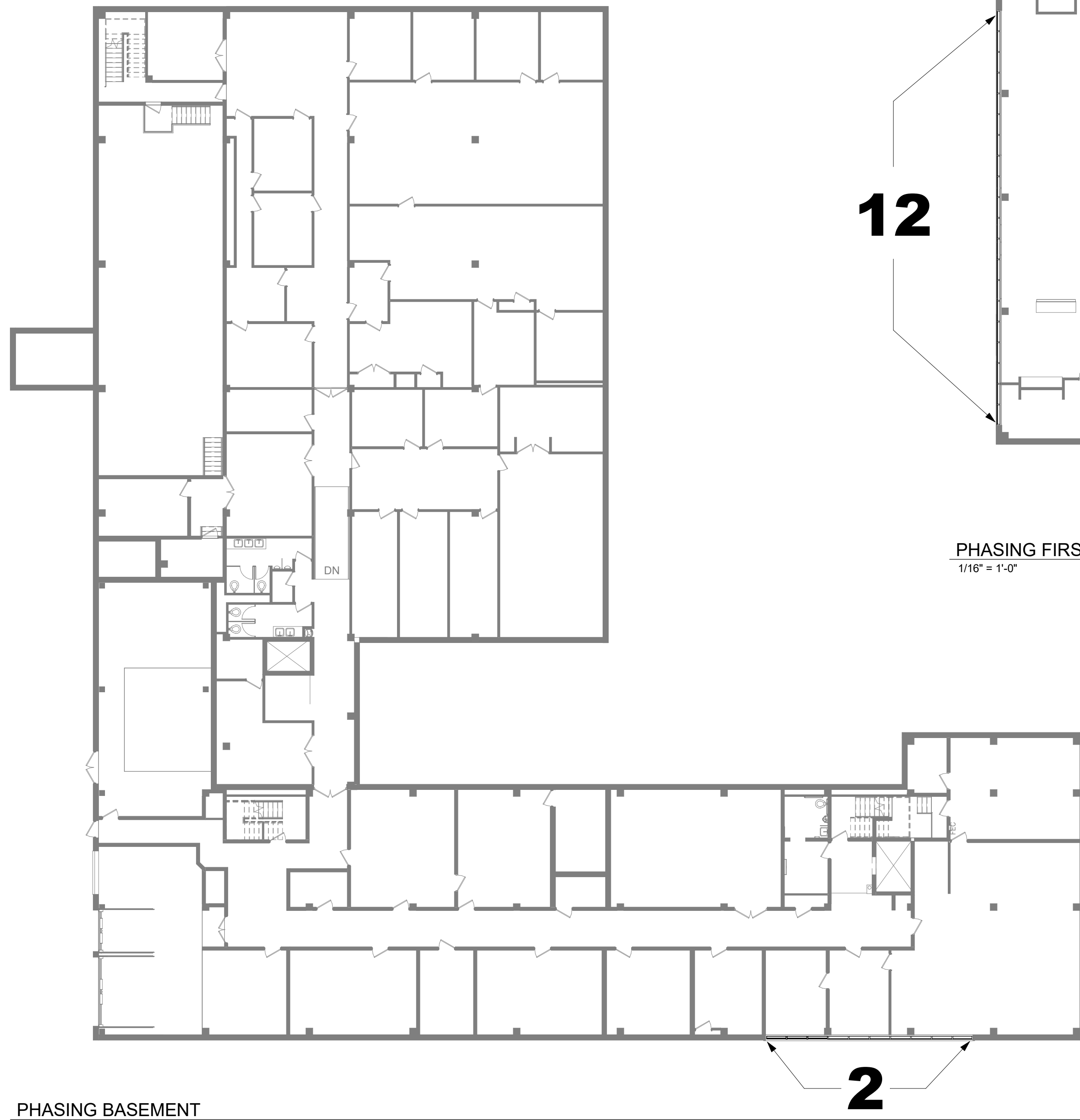


PRELIMINARY PHASING SEQUENCE

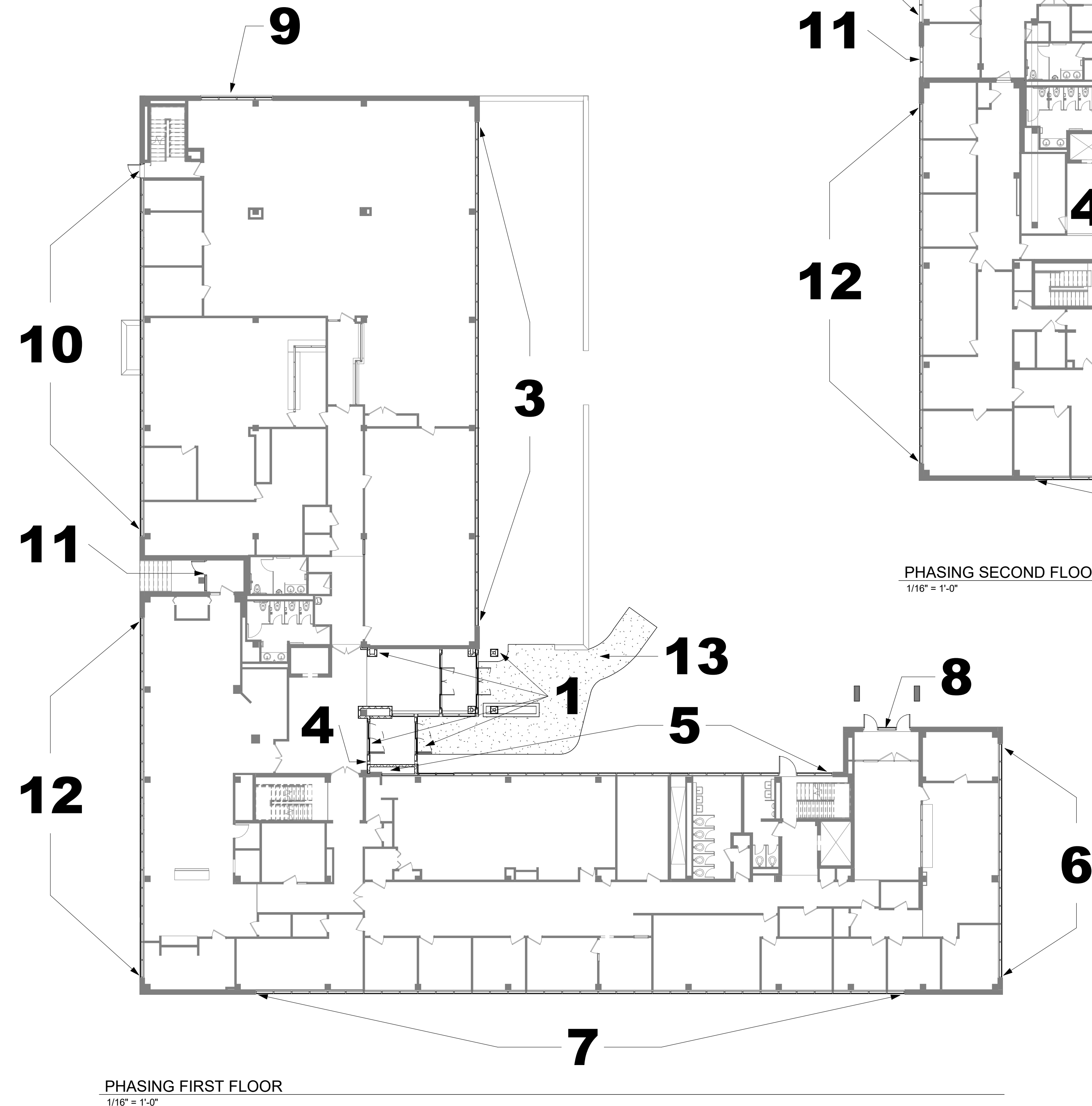
1. MAIN ENTRY ADDITION INCLUDING CURTAINWALLS AL-1 THRU AL-5.
2. CURTAINWALL AL-12
3. CURTAINWALL AL-22
4. CURTAINWALL AL-6
5. CURTAINWALLS AL-7 AND AL-8
6. CURTAINWALL AL-11
7. CURTAINWALLS AL-13 AND AL-14
8. CURTAINWALLS AL-9 AND AL-10
9. CURTAINWALL AL-21
10. CURTAINWALLS AL-19 AND AL-20
11. CURTAINWALLS AL-17 AND AL-18
12. CURTAINWALLS AL-15 AND AL-16
13. ENTRY SITE WORK INCLUDING SIDEWALKS AND STORMDRAIN

- HVAC WORK WILL BE ONGOING THROUGHOUT THE PHASES LISTED ABOVE AND SHOULD BE COORDINATED WITH THE CONTRACTORS INVOLVED.
- INTERIOR FINISH WORK, INCLUDING NEW CEILINGS, SHOULD BE PHASED WITH THE CONTRACTORS INVOLVED TO COMPLEMENT CURTAINWALL AND HVAC REPAIRS AND REPLACEMENTS.
- TASKS NOT YET ASSIGNED IN THIS PHASING:
 - A. NEW SIDING INSTALLATION AT THE MECHANICAL PENTHOUSE.
 - B. NEW ROOFING, FASCIA, AND EXTERIOR FINISHES AT THE AUDITOR'S ENTRY.
 - C. INTERIOR WORK IN THE TREASURER'S OFFICE.

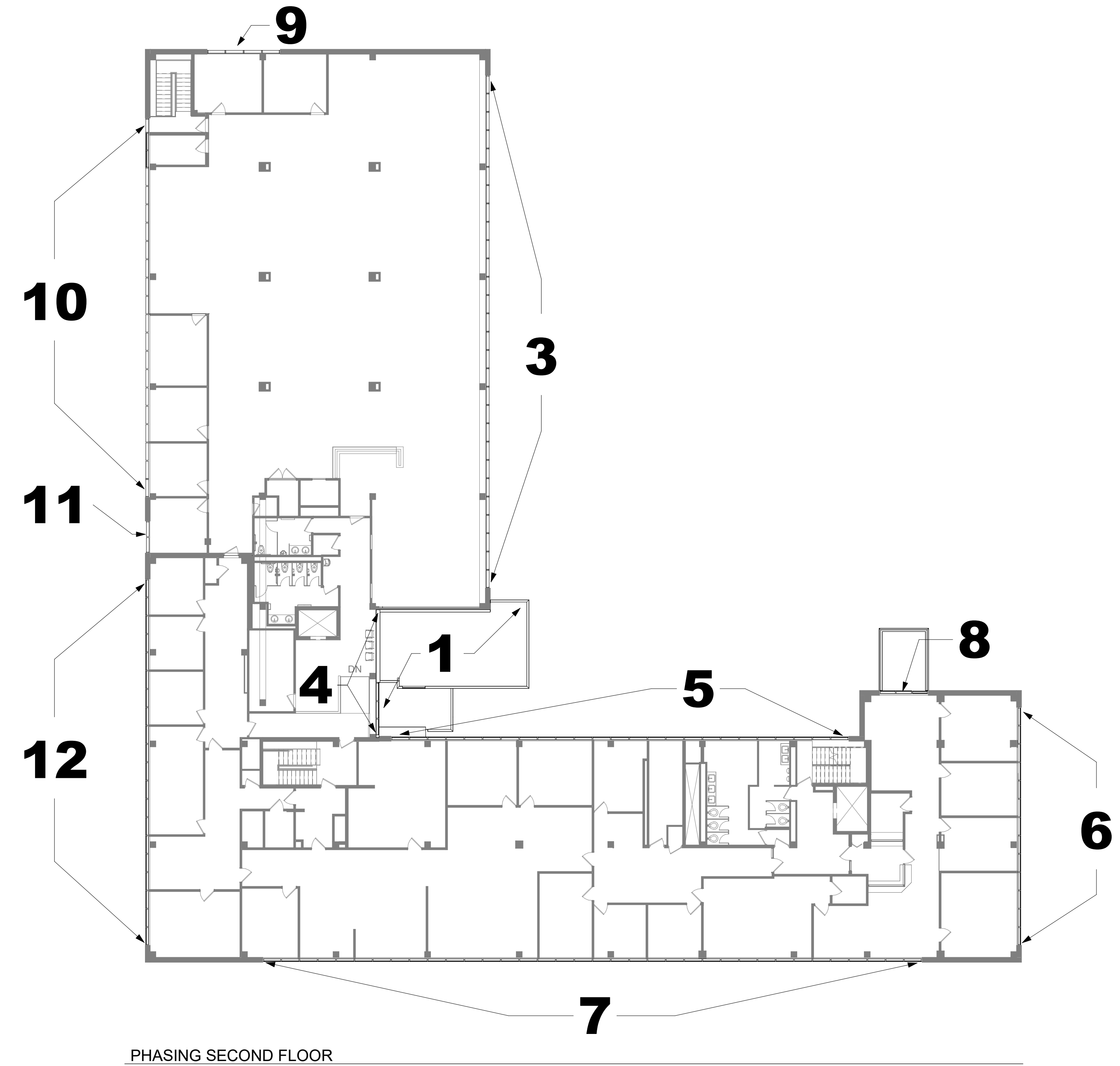
ALL PHASING SHOULD BE COORDINATED BETWEEN THE GENERAL CONTRACTOR AND OWNER AFTER BIDDING AND BEFORE WORK BEGINS. THE PHASING SEQUENCE LISTED ABOVE MAY BE USED AS A GUIDE.



PHASING BASEMENT
1/16" = 1'-0"



PHASING FIRST FLOOR
1/16" = 1'-0"



PHASING SECOND FLOOR
1/16" = 1'-0"

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

Rev	Description	Date
22072	Issued for Bidding	02-13-2024
MEM	Issued for Construction	

Revisions

Project Number: 22072
Project Manager: MEM
Address: 1900 N. 3RD ST. CLINTON COUNTY ADMINISTRATION BUILDING PHASING REVISIONS 02/13/2024
All content based on: 20422 1/4 sheet size

Sheet Title

PRELIMINARY
PHASING
EXHIBIT

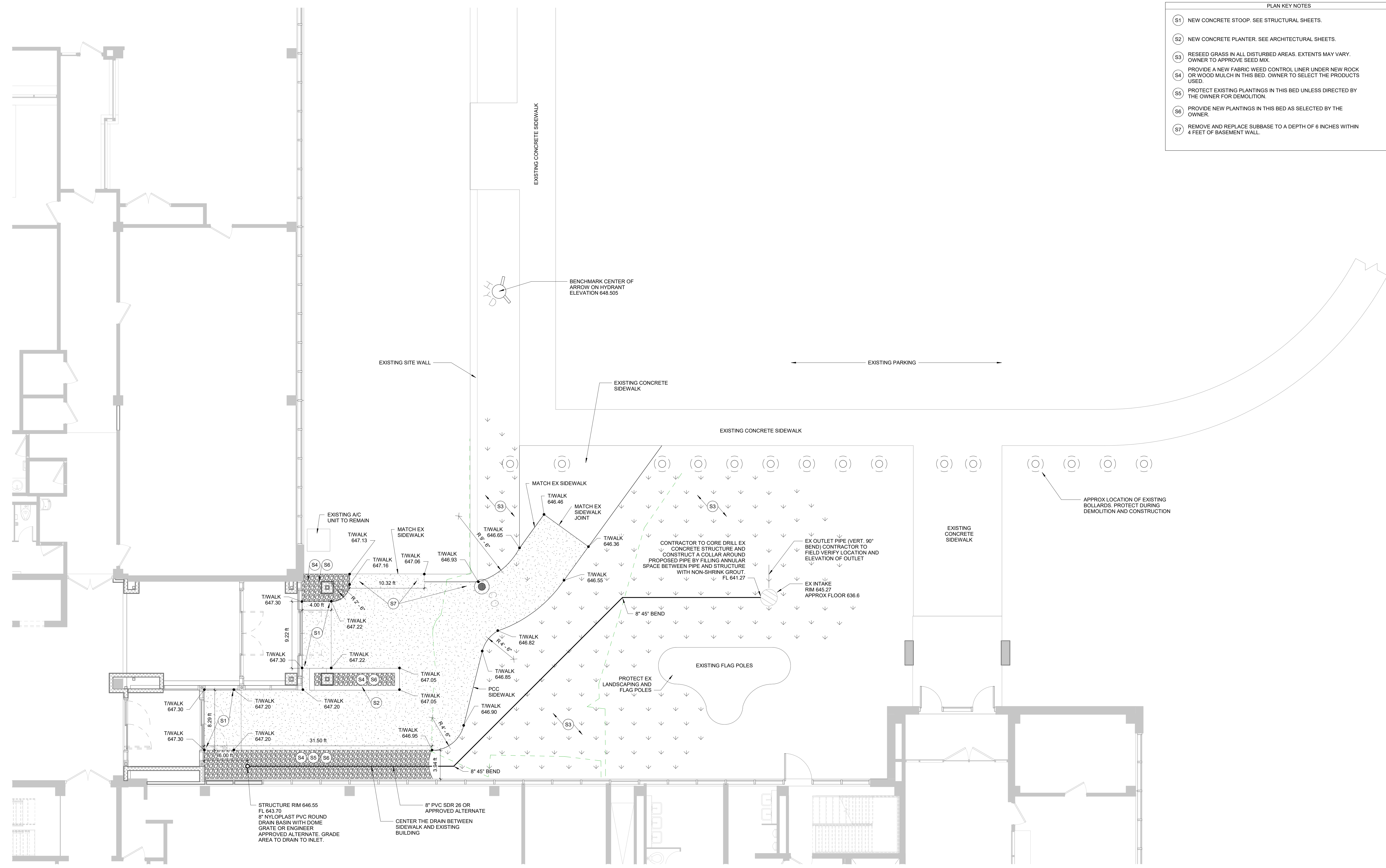
G1.2

GENERAL NOTES

1. ANY DAMAGE TO EXISTING GRASS OR LANDSCAPING DURING THE DEMOLITION OR NEW CONSTRUCTION SHALL BE RESEED OR REPAIRED TO RESEMBLE THE EXISTING CONDITION BY THE DISCIPLINE WHOSE WORK RESULTED IN THE DAMAGE.
2. FCC SIDEWALK SHALL BE INSTALLED IN ACCORDANCE SUDAS 2024 SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO SUBGRADE PREPARATION, SUBBASE PLACEMENT, AND JOINTING.
3. FCC SIDEWALK SHALL BE 4 INCHES THICK AND HAVE 2 INCH THICK LAYER OF MODIFIED SUBBASE (TYPICAL) UNLESS NOTED OTHERWISE.

PLAN KEY NOTES

- (S1) NEW CONCRETE STOOP. SEE STRUCTURAL SHEETS.
- (S2) NEW CONCRETE PLANTER. SEE ARCHITECTURAL SHEETS.
- (S3) RESEED GRASS IN ALL DISTURBED AREAS. EXTENTS MAY VARY. OWNER TO APPROVE SEED MIX.
- (S4) PROVIDE A NEW FABRIC WEED CONTROL LINER UNDER NEW ROCK OR WOOD MULCH IN THIS BED. OWNER TO SELECT THE PRODUCTS USED.
- (S5) PROTECT EXISTING PLANTINGS IN THIS BED UNLESS DIRECTED BY THE OWNER FOR DEMOLITION.
- (S6) PROVIDE NEW PLANTINGS IN THIS BED AS SELECTED BY THE OWNER.
- (S7) REMOVE AND REPLACE SUBBASE TO A DEPTH OF 6 INCHES WITHIN 4 FEET OF BASEMENT WALL.



Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION BUILDING - ADDITION & ALTERATIONS

Location / Description
1900 N. 3RD ST. CLINTON, IA 52723

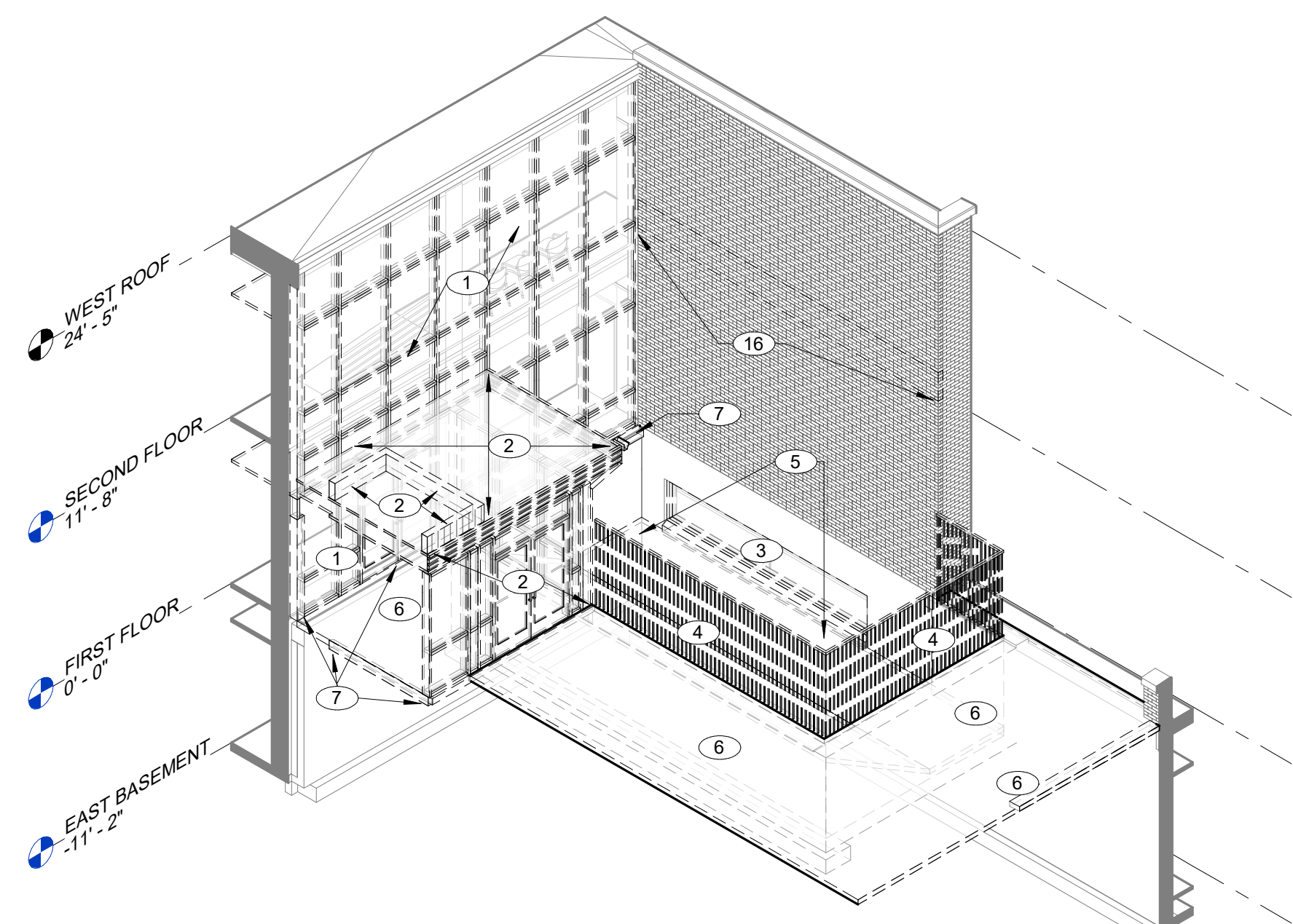
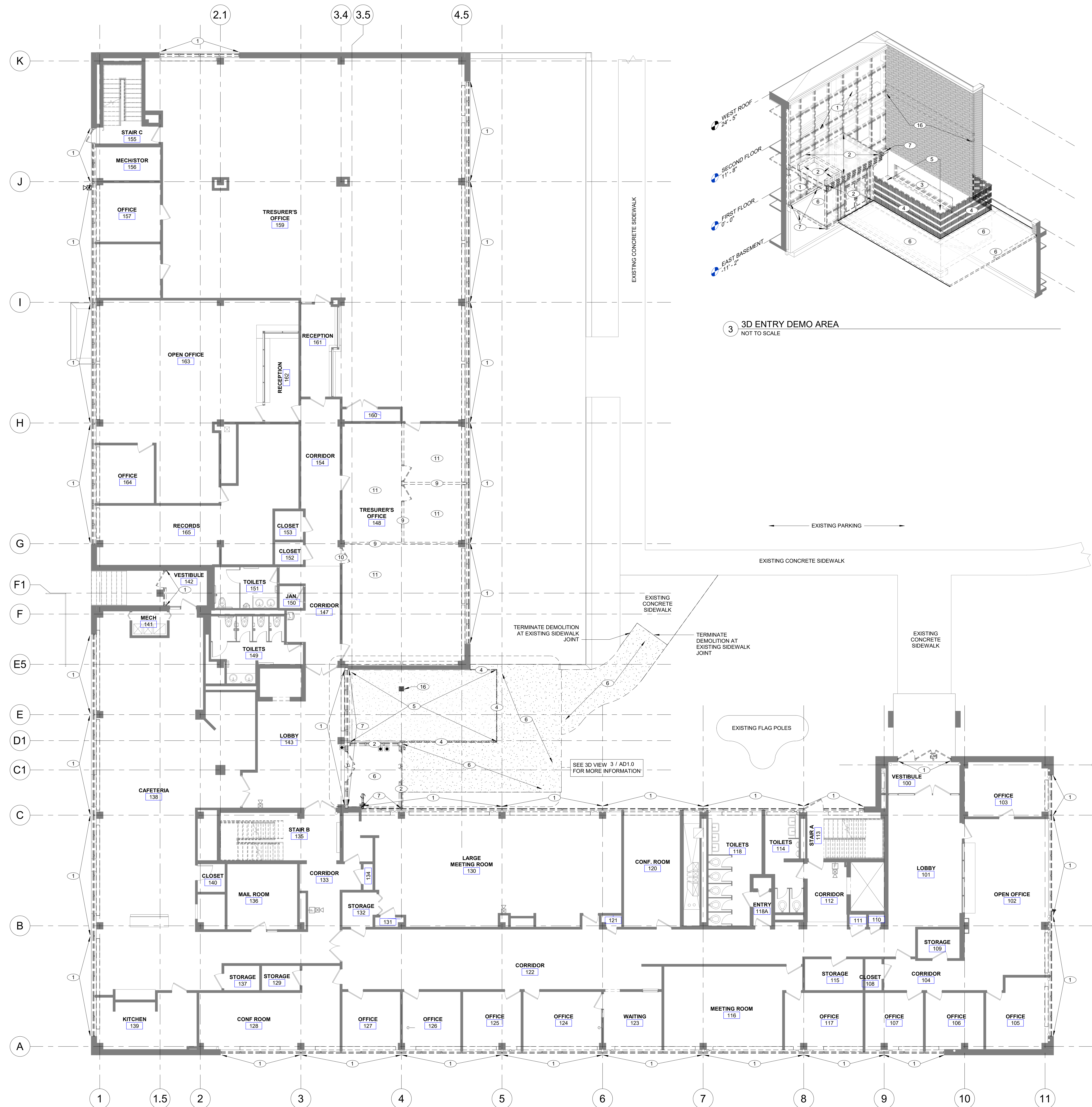
Revisions	Rev	Description	Date
	22072	Issued for Bidding	02-13-2024
	MEM	Issued for Construction	

Approved by: [Signature] Clinton County Public Works Building Inspection Department 2/13/2024 11:23 AM
All notes based on: 2042 14 sheet size

Sheet Title

PROPOSED SITE PLAN

C1.0



3 3D ENTRY DEMO AREA
NOT TO SCALE

- GENERAL DEMOLITION NOTES**
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND OBSERVE ALL EXISTING CONDITIONS BEFORE BIDDING THE PROJECT. CONTACT ARCHITECT WITH ANY DISCREPANCIES. FAILURE TO DO SO DOES NOT RELIEVE THE CONTRACTOR FROM PROVIDING A COMPLETE PROJECT AS INTENDED.
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Client Name
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ADMINISTRATION BUILDING - ADDITION & ALTERATIONS

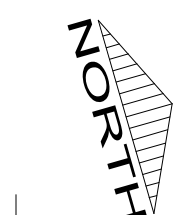
Location / Description
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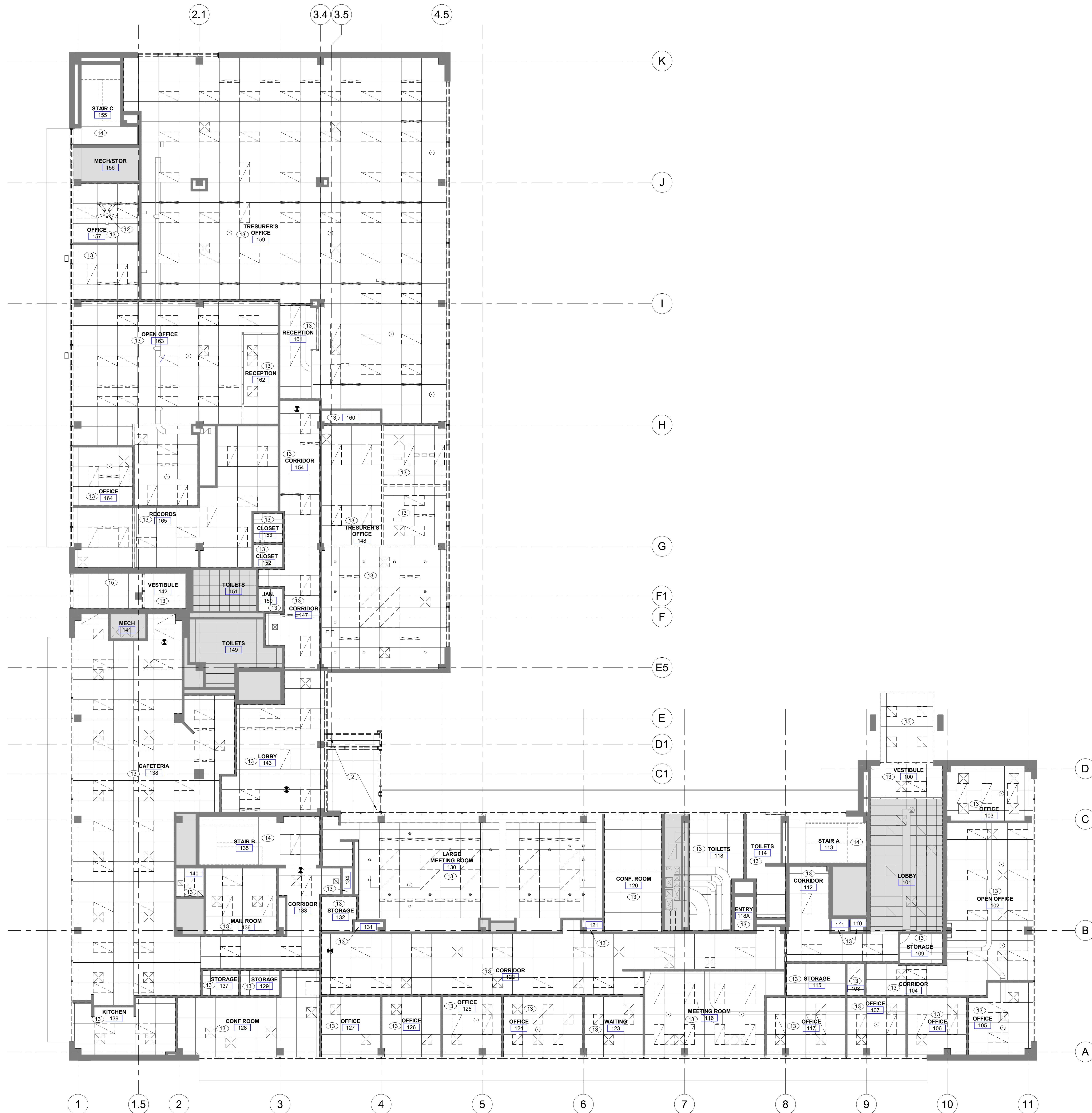
Approved By: [Signature] Date: [Date]
As Issued Based On: 20462 - 14.00.000

Sheet Title
FIRST FLOOR DEMOLITION PLAN AND NOTES

AD1.0



CD-1 FIRST FLOOR DEMOLITION REFLECTED
CEILING PLAN
1/8" = 1'-0"



GENERAL DEMOLITION NOTES

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND OBSERVE ALL EXISTING CONDITIONS BEFORE BIDDING THE PROJECT. CONTACT ARCHITECT WITH ANY DISCREPANCIES. FAILURE TO DO SO DOES NOT RELIEVE THE CONTRACTOR FROM PROVIDING A COMPLETE PROJECT AS INTENDED.
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Client Name
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Project Name
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Location / Description
1900 N. 3RD ST.
CLINTON, IA 52723

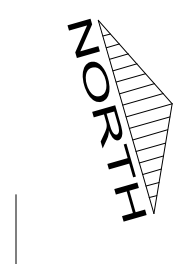
Rev	Description	Date
202072	Issued for Bidding	02-13-2024
MEM	Issued for Construction	

Project Manager
2/13/2024 11:28:14 AM
All content based on: 20422 14 sheets (10)

Sheet Title

FIRST FLOOR
DEMOLITION
RCP AND NOTES

AD2.0



CD-2 SECOND FLOOR DEMOLITION
REFLECTED CEILING PLAN
1/8" = 1'-0"



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BIDDING ALTERNATE INFORMATION:

DEMOLITION NOTES 12, 13, AND 14 SHALL BE OMITTED FROM THIS PROJECT IF BIDDING ALTERNATE 1 IS ACCEPTED.

IN PLACE OF DEMOLITION NOTE 13, A NOTE SHALL READ "DEMOLISH ACT CEILINGS AND GRIDS SELECTIVELY AS REQUIRED TO COMPLETE NEW WORK. PROTECT ALL ADJACENT CEILING AND OTHER CONSTRUCTION NOT SCHED FOR DEMOLITION. COORDINATE REPLACEMENT TILES AND INSTALLATION WITH THE OWNER. WHERE EXISTING CEILING GRIDS ARE DISCONNECTED TO COMPLETE CURTAINWALL REPLACEMENTS OR OTHER SCHED WORK, THE CONTRACTOR SHALL TEMPORARILY SUPPORT CEILING GRIDS UNTIL THEY CAN BE PROPERLY RECONNECTED TO COMPLETED WORK."

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

Revisions	Rev	Description	Date
	22072	Issued for Bidding	02-13-2024
	MEM	Issued for Construction	

Sheet Title

SECOND FLOOR
DEMOLITION
RCP AND NOTES

AD2.1

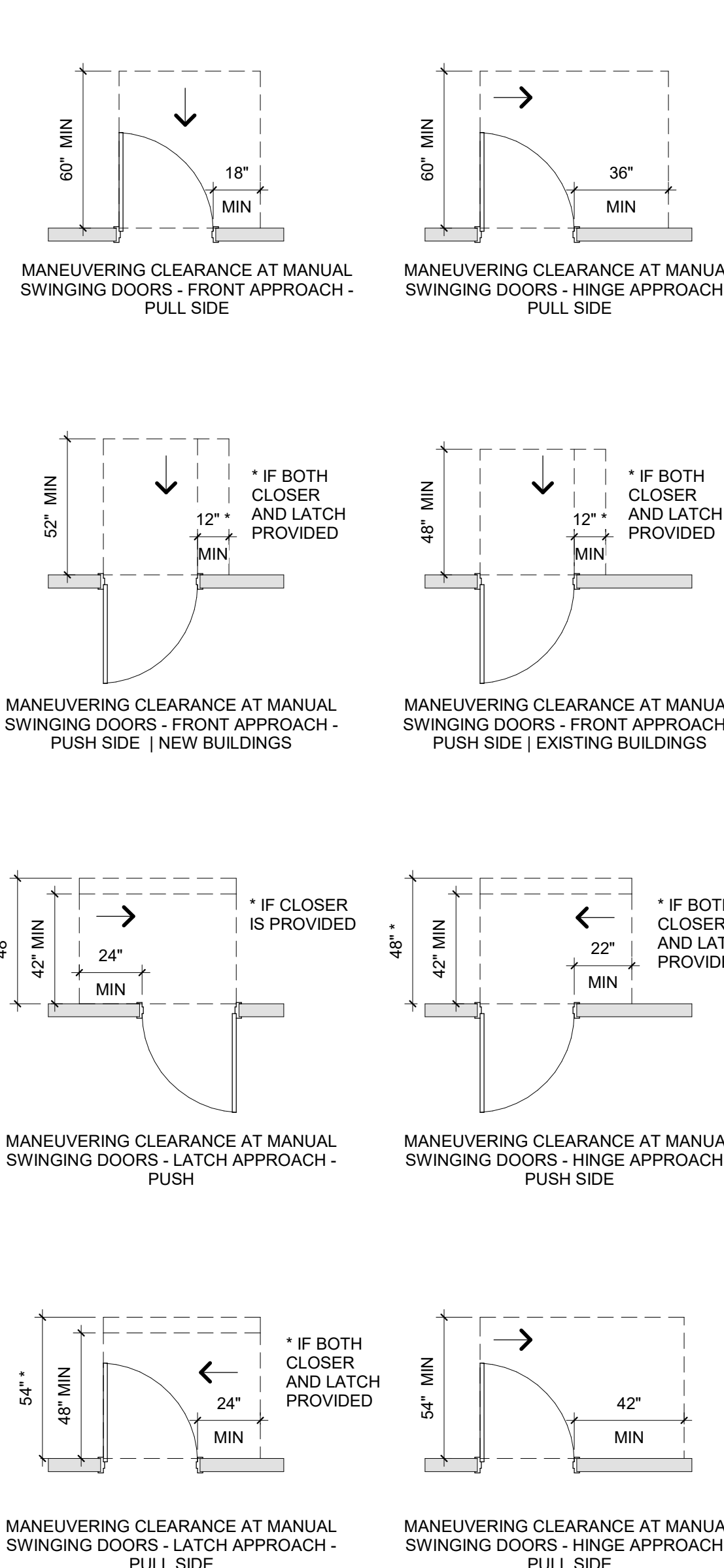
ABBREVIATIONS

L	ANGLE	FCE	FINISHED CASEWORK END	PL	PLATE	VAR	VARIABLES
AB	ANCHOR BOLT	FFE	FINISH FLOOR ELEVATION	PIL	PROPERTY LINE	VAV	VARIABLE AIR VOLUME
A/C	AIR CONDITIONING	FIG	FIGURE	PLM	PLASTIC LAMINATE	VCT	VINYL COMPOSITION TILE
ACP	ACOUSTICAL CEILING PANEL	FIN	FINISHED	POLYISO	POLYISOCYANURATE	VER	VERIFY
ACM	ALUMINUM COMPOSITE MATERIAL	FL	FLOWLINE	PREFIN	PREFINISHED	VERT	VERTICAL
ADD	ADDITION	FLR	FLOOR	PRELIM	PRELIMINARY	VTR	VENT THRU ROOF
ADDL	ADDITIONAL	FRP	FIBERGLASS REINFORCED PANEL	PROP	PROPOSED	VWC	VINYL WALL COVERING
AFF	ABOVE FINISHED FLOOR	FRZ	FREEZER	PSI	POUNDS PER SQUARE INCH	W/	WITH
AHU	AIR HANDLING UNIT	FT	FOOT / FEET	PT	PAINT/PAINTED	W/O	WITHOUT
ALT	ALTERNATING	FTG	FOOTING	PTD	PAPER TOWEL DISPENSER	WO	WOOD
ALUM	ALUMINUM	FV	FIELD VERIFY	PVC	POLYVINYL CHLORIDE	WH	WATER HEATER
ANCH	ANCHOR			PVMT	PAVEMENT	WWF	WELDED WIRE FABRIC
ARCH	ARCHITECT / ARCHITECTURAL	GA	GAUGE	QT	QUARRY TILE	X	CROSS
ASPH	ASPHALT	GALV	GALVANIZED	QTY	QUANTITY	XP	EXPOSED
AVG	AVERAGE	GB	GRAB BAR	QTZ	QUARTZ		
B/	BASE OF	GC	GENERAL CONTRACTOR	R	RADIUS		
BB	BOND BEAM	GL_LAM	GLUED LAMINATED TIMBER	RB	RESILIENT BASE		
BD	BOARD	GRD	GRADE	RCP	REFLECTED CEILING PLAN		
BL	BRICK LEDGE	GWB	GYPSTUM WALLBOARD	RDO	ROOF DRAIN		
BLDG(S)	BUILDING(S)	GYP	GYPSTUM	REB	ROOF DRAIN OVERFLOW		
BLKG	BLOCKING	HM	HOLLOW METAL	REBAR	REINFORCING BAR		
BOT	BOTTOM	HORIZ	HORIZONTAL	REC	RECOMMENDED		
BRG	BEARING	HSS	HOLLOW STRUCTURAL SECTION	RECS	RECOMMENDATIONS		
BRK	BRICK			REF	REFERENCE		
BSMT	BASEMENT	IMP	INSULATED METAL PANEL	REINF	REINFORCING/REINFORCED		
BTWN	BETWEEN	IN	INCH / INCHES	REQ	REQUIRED		
		INFO	INFORMATION	REQ'S	REQUIREMENTS		
C-IP	CAST-IN-PLACE CONCRETE	INSUL	INSULATION	REV	REVISION		
CG	CORNER GUARD	INT	INTERIOR	RFG	REFRIGERATOR		
CJ	CONTROL JOINT	JT	JOINT	RM	RM ELEVATION		
CL or C	CENTERLINE	KIT	KITCHEN / KITCHENETTE	RO	ROUGH OPENING		
CLG	CEILING	LAV	LAVATORY	RO	ROUGH OPENING		
CLR	CLEAR	LF	LINEAL FOOT / FEET	RS	RADIUS POINT		
CMU	CONCRETE MASONRY UNIT	LLH	LONG LEG HORIZONTAL	RTF	RESILIENT TILE FLOORING		
CO	CLEAN OUT	LLV	LONG LEG VERTICAL	RTU	ROOFTOP UNIT		
COL	COLUMN	LVL	LAMINATED VENEER LUMBER	SC	SEALED CONCRETE		
CONC	CONCRETE	LVT	LUXURY VINYL TILE	SCH(D)	SCHEDULED / SCHEDULED		
CONF	CONFERENCE	MIR	MIRROR	SD	SOAP DISPENSER		
CONN	CONNECTION	MAS	MASONRY	SDR	STANDARD DIMENSIONAL RATIO		
CONST	CONSTRUCTION	MAX	MAXIMUM	SF	SQUARE FOOT / FEET		
CONT	CONTINUOUS	MCM	METAL COMPOSITE MATERIAL	SH	SHIELD		
COORD	COORDINATE	MECH	MECHANICAL	SHR	SHOWER		
CP	CONCRETE PANEL	MEZZ	MEZZANINE	SHS	SHOWER SEAT		
CPT	CARPET TILE	MFR(S)	MANUFACTURER(S)	SHTG	SHEATHING		
CTB	CHANGING TABLE	MPH	MOP HOLDER	SM	SMILAR		
CTR(D)	CENTER, CENTERED	MIN	MINIMUM	SK	SINK		
DEG or °	DEGREE	MISC	MISCELLANEOUS	SND	SANITARY NAPKIN DISPENSER		
DF	DRINKING FOUNTAIN	DN	DOWN	SOG	SLAB ON GRADE		
DIA or Ø	DIAMETER	DS	DOWNSPOUT	SPEC'D	SPECIFIED		
DIM(S)	DIMENSION(S)	DW	DISHWASHER	SPEC(S)	SPECIFICATION(S)		
DN	DOWN	DWG(S)	DRAWING(S)	SPF	SPRAY POLYURETHANE FOAM		
EQ	EQUAL	EA	EACH	SQ	SQUARE		
EQPT	EQUIPMENT	EPDM	ETHYLENE PROPYLENE DIENE MONOMER	SS	STAINLESS STEEL		
ES	EXPOSED STRUCTURE	EF	EACH FACE	SSC	STAINED AND SEALED CONCRETE		
ETR	EXISTING TO REMAIN	EHD	ELECTRIC HAND DRYER	SSF	SOLID SURFACE		
EX	EXISTING	EIFS	EXTERIOR FINISH INSULATION SYSTEMS	STAG	STAGGERED		
EXP	EXPANSION	EJ	EXPANSION JOINT	STD	STANDARD		
EXT	EXTERIOR	EL	ELEVATION	STL	STEEL		
		ELEV	ELEVATOR	STOR	STORAGE		
		ENGR	ENGINEER	STR	STRUCTURE / STRUCTURAL		
		EPY	EPOXY	T/	TOP OF		
		EQ	EQUAL	TB	TOWEL BAR		
		EQPT	EQUIPMENT	TEMP	TEMPORARY		
		ES	EXPOSED STRUCTURE	TER	TERRAZZO		
		ETR	EXISTING TO REMAIN	TERM	TERMINATE		
		EX	EXISTING	THK	THICK / THICKNESS		
		EXP	EXPANSION	TKB	TACKBOARD		
		EXT	EXTERIOR	TPD	TOILET PAPER DISPENSER		
		FI	FACE OF	TP	TOILET PARTITION		
		FD	FLOOR DRAIN	TPO	THERMOPLASTIC POLYOLEFIN		
		FDC	FIRE DEPARTMENT CONNECTION	TRTD	TREATED		
		FDN	FOUNDATION	TV	TELEVISION		
		FE	FIRE EXTINGUISHER	TYP	TYPICAL		
		FEC	FIRE EXTINGUISHER & CABINET	UL	UNDERWRITERS LABORATORIES, INC.		
				UNO	UNLESS NOTED OTHERWISE		
				UV	ULTRAVIOLET		

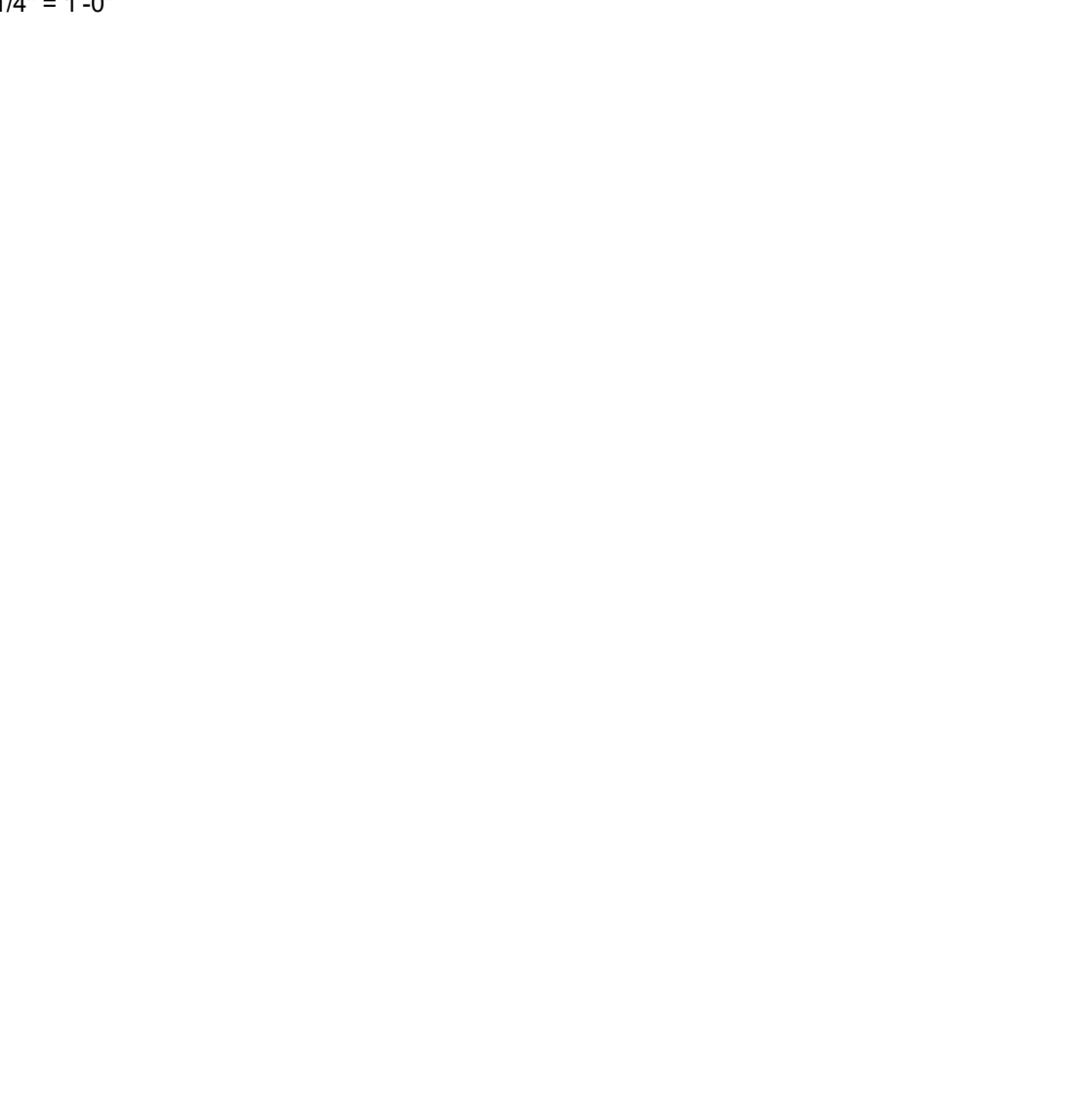
INDUSTRY STANDARDS AND CODES

ACI	AMERICAN CONCRETE INSTITUTE
ADA	AMERICANS WITH DISABILITIES ACT
APA	THE ENGINEERED WOOD ASSOCIATION
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
AWI	ARCHITECTURAL WOODWORK INSTITUTE
HMMA	HOLLOW METAL MANUFACTURERS ASSOCIATION
IBC	INTERNATIONAL BUILDING CODE
ICC	INTERNATIONAL CODE COUNCIL
IEBC	INTERNATIONAL EXISTING BUILDING CODE
IECC	INTERNATIONAL ENERGY CONSERVATION CODE
IFC	INTERNATIONAL FIRE CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
OSHA	OCCUPATIONAL SAFETY AND HEALTH ASSOCIATION

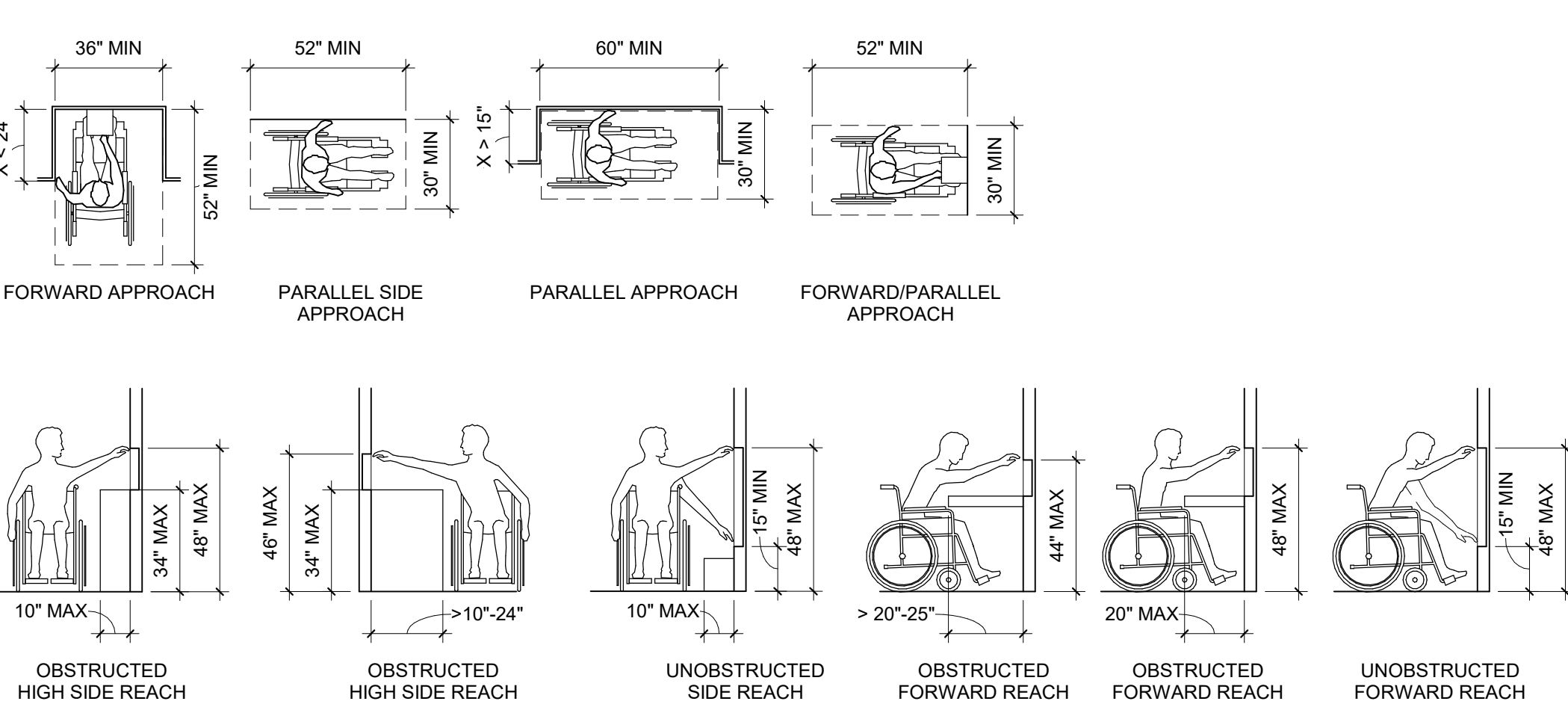
ADA DOOR CLEARANCES



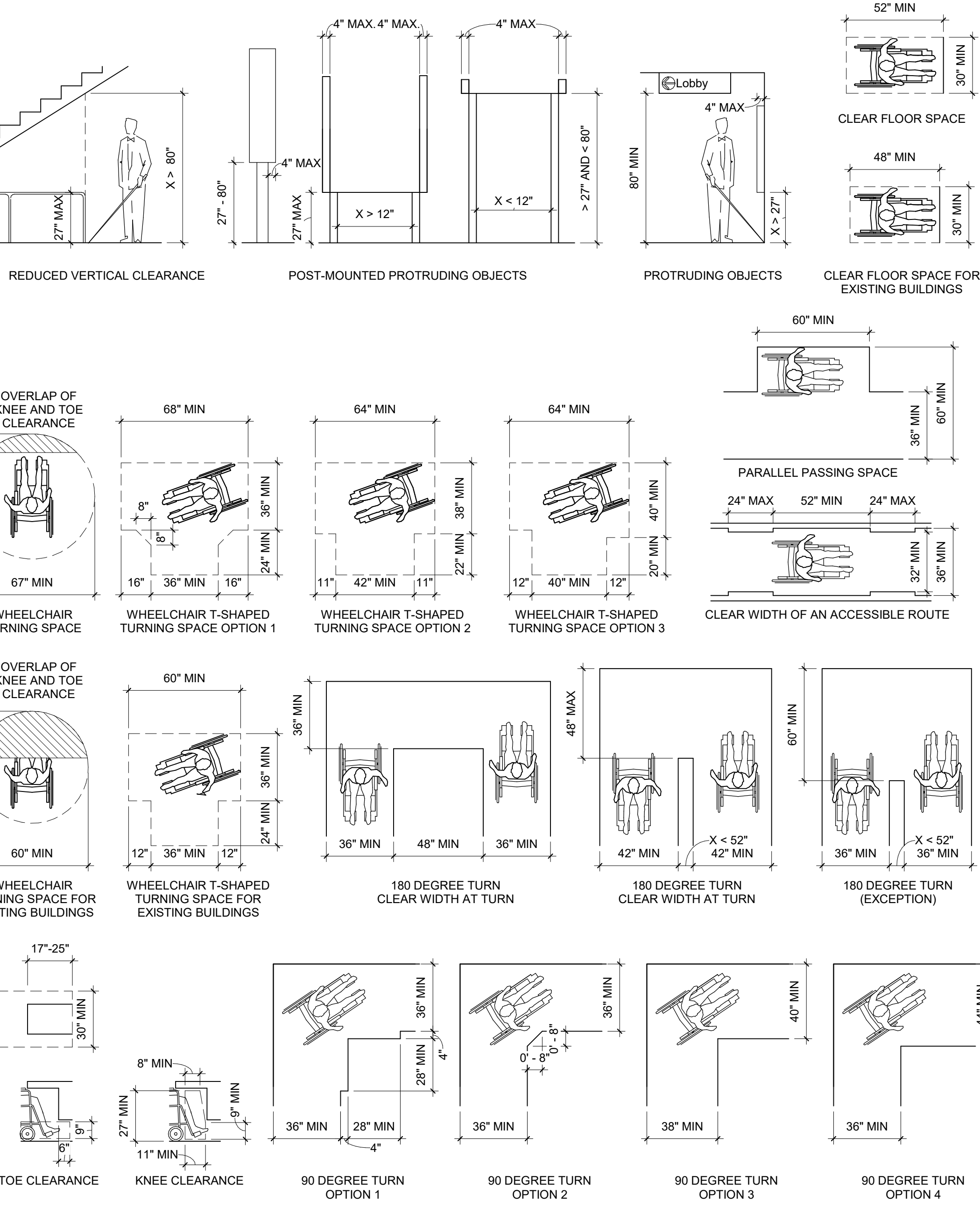
ADA DOOR CLEARANCES



ADA REACH RANGES



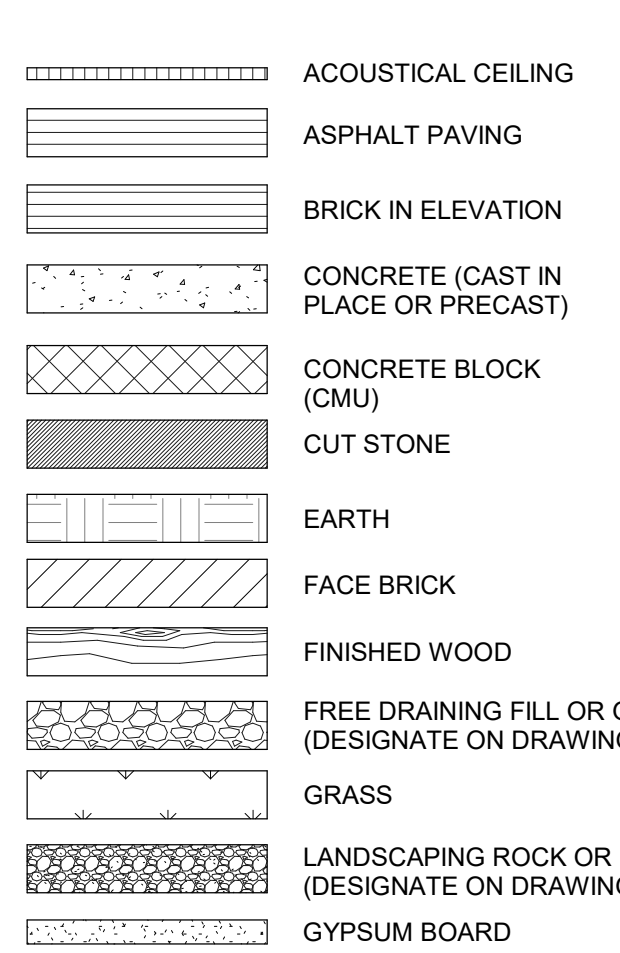
ADA TURN RADIUS AND CLEARANCES



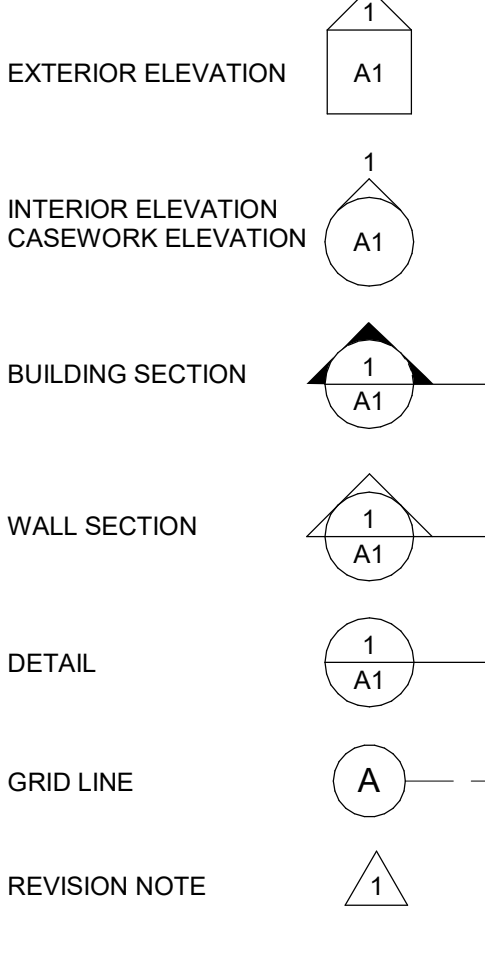
ADA CLEARANCES

1/4\"/>

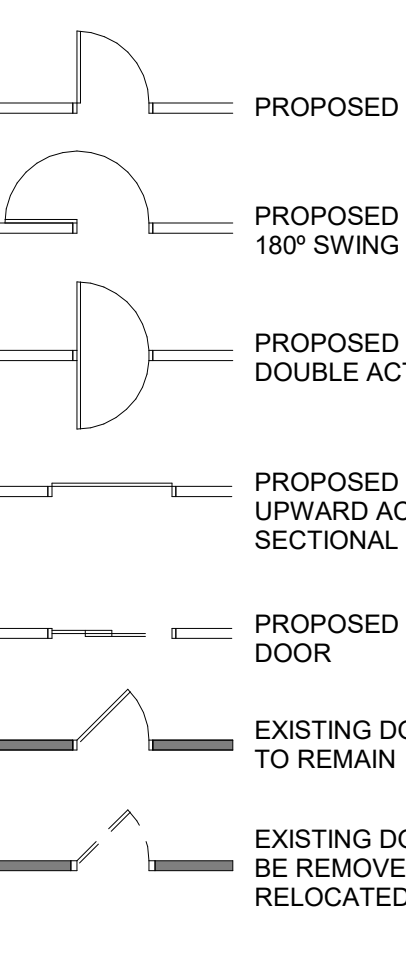
GENERAL HATCH PATTERNS



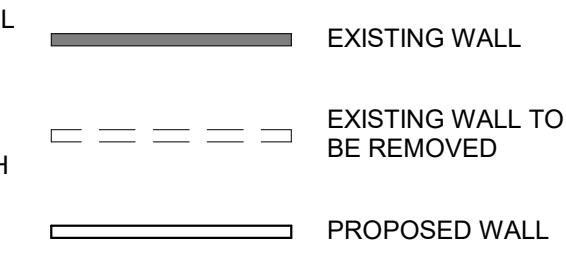
GENERAL SYMBOLS



DOOR SYMBOLS



WALL LEGEND



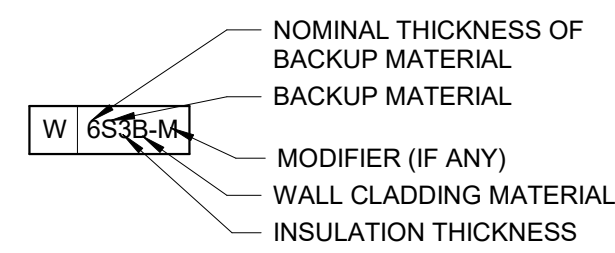
Revisions	Rev	Description	Date
	22072	Issued for Bidding	02-13-2024
	MEM	Issued for Construction	

EXTERIOR WALL SYSTEMS - SEE ELEVATIONS AND WALL SECTIONS

GENERAL EXTERIOR WALL SYSTEM NOTES:

1. PROVIDE FIRE RATED GYPSUM BOARD IN LIEU OF STANDARD GYPSUM BOARD AT FIRE RATED CONDITIONS.
2. PROVIDE MOISTURE RESISTANT (OR TILE BACKER BOARD) AT WALL TILE LOCATIONS IN LIEU OF STANDARD GYPSUM BOARD AT RESTROOMS AND/OR CUSTODIAL AREAS.

