

ORANGE-ULSTER BOCES
ARDEN HILL - MAIN BUILDING
ADDITIONS AND ALTERATIONS
4 HARRIMAN DRIVE
GOSHEN, NY 10924

ISSUED FOR BID - JANUARY 09, 2025

ARDEN HILL - MAIN
BUILDING ADDITIONS AND
ALTERATIONS

KG&D Project No.
44-90-00-00-0-035-010

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Grand total: 96

COVER

T1

UNIFORM SAFETY STANDARDS FOR SCHOOL CONSTRUCTION AND MAINTENANCE PROJECTS

THE OCCUPIED PORTION OF THE EXISTING SCHOOL BUILDING SHALL ALWAYS COMPLY WITH THE MINIMUM REQUIREMENTS NECESSARY TO MAINTAIN A CERTIFICATE OF OCCUPANCY.

ALL SCHOOL AREAS TO BE DISTURBED DURING RENOVATION OR DEMOLITION HAVE BEEN OR WILL BE TESTED FOR LEAD AND ASBESTOS.

GENERAL SAFETY AND SECURITY STANDARDS FOR CONSTRUCTION PROJECTS:

- (A) ALL CONSTRUCTION MATERIALS SHALL BE STORED IN A SAFE AND SECURE MANNER.
- (B) FENCES AROUND CONSTRUCTION SUPPLIES OR DEBRIS SHALL BE MAINTAINED.
- (C) GATES SHALL ALWAYS BE LOCKED UNLESS A WORKER IS IN ATTENDANCE TO PREVENT UNAUTHORIZED ENTRY.
- (D) DURING EXTERIOR RENOVATION WORK, OVERHEAD PROTECTION SHALL BE PROVIDED FOR ANY SIDEWALKS OR AREAS IMMEDIATELY BENEATH THE WORK SITE OR SUCH AREAS SHALL BE FENCED OFF AND PROVIDED WITH WARNING SIGNS TO PREVENT ENTRY.
- (E) WORKERS SHALL BE REQUIRED TO WEAR PHOTO-IDENTIFICATION BADGES AT ALL TIMES FOR IDENTIFICATION AND SECURITY PURPOSES WHILE WORKING AT OCCUPIED SITES.

SEPARATION OF CONSTRUCTION AREAS FROM OCCUPIED SPACES:

CONSTRUCTION AREAS WHICH ARE UNDER THE CONTROL OF A CONTRACTOR AND THEREFORE NOT OCCUPIED BY DISTRICT STAFF OR STUDENTS SHALL BE SEPARATED FROM OCCUPIED AREAS. PROVISIONS SHALL BE MADE TO PASSAGE OF DUST AND CONTAMINANTS INTO OCCUPIED PARTS OF THE BUILDING. PERIODIC INSPECTION AND REPAIRS OF THE CONTAINMENT BARRIERS MUST BE MADE TO PREVENT EXPOSURE TO DUST OR CONTAMINANTS. GYPSUM BOARD MUST BE USED IN EXIT WAYS OR OTHER AREAS THAT REQUIRE FIRE RATED SEPARATION. HEAVY DUTY PLASTIC SHEETING MAY BE USED ONLY FOR A VAPOR, FINE DUST OR AIR INFILTRATION BARRIER, AND SHALL NOT BE USED TO SEPARATE OCCUPIED SPACES FROM CONSTRUCTION AREAS.

(A) A SPECIFIC STAIRWELL AND/OR ELEVATOR SHOULD BE ASSIGNED FOR CONSTRUCTION WORKER USE DURING WORK HOURS. IN GENERAL, WORKERS MAY NOT USE CORRIDORS, STAIRS OR ELEVATORS DESIGNATED FOR STUDENTS OR SCHOOL STAFF.

(B) LARGE AMOUNTS OF DEBRIS MUST BE REMOVED BY USING ENCLOSED CHUTES OR A SIMILAR SEALED SYSTEM. THERE SHALL BE NO MOVEMENT OF DEBRIS THROUGH HALLS OF OCCUPIED SPACES OF THE BUILDING. NO MATERIAL SHALL BE DROPPED OR THROWN OUTSIDE THE WALLS OF THE BUILDING.

(C) ALL OCCUPIED PARTS OF THE BUILDING AFFECTED BY RENOVATION ACTIVITY SHALL BE CLEANED AT THE CLOSE OF EACH WORKDAY. SCHOOL BUILDINGS OCCUPIED DURING A CONSTRUCTION PROJECT SHALL MAINTAIN REQUIRED HEALTH, SAFETY AND EDUCATIONAL CAPABILITIES AT ALL TIMES THAT CLASSES ARE IN SESSION.

A PLAN DETAILING HOW EXITING REQUIRED BY THE APPLICABLE BUILDING CODE WILL BE MAINTAINED.

A PLAN DETAILING HOW ADEQUATE VENTILATION WILL BE MAINTAINED DURING CONSTRUCTION.

CONSTRUCTION AND MAINTENANCE OPERATIONS SHALL NOT PRODUCE NOISE IN EXCESS OF 60 DBA IN OCCUPIED SPACES OR SHALL BE SCHEDULED FOR TIMES WHEN THE BUILDING OR AFFECTED BUILDING SPACES ARE NOT OCCUPIED OR ACOUSTICAL ABATEMENT MEASURES SHALL BE TAKEN.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF CHEMICAL FUMES, GASES, AND OTHER CONTAMINATES PRODUCED BY WELDING, GASOLINE OR DIESEL ENGINES, ROOFING, PAVING, PAINTING, ETC. TO ENSURE THEY DO NOT ENTER OCCUPIED PORTIONS OF THE BUILDING OR AIR INTAKES.

THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ACTIVITIES AND MATERIALS WHICH RESULT IN "OFF-GASSING" OF VOLATILE ORGANIC COMPOUNDS SUCH AS GLUES, PAINTS, FURNITURE, CARPETING, WALL COVERING, DRAPERY, ETC. ARE SCHEDULED, CURED OR VENTILATED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS BEFORE A SPACE CAN BE OCCUPIED.

LARGE AND SMALL ASBESTOS ABATEMENT PROJECTS AS DEFINED BY 12NYCRR56 SHALL NOT BE PERFORMED WHILE THE BUILDING IS OCCUPIED". NOTE, IT IS OUR INTERPRETATION THAT THE TERM "BUILDING", AS REFERENCED IN THIS SECTION, MEANS A WING OR MAJOR SECTION OF A BUILDING THAT CAN BE COMPLETELY ISOLATED FROM THE REST OF THE BUILDING WITH SEALED NON-COMBUSTIBLE CONSTRUCTION. THE ISOLATED PORTION OF THE BUILDING MUST CONTAIN EXITS THAT DO NOT PASS THROUGH THE OCCUPIED PORTION AND VENTILATION SYSTEMS MUST BE PHYSICALLY SEPARATED AND SEALED AT THE ISOLATION BARRIER.

EXTERIOR WORK SUCH AS ROOFING, FLASHING, SIDING, OR SOFFIT WORK MAY BE PERFORMED ON OCCUPIED BUILDINGS PROVIDED PROPER VARIANCES ARE IN PLACE AS REQUIRED, AND COMPLETE ISOLATION OF VENTILATION SYSTEMS AND AT WINDOWS IS PROVIDED. CARE MUST BE TAKEN TO SCHEDULE WORK SO THAT CLASSES ARE NOT DISRUPTED BY NOISE OR VISUAL DISTRACTION.

SURFACES THAT WILL BE DISTURBED BY RECONSTRUCTION MUST HAVE A DETERMINATION MADE AS TO THE PRESENCE OF LEAD. PROJECTS WHICH DISTURB SURFACES THAT CONTAIN LEAD SHALL HAVE IN THE SPECIFICATIONS A PLAN PREPARED BY A CERTIFIED LEAD RISK ASSESSOR OR SUPERVISOR WHICH DETAILS PROVISIONS FOR OCCUPANT PROTECTION, WORKSITE PREPARATION, WORK METHODS, CLEANING AND CLEARANCE TESTING WHICH ARE IN GENERAL ACCORDANCE WITH THE HUD GUIDELINES.

MEANS OF EGRESS

EGRESS INFORMATION:	DWG SHOWN
ROOM USE DESIGNATIONS	CC-1, FLOOR PLANS
ROOM SQUARE FOOTAGE	CC-1, FLOOR PLANS
ROOM OCCUPANCY LOADS	CC-1
ASSEMBLY SPACE EXIT WIDTH CALC	CC-1
AREA OF REFUGE	N/A (NYS BC 1009.3.3 EXCEPTION 2))
RESCUE WINDOWS	FLOOR PLANS & ELEVATIONS

EXIT TRAVEL DISTANCE

NYS BC TABLE 1017.2
200' MAX UNSPRINKLERED
250' MAX SPRINKLERED

SED MANUAL OF PLANNING STANDARDS

150' TO EXTERIOR DOOR FROM CORRIDOR
120' TO STAIR ENCLOSURE FROM CORRIDOR
50' TO EXIT FROM ALL ROOMS 1500 SF & UNDER
75' TO SEPARATE SMOKE ZONE IN OPEN PLANNED AREAS
NO DEAD-END CORRIDORS (<1.5 x WIDTH, MAX 20')

OCCUPANCY LOADS:	NYS BC TABLE 1004.5
GYM - FLOOR AREA	5 NET SF/PERSON
GYM - SEATING	1 PER SEAT
FITNESS CENTER	50 GROSS SF/PERSON
LOCKER ROOMS	50 GROSS SF/PERSON
OFFICE AREAS	100 GROSS SF/PERSON
STORAGE/MEP	300 GROSS SF/PERSON

EXIT WIDTH & NUMBER

PER NYS BC 1005.1
OTHER EGRESS COMPONENTS
1363 OCCUPANTS x .15" = 205"

PER NYS BC S106-5B
GYM - FLOOR AREA
GYM - BLEACHER

PER NYS BC S103-2 & S103-5

CORRIDORS	NYS BC TABLE 1020.1 NY SED S103-2 & S103-5
WIDTH (NY SED): MAIN CORRIDOR:	8'-0" MIN. (CLEAR) [12" LOCKERS ON ONE SIDE = 9'-0" MIN]* [12" LOCKERS ON BOTH SIDES = 10'-0" MIN]*
SECONDARY:	6'-0" MIN. (CLEAR) [12" LOCKERS ON ONE SIDE = 7'-0" MIN]* [12" LOCKERS ON ONE SIDE = 8'-0" MIN]*
PASSAGEWAY:	44" MIN.

*CORRIDOR LOCKER DOORS MAY NOT PROJECT INTO THE REQUIRED WIDTH

ABBREVIATIONS

ACM ADP ADPL ACT ADJ AC AESS AFF AHAP AL ALUM AMP APPROX	ASBESTOS CONTAINING MATERIAL ALUMINUM COMPOSITE PANEL ACOUSTIC CEILING TILE ADJUSTABLE AIR CONDITIONING ARCHITECTURAL EXPOSED STRUCT STEEL HARDWARE AS HIGH AS POSSIBLE ALUMINUM ACRYLIC MODIFIED POLYESTER APPROXIMATE	BROADCAST EPOXY BETWEEN BLOCKING BOTTOM BOTT BLDG BL BM	CEILING CENTER LINE, CLASSROOM CONCRETE MASONRY UNIT COLUMN CONC CONF CONST CONTR CONT COORD CPT CR CT CTB	DA EIPS DET DF DIM DR DN DWG	EE EIPS EJ ELEC EUELEV ENCL EOD EOS EPO EPS EQ ES EXIST ETR ETRE EXP JT EXT, EXTR EW	FAB FTF FIN FA FD FDMFR FE FEC FF FHC FHVC FR FRD FRP FRTD FYXURE FLUFLR FLUOR FL MTD FT FDN FRITZ	DEVICE ARRANGEMENT DETAIL DRINKING FOUNTAIN MBL DOOR DOWN DRAWING	EE EIPS EJ ELEC EUELEV ENCL EOD EOS EPO EPS EQ ES EXIST ETR ETRE EXP JT EXT, EXTR EW	FABRIC FACE TO FACE FINISHED FIRE ALARM FLOOR DRAIN FIRE DAMPER FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FACTORY FINISHED FIRE HOSE CABINET FIRE HOSE VALVE CABINET FRENCH DRAIN FIBERGLASS REINFORCED POLYESTER FIRE RETARDANT FLOOR FLUORESCENT FLUSH MOUNTED FOOT/FEET FOUNDATION FRITZ FLOOR (RTT) TILE	GALV GFB GFRG GL GWB	GALVANIZED GROUND FACE BLOCK GLASS FIBER REINFORCED GYPSUM GLASS GYPSUM WALLBOARD	HT HDW, HDWE HD HDR HVAC HT HM HMFR HCR HZ	HEIGHT HARDWARE HARDWOOD HEAD HEADER HEATING, VENTILATING, AIR CONDITIONING HOUR HEIGHT HOLLOW METAL HOLLOW METAL FRAME HORIZONTAL HANDICAP	IF IN INCL INFO INSUL INT	INSIDE FACE INCHES INCLUDE/INCLUSIVE INFORMATION INSULATION INTERIOR	JC JT JC JCT KPL KO KNOCKDOWN KNOCKOUT LAM LAMGL LT LTG LWC LIN LMF	JANITOR'S CLOSET JOINT KICK PLATE KNOCKDOWN KNOCKOUT LAMINATED GLASS LAMP LIGHT LIGHTING LIGHT WEIGHT CONCRETE LINOLEUM LIGHT METAL FRAMING	MAINT MAX MARB MFG MSNRY MC MATL MECH MONITOR MCP MCB MS MLWK MIN MISC MLDG MTG	MAINTAIN/MAINTENANCE MAXIMUM MARBLE MANUFACTURER MASONRY MASONRY OPENING MATERIAL MECHANICAL MONITOR METAL METAL COMPOSITE PANEL METAL CORNER BEAD METAL STUD MILL WORK MINIMUM MISCELLANEOUS MOLDING MOUNTING	OC OPNG OPP OH OTS OUT OD OF	ON CENTER OPENING OPPOSITE OPPOSITE HAND OPEN TO STRUCTURE OUTSIDE DIAMETER OUTSIDE FACE	P, PTD PT PTB PAIR PNL PTN PL PLAM PLMB PLYWD PTWD	PAINTED PORCELAIN TILE PORCELAIN TILE BASE WOOD DOOR PANEL PARTITION PLATE / PROPERTY LINE PLASTIC LAMINATE PLUMBING PLYWOOD PRESERVATIVE TREATED WOOD	QT QTB QTY	QUARRY TILE QUARRY TILE BASE QUANTITY	RCP REFL REQD RB RTN RA REV RFI RHO RT RTB RTT RW	REFLECTED CEILING PLAN REFLECTED REQUIRED RUBBER BASE RETURN RETURN AIR REVISED/REVISION REQUEST FOR INFORMATION ROUGH OPENING RUBBER TREAD/TILE RUBBER TREAD BASE RESILIENT TERRAZZO TILE RESCUE WINDOW	S SCHD SECT SFB SH SIM SL STC STCO SPEC SQFT ST STSTL STL STR SUSP	SAFETY GLAZING/SEE SPEC SCHEDULES/SCHEDULED SECTION SPLIT FACE BLOCK SHELVING/SHELF/SHELVES SIMLAR SLATE SOUND TRANSMISSION CLASS STUCCO SPECIFICATION SQUARE FOOT SAND, STAIN & SEAL STAINLESS STEEL STEEL STRUCTURAL/STRUCTURE SUSPENDED/SUSPENSION	T TB TBD TERR TTF TMP GL THERMO T&B TO TOS TOSL TOES TRT TYP	TOP TACKBOARD TO BE DETERMINED TERRAZZO TOP FINISHED FLOOR TEMPERED GLASS THERMOSTAT TOP AND BOTTOM TOP OF TOP OF STEEL TOP OF STRUCTURAL SLAB TOP OF EXISTING SLAB TERRAZZO RESILIENT TILE TYPICAL	UNFIN UN, UNO UR UTIL	UNFINISHED UNLESS NOTED OTHERWISE URNAL UTILITY	VAT VCT VEN VERT VET VIF VRS VW	VINYL ASBESTOS TILE VINYL COMPOSITE TILE VENER VERTICAL VINYL ENHANCED TILE VERIFY IN FIELD VINYL REDUCER STRIP VINYL TILE VINYL WALL COVERING	WB WC WF WGL W W/C W/O WOM WD WD BLKG WD DR WP WR WW	WHITEBOARD WATER CLOSET WATER FOUNTAIN WIRE GLASS WITH WHEEL CHAIR WITHOUT WALK OFF MAT WOOD WOOD BLOCKING WOOD DOOR WATERPROOFING WARDROBE WINDOW WALL	YO YCO	YARD YARD CLEANOUT	ZCC ZCP ZT	ZINC COATED COPPER ZINC COMPOSITE PANEL ZINC TILE SYSTEM
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SHEET IDENTIFICATION LEGEND

DISCIPLINE DESIGNATOR	DISCIPLINE DESIGNATORS	ARCHITECTURAL SHEET TYPE DESIGNATOR
DISCIPLINE DESIGNATOR	G GENERAL CC CODE COMPLIANCE PH PHASING HM HAZARDOUS MATERIAL ABATEMENT C CIVIL L LANDSCAPE S STRUCTURAL A ARCHITECTURAL F FIRE PROTECTION P PLUMBING M MECHANICAL E ELECTRICAL	1 DEMOLITION 2 PLANS 3 EXTERIOR ELEVATIONS & BUILDING SECTIONS 4 ENLARGED PLANS & INTERIOR ELEVATIONS 5 FINISHES 6 REFLECTED CEILING PLANS 7 VERTICAL CIRCULATION 8 WALL SECTIONS & ENLARGED DETAILS 9 TYPICAL DETAILS

SYMBOLS LEGEND

ROOM NAME	ROOM TAG (NAME, NUMBER, & AREA)		
101 150 SF			DENOTES EXISTING AREA OF THE BUILDING TO REMAIN (NO MAJOR GENERAL CONSTRUCTION).
			DENOTES EXISTING WALL TO REMAIN
1A	WALL TYPE & FIRE RATING TAG WINDOW TYPE TAG		DENOTES EXISTING WALL TO BE DEMOLISHED
101	DOOR DESIGNATION TAG		DENOTES 1hr OR NON-RATED WALL
C, J	CONTROL JOINT		DENOTES 2hr RATED WALL
	COLUMN LINE		DENOTES WALL TYPE & FIRE RATING
1 A101	EXTERIOR ELEVATION		DENOTES HOLLOW METAL FRAME w/ SIDELITE OR TRANSOM
1 A101 1	INTERIOR ELEVATION		DENOTES EXISTING DOOR TO REMAIN (U, N, O)
1 A101	WALL OR BUILDING SECTION		DENOTES EXISTING DOOR AND OR FRAME TO BE DEMOLISHED. SEE DOOR SCHEDULE.
			DENOTES NEW DOOR AND OR FRAME. SEE DOOR SCHEDULE

MATERIAL LEGEND

CMU WALL	WATERPROOFING MEMBRANE, OR ROOFING MEMBRANE OR FLASHING
CMU WALL	RIGID INSULATION
GWB WALL	BATT INSULATION
MASONRY VENEER	POROUS FILL
GWB - TYPE X* UNO (SEE SPECS)	SUITABLE COMPACTED BACKFILL (SEE SPEC)
EXPOSED TO WEATHER OR MOISTURE)	UNDISTURBED SOIL
WOOD BLOCKING (PRESSURE TREATED ALL AREAS EXPOSED TO WEATHER OR MOISTURE)	CAST-IN-PLACE CONCRETE OR CAST STONE
CAULK w/ BACKER ROD	GLASS SURFACE

PROJECT INFORMATION

NYS ED CONTROL NUMBER:	44-90-00-00-8-035-0010
DISTRICT NAME:	ORANGE - ULSTER BOCES 53 GIBSON RD. GOSHEN, NY 10924
BUILDING NAME:	REGIONAL EDUCATION CENTER AT ARDEN HILL 4 HARRIMAN DRIVE GOSHEN, NY 10924
TYPE OF PROJECT:	ADDITIONS & ALTERATIONS
PROJECT COMMENCEMENT:	SEE MILESTONE SCHEDULE (SPECIFICATION)
PROJECTED COMPLETION:	SEE MILESTONE SCHEDULE (SPECIFICATION)
APPLICABLE CODES:	2020 NEW YORK STATE UNIFORM FIRE PREVENTION & BUILDING CODE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE 2022 MANUAL OF PLANNING STANDARDS - THE UNIVERSITY OF THE STATE OF NEW YORK THE STATE EDUCATION DEPARTMENT ANSI A117.1-09 ACCESSIBLE & USABLE BUILDINGS & FACILITIES NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
WORK AREAS	ALTERATION LEVEL 2 NEW CONSTRUCTION EXISTING

USE, CLASSIFICATION, & BUILDING HEIGHTS AND AREAS

GYMNASIUM			
USE & OCCUPANCY CLASSIFICATION:	A-3 IIB (SPRINKLERED)		
CONSTRUCTION TYPE:			
BUILDING HEIGHT & AREA:	PERMITTED 75'-0" 3 38,000	ACTUAL 33'-1" +/- 1 15,260 SF (1st FL)	

FIRE-RESISTANCE-RATED CONSTRUCTION

BUILDING ELEMENT (NYS BC TABLE 601)	FIRE RATING (HOURS)	
	IIB - ORIGINAL	IIB - GYM ADDITION
PRIMARY STRUCTURAL FRAME:	2	0
FLOORS:	2	0
ROOFS:	1	0
BEARING WALLS (EXTERIOR & INTERIOR):	2	0
NON-BEARING INTERIOR WALLS:	0	0
NON-BEARING EXTERIOR WALLS (NYS BC TABLE 602)		
FIRE SEPARATION DISTANCE (FEET)		
X < 5	1	1
5 ≤ X < 10	1	1
10 ≤ X < 30	1	0
X ≥ 30	0	0
EXTERIOR OPENINGS - (SPRINKLERED BUILDING) (NYS BC TABLE 705.8)		
FIRE SEPARATION DISTANCE (FEET)		
0 TO 3	NOT PERMITTED	
3 TO 5	15%	
5 TO 10	25%	
10 TO 15	45%	
15 TO 20	75%	
20 OR GREATER	NO LIMIT	

- NOTE:
- A. THE NEW GYM ADDITION IS FULLY SPRINKLERED WHILE THE ORIGINAL BUILDING IS PARTIALLY SPRINKLERED. SEE DRAWING CC-3
- B. SEE DRAWING CC-3 FOR CONSTRUCTION TYPES AT EXISTING BUILDING

FIRE PROTECTION & LIFE SAFETY SYSTEMS

	REQUIRED	PROVIDED
AUTO SPRINKLER SYSTEM	YES	YES
STANDPIPE SYSTEMS	YES	YES
PORTABLE FIRE EXTINGUISHERS	YES	YES
FIRE ALARM & DETECTION SYSTEMS	YES	YES
EMERGENCY ALARM SYSTEMS	YES	YES
SMOKE CONTROL SYSTEMS	YES	YES
SMOKE & HEAT VENTS	YES	YES
FIRE COMMAND CENTER	YES	YES

FIRE & SMOKE PROTECTION FEATURES

ASSEMBLY	FIRE-RESISTANCE	LOCATION
FIRE WALL	2 HOURS	LINK - BETWEEN (SOUTH WING) FA-12 & GYMNASIUM ADDITION
	(NYS BC TABLE 706.4, 707.3.10)	

*** SEE DWG CC002 FOR LOCATION OF FIRE-RESISTANCE-RATED CONSTRUCTION ***

ORANGE-ULSTER BOCES

ARDEN HILL -
MAIN BUILDING
ADDITIONS AND
ALTERATIONS
4 HARRIMAN DRIVE
GOSHEN, NY 10924



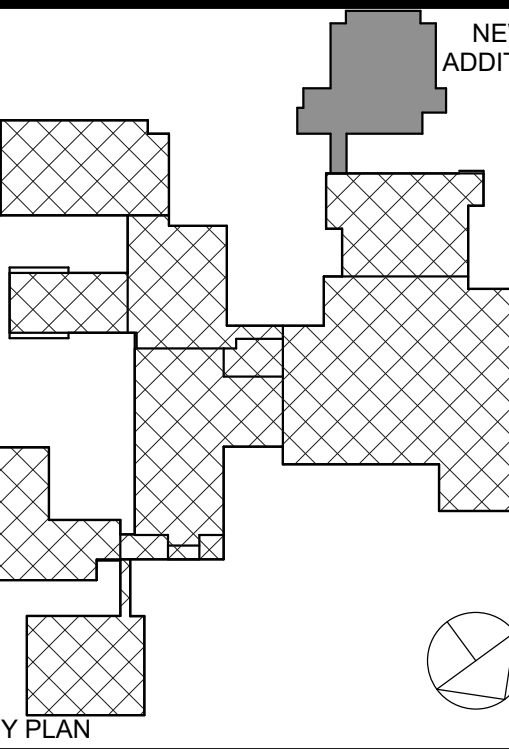
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NY SED PROJECT CONTROL NO.#

44-90-00-00-0-035-010

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Professional Seal

2	01/09/2025	ISSUED FOR BID
1	01/26/2024	SED SUBMISSION
No.	Date	Issue

Sheet Title

GENERAL INFORMATION

Job No. 2023-1012 Date 01/26/2024

Scale Drawn / Checked Author Checker

Sheet Number

G001

DOOR CAPACITY CALCULATIONS (GENERAL)

1296 FLOOR OCCUPANTS x .20' = 260'
164 SEATED OCCUPANTS x .30' = 50'
310' TOTAL

310' TOTAL / 4 DOORS = 77' WIDE / 2 DOORS PER = 38.5' WIDE PER DOOR PANEL REQUIRED.
DOUBLE DOORS WITH CENTER MULLIONS ARE PROVIDED.
EACH DOOR PANEL IS 41" WIDE OR 38.75' CLEAR.

GYMNASIUM BUILDING PLUMBING FIXTURE COUNT

TYPE	REQ. FIXTURES			PROVIDED FIXTURES							
				NEW ADDITION				EXISTING 1ST FLOOR			
	MALE	FEMALE	TOTAL	MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX	TOTAL
TOILETS ₍₁₎ URINALS _(1/2)	7	12	19	3 ₍₁₎ + 2 ₍₁₎	5	2		3 ₍₁₎ + 3 ₍₁₎	6	4	29
LAVATORIES	4	4	8	4	4	2		3	3	4	20
DRINKING FOUNTAINS		4			4				NA		4
SERVICE SINK		1			1				NA		1

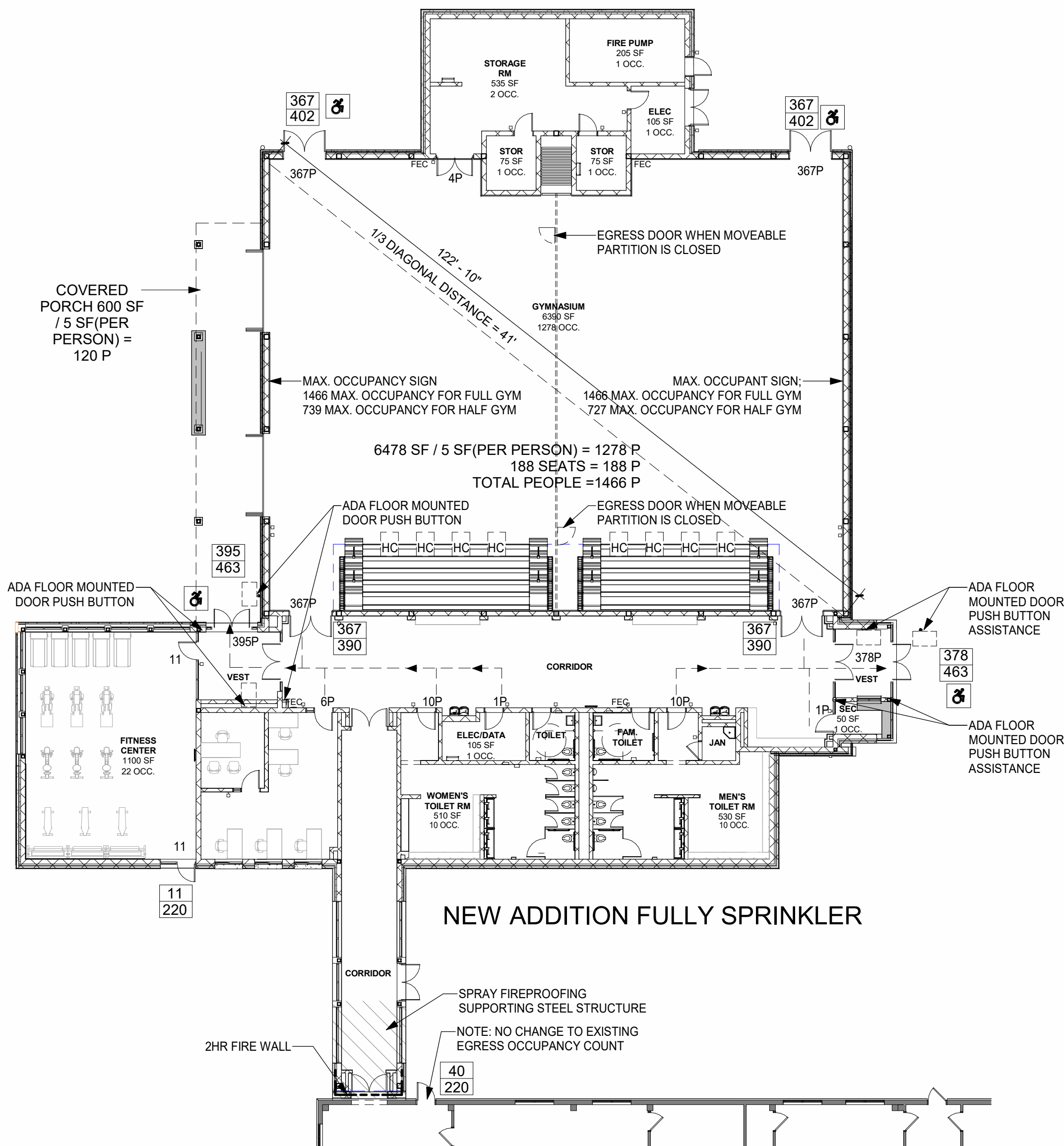
NEW ADDITION DOES NOT HAVE THE REQUIRED AMOUNT PLUMBING FIXTURES. THERE ARE ADDITIONAL EXISTING PLUMBING FIXTURES IN THE EXISTING SCHOOL BUILDING MADE AVAILABLE FOR USE DURING LARGE EVENTS.

SEE LEVEL 1 OVERALL PLAN ON CC-2 FOR EXISTING RESTROOMS USED FOR FIXTURE COUNTS.

CALC IS BASED ON FULL TIME OCCUPANCY OF THE NEW ADDITION
(ASSUME WHEN THIS SPACE IS OCCUPIED, OTHER SPACES ARE NOT)

OCCUPANCY TOTAL = 1522 (ASSUME 761 MEN & 761 WOMEN)

1 WATER CLOSET FIXTURE (MALE) PER 125 OCCUPANTS.
1 WATER CLOSET FIXTURE (FEMALE) PER 65 OCCUPANTS.
1 LAVATORY PER 200 OCCUPANTS.
1 DRINKING FOUNTAIN 1 PER 500 OCCUPANTS.
1 SERVICE SINK



1 GYMNASIUM FLOOR PLAN - OCCUPANCY DIAGRAM
1/16" = 1'-0"

GENERAL PHASING, STAGING, & EGRESS/ACCESS NOTES:
1. STAGING AREAS: GENERAL CONTRACTOR TO PROVIDE TEMPORARY CONSTRUCTION ROAD / LAYDOWN AREAS. ALL AREAS TO BE RESTORED AS REQUIRED.
2. TEMPORARY BARRIERS: PROVIDE 1-HOUR RATED HOLLOW METAL DOORS AND FRAME WITH SECURE (LOCKABLE) HARDWARE SET FOR CONTRACTOR ACCESS WITHIN 1-HOUR RATED WALL ASSEMBLY. RENTAL TYPE FENCING REQUIRED TO GROUND. PROVIDE TWO (2) 24" OPENING FOR CONTRACTOR USE AND ONE (1) 24" OPENING FOR TRUCK USE.
3. AREAS SHOWN ON PHASING PLANS TO REMAIN CLEAR SHALL REMAIN FULLY CLEAR OF ANY DEBRIS, MATERIALS, EQUIPMENT, ETC. CONTRACTORS SHALL COORDINATE WITH DISTRICT FOR USE OF ELEVATORS AND LOADING DOCK AREA.
4. PROVIDE TEMPORARY PROTECTION OF FLOORING, WALLS, STAIRS, FINISHES, EQUIPMENT, SIGNAGE, ROAD, LANDSCAPING, ETC. ALONG AREAS OF ENTRY/EXIT TO WORK AREA. PATCH AND REPAIR WITH MATCHING MATERIALS/FINISHES AS REQUIRED. MAINTAIN EXISTING CEILING, LIGHTING, AND EQUIPMENT AS REQUIRED FOR RECONFIGURED SPACES UNTIL INSTALLATION OF FINISHED CEILING AND LIGHT FIXTURES.

ATTENTION:
AUTHORIZED PERSONNEL ONLY
SAFETY STARTS HERE

Jobsite Requirements:

- All visitors must check in at the project office where identification badges will be issued.
- All accidents must be reported to project managers immediately.
- Material Safety Data Sheets are required for all materials brought onto the jobsite.

Jobsite Rules:

- Processing and/or working under the influence of drugs and/or alcohol is prohibited.
- No firearms or weapons of any kind are permitted on site.
- Hard hats must be worn at all times.
- Protective eye wear is required.
- No smoking.
- No loitering.
- All trade persons must wear shirts with sleeves, long pants, and proper footwear.

ANY PERSONS FOUND IN VIOLATION OF THESE REQUIREMENTS WILL BE REMOVED FROM THE JOBSITE AT THE DISCRETION OF THE PROJECT MANAGER

5 JOBSITE RULES SIGN DETAIL
SCALE: NTS

4 SITE PLAN
SCALE: 1/64" = 1'-0"

ORANGE-ULSTER BOCES
ARDEN HILL -
MAIN BUILDING
ADDITIONS AND
ALTERATIONS
4 HARRIMAN DRIVE
GOSHEN, NY 10924

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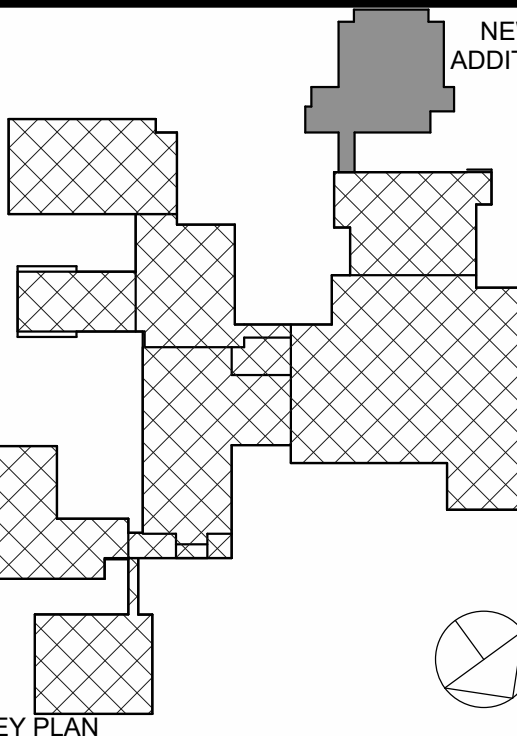
NY SED PROJECT CONTROL NO. #

44-90-00-00-0-035-010

ISSUED FOR BID

EGRESS LEGEND

----- PATH OF EGRESS
--> DIRECTION OF TRAVEL
305 EXISTING EXIT CAPACITY
343 ACTUAL LOAD
MAXIMUM LOAD
XX OCC OCCUPANT LOAD PER ROOM
ADA ACCESSIBLE ENTRY/EGRESS



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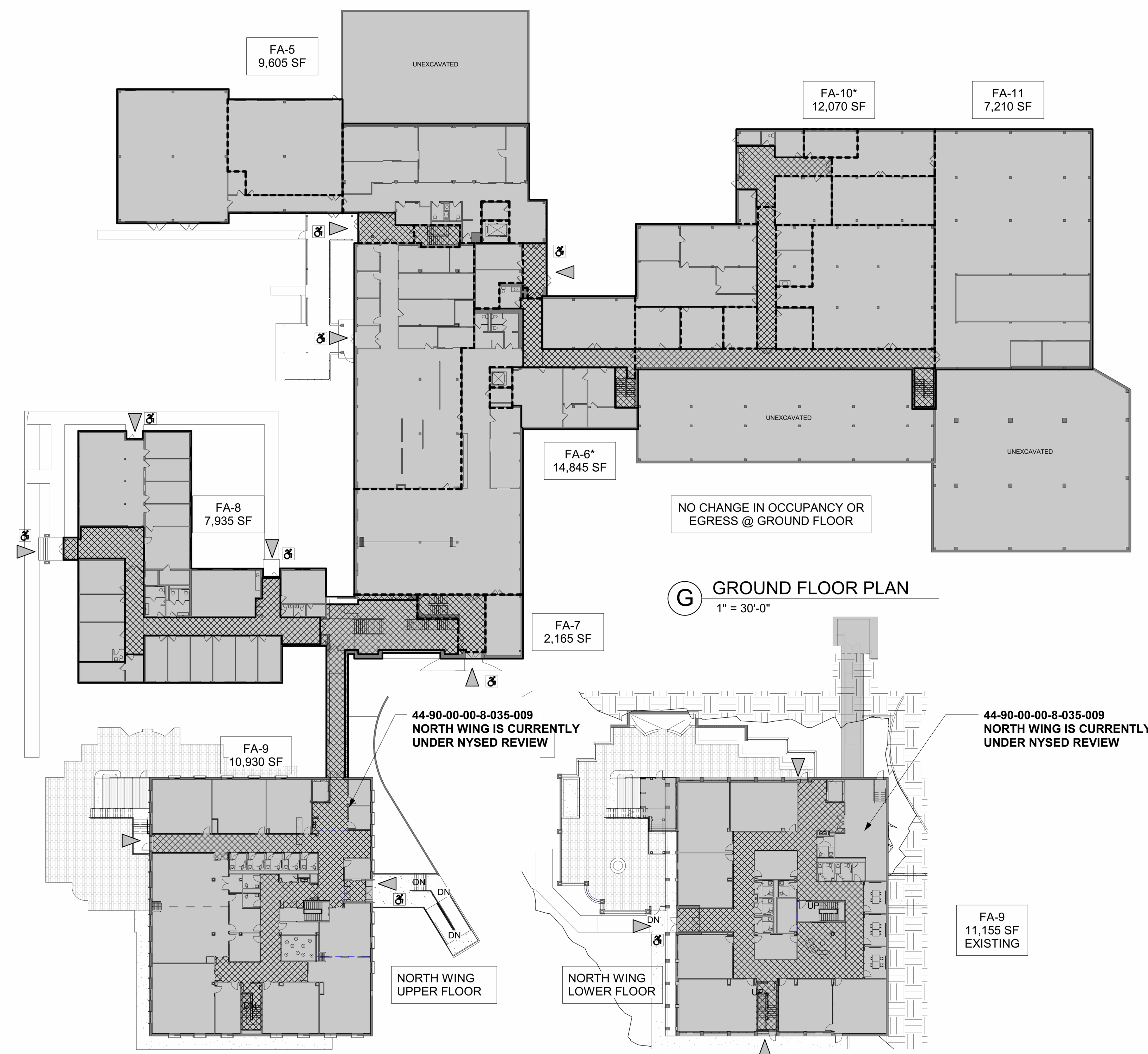
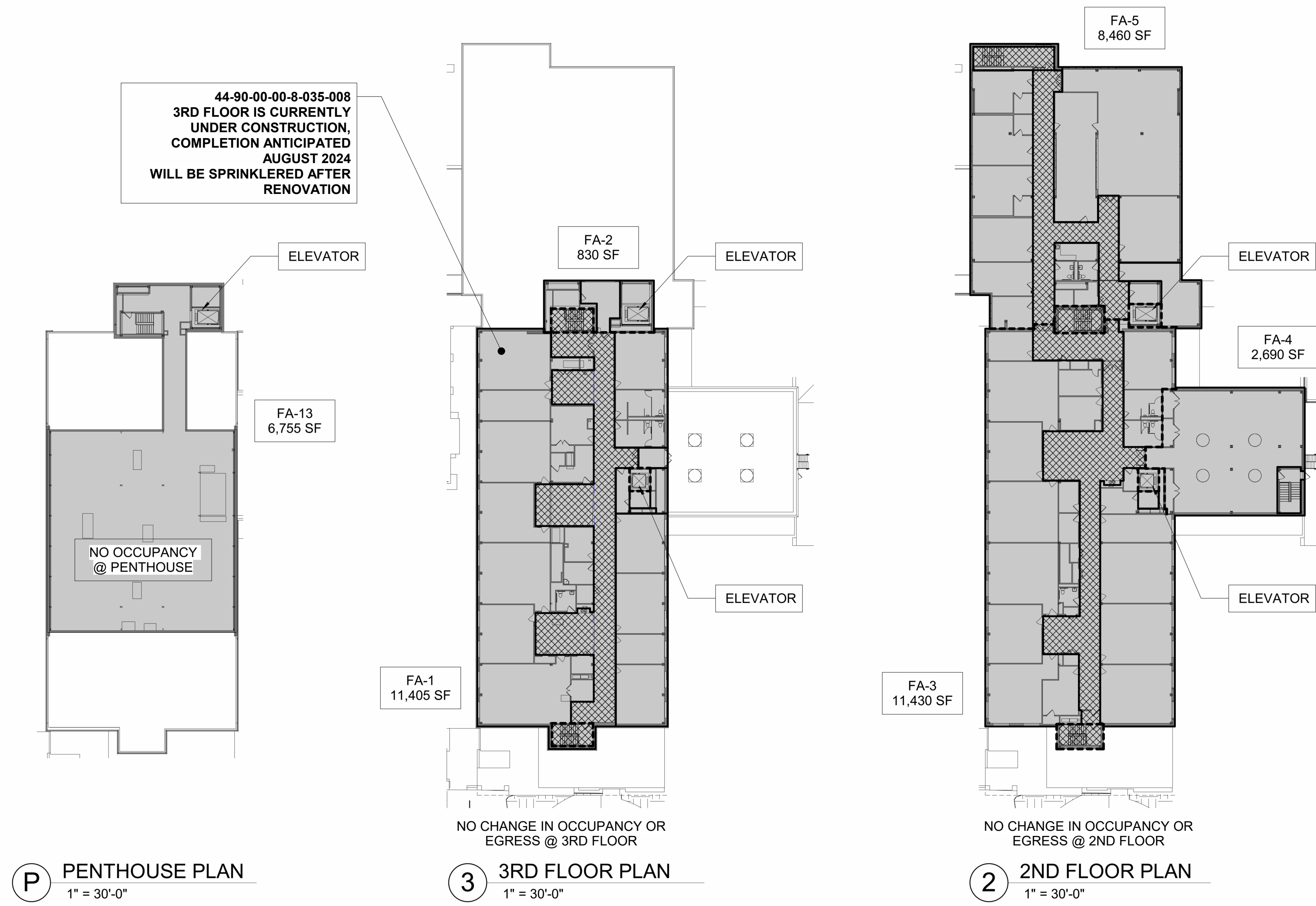
Professional Seal

CODE COMPLIANCE
(OCCUPANCY) / SITE
PLAN

Job No. 2023-1012 Date 01/26/2024
Scale Drawn / Checked
Author Checker

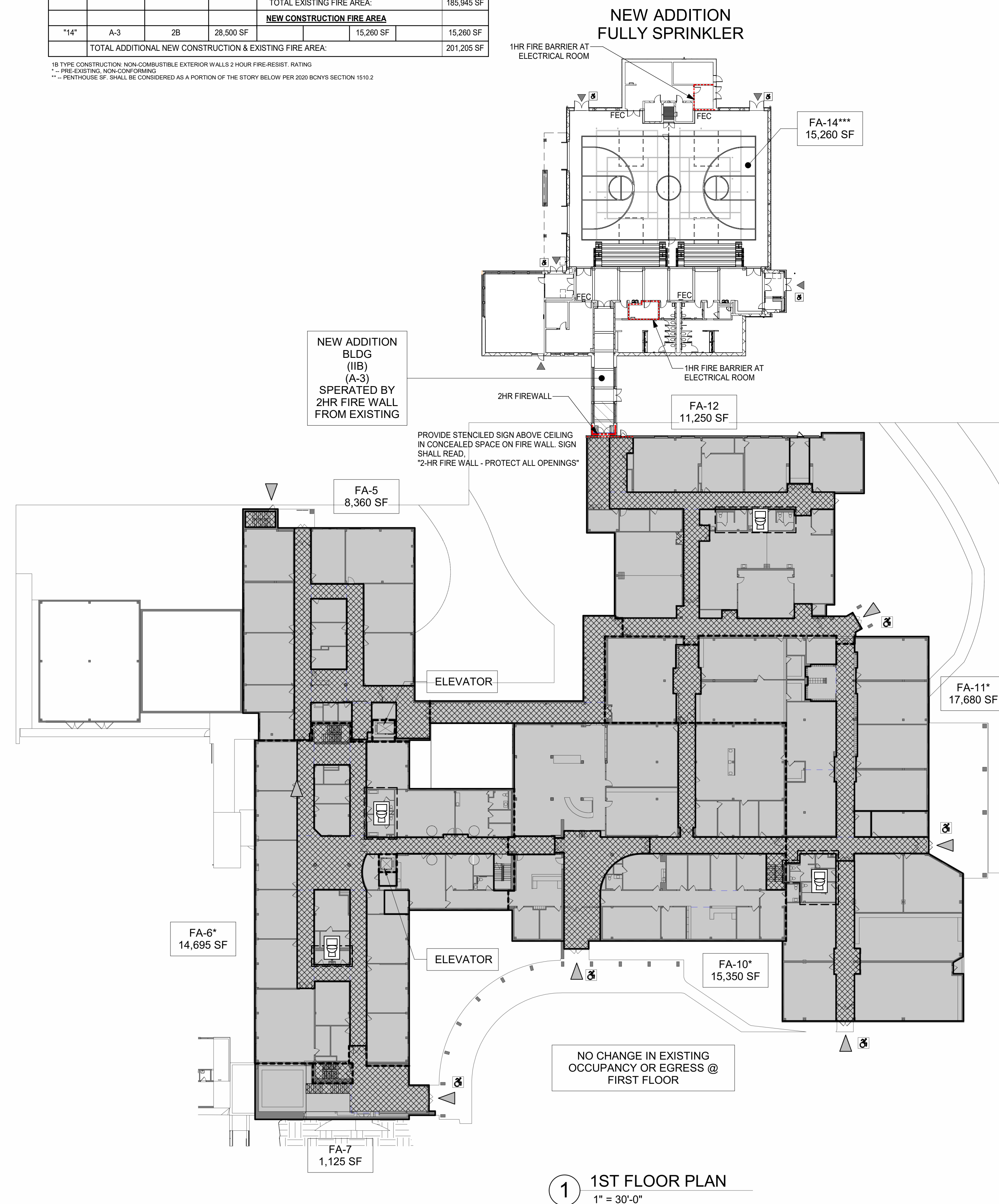
Sheet Number

CC-1



FIRE AREAS	OCCUPANCY TYPE	BLDG CONSTRUCTION TYPE	PERMITTED FLR AREA	EXISTING ACTUAL FIRE AREA				
				LOWER	GROUND	1st FLR	2nd FLR	3rd FLR
1	E	1B						11,405 SF
2	E	1B						830 SF
3	E	1B					11,870 SF	
4	E	1B					2,875 SF	
5	E	1B			9,605 SF	8,360 SF	8,750 SF	
6	E	1B	UNLIMITED		14,845 SF*	14,695 SF*		
7	E	1B			2,165 SF	1,125 SF		
8	E	1B			7,935 SF			
9	E	1B		11,115 SF	10,930 SF	15,350 SF*		
10	E	1B			12,070 SF*			
11	E	1B			7,210 SF	17,680 SF*		
12	E	1B				11,230 SF		
13	E	1B						6,755 SF**
				11,115 SF	64,760 SF	68,460 SF	22,580 SF	18,990 SF**
				TOTAL EXISTING FIRE AREA:				
				NEW CONSTRUCTION FIRE AREA				
14	A-3	2B	28,500 SF			15,260 SF		15,260 SF
				TOTAL ADDITIONAL NEW CONSTRUCTION & EXISTING FIRE AREA:				

1B TYPE CONSTRUCTION: NON-COMBUSTIBLE EXTERIOR WALLS 2 HOUR FIRE-RESIST. RATING
** - PRE-EXISTING, NON-COMBUSTIBLE
*** - PENTHOUSE SF. SHALL BE CONSIDERED AS A PORTION OF THE STORY BELOW PER 2010 BCNY SECTION 1510.2



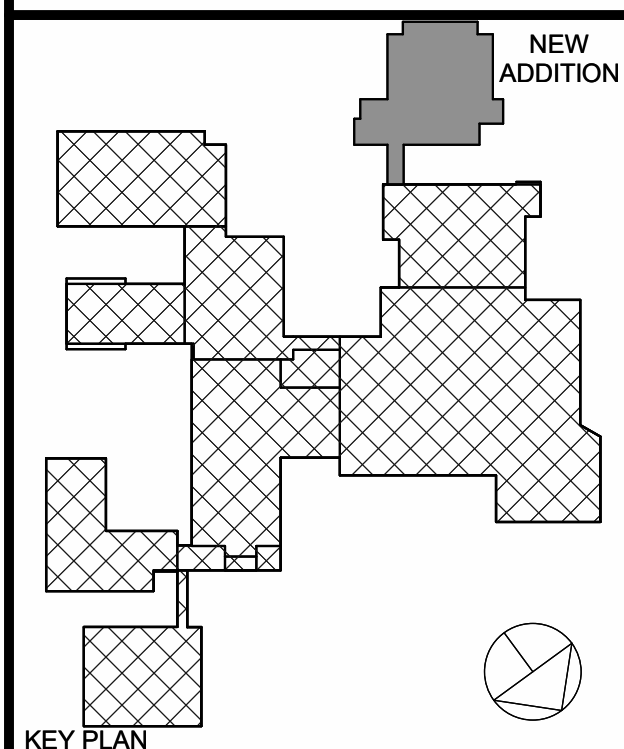
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NY SED PROJECT CONTROL NO.#
44-90-00-00-0-035-010

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LEGEND	
	EXISTING CONSTRUCTION
	2hr FIRE WALL
	2hr FIRE BARRIER
	1hr FIRE BARRIER
	MAX TRAVEL DISTANCE
	OCCUPANT LOAD ON PATH
	OCCUPANCY LOAD
	MAXIMUM CAPACITY
	RESCUE WINDOW
	ADA ACCESSIBLE EXIT
	FIRE EXTINGUISHER CABINET
	EXISTING RESTROOMS USED FOR FUTURE COUNTS



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No.	Date	Issue

Sheet Title

CODE COMPLIANCE

Job No.	2023-1012	Date	01/26/2024
Scale	AS NOTED	Drawn / Checked	Author / Checker
Sheet Number			

CC-2

**ARDEN HILL -
MAIN BUILDING
ADDITIONS AND
ALTERATIONS**
4 HARRIMAN DRIVE
GOSHEN, NY 10924



44-90-00-00-0-035-010

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No.	Sheet	Issued
Sheet Title		

Job No.	Date
2023-1012	01/26/2024

AS NOTED	Author Checker
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CC-3

Page 10

3RD FLOOR (4)

SECOND FLOOR (3)

1ST FLOOR (2)

GROUND FLOOR (1)

LOWER LEVEL

BUILDING INFORMATION FLOOR PLANS

FIRE AREA FLOOR PLANS

BUILDING INFORMATION	CONSTR. TYPE
1965 ORIGINAL BUILDING	1B
1969 NORTH WING	1B
1972 EAST WING	1B
1975 ADDITION	1B
1990 ADDITION	1B
1994 ADDITION	1B
2012 ADDITION	1B
NEW ADDITION	2B

1B TYPE CONSTRUCTION: NON-COMBUSTIBLE EXTERIOR WALLS 2 HOUR FIRE-RESIST. RATING
 * -- PRE-EXISTING, NON-CONFORMING
 ** -- FOR OCCUPANCY GROUP "E"
 *** -- PENTHOUSE SF. SHALL BE CONSIDERED AS A PORTION OF THE STORY BELOW PER 2020 BCNYS SECTION 1510



3RD FLOOR (4)

SECOND FLOOR (3)

1ST FLOOR (2)

GROUND FLOOR (1)

LOWER LEVEL

* DENOTES AREA WITH SPRINKLER
** DENOTES PRE-EXISTING NON-CONFORMING FIRE AREA
*** DENOTES AREA WITH SPRINKLER AFTER CONSTRUCTION

DEVOTED AREA WITH SPRINKLER AFTER CONSTRUCTION

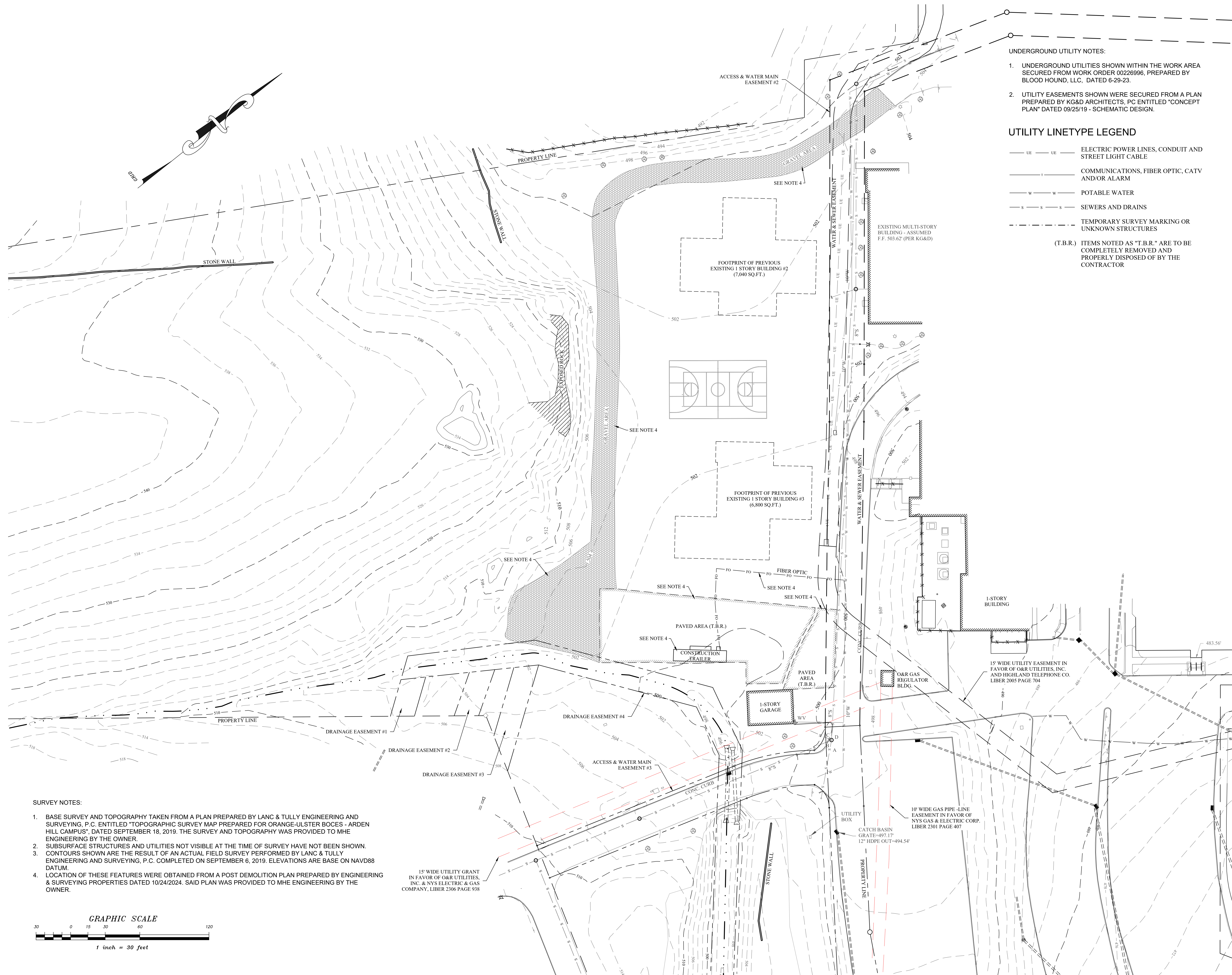
RENOVATION OCCURRING IN F
AREA(S) C, D, & E

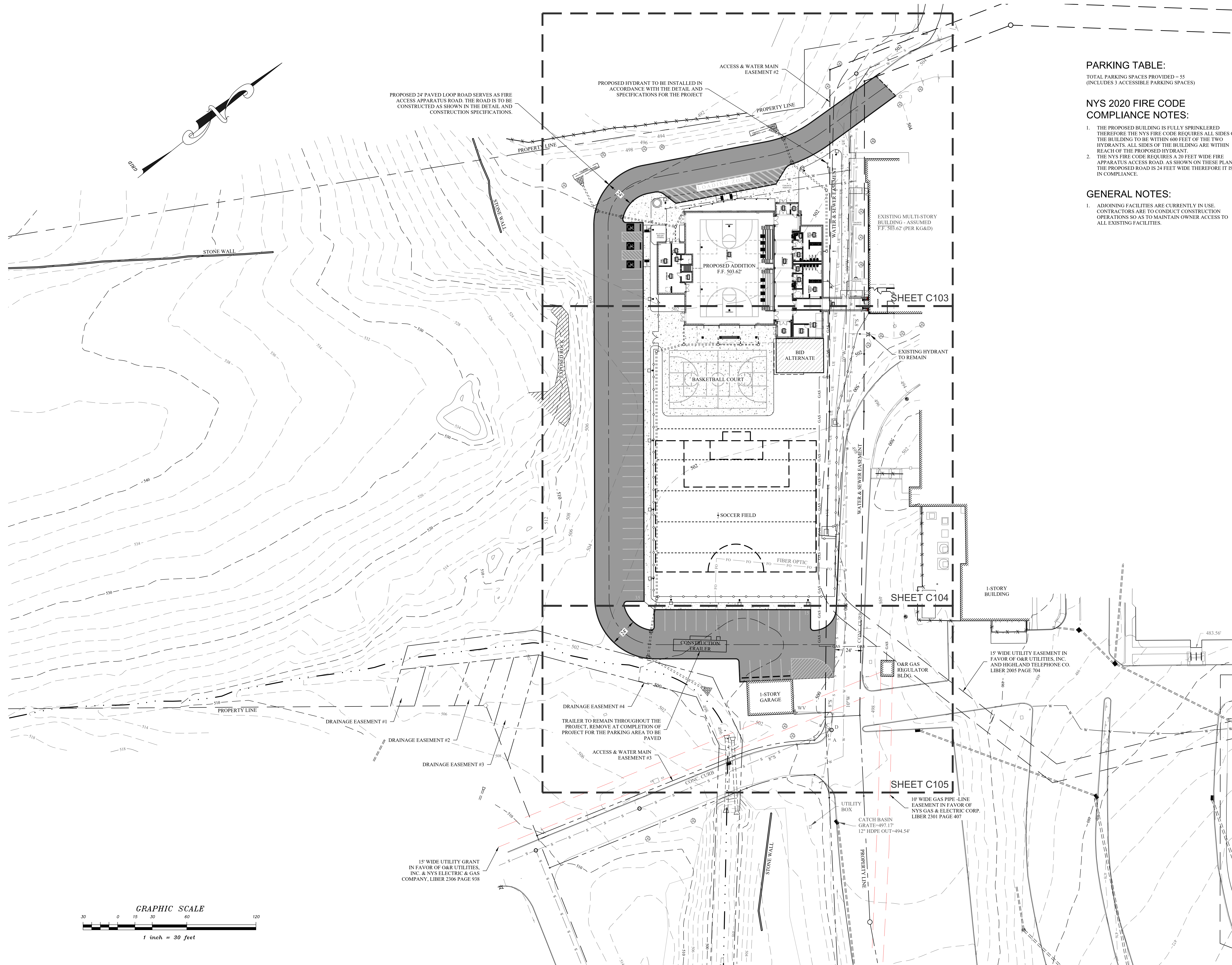
AREA(S) O, P, & R
LESS THAN 12,000 SF - NO

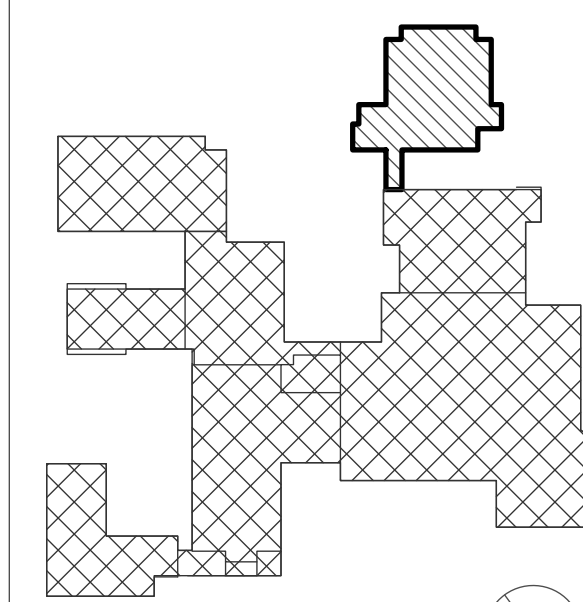
SPRINKLER REQUIRED

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Sheet Title

PROPOSED
SITE PLAN
1 OF 3

Job No. 2023-1012 Date 01/26/24

Scale 1"=10'-0" Drawn / Checked HPG/jr/SMQ

Sheet Number

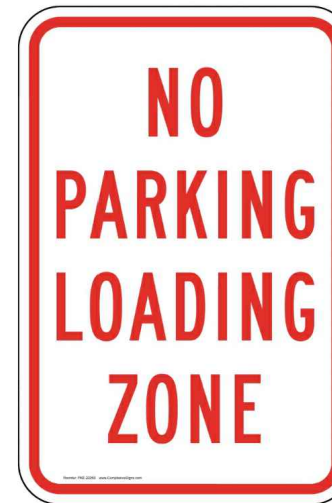
C103



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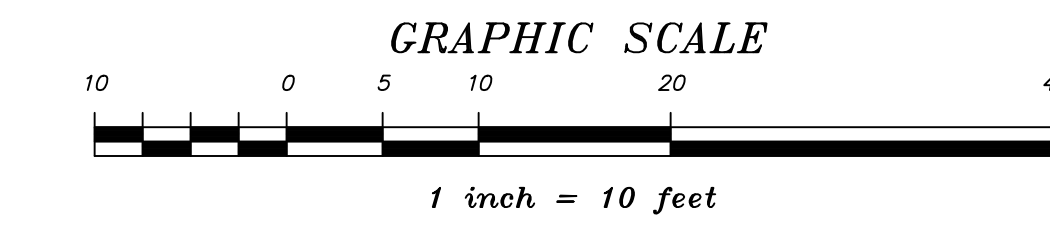
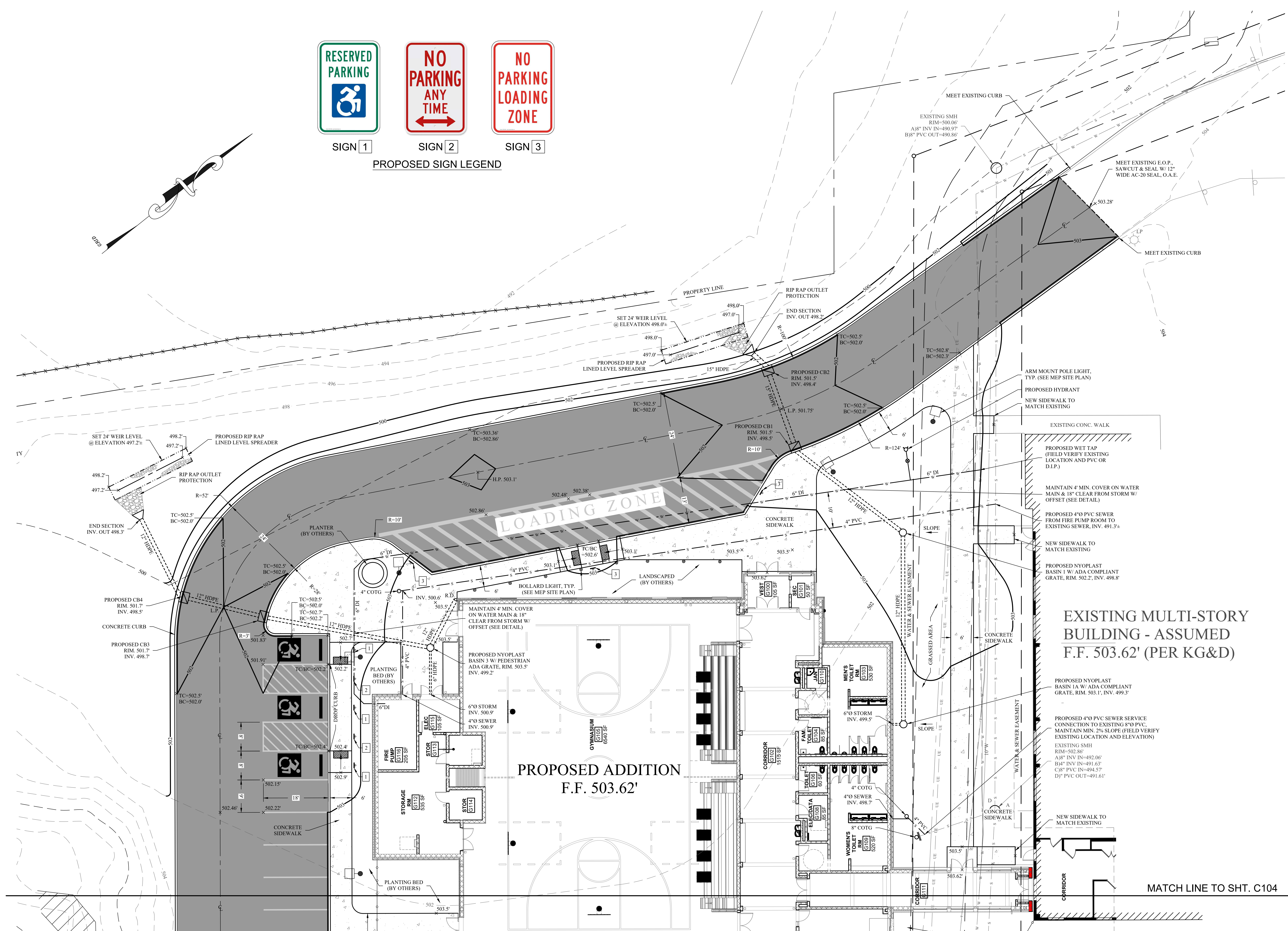


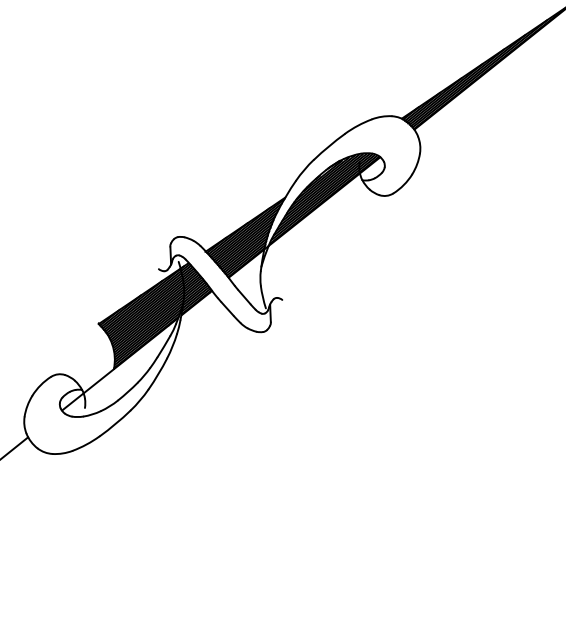
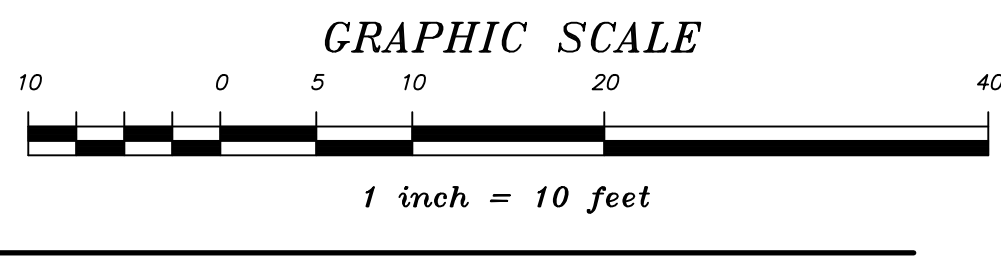
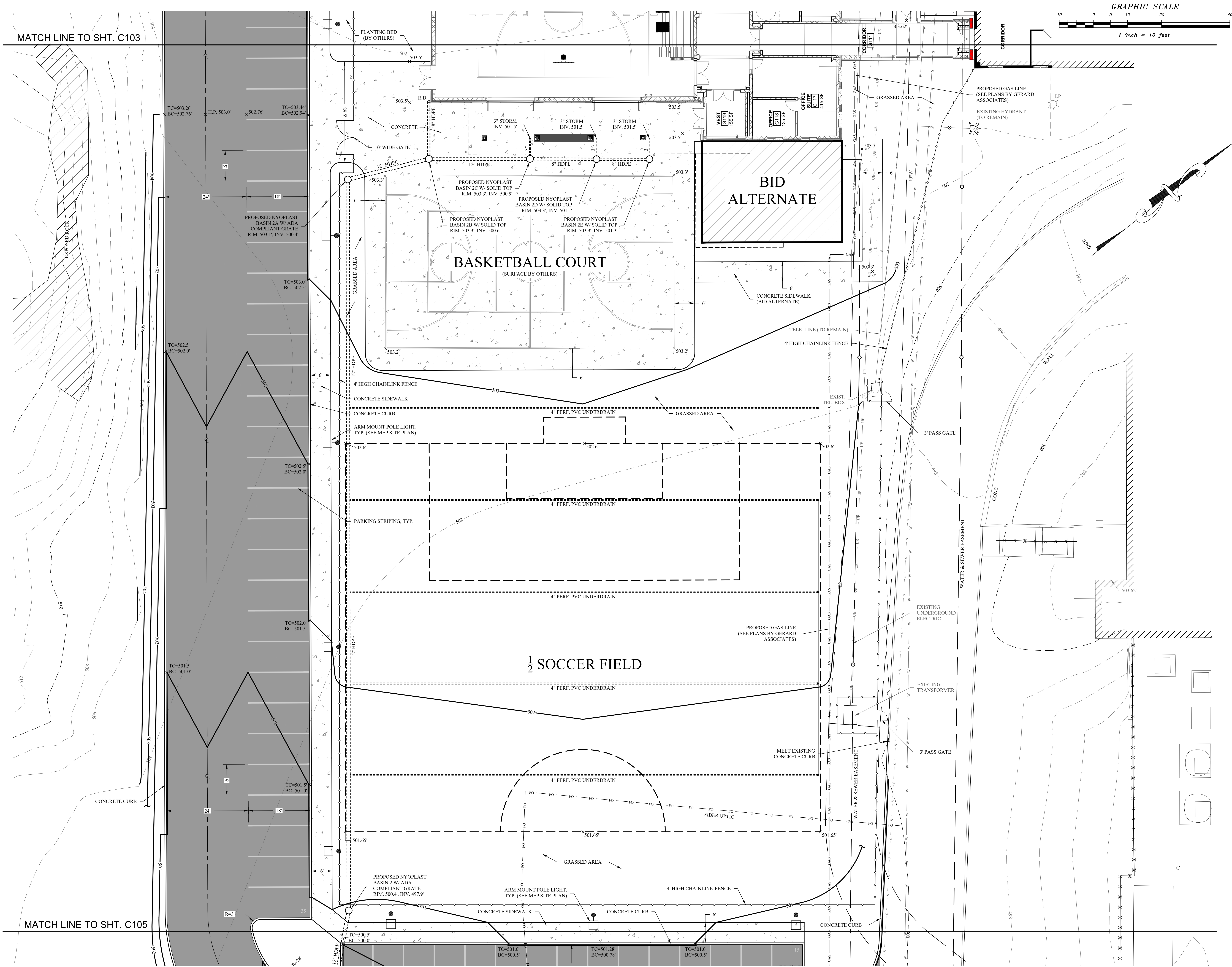
SIGN 2



SIGN 3

PROPOSED SIGN LEGEND





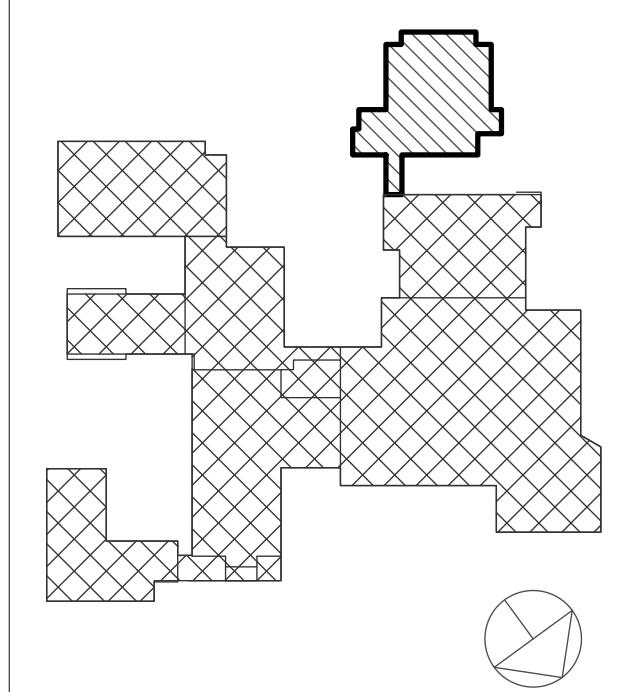
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KEY PLAN
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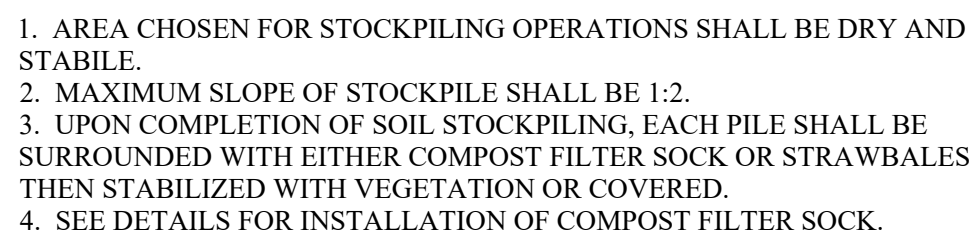
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**PROPOSED
SITE PLAN
2 OF 3**
Job No. 2023-1012 Date 01/26/24
Scale 1"=10'-0" Drawn / Checked HPG/jr/SMQ
Sheet Number
C104



- COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY SOCK SHALL NOT EXCEED THAT SHOWN ON PAGE 5.7 OF THE NYS EROSION AND SEDIMENT CONTROL MANUAL.
- TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
- ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES $\frac{1}{4}$ THE ABOVE GROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE ON THE PLAN.
- SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
- BIODEGRADABLE FILTER SOCK SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, THE STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

1. STONE SIZE = AASHTO #1 ROCK.
2. LENGTH = NOT LESS THAN FIFTY (50) FEET.
3. THICKNESS = NOT LESS THAN EIGHT (8) INCHES.
4. WIDTH = TWENTY (20) FEET MINIMUM, BUT NOT LESS THAN THE FULL WIDTH OF THE ROADWAY AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWELVE (12) FEET IF SINGLE ENTRIES TO SITE.
5. GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. EROSION WARNING IS REQUIRED. IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
10. TEMPORARY CONSTRUCTION ENTRANCES, EXITS AND TEMPORARY ACCESS SHALL BE SUBJECT TO THE APPROVAL OF THE APPROPRIATE AUTHORITIES.



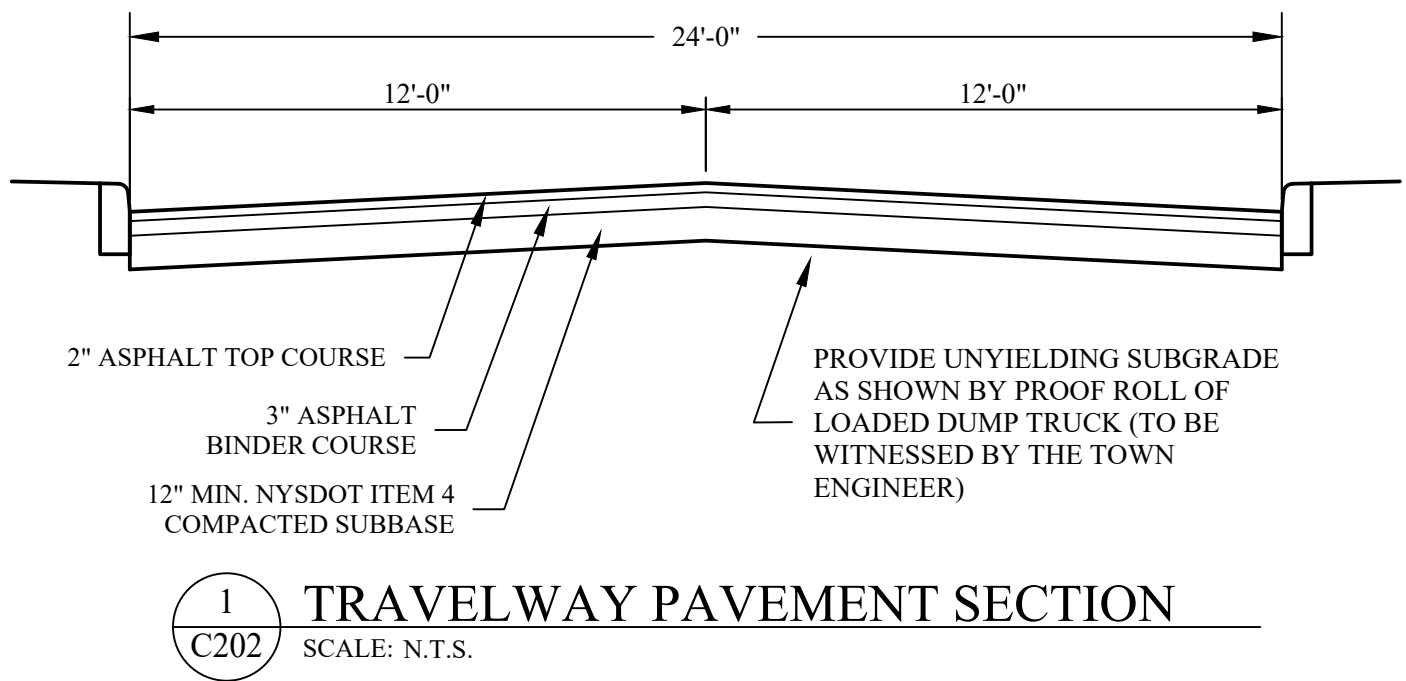
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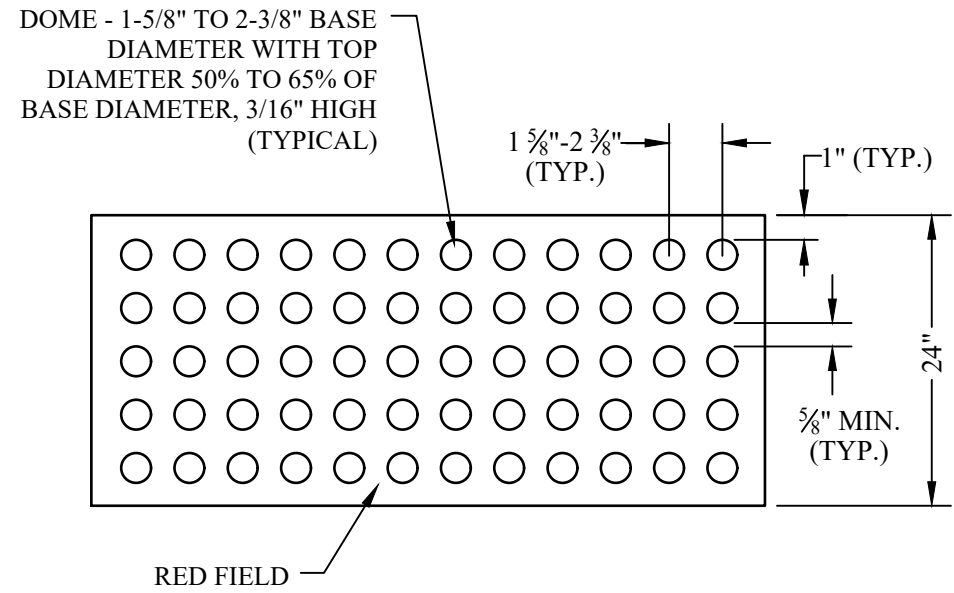
1. THE MATTING SHOULD BE PLACED BENEATH RIP RAP, OVER THE LIP AND BURRED 6 INCHES DEEP IN A VERTICAL TRENCH ON LOWER EDGE, BOTH EDGES AND BE SECURELY HELD IN PLACE WITH CLOSELY SPACED HEAVY DUTY WIRE STAPLES AT LEAST 12 INCHES IN LENGTH.
2. ENSURE THAT THE WEIR IS LEVEL TO UNIFORMLY SPREAD DISCHARGE.
3. THE WEIR SHALL BE CONSTRUCTED ON UNDISTURBED SOIL NOT FILL.
4. THE RUNOFF DISCHARGE WILL BE OUTLETED ONTO A STABILIZED VEGETATED SLOPE.
5. SEED AND MULCH THE DISTURBED AREA IMMEDIATELY AFTER CONSTRUCTION AND APPLY MATTING OVER ALL DISTURBED AREAS AS NEEDED.

LEVEL SPREADER DETAIL

C201



1
C202 TRAVELWAY PAVEMENT SECTION
SCALE: N.T.S.

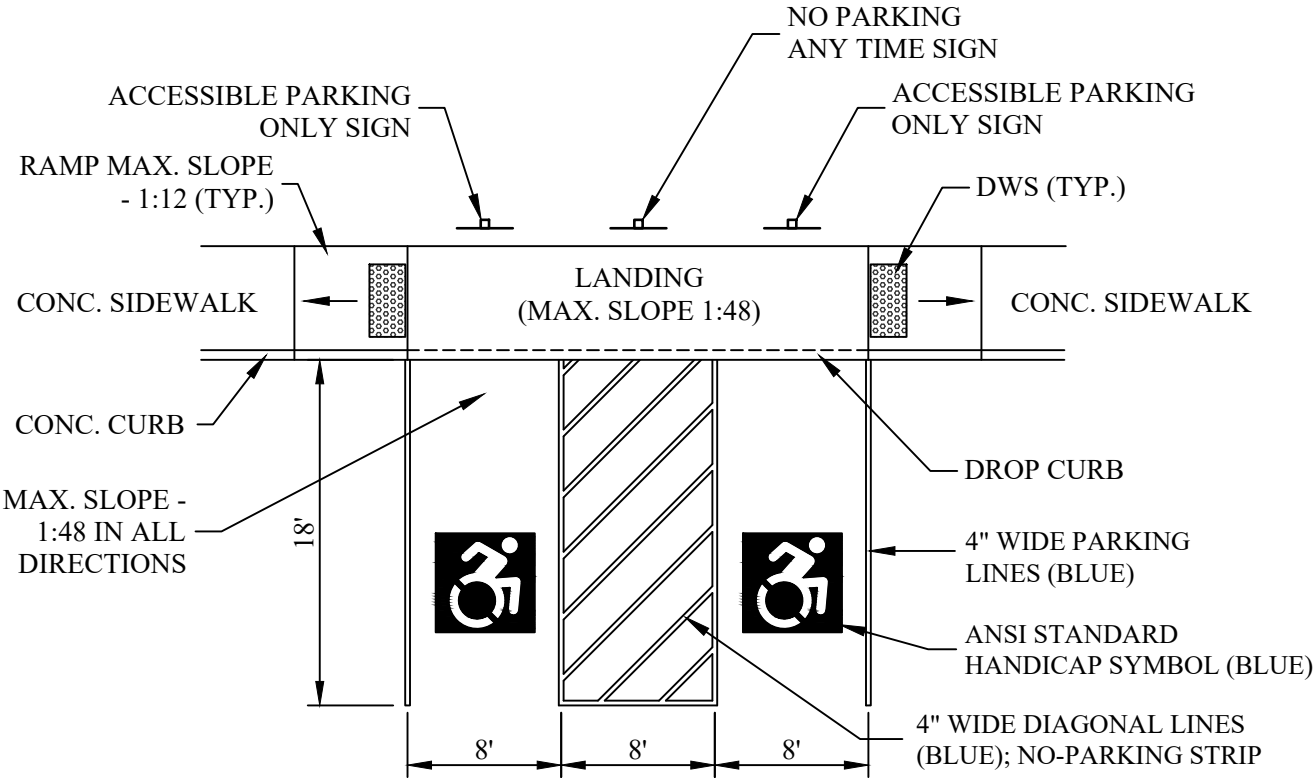


2
C202 DETECTABLE WARNING FIELD DETAIL
SCALE: N.T.S.

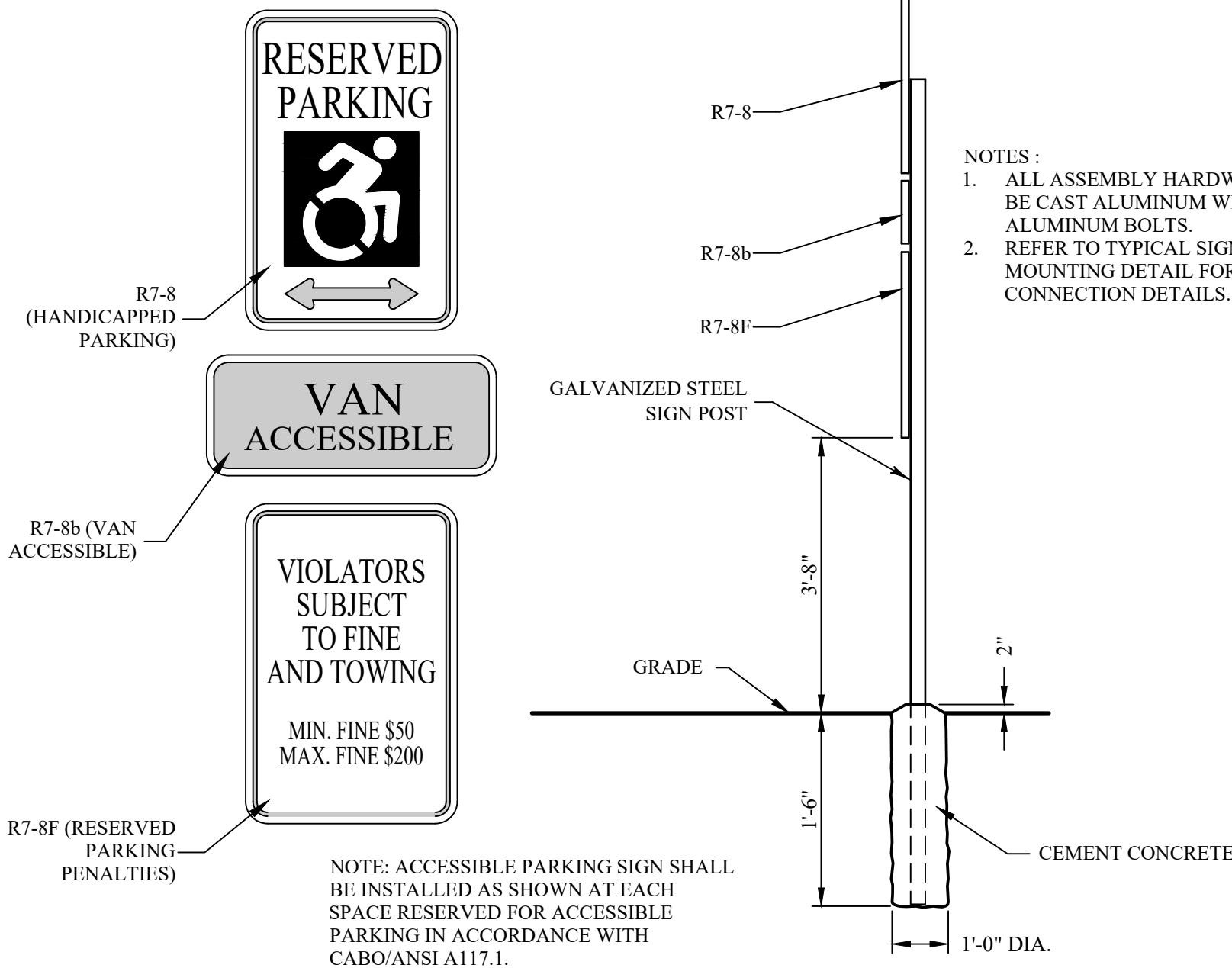
- NOTES:
1. DOMES SHALL BE ALIGNED IN A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL.
 2. FIELD SHALL BE 24" LONG THE ENTIRE WIDTH OF THE CURB RAMP.
 3. THE EDGE OF THE FIELD SHALL BE LOCATED 6" TO 8" FROM THE FACE OF THE CURB OR EDGE OF PAVEMENT.

PARKING AND ACCESSIBILITY NOTES:

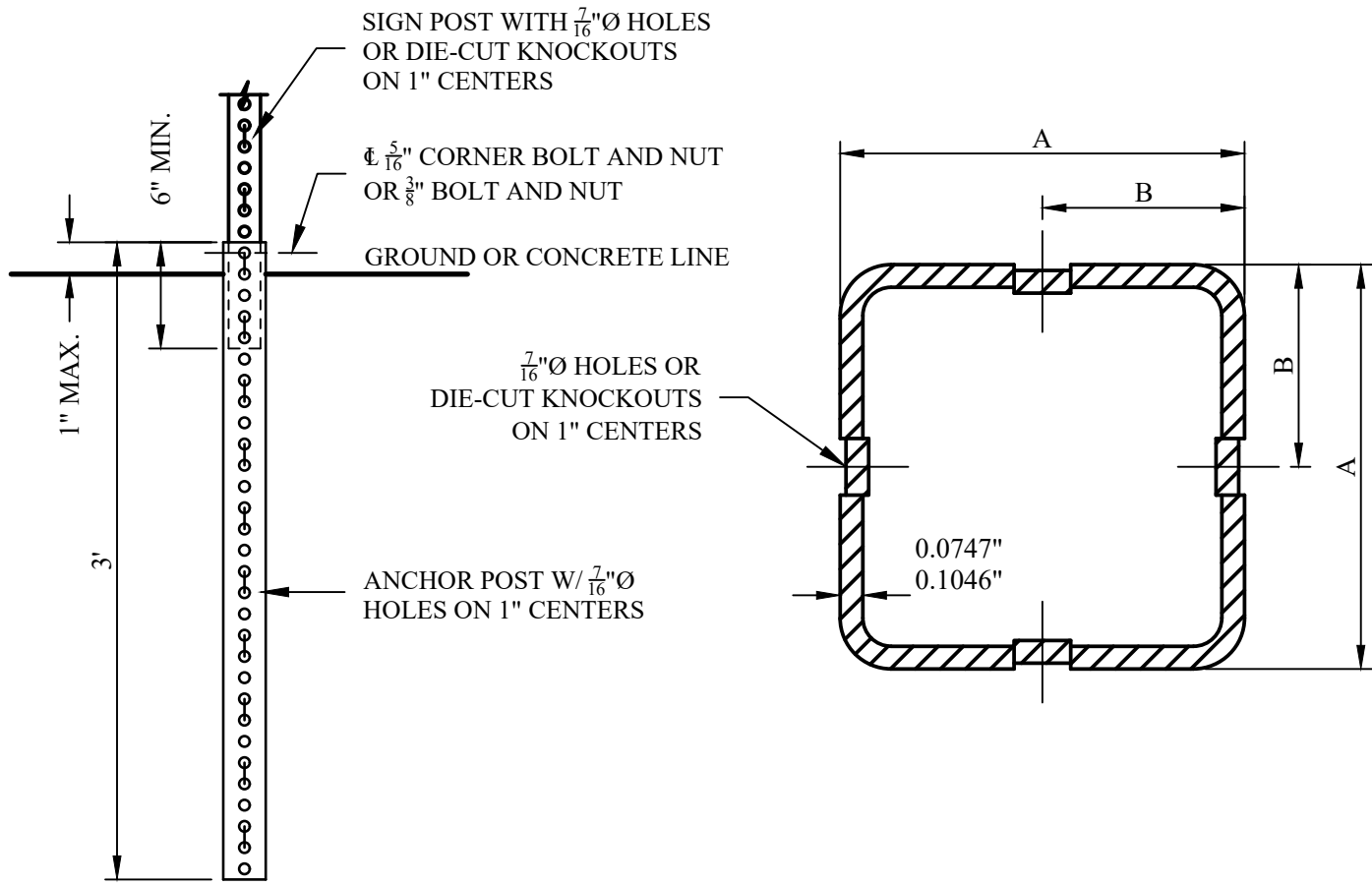
1. ACCESSIBLE PARKING SPACE AND ADJACENT ACCESS AISLE SHALL NOT BE SLOPED STEEPER THAN 1:48 IN ALL DIRECTIONS. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE PARKING SPACES THEY SERVE.
2. ACCESSIBLE ROUTE SHALL NOT HAVE A RUNNING SLOPE STEEPER THAN 1:20. THE CROSS SLOPE OF THE ACCESSIBLE ROUTE SHALL NOT BE STEEPER THAN 1:48 IN ACCORDANCE WITH ICC/ANSI 117.1-2003.
3. ACCESSIBLE PARKING SPACES SHALL BE IN CONFORMANCE WITH ICC/ANSI A117.1 EXCEPT THAT SPACES SHALL BE PROVIDED WITH ACCESS AISLES AT LEAST 8' IN WIDTH.



3
C202 TYPICAL ACCESSIBLE PARKING LAYOUT
SCALE: N.T.S.



5
C202 ACCESSIBLE PARKING SIGN DETAIL
SCALE: N.T.S.



INSTALLATION DETAIL

INSTALLATION INSTRUCTIONS:

1. DETERMINE THE PROPER SIZE AND NUMBER OF SIGN POSTS.
2. PUNCH OUT APPROPRIATE KNOCKOUTS AND ATTACH THE SIGN.
3. DETERMINE THE PROPER SIZE ANCHOR POST FROM THE SQUARE STEEL POSTS TABLE ON THIS SHEET.
4. DRIVE THE ANCHOR POST INTO THE GROUND, USING THE APPROPRIATE SIZE DRIVE CAP, UNTIL ONLY ONE HOLE REMAINS ABOVE THE GROUND OR FINISHED ELEVATION OF THE CONCRETE.
5. PUNCH OUT THE SIXTH KNOCKOUTS FROM THE BOTTOM OF THE SIGN POST.
6. SLIDE A MINIMUM OF 6" OF THE SIGN POST INTO THE ANCHOR POST.
7. ATTACH THE SIGN POST TO THE ANCHOR POST WITH ONE 3/8" CORNER BOLT AND NUT (OR ALTERNATELY ONE 1/2" BOLT AND NUT) THROUGH THE TOP HOLE OF THE ANCHOR POST.
8. TIGHTEN THE BOLT AND NUT BY THE TURN-OF-NUT METHOD. BRING NUT TO A SNUG CONDITION TO ENSURE THAT ALL PARTS ARE BROUGHT TOGETHER INTO FULL CONTACT WITH EACH OTHER, THEN TIGHTEN AN ADDITIONAL 1/4 TURN.

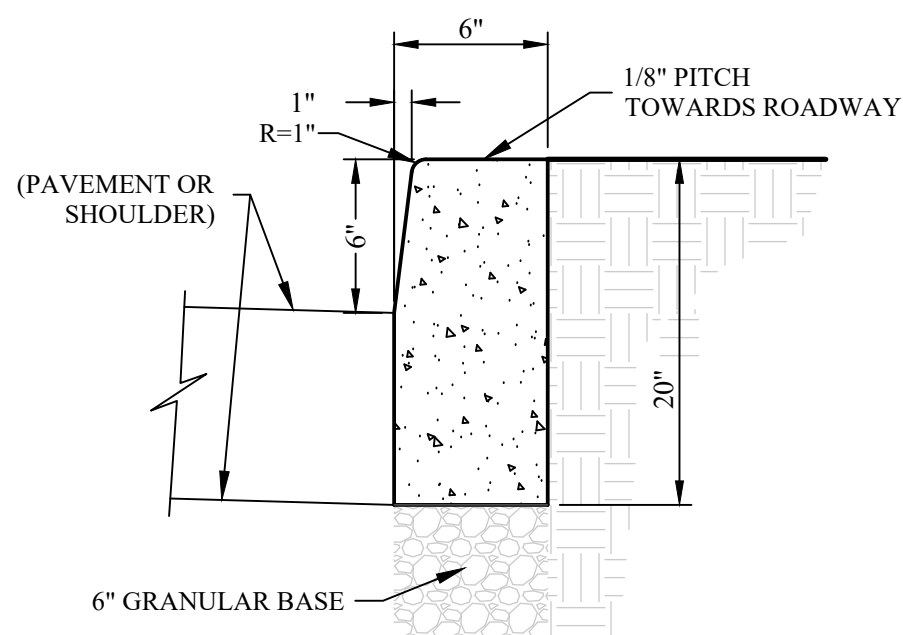
INSTALLATION IN CONCRETE:

INSTALL, AS NOTED ABOVE, BUT PLACE A 18" LONG ANCHOR SLEEVE OUTSIDE THE ANCHOR POST SO THAT THE TOPS OF THE ANCHOR POST AND ANCHOR SLEEVE ARE EVEN. SELECT THE PROPER SIZE ANCHOR SLEEVE FROM THE SQUARE STEEL POSTS TABLE ON THIS SHEET.

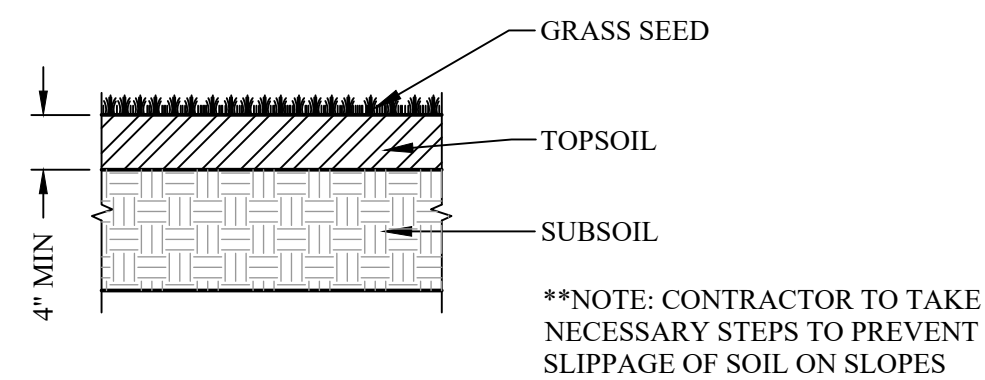
SIGN POST				ANCHOR POST				ANCHOR SLEEVE*				SPUCE SLEEVE			
SIZE	A	B	THICK.	SIZE	A	B	THICK.	SIZE	A	B	THICK.	SIZE	A	B	THICK.
1.75"	1.75"	0.875"	0.0747"	2.00"	2.00"	1.000"	0.1046"	2.25"	2.25"	1.125"	0.1046"	1.50"	1.50"	0.750"	0.0747"
2.00"	2.00"	1.000"	0.0747"	2.25"	2.25"	1.125"	0.1046"	2.50"	2.50"	1.250"	0.1046"	1.75"	1.75"	0.875"	0.0747"
2.25"	2.25"	1.125"	0.00747"	2.50"	2.50"	1.250"	0.1046"	3.00"	3.00"	1.500"	0.1875"	2.00"	2.00"	1.000"	0.0747"

*ONLY REQUIRED FOR INSTALLATIONS IN CONCRETE.

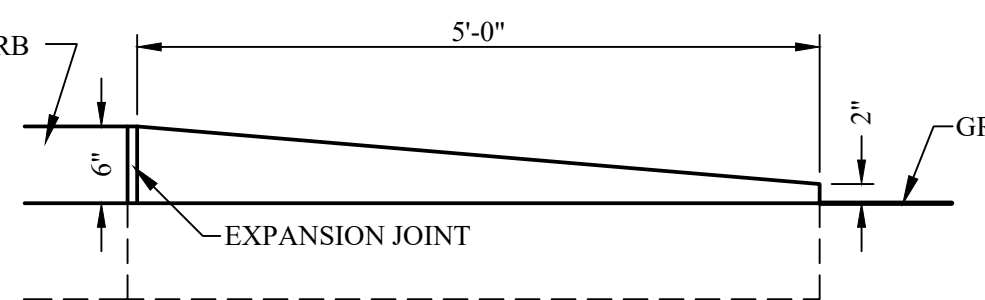
4
C202 SQUARE STEEL POSTS - SYSTEM A
SCALE: N.T.S.
0.1046" AND 0.0747" - 60 KSI



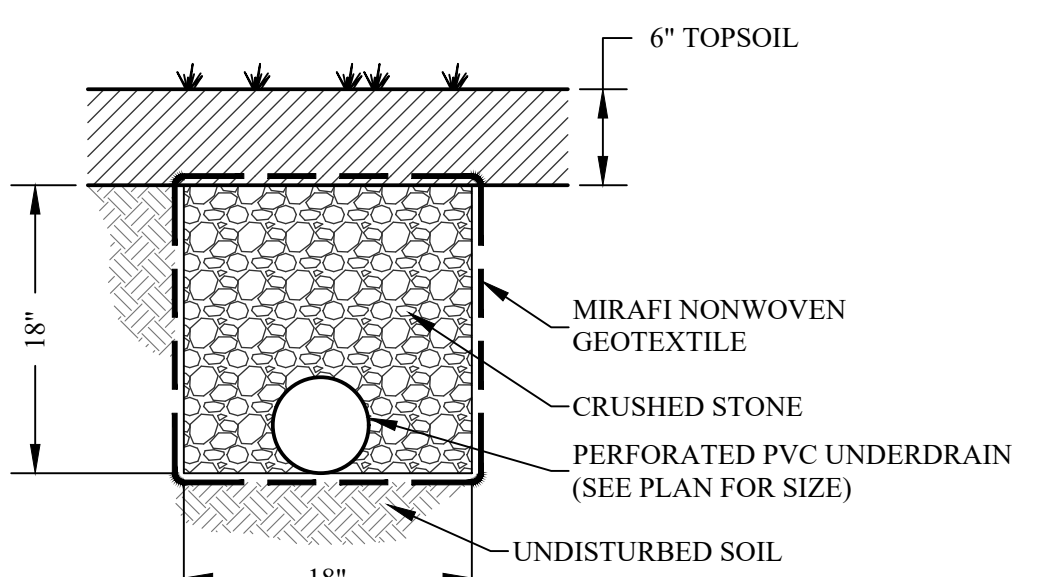
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C202 CONCRETE CURB DETAIL
SCALE: N.T.S.



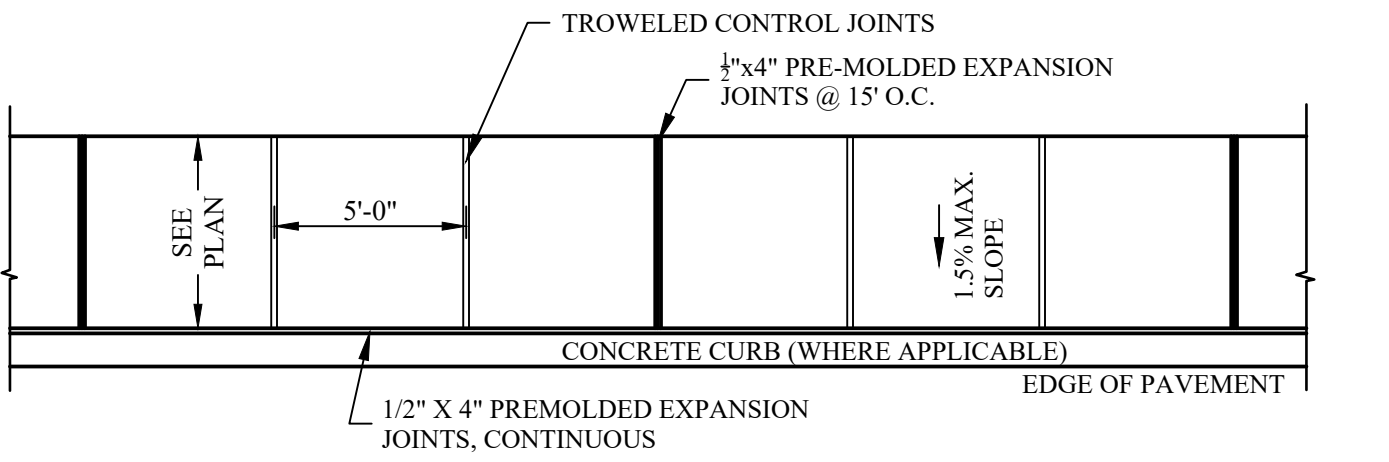
7
C202 TYPICAL TOPSOIL AND SEED DETAIL
SCALE: N.T.S.



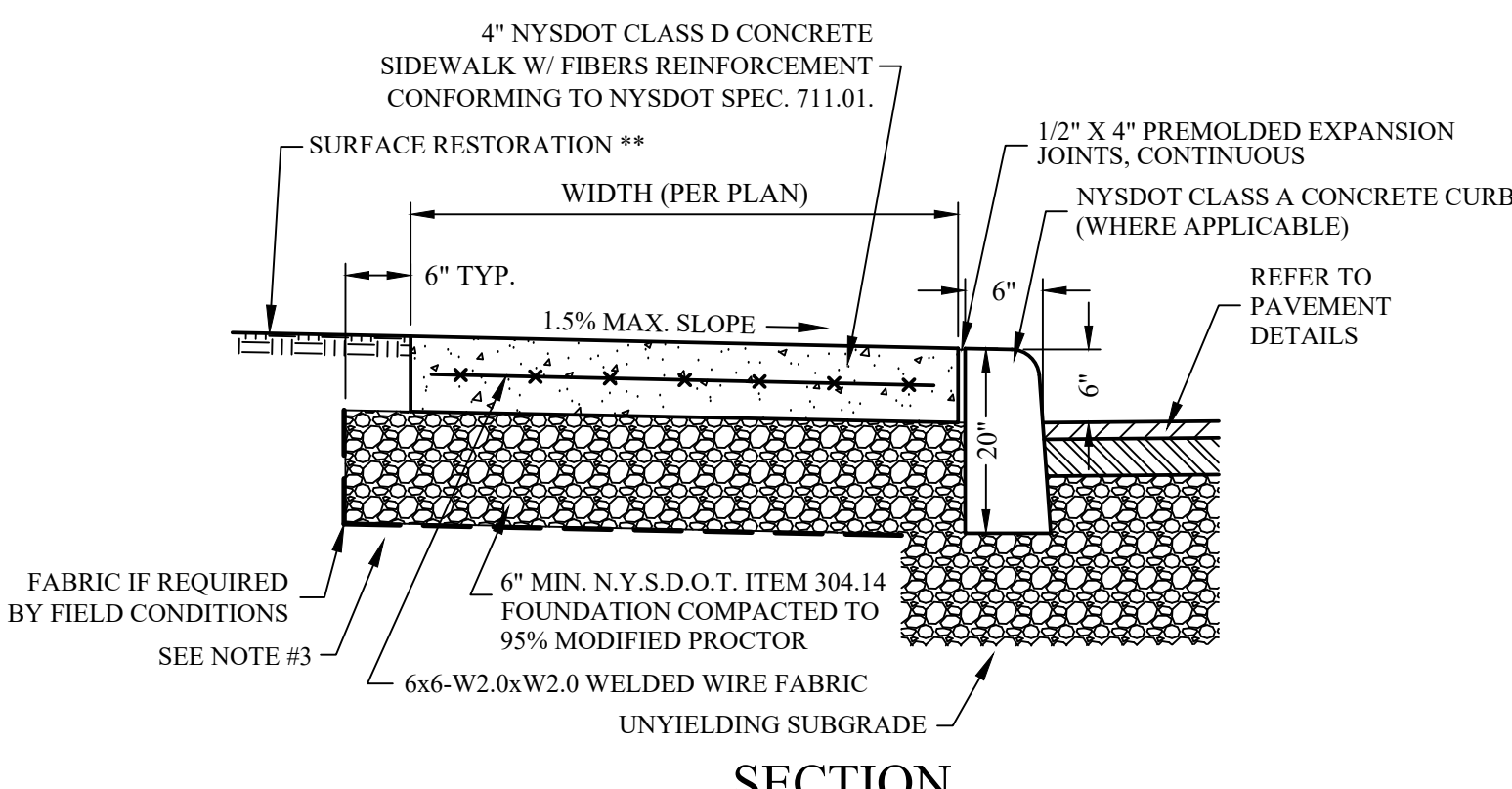
8
C202 TYPICAL CURB TAPER DETAIL
SCALE: N.T.S.



