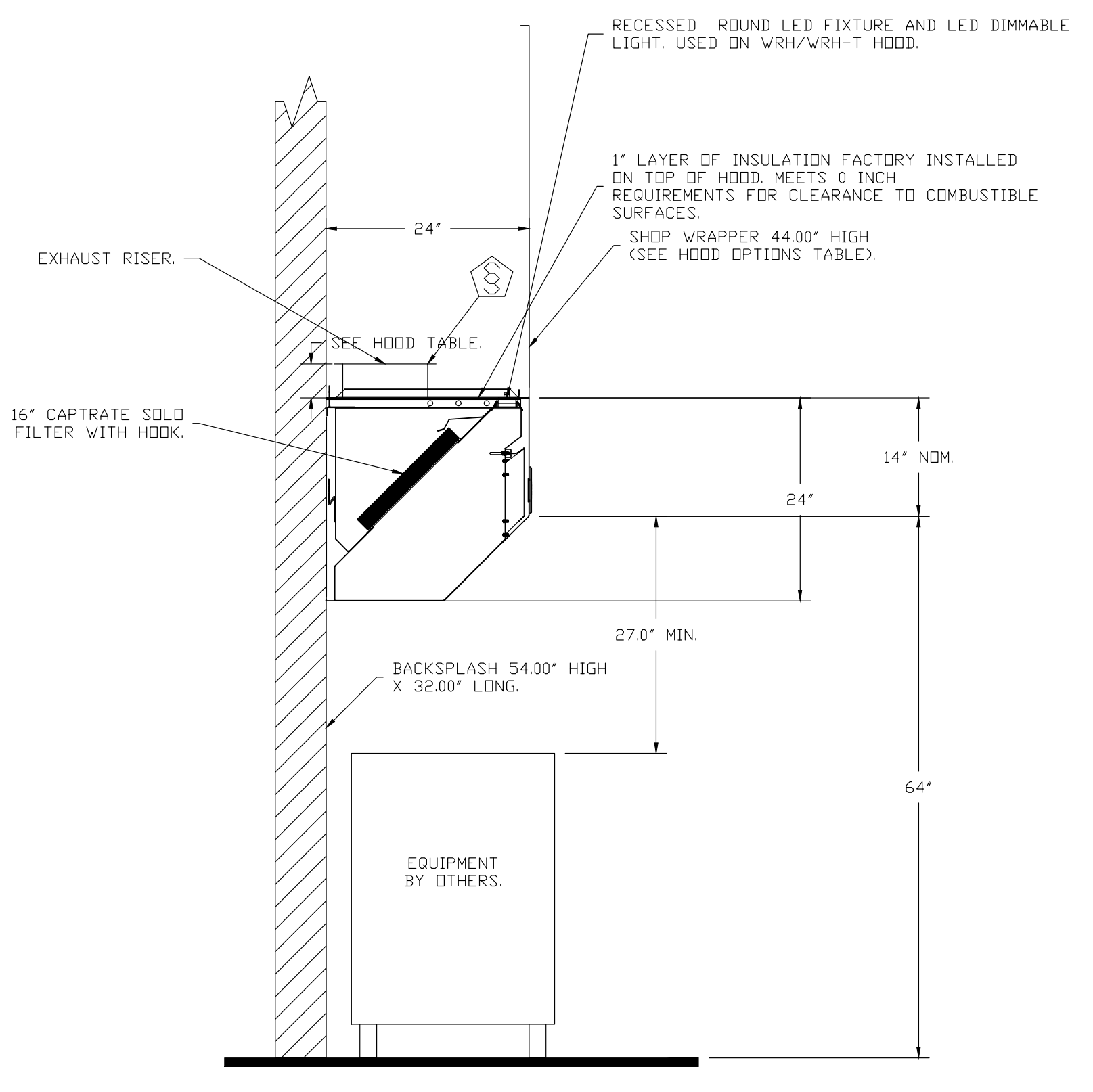
REVISIONS	
DESCRIPTION	DATE



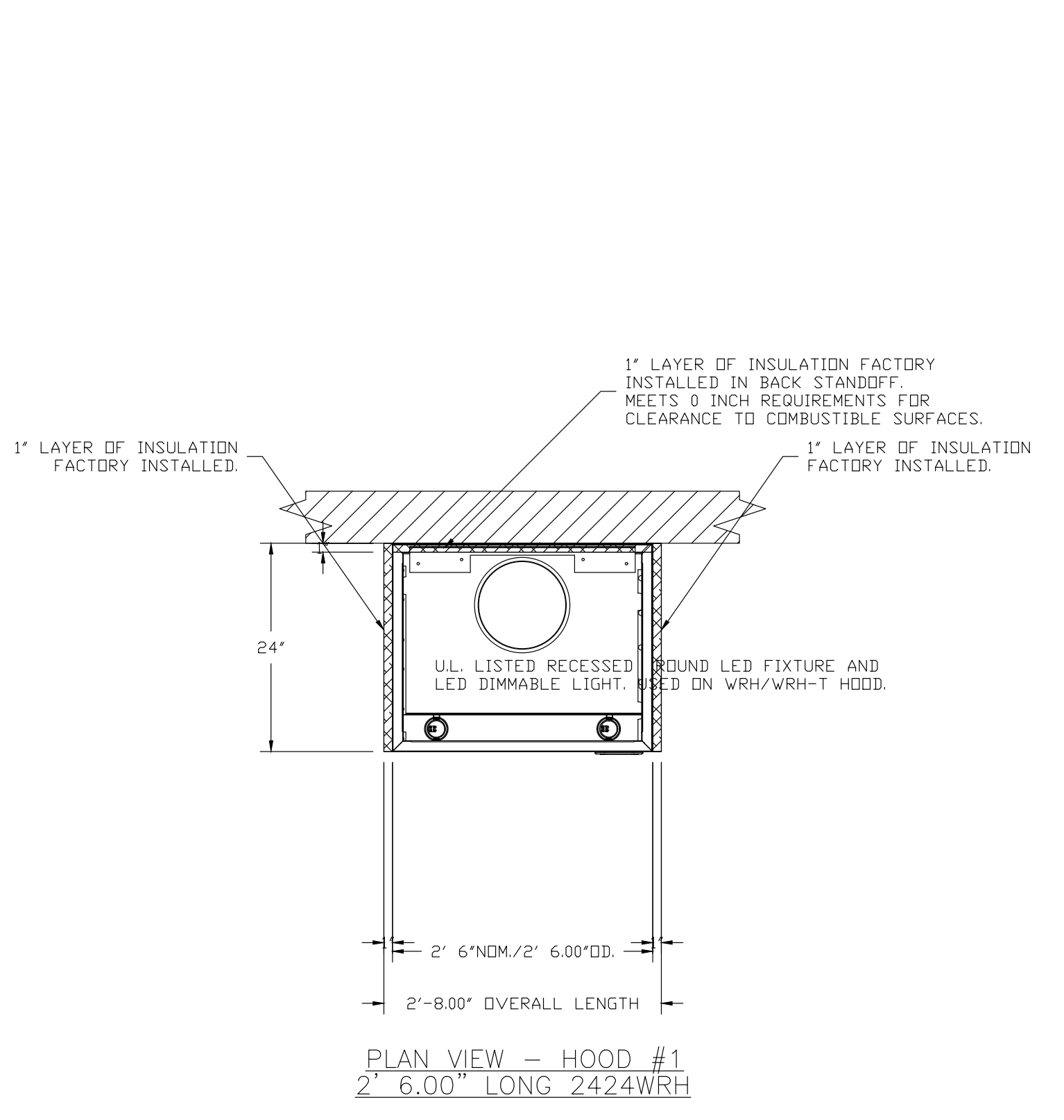
Smith Middle School Special Ed  
 5835 Donaldson Road,  
 Troy, MI, 48085