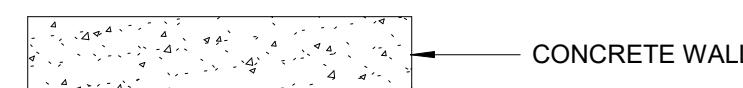
SYMBOL LEGEND:



MODIFIER LEGEND:

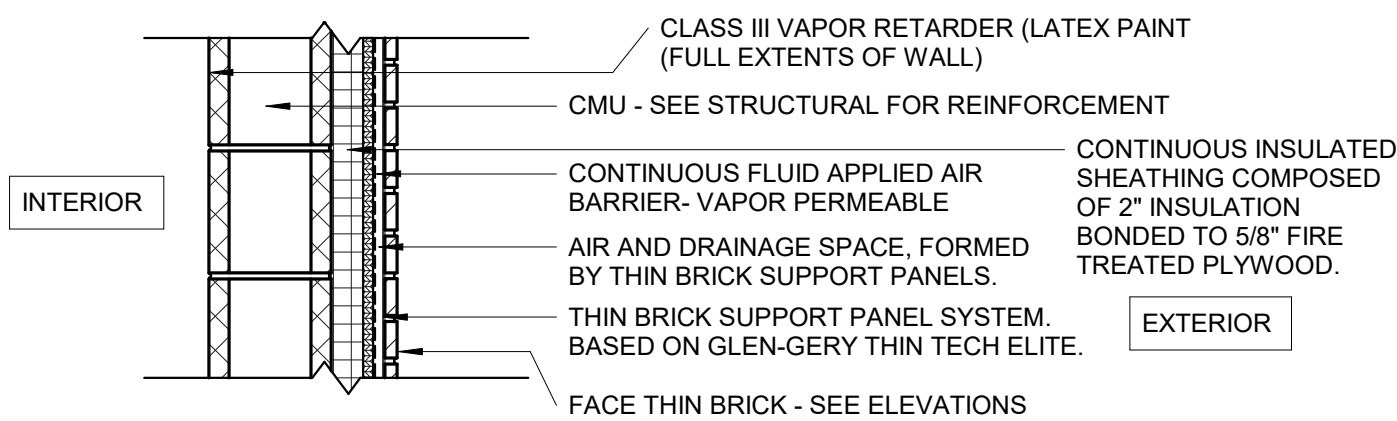
- T THERMALLY INSULATED WALL - PROVIDE NON FACED R-XX THERMAL INSULATION, VAPOR RETARDER, AND AIR BARRIER
- F1 1 HOUR FIRE RATED WALL - SEE WALL TYPE FOR UL FIRE RESISTANCE DESIGN NUMBER
- F2 2 HOUR FIRE RATED WALL - SEE WALL TYPE FOR UL FIRE RESISTANCE DESIGN NUMBER
- F3 3 HOUR FIRE RATED WALL - SEE WALL TYPE FOR UL FIRE RESISTANCE DESIGN NUMBER
- F4 4 HOUR FIRE RATED WALL - SEE WALL TYPE FOR UL FIRE RESISTANCE DESIGN NUMBER
- S SMOKE RATED WALL

CONCRETE FOUNDATION



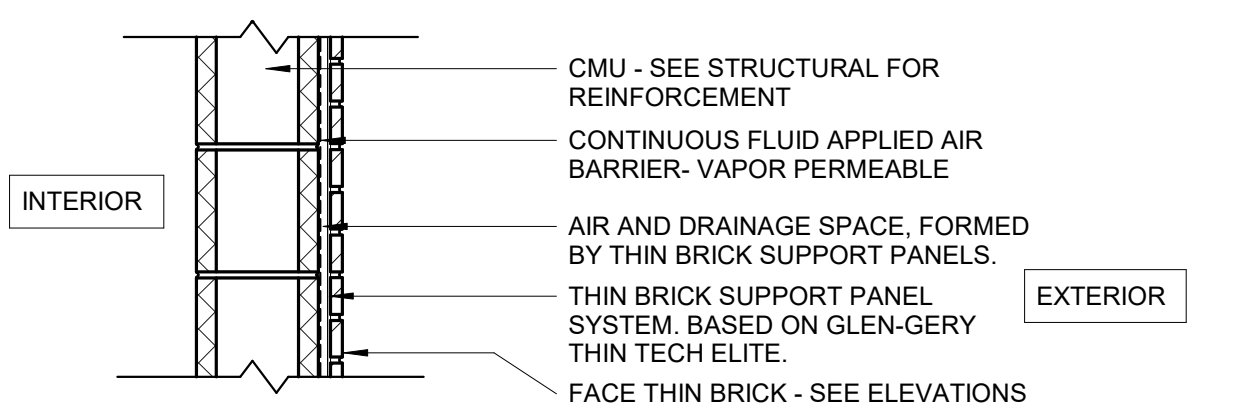
PARTITION TYPE	WIDTH	FIRE RESISTANCE
4C	4"	F1 NA
6C	6"	F2 NA
8C	8"	F3 NA
10C	10"	F4 NA
12C	12"	F4 NA

CMU BACKUP SYSTEM WITH THIN BRICK VENEER



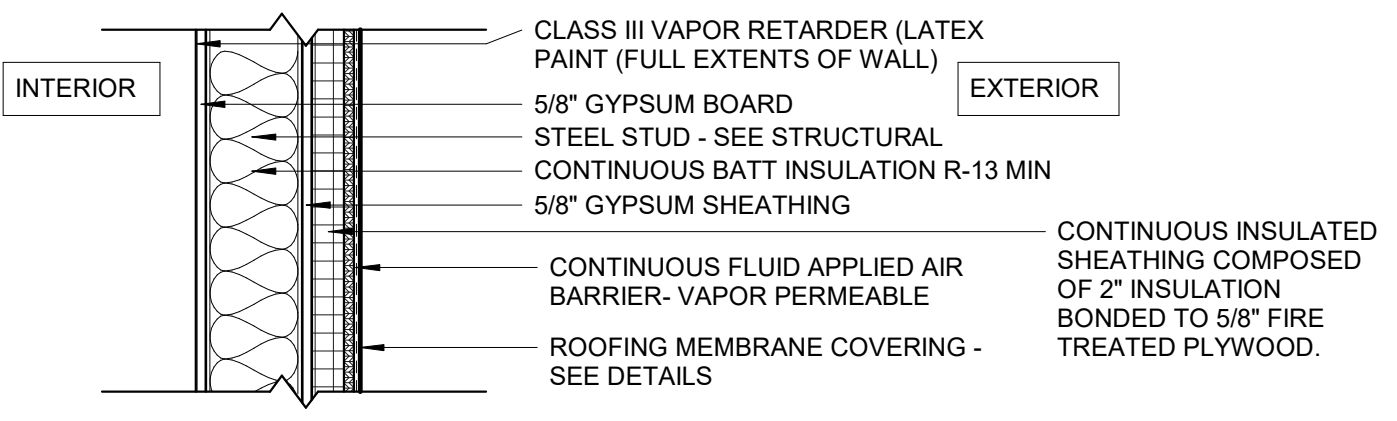
WALL TYPE	CMU WIDTH	SEE SECTIONS AND SPECIFICATIONS FOR MASONRY VENT LOCATIONS	ADD'L FOLLOW THIN BRICK MFR'S REC'S FOR VENTING
6M2.5B	5 5/8"	SEE SECTIONS FOR LOCATIONS OF THRU-WALL FLASHING AND GAVITY WEEPS	
8M2.5B	7 5/8"		
10M2.5B	9 5/8"		

UNINSULATED CMU BACKUP SYSTEM WITH THIN BRICK VENEER



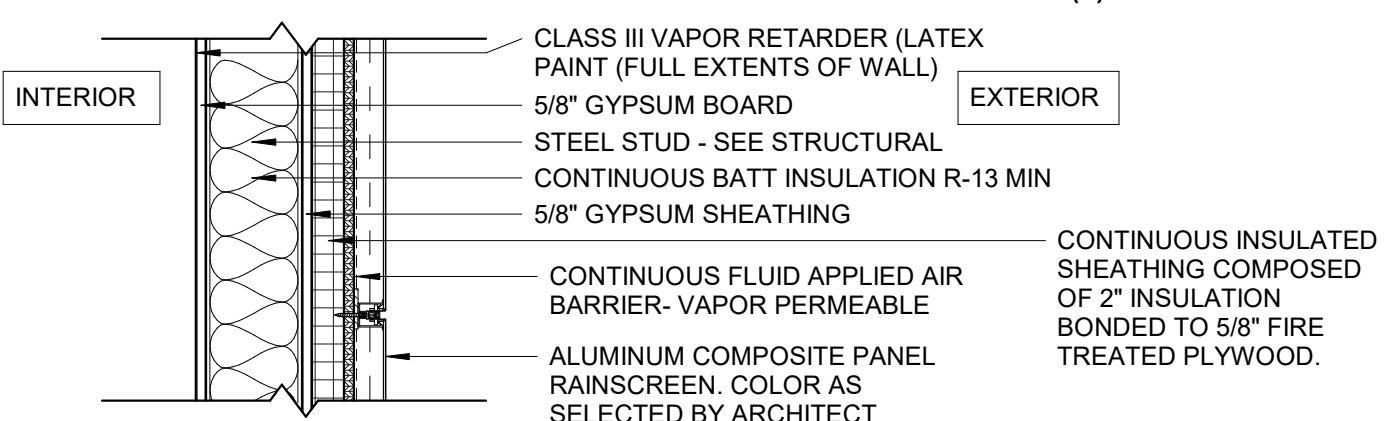
WALL TYPE	CMU WIDTH	SEE SECTIONS FOR LOCATIONS OF THRU-WALL FLASHING AND GAVITY WEEPS	ADD'L FOLLOW THIN BRICK MFR'S REC'S FOR VENTING
6M0B	5 5/8"	SEE SECTIONS FOR LOCATIONS OF THRU-WALL FLASHING AND GAVITY WEEPS	
8M0B	7 5/8"		
10M0B	9 5/8"		

INSULATED STEEL STUD BACKUP SYSTEM



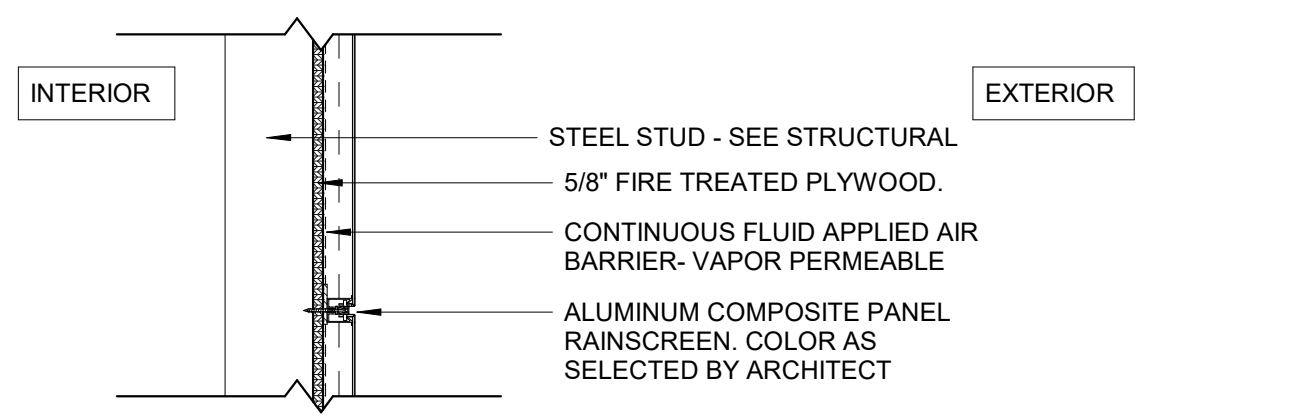
WALL TYPE	STUD WIDTH
4S1.5-T	3 5/8"
6S1.5-T	6"
8S1.5-T	8"

STEEL STUD BACKUP SYSTEM WITH CAULKLESS ALUMINUM COMPOSITE PANELS (A)



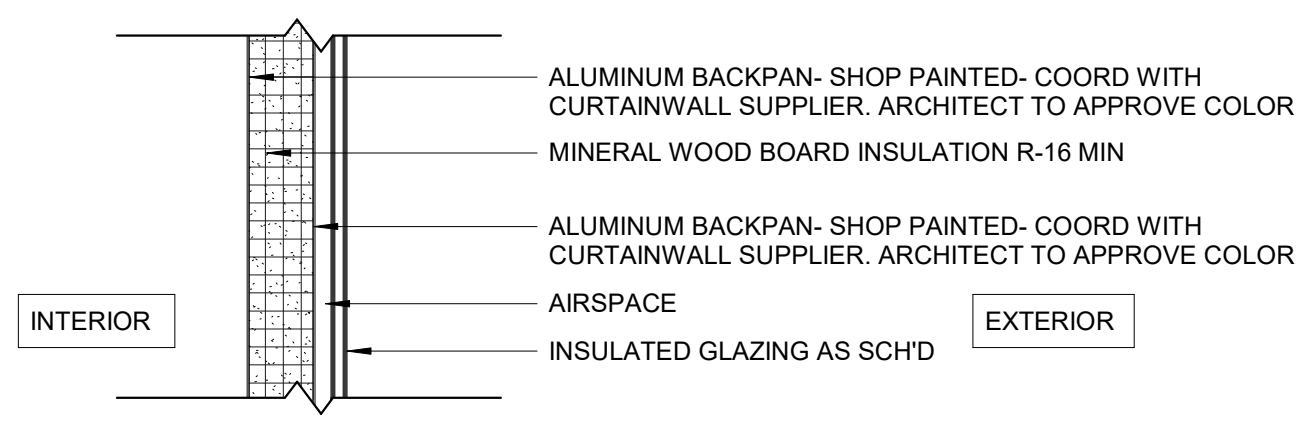
WALL TYPE	STUD WIDTH
4S1.5A-T	3 5/8"
6S1.5A-T	6"
8S1.5A-T	8"

UNINSULATED STEEL STUD BACKUP SYSTEM WITH CAULKLESS ALUMINUM COMPOSITE PANELS (A)



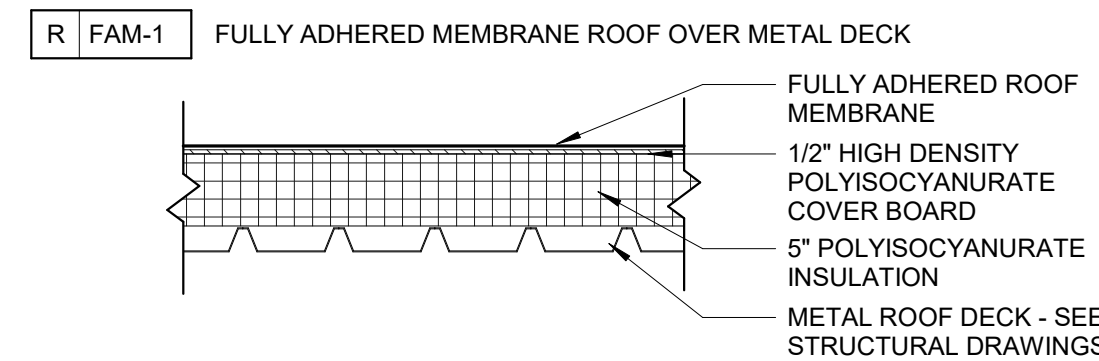
WALL TYPE	STUD WIDTH
2S0A	2 1/2"
4S0A	3 5/8"
6S0A	6"
8S0A	8"

CURTAINWALL GLAZED INFILL PANEL



WALL TYPE	INSUL WIDTH	GLAZING TYPE
1:GL1	4"	GL1
1:GL3	4"	GL3

ROOF SYSTEMS



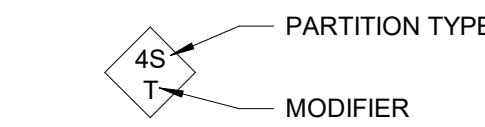
NOTE: THICKNESS OF INSULATION VARIES AT FLAT STRUCTURE
REMARKS: MINIMUM R-VALUE = R-30

INTERIOR PARTITION SYSTEMS

GENERAL PARTITION NOTES:

1. PARTITION TO EXTEND TO STRUCTURE ABOVE OR EQUIVALENT UNLESS NOTED OTHERWISE.
2. PROVIDE FIRE RATED GYPSUM BOARD IN LIEU OF STANDARD GYPSUM BOARD AT FIRE RATED CONDITIONS.
3. PROVIDE MOISTURE RESISTANT (OR TILE BACKER BOARD) AT WALL TILE LOCATIONS IN LIEU OF STANDARD GYPSUM BOARD AT RESTROOMS AND/OR CUSTODIAL AREAS.

SYMBOL LEGEND:



NA NOT AVAILABLE

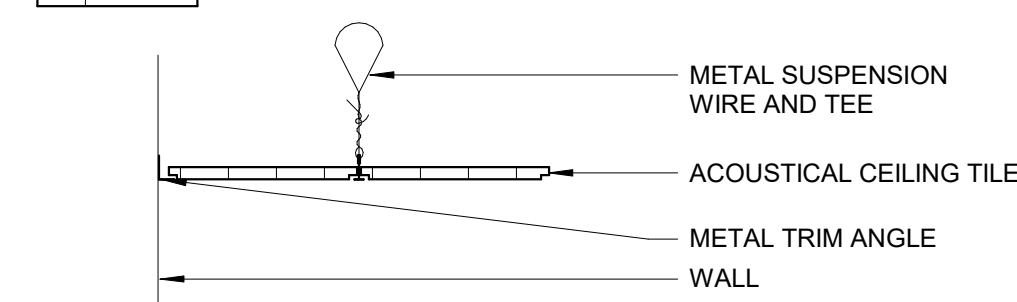
UL# UNDERWRITERS LABORATORY (UL)
FIRE RESISTANCE DESIGN NUMBER

MODIFIER LEGEND:

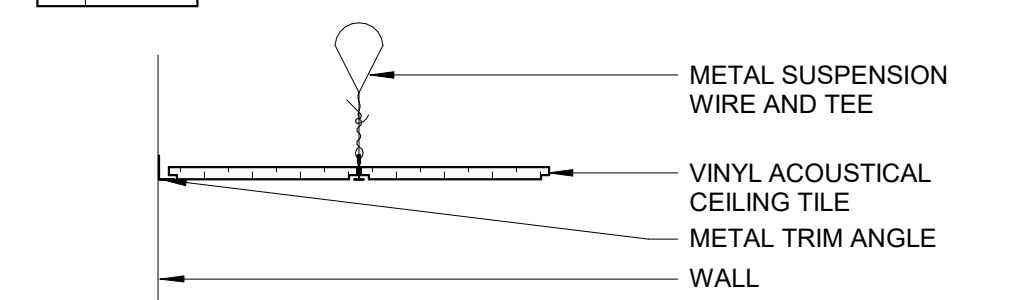
- A ACoustically RATED PARTITION - PROVIDE SOUND ATTENUATION INSULATION
- B NON RATED, EXTEND 6" ABOVE SUSPENDED CEILING, BRACE TO STRUCTURE ABOVE
- C NON RATED, EXTEND TO BOTTOM OF STRUCTURE ABOVE
- T THERMALLY RATED PARTITION - PROVIDE NON FACED R-13 THERMAL INSULATION
- F1 1 HOUR FIRE RATED PARTITION - SEE PARTITION TYPE FOR UL FIRE RESISTANCE DESIGN NUMBER
- F2 2 HOUR FIRE RATED PARTITION - SEE PARTITION TYPE FOR UL FIRE RESISTANCE DESIGN NUMBER
- F3 3 HOUR FIRE RATED PARTITION - SEE PARTITION TYPE FOR UL FIRE RESISTANCE DESIGN NUMBER
- F4 4 HOUR FIRE RATED PARTITION - SEE PARTITION TYPE FOR UL FIRE RESISTANCE DESIGN NUMBER
- S SMOKE RATED PARTITION
- X'-X" PARTIAL HEIGHT PARTITION - SEE FLOOR PLAN FOR PARTITION HEIGHT

CEILING SYSTEMS

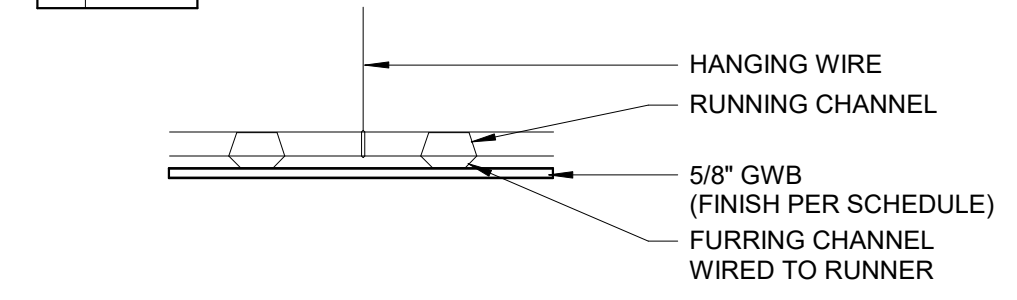
C SACT SUSPENDED ACOUSTICAL CEILING TILE SYSTEM



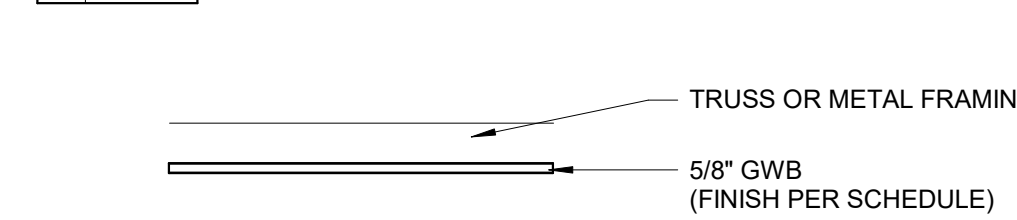
C SVACT SUSPENDED ACOUSTICAL CEILING TILE SYSTEM



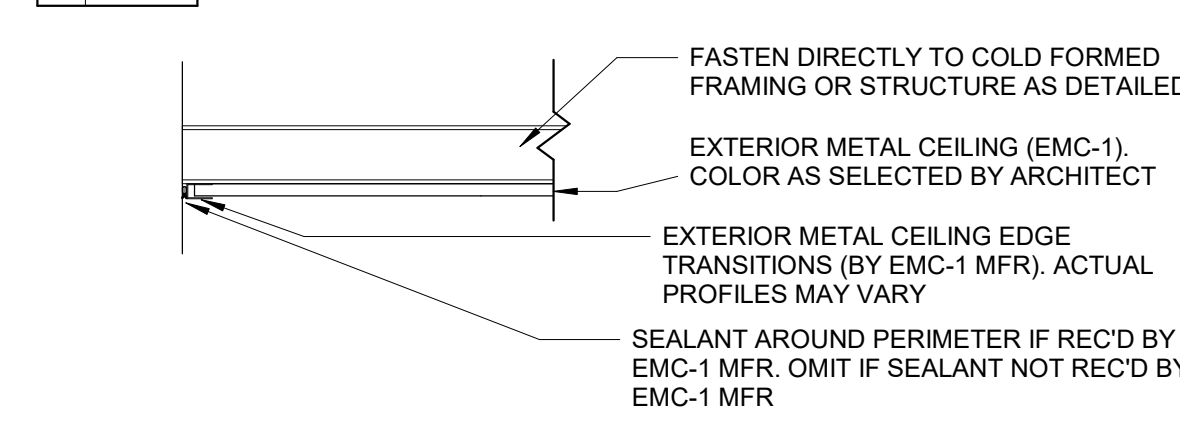
C SGWB SUSPENDED GYPSUM WALL BOARD CEILING SYSTEM



C GWB GYPSUM WALL BOARD CEILING SYSTEM

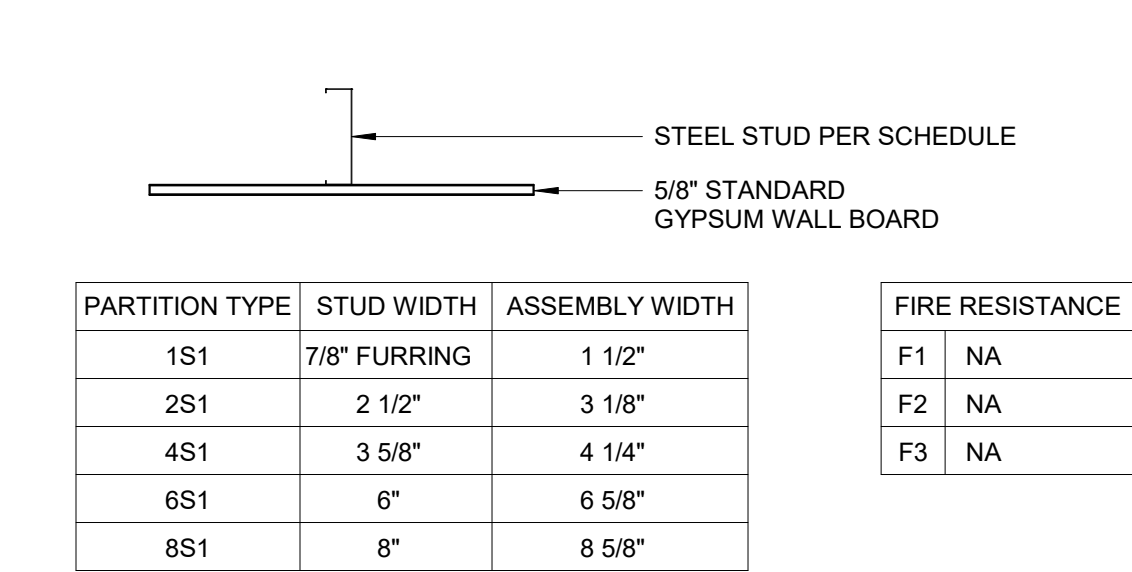


C EMC-1 EXTERIOR METAL PANEL SOFFIT SYSTEM

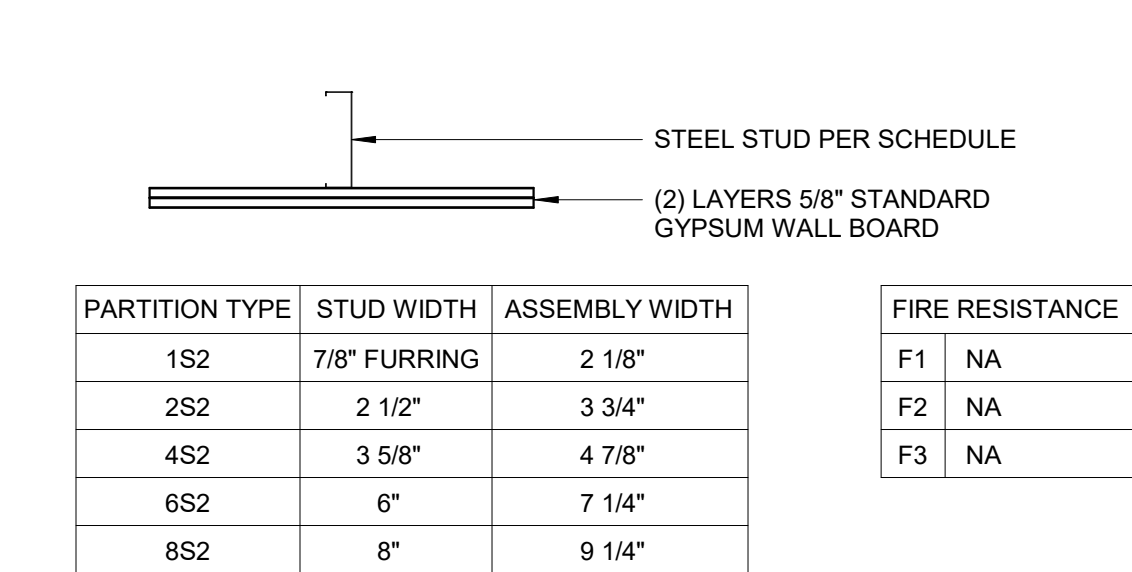


INTERIOR STEEL STUD PARTITION TYPES:

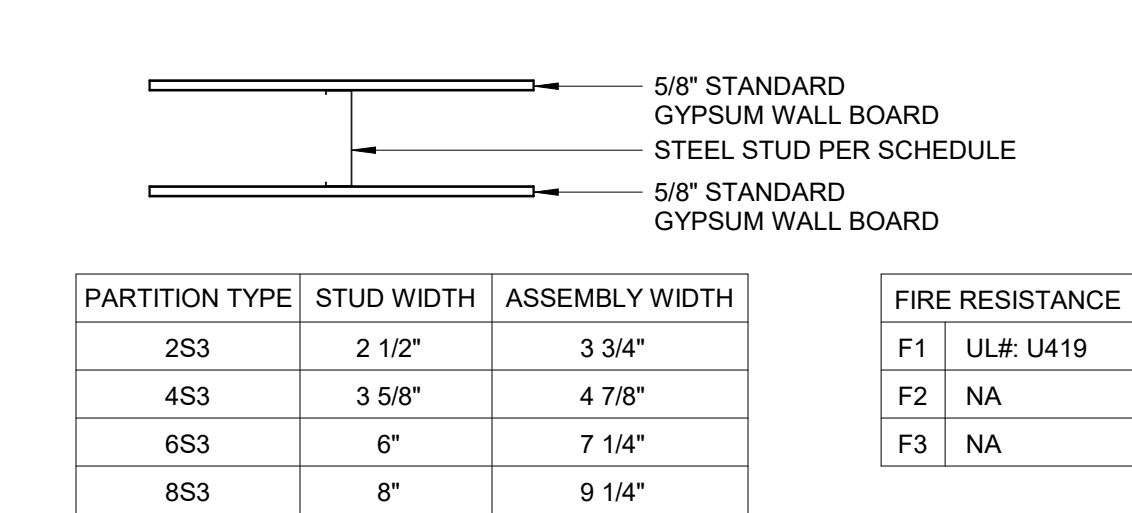
1 LAYER GWB ONE SIDE



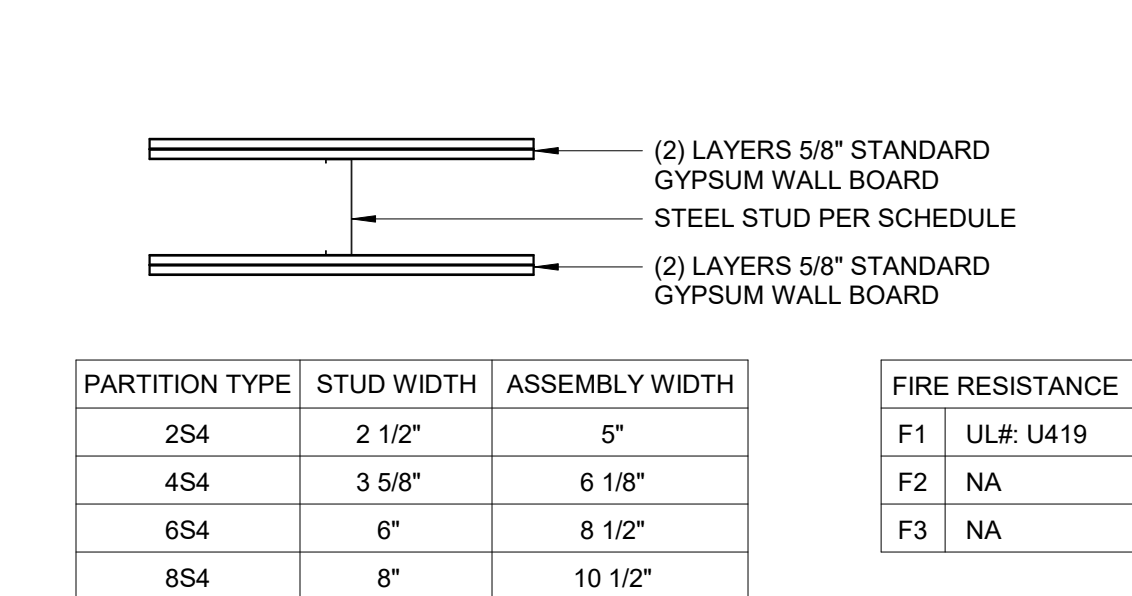
2 LAYERS GWB ONE SIDE



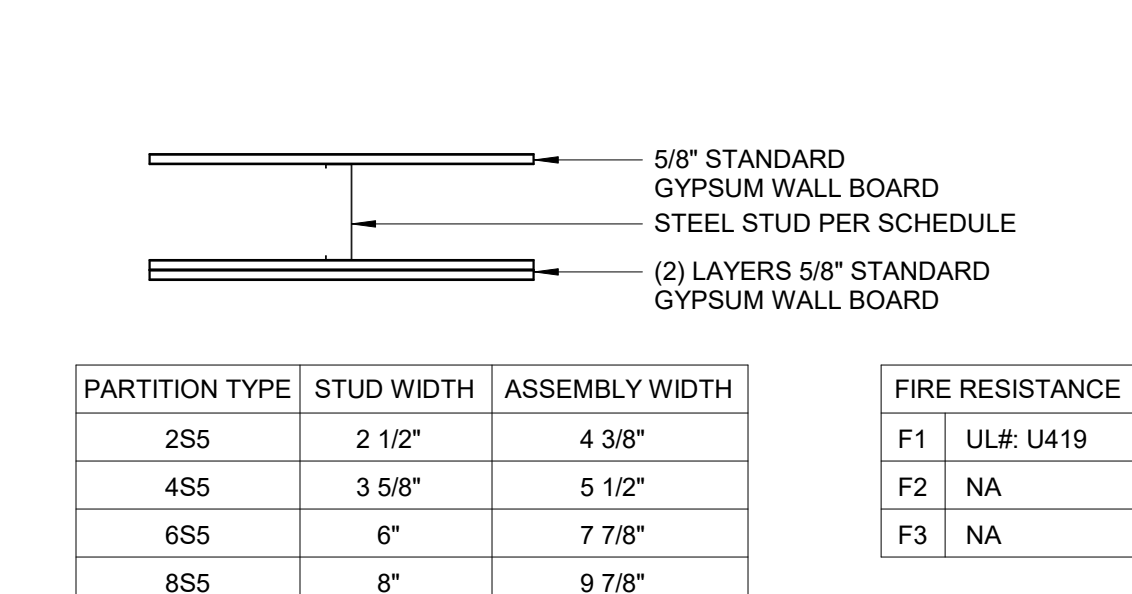
1 LAYER GWB EACH SIDE



2 LAYERS GWB EACH SIDE

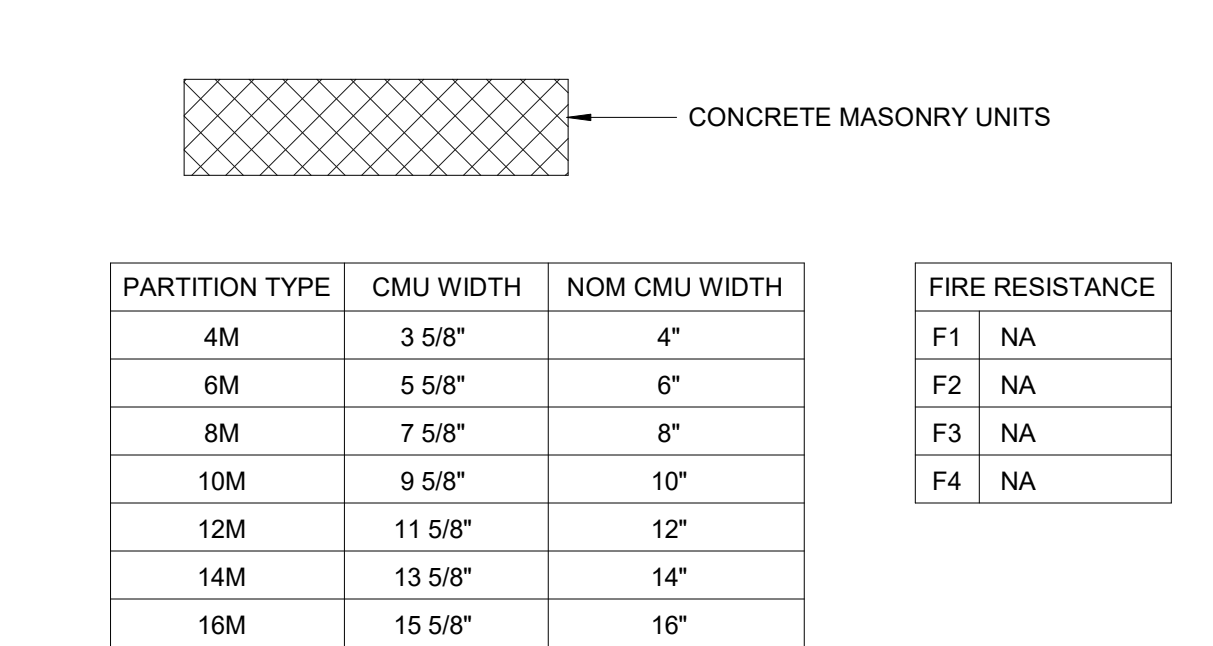


1 LAYER GWB ONE SIDE, 2 LAYERS GWB OTHER SIDE

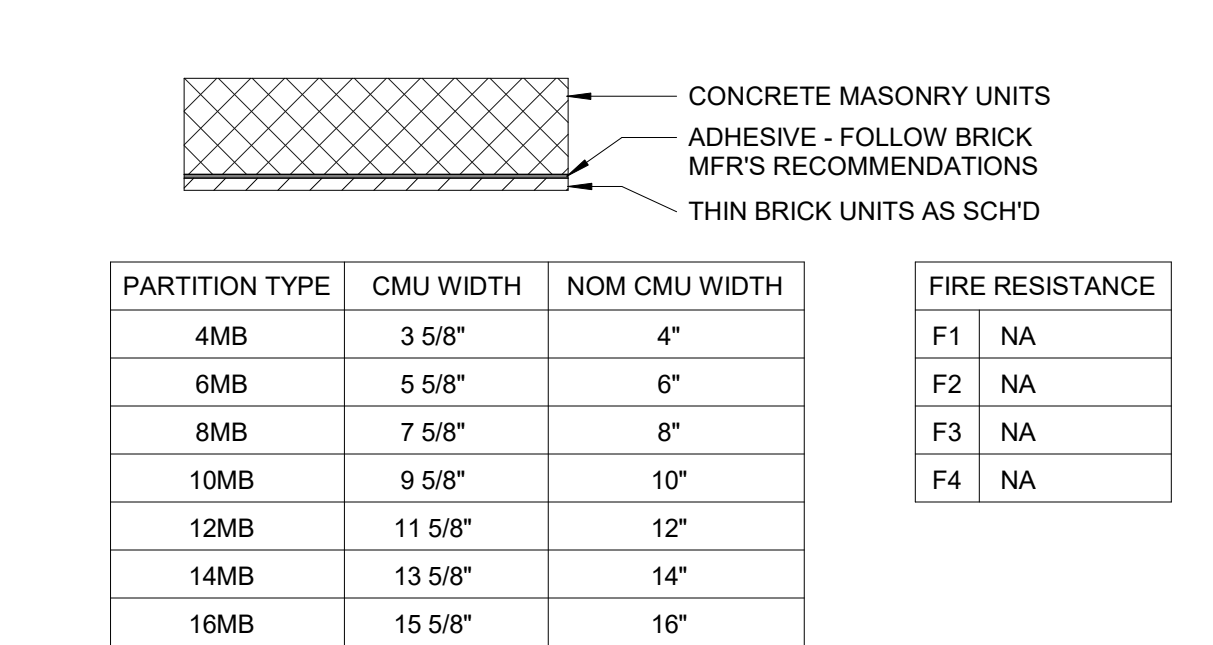


INTERIOR MASONRY AND CONCRETE PARTITION TYPES

CONCRETE MASONRY UNIT



CONCRETE MASONRY UNIT WITH THIN BRICK VENEER



Rev	Description	Date
22072	Issued for Bidding	02-13-2024
MEM	Issued for Construction	

Project Number: 22072
Project Manager: MEM
Approved By: [Signature]
All content based on: 3/4/24 14:28:14
2/11/2024 11:24:11 AM



- GENERAL NOTES**
- INTERIOR WALLS ARE DIMENSIONED TO CENTER OF FRAMING U.N.O.
 - EXTERIOR WALLS ARE DIMENSIONED TO OUTSIDE FACE OF BRICK AND OUTSIDE FACE OF PLYWOOD AT FRAMED EXTERIOR WALLS.
 - OFFSET HINGED SIDE OF DOOR R.O. 4" FROM ADJACENT WALL UNLESS DIMENSIONED OTHERWISE ON PLAN.
 - CONTRACTOR SHALL PROVIDE BLOCKING IN FRAMED WALLS FOR SUPPORT OF WALL MOUNTED HARDWARE INDICATED.
 - UNLESS NOTED OTHERWISE, BOLD LINEWORK DENOTES WORK OF THIS CONTRACT, DASHED LINEWORK DENOTES EXISTING TO BE DEMOLISHED, AND FADED LINEWORK DENOTES EXISTING TO REMAIN.
 - ALL EXISTING CONSTRUCTION AND ITEMS TO REMAIN, INCLUDING BUT NOT LIMITED TO ITEMS INDICATED ON THESE DRAWINGS SHALL BE PROTECTED THROUGHOUT THE DURATION OF THE PROJECT. ANY ITEM THAT IS DAMAGED SHALL BE REPLACED OR REPAIRED TO THE OWNER'S SATISFACTION.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND OBSERVE ALL EXISTING CONDITIONS BEFORE BIDDING THE PROJECT. CONTACT ARCHITECT WITH ANY DISCREPANCIES. FAILURE TO DO SO DOES NOT RELIEVE THE CONTRACTOR FROM PROVIDING A COMPLETE PROJECT AS INTENDED.
 - GENERAL CONTRACTOR TO PROVIDE ALL INDICATED AND REQUIRED DEMOLITION WORK EXCEPT WHERE SPECIFICALLY INDICATED TO BE PROVIDED BY OTHER CONTRACTS OR SHOWN BY OTHER DISCIPLINES AS THEIR WORK.
 - ANY DAMAGE TO ADJACENT SURFACES, FINISHES OR ACCESSORIES DURING THE DEMOLITION OR NEW CONSTRUCTION PHASE SHALL BE REPAIRED TO MATCH THE EXISTING CONDITION BY THE DISCIPLINE WHOSE WORK RESULTED IN THE DAMAGE USE MATERIALS TO MATCH OR RESEMBLE EXISTING AND HAVE SAME FINISHES AS THOSE REMOVED AND/OR ADJACENT MATERIALS UNLESS OTHERWISE NOTED.
 - REMODELING, MODIFYING, PATCHING AND REPAIR OF EXISTING BUILDING COMPONENTS SHALL BE DONE AS REQUIRED TO PRODUCE FINISHED WORK EQUAL IN QUALITY TO THE NEW WORK AS SPECIFIED AND DETAILED. CUTTING AND PATCHING SHALL BE THE RESPONSIBILITY OF THE TRADE WHOSE WORK RESULTS IN THE NEED FOR CUTTING AND PATCHING UNLESS A SPECIFIC CONTRACTOR IS CALLED OUT ON THE DRAWINGS. QUALITY OF WORKMANSHIP, MATERIALS AND QUALITY OF FINISH SHALL BE EQUAL TO THE LEVEL ESTABLISHED FOR SIMILAR NEW WORK. EXCEPT WHERE EXISTING APPEARANCE IS TO BE MATCHED TO PROVIDE CONTINUITY.

- PLAN KEY NOTES**
- NEW CURTAINWALL OR STOREFRONT ASSEMBLY AS SCHED. MATCH OPENING DIMENSIONS OF EXISTING CURTAINWALL OR STOREFRONT TO BE DEMOLISHED. SEE FRAMING ELEVATIONS.
 - INFILL FOUNDATION WALL WITH 12" THICK REINFORCED CONCRETE CONSTRUCTION THAT IS WATERTIGHT. SEE STR SHEETS FOR REINFORCING AND TIE-IN REQUIREMENTS.
 - NEW EGRESS DOOR. SIZE DOOR TO FIT INTO CURTAINWALL MULLION PATTERN.
 - NEW CONCRETE WALK. SEE SHEET C1.0.
 - NEW CONCRETE PLANTER. SEE SHEET A1.3.

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION BUILDING - ADDITION & ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

Rev	Description	Date
22072	Issued for Bidding	02-13-2024
MEM	Issued for Construction	

Project Manager: MEM
Address: 1900 N. 3rd Street, Clinton, IA 52732
All content based on: 20422 - 1st Sheet

Sheet Title

BASEMENT FLOOR PLAN AND NOTES

A1.0

- GENERAL NOTES**
- INTERIOR WALLS ARE DIMENSIONED TO CENTER OF FRAMING U.N.O.
 - EXTERIOR WALLS ARE DIMENSIONED TO OUTSIDE FACE OF BRICK AND OUTSIDE FACE OF PLYWOOD AT FRAMED EXTERIOR WALLS.
 - OFFSET HINGED SIDE OF DOOR R.O. 4" FROM ADJACENT WALL UNLESS DIMENSIONED OTHERWISE ON PLAN.
 - CONTRACTOR SHALL PROVIDE BLOCKING IN FRAMED WALLS FOR SUPPORT OF WALL MOUNTED HARDWARE INDICATED.
 - UNLESS NOTED OTHERWISE, BOLD LINEWORK DENOTES WORK OF THIS CONTRACT, DASHED LINEWORK DENOTES EXISTING TO BE DEMOLISHED, AND FADED LINEWORK DENOTES EXISTING TO REMAIN.
 - ALL EXISTING CONSTRUCTION AND ITEMS TO REMAIN, INCLUDING BUT NOT LIMITED TO ITEMS INDICATED ON THESE DRAWINGS SHALL BE PROTECTED THROUGHOUT THE DURATION OF THE PROJECT. ANY ITEM THAT IS DAMAGED SHALL BE REPLACED OR REPAIRED TO THE OWNER'S SATISFACTION.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND OBSERVE ALL EXISTING CONDITIONS BEFORE BIDDING THE PROJECT. CONTACT ARCHITECT WITH ANY DISCREPANCIES. FAILURE TO DO SO DOES NOT RELIEVE THE CONTRACTOR FROM PROVIDING A COMPLETE PROJECT AS INTENDED.
 - GENERAL CONTRACTOR TO PROVIDE ALL INDICATED AND REQUIRED DEMOLITION WORK EXCEPT WHERE SPECIFICALLY INDICATED TO BE PROVIDED BY OTHER CONTRACTS OR SHOWN BY OTHER DISCIPLINES AS THEIR WORK.
 - ANY DAMAGE TO ADJACENT SURFACES, FINISHES OR ACCESSORIES DURING THE DEMOLITION OR NEW CONSTRUCTION PHASE SHALL BE REPAIRED TO MATCH THE EXISTING CONDITION BY THE DISCIPLINE WHOSE WORK RESULTED IN THE DAMAGE USE MATERIALS TO MATCH OR RESEMBLE EXISTING AND HAVE SAME FINISHES AS THOSE REMOVED AND/OR ADJACENT MATERIALS UNLESS OTHERWISE NOTED.
 - REMODELING, MODIFYING, PATCHING AND REPAIR OF EXISTING BUILDING COMPONENTS SHALL BE DONE AS REQUIRED TO PRODUCE FINISHED WORK EQUAL IN QUALITY TO THE NEW WORK AS SPECIFIED AND DETAILED. CUTTING AND PATCHING SHALL BE THE RESPONSIBILITY OF THE TRADE WHOSE WORK RESULTS IN THE NEED FOR CUTTING AND PATCHING UNLESS A SPECIFIC CONTRACTOR IS CALLED OUT ON THE DRAWINGS. QUALITY OF WORKMANSHIP, MATERIALS AND QUALITY OF FINISH SHALL BE EQUAL TO THE LEVEL ESTABLISHED FOR SIMILAR NEW WORK. EXCEPT WHERE EXISTING APPEARANCE IS TO BE MATCHED TO PROVIDE CONTINUITY.