9
C202 UNDERDRAIN TRENCH DETAIL
SCALE: N.T.S.



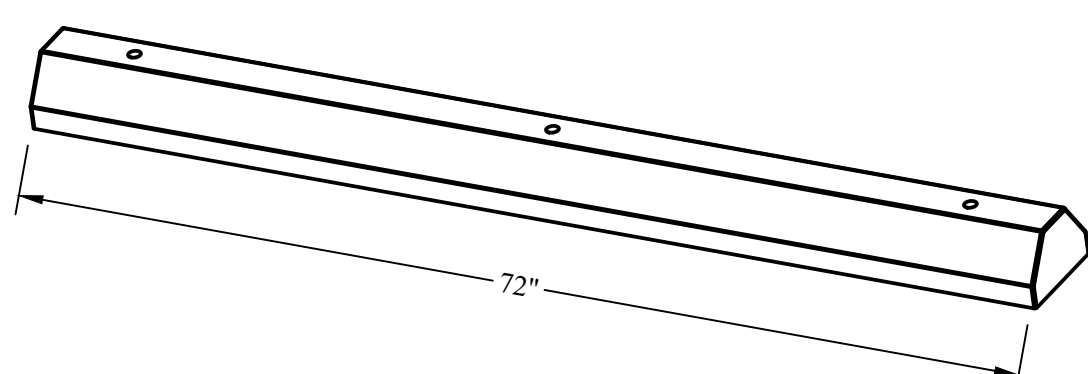
PLAN



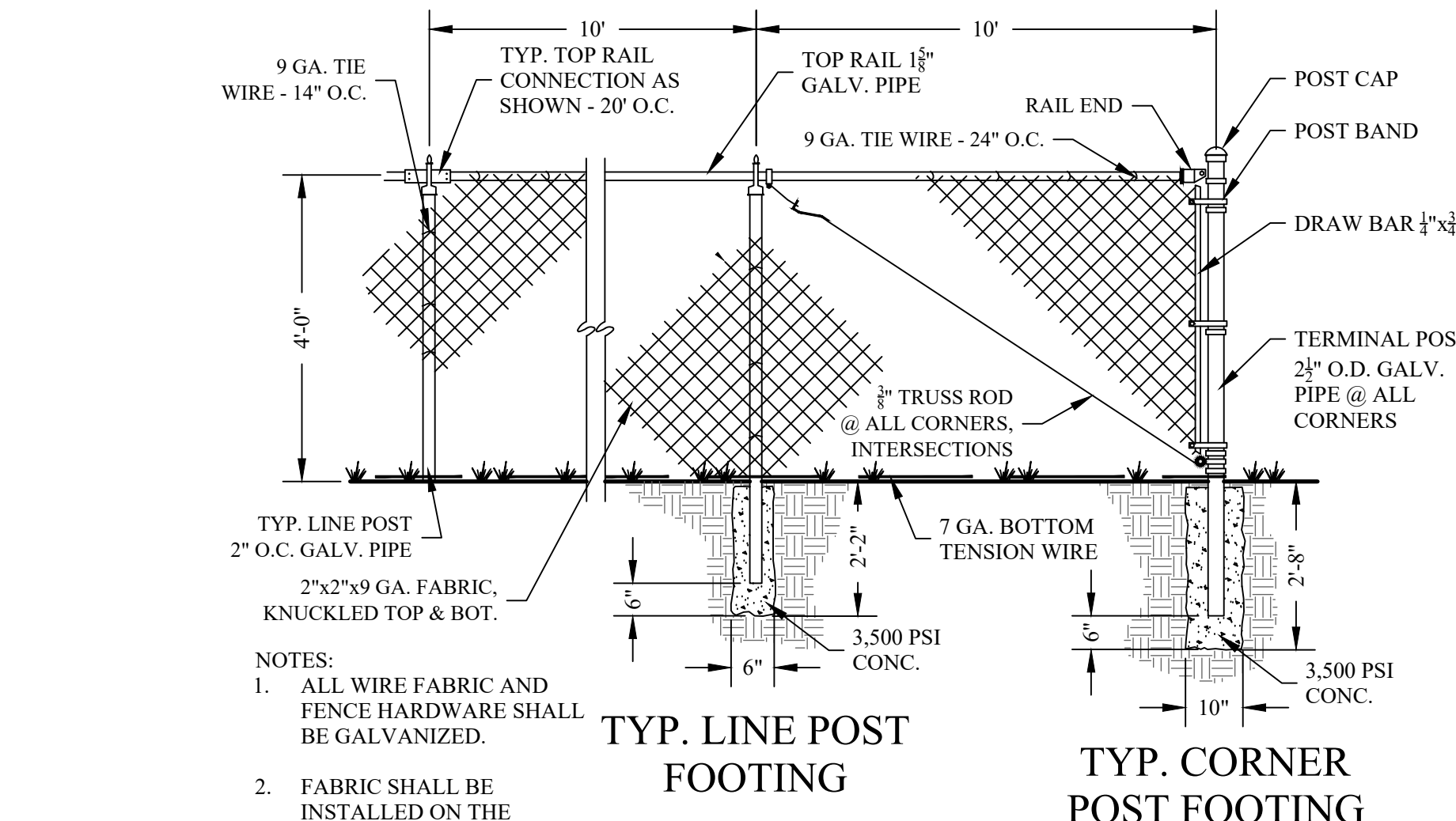
SECTION

- NOTES:
1. * 5'-0" TO TROWELED CONTROL JOINTS. REFER TO PLANS FOR LOCATION OF SIDEWALKS.
 2. ** SURFACE RESTORATION (6\"/>
 3. REMOVE ANY ORGANICS AND TOPSOIL ENCOUNTERED BENEATH PROPOSED WALKWAY. REPLACE MATERIAL WITH COMPACTED GRANULAR FILL.
 4. SURFACES TO BE CLEANED AND TACK-COATED PRIOR TO PAVING.

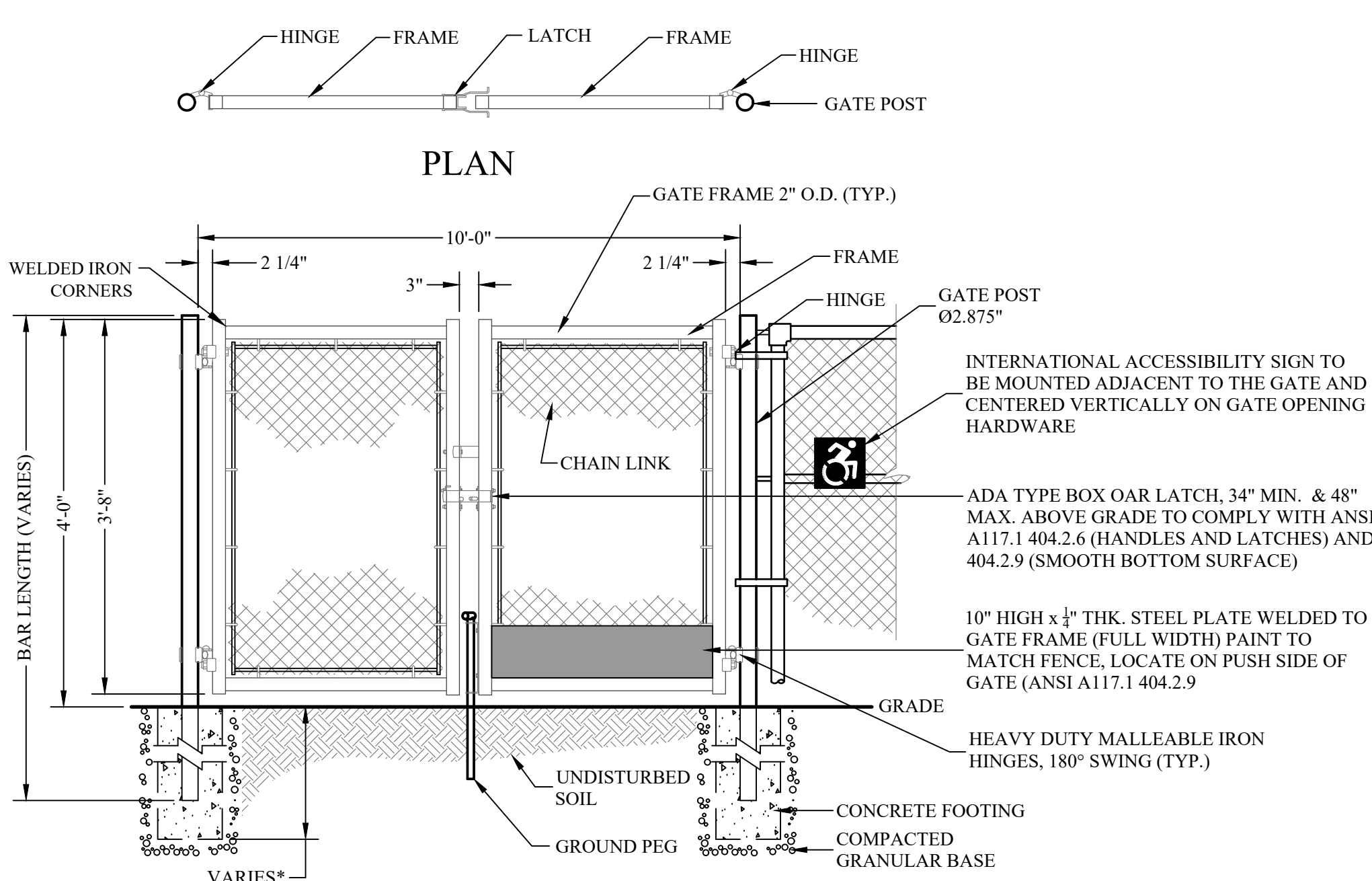
10
C202 TYPICAL SIDEWALK & CURB DETAIL
SCALE: N.T.S.



- FEATURES:
- LDPE - 100% RECYCLED PLASTIC
 - STANDARD COLORS:
 - BLACK, BLUE, GRAY, WHITE, YELLOW
 - ACCESSORIES:
 - LAG BOLTS (CONCRETE APPLICATION) OR SPIKES (ASPHALT APPLICATION) ARE INCLUDED
 - * DETAIL TYPICAL OF INNOPLAST.
- 11
C202 PLASTIC PARKING BLOCK DETAIL
SCALE: N.T.S.



12
C202 4' CHAINLINK FENCE DETAIL
SCALE: N.T.S.



*NOTE: FOOTING DEPTH SUBJECT TO LOCAL CODES AND CONDITIONS.

13
C202 TYPICAL DOUBLE SWING GATE (ADA COMPLIANT)
SCALE: N.T.S.

ORANGE-ULSTER BOCES

ARDEN HILL -
MAIN BUILDING
ADDITIONS AND
ALTERATIONS
4 HARRIMAN DRIVE
GOSHEN, NY 10924



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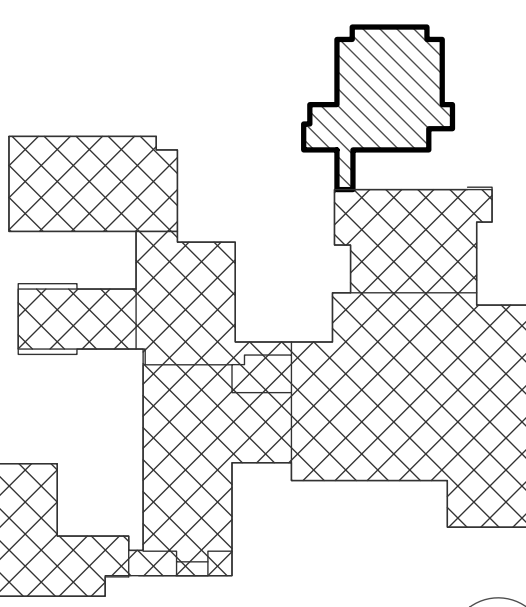
NY SED PROJECT CONTROL NO. #

44-90-00-00-0-035-010

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33 Airport Center Drive, Suite 202 111 Wheatfield Drive, Suite 1
New Windsor, NY 12553 Milford, PA 18837
(845) 567-3100 (717) 256-2765



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Professional Seal

2	01/09/2025	ISSUED FOR BID
1	01/26/2024	SED SUBMISSION
No.	Date	Issue

Sheet Title

CONSTRUCTION
DETAILS

Job No.	Date
2023-1012	01/26/24
Scale	Drawn / Checked
AS NOTED	HPB/jr/SMQ

Sheet Number

C202

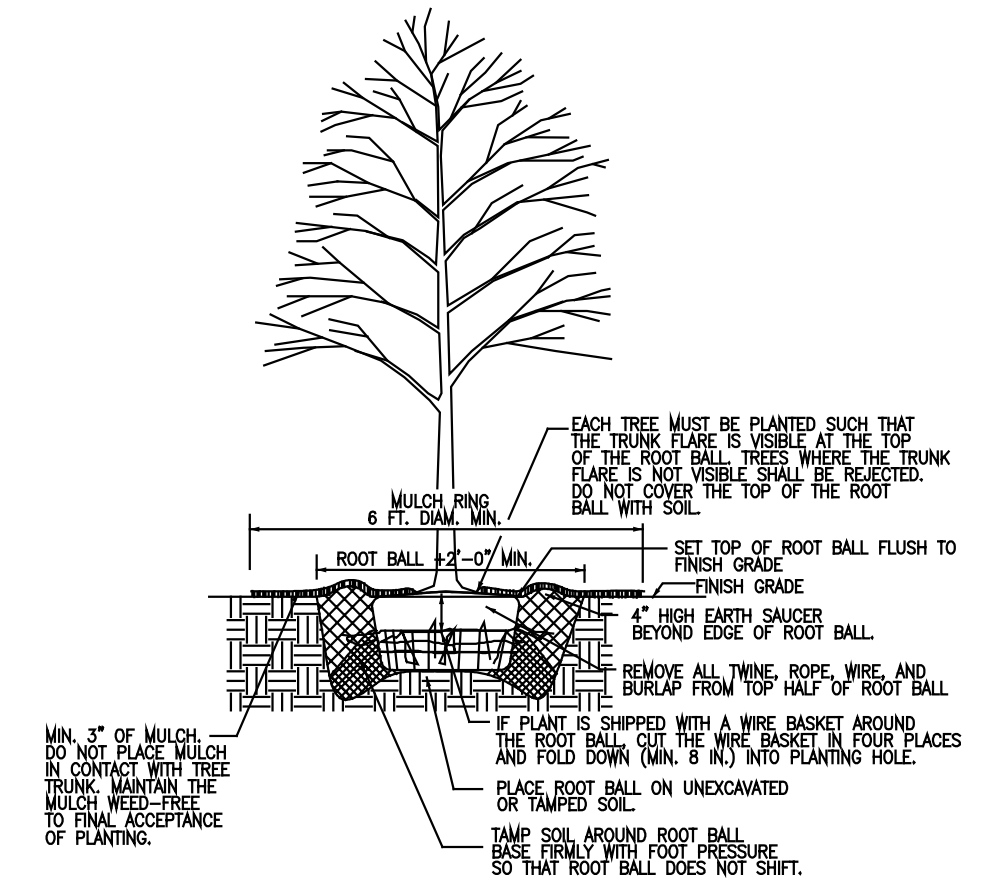
GENERAL PLANTING NOTES

1. THE CONTRACTOR SHALL USE CARE DURING CONSTRUCTION TO AVOID UNNECESSARY DAMAGE TO PROPERTY. RESTORE ALL DAMAGE TO THE SATISFACTION OF THE OWNER.
2. LOCATIONS OF UNDERGROUND UTILITIES AND OTHER SUBSURFACE ELEMENTS, TO THE EXTENT SHOWN, ARE APPROXIMATE ONLY. ALL EXISTING UTILITY LINES MAY NOT BE SHOWN ON THE DRAWING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND DETERMINE THE EXACT LOCATION OF ANY UTILITY OR DRAINAGE LINE THAT MAY BE ENCOUNTERED DURING CONSTRUCTION AND TO PROTECT ALL LINES INTENDED TO REMAIN.
3. CALL "DIG SAFELY NY" AT 811 (OR 1-800-962-7862) AND ANY OTHER REQUIRED UTILITY LOCATORS AT LEAST 72 HOURS PRIOR TO EXCAVATION TO IDENTIFY LOCATIONS OF UTILITIES.
4. IF AND WHEREVER PLANTS CANNOT BE LOCATED AS INDICATED DUE TO UNDERGROUND OBSTRUCTIONS, ADJUST SUCH LOCATIONS KEEPING PLANTS IN RELATIVE CONFORMANCE WITH THE OVERALL PLAN CONFIGURATION AND LAYOUT.
5. ALL AREAS UPON WHICH CONSTRUCTION OR PLANT BEDS DO NOT OCCUR WITHIN THE CONTRACT LIMITS SHALL BE TOPSOILED MINIMUM FOUR (4) INCHES, SEEDED WITH PERMANENT GRASS SEED MIX AND MULCHED UNLESS OTHERWISE SHOWN.
6. CONTRACTOR SHALL CLEAN UP AND REMOVE FROM THE SITE ALL RUBBISH, DEBRIS AND SURPLUS MATERIAL AS FAST AS IT ACCUMULATES AND NOT PERMIT MATERIAL OR EQUIPMENT TO BE SCATTERED ABOUT THE SITE.
7. REFER TO OTHER SHEETS IN THE CONSTRUCTION DRAWING SET FOR SITEWORK INFORMATION OTHER THAN PLANTING.
8. CONTRACTOR SHALL CONDUCT ALL PLANTING IN A WORKMANLIKE MANNER AND IN ACCORDANCE WITH PREVAILING HORTICULTURAL PRACTICES.
9. ALL PLANT MATERIALS MAY BE SUBJECT TO INSPECTION AND REJECTION BY THE LANDSCAPE ARCHITECT AT ANY TIME PRIOR TO FINAL ACCEPTANCE OF THE WORK.
10. OBTAIN LANDSCAPE ARCHITECTS APPROVAL OF PLANT SUBSTITUTIONS PRIOR TO DELIVERY TO THE SITE.
11. PLANT SIZE AND GRADING SHALL CONFORM TO AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS. ALL PLANT MATERIAL SHALL BE NURSERY GROWN, FULLY FORMED AND IN A HEALTHY CONDITION FREE OF INSECTS, PESTS, DISEASE OR DAMAGE AT THE TIME OF INSTALLATION.
12. MULCH ALL PLANT BEDS. COVER SHRUB AND GROUND COVER BEDS WITH A PERVIOUS WEED BARRIER FABRIC PRIOR TO MULCHING. EXTEND BEDS TO INCLUDE ALL SHRUBS IN THE MASS, MAKE A SMOOTH OUTLINE, NEATLY EDGE AND MULCH.
13. CONTRACTOR SHALL MAINTAIN ALL PLANTINGS UNTIL FINAL ACCEPTANCE OF THE WORK. MAINTENANCE INCLUDES WATERING AND WEEDING AS MANY TIMES AS MAY BE NEEDED TO MAINTAIN HEALTHY PLANTS AND A NEAT APPEARANCE.

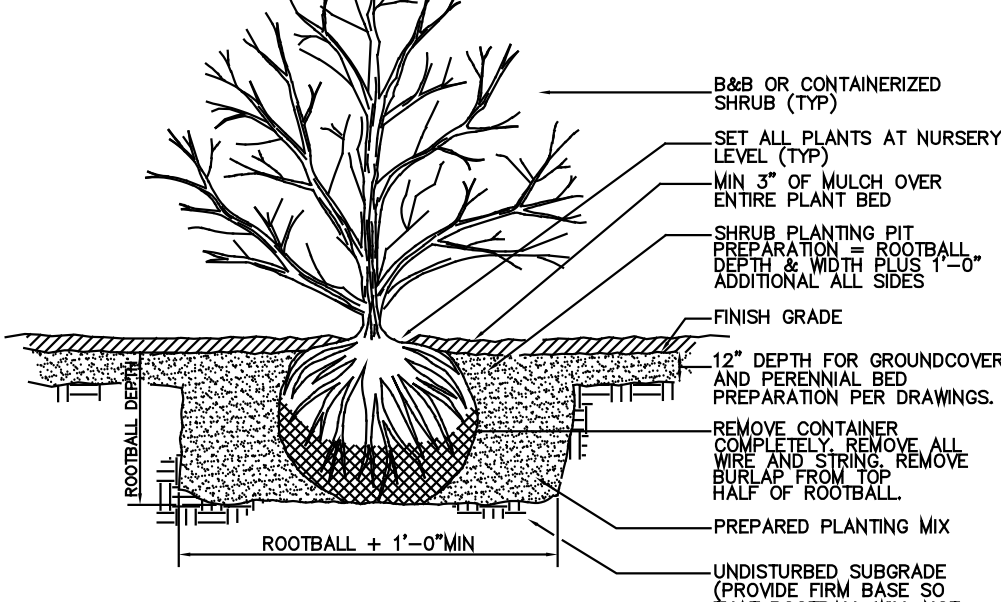
PLANT MATERIALS LIST

Key	Botanical Name	Common Name	Quant	Size	Planting Remarks
TREES					
BN	Betula nigra 'Heritage'	Heritage River Birch	3	12'-14' HT.	B&B, TRIPLE-STEM
ZS	Zelkova serrata 'Green Vase'	Green Vase Zelkova	5	2 1/2"-3" CAL.	B&B, LIMBED TO 7'
MINOR DECIDUOUS TREES					
AL	Aletrisieria laevis	Allegheny Shadblow	4	10'-12' HT.	B&B, SINGLE STEM
SR	Syringa reticulata 'Ivory Silk'	Japanese Tree Lilac	5	2"-2 1/2" CAL.	B&B, SINGLE STEM
EVERGREEN TREES					
PE-1	Picea excelsa (abies)	Norway Spruce	11	10'-12' HT.	B&B
PS-1	Pinus strobus	White Pine	4	14'-16' HT.	B&B
PS-2	Pinus strobus	White Pine	6	10'-12' HT.	B&B
SHRUBS					
EC	Erkianthus campanulatus	Redvein Erkianthus	4	30"-36"	B&B
HP	Hydrangea paniculata 'Babo'	Babo Hydrangeas	12	#3 POT	
KL	Kalmia latifolia 'Olympic Fire'	Mountain Laurel	5	#3 POT	
PL	Prunus laurocerasus 'Schipkaensis'	Cherry Laurel	10	#5 POT	
GROUNDCOVERS					
LMV	Liriope muscari 'Variegata'	Blue Lilyturf	900	FLATS	
ORNAMENTAL GRASSES					
MSP	Miscanthus sinensis 'Purpureascens'	Purple Eulalia Grass	3	2 GAL	
SSB	Schizachyrium scoparium 'The Blues'	Little Bluestem	400	#1 CONT.	

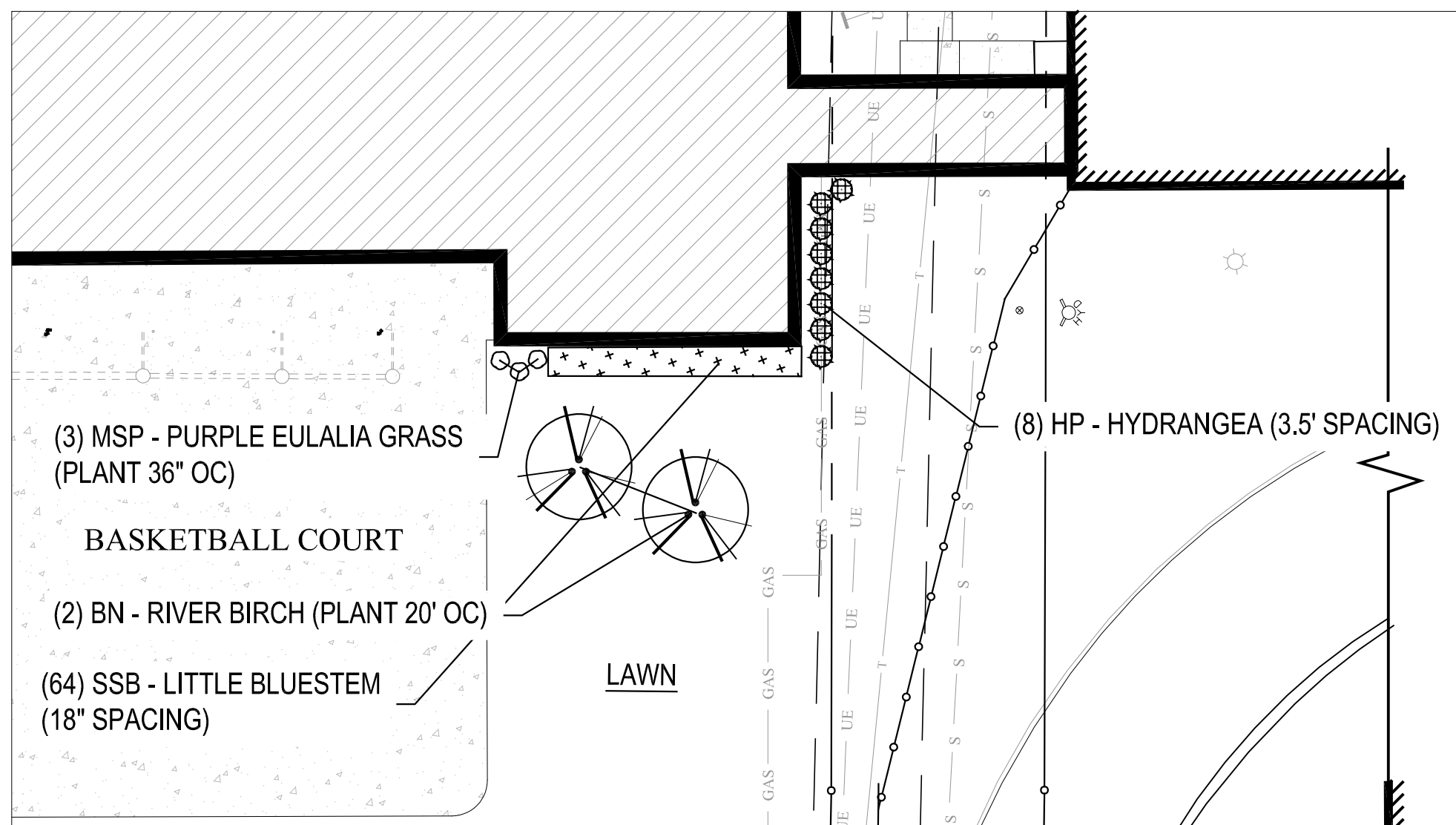
- NOTES:
1. All plants to be balled & burlapped (B&B) or container-grown unless otherwise indicated.
 2. Quantities listed in Plant List are for reference only. The plan quantities take precedence.
 3. Contractor shall verify all quantities and furnish all plants shown on the plan.
 4. All plant beds shall receive 3" depth of specified mulch over fabric weed barrier unless otherwise shown.
 5. Mulch shall be shredded bark mulch, black.



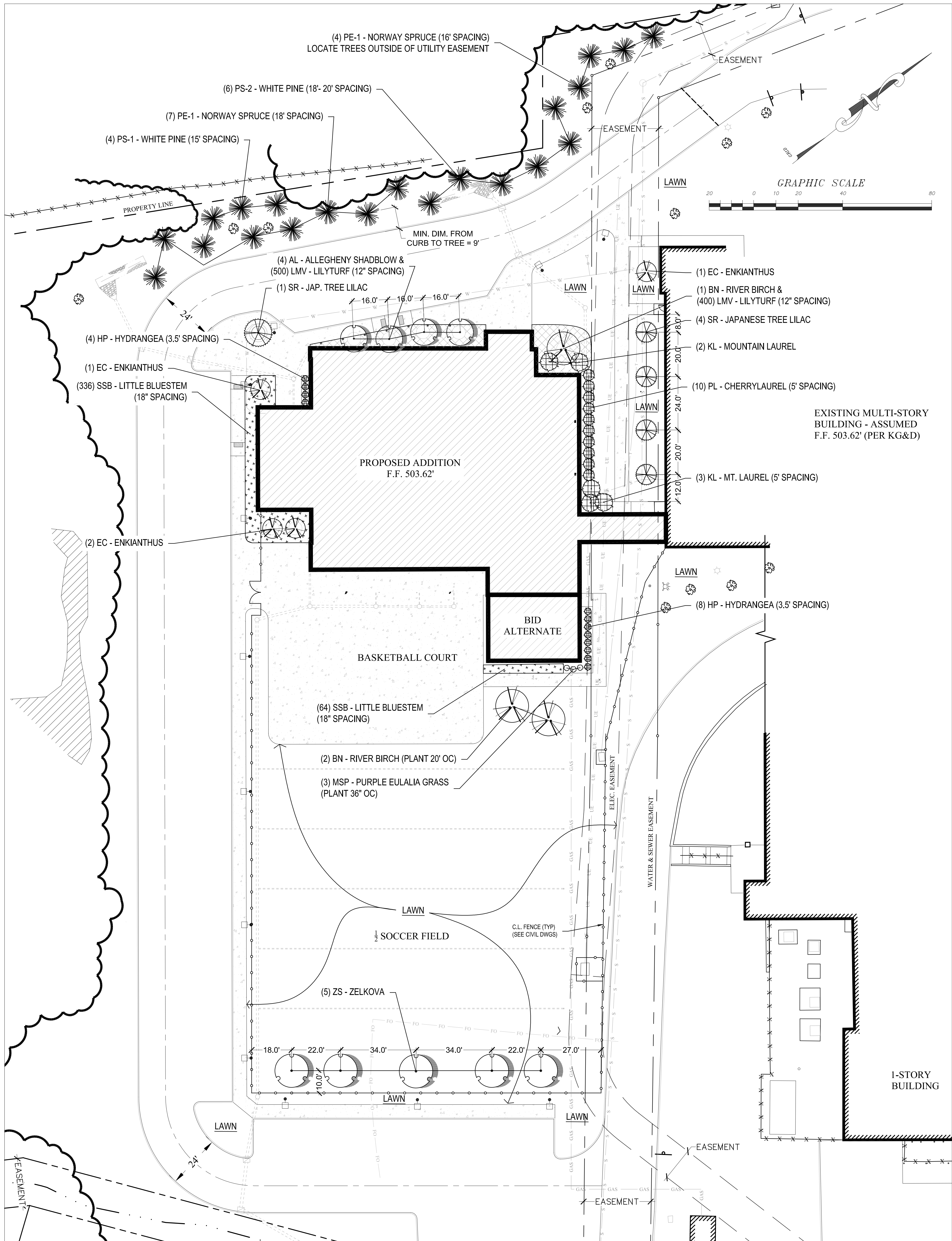
3 TREE PLANTING DETAIL
SCALE: NTS



2 SHRUB PLANTING DETAIL
SCALE: NTS



1 BASE BID PLANTING LAYOUT WITHOUT FITNESS CENTER
SCALE: 1" = 20'



ORANGE-ULSTER BOCES

ARDEN HILL -
MAIN BUILDING
ADDITIONS AND
ALTERATIONS
4 HARRIMAN DRIVE
GOSHEN, NY 10924

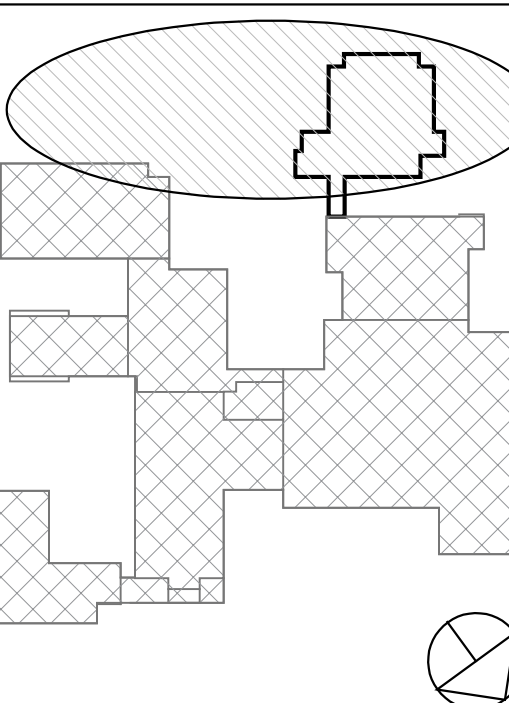


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KEY PLAN

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1 01/09/2025 ISSUED FOR BID

No. Date Issue

Sheet Title

LANDSCAPE
PLAN

Job No. 2023-1012

Date 01/15/25

Scale 1"=20'-0"

Drawn / Checked FFW/LA

Sheet Number

L100

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GENERAL NOTES (STRUCTURAL):

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY THE CONTRACTOR OR HIS AGENTS TO EXISTING STRUCTURES OR SURROUNDING AREAS. DAMAGE WILL BE REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
- EXCAVATION SUPPORT, IF REQUIRED, IS THE RESPONSIBILITY OF THE CONTRACTOR, INCLUDING THE STABILITY OF THE EXCAVATION AND ITS INFLUENCE ON ADJACENT PROPERTIES AND STRUCTURES. EXCAVATION SUPPORT MAY ALSO BE UTILIZED TO MINIMIZE EXCAVATION LIMITS. THE CONTRACTOR SHALL SUBMIT SIGNED AND SEALED CALCULATIONS BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER TO THE ENGINEER OF RECORD PRIOR TO INSTALLATION OF EXCAVATION SUPPORT MEASURES.
- ALL ITEMS NOT INDICATED TO BE EXISTING (OR SUPPLIED BY OTHERS) SHALL BE PROVIDED AND INSTALLED UNDER THE REQUIREMENTS OF THIS CONTRACT.
- THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES REGARDING SLEEVES, CHASES, HANGERS, INSERTS, ANCHORS, HOLES, AND ADDITIONAL ITEMS TO BE PLACED OR SET IN STRUCTURAL WORK.
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- ANY ITEMS INDICATED TO BE REPLACED-IN-KIND SHALL BE INSTALLED TO MATCH EXISTING LOCATIONS, CONFIGURATIONS, AND ELEVATIONS UNLESS OTHERWISE NOTED.
- ALL MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. IF MANUFACTURER'S SPECIFICATIONS CONFLICT WITH CONTRACT DRAWINGS OR SPECIFICATIONS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT. NEITHER THE STRUCTURE NOR INDIVIDUAL STRUCTURAL ELEMENTS SUCH AS WALLS, BEAMS, JOISTS, AND COLUMNS WILL BE LATERALLY STABLE UNTIL ALL WORK INDICATED ON THE STRUCTURAL DRAWINGS IS COMPLETE.
- ALL SUBSURFACE UTILITIES SHALL BE IDENTIFIED PRIOR TO EXCAVATION. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION DURING EXCAVATION. IF UNIDENTIFIED UTILITIES ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- ALL ITEMS SHOWN TO BE REMOVED SHALL BE PROPERLY REMOVED, AND PROPERLY DISPOSED OF OFF SITE.
- NO BACKFILLING OF THE STRUCTURE SHALL OCCUR UNTIL CONCRETE BREAKS SATISFACTORILY TO THE ENGINEER ARE OBTAINED OR UNTIL THE CONTAMINANT STRUCTURE HAS SUCCESSFULLY PASSED HYDROSTATIC TESTING IF APPLICABLE.
- ALL ITEMS INDICATED TO BE PRECAST OR DESIGNED BY OTHERS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD (E.O.R.) PRIOR TO ORDERING MATERIALS. SUBMITTALS SHALL INCLUDE PLANS AND CALCULATIONS SIGNED AND SEALED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER.

MASONRY NOTES:

- ALL MASONRY CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES' ACI 530/MS 402.
- ALL CONCRETE MASONRY UNITS SHALL BE NORMAL WEIGHT WITH TWO (2) CELLS AND CONFORM TO ASTM C30 UNLESS OTHERWISE SPECIFIED.
- ALL BRICK MASONRY UNITS SHALL CONFORM TO ASTM C216.
- ALL MORTAR SHALL CONFORM TO ASTM C270.
- ALL GROUT SHALL CONFORM TO ASTM C476.
- THE MINIMUM SPECIFIED NET AREA COMPRESSIVE STRENGTH OF MASONRY (fm) SHALL BE 2000 PSI AND SHALL CONSIST OF THE FOLLOWING COMPONENTS:
A. CONCRETE MASONRY UNITS: 2000 PSI MINIMUM NET AREA COMPRESSIVE STRENGTH
B. BRICK MASONRY UNITS: 4500 PSI MINIMUM NET AREA COMPRESSIVE STRENGTH
C. PORTLAND CEMENT MORTAR: TYPE S
D. GROUT: 2000 PSI MINIMUM 28 DAY COMPRESSIVE STRENGTH (GROUT COMPRESSIVE STRENGTH SHALL NOT BE LESS THAN fm)
- PROVIDE CONTINUOUS HORIZONTAL BOND BEAMS REINFORCED WITH (2) #5 BARS UNLESS OTHERWISE SPECIFIED WITH TOP OF BOND BEAM ELEVATIONS AS INDICATED. DO NOT CONTINUE REINFORCEMENT ACROSS CONTROL JOINTS EXCEPT FOR CONTROL JOINTS AS OPENINGS.
- GROUT ALL CELLS CONTAINING REINFORCEMENT AND/OR HEADED STUD ANCHORS AS WELL AS DIRECTLY BELOW ALL BEARING PLATES.
- REINFORCEMENT SPLICES SHALL BE KEPT TO A PRACTICAL MINIMUM. SEE THE MASONRY LAP SPICE TABLE ON THIS SHEET FOR MINIMUM LAP SPICE LENGTHS.
- UNLESS OTHERWISE INDICATED, ALL CMU WALLS SHALL BE PROVIDED WITH HOT DIPPED GALVANIZED HORIZONTAL REINFORCEMENT (DURO-WAL, W/ 7 LADDER WIRE, OR EQUAL) EVERY OTHER COURSE (16" O.C.). PROVIDE HORIZONTAL REINFORCING FOR THE FIRST TWO COURSES ABOVE ALL LINTELS.
- REINFORCEMENT SHALL BE PLACED SUCH THAT A MINIMUM OF 5/8" MORTAR COVER EXISTS FOR EXTERIOR FACES, AND A MINIMUM OF 1/2" MORTAR COVER EXISTS FOR ALL INTERIOR FACES.
- UNLESS OTHERWISE NOTED, PROVIDE (1) CONTINUOUS VERTICAL #5 BAR FOR THE FULL HEIGHT OF WALL AND ANCHORED INTO THE FOUNDATION AT THE FOLLOWING LOCATIONS:
A. WALL CORNERS
B. EACH SIDE OF CONTROL JOINTS
C. SIDES OF MASONRY OPENINGS (DOOR JAMBS, ETC.)
D. WALL ENDS
- PROVIDE CONTROL JOINTS IN MASONRY WALLS AT A MAXIMUM SPACING OF 3 TIMES THE WALL HEIGHT. CONTROL JOINTS SHALL BE SPACED AT A MAXIMUM OF 15 FEET FROM ALL CORNERS. SUBMIT CONTROL JOINT PLAN TO ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.
- CONTROL JOINTS SHALL BE PLACED AT ALL CHANGES IN MASONRY WALL HEIGHT AND MASONRY WALL THICKNESS.
- UNLESS OTHERWISE NOTED, ALL LOAD BEARING MASONRY WALLS SHALL HAVE #4 @ 48" O.C. VERTICAL REINFORCEMENT. NON-LOAD BEARING MASONRY SHALL HAVE #4 @ 120" O.C.

ASI/COLD FORMED FRAMING NOTES:

- METAL STUD SIZES SHOWN ON PLANS AND DETAILS ARE BASED ON CLARKE/DIETRICH GALVANIZED STEEL STUDS. ALL FRAMING MATERIALS AND CONNECTIONS SHALL BE EQUIVALENT TO THOSE MANUFACTURED BY CLARKE/DIETRICH. ALL STUDS AND THEIR CONNECTIONS SHALL BE GALVANIZED AND SHALL COMPLY WITH THE REQUIREMENTS OF ASI SPECIFICATION FOR THE DESIGN OF COLD FORM STEEL STRUCTURAL MEMBERS. LATEST EDITION.
- ALL METAL STUDS SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI.
- STEEL STUDS: MANUFACTURER'S STANDARD C-SHAPED STEEL STUDS, OF WEB DEPTHS INDICATED, PUNCHED, WITH STIFFENED FLANGES, AND AS FOLLOWS:
A. MINIMUM BASE-METAL THICKNESS: 20 GA (.03 INCHES)
B. FLANGE WIDTH: 1-5/8 INCHES
- INSTALL CONTINUOUS U-SHAPED STEEL TRACKS SIZED TO MATCH STUDS. ALIGN TRACKS ACCURATELY AND SECURELY ANCHOR TO SUPPORTING STRUCTURE AT EACH STUD LOCATION. TRACKS SHALL BE UNPUNCHED WITH STRAIGHT FLANGES AND MATCH MINIMUM BASE METAL THICKNESS OF STUDS.
- FASTEN BOTH FLANGES OF STUDS TO BOTTOM TRACK UNLESS OTHERWISE INDICATED. SPACE STUDS AS FOLLOWS:
A. STUD SPACING: 24" O.C. MAX
- SET STUDS PLUMB, EXCEPT AS NEEDED FOR DIAGONAL BRACING OR REQUIRED FOR NON-PLUMB WALLS OR WARPED SURFACES AND SIMILAR REQUIREMENTS.
- ISOLATE NON-LOAD-BEARING STEEL FRAMING FROM BUILDING STRUCTURE TO PREVENT TRANSFER OF VERTICAL LOADS WHILE PROVIDING LATERAL SUPPORT.
- BRIDGE ALL JOISTS, RAFTERS AND BEARING WALL STUDS WITH BRIDGING CHANNEL AT 4' O.C. MAX. SCREW OR WELD BOTTOM OF BRIDGING AFTER SHEATHING IS IN PLACE.
- ALL CLIP AND UTILITY ANGLES SHALL BE THE SAME GAUGE AS THE MEMBERS BEING CONNECTED. IF THE MEMBERS BEING CONNECTED ARE DIFFERENT GAUGES, ANGLES SHALL BE A MINIMUM OF THE THINNER GAUGE.
- FOR ALL OPENINGS LARGER THAN JOIST FRAMING, FRAME WITH DOUBLE-HEADERS AND TRIMMERS AROUND OPENINGS. PROVIDE DOUBLE BOX JOISTS AROUND PARTITION WALLS PARALLEL TO JOISTS.
- SHOP DRAWINGS OF ALL LIGHT GAUGE METAL FRAMING SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO MANUFACTURING.
- IF BASIS OF DESIGN MANUFACTURER'S LIGHT GAUGE FRAMING IS NOT USED, CONTRACTOR SHALL PROVIDE ALL SPECIFICATIONS AND MATERIAL PROPERTIES FOR THE SELECTED LIGHT GAUGE MANUFACTURER FOR APPROVAL PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

WELDING NOTES:

- ALL WELDING SHALL BE CONDUCTED BY CERTIFIED WELDERS IN ACCORDANCE WITH AWS D1.1, LATEST EDITION FOR STRUCTURAL STEEL AND AWS D1.3, LATEST EDITION FOR STRUCTURAL SHEET STEEL.
- THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR PROTECTING EXISTING EQUIPMENT, MATERIALS, BUILDING STRUCTURES, AND BUILDING COMPONENTS DURING ANY FIELD WELDING OPERATIONS.
- WELDS OF HEADED STUDS SHALL MATCH STRENGTH OF STUDS.

STEEL JOIST NOTES:

- STEEL JOISTS SHALL BE DESIGNED, FABRICATED, AND INSTALLED IN ACCORDANCE WITH STEEL JOIST INSTITUTE (SJI) STANDARD SPECIFICATIONS LOAD TABLES AND WEIGHT TABLES FOR STEEL JOISTS AND JOIST GIRDERS' LATEST EDITION AND SJI CODE OF STANDARD PRACTICE' LATEST EDITION.
- STEEL JOIST FABRICATOR SHALL SUPPLY AN AFFIDAVIT STATING COMPLIANCE WITH ALL APPLICABLE AISI, SJI AND ANSI REQUIREMENTS.
- STEEL JOIST SUPPLIER MUST BE A MEMBER OF SJI.
- ALL STEEL JOISTS SHALL BE BRACED IN ACCORDANCE WITH SJI. JOIST BRIDGING SHALL BE FURNISHED BY THE JOIST MANUFACTURER.
- JOIST LAYOUTS SHOWN ON PLANS ARE CONCEPTUAL, WITH MAXIMUM SPACING AS INDICATED. ACTUAL JOIST LAYOUT SHALL BE PER APPROVED SHOP DRAWINGS.

GEOTECHNICAL NOTES:

- SEE THE SITE SPECIFIC GEOTECHNICAL REPORT PREPARED BY TECTONIC DATED SEPT. 21, 2023 PROVIDED IN THE CONTRACT.
- SELECT FILL SHALL BE UTILIZED FOR BACKFILL OF ALL STRUCTURES (UNLESS OTHERWISE NOTED).
- OVER-EXCAVATED AREAS BENEATH BUILDING FOUNDATIONS OR SLAB-ON-GRADE FLOORS SHALL BE RE-ESTABLISHED WITH COMPACTED SELECT FILL.
- THE CONTRACTOR SHALL SUBMIT DESIRED BACKFILL MATERIAL SPECIFICATION MEETING ALL DESIGN CRITERIA LISTED IN SPECIFICATION 312334 - STRUCTURAL EXCAVATION BACKFILL AND COMPACTION AND PROJECT GEOTECHNICAL REPORT. AT A MINIMUM, TO THE ENGINEER OF RECORD PRIOR TO USE ON SITE. ALTERNATIVELY, THE CONTRACTOR SHALL ELECT TO PERFORM A FIELD PROCTOR OF THE EXISTING SITE SOILS TO VERIFY THAT EXISTING SOILS MEET THE MINIMUM DESIGN VALUES STATED IN SPECIFICATION 312334 - STRUCTURAL EXCAVATION BACKFILL AND COMPACTION AND PROJECT GEOTECHNICAL REPORT.
- IN-SITU COMPACTION TESTING OF SUBGRADE AND BACKFILL MATERIAL SHALL BE PERFORMED BY THE OWNERS DESIGNATED SPECIAL INSPECTOR.

CONCRETE NOTES:

- CONCRETE SHALL CONFORM TO ACI 211.1, ACI 301, ACI 304R (WHEN PUMPING), AND ACI 318-14. AGGREGATE SHALL CONFORM TO ASTM C33. COMPRESSIVE STRENGTH, RANGE OF SLUMP, WATER-TO-CEMENT RATIO, AND AIR ENTRAINMENT SHALL BE PER THE CONCRETE CLASS SPECIFIED HEREIN AND IN ACCORDANCE WITH CAST-IN-PLACE CONCRETE SPECIFICATION 033000. SUBMIT COPIES OF TEST REPORTS SHOWING THAT THE MIX HAS BEEN SUCCESSFULLY TESTED TO PRODUCE CONCRETE WITH THE PROPERTIES SPECIFIED. TEST REPORTS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO CONCRETE PLACEMENT.
A. CONCRETE CLASSIFICATIONS PER SPECIFICATION SECTION 033000:
a. FOOTINGS & FROST WALLS: CLASS A
b. ABOVE GRADE WALLS: EXPOSED FOUNDATION WALLS: CLASS B
c. INTERIOR SLABS-ON-GROUND: CLASS C
d. APRONS, LANDINGS, EQUIPMENT PADS, SIDEWALKS & CURBS: CLASS H
e. FILL CONCRETE: CLASS G
B. CONCRETE FINISHES PER SPECIFICATION SECTION 033000:
a. FOUNDATIONS BELOW GRADE: AS-CAST SF-2.0 FINISH
b. EXPOSED FOUNDATION WALLS: GROUT-CLEANED FINISH
c. EXTERIOR SLABS: BROOM FINISH
d. INTERIOR SLABS: FLOAT FINISH
- CEMENT SHALL CONFORM TO ASTM C150, TYPE III AND SHALL HAVE A CURING PERIOD OF NOT LESS THAN 7 DAYS.
- CONCRETE SHALL BE WET CURED, USING BURLAP OR COTTON CURING MATS, OR CURED USING ASTM D4397 POLYETHYLENE SHEETING IN ACCORDANCE WITH ASTM C171. VET THE ENTIRE EXPOSED SURFACE OF THE CONCRETE THOROUGHLY WITH A FINE SPRAY OF WATER AND COVER WITH SHEETING THROUGHOUT THE CURING PERIOD. LAY SHEETING DIRECTLY ON CONCRETE SURFACE. PROVIDE SHEETING NOT LESS THAN 18 INCHES WIDER THAN CONCRETE SURFACE. OVERLAP EDGES 12 INCHES AND CONTINUOUSLY TAPE JOINTS.
- PUMPING SHALL NOT RESULT IN SEPARATION OR LOSS OF MATERIALS NOR CAUSE INTERRUPTIONS SUFFICIENT TO PERMIT LOSS OF PLASTICITY BETWEEN SUCCESSIVE INCREMENTS. LOSS OF SLUMP IN PUMPING EQUIPMENT SHALL NOT EXCEED 2 INCHES. CONCRETE SHALL NOT BE CONVEYED THROUGH PIPE MADE OF ALUMINUM OR ALUMINUM ALLOY. RAPID CHANGES IN PIPE SIZES SHALL BE AVOIDED. MAXIMUM SIZE OF COURSE AGGREGATE SHALL BE LIMITED TO 33 PERCENT OF THE DIAMETER OF THE PIPE. MAXIMUM SIZE OF WELL ROUNDED AGGREGATE SHALL BE LIMITED TO 40 PERCENT OF THE PIPE DIAMETER. SAMPLES FOR TESTING SHALL BE TAKEN AT BOTH THE POINT OF DELIVERY TO THE PUMP AND AT THE DISCHARGE END.
- CONCRETE SHALL NOT BE PLACED WHEN WEATHER CONDITIONS PREVENT PROPER PLACEMENT AND CONSOLIDATION INCLUDING PERIODS OF PRECIPITATION. TRANSPORT CONCRETE AS RAPIDLY AS PRACTICABLE TAKING PRECAUTION TO PREVENT SEGREGATION OR LOSS OF INGREDIENTS. PUMPING IN ACCORDANCE WITH ACI 304 SHALL BE PERMITTED. DO NOT EXCEED A FREE VERTICAL DROP OF 3 FEET FROM THE POINT OF DISCHARGE. PLACE CONCRETE IN ONE CONTINUOUS OPERATIONS FROM ONE SIDE OF SLAB TO THE OTHER. POSITION GRADE STAKES AT 12 FEET ON CENTER MAXIMUM IN EACH DIRECTION.
- UNLESS OTHERWISE NOTED, REINFORCEMENT BARS SHALL BE BLACK STEEL. REINFORCING BARS SHALL CONFORM TO ASTM A615 AND SHALL HAVE A MINIMUM YIELD STRENGTH OF 60 KSI. WELDED WIRE FABRIC REINFORCEMENT SHALL CONFORM TO ASTM A104. REINFORCEMENT SHALL NOT CONTAIN RUST, SCALE, OIL, GREASE, CLAY, OR FOREIGN SUBSTANCES THAT WOULD REDUCE THE CONCRETE BONDING STRENGTH. REMOVE LOOSE RUST PRIOR TO PLACEMENT OF REINFORCEMENT.
- REINFORCEMENT SPLICES SHALL BE KEPT TO A PRACTICAL MINIMUM. SEE THE LAP SPICE TABLE ON THIS SHEET FOR MINIMUM LAP SPICE LENGTHS.
- PROVIDE MINIMUM 2" OF CONCRETE COVER FOR ALL REINFORCING STEEL UNLESS OTHERWISE INDICATED.
- CONCRETE FOOTINGS AND MAT FOUNDATIONS SHALL BE PLACED MONOLITHICALLY WITH THE EXCEPTION THAT VERTICAL CONSTRUCTION JOINTS WILL BE ALLOWED IF EPOXY BONDING COMPOUND IS APPLIED TO THE ROUGHENED SURFACE OF THE HARDENED CONCRETE.
- INTERIOR SLABS: THE CONTRACTOR SHALL SUBMIT CONTRACTION JOINT LAYOUT PLAN TO ENGINEER FOR REVIEW PRIOR TO INSTALLATION OF SLABS. JOINTS MAY BE SAWCUT OR CUT WITH A JOINTING TOOL. SAWCUT JOINTS SHALL BE COMPLETED WITHIN 4 TO 12 HOURS AFTER PLACEMENT OF CONCRETE. JOINTS SHALL INTERSECT WITH THE CORNERS OF ISOLATION JOINT AT COLUMN LOCATIONS, IF ANY ARE PRESENT, AND BE SPACED A MAXIMUM OF 16 FEET ON CENTER, UNLESS NOTED OTHERWISE.
- REINFORCEMENT SUPPORTS SHALL BE CONCRETE OR OTHER NON-CORRODIBLE MATERIAL HAVING A COMPRESSIVE STRENGTH EQUAL TO OR GREATER THAN THE COMPRESSIVE STRENGTH OF THE CONCRETE BEING PLACED.
- PROVIDE A 1/2" ROUNDED EDGE ON ALL EXPOSED SLAB EDGES. PROVIDE A 3/4" CHAMFER ON ALL OTHER EXPOSED CONCRETE CORNERS.
- EPOXY BONDING COMPOUND SHALL BE USED ON ALL CONTACTING SURFACES BETWEEN EXISTING CONCRETE AND NEW CONCRETE. EPOXY BONDING COMPOUND SHALL CONFORM TO ASTM C081. TYPE AND GRADE TO BE IN ACCORDANCE WITH APPROPRIATE USE INDICATED IN SPECIFICATION 033000. CAST-IN-PLACE CONCRETE. DO NOT ALLOW COMPOUND TO HARDEN PRIOR TO CONCRETE PLACEMENT.
- PLACE, CONSOLIDATE AND IMMEDIATELY STRIKE OFF CONCRETE TO OBTAIN PROPER CONTOUR GRADE AND ELEVATION BEFORE BLEEDWATER APPEARS. PERMIT CONCRETE TO ATTAIN A SET SUFFICIENT FOR FLOATING AND SUPPORTING THE WEIGHT OF THE FINISHER AND EQUIPMENT. IF BLEEDWATER IS PRESENT PRIOR TO FLOATING THE SURFACE, DRAG THE EXCESS WATER OFF OR REMOVE BY ABSORPTION WITH POROUS MATERIALS. DO NOT USE DRY CEMENT TO ABSORB BLEEDWATER.
- UNLESS OTHERWISE NOTED, ALL CONCRETE CONSTRUCTION SHALL MEET THE SPECIFIED TOLERANCES OF ACI 117. TOP ELEVATIONS SHALL MATCH THE SPECIFIED ELEVATIONS WITHIN A TOLERANCE OF +/-4"
- THE REQUIREMENTS OF ACI 302.1R CLASS 4 SHALL BE IN EFFECT FOR THE CONSTRUCTION OF ALL FLOORS AND SLABS. THE REQUIREMENTS OF ACI 360.8-10 SHALL BE IN EFFECT FOR THE CONSTRUCTION OF ALL SLABS-ON-GROUND:
A. SLABS UNDER CARPET: F_y = 25 AND F_t = 20
B. SLABS WITH TIE-SET, VINYL OR TILE FLOORING: F_y = 35 AND F_t = 25
C. GYMNASIUM FLOOR SLAB SHALL MEET THE REQUIREMENTS OF A CLASS 9 FLOOR AND BE TROWELED SMOOTH AND FLAT TO A TOLERANCE OF 1/8" IN A 10' RADII
- NO CONCRETE SHALL BE PLACED UNTIL ALL EMBEDDED ITEMS (I.E. PROCESS, ELECTRICAL, MECHANICAL, ETC) HAVE BEEN SET. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL TRADES.
- ALL BAR PLACING AND BENDING SHALL BE IN ACCORDANCE WITH ACI 315.
- PERFORM COMPRESSIVE TESTS IN ACCORDANCE WITH ASTM C39. OBTAIN ONE COMPOSITE SAMPLE FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE EXCEEDING 5 CU. YD., BUT LESS THAN 10 CU. YD. PLUS ONE SET FOR EACH ADDITIONAL 50 CU. YD. OR FRACTION THEREOF. TAKE PRECAUTIONS TO PREVENT EVAPORATION AND LOSS OF WATER FROM SPECIMENS. TEST ONE CYLINDER AT 3 DAYS, ONE CYLINDER AT 7 DAYS, AND TWO (THREE FOR 4X8" CYLINDERS) CYLINDERS AT 28 DAYS AND HOLD ONE IN RESERVE. PERFORM SLUMP TESTS IN ACCORDANCE WITH ASTM C143. PERFORM AIR CONTENT TESTS IN ACCORDANCE WITH ASTM C173 OR ASTM C231. SUBMIT ALL TEST DATA TO THE ENGINEER.
- CONSOLIDATE CONCRETE WITH HIGH FREQUENCY INTERNAL MECHANICAL VIBRATING EQUIPMENT SUPPLEMENTED WITH TAMPING SPADING AND TAMPING. FURNISH A SPARE VIBRATOR ON THE JOB SITE WHENEVER CONCRETE IS PLACED. OPERATE VIBRATORS WITH VIBRATORY ELEMENT SUBMERGED IN THE CONCRETE, WITH A MINIMUM FREQUENCY OF NOT LESS THAN 6000 IMPULSES PER MINUTE WHEN SUBMERGED. INSERT AND WITHDRAW VIBRATORS AT INTERVALS APPROXIMATELY 18 INCHES APART.
- ELASTOMERIC JOINT SEALANT SHALL CONFORM TO ASTM C220, TYPE S, GRADE P, CLASS 25.
- CONTROLLED DENSITY FILL SHALL BE IN ACCORDANCE WITH SPECIFICATION 033110.

STRUCTURAL STEEL NOTES:

- STRUCTURAL STEEL SYSTEMS INCLUDING MATERIALS, INSTALLATION, WORKMANSHIP, FABRICATION, ASSEMBLY, ERECTION, INSPECTION, QUALITY CONTROL, AND TESTING SHALL BE PROVIDED IN ACCORDANCE WITH AISI MANUAL OF STEEL CONSTRUCTION, LATEST EDITION.
- ALL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE NOTED:
A. W SHAPES: ASTM A992, F_y = 50ksi
B. HSS: ASTM A500 GR. C, F_y = 50ksi
C. PLATES AND OTHER STEEL SHAPES: ASTM A36, F_y = 36ksi
- ALL HOLES IN STEEL SHALL BE STANDARD SIZE 1/16" LARGER THAN BOLT DIAMETER UNLESS OTHERWISE NOTED. ALL HOLES SHALL BE DRILLED OR PUNCHED. BURNING IS NOT ALLOWED. COLUMN ANCHOR BOLT HOLES MAY BE OVERSIZED.
- COPIES SHALL BE PROVIDED WITH 1/2" RADIUS MINIMUM. SMOOTH CORNERS, AND FREE OF NOTCHES. DEPTH AND LENGTH OF COPIES SHALL BE AS INDICATED.
- UNLESS OTHERWISE NOTED, ALL BOLTS SHALL CONFORM TO ASTM A325, EXCEPT ANCHOR BOLTS SHALL CONFORM TO ASTM A1554. ALL NUTS SHALL CONFORM TO ASTM A563, GRADE AND STYLE FOR APPLICABLE ASTM BOLT STANDARD. ALL WASHERS SHALL CONFORM TO ASTM F436 FOR ASTM A325 BOLTS AND F1554 ANCHOR BOLTS.
- UNLESS OTHERWISE NOTED, ALL BOLTS SHALL BE SNUG-TIGHT. BOLTS SPECIFIED AS PRE-TENSIONED (PT) SHALL BE PRE-TENSIONED USING THE TURN-OF-NUT METHOD. CONNECTIONS SPECIFIED AS SUB-CRITICAL (SC) SHALL HAVE BOLTS PRE-TENSIONED USING THE TURN-OF-NUT METHOD AND PAYING SURFACES PREPARED IN ACCORDANCE WITH THE CLASSIFICATION INDICATED. BOLTS INDICATED TO USE A JAM NUT SHALL BE INSTALLED USING THE FOLLOWING SEQUENCE:
A. INSTALL THIN NUT (JAM NUT) FIRST AND TORQUE TO 50% OF TORQUE VALUE
B. INSTALL THICK NUT (STANDARD HEX) SECOND AND TORQUE TO 100% OF TORQUE VALUE WHILE HOLDING THE JAM NUT TO PREVENT ROTATION
- STEEL DETAILER SHALL PROVIDE CONNECTION DESIGN IN ACCORDANCE WITH ANSIAISC 360. DETAILER SHALL SELECT AND COMPLETE CONNECTIONS USING SCHEMATIC DETAILS INDICATED ON PLANS AND ANSIAISC 360.
- UNLESS NOTED OTHERWISE, ALL EXPOSED/EXTERIOR STRUCTURAL STEEL MEMBERS SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123 AND ALL STRUCTURAL STEEL FASTENERS INCLUDING NUTS, BOLTS, WASHERS, ETC., SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153. REPAIR AREAS OF DAMAGED GALVANIZATION IN ACCORDANCE WITH ASTM A780.
- UNLESS NOTED OTHERWISE, ALL COLUMNS SHALL BE PROVIDED WITH A 1/2" THICK CAP PLATE.
- EXTERIOR/INTERIOR STEEL MEMBERS WHICH PENETRATE THE INSULATION ENVELOPE OF THE BUILDING SHALL BE COATED WITH Tnemec AEROLON SERIES 971 FLUID-APPLIED ACRYLIC INSULATION COATING, OR APPROVED EQUAL. SEE SPEC 072163. APPLY COATING IN ACCORDANCE WITH MANUFACTURERS RECOMMENDED CONSTRUCTION DETAILS AND AS NOTED BELOW:
A. FULLY COAT EXPOSED HSS/10X10X12 COLUMNS IN GYM.
B. FULLY COAT EXPOSED HSS COLUMNS IN VESTIBULES G100 AND G119.

SPECIAL INSPECTIONS:

ALL SPECIAL INSPECTIONS LISTED ARE IN ADDITION TO ALL INSPECTION REQUIRED BY STATE AND LOCAL BUILDING CODES. ALL SPECIAL INSPECTIONS SHALL BE PERFORMED BY AN AGENCY RETAINED AND PAID BY THE OWNER OR OWNERS REPRESENTATIVE. THE APPROVED AGENCY SHALL PROVIDE ALL INFORMATION AS NECESSARY FOR THE BUILDING OFFICIAL TO DETERMINE THAT THE AGENCY MEETS THE APPLICABLE REQUIREMENTS. COPIES OF NECESSARY TEST AND INSPECTION RECORDS SHALL BE FILED WITH THE BUILDING OFFICIAL AND REGISTERED DESIGN PROFESSIONAL. ALL SPECIAL INSPECTIONS AND REPORTS SHALL BE IN ACCORDANCE WITH CHAPTER 17 OF THE 2020 NEW YORK STATE BUILDING CODE LATEST EDITION.

CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH OWNERS DESIGNATED INSPECTOR FOR SCHEDULING OF ALL SPECIAL INSPECTIONS. CONTRACTOR SHALL NOTIFY INSPECTOR MINIMUM 24 HOURS PRIOR TO NEED OF INSPECTION.

THE OWNER RESERVES THE RIGHT TO BACK CHARGE THE CONTRACTOR FOR ANY COSTS ASSOCIATED WITH ADDITIONAL SPECIAL INSPECTIONS REQUIRED DUE TO CANCELLATION OF SCHEDULED INSPECTIONS AND RE-INSPECTION OF PREVIOUSLY FAILED INSPECTIONS.

SPECIAL INSPECTIONS REQUIRED INCLUDE BUT ARE NOT LIMITED TO:

- STEEL:**
- STRUCTURAL STEEL:
A. SPECIAL INSPECTIONS AND NONDESTRUCTIVE TESTING OF STRUCTURAL STEEL ELEMENTS INCLUDING BEAMS, STRUCTURES AND PORTIONS THEREOF SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISI 360-16.
 - COLD-FORMED STEEL DECK:
A. SPECIAL INSPECTIONS AND QUALIFICATION OF WELDING SPECIAL INSPECTORS FOR COLD-FORMED STEEL FLOOR AND ROOF DECK SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF SDI QAQC.
 - INSTALLATION OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS:
A. 3.1. PERIODIC SPECIAL INSPECTION OF END CONNECTIONS - WELDED OR BOLTED
B. 3.2. PERIODIC SPECIAL INSPECTION OF BRIDGING - HORIZONTAL OR DIAGONAL.
- CONCRETE:**
- PERIODIC INSPECTION OF REINFORCING STEEL.
 - PERIODIC INSPECTION OF ANCHORS CAST IN CONCRETE.
 - INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE.
A. CONTINUOUS INSPECTION OF ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.
B. PERIODIC INSPECTION OF MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 3.1.
 - PERIODIC VERIFICATION OF DESIGN MIX.
 - PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP, AIR, AND TEMPERATURE TESTS, CONTINUOUS.
 - CONTINUOUS INSPECTION OF PLACEMENT & FOR PROPER APPLICATION TECHNIQUES.
 - PERIODIC INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.
 - PERIODIC INSPECTION OF ERECTION OF PRECAST CONCRETE MEMBERS.
 - PERIODIC INSPECTION OF FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS, OF THE CONCRETE MEMBER BEING FORMED.
- MASONRY:**
- SPECIAL INSPECTIONS AND TESTS OF MASONRY CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE QUALITY ASSURANCE PROGRAM REQUIREMENTS OF TMS 402 AND TMS 602.

SOILS:

- CONTINUOUS INSPECTION OF
A. PROPER MATERIALS
B. DENSITIES
C. LIFT THICKNESS DURING PLACEMENT
D. COMPACTION OF CONTROLLED FILL
- PERIODIC INSPECTION OF
A. MATERIALS BELOW FOOTINGS ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY
B. EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL
C. CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS
D. SUBGRADE PRIOR TO PLACEMENT OF COMPACTED FILL
- THE APPROVED SOILS REPORT, IF ANY EXISTS, SHALL BE USED TO DETERMINE COMPLIANCE.

NYSCB 2020 STRUCTURAL PROVISIONS:

THE STRUCTURE SHOWN HEREON HAS/HALL BE DESIGNED FOR THE FOLLOWING IN ACCORDANCE WITH NYSCB 2020:

FLOOR LIVE LOAD: N/A

SLAB ON GRADE: N/A

FIRST FLOOR CORRIDOR AND COMMON AREAS: 100 PSF

ROOF LIVE LOAD: N/A

DISTRIBUTED LOAD = 20 PSF (SNOW LOAD GOVERNS)

CONCENTRATED LOAD = 300 LBS

ROOF SNOW LOAD:
GROUND SNOW LOAD (Pg) = 30 PSF
FLAT ROOF SNOW LOAD (Pi) = 22 PSF
SNOW EXPOSURE FACTOR (Ce) = 0.9
SNOW IMPORTANCE FACTOR (I) = 1.10
THERMAL FACTOR (Ct) = 1.0
SLOPE FACTOR (Cs) = 1.0
DRIFT SURCHARGE (Pg) = 66.7 PSF
WIDTH OF DRIFT (w) = 14.9 FT

WIND LOAD:
BASIC WIND SPEED = 120 MPH
BUILDING CATEGORY = RISK CATEGORY III
WIND EXPOSURE = B
WIND DIRECTIONALITY FACTOR = Kd = 0.85
TOPOGRAPHIC FACTOR = Kzt = 1.0
GUST FACTOR = 0.85
ENCLOSURE CLASSIFICATION = ENCLOSED
APPLICABLE INTERNAL PRESSURE COEFF. = +0.18

COMPONENTS & CLADDING PRESSURE - HIGH ROOF:

WIND PRESSURES (PSF)					
ZONE	< 10 SQ. FT.	< 20 SQ. FT.	< 50 SQ. FT.	< 100 SQ. FT.	< 500 SQ. FT.
1'	9.35/-21.093	8.00/-16.688	8.00/-16.688	8.00/-16.688	8.00/-16.688
1	9.35/-36.757	8.00/-27.104	8.00/-24.528	8.00/-22.624	8.00/-22.624
2	9.35/-48.416	8.00/-35.728	8.00/-32.480	8.00/-30.016	8.00/-30.016
3	9.35/-66.038	8.00/-47.152	8.00/-40.856	8.00/-35.728	8.00/-35.728
4	23.05/-25.009	17.360/-18.928	16.240/-17.808	16/-17.024	16/-17.024
5	23.05/-30.883	17.360/-22.736	16.240/-20.496	16/-18.928	16/-18.928

COMPONENTS & CLADDING PRESSURE - LOW ROOFS:

WIND PRESSURES (PSF)					
ZONE	< 10 SQ. FT.	< 20 SQ. FT.	< 50 SQ. FT.	< 100 SQ. FT.	< 500 SQ. FT.
1'	9.35/-21.093	8.00/-16.688	8.00/-16.688	8.00/-16.688	8.00/-16.688
1	9.35/-36.757	8.00/-27.104	8.00/-24.528	8.00/-22.624	8.00/-22.624
2	9.35/-48.416	8.00/-35.728	8.00/-32.480	8.00/-30.016	8.00/-30.016
3	9.35/-66.038	8.00/-47.152	8.00/-40.856	8.00/-35.728	8.00/-35.728
4	23.05/-25.009	17.360/-18.928	16.240/-17.808	16/-17.024	16/-17.024
5	23.05/-30.883	17.360/-22.736	16.240/-20.496	16/-18.928	16/-18.928

- NOTES:
- PLUS AND MINUS SIGNS INDICATE PRESSURES ACTING TOWARD AND AWAY FROM THE PROJECTED SURFACE, RESPECTIVELY.
 - WIND PRESSURES SHOWN ARE ULTIMATE AND CAN BE CONVERTED TO SERVICE BY MULTIPLYING BY 0.6
 - JOIST NET UPLIFT LOAD COMBINATION IS 0.60+0.60W. TD = 14 PSF
 - WIDTH OF PRESSURE COEFFICIENT ZONE
A. HIGH ROOF: a = 7.7 FT.
B. LOW ROOFS: a = 3.0 FT.

SEISMIC DESIGN DATA:
OCCUPANCY RISK CATEGORY = III
SEISMIC IMPORTANCE FACTOR = 1.25
SITE CLASS = D
MAPPED SPECTRAL RESPONSE ACCELERATIONS: S_{WS} = 0.366 AND S_{WS1} = 0.0134
SPECTRAL RESPONSE PARAMETERS: S_{DS} = 0.244 AND S_{DS1} = 0.089
SEISMIC DESIGN CATEGORY = I
SEISMIC RESPONSE COEFFICIENT: C_s = 0.1517
RESPONSE MODIFICATION COEFFICIENT: R = 2
ANALYSIS PROCEDURE - EQUIVALENT LATERAL FORCE METHOD
DESIGN BASE SHEAR = 213.5 KIPS
BASIC SEISMIC FORCE RESIST. SYS. = A.10 INTERMEDIATE REINFORCED MASONRY SHEAR WALLS

GEOTECHNICAL DESIGN DATA:
GEOTECHNICAL EVALUATION REPORT PREPARED BY TECTONIC ENGINEERING DATED OCT. 9, 2022
ALLOWABLE BEARING STRENGTH = 4000 PSF

ROOF RAIN LOAD DATA:
RAIN INTENSITY (i) = 3.02 IN./HR.

ORANGE-ULSTER BOCES

ARDEN HILL -
MAIN BUILDING
ADDITIONS AND
ALTERATIONS
4 HARRIMAN DRIVE
GOSHEN, NY 10924

KG+D listen imagine build
KG+D . ARCHITECTS PC
285 MAIN STREET MOUNT KISCO, NEW YORK, 10549
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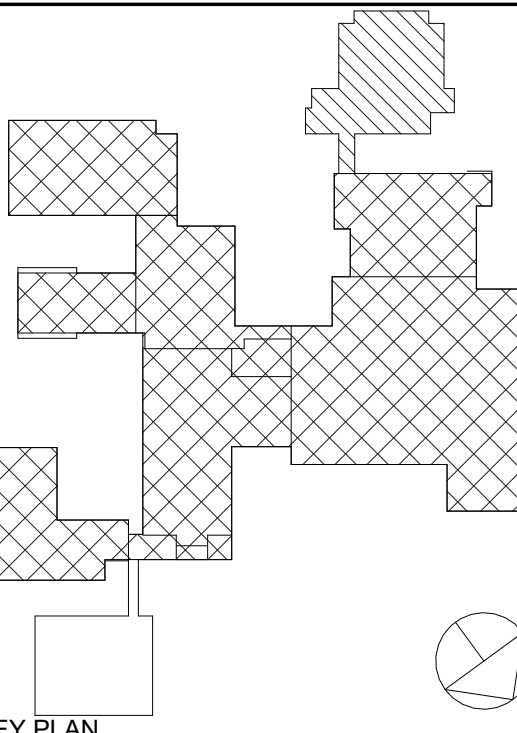
M+E
ENGINEERING

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NY SED PROJECT CONTROL NO. #

44-90-00-00-0-035-010

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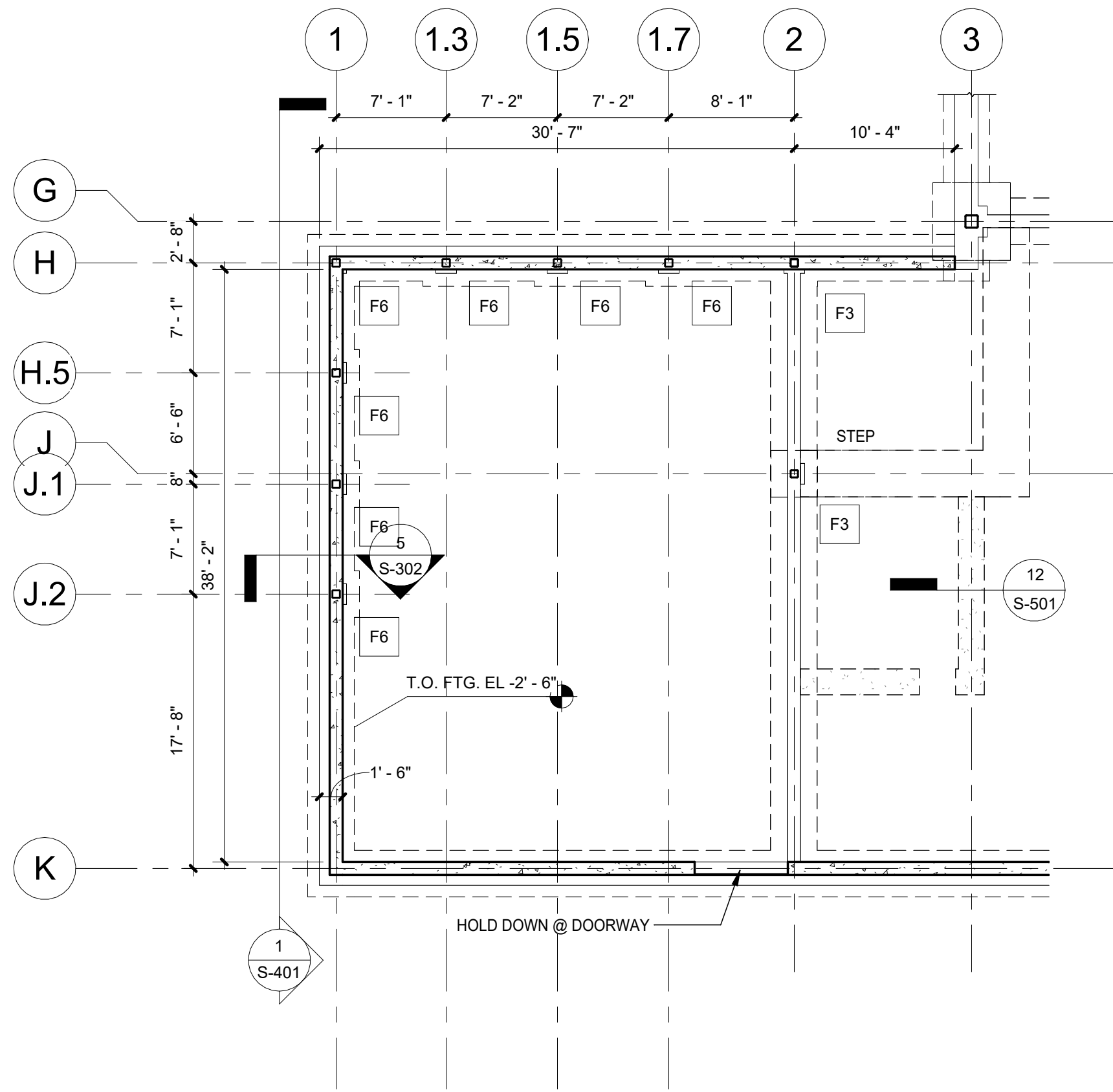
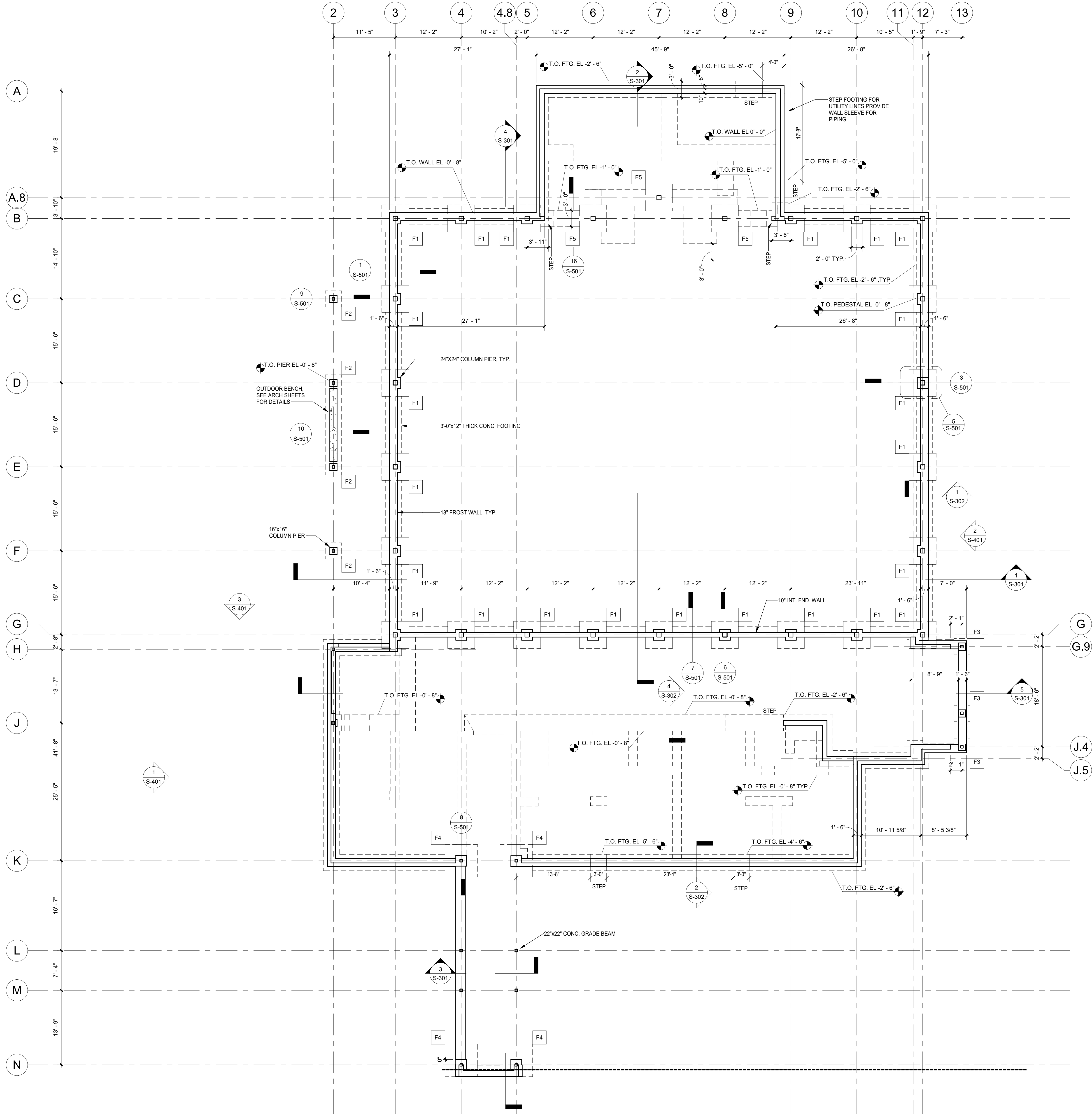
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No.	1	1/26/2024	SED SUBMISSION
Date			Issue
Sheet Title			

STRUCTURAL NOTES

Job No. 44-90-00-00-035-010 Date 01/26/2024
Scale Drawn / Checked WRB/JB WRB
Sheet Number

S-001

Structural Foundation Schedule (Mark - rolled)							
Mark	Length	Width	Thickness	Elevation at Bottom	Footing Pier Size	Count	REMARK
F1	5' - 0"	5' - 0"	1' - 6"	-4' - 0"	2'-0"x2'-0"	23	
F2	3' - 0"	3' - 0"	1' - 0"	-3' - 6"	1'-4"x1'-4"	4	
F3	3' - 0"	3' - 0"	1' - 0"	-3' - 6"	1'-4"x1'-4"	4	
F4	6' - 0"	6' - 0"	1' - 6"	-4' - 0"	2'-0"x2'-0"	4	
F5	5' - 0"	5' - 0"	1' - 6"	-2' - 6"	-	3	



2 FOUNDATION PLAN - ADD ALT
1/8" = 1'-0"

1 FOUNDATION PLAN
1/8" = 1'-0"

ORANGE-ULSTER BOCES
ARDEN HILL -
MAIN BUILDING
ADDITIONS AND
ALTERATIONS
4 HARRIMAN DRIVE
GOSHEN, NY 10924

KG+D listen
imagine
build

KG+D . ARCHITECTS PC
285 MAIN STREET MOUNT KISCO, NEW YORK, 10549
P:914.666.5900 KGDARCHITECTS.COM

MHE
ENGINEERING
33 Airport Center Drive, Suite 202 111 Whipplefield Drive, Suite 1
New Rochelle, NY 10523 Melville, NY 11767
(845) 961-0300 (516) 266-2746

NY SED PROJECT CONTROL NO.#
44-90-00-00-0-035-010

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KEY PLAN

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FOUNDATION PLAN

Job No. 44-90-00-00-0-035-010 Date 01/26/2024

Scale Drawn / Checked
WRB P.JW/JSS

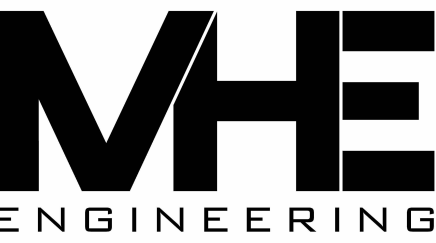
Sheet Number

S-101

ORANGE-ULSTER BOCES
ARDEN HILL -
MAIN BUILDING
ADDITIONS AND
ALTERATIONS
4 HARRIMAN DRIVE
GOSHEN, NY 10924



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(914) 666-5900 (516) 466-5900

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44-90-00-00-0-035-010

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LEGEND

- CONTROL JOINT, SEE DETAIL
C.J. CONSTRUCTION JOINT, SEE DETAIL
// ADDITIONAL #4 REBAR AT DISCONTINUOUS JOINTS AND RE-ENTRANT CORNERS
#X @ X'-X" (B) AREA REINFORCEMENT
#X @ X'-X" B EXTENT, BARS, AND SPACING

KEY PLAN

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Sheet Title

SLAB PLAN

Job No.	44-90-00-00-0-035-010	Date	01/26/2024
Scale		Drawn / Checked	WRB/JB WRB

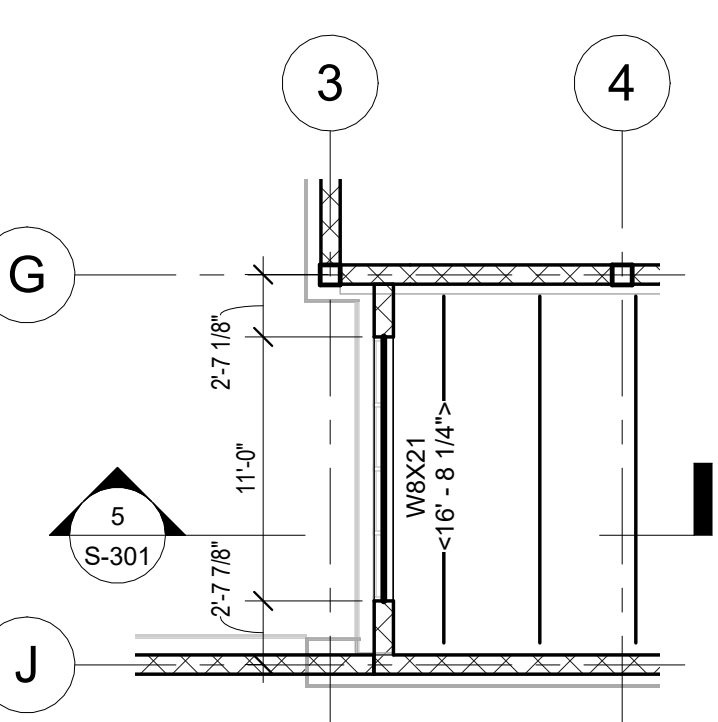
Sheet Number
S-102

2 FIRST FLOOR SLAB PLAN - ADD ALT
1/8" = 1'-0"

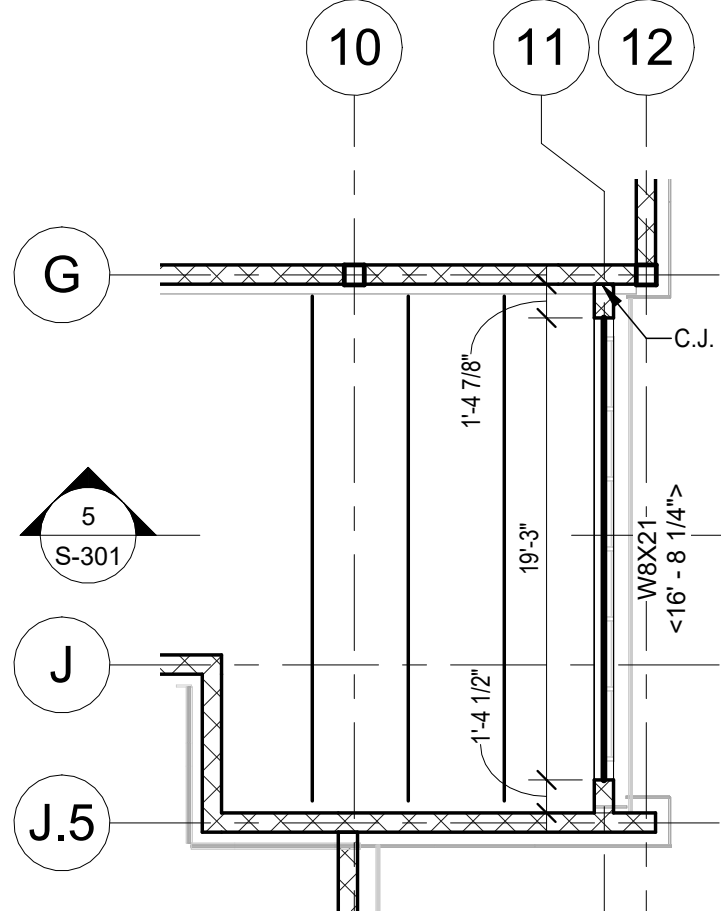
1 FIRST FLOOR SLAB PLAN
1/8" = 1'-0"

NOTE:
1. TOP OF SLAB = 0'-0" U.O.

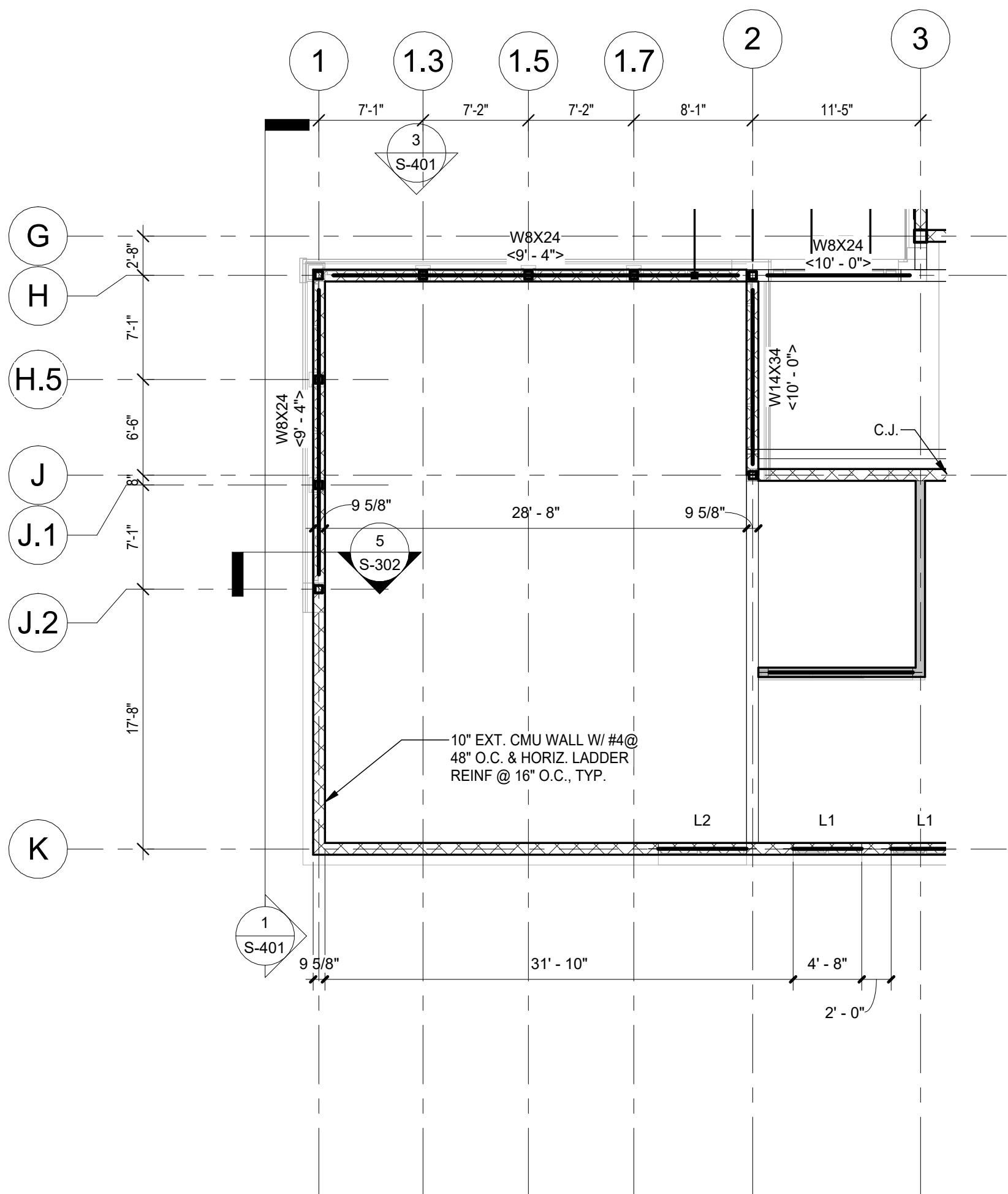
CMU LINTEL SCHEDULE					
TYP. CMU LINTELS @ LOAD BEARING WALLS					
MARK	CLEAR SPAN	BLOCK WIDTH	DEPTH (D)	HORIZONTAL REINFORCING	REMARKS
L1	0 TO 6'-0"	10"	8"	(1) #4 BOT. BAR (1) #4 TOP BAR	
L2	6'-0" TO 12'-0"	10"	16"	(2) #4 BOT. BAR (1) #4 TOP BAR	
L3	0 TO 6'-0"	10"	24"	(2) #4 BOT. BAR (1) #4 TOP BAR	
TYP. CMU LINTELS @ NON-LOAD BEARING WALLS					
MARK	CLEAR SPAN	BLOCK WIDTH	DEPTH (D)	HORIZONTAL REINFORCING	REMARKS
L4	0 TO 6'-0"	8"	8"	(1) #4 BOT. BAR (1) #4 TOP BAR	
L5	6'-0" TO 12'-0"	8"	16"	(1) #4 BOT. BAR (1) #4 TOP BAR	
L6	6'-4"	12"	16"	(2) #4 BOT. BAR (1) #4 TOP BAR	FIREWALL LINTEL



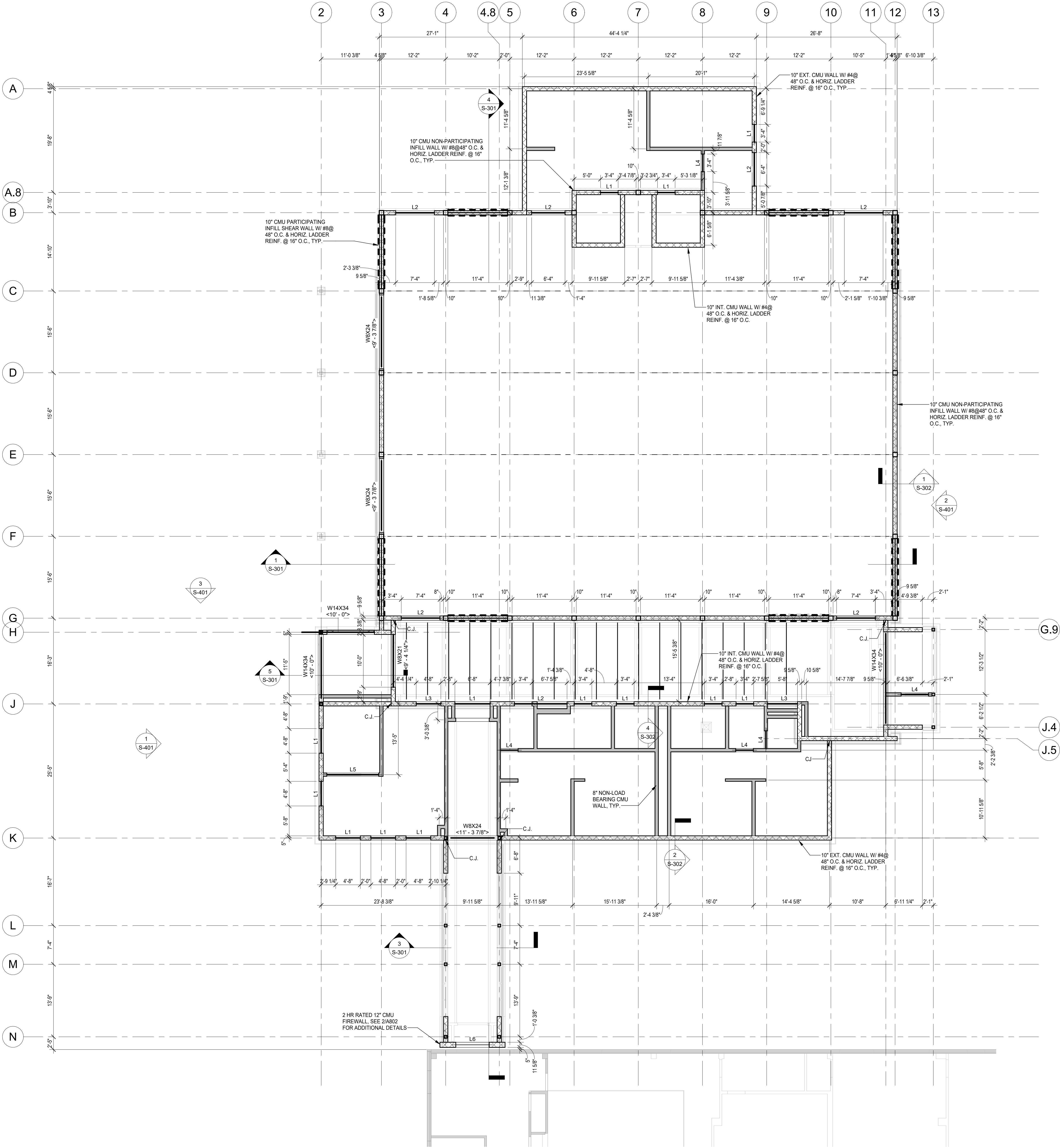
3 UPPER CMU WALL PLAN - OVER G119
1/8" = 1'-0"



2 UPPER CMU WALL PLAN - OVER G100
1/8" = 1'-0"



5 CMU WALL AND LINTEL PLAN - ADD ALT
1/8" = 1'-0"



1 CMU WALL AND LINTEL PLAN
1/8" = 1'-0"

ORANGE-ULSTER BOCES
ARDEN HILL -
MAIN BUILDING
ADDITIONS AND
ALTERATIONS
4 HARRIMAN DRIVE
GOSHEN, NY 10924

KG+D listen
imagine
build

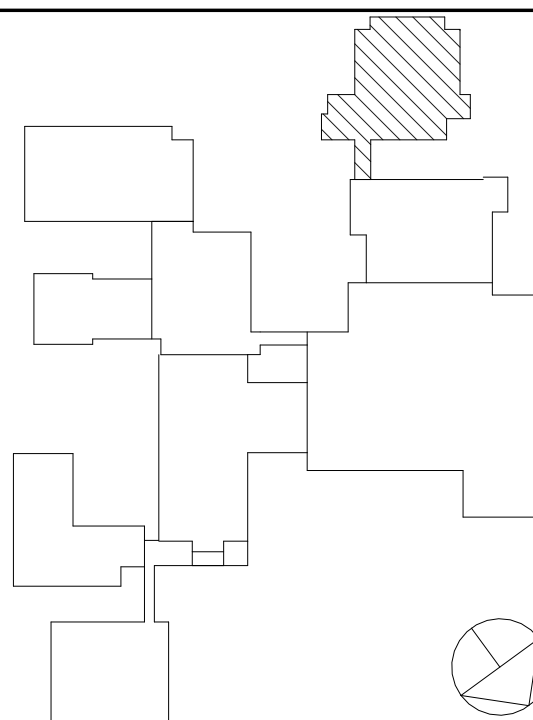
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NY SED PROJECT CONTROL NO.#
44-90-00-00-0-035-010

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LEGEND
C.J. CONTROL JOINT, SEE DETAIL S-504



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CMU WALL AND LINTEL PLAN

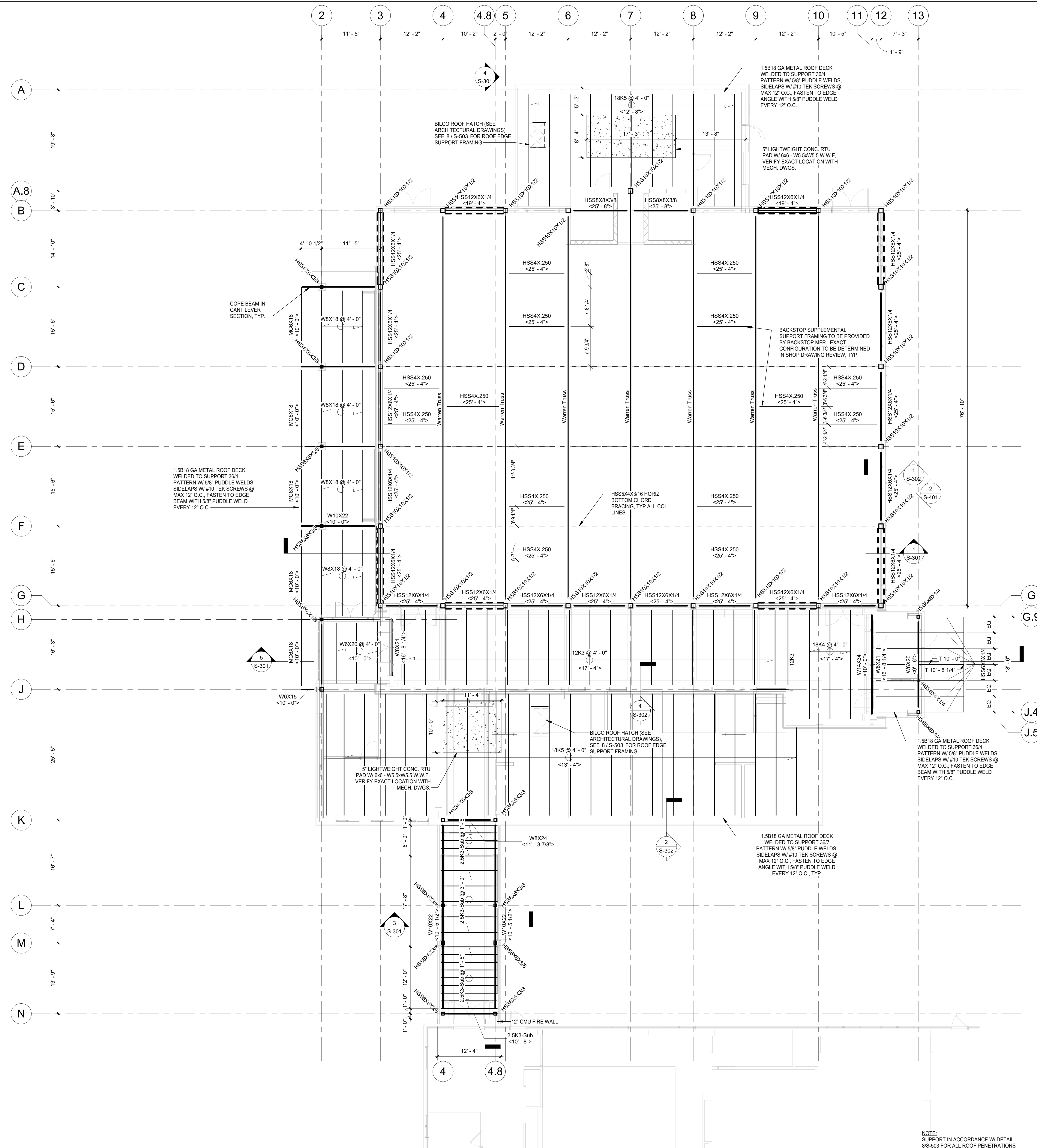
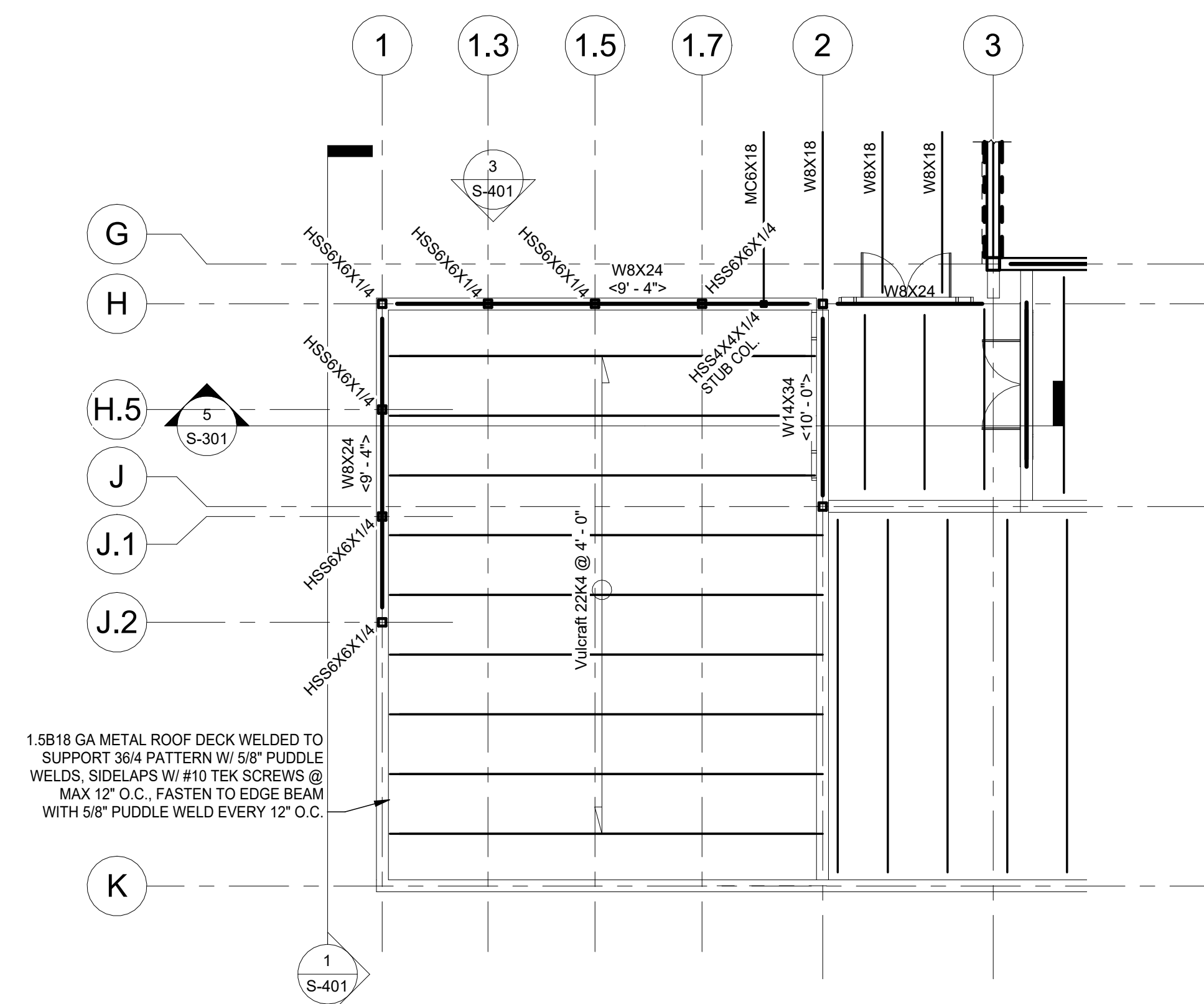
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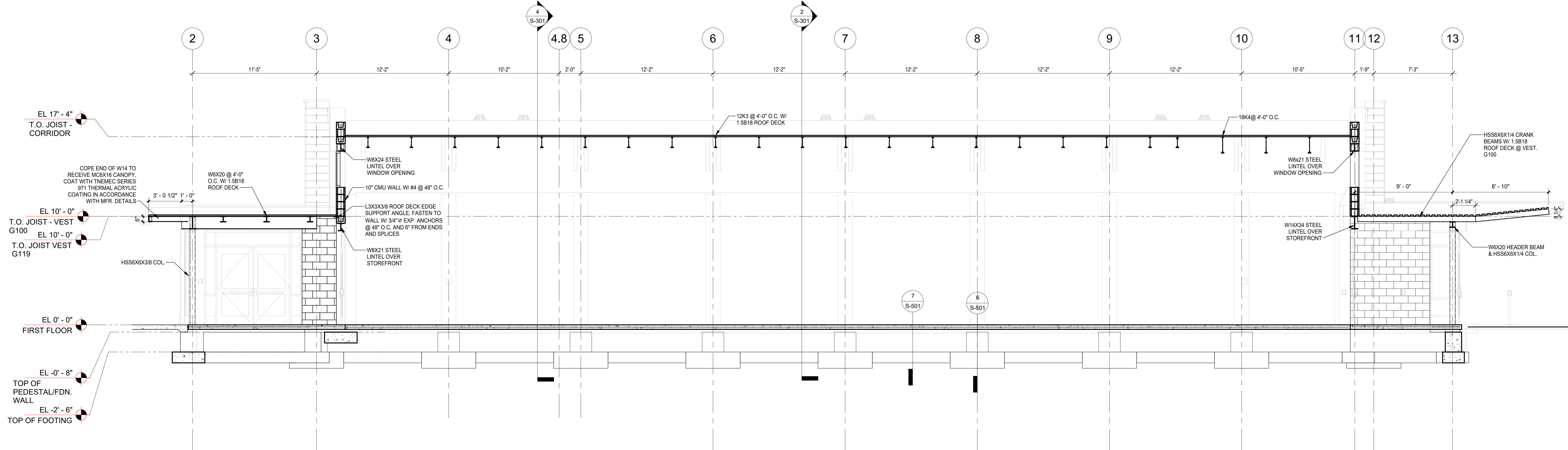
S-103

2 FITNESS ROOM FRAMING PLAN - ADD ALT
1/8" = 1'-0"

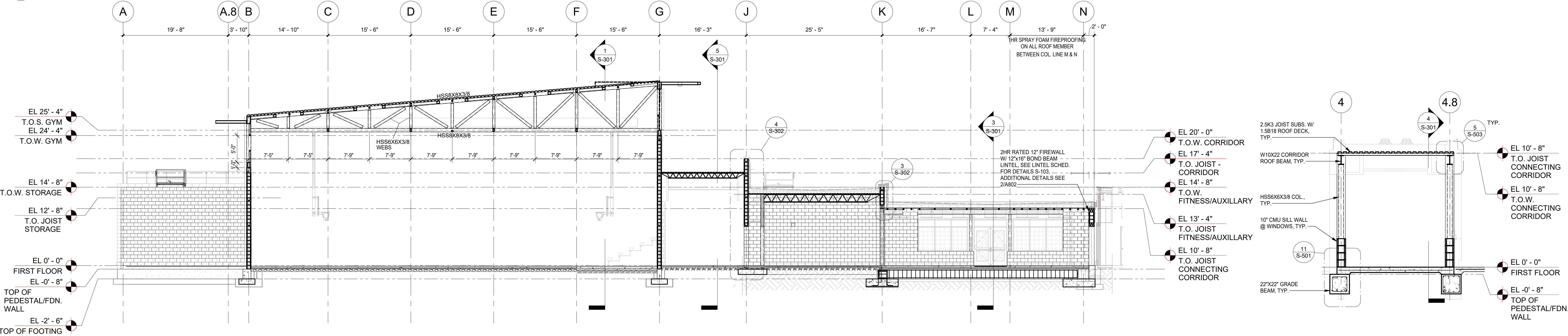
1 LOW ROOF FRAMING PLAN
1/8" = 1'-0"



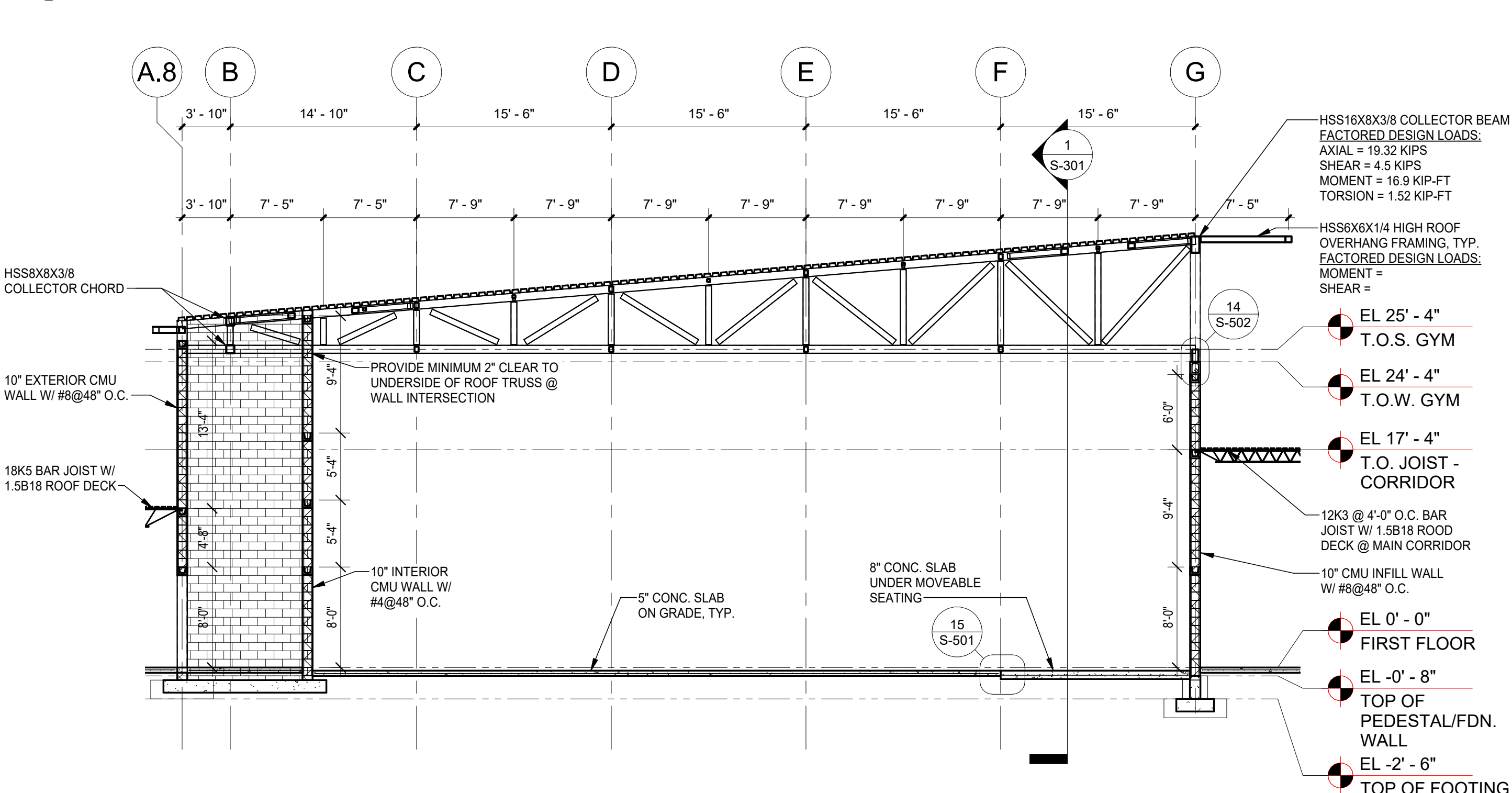
NOTE:
SUPPORT IN ACCORDANCE W/ DETAIL
8/5-503 FOR ALL ROOF PENETRATIONS
AND UNSUPPORTED DECK EDGES.