DATE: 6/10/2024  
 DWG #: 6741798  
 DRAWN BY: R/JF  
 SCALE: 3/4" = 1'-0"  
 MASTER DRAWING

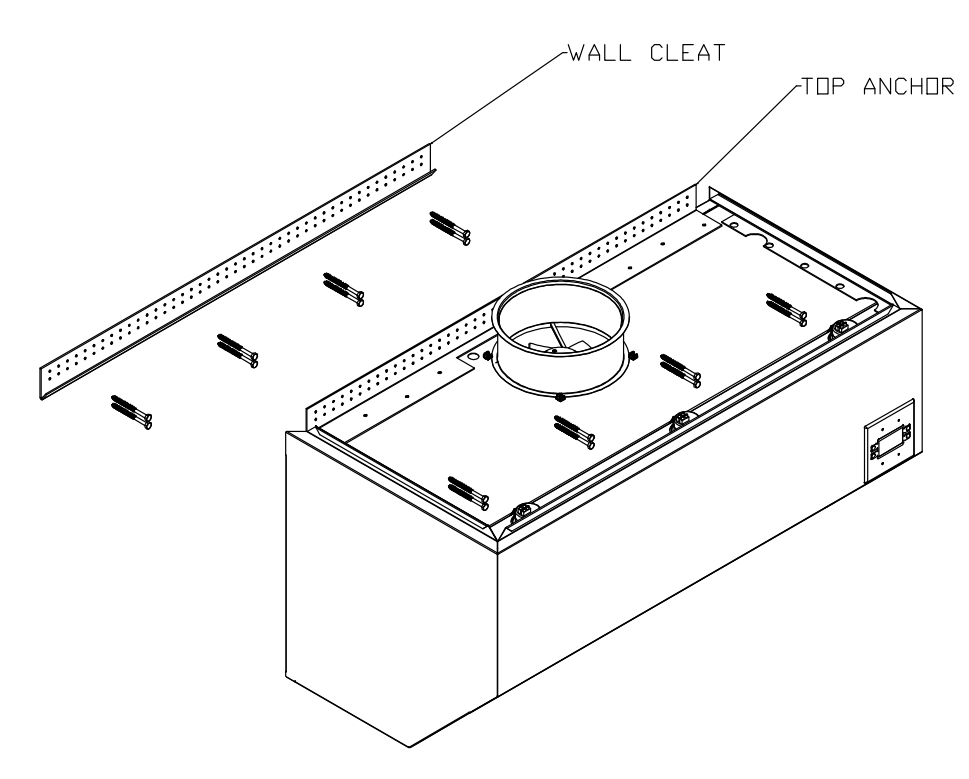
SHEET NO.  
 2



SECTION VIEW - MODEL 2424WRH HOOD - #1



PLAN VIEW - HOOD #1 2\"/>



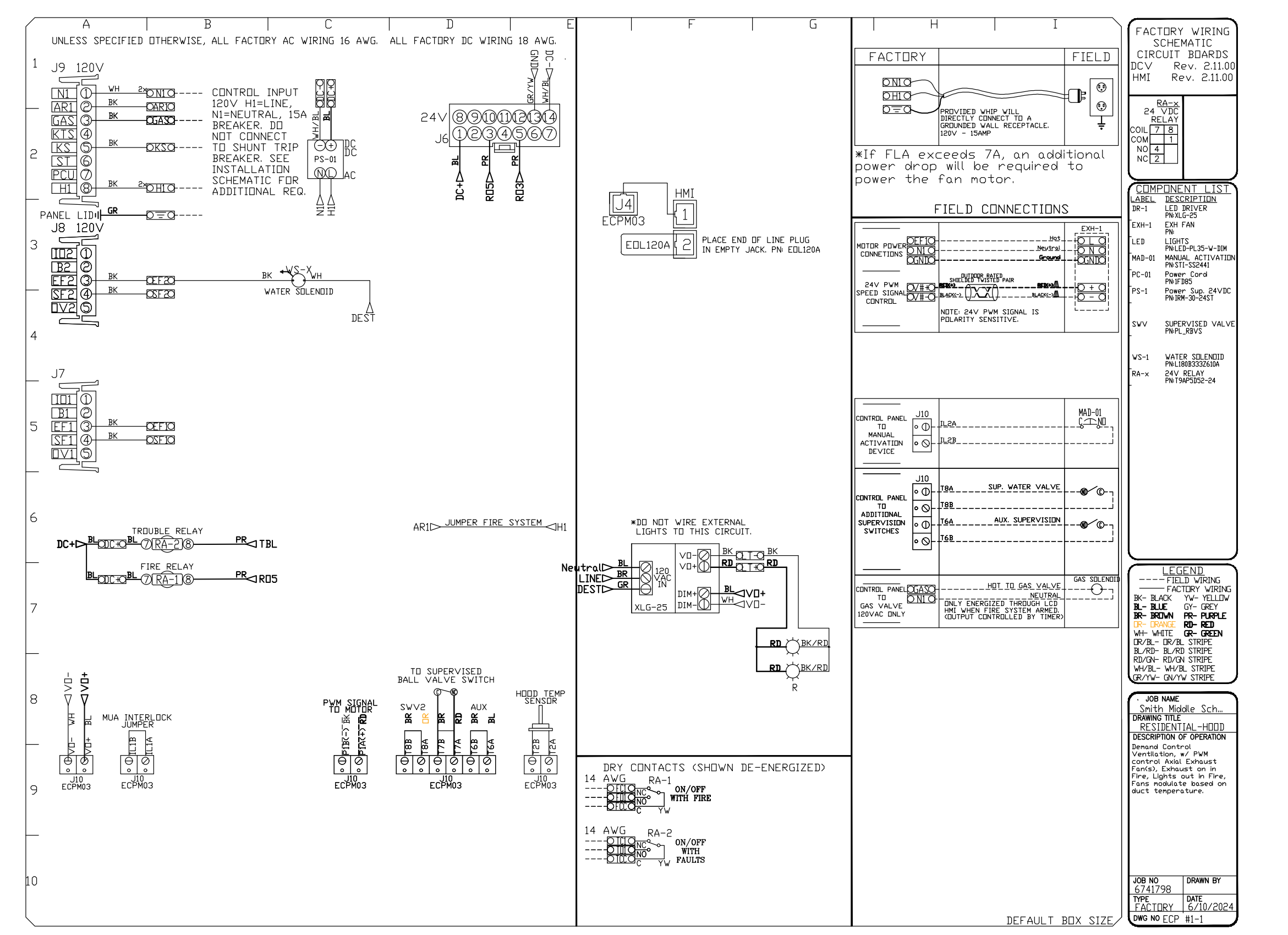
**MOUNTING HARDWARE**  
 1. FASTENER

**MOUNTING INSTRUCTIONS**  
 WALL RESIDENTIAL HOOD MUST BE SECURED TO WALL USING BOTH TDP ANCHOR AND WALL CLEAT.  
 MARK LOCATIONS FOR WALL CLEAT ON WALL. DRILL PILET HOLES FOR FASTENERS.  
 AFTER INSTALLATION OF WALL CLEAT ON WALL, MOUNT HOOD ON WALL CLEAT.  
 USE FASTENERS THROUGH TDP ANCHOR TO DRAW HOOD CLOSER TO WALL AND SECURE HOOD TO WALL.  
 A. WHEN INSTALLING INTO CONCRETE/MASONRY WALL, USE 3/16\"/>

**NOTE:**  
 WALL RESIDENTIAL HOODS 36\"/>

**ELECTRICAL PACKAGE - JOB#6741798**

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED				
				LOCATION	QUANTITY		TYPE	#	HP	VBLT	FLA
1		RESIDENTIAL-HOOD	MOUNTED IN HOOD	FACE MOUNT RIGHT SIDE OF HOOD	1 LIGHT	RESIDENTIAL HOOD	EXHAUST	1	0.250	115	2.9



DETAIL - BOX SIZE

REGISTRATION SEAL

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APPROVED

PROJECT NO.