- PLAN KEY NOTES**
- NEW CURTAINWALL OR STOREFRONT ASSEMBLY AS SCHED. MATCH OPENING DIMENSIONS OF EXISTING CURTAINWALL OR STOREFRONT TO BE DEMOLISHED. SEE FRAMING ELEVATIONS.
 - INFILL FOUNDATION WALL WITH 12" THICK REINFORCED CONCRETE CONSTRUCTION THAT IS WATERTIGHT. SEE STR SHEETS FOR REINFORCING AND TIE-IN REQUIREMENTS.
 - NEW EGRESS DOOR. SIZE DOOR TO FIT INTO CURTAINWALL MULLION PATTERN.
 - NEW CONCRETE WALK. SEE SHEET C1.0.
 - NEW CONCRETE PLANTER. SEE SHEET A1.3.



Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

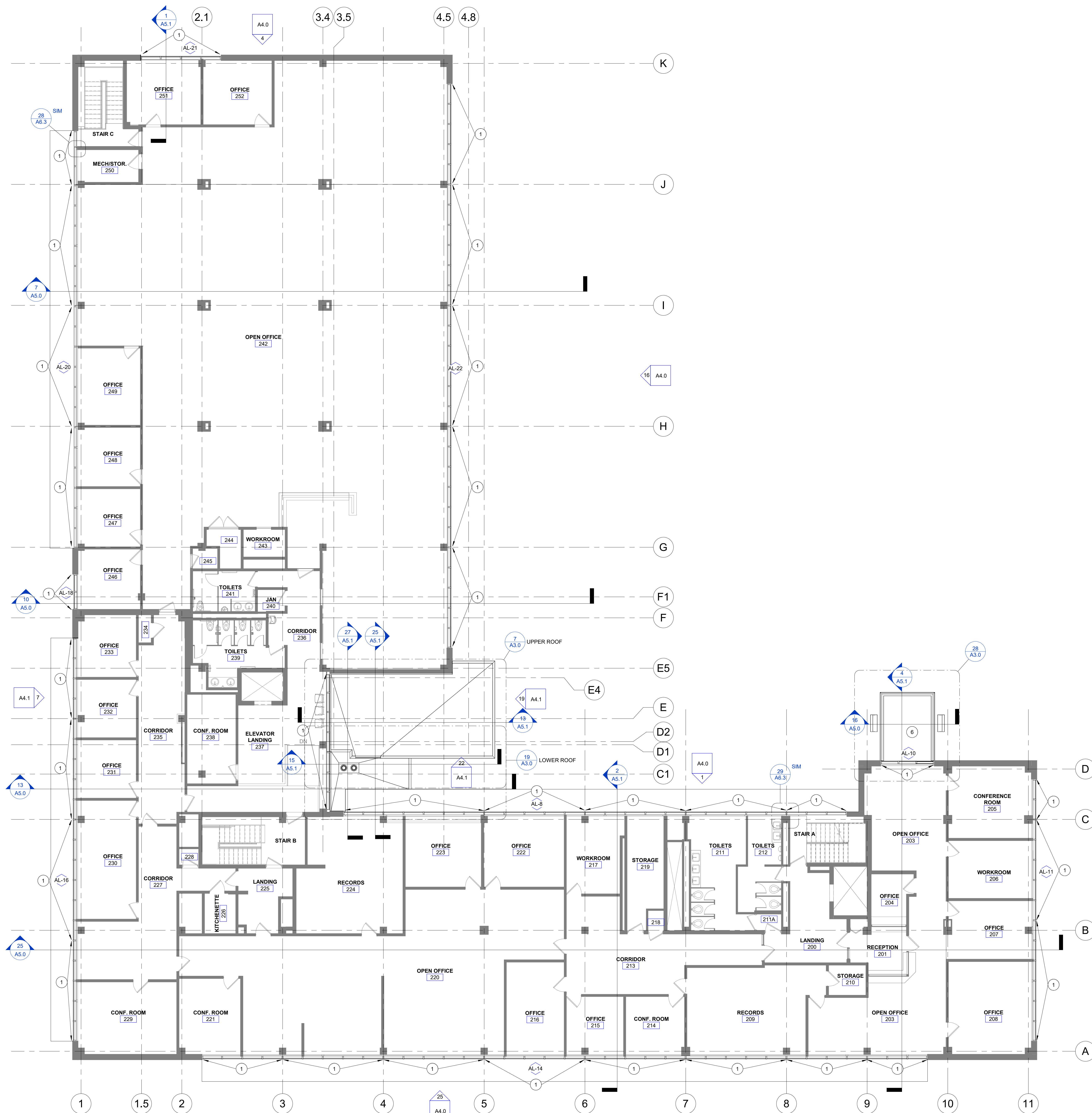
Rev	Description	Date
25	Issued for Bidding	02-13-2024
MEM	Issued for Construction	

Project Manager: MEM
2/13/2024 11:45:14 AM
All content based on: 20472 - 1st floor plan

Sheet Title

**FIRST FLOOR
PLAN AND
NOTES**

A1.1



- GENERAL NOTES**
- INTERIOR WALLS ARE DIMENSIONED TO CENTER OF FRAMING U.N.O.
 - EXTERIOR WALLS ARE DIMENSIONED TO OUTSIDE FACE OF BRICK AND OUTSIDE FACE OF PLYWOOD AT FRAMED EXTERIOR WALLS.
 - OFFSET HINGED SIDE OF DOOR R.O. 4" FROM ADJACENT WALL UNLESS DIMENSIONED OTHERWISE ON PLAN.
 - CONTRACTOR SHALL PROVIDE BLOCKING IN FRAMED WALLS FOR SUPPORT OF WALL MOUNTED HARDWARE INDICATED.
 - UNLESS NOTED OTHERWISE, BOLD LINEWORK DENOTES WORK OF THIS CONTRACT, DASHED LINEWORK DENOTES EXISTING TO BE DEMOLISHED, AND FADED LINEWORK DENOTES EXISTING TO REMAIN.
 - ALL EXISTING CONSTRUCTION AND ITEMS TO REMAIN, INCLUDING BUT NOT LIMITED TO ITEMS INDICATED ON THESE DRAWINGS SHALL BE PROTECTED THROUGHOUT THE DURATION OF THE PROJECT. ANY ITEM THAT IS DAMAGED SHALL BE REPLACED OR REPAIRED TO THE OWNER'S SATISFACTION.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND OBSERVE ALL EXISTING CONDITIONS BEFORE BIDDING THE PROJECT. CONTACT ARCHITECT WITH ANY DISCREPANCIES. FAILURE TO DO SO DOES NOT RELIEVE THE CONTRACTOR FROM PROVIDING A COMPLETE PROJECT AS INTENDED.
 - GENERAL CONTRACTOR TO PROVIDE ALL INDICATED AND REQUIRED DEMOLITION WORK EXCEPT WHERE SPECIFICALLY INDICATED TO BE PROVIDED BY OTHER CONTRACTS OR SHOWN BY OTHER DISCIPLINES AS THEIR WORK.
 - ANY DAMAGE TO ADJACENT SURFACES, FINISHES OR ACCESSORIES DURING THE DEMOLITION OR NEW CONSTRUCTION PHASE SHALL BE REPAIRED TO MATCH THE EXISTING CONDITION BY THE DISCIPLINE WHOSE WORK RESULTED IN THE DAMAGE USE MATERIALS TO MATCH OR RESEMBLE EXISTING AND HAVE SAME FINISHES AS THOSE REMOVED AND/OR ADJACENT MATERIALS UNLESS OTHERWISE NOTED.
 - REMODELING, MODIFYING, PATCHING AND REPAIR OF EXISTING BUILDING COMPONENTS SHALL BE DONE AS REQUIRED TO PRODUCE FINISHED WORK EQUAL IN QUALITY TO THE NEW WORK AS SPECIFIED AND DETAILED. CUTTING AND PATCHING SHALL BE THE RESPONSIBILITY OF THE TRADE WHOSE WORK RESULTS IN THE NEED FOR CUTTING AND PATCHING UNLESS A SPECIFIC CONTRACTOR IS CALLED OUT ON THE DRAWINGS. QUALITY OF WORKMANSHIP, MATERIALS AND QUALITY OF FINISH SHALL BE EQUAL TO THE LEVEL ESTABLISHED FOR SIMILAR NEW WORK. EXCEPT WHERE EXISTING APPEARANCE IS TO BE MATCHED TO PROVIDE CONTINUITY.

- PLAN KEY NOTES**
- NEW CURTAINWALL OR STOREFRONT ASSEMBLY AS SCHED. MATCH OPENING DIMENSIONS OF EXISTING CURTAINWALL OR STOREFRONT TO BE DEMOLISHED. SEE FRAMING ELEVATIONS.
 - INFILL FOUNDATION WALL WITH 12" THICK REINFORCED CONCRETE CONSTRUCTION THAT IS WATERTIGHT. SEE STR SHEETS FOR REINFORCING AND TIE-IN REQUIREMENTS.
 - NEW EGRESS DOOR. SIZE DOOR TO FIT INTO CURTAINWALL MULLION PATTERN.
 - NEW CONCRETE WALK. SEE SHEET C1.0.
 - NEW CONCRETE PLANTER. SEE SHEET A1.3.

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

Rev	Description	Date
22072	Issued for Bidding	02-13-2024
MEM	Issued for Construction	

Project Manager: MEM
Address: 1000 20th Street, Clinton, IA 52732
All content based on: 20462 - 1st sheet line.

Sheet Title

**SECOND FLOOR
PLAN AND
NOTES**

A1.2

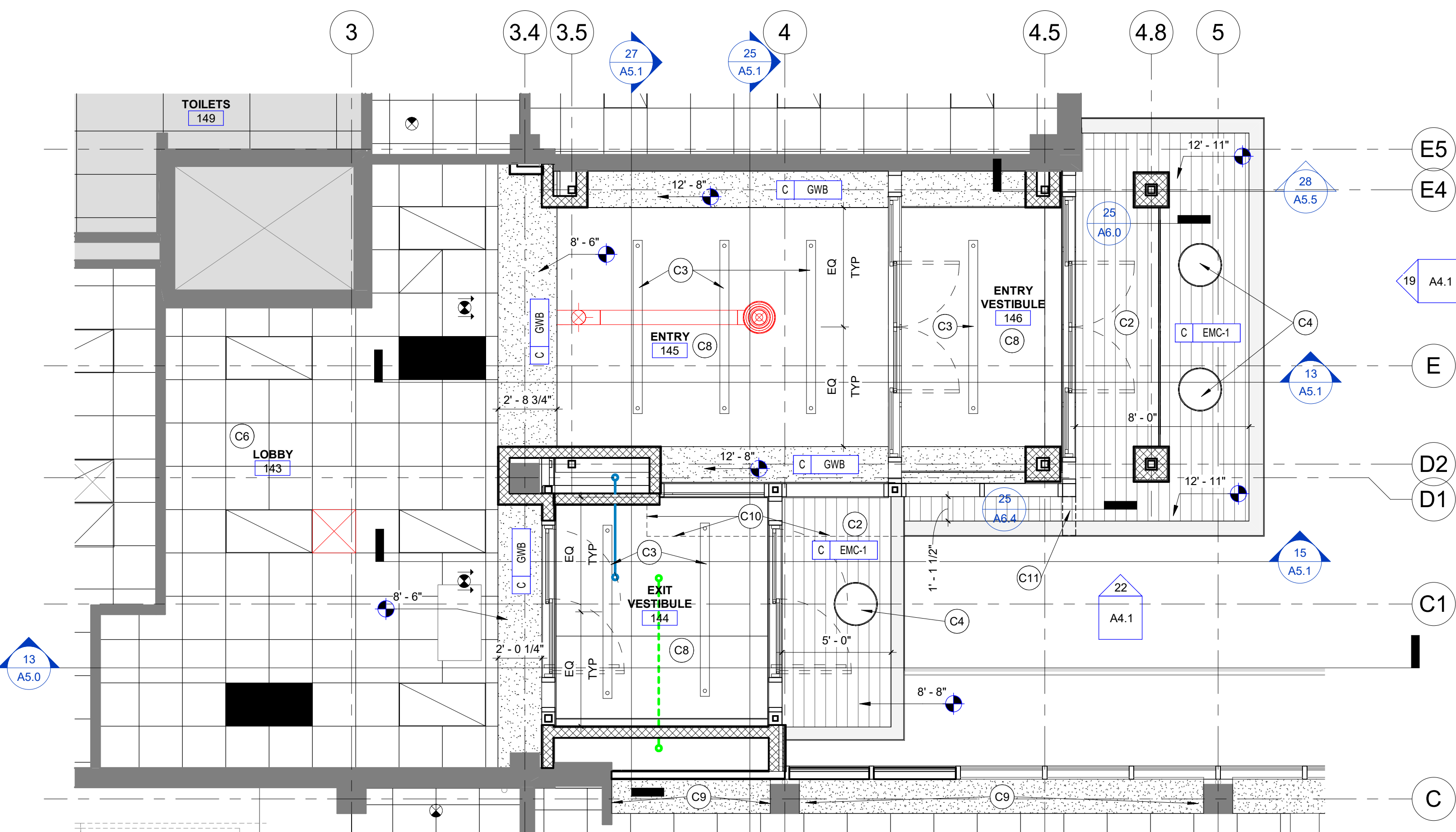


CEILING PLAN LEGEND	
	GYP BD
	EXTERIOR METAL CEILING AS SCH'D
	2x2 ACT

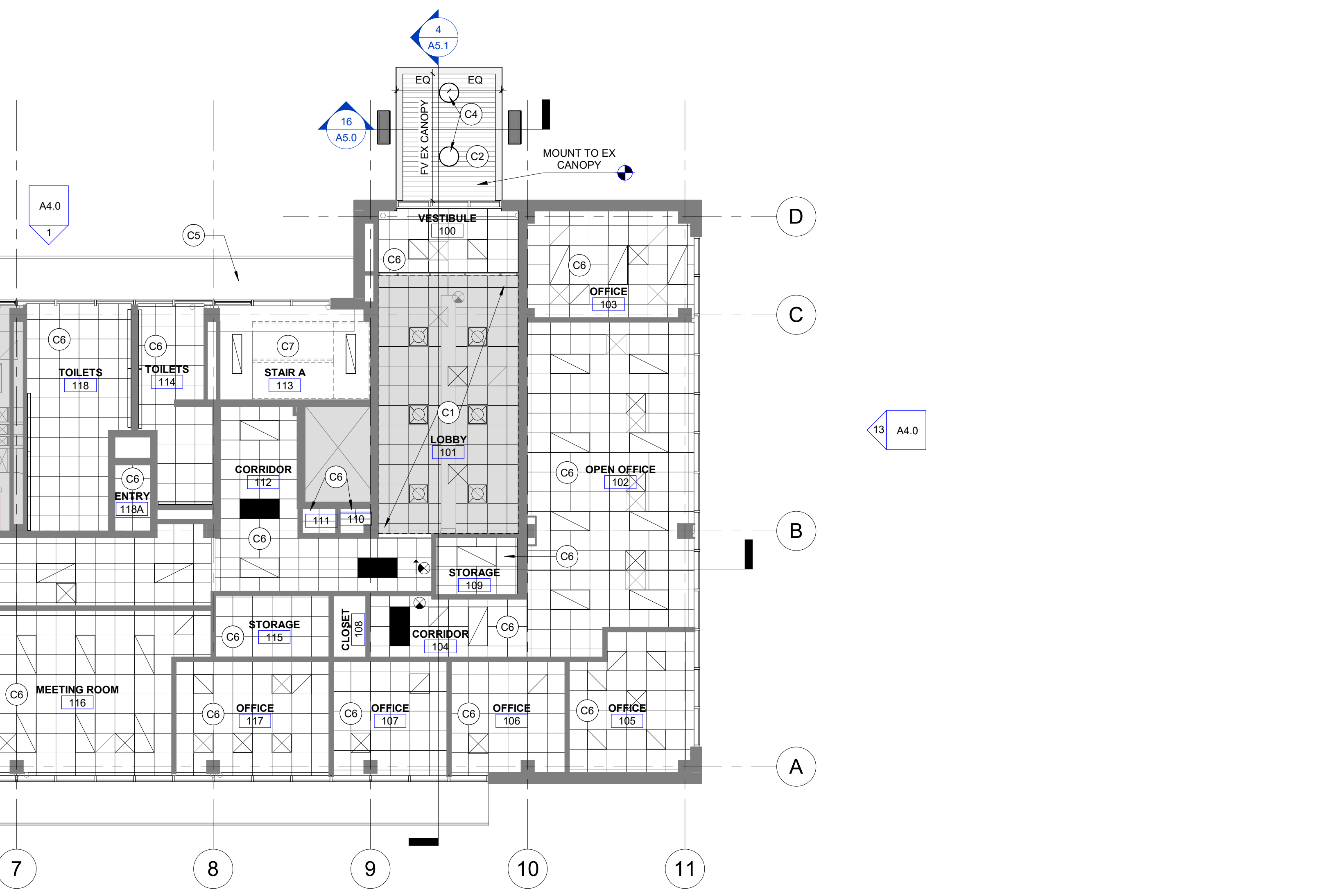
- CEILING PLAN NOTES**
- LIGHTING LAYOUT IS AS SHOWN ON THIS SHEET AND THE ELECTRICAL PLANS. INSTALLATION IS BY ELECTRICAL CONTRACTOR.
 - COORDINATE INSTALLATION OF CEILING TILE WITH LIGHTING INSTALLED BY ELECTRICAL CONTRACTOR AND GRILLE AND DIFFUSER INSTALLATION BY MECHANICAL CONTRACTOR. TILE PATTERN MAY HAVE TO BE ADJUSTED FROM PATTERN SHOWN ON PLAN.
 - DUCTWORK, GRILLES AND DIFFUSER LAYOUT IS AS SHOWN ON THIS SHEET AND THE MECHANICAL PLANS. INSTALLATION IS BY MECHANICAL CONTRACTOR. LOCATIONS SHOWN ARE PREFERRED. MECHANICAL CONTRACTOR MAY ADJUST QUANTITY AND LOCATION AS REQUIRED. DO NOT USE SECTIONS OF TILES LESS THAN 4" IN WIDTH.

- CEILING PLAN KEY NOTES**
- C1 NO CEILING REPLACEMENT WORK IN THIS AREA. EXISTING CEILINGS, LIGHTING, AND HVAC DIFFUSERS TO REMAIN.
 - C2 NEW EXTERIOR METAL PANEL CEILINGS AS SCH'D.
 - C3 NEW INTERIOR 96" LINEAR LIGHT FIXTURES. MAINTAIN A MIN 8'-6" CLR SPACE BELOW WHEN HUNG.
 - C4 NEW RECESSED EXTERIOR LIGHT FIXTURE. ARCHITECT TO SELECT. FINAL LOCATION TO BE DETERMINED AFTER A LIGHT FIXTURE IS SELECTED.
 - C5 NEW EXTERIOR LIGHTING AS SHOWN ON THE ELECTRICAL SHEETS.
 - C6 NEW SUSPENDED CEILING AS SCH'D. MATCH ELEVATION OF PREVIOUS CEILING(S) IN THIS ROOM. REPLACE LIGHTING AND HVAC DIFFUSERS AS SHOWN ON THE MECHANICAL AND ELECTRICAL SHEETS.
 - C7 NEW CEILING MOUNTED LIGHTING AS SHOWN ON THE ELECTRICAL SHEETS.
 - C8 CEILING IN THIS ROOM IS OPEN TO ABOVE. PAINT ALL EXPOSED STRUCTURE, DUCTWORK, CONDUIT, PIPING, WALLS, AND GYPSUM BOARD SURFACES AS SCH'D. SEE FINISH SCHEDULE ON A9.0.
 - C9 EX GWB SOFFIT TO REMAIN, PARTIALLY REFRAME OR REBUILD AS REQ'D FOR NEW CONST. PAINT ALL NEW SOFFIT CONST TO MATCH EX SOFFITS IN ROOM.
 - C10 THE UPPER VESTIBULE OVERHANG EXTENDS ABOVE THE LOWER VESTIBULE (SHOWN DASHED) SEE ROOF PLANS AND ELEVATIONS FOR EXTENTS.
 - C11 EXTEND 6" METAL STUD FRAMING SOUTH FROM ABOVE AL-1 TO MEET THE FASCIA OF THE UPPER VESTIBULE OVERHANG. (SHOWN DASHED).

BIDDING ALTERNATE INFORMATION:
 CEILING PLAN NOTES C6 AND C7 SHALL BE OMITTED FROM THIS PROJECT IF BIDDING ALTERNATE 1 IS ACCEPTED. IN PLACE OF CEILING NOTE C6, A NOTE SHALL READ "REPLACE OR RE-ATTACH ACT CEILINGS AND GRILLS AS REQUIRED TO COMPLETE NEW WORK ONLY. PROTECT ALL ADJACENT CEILINGS AND OTHER CONSTRUCTION NOT SCH'D FOR DEMOLITION. COORDINATE REPLACEMENT TILES AND INSTALLATION WITH THE OWNER."



C1- FIRST FLOOR ENLARGED ENTRY REFLECTED CEILING PLAN
 1/4" = 1'-0"



25 C1- FIRST FLOOR REFLECTED CEILING PLAN
 1/8" = 1'-0"

Client Name
 CLINTON COUNTY

Project Name
 ADMINISTRATION BUILDING - ADDITION & ALTERATIONS

Location / Description
 1900 N. 3RD ST. CLINTON, IA 52732

Rev	Description	Date
02	Issued for Bidding	02-13-2024
MEM	Issued for Construction	

Project Manager: MEM
 Address: 1700 20th Street, Clinton, IA 52732
 All content based on: 2042 - 1st sheet.rvt

Sheet Title
FIRST FLOOR REFLECTED CEILING PLAN AND NOTES

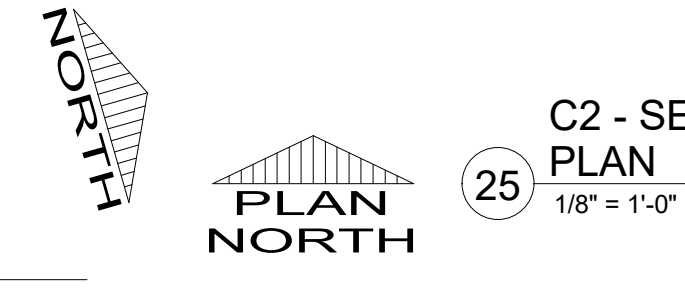
A2.0



CEILING PLAN LEGEND	
	GYP BD
	EXTERIOR METAL CEILING AS SCHD
	2x2 ACT

- CEILING PLAN NOTES**
- LIGHTING LAYOUT IS AS SHOWN ON THIS SHEET AND THE ELECTRICAL PLANS. INSTALLATION IS BY ELECTRICAL CONTRACTOR.
 - COORDINATE INSTALLATION OF CEILING TILE WITH LIGHTING INSTALLED BY ELECTRICAL CONTRACTOR AND GRILLE AND DIFFUSER INSTALLATION BY MECHANICAL CONTRACTOR. TILE PATTERN MAY HAVE TO BE ADJUSTED FROM PATTERN SHOWN ON PLAN.
 - DUCTWORK, GRILLES AND DIFFUSER LAYOUT IS AS SHOWN ON THIS SHEET AND THE MECHANICAL PLANS. INSTALLATION IS BY MECHANICAL CONTRACTOR. LOCATIONS SHOWN ARE PREFERRED. MECHANICAL CONTRACTOR MAY ADJUST QUANTITY AND LOCATION AS REQUIRED. DO NOT USE SECTIONS OF TILES LESS THAN 4" IN WIDTH.

- CEILING PLAN KEY NOTES**
- C1 NO CEILING REPLACEMENT WORK IN THIS AREA. EXISTING CEILINGS, LIGHTING, AND HVAC DIFFUSERS TO REMAIN.
 - C2 NEW EXTERIOR METAL PANEL CEILINGS AS SCHD.
 - C3 NEW INTERIOR 96" LINEAR LIGHT FIXTURES. MAINTAIN A MIN 8'-6" CLR SPACE BELOW WHEN HUNG.
 - C4 NEW RECESSED EXTERIOR LIGHT FIXTURE. ARCHITECT TO SELECT. FINAL LOCATION TO BE DETERMINED AFTER A LIGHT FIXTURE IS SELECTED.
 - C5 NEW EXTERIOR LIGHTING AS SHOWN ON THE ELECTRICAL SHEETS.
 - C6 NEW SUSPENDED CEILING AS SCHD. MATCH ELEVATION OF PREVIOUS CEILING(S) IN THIS ROOM. REPLACE LIGHTING AND HVAC DIFFUSERS AS SHOWN ON THE MECHANICAL AND ELECTRICAL SHEETS.
 - C7 NEW CEILING MOUNTED LIGHTING AS SHOWN ON THE ELECTRICAL SHEETS.
 - C8 CEILING IN THIS ROOM IS OPEN TO ABOVE. PAINT ALL EXPOSED STRUCTURE, DUCTWORK, CONDUIT, PIPING, WALLS, AND GYPSUM BOARD SURFACES AS SCH'D. SEE FINISH SCHEDULE ON A9.0.
 - C9 EX GWB SOFFIT TO REMAIN, PARTIALLY REFRAME OR REBUILD AS REQ'D FOR NEW CONST. PAINT ALL NEW SOFFIT CONST TO MATCH EX SOFFITS IN ROOM.
 - C10 THE UPPER VESTIBULE OVERHANG EXTENDS ABOVE THE LOWER VESTIBULE (SHOWN DASHED) SEE ROOF PLANS AND ELEVATIONS FOR EXTENTS.
 - C11 EXTEND 6" METAL STUD FRAMING SOUTH FROM ABOVE A1-1 TO MEET THE FASCIA OF THE UPPER VESTIBULE OVERHANG. (SHOWN DASHED)
- BIDDING ALTERNATE INFORMATION:**
- CEILING PLAN NOTES C6 AND C7 SHALL BE OMITTED FROM THIS PROJECT IF BIDDING ALTERNATE 1 IS ACCEPTED. IN PLACE OF CEILING NOTE C6, A NOTE SHALL READ "REPLACE OR RE-ATTACH ACT CEILINGS AND GRIDS AS REQUIRED TO COMPLETE NEW WORK ONLY. PROTECT ALL ADJACENT CEILINGS AND OTHER CONSTRUCTION NOT SCHD FOR DEMOLITION. COORDINATE REPLACEMENT TILES AND INSTALLATION WITH THE OWNER."



C2 - SECOND FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION BUILDING - ADDITION & ALTERATIONS

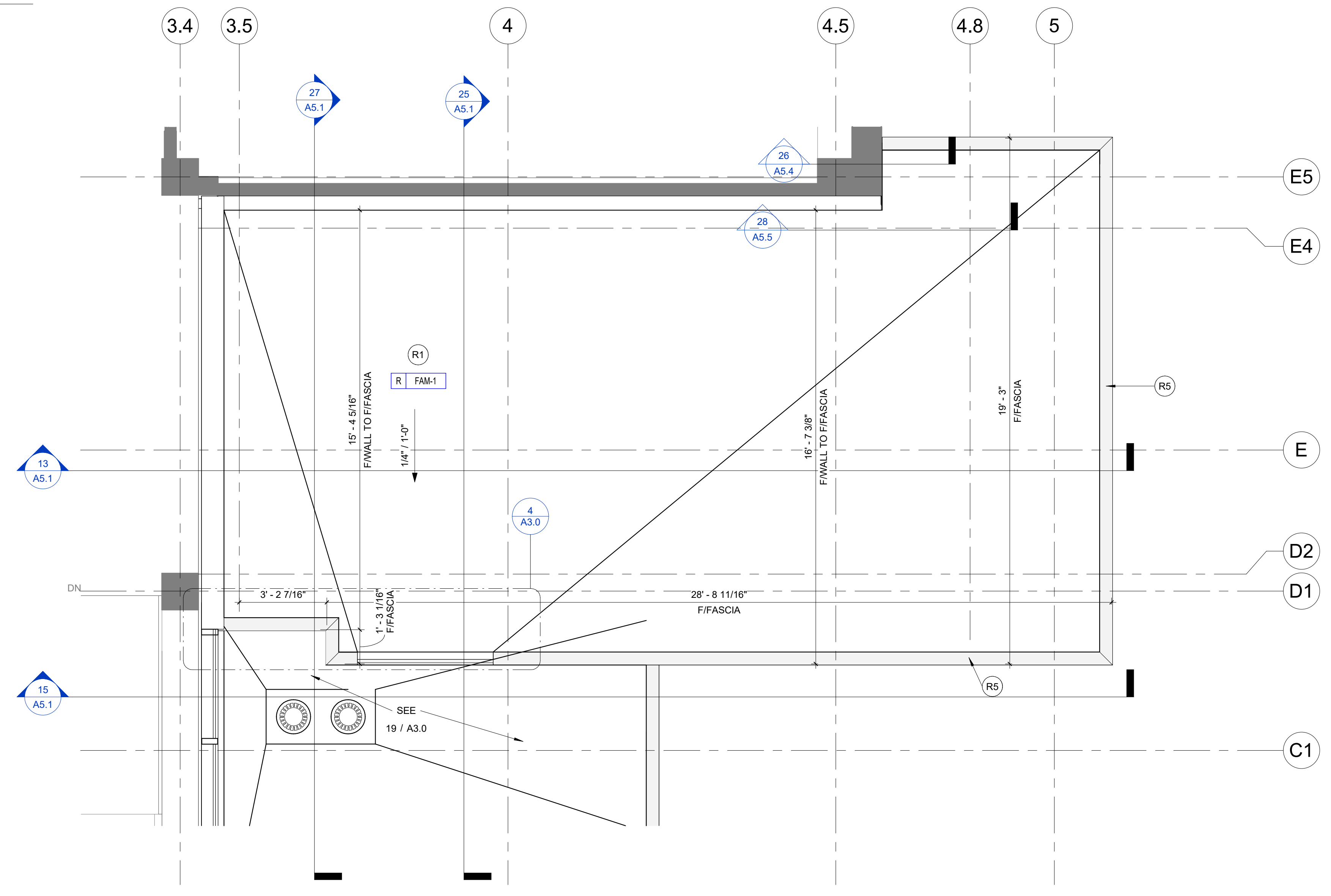
Location / Description
1900 N. 3RD ST. CLINTON, IA 52732

Rev	Description	Date
02	Issued for Bidding	02-13-2024
MEM	Issued for Construction	

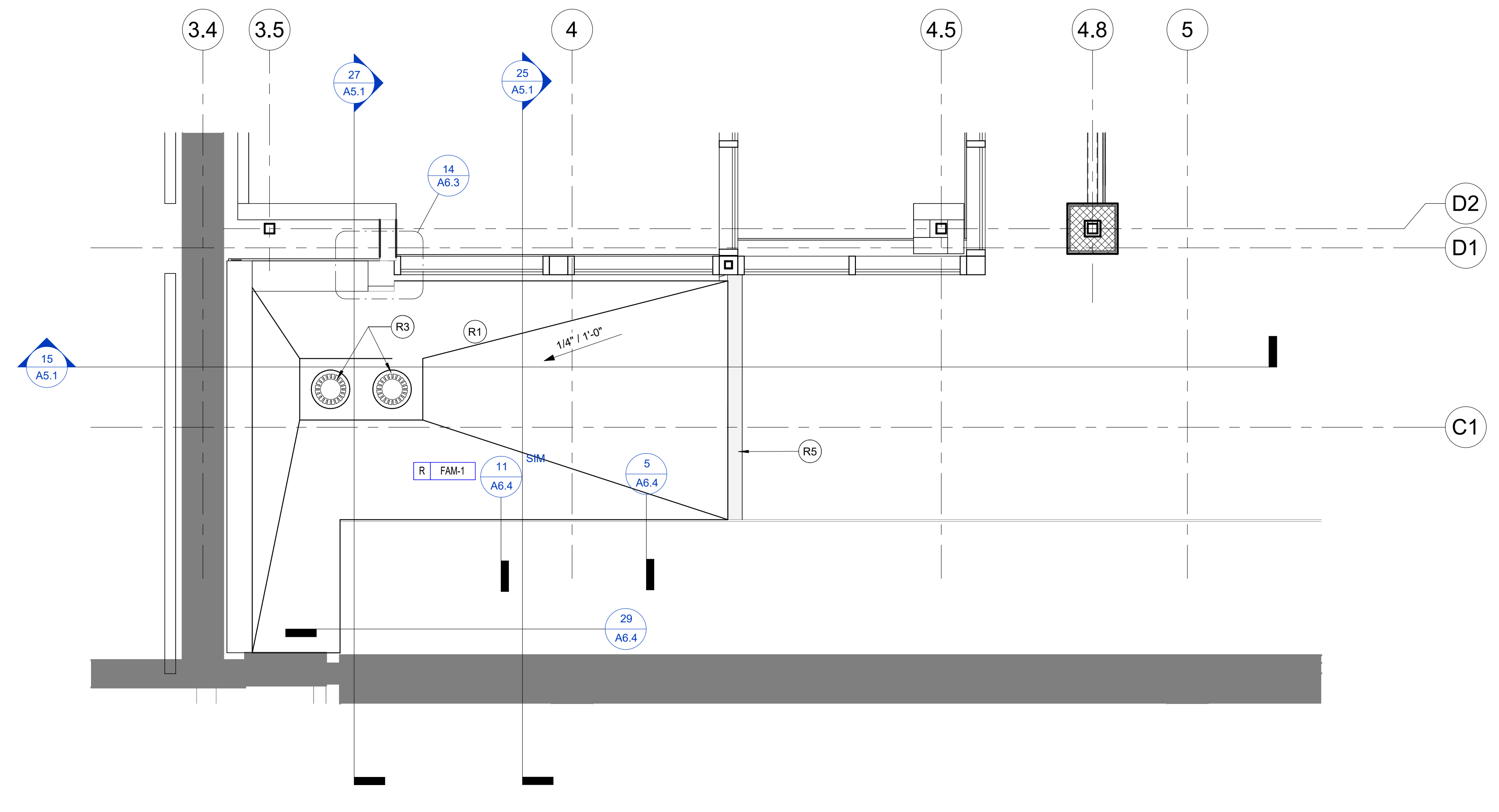
Project Number: 22072
Project Manager: MEM
Address: 1900 N. 3RD ST. CLINTON, IA 52732
All content based on: 3/4/22 14:30:00
2/11/2024 11:55:14

Sheet Title
SECOND FLOOR REFLECTED CEILING PLAN AND NOTES

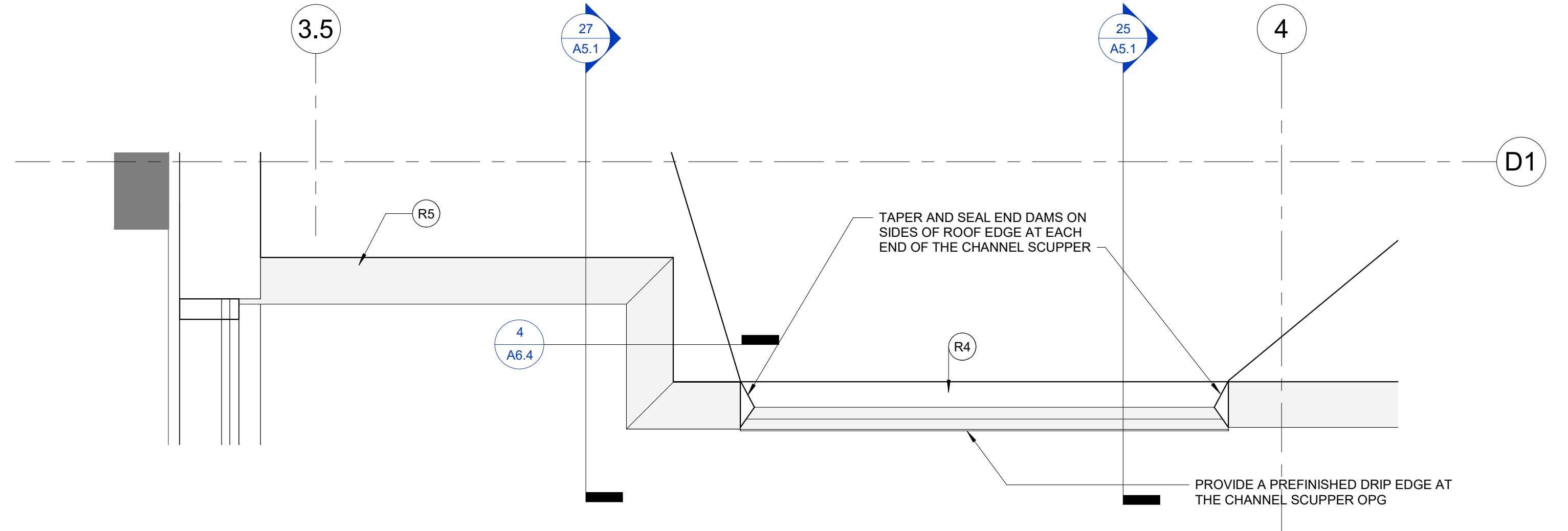
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7 UPPER VESTIBULE ROOF PLAN
 3/8" = 1'-0"



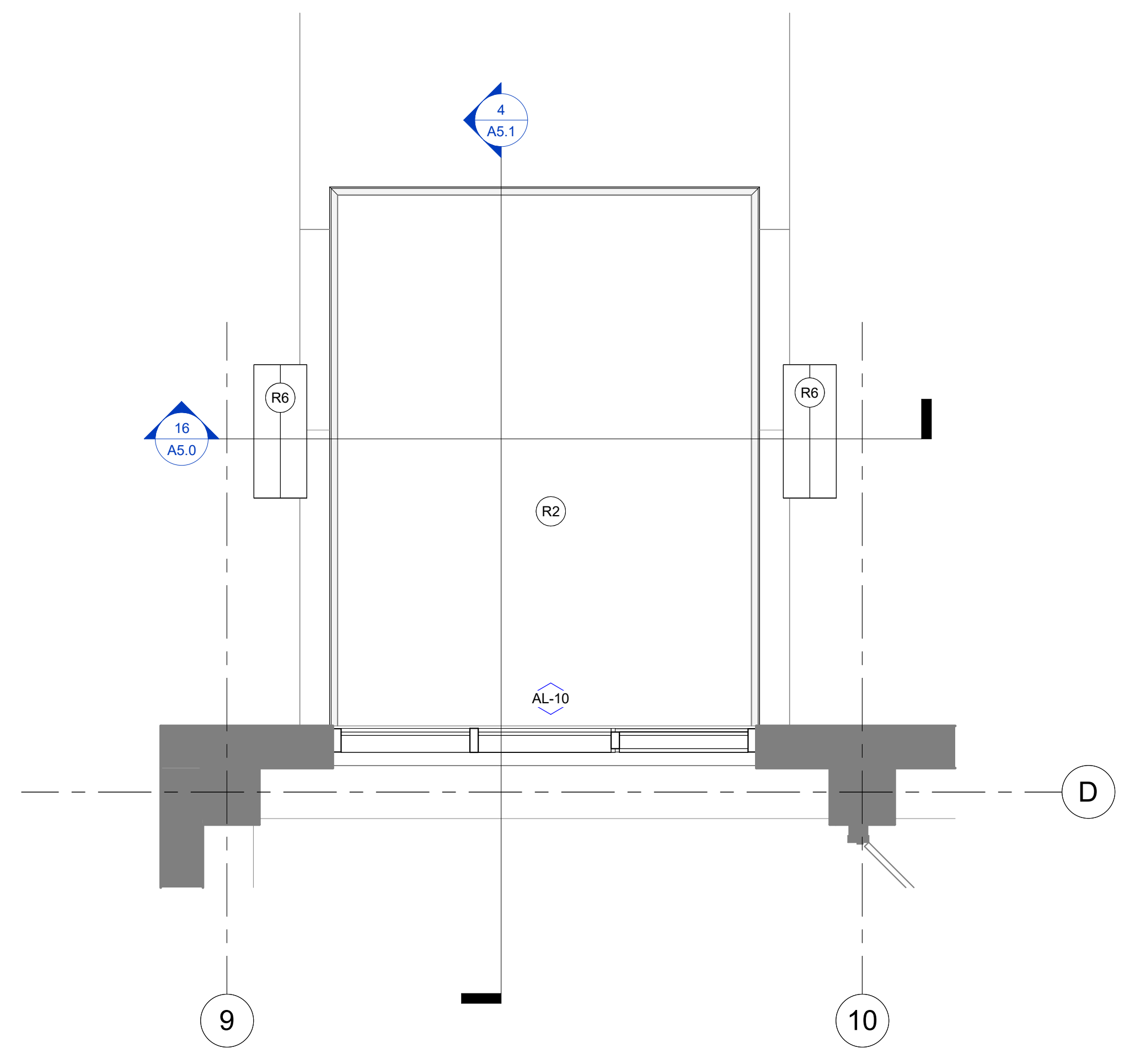
19 LOWER VESTIBULE ROOF PLAN
 3/8" = 1'-0"



4 CHANNEL SCUPPER PLAN
 1" = 1'-0"

- ROOF PLAN NOTES**
1. ROOF DRAIN PIPING TO BE SIZED ACCORDING TO INTERNATIONAL PLUMBING CODE REQUIREMENTS.
 2. COORDINATE ALL ROOF PENETRATIONS WITH MECHANICAL AND PLUMBING CONTRACTORS.
 3. COORDINATE LOCATION OF ROOF TOP UNITS WITH MECHANICAL CONTRACTOR.

- ROOF PLAN KEY NOTES**
- (R1) NEW MEMBRANE ROOFING ON TAPERED INSULATION AS SCHED.
 - (R2) REPLACE THE EXISTING MEMBRANE AND COVER BOARD ON THIS ROOF WITH NEW AS SPEC'D. MAINTAIN THE EXISTING ROOF DRAINAGE. REPLACE PORTIONS OF THE ROOF DRAINAGE SYSTEM IF THEY ARE EXPOSED TO BE DAMAGED.
 - (R3) ROOF DRAIN. SEE MECHANICAL SHEETS FOR SIZING
 - (R4) CHANNEL SCUPPER IN ROOF EDGE.
 - (R5) PREFINISHED METAL GRAVEL STOP ROOF EDGE. ARCHITECT TO SELECT COLOR.
 - (R6) PREFINISHED METAL COPING OVER EX CAST STONE CAP. ARCHITECT TO SELECT COLOR.



28 AUDITOR'S CANOPY ROOF PLAN
 3/8" = 1'-0"

Client Name
 CLINTON COUNTY

Project Name
 ADMINISTRATION BUILDING - ADDITION & ALTERATIONS

Location / Description
 1900 N. 3RD ST. CLINTON, IA 52732

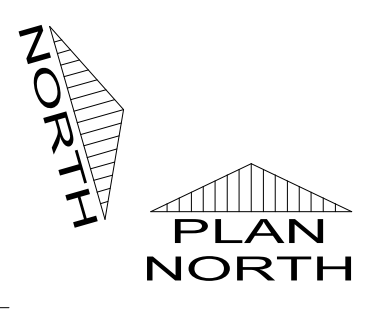
Rev	Description	Date
22072	Issued for Bidding	02-13-2024
MEM	Issued for Construction	

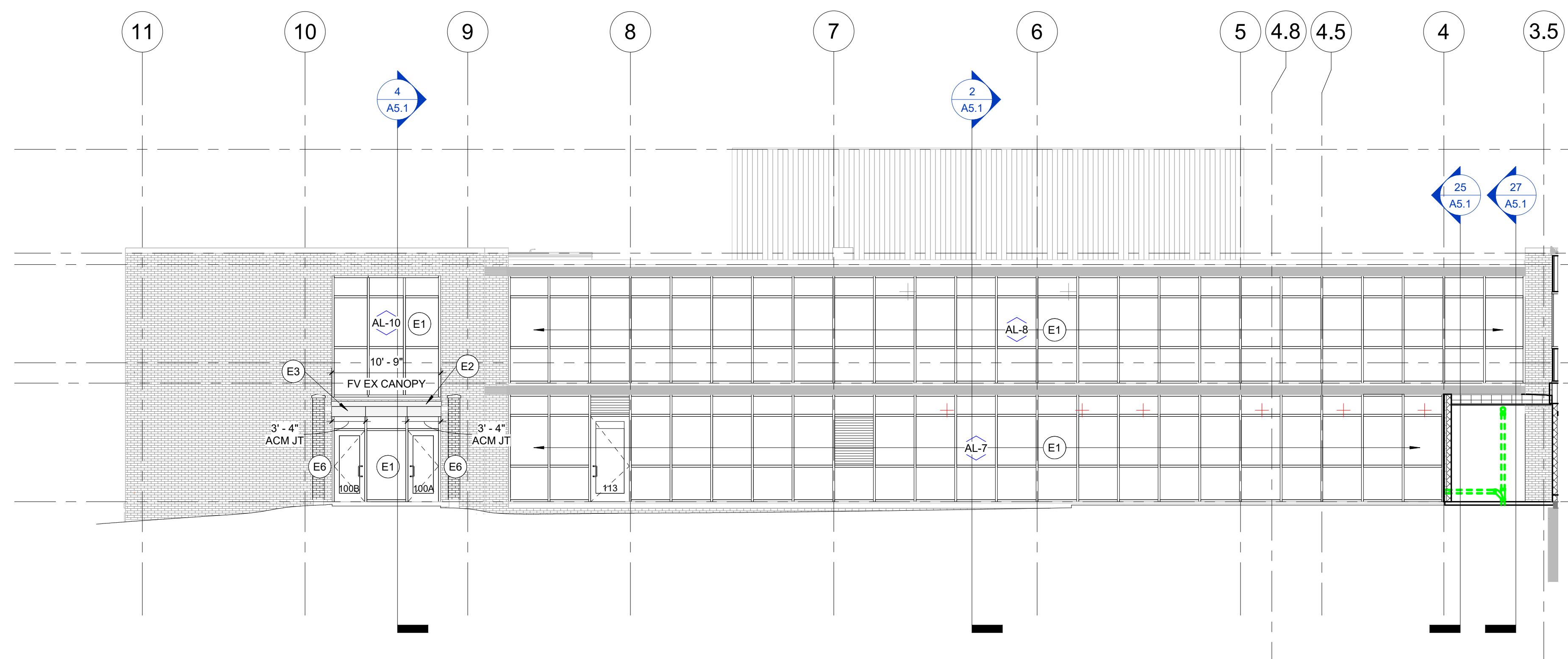
Project Number: 22072
 Project Manager: MEM
 Address: 1900 N. 3RD ST. CLINTON COUNTY ADMIN BUILDING (Historic Rehabilitation) 52732, CLINTON, IA
 All content based on: 20462 - 14 sheet (1 of 14)

Sheet Title

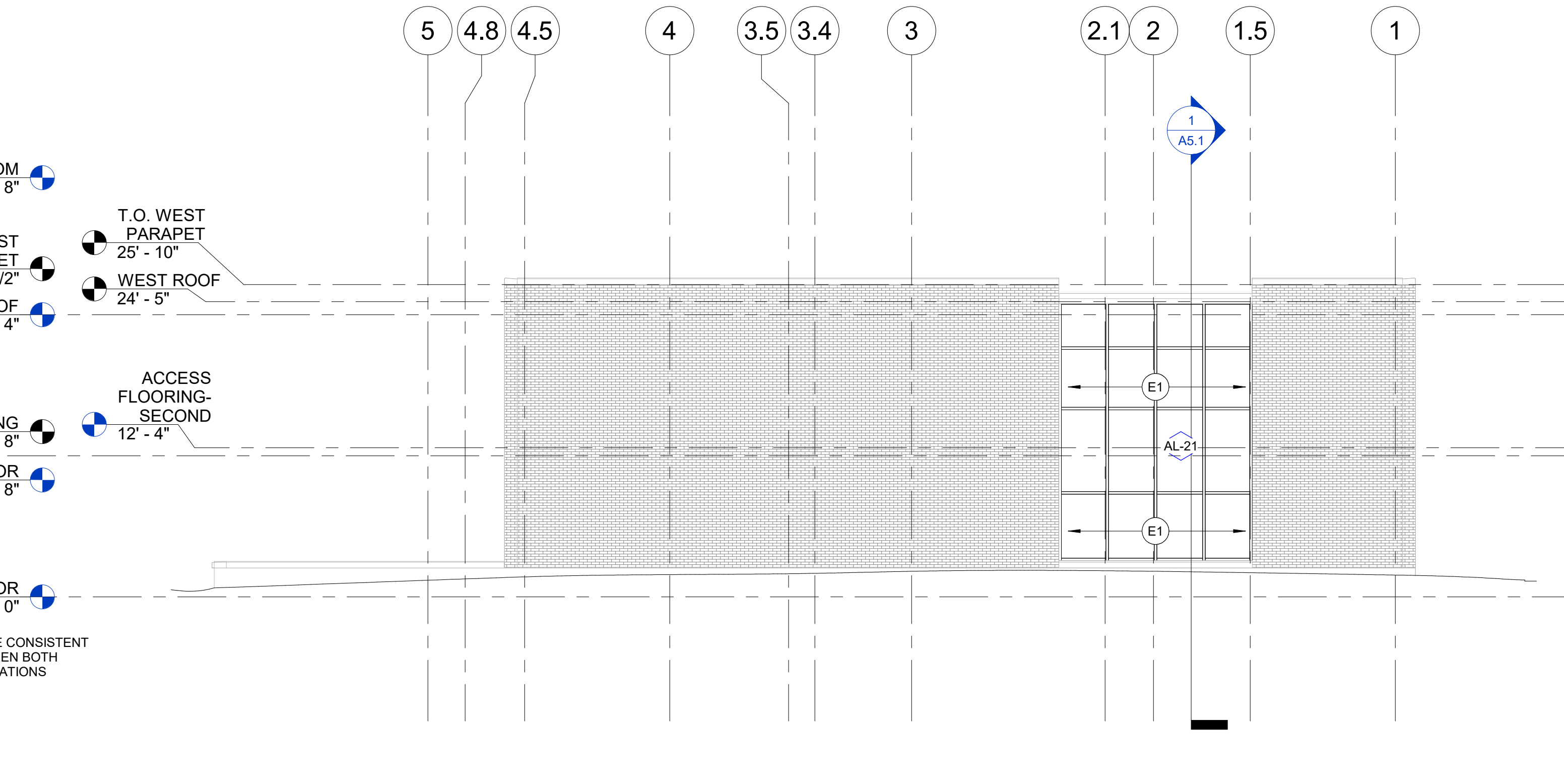
ENLARGED ROOF PLANS

A3.0

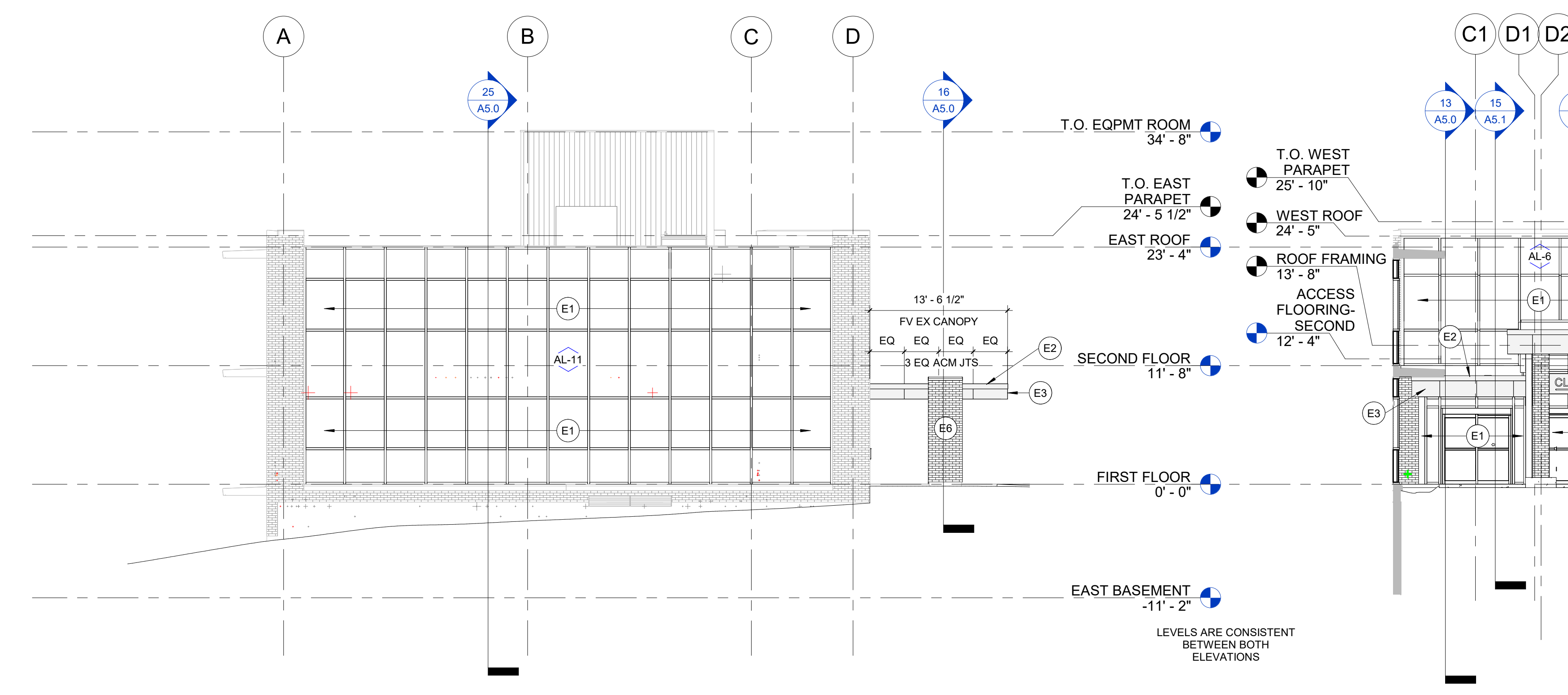




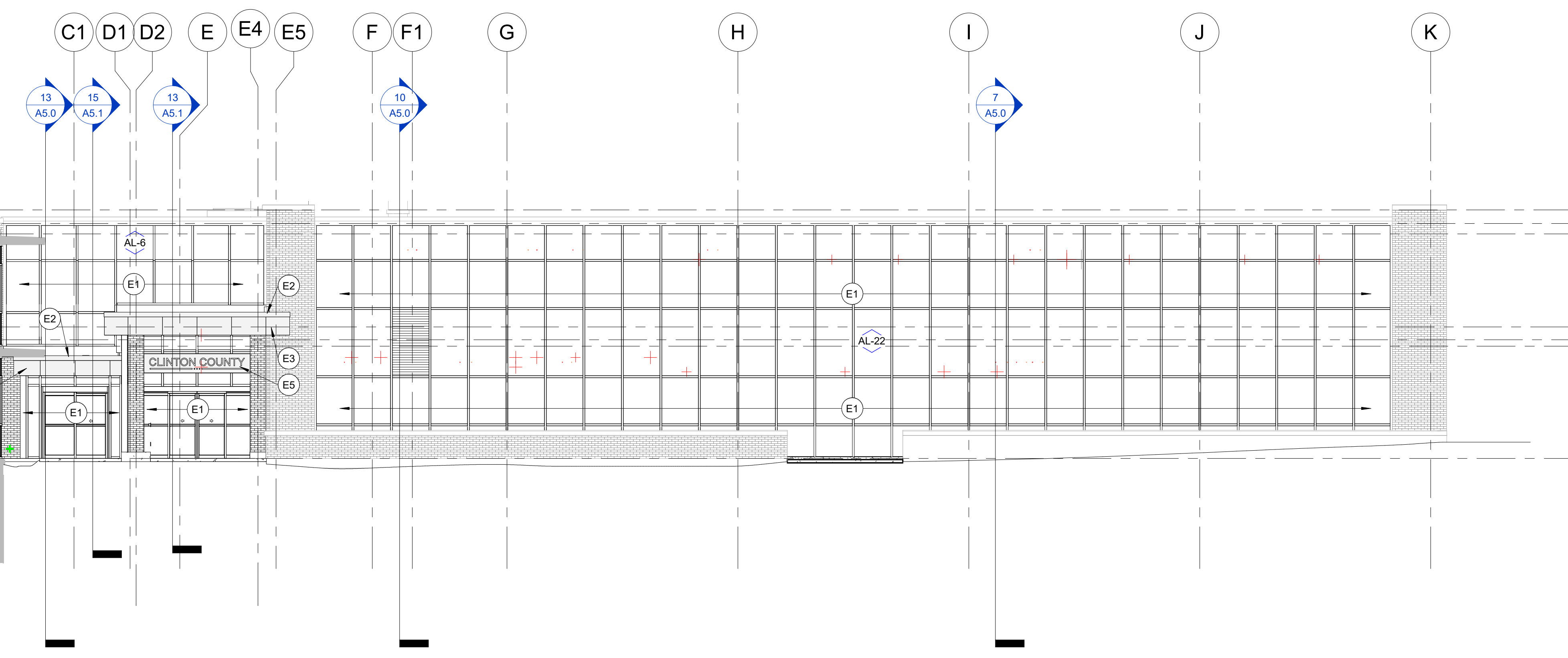
1 NORTH ELEVATION 1
1/8" = 1'-0"



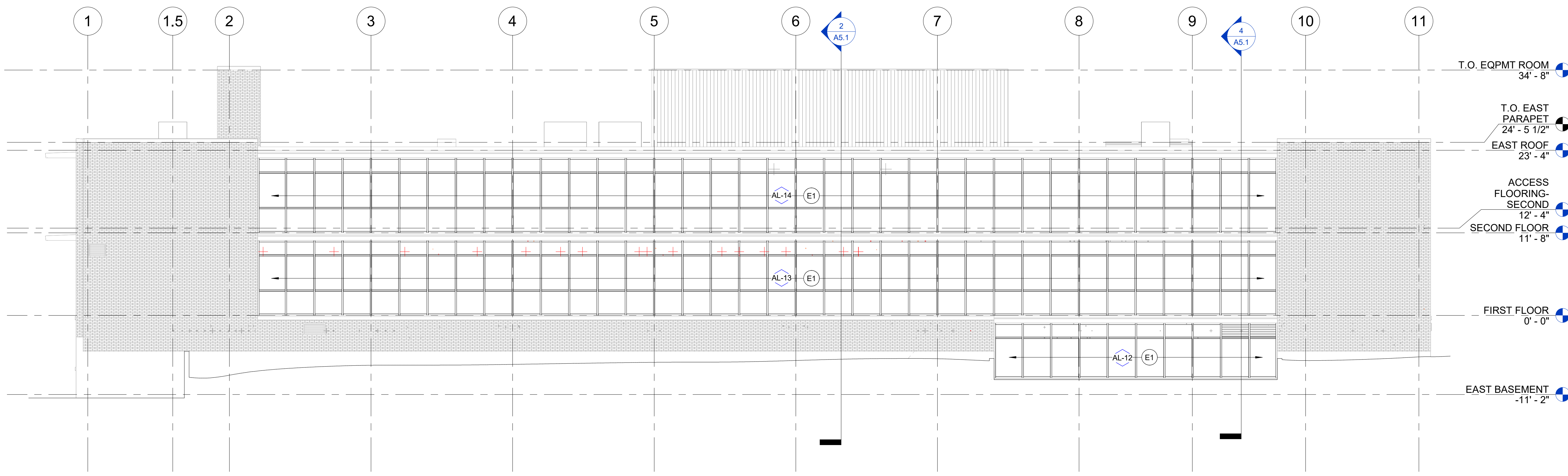
4 NORTH ELEVATION 2
1/8" = 1'-0"



13 EAST ELEVATION 1
1/8" = 1'-0"



16 EAST ELEVATION 2
1/8" = 1'-0"



25 SOUTH ELEVATION
1/8" = 1'-0"

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION BUILDING - ADDITION & ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

BUILDING ELEVATION KEY NOTES

E1	NEW CURTAINWALL WITH TINTED, INSULATED GLAZING. SEE FRAMING ELEVATIONS.
E2	NEW PREFINISHED METAL GRAVEL STOP ROOF EDGE.
E3	ACM CLADDING. ARCHITECT TO SELECT COLOR.
E4	CHANNEL SCUPPER IN ROOF EDGE. PROVIDE END DAMS AND DRIP EDGE AS SHOWN ON A3.0.
E5	SIGNAGE. COORDINATE WITH OWNER. MOUNT TO TUBE STRUCTURE AS SHOWN ON STRUCTURAL SHEETS. SEE DETAILS ON A6.0.
E6	NEW TBR-1 THIN BRICK CLADDING ON EXISTING BRICK PIERS.