5 AUXILLARY CORRIDOR SECTION
1/4" = 1'-0"

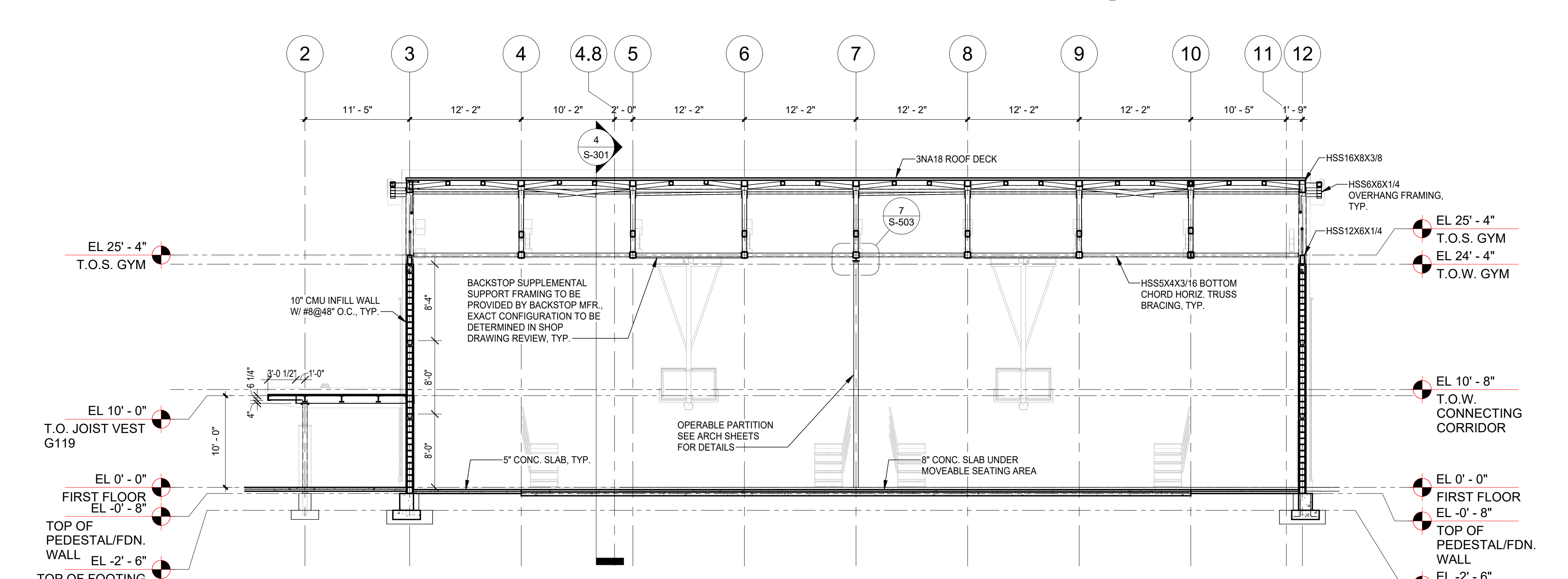


4 FULL BUILDING SECTION - GYMNASIUM - CONNECTING CORRIDOR
1/8" = 1'-0"



2 GYMNASIUM SECTION @ OPERABLE PARTITION
1/8" = 1'-0"

3 CONNECTING CORRIDOR SECTION
1/4" = 1'-0"



1 BUIDLING SECTION @ GYMNASIUM
1/8" = 1'-0"

KEY PLAN

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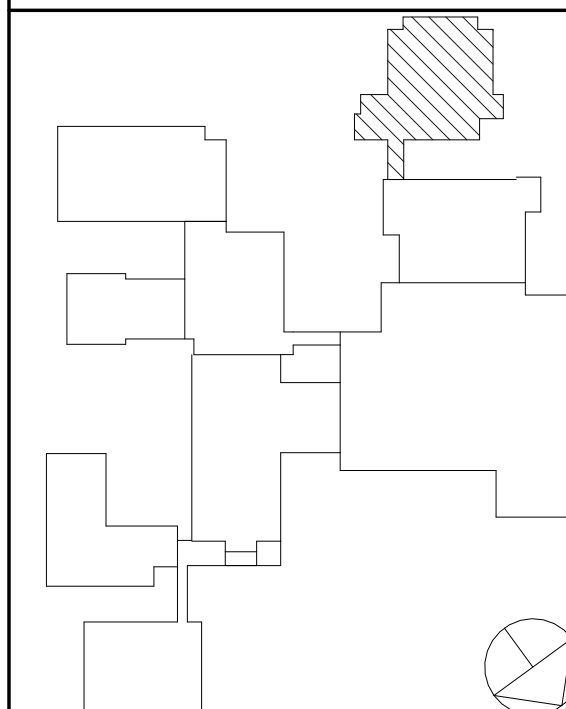
Professional Seal

No.	Date	SED SUBMISSION	Issue
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Sheet Title

BUILDING SECTIONS

Job No.	44-90-00-00-0-035-010	Date	01/26/2024
Scale		Drawn / Checked	WRB/JB WRB
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No.	Date	Issue

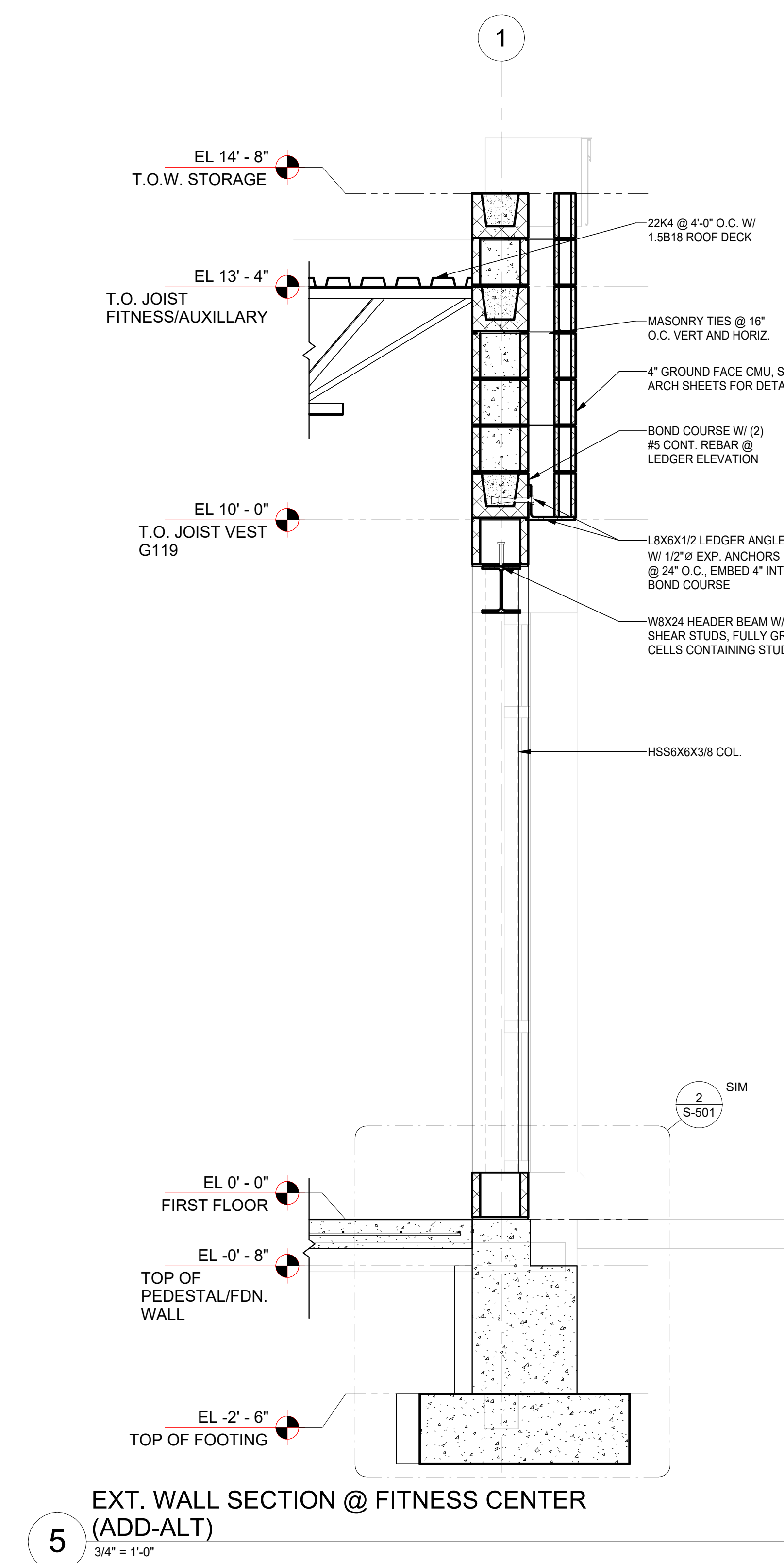
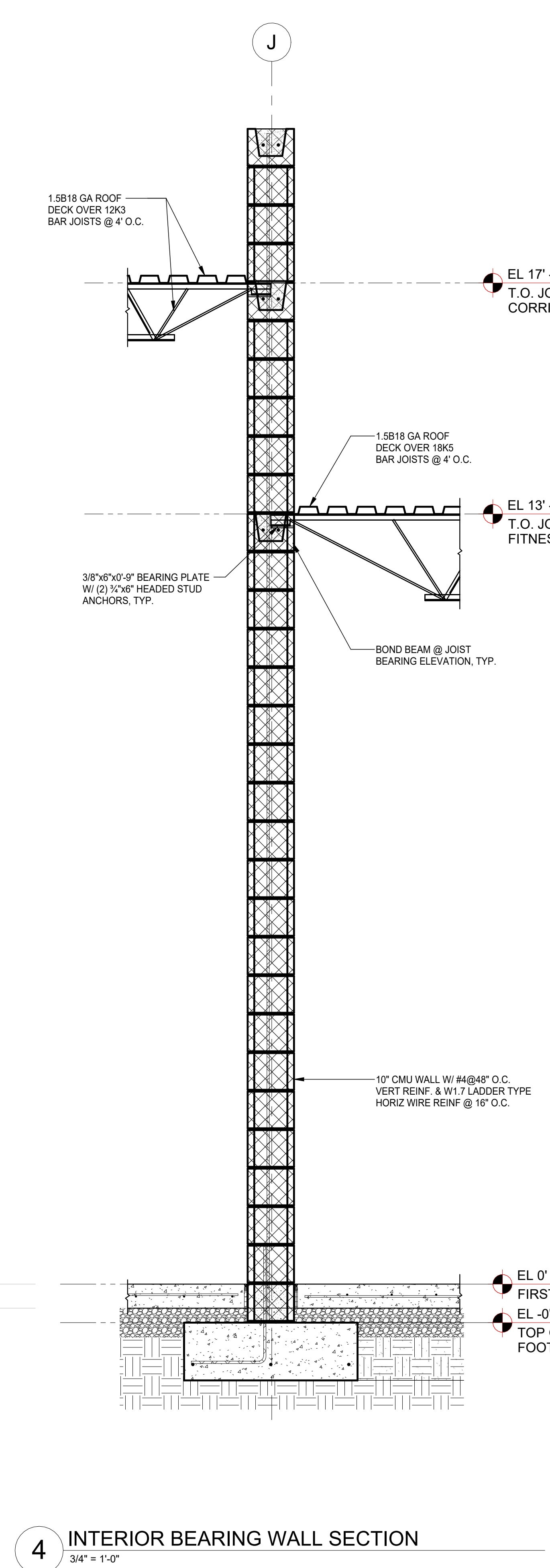
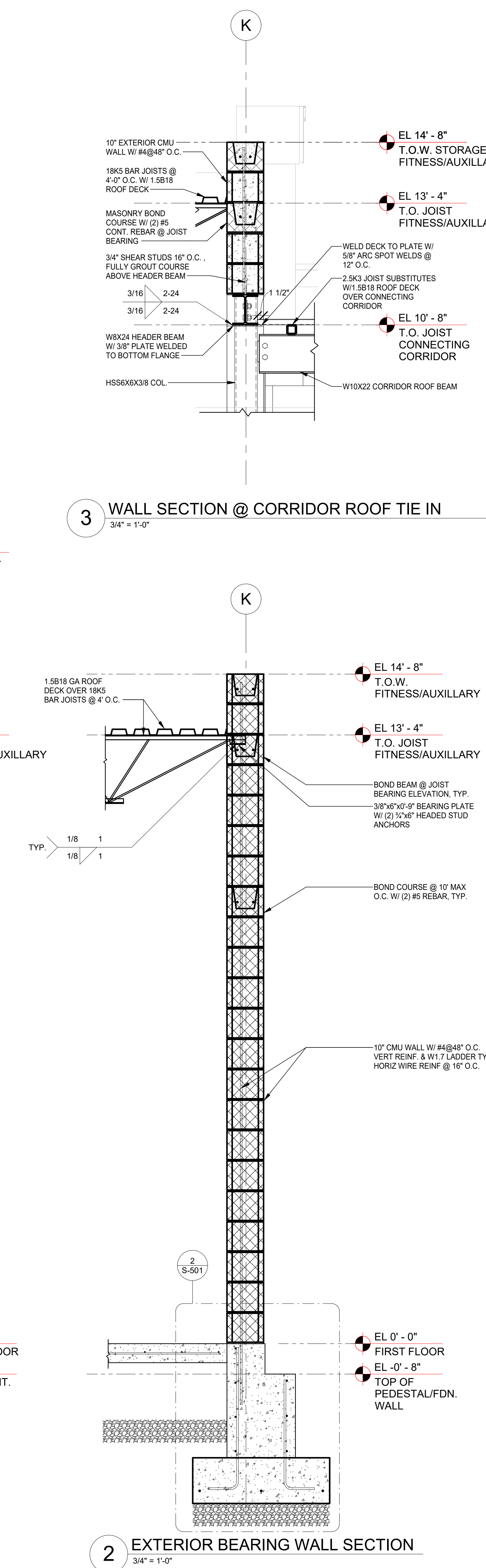
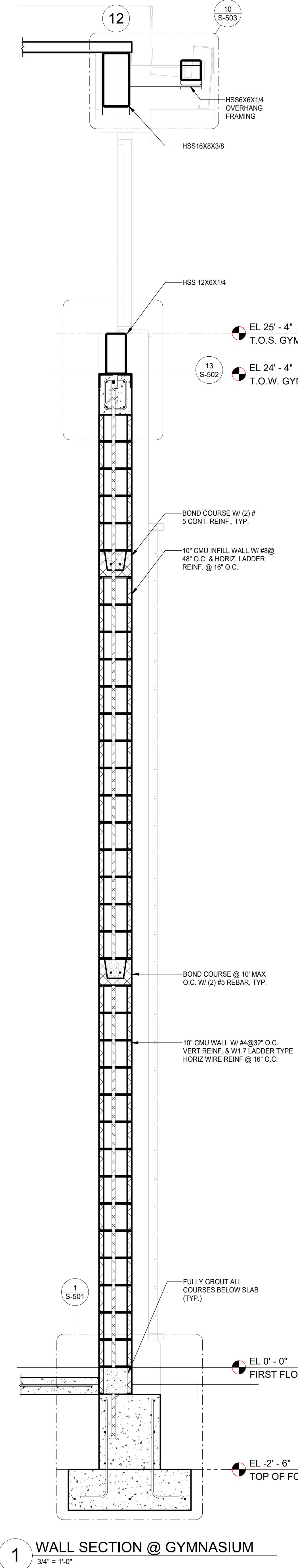
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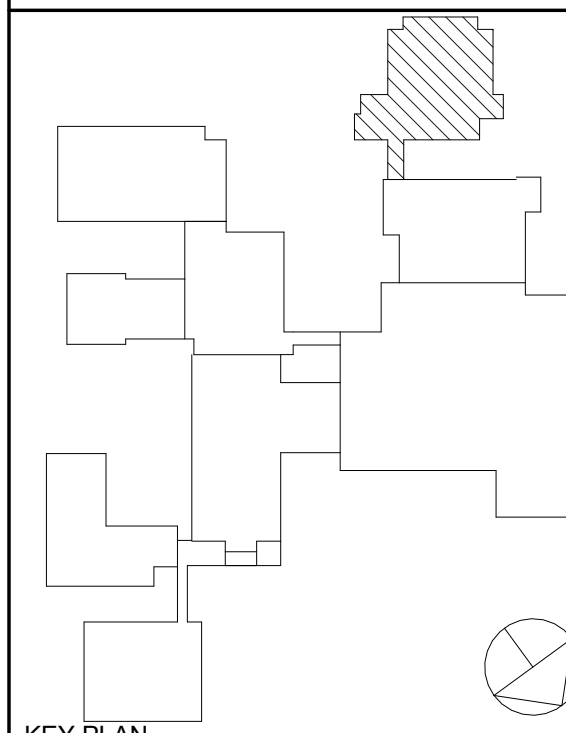
WALL SECTIONS

Job No.	Date
44-90-00-00-0-035-010	01/26/2024
Scale	Drawn / Checked
	WRB/JB WRB

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S-302





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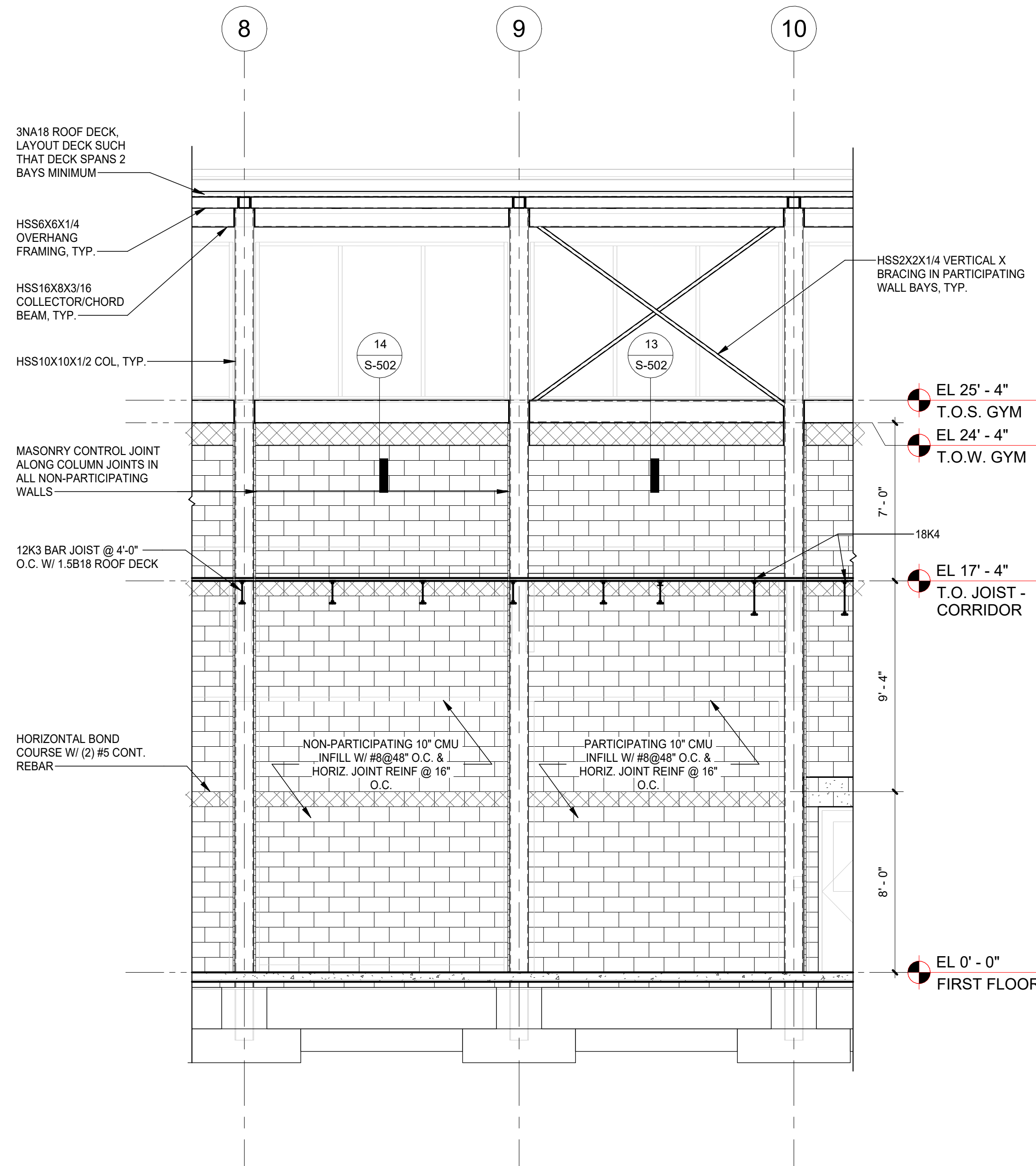
ELEVATIONS AND SECTIONS

Job No. 44-90-00-00-0-035-010 Date 01/26/2024

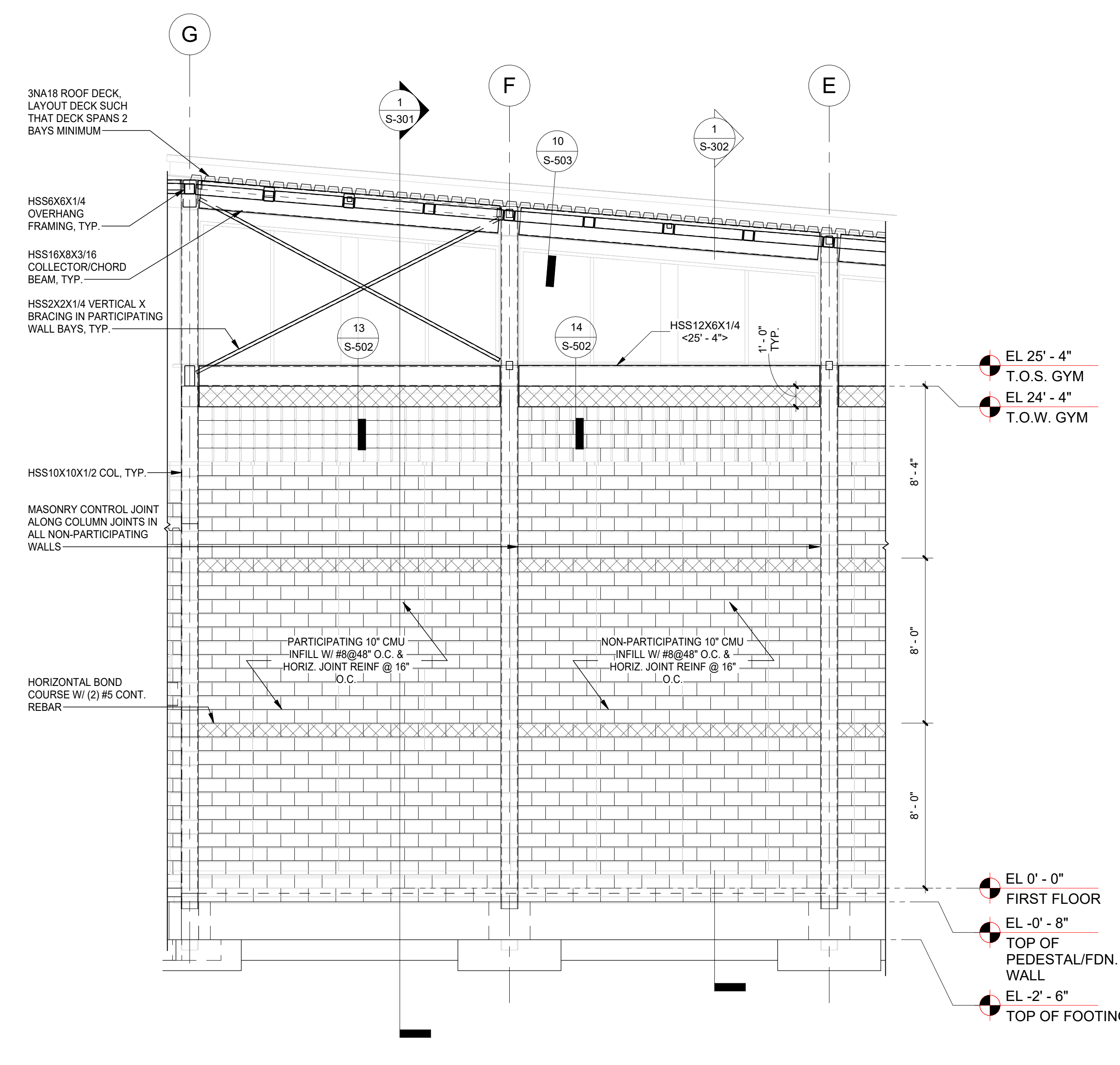
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Sheet Number

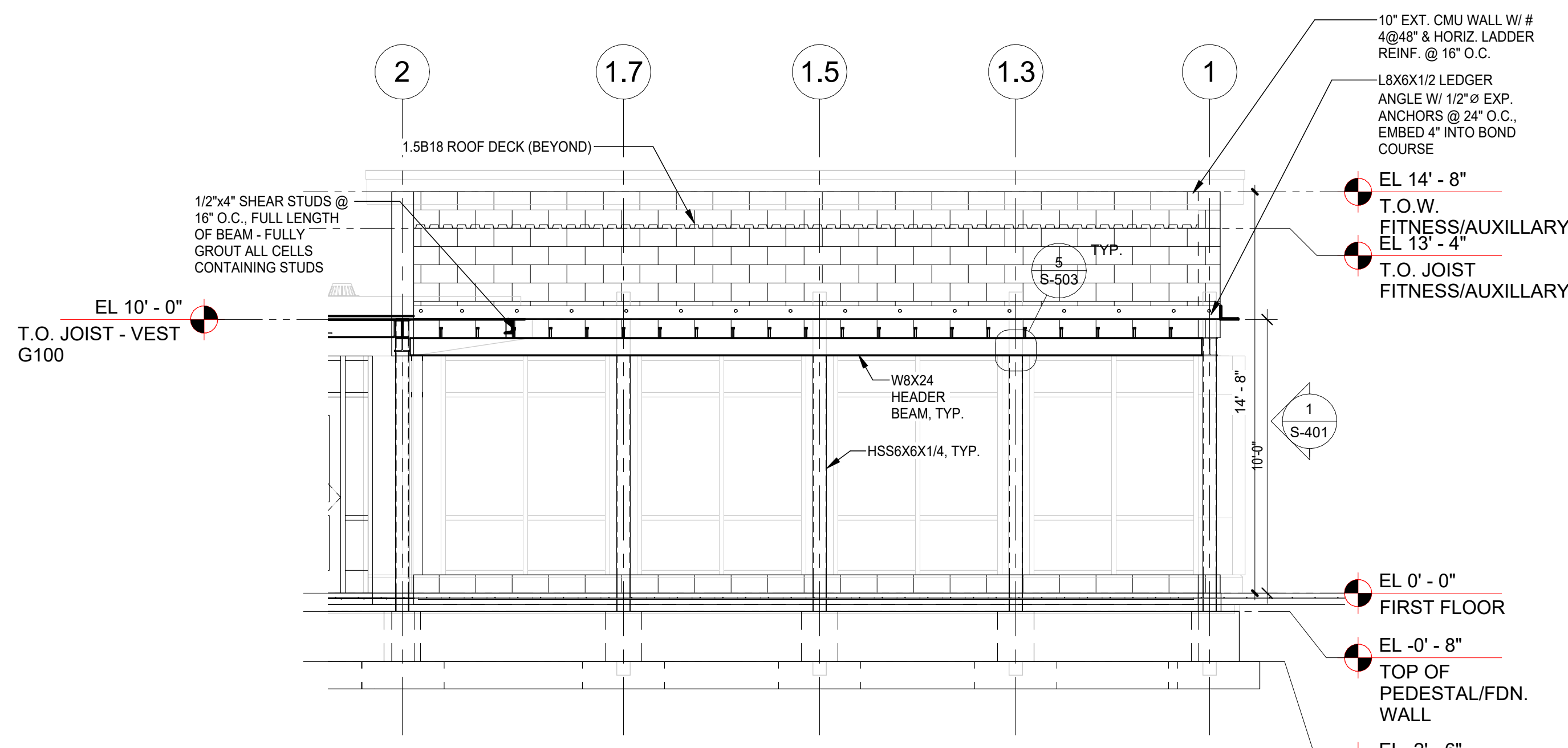
S-401



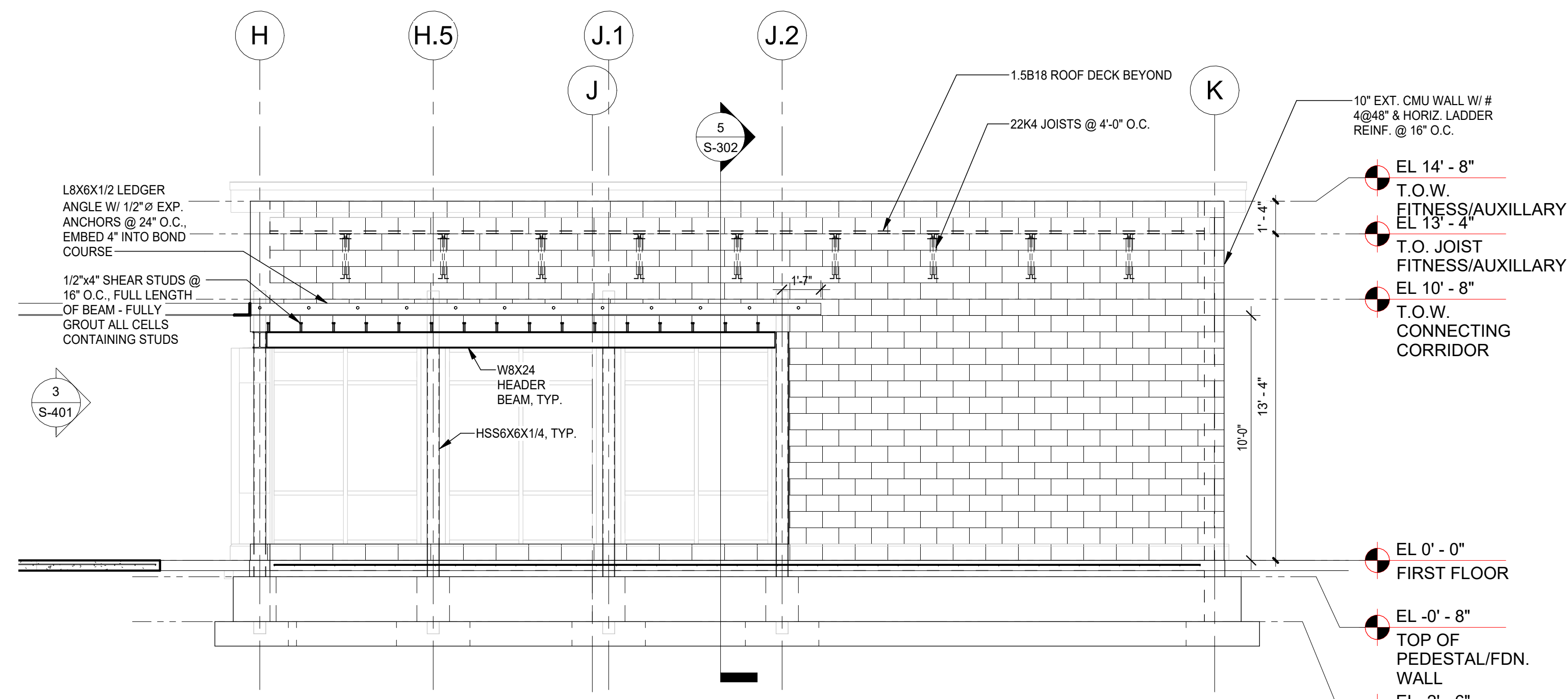
4 CMU INFILL ELEVATION - END WALLS
1/4" = 1'-0"



2 CMU INFILL ELEVATION - SIDE WALLS
1/4" = 1'-0"



3 ELEVATION - NORTH FITNESS CENTER (ADD-ALT)
1/4" = 1'-0"



1 ELEVATION - WEST FITNESS CENTER (ADD-ALT)
1/4" = 1'-0"

**ARDEN HILL -
MAIN BUILDING
ADDITIONS AND
ALTERATIONS**
4 HARRIMAN DRIVE
GOSHEN, NY 10924



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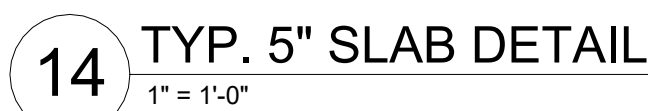
Professional Seal

Sheet Title

FOUNDATION & SLAB
DETAILS

Job No. 44-90-00-00-0-035-010	Date 01/26/2024
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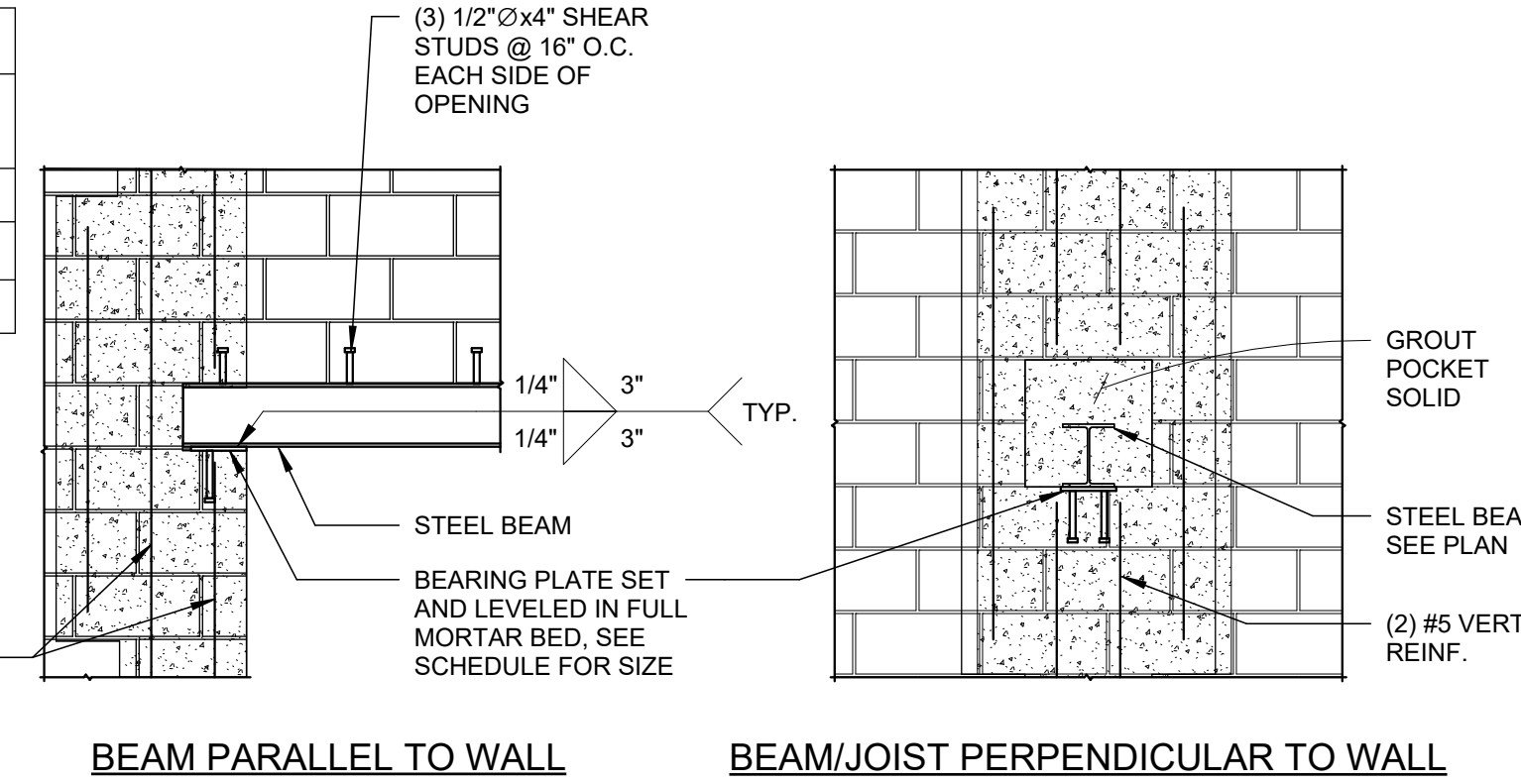
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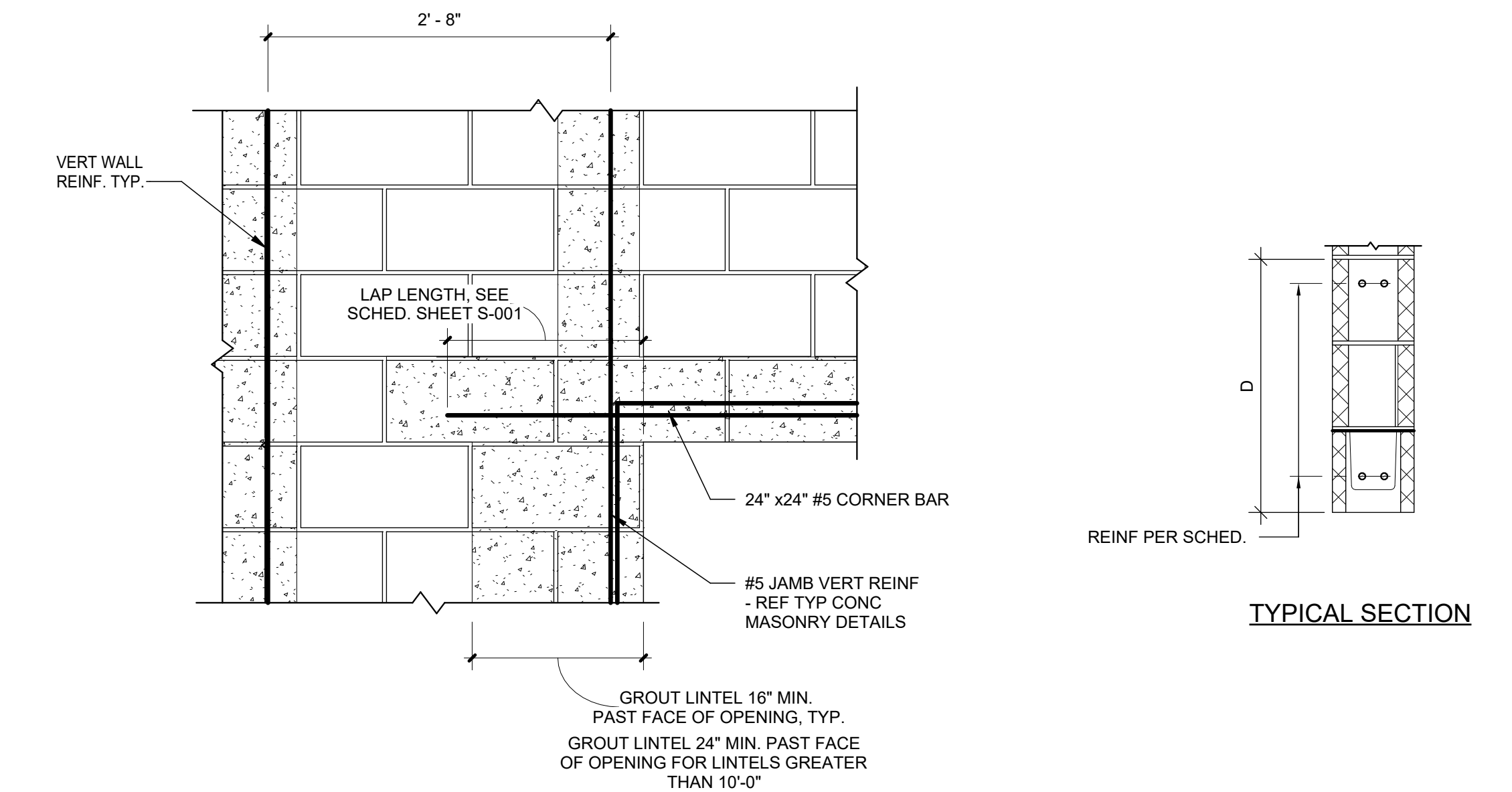
NOTE: FROST WALL REBAR AND FOOTING OMITTED FOR CLARITY

BEARING PLATE SCHEDULE		
BEAM	PLATE SIZE (TxWxL)	HEADED STUDS
W8 & W10	PL3/4x7x7	(2) 1/2"x6" @ 4" O.C.
W12 & W14	PL3/4x7x10	(2) 1/2"x6" @ 5" O.C.
W16	PL3/4x7x10	(2) 1/2"x6" @ 5" O.C.

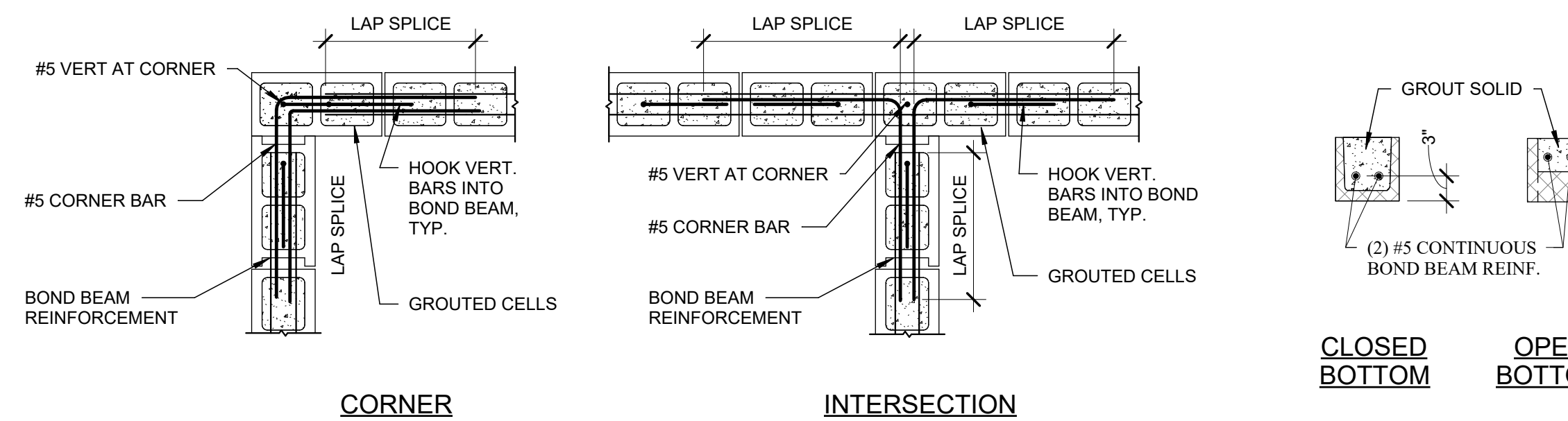
- NOTES:
- WHERE BEAM INTERRUPTS HORIZONTAL WALL REINFORCEMENT @ BOND BEAMS PROVIDE WEB HOLES FOR REBAR AND GROUT SOLID.
 - PROVIDE TOP FLANGE STUDS @ LINTEL OPENINGS.
 - EXISTING "B" & "W" BEAMS ASSUME CORRESPONDING "W" DEPTH.



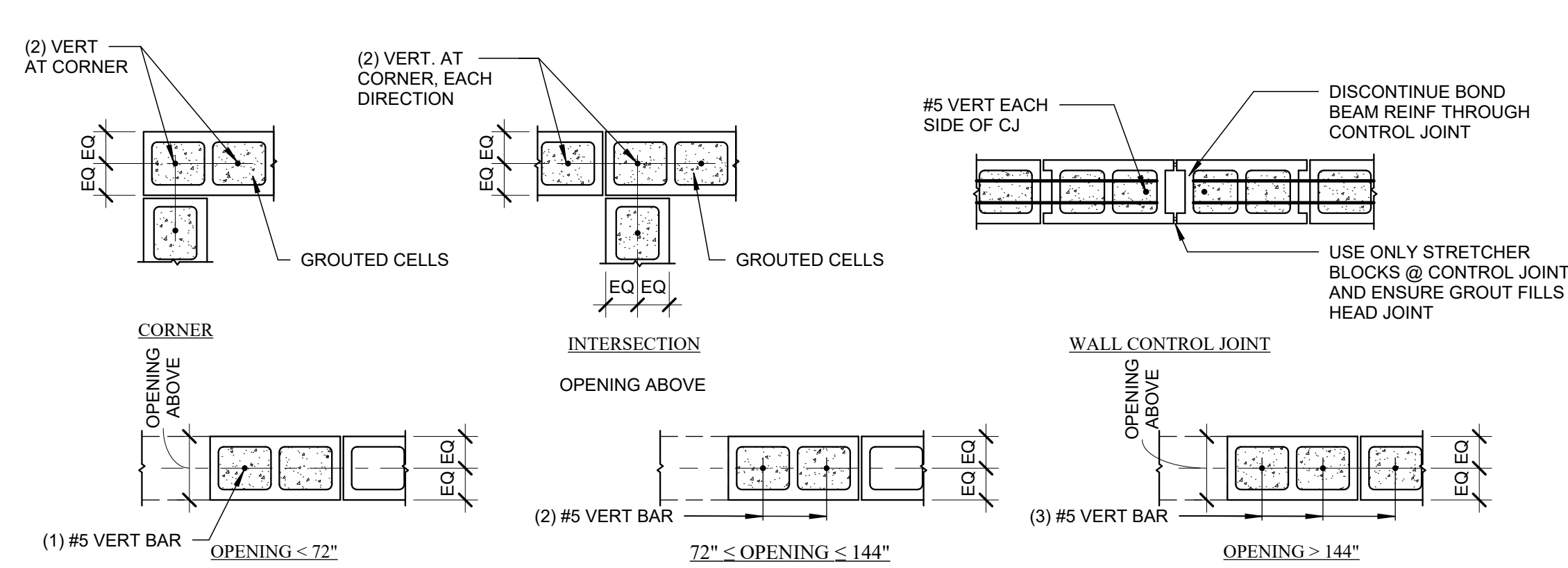
8 BEAM BEARING ON MASONRY DETAILS
1/2" = 1'-0"



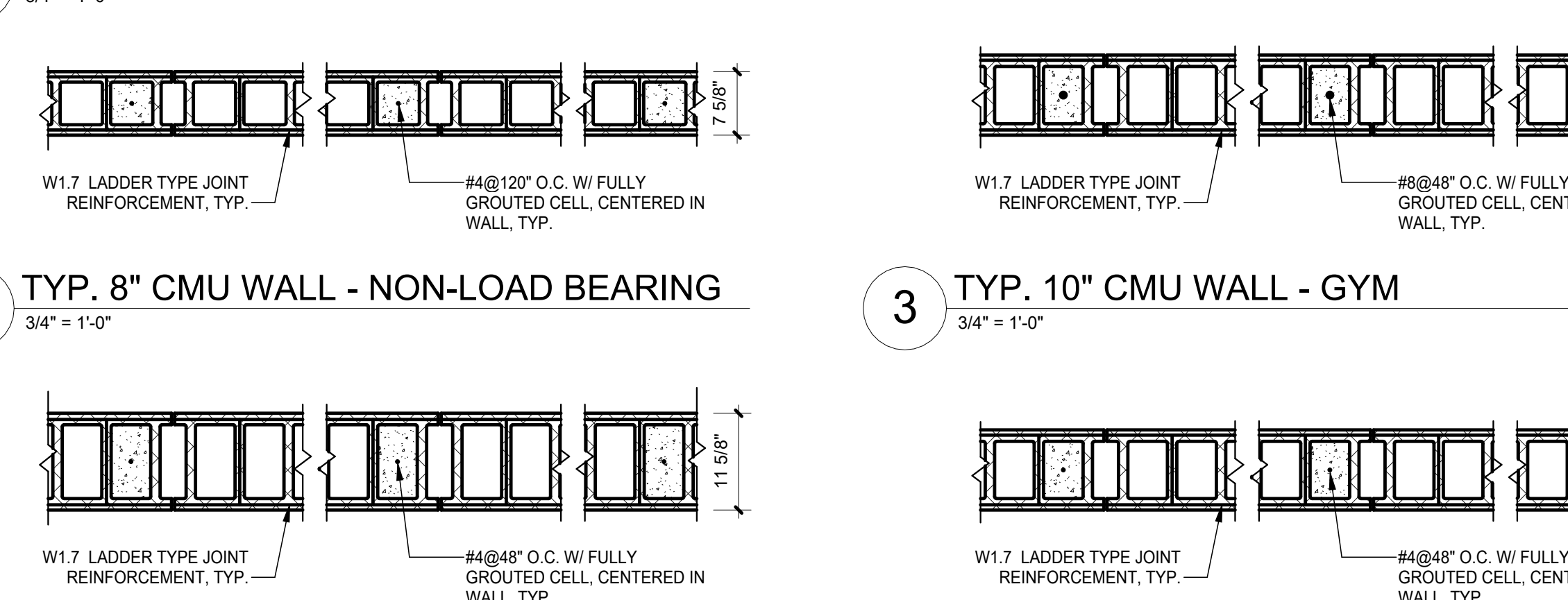
7 TYPICAL CMU WALL LINTELS
1" = 1'-0"



6 TYPICAL BOND BEAM REINFORCING DETAILS
3/4" = 1'-0"



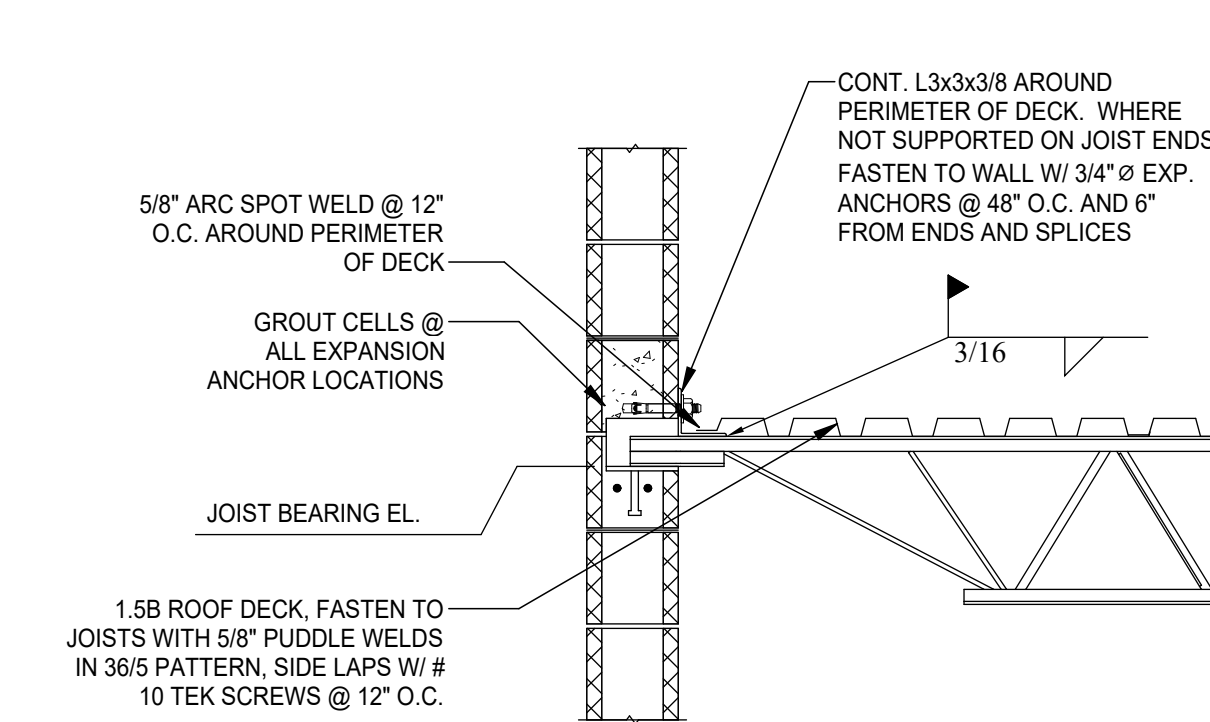
5 TYPICAL CONCRETE MASONRY REINFORCING DETAILS
3/4" = 1'-0"



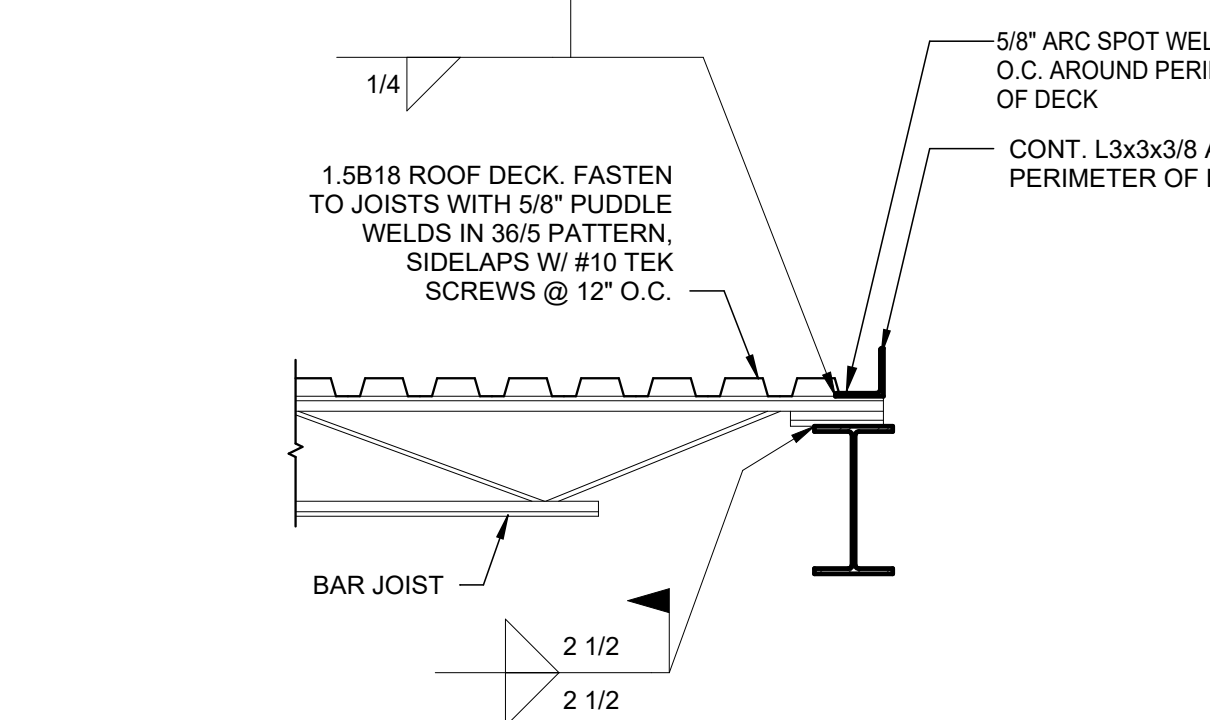
2 TYP. 12" CMU WALL - FIREWALL
3/4" = 1'-0"

1 TYP. 10" CMU WALL - AUXILLARY
3/4" = 1'-0"

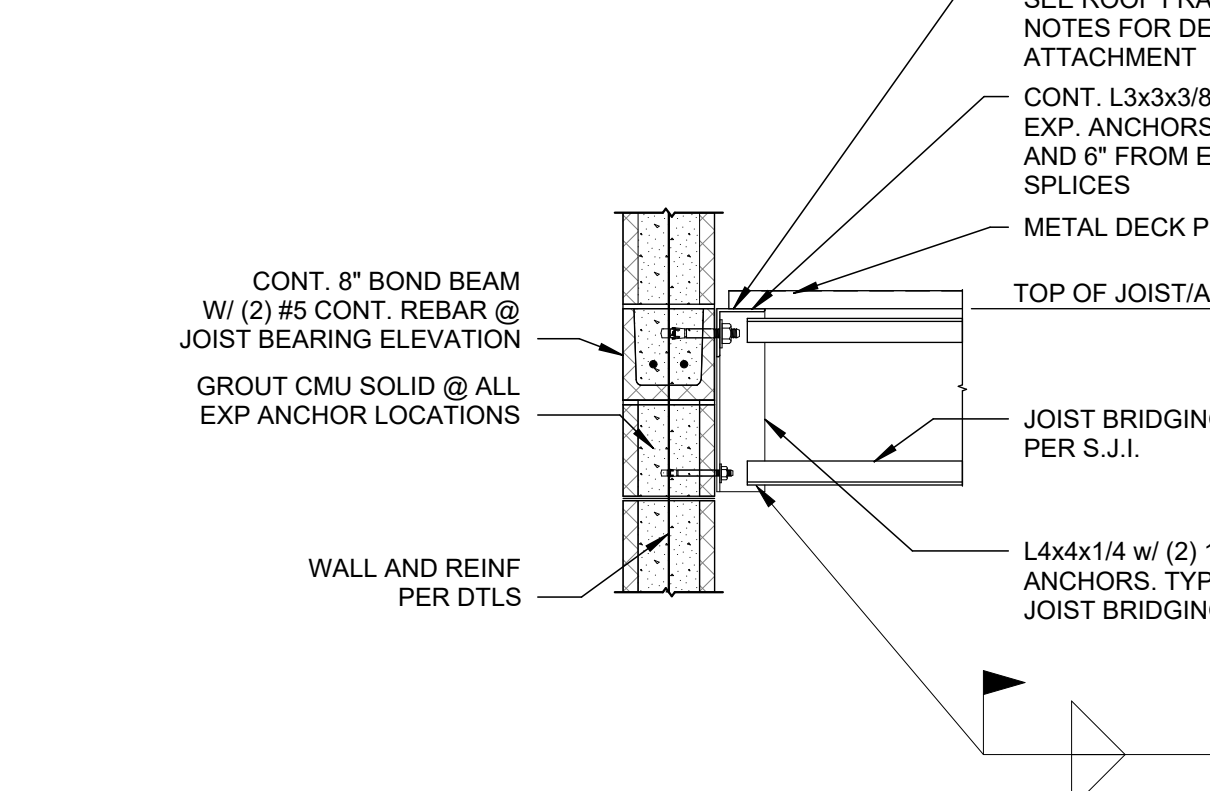
13 CMU INFILL CONC. BOND BEAM - PARTICIPATING
1" = 1'-0"



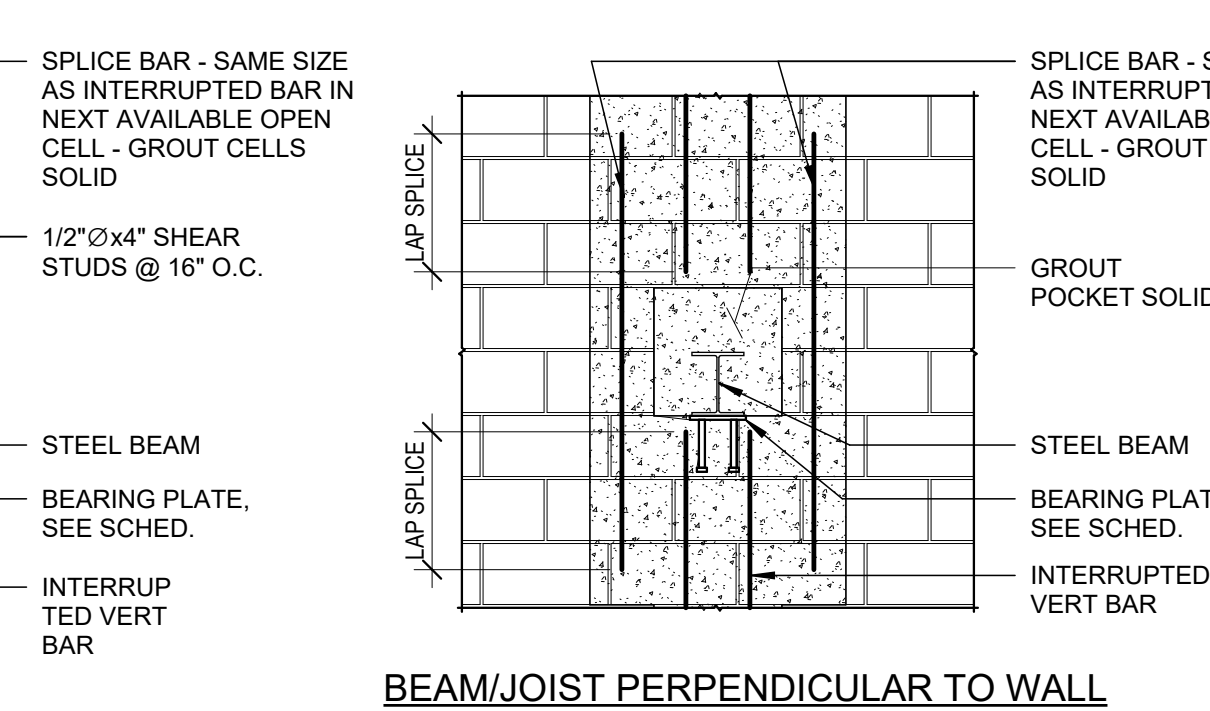
12 METAL DECK ON JOIST ON CMU DETAIL
3/4" = 1'-0"



11 JOIST CONNECTION TO STEEL DETAIL - CORRIDOR
3/4" = 1'-0"

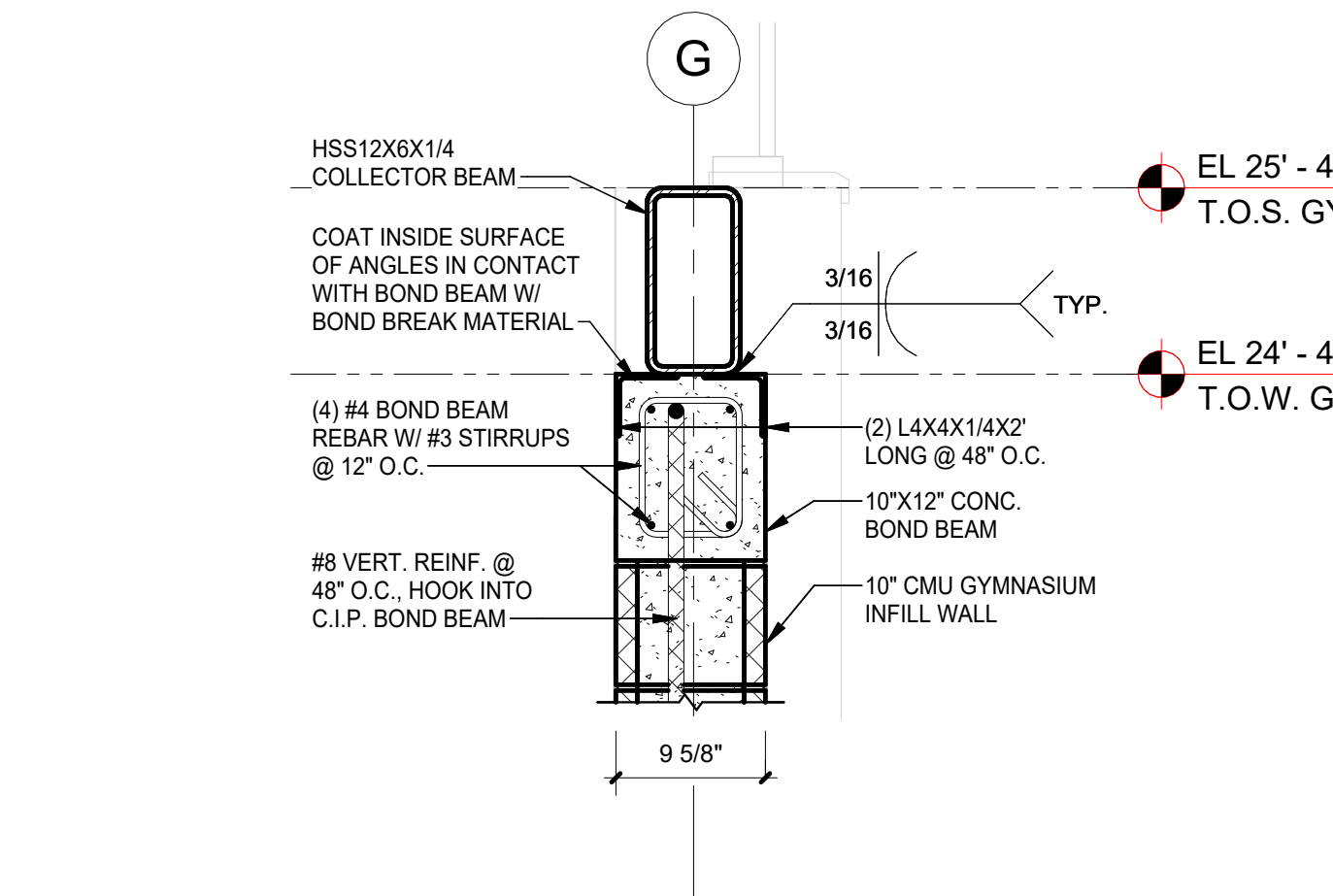


10 JOIST BRIDGING AT WALL
3/4" = 1'-0"



9 TYPICAL OFFSET SPLICE AT MASONRY WALL
1/2" = 1'-0"

14 CMU INFILL CONC. BOND BEAM - NON-PARTICIPATING
1" = 1'-0"





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STRUCTURAL STEEL DETAILS

Job No. 44-90-00-00-0-035-010	Date 01/26/2024
Scale	Drawn / Checked WRB/JB WRB

Sheet Number

S-503

CONSTRUCTION & DEMOLITION KEYNOTES	
2	REMOVE EXIST DOOR, JAMB AND ALL ASSOCIATED HARDWARE. EXIST OPENING TO REMAIN. PREP FOR NEW DOOR INSTALLATION - COORD. W/ NEW CONSTRUCTION
3	CREATE NEW OPENING IN EXIST WALL & SAW CUT AS REQ. PATCH & MATCH TO EXIST ADJACENT SURFACES. PROVIDE NEW LINTELS IN EXIST MASONRY WALLS AS REQ. - COORD WITH STRUCTURAL & NEW CONSTRUCTION
4	FULL ROOM DEMO - REMOVE INTERIOR WALL PARTITION, DOOR, CEILING, FLOOR FINISHES, BUILT-INS, CASEWORK, AND LIGHTING. PATCH & MATCH ADJACENT SURFACES. PREP FOR NEW WORK IN THIS AREA. SEE NEW CONSTRUCTION DWGS FOR MORE INFORMATION.
5	REMOVE & DISPOSE CEILINGS, LIGHTING & ASSOCIATED HARDWARE. PREP FOR NEW WORK.





ORANGE-ULSTER BOCES
**ARDEN HILL -
MAIN BUILDING
ADDITIONS AND
ALTERATIONS**
4 HARRIMAN DRIVE
GOSHEN, NY 10924

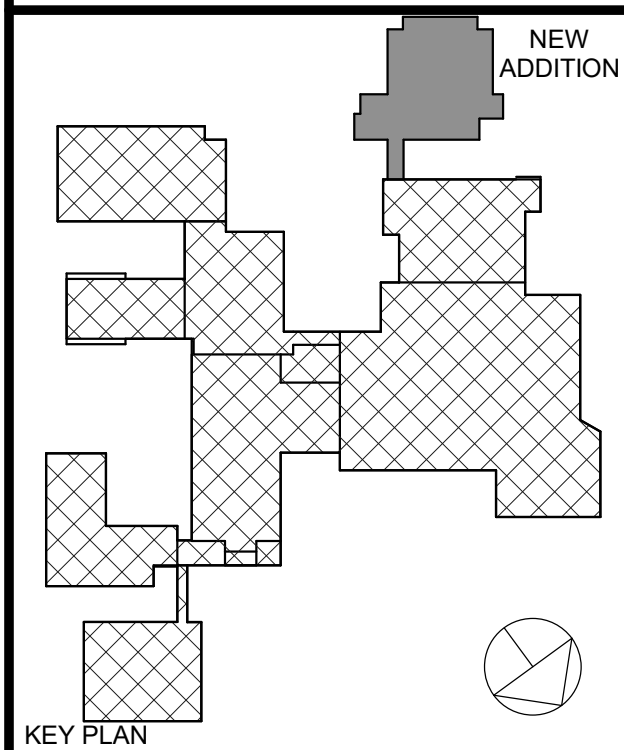
KG+D listen
imagine
build
KG+D . ARCHITECTS PC
385 MAIN STREET MOUNT KISCO, NEW YORK, 10549
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO. #
44-90-00-00-0-035-010

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DEMOLITION NOTES

-  DENOTES AREA OF NO MAJOR ARCHITECTURAL WORK. SPECIFIC WORK MAY BE SHOWN ELSEWHERE INCLUDING WORK THAT MAY REQUIRE ACCESS, PATCHING & RESTORATION. REFER TO STRUCTURAL & M.E.P. DWGS.
-  DENOTES AREA OF EXISTING ROOF TO BE REMOVED. DEMO ROOF DOWN TO SUBSTRATE - PREP FOR ROOF REPLACEMENT - REFER TO NEW CONSTRUCTION ROOF PLAN AND DETAILS
-  DENOTES EXISTING CONSTRUCTION TO BE DEMOLISHED (U.N.O.).
-  DENOTES EXISTING WALL TO REMAIN
- PRIOR TO ANY DEMOLITION CONTRACTORS ARE REQUIRED TO BE FAMILIAR WITH EXISTING CONDITIONS. SHORING MAY BE NEEDED INCLUDING INSTALLATION OF LINTELS PRIOR TO THE REMOVAL OF ANY BUILDING ELEMENT.
- COORDINATE ALL DEMOLITION W/ M.E.P. REMOVALS. NOTE ALL WIRING, DEVICES & M.E.P. SYSTEMS NOT BEING REMOVED AS PART OF THE WORK, WHICH RUN THROUGH THE WORK AREA, SHALL BE TESTED, LABELED & PROTECTED FROM DISTURBANCE SO THEY REMAIN OPERATIONAL THROUGHOUT THE PROJECT.



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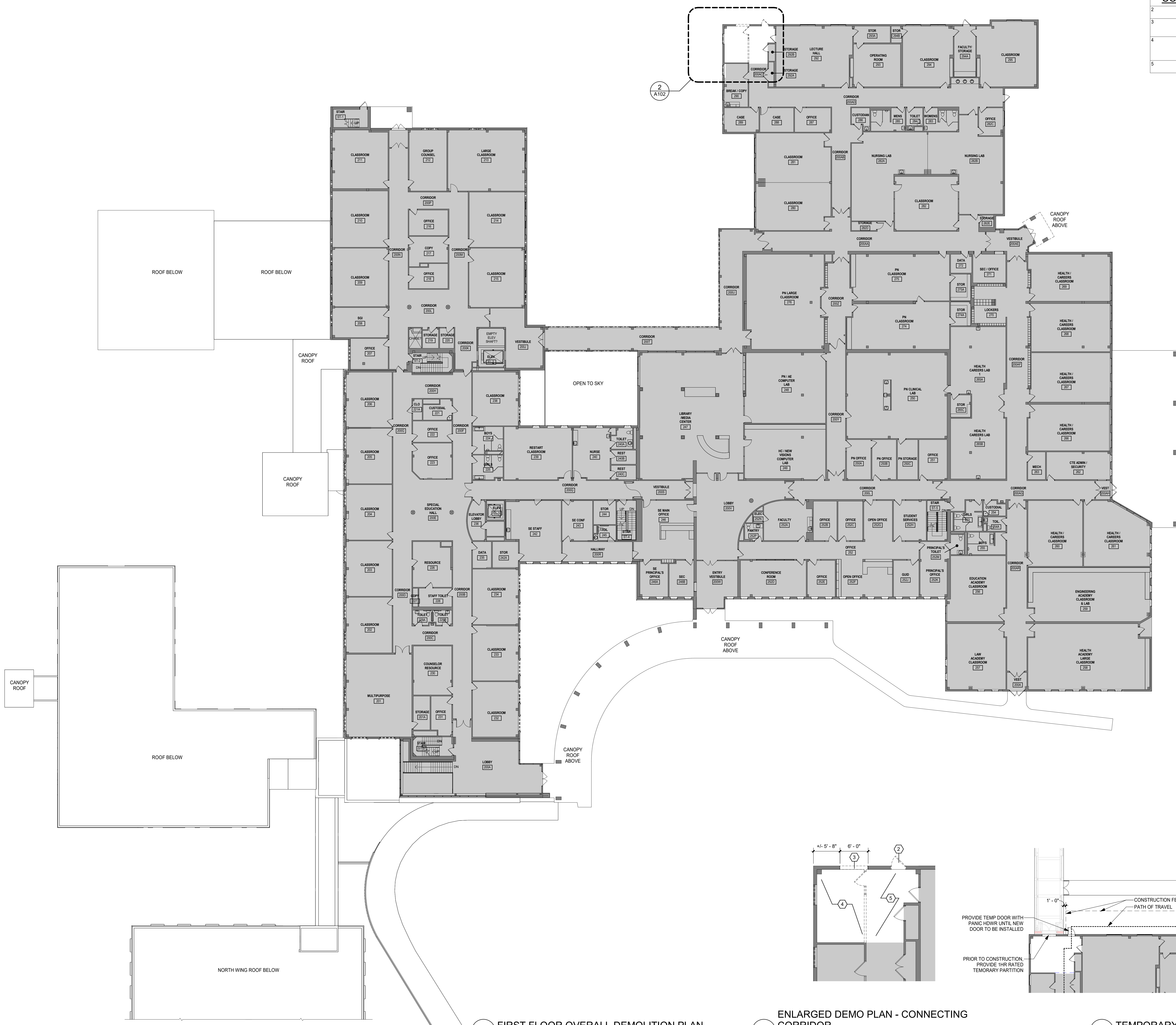
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2	01/09/2025	ISSUED FOR BID
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Sheet Title

OVERALL 1ST FLOOR PLAN DEMOLITION

Job No.	2023-1012	Date	01/26/2024
Scale	AS NOTED	Drawn / Checked	Author / Checker
Sheet Number	A102		

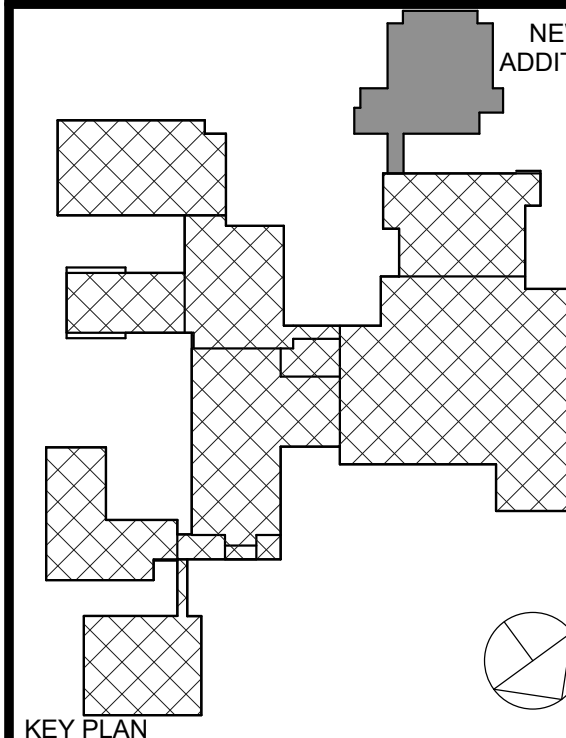


ORANGE-ULSTER BOCES
ARDEN HILL -
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ADDITIONS AND
ALTERATIONS
4 HARRIMAN DRIVE
GOSHEN, NY 10924

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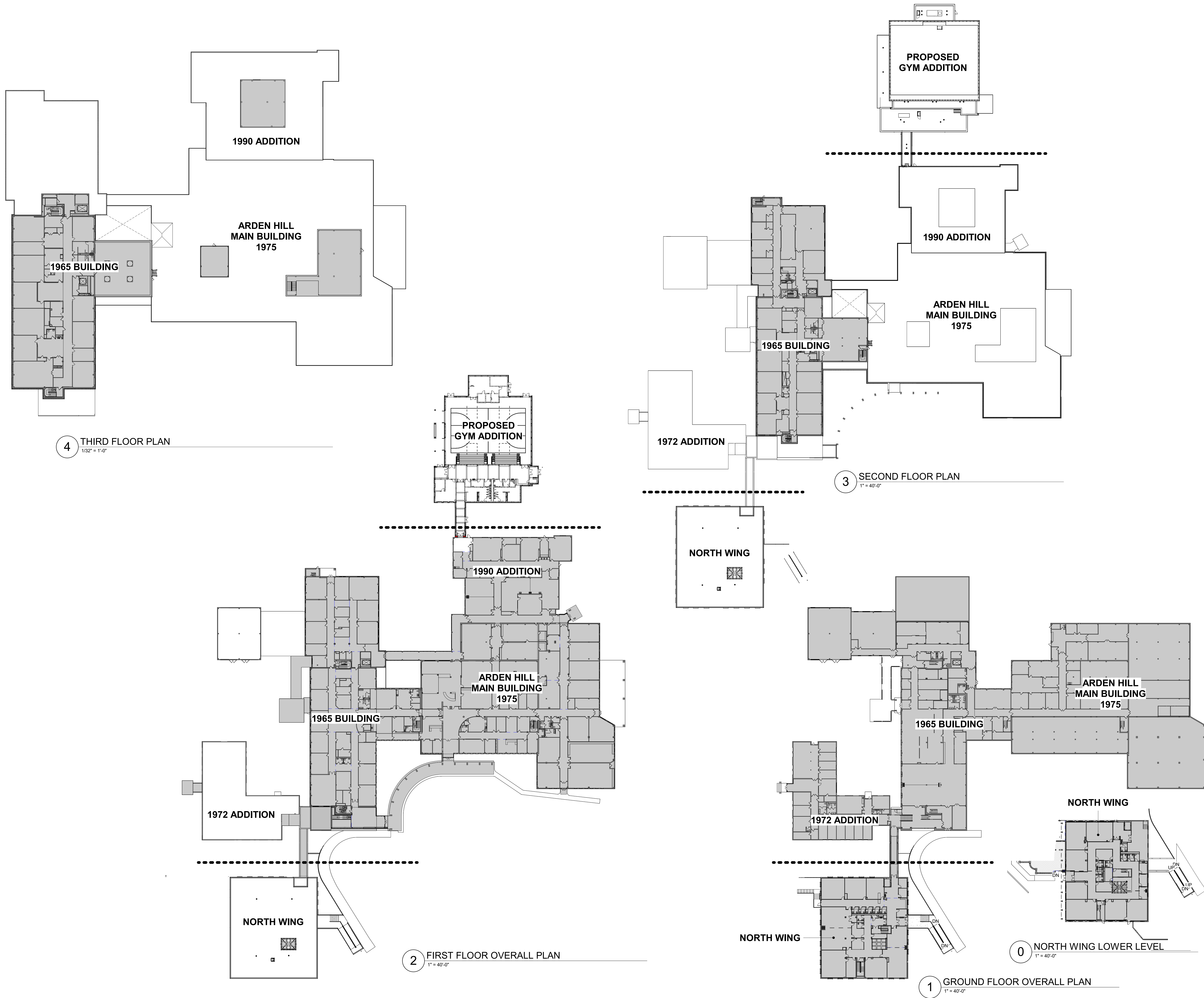
Sheet Title

OVERALL PLANS

Job No.	2023-1012	Date	01/26/2024
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Sheet Number

A200



ORANGE-ULSTER BOCES
ARDEN HILL -
MAIN BUILDING
ADDITIONS AND
ALTERATIONS
4 HARRIMAN DRIVE
GOSHEN, NY 10924



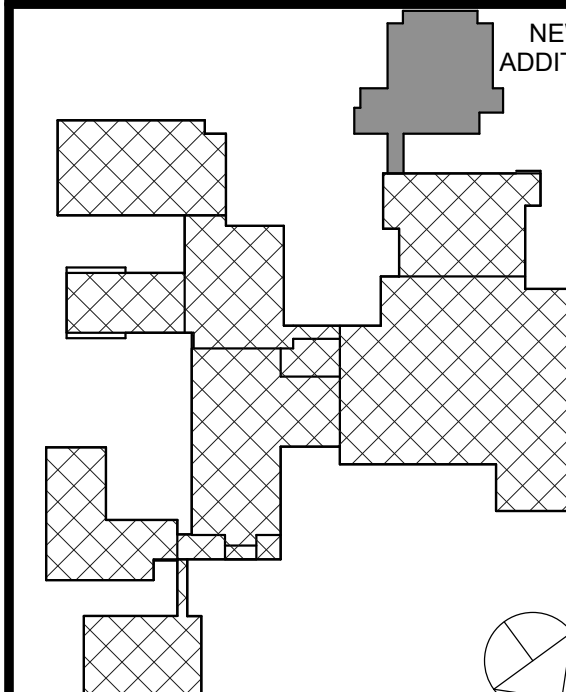
KG+D . ARCHITECTS PC
385 MAIN STREET MOUNT KISCO, NEW YORK 10549
P:914.666.5900 KGDARCHITECTS.COM

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44-90-00-00-0-035-010

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GENERAL NOTES

- 1 DENOTES AREA OF NO MAJOR ARCHITECTURAL RENOVATION WORK. SPECIFIC WORK MAY BE SHOWN ELSEWHERE. REFER TO M.E.P. DWGS.
- 2 101 DENOTES DOOR NUMBER SEE A802 FOR DOOR SCHEDULE. SEE SPECS. FOR HARDWARE SETS & INFO.
- 3 RW DENOTES RESCUE WINDOW SEE A903.
- 4 DENOTES EXISTING WALL TO REMAIN (MOST EXISTING WALLS ARE MASONRY).
- 5 DENOTES 2hr RATED WALL.
- 6 DENOTES WALL TYPE & FIRE RATING, WHERE SHOWN (SEE A801).
- 7 DENOTES HOLLOW METAL FRAME w/ SIDELITE OR TRANSOM (SEE A903).
- 8 FINISH SCHEDULE & ABBREVIATION LIST - SEE DWG. A501.
- 9 ALL CORRIDOR WALLS ARE TO HAVE AT LEAST A 1hr FIRE RATING (EVEN IF NOT LABELED).
- 10 DIMENSIONS SHOWN FOR INTERIOR WALLS ARE: FACE OF STRUCTURE OR FACE OF CMU.
- 11 FACE OF ADJACENT WALL TO EDGE OF DOOR FRAME IS 4" (TYP) U.N.O. (SEE A & B ON A802).
- 12 MB8, TB4 - DENOTES MARKERBOARD OR TACKBOARD OF SPECIFIED LENGTH (FT).
- 13 SB - DENOTES "SMART BOARD" FURNISHED BY OWNER, INSTALLED BY G.C.
- 14 DENOTES EXISTING DOOR TO REMAIN (U.N.O.).
- 101 DENOTES NEW DOOR, FRAME, & HARDWARE. SEE NOTE 2 (ABOVE).



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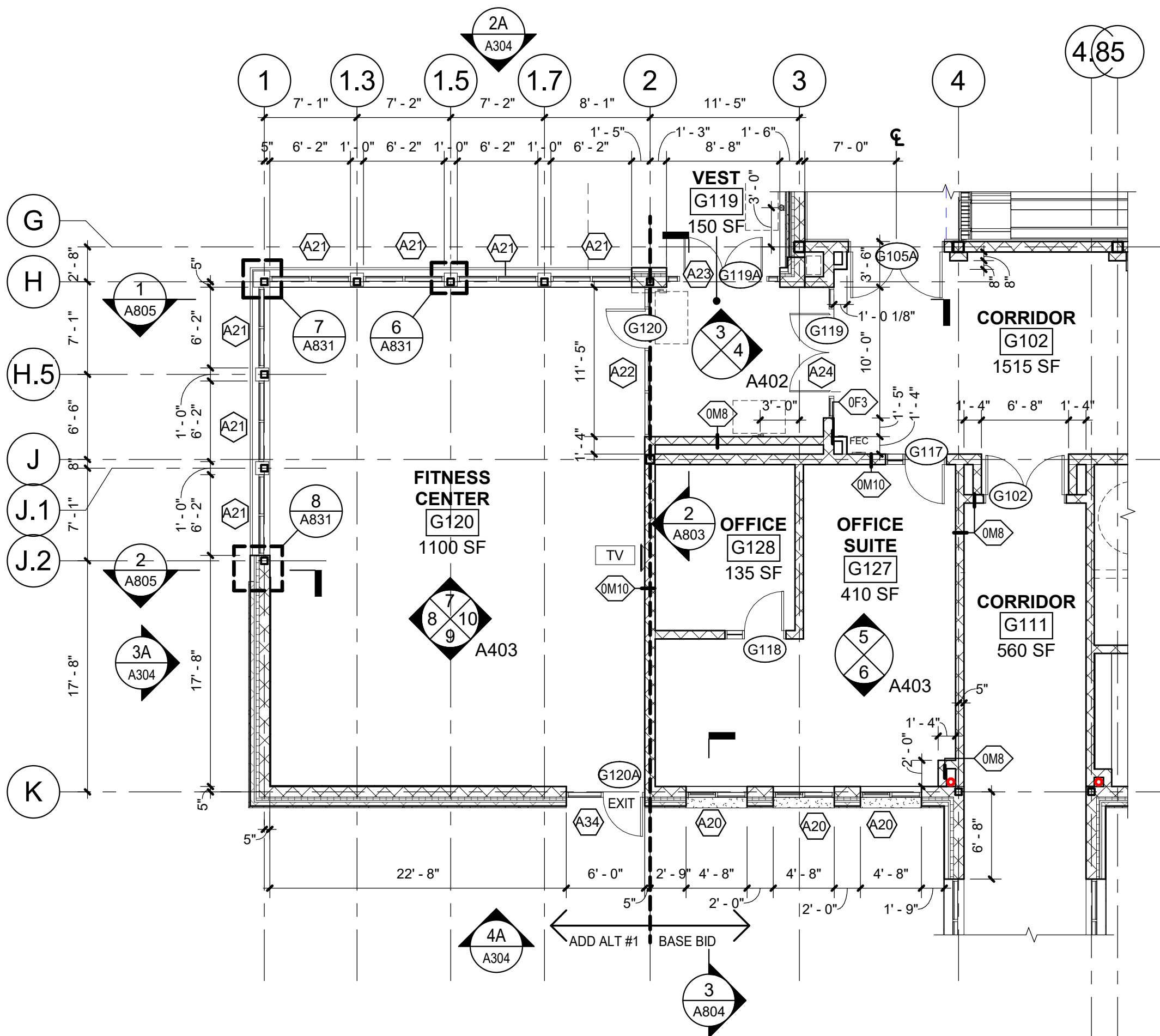
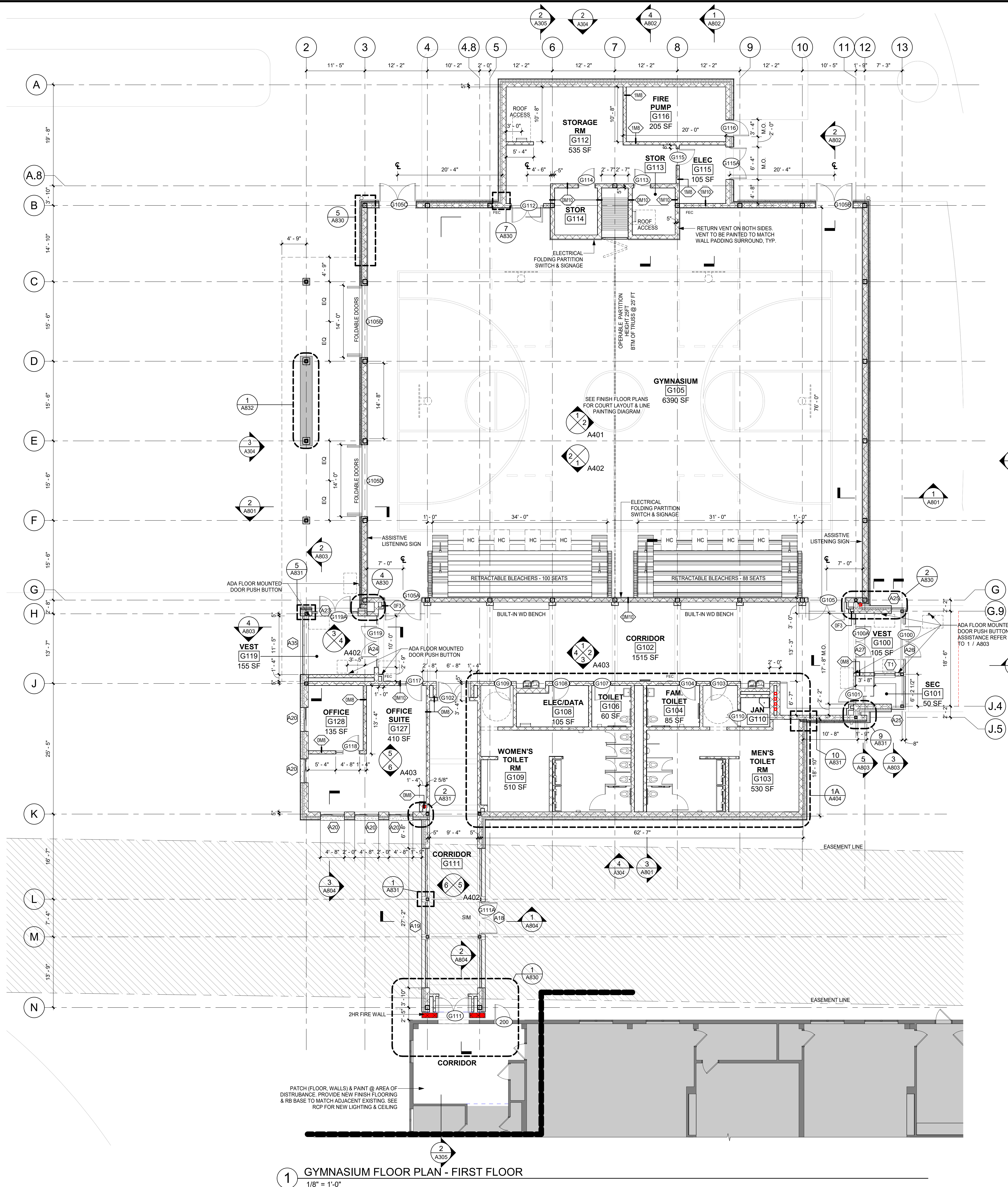
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GYMNASIUM FLOOR PLAN

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Scale		Drawn / Checked	Author / Checker

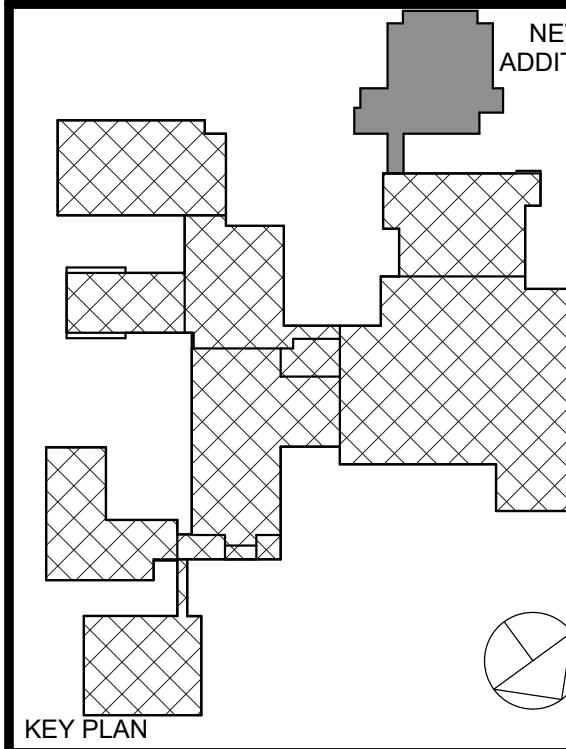
Sheet Number

A202A



1 GYMNASIUM FLOOR PLAN - FIRST FLOOR
1/8" = 1'-0"

- GENERAL NOTES**
- DENOTES AREA OF NO MAJOR ARCHITECTURAL RENOVATION WORK. SPECIFIC WORK MAY BE SHOWN ELSEWHERE, REFER TO M.E.P. DWGS. FOR HARDWARE SETS & INFO
 - DENOTES DOOR NUMBER SEE A802 FOR DOOR SCHEDULE. SEE SPECS. FOR HARDWARE SETS & INFO
 - RW DENOTES RESCUE WINDOW SEE A803
 - DENOTES EXISTING WALL TO REMAIN (MOST EXISTING WALLS ARE MASONRY)
 - DENOTES 2hr RATED WALL
 - DENOTES WALL TYPE & FIRE RATING, WHERE SHOWN (SEE A801)
 - DENOTES HOLLOW METAL FRAME w/ SIDELITE OR TRANSOM (SEE A803)
 - FINISH SCHEDULE & ABBREVIATION LIST - SEE DWG. A801
 - ALL CORRIDOR WALLS ARE TO HAVE AT LEAST A 1hr FIRE RATING (EVEN IF NOT LABELED)
 - DIMENSIONS SHOWN FOR INTERIOR WALLS ARE: 'FACE OF STRUCTURE' OR 'FACE OF CMU'
 - FACE OF ADJACENT WALL TO EDGE OF DOOR FRAME IS 4" (TYP) U.N.O. (SEE A & B ON A802)
 - MB8, TB4 - DENOTES MARKERBOARD OR TACKBOARD OF SPECIFIED LENGTH (FT)
 - SB - DENOTES "SMART BOARD" FURNISHED BY OWNER, INSTALLED BY G.C.
 - DENOTES EXISTING DOOR TO REMAIN (U.N.O.)
 - DENOTES NEW DOOR, FRAME & HARDWARE, SEE NOTE 2 (ABOVE)



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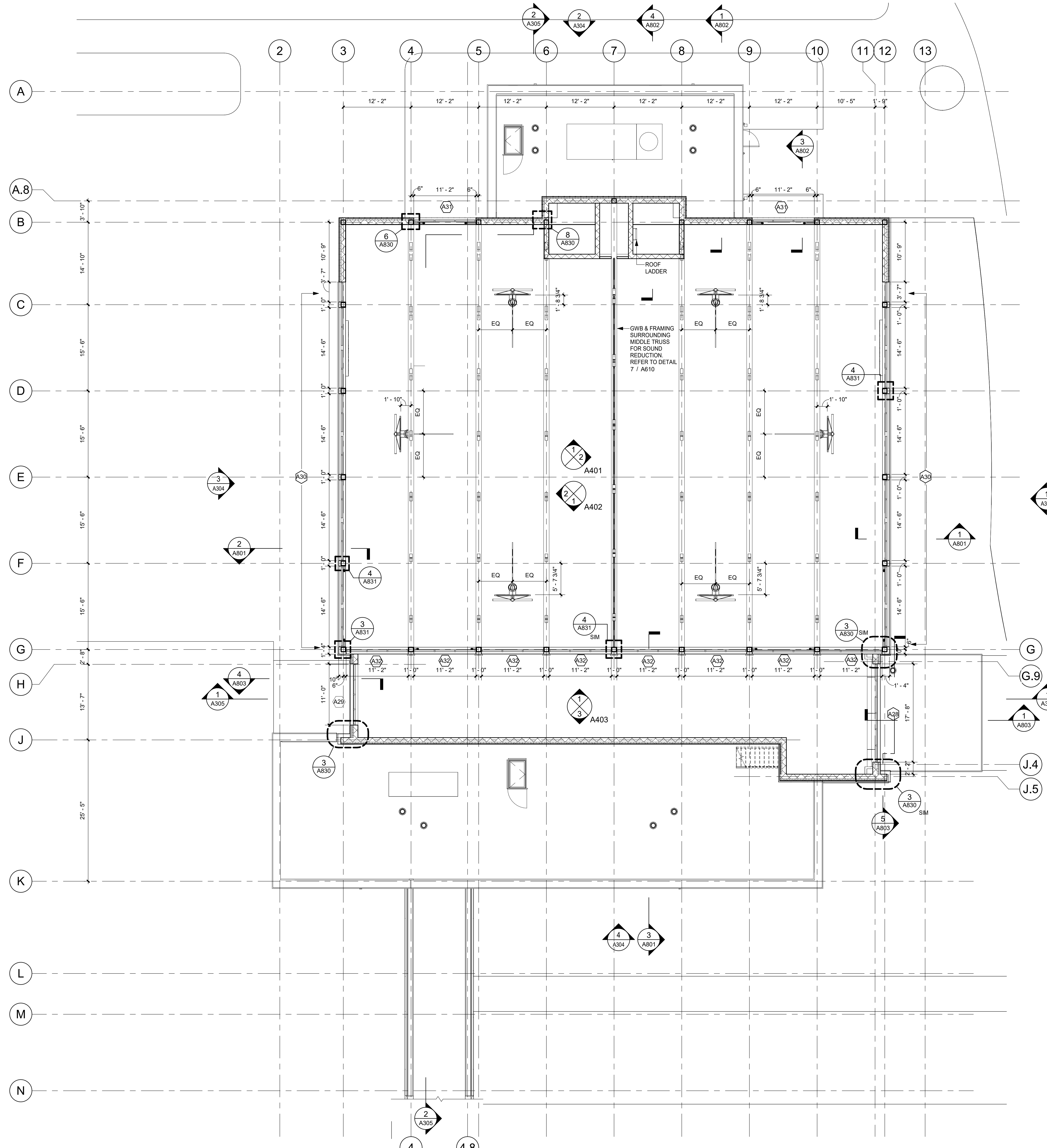
GYMNASIUM
CLERESTORY PLAN

Job No. 2023-1012 Date 01/26/2024

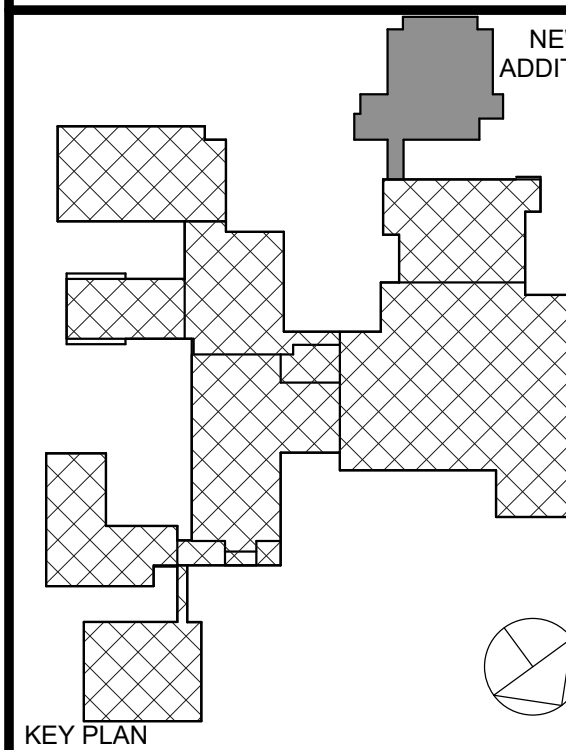
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A202B



1 CLERESTORY PLAN
1/8" = 1'-0"



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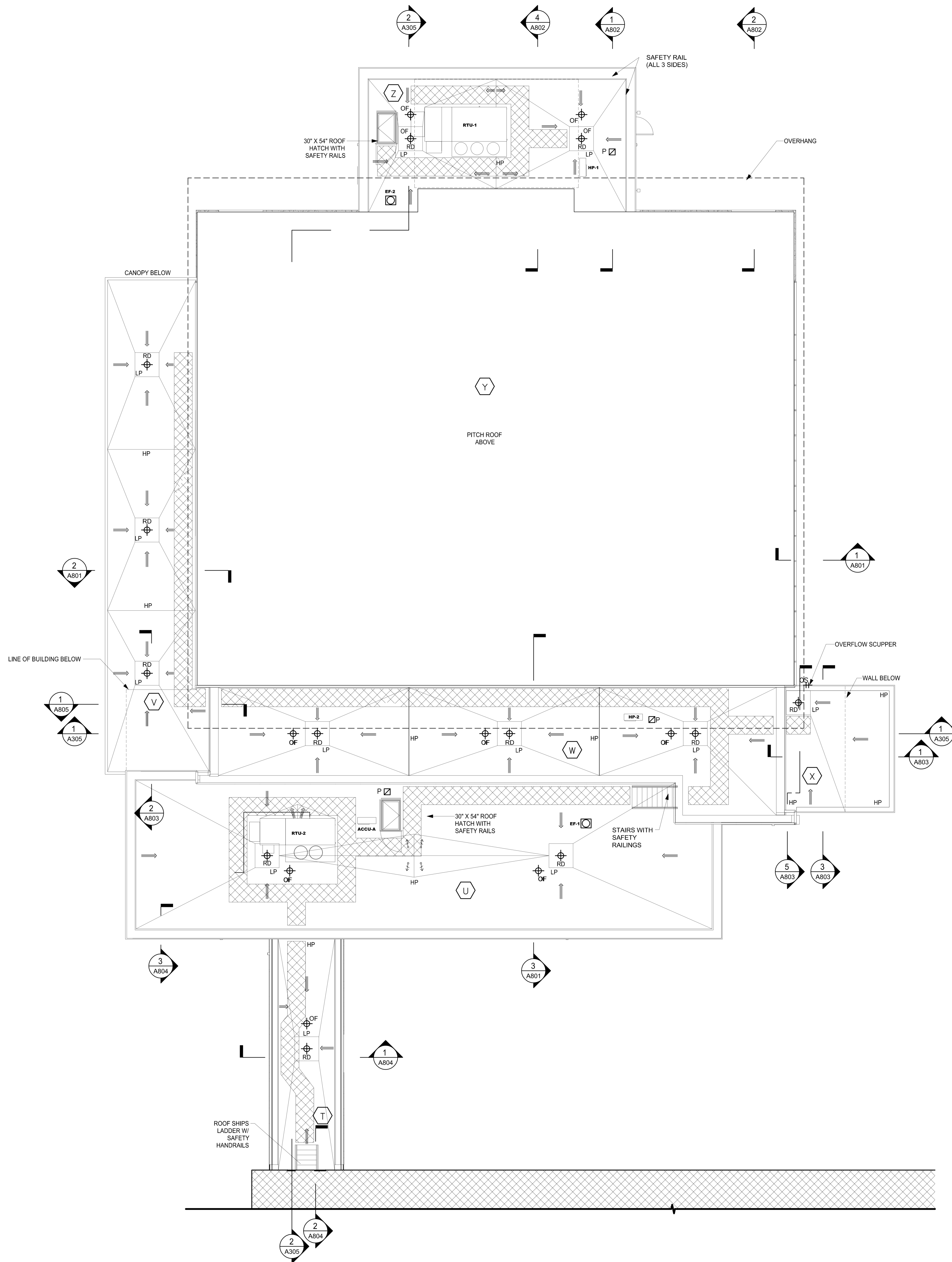
GYMNASIUM LOWER
ROOF PLAN (BASE BID)

Job No. 2023-1012 Date 01/26/2024

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Sheet Number

A205



GENERAL NOTES:

WORK ON THE NEW ADDITIONS IS SHOWN ON SEPARATE DRAWINGS.