**22102**

DRAWING NO.

**FSE.23**

**FIRE SYSTEM INFORMATION -- JOB#6741798**

FIRE SYSTEM NO	TAG	TYPE	SIZE	MAX FP	DESIGN FP	INSTALLATION	
						SYSTEM	LOCATION ON HOOD
1		RESIDENTIAL CORE	0	0	0	HOOD LINE LEFT	N/A

**GAS VALVE(S)**

FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY
1		SC ELECTRICAL	1.000	CAPTIVEAIRE SYSTEMS

**FIRE SYSTEM PARTS LIST KEY**

FIRE SYSTEM NO	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST
1		0 - 0 - A029078 JUNCTION BOX FOR RESIDENTIAL CORE PROTECTION MANUAL PULL STATION. 1.5" DEEP BACK BDX. BLUE.	1	0
		0 - 0 - CBI-102 CHROME PLATED PIPE FITTING 3/8" NPT 45 DEGREE ELBOW.	4	0
		0 - 0 - CORE RESIDENTIAL MANIFOLD RESIDENTIAL CORE MANIFOLD- USED ON 1/2" RESIDENTIAL CORE MANIFOLD.	1	0
		16 - 16 - DL-M NOZZLE - CORE PROTECTION APPLIANCE COVERAGE NOZZLE (INCLUDES METAL BLOW OFF CAP, LANYARD, USED WITH CHROME-PLATED PIPE).	3	0
		26 - 26 - QSA-3/8 QUIK SEAL - 3/8" (UL).	3	0
34 - 34 - A001985E 24VDC OR 120VAC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT.	1	0		

TOTAL SYSTEM INLET REQUIREMENTS		
	MINIMUM FLOW RATE (GPM)	MINIMUM PRESSURE (PSI)
TOTAL RESIDENTIAL CORE INLET REQUIREMENTS	5.5	20

\* OPERATING PRESSURE RANGE AT RESIDENTIAL CORE PANEL GAUGE IS 20 TO 70 PSI. MAXIMUM STATIC PRESSURE IS 225 PSI.

**NOTES**

-FACTORY PIPING EXTENDED A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.  
-APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.  
-THIS FIRE SYSTEM COMPLIES WITH UL300A REQUIREMENTS.