Revisions

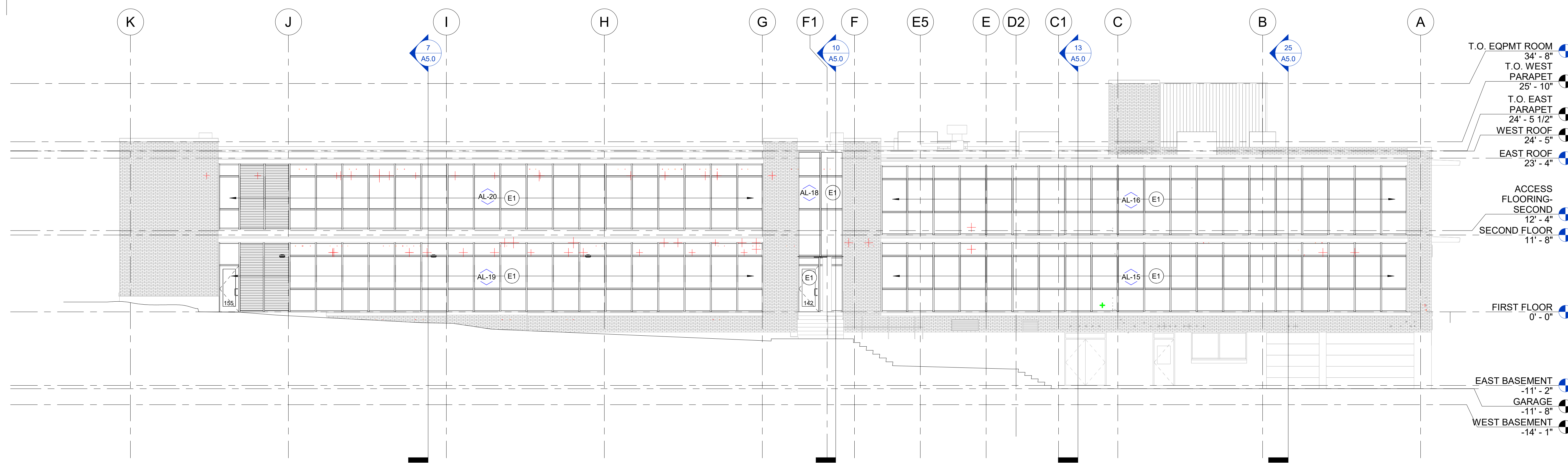
Rev	Description	Date
2	Issued for Bidding	02-13-2024
MEM	Issued for Construction	

Project Number: 22072
Project Manager: MEM
Address: 1900 N. 3RD ST. Clinton County, Iowa Building Permit: 202302, CLINTON
All content based on: 2018.2.14 sheet.rvt

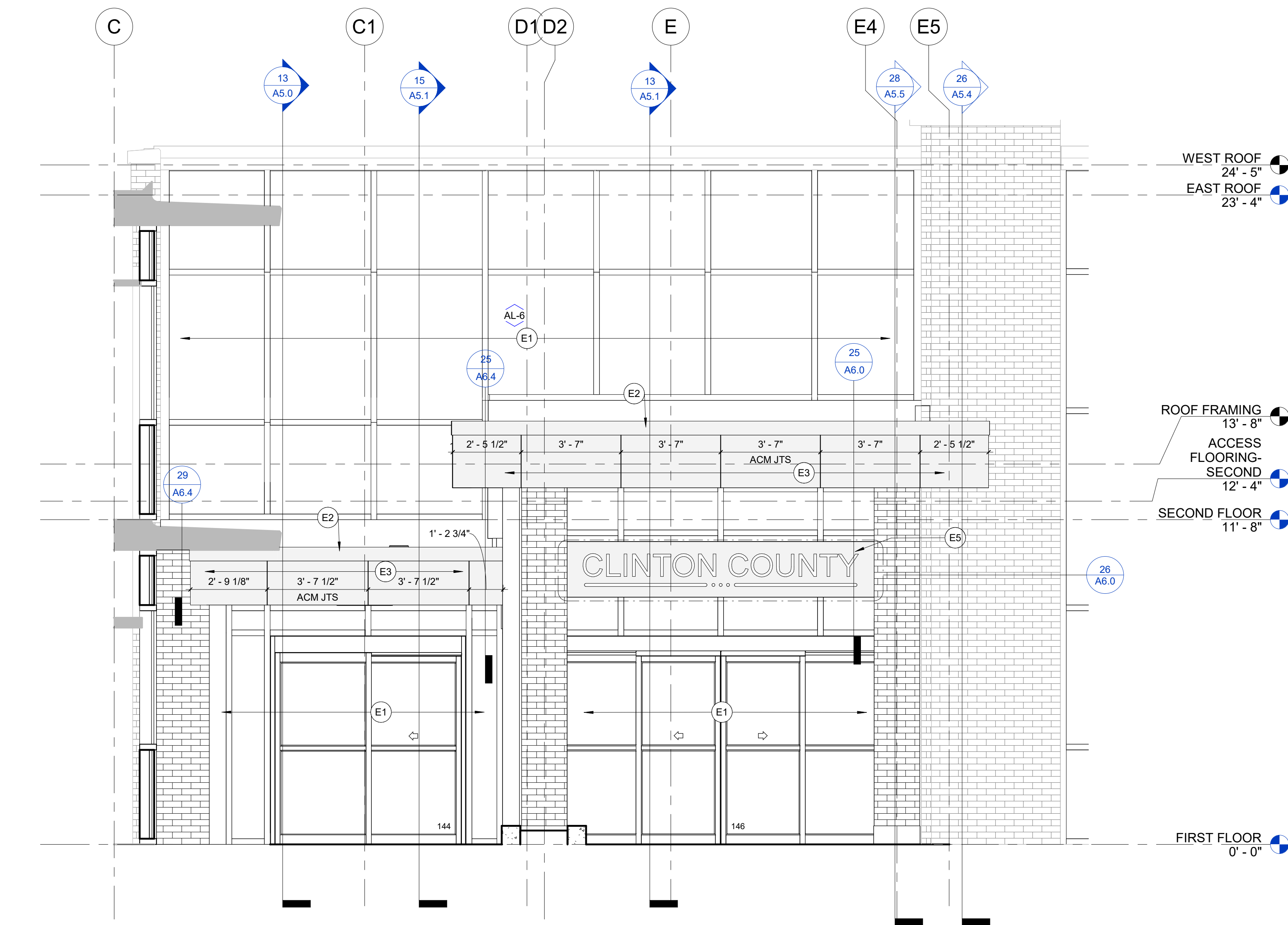
Sheet Title

BUILDING ELEVATIONS

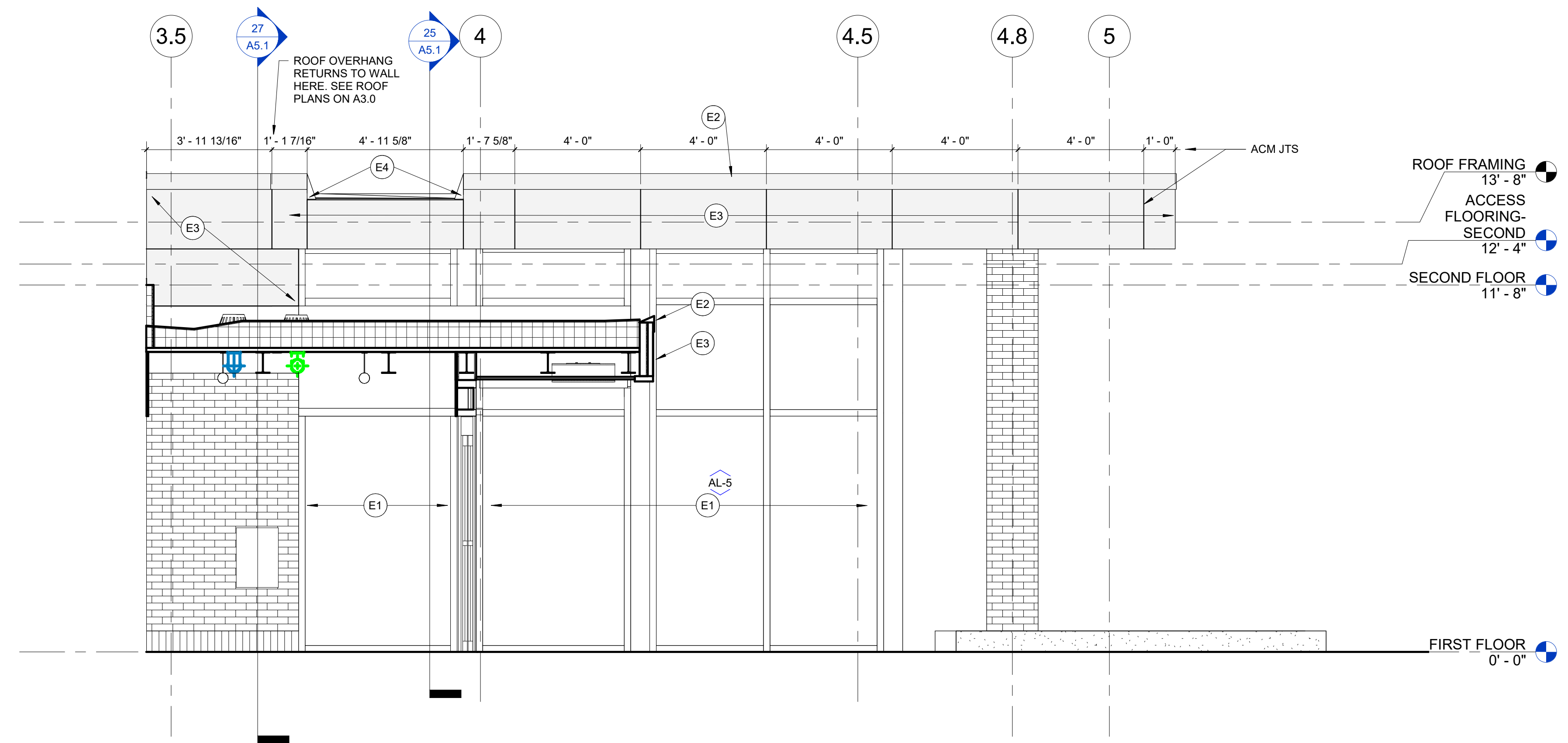
A4.0



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



19 EAST ENTRY ELEVATION
3/8" = 1'-0"

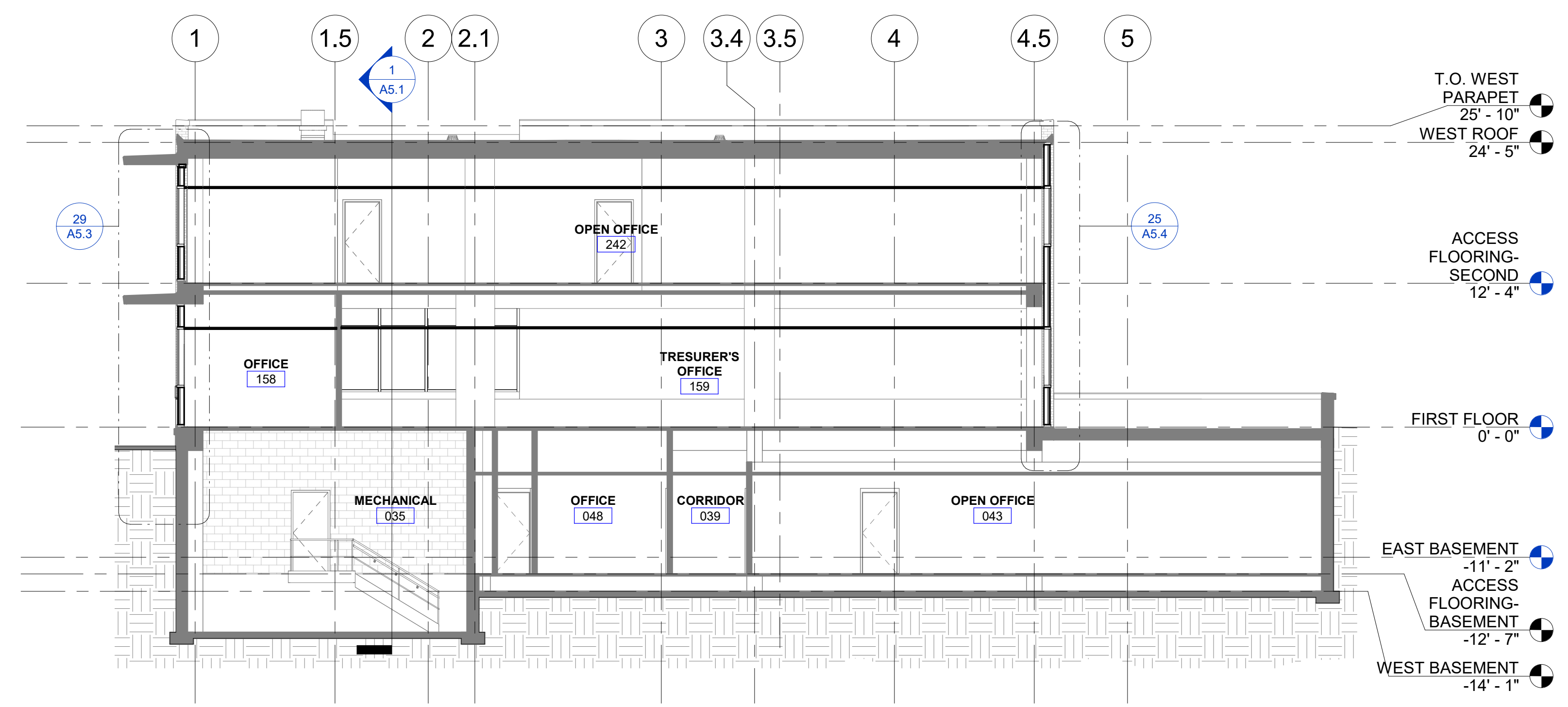


22 SOUTH ENTRY ELEVATION
3/8" = 1'-0"

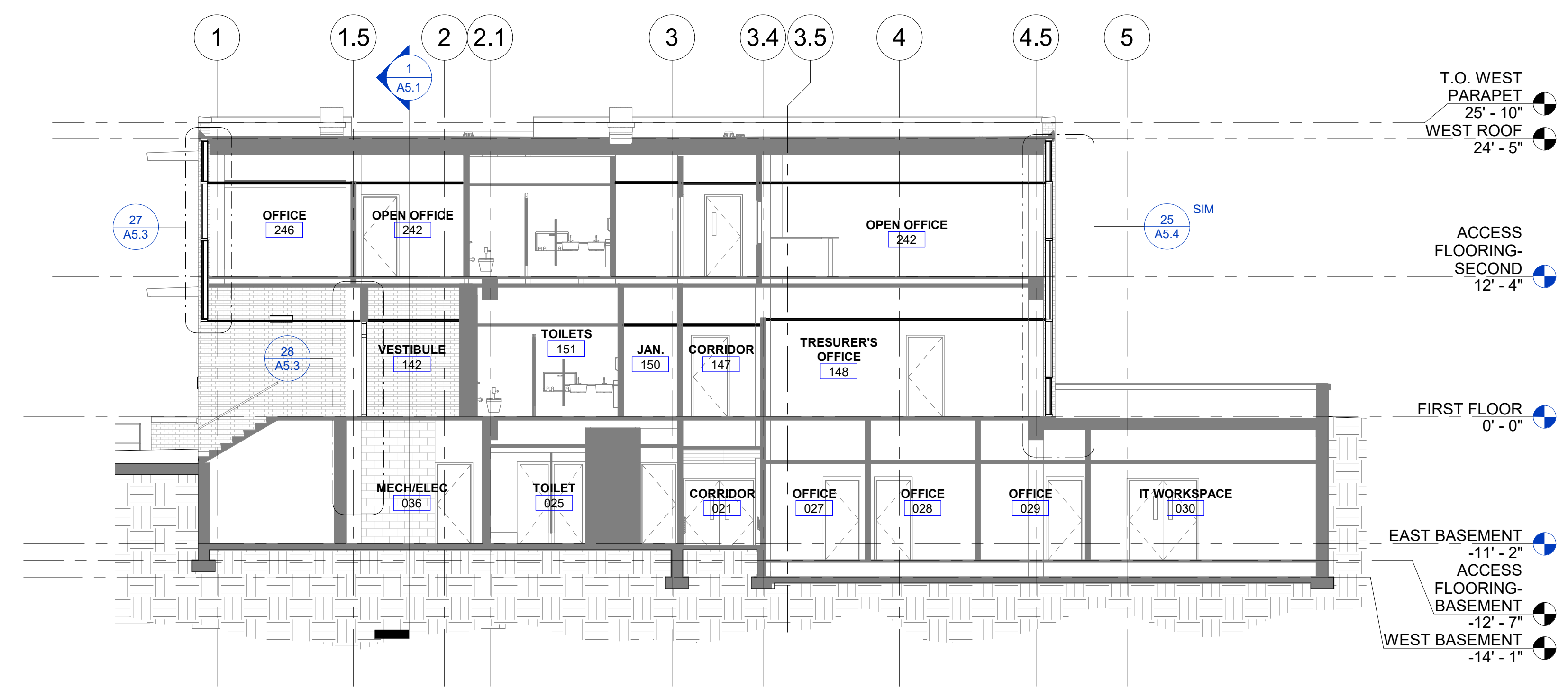
BUILDING ELEVATION KEY NOTES	
E1	NEW CURTAINWALL WITH TINTED, INSULATED GLAZING. SEE FRAMING ELEVATIONS.
E2	NEW PREFINISHED METAL GRAVEL STOP ROOF EDGE.
E3	ACM CLADDING. ARCHITECT TO SELECT COLOR.
E4	CHANNEL SCUPPER IN ROOF EDGE. PROVIDE END DAMS AND DRIP EDGE AS SHOWN ON A3.0.
E5	SIGNAGE. COORDINATE WITH OWNER. MOUNT TO TUBE STRUCTURE AS SHOWN ON STRUCTURAL SHEETS. SEE DETAILS ON A6.0.
E6	NEW TBR-1 THIN BRICK CLADDING ON EXISTING BRICK PIERS.

Rev	Description	Date
22072	Issued for Bidding	02-13-2024
MEM	Issued for Construction	

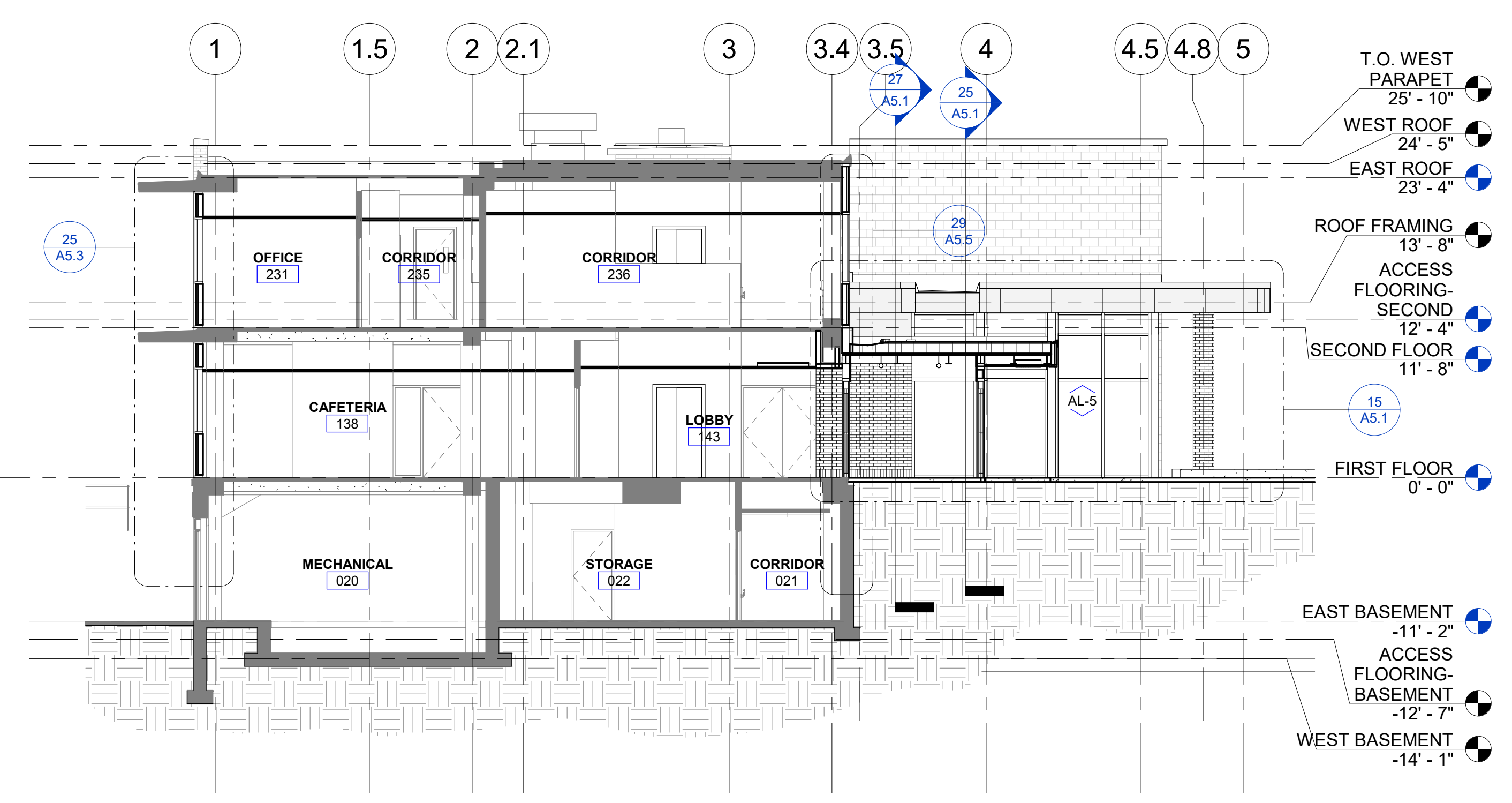
Approved By: [Signature] Clinton County Administration Building - Addition & Alterations
All content based on: 20462 - 14 sheet size.



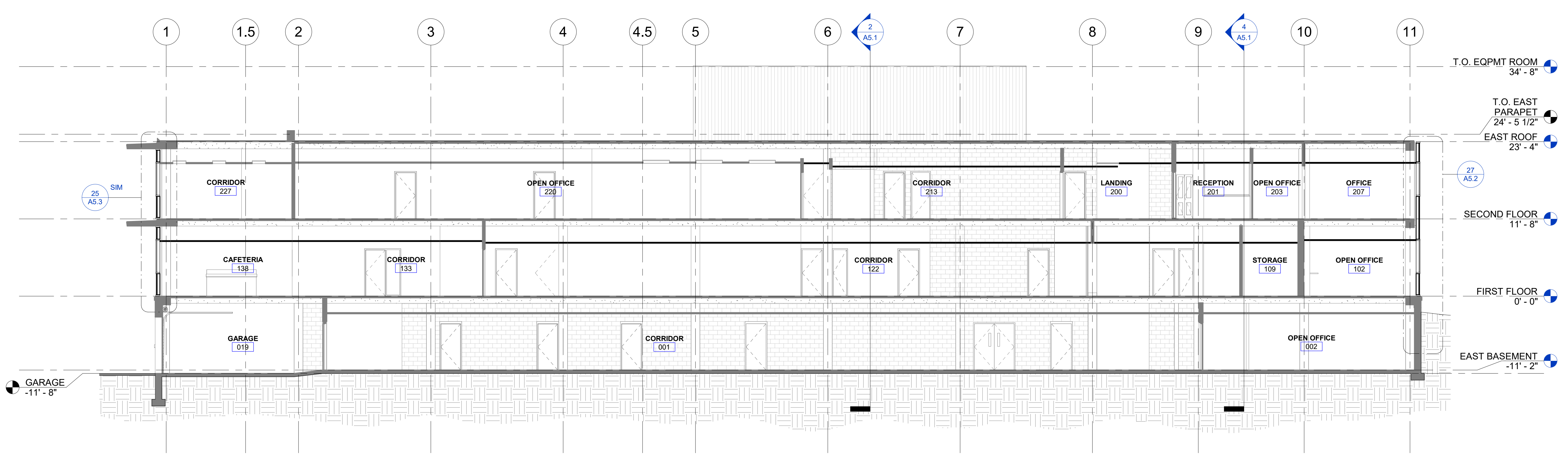
7 EAST/WEST SECTION 1
1/8" = 1'-0"



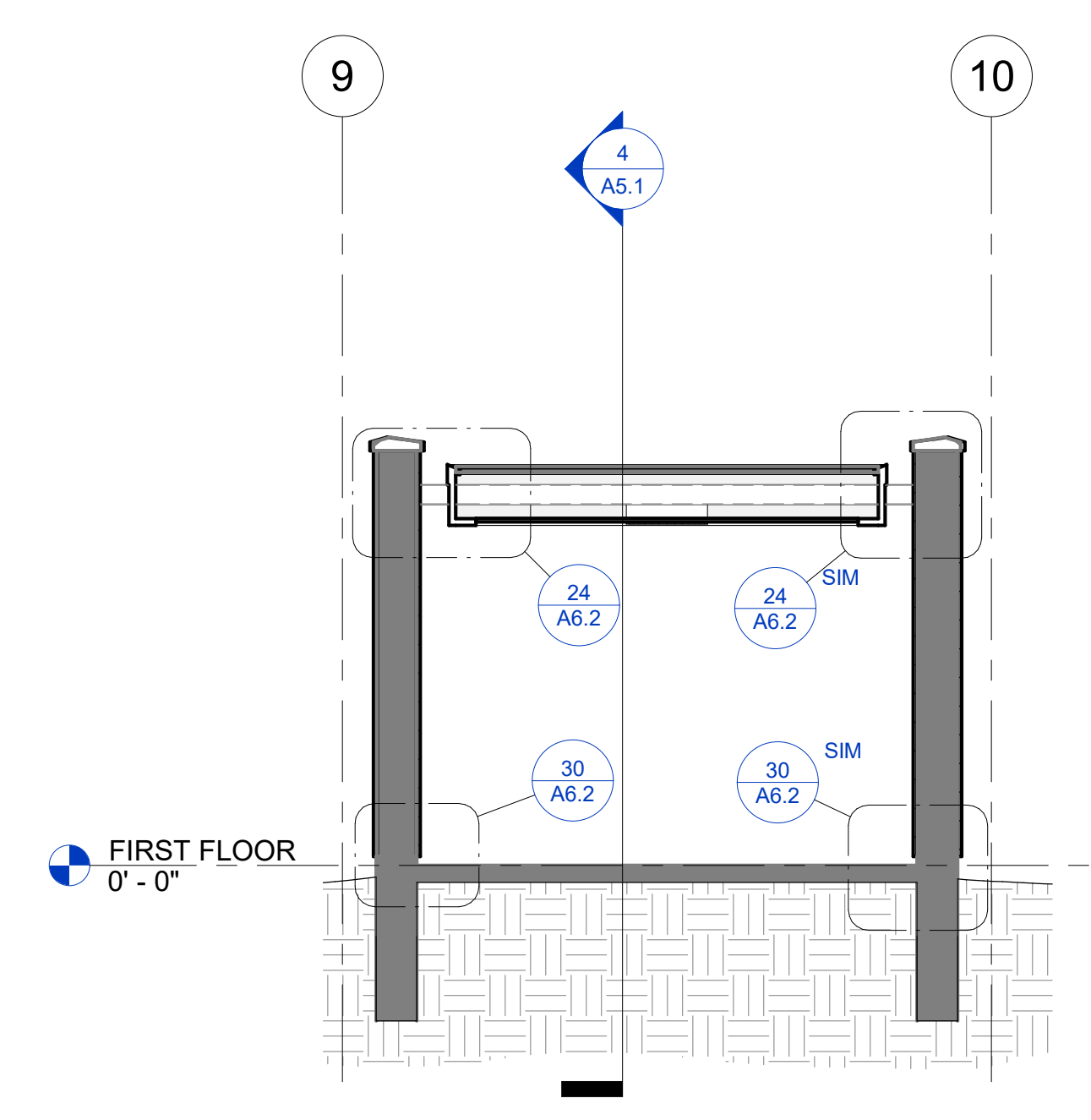
10 EAST/WEST SECTION 2
1/8" = 1'-0"



13 EAST/WEST SECTION 3
1/8" = 1'-0"



25 EAST/WEST SECTION 4
1/8" = 1'-0"



16 AUDITOR'S ENTRY EAST/WEST SECTION
1/4" = 1'-0"

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

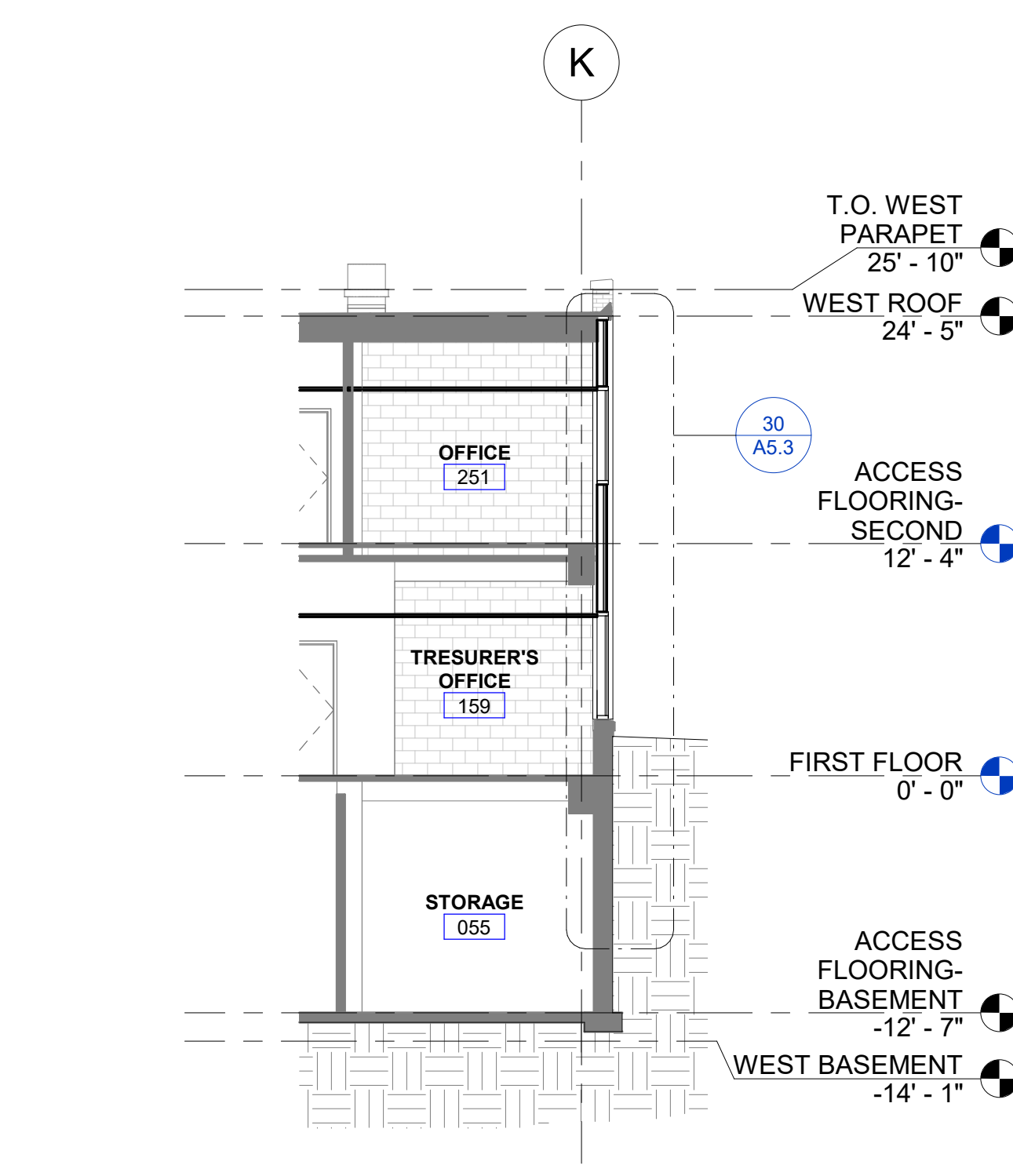
Rev	Description	Date
02	Issued for Bidding	02-13-2024
MEM	Issued for Construction	

Revisions

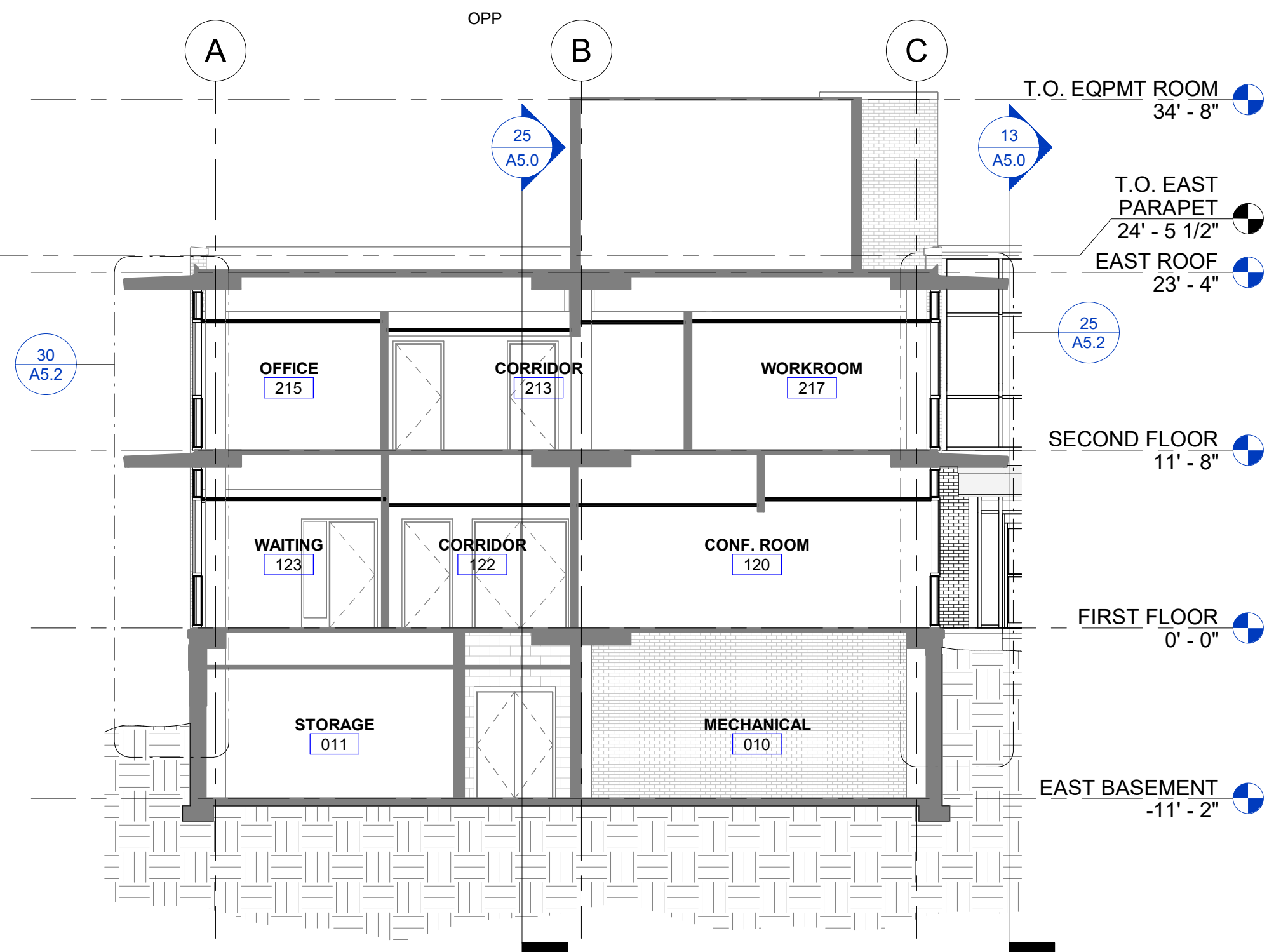
Sheet Title

**BUILDING
SECTIONS**

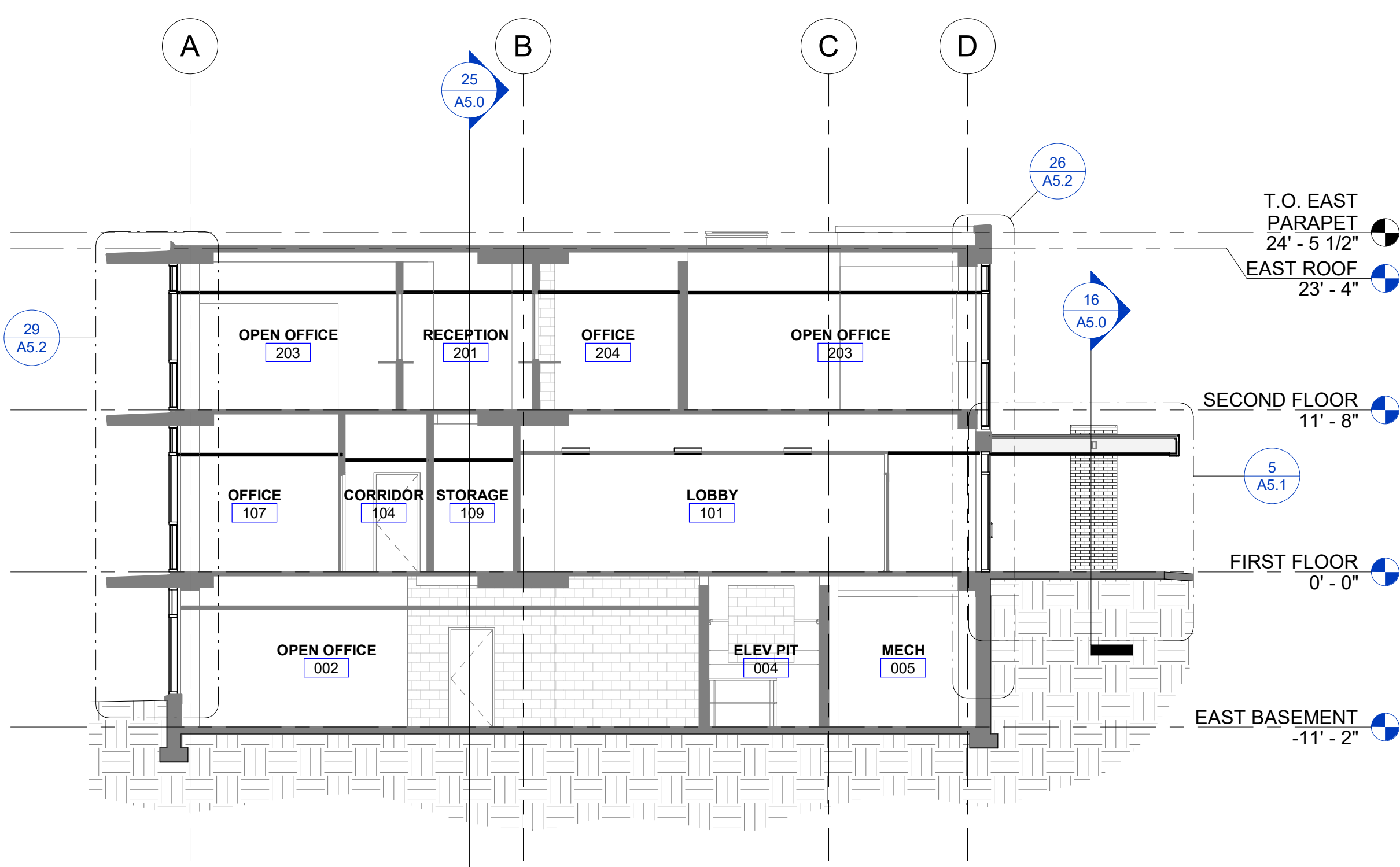
A5.0



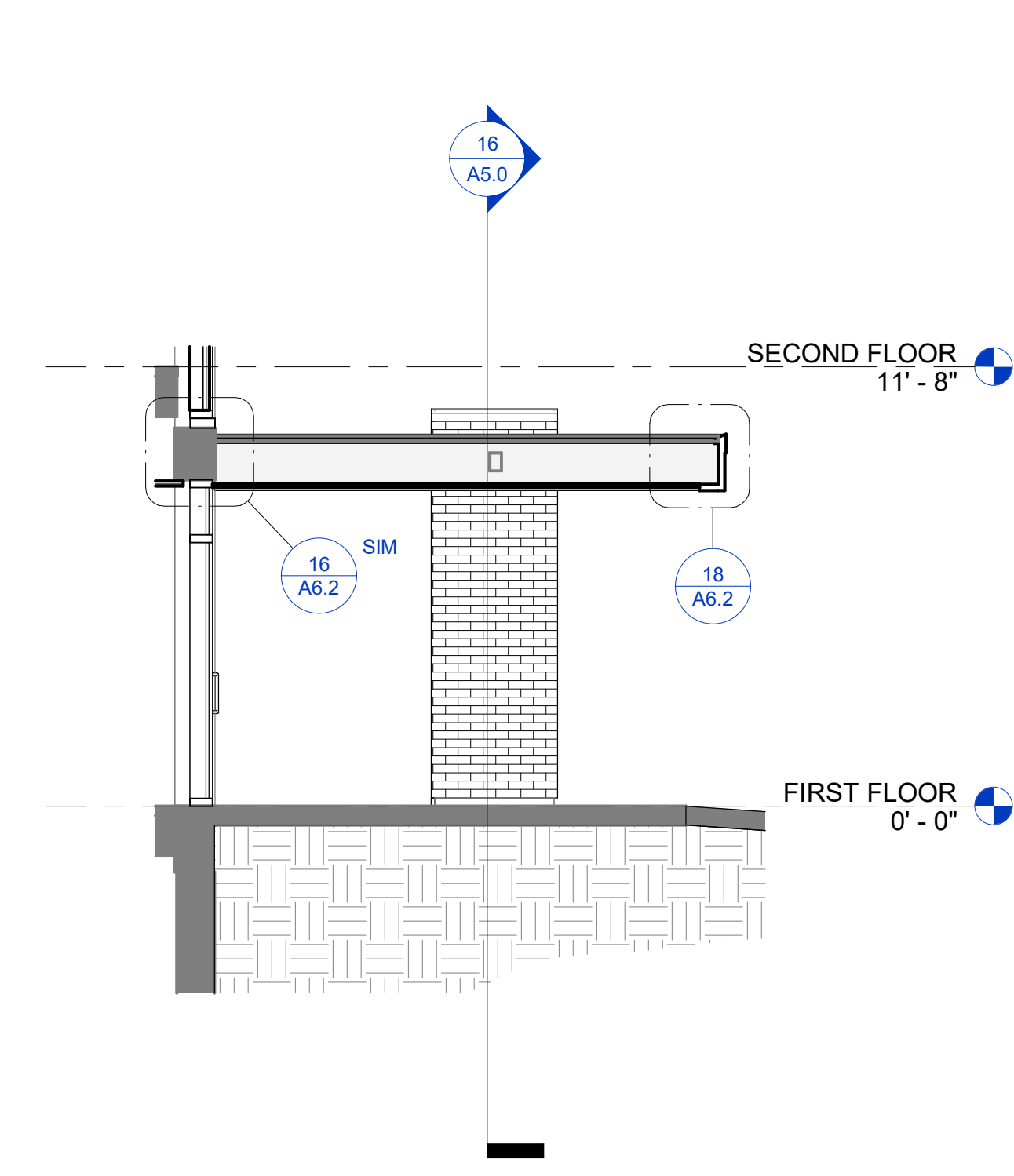
1 NORTH/SOUTH SECTION 1
1/8" = 1'-0"



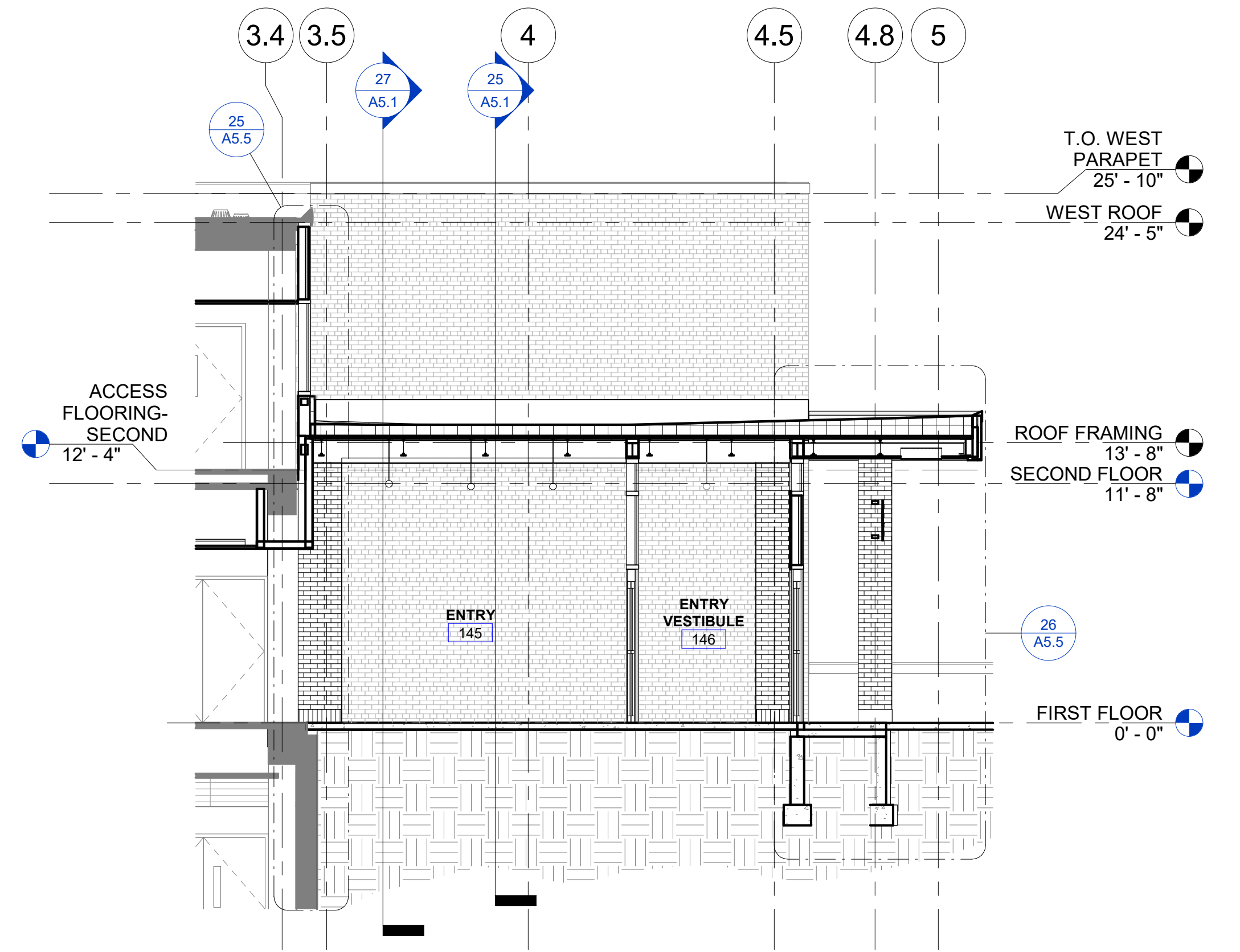
2 NORTH/SOUTH SECTION 2
1/8" = 1'-0"



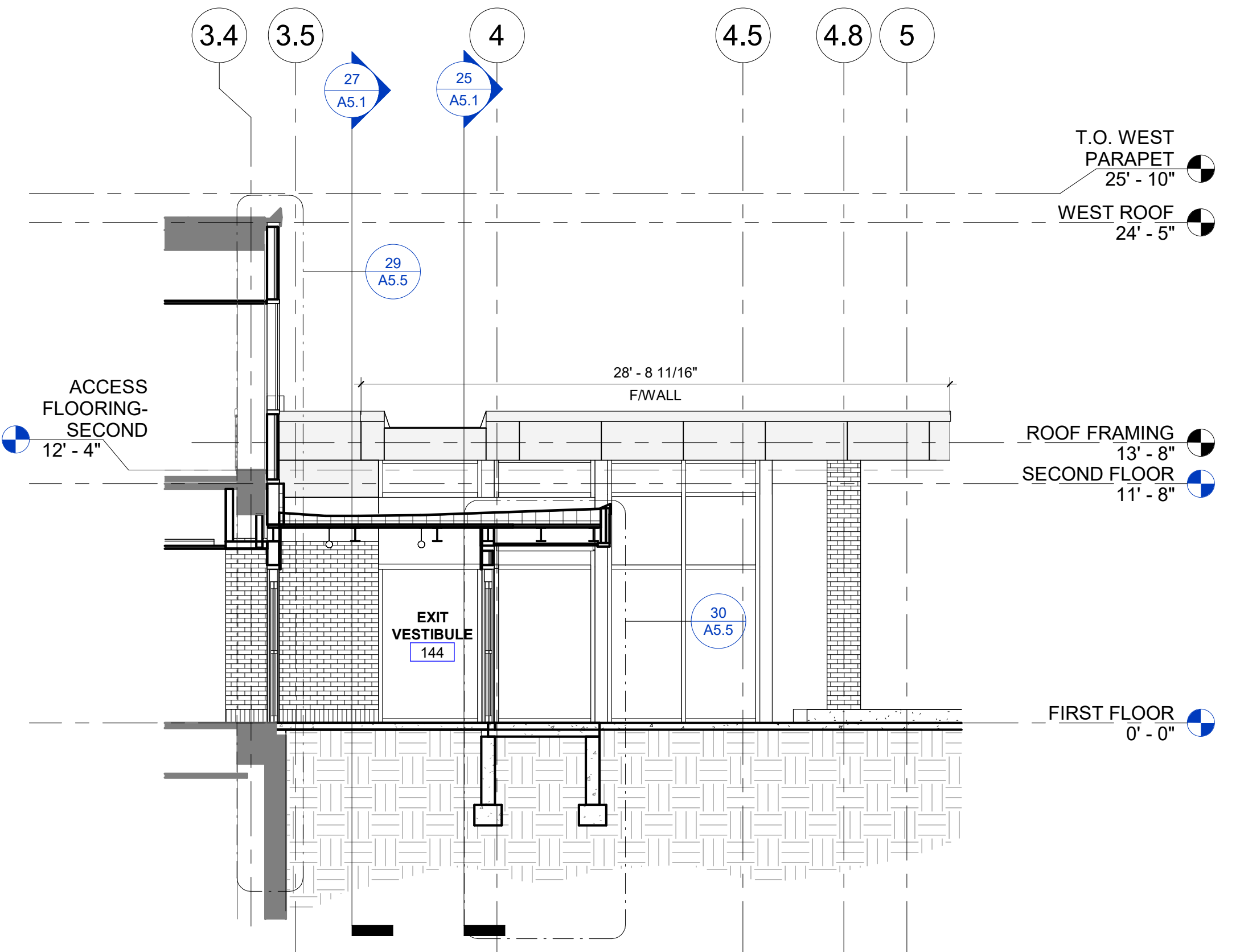
4 NORTH/SOUTH SECTION 3
1/8" = 1'-0"