1. THESE DRAWINGS ARE SUPPLEMENTED BY DETAILED TECHNICAL SPECIFICATIONS. PERFORM THE WORK AS SHOWN ON THE DRAWINGS AND AS DESCRIBED IN THE SPECIFICATIONS.

2. DIMENSIONS AND CONDITIONS ON THE ROOF PLAN AND DETAILS ARE APPROXIMATE AND SHALL BE CONFIRMED BY THE CONTRACTOR.

3. ONLY CERTAIN FASTENERS ARE SHOWN ON THE DRAWINGS, REFER TO THE SPECIFICATIONS FOR ADDITIONAL FASTENER REQUIREMENTS.

LIGHTNING PROTECTION COMPONENTS & CABLES ARE NOT SHOWN; REFER TO THE M/E DRAWINGS.

4. ROOF TOP EQUIPMENT IS NOT SHOWN REFER TO THE M/E DRAWINGS.

CODE COMPLIANCE REQUIREMENTS:

1. INSTALL NEW ROOFING TO MEET THE FOLLOWING MINIMUM REQUIREMENTS:

A. NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, WHICH INCLUDES BY REFERENCE THE NEW YORK STATE ENERGY CONSERVATION CODE.

B. UNDERWRITERS LABORATORIES INC. CLASS A EXTERNAL FIRE RATING FOR ROOF ASSEMBLIES TESTED IN ACCORDANCE WITH ASTM E 108 OR UL 790.

C. UNDERWRITERS LABORATORIES INC. STANDARD 1256 FOR ROOF ASSEMBLIES WITH FOAM INSULATION.

2. INSTALL ROOFING TO COMPLY WITH THE WIND UPLIFT REQUIREMENTS OF THE NY STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, BASED ON THIS CRITERIA:

RISK CATEGORY III
BASIC WIND SPEED 130 MPH
EXPOSURE CATEGORY B
BUILDING HEIGHT 30 FT.

3. INSTALL ROOFING AS INDICATED TO RESIST THE FOLLOWING UPLIFT LOADS, CALCULATED IN ACCORDANCE WITH ASCE 7 USING A SAFETY FACTOR OF 2:
FIELD ZONE: 60 PSF
PERIMETER ZONE: 100 PSF
CORNER ZONE: 150 PSF

4. FABRICATE AND INSTALL ROOF PERIMETER FLASHINGS THAT COMPLY WITH THE NY STATE UNIFORM FIRE PREVENTION AND BUILDING CODE AND WITH ANSI/SPRI ES-1 "WIND STANDARD FOR EDGE SYSTEMS USED WITH LOW SLOPE ROOFING SYSTEMS", ON A BUILDING USING THE CRITERIA DESCRIBED ABOVE.

5. FABRICATE AND INSTALL WOOD BLOCKING COMPONENTS TO RESIST A FORCE OF 275 POUNDS PER LINEAL FOOT APPLIED IN ANY DIRECTION.

ROOF PROTECTION NOTES:

1. AVOID WALKING ON NEW AND EXISTING ROOF AREAS.

2. DO NOT STORE MATERIAL OR EQUIPMENT, AND DO NOT PILE DEBRIS ON NEW AND EXISTING ROOF AREAS.

3. INSTALL 1 INCH THICK EXTRUDED POLYSTYRENE INSULATION OVER 6 MIL FIRE RETARDANT POLYETHYLENE, COVERED WITH 2x10 WOOD PLANKS TO PROTECT ROOFING WHERE CONSTRUCTION WORK AND TRAFFIC WILL OCCUR.

4. NEATLY CUT AND POSITION ROOF PROTECTION COMPONENTS TO FIT WITHIN 1/2 INCH OF ROOF PENETRATIONS, EAVES AND CHANGE IN ELEVATION WALLS.

5. DO NOT COVER THE ROOF DRAINS. MAINTAIN THE ROOF DRAIN STRAINERS VISIBLE AND CLEAR AT ALL TIMES.

DECK TYPE CHART & INSULATION REQUIREMENTS

ROOF AREA	DECK TYPE	STARTING THICKNESS OF NEW INSULATION	MINIMUM R-VALUE OF NEW INSULATION
T	METAL DECK	5.5"	30
U	METAL DECK	5.5"	30
V	METAL DECK	5.5"	30
W	METAL DECK	5.5"	30
X	METAL DECK	5.5"	30
Y	METAL DECK	8.0"	30
Z	METAL DECK	5.5"	30

NOTES:

1. INSTALL CONTINUOUS INSULATION WITH A MINIMUM R-VALUE OF 30 ABOVE THE DECK, TO MEET THE NYS ENERGY CONSERVATION CONSTRUCTION CODE, INCLUDING THE INTERNATIONAL ENERGY CONSERVATION CODE AND THE NY STATE SUPPLEMENT, FOR A BUILDING IN CLIMATE ZONE 5.

2. INSTALL TAPERED ISOCYANURATE INSULATION THAT SLOPES 1/4 INCH PER FOOT; MINIMUM STARTING THICKNESS 5-1/2 INCHES UNLESS OTHERWISE NOTED. INSTALL THE ISOCYANURATE INSULATION IN MULTIPLE LAYERS, WITH THE THICKEST LAYER BEING 4 INCHES. STAGGER ALL JOINTS BETWEEN LAYERS 12 INCHES.

3. INSTALL ISOCYANURATE INSULATION CRICKETS UNDER THE TAPERED INSULATION.

4. INSTALL A COVER BOARD USING LOW RISE FOAM ADHESIVE OVER THE INSULATION AND CRICKETS.

5. INSTALL SLOPING CRICKETS ON THE UP-HILL SIDE OF ALL CURBS THAT ARE 30 INCHES AND WIDER.

GENERAL NOTES:

WORK ON THE NEW ADDITIONS IS SHOWN ON SEPARATE DRAWINGS.

- THESE DRAWINGS ARE SUPPLEMENTED BY DETAILED TECHNICAL SPECIFICATIONS. PERFORM THE WORK AS SHOWN ON THE DRAWINGS AND AS DESCRIBED IN THE SPECIFICATIONS.
- DIMENSIONS AND CONDITIONS ON THE ROOF PLAN AND DETAILS ARE APPROXIMATE AND SHALL BE CONFIRMED BY THE CONTRACTOR.
- ONLY CERTAIN FASTENERS ARE SHOWN ON THE DRAWINGS, REFER TO THE SPECIFICATIONS FOR ADDITIONAL FASTENER REQUIREMENTS.
- LIGHTNING PROTECTION COMPONENTS & CABLES ARE NOT SHOWN; REFER TO THE M/E DRAWINGS.
- ROOF TOP EQUIPMENT IS NOT SHOWN REFER TO THE M/E DRAWINGS.

CODE COMPLIANCE REQUIREMENTS:

- INSTALL NEW ROOFING TO MEET THE FOLLOWING MINIMUM REQUIREMENTS:
 - NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, WHICH INCLUDES BY REFERENCE THE NEW YORK STATE ENERGY CONSERVATION CODE.

B. UNDERWRITERS LABORATORIES INC. CLASS A EXTERNAL FIRE RATING FOR ROOF ASSEMBLIES TESTED IN ACCORDANCE WITH ASTM E 108 OR UL 790.

C. UNDERWRITERS LABORATORIES INC. STANDARD 1256 FOR ROOF ASSEMBLIES WITH FOAM INSULATION.

- INSTALL ROOFING TO COMPLY WITH THE WIND UPLIFT REQUIREMENTS OF THE NY STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, BASED ON THIS CRITERIA:
 - RISK CATEGORY III
 - BASIC WIND SPEED 130 MPH
 - EXPOSURE, CATEGORY B
 - BUILDING HEIGHT 30 FT.

- INSTALL ROOFING AS INDICATED TO RESIST THE FOLLOWING UPLIFT LOADS, CALCULATED IN ACCORDANCE WITH ASCE 7 USING A SAFETY FACTOR OF 2:
 - FIELD ZONE: 60 PSF
 - PERIMETER ZONE: 100 PSF
 - CORNER ZONE: 150 PSF

- FABRICATE AND INSTALL ROOF PERIMETER FLASHINGS THAT COMPLY WITH THE NY STATE UNIFORM FIRE PREVENTION AND BUILDING CODE AND WITH ANSI/SPRI ES-1 "WIND STANDARD FOR EDGE SYSTEMS USED WITH LOW SLOPE ROOFING SYSTEMS", ON A BUILDING USING THE CRITERIA DESCRIBED ABOVE.

- FABRICATE AND INSTALL WOOD BLOCKING COMPONENTS TO RESIST A FORCE OF 275 POUNDS PER LINEAL FOOT APPLIED IN ANY DIRECTION.

LEGEND:

- ROOF AREA DESIGNATION
- EXP - EXPANSION JOINT (SEE DET. 29&30/A252)
- RD - ROOF DRAIN (SEE DET. 35/A252)
- OF - OVER FLOW DRAIN (SEE DET. 35/A252 SIM)
- V - VENT PIPE (SEE DET. 36/A52)
- H - ROOF HATCH (SEE DET. 38/A253)
- P - PORTALS PLUS (SEE DET. 39/A253)
- HVAC - HVAC CURB (SEE DET. 40/A253)
- EF - EXHAUST FAN (SEE DET. 44/A253)
- OS - OVERFLOW SCUPPER (SEE DET. 45/A253)
- OS - SCUPPER AND LEADER HEAD (SEE DET. 46/A253)
- GR - GUARD RAIL (SEE DET. 50/A254)
- GR - NEW GUARD RAIL (SEE DET. 53/A254)
- DECK SLOPE
- ISOCYANURATE INSULATION, SLOPE 1/4" PER FT
- CRICKET - SLOPE 1/2" PER FT
- H.P. - INSULATION HIGH POINT
- WALKWAY PADS
- NEW ROOF STAIR (SEE DET. 7/A806)
- OVERFLOW SCUPPER (SEE DET. 9/A806)

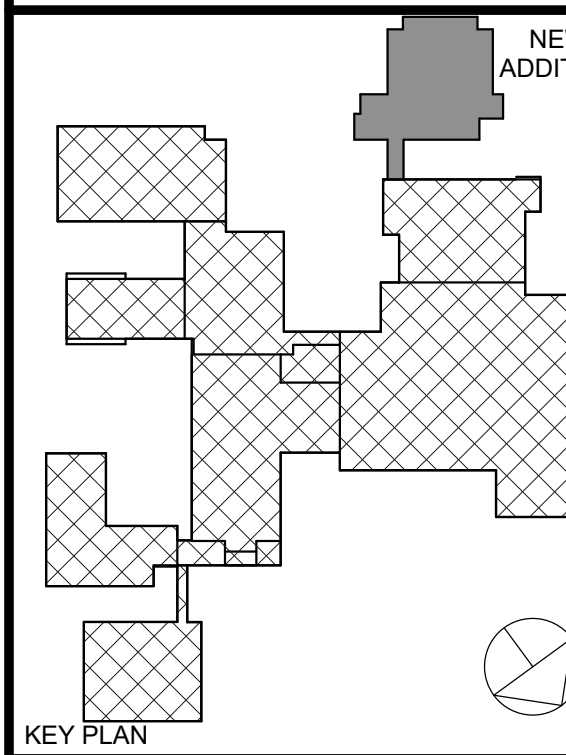
ROOF PROTECTION NOTES:

- AVOID WALKING ON NEW AND EXISTING ROOF AREAS.
- DO NOT STORE MATERIAL OR EQUIPMENT, AND DO NOT PILE DEBRIS ON NEW AND EXISTING ROOF AREAS.
- INSTALL 1 INCH THICK EXTRUDED POLYSTYRENE INSULATION OVER 6 MIL FIRE RETARDANT POLYETHYLENE, COVERED WITH 2X10 WOOD PLANKS TO PROTECT ROOFING WHERE CONSTRUCTION WORK AND TRAFFIC WILL OCCUR.
- NEATLY CUT AND POSITION ROOF PROTECTION COMPONENTS TO FIT WITHIN 1/2 INCH OF ROOF PENETRATIONS, EAVES AND CHANGE IN ELEVATION WALLS.
- DO NOT COVER THE ROOF DRAINS. MAINTAIN THE ROOF DRAIN STRAINERS VISIBLE AND CLEAR AT ALL TIMES.

DECK TYPE CHART & INSULATION REQUIREMENTS			
ROOF AREA	DECK TYPE	STARTING THICKNESS OF NEW INSULATION	MINIMUM R-VALUE OF NEW INSULATION
T	METAL DECK	5.5"	30
U	METAL DECK	5.5"	30
V	METAL DECK	5.5"	30
W	METAL DECK	5.5"	30
X	METAL DECK	5.5"	30
Y	METAL DECK	8.0"	30
Z	METAL DECK	5.5"	30

NOTES:

- INSTALL CONTINUOUS INSULATION WITH A MINIMUM R-VALUE OF 30 ABOVE THE DECK, TO MEET THE NYS ENERGY CONSERVATION CONSTRUCTION CODE, INCLUDING THE INTERNATIONAL ENERGY CONSERVATION CODE AND THE NY STATE SUPPLEMENT, FOR A BUILDING IN CLIMATE ZONE 5.
- INSTALL TAPERED ISOCYANURATE INSULATION THAT SLOPES 1/4 INCH PER FOOT; MINIMUM STARTING THICKNESS 5-1/2 INCHES UNLESS OTHERWISE NOTED. INSTALL THE ISOCYANURATE INSULATION IN MULTIPLE LAYERS, WITH THE THICKEST LAYER BEING 4 INCHES. STAGGER ALL JOINTS BETWEEN LAYERS 12 INCHES.
- INSTALL ISOCYANURATE INSULATION CRICKETS UNDER THE TAPERED INSULATION.
- INSTALL A COVER BOARD USING LOW RISE FOAM ADHESIVE OVER THE INSULATION AND CRICKETS.
- INSTALL SLOPING CRICKETS ON THE UP-HILL SIDE OF ALL CURBS THAT ARE 30 INCHES AND WIDER.



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Professional Seal

GYMNASIUM LOWER
ROOF PLAN (ADD ALT)

Job No. 2023-1012 Date 01/26/2024

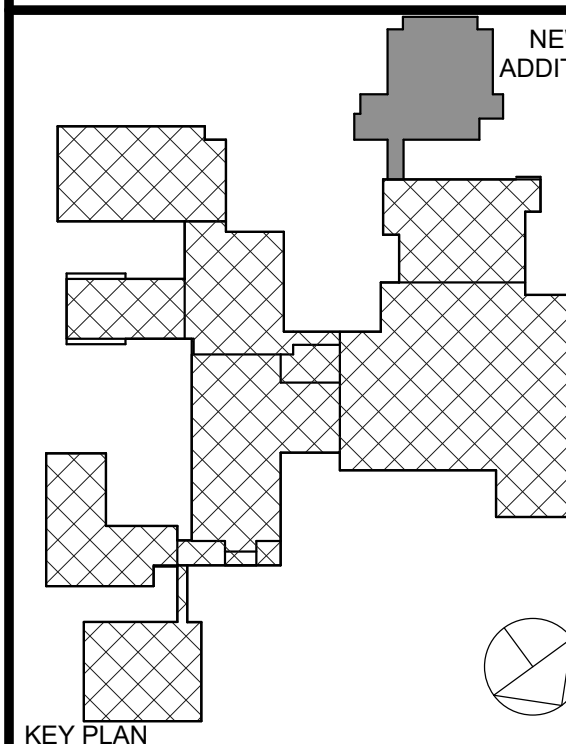
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Sheet Number

A205A

1 GYMNASIUM LOWER ROOF PLAN (ADD ALT)
1/8" = 1'-0"

- LEGEND:**
- EXP - EXPANSION JOINT (SEE DET. 29&30/A252)
 - ROOF DRAIN (SEE DET. 35/A252)
 - OVER FLOW DRAIN (SEE DET. 35/A252 SIM)
 - VENT PIPE (SEE DET. 36/A52)
 - ROOF HATCH (SEE DET. 38/A253)
 - PORTALS PLUS (SEE DET. 39/A253)
 - HVAC CURB (SEE DET. 40/A253)
 - EXHAUST FAN (SEE DET. 44/A253)
 - OVERFLOW SCUPPER (SEE DET. 45/A253)
 - SCUPPER AND LEADER HEAD (SEE DET. 46/A253)
 - GUARD RAIL (SEE DET. 50/A254)
 - NEW GUARD RAIL (SEE DET. 53/A254)
 - DECK SLOPE
 - TAPERED ISOCYANURATE INSULATION, SLOPE 1/4" PER FT
 - CRICKET- SLOPE 1/2" PER FT
 - INSULATION HIGH POINT
 - WALKWAY PADS
 - NEW ROOF STAIR (SEE DET. 7/A806)



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Professional Seal

GYMNASIUM UPPER
ROOF PLAN

Job No. 2023-1012 Date 01/26/2024

Scale Drawn / Checked
Author Checker

Sheet Number

A206

GENERAL NOTES:

WORK ON THE NEW ADDITIONS IS SHOWN ON SEPARATE DRAWINGS.

- THESE DRAWINGS ARE SUPPLEMENTED BY DETAILED TECHNICAL SPECIFICATIONS. PERFORM THE WORK AS SHOWN ON THE DRAWINGS AND AS DESCRIBED IN THE SPECIFICATIONS.
- DIMENSIONS AND CONDITIONS ON THE ROOF PLAN AND DETAILS ARE APPROXIMATE AND SHALL BE CONFIRMED BY THE CONTRACTOR.
- ONLY CERTAIN FASTENERS ARE SHOWN ON THE DRAWINGS, REFER TO THE SPECIFICATIONS FOR ADDITIONAL FASTENER REQUIREMENTS.
- LIGHTNING PROTECTION COMPONENTS & CABLES ARE NOT SHOWN; REFER TO THE M/E DRAWINGS.
- ROOF TOP EQUIPMENT IS NOT SHOWN REFER TO THE M/E DRAWINGS.

CODE COMPLIANCE REQUIREMENTS:

- INSTALL NEW ROOFING TO MEET THE FOLLOWING MINIMUM REQUIREMENTS:
 - NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, WHICH INCLUDES BY REFERENCE THE NEW YORK STATE ENERGY CONSERVATION CODE.
 - UNDERWRITERS LABORATORIES INC. CLASS A EXTERNAL FIRE RATING FOR ROOF ASSEMBLIES TESTED IN ACCORDANCE WITH ASTM E 108 OR UL 790.
 - UNDERWRITERS LABORATORIES INC. STANDARD 1256 FOR ROOF ASSEMBLIES WITH FOAM INSULATION.
- INSTALL ROOFING TO COMPLY WITH THE WIND UPLIFT REQUIREMENTS OF THE NY STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, BASED ON THIS CRITERIA:
 - RISK CATEGORY III
 - BASIC WIND SPEED 130 MPH
 - EXPOSURE CATEGORY B
 - BUILDING HEIGHT 30 FT.
- INSTALL ROOFING AS INDICATED TO RESIST THE FOLLOWING UPLIFT LOADS, CALCULATED IN ACCORDANCE WITH ASCE 7 USING A SAFETY FACTOR OF 2:
 - FIELD ZONE: 60 PSF
 - PERIMETER ZONE: 100 PSF
 - CORNER ZONE: 150 PSF
- FABRICATE AND INSTALL ROOF PERIMETER FLASHINGS THAT COMPLY WITH THE NY STATE UNIFORM FIRE PREVENTION AND BUILDING CODE AND WITH ANSI/SPRI ES-1 "WIND STANDARD FOR EDGE SYSTEMS USED WITH LOW SLOPE ROOFING SYSTEMS", ON A BUILDING USING THE CRITERIA DESCRIBED ABOVE.
- FABRICATE AND INSTALL WOOD BLOCKING COMPONENTS TO RESIST A FORCE OF 275 POUNDS PER LINEAL FOOT APPLIED IN ANY DIRECTION.

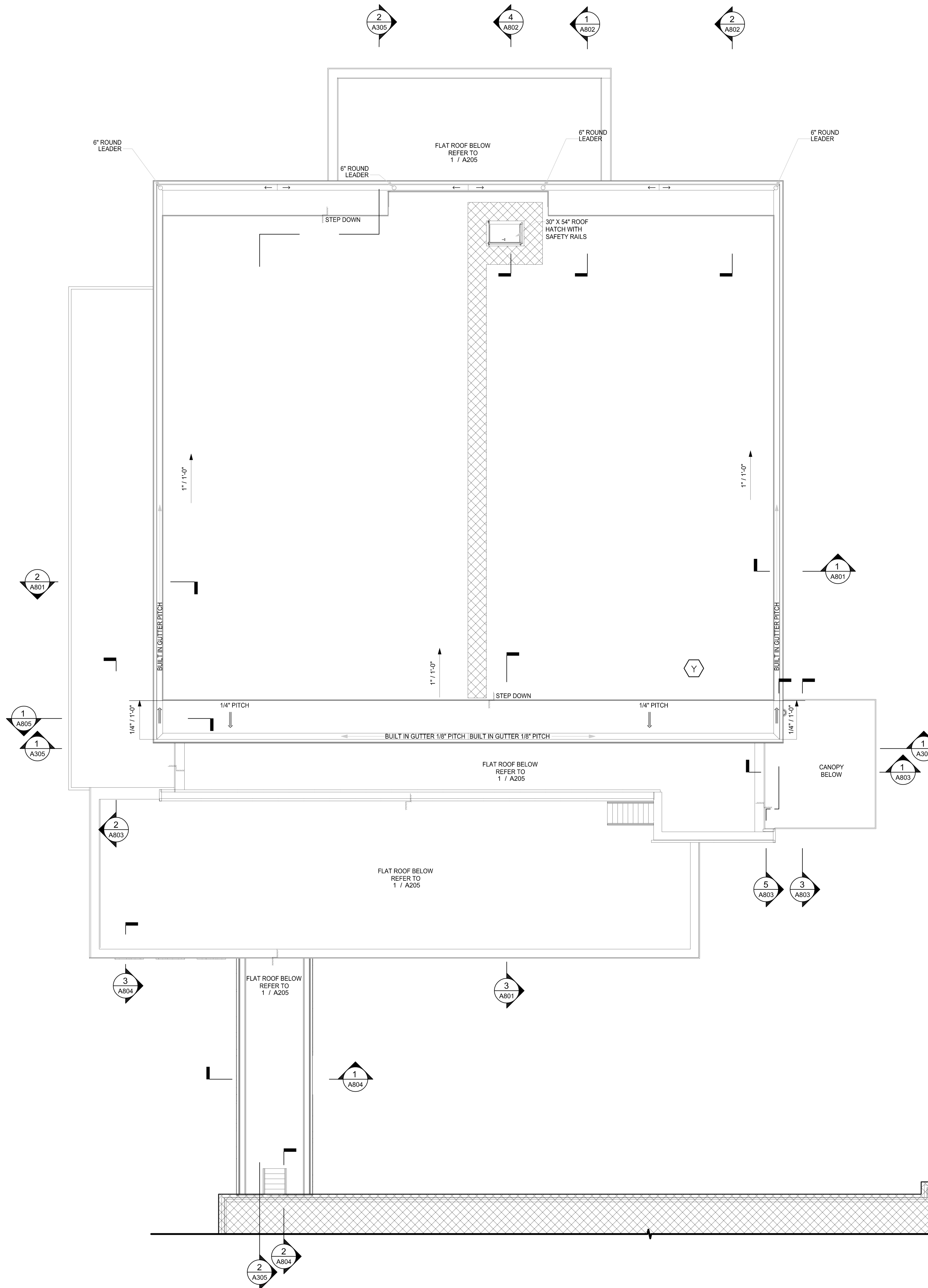
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- DO NOT COVER THE ROOF DRAINS. MAINTAIN THE ROOF DRAIN STRAINERS VISIBLE AND CLEAR AT ALL TIMES.

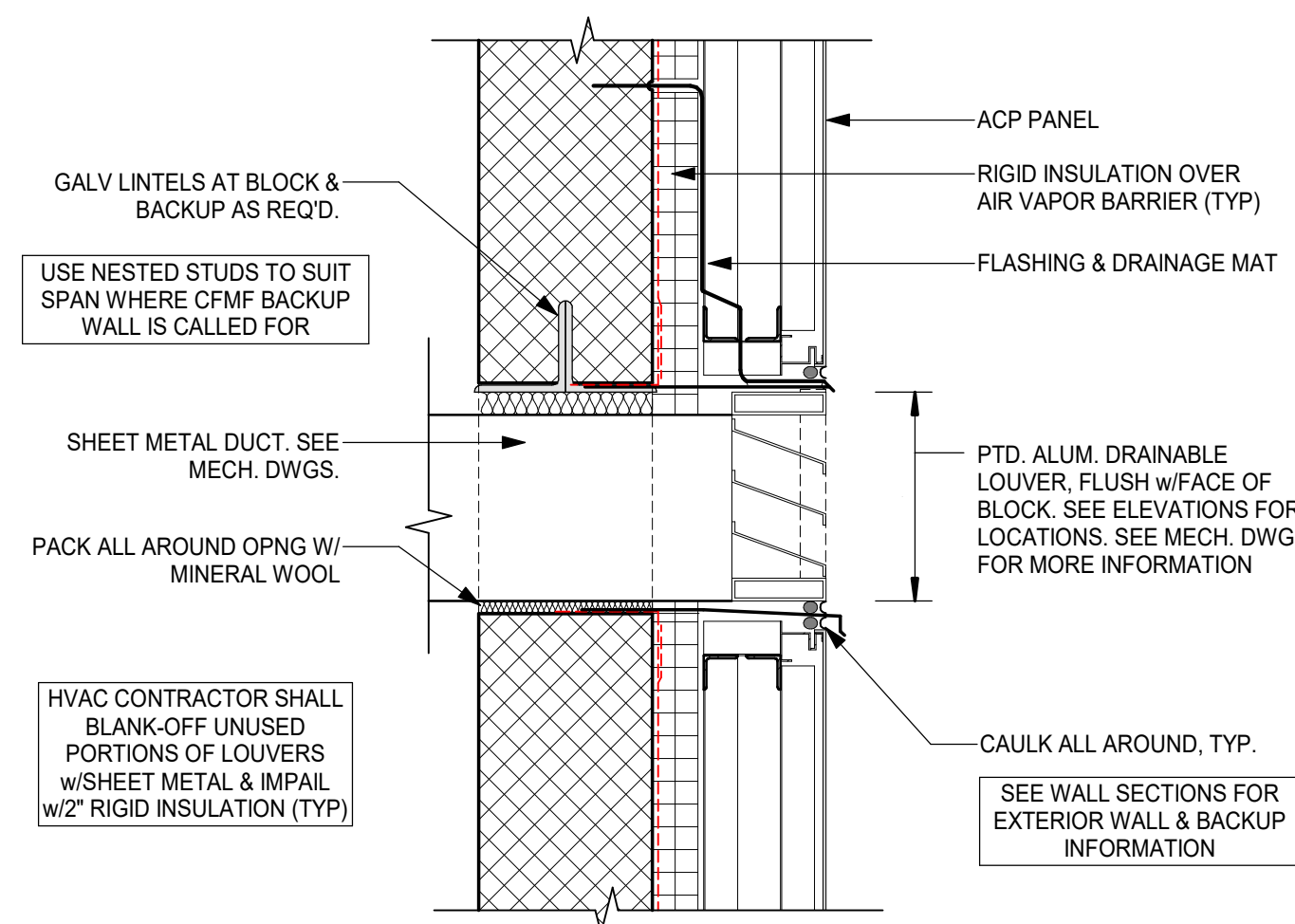
DECK TYPE CHART & INSULATION REQUIREMENTS			
ROOF AREA	DECK TYPE	STARTING THICKNESS OF NEW INSULATION	MINIMUM R-VALUE OF NEW INSULATION
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NOTES:

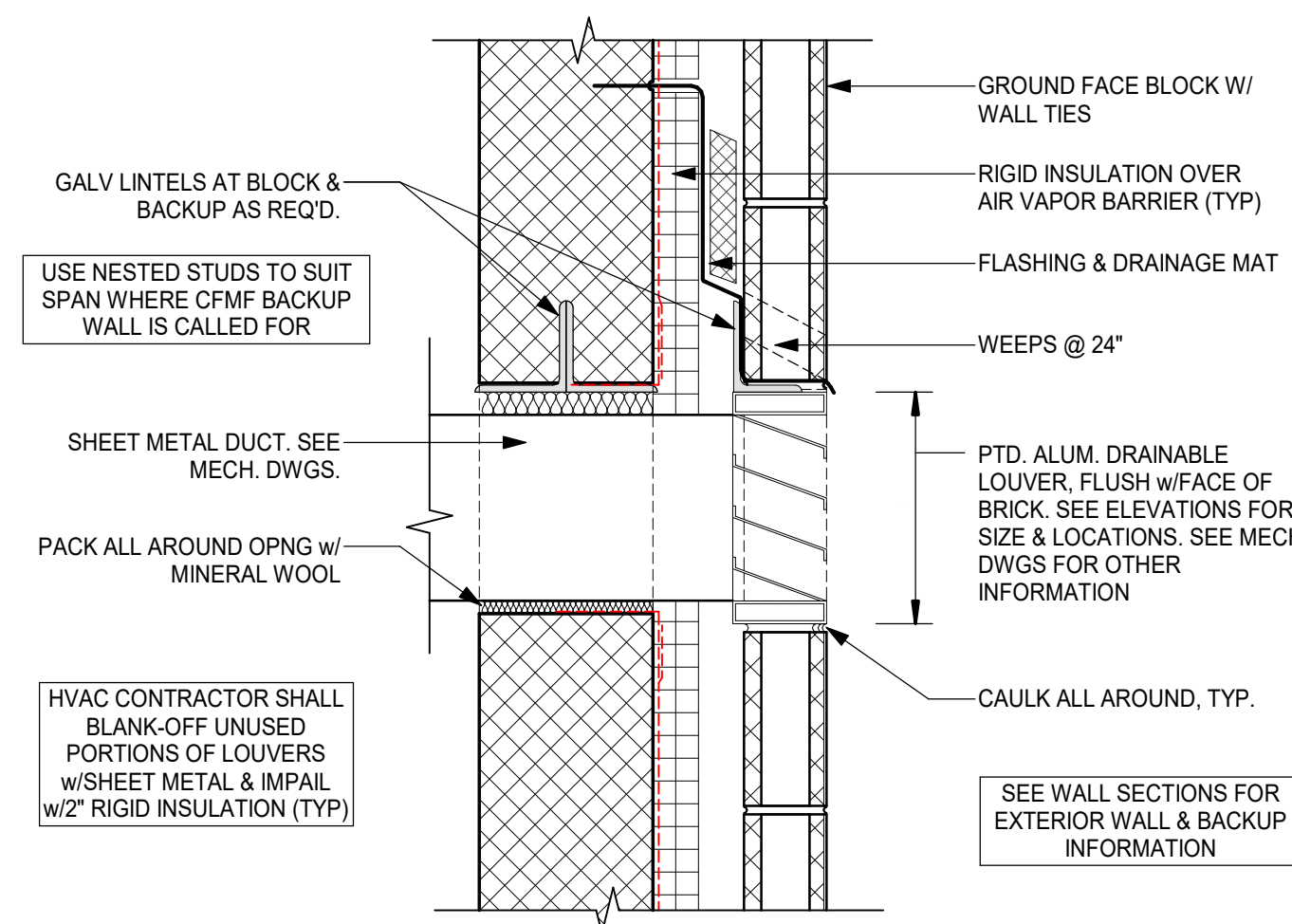
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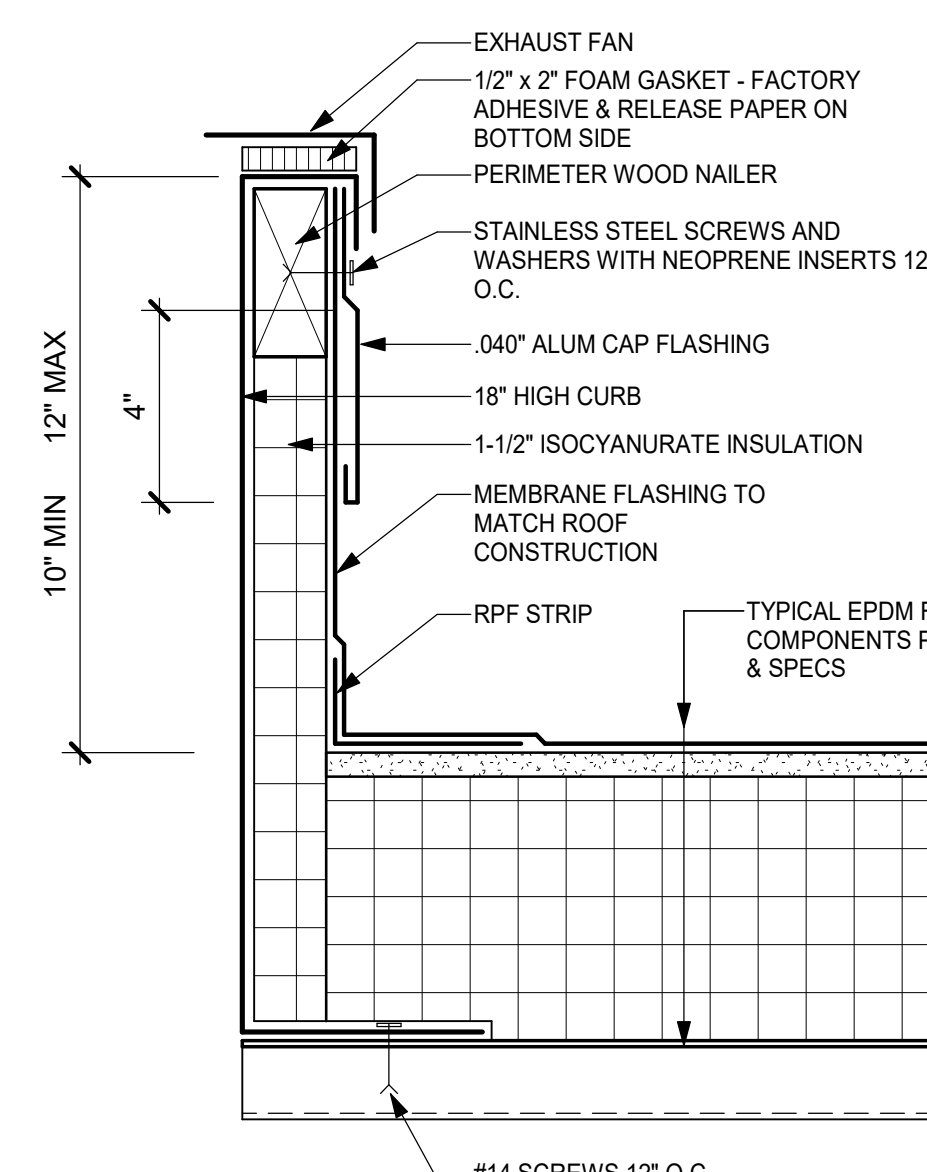
1 GYMNASIUM ROOF PLAN
1/8" = 1'-0"



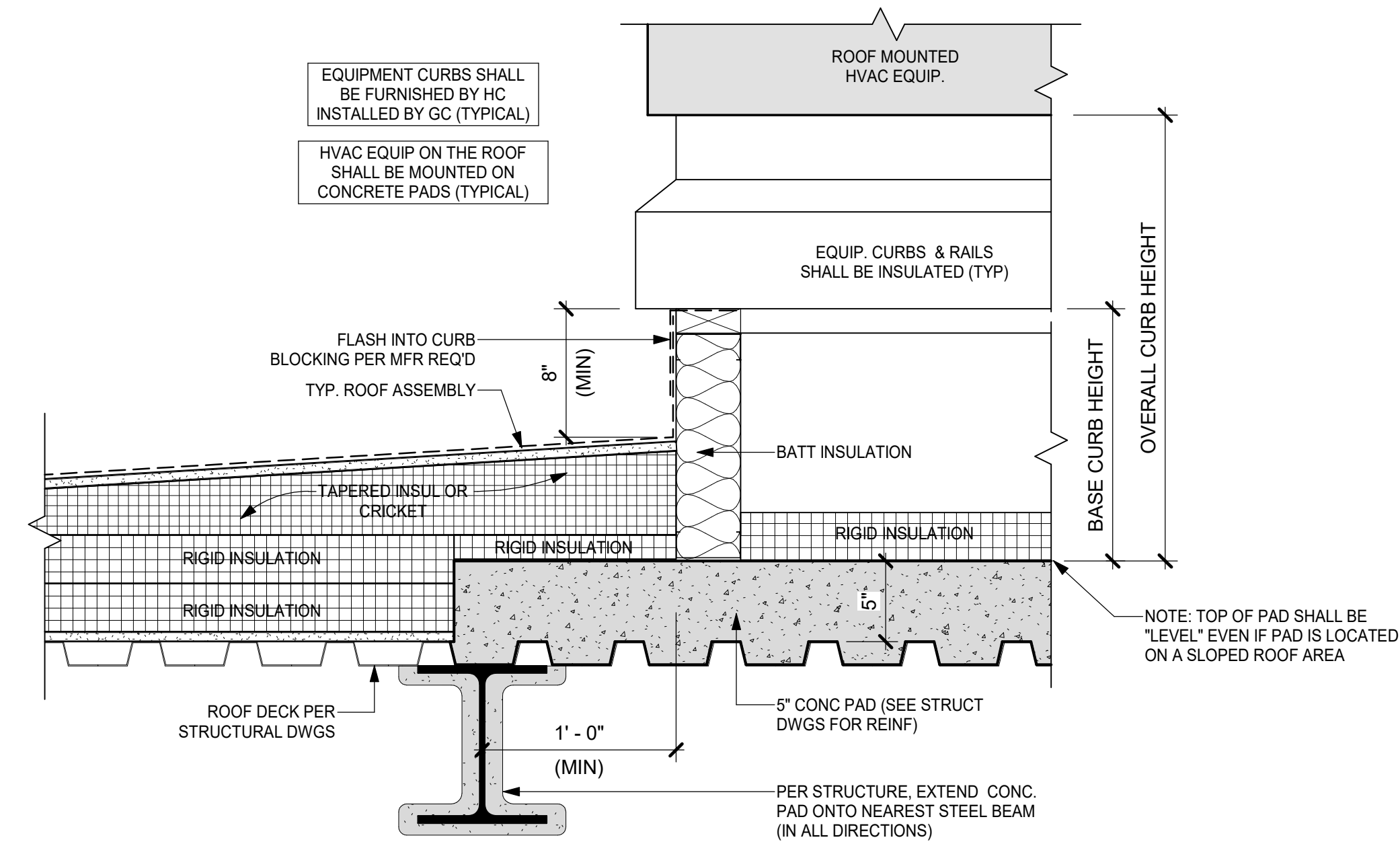
12 TYPICAL LOUVER DETAIL @ ACP
1 1/2" = 1'-0"



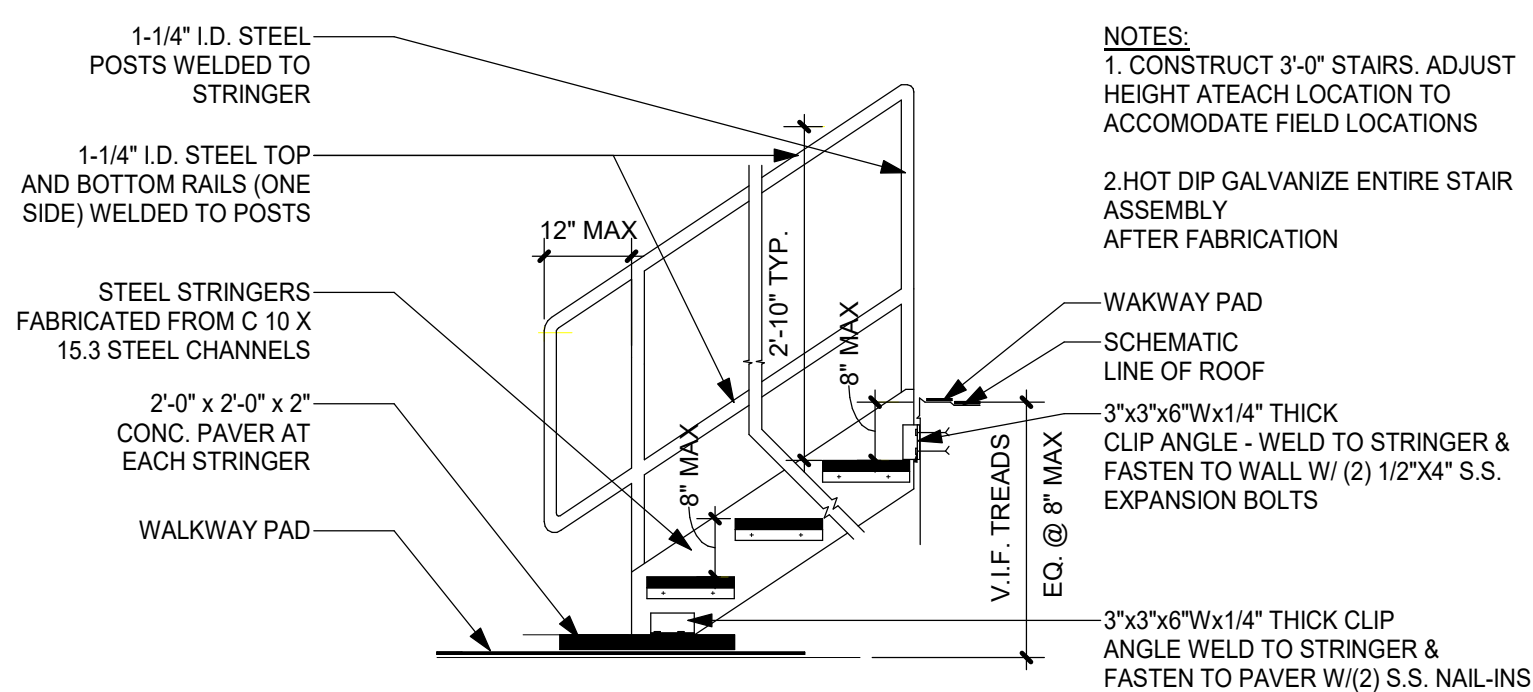
9 TYPICAL LOUVER DETAIL @ BLOCK
1 1/2" = 1'-0"



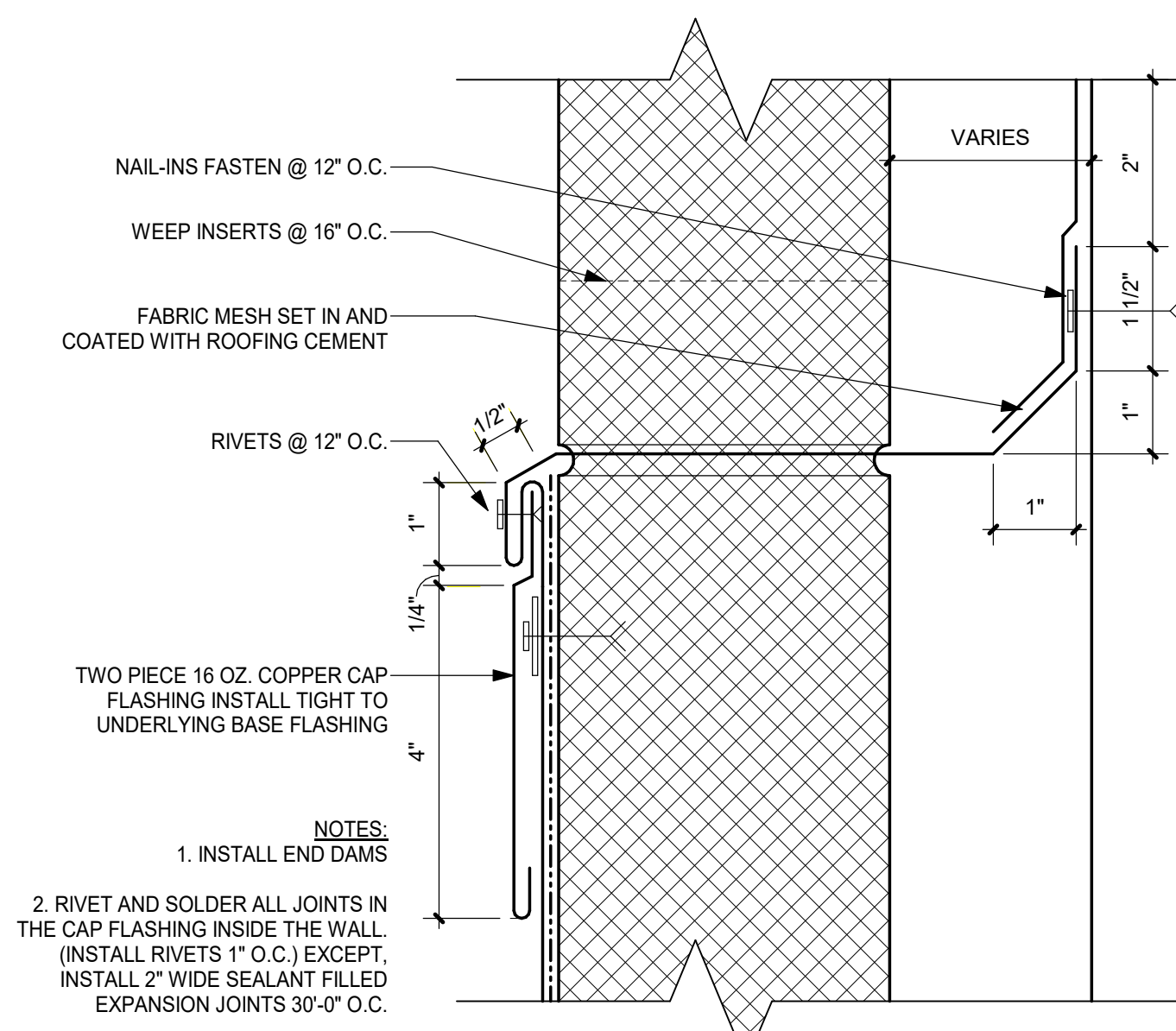
6 TYPICAL EXHAUST FAN SUPPORT CURB
3" = 1'-0"



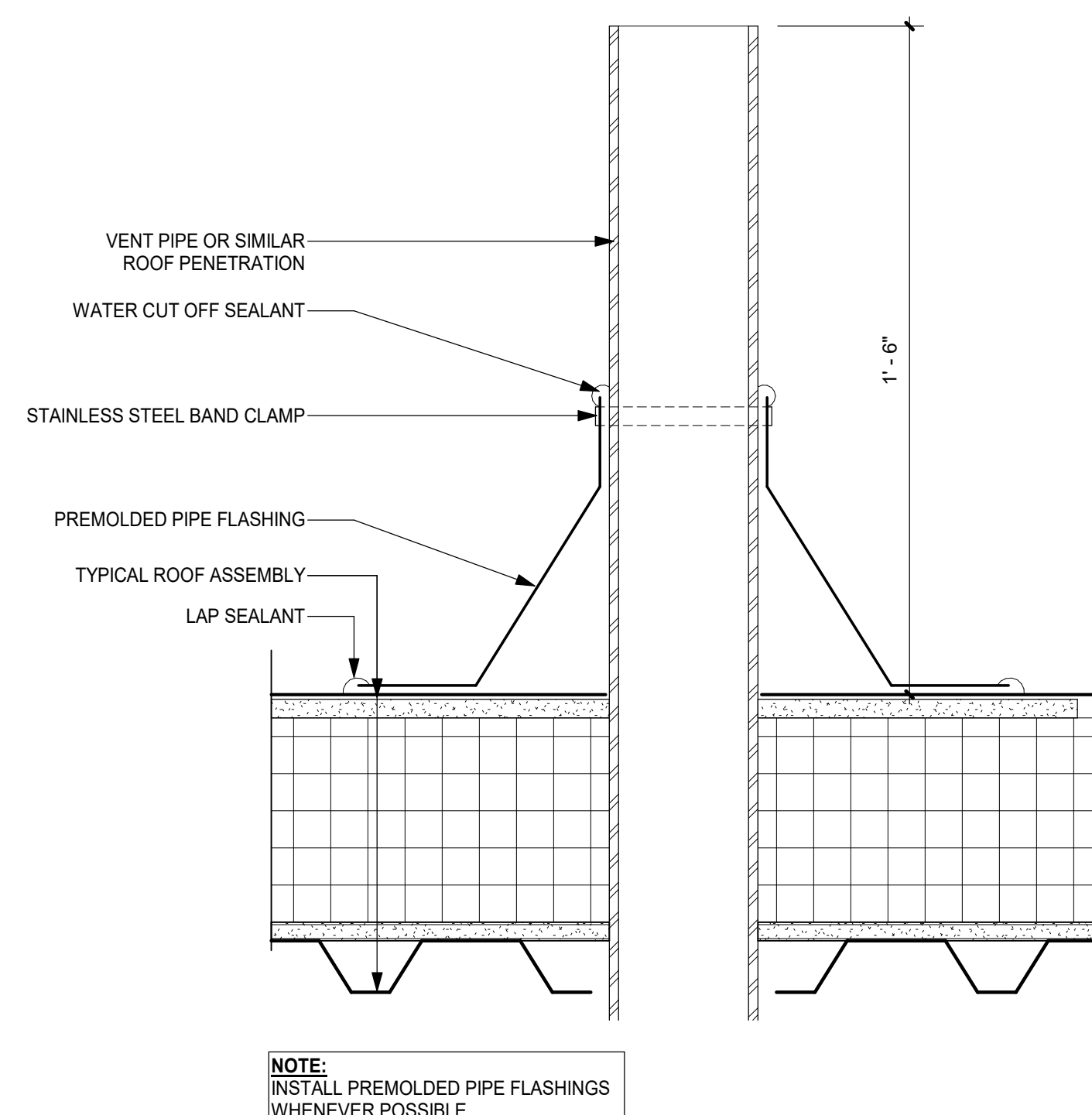
3 ROOF CONC. PAD DETAIL
1 1/2" = 1'-0"



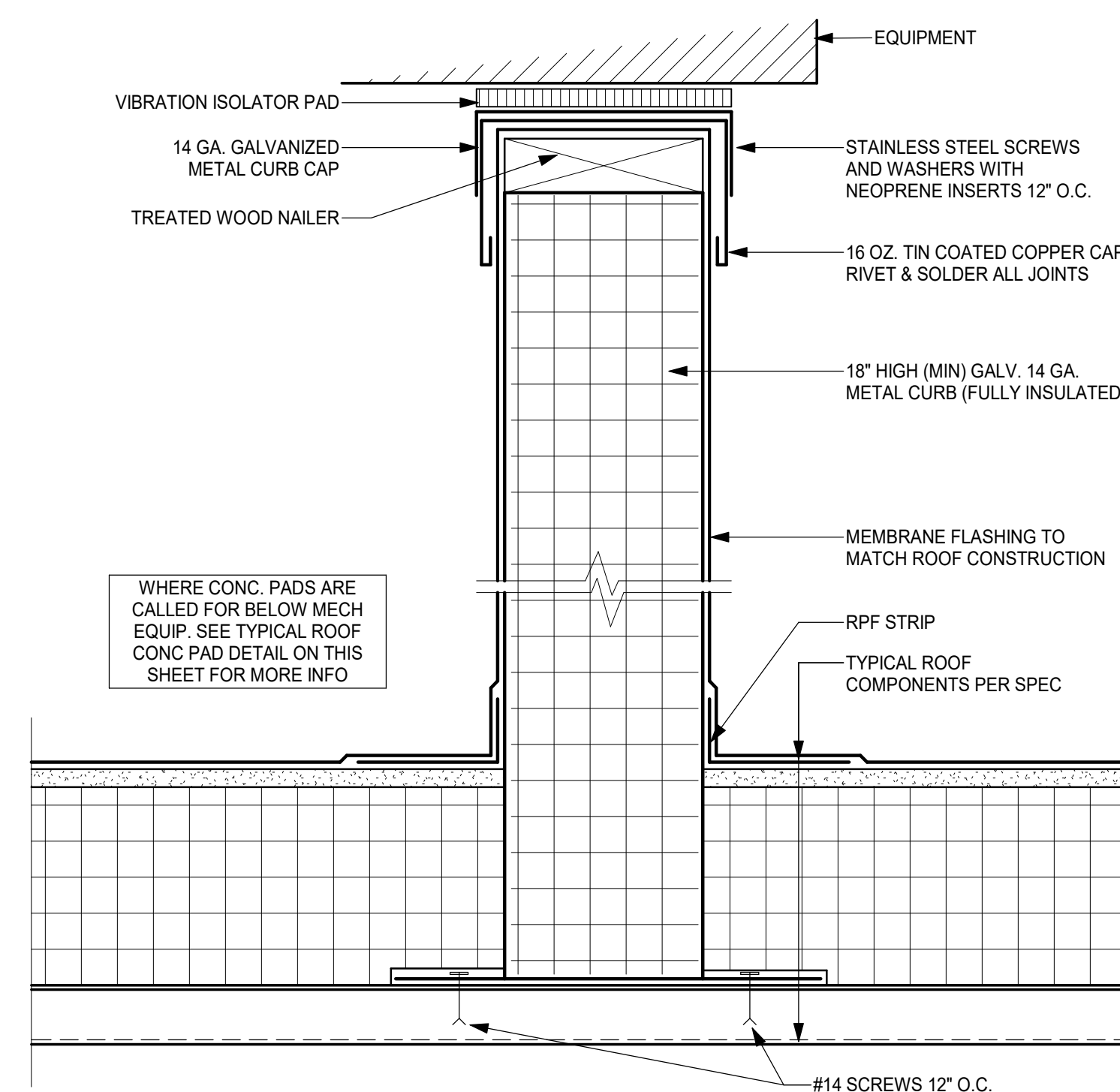
11 NEW ROOF STAIR
1 1/2" = 1'-0"



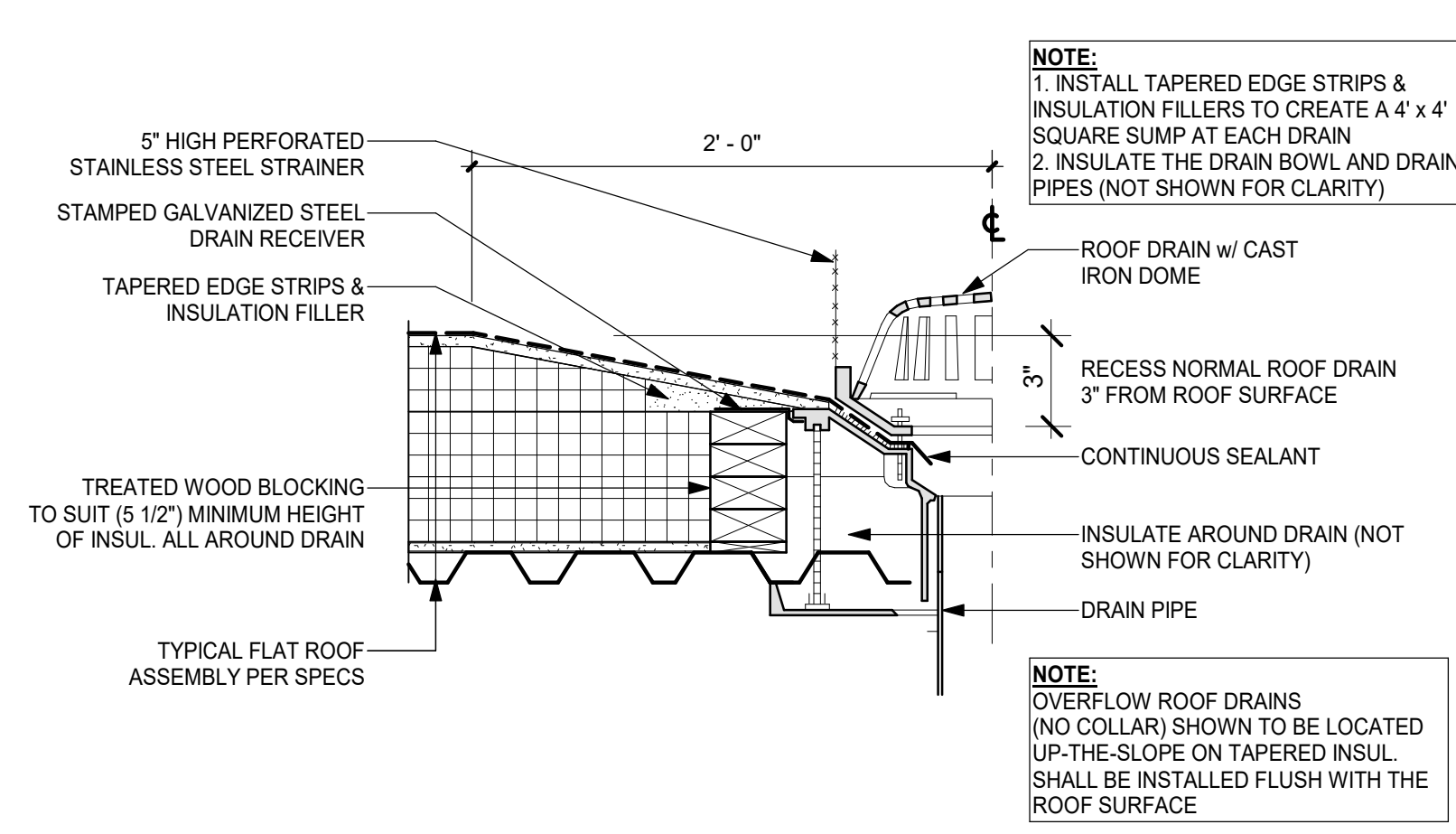
8 ENLARGED THRU-WALL FLASHING DETAIL
NOT TO SCALE



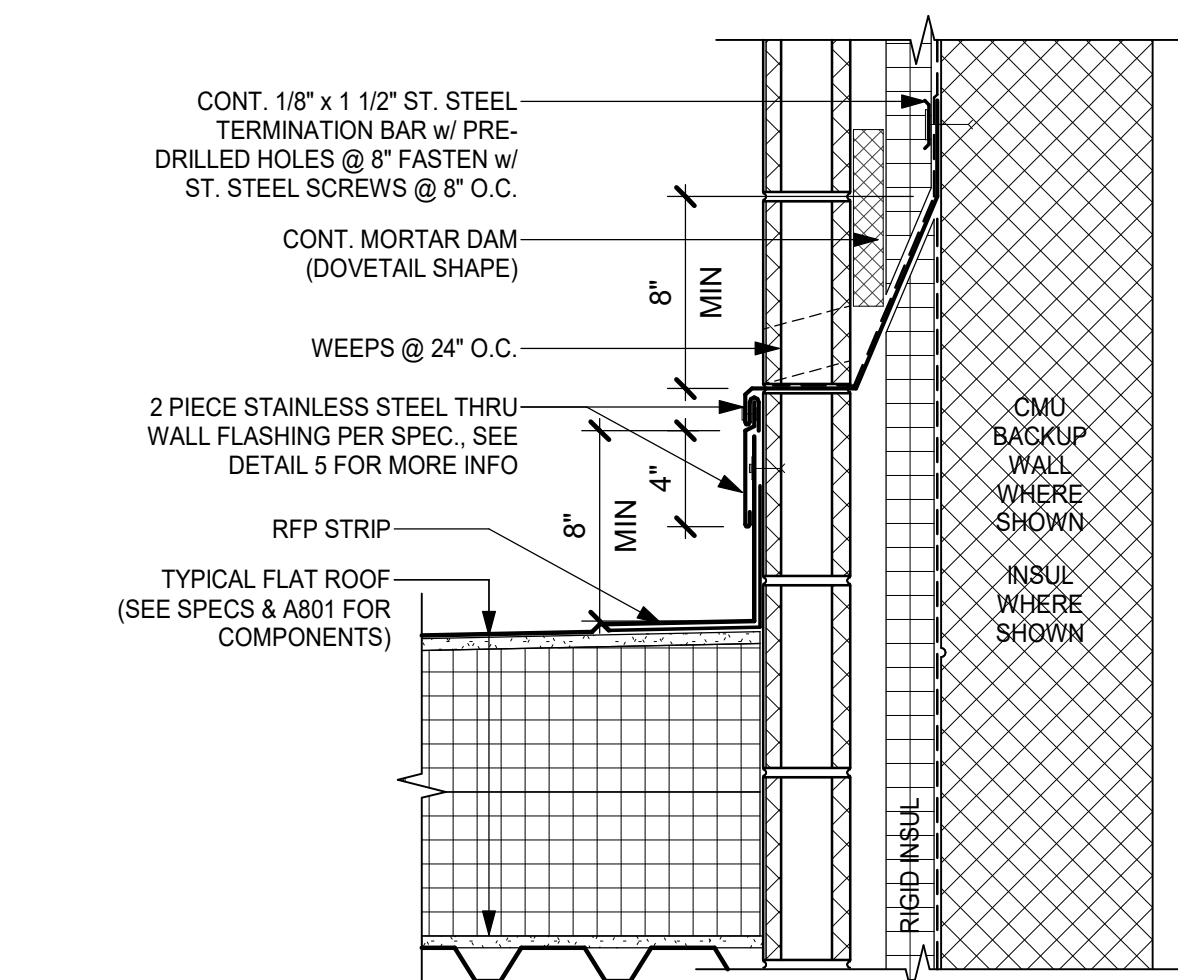
5 TYPICAL VENT PIPE
3" = 1'-0"



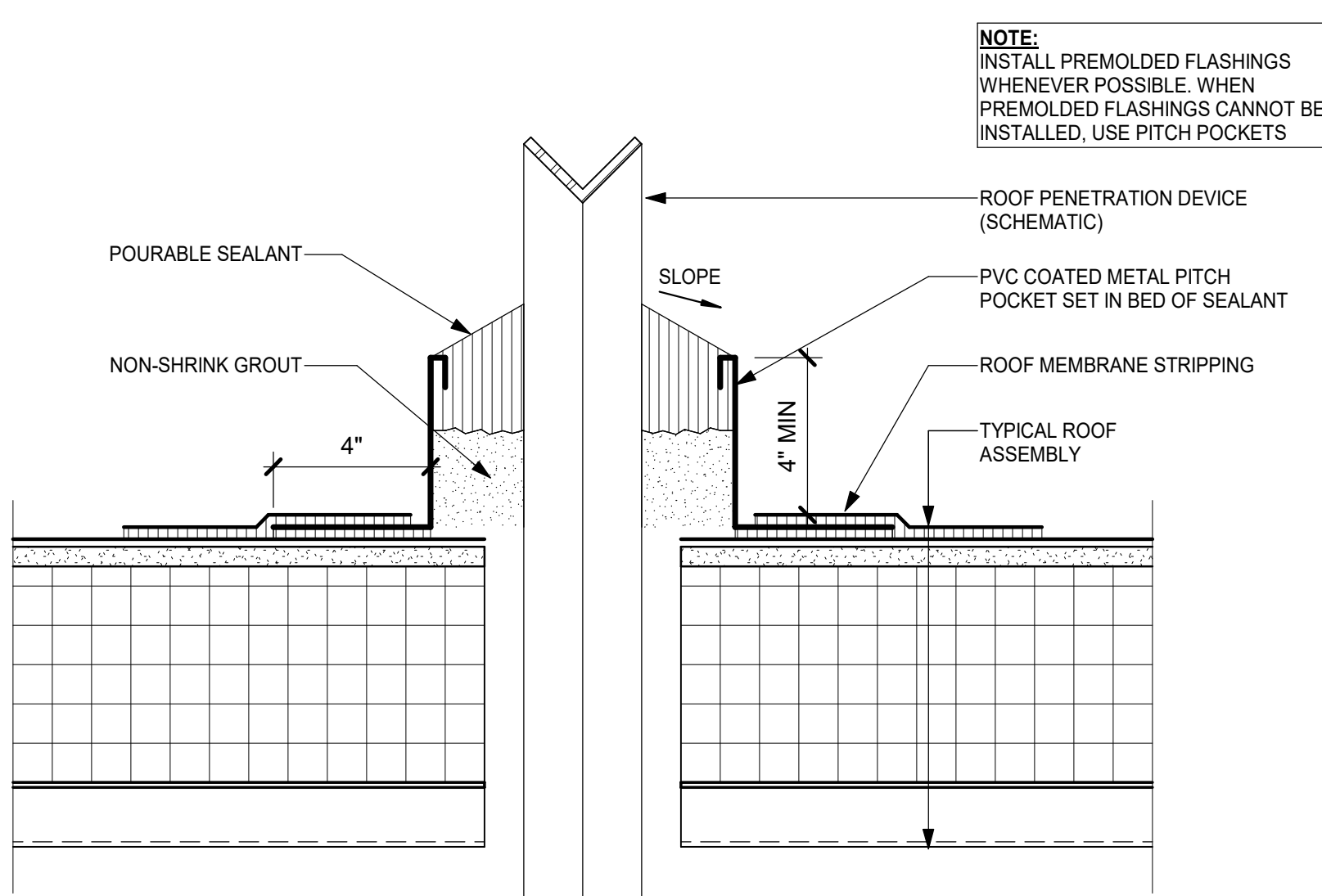
2 TYPICAL RAIL SUPPORT CURB
3" = 1'-0"



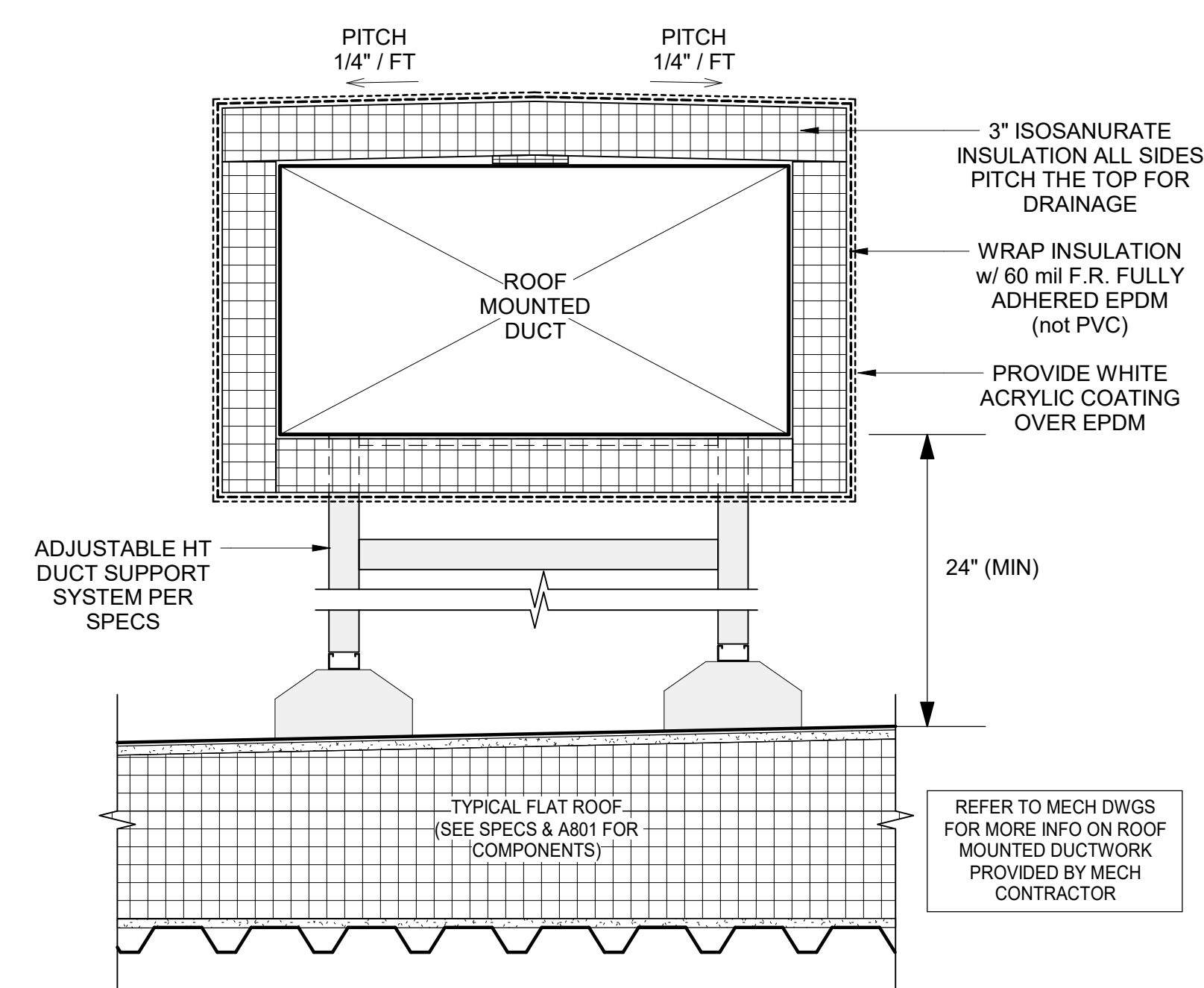
10 TYPICAL ROOF DRAIN
1 1/2" = 1'-0"



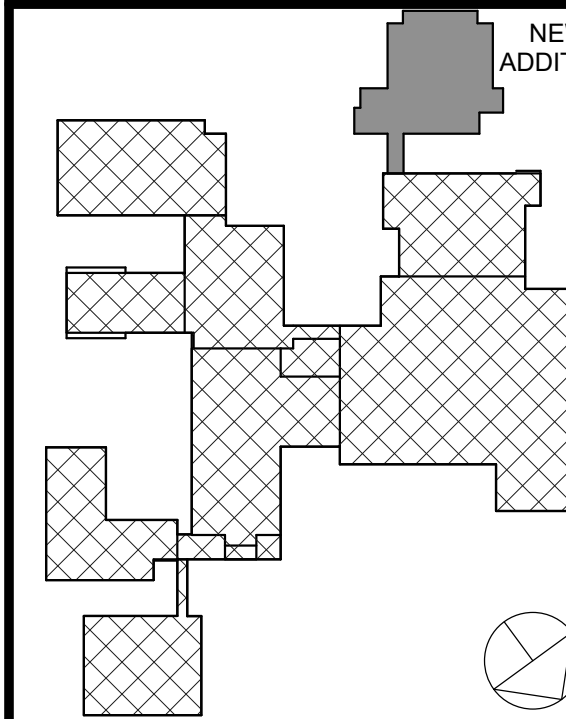
7 TYPICAL THRU-WALL FLASHING DETAIL
1 1/2" = 1'-0"



4 TYPICAL PITCH POCKET
3" = 1'-0"



1 TYPICAL ROOF DUCT INSULATION DETAIL
NOT TO SCALE



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1	01/26/2024	SED SUBMISSION

Sheet Title

GYM ADDITION ROOF
DETAILS

Job No.	2023-1012	Date	01/26/2024
Scale		Drawn / Checked	Author / Checker

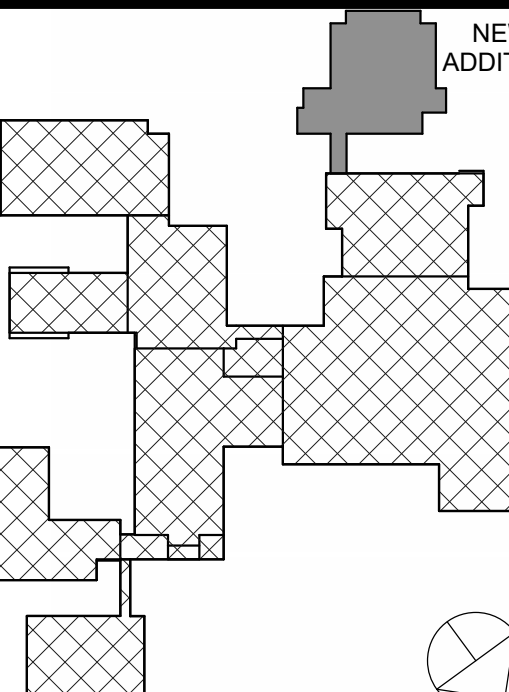
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GENERAL NOTES

- 1A DENOTES WINDOW TYPE, SEE DWG A8.9
- 101 DENOTES DOOR NUMBER, SEE DOOR SCHEDULE ON A8.2
- C/J CONTROL JOINT
- RW DENOTES RESQUE WINDOW SEE A8.9 & SPECS FOR MORE INFO
- ALL HATCHES ON STOREFRONTS INDICATE TYPE OF GLAZING. REFER TO WINDOW TYPES FOR MORE INFORMATION
- GLAZING IN DOORS, SIDELIGHTS & WITHIN 18" OF GRADE, FLOORS, & STAIR LANDINGS SHALL BE TEMPERED GLASS

MATERIALS LEGEND

- AL-1: BENT ALUMINUM FASCIA
COLOR: LIGHT GRAY
FINISH: ANODIZED
- ACP-1: ALUMINUM COMPOSITE PANEL
COLOR: SILVER
- CS-1: CAST STONE BASE
- FC-1: FIBER CEMENT BOARD - LIGHT
- FC-2: FIBER CEMENT BOARD - MEDIUM
- FC-3: FIBER CEMENT BOARD - DARK
- GF-1: EXPOSED GROUND FACE BLOCK
- MP-1: METAL PANEL



KEY PLAN

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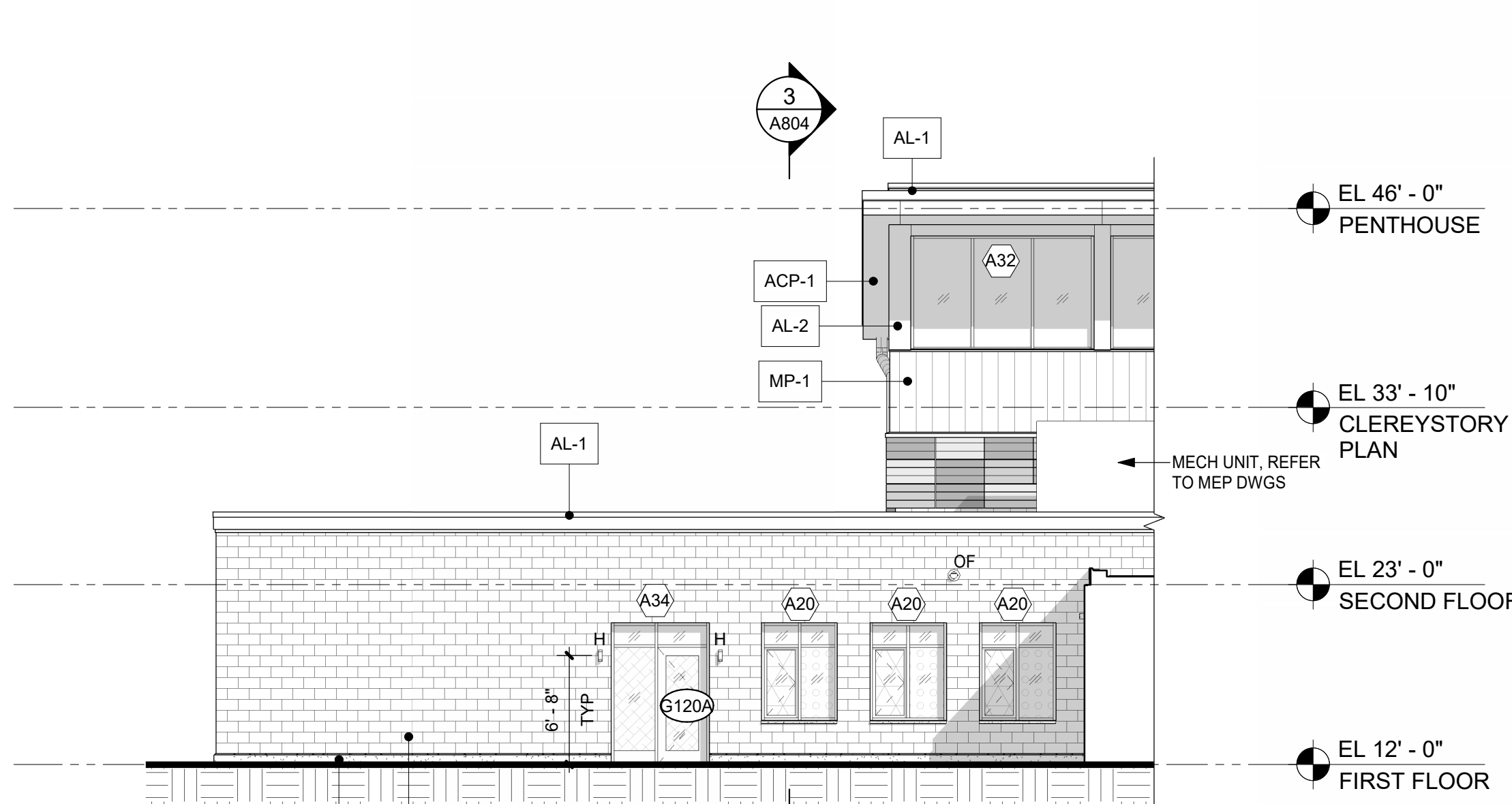
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GYMNASIUM EXTERIOR
ELEVATIONS

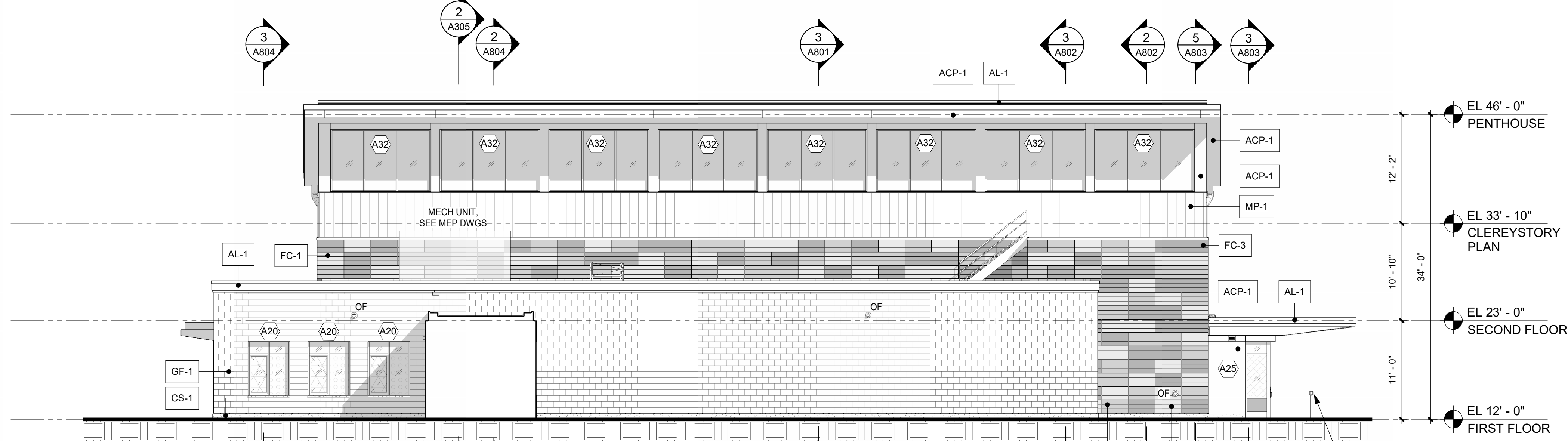
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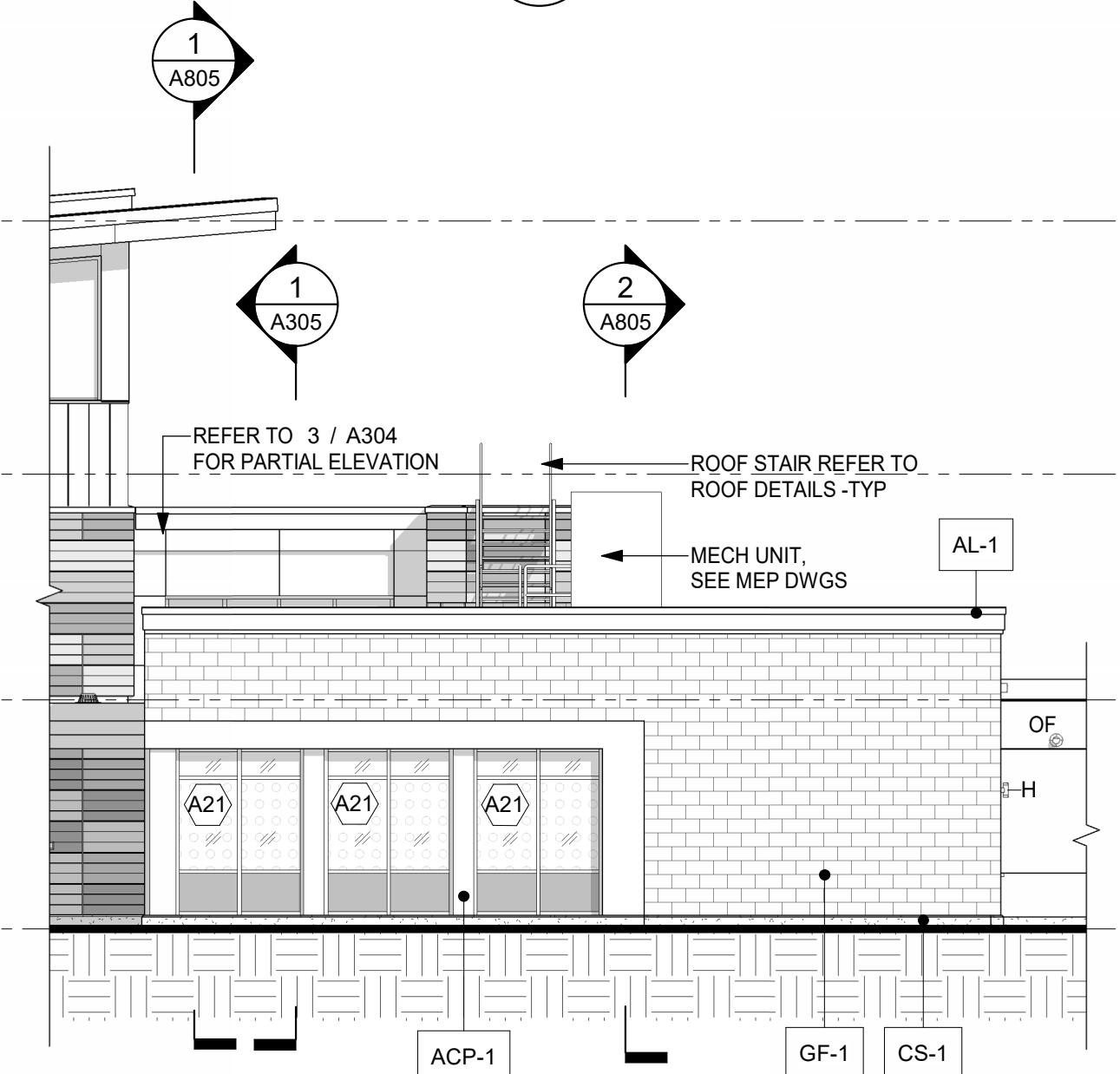
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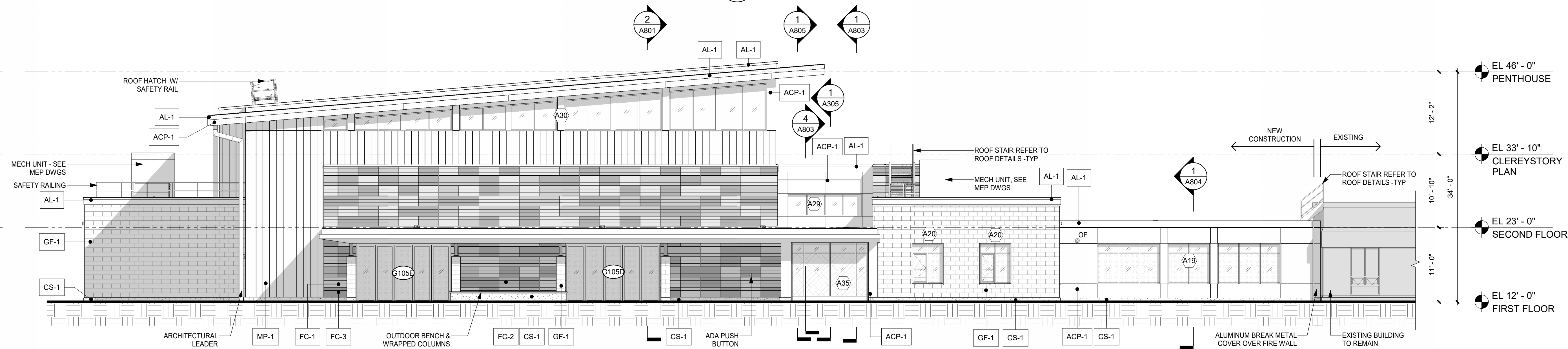
4A NORTH ELEVATION - GYMNASIUM (ADD ALT 1)
1/8" = 1'-0"



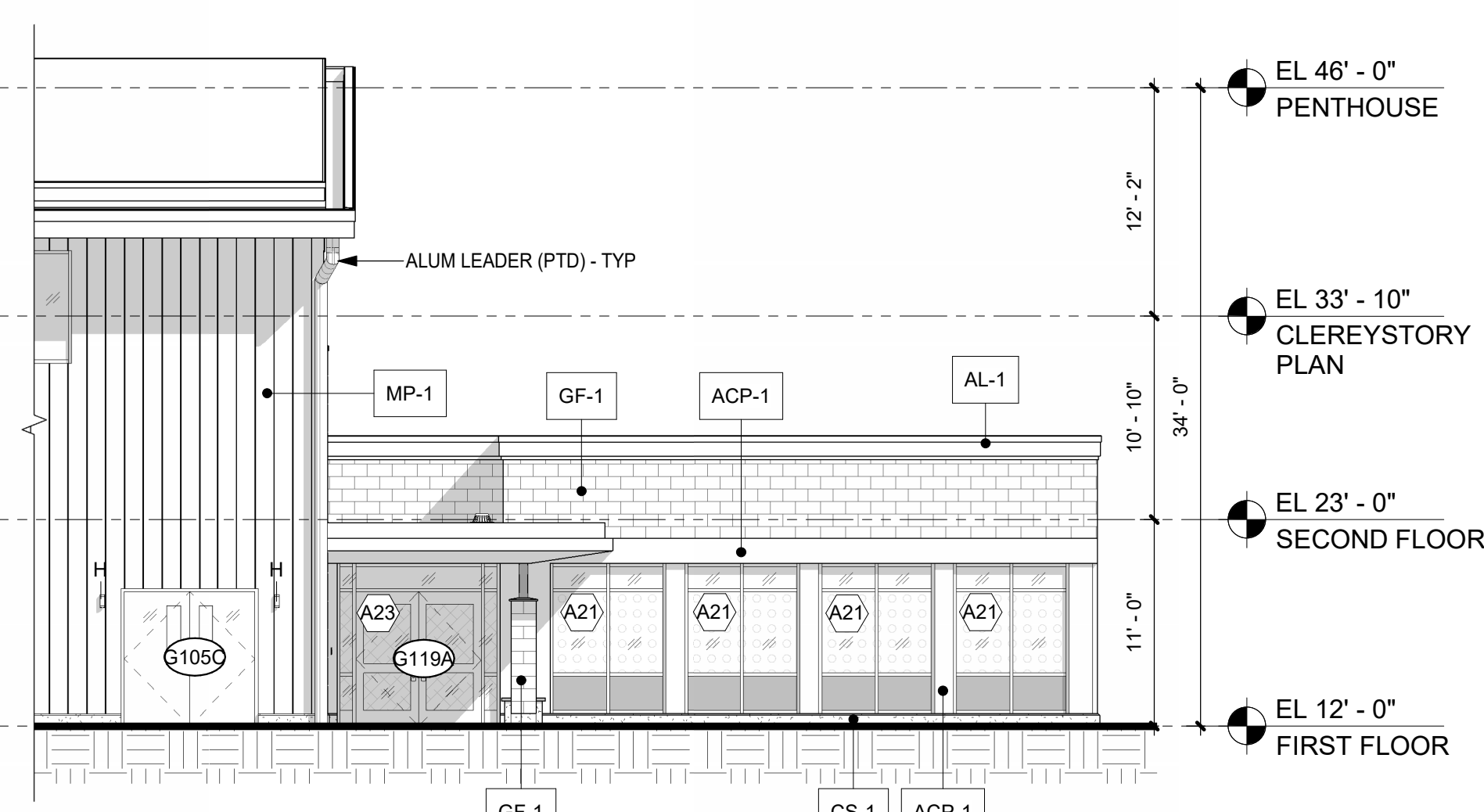
4 NORTH ELEVATION - GYMNASIUM
1/8" = 1'-0"



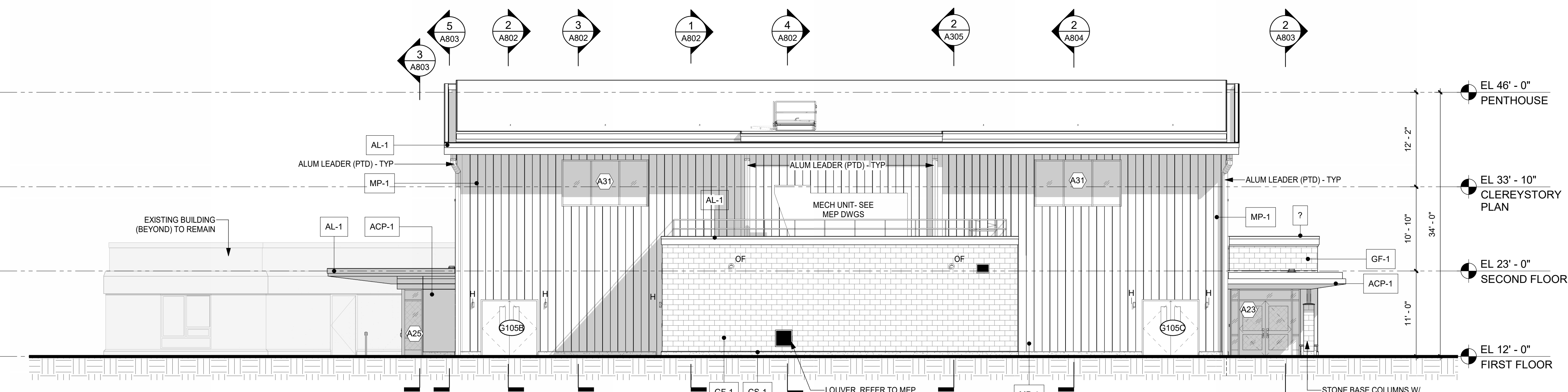
3A EAST ELEVATION - GYMNASIUM (ADD ALT 1)
1/8" = 1'-0"



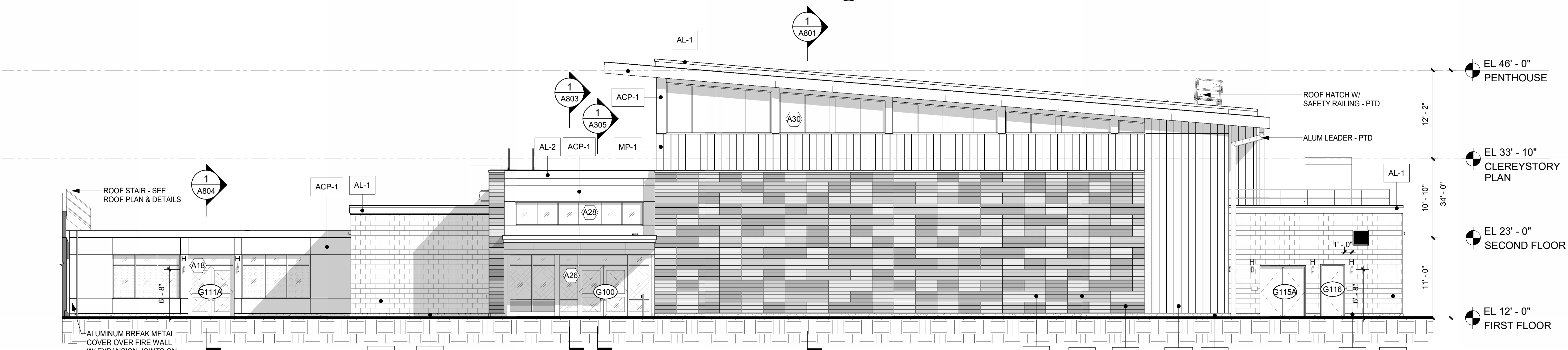
3 EAST ELEVATION - GYMNASIUM
1/8" = 1'-0"



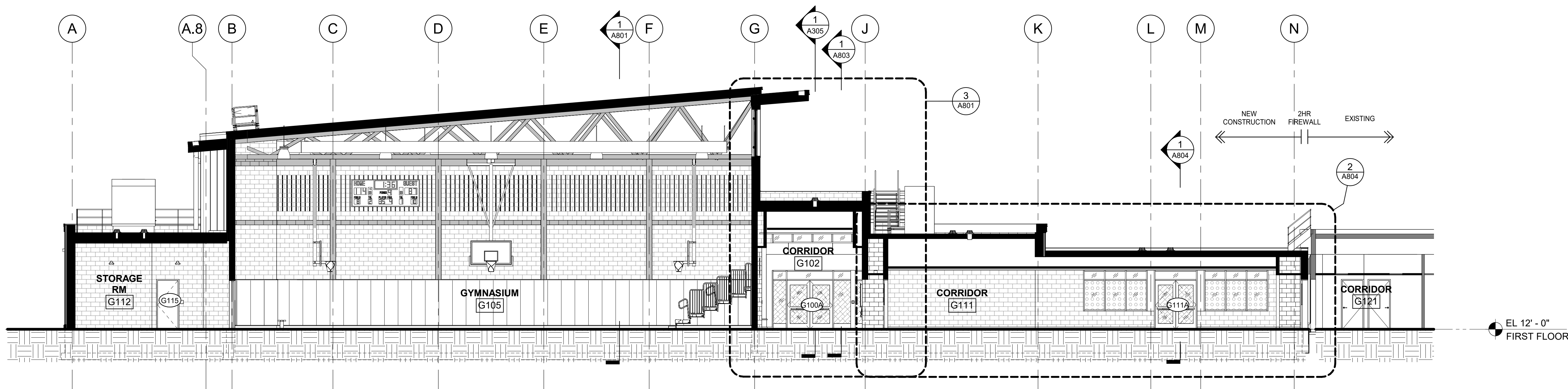
2A SOUTH ELEVATION - GYMNASIUM (ADD ALT 1)
1/8" = 1'-0"



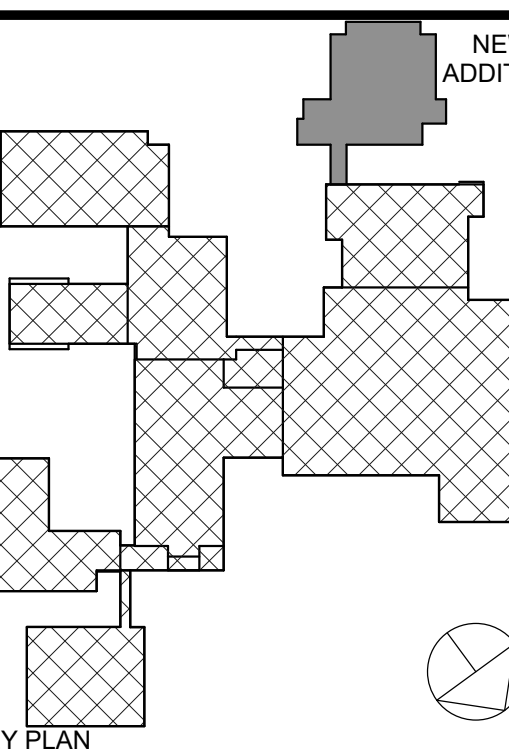
2 SOUTH ELEVATION - GYMNASIUM
1/8" = 1'-0"



1 WEST ELEVATION - GYMNASIUM
1/8" = 1'-0"



2 BUILDING SECTION - SOUTH TO NORTH
1/8" = 1'-0"



KEY PLAN

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No.	Date	Issue

Sheet Title

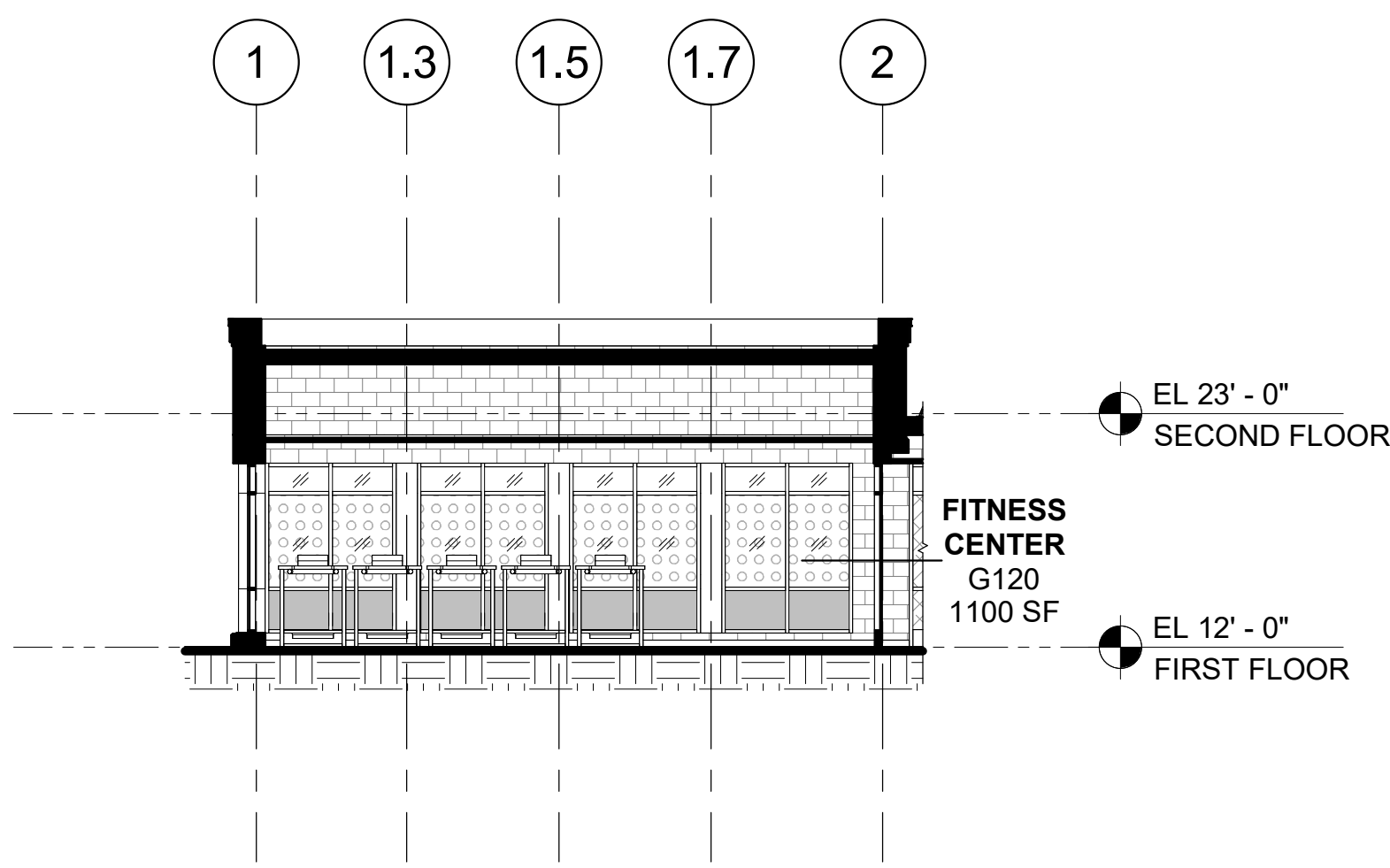
BUILDING SECTIONS

Job No. 2023-1012 Date 01/26/2024

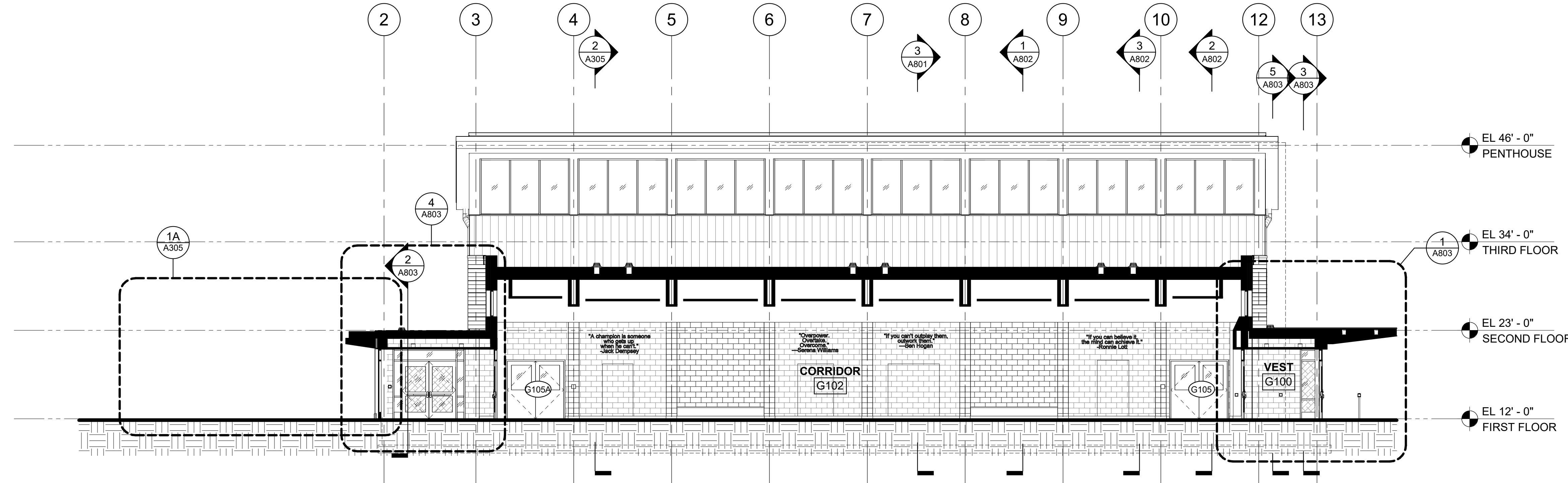
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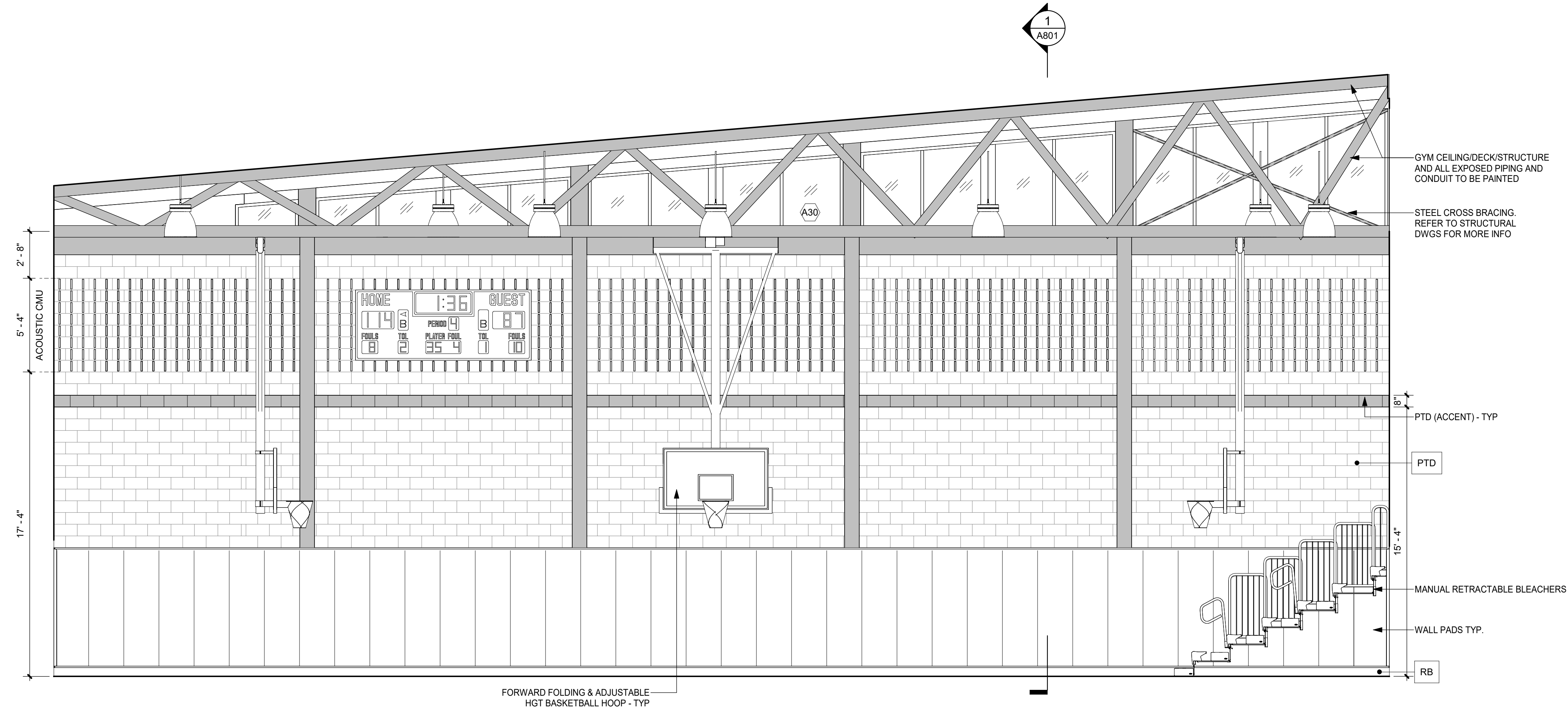
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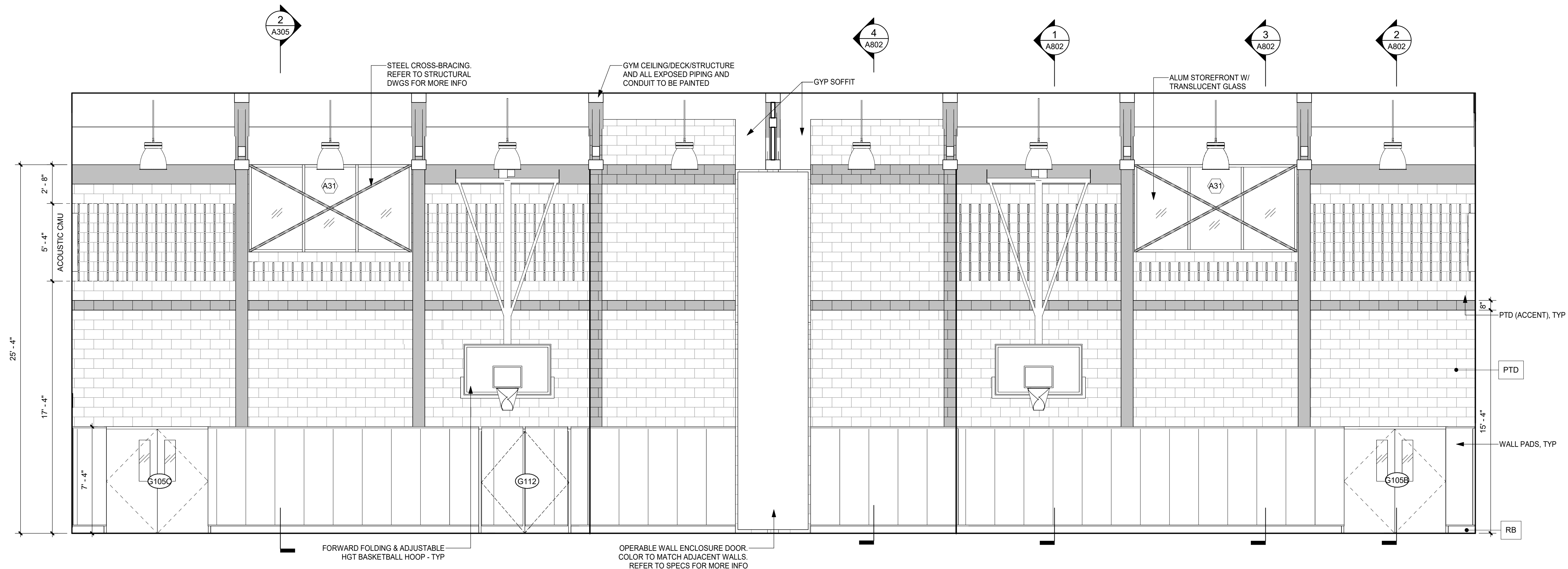
1A BUILDING SECTION - EAST TO WEST (ADD ALT)
1/8" = 1'-0"