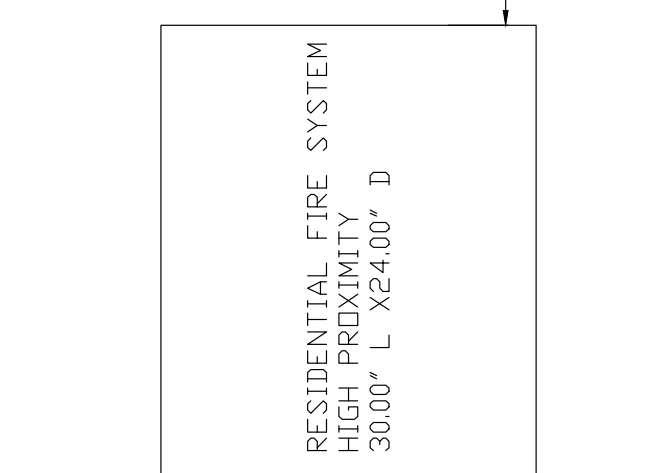
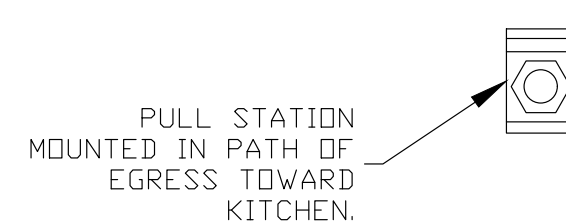
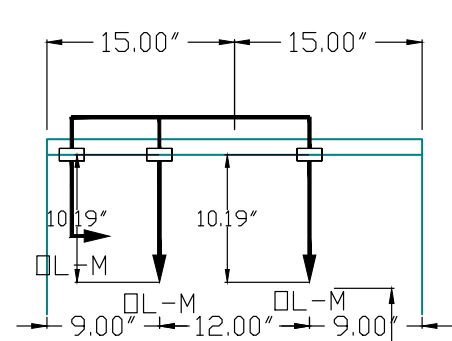
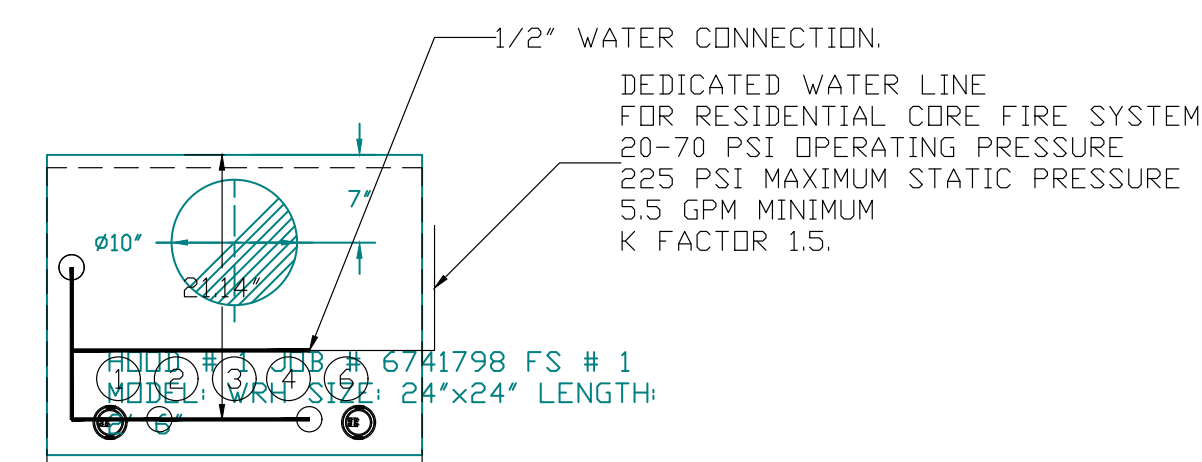
- DL-M NOZZLE PART NUMBER REPLACES 3070-3/8HH-10-SS

JOB #: 6741798.  
JOB NAME: SMITH MIDDLE SCHOOL SPECIAL ED.

SYSTEM SIZE: RESIDENTIAL DESIGN FP: 0  
HOOD # 1 2" 6.00" LONG x 24" WIDE x 24" HIGH.  
RISER # 1 SIZE: 10" DIA.  
HOOD # 1 METAL BLOW-OFF CAPS INCLUDED.

**LEGEND -- CORE RESIDENTIAL FIRE SYSTEM**

- SOLENOID.
- BACK FLOW PREVENTER.
- PRESSURE AND TEMPERATURE GAGE.
- STRAINER.
- SUPERVISED BALL VALVE.



REVISIONS	
DESCRIPTION	DATE

**CAPTIVE FIRE**  
Michigan Office  
www.captivefire.com  
4880 38th St SE #203, Grand Rapids, MI 49512 PHONE: (616) 942-3881 FAX: 9192275984 EMAIL: rsg77@captivefire.com

Smith Middle School Special Ed  
5835 Donaldson Road,  
Troy, MI, 48085

DATE: 6/10/2024  
DWG.#: 6741798  
DRAWN BY: R.J.F.  
SCALE: 3/4" = 1'-0"

MASTER DRAWING  
**SHEET NO. 3**