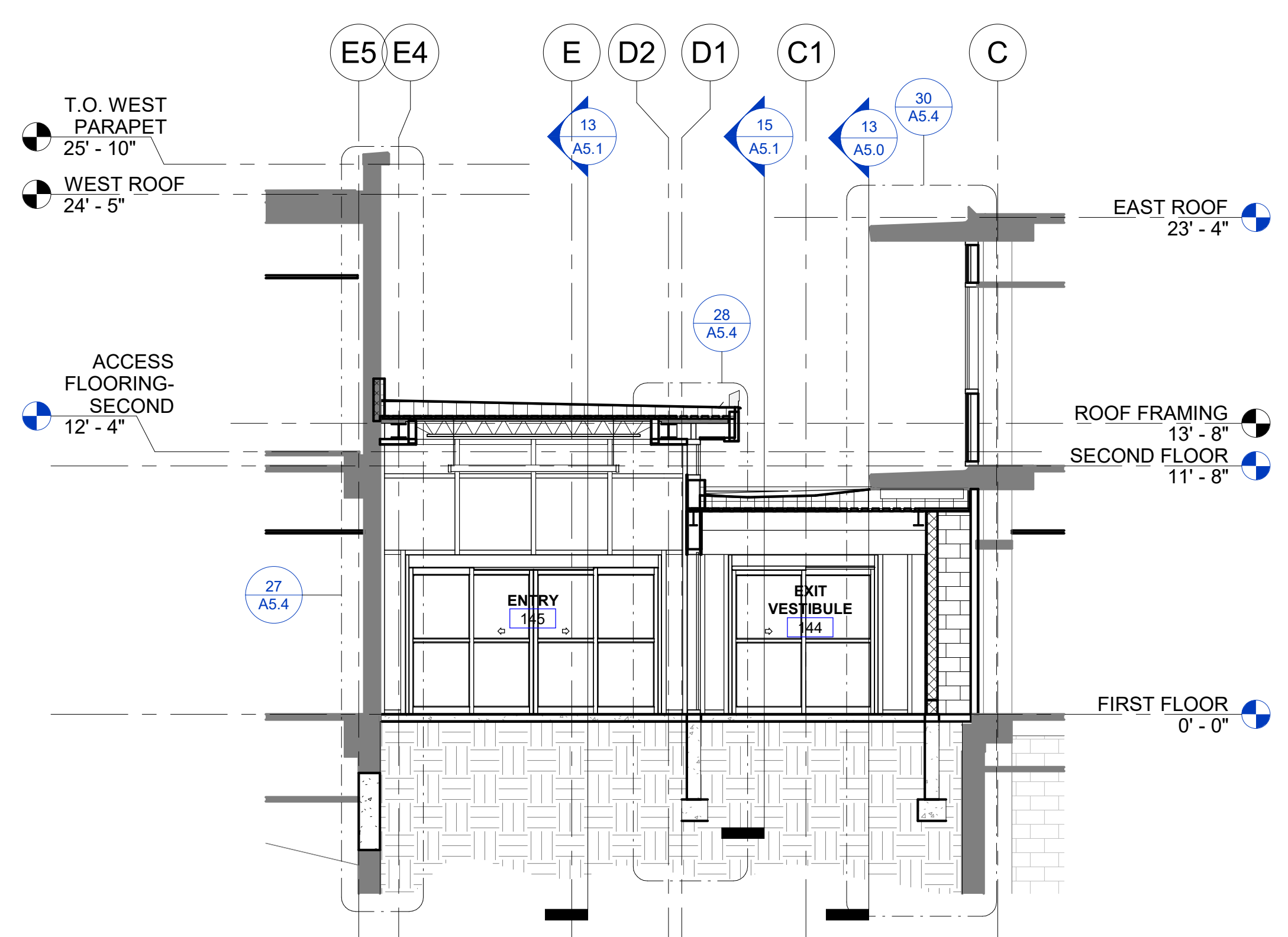
5 AUDITOR'S ENTRY NORTH/SOUTH SECTION
1/4" = 1'-0"



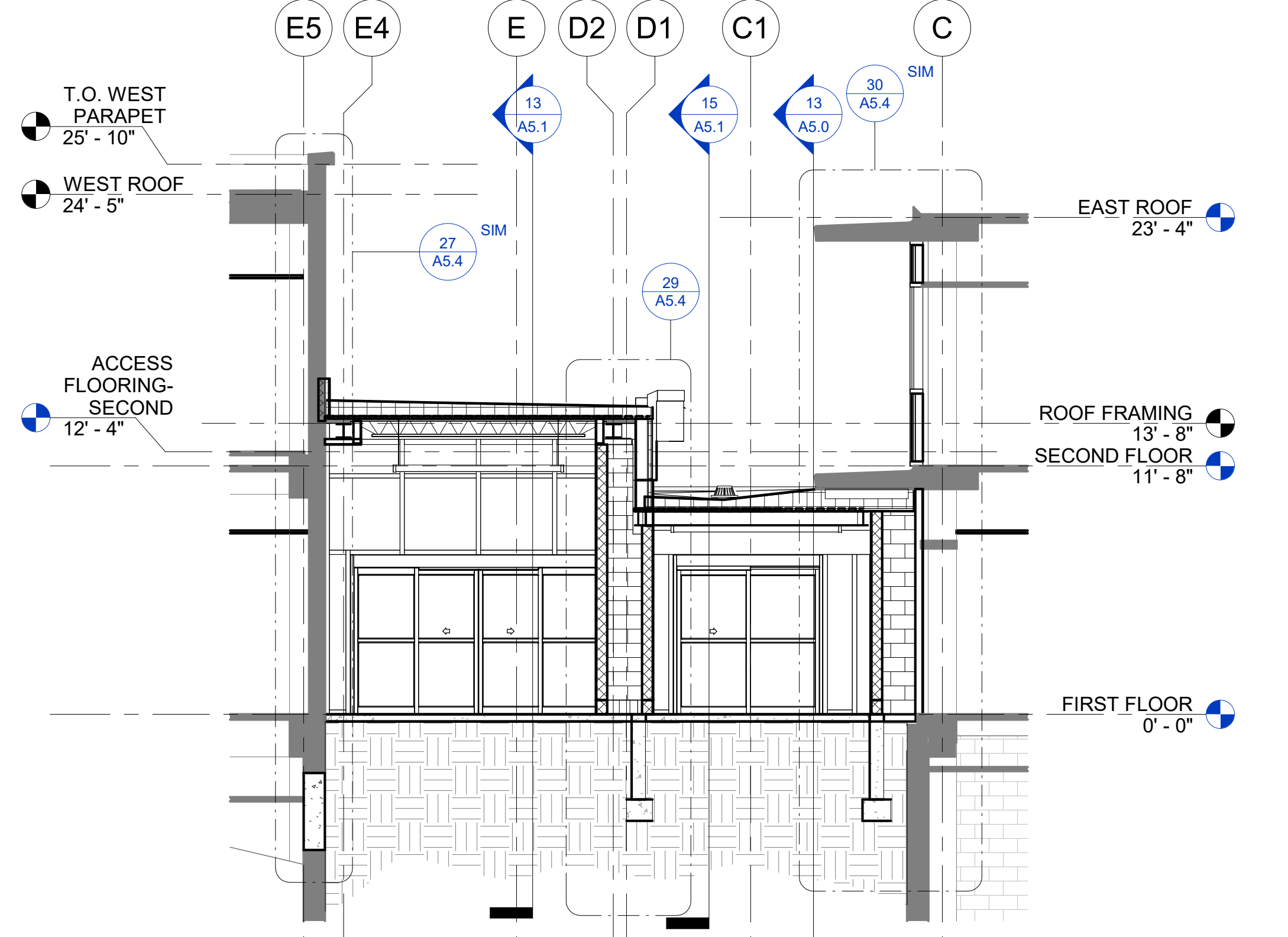
13 ENTRY EAST/WEST SECTION
3/16" = 1'-0"



15 EXIT VESTIBULE EAST/WEST SECTION
3/16" = 1'-0"



25 ENTRY NORTH/SOUTH SECTION
3/16" = 1'-0"



27 ENTRY NORTH/SOUTH SECTION 2
3/16" = 1'-0"

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

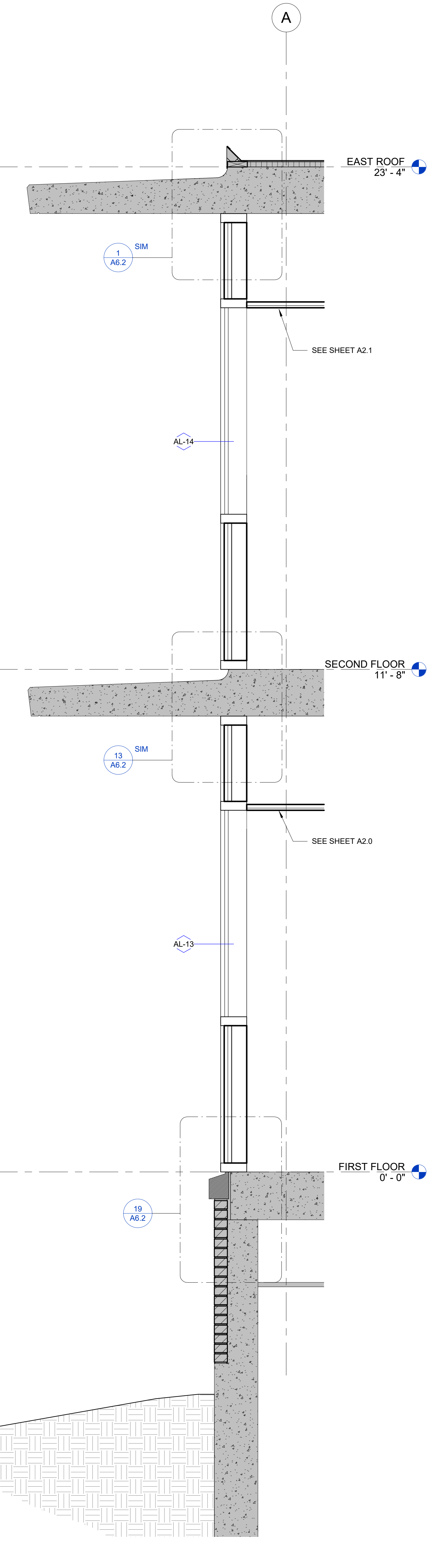
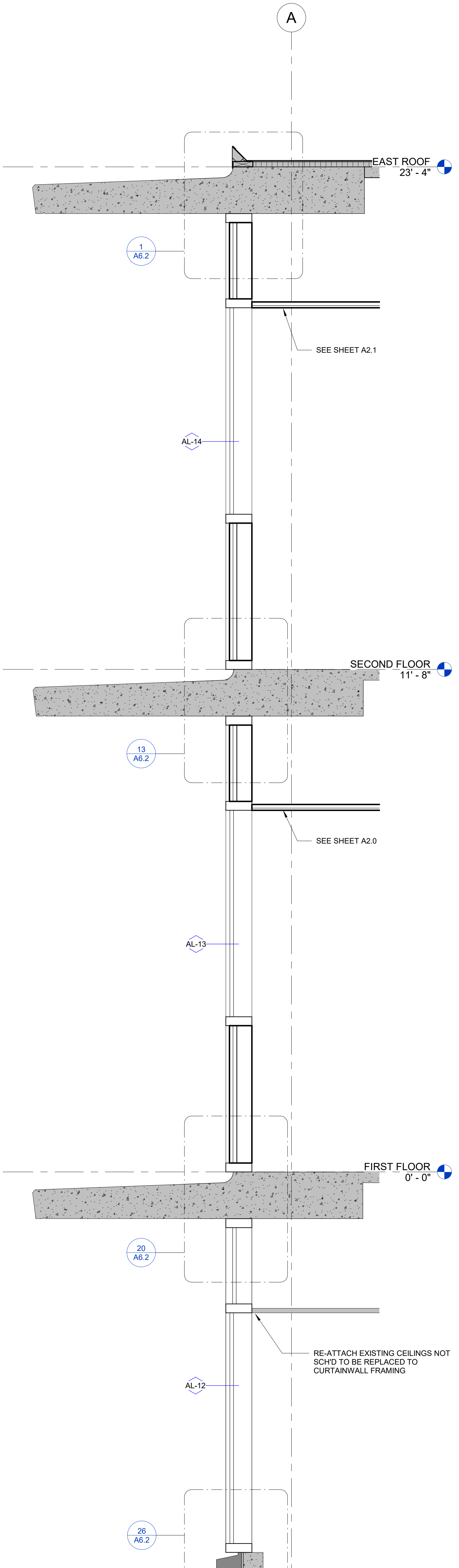
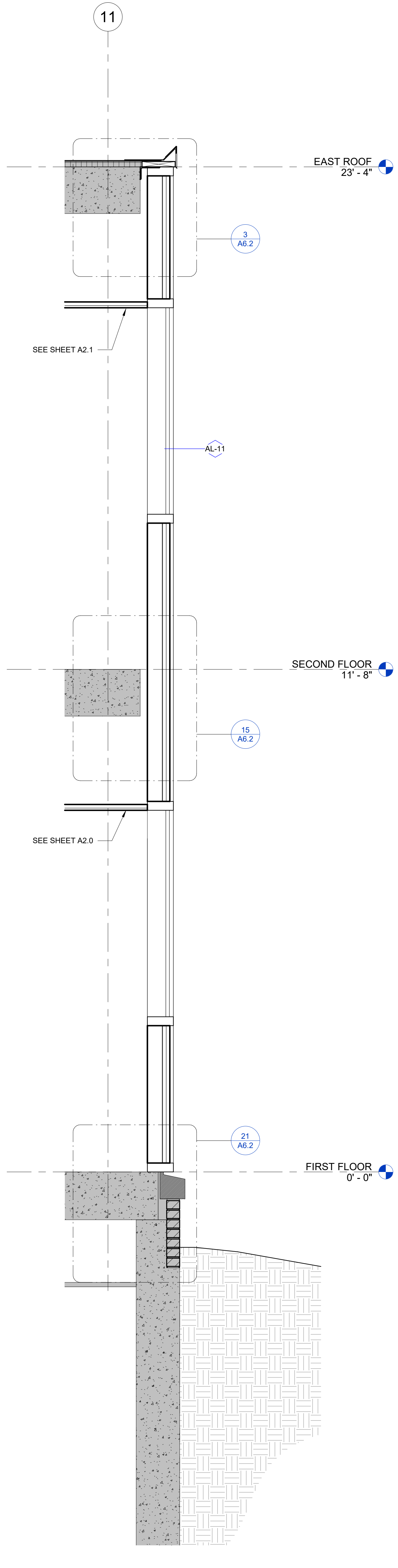
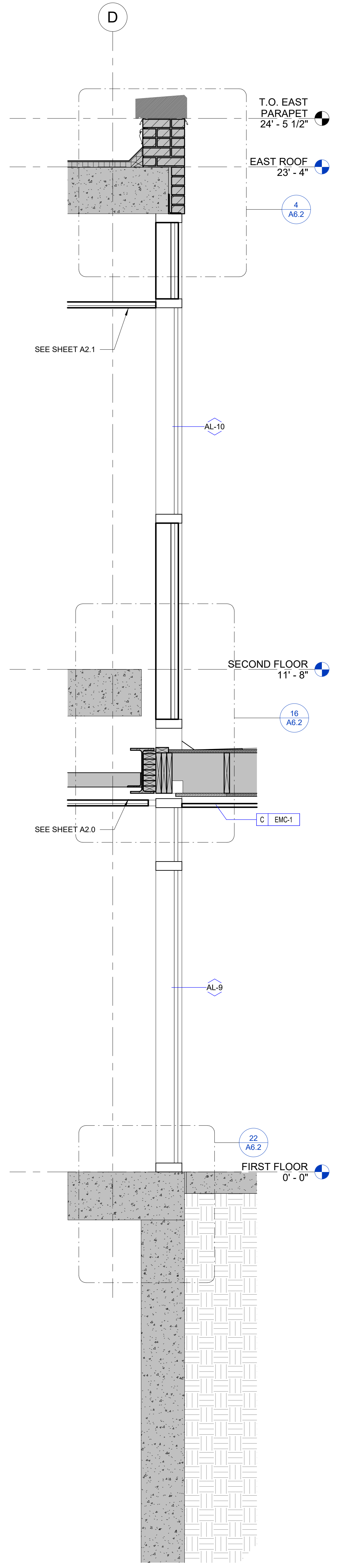
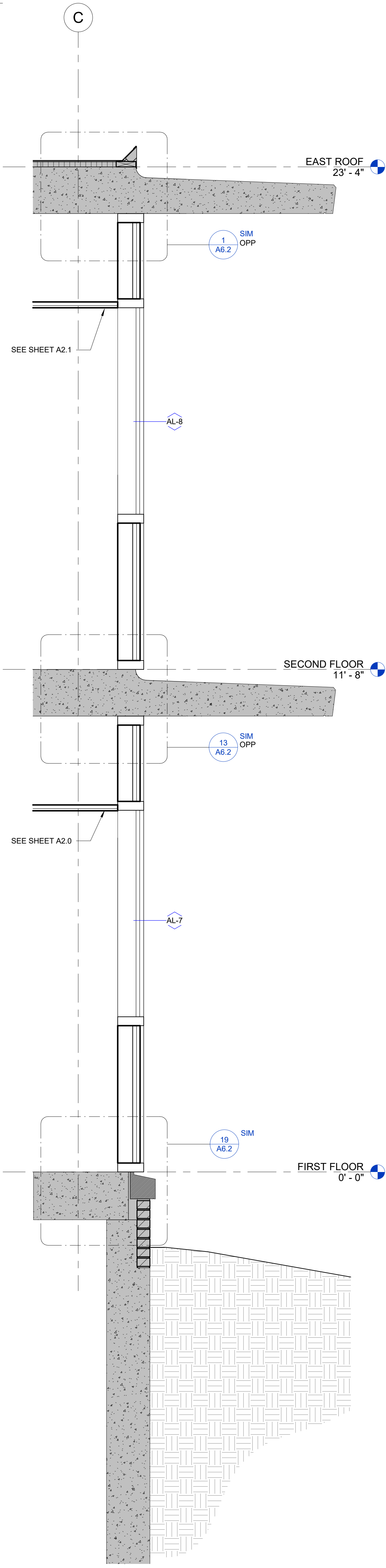
Rev	Description	Date
22072	Issued for Bidding	02-13-2024
MEM	Issued for Construction	

Approved By: [Signature] Date: [Date]
Address: 1900 N. 3rd Street, Clinton, IA 52732
All content based on: 20422 - 14 Sheet 104

Sheet Title

**BUILDING
SECTIONS**

A5.1



25 NORTH WALL SECTION
3/4" = 1'-0"

26 AUDITOR'S ENTRY WALL SECTION
3/4" = 1'-0"

27 EAST WALL SECTION
3/4" = 1'-0"

29 SOUTH WALL SECTION
3/4" = 1'-0"

30 SOUTH WALL SECTION 2
3/4" = 1'-0"

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

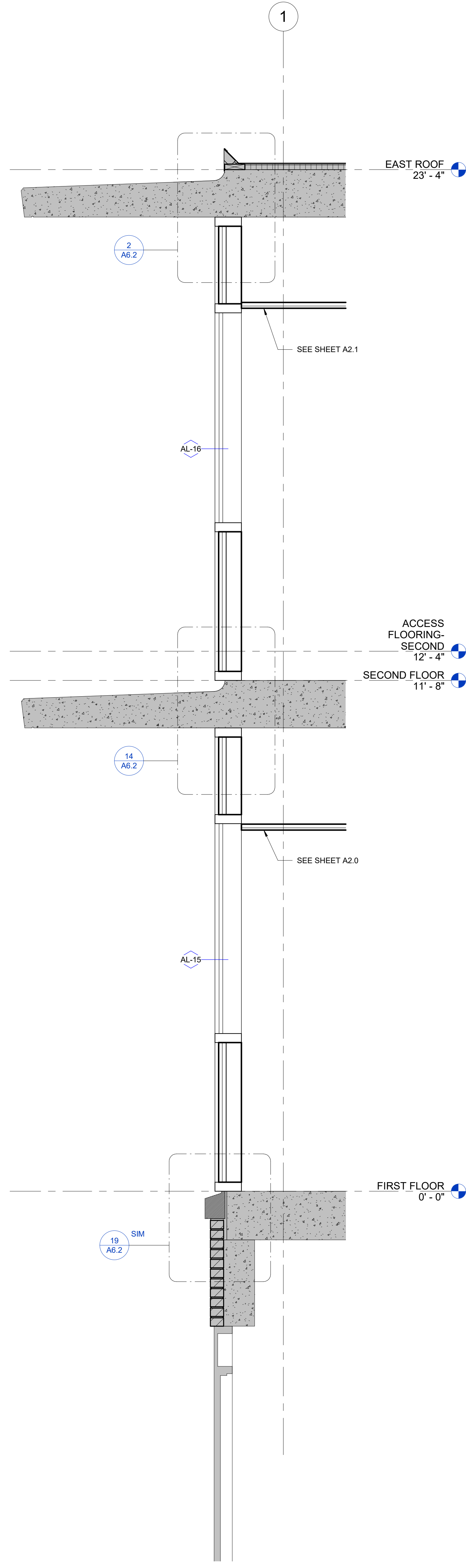
Rev	Description	Date
202072	Issued for Bidding	02-13-2024
MEM	Issued for Construction	

Address: 1900 N. 3rd St., Clinton, IA 52732
All content based on: 20412, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

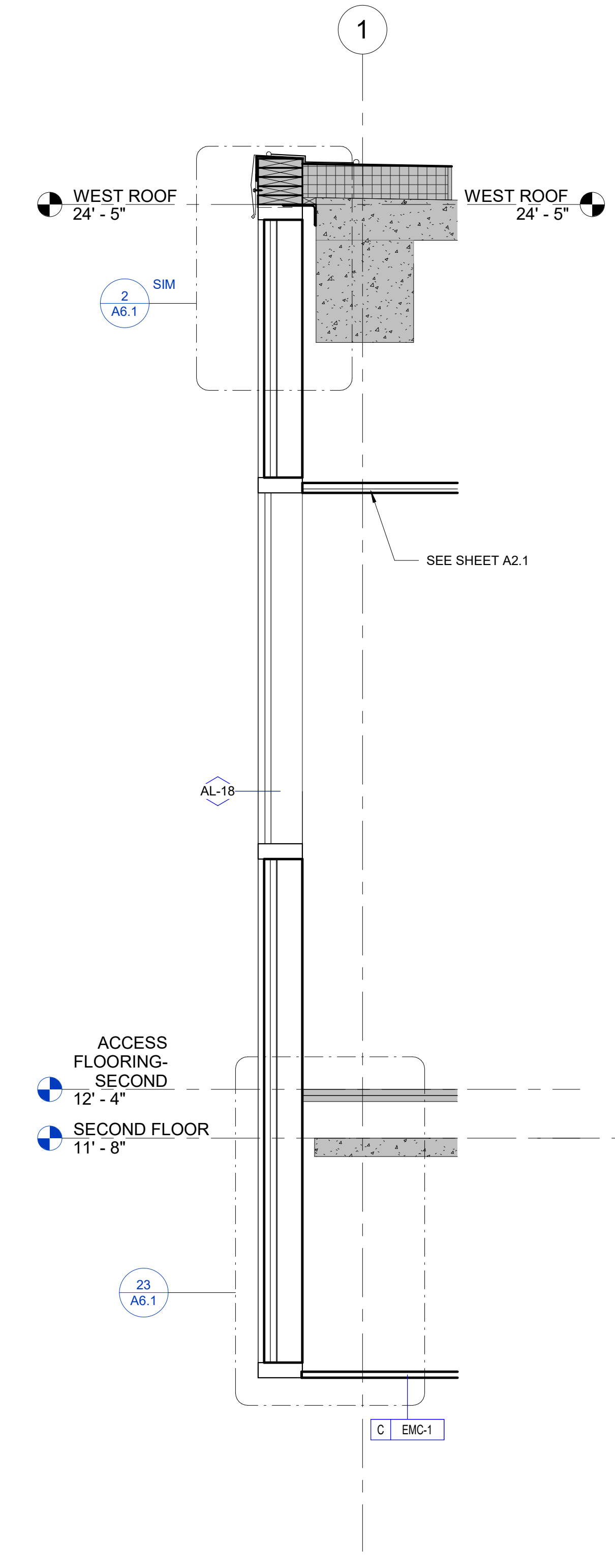
Sheet Title

WALL SECTIONS

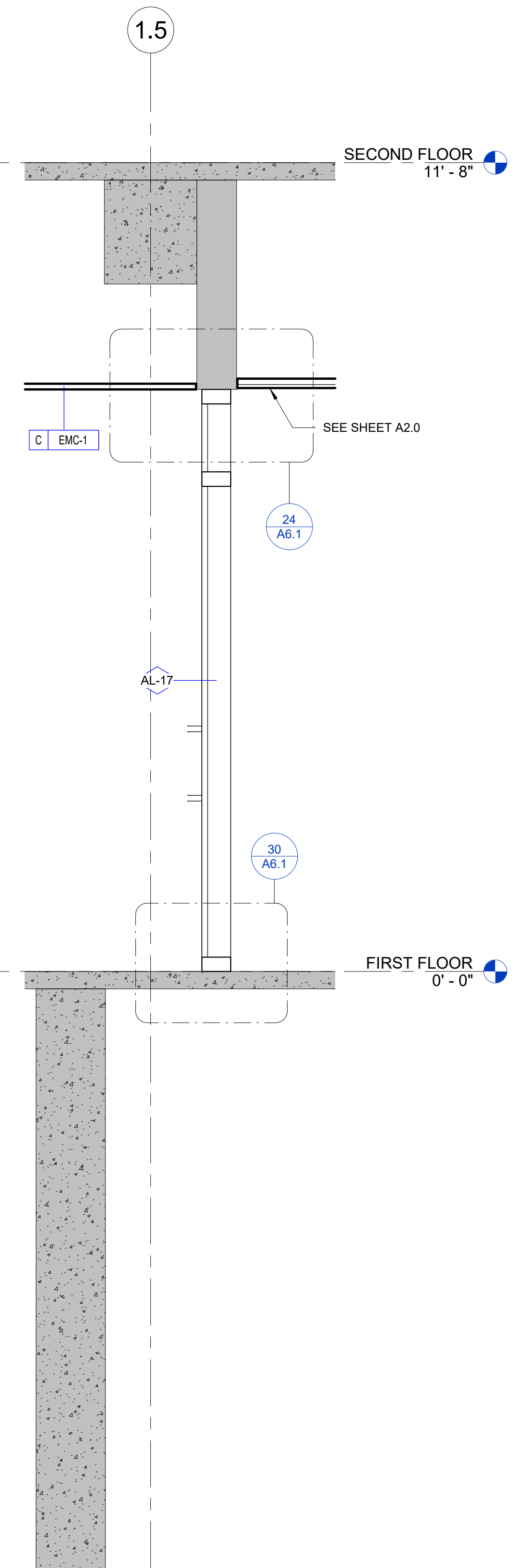
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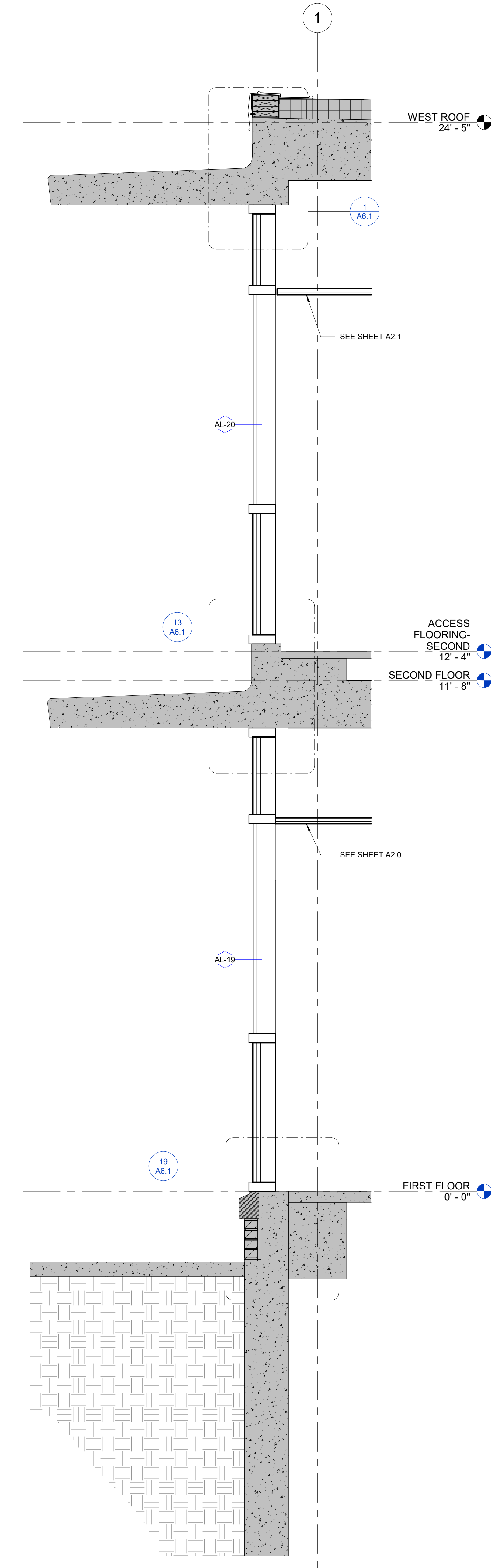
25 WEST WALL SECTION
3/4" = 1'-0"



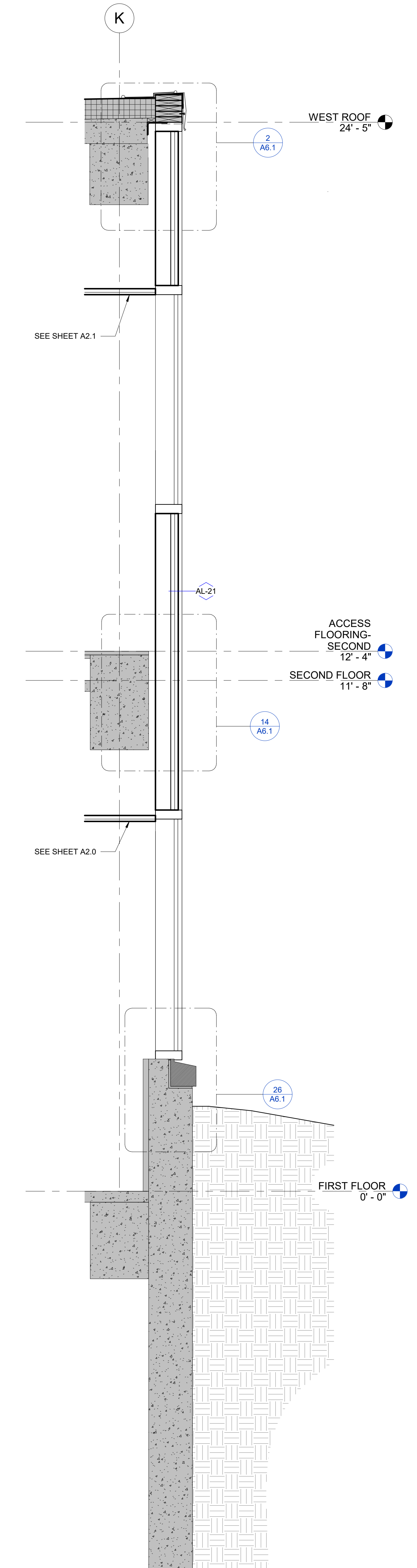
27 19TH AVE N ENTRY SECTION- SECOND FLOOR
3/4" = 1'-0"



28 19TH AVE N ENTRY SECTION- FIRST FLOOR
3/4" = 1'-0"



29 WEST WALL SECTION- WEST WING
3/4" = 1'-0"



30 NORTH WALL SECTION- WEST WING
3/4" = 1'-0"

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

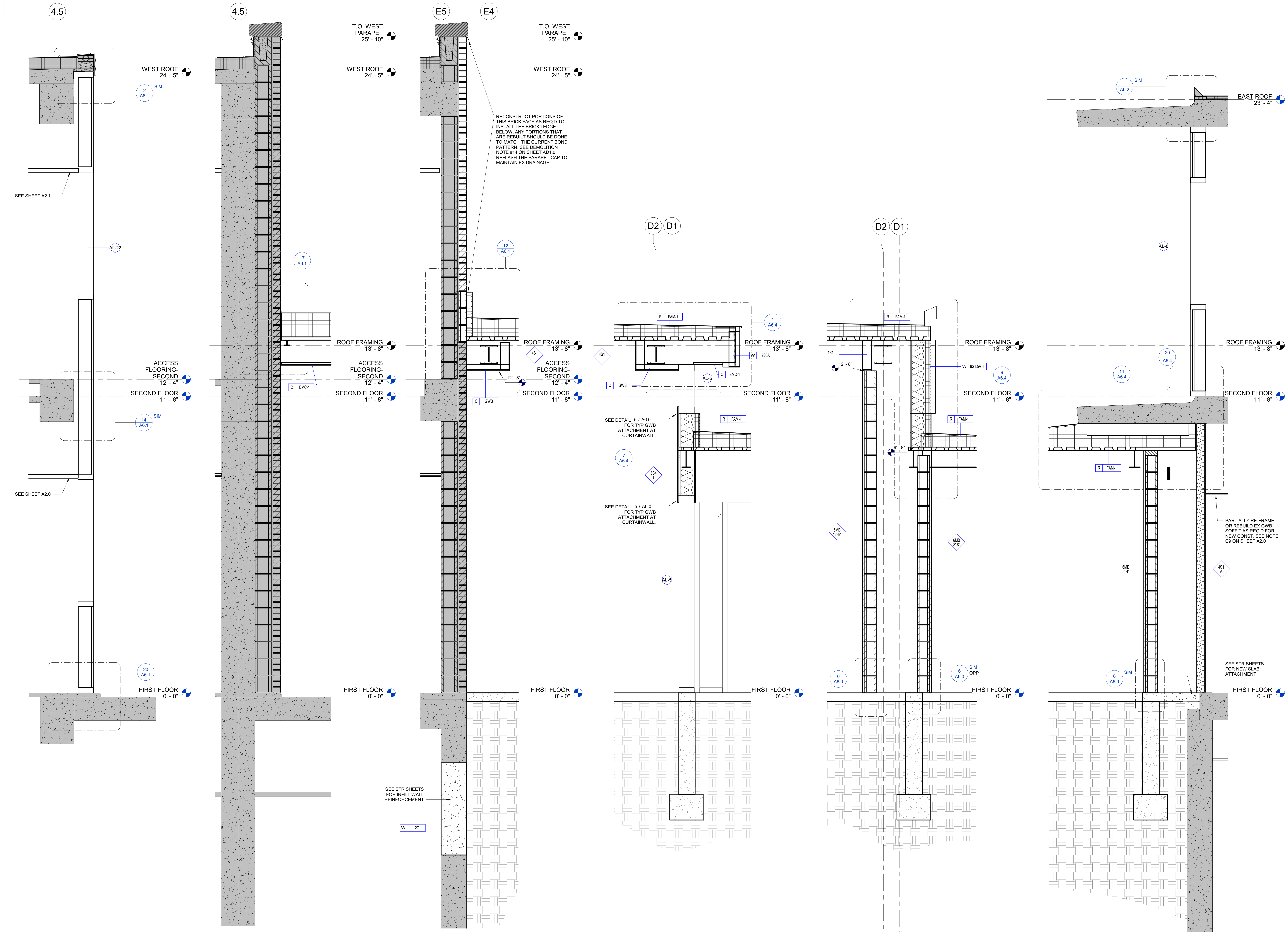
Revisions	Rev	Description	Date
	22072	Issued for Bidding	02-13-2024
	MEM	Issued for Construction	

Address: 1900 N. 3rd St., Clinton, IA 52732
 All content based on: 3/4" = 1'-0" sheet size.

Sheet Title

WALL SECTIONS

A5.3



25 EAST WALL SECTION- WEST WING
3/4" = 1'-0"

26 VESTIBULE OVERHANG AT EAST WALL
3/4" = 1'-0"

27 EXISTING BRICK WALL AT UPPER VESTIBULE
3/4" = 1'-0"

28 UPPER VESTIBULE TO LOWER VESTIBULE
3/4" = 1'-0"

29 VESTIBULE CHASE
3/4" = 1'-0"

30 EXISTING NORTH WALL AT LOWER VESTIBULE
3/4" = 1'-0"

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

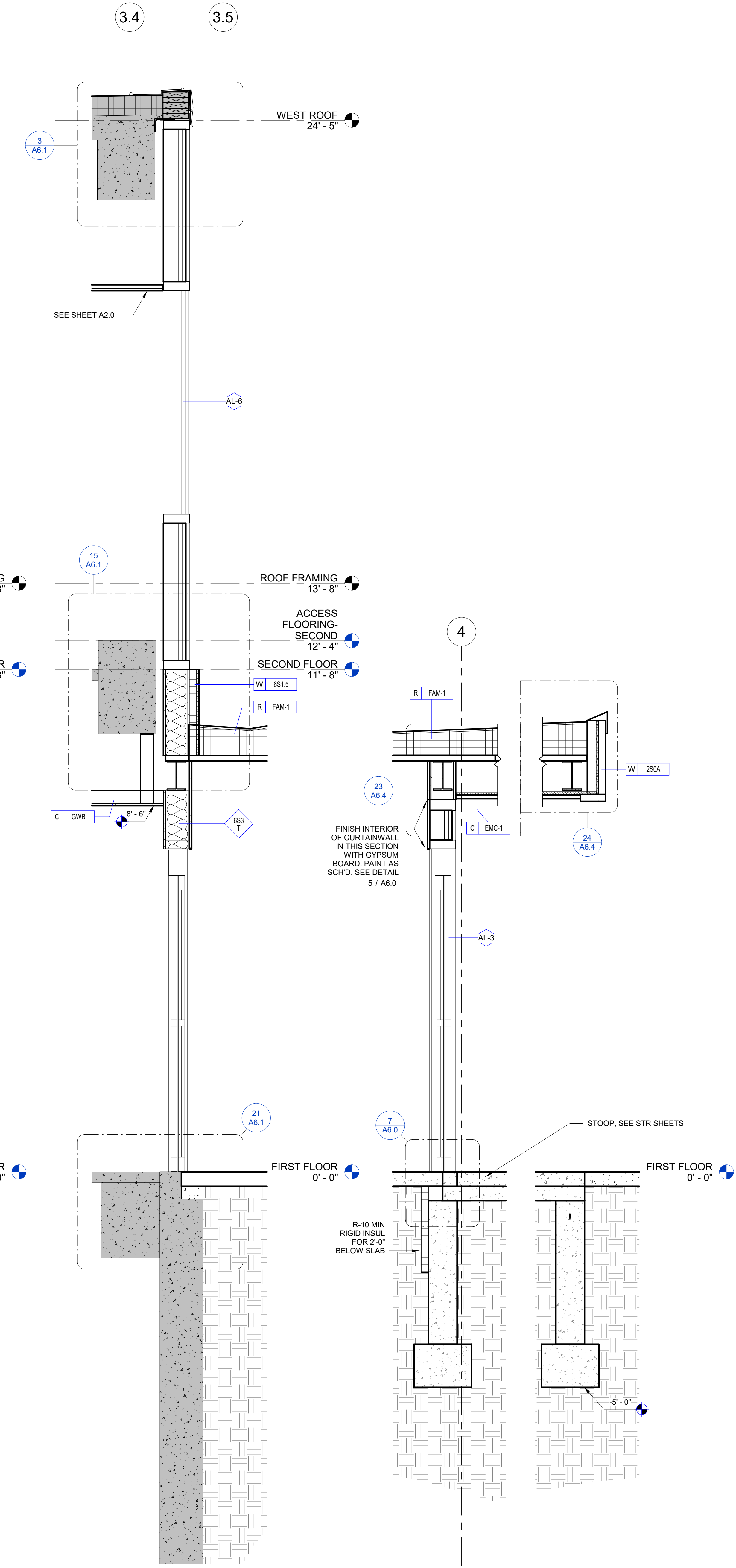
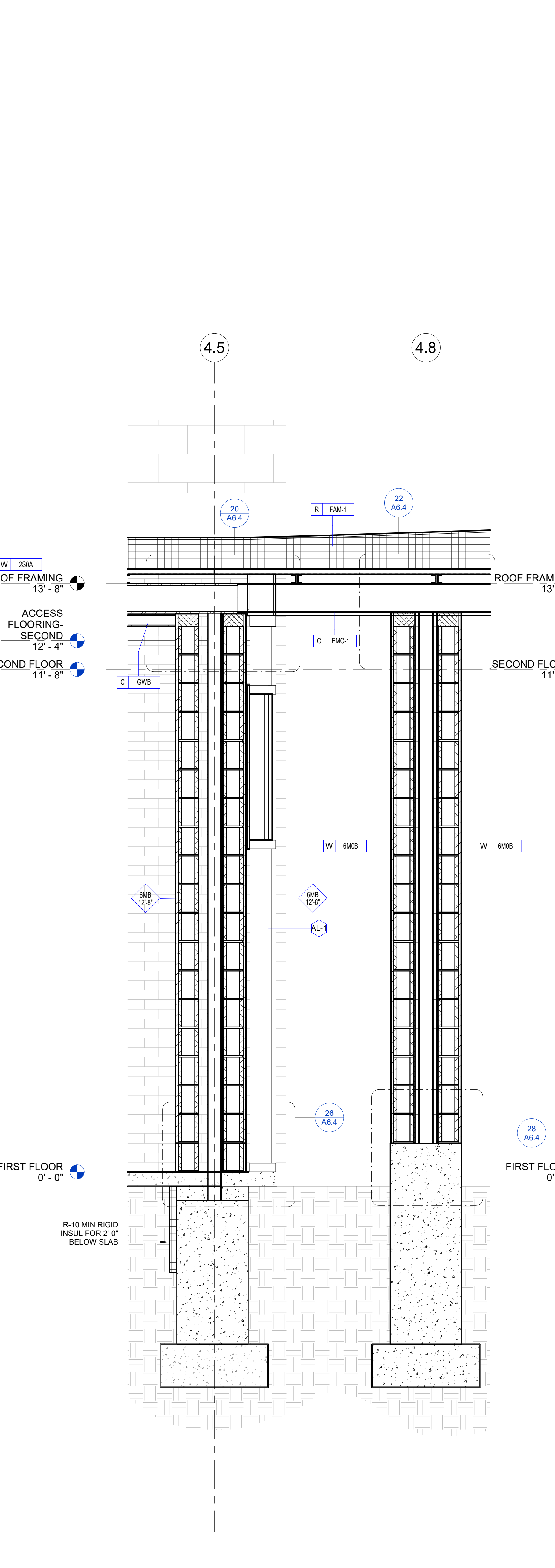
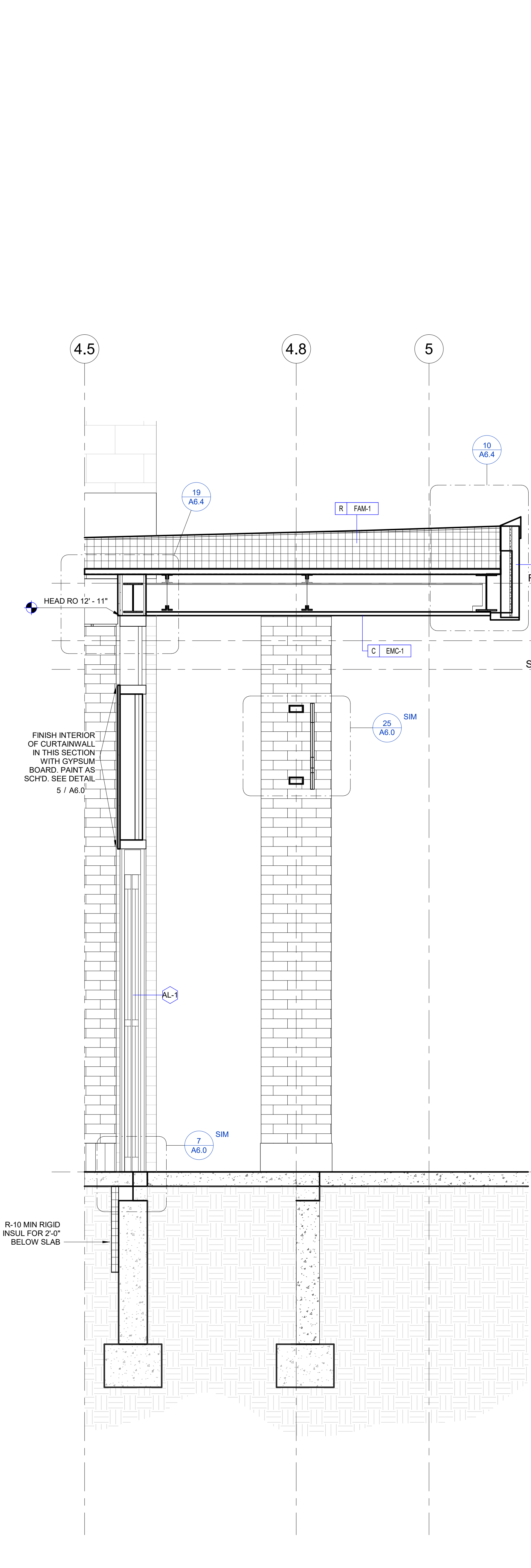
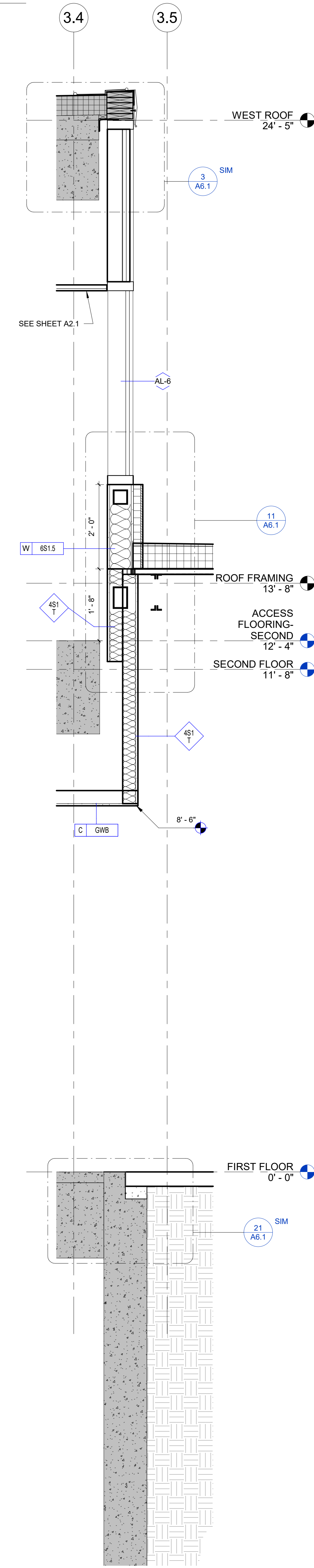
Rev	Description	Date
22072	Issued for Bidding	02-13-2024
MEM	Issued for Construction	

Address: 1900 N. 3rd St., Clinton, IA 52732
 All content based on: 3/4" = 1'-0" scale
 2/17/2024 11:15:15 AM

Sheet Title

WALL SECTIONS

A5.4



25 CURTAIN WALL AT UPPER VESTIBULE
3/4" = 1'-0"

26 ENTRY WALL SECTION
3/4" = 1'-0"

28 ENTRY WALL AT COLUMN COVER
3/4" = 1'-0"

29 CURTAINWALL AT LOWER VESTIBULE
3/4" = 1'-0"

30 LOWER VESTIBULE CANOPY
3/4" = 1'-0"

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

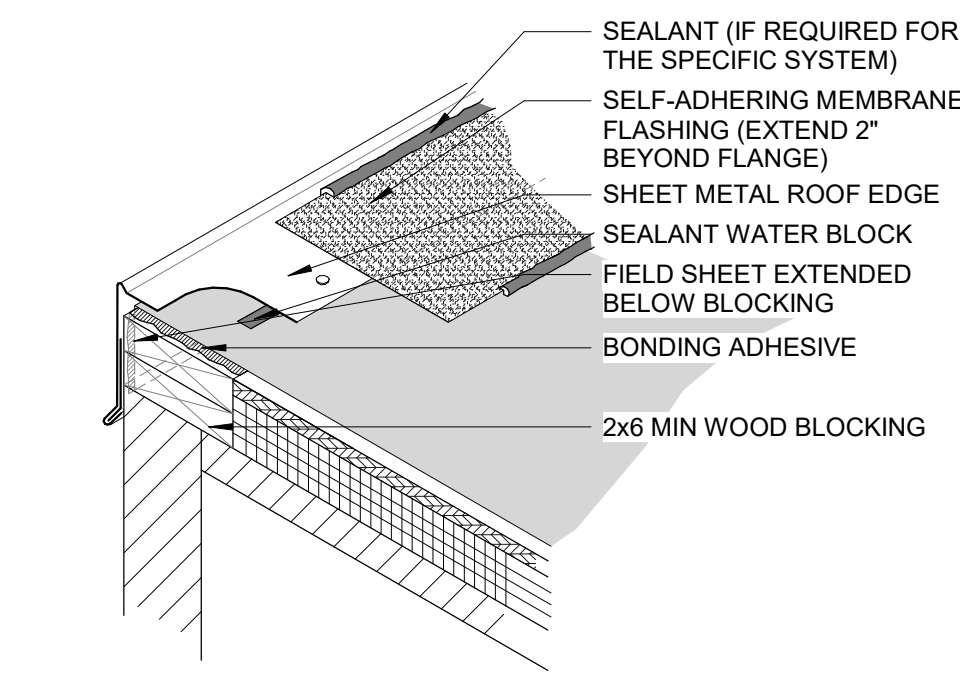
Rev	Description	Date
22072	Issued for Bidding	02-13-2024
MEM	Issued for Construction	

Project Manager
Address: 1700 20th Street, Clinton, IA 52732
All content based on: 20412 - 14 sheet size.