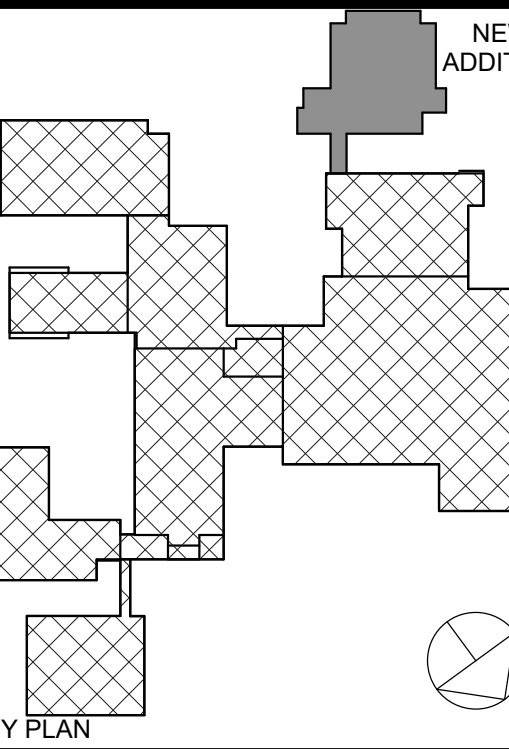
1 BUILDING SECTION - EAST TO WEST
1/8" = 1'-0"



2 GYMNASIUM - WEST ELEV
1/4" = 1'-0"



1 GYMNASIUM - SOUTH ELEV
1/4" = 1'-0"



KEY PLAN

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No.	Date	Issue

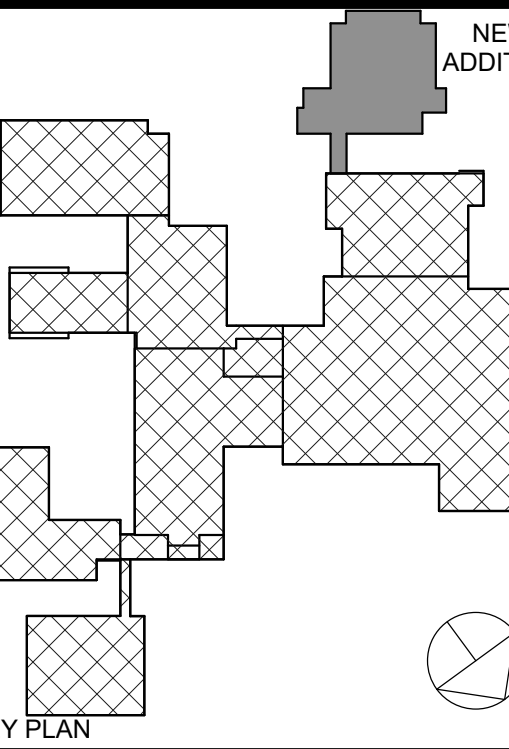
Sheet Title

INTERIOR ELEVATIONS

Job No.	2023-1012	Date	01/26/2024
Scale		Drawn / Checked	Author / Checker

Sheet Number

A401



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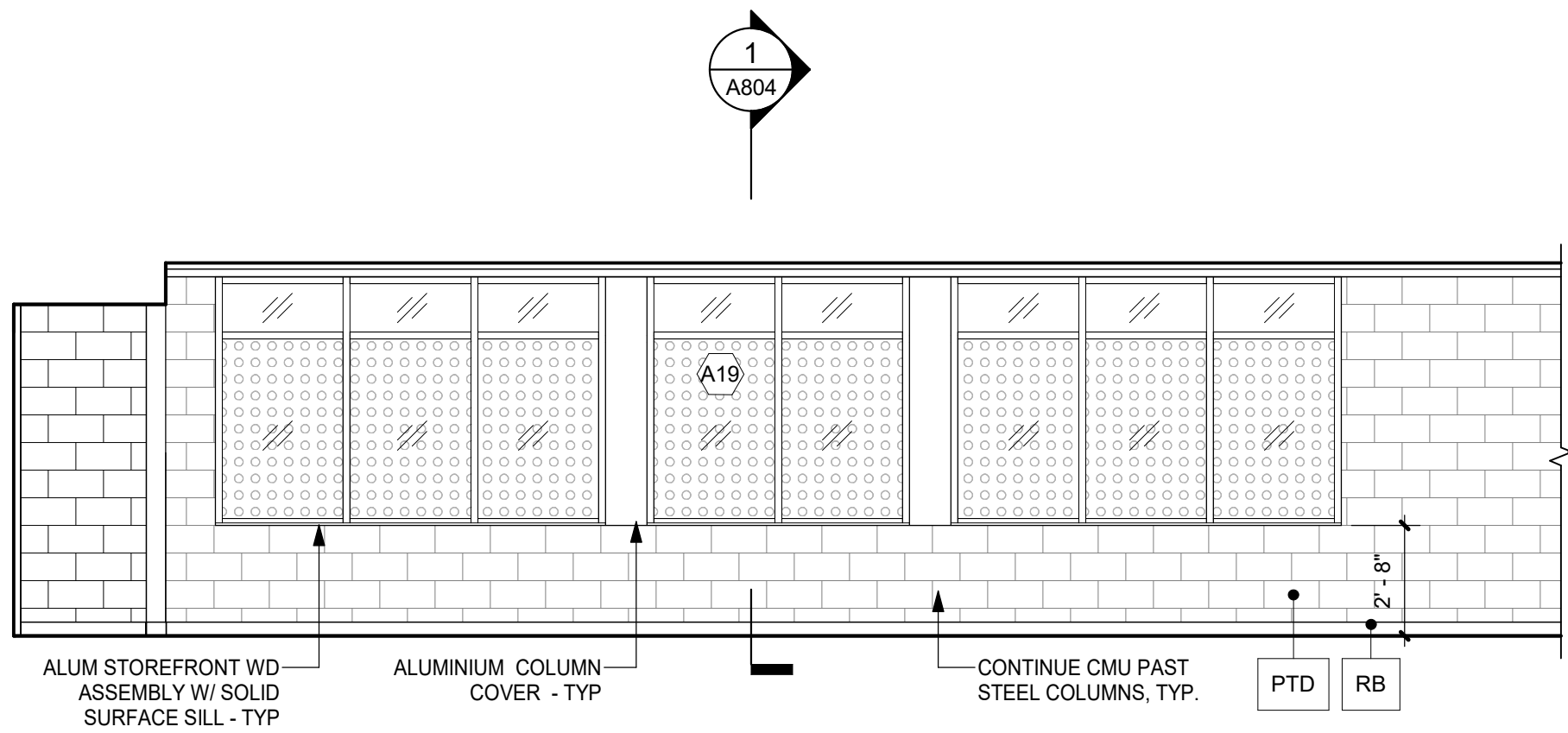
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INTERIOR ELEVATIONS

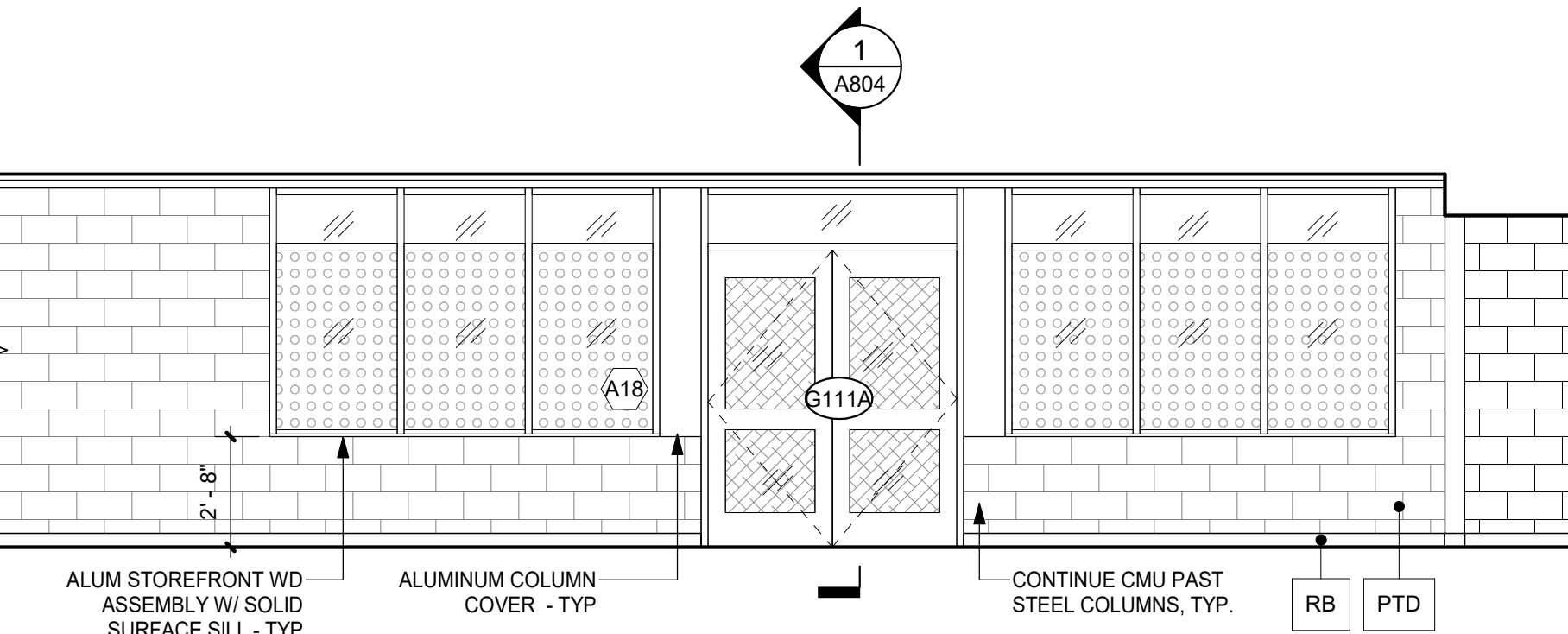
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Scale		Drawn / Checked	Author / Checker

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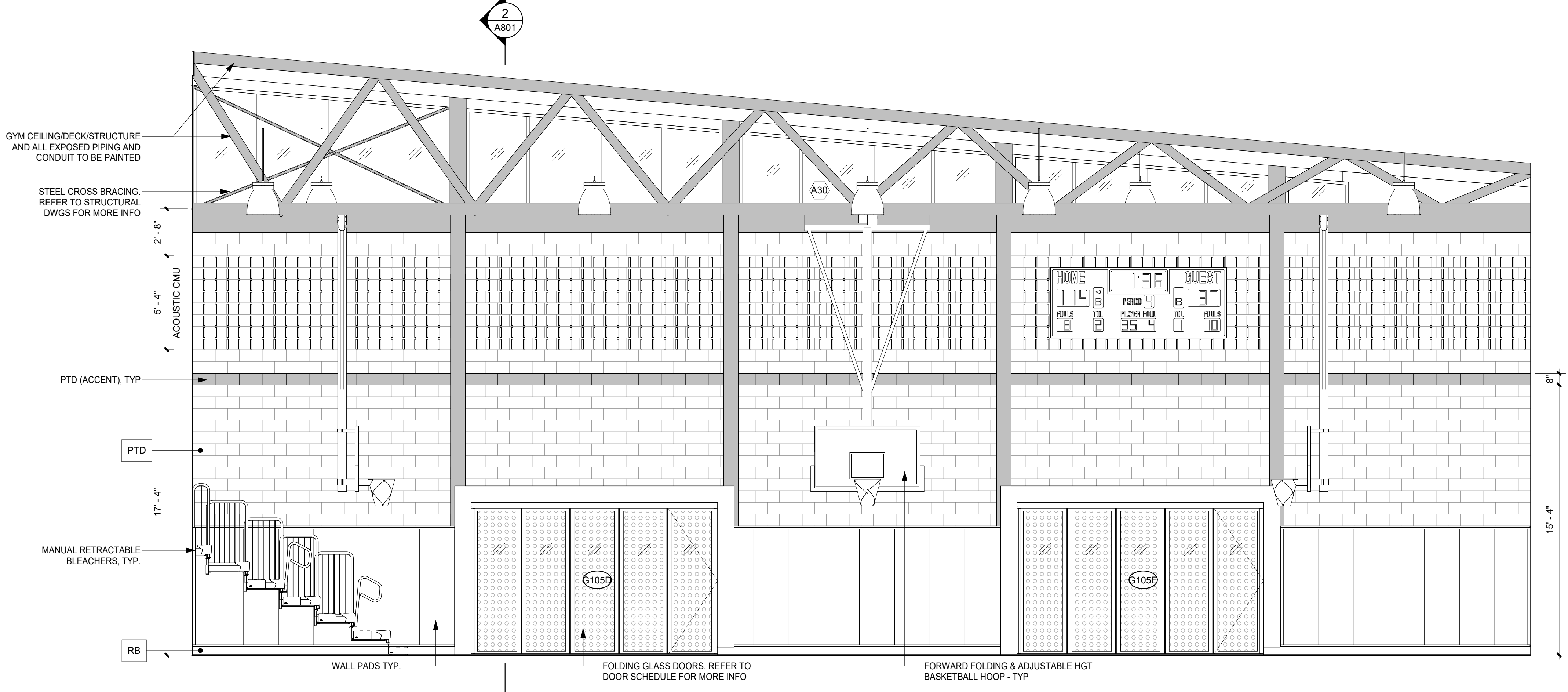
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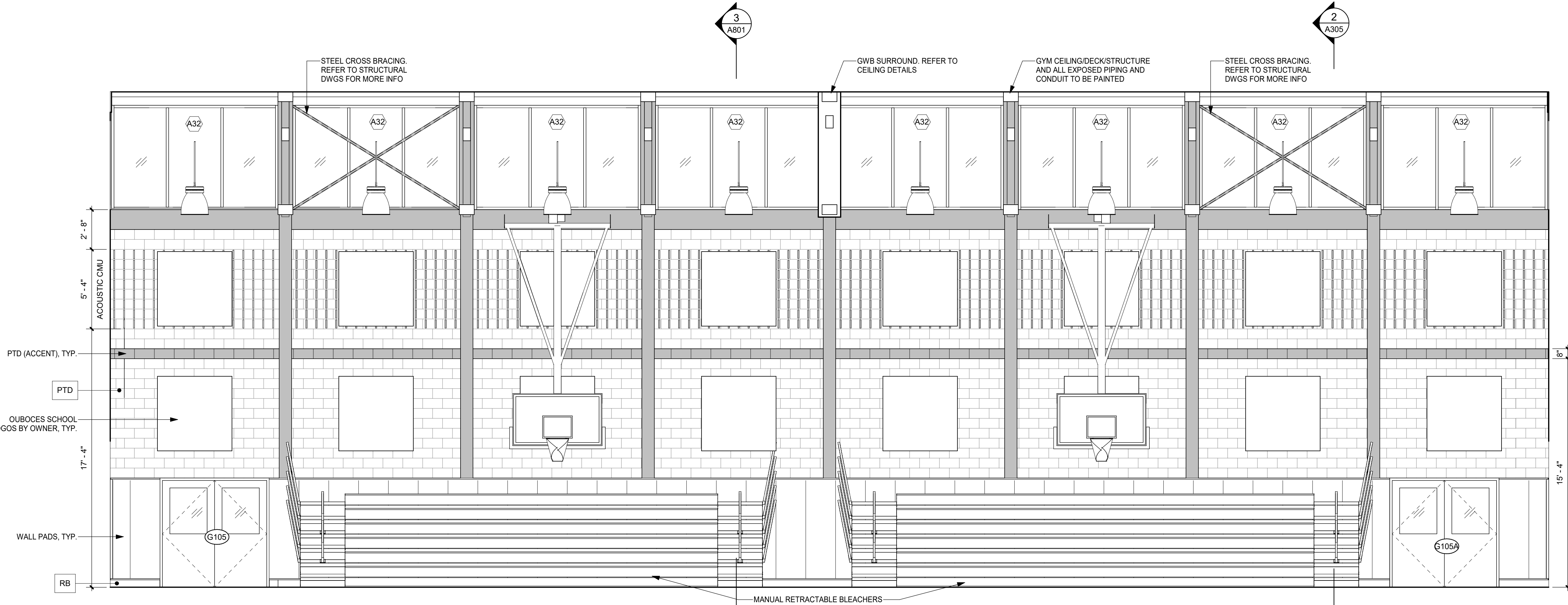
6 CORRIDOR CONNECTION - EAST ELEV
1/4" = 1'-0"



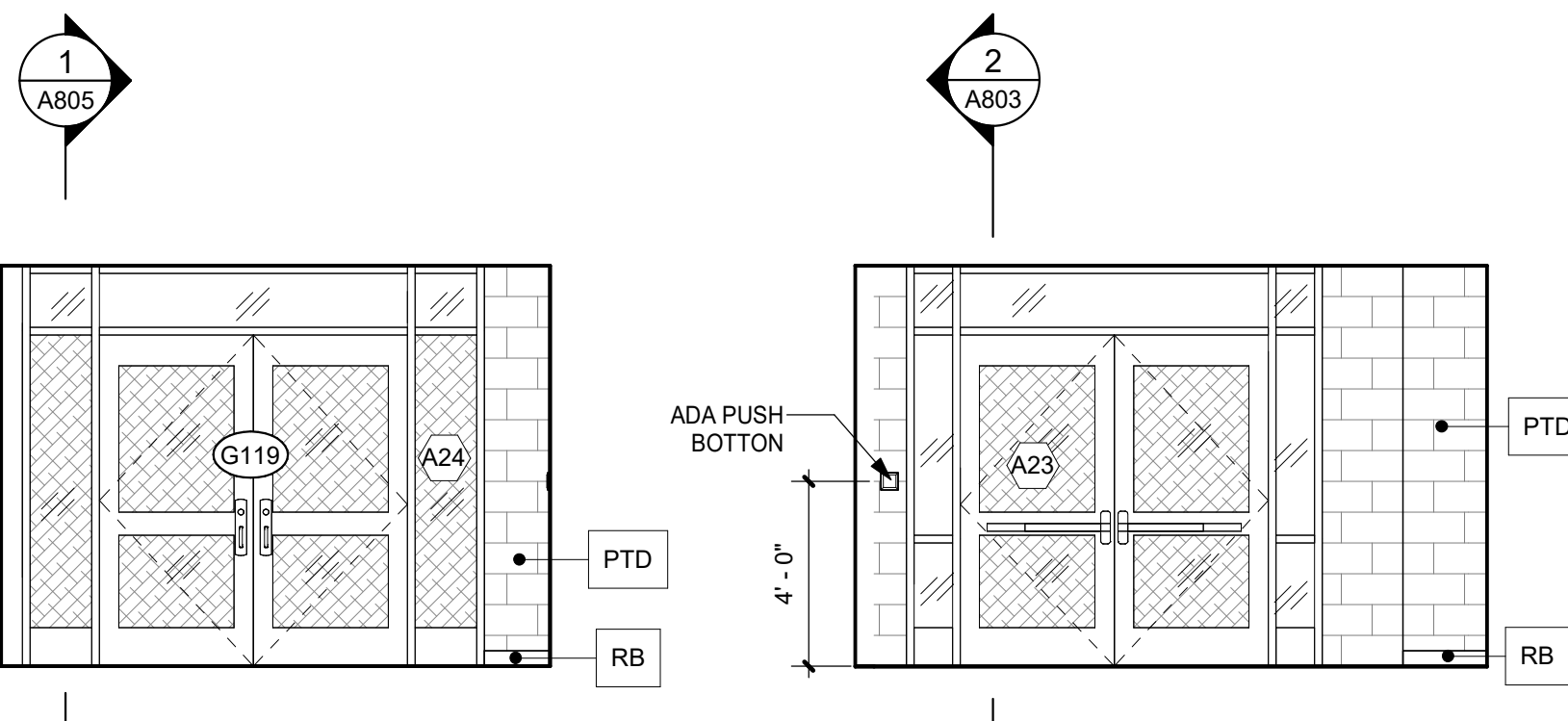
5 CORRIDOR CONNECTION - WEST ELEV
1/4" = 1'-0"



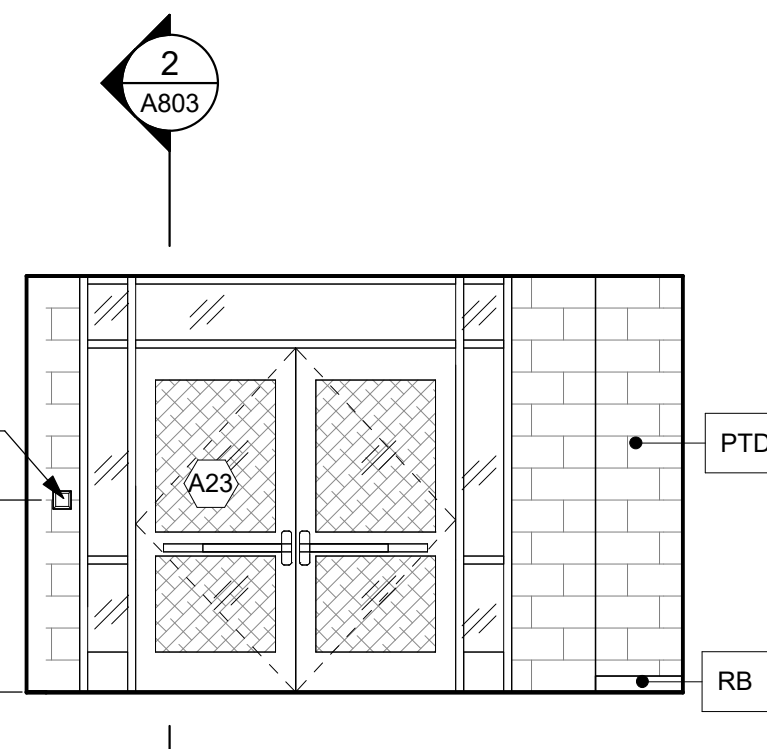
2 GYMNASIUM - EAST ELEV
1/4" = 1'-0"



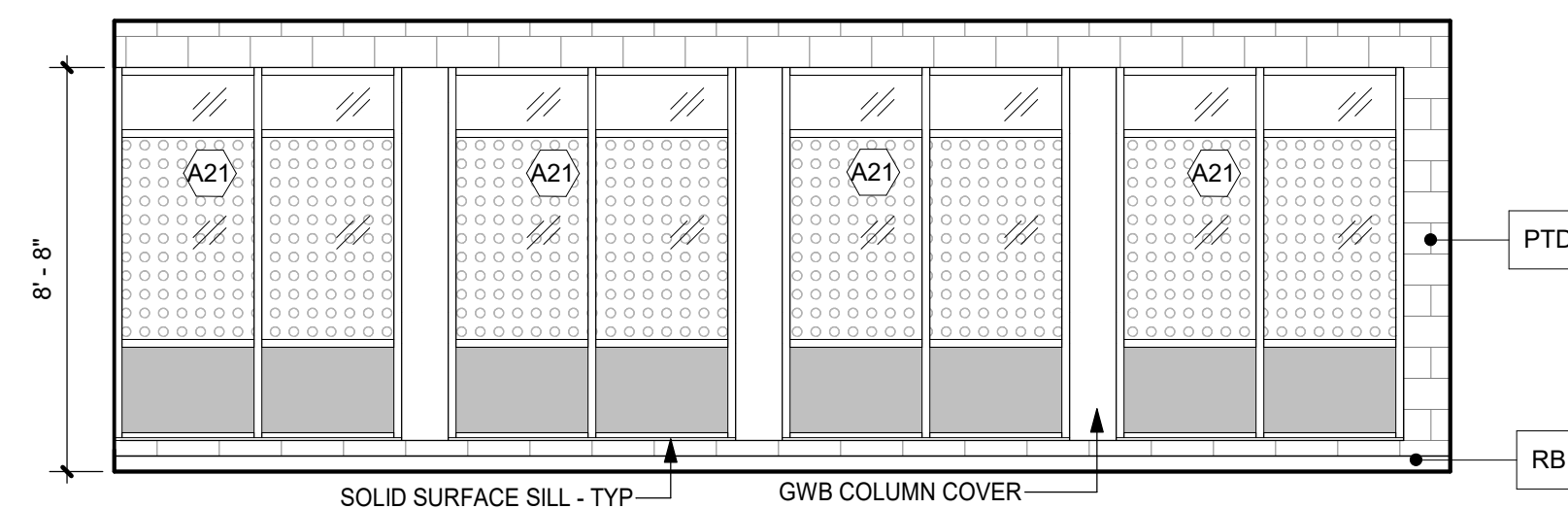
1 GYMNASIUM - NORTH ELEV
1/4" = 1'-0"



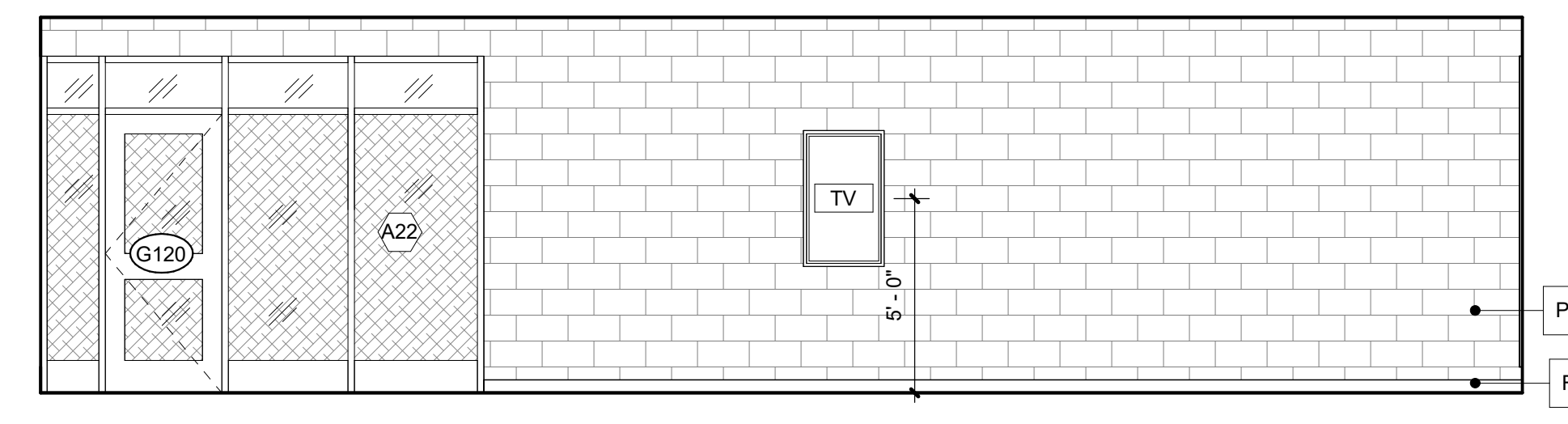
4 VEST 2 - WEST ELEV
1/4" = 1'-0"



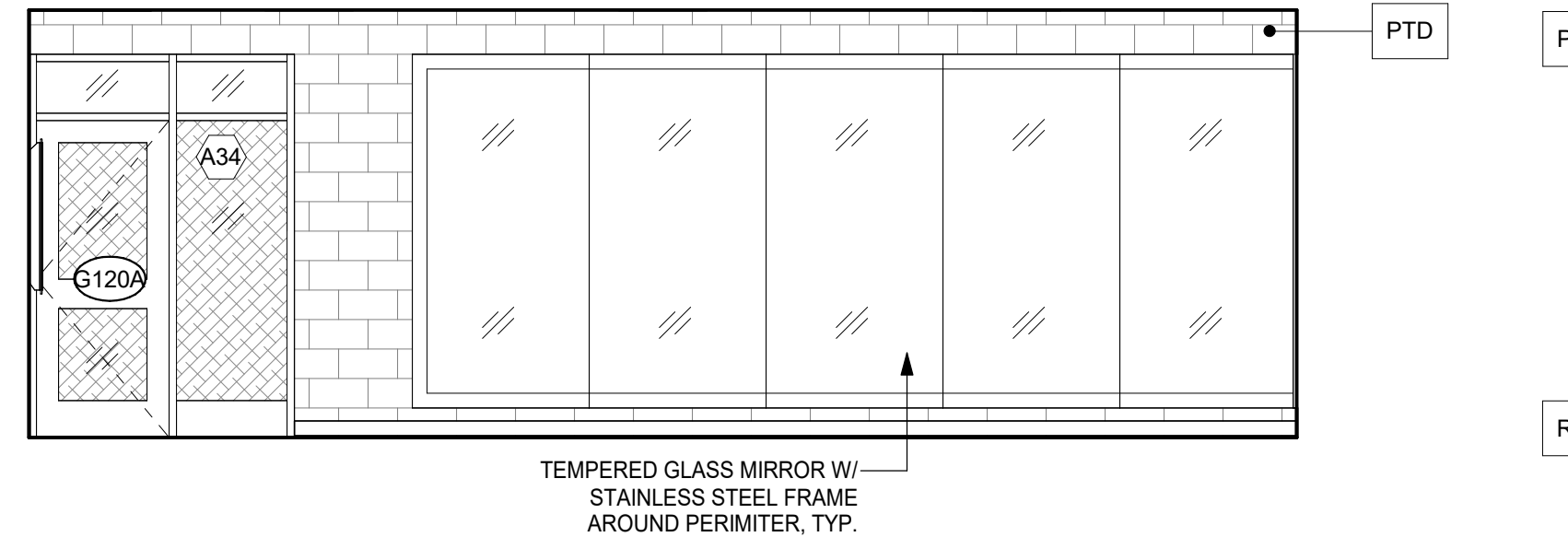
3 VEST 2 - SOUTH ELEV
1/4" = 1'-0"



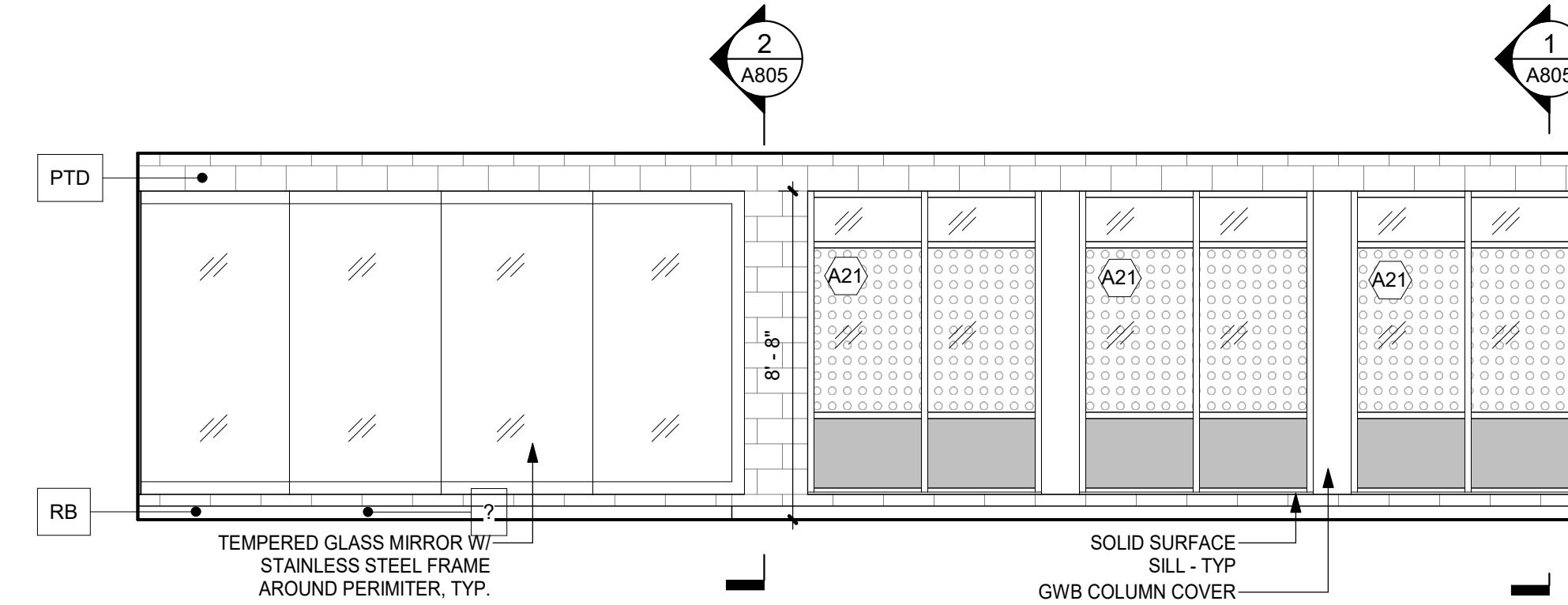
7 FITNESS CENTER - SOUTH ELEVATION
1/4" = 1'-0"



10 FITNESS CENTER - WEST ELEVATION
1/4" = 1'-0"



9 FITNESS CENTER - NORTH ELEVATION
1/4" = 1'-0"



8 FITNESS CENTER - EAST ELEVATION
1/4" = 1'-0"

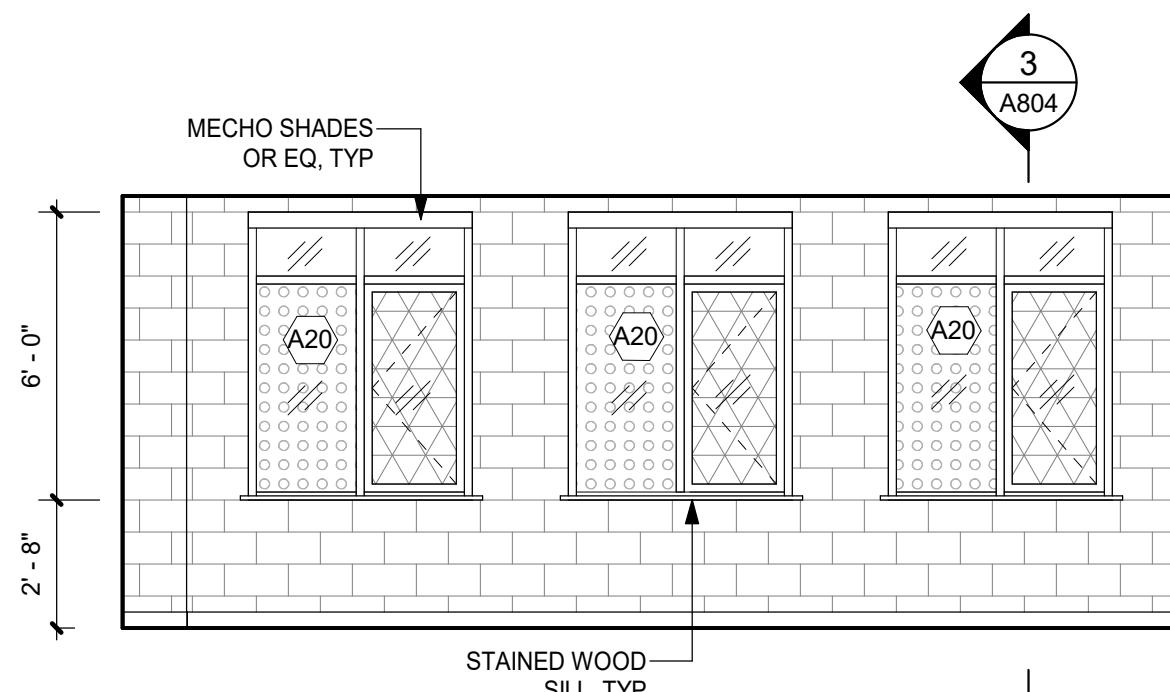
NOTE: FITNESS ROOM TO BE ADDED FROM BASE BID AS AN ADD ALT



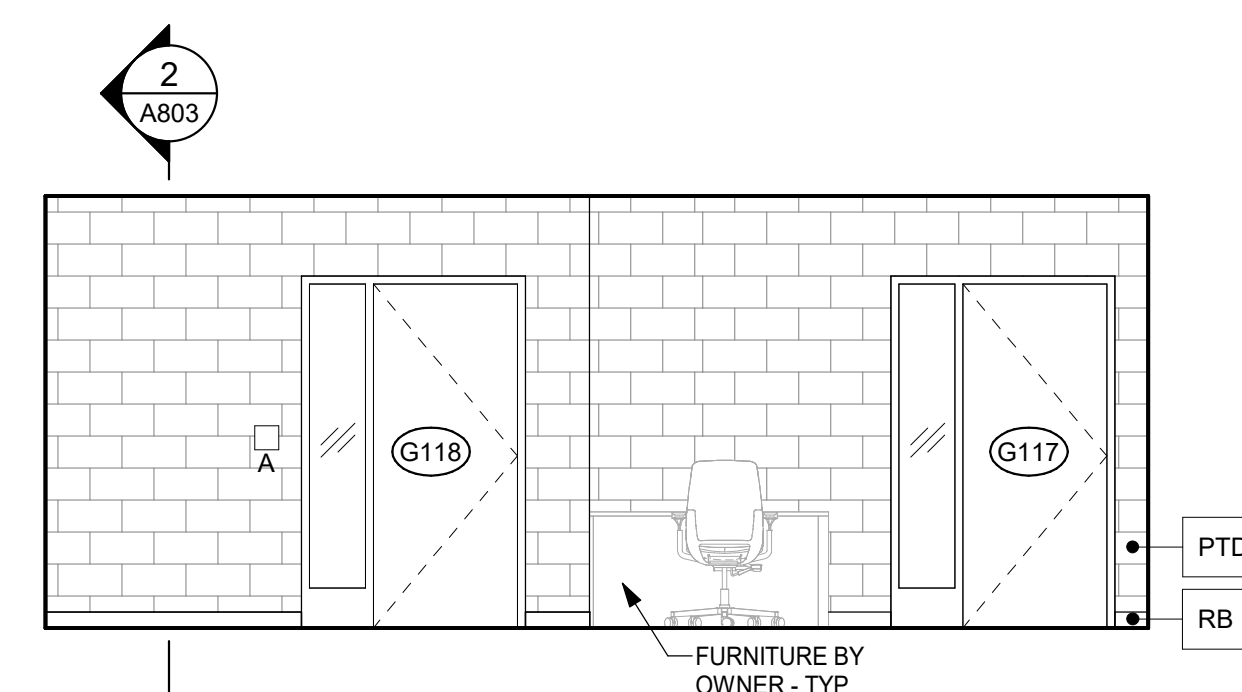
CORRIDOR LOOKING WEST
SCALE: NTS



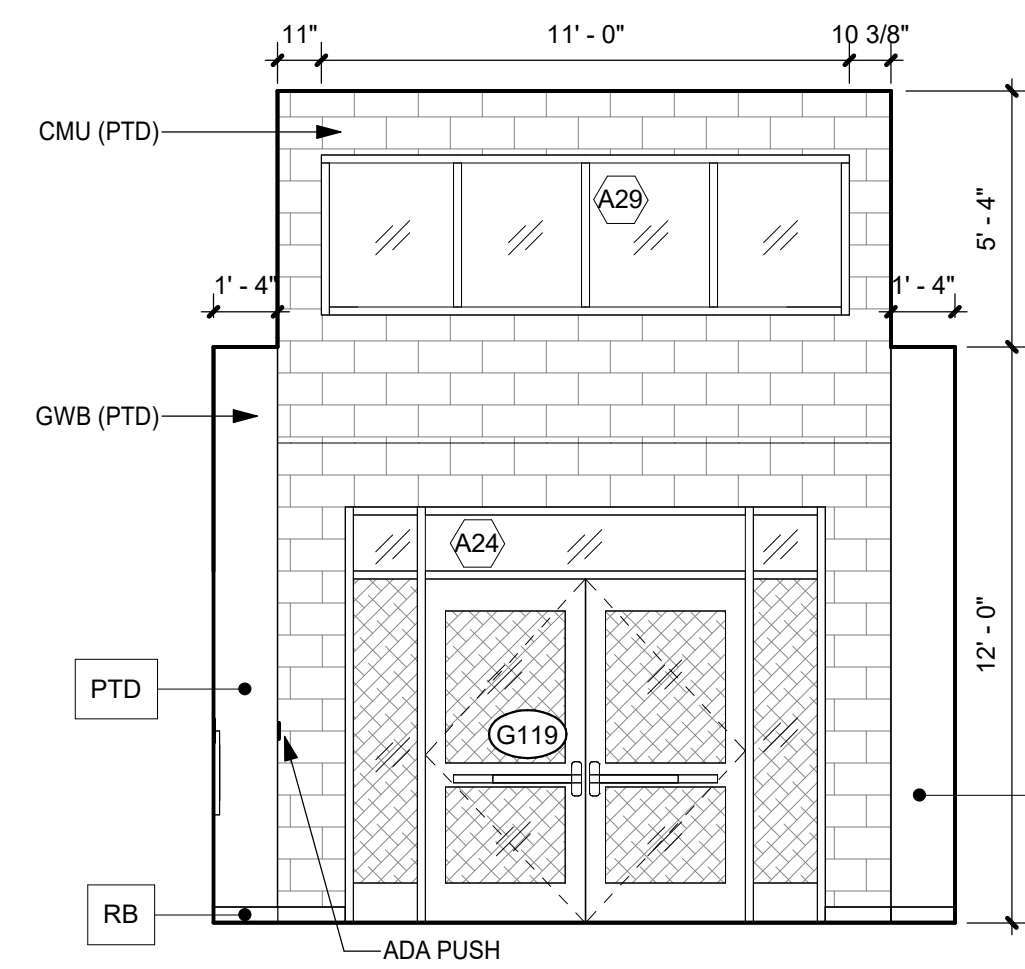
CORRIDOR LOOKING EAST
SCALE: NTS



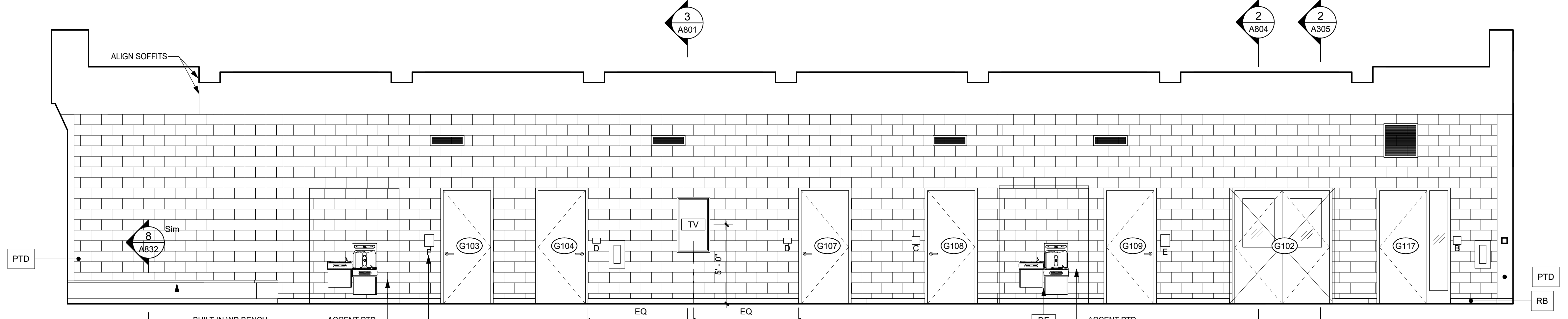
6 OFFICE SUITE- NORTH ELEVATION
1/4" = 1'-0"



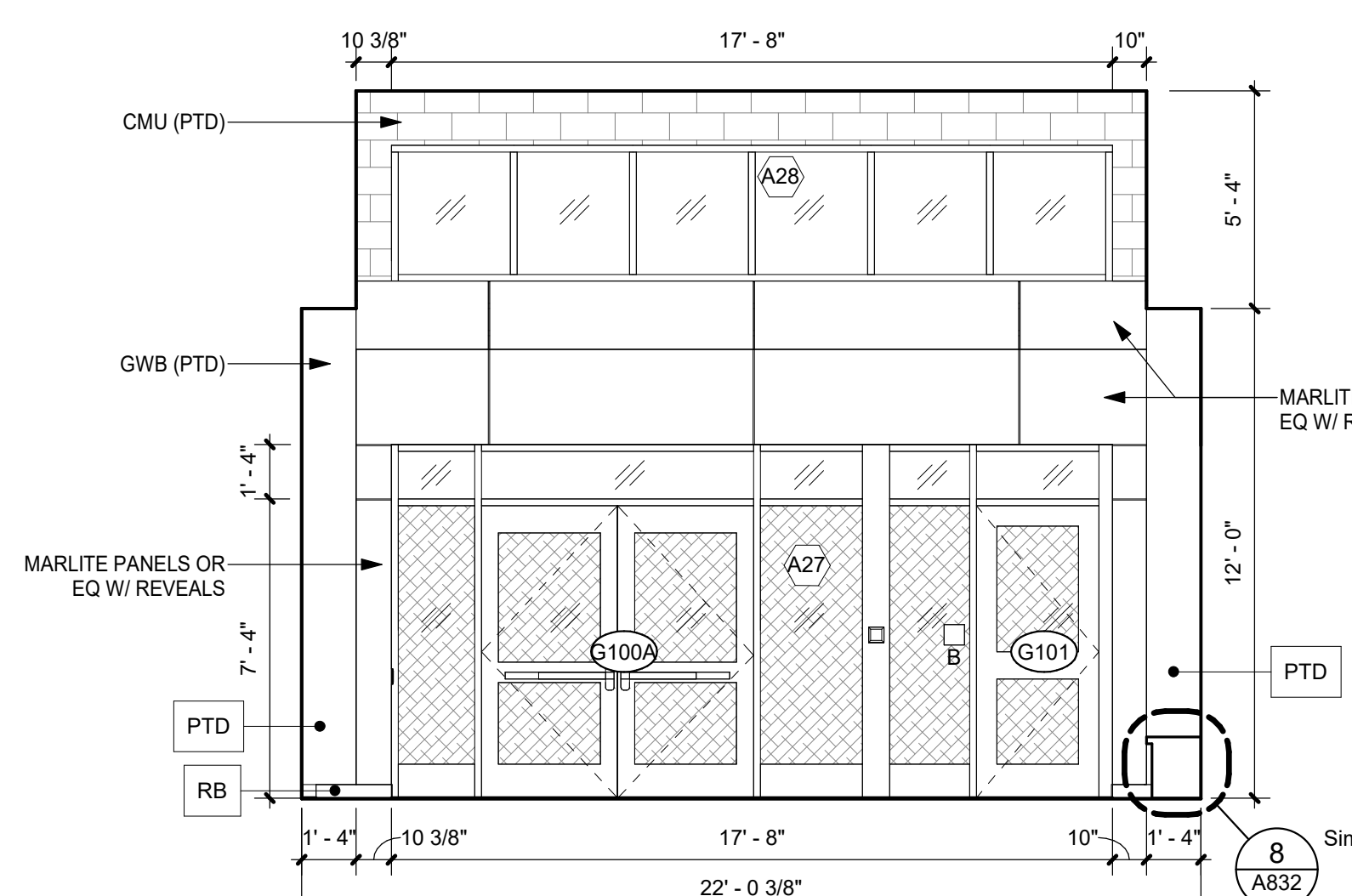
5 OFFICE SUITE - SOUTH ELEVATION
1/4" = 1'-0"



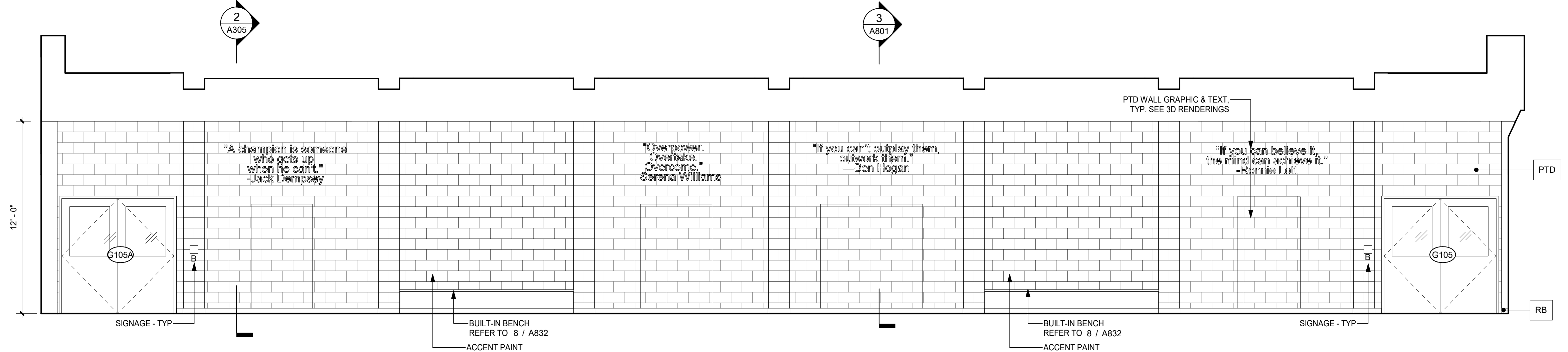
4 CORRIDOR - WEST ELEV
1/4" = 1'-0"



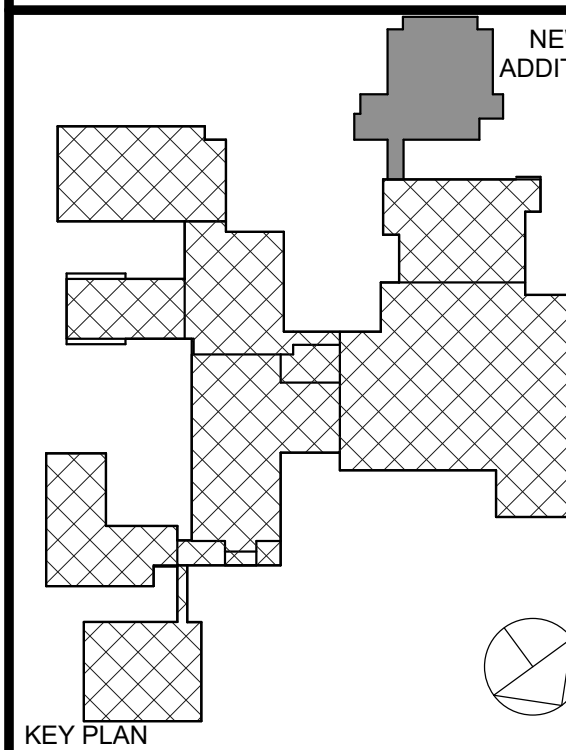
3 CORRIDOR - NORTH ELEVATION
1/4" = 1'-0"



2 CORRIDOR - EAST ELEV
1/4" = 1'-0"



1 CORRIDOR - SOUTH ELEV
1/4" = 1'-0"

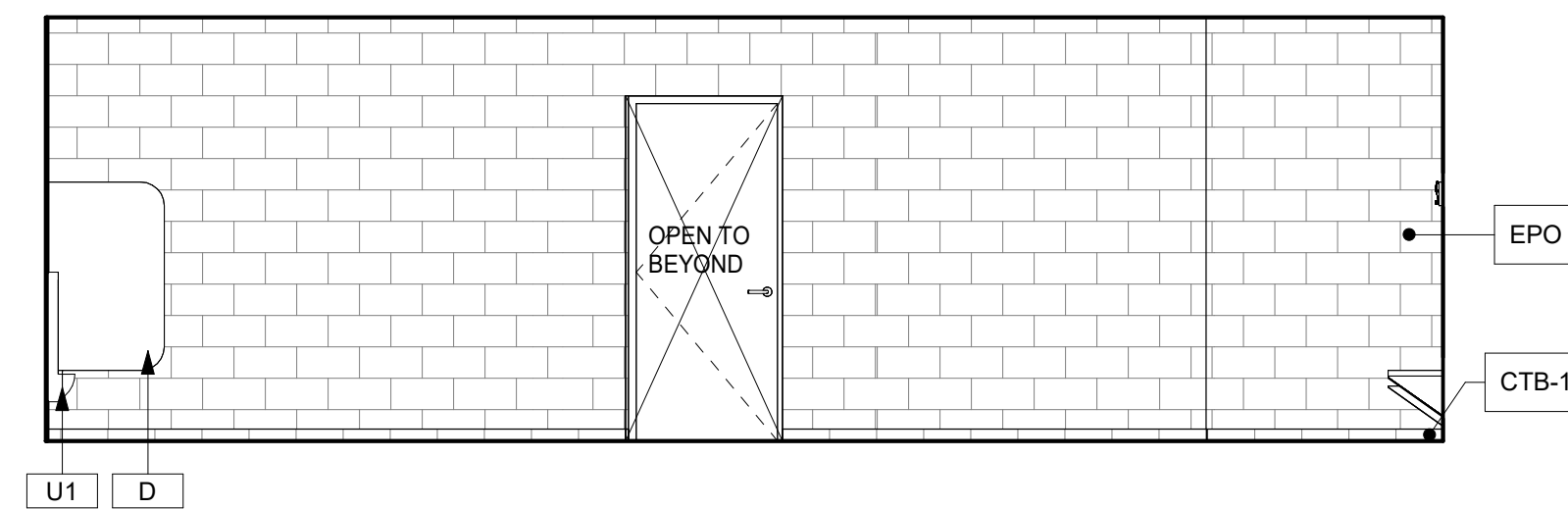


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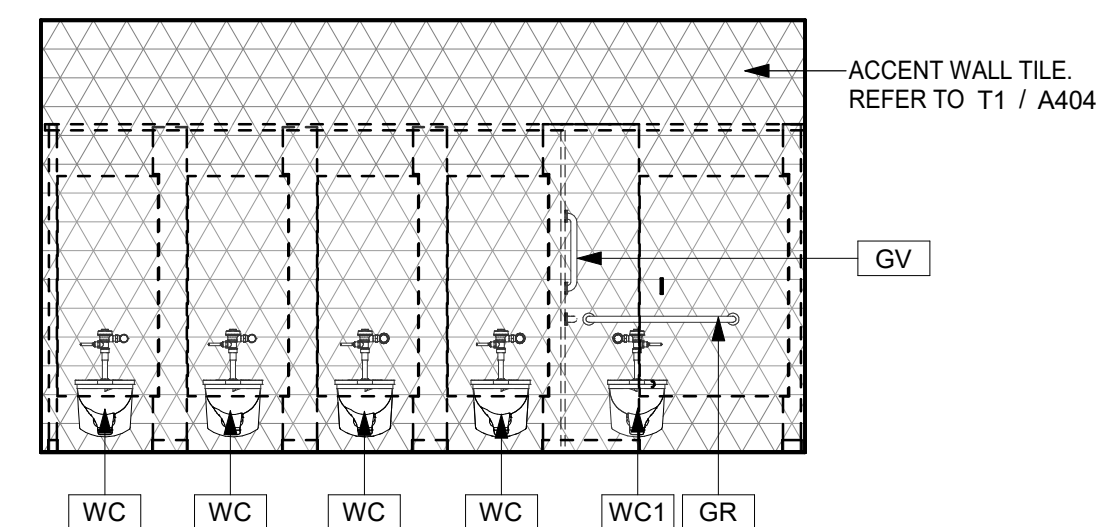
Professional Seal

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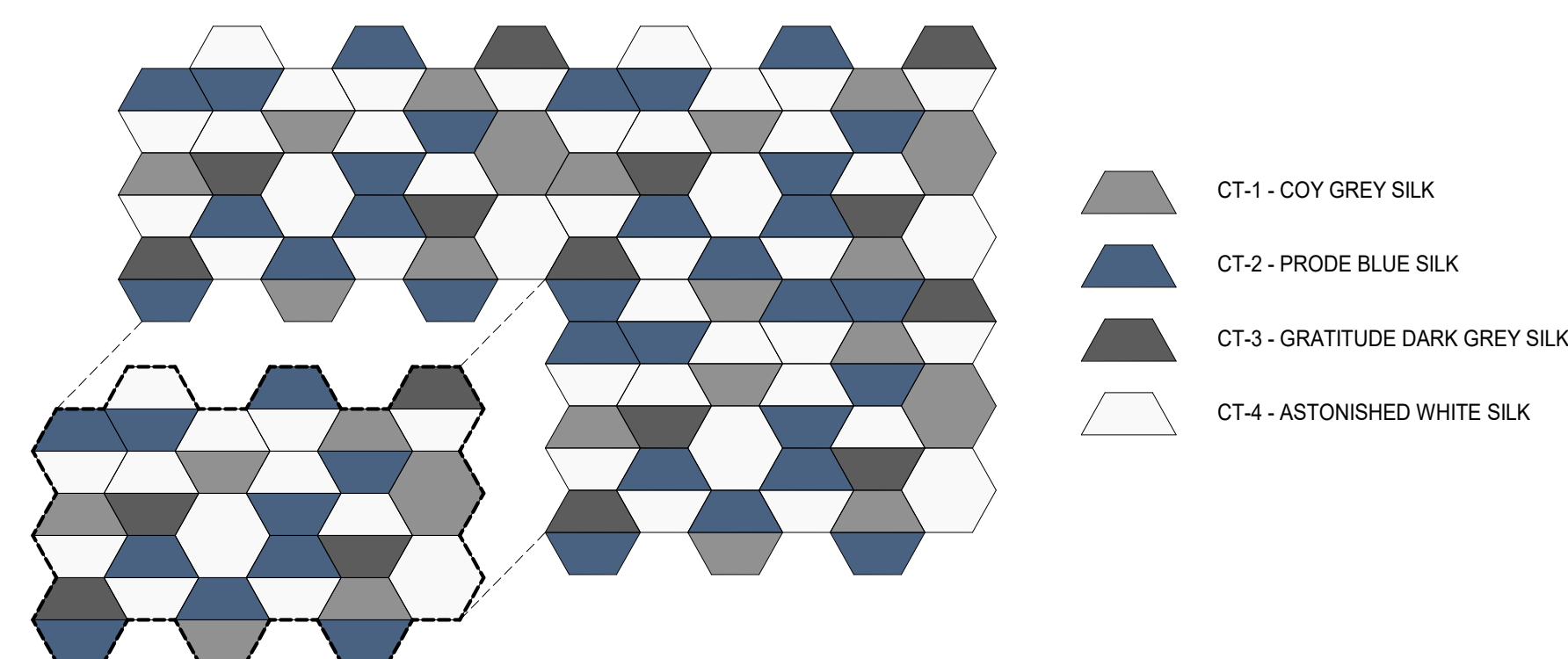
Job No.	2023-1012	Date	01/26/2024
Scale	Drawn / Checked	Author	Checker
Sheet Number	A403		



10 MEN'S TOILET RM - DOOR ELEV
1/4" = 1'-0"



5 WOMEN'S TOILET RM - DOOR ELEV
1/4" = 1'-0"



ACCENT WALL TILE
REFER TO T1 / A40

GV

GR

WC

G

U

M

CTB-2

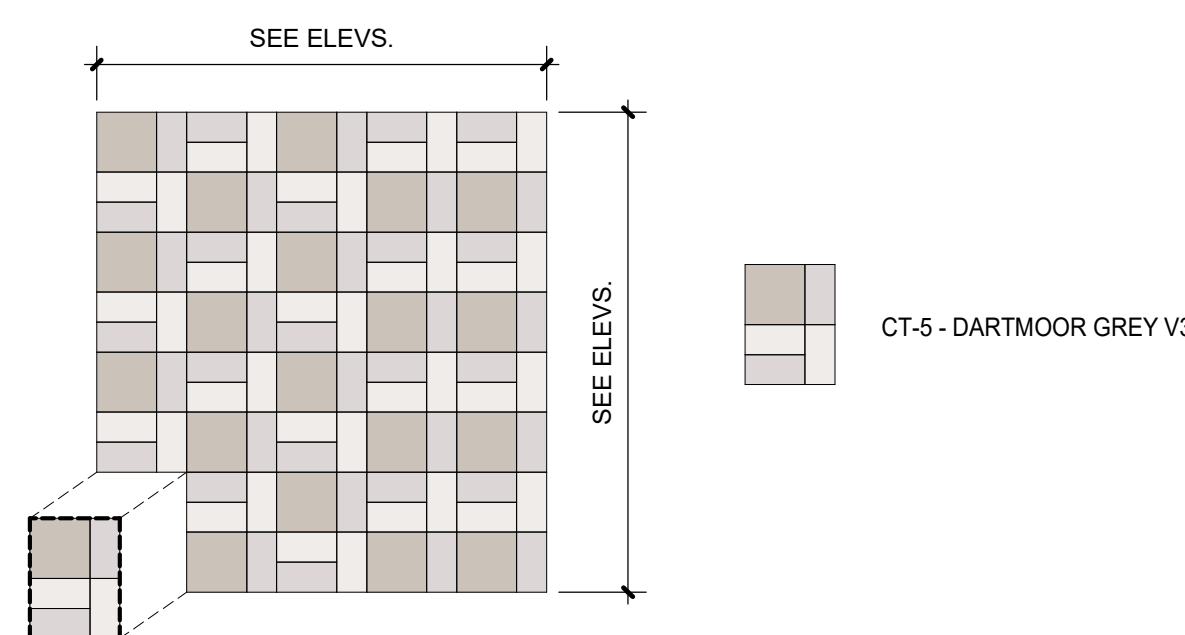
LS

L

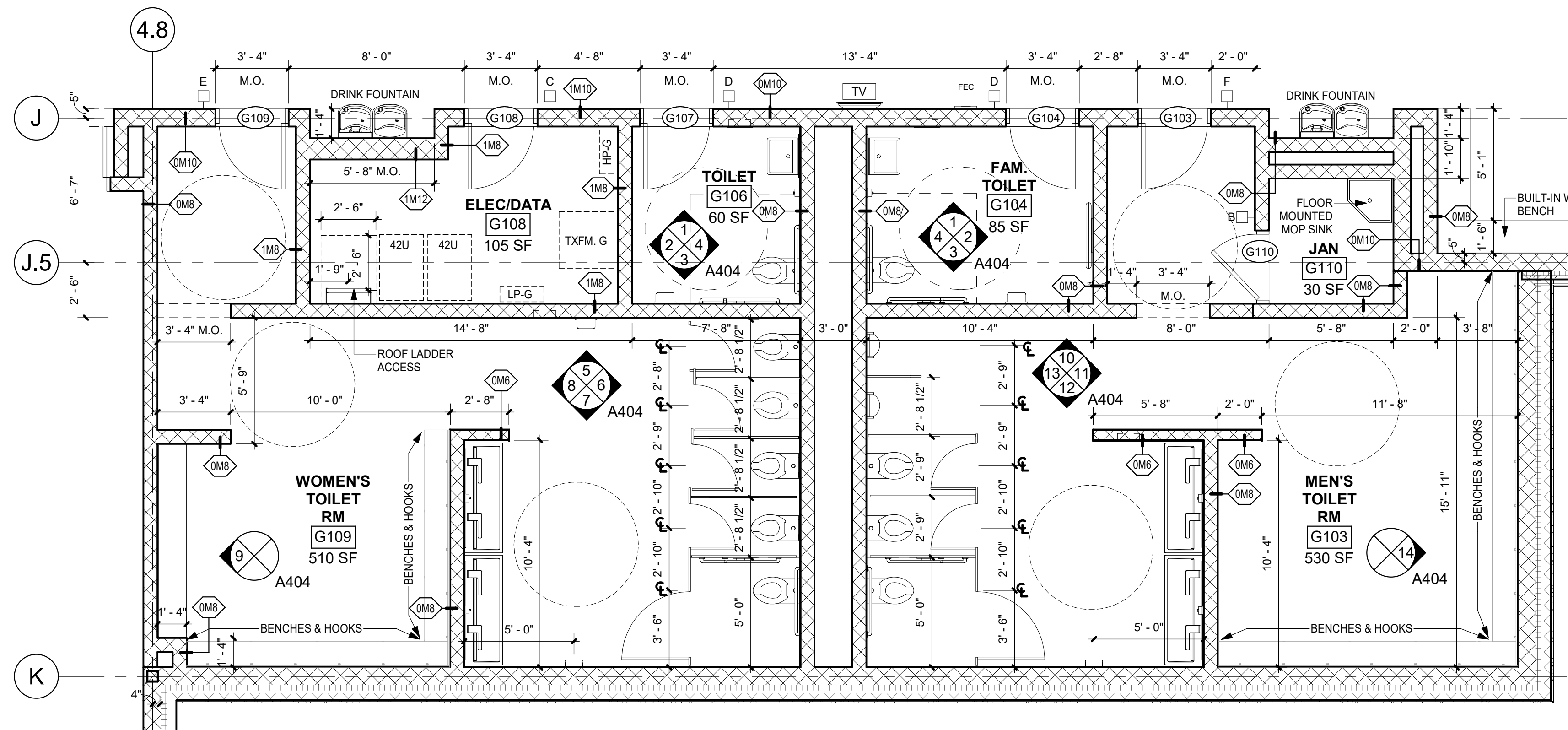
Diagram illustrating the layout of a 5' x 4 1/2" display panel. The panel is divided into sections for various components:

- EPO (Electronic Power Output) is located in the top right corner.
- CT-6 TRIM is located along the top edge.
- BCS (Broadcast Control System) is located in the center of the panel.
- CT-6 is located in the bottom right corner.
- CTB-2 (Control Terminal Board) is located in the bottom right corner, adjacent to CT-6.

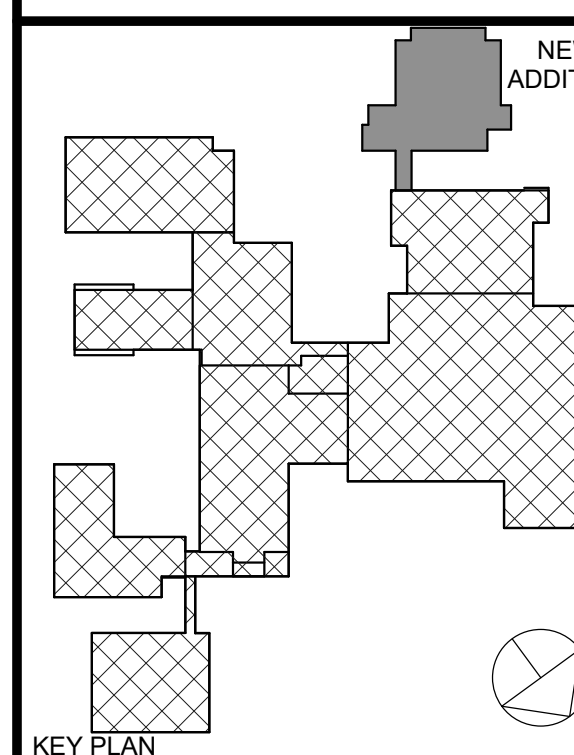
2 TOILET RM - OPP. ELEV
1/4" = 1'-0"



1 TOILET RM - DOOR ELEV
1/4" = 1'-0"



1A TOILET RMS - ENLARGED PLAN
1/4" = 1'-0"



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No.	Date	Issue

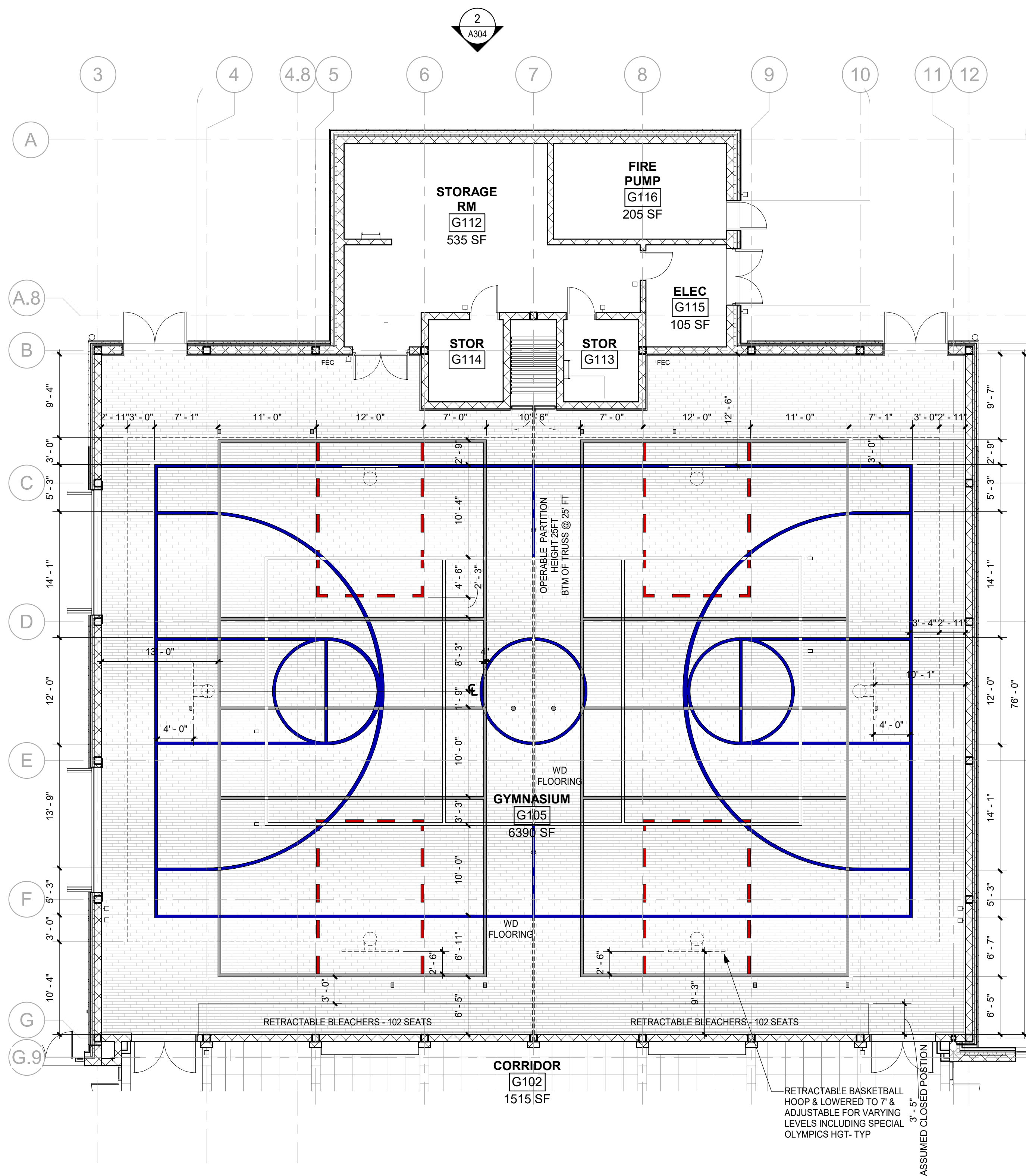
INTERIOR TOILET PLANS & ELEVATIONS

Job No.	Date
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2023-1012	01/26/2024
Scale	Drawn / Checked Author Checker

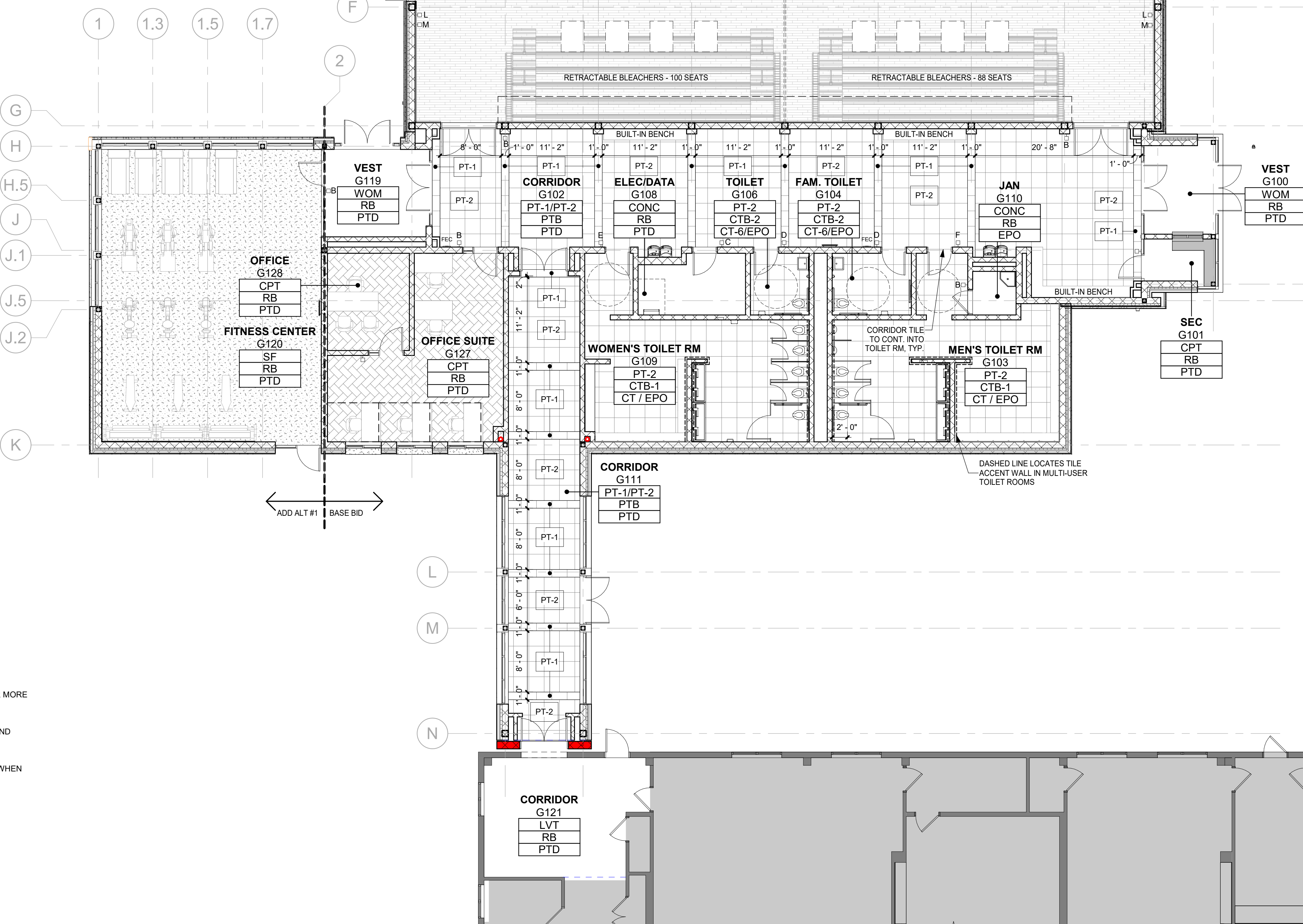
Sheet Number	
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A404



2 GYMNASIUM PLAN - SPORT LINES
1/8" = 1'-0"

- GYM COURT LAYOUT LINES, FLOOR SLEEVES & EQUIPMENT**
1. MAIN BASKETBALL COURT:
W/ 6" WIDE GLOSS DARK BLUE PERIMETER LINES
ALL OTHER MAIN COURT LINES SHALL BE 2" WIDE GLOSS DARK BLUE.
LANE SPACE MARKS SHALL BE OSHA YELLOW
 2. SECONDARY BASKETBALL COURTS,
ALL LINES TO BE 1" WIDE GLOSS RED, LANE SPACE MARKS (NONE)
 3. 1 MAIN VOLLEYBALL COURT, (NOT SHOWN FOR CLARITY)
ALL LINES TO BE 2" WIDE WHITE
 4. 2 SECONDARY VOLLEYBALL COURTS, (NOT SHOWN FOR CLARITY)
ALL LINES TO BE 1" WIDE PLATINUM GRAY, BADMINTON COURT
LINES SHALL BE TICK-MARKS AT CORNERS
 5. PROVIDE 6 (3 SETS) - VOLLEYBALL FLOOR PLATE & SLEEVE
(SPORTS IMPORTS - ITEM KA25)
PROVIDE 6 (3 SETS) - BADMINTON FLOOR PLATE & SLEEVE
(SPORTS IMPORTS - ITEM KA45)
PRIOR TO INSTALLATION, THE LOCATIONS MUST BE CONFIRMED BY
THE ATHLETIC DIRECTOR
 6. THE CONTRACTOR SHALL SUBMIT A (COLORED) LINE PAINTING
DIAGRAM FOR ALL MAIN AND SECONDARY COURTS
 7. PROVIDE: GYM WALL PADDING MOUNTED ON (CONCEALED) 'Z' CLIPS ON
ALL WALLS & (DOORS) IN NEW GYM. PADDING SHALL START 4" A.F.F. -
ALIGN PADS W/ TOP OF DOOR FRAMES.
PROVIDE CUTOUTS FOR "ALL" DEVICES & REGISTERS.
PADS FOR CLOSED BLEACHERS SHALL BE VELCRO ATTACHED
 8. ALL GYMNASIUM DEVICES SHALL BE PROVIDED W/ HEAVY DUTY
PROTECTIVE CAGES. SUITED FOR EACH PARTICULAR DEVICE & SHALL
INCLUDE BUT NOT BE LIMITED TO LIGHTING, SCORE BOARDS, SHOT
CLOCKS, SPEAKERS & PA DEVICES, CLOCKS, EXIT SIGNS, FIRE ALARM
DEVICES, THERMOSTATS.
 9. PRIOR TO LINE PAINTING THE CONTRACTOR SHALL CONFIRM BASKET
LOCATIONS.
 10. COURT OVERALLS:
BASKETBALL COURT: 50'-0" X 84'-0"
MAIN VOLLEYBALL COURT: 30'-0" X 60'-0"
SECONDARY VOLLEYBALL COURTS 30'-0" X 60'-0"
SECONDARY BASKETBALL COURTS: 12'-0" X 17'-7"
(FREE THROW LINE OVERALL ONLY)



1 GYMNASIUM FINISH PLAN - FLOOR FINISH & ADD ALT
1/8" = 1'-0"

FINISH SCHEDULE									
ROOM #	ROOM NAME	FLOOR		WALL		CEILING		COMMENTS	
		FINISH	BASE	MATERIAL	FINISH	MATERIAL	FINISH		
G100	VEST	WOM	RB	CMU	PTD	GWB	PTD		
G101	SEC	CPT	RB	CMU	PTD	GWB	PTD		
G102	CORRIDOR	PT-1/PT-2	PTB	CMU/GWB	PTD	GWB/ACT	PTD/FF	MARLITE PANELS @ MAIN VESTIBULE	
G103	MENS TOILET RM	PT-2	CTB-1	CMU/CB	CT/EPO	GWB	PTD	CT-1,2,3,4 ACCENT WALLS	
G104	FAM. TOILET	PT-2	CTB-2	CMU/CB	CT-6/EPO	GWB	PTD	CT-5 ACCENT WALL	
G105	GYMNASIUM	WD	RB	CMU/GWB	PTD	N/A	PTD	OPEN TO STRUCTURE, PAINTED	
G106	TOILET	PT-2	CTB-2	CMU/CB	CT-6/EPO	GWB	PTD	CT-5 ACCENT WALL	
G108	ELEC/DATA	CONC	RB	CMU	PTD	N/A	N/A	OPEN TO STRUCTURE, NOT PAINTED	
G109	WOMENS TOILET RM	PT-2	CTB-1	CMU/CB	CT/EPO	GWB	PTD	CT-1,2,3,4 ACCENT WALLS	
G110	JAN	CONC	RB	CMU	EPO	ACT	FF		
G111	CORRIDOR	PT-1/PT-2	PTB	CMU	PTD	ACT	FF		
G112	STORAGE RM	CONC	RB	CMU	PTD	N/A	N/A	OPEN TO STRUCTURE, NOT PAINTED	
G113	STOR	CONC	RB	CMU	PTD	N/A	N/A	OPEN TO STRUCTURE, NOT PAINTED	
G114	STOR	CONC	RB	CMU	PTD	N/A	N/A	OPEN TO STRUCTURE, NOT PAINTED	
G115	ELEC	CONC	RB	CMU	PTD	N/A	N/A	OPEN TO STRUCTURE, NOT PAINTED	
G116	FIRE PUMP	CONC	RB	CMU	PTD	N/A	N/A	OPEN TO STRUCTURE, NOT PAINTED	
G117	OFFICE SUITE	CPT	RB	CMU	PTD	ACT	FF		
G118	OFFICE	CPT	RB	CMU	PTD	ACT	FF		
G119	VEST	WOM	RB	CMU	PTD	GWB	PTD		
G120	FITNESS CENTER	SF	RB	CMU	PTD	ACT	FF		
G121	CORRIDOR	LVT	RB	EX	PTD	ACT	FF		
G125	OFFICE SUITE	CPT	RB	CMU	PTD	ACT	FF		
G126	OFFICE	CPT	RB	CMU	PTD	ACT	FF		
G127	OFFICE SUITE	CPT	RB	CMU	PTD	ACT	FF		
G128	OFFICE	CPT	RB	CMU	PTD	ACT	FF		

FINISH SCHEDULE GENERAL NOTES:

NOTE:
[1] NUMBER INDICATES STYLE - REFER TO SPEC FOR MORE
INFORMATION ON FINISHES

[-] DASH INDICATES SURFACE TO REMAIN AS IS &
PROTECTED FROM DAMAGE DURING DEMOLITION AND
CONSTRUCTION

PATCH & MATCH TO EXISTING ADJACENT FINISHES WHEN
WALLS/SURFACES ARE DISTURBED, TYP.

ACCENT	ACCENT PAINT COLOR	EX-ACT	EXISTING ACOUSTIC	GWB	GYPSUM WALL BOARD	RCP	REFLECTED CEILING PLAN
ACT	ACOUSTIC CEILING TILE	EX-H	CEILING TILE	MEP	MECHANICAL, ELECTRICAL AND PLUMBING	SCH	SCHLUTER ALUMINUM COVE BASE
AFB	ABOVE FINISH FLOOR	EVH	EXISTING HARD CEILING	MH	MATCH EXISTING HEIGHT	T	TILE
CMU	CONCRETE MASONRY UNIT	FF	EXISTING VINYL TILE	OTS	OPEN TO STRUCTURE	TT	TERRAZZO TILE
CPT	CARPET	FRP	FACTORY FINISH	PTD	PAINT / PAINTED	VCT	VINYL COMPOSITE TILE
CT	CERAMIC TILE	GL	FIBER REINFORCED	PT*	PORCELAIN TILE	VT	(LUXURY) VINYL TILE
CTB	CERAMIC TILE BASE		POLYMER	RT	RUBBER BASE	WD	WOOD
EPO	EPOXY PAINT		GLASS / WINDOW WALL		WOOD PANEL	WOM	WOOD PANEL WALK-OFF MAT
EX	EXISTING MATERIAL						

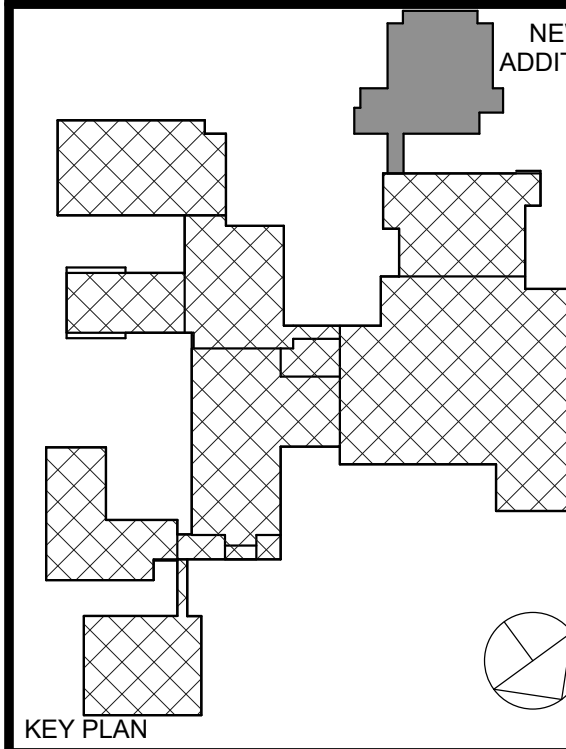
ORANGE-ULSTER BOCES
ARDEN HILL -
MAIN BUILDING
ADDITIONS AND
ALTERATIONS
4 HARRIMAN DRIVE
GOSHEN, NY 10924

KG+D listen
imagine
build
KG+D . ARCHITECTS PC
285 MAIN STREET MOUNT KISCO, NEW YORK, 10549
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.#
44-90-00-00-0-035-010

ISSUED FOR BID

LEGEND	
XXX	FLOOR FINISH
XXX	WALL BASE
XXX	WALL FINISH
X	SIGNAGE TYPE
	SIGNAGE



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FINISH SCHEDULE &
FLOOR FINISH PLANS

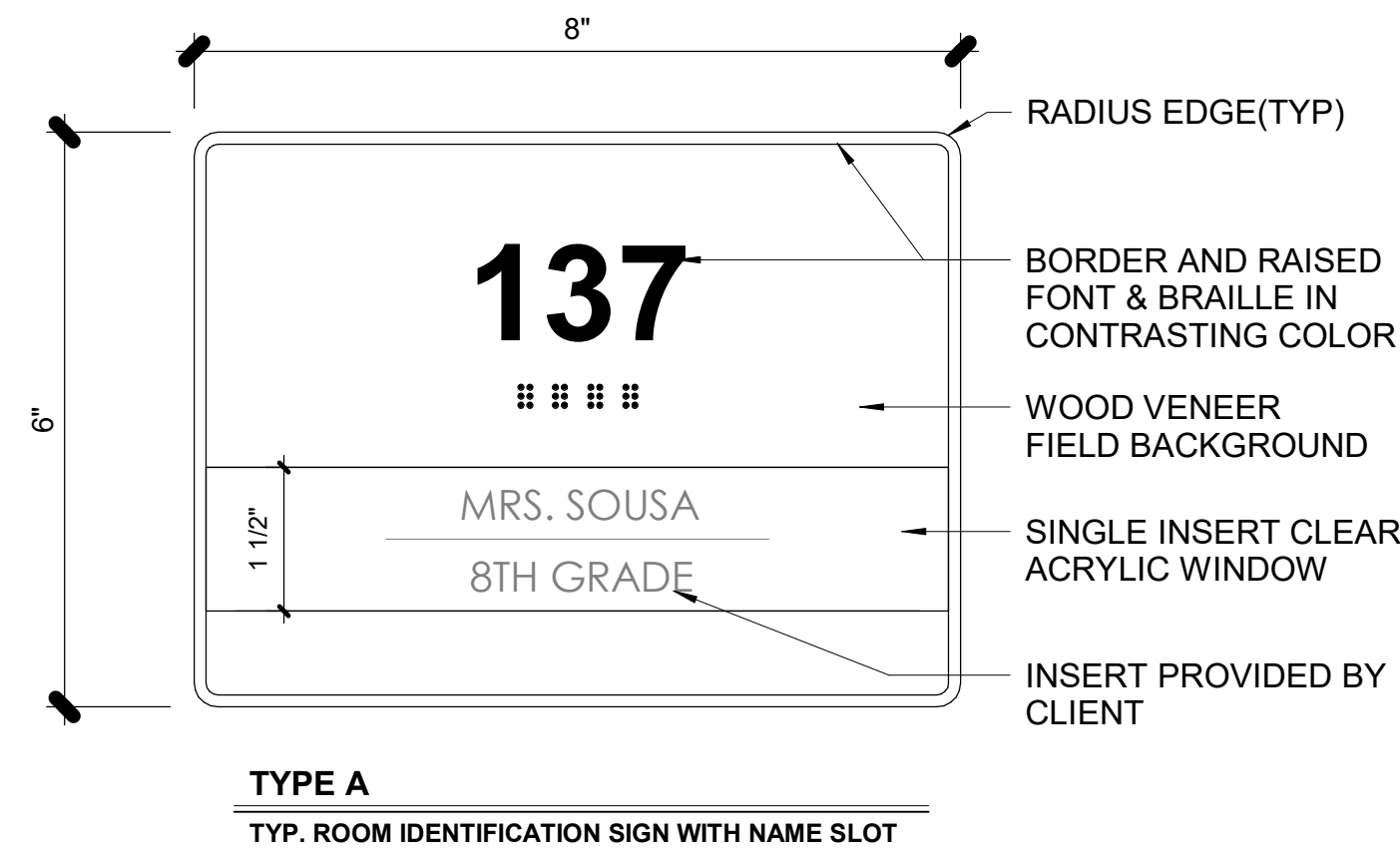
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Scale Drawn / Checked
Author Checker

Sheet Number

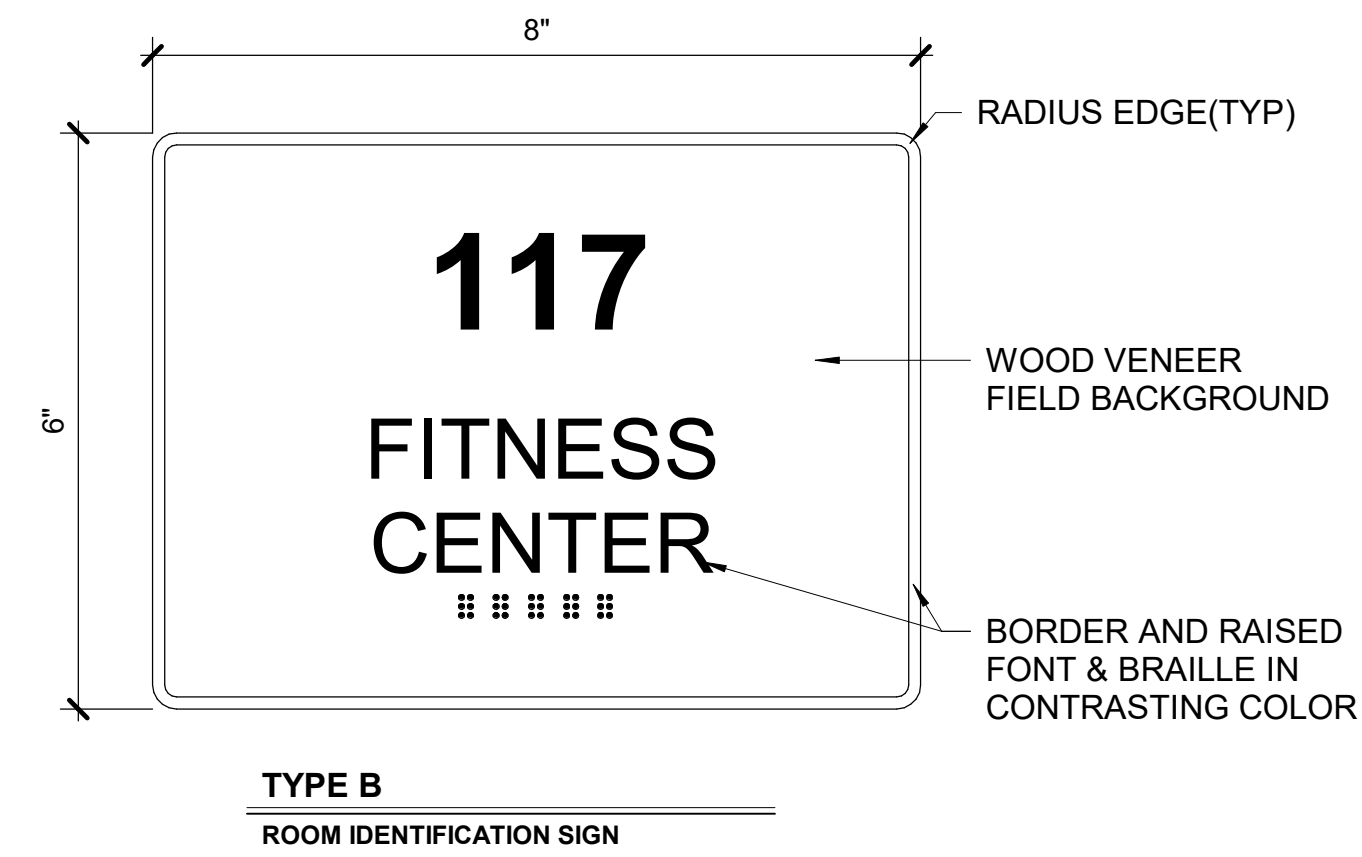
A501



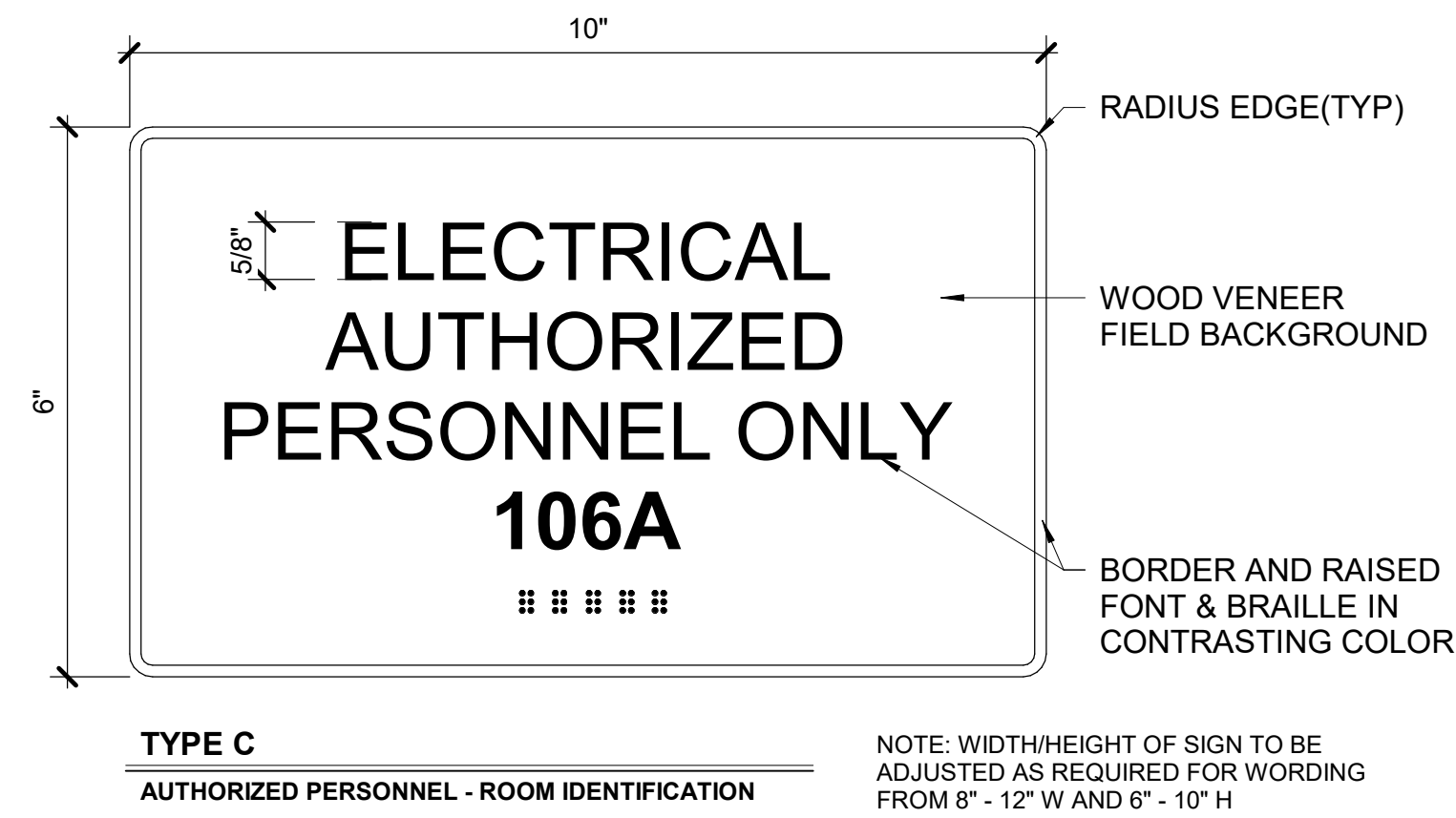
TYPE L
ROOM IDENTIFICATION SIGN



TYPE A
TYP. ROOM IDENTIFICATION SIGN WITH NAME SLOT

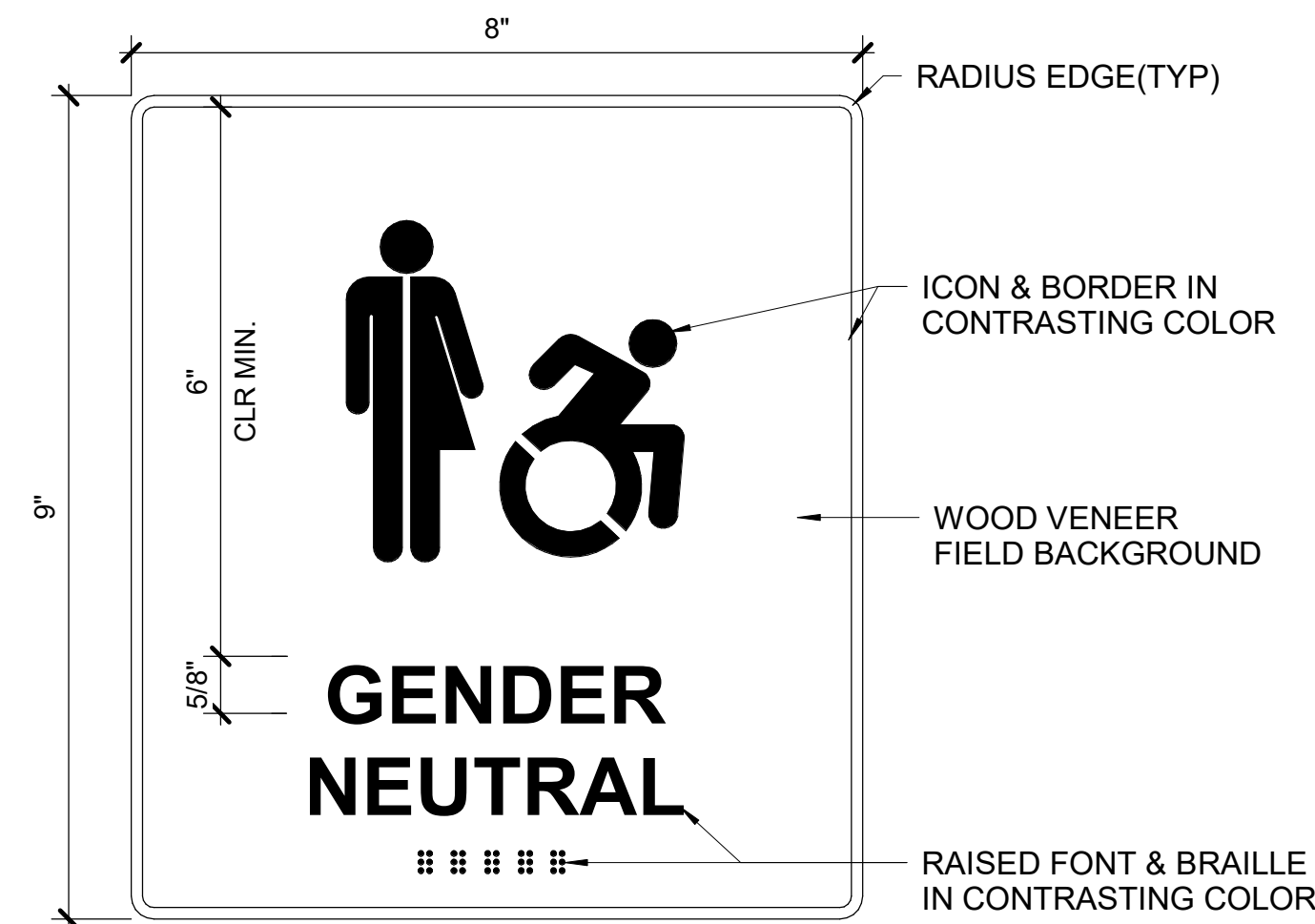


TYPE B
ROOM IDENTIFICATION SIGN

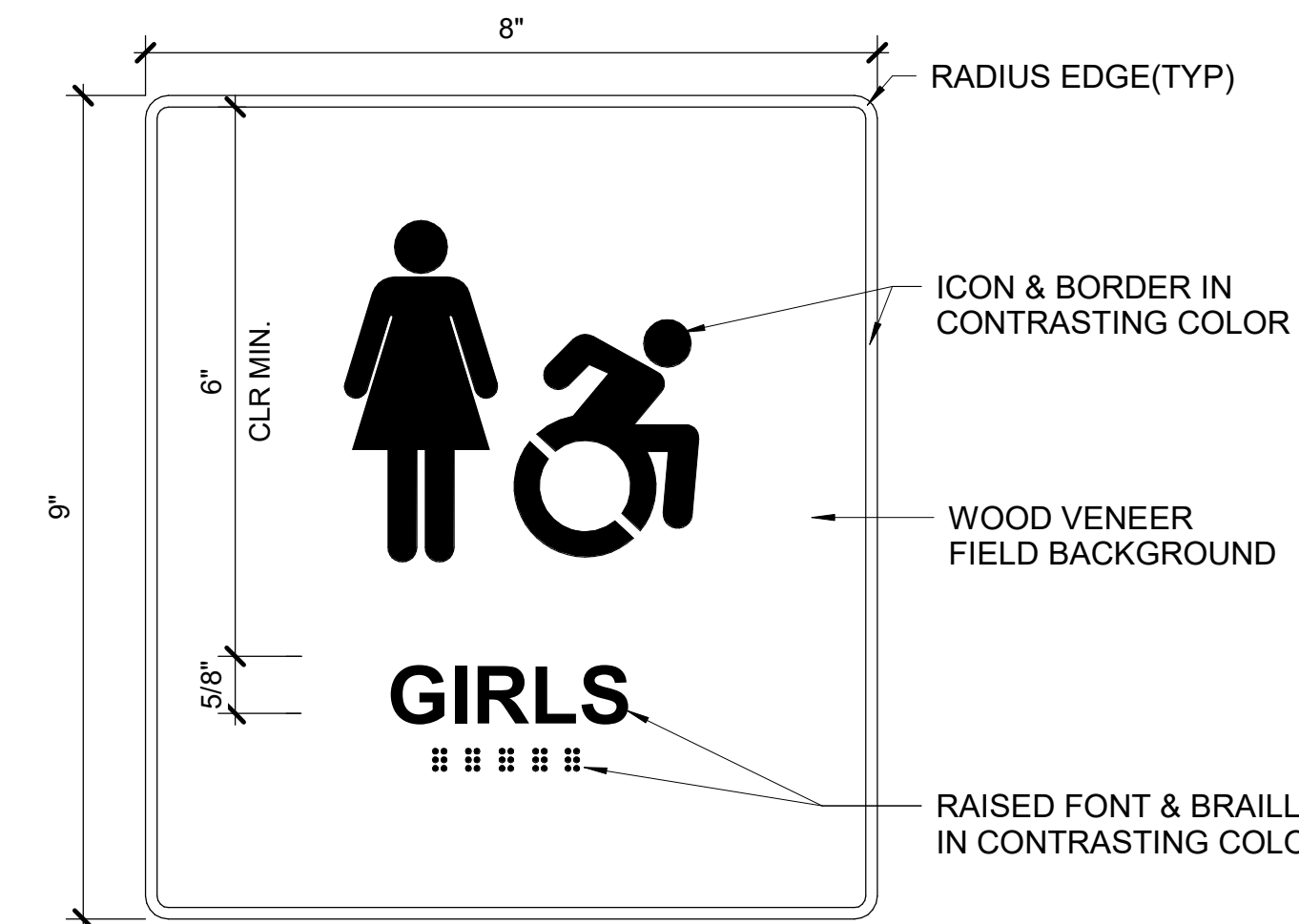


TYPE C
AUTHORIZED PERSONNEL - ROOM IDENTIFICATION

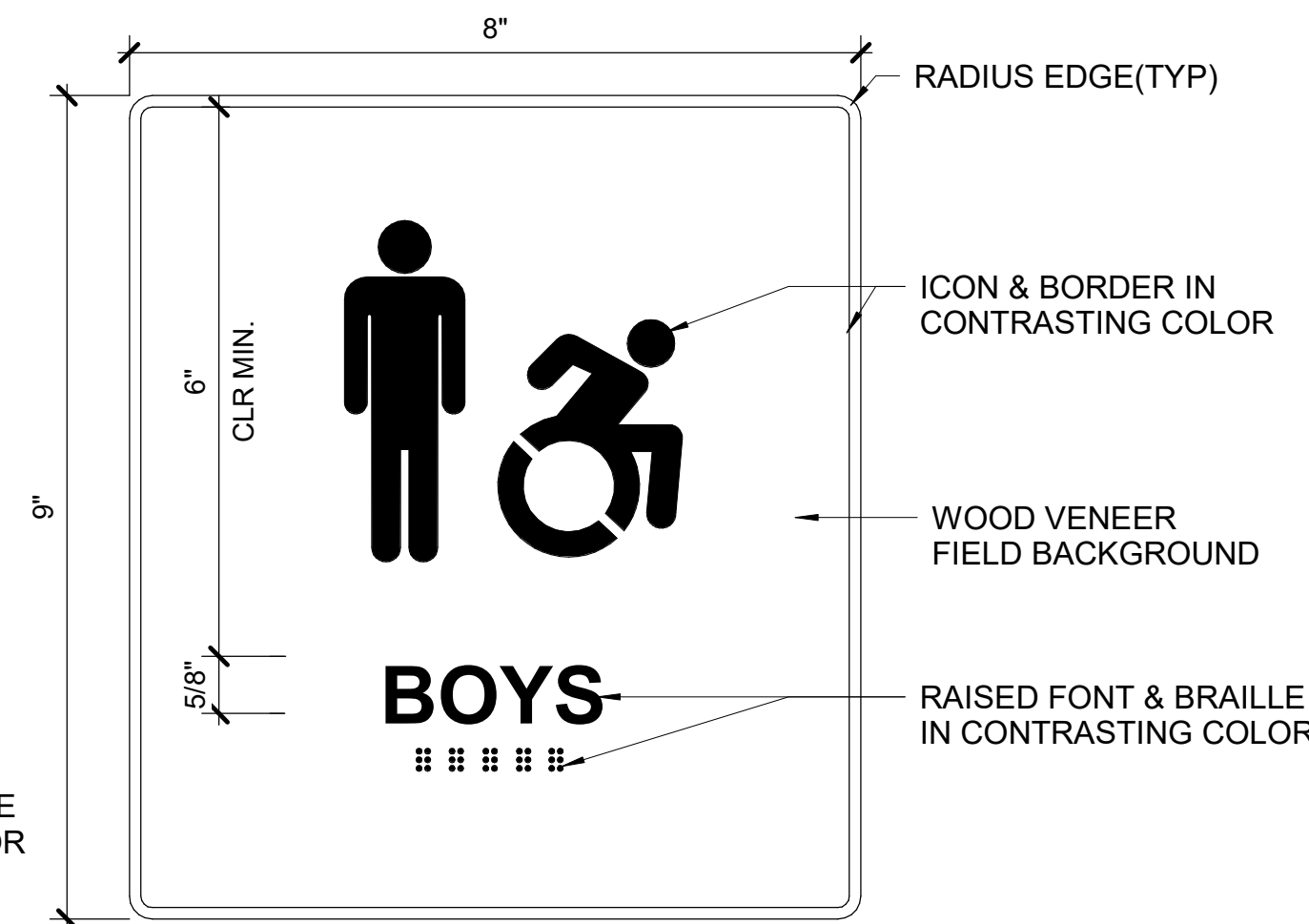
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TYPE D
SINGLE USER TOILET IDENTIFICATION SIGN



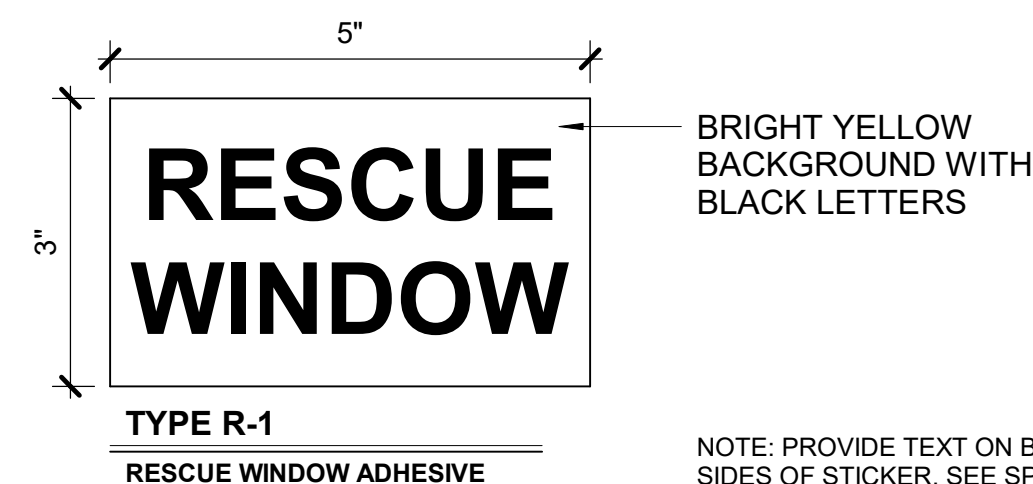
TYPE E
TOILET IDENTIFICATION SIGN



TYPE F
TOILET IDENTIFICATION SIGN

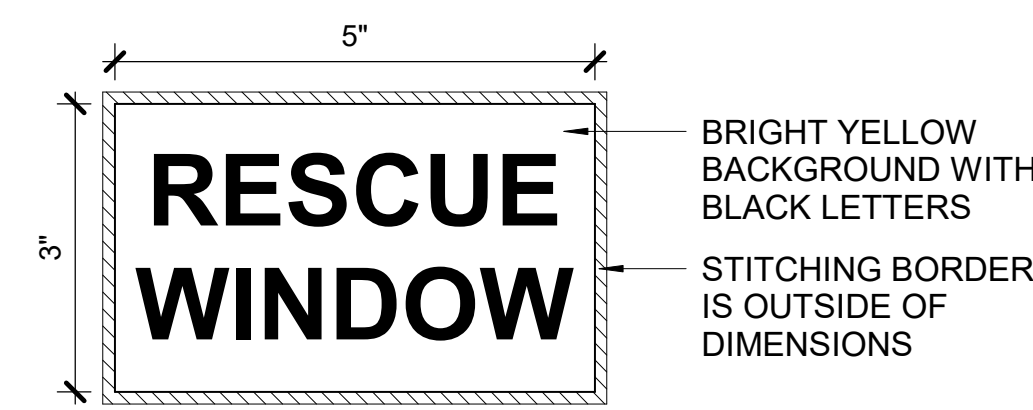


TYPE M, OCCUPANCY SIGN
N.T.S. SEE SPECIFICATIONS FOR DETAILS



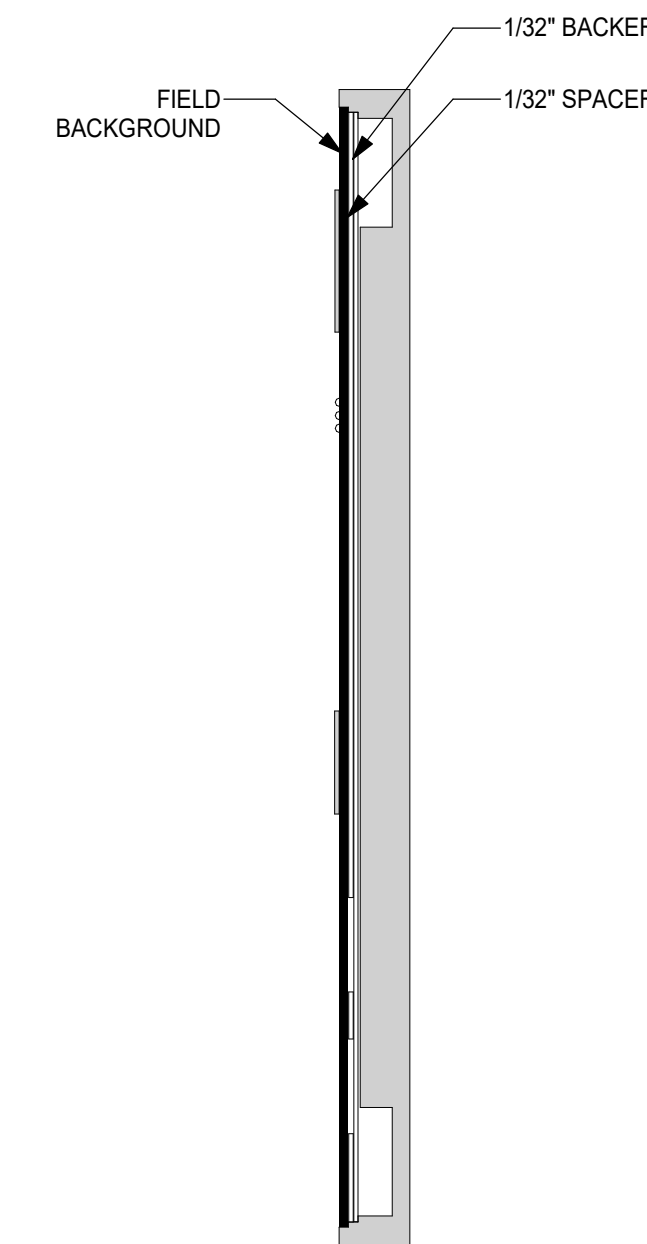
TYPE R-1
RESCUE WINDOW ADHESIVE

NOTE: PROVIDE TEXT ON BOTH SIDES OF STICKER. SEE SPEC



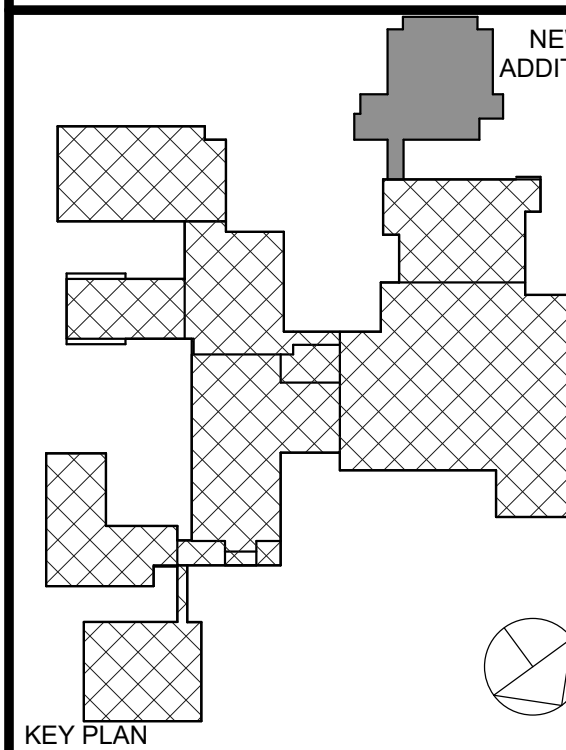
TYPE R-2
RESCUE WINDOW FABRIC ATTACHMENT

NOTE: PROVIDE RESCUE WINDOW STICKERS R-1 & R-2 AT ALL RESCUE WINDOWS. SEE WINDOW & EXTERIOR ELEVATIONS FOR RESCUE WINDOWS LOCATIONS



SNAPLOCK SYSTEM INSERT SECTION

SIGNAGE SCHEDULE				
#	LOCATION	SIGN TYPE	SIGN TEXT	QTY
G101	SEC	B	SECURITY	1
G103	MEN'S TOILET RM	F	MEN'S TOILET ROOM	1
G104	FAM. TOILET	D	FAMILY TOILET ROOM	1
G105	GYMNASIUM	B	GYMNASIUM	2
G105	GYMNASIUM	L	ASSISTIVE LISTENING SYSTEM AVAILABLE	2
G105	GYMNASIUM	M	MAX OCCUPANCY NOT TO EXCEED 1466	2
G106	TOILET	D	TOILET ROOM	1
G108	ELEC/DATA	C	ELECTRIC / DATA ROOM	1
G109	WOMEN'S TOILET RM	E	WOMEN'S TOILET ROOM	1
G110	JAN	B	JANITOR	1
G112	STORAGE RM	B	STORAGE ROOM	1
G113	STOR	B	STORAGE ROOM	1
G114	STOR	B	STORAGE ROOM	1
G115	ELEC	C	ELECTRICAL ROOM	2
G116	FIRE PUMP	C	FIRE PUMP	1
G120	FITNESS CENTER	B	FITNESS CENTER	1
G127	OFFICE SUITE	B	ATHLETIC DEPARTMENT OFFICE	1
G128	OFFICE	A	ATHLETIC DIRECTOR	1



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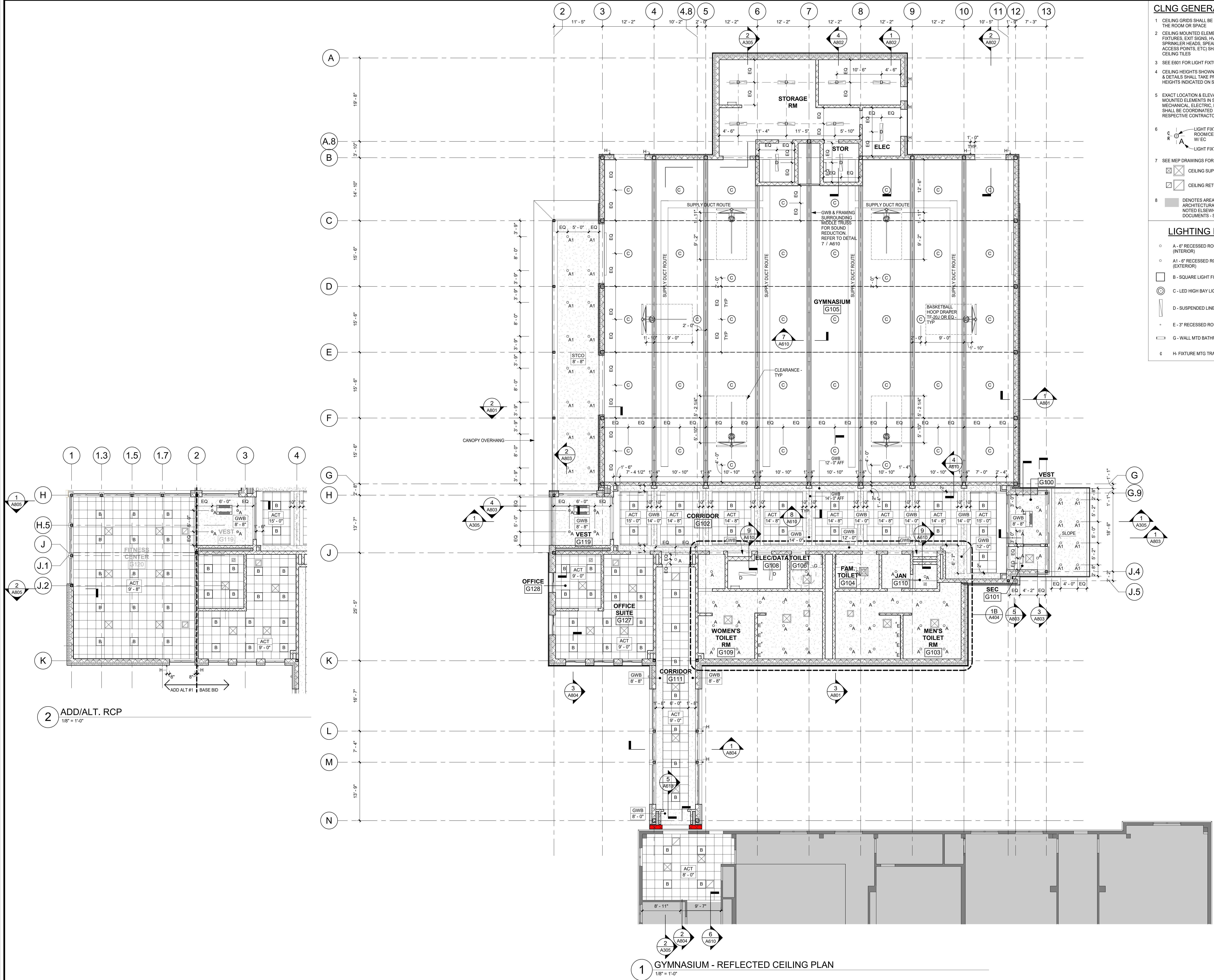
SIGNAGE TYPES & SCHEDULE

Job No. 2023-1012 Date 01/26/2024

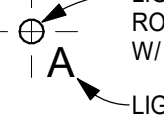



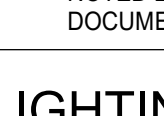
Scale Drawn / Checked Author Checker

Sheet Number

A530



CLNG GENERAL NOTES

- 1 CEILING GRIDS SHALL BE CENTERED WITHIN THE ROOM OR SPACE
- 2 CEILING MOUNTED ELEMENTS (I.E. LIGHT FIXTURES, EXIT SIGNS, HVAC REGISTERS, SPRINKLER HEADS, SPEAKERS, WIRELESS ACCESS POINTS, ETC) SHALL BE CENTERED IN CEILING TILES
- 3 SEE E601 FOR LIGHT FIXTURE SCHEDULE
- 4 CEILING HEIGHTS SHOWN IN PLANS, SECTIONS, & DETAILS SHALL TAKE PRECEDENCE OVER HEIGHTS INDICATED ON SCHEDULES
- 5 EXACT LOCATION & ELEVATION OF CEILING MOUNTED ELEMENTS IN SUPPORT SPACES (I.E. MECHANICAL, ELECTRIC DATA ROOMS, ETC) SHALL BE COORDINATED WITH ARCHITECT & RESPECTIVE CONTRACTORS/OWNER
- 6  LIGHT FIXTURE CENTERED IN ROOM/CEILING COORDINATE W/ EC
 LIGHT FIXTURE TAG
- 7 SEE MEP DRAWINGS FOR:
 CEILING SUPPLY REGISTER
 CEILING RETURN REGISTER
- 8  DENOTES AREA OF NO ARCHITECTURAL WORK, UNLESS NOTED ELSEWHERE IN THE DOCUMENTS - SEE M.E.P. DWGS.