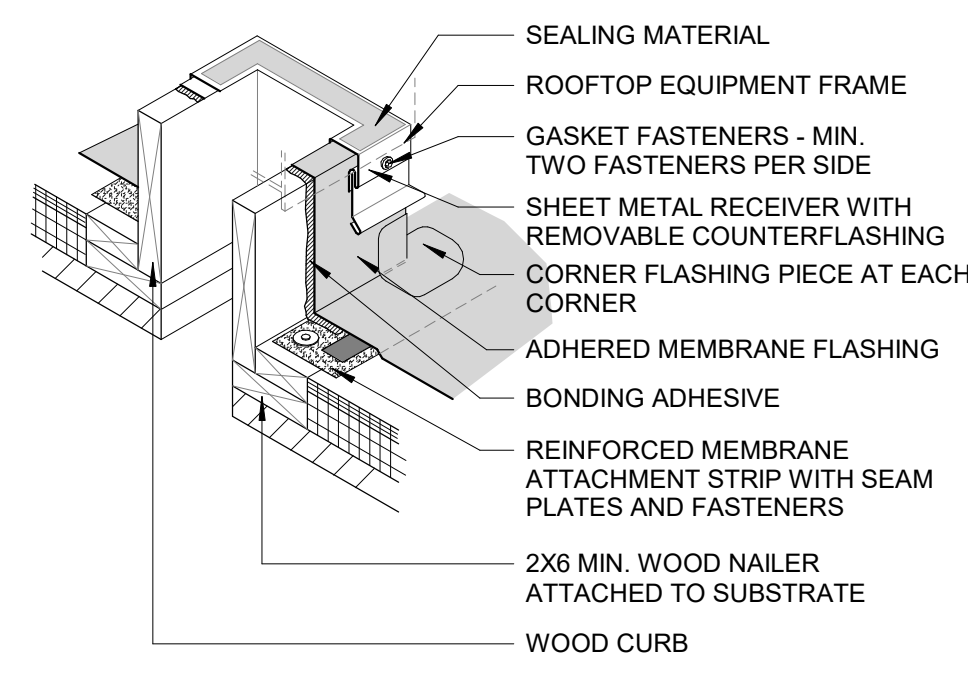
Sheet Title

WALL SECTIONS

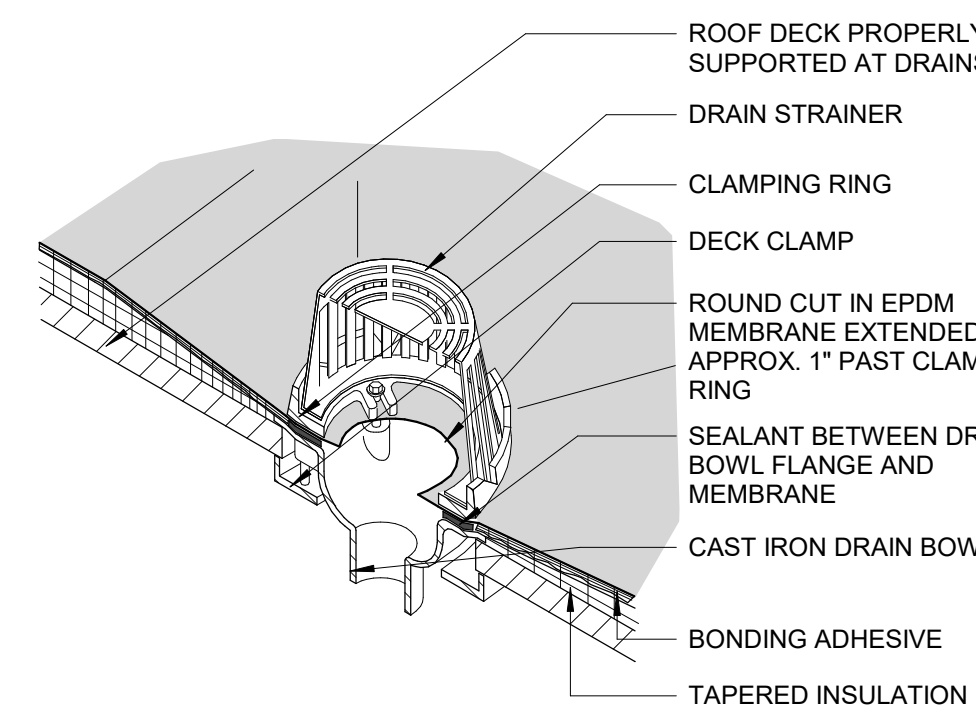
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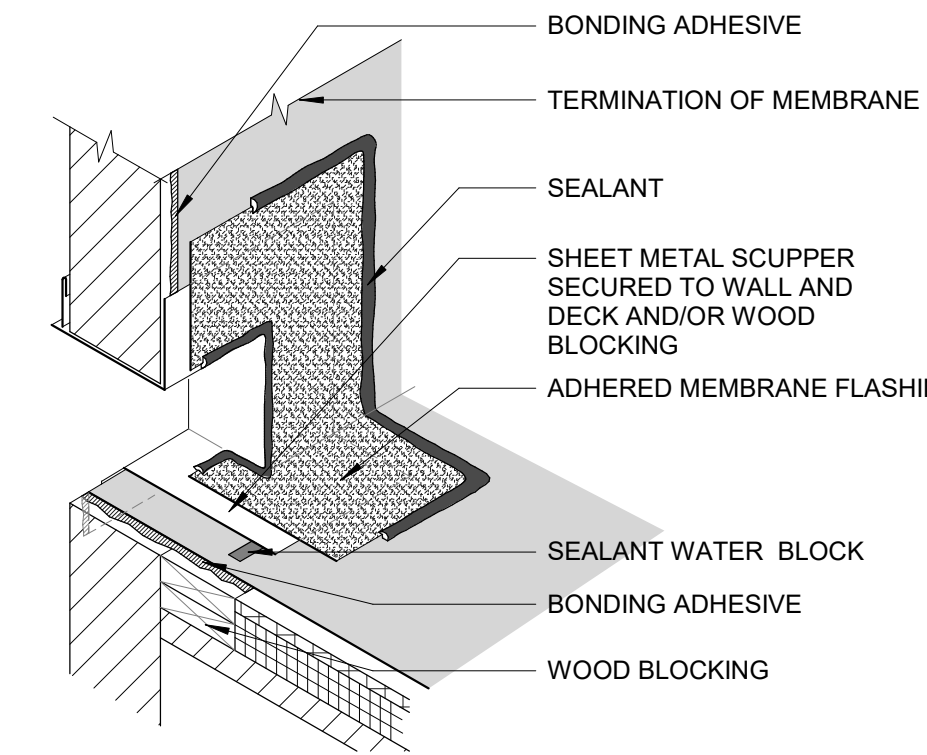
1 ROOF EDGE FLASHING AT CURTAINWALL
NOT TO SCALE



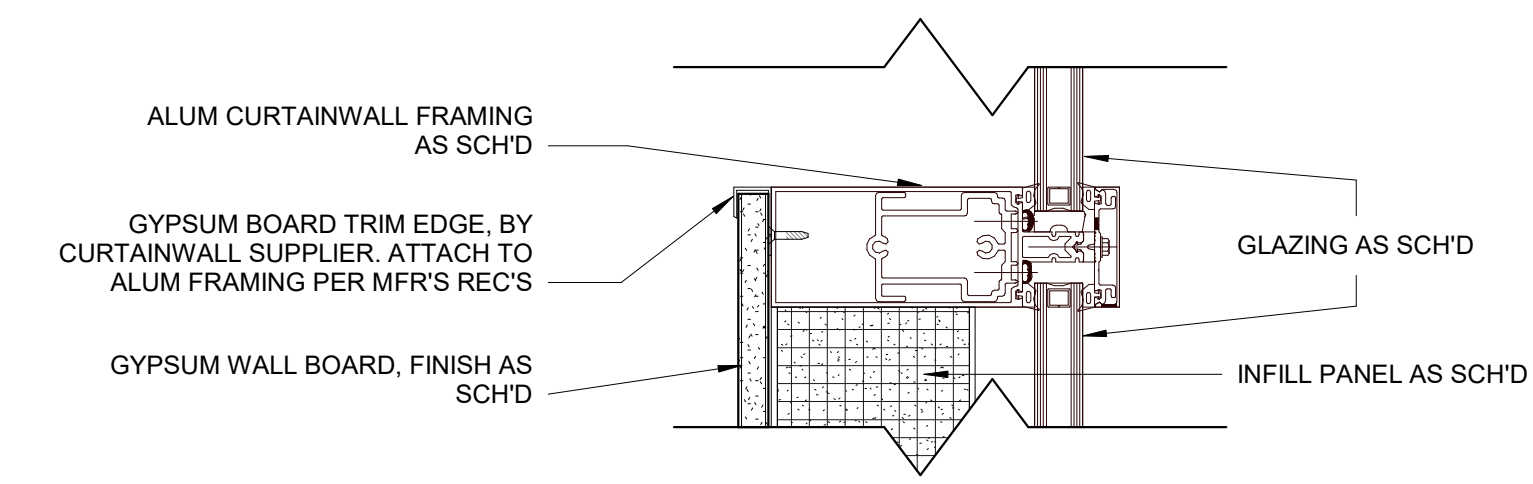
2 TYP CURB DETAIL
NOT TO SCALE



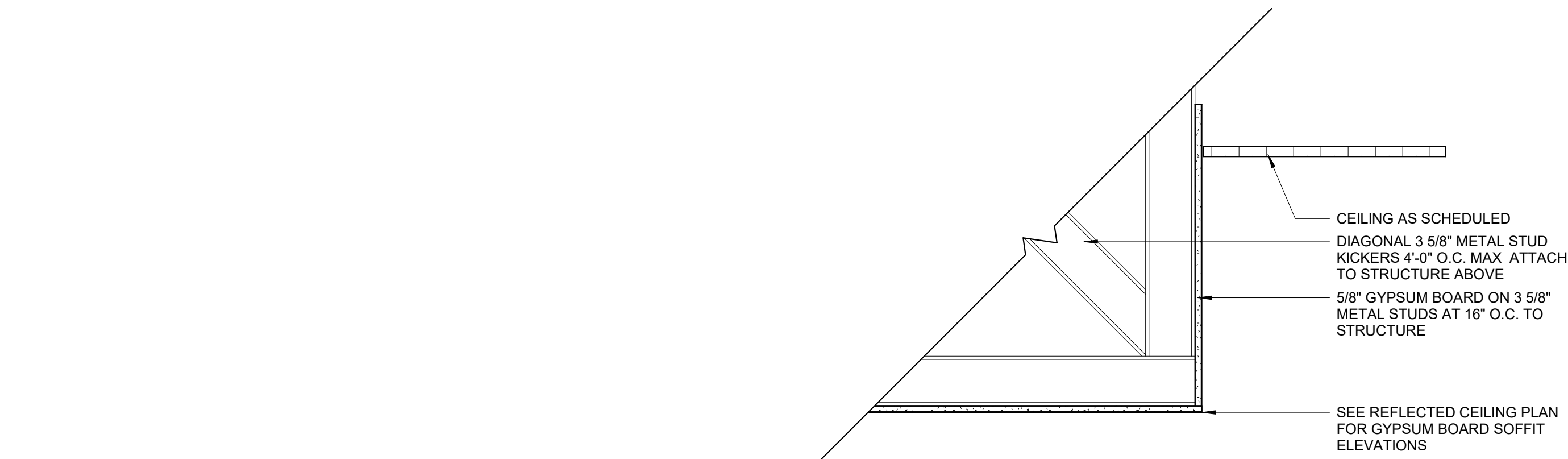
3 TYP ROOF DRAIN DETAIL
NOT TO SCALE



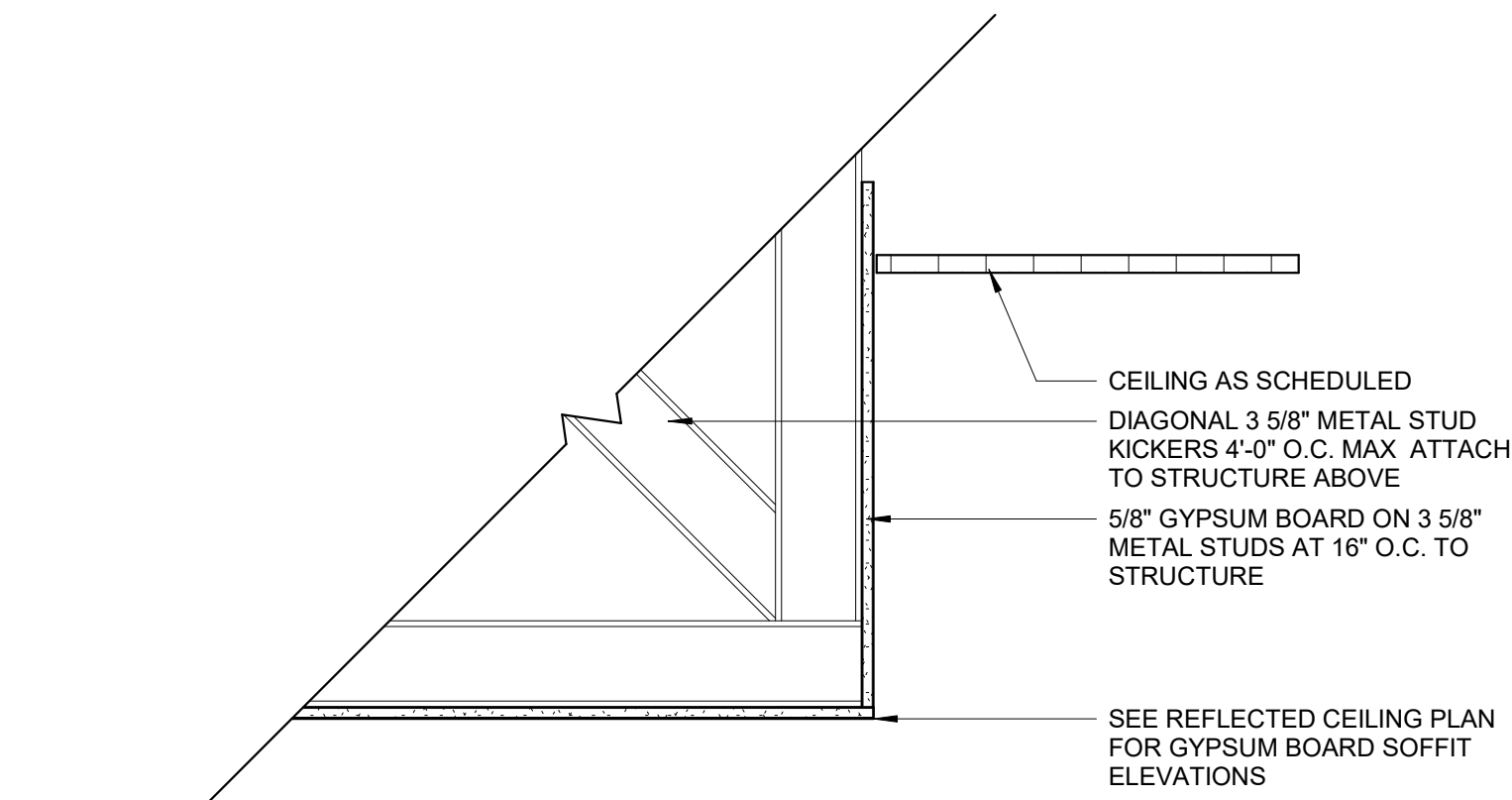
4 TYP SCUPPER OPENING DETAIL
NOT TO SCALE



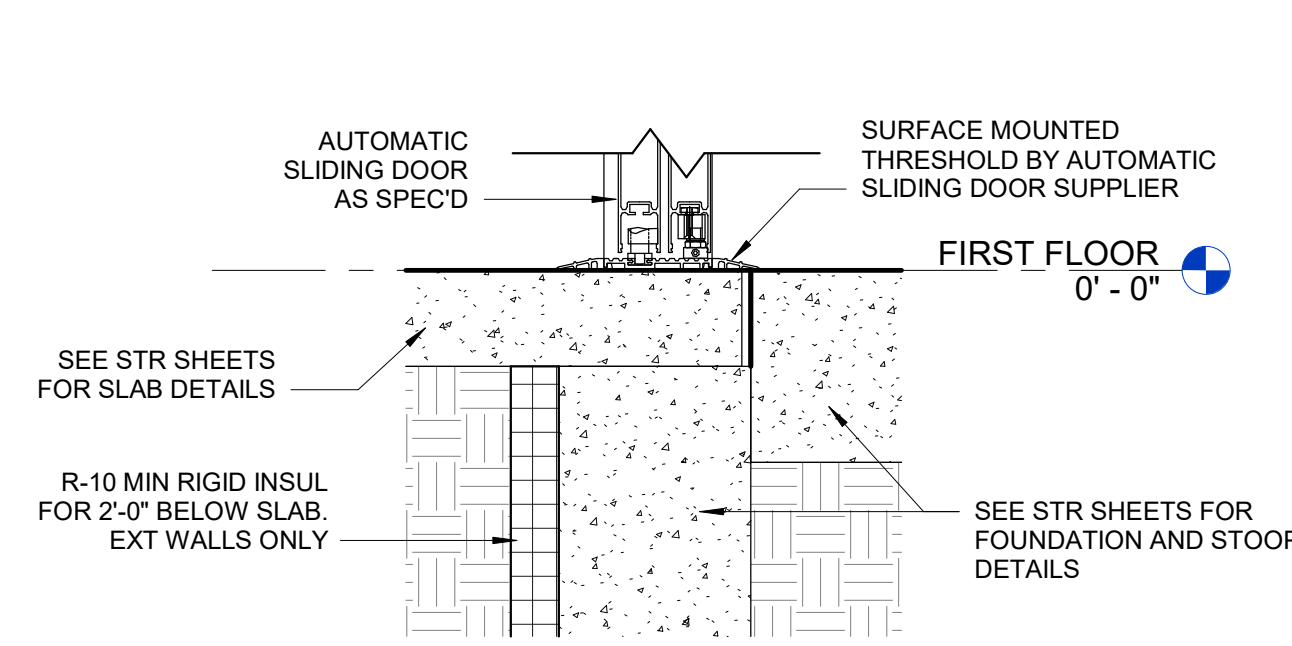
5 TYPICAL APPLIED GYPSUM BOARD TRIM
DETAIL AT CURTAINWALL
3\"/>



13 TYP INT CEILING BULKHEAD DETAIL
1 1/2\"/>



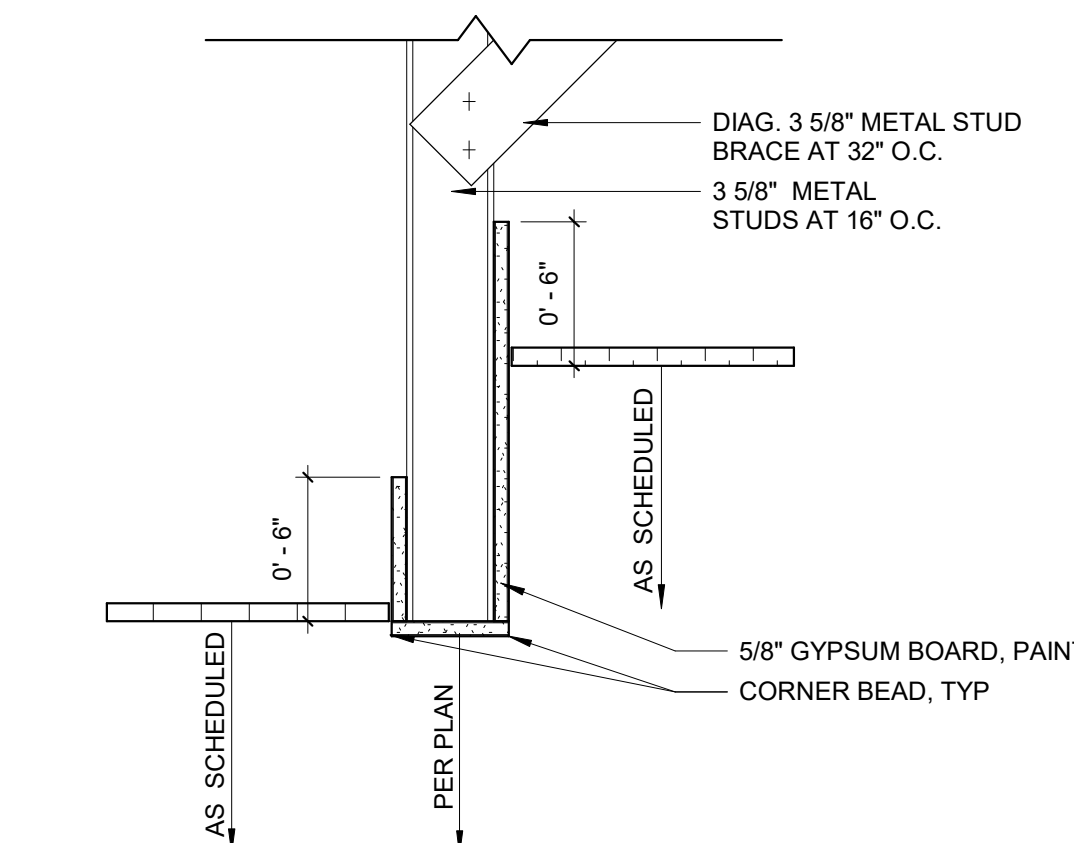
14 TYP INT CEILING GYP BD SOFFIT
1 1/2\"/>



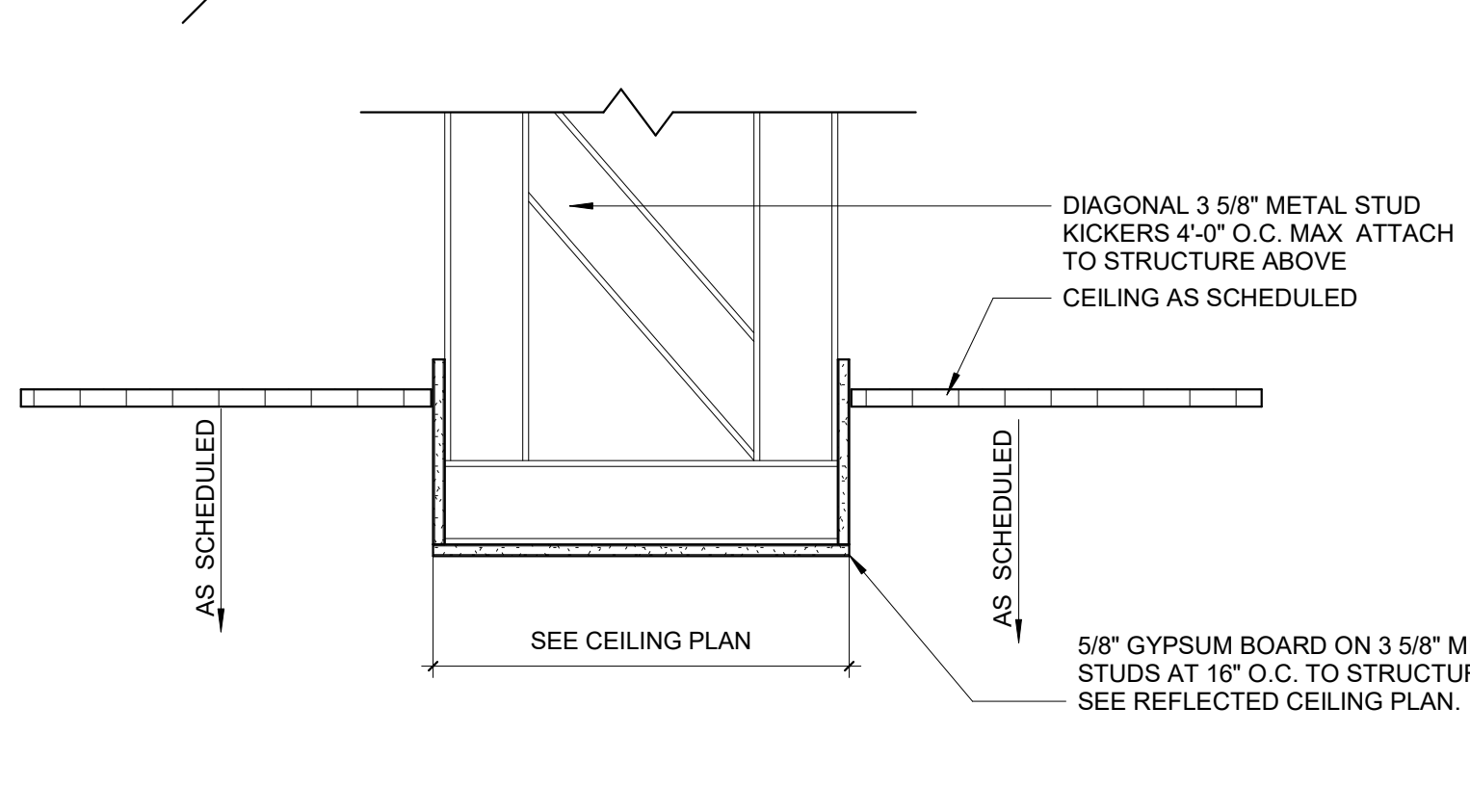
7 TYP THRESHOLD AT AUTOMATIC SLIDING
DOOR
1 1/2\"/>



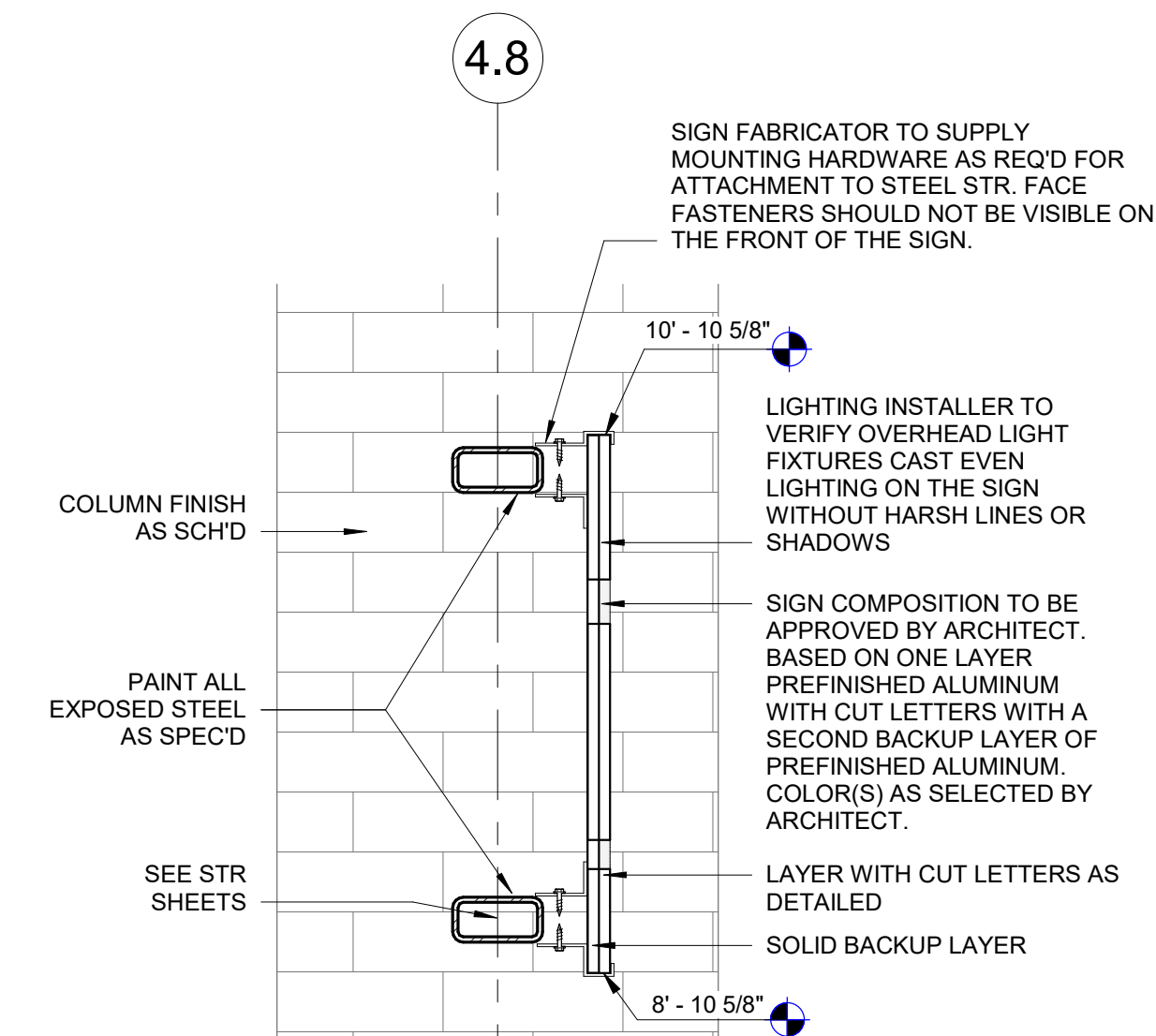
6 TYP INTERIOR BRICK BASE DETAIL
1 1/2\"/>



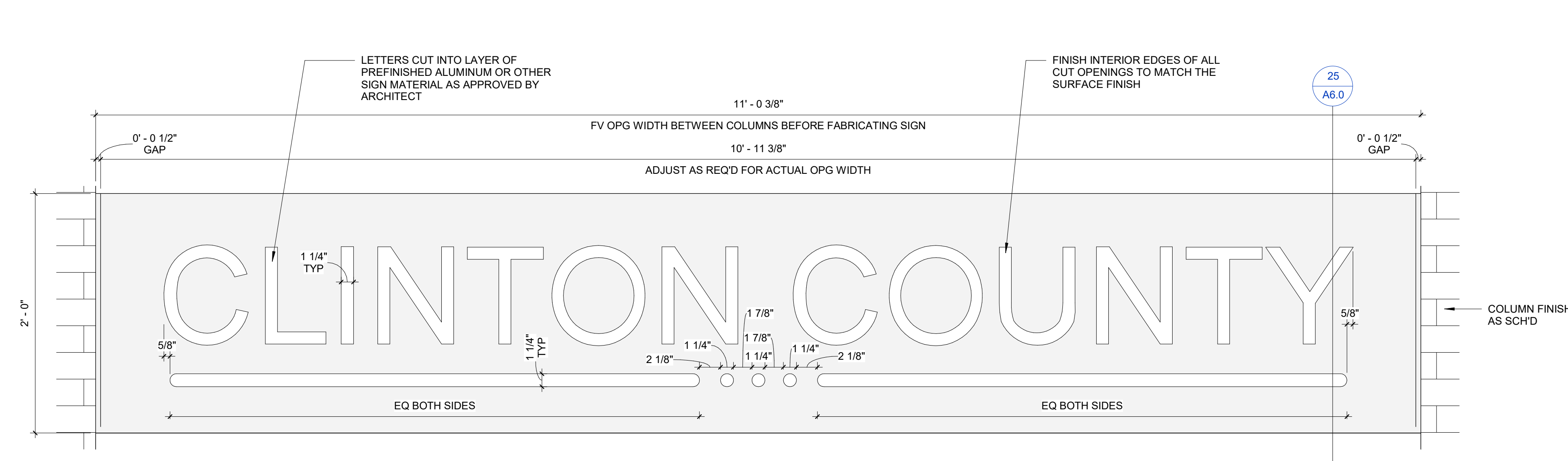
13 TYP INT CEILING BULKHEAD DETAIL
1 1/2\"/>



14 TYP INT CEILING GYP BD SOFFIT
1 1/2\"/>



25 ENTRY SIGNAGE SECTION
1 1/2\"/>



25 ENTRY SIGNAGE ELEVATION
1 1/2\"/>

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

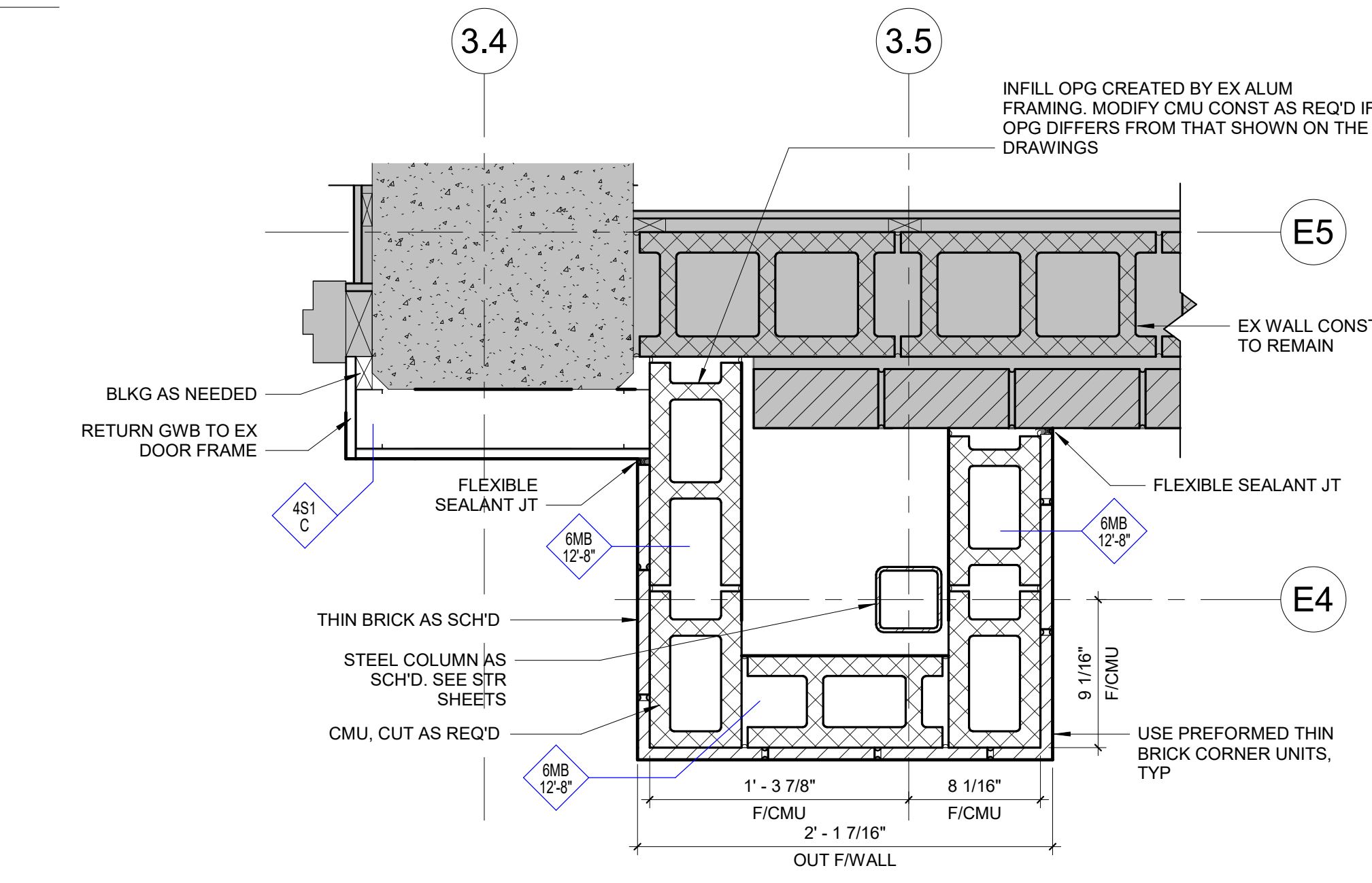
Revisions	Rev	Description	Date
	25	Issued for Bidding	02-13-2024
	MEM	Issued for Construction	

Approved By: [Signature] Date: 02/13/2024
 Address: 1900 N. 3rd Street, Clinton, IA 52732
 All content based on: 2018 IBC, 2018 IBC, 2018 IBC

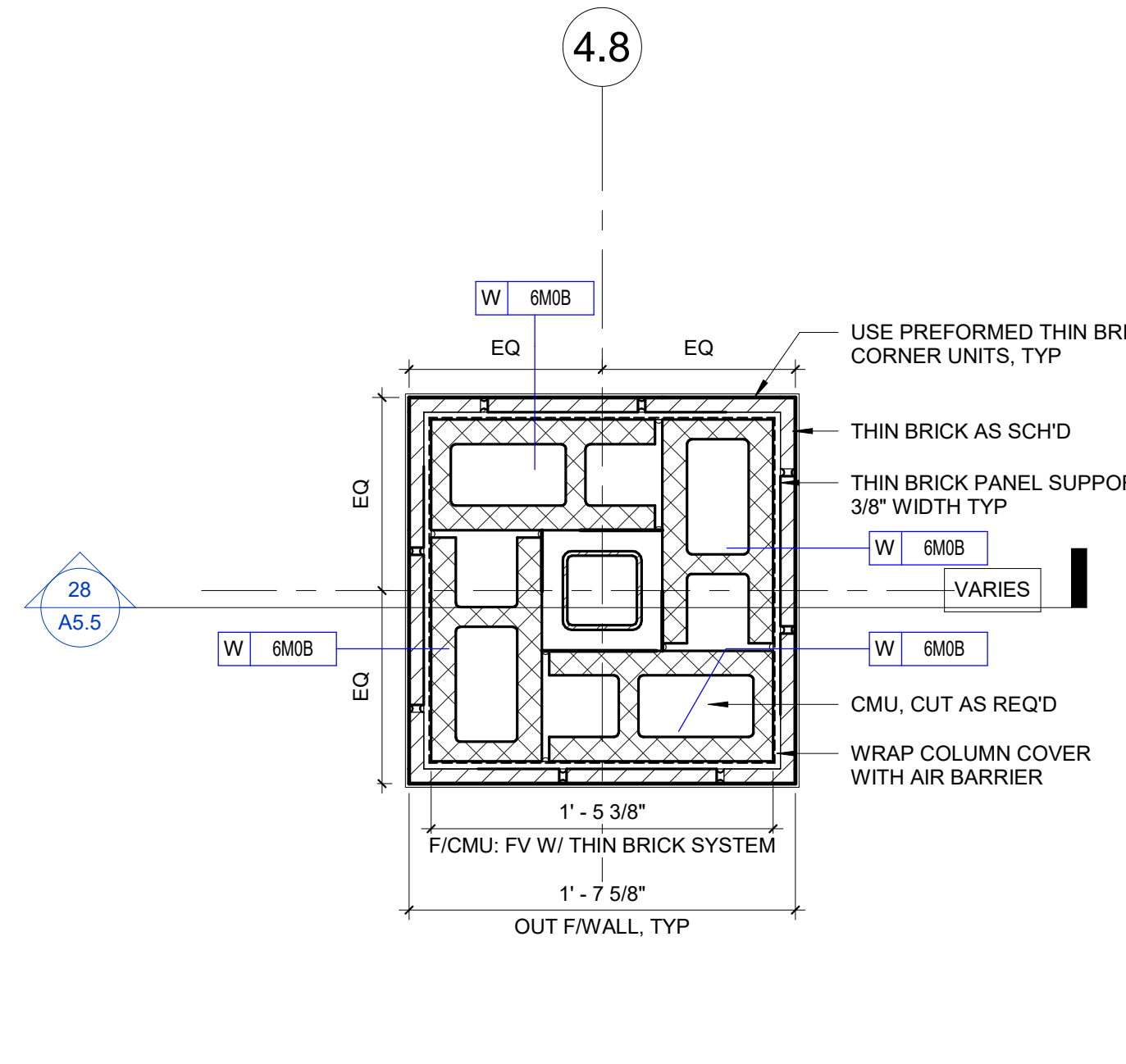
Sheet Title

TYPICAL
DETAILS

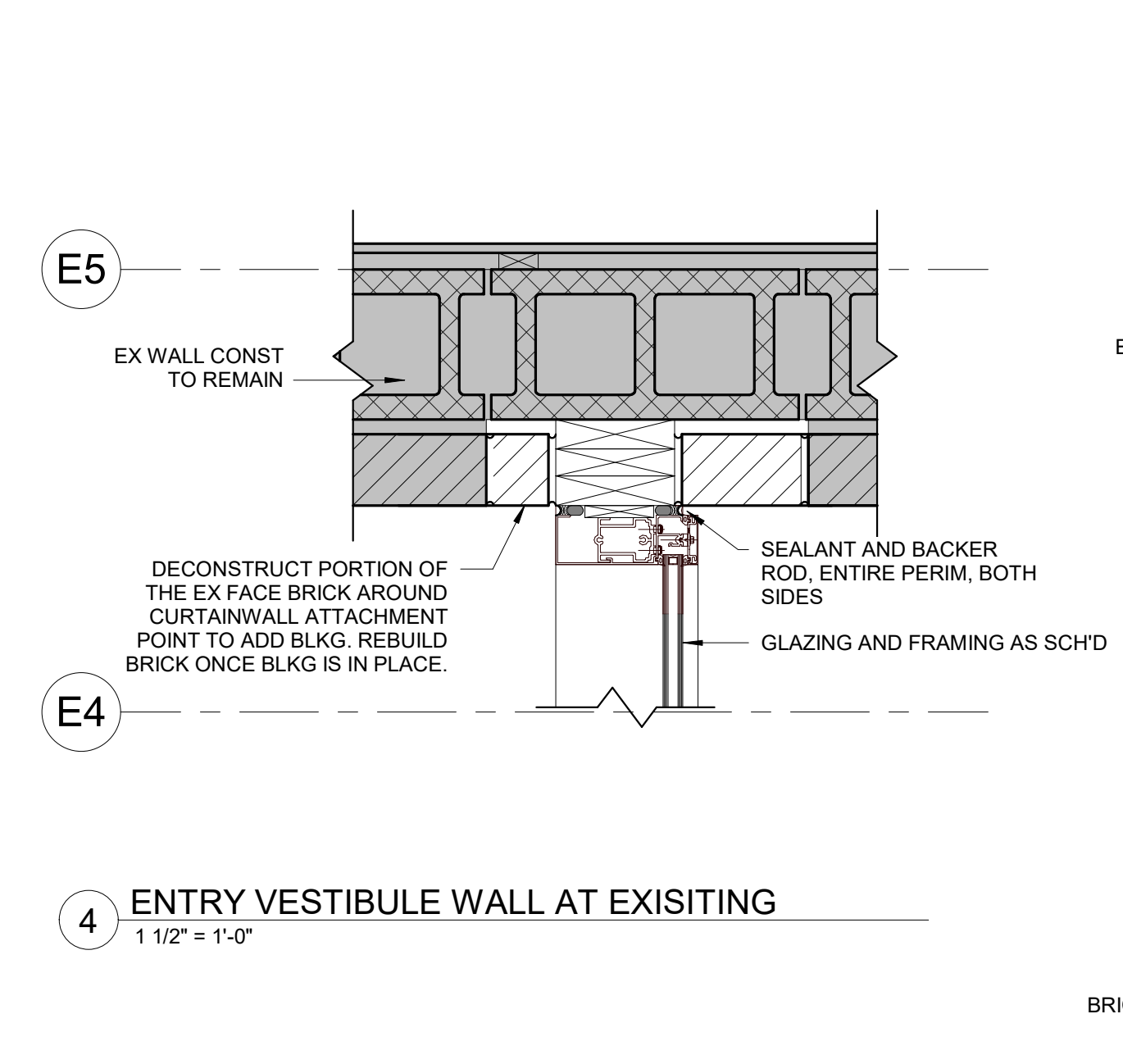
A6.0



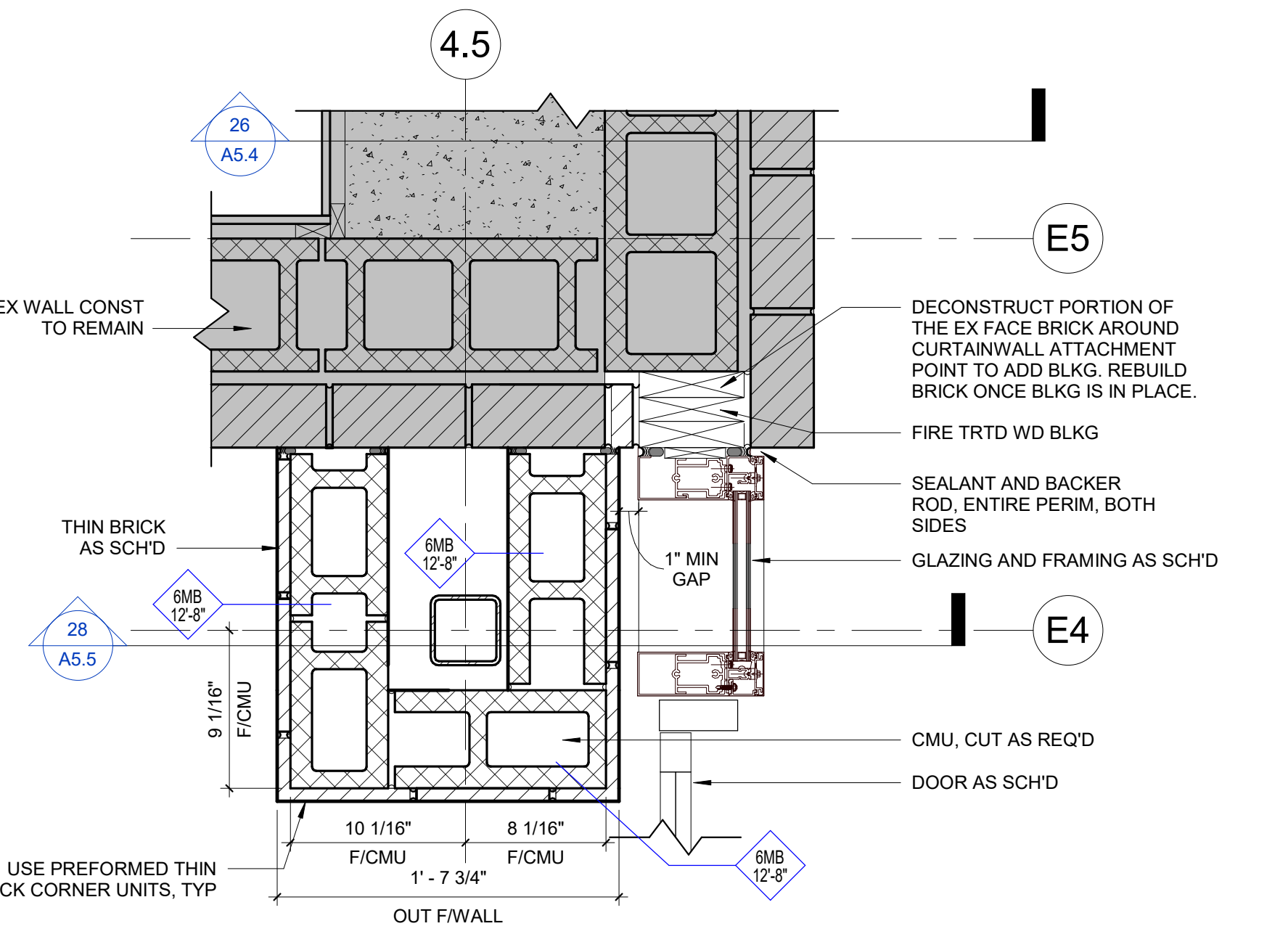
1 ENTRY VESTIBULE COLUMN COVER DETAIL 1
1 1/2" = 1'-0"



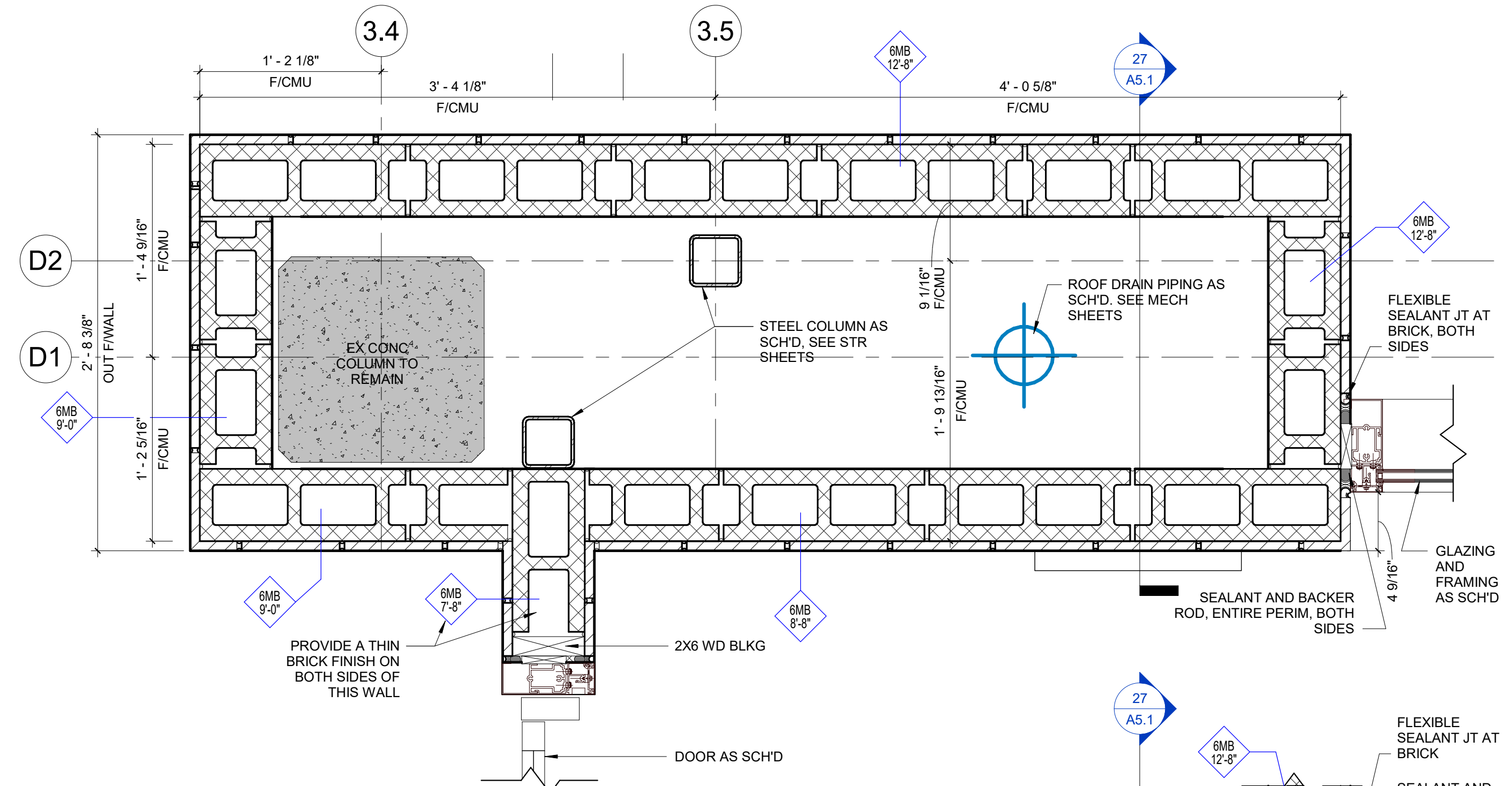
3 EXTERIOR COLUMN COVER DETAIL
1 1/2" = 1'-0"



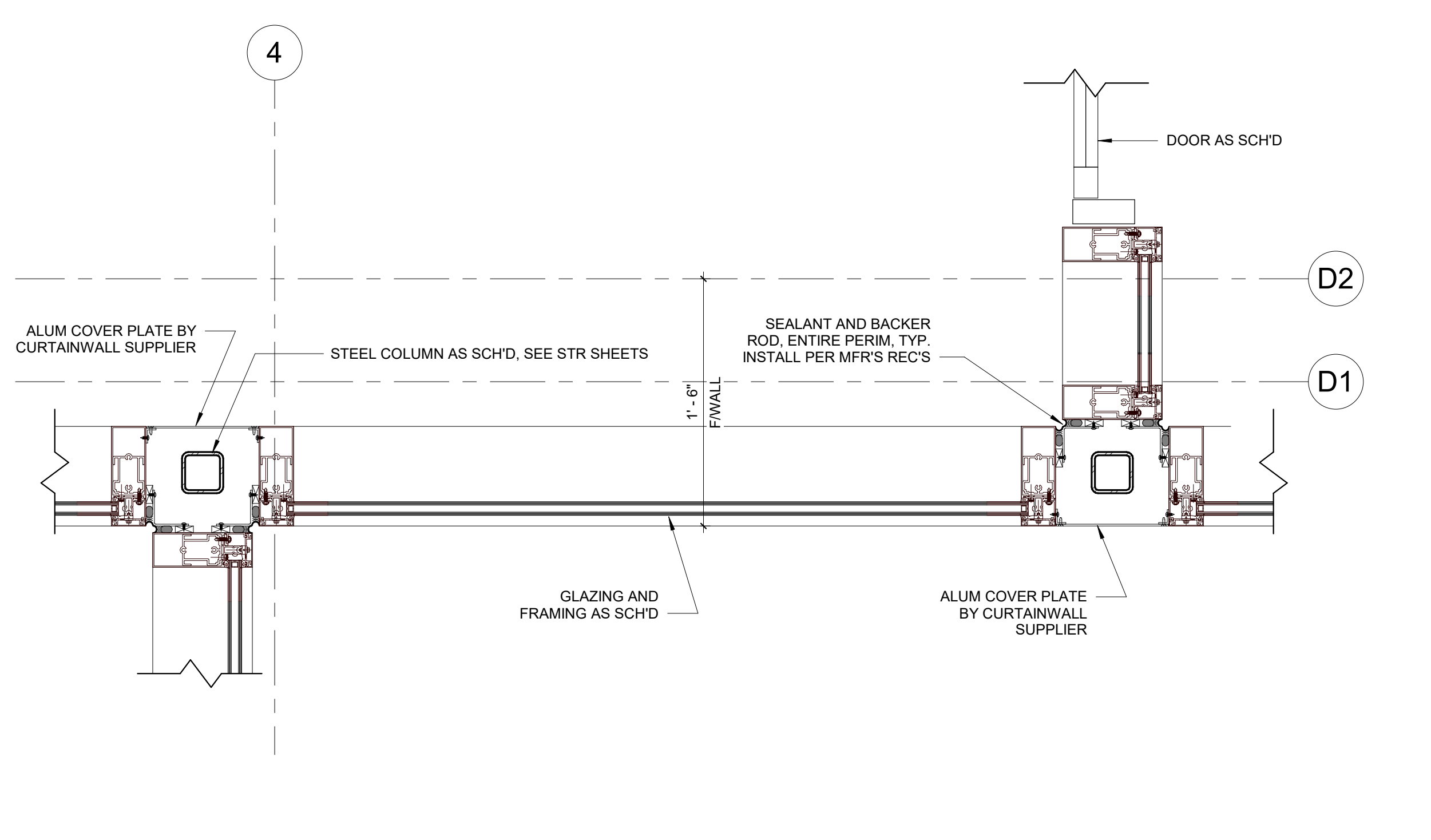
4 ENTRY VESTIBULE WALL AT EXISTING
1 1/2" = 1'-0"



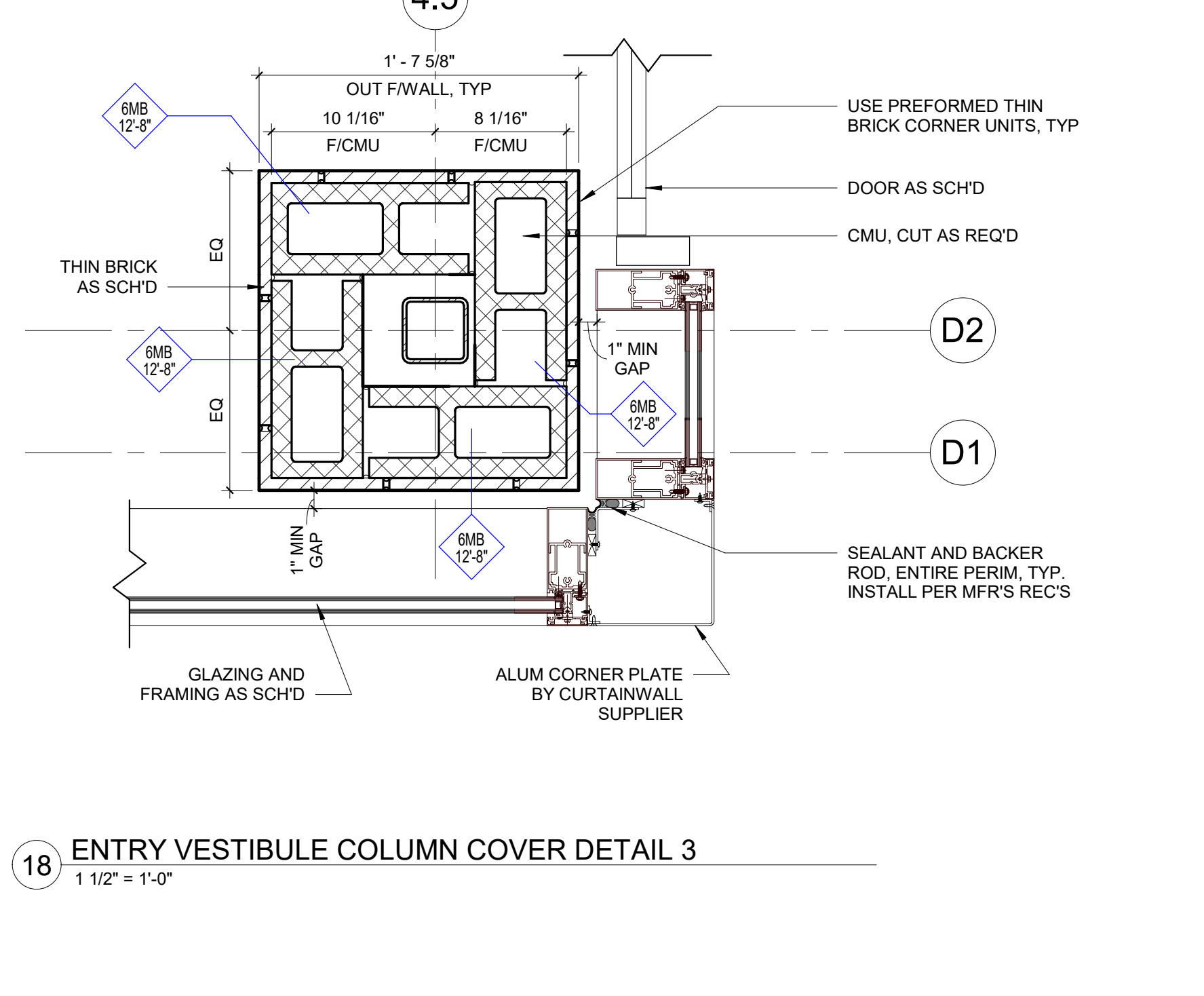
6 ENTRY VESTIBULE COLUMN COVER DETAIL 2
1 1/2" = 1'-0"



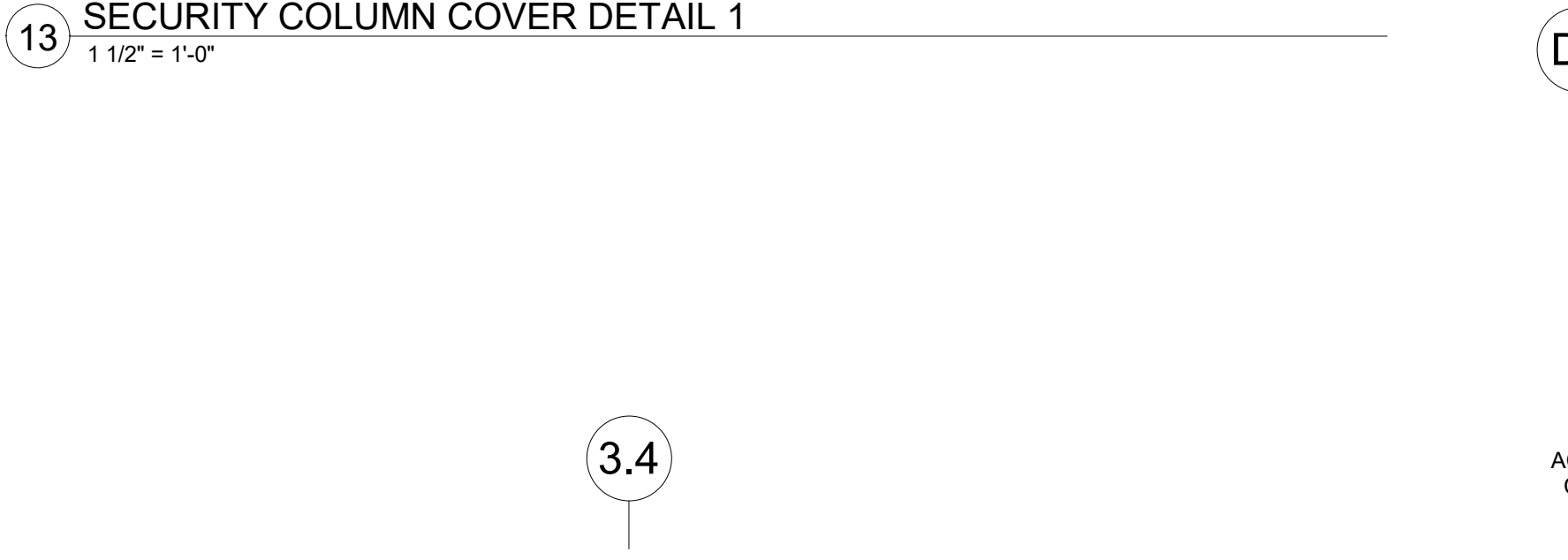
13 SECURITY COLUMN COVER DETAIL 1
1 1/2" = 1'-0"



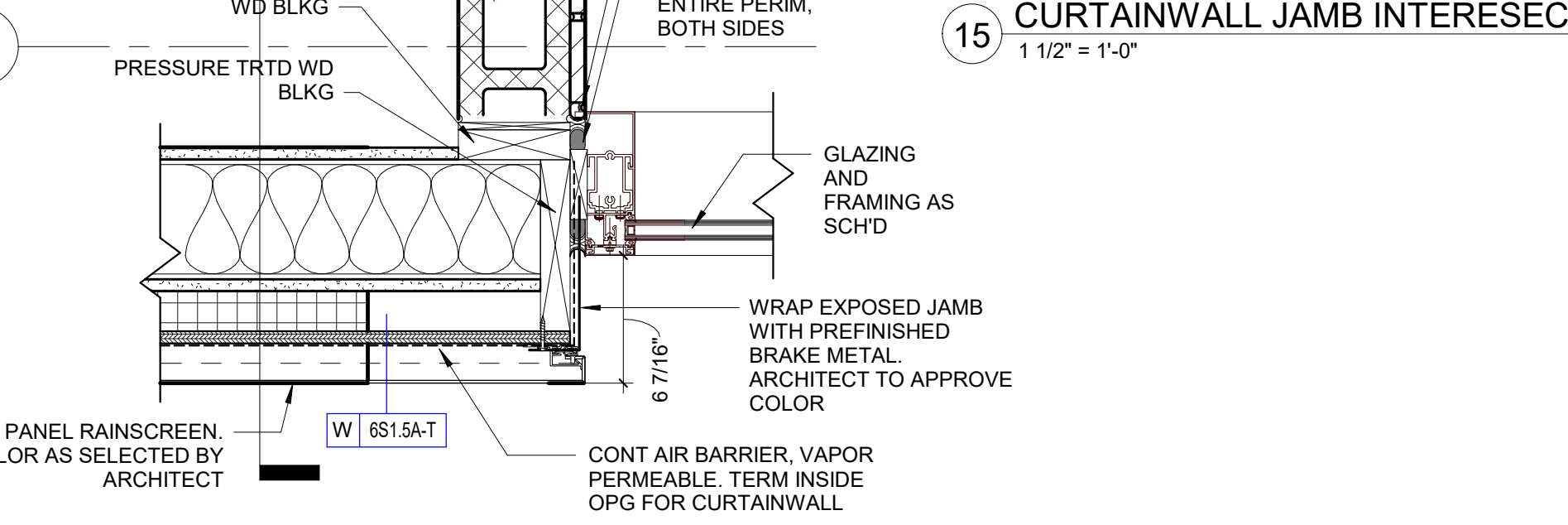
15 CURTAINWALL JAMB INTERSECTIONS DETAIL
1 1/2" = 1'-0"



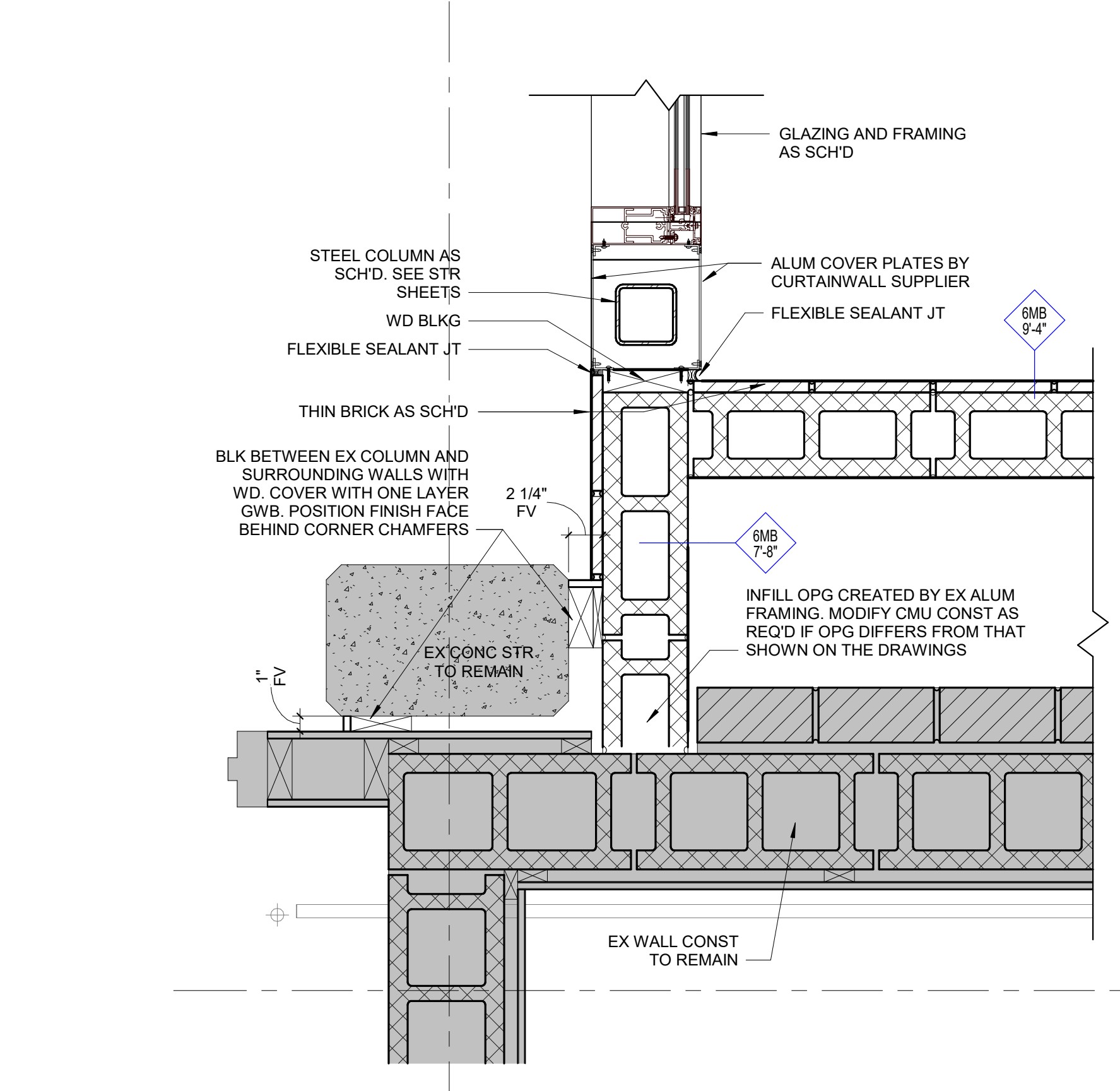
18 ENTRY VESTIBULE COLUMN COVER DETAIL 3
1 1/2" = 1'-0"



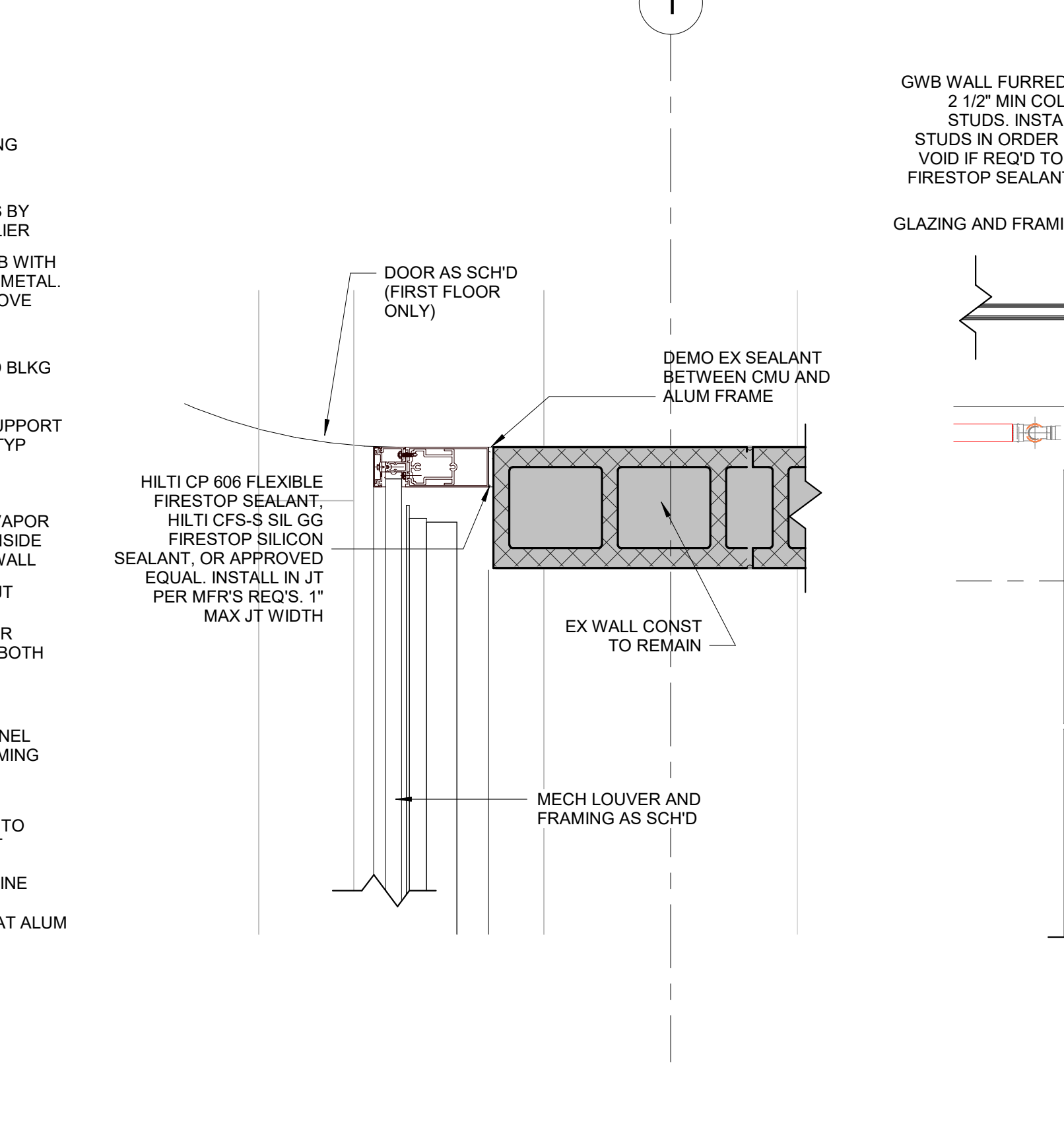
14 CURTAINWALL JAMB ABOVE LOWER ROOF DECK
1 1/2" = 1'-0"



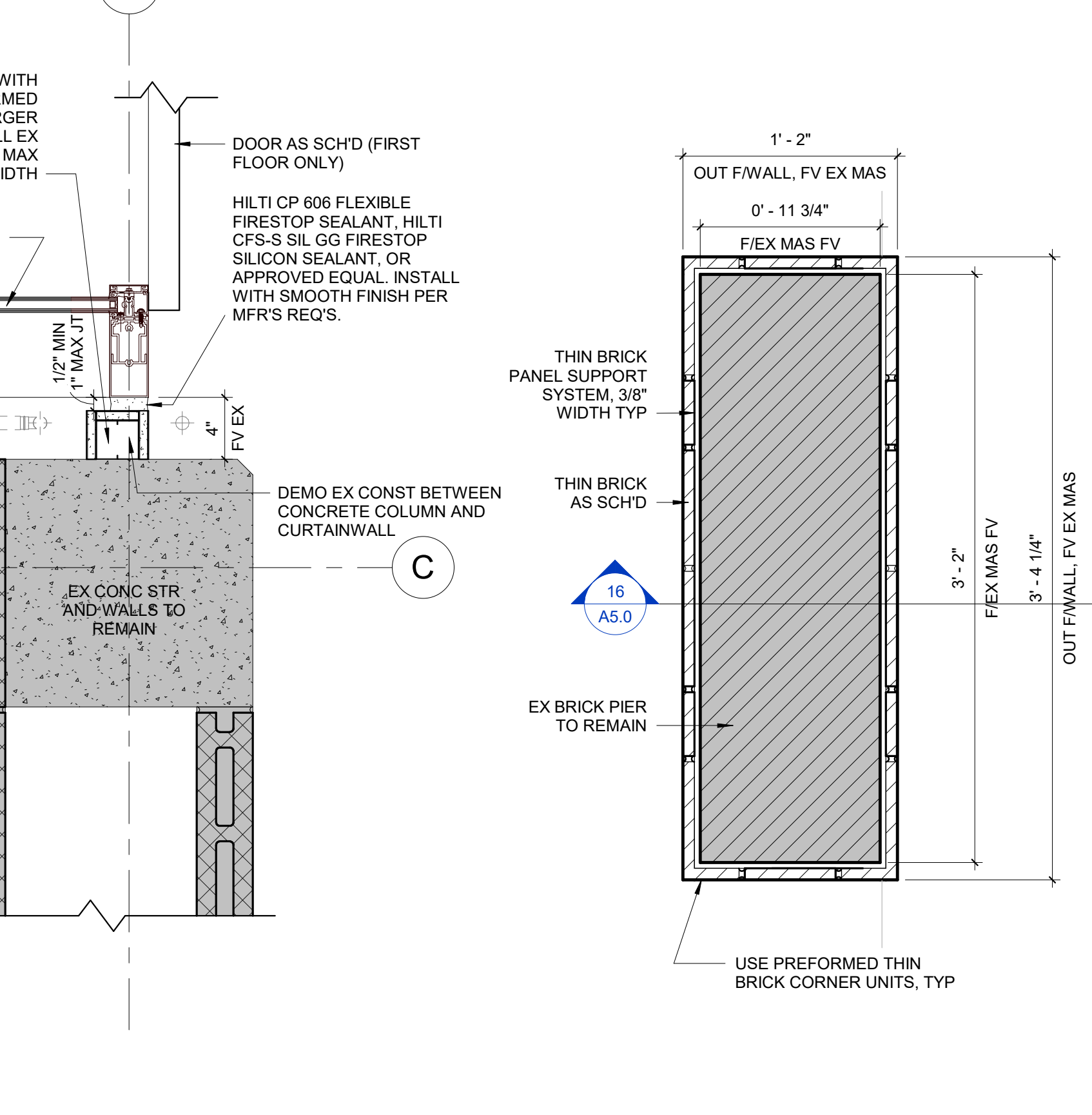
27 EXIT VESTIBULE PLAN DETAIL 2
1 1/2" = 1'-0"



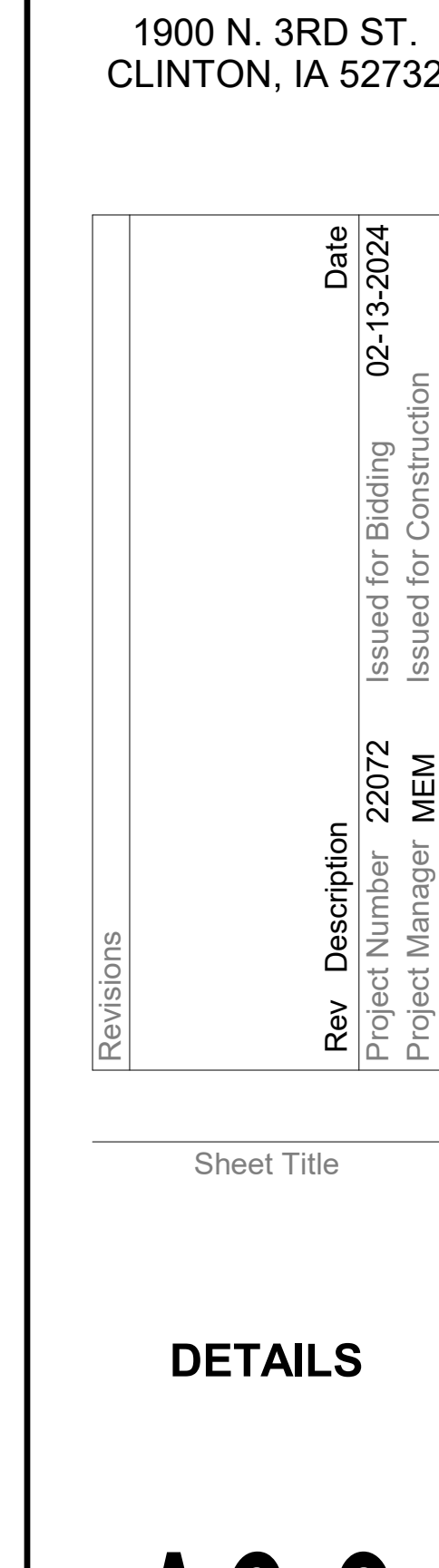
25 EXIT VESTIBULE PLAN DETAIL 1
1 1/2" = 1'-0"



28 VOID FIRESTOPPING AT STAIR C
1 1/2" = 1'-0"



29 VOID FIRESTOPPING AT STAIR A
1 1/2" = 1'-0"



30 EX BRICK PIER PLAN DETAIL
1 1/2" = 1'-0"

Client Name
CLINTON COUNTY

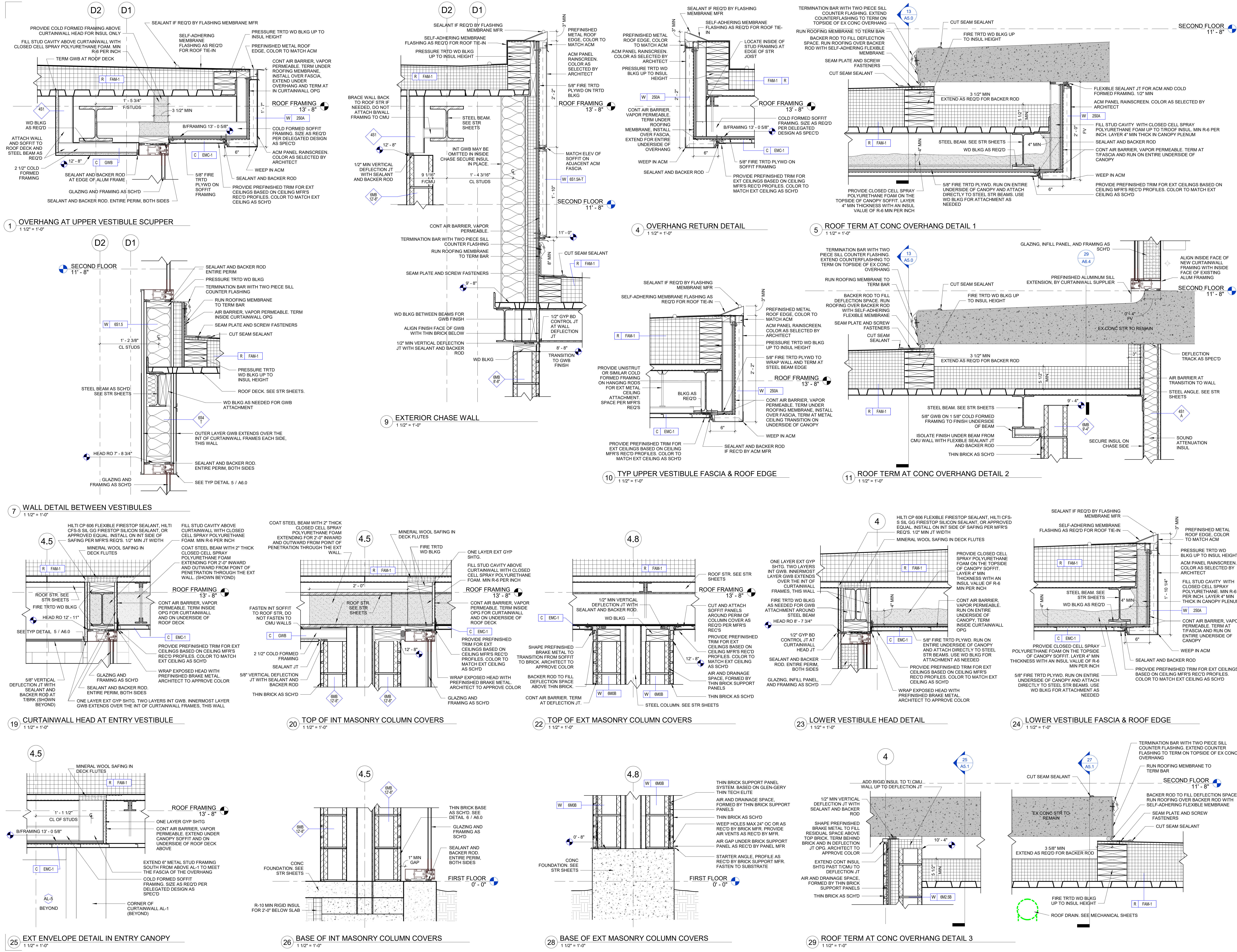
Project Name
ADMINISTRATION BUILDING - ADDITION & ALTERATIONS

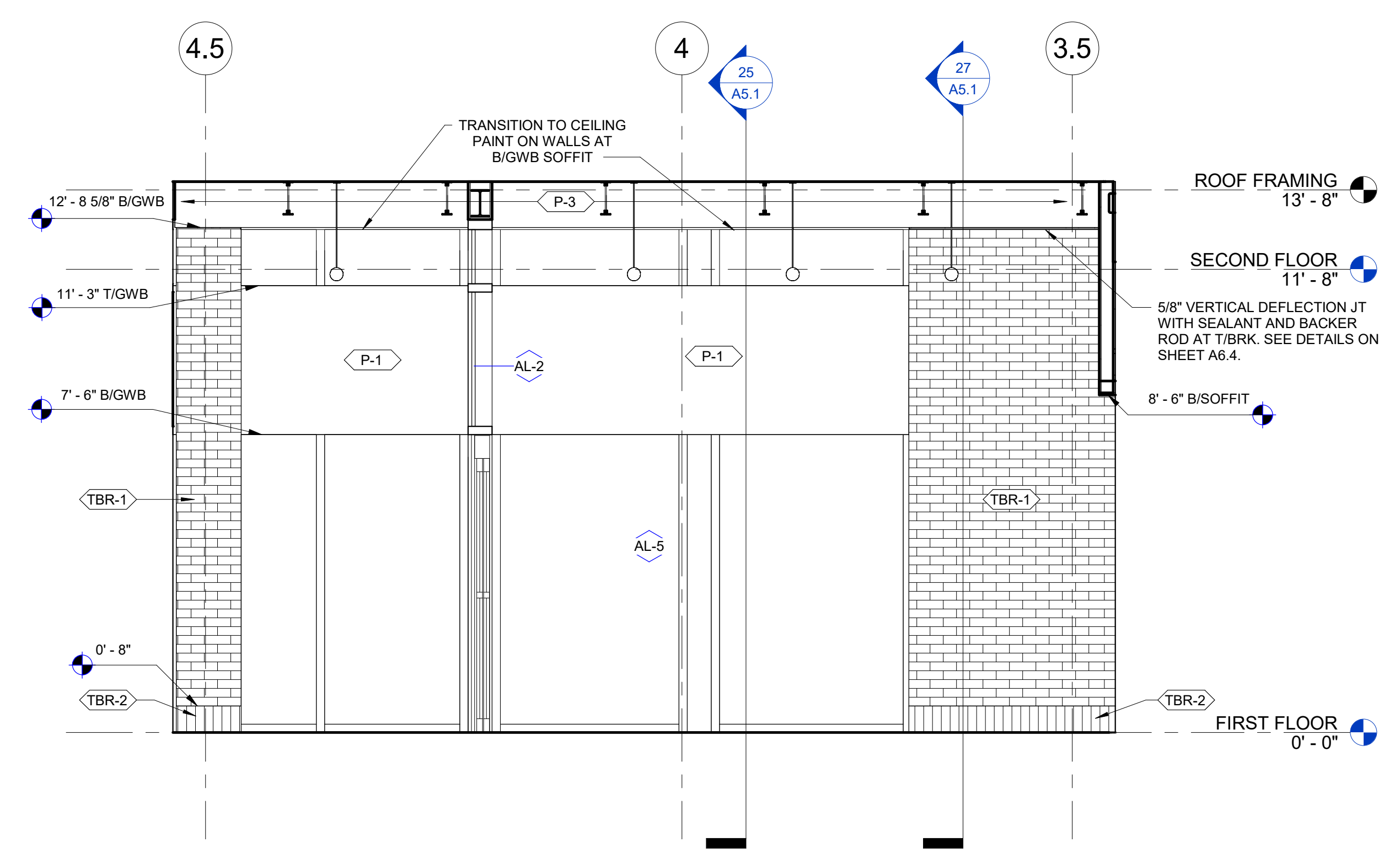
Location / Description
1900 N. 3RD ST. CLINTON, IA 52732

Rev	Description	Date
22072	Issued for Bidding	02-13-2024
MEM	Issued for Construction	

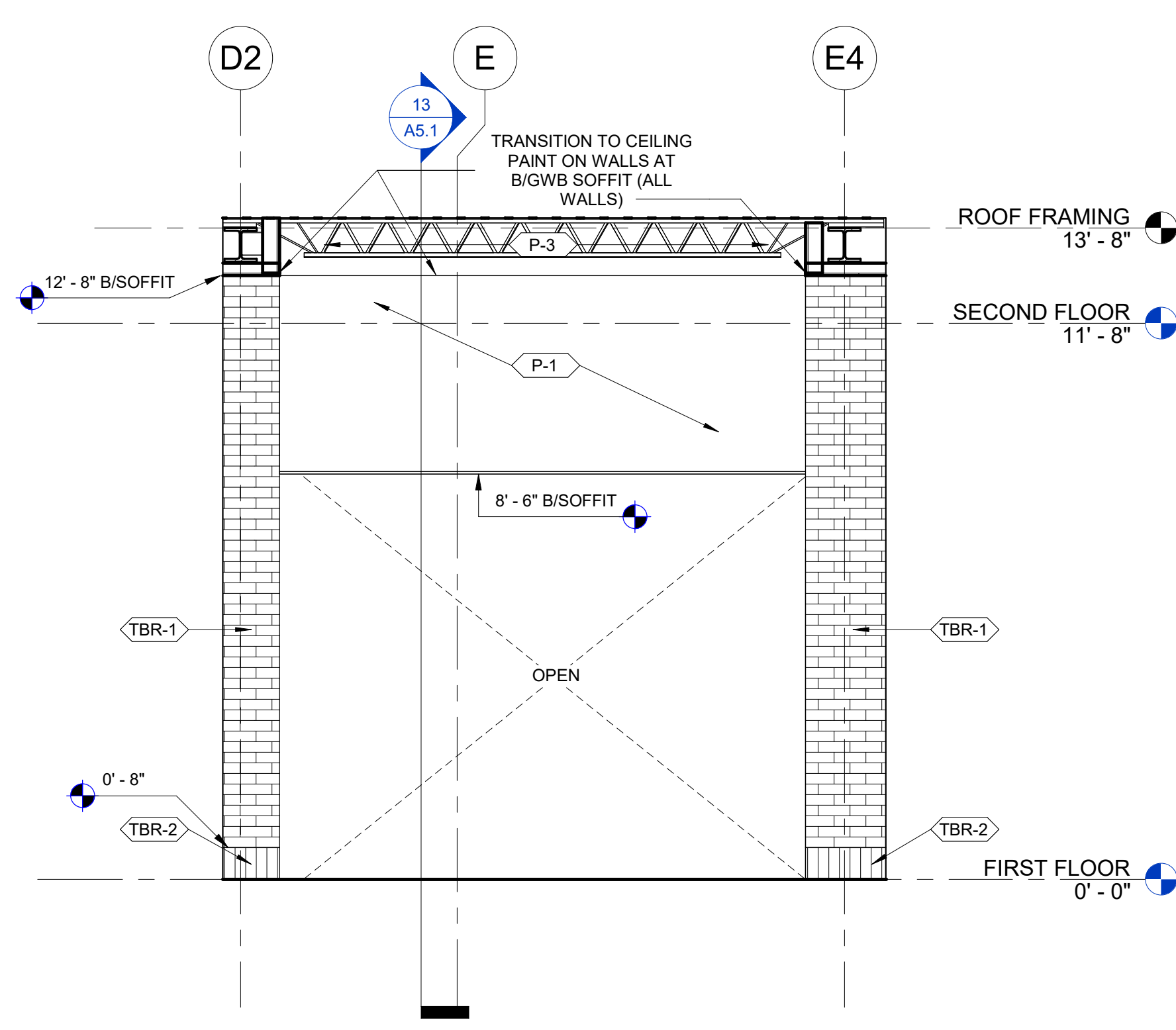
Project Manager: MEM
Approved by: [Signature]
All content based on: 20462.14 sheet.doc

Sheet Title
DETAILS

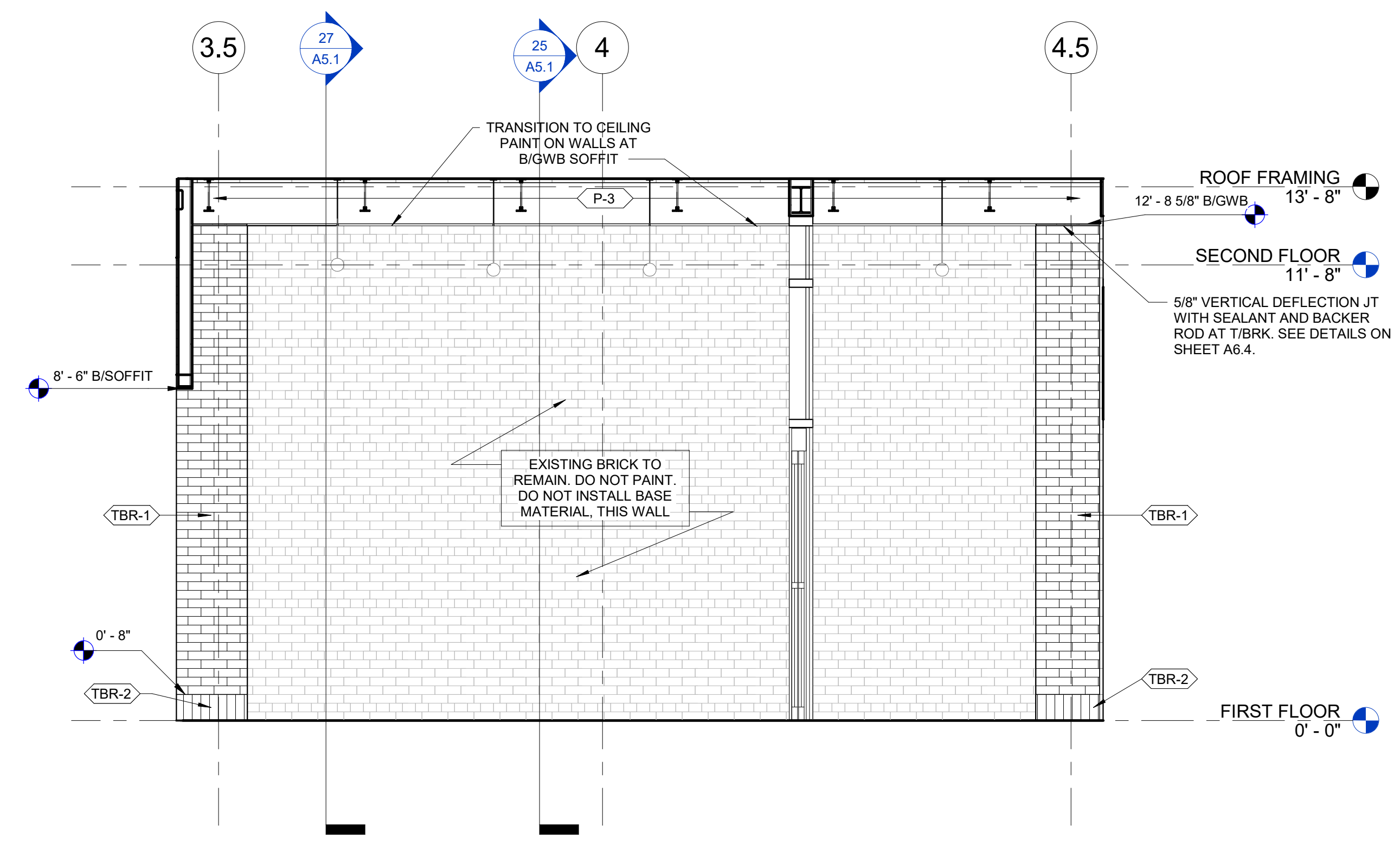




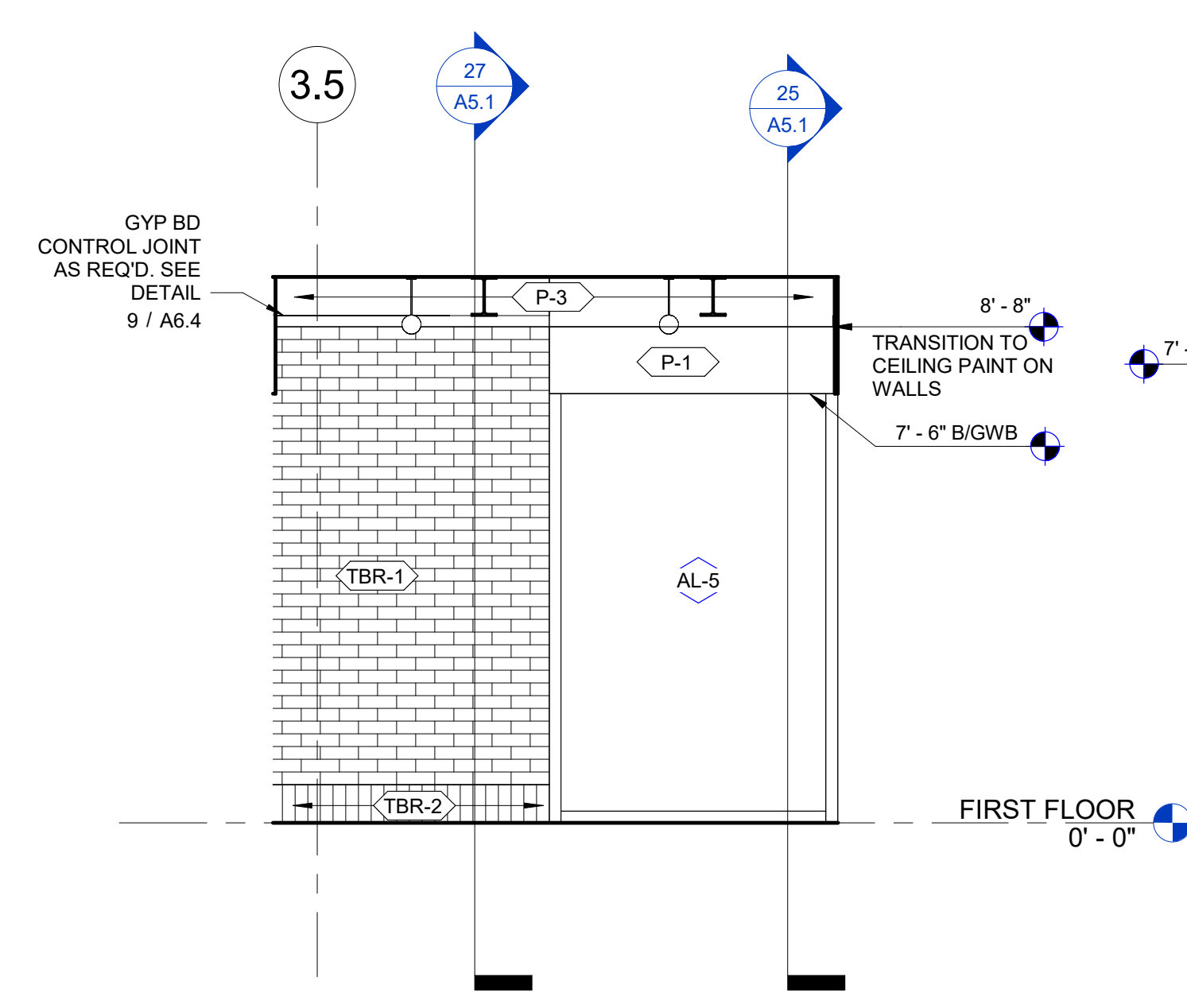
7 145 ENTRY- INTERIOR SOUTH
3/8" = 1'-0"



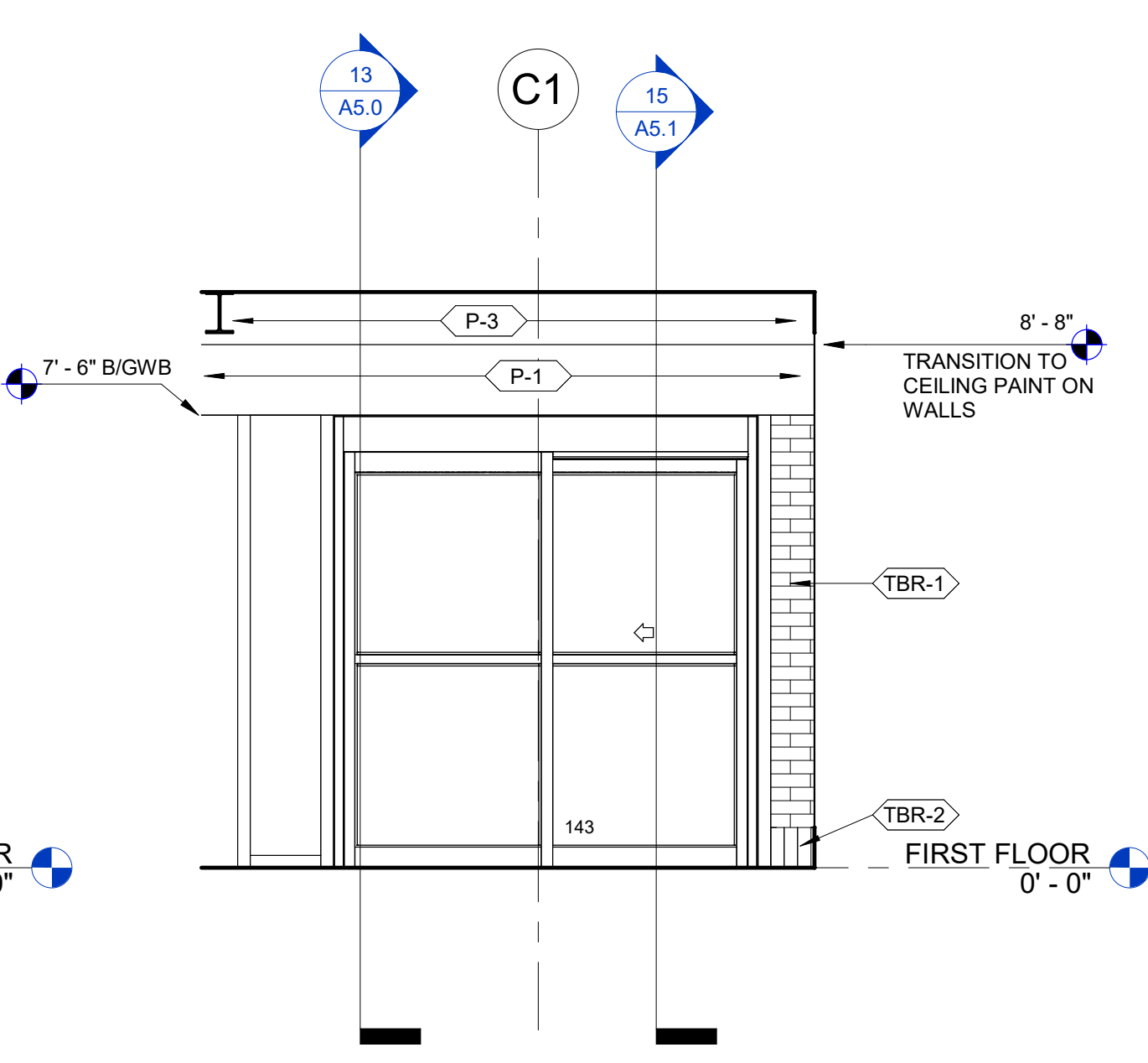
9 145 ENTRY- INTERIOR WEST
3/8" = 1'-0"



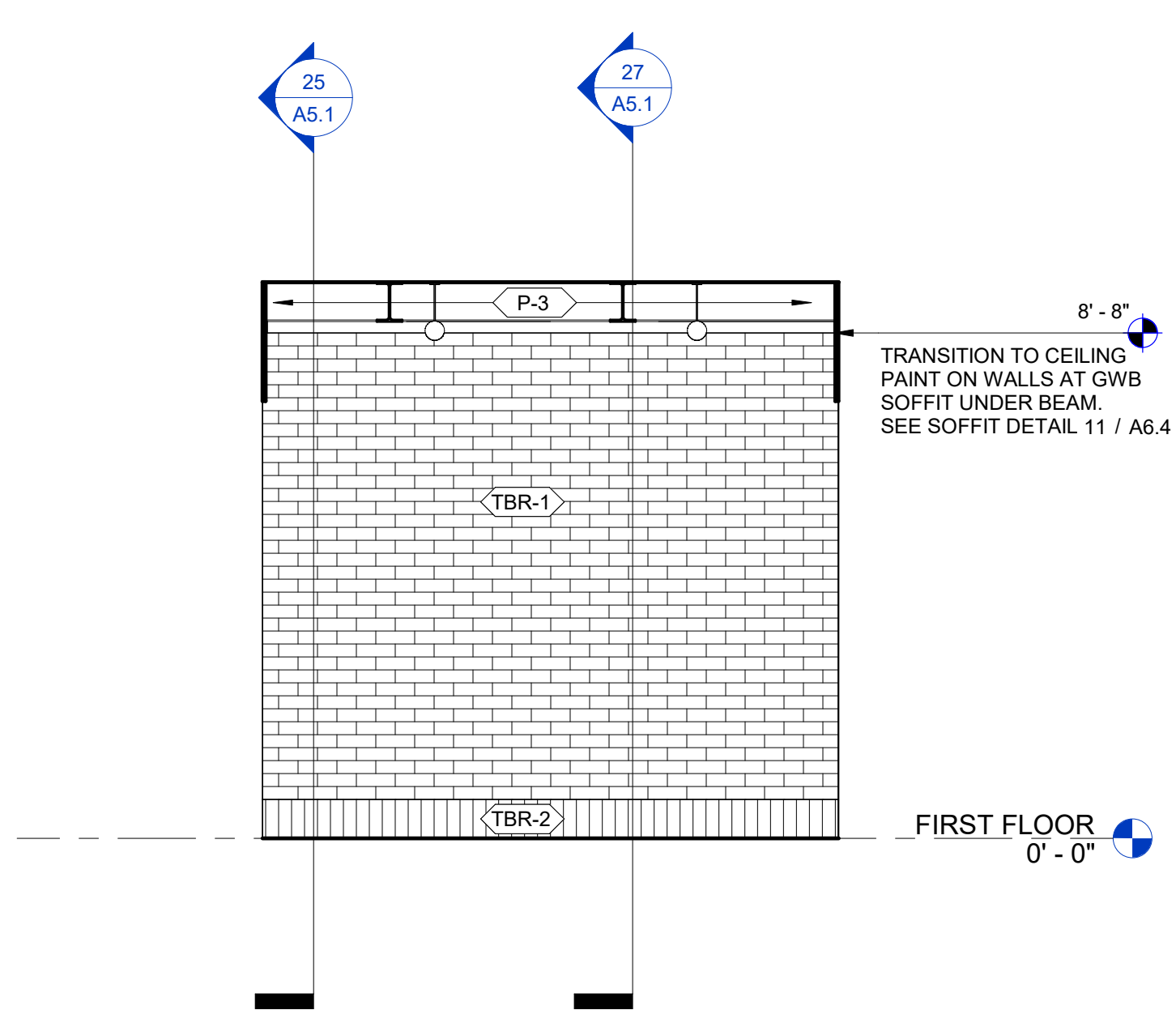
11 145 ENTRY- INTERIOR NORTH
3/8" = 1'-0"



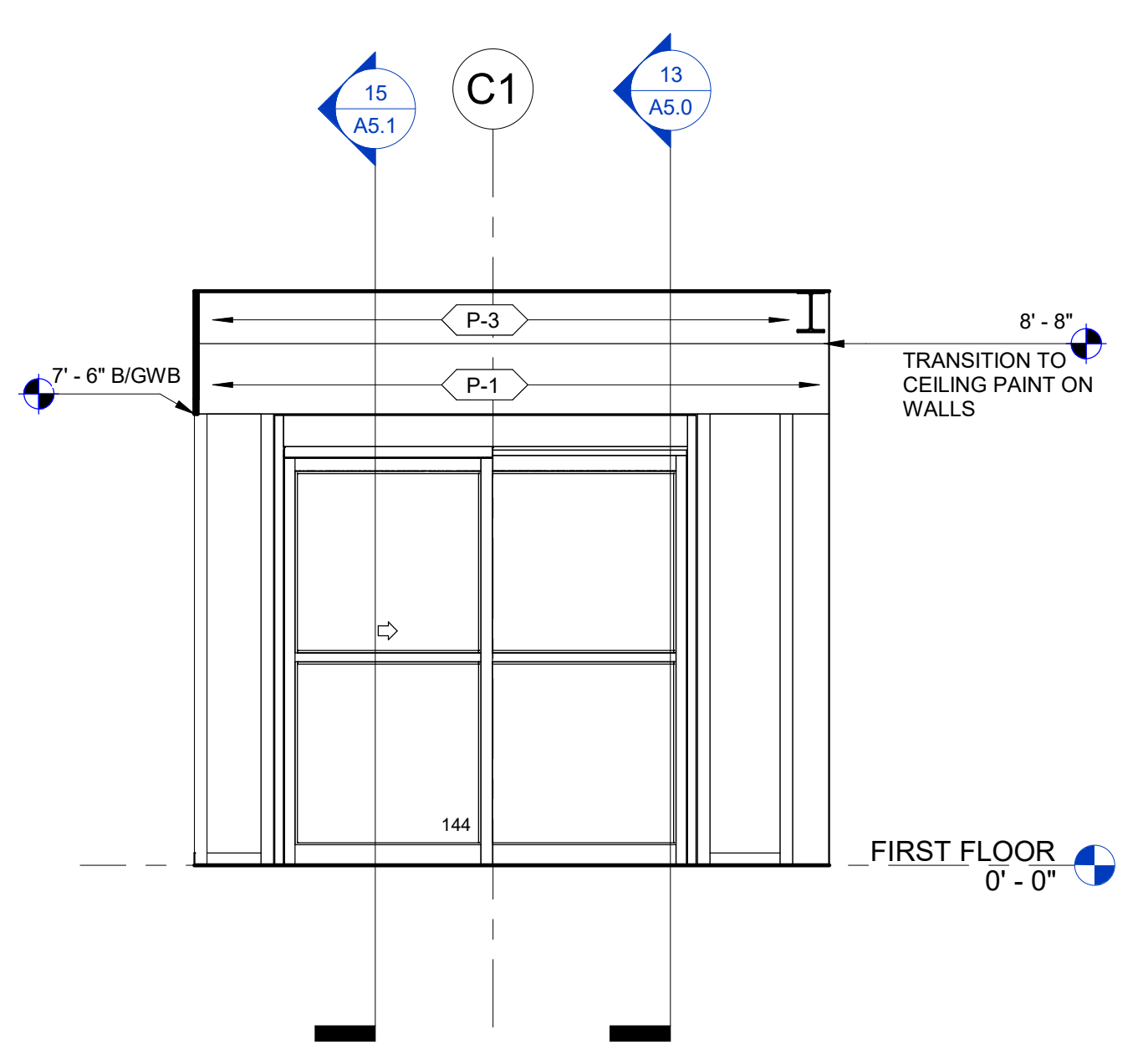
13 144 EXIT VESTIBULE- INTERIOR NORTH
3/8" = 1'-0"



14 144 EXIT VESTIBULE- INTERIOR WEST
3/8" = 1'-0"



15 144 EXIT VESTIBULE- INTERIOR SOUTH
3/8" = 1'-0"



16 144 EXIT VESTIBULE- INTERIOR EAST
3/8" = 1'-0"

INTERIOR MATERIAL KEY NOTES

TBR-1	RUNNING BOND THIN BRICK VENEER AS SCHD
TBR-2	SOILDIER COURSE THIN BRICK VENEER AS SCHD
P-1	GENERAL PAINT COLOR AS SCHD
P-3	CEILING PAINT AS SCHD

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

Revisions

Rev	Description	Date
22072	Issued for Bidding	02-13-2024
MEM	Issued for Construction	

Approved By: [Signature] Date: [Date]
Checked By: [Signature] Date: [Date]
All content based on: 20422 14 sheet 104

Sheet Title

**INTERIOR
ELEVATIONS**

A7.0

DOOR SCHEDULE													
TAG	DOOR				FRAME				HARDWARE GROUP	COMMENTS	TAG		
	WIDTH	HEIGHT	TYPE	MATERIAL	FINISH	GLAZING	FIRE RATING	TYPE				MATERIAL	FINISH
100A	3'-0"	7'-0"	FG	ALUM	ANODIZED	GL1	--	AL-9	ALUM	ANODIZED	(none)	(none)	100A
100B	3'-0"	7'-0"	FG	ALUM	ANODIZED	GL1	--	AL-9	ALUM	ANODIZED	(none)	(none)	100B
113	3'-9 1/2"	8'-4 3/4"	FG	ALUM	ANODIZED	GL1	--	AL-7	ALUM	ANODIZED	(none)	(none)	113
142	3'-0"	7'-0"	FG	ALUM	ANODIZED	GL1	--	AL-17	ALUM	ANODIZED	(none)	(none)	142
143	7'-0"	7'-5 3/4"	FG	ALUM	ANODIZED	GL1	--	AL-4	ALUM	ANODIZED	(none)	(none)	143
144	7'-0"	7'-5 3/4"	FG	ALUM	ANODIZED	GL1	--	AL-3	ALUM	ANODIZED	(none)	(none)	144
145	12'-0"	7'-5 3/4"	FG	ALUM	ANODIZED	GL1	--	AL-2	ALUM	ANODIZED	(none)	(none)	145
146	12'-0"	7'-5 3/4"	FG	ALUM	ANODIZED	GL1	--	AL-1	ALUM	ANODIZED	(none)	(none)	146
155	2'-11"	7'-0"	FG	ALUM	ANODIZED	GL1	--	AL-19	ALUM	ANODIZED	(none)	(none)	155

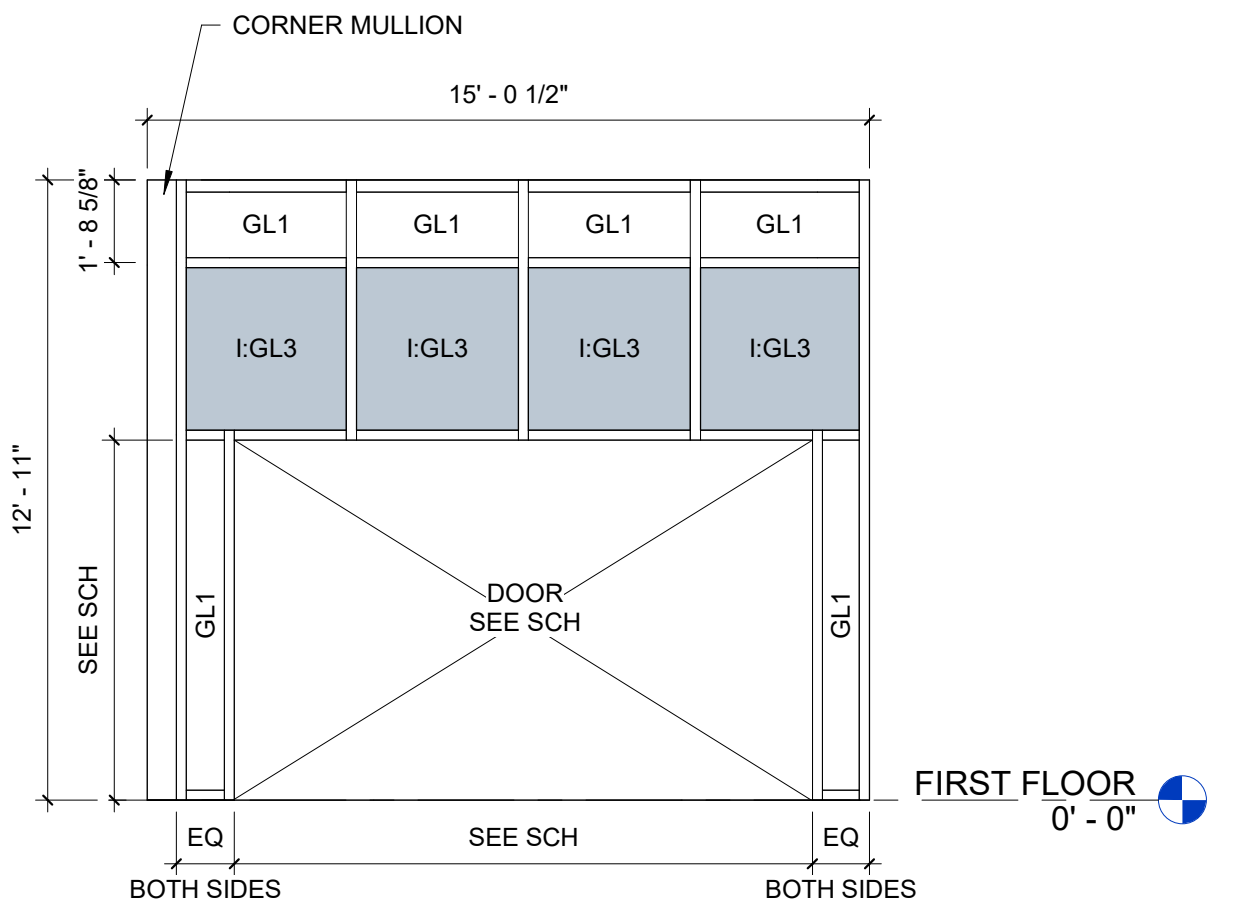
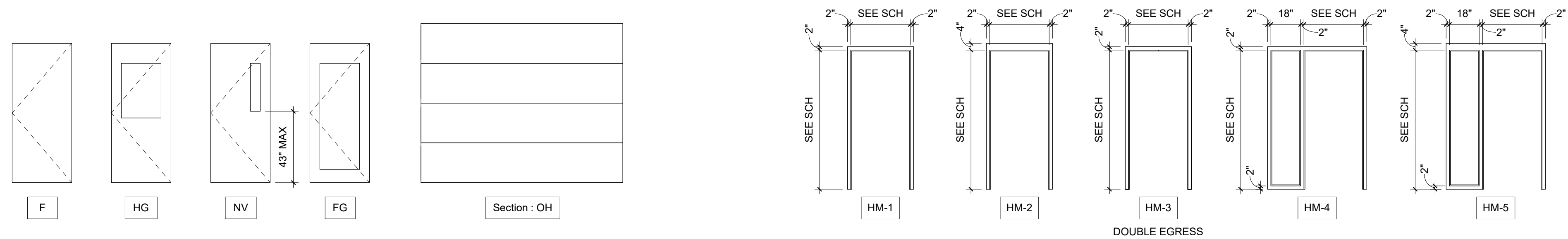
DOOR SCHEDULE COMMENTS

- FIELD VERIFY THE EXISTING DOOR OPENING IN THIS LOCATION BEFORE FABRICATING. ADJUST DOOR WIDTH AS REQUIRED TO MATCH THE EXISTING DOOR.
- FIELD VERIFY THE EXISTING DOOR OPENING IN THIS LOCATION BEFORE FABRICATING. ONE DOOR JAMB WILL BE MOVING TO ALIGN WITH AN EXISTING WALL. ENLARGE DOOR BY THE AMOUNT REQD TO ALIGN THAT MULLION. SEE DETAIL: 25 / A6.3
- BI-PART POWER OPERATED DOOR. 6' WIDE DOOR OPG. BOTH ACTIVE DOOR LEAVES BREAKOUT FOR MANUAL EGRESS.
- SINGLE LEAF POWER OPERATED DOOR. 3' WIDE DOOR OPG. BOTH ACTIVE AND INACTIVE LEAVES BREAKOUT FOR MANUAL EGRESS.