LIGHTING LEGEND

- A - 6" RECESSED ROUND LIGHT FIXTURE (INTERIOR)
- A1 - 6" RECESSED ROUND LIGHT FIXTURE (EXTERIOR)
- B - SQUARE LIGHT FIXTURE
- ⊙ C - LED HIGH BAY LIGHT FIXTURE
- ▮ D - SUSPENDED LINEAR FIXTURE
- E - 3" RECESSED ROUND LIGHT FIXTURE
- ▮ G - WALL MTD BATHROOM FIXTURE
- ▮ H - FIXTURE MTG TRACK

ORANGE-ULSTER BOCES

ARDEN HILL -
MAIN BUILDING
ADDITIONS AND
ALTERATIONS
4 HARRIMAN DRIVE
GOSHEN, NY 10924

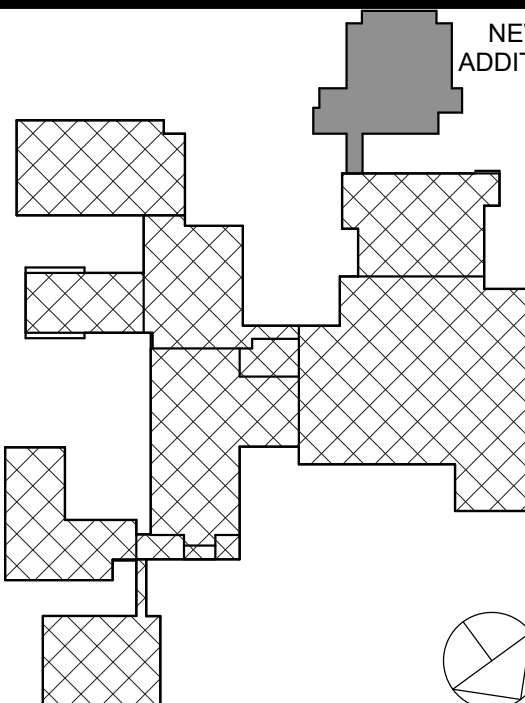
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build

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385 MAIN STREET MOUNT KISCO, NEW YORK, 10549
P:914.666.5900 KGDARCHITECTS.COM

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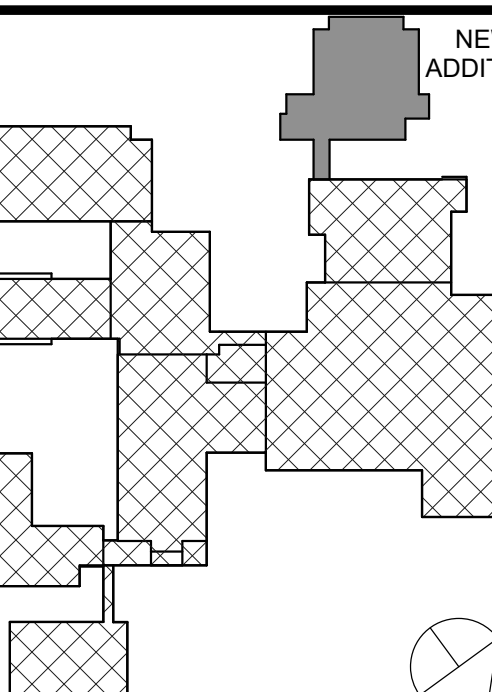
REFLECTED CEILING
PLAN

Job No. 2023-1012 Date 01/26/2024

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Sheet Number

A601



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No.	Date	Issue

Sheet Title

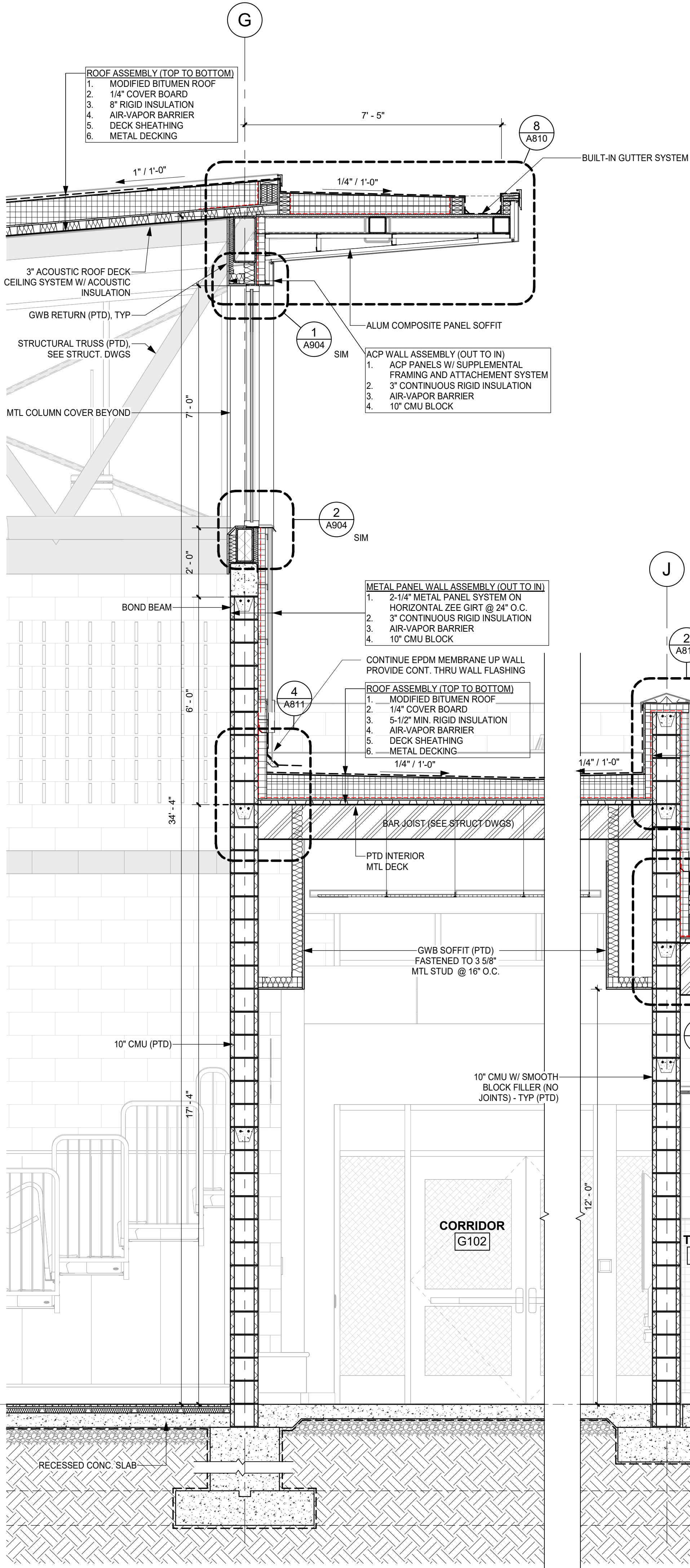
WALL SECTIONS

Job No. 2023-1012 Date 01/26/2024

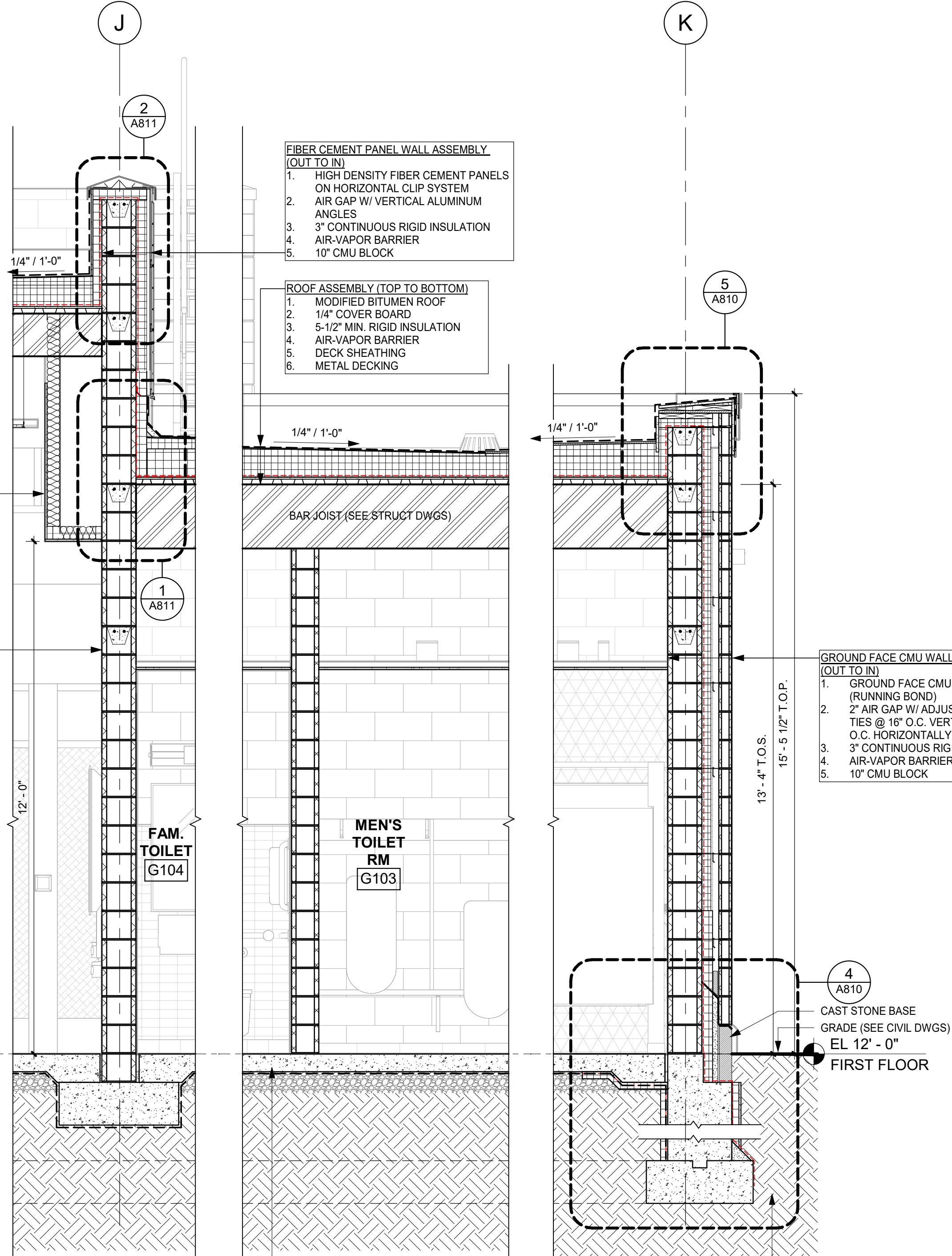
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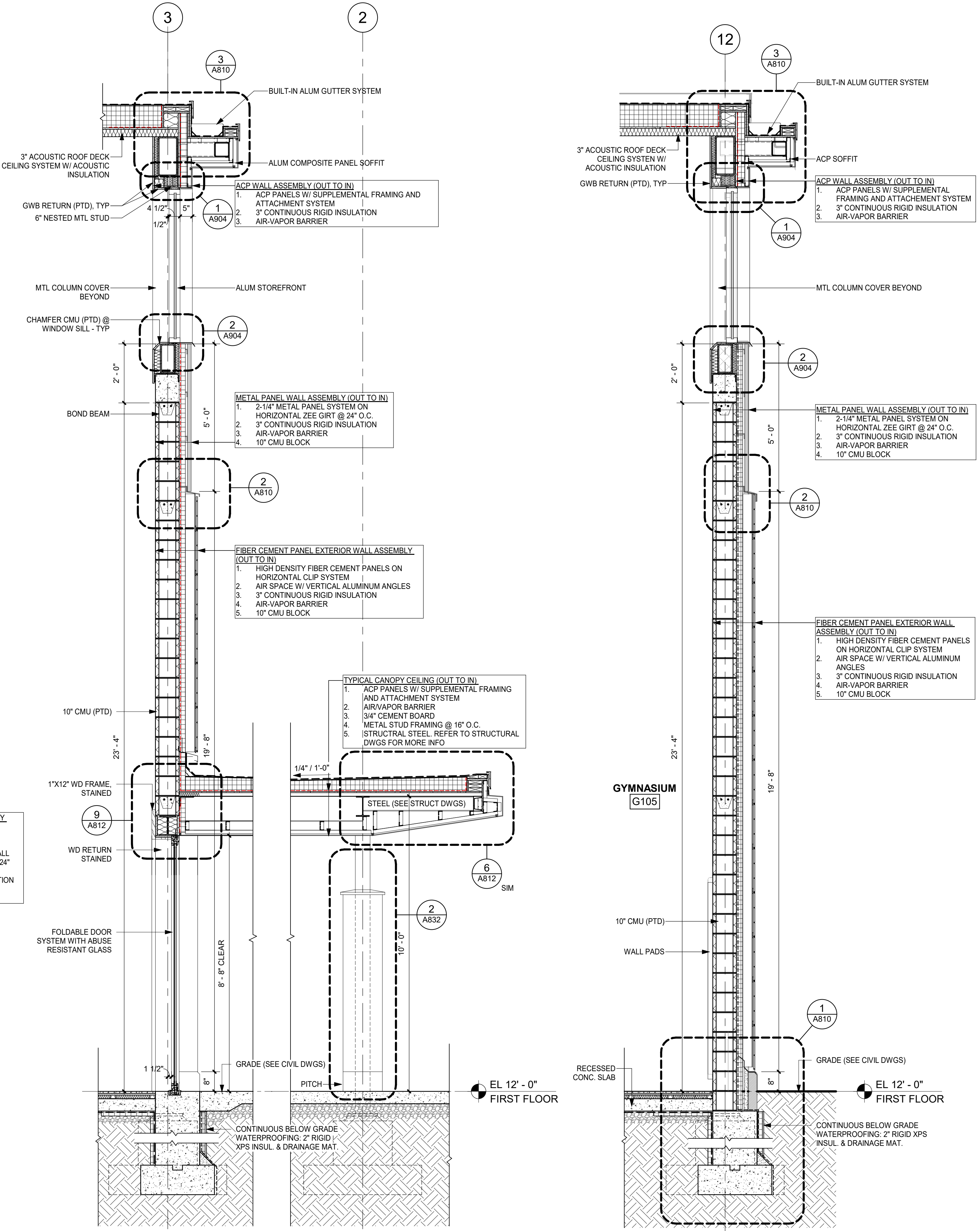
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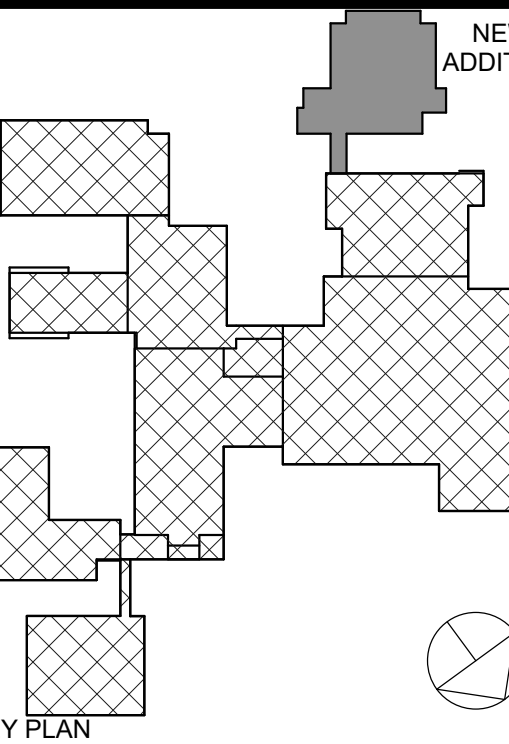
3 WALL SECTION @ MAIN CORRIDOR
1/2" = 1'-0"



2 WALL SECTION @ GYM & FOLDABLE DOORS
1/2" = 1'-0"



1 WALL SECTION @ GYMNASIUM
1/2" = 1'-0"



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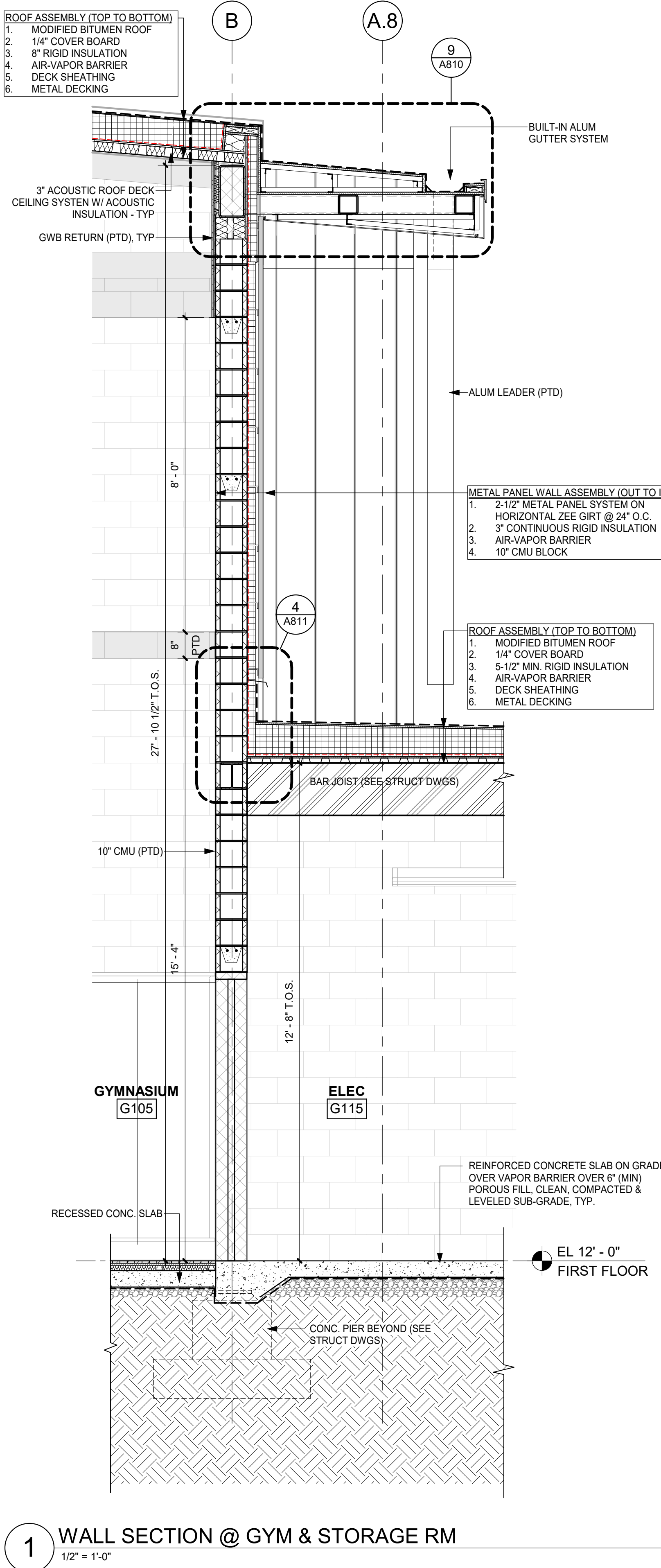
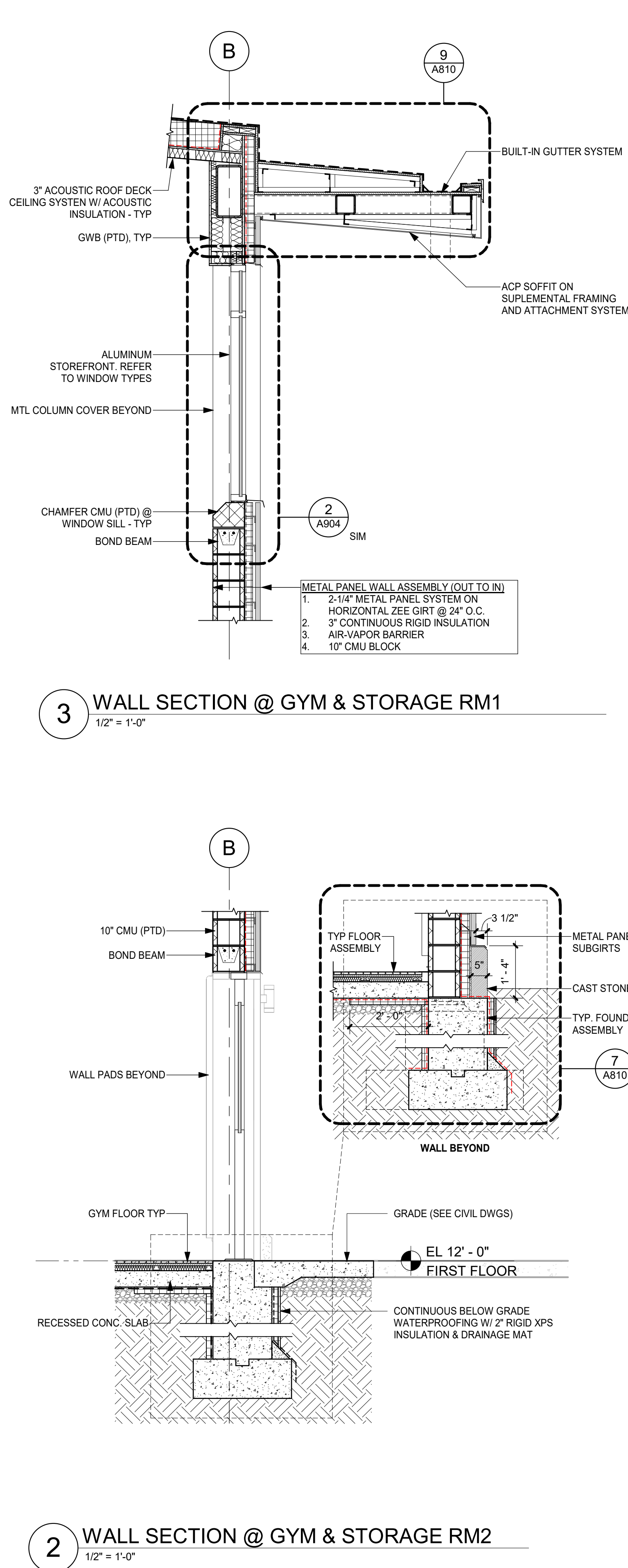
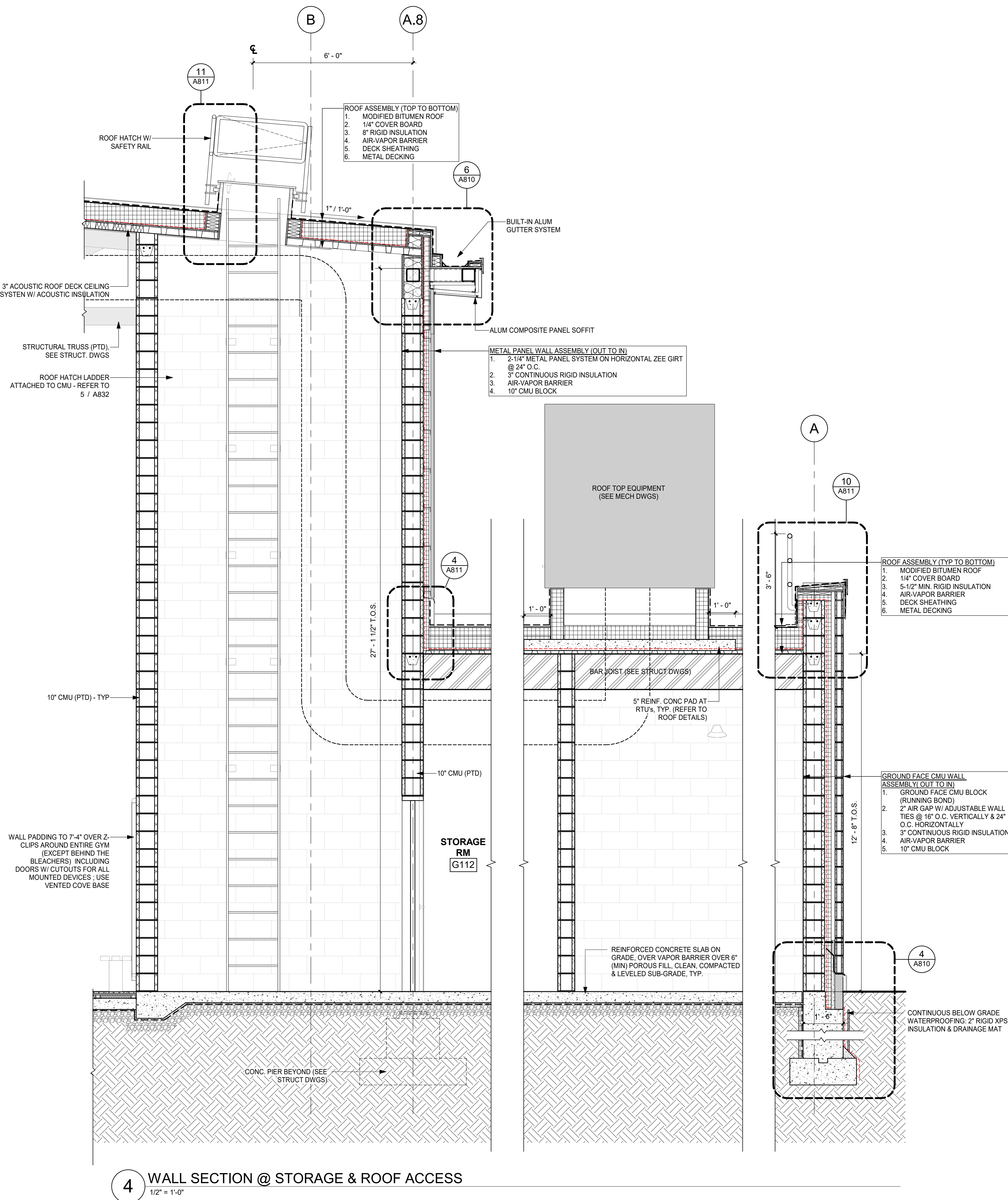
WALL SECTIONS

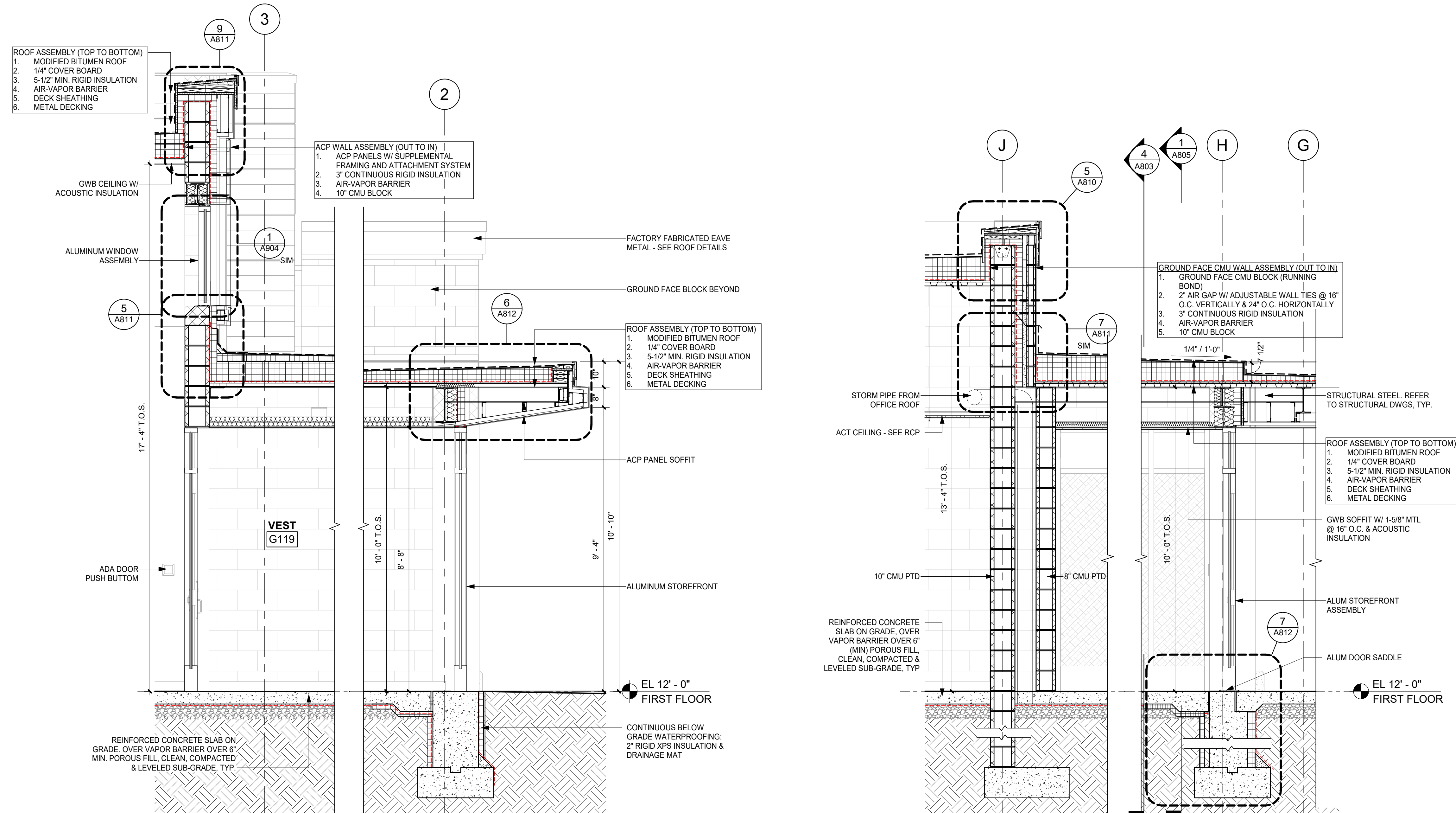
Job No. 2023-1012 Date 01/26/2024

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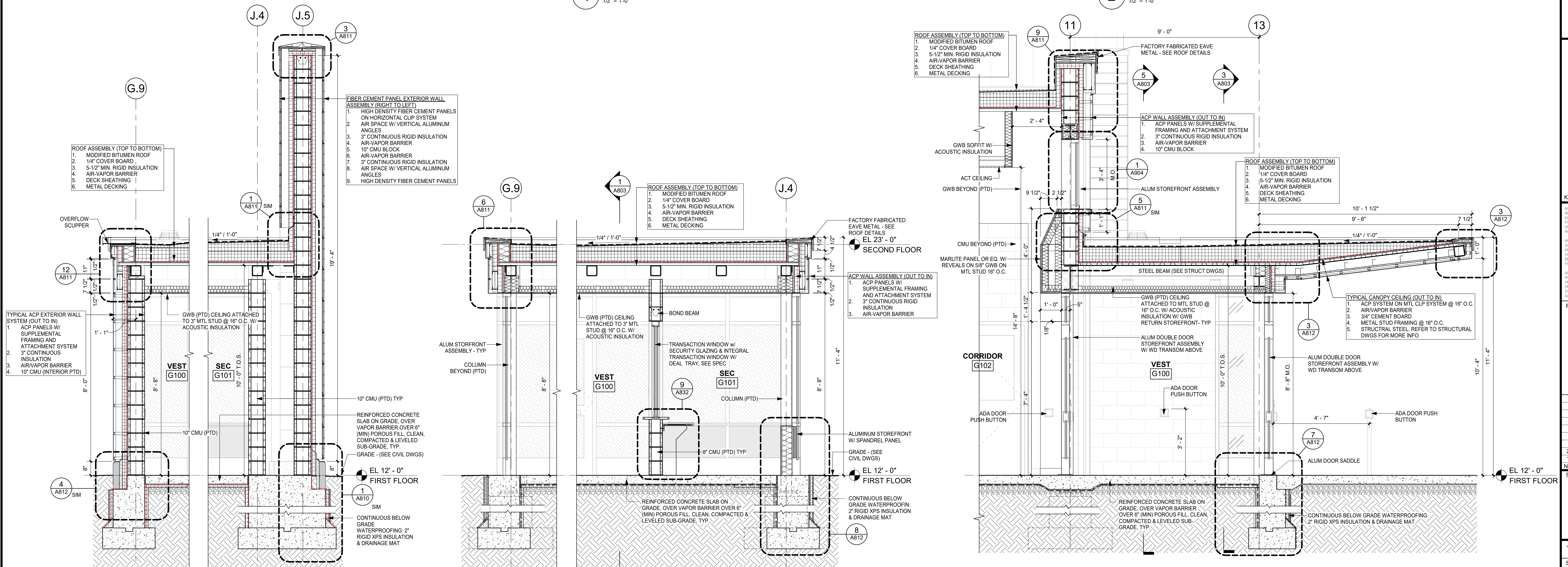
A802





4 WALL SECTION @ SECONDARY VESTIBULE
1/2" = 1'-0"

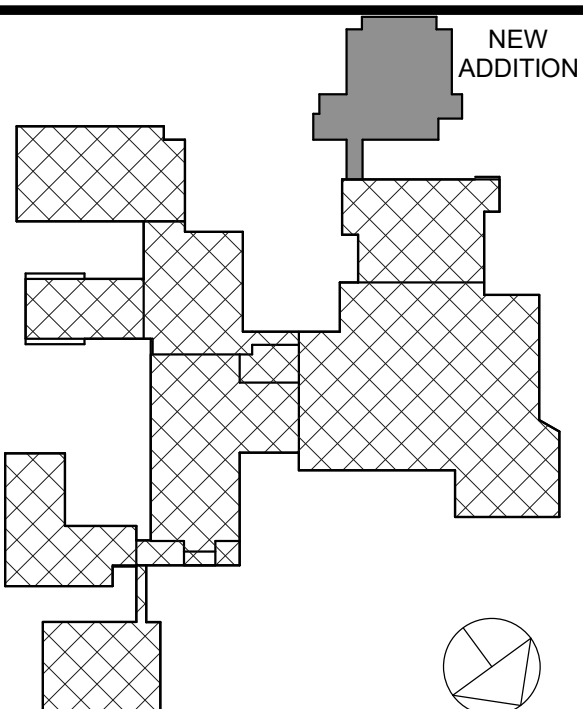
2 WALL SECTION @ VEST 119 & OFFICE SUITE
1/2" = 1'-0"



5 WALL SECTION @ VESTIBULE / SECURITY RM
1/2" = 1'-0"

3 WALL SECTION @ VESTIBULE / SECURITY RM1
1/2" = 1'-0"

1 WALL SECTION @ ENTRY VESTIBULE
1/2" = 1'-0"



KEY PLAN

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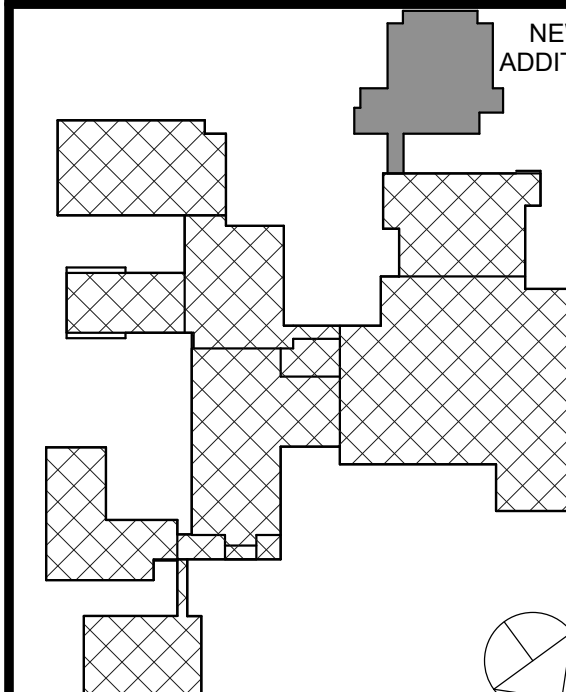
WALL SECTIONS

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A803



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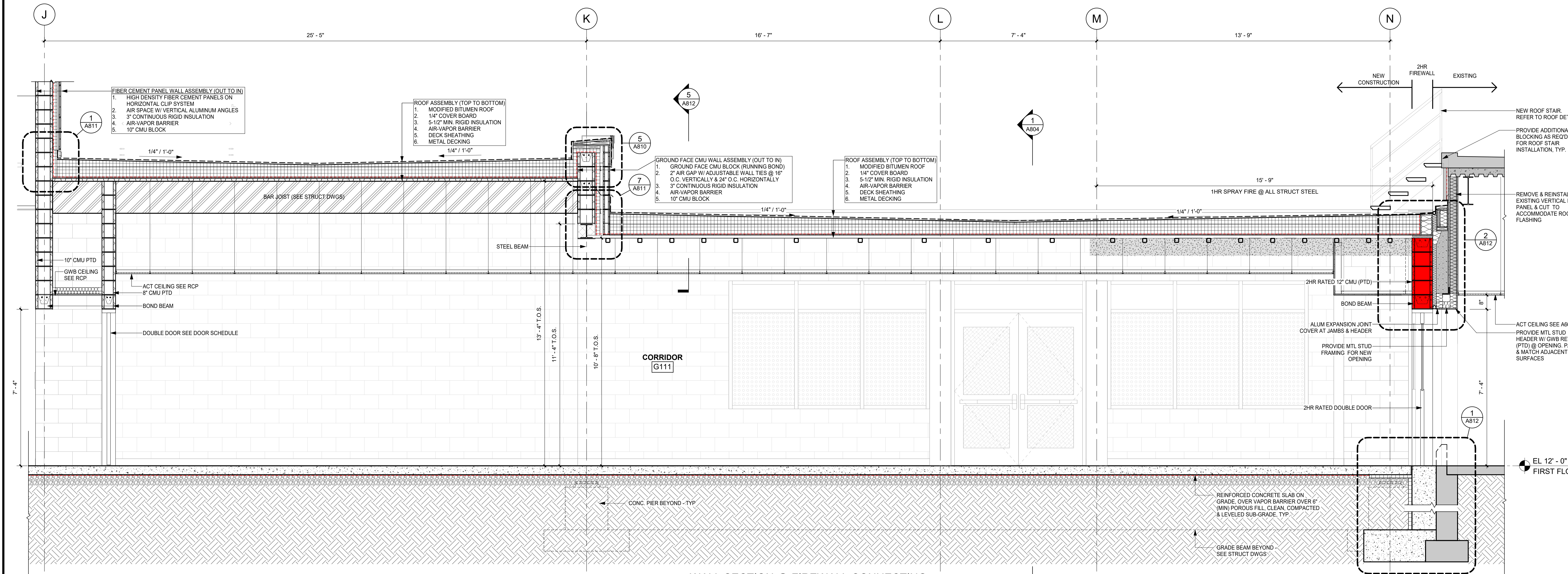
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No.	Date	Issue
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WALL SECTIONS

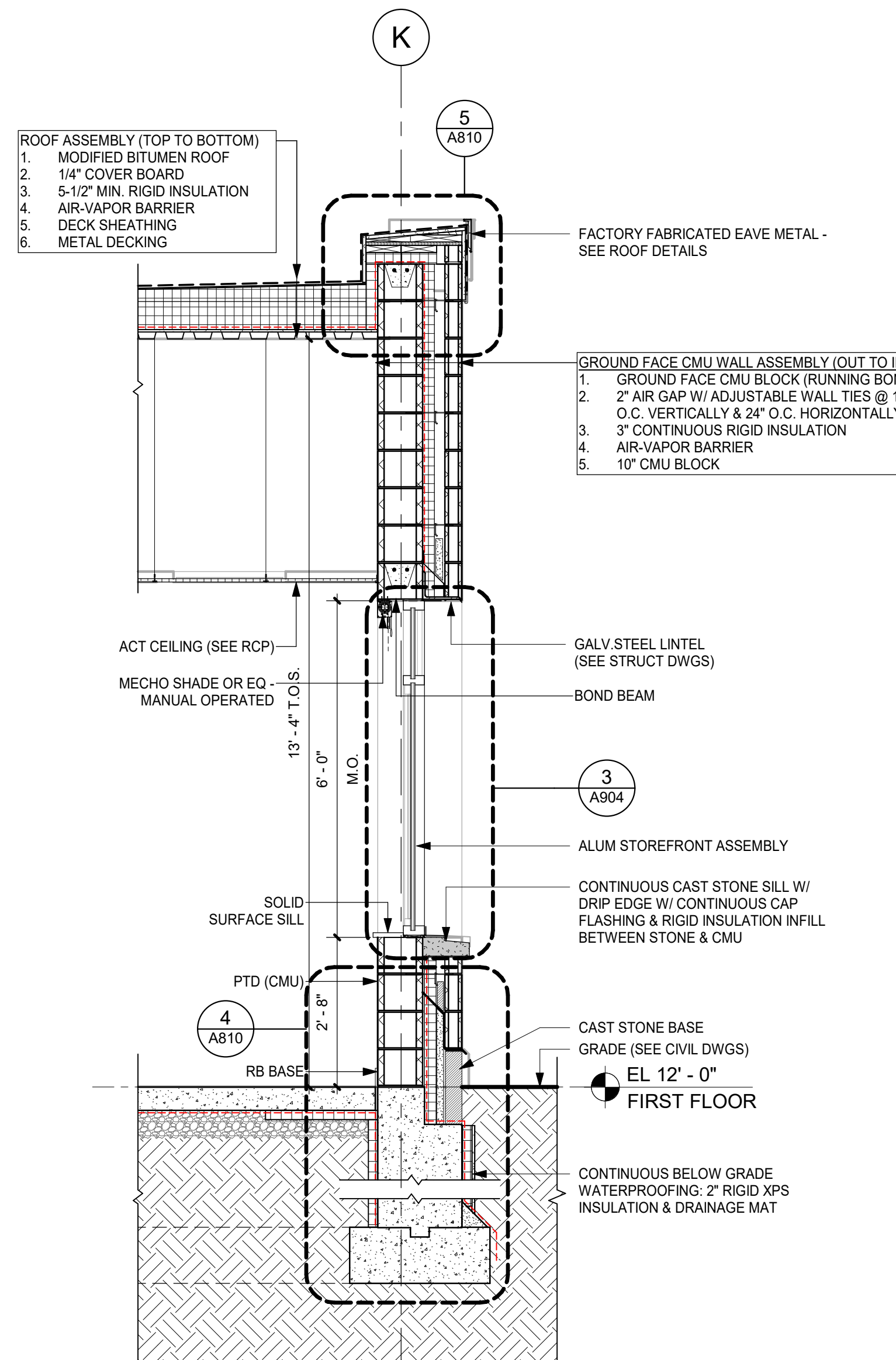
Job No.	2023-1012	Date	01/26/2024
Scale		Drawn / Checked	Author / Checker

Sheet Number

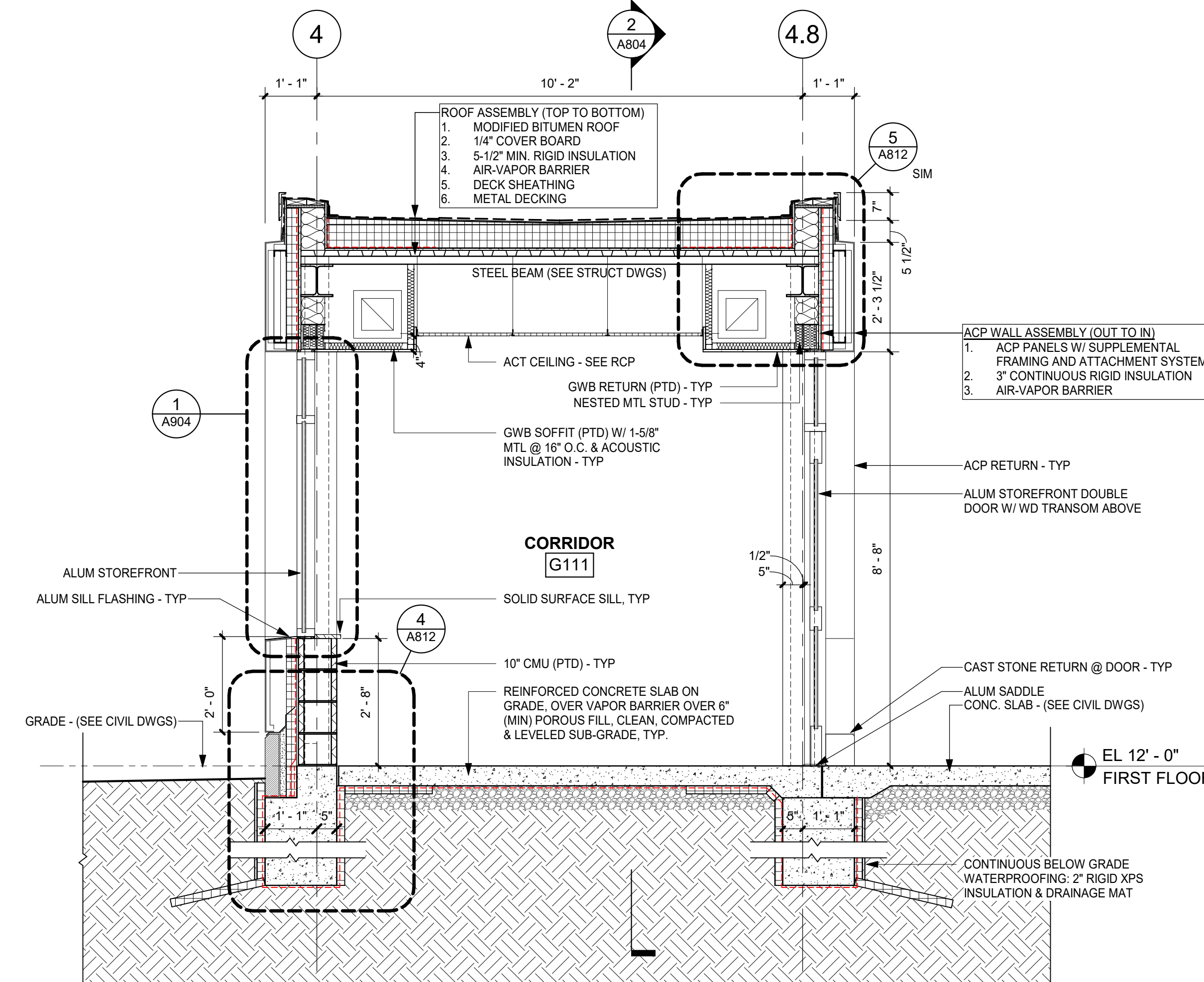
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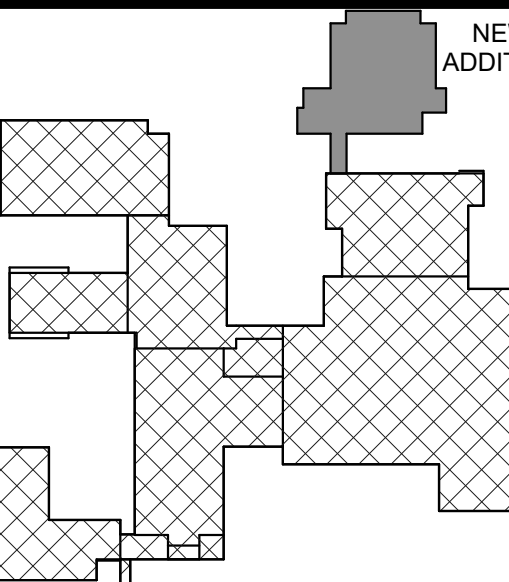
2 WALL SECTION @ FIREWALL CONNECTING
CORRIDOR
1/2" = 1'-0"



3 WALL SECTION @ OFFICE SUITE
1/2" = 1'-0"



1 WALL SECTION @ CONNECTING CORRIDOR
1/2" = 1'-0"



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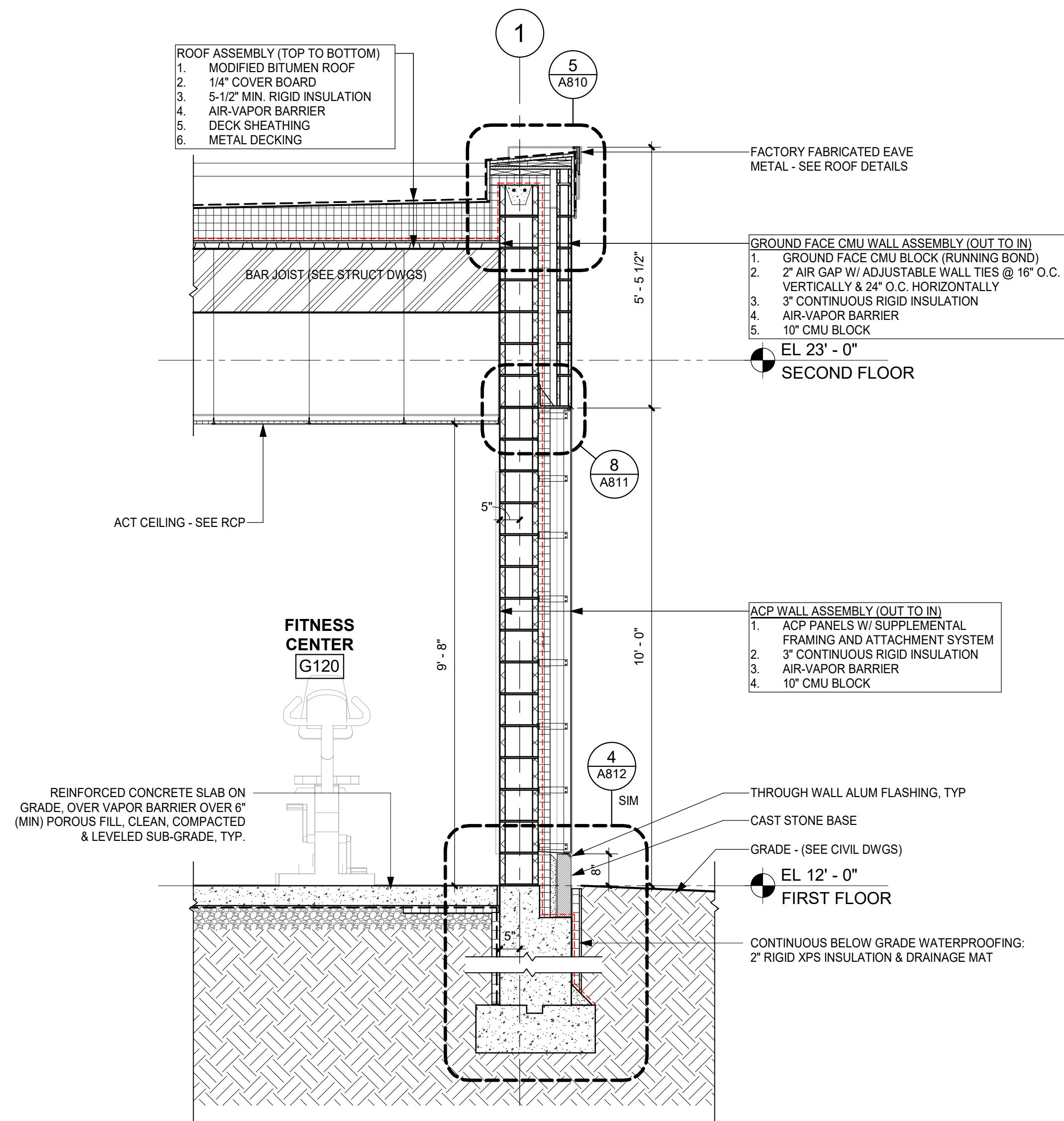
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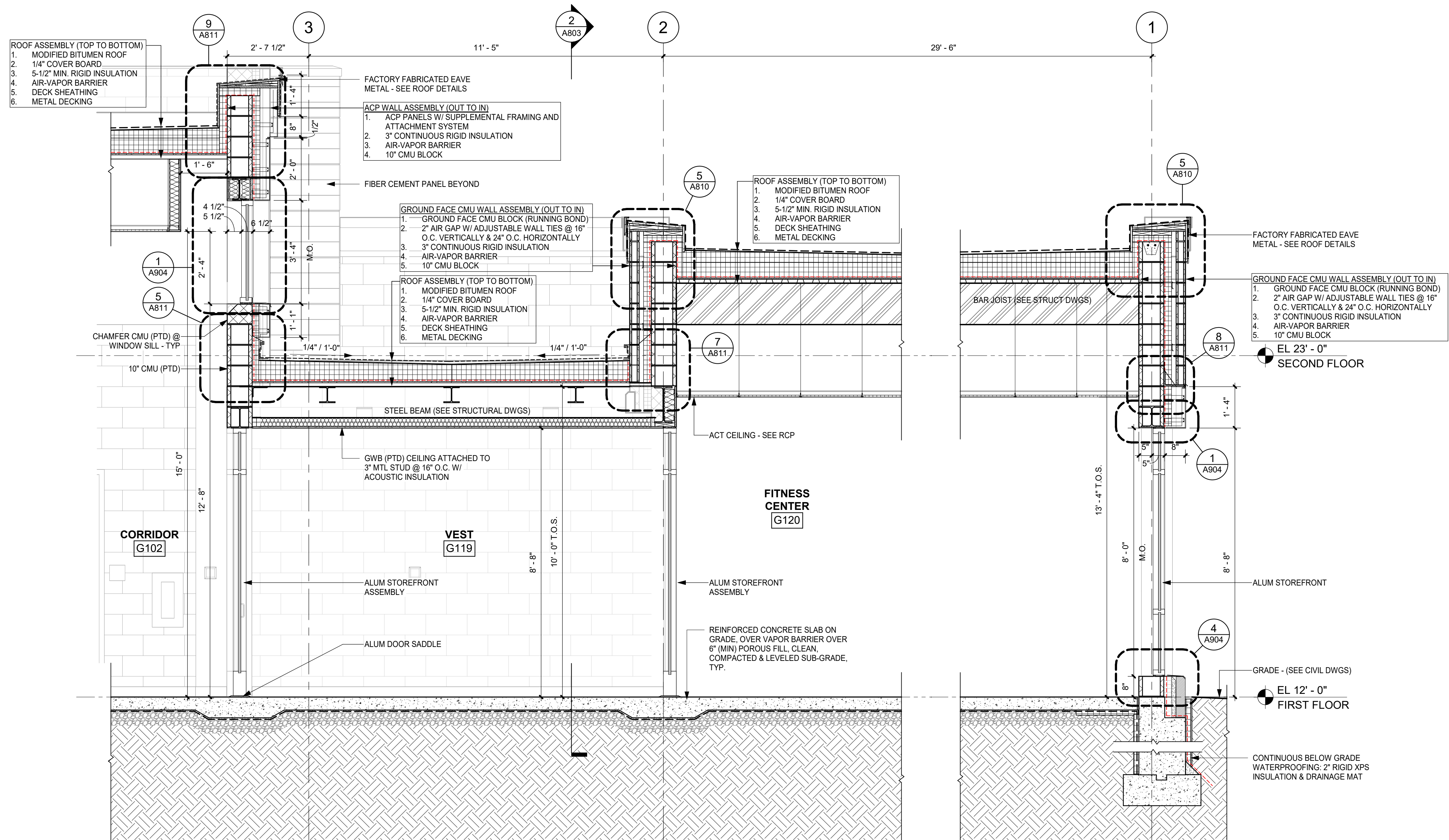
Job No.	2023-1012	Date	01/26/2024
Scale		Drawn / Checked	Author / Checker

Sheet Number

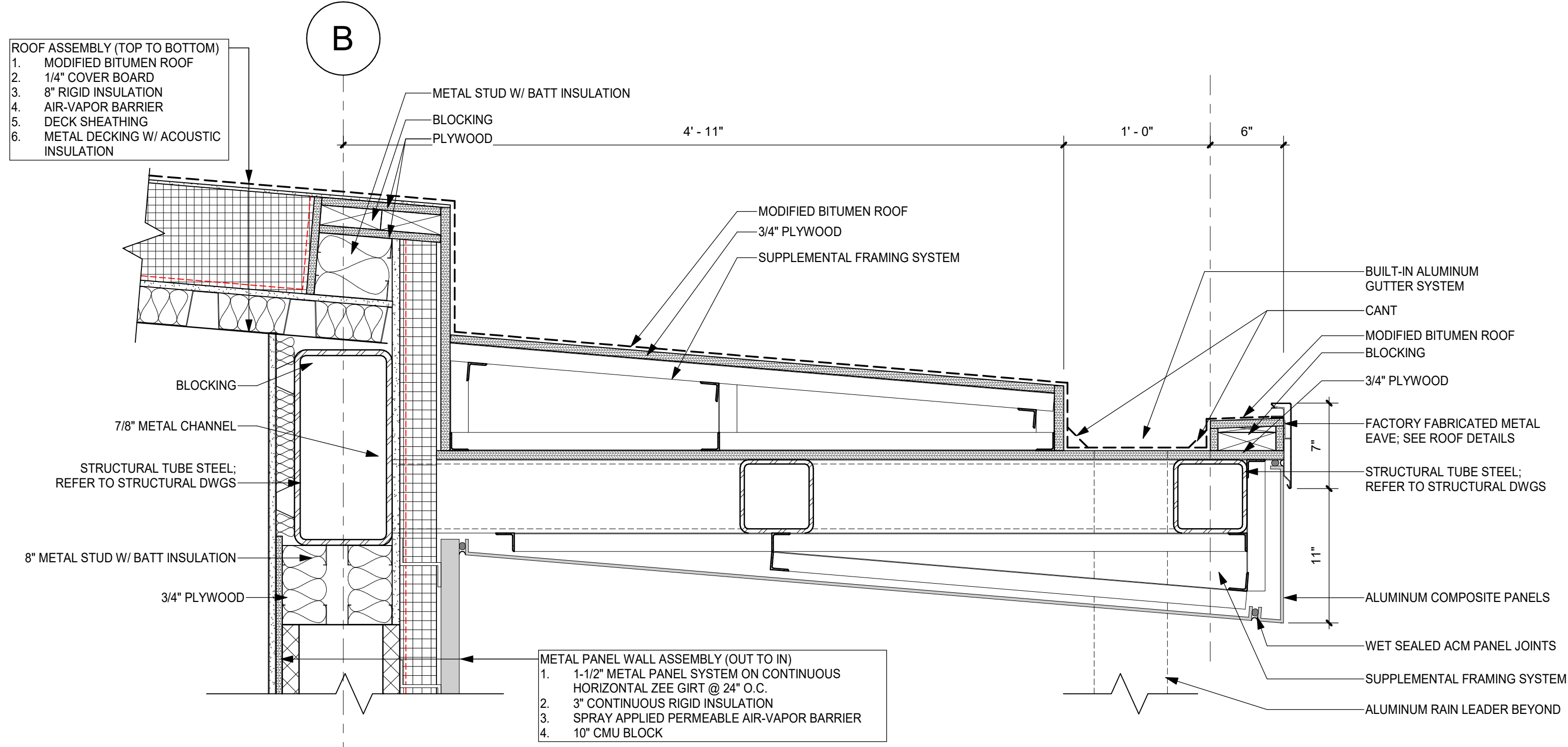
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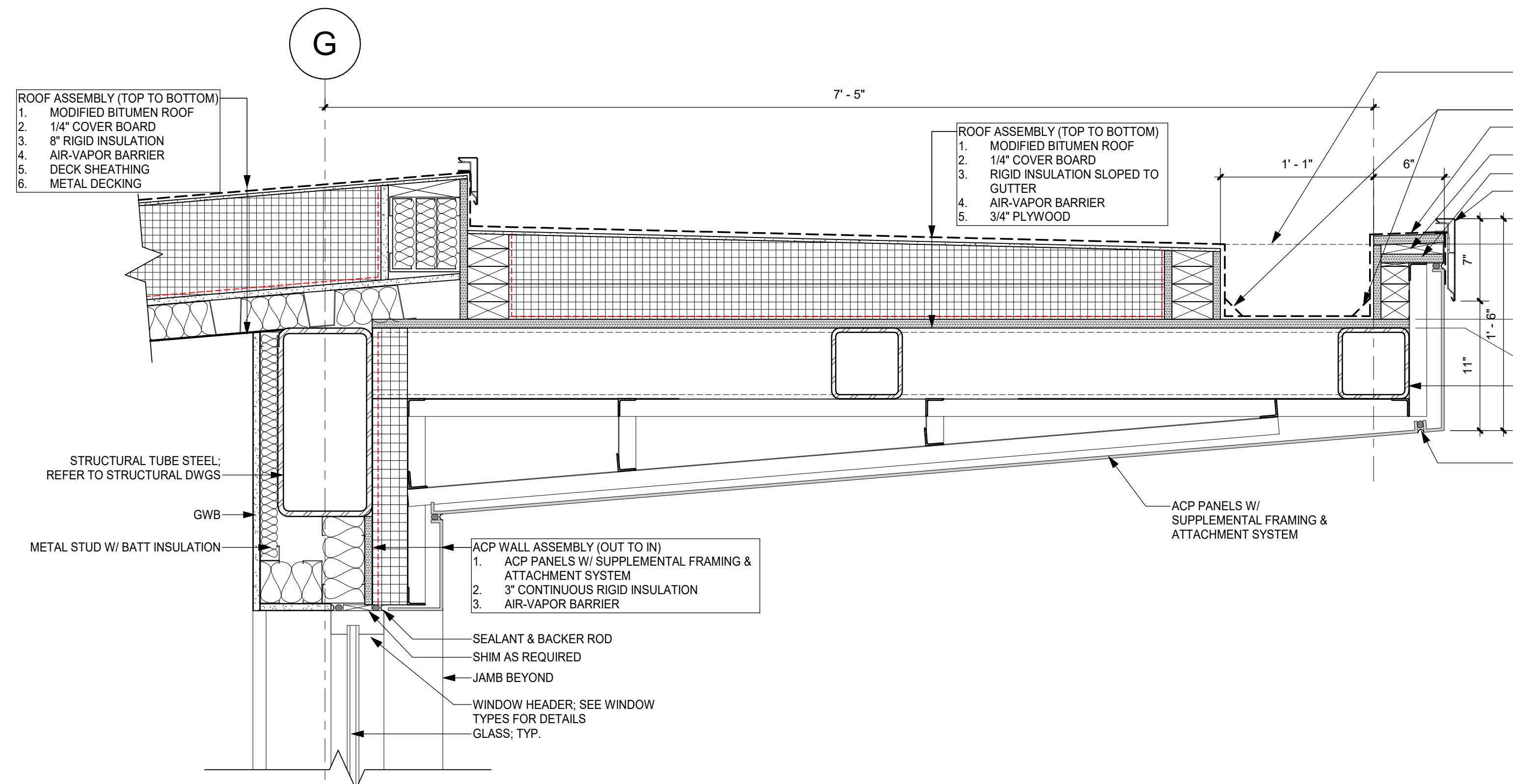
2 WALL SECTION @ FITNESS CENTER (ADD ALT)
1/2" = 1'-0"



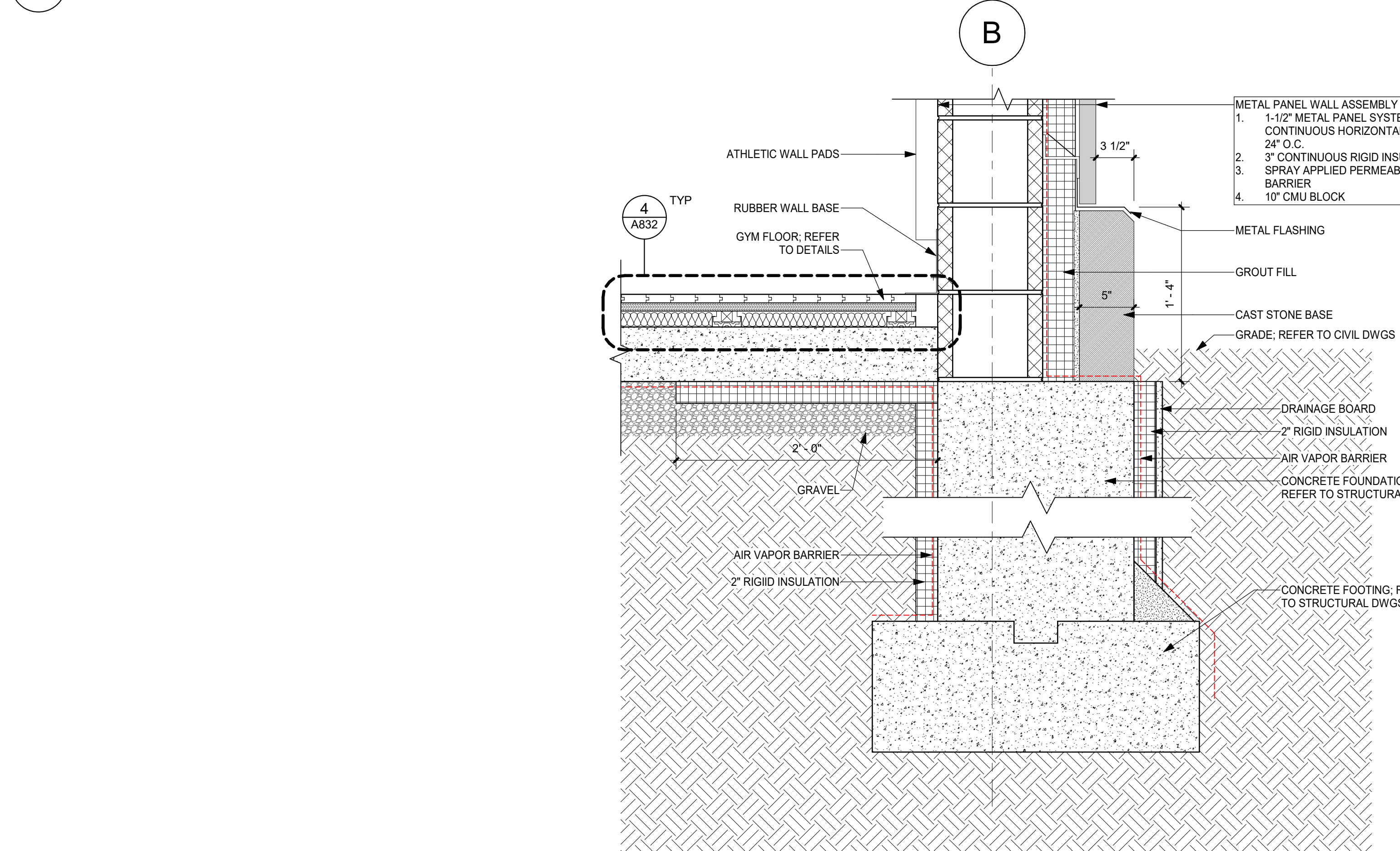
1 WALL SECTION @ SECONDARY VESTIBULE & FITNESS CENTER (ADD ALT)
1/2" = 1'-0"



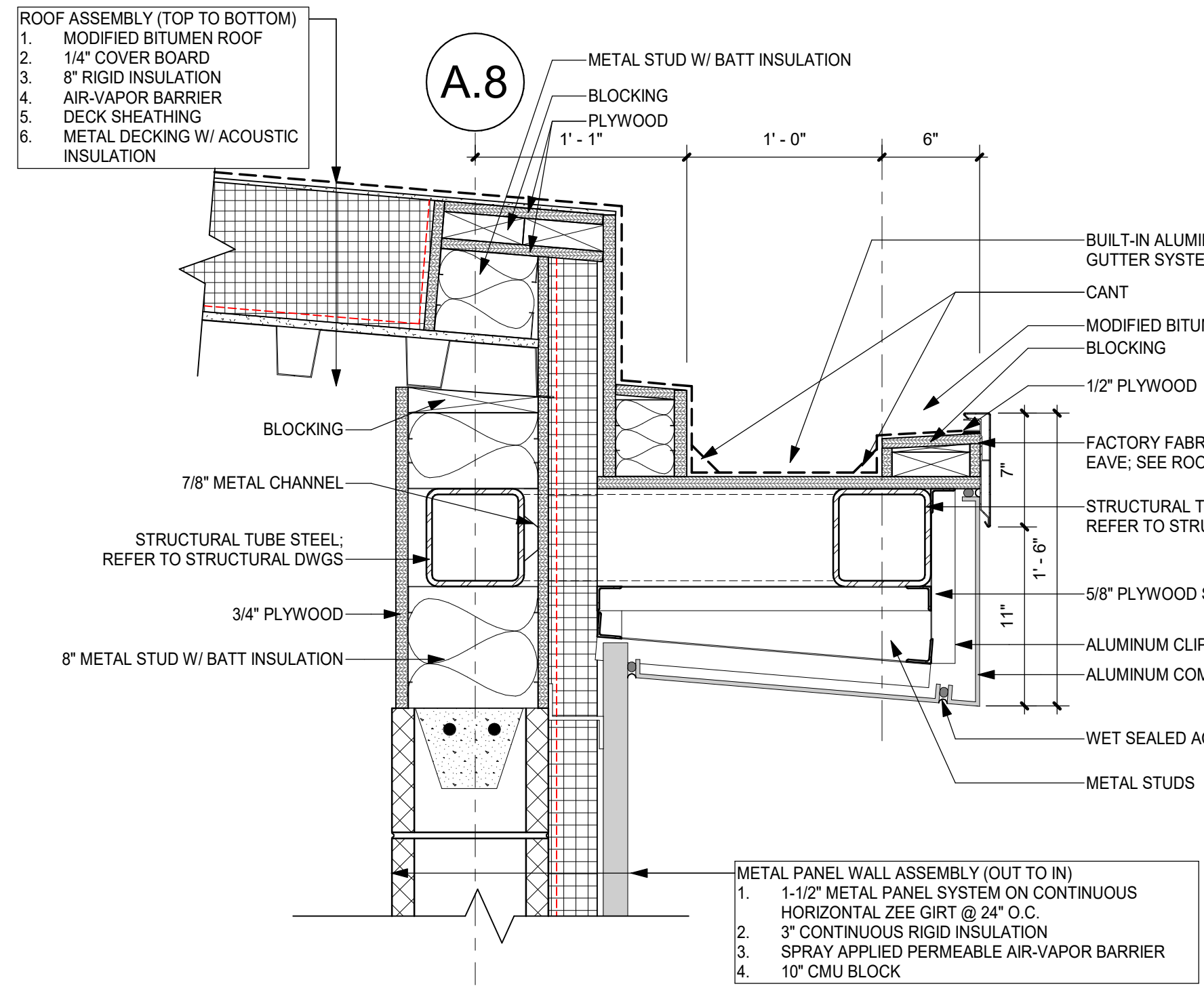
9 HIGH ROOF OVERHANG - BACK LONG
1 1/2" = 1'-0"



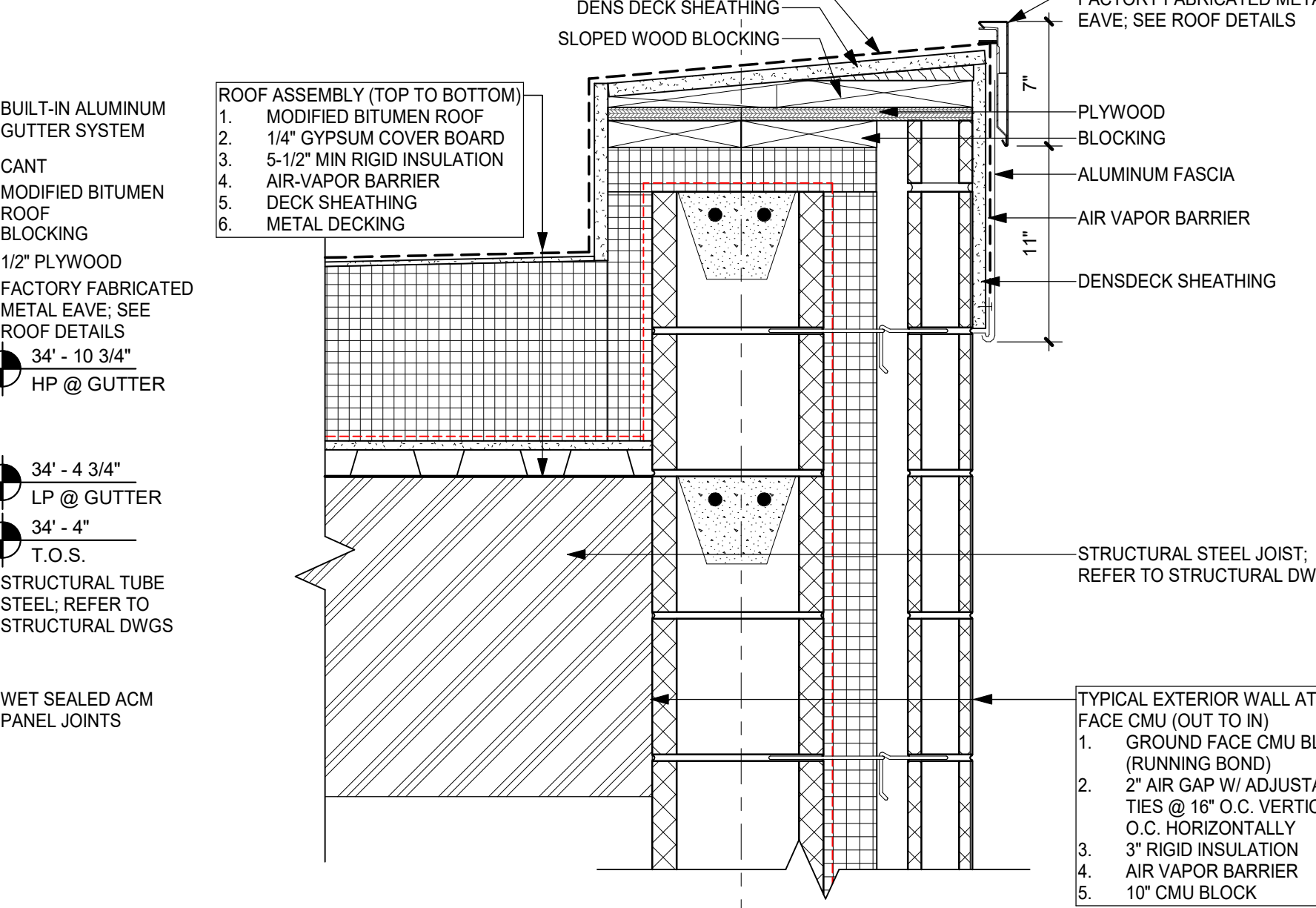
8 HIGH ROOF OVERHANG
1 1/2" = 1'-0"



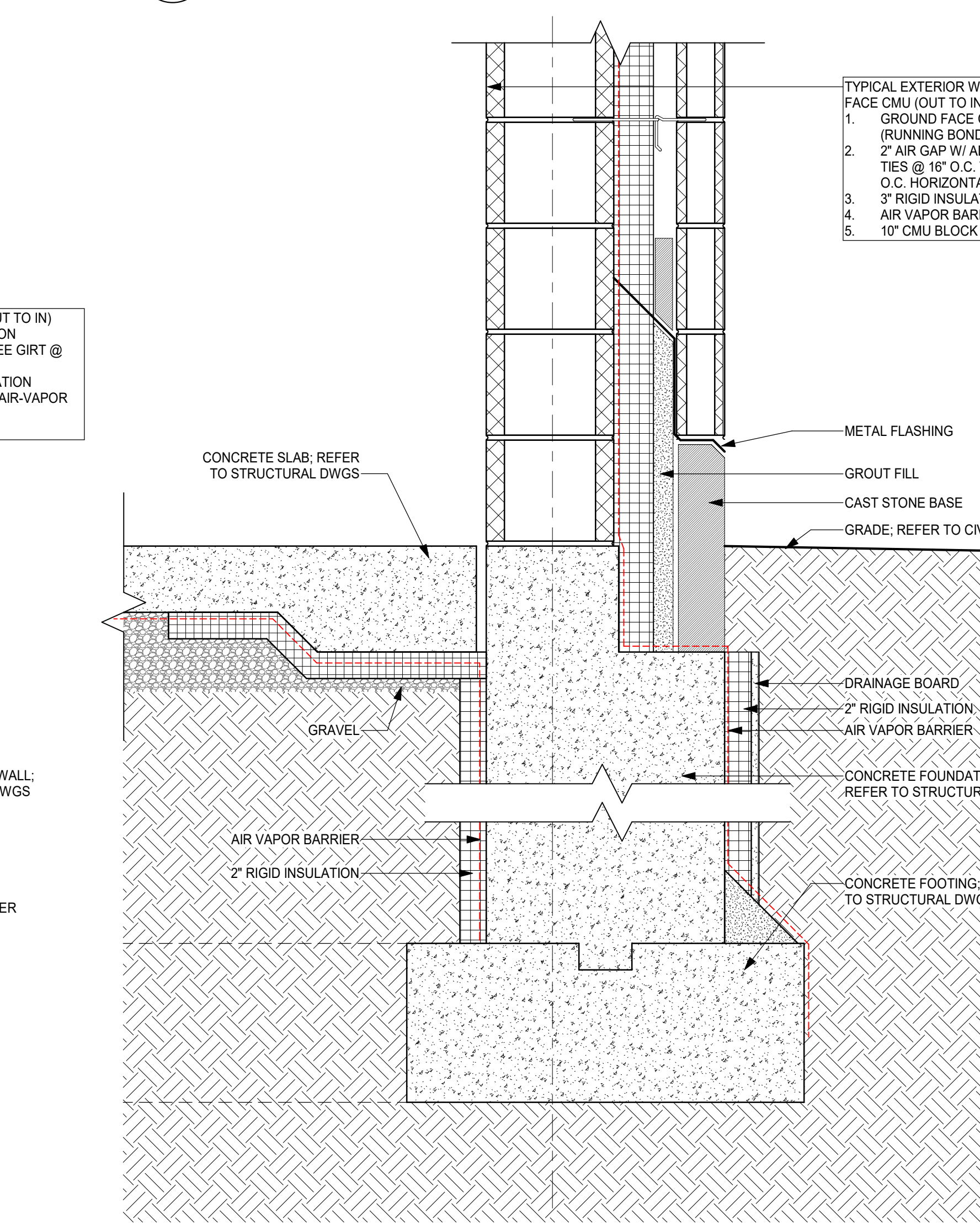
7 TYP. FOUNDATION @ METAL PANEL
1 1/2" = 1'-0"



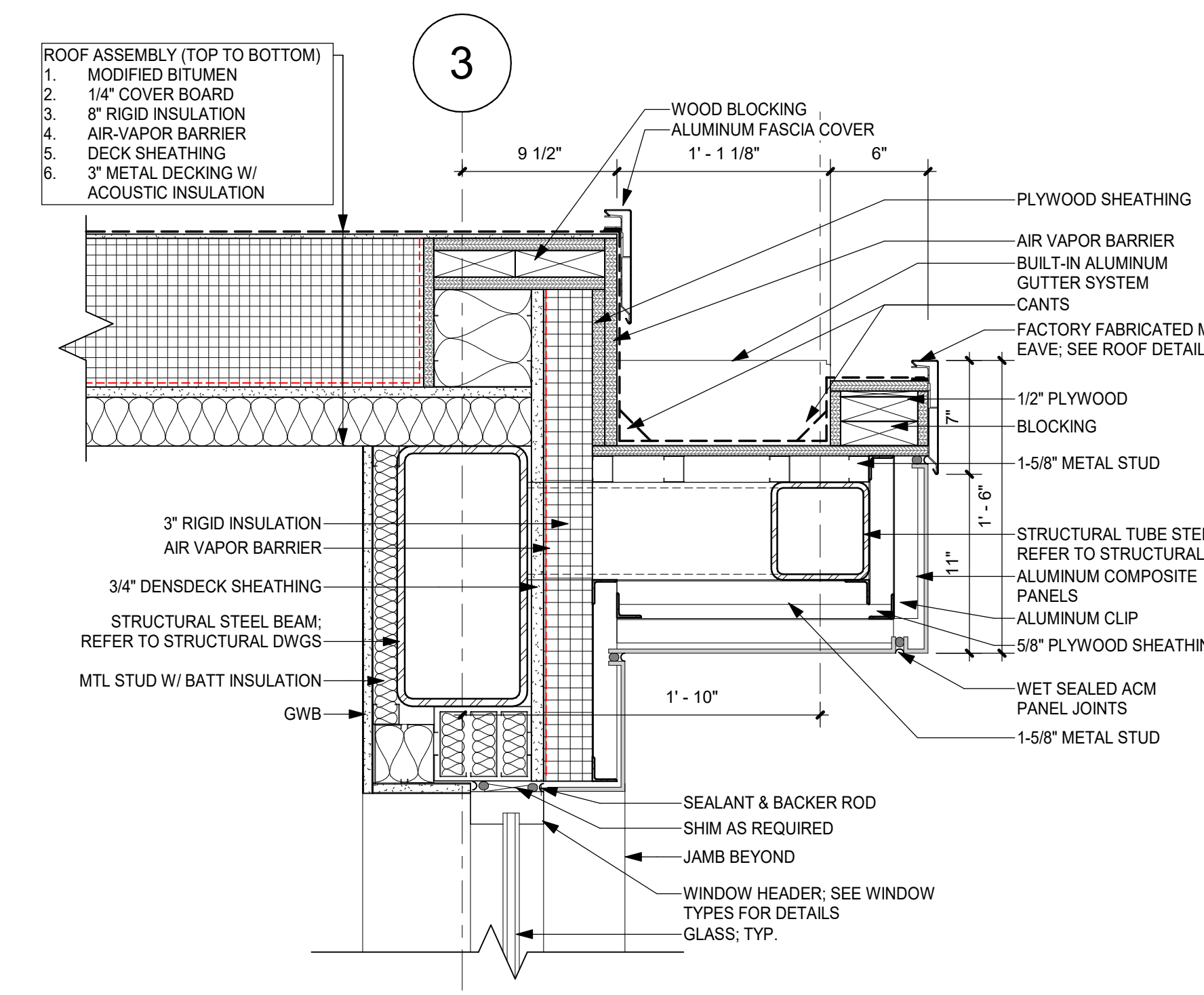
6 HIGH ROOF OVERHANG - BACK SHORT
1 1/2" = 1'-0"



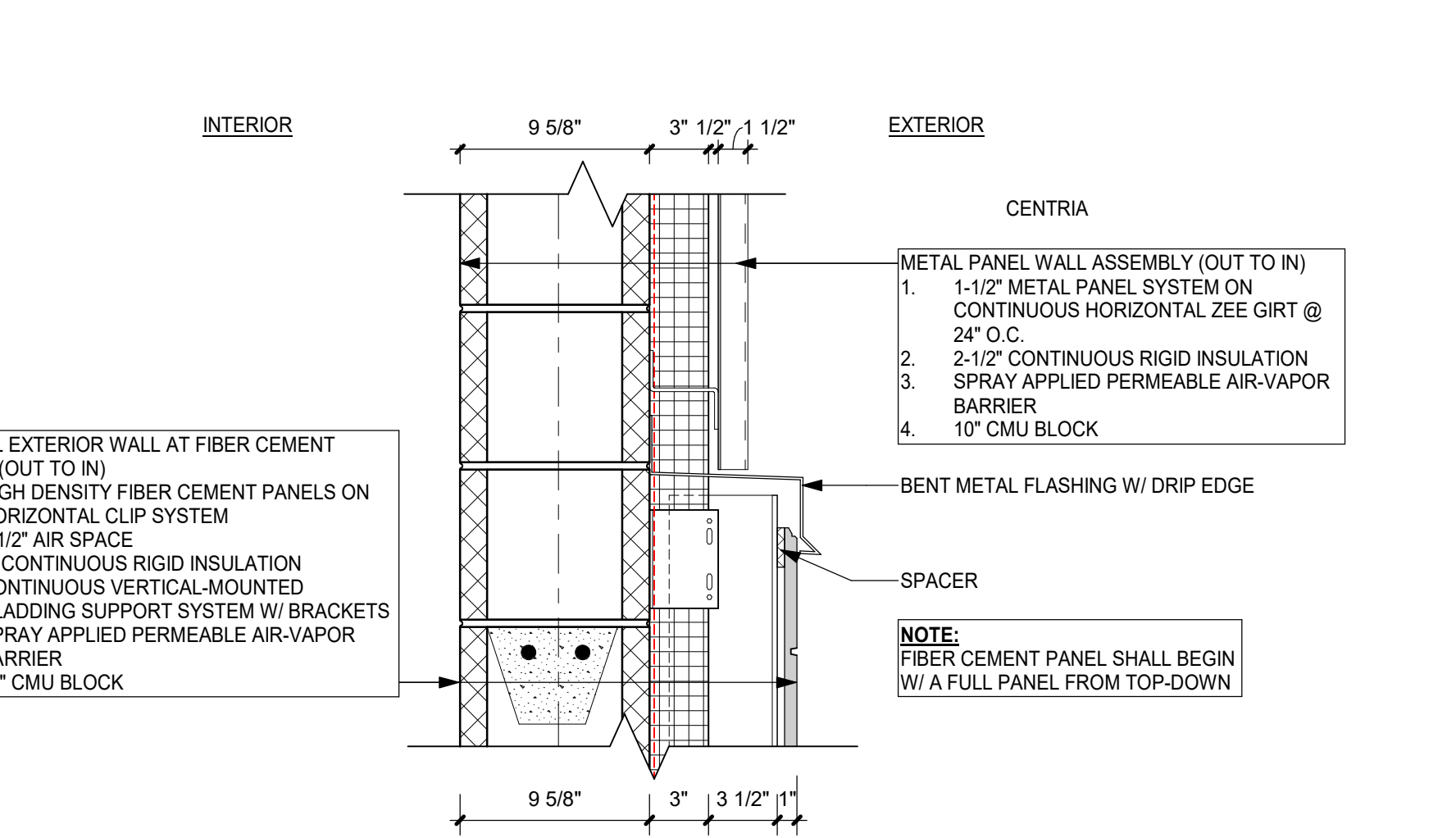
5 TYP. PARAPET @ GROUND FACE BLOCK
1 1/2" = 1'-0"



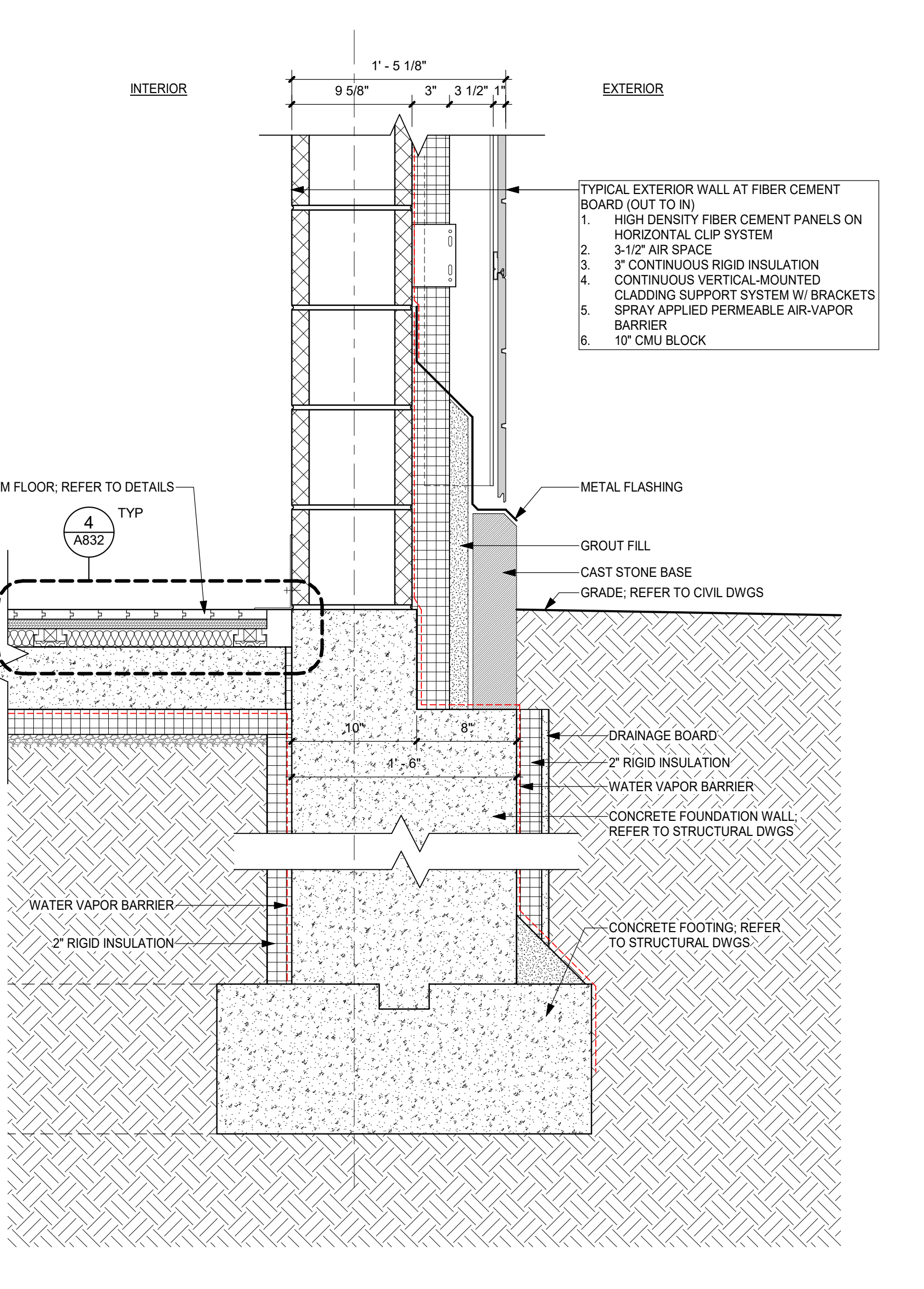
4 TYP. FOUNDATION @ GROUND FACE BLOCK
1 1/2" = 1'-0"



3 HIGH ROOF OVERHANG - SIDES
1 1/2" = 1'-0"



2 TYP. TRANSITION - MTL PANEL TO FIBER C
1 1/2" = 1'-0"



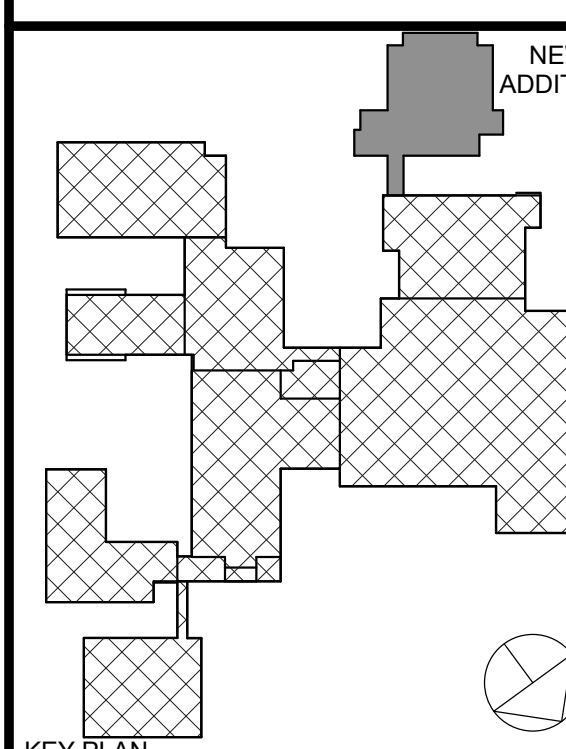
1 TYP. FOUNDATION @ FIBER C
1 1/2" = 1'-0"

ORANGE-ULSTER BOCES
**ARDEN HILL -
MAIN BUILDING
ADDITIONS AND
ALTERATIONS**
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GOSHEN, NY 10924

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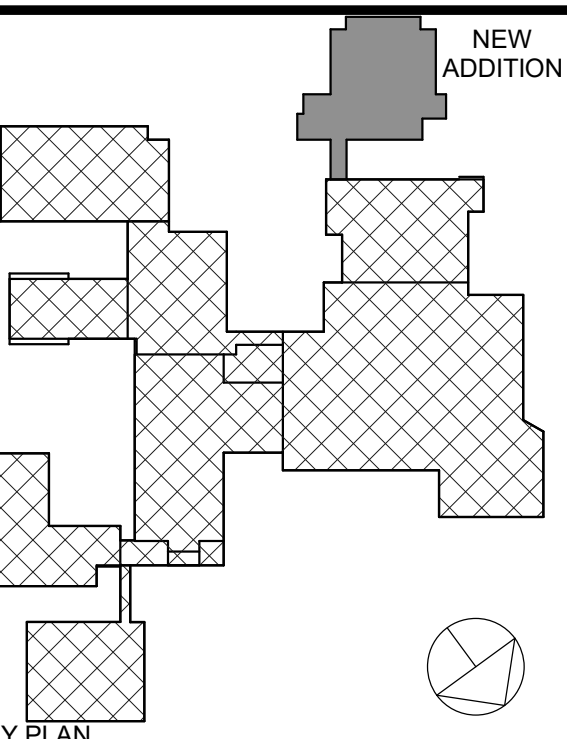
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**WALL SECTION
DETAILS**

Job No.	2023-1012	Date	01/26/2024
Scale		Drawn / Checked	Author / Checker
Sheet Number			

A810



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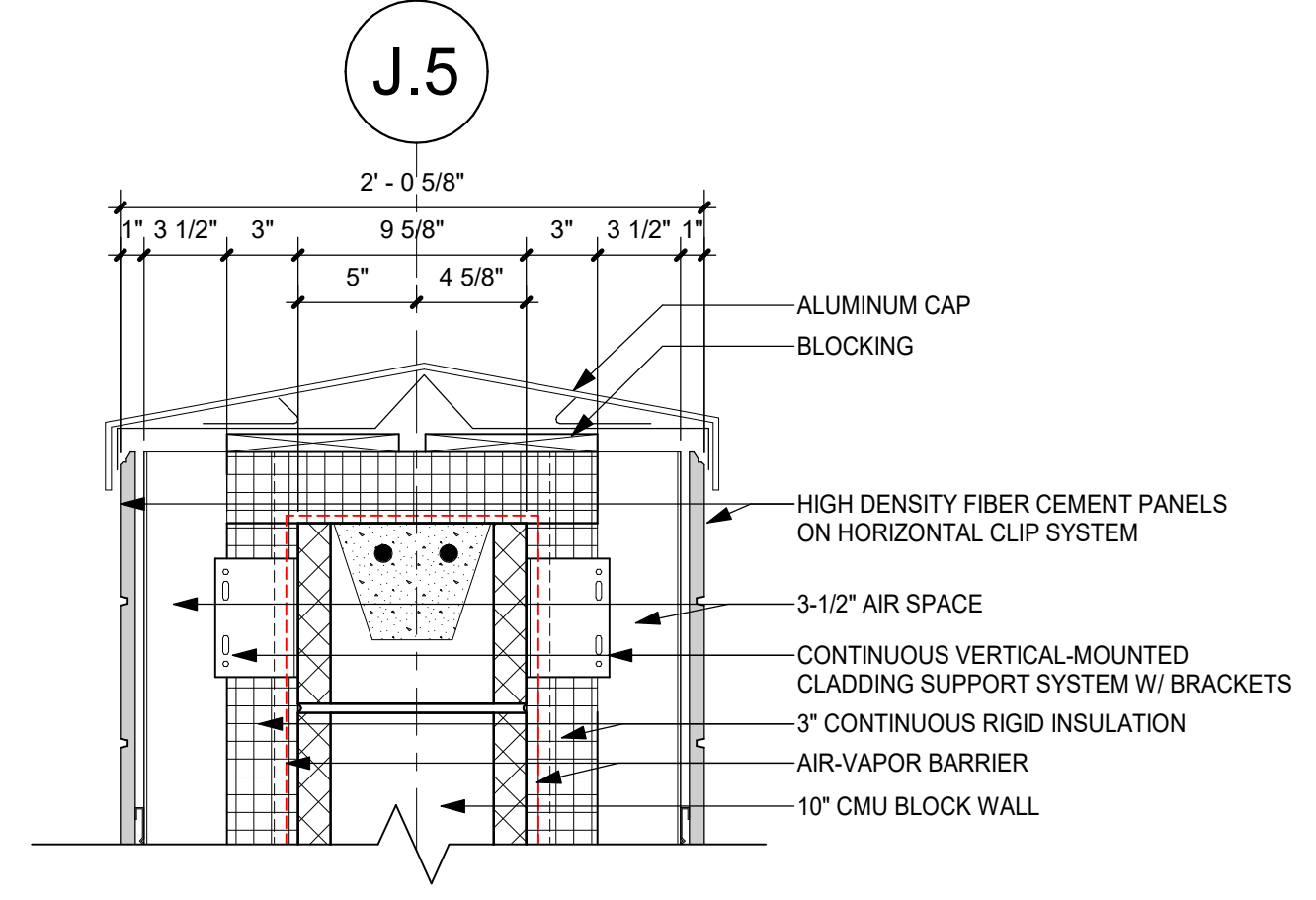
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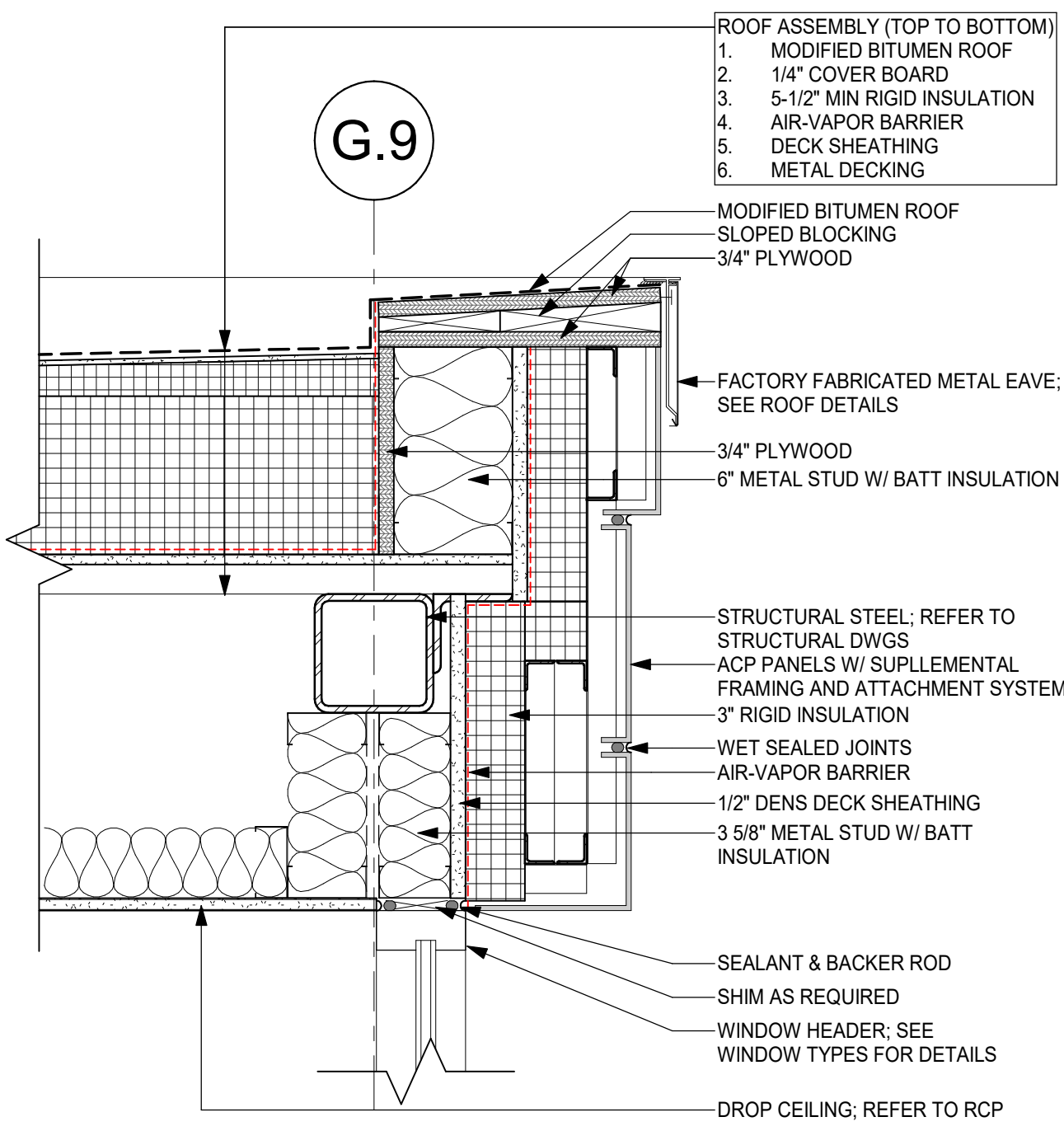
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WALL SECTION DETAILS

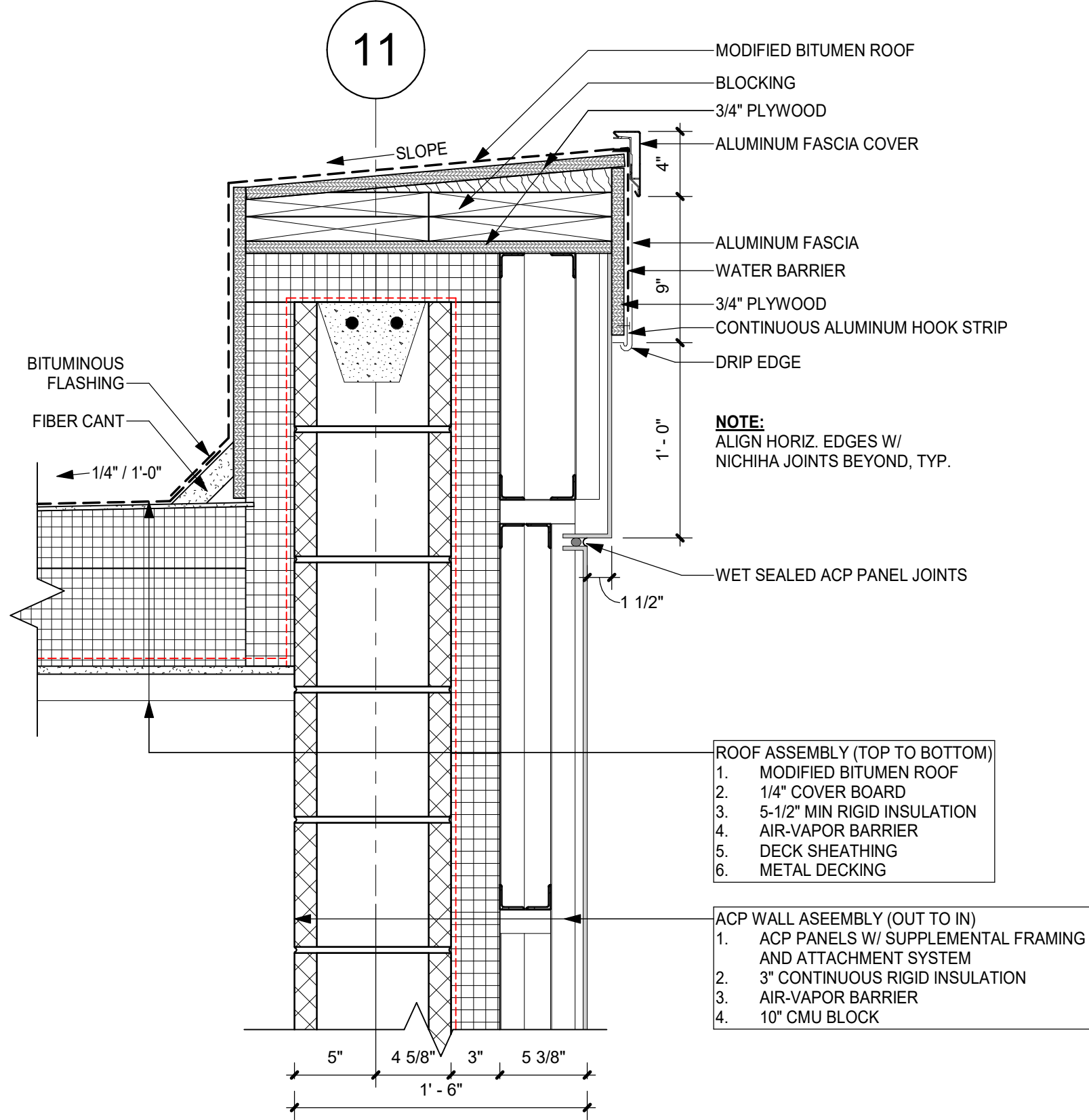
Job No.	2023-1012	Date	01/26/2024
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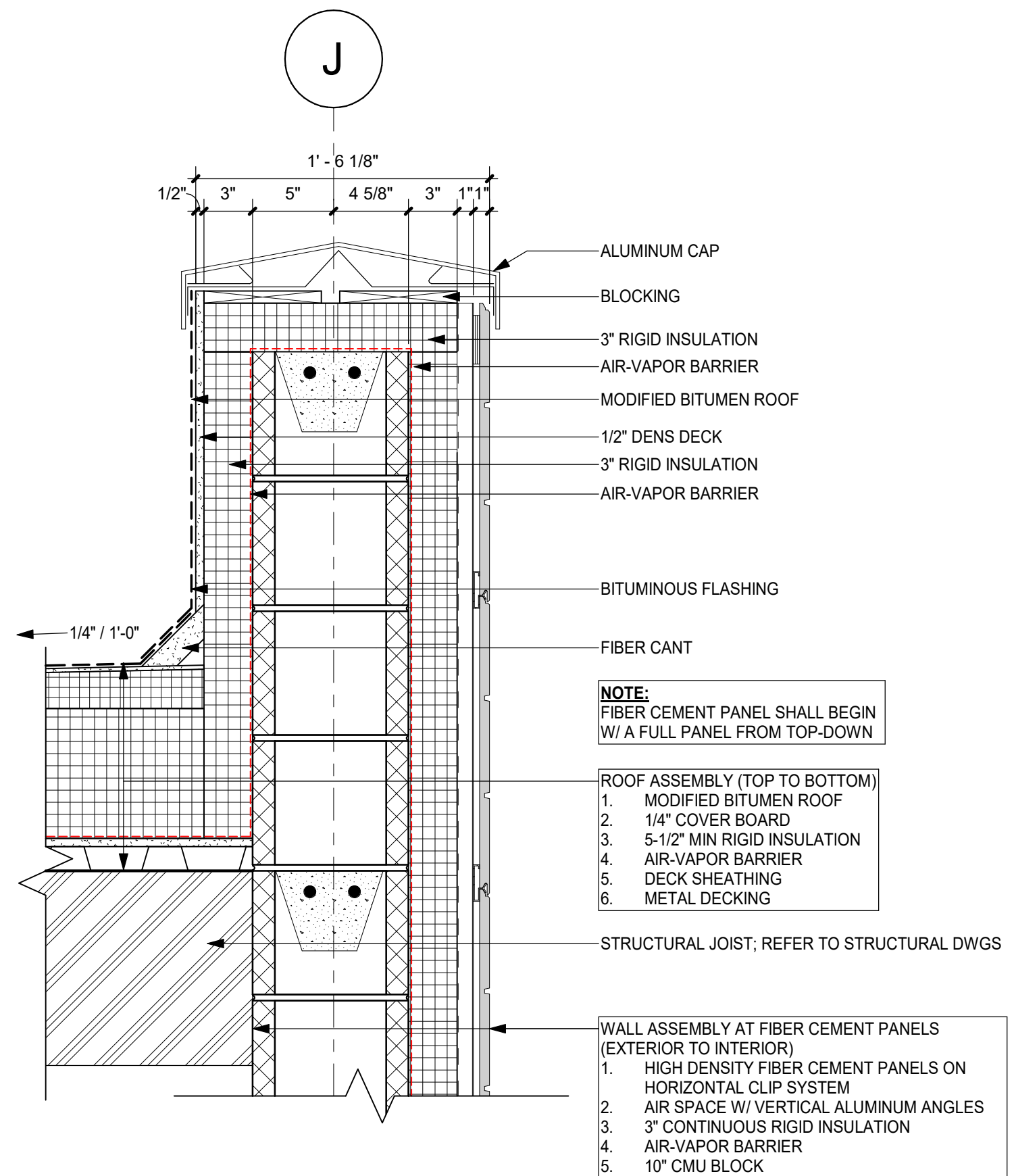
3 TYP. PARAPET @ WING WALL
1 1/2" = 1'-0"



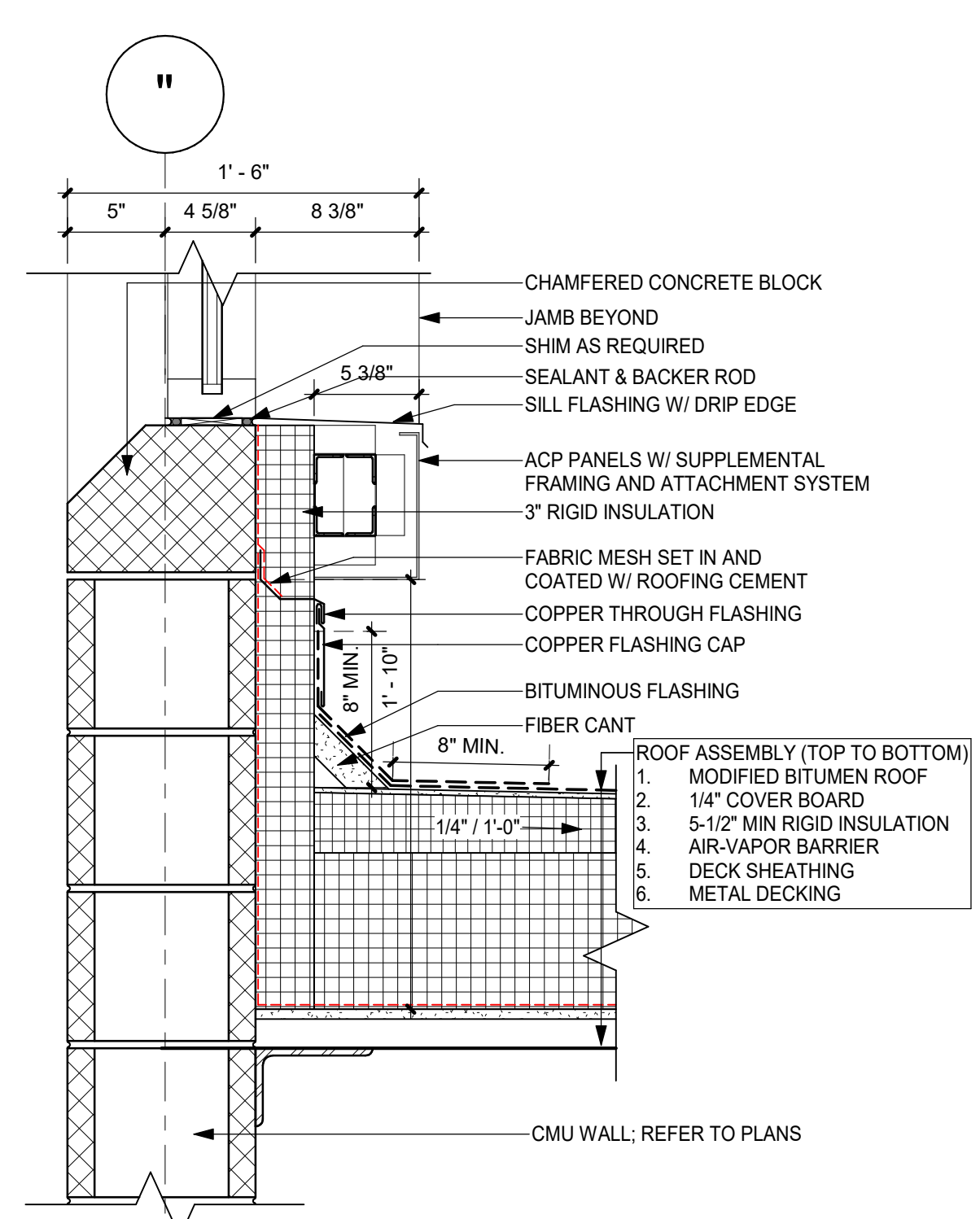
6 TYP. PARAPET @ ENTRY VESTIBULE
1 1/2" = 1'-0"



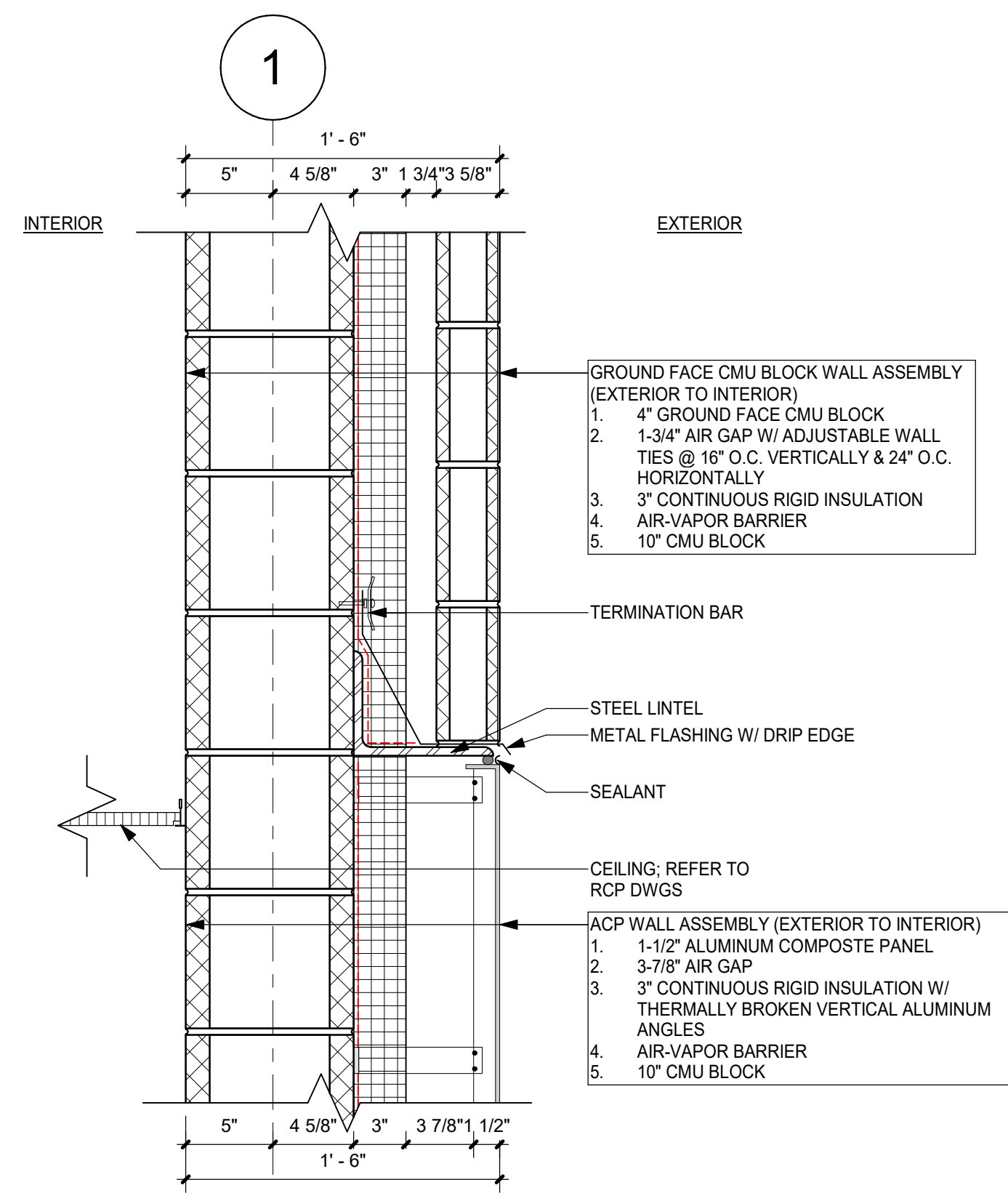
9 TYP. PARAPET @ ACP
1 1/2" = 1'-0"



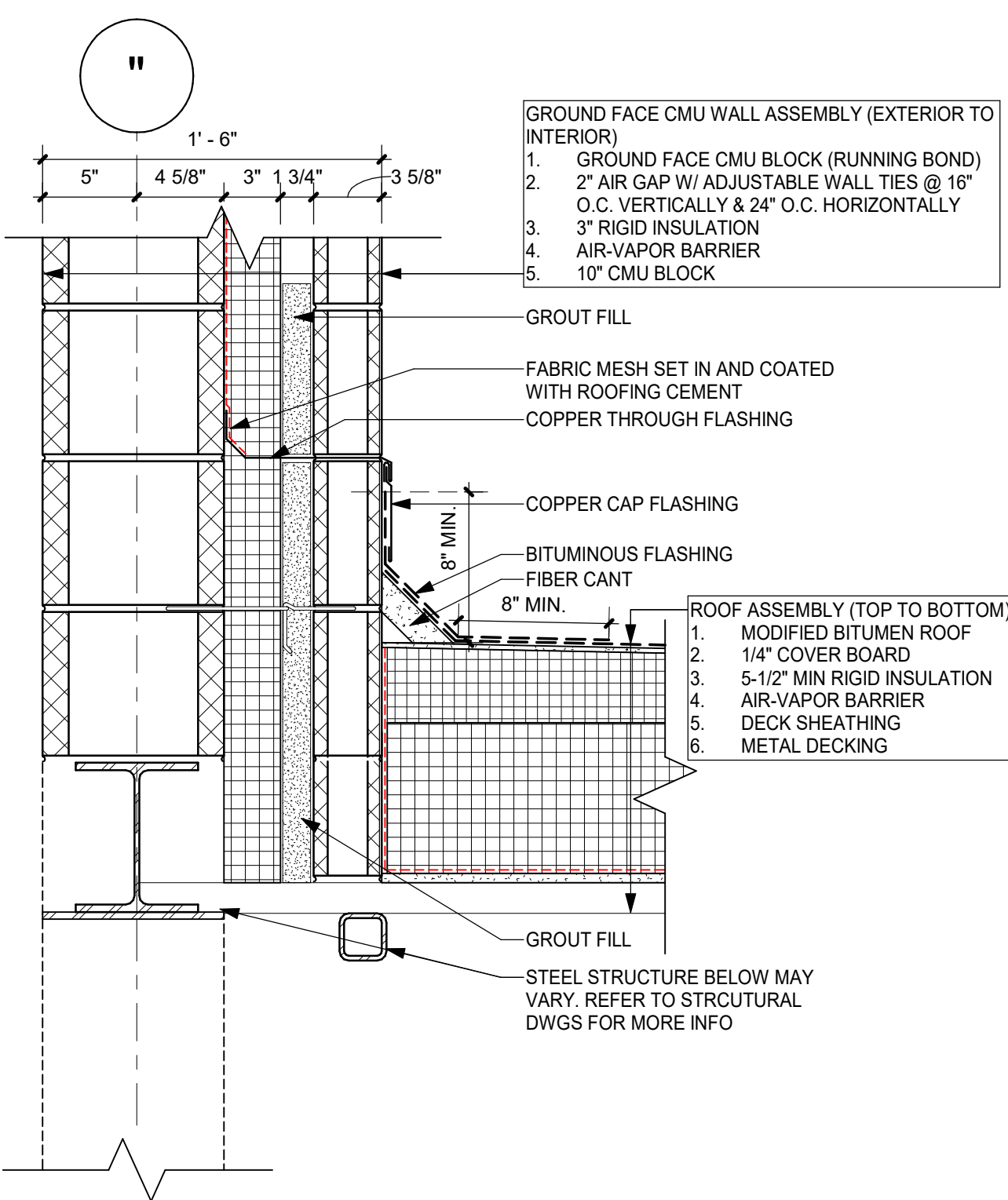
2 TYP. FIBER C PARAPET
1 1/2" = 1'-0"



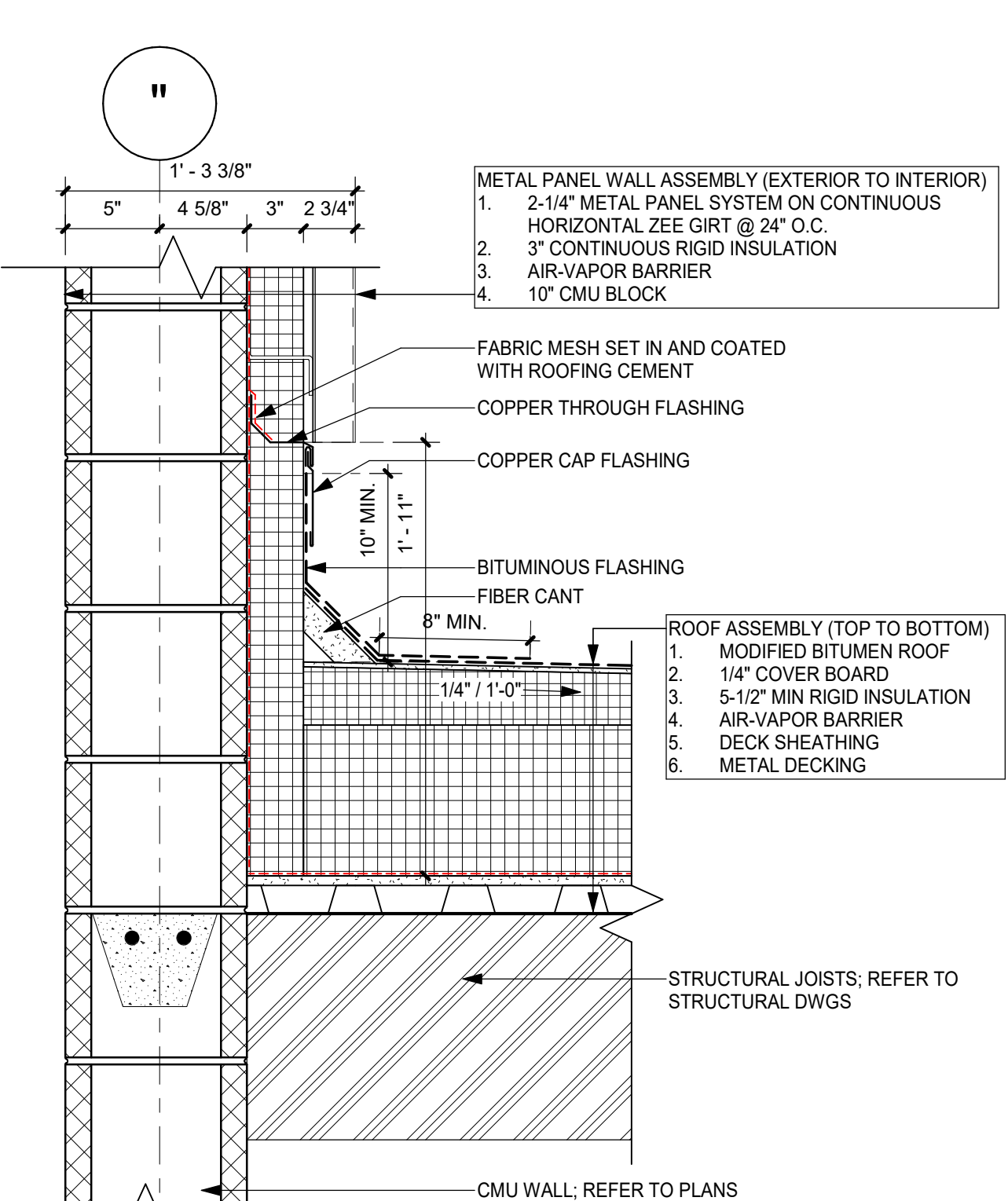
5 TYP. ROOF @ ACP
1 1/2" = 1'-0"



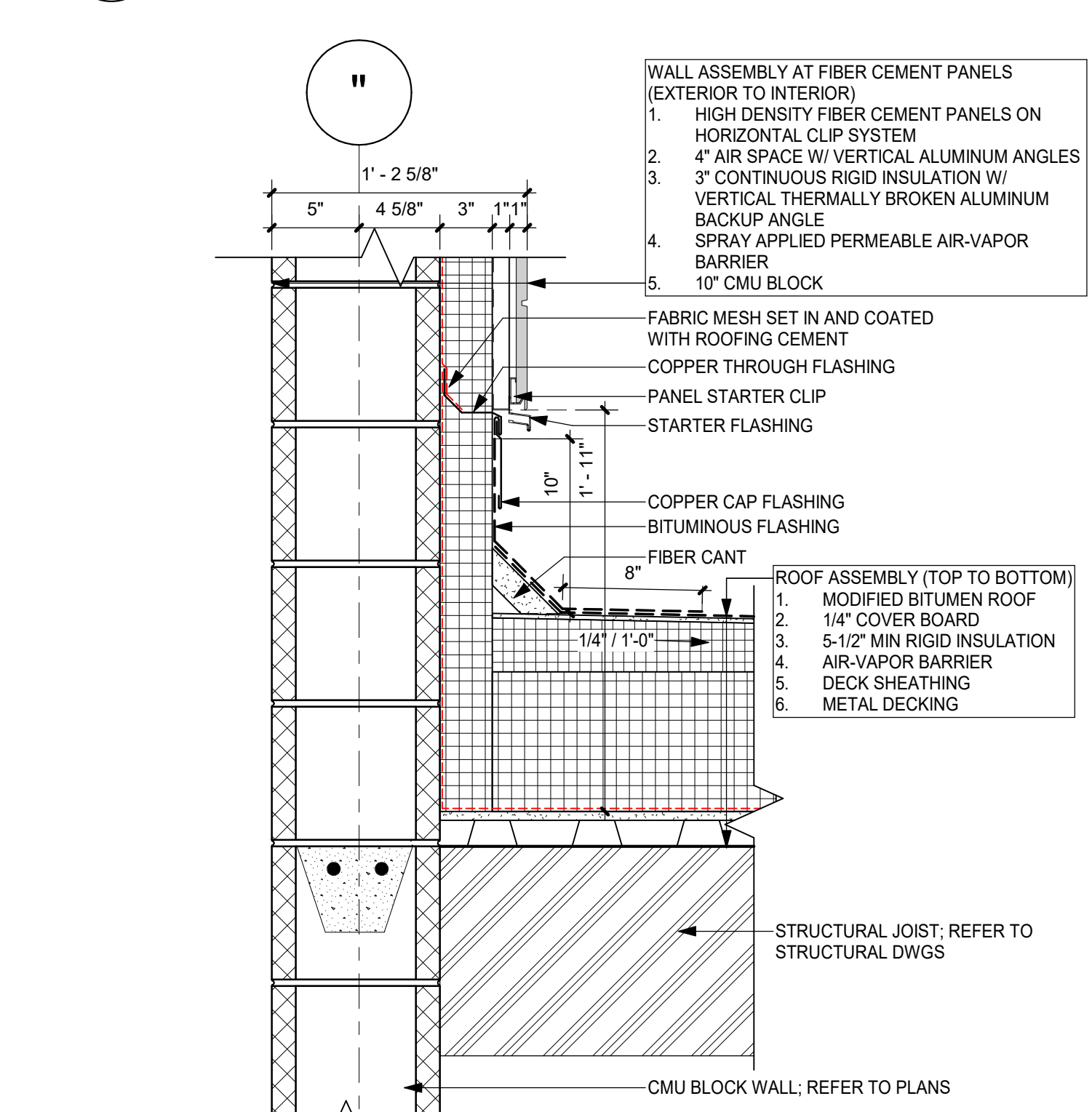
8 TYP. DETAIL @ ACP TO GROUND FACE BLOCK
1 1/2" = 1'-0"



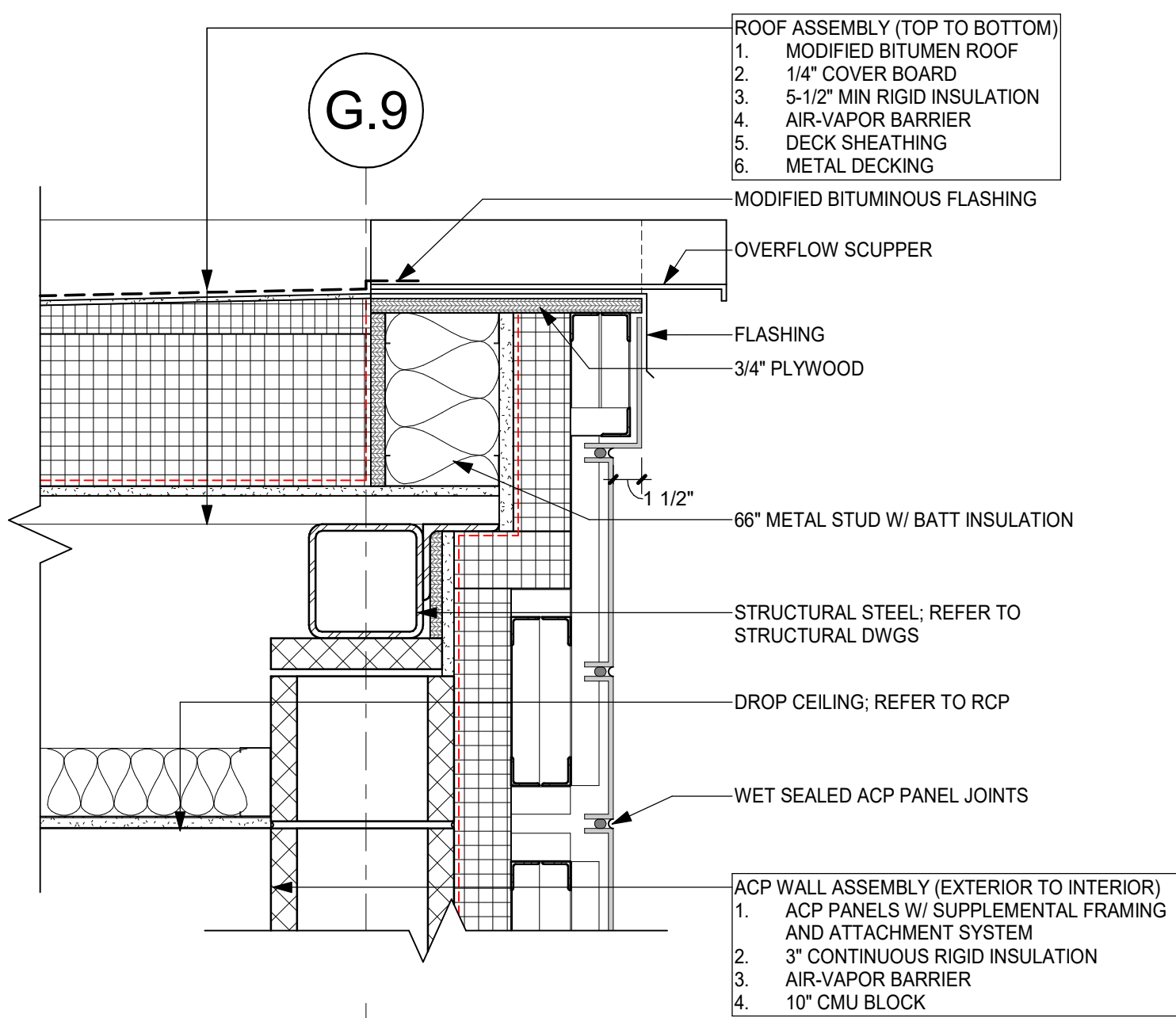
7 TYP. ROOF @ GROUND FACE BLOCK
1 1/2" = 1'-0"



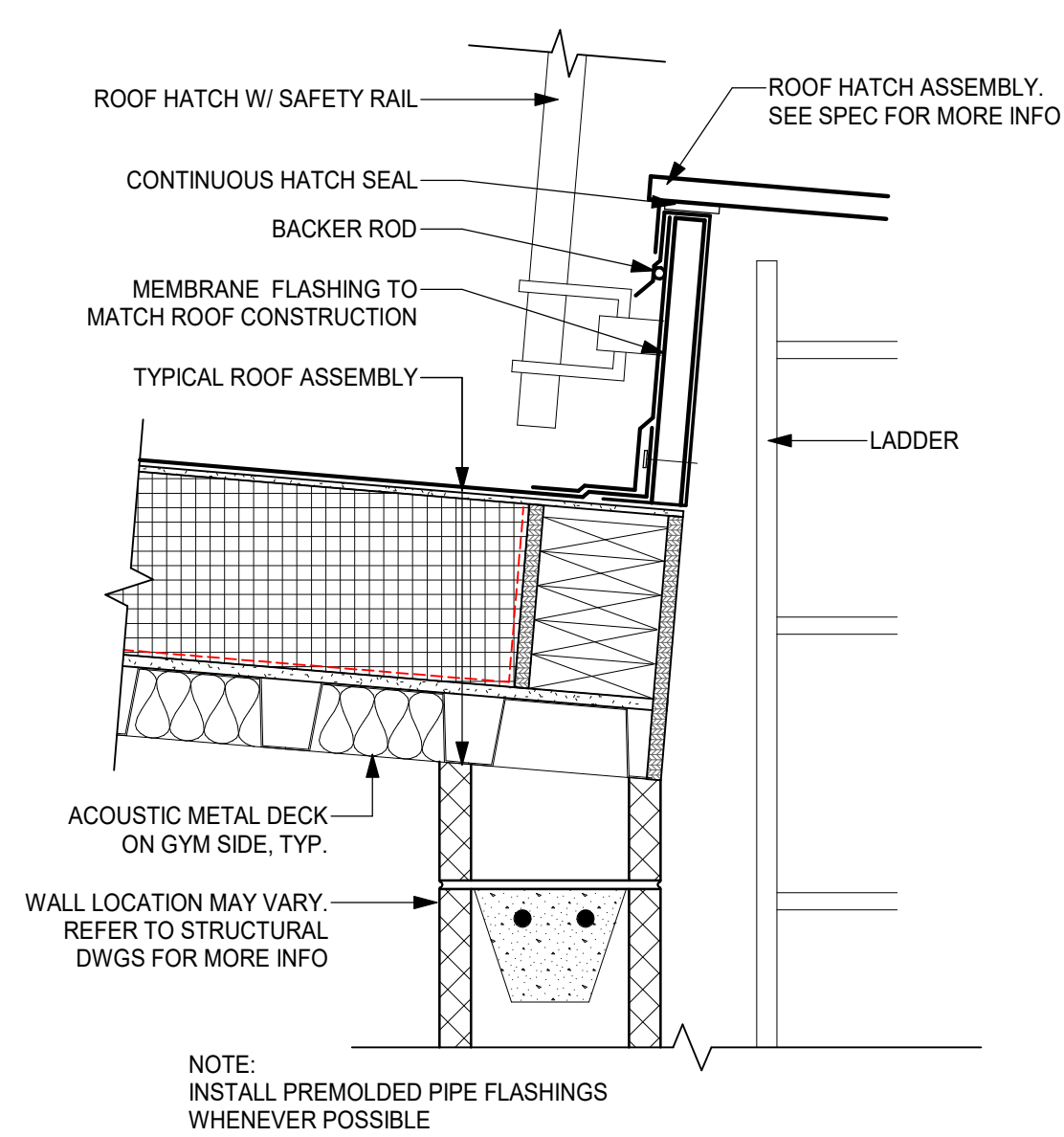
4 TYP. MTL PANEL @ ROOF
1 1/2" = 1'-0"



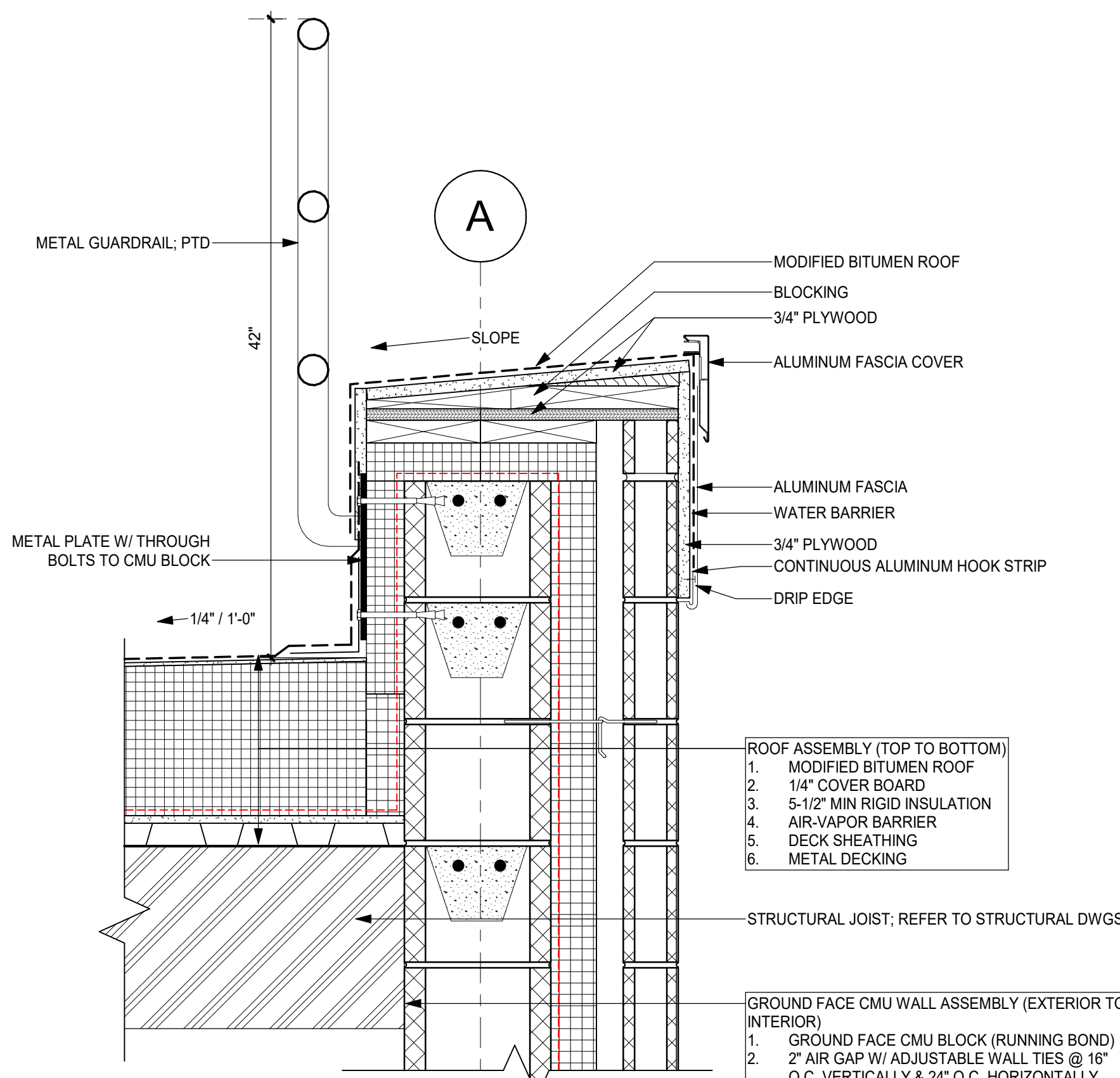
1 TYP. FIBER C @ ROOF
1 1/2" = 1'-0"



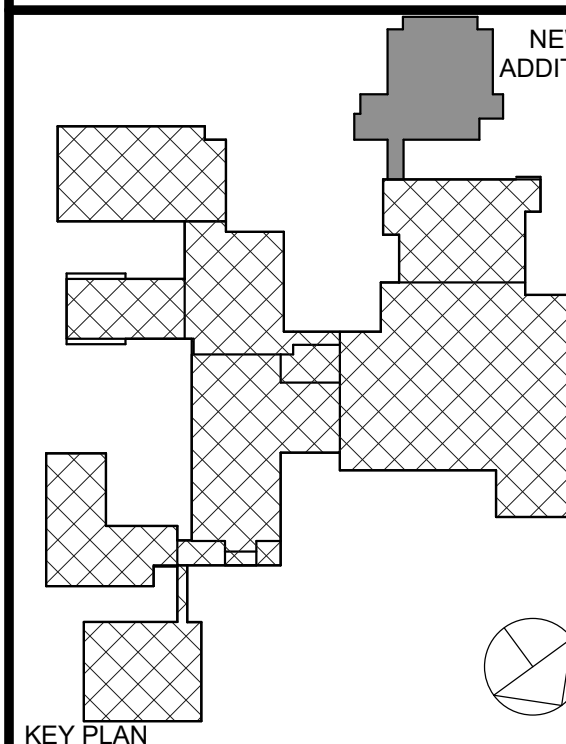
12 TYP. PARAPET @ OVERFLOW SCUPPER
1 1/2" = 1'-0"



11 TYP. ROOF HATCH DETAIL
1 1/2" = 1'-0"



10 TYP. PARAPET @ GUARD RAIL
1 1/2" = 1'-0"



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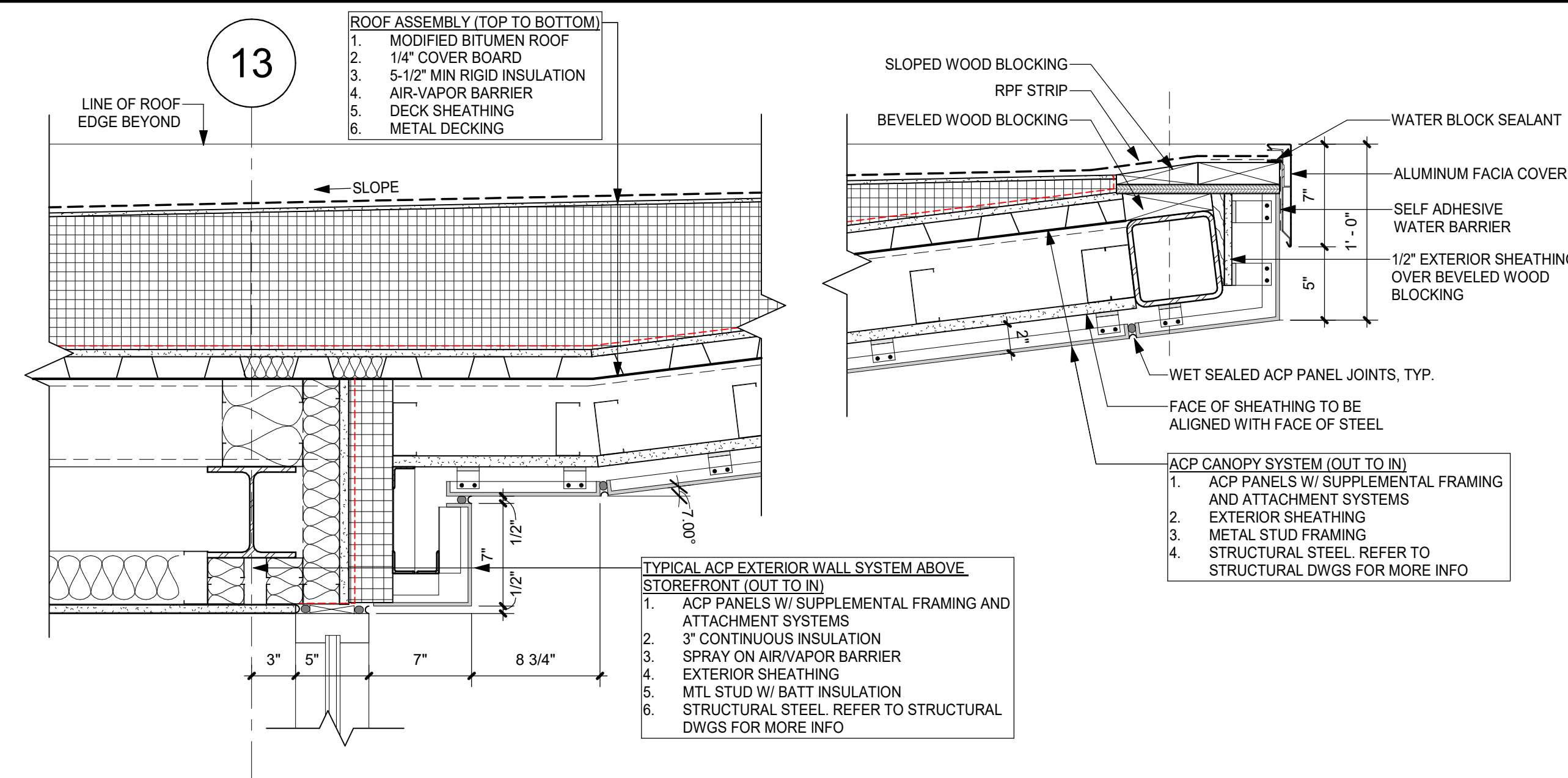
WALL SECTION
DETAILS

Job No.	Date
2023-1012	01/26/2024

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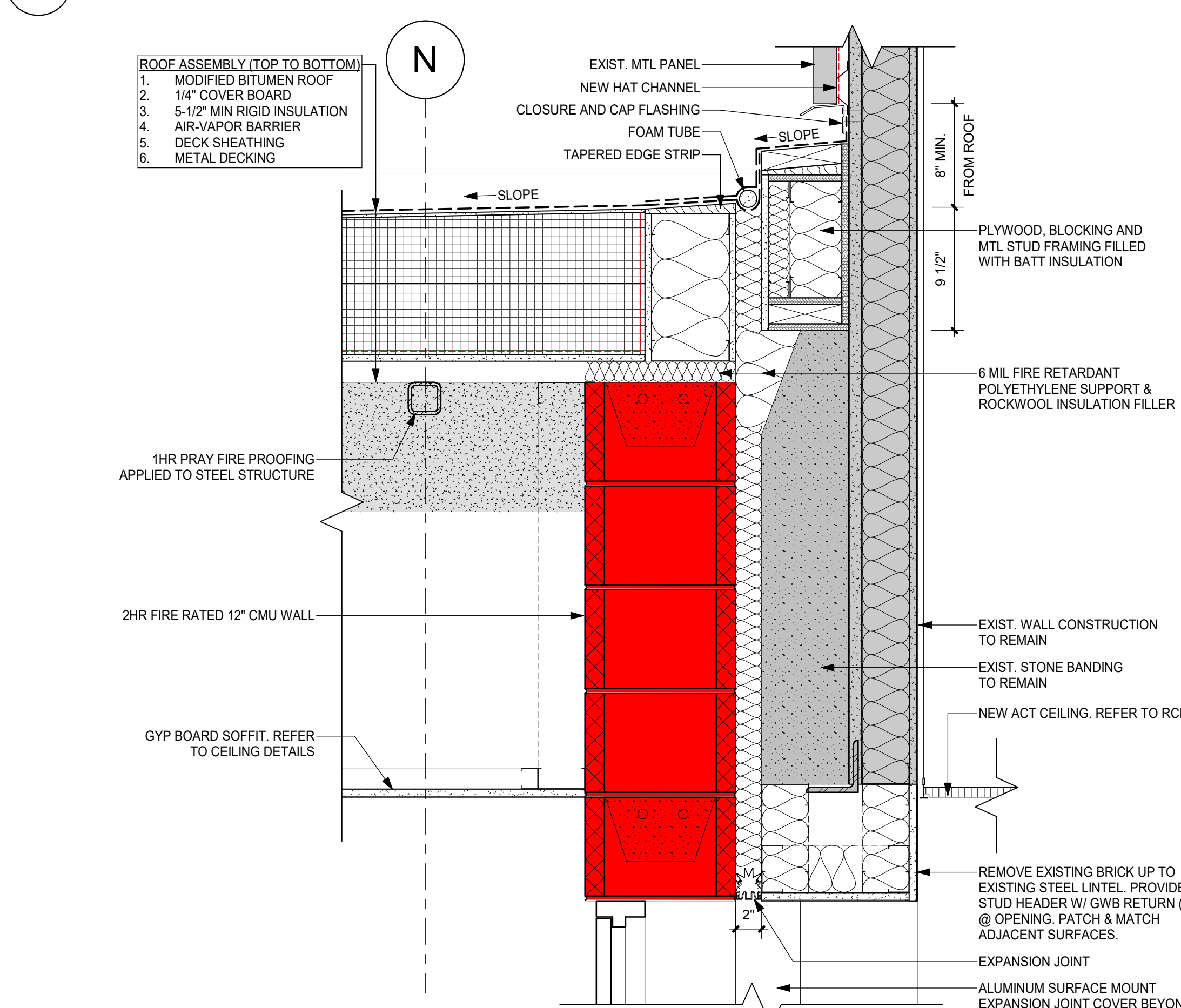
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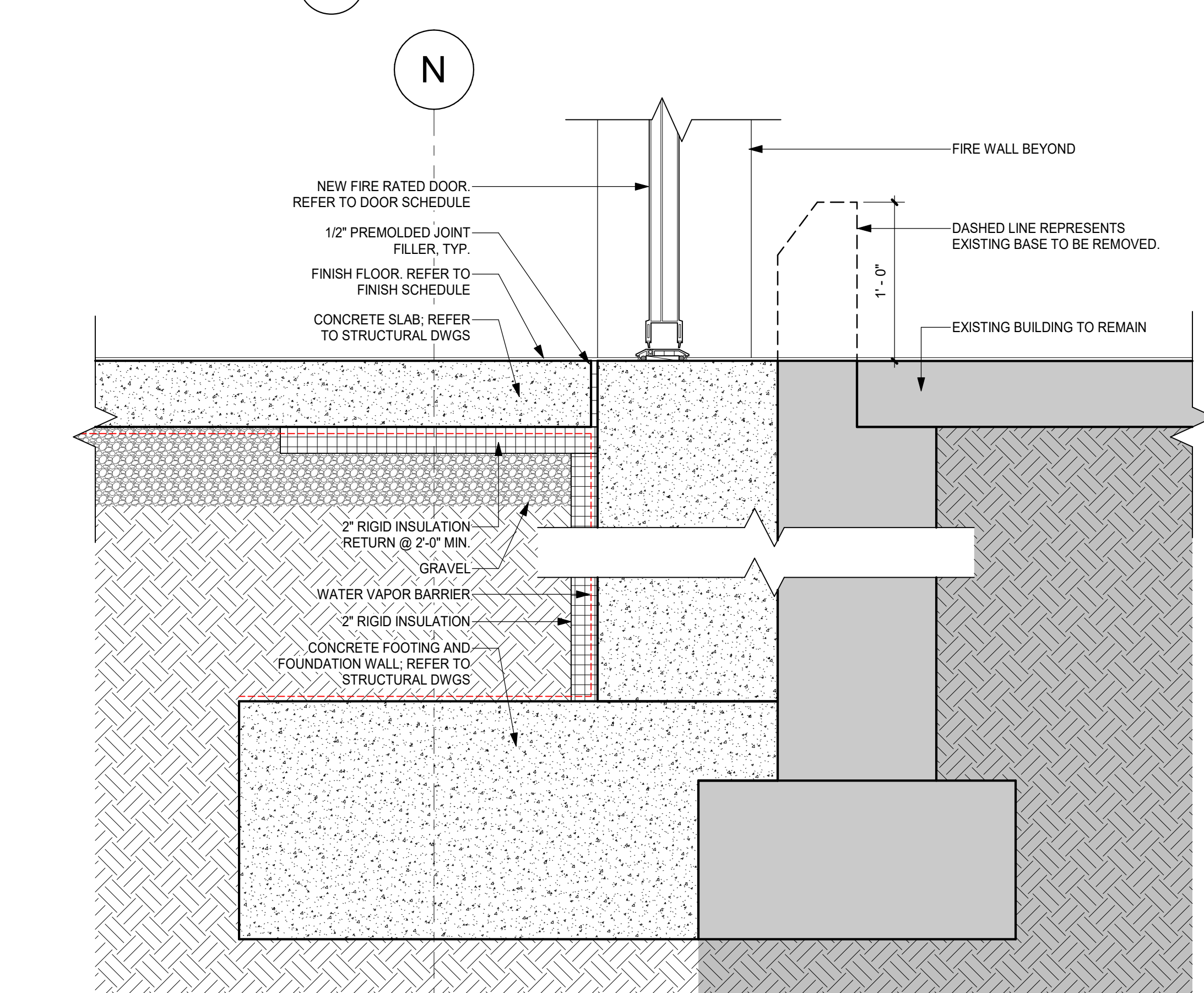
3 MAIN ENTRY CANOPY DETAIL

1 1/2" = 1'-0"



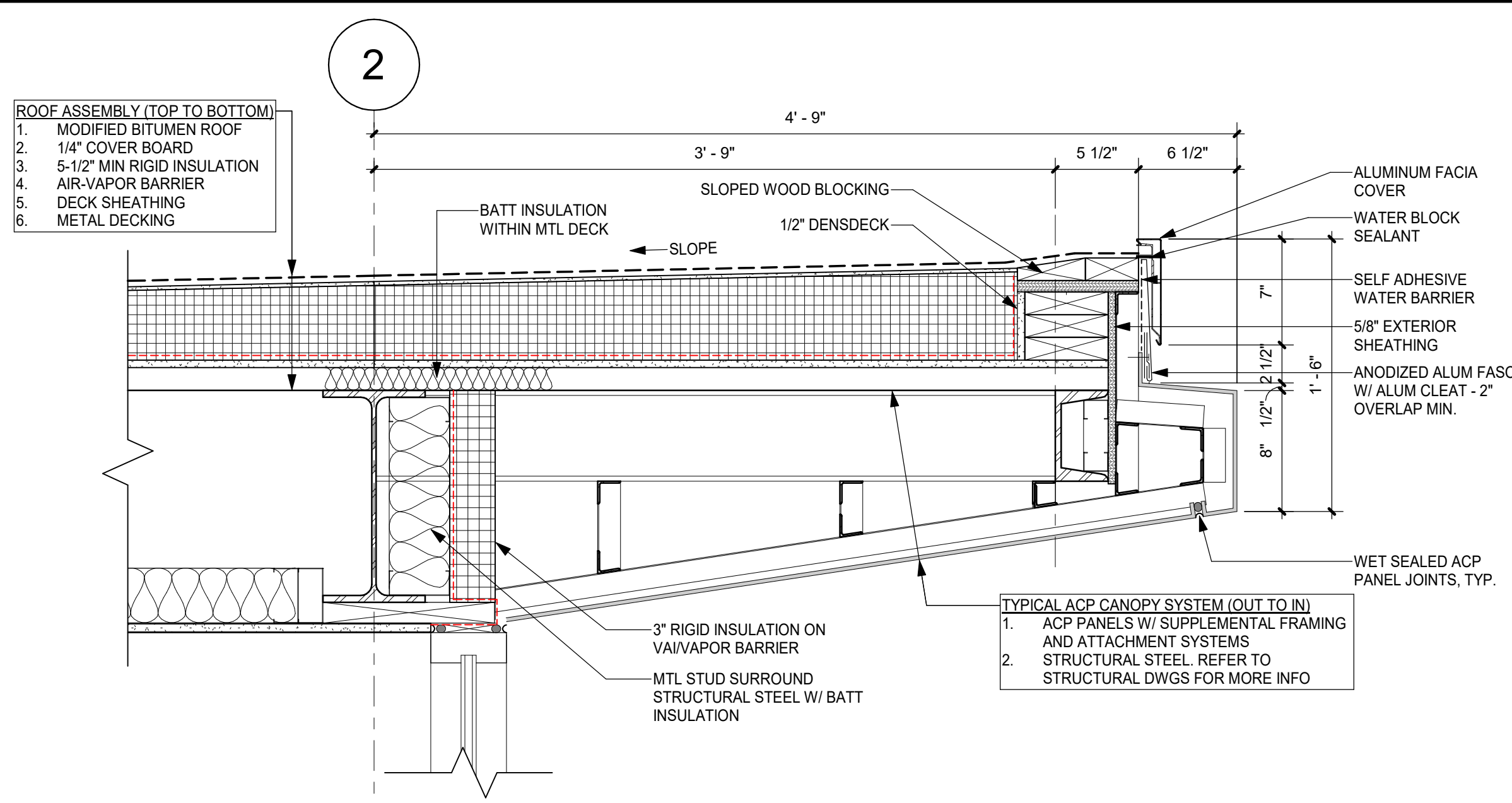
2 TYP. ROOF @ FIRE WALL

1 1/2" = 1'-0"



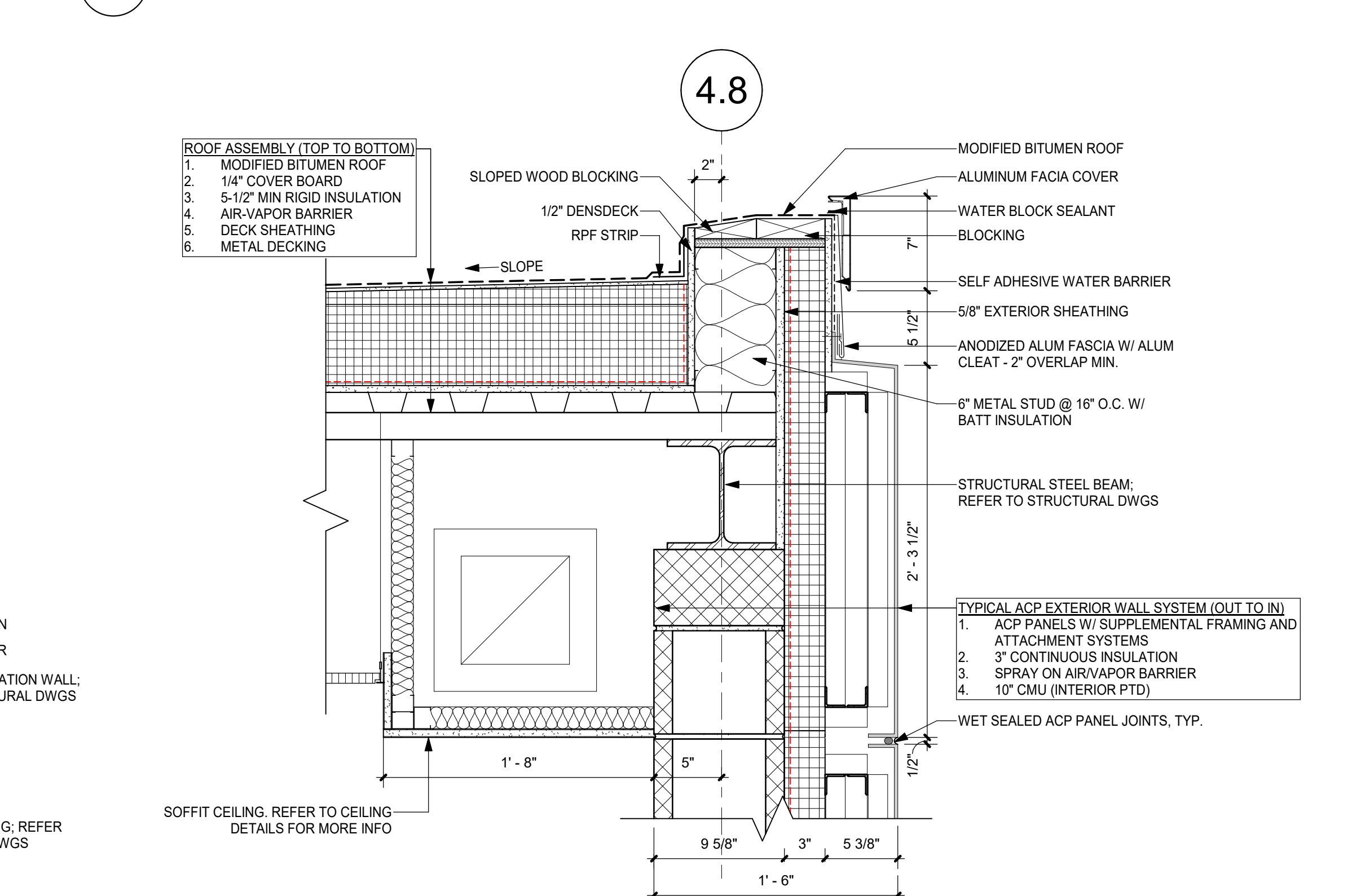
1 TYP. FOUNDATION @ FIRE WALL

1 1/2" = 1'-0"



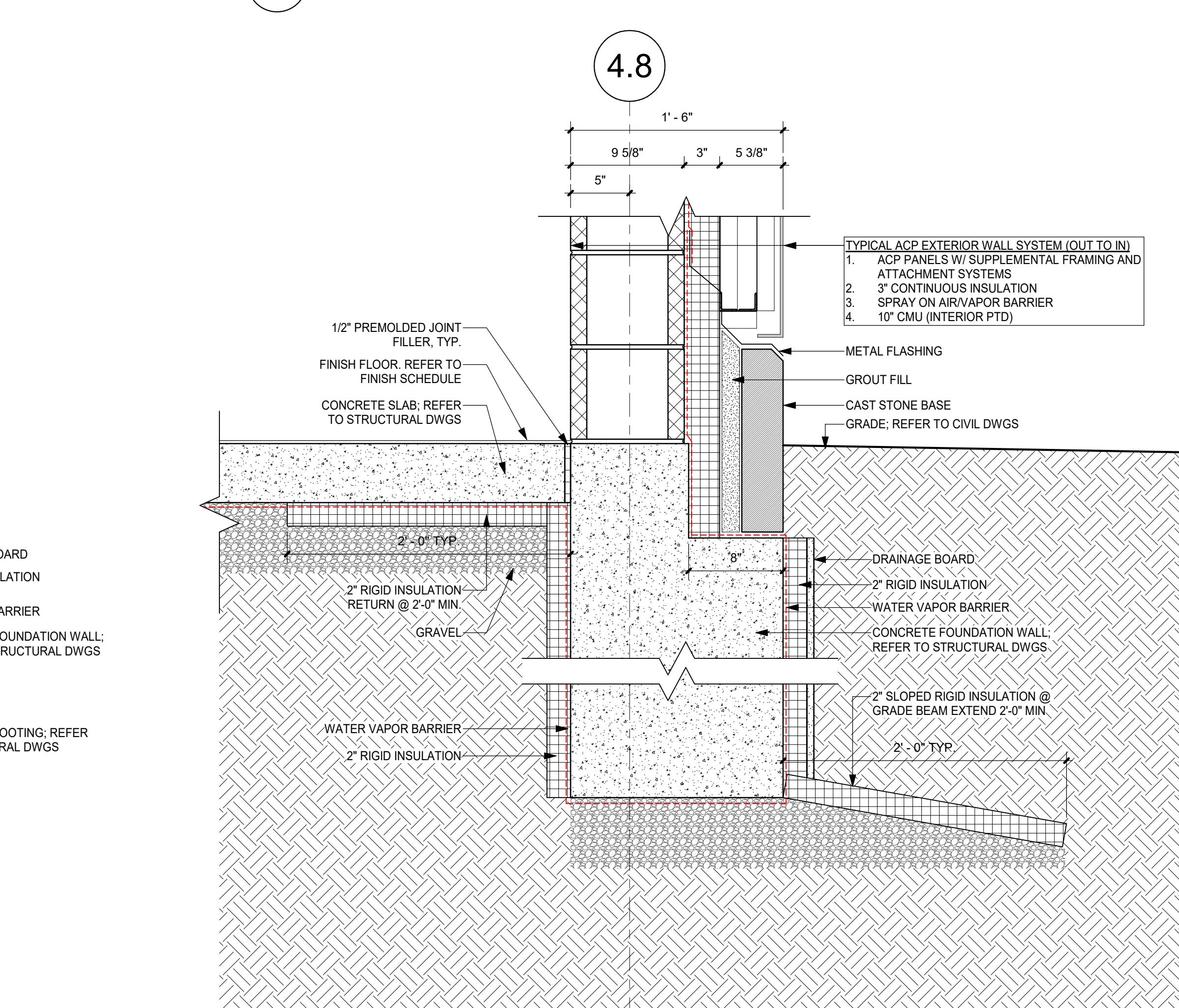
6 REAR CANOPY OVERHANG @ STOREFRONT

1 1/2" = 1'-0"



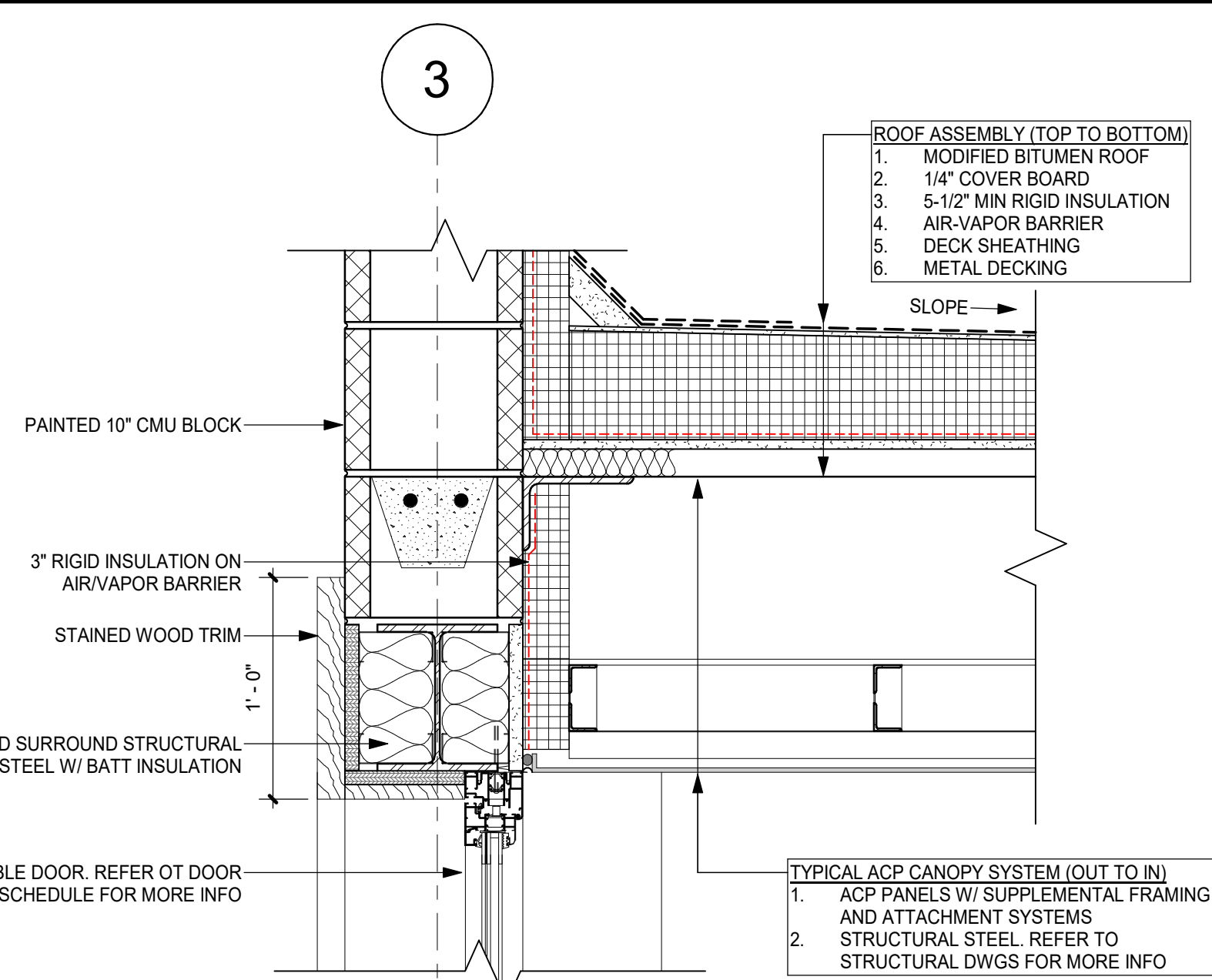
5 TYP. PARAPET @ CONNECTING CORR BLOCK

1 1/2" = 1'-0"



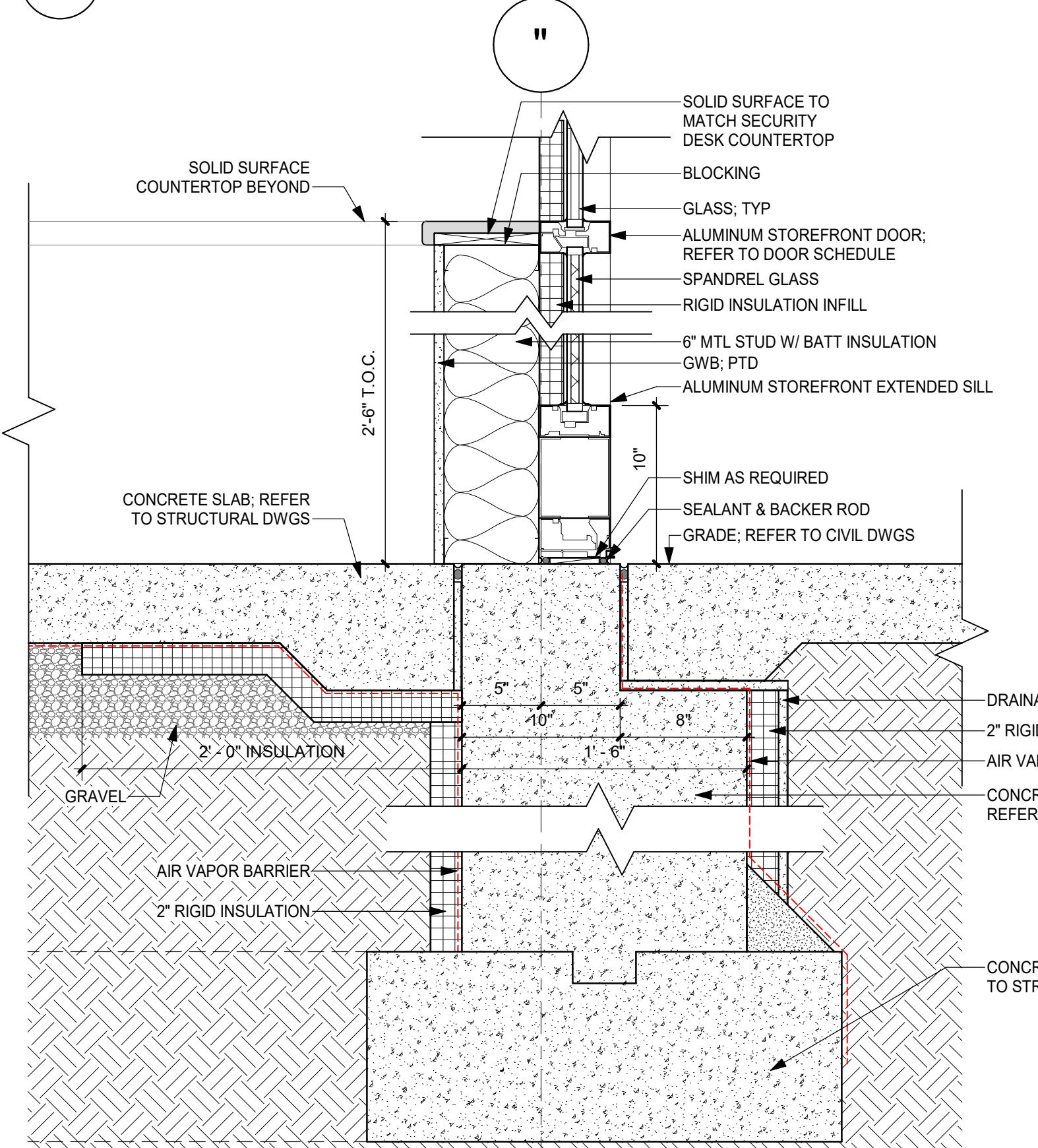
4 TYP. FOUNDATION @ ACP - GRADE BEAM

1 1/2" = 1'-0"



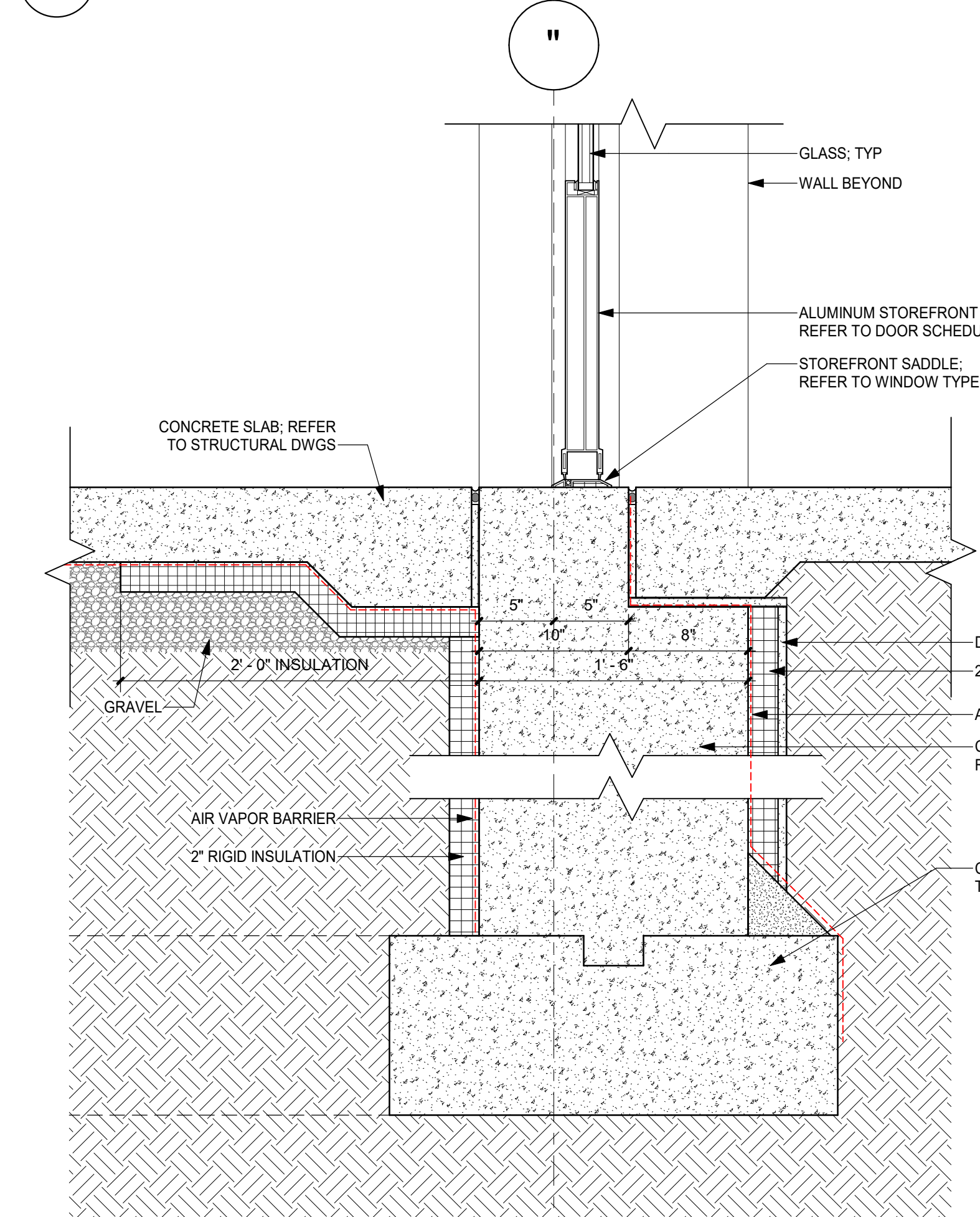
9 HEAD DETAIL @ SLIDING DOOR

1 1/2" = 1'-0"



8 TYP. FOUNDATION @ SPANDREL PANEL

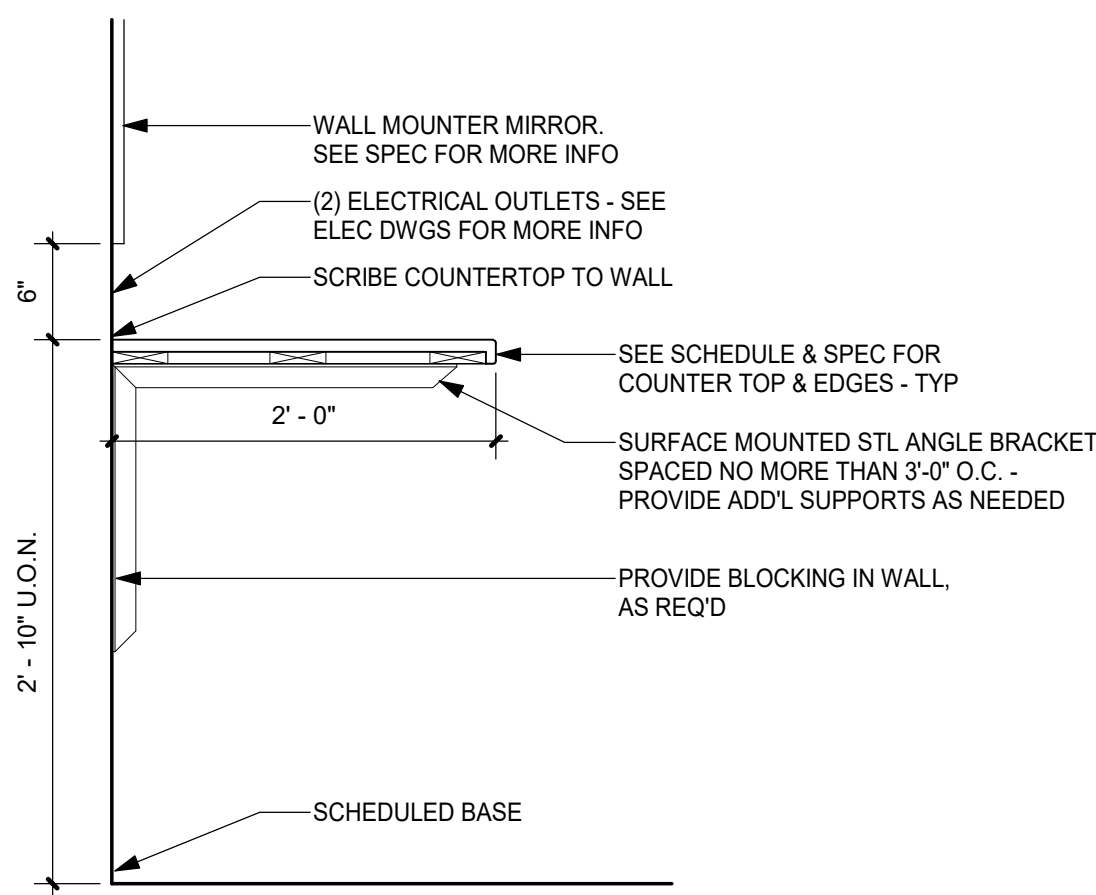
1 1/2" = 1'-0"



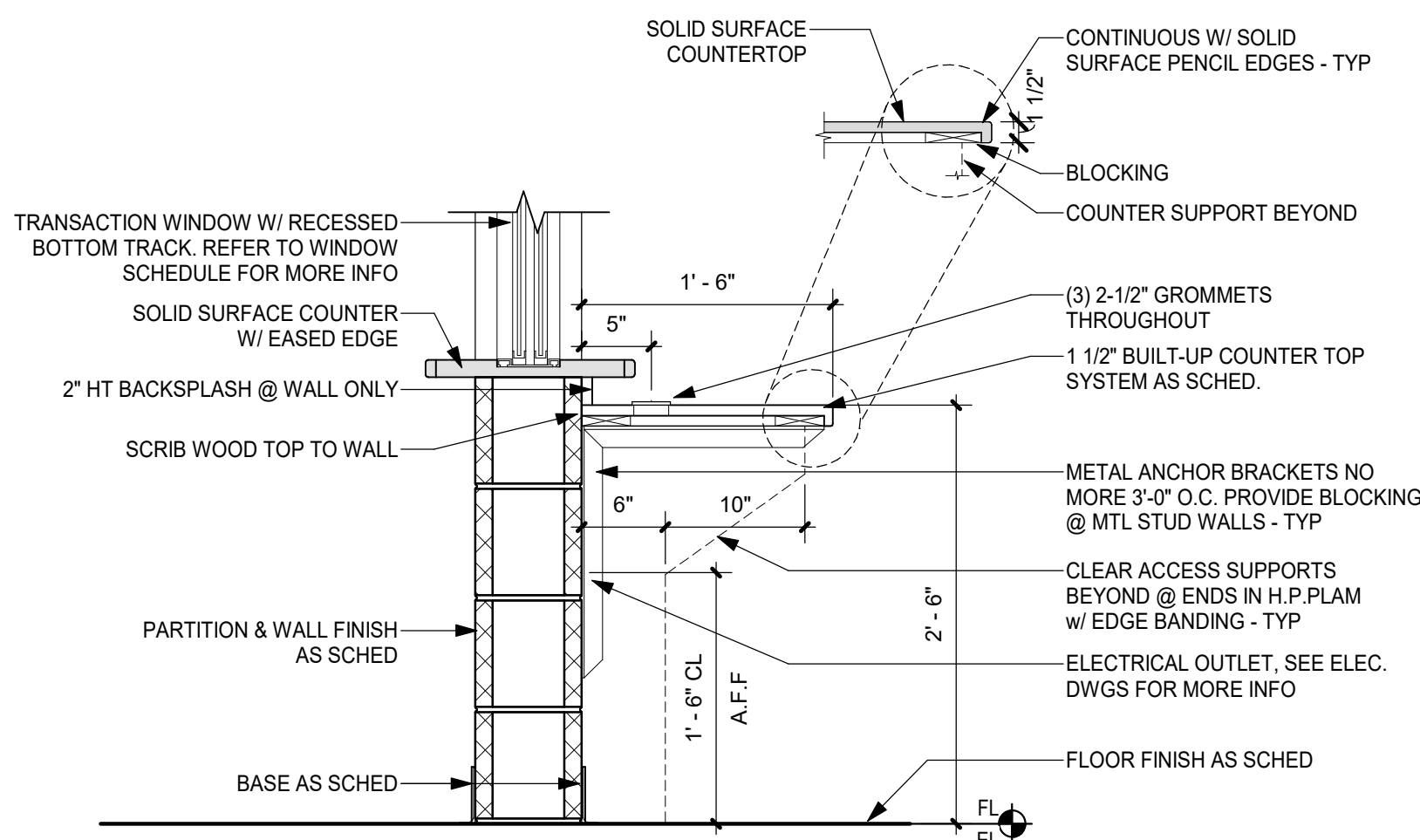
7 TYP. FOUNDATION @ DOOR

1 1/2" = 1'-0"

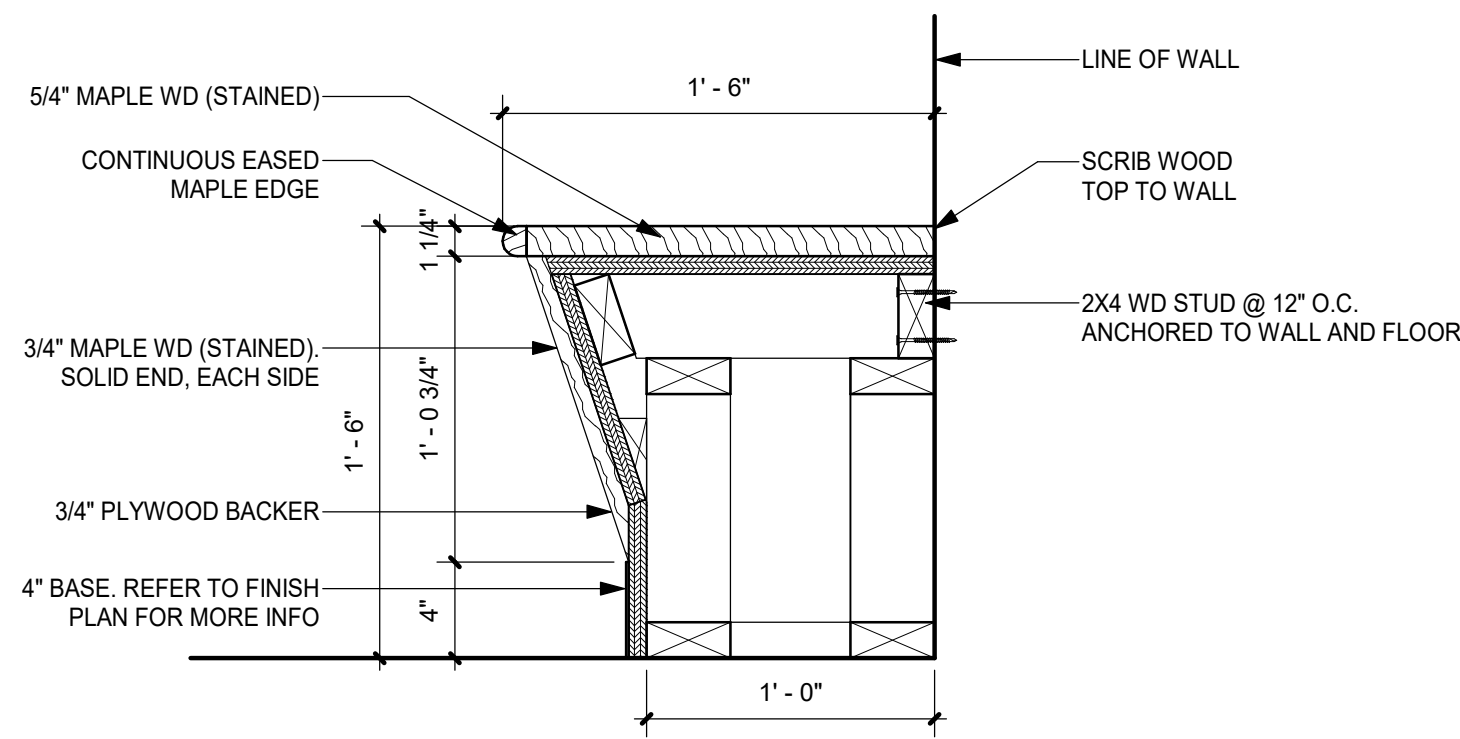
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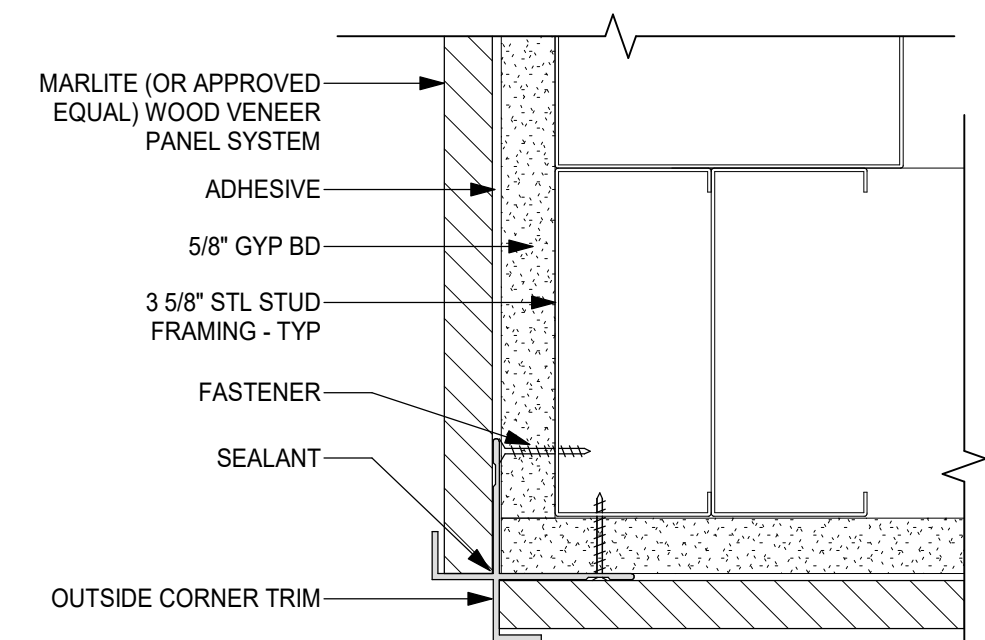
10 SECTION @ COUNTER
1" = 1'-0"



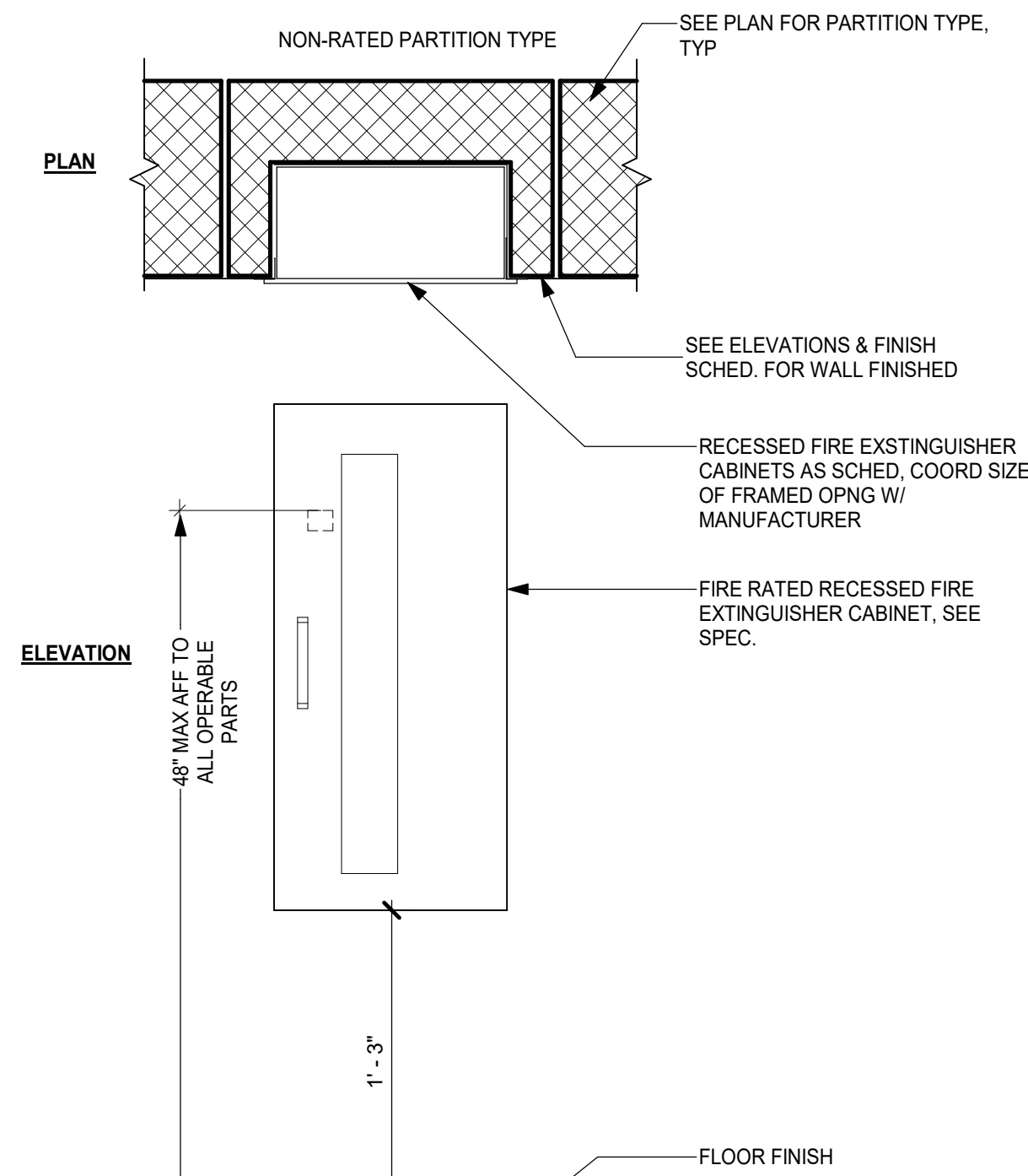
9 SECURITY DESK DETAIL
1" = 1'-0"



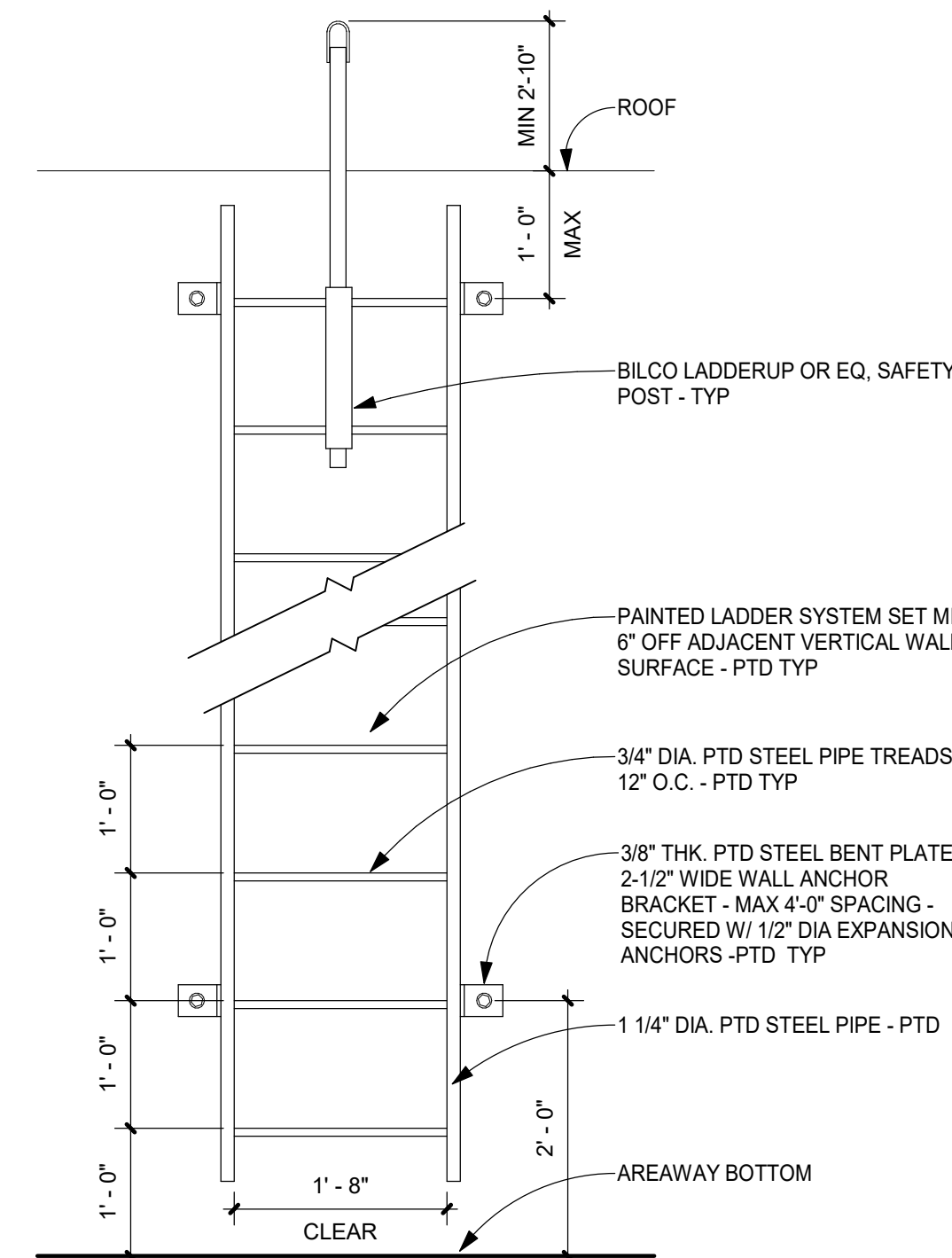
8 BUILT-IN BENCH DETAIL
1 1/2" = 1'-0"



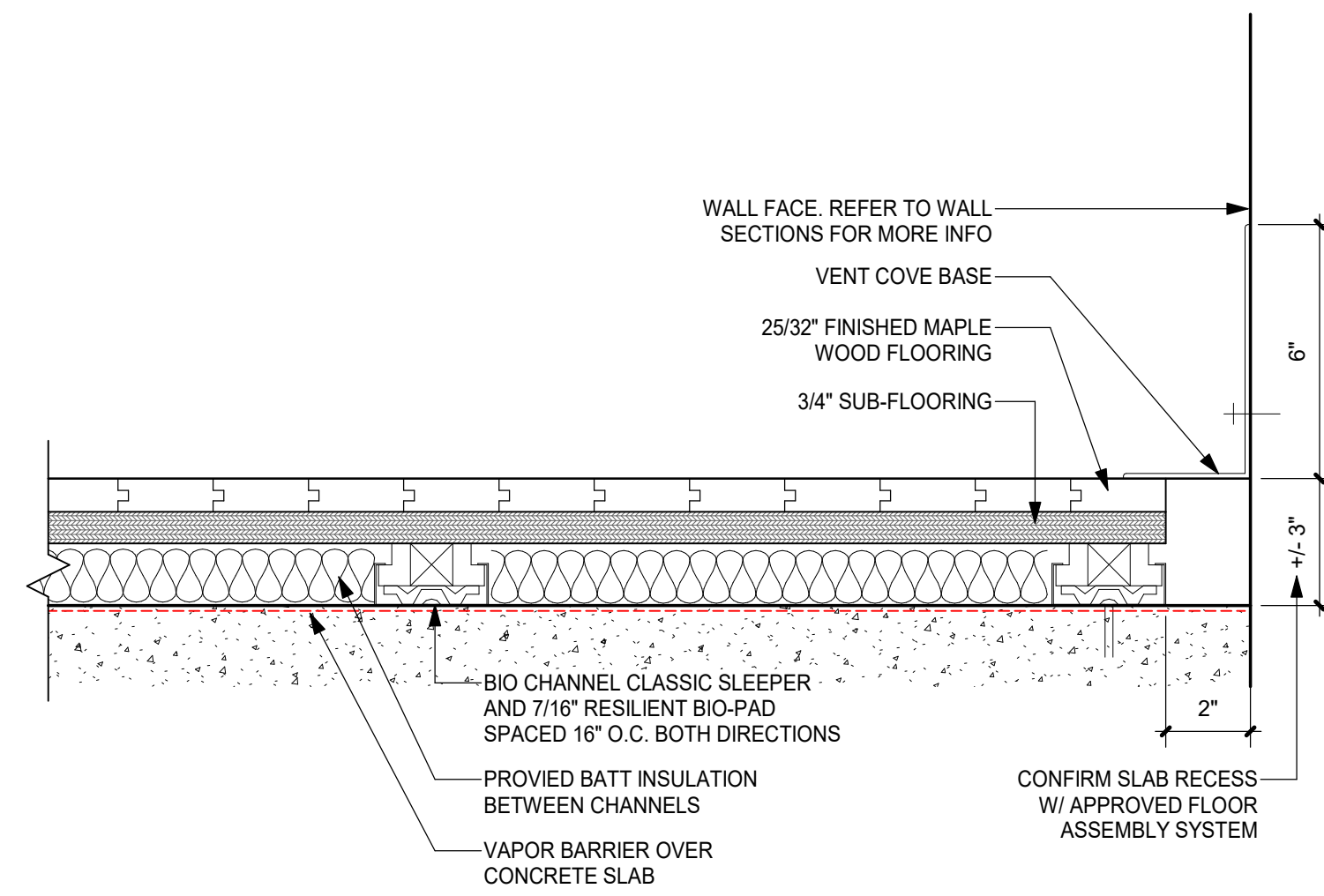
7 WALL PANEL DETAIL
6" = 1'-0"



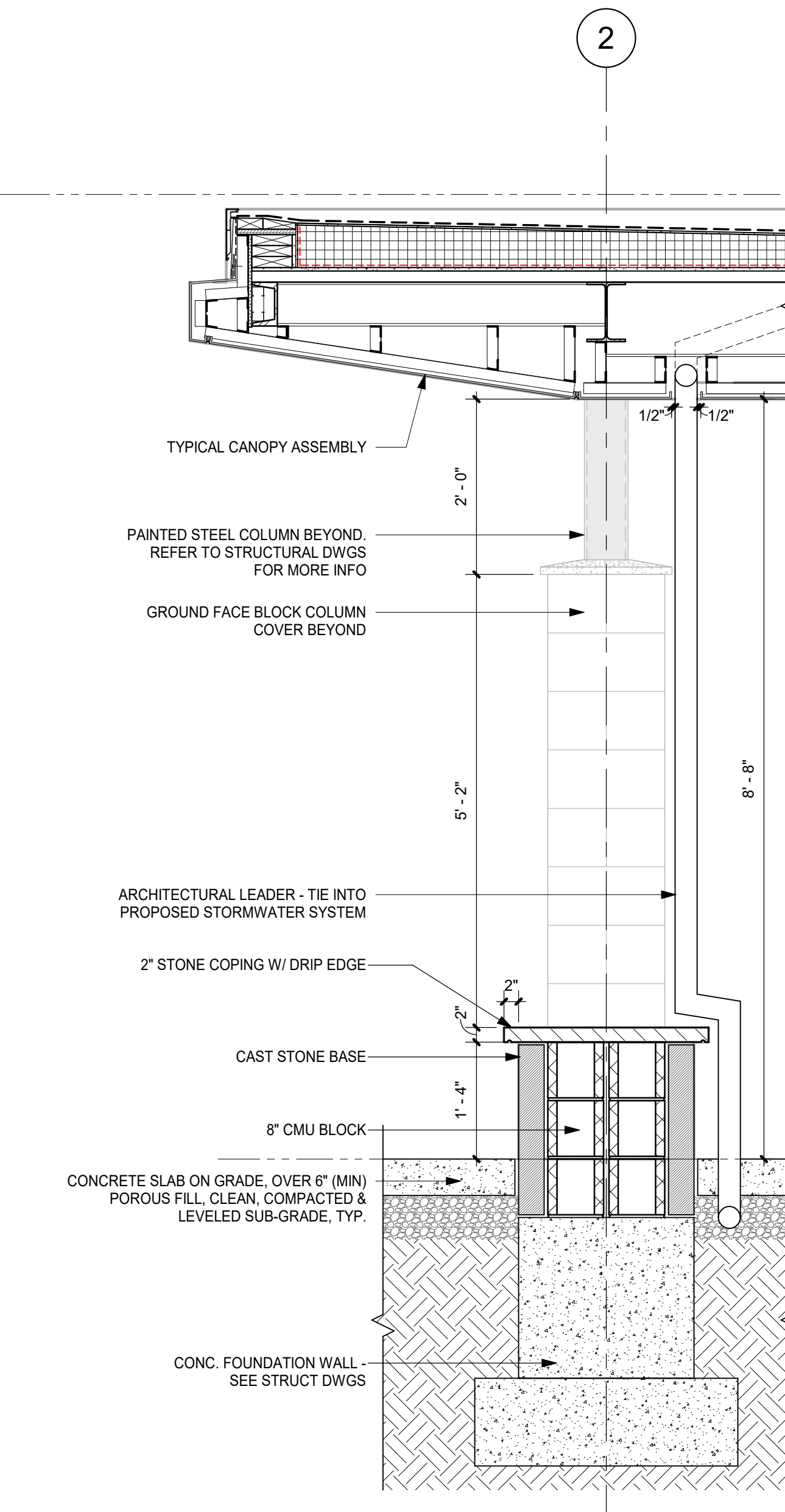
6 FIRE EXTINGUISHER DETAIL
1 1/2" = 1'-0"



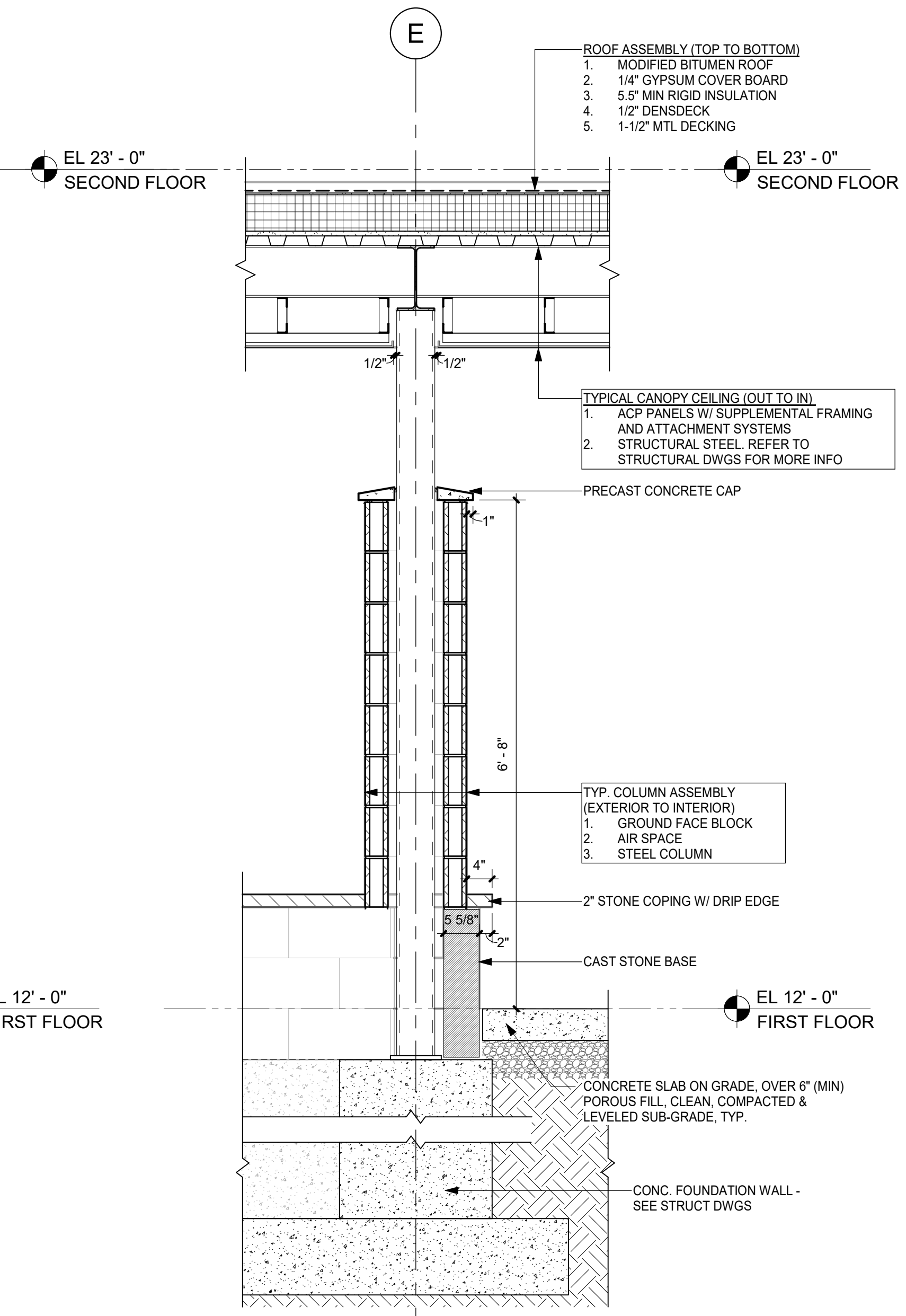
5 ROOF LADDER DETAIL
3/4" = 1'-0"



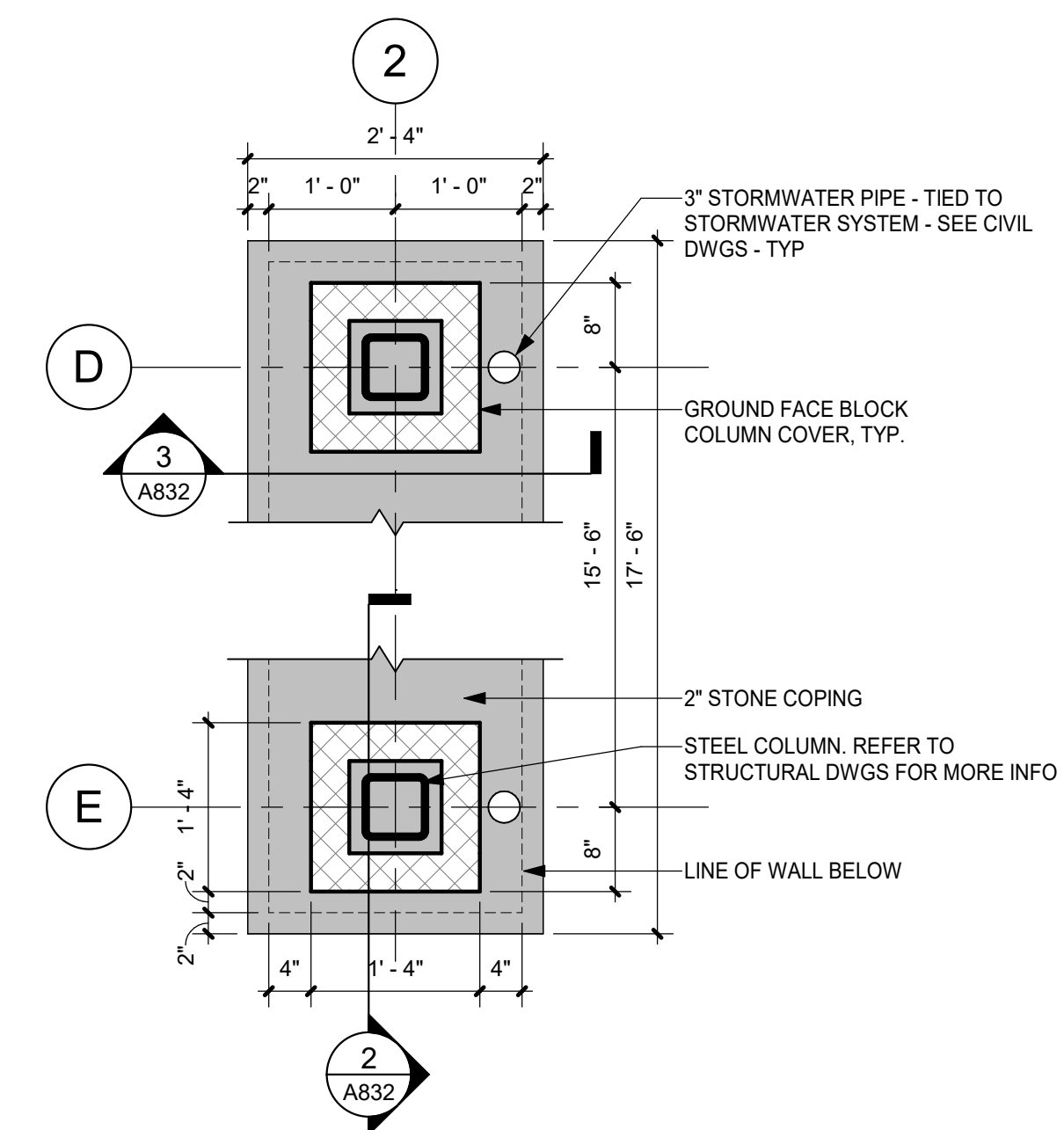
4 TYP. GYMNASIUM FLOORING ASSEMBLY
3" = 1'-0"



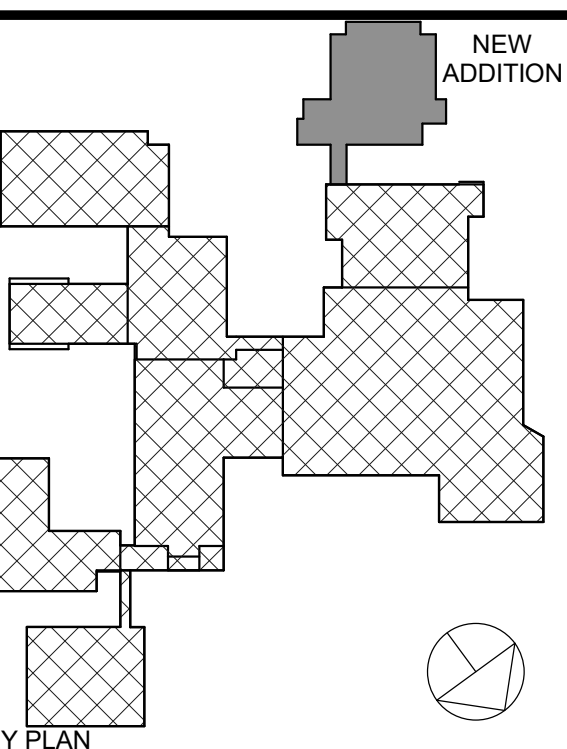
3 OUTDOOR BENCH DETAIL
3/4" = 1'-0"



2 OUTDOOR BENCH & COLUMN DETAIL
3/4" = 1'-0"



1 OUTDOOR BUILT-IN BENCH PLAN
3/4" = 1'-0"



KEY PLAN

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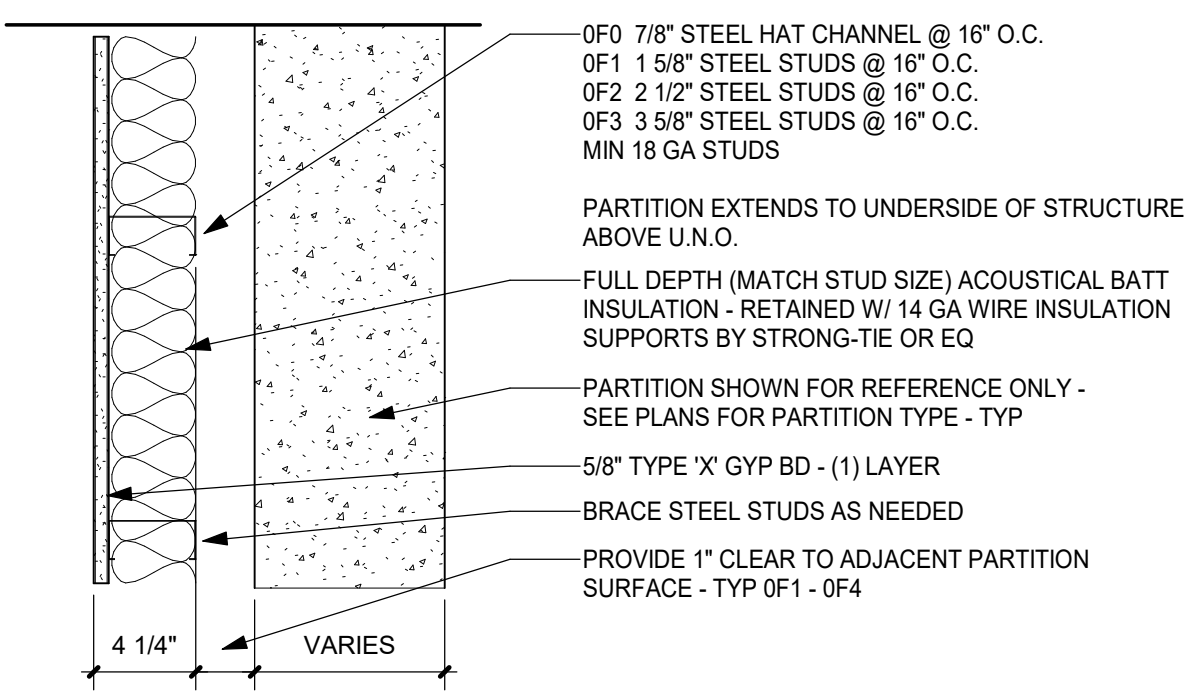
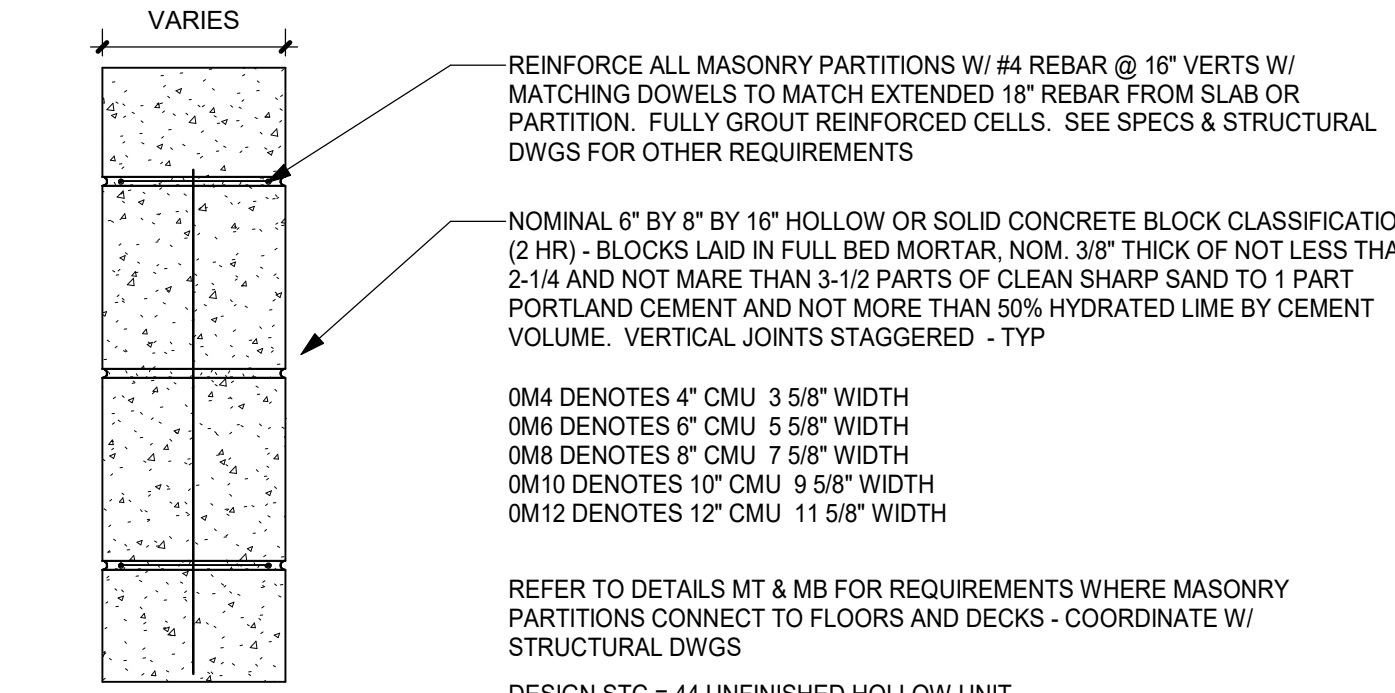

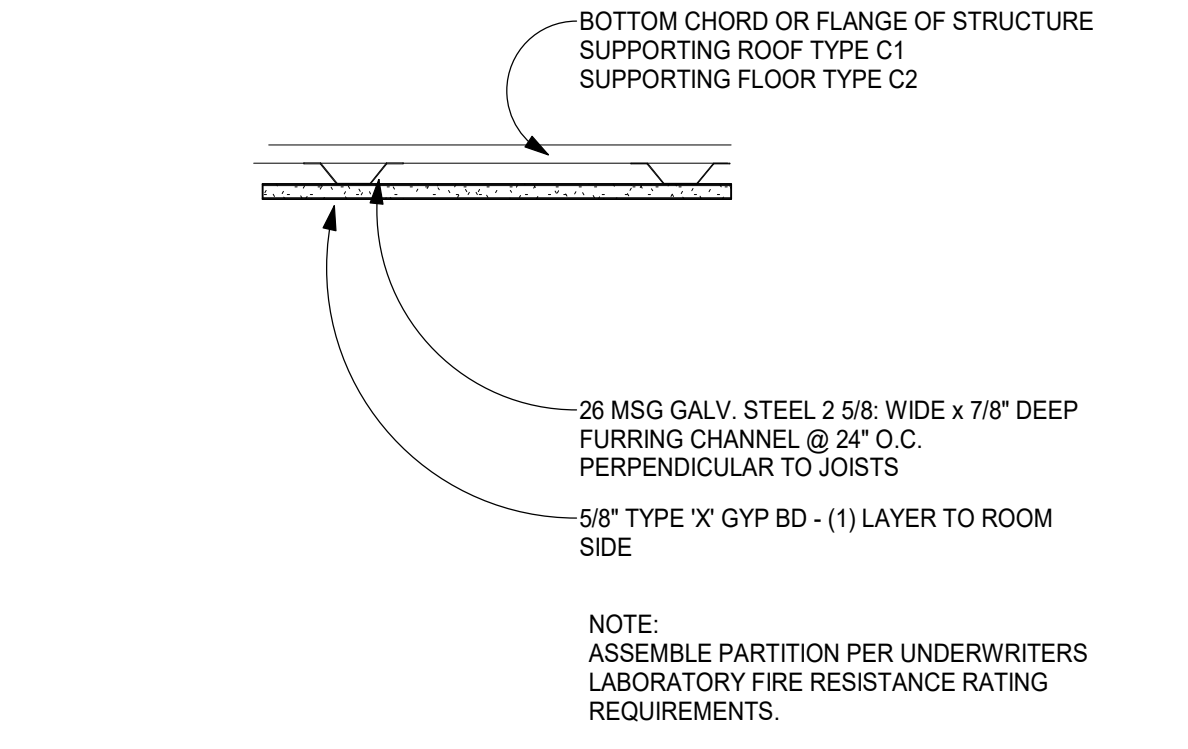
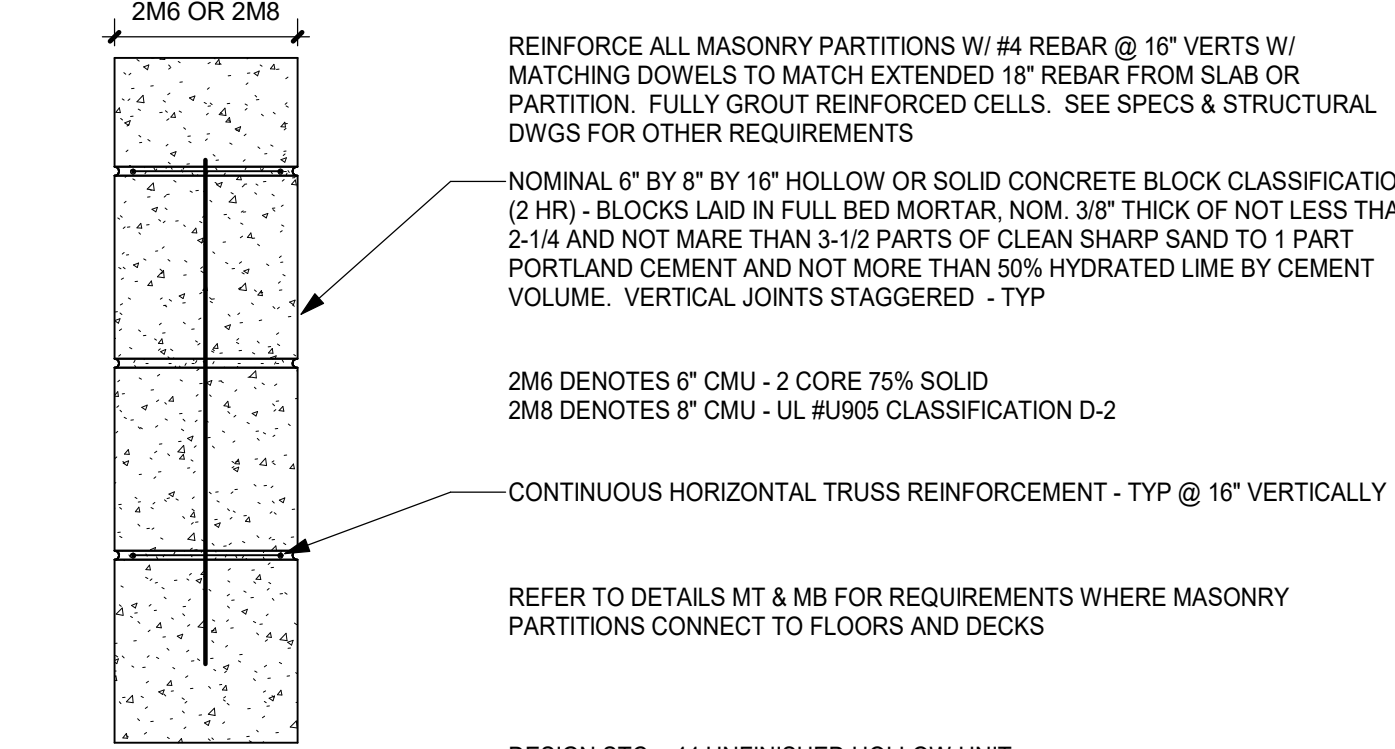
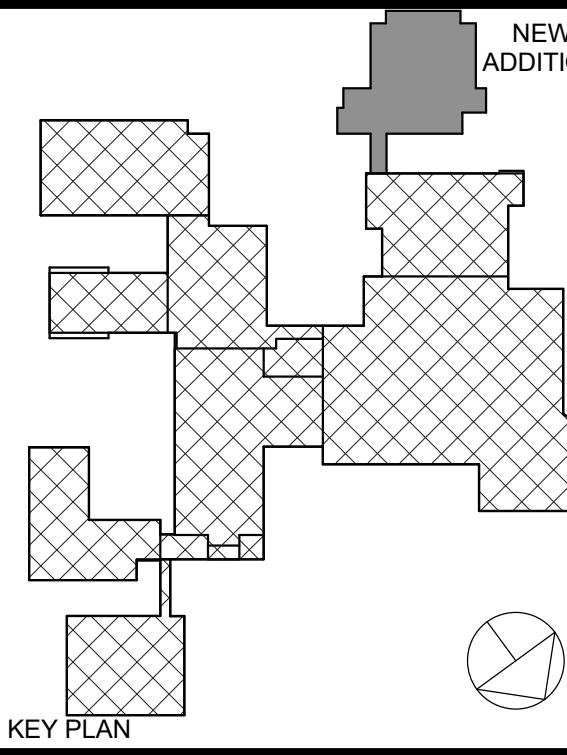
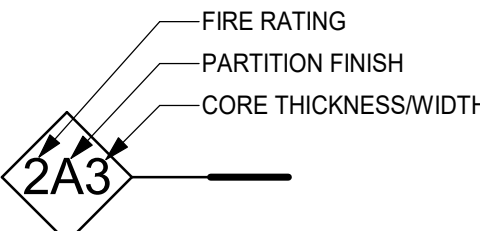
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MISCELLANEOUS
DETAILS

Sheet Number

	<div>SPECIALTY PARTITIONS</div> <div><p>0F0 7/8" STEEL HAT CHANNEL @ 16" O.C. 0F1 1 5/8" STEEL STUDS @ 16" O.C. 0F2 2 1/2" STEEL STUDS @ 16" O.C. 0F3 3 5/8" STEEL STUDS @ 16" O.C. MIN 18 GA STUDS</p><p>PARTITION EXTENDS TO UNDERSIDE OF STRUCTURE ABOVE U.N.O.</p><p>FULL DEPTH (MATCH STUD SIZE) ACOUSTICAL BATT INSULATION - RETAINED W/ 14 GA WIRE INSULATION SUPPORTS BY STRONG-TIE OR EQ</p><p>PARTITION SHOWN FOR REFERENCE ONLY - SEE PLANS FOR PARTITION TYPE - TYP</p><p>5/8" TYPE 'X' GYP BD - (1) LAYER</p><p>BRACE STEEL STUDS AS NEEDED</p><p>PROVIDE 1" CLEAR TO ADJACENT PARTITION SURFACE - TYP 0F1 - 0F4</p><p>4 1/4" VARIES</p><p>0FX NON-RATED FURRING PARTITION</p></div>	<div>MASONRY PARTITIONS</div> <div><p>VARIES</p><p>REINFORCE ALL MASONRY PARTITIONS W/ #4 REBAR @ 16" VERTS W/ MATCHING DOWELS TO MATCH EXTENDED 18" REBAR FROM SLAB OR PARTITION. FULLY GROUT REINFORCED CELLS. SEE SPECS & STRUCTURAL DWGS FOR OTHER REQUIREMENTS</p><p>NOMINAL 6" BY 8" BY 16" HOLLOW OR SOLID CONCRETE BLOCK CLASSIFICATION (2 HR) - BLOCKS LAID IN FULL BED MORTAR, NOM. 3/8" THICK OF NOT LESS THAN 2-1/4 AND NOT MORE THAN 3-1/2 PARTS OF CLEAN SHARP SAND TO 1 PART PORTLAND CEMENT AND NOT MORE THAN 50% HYDRATED LIME BY CEMENT VOLUME. VERTICAL JOINTS STAGGERED - TYP</p><p>0M4 DENOTES 4" CMU 3 5/8" WIDTH 0M6 DENOTES 6" CMU 5 5/8" WIDTH 0M8 DENOTES 8" CMU 7 5/8" WIDTH 0M10 DENOTES 10" CMU 9 5/8" WIDTH 0M12 DENOTES 12" CMU 11 5/8" WIDTH</p><p>REFER TO DETAILS MT & MB FOR REQUIREMENTS WHERE MASONRY PARTITIONS CONNECT TO FLOORS AND DECKS - COORDINATE W/ STRUCTURAL DWGS</p><p>DESIGN STC = 44 UNFINISHED HOLLOW UNIT DESIGN STC = 59 W/ 0F2 FURRING PARTITION BOTH SIDES</p><p>0MX NON-RATED CMU PARTITION</p></div>	<div>METAL STUD CORRIDOR PARTITIONS</div>	<div>METAL STUD PARTITIONS</div>	<div>ORANGE-ULSTER BOCES</div> <div>ARDEN HILL - MAIN BUILDING ADDITIONS AND ALTERATIONS 4 HARRIMAN DRIVE GOSHEN, NY 10924</div> <div> listen imagine build</div> <div>KG+D . ARCHITECTS PC 285 MAIN STREET MOUNT KISCO, NEW YORK, 10549 P:914.666.5900 KGDARCHITECTS.COM</div>																	
	<div><p>BOTTOM CHORD OR FLANGE OF STRUCTURE SUPPORTING ROOF TYPE C1 SUPPORTING FLOOR TYPE C2</p><p>26 MSG GALV. STEEL 2 5/8" WIDE x 7/8" DEEP FURRING CHANNEL @ 24" O.C. PERPENDICULAR TO JOISTS</p><p>5/8" TYPE 'X' GYP BD - (1) LAYER TO ROOM SIDE</p><p>NOTE: ASSEMBLE PARTITION PER UNDERWRITERS LABORATORY FIRE RESISTANCE RATING REQUIREMENTS.</p><p>C1 1 hr - RATED ROOF/CEILING (UL # P519) C2 1 hr - RATED FLOOR/CEILING (UL # G515)</p></div>	<div><p>2M6 OR 2M8</p><p>REINFORCE ALL MASONRY PARTITIONS W/ #4 REBAR @ 16" VERTS W/ MATCHING DOWELS TO MATCH EXTENDED 18" REBAR FROM SLAB OR PARTITION. FULLY GROUT REINFORCED CELLS. SEE SPECS & STRUCTURAL DWGS FOR OTHER REQUIREMENTS</p><p>NOMINAL 6" BY 8" BY 16" HOLLOW OR SOLID CONCRETE BLOCK CLASSIFICATION (2 HR) - BLOCKS LAID IN FULL BED MORTAR, NOM. 3/8" THICK OF NOT LESS THAN 2-1/4 AND NOT MORE THAN 3-1/2 PARTS OF CLEAN SHARP SAND TO 1 PART PORTLAND CEMENT AND NOT MORE THAN 50% HYDRATED LIME BY CEMENT VOLUME. VERTICAL JOINTS STAGGERED - TYP</p><p>2M6 DENOTES 6" CMU - 2 CORE 75% SOLID 2M8 DENOTES 8" CMU - UL #U905 CLASSIFICATION D-2</p><p>CONTINUOUS HORIZONTAL TRUSS REINFORCEMENT - TYP @ 16" VERTICALLY</p><p>REFER TO DETAILS MT & MB FOR REQUIREMENTS WHERE MASONRY PARTITIONS CONNECT TO FLOORS AND DECKS</p><p>DESIGN STC = 44 UNFINISHED HOLLOW UNIT DESIGN STC = 59 W/ 0F2 FURRING PARTITION BOTH SIDES</p><p>2MX 2 HR FIRE RESISTIVE CMU PARTITION - UL #U906</p></div>			<div>NY SED PROJECT CONTROL NO.# 44-90-00-00-0-035-010</div> <div>ISSUED FOR BID</div>																	
					<div>2hr RATED PARTITIONS</div> <div><p>NEW ADDITION</p><p>KEY PLAN</p><p>NOTE: ALL LEGAL DESIGN ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF ARCHITECT. NO PART OF THIS DRAWING SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF KG&D.</p><p>WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER UNWRITTEN DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.</p><p>ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED ARCHITECT, ENGINEER, PROFESSIONAL SEAL, OR ARCHITECT, IS A VIOLATION OF TITLE 16, SECT. 46.01 OF NEW YORK STATE LAW.</p><p>COPYRIGHT 2024 KG&D - GARDNER ARCHITECTS & ENGINEERS, PC. ALL RIGHTS RESERVED.</p><p>Professional Seal</p><table><tr><td>2</td><td>01/09/2025</td><td>ISSUED FOR BID</td></tr><tr><td>1</td><td>01/26/2024</td><td>SED SUBMISSION</td></tr><tr><td>1</td><td></td><td>Date Issue</td></tr></table><p>Sheet Title</p><p>PARTITION TYPES</p><table><tr><td>Job No.</td><td>2023-1012</td><td>Date</td><td>01/26/2024</td></tr><tr><td>Scale</td><td></td><td>Drawn / Checked</td><td>Author / Checker</td></tr></table><p>Sheet Number</p><p>A901</p></div>	2	01/09/2025	ISSUED FOR BID	1	01/26/2024	SED SUBMISSION	1		Date Issue	Job No.	2023-1012	Date	01/26/2024	Scale		Drawn / Checked	Author / Checker
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Job No.	2023-1012	Date	01/26/2024																			
Scale		Drawn / Checked	Author / Checker																			
<div>PARTITION CONSTRUCTION NOTES</div> <div>1. PARTITION TYPES DESIGNATED WITH '48" ADJACENT TO PARTITION TYPE SYMBOL SHALL TERMINATE AT 48" ABOVE FINISHED FLOOR. PROVIDE STEEL TUBE, ANGLE OR HEAVY GAUGE STUDS INSIDE THE PARTITION, AS REQUIRED TO MEET PARTITION DEFLECTION CRITERIA.</div> <div>2. PROVIDE DEFLECTION TRACK AT TOP OF ALL PARTITIONS THAT EXTEND TO STRUCTURE ABOVE. (TYPICAL). PROVIDE FIRE-RATED DEFLECTION TRACK SYSTEM AT TOP OF ALL FIRE-RATED PARTITIONS. (TYPICAL). SEE DETAIL H1 ON THIS SHEET.</div> <div>3. SEE SPECIFICATIONS FOR FIRESTOPPING REQUIREMENTS.</div> <div>4. WHERE ACOUSTICAL BATT INSULATION IS USED IN PARTITIONS: SEAL AIRTIGHT W/ NON-HARDENING ACOUSTICAL SEALANT AT TOP, BOTTOM & SIDES. PARTITION MOUNTED ELECTRICAL BOXES SHOULD BE OFFSET MIN 24" (NOT BACK TO BACK) W/ PERIMETER OF BOXES SEALED AIR-TIGHT W/ NON-HARDENING ACOUSTICAL PUTTY PADS. PIPE & DUCT PENETRATIONS SHALL BE SLEEVED, PACKED W/ 10lb. DENSITY CLOSED CELL FOAM, & SEALED TO PARTITION W/ NON-HARDENING ACOUSTICAL SEALANT. FIRE RATED PARTITIONS TO RECEIVE FIRE RATED PUTTY PADS - TYP</div> <div>5. PROVIDE 'INSULHOLD' HANGERS OR EQ BATT RETAINING CLIPS HORIZONTALLY @ MAX 48" SPACING PER MFG SPECS IN ALL SINGLE SIDED (GYP BD) FURRING PARTITIONS.</div> <div>6. COORDINATE REQUIRED STUD GAUGE WITH STRUCTURAL DRAWINGS - TYP</div> <div>7. WHEN (2) LAYERS OF TYPE 'X' GYP BD ARE REQUIRED, ONLY OUTER LAYER TO BE 5/8" THK ABUSE RESISTANT TYPE.</div> <div>8. REFER TO SPECIFICATIONS AND MANUFACTURER RECOMMENDATIONS FOR ENVIRONMENTAL CONDITIONS REQUIRED FOR STORAGE AND INSTALLATION OF GYPSUM PARTITION BOARD PRODUCTS. PRODUCTS IMPROPERLY STORED OR INSTALLED WITHOUT INDOOR ENVIRONMENTAL CONTROL MAY BE REJECTED.</div> <div>9. SEE SPECIFICATIONS FOR FINISH REQUIREMENTS OF GYP BD AT WET AREAS. USE TILE BACKER BOARD (CEMENT BOARD) FOR ALL TILED AREAS. GREEN BOARD &/OR BLUE BOARD ARE PROHIBITED FROM USE ON THIS PROJECT.</div> <div>10. ASSEMBLE ALL RATED PARTITION TYPES PER UNDERWRITERS LABORATORY FIRE RESISTANCE RATING REQUIREMENTS.</div> <div>11. METALLIC BOXES LOCATED ON OPPOSITE SIDES OF PARTITIONS OR PARTITIONS SHOULD BE SEPARATED BY A MINIMUM HORIZONTAL DISTANCE OF 24 IN. THIS MINIMUM SEPARATION DISTANCE BETWEEN METALLIC BOXES MAY BE REDUCED WHEN WALL-OPENING PROTECTIVE MATERIALS (CLIV) ARE INSTALLED ACCORDING TO THE REQUIREMENTS OF THEIR CERTIFICATION.</div> <div>12. METALLIC BOXES SHALL NOT BE INSTALLED ON OPPOSITE SIDE OF PARTITIONS OR PARTITIONS OF STAGGERED STUD CONSTRUCTION UNLESS WALL-OPENING PROTECTIVE MATERIALS ARE INSTALLED WITH THE METALLIC BOXES IN ACCORDANCE WITH CERTIFICATION REQUIREMENTS FOR THE PROTECTIVE MATERIALS.</div>																						
<div>PARTITION TAG NAMING MATRIX</div> <div>1st NUMBER = FIRE RATING</div> <div>0 = NON-RATED PARTITION TYPE 1 = 1 HR FIRE RATED PARTITION TYPE 2 = 2 HR FIRE RATED PARTITION TYPE</div> <div>2nd NUMBER = PARTITION FINISH</div> <div>A = GYPSUM BOARD - BOTH SIDES B = CEMENTITIOUS BOARD - 1 OR BOTH SIDES C = ABUSE RESISTANT BOARD - 1 OR BOTH SIDES F = FURRING PARTITION M = MASONRY PARTITION - CMU P = PLUMBING CHASE S = SHAFT PARTITION</div> <div>3rd NUMBER = PARTITION CORE THICKNESS / WIDTH</div> <div>0 = 7/8" HAT CHANNEL 1 = 1-5/8" STUD 2 = 2-1/2" STUD 3 = 3-5/8" STUD OR 4" CMU BLOCK 4 = 4" STUD 6 = 6" STUD OR 5-5/8" CMU BLOCK 8 = 8" STUD OR 7-5/8" CMU BLOCK 10 = 10" STUD OR 9-5/8" CMU BLOCK 12 = 12" STUD ORT 11-5/8" CMU BLOCK</div> <div></div>																						

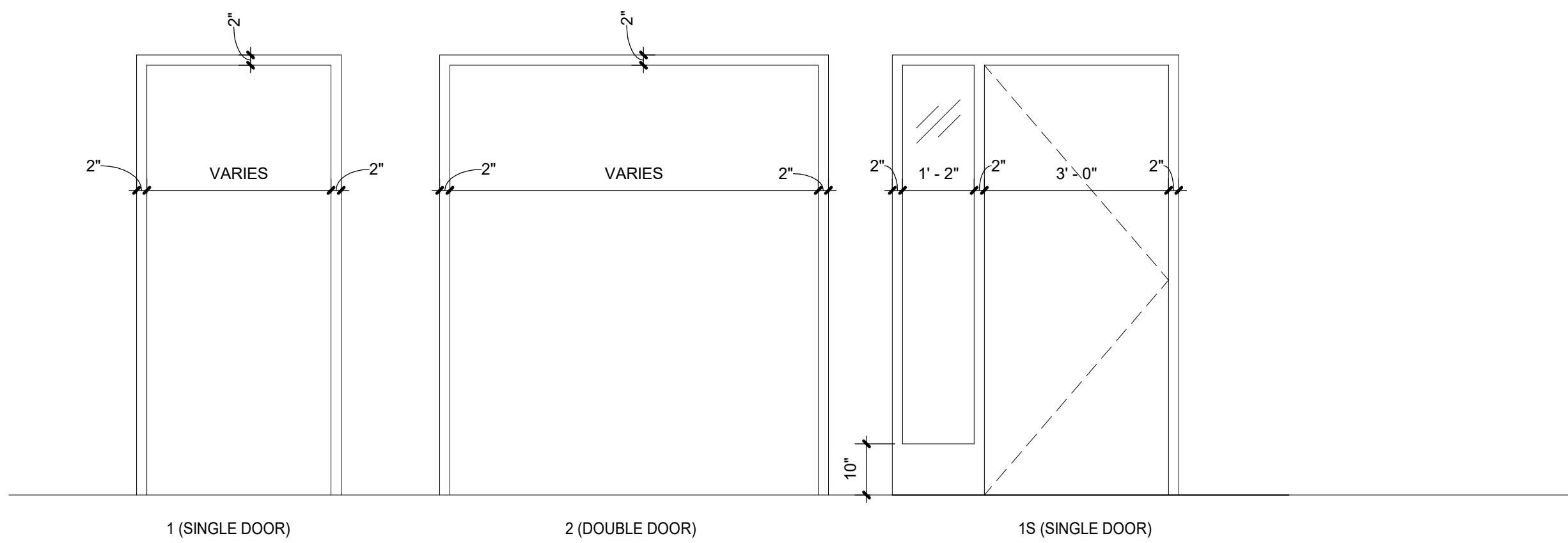
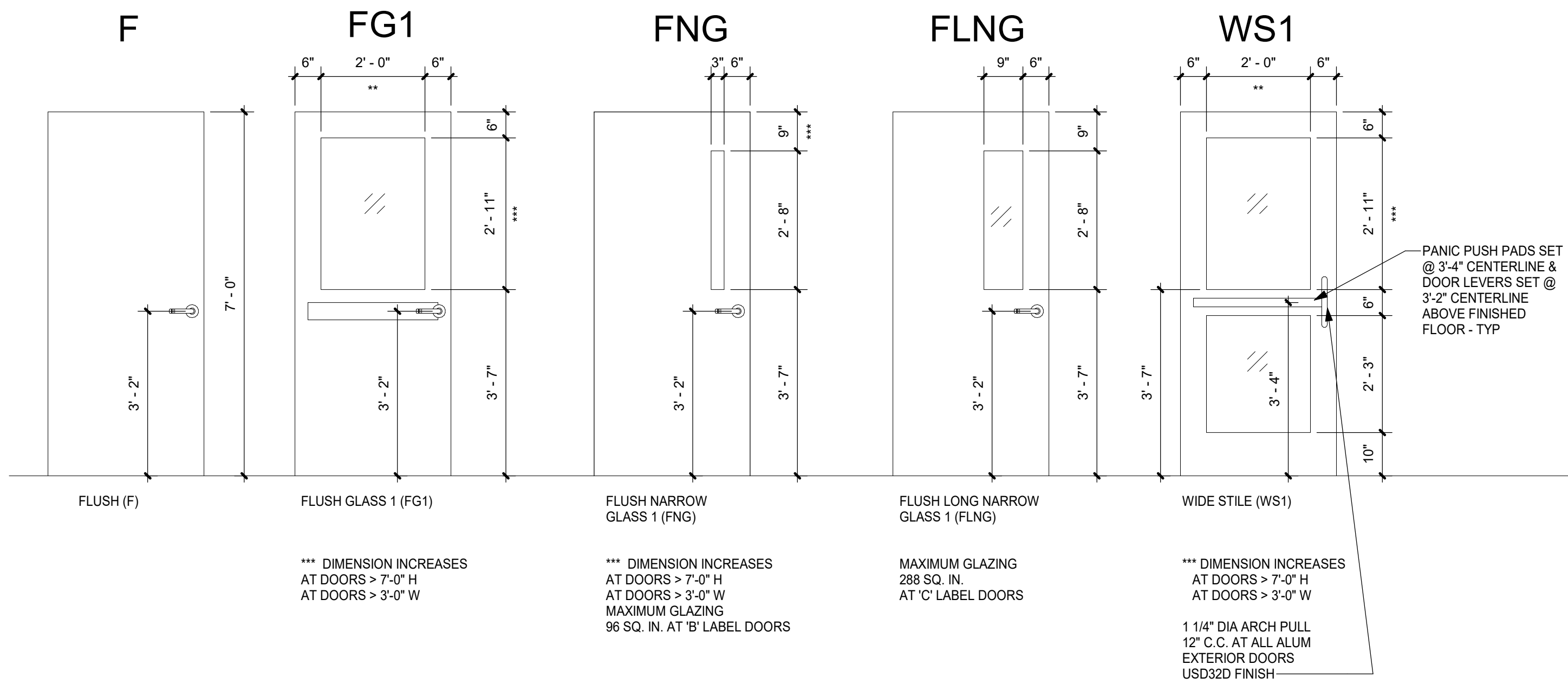


CHART OF DOOR RATINGS & UL LABEL

UL LABEL	RATING	RATING	MAX GLASS AREA
B	1 1/2 HR	90 MIN	100 SQ INCHES PER LEAF
C	3/4 HR	45 MIN	1296 SQ INCHES PER LEAF
S	SMOKE	SMOKE	

NOTE: GLAZING AND GLASS SIZES FOR INTERIOR DOORS AND WINDOWS ARE TO COMPLY WITH NFPA 80 OR ASTM E119 - TYP.



DOOR FINISH SCHEDULE ABBREV.

AL ALUMINUM
CL CLASSROOM
CS CORRIDOR, SMOKE, & FIRE
DOORS (RATED)
EX EXTERIOR, ALUMINUM
EX EXISTING

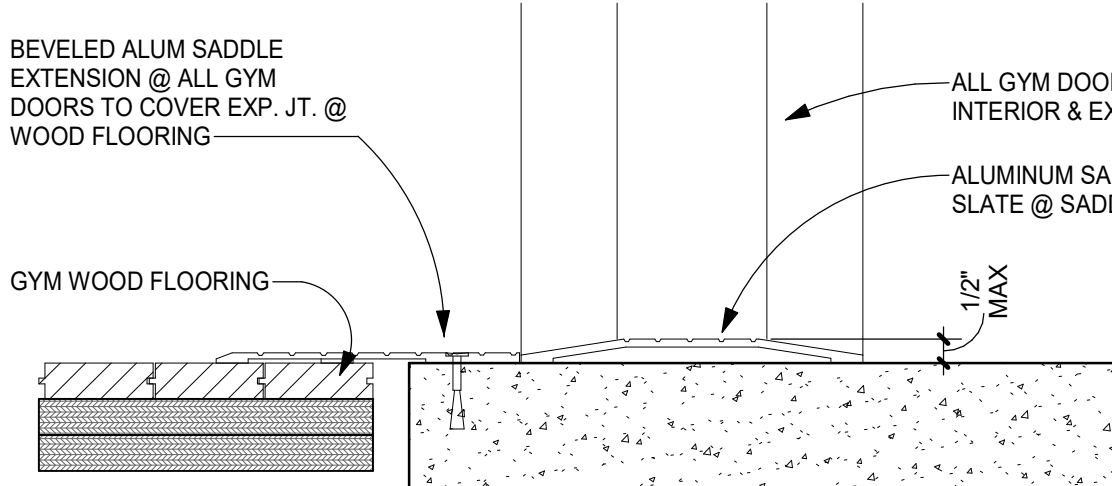
F FLUSH FLOOR
FF FACTORY FINISH
FRP FIBERGLASS REINFORCE PANEL
FP FLAT PANEL
FG1 FLUSH DOOR GLASS
FLNG FLUSH LONG NARROW GLASS

FNG FLUSH NARROW GLASS
HM HOLLOW METAL
NA1 NANA WALL OR EQ
ML MARBLE
OF OUTSIDE FACE
PTD PAINTED

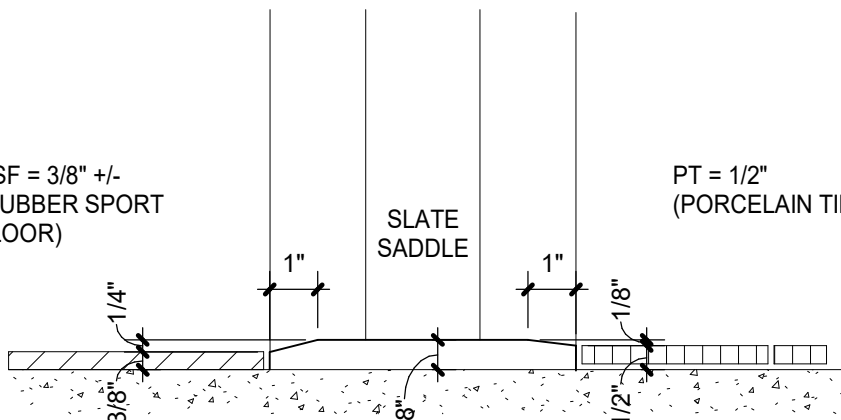
SA SECURE ACCESS
SE SECURE
SGG SCHOOL GUARD GLASS
SL SLATE
SS STAINLESS STEEL
ST STAIN & SEAL

SW STAIRWAY DOOR
TM TOILET, MULTUSER
TS TOILET, SINGLE USER
WD WOOD
WS1 WIDE STILE

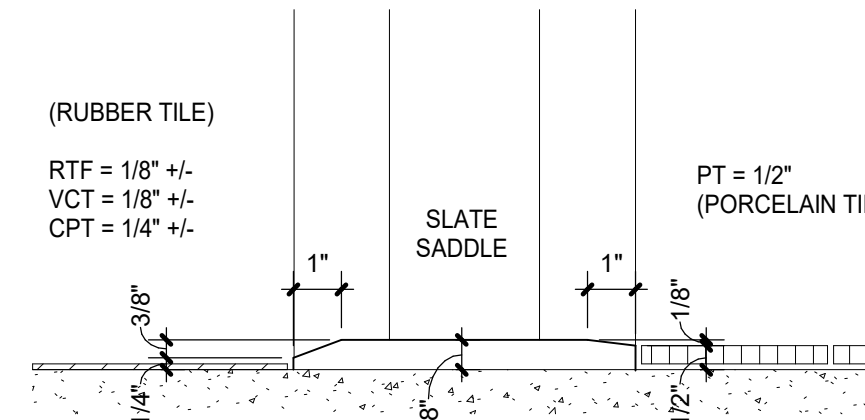
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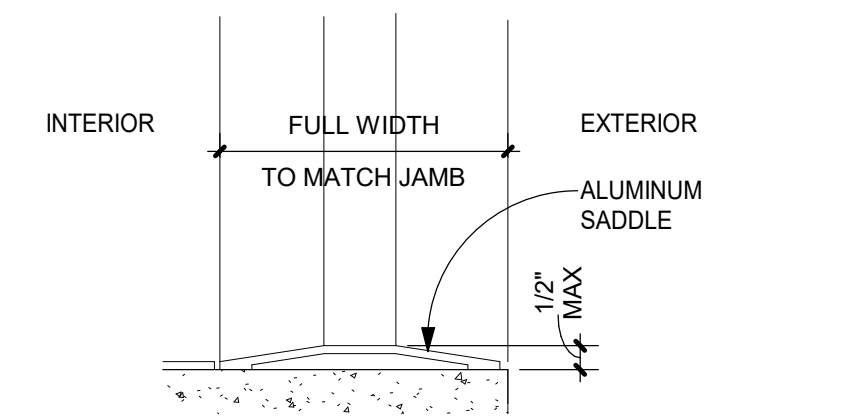
4D SADDLE DETAIL @ GYM DOORS
SCALE 3" = 1'-0"



4C SADDLE DETAIL
SCALE 3" = 1'-0"



4B SADDLE DETAIL
SCALE 3" = 1'-0"



4A TYPICAL EXTERIOR SADDLE
SCALE 3" = 1'-0"

ORANGE-ULSTER BOCES

**ARDEN HILL -
MAIN BUILDING
ADDITIONS AND
ALTERATIONS**
4 HARRIMAN DRIVE
GOSHEN, NY 10924

KG+D listen
imagine
build

KG+D . ARCHITECTS PC
385 MAIN STREET MOUNT KISCO, NEW YORK, 10549
P: 914.666.5900 KGDARCHITECTS.COM

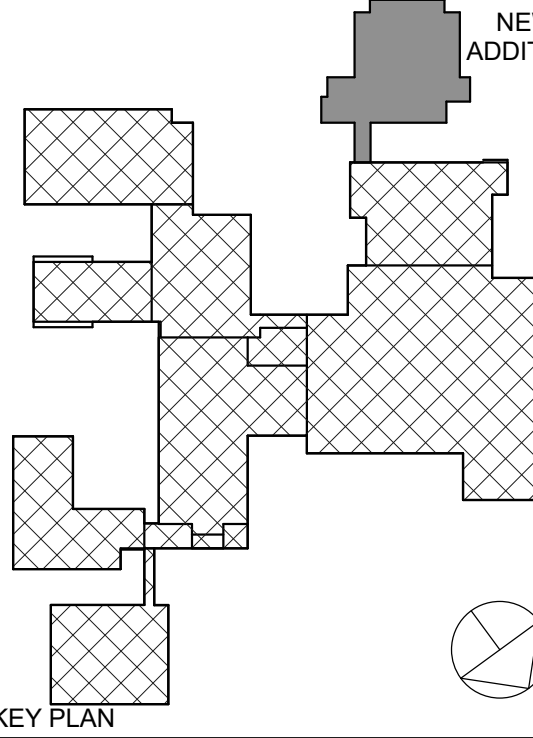
NY SED PROJECT CONTROL NO. #

44-90-00-00-0-035-010

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**GENERAL NOTES
DOORS**

- GLAZING IN FIRE RATED DOORS SHALL BE FIRELITE PLUS TO MEET THE FIRE RATING SCHEDULED. UNLESS NOTED OTHERWISE, G.C. SHALL VERIFY SIZE OF REPLACEMENT DOORS & FRAMES IN THE EXISTING BUILDING BEFORE ORDERING.
- SEE SPEC. SECTION 08 71 00 FOR DOOR HARDWARE SETS, HARDWARE NOTES, COMPONENTS & OTHER INFORMATION.
- EXTERIOR DOOR SYSTEMS SHALL BE FULLY PERIMETER CAULKED TO ADJACENT FINISHED SURFACES, BOTH INTERIOR & EXTERIOR - TYP.
- EXTERIOR DOOR PAIRS SHALL HAVE AN ALUMINUM KEYS REMOVABLE MULLION WITH RIM CYLINDER EXIT DEVICE W/KEYED CYLINDER DOGGING.
- INTERIOR DOOR PAIRS SHALL HAVE AN HOLLOW METAL KEYS REMOVABLE MULLION WITH RIM CYLINDER EXIT DEVICE W/KEYED CYLINDER DOGGING. EXCEPTION IS CROSS-CORRIDOR DOOR PAIRS & DOORS INTO STAIRS.
- FRP DOORS SHALL HAVE SUITABLE BLOCKING FOR LEVER OR ARCHITECTURAL PULLS. RECESSED DOOR PULL NOT ACCEPTABLE.
- FACE OF ADJACENT WALL TO EDGE OF DOOR FRAME IS 4" (TYPICAL) U.N.O. SEE DETAILS A & B ON ADDS.
- ALL LITES WITHIN EXTERIOR DOORS TO BE SECURITY GLAZING (SCHOOL GUARD OR EQ.)



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No.	Date	Issue
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1	01/26/2024	SED SUBMISSION

Sheet Title

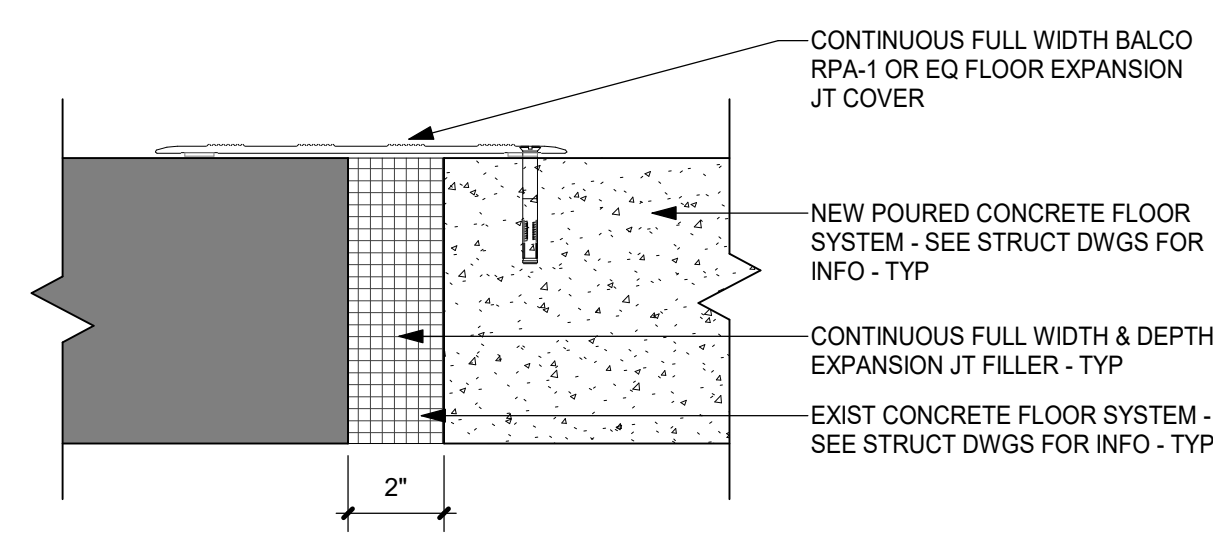
**DOOR SCHEDULES,
DOOR TYPES &
DETAILS**

Job No. 2023-1012 Date 01/26/2024

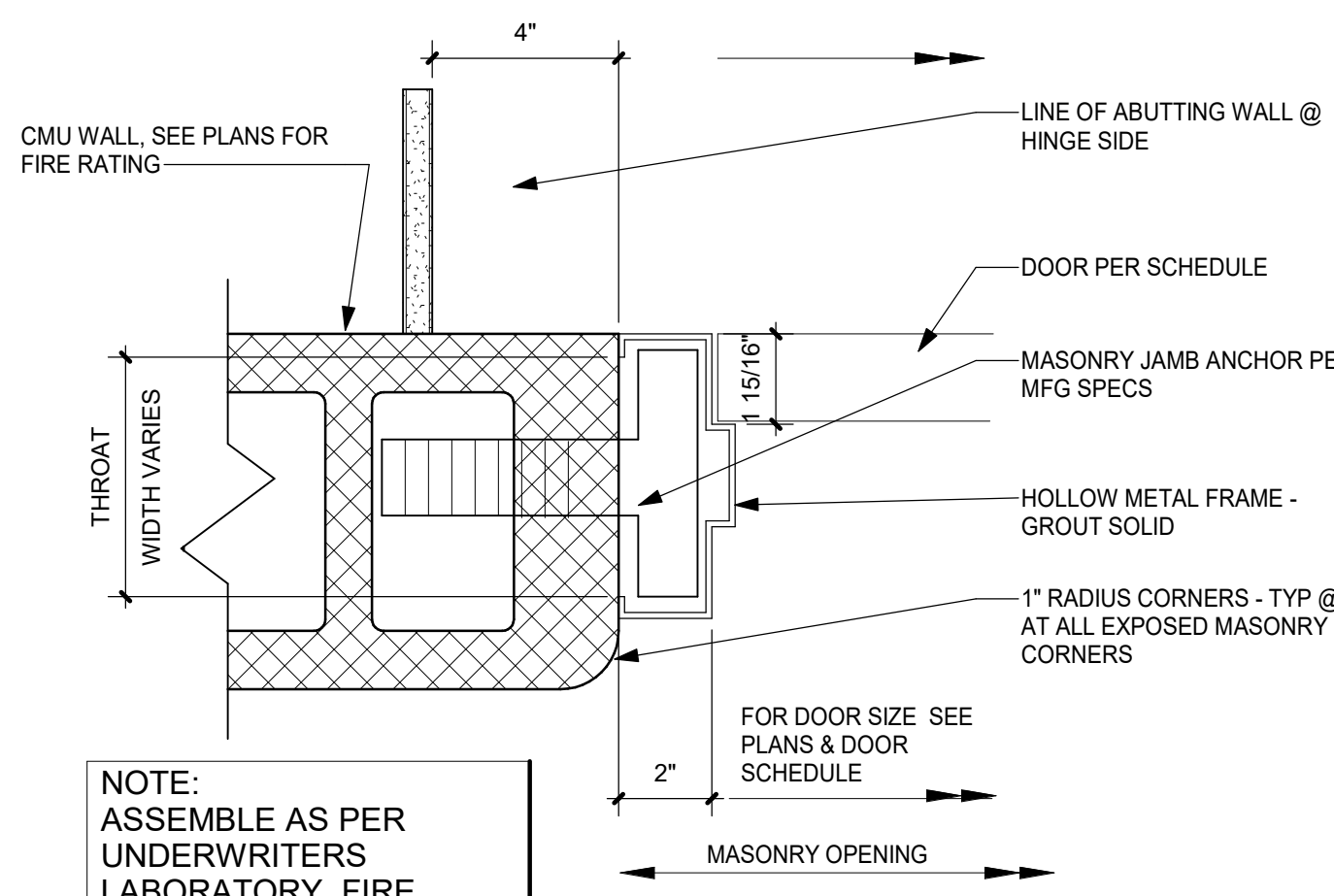
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Sheet Number

A902

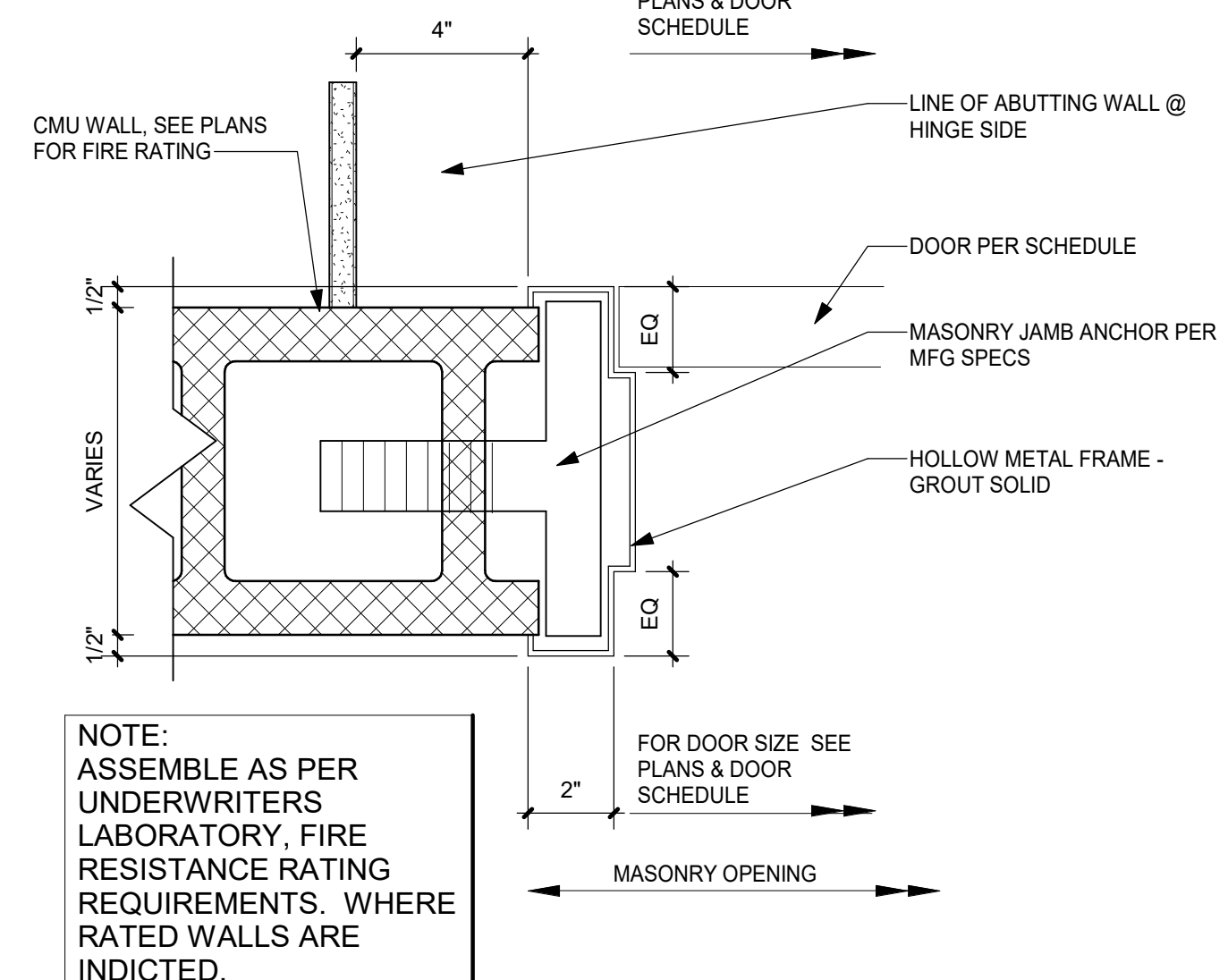


4 FLOOR EXPANSION JOINT
3" = 1'-0"

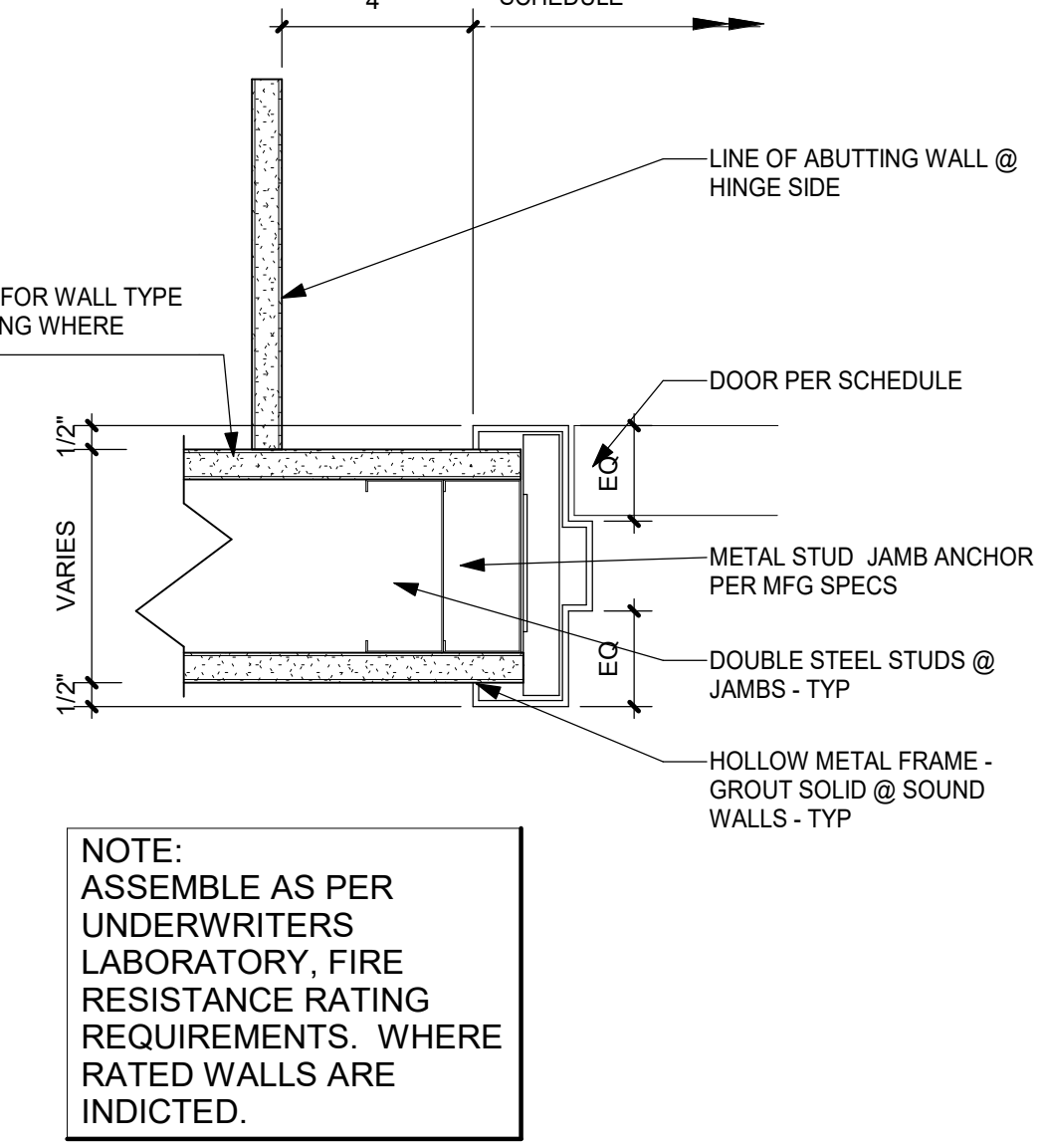


C DOOR JAMB AT CMU WALL
SCALE 3" = 1'-0"

2 JAMB DETAILS
3" = 1'-0"

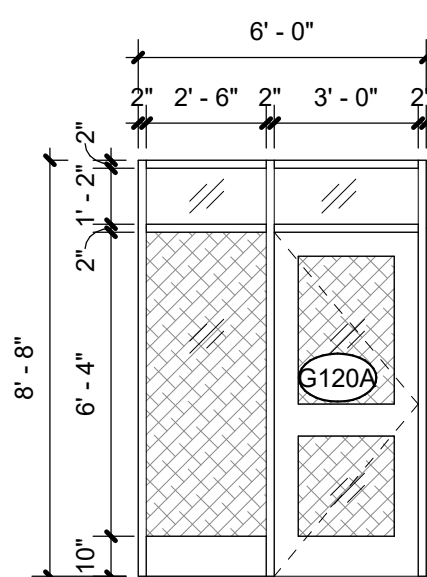


B DOOR JAMB AT CMU WALL
SCALE 3" = 1'-0"

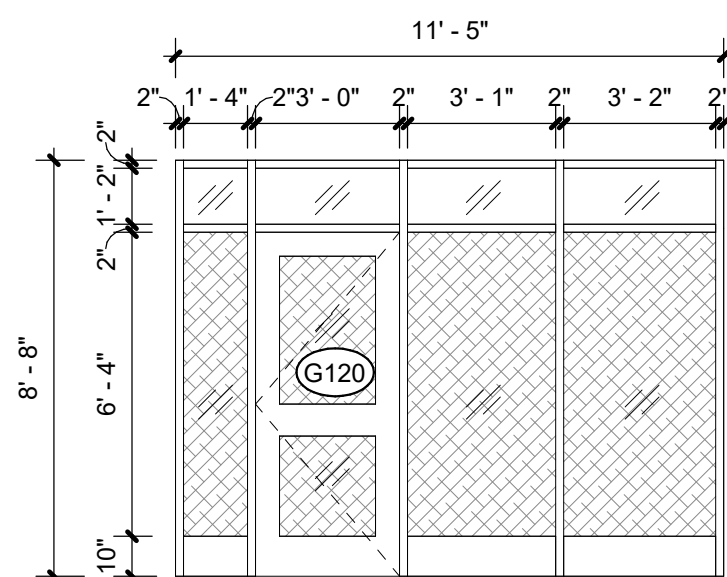


A DOOR JAMB AT GYP BD WALL
SCALE 3" = 1'-0"

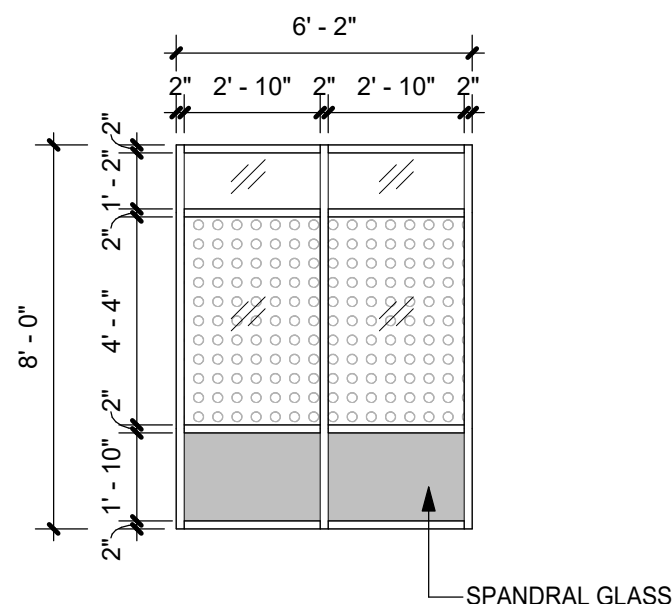
NOTE: ASSEMBLE AS PER UNDERWRITERS LABORATORY, FIRE RESISTANCE RATING REQUIREMENTS, WHERE RATED WALLS ARE INDICATED.



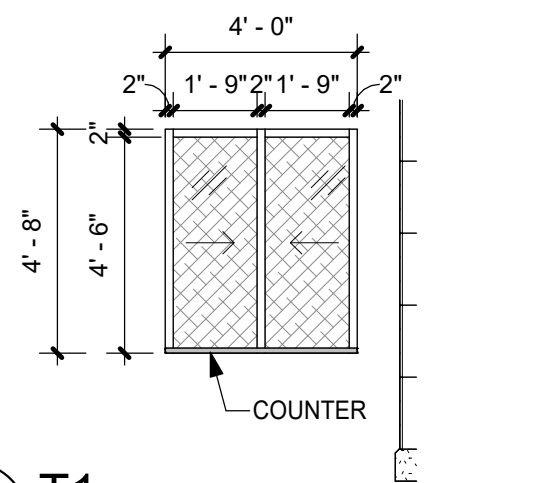
A34
1/4" = 1'-0"



A22
1/4" = 1'-0"



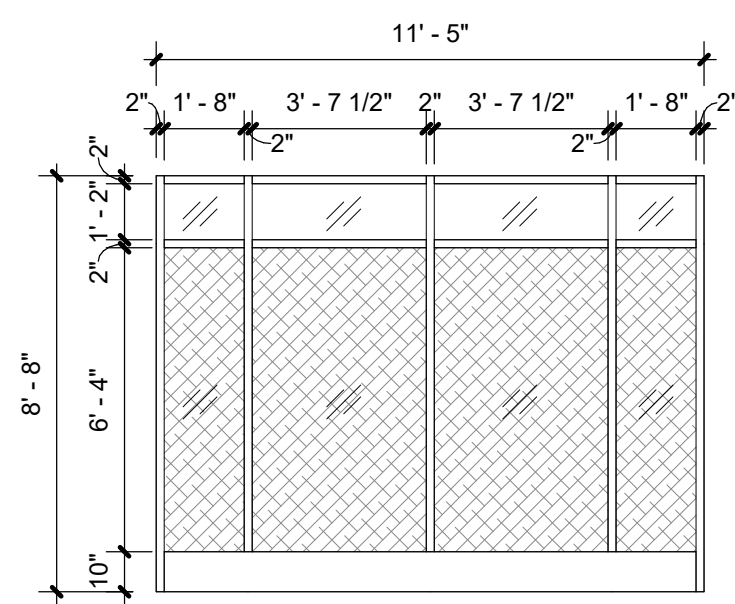
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1/4" = 1'-0"



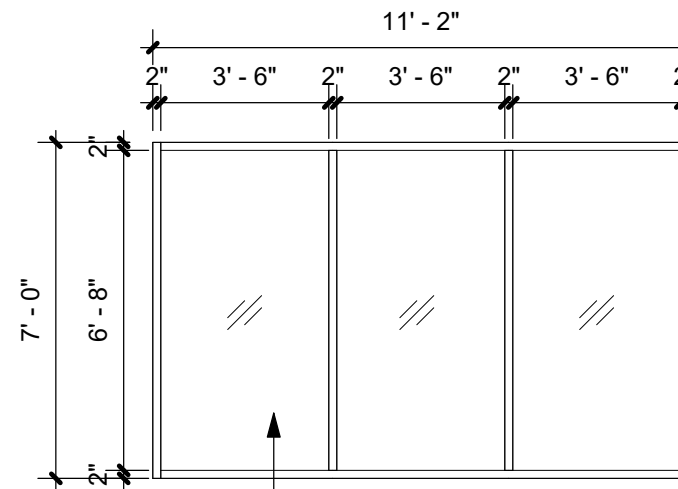
T1
1/4" = 1'-0"

GYMNASIUM ALUMINUM STOREFRONT - ADD ALT #1

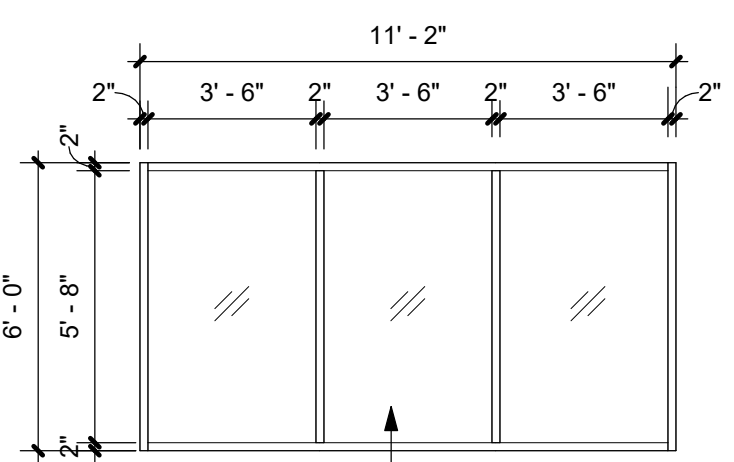
TRANSACTION WINDOW



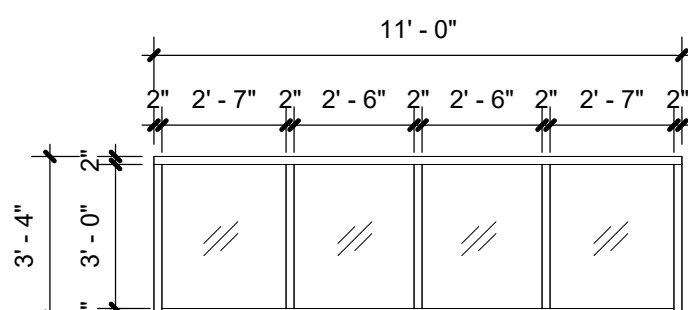
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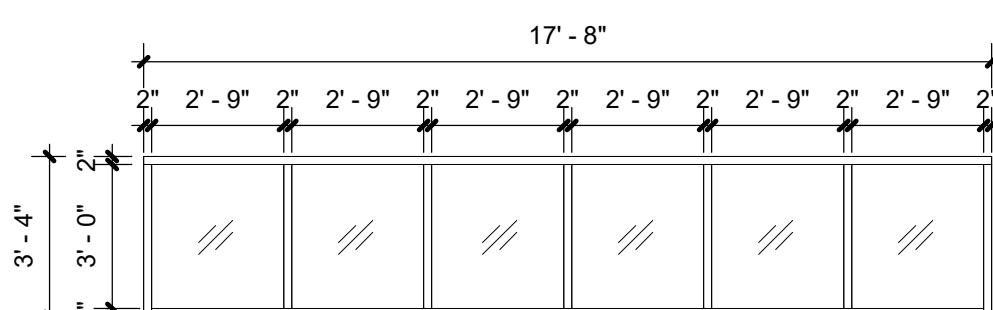
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1/4" = 1'-0"



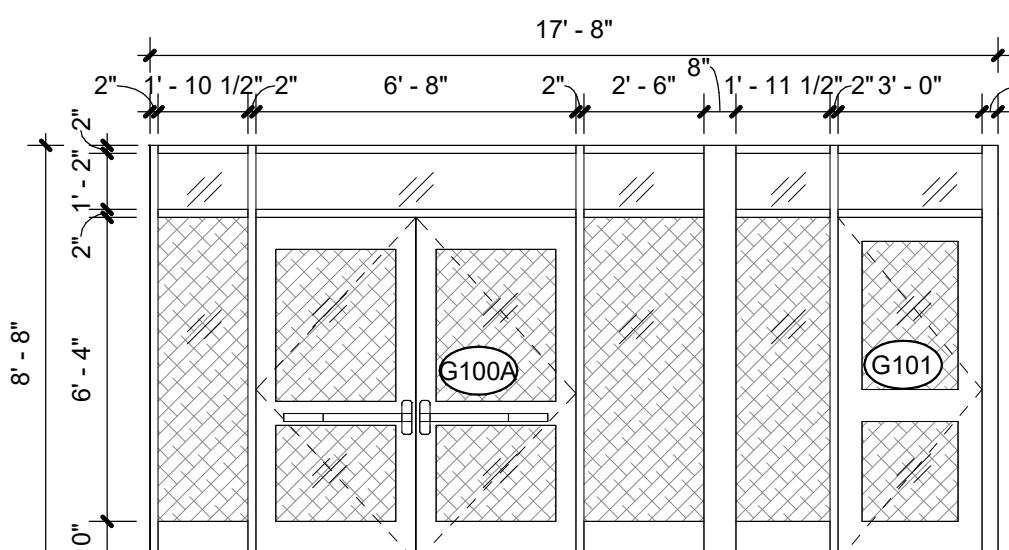
A31
1/4" = 1'-0"



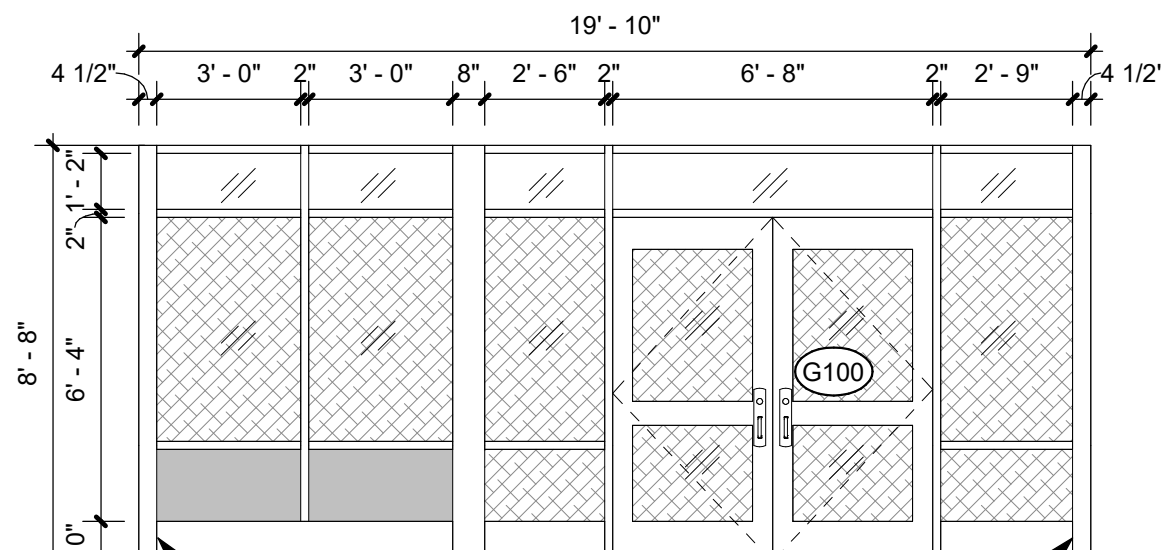
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1/4" = 1'-0"



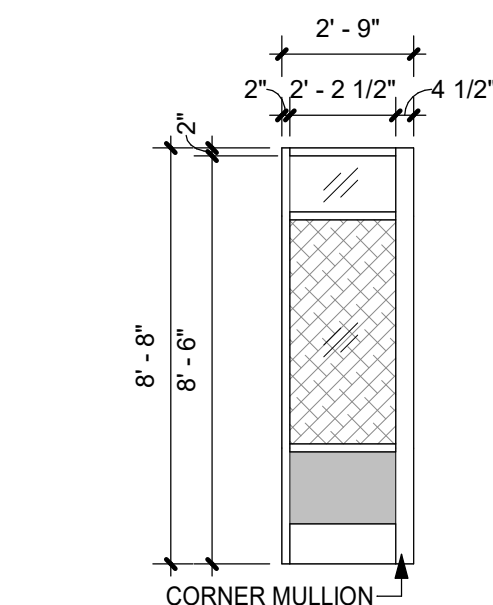
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1/4" = 1'-0"



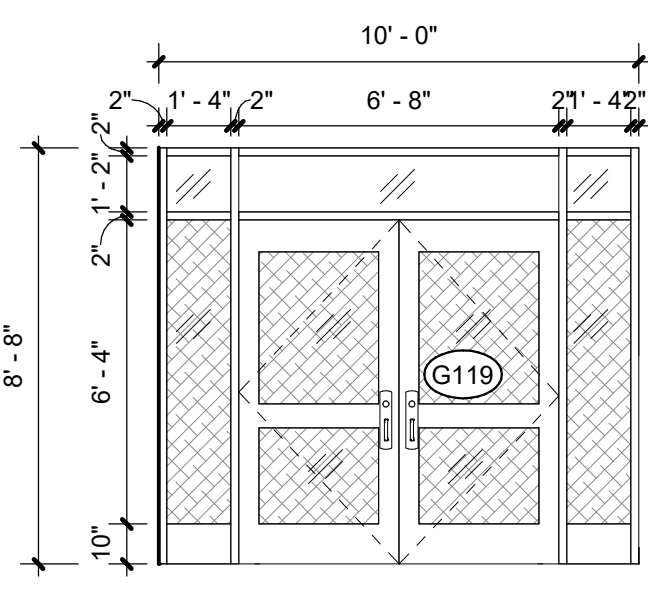
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1/4" = 1'-0"



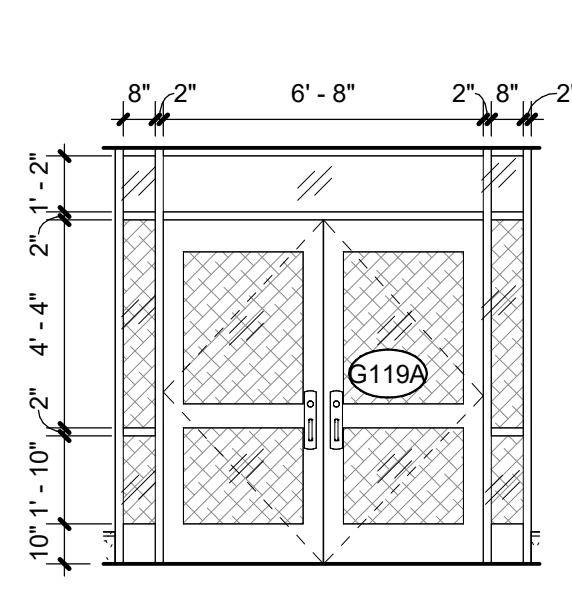
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1/4" = 1'-0"



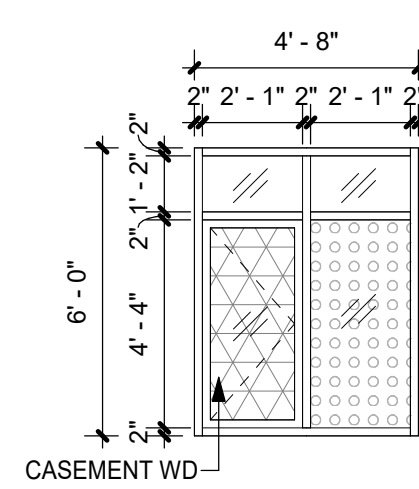
A25
1/4" = 1'-0"



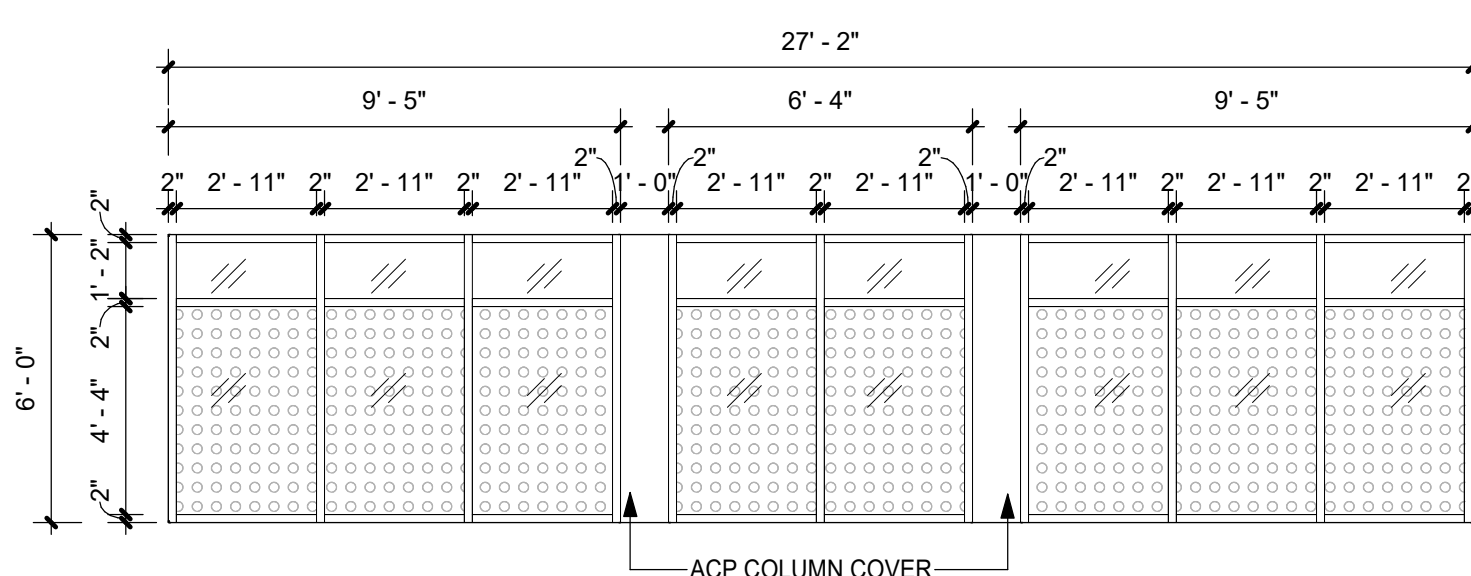
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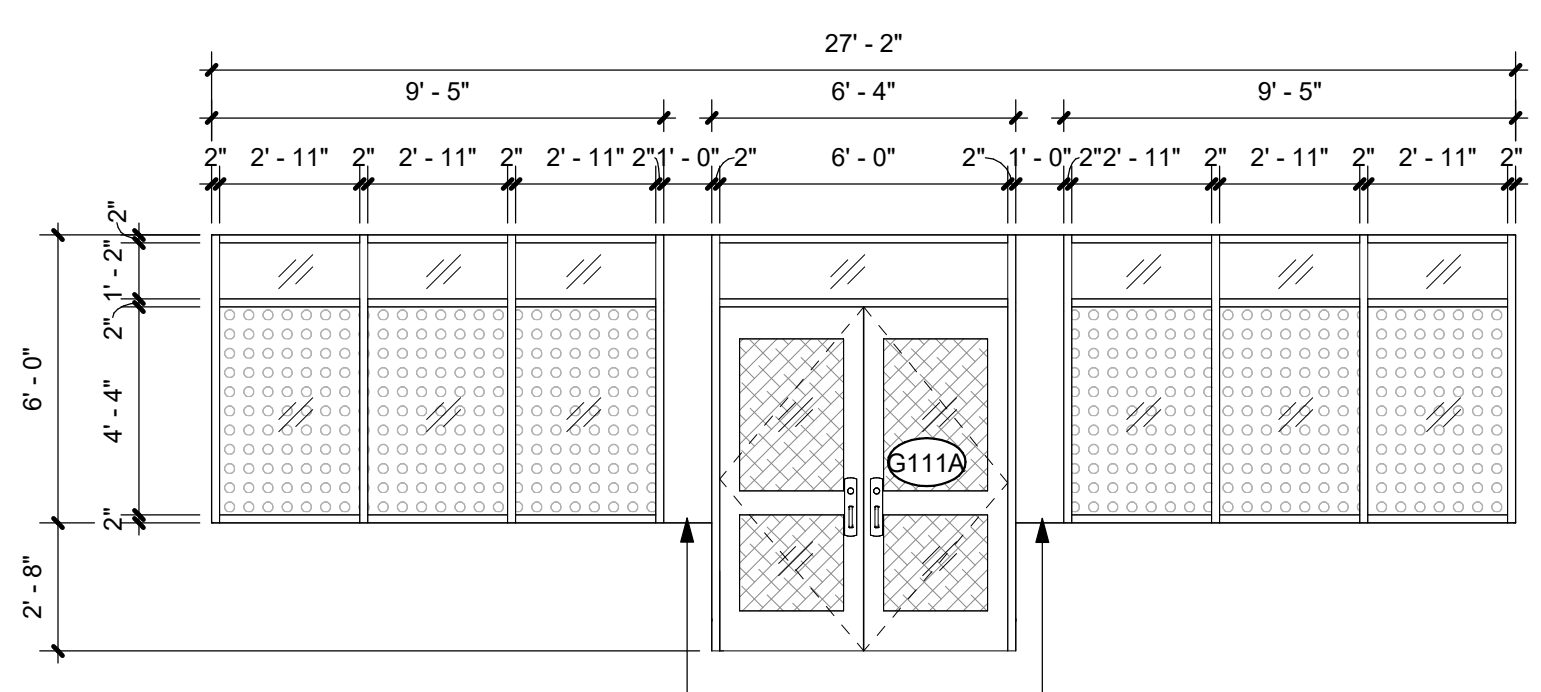
A23
1/4" = 1'-0"



A20
1/4" = 1'-0"

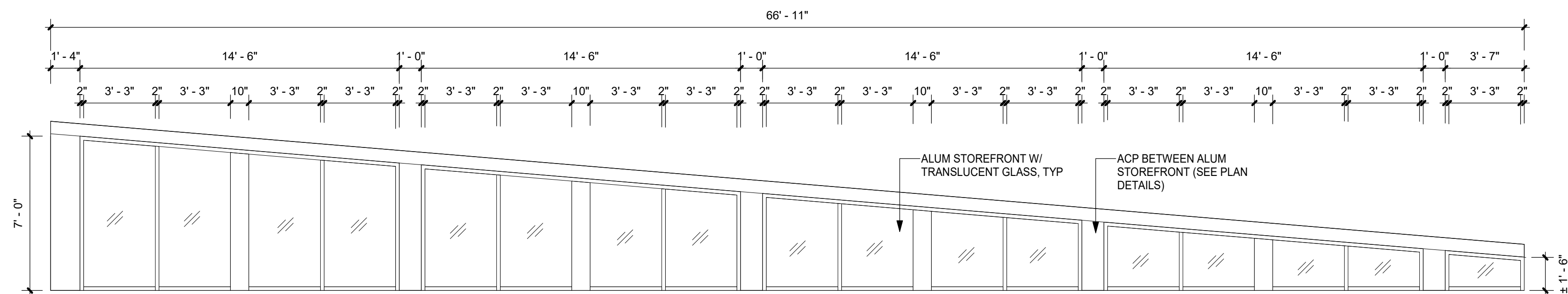


A19
1/4" = 1'-0"



A18
1/4" = 1'-0"

GYMNASIUM ALUMINUM STOREFRONTS



A30
1/4" = 1'-0"

GYMNASIUM CURTAIN WALL

GENERAL NOTES

- DENOTES INSULATED CLEAR GLAZING
- DENOTES INSULATED CLEAR TEMPERED GLAZING
- DENOTES INSULATED SECURITY GLAZING: SCHOOL GUARD OR EQ.
- DENOTES INSULATED CLEAR GLAZING W/ 3M SAFETY FILM OR EQ.
- DENOTES INSULATED SPANDREL GLAZING

GLASS NOTES:

- FR-1 = FIRE RATED LAMINATED GLASS, 45 MIN FIRE RESISTIVE
- FR-2 = FIRE RATED LAMINATED GLASS, 60 MIN FIRE RESISTIVE
- FR-3 = FIRE RATED LAMINATED GLASS, 120 MIN FIRE RESISTIVE

- GLAZING IN DOORS, SIDELIGHTS & WITHIN 18" OF GRADE, FLOORS, STAIR LANDINGS SHALL BE TEMPERED GLASS
- EXTERIOR WINDOW & DOOR SYSTEMS SHALL BE FULLY PERIMETER CAULKED TO ADJACENT FINISHED SURFACES, BOTH INTERIOR & AS DIRECTED BY MFG - TYP.
- ALL EXTERIOR LOUVERS SHALL BE 4" DEEP ALUM. HORIZONTAL BLADE, STORM-PROOF, DRAINABLE, W/ 50% FREE AREA (MIN) IN PREMIUM (KYNAR) METALIC (OR CUSTOM) COLOR SELECTED BY ARCHITECT. W/ BIRD SCREEN (SIM TO RUSKIN ELF375DX)
- C.O. SHALL PROVIDE LOUVERS & COORDINATE FREE AREA REQ'D W/ H.C.
- H.C. SHALL BLANK-OFF W/ BLACK PTD SHEETMETAL & INSULATE ALL UNUSED PORTIONS OF LOUVERS
- DENOTES DOOR NUMBER, SEE A902 FOR DOOR & HARDWARE INFO
- DENOTES WINDOW TYPE, SEE A903 FOR SIZES & OTHER INFO
- DENOTES RESCUE WINDOW, PROVIDE 24" MINIMUM "CLEAR" WIDTH & 8 SF MINIMUM "CLEAR" AREA
- ALL DOORS WITH GLAZING SHALL BE TEMPERED TREATED GLASS, U.O.N.
- ALL WINDOWS LOCATED AT GROUND FLOOR & 1ST FLOOR SHALL HAVE 3M SAFETY FILM APPLIED TO GLAZING, U.O.N.
- ALL INTERIOR GLAZING SIZES AND TYPES ARE TO COMPLY WITH NFPA 80 AND/OR ASTM E110 THROUGHOUT
- ALL SAFETY GLAZING SHALL CONFORM TO THE 2020 IBC WITH 2016 SUPPLEMENTS, SECTION 2408.4
- VIF DIMENSIONS OF EXISTING WINDOW'S & OPENINGS FOR ALL WINDOW REPLACEMENT. (DESIGN TO MATCH IN KIND)

ORANGE-ULSTER BOCES

ARDEN HILL - MAIN BUILDING ADDITIONS AND ALTERATIONS

4 HARRIMAN DRIVE
GOSHEN, NY 10924



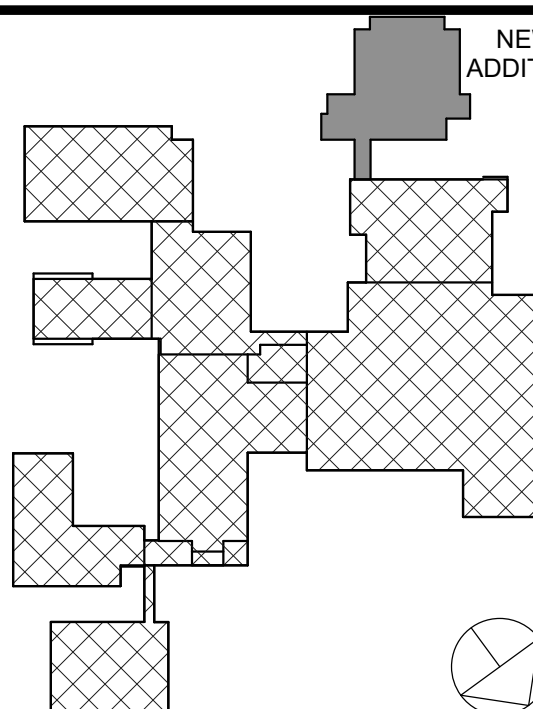
KG+D . ARCHITECTS PC

385 MAIN STREET MOUNT KISCO, NEW YORK, 10549
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO. #

44-90-00-00-0-035-010

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KEY PLAN

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No.	Date	Issue

Sheet Title

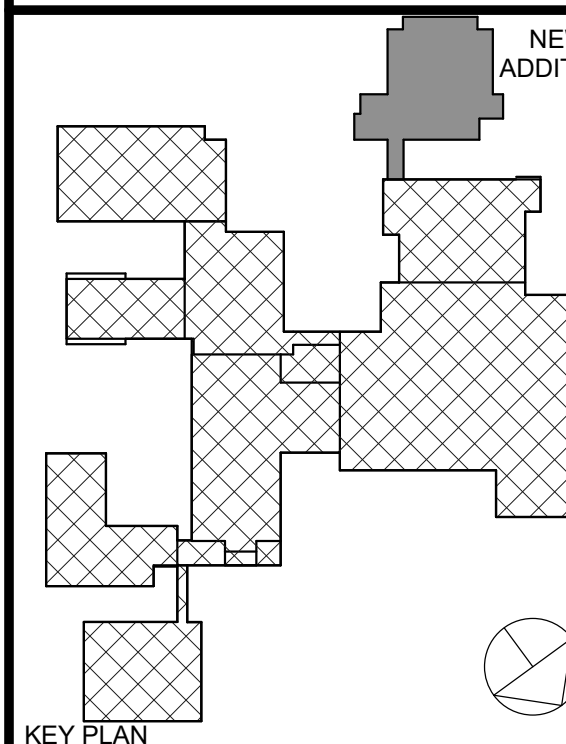
WINDOW TYPES

Job No. 2023-1012 Date 01/26/2024

Scale Drawn / Checked Author Checker

Sheet Number

A903



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1	01/26/2024	SED SUBMISSION

Sheet Title

WINDOW DETAILS

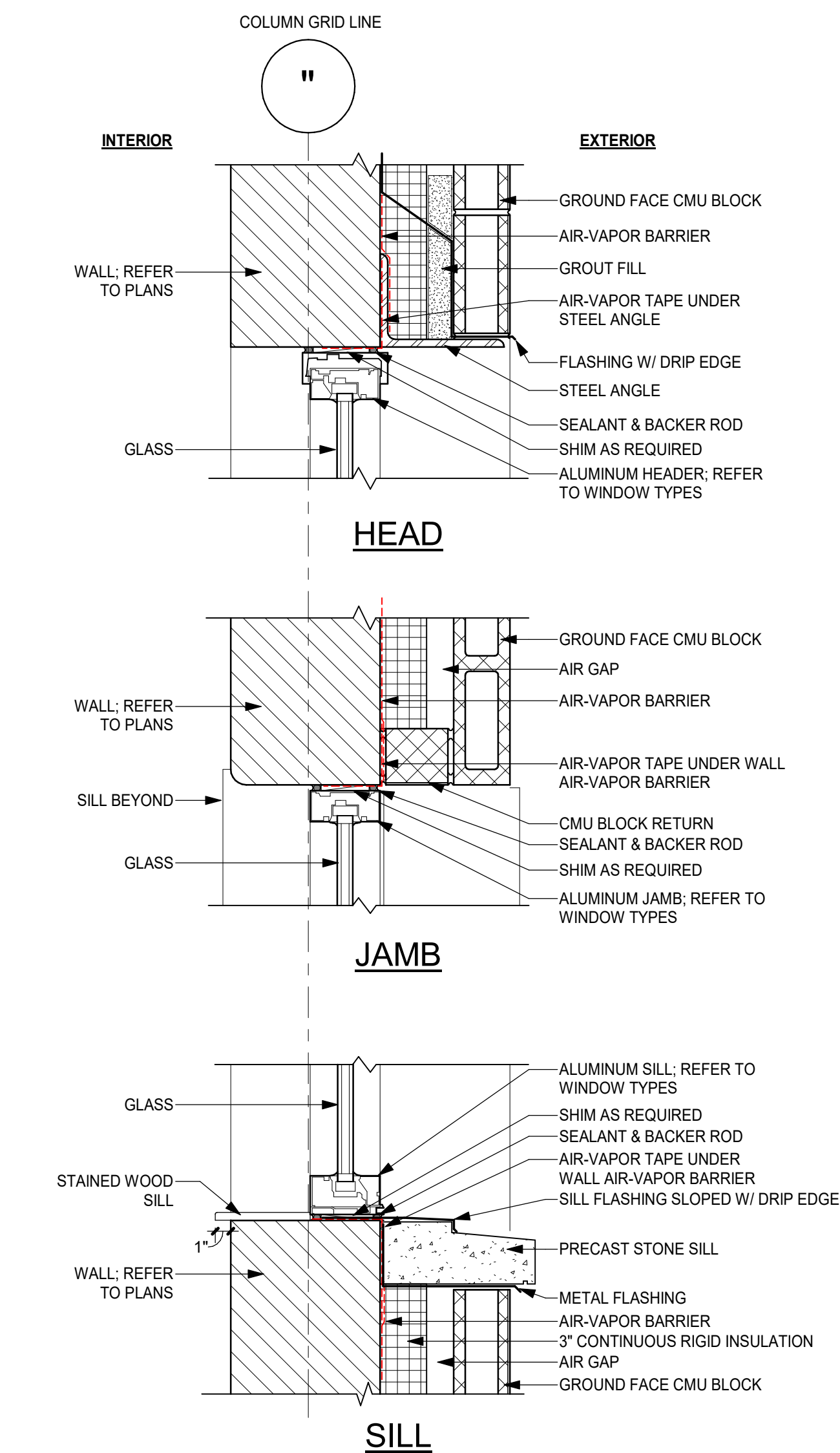
Job No.	Date
2023-1012	01/26/2024

Scale	Drawn / Checked
	Author / Checker

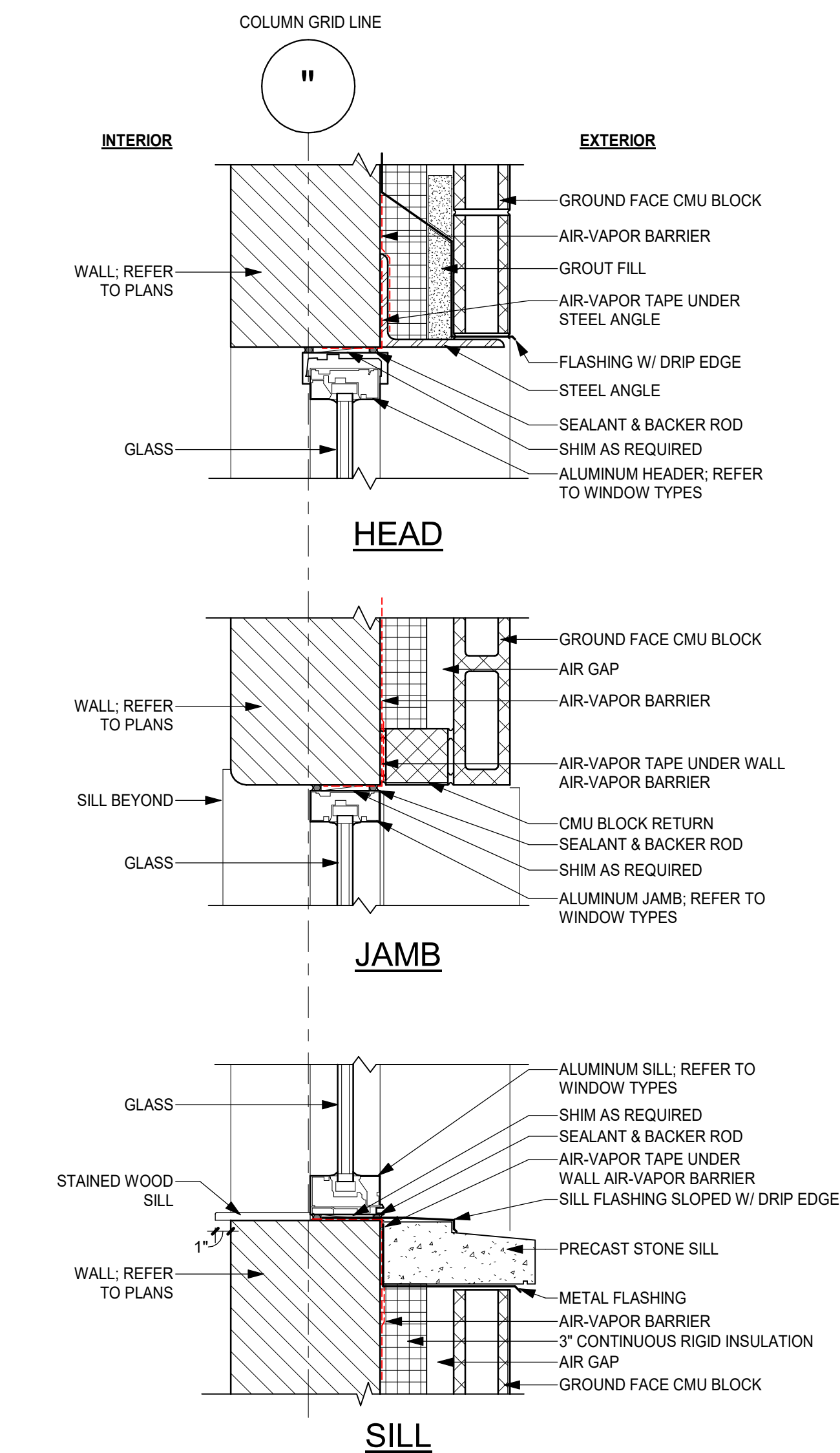
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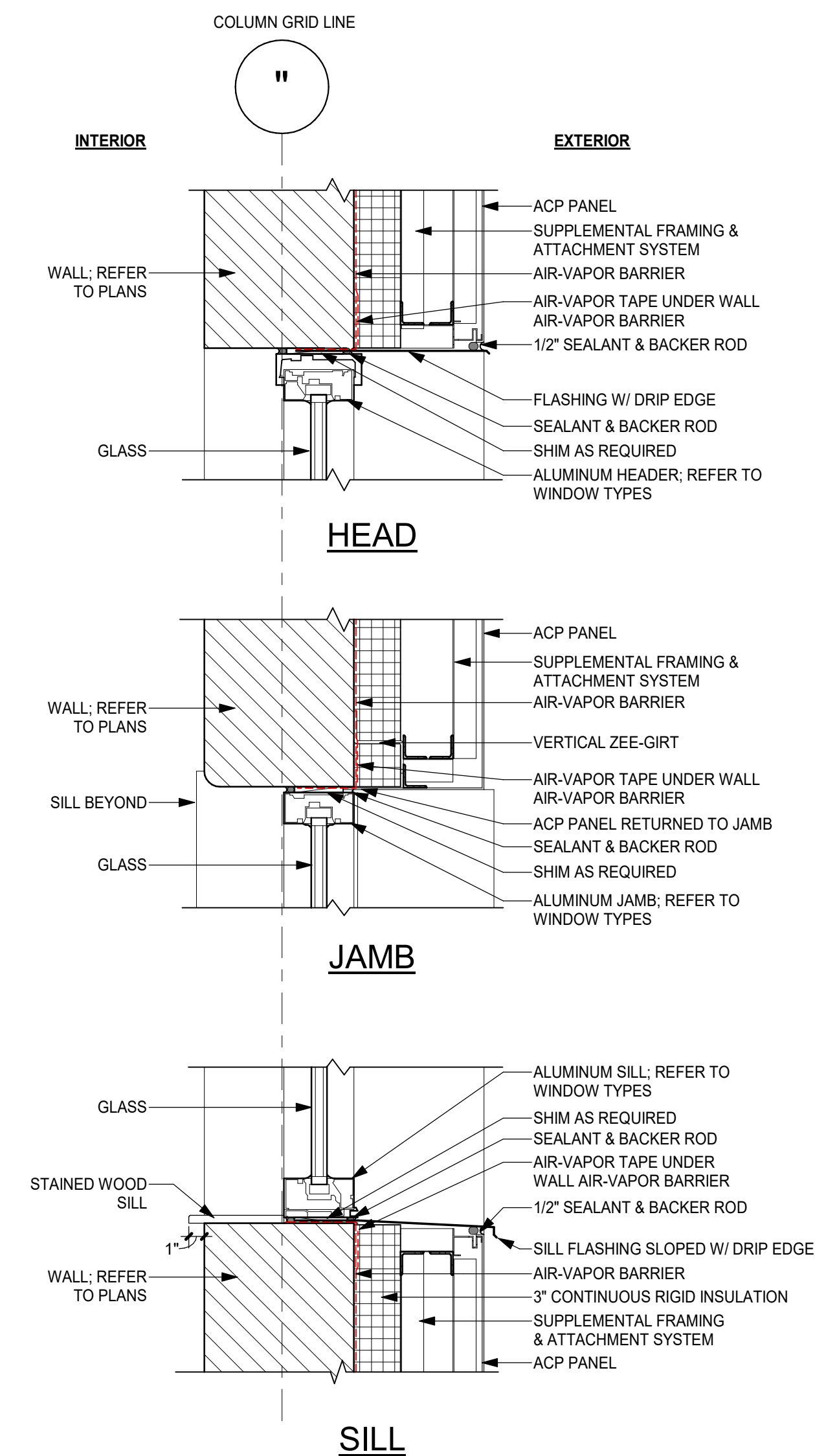
4 SILL DETAIL @ FITNESS CENTER (ADD ALT)
1 1/2" = 1'-0"



3 STOREFRONT DETAILS @ GROUND FACE CMU
1 1/2" = 1'-0"



2 STOREFRONT DETAILS @ METAL PANEL
1 1/2" = 1'-0"



1 STOREFRONT DETAILS @ ACP
1 1/2" = 1'-0"