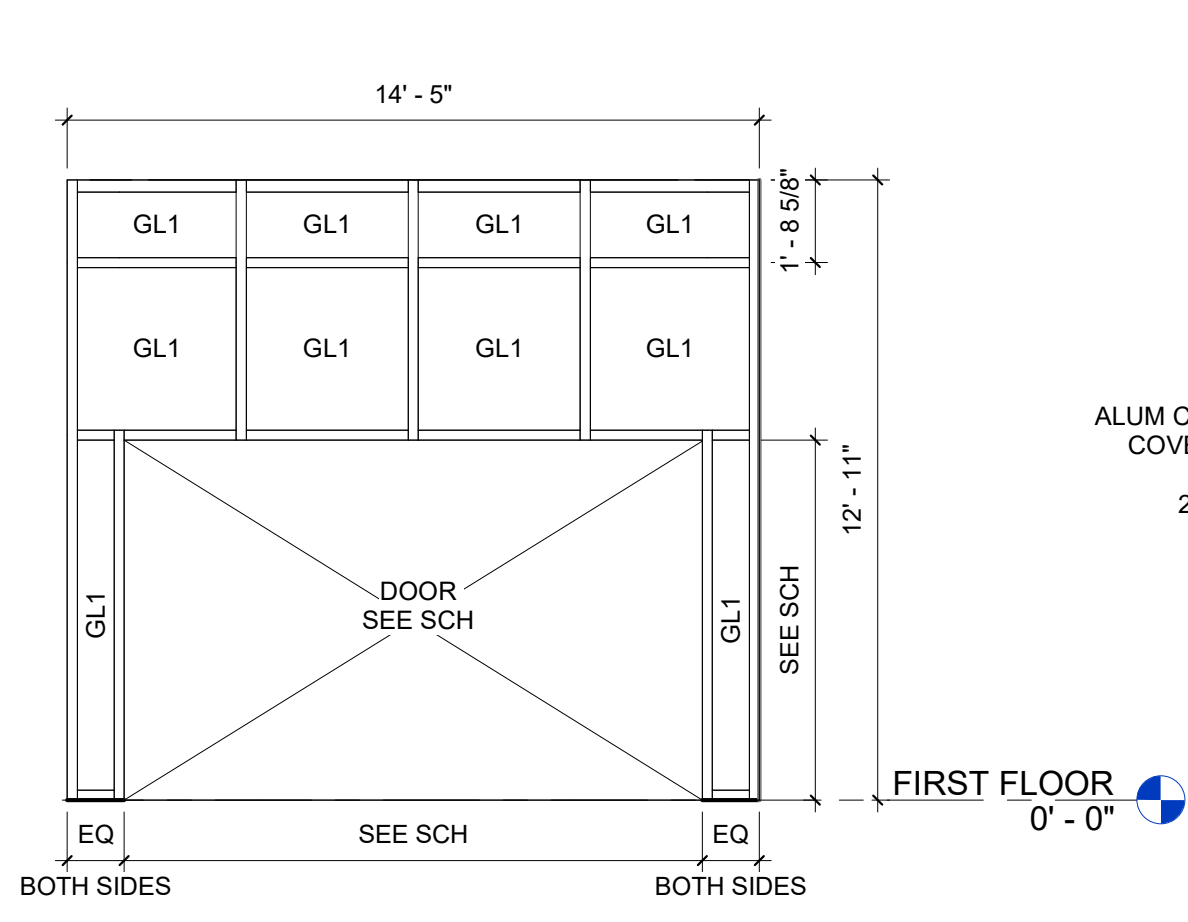
CURTAIN WALL PANEL TYPES

ACM GLAZE-IN ACM INSTALLED PER MFR'S RECOMMENDATIONS. COLOR SELECTED BY ARCHITECT. BACKUP: MIN R-16 MINERAL WOOL BOARD INSULATION AND PREFINISHED BACKPAN

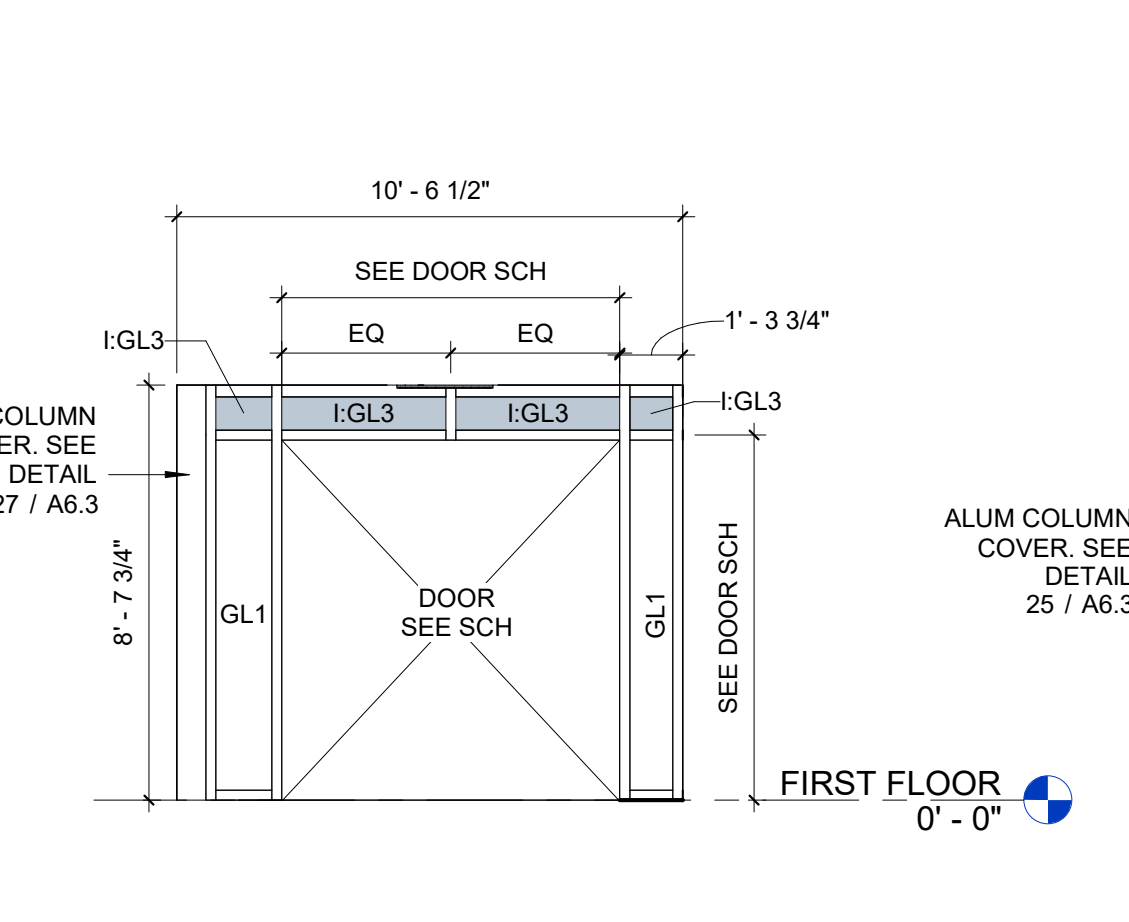
GL1: 1" INSULATED TEMPERED GLAZING- TINT TO BE SELECTED BY ARCHITECT.
 GL2: 1/4" TEMPERED GLAZING- CLEAR
 GL3: 1" INSULATED ANNEALED GLAZING- TINT TO BE SELECTED BY ARCHITECT
 I:GL1 GL1 GLAZING WITH AN INSULATED BACKPAN SYSTEM. SEE INFILL CONSTRUCTION ON SHEET A0.1
 I:GL3 GL3 GLAZING WITH AN INSULATED BACKPAN SYSTEM. SEE INFILL CONSTRUCTION ON SHEET A0.1



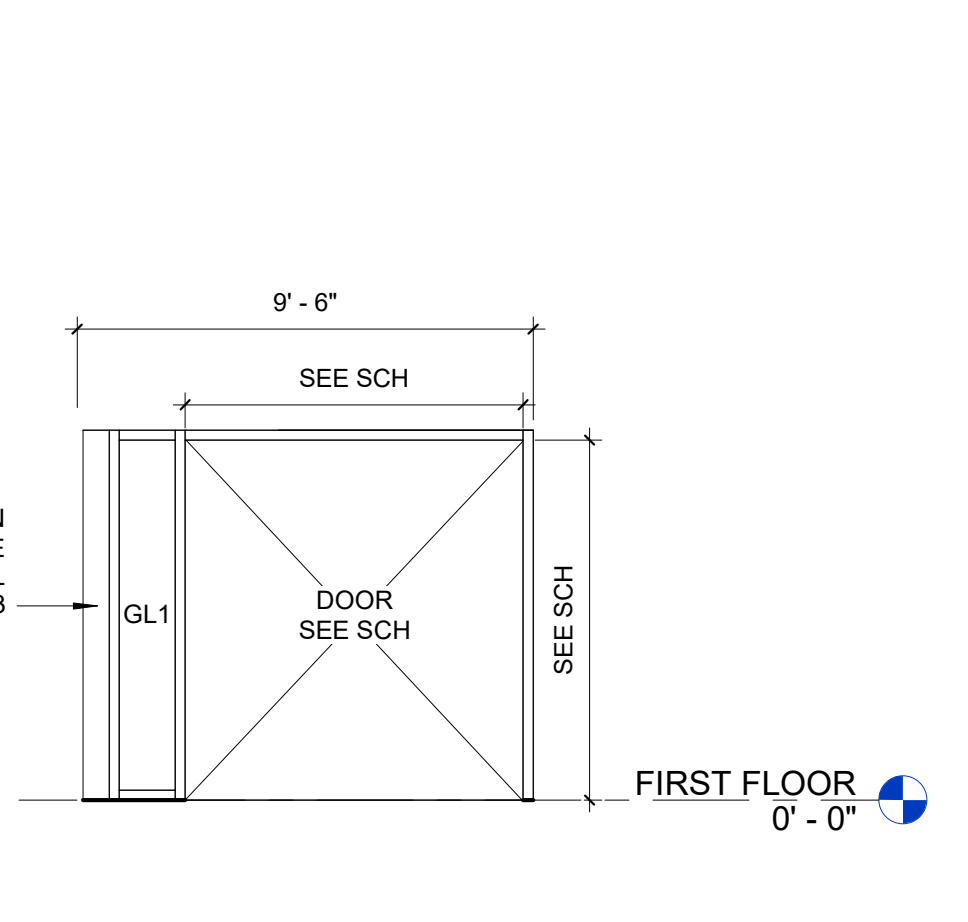
13 ALUMINUM FRAME TYPE AL-1
1/4" = 1'-0"



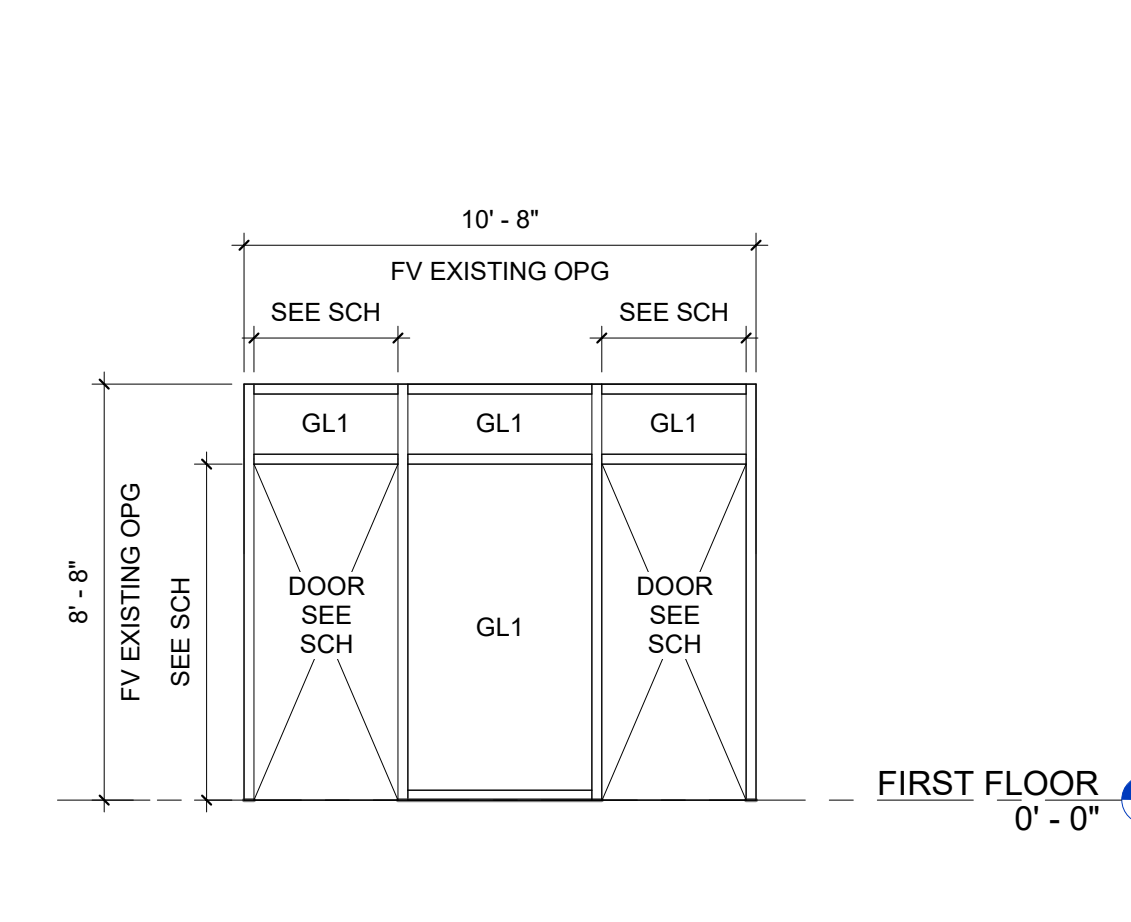
14 ALUMINUM FRAME TYPE AL-2
1/4" = 1'-0"



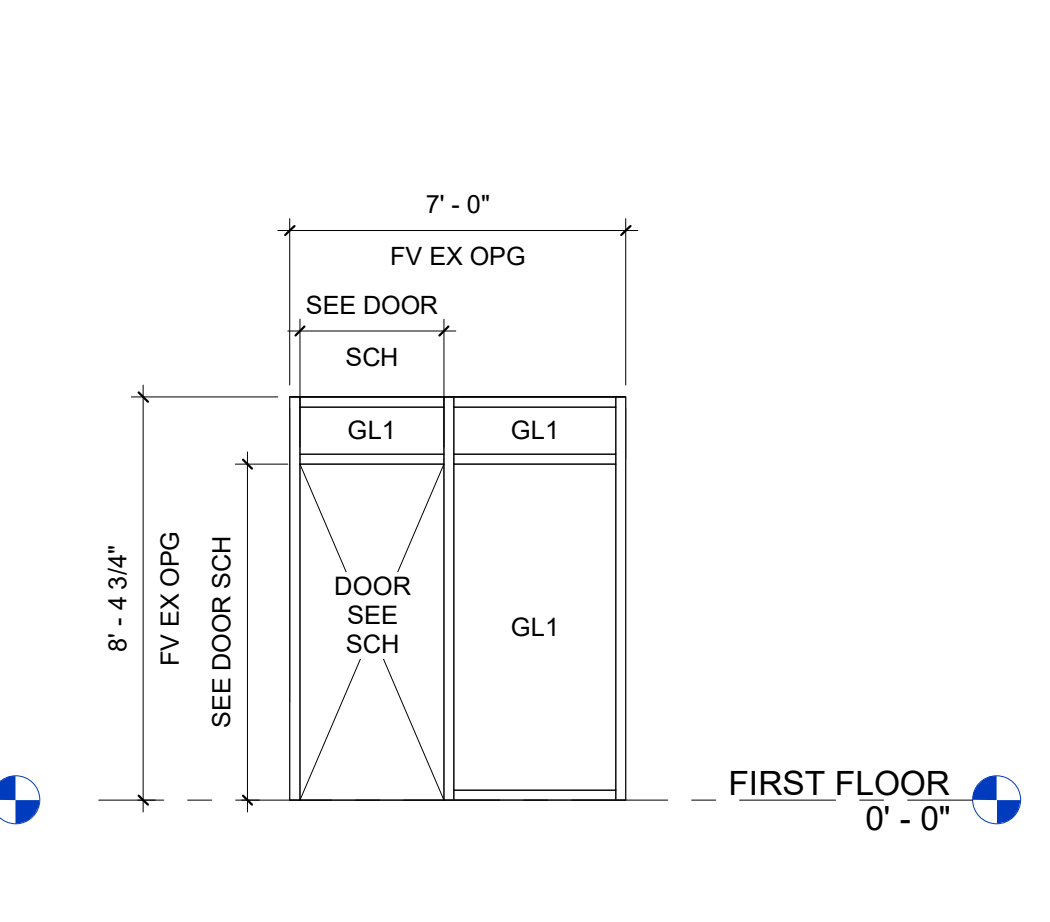
15 ALUMINUM FRAME TYPE AL-3
1/4" = 1'-0"



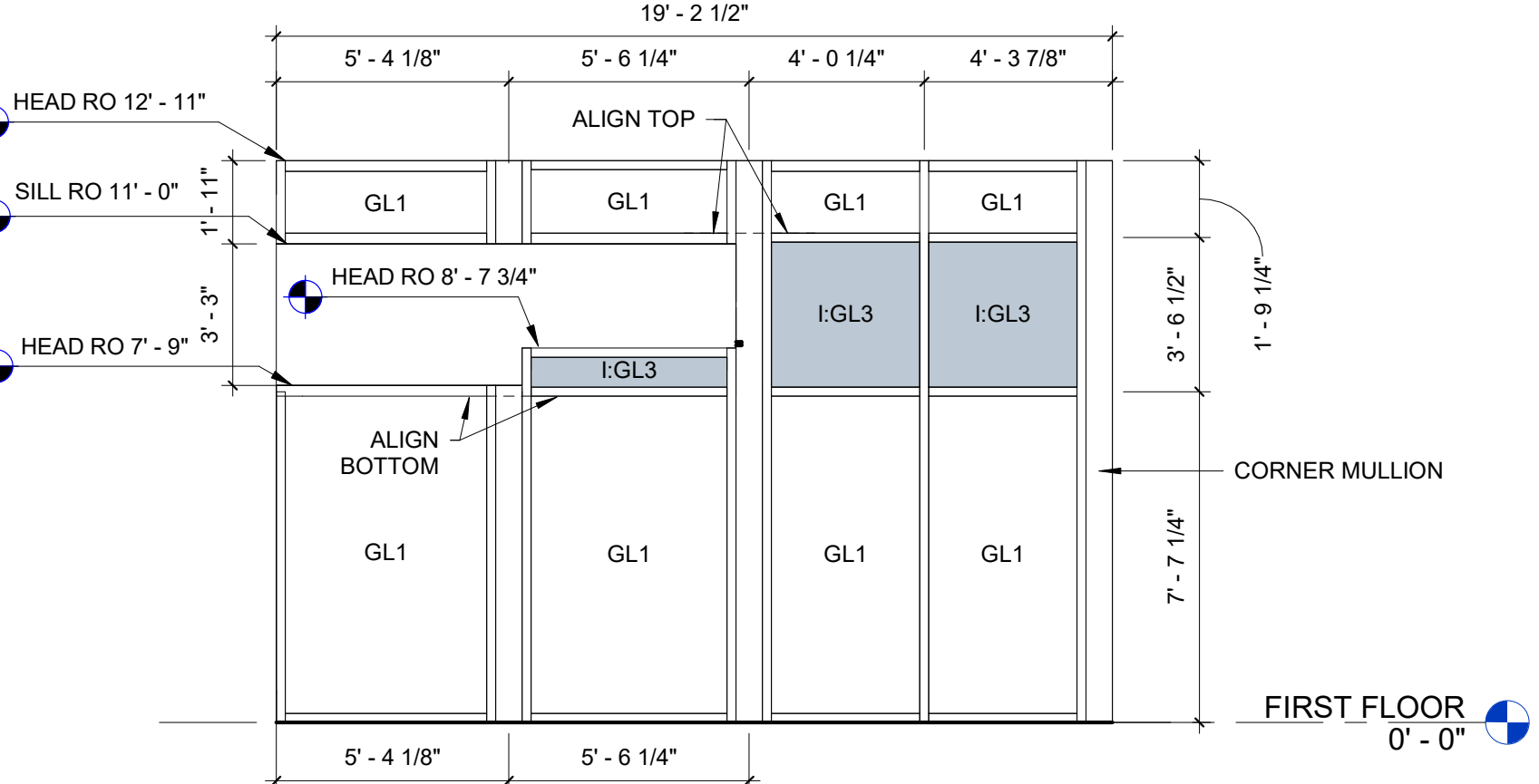
16 ALUMINUM FRAME TYPE AL-4
1/4" = 1'-0"



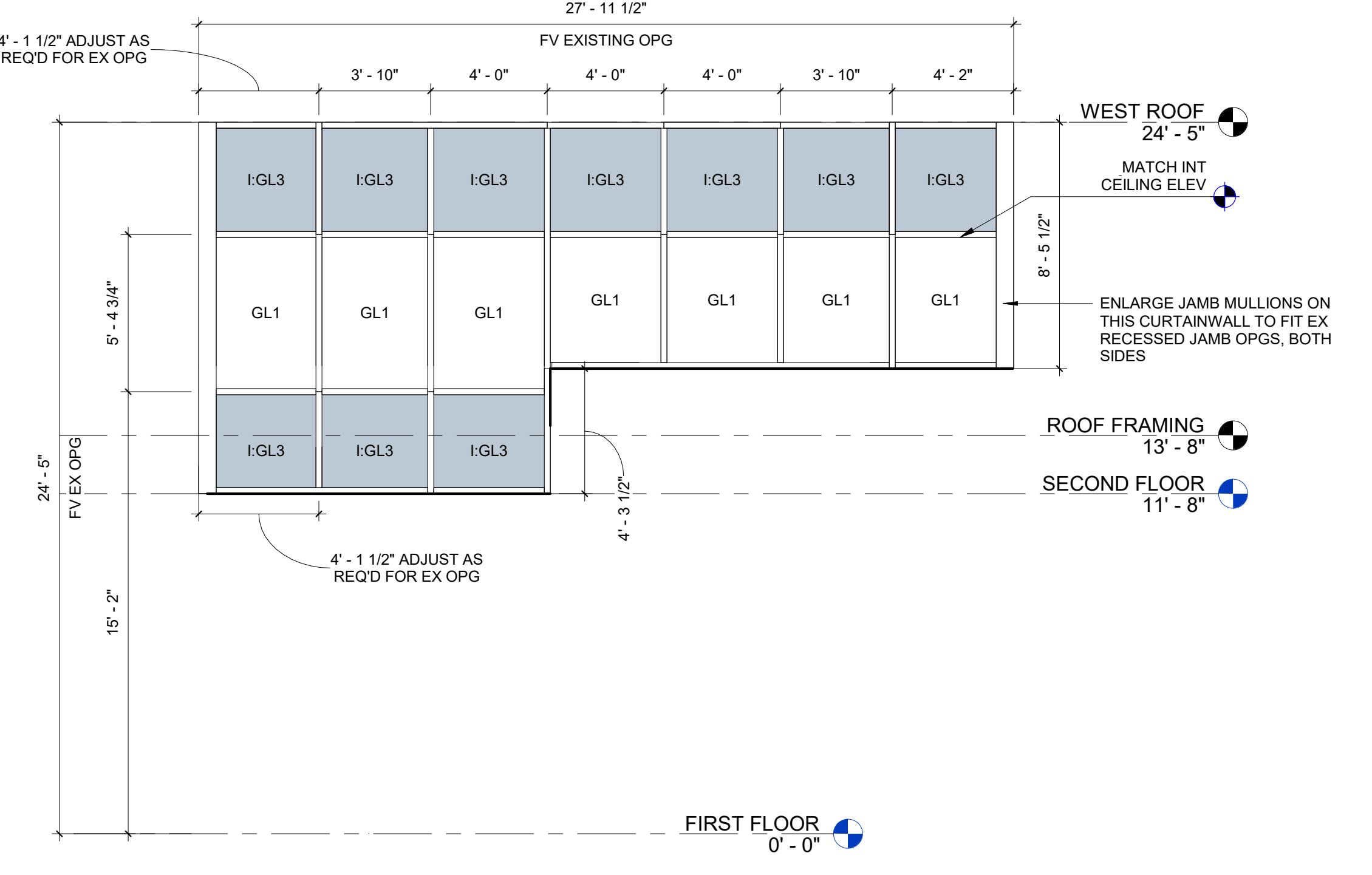
17 ALUMINUM FRAME TYPE AL-9
1/4" = 1'-0"



18 ALUMINUM FRAME TYPE AL-17
1/4" = 1'-0"



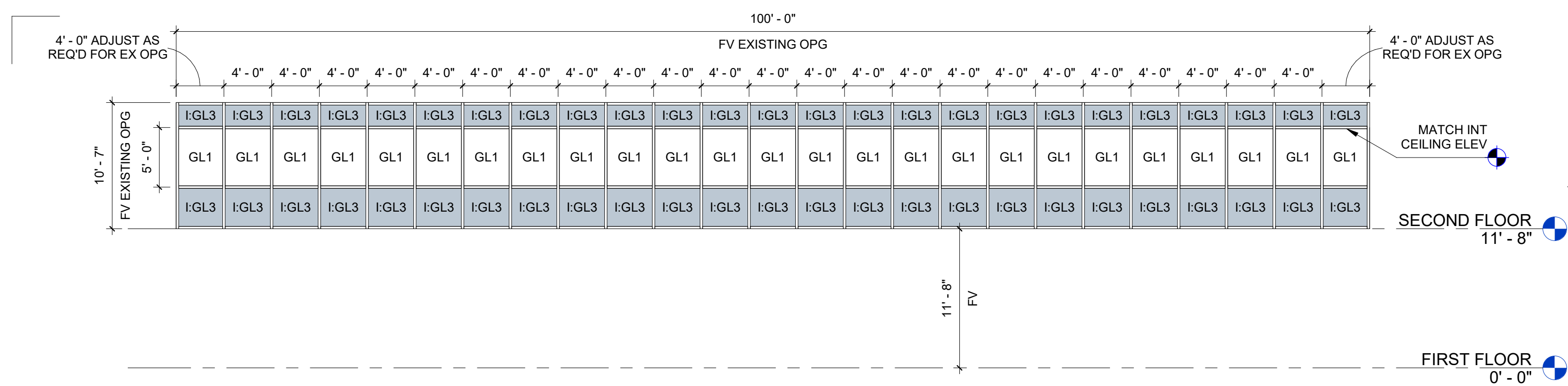
25 ALUMINUM FRAME TYPE AL-5
1/4" = 1'-0"



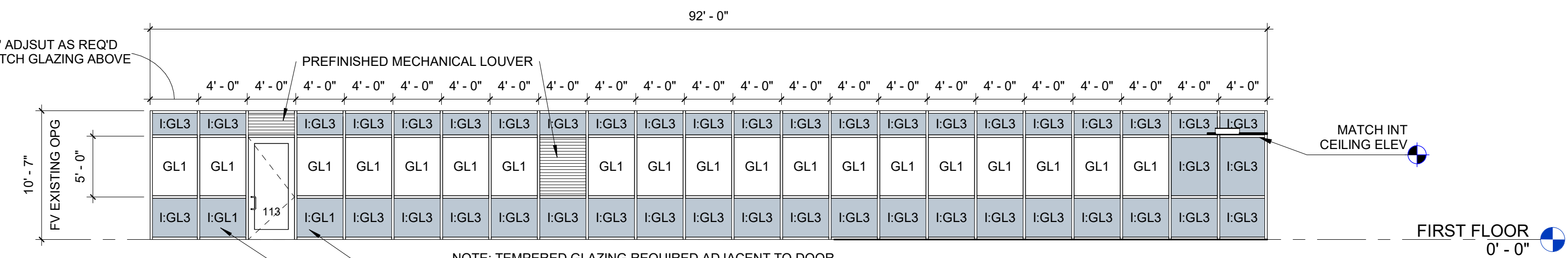
28 ALUMINUM FRAME TYPE AL-6
1/4" = 1'-0"

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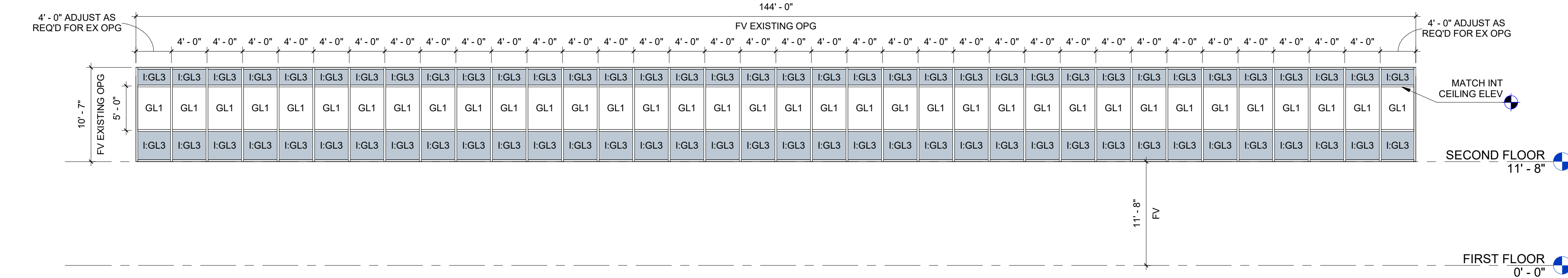
Approved By: [Signature] Date: [Date]
 Project Manager: [Name]
 All content based on: 20462 - 14 sheet size.



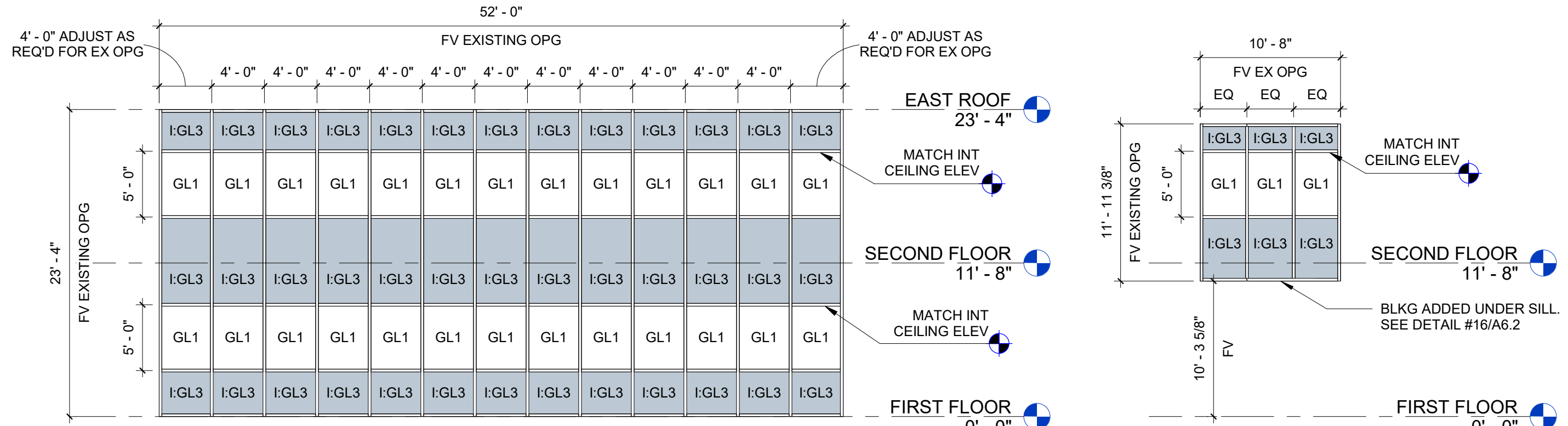
1 ALUMINUM FRAME TYPE AL-8
1/8" = 1'-0"



4 ALUMINUM FRAME TYPE AL-7
1/8" = 1'-0"

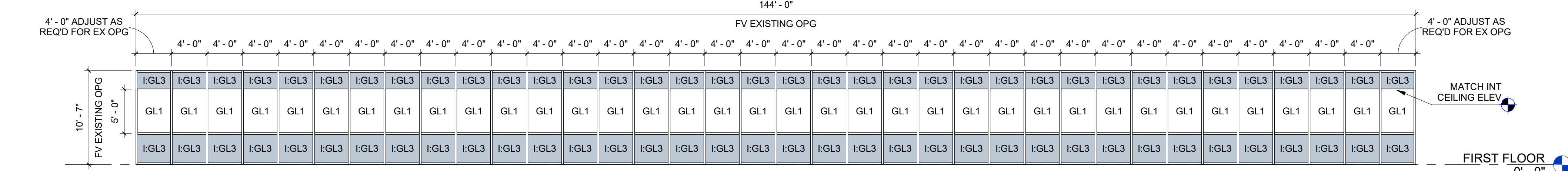


7 ALUMINUM FRAME TYPE AL-14
1/8" = 1'-0"

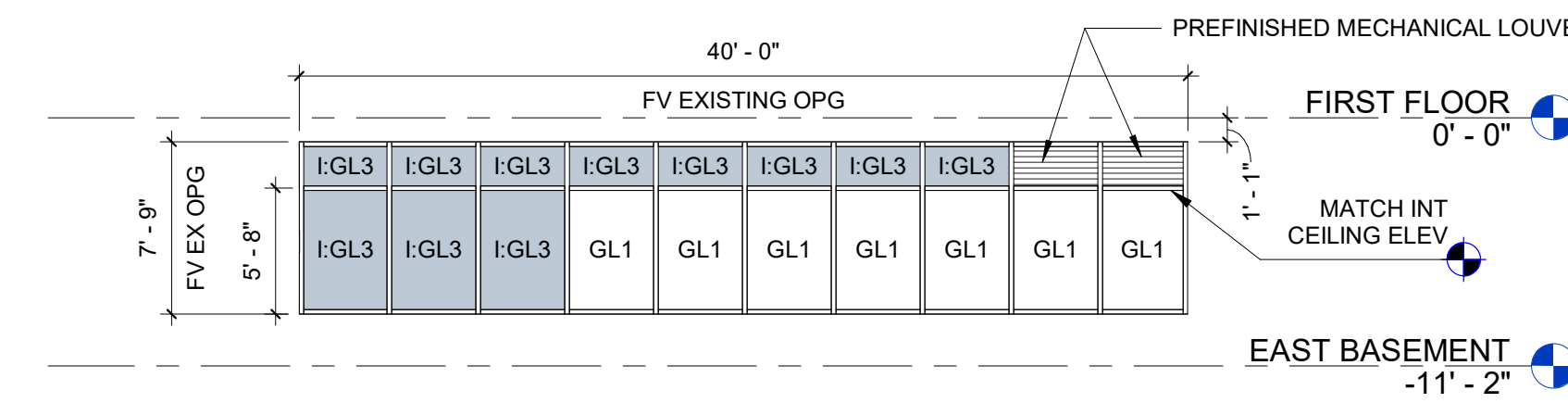


11 ALUMINUM FRAME TYPE AL-11
1/8" = 1'-0"

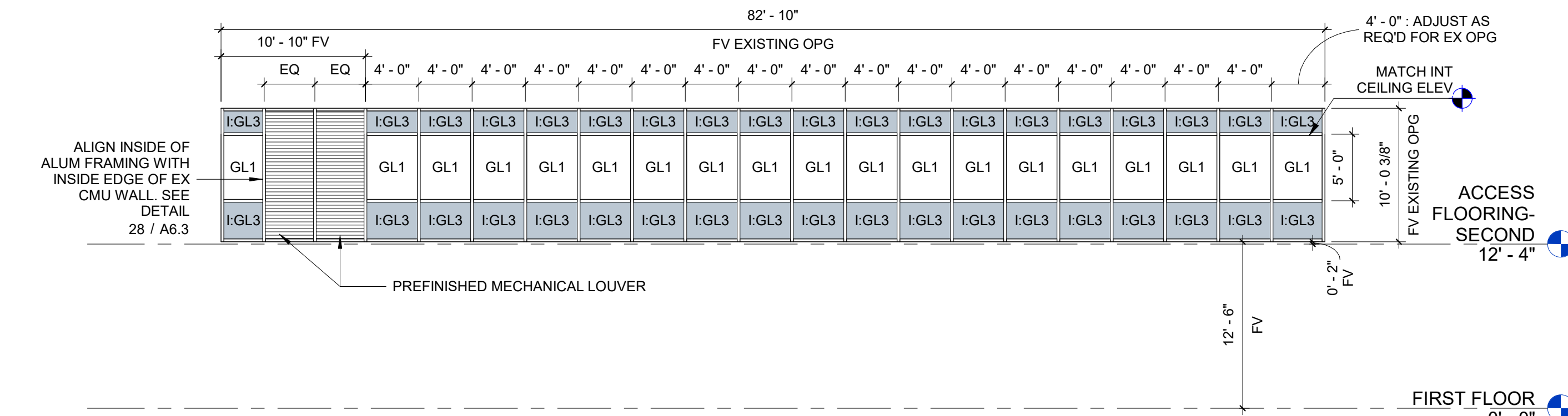
12 ALUMINUM FRAME TYPE AL-10
1/8" = 1'-0"



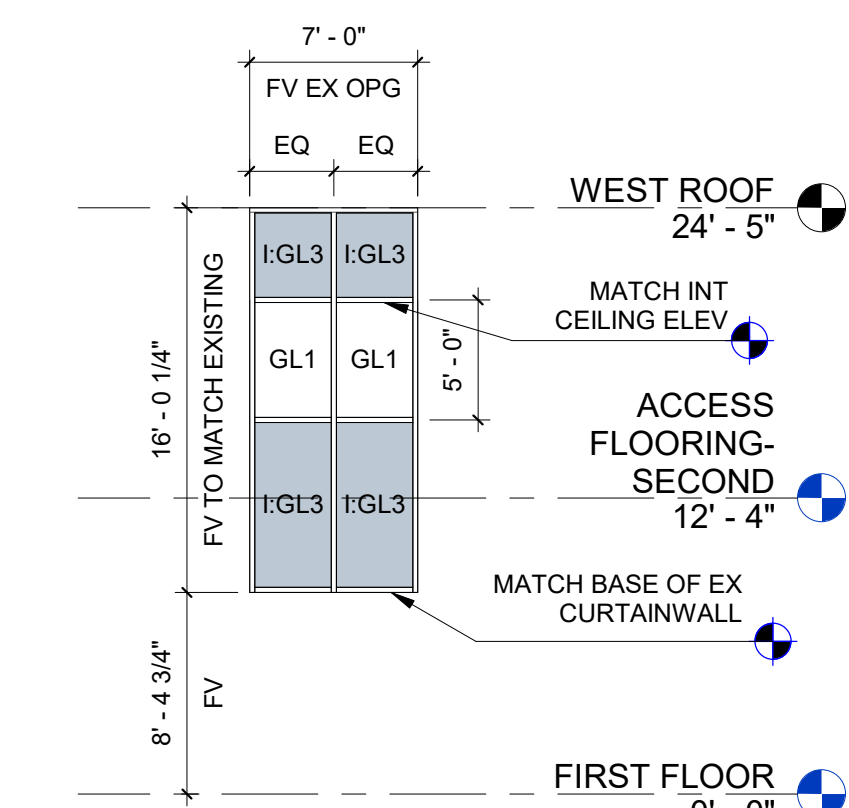
8 ALUMINUM FRAME TYPE AL-13
1/8" = 1'-0"



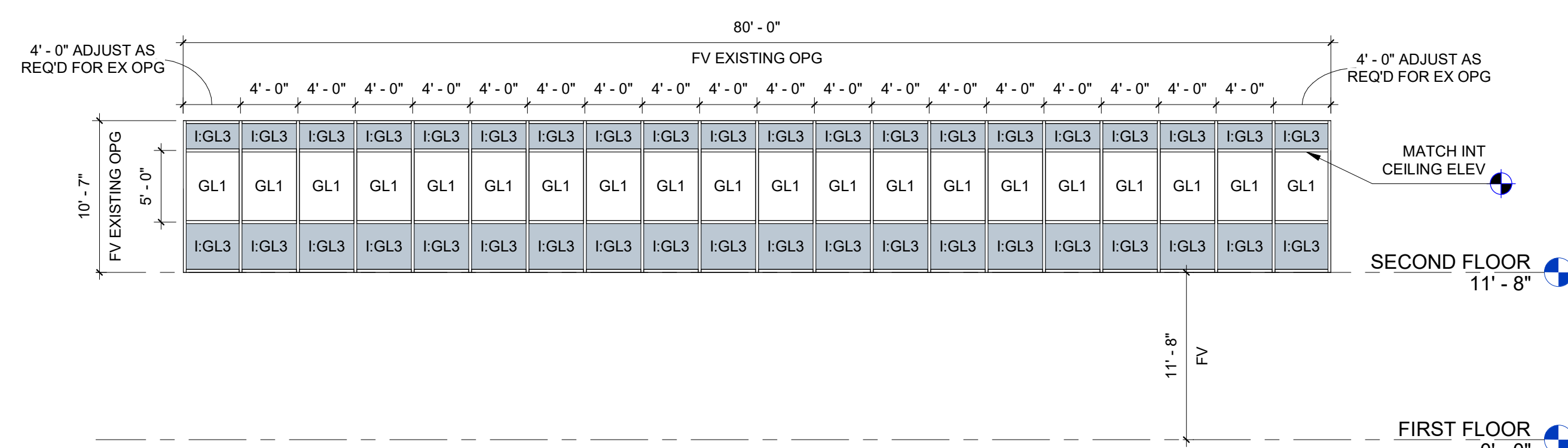
15 ALUMINUM FRAME TYPE AL-12
1/8" = 1'-0"



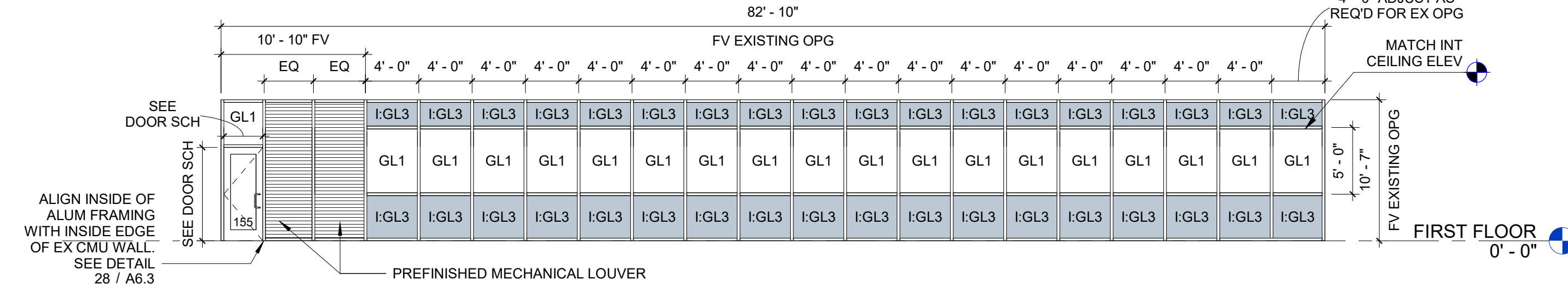
19 ALUMINUM FRAME TYPE AL-20
1/8" = 1'-0"



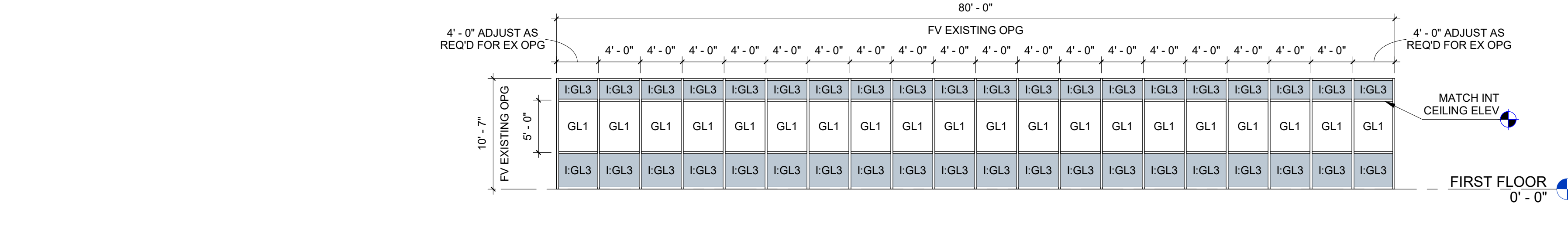
21 ALUMINUM FRAME TYPE AL-18
1/8" = 1'-0"



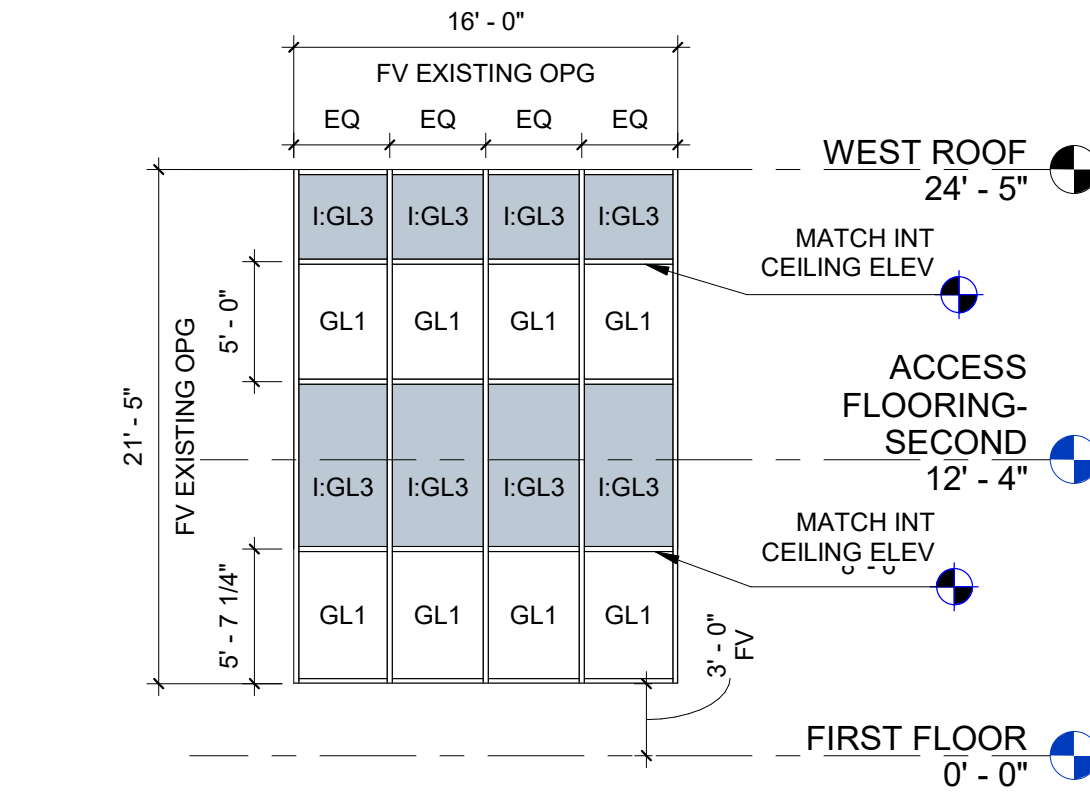
22 ALUMINUM FRAME TYPE AL-16
1/8" = 1'-0"



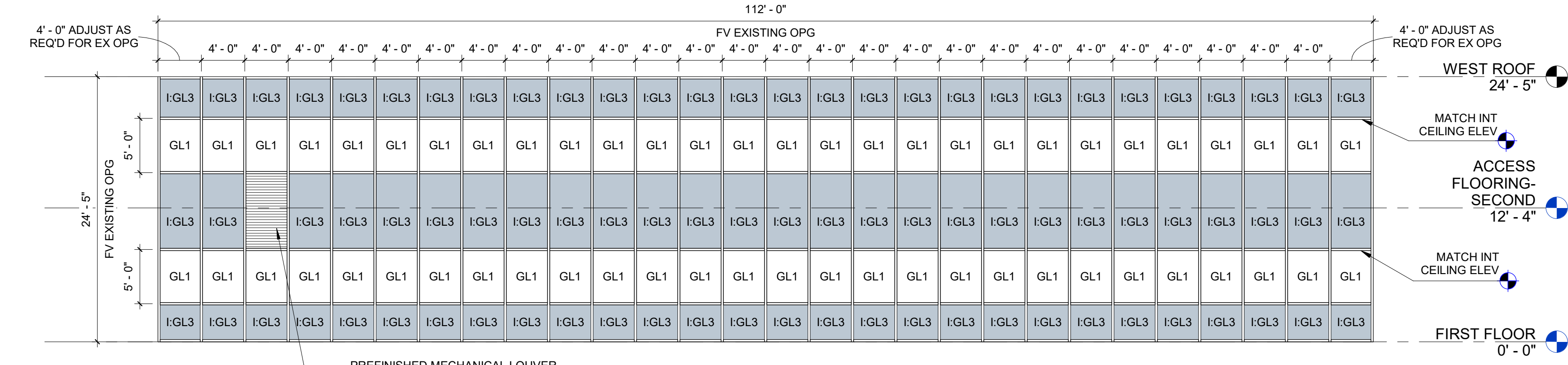
20 ALUMINUM FRAME TYPE AL-19
1/8" = 1'-0"



23 ALUMINUM FRAME TYPE AL-15
1/8" = 1'-0"



25 ALUMINUM FRAME TYPE AL-21
1/8" = 1'-0"



26 ALUMINUM FRAME TYPE AL-22
1/8" = 1'-0"

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MEM	Issued for Construction	

Project Manager: MEM
211/0206 11/23/21
All content based on 2018 IBC code book.

NUMBER	NAME	BASE FINISH	FLOOR FINISH	WALL FINISH	CEILING FINISH	FINISHES NIC	COMMENTS	NUMBER
001	CORRIDOR	EX	EX	EX	EX	FINISHES NIC		001
002	OPEN OFFICE	EX	EX	EX	EX	FINISHES NIC		002
003	MECH	EX	EX	EX	EX	FINISHES NIC		003
004	ELEV PIT	EX	EX	EX	EX	FINISHES NIC		004
005	MECH	EX	EX	EX	EX	FINISHES NIC		005
006	OFFICE	EX	EX	EX	EX	FINISHES NIC		006
007	OFFICE	EX	EX	EX	EX	FINISHES NIC		007
008	TOILET	EX	EX	EX	EX	FINISHES NIC		008
009	STORAGE	EX	EX	EX	EX	FINISHES NIC		009
010	MECHANICAL	EX	EX	EX	EX	FINISHES NIC		010
011	STORAGE	EX	EX	EX	EX	FINISHES NIC		011
012	ELEC	EX	EX	EX	EX	FINISHES NIC		012
013	STORAGE	EX	EX	EX	EX	FINISHES NIC		013
014	STORAGE	EX	EX	EX	EX	FINISHES NIC		014
014A	STORAGE	EX	EX	EX	EX	FINISHES NIC		014A
015	STORAGE	EX	EX	EX	EX	FINISHES NIC		015
016	STORAGE	EX	EX	EX	EX	FINISHES NIC		016
017	STORAGE	EX	EX	EX	EX	FINISHES NIC		017
018	CLOSET	EX	EX	EX	EX	FINISHES NIC		018
019	GARAGE	EX	EX	EX	EX	FINISHES NIC		019
020	MECHANICAL	EX	EX	EX	EX	FINISHES NIC		020
021	CORRIDOR	EX	EX	EX	EX	FINISHES NIC		021
022	STORAGE	EX	EX	EX	EX	FINISHES NIC		022
022A	ELEC	EX	EX	EX	EX	FINISHES NIC		022A
023	TOILET	EX	EX	EX	EX	FINISHES NIC		023
024	JAN	EX	EX	EX	EX	FINISHES NIC		024
025	TOILET	EX	EX	EX	EX	FINISHES NIC		025
026	IT OFFICE	EX	EX	EX	EX	FINISHES NIC		026
027	OFFICE	EX	EX	EX	EX	FINISHES NIC		027
028	OFFICE	EX	EX	EX	EX	FINISHES NIC		028
029	OFFICE	EX	EX	EX	EX	FINISHES NIC		029
030	IT WORKSPACE	EX	EX	EX	EX	FINISHES NIC		030
031	SERVER ROOM	EX	EX	EX	EX	FINISHES NIC		031
032	OFFICE	EX	EX	EX	EX	FINISHES NIC		032
033	OFFICE	EX	EX	EX	EX	FINISHES NIC		033
034	MECHELEC	EX	EX	EX	EX	FINISHES NIC		034
035	MECHANICAL	EX	EX	EX	EX	FINISHES NIC		035
036	MECHELEC	EX	EX	EX	EX	FINISHES NIC		036
037	MECHELEC	EX	EX	EX	EX	FINISHES NIC		037
038	STORAGE	EX	EX	EX	EX	FINISHES NIC		038
039	CORRIDOR	EX	EX	EX	EX	FINISHES NIC		039
041	VESTIBULE	EX	EX	EX	EX	FINISHES NIC		041
042	OFFICE	EX	EX	EX	EX	FINISHES NIC		042
042A	ELEC	EX	EX	EX	EX	FINISHES NIC		042A
042B	TEL	EX	EX	EX	EX	FINISHES NIC		042B
043	OPEN OFFICE	EX	EX	EX	EX	FINISHES NIC		043
044	STORAGE	EX	EX	EX	EX	FINISHES NIC		044
045	STORAGE	EX	EX	EX	EX	FINISHES NIC		045
046	OFFICE	EX	EX	EX	EX	FINISHES NIC		046
047	OFFICE	EX	EX	EX	EX	FINISHES NIC		047
048	OFFICE	EX	EX	EX	EX	FINISHES NIC		048
049	OFFICE	EX	EX	EX	EX	FINISHES NIC		049
050	RECORDS STORAGE	EX	EX	EX	EX	FINISHES NIC		050
051	STORAGE	EX	EX	EX	EX	FINISHES NIC		051
052	STORAGE	EX	EX	EX	EX	FINISHES NIC		052
053	STORAGE	EX	EX	EX	EX	FINISHES NIC		053
054	STORAGE	EX	EX	EX	EX	FINISHES NIC		054
055	STORAGE	EX	EX	EX	EX	FINISHES NIC		055
100	VESTIBULE	EX	EX	EX	ACT-1	A		100
101	LOBBY	EX	EX	EX	EX	FINISHES NIC		101
102	OPEN OFFICE	EX	EX	EX	ACT-1	A		102
103	OFFICE	EX	EX	EX	ACT-1	A		103
104	CORRIDOR	EX	EX	EX	ACT-1	A		104
105	OFFICE	EX	EX	EX	ACT-1	A		105
106	OFFICE	EX	EX	EX	ACT-1	A		106
107	OFFICE	EX	EX	EX	ACT-1	A		107
108	CLOSET	EX	EX	EX	ACT-1	A		108
109	STORAGE	EX	EX	EX	ACT-1	A		109
110	CLOSET	EX	EX	EX	ACT-1	A		110
111	CLOSET	EX	EX	EX	ACT-1	A		111
112	CORRIDOR	EX	EX	EX	ACT-1	A		112
113	STAIR A	EX	EX	EX	EX	FINISHES NIC		113
114	TOILETS	EX	EX	EX	ACT-1	A		114
115	STORAGE	EX	EX	EX	ACT-1	A		115
116	MEETING ROOM	EX	EX	EX	ACT-1	A		116
117	OFFICE	EX	EX	EX	ACT-1	A		117
118	TOILETS	EX	EX	EX	ACT-1	A		118
118A	ENTRY	EX	EX	EX	ACT-1	A		118A
120	CONF. ROOM	EX	EX	EX	ACT-1	A		120
121	CLOSET	EX	EX	EX	ACT-1	A		121
122	CORRIDOR	EX	EX	EX	ACT-1	A		122
123	WAITING	EX	EX	EX	ACT-1	A		123
124	OFFICE	EX	EX	EX	ACT-1	A		124
125	OFFICE	EX	EX	EX	ACT-1	A		125
126	OFFICE	EX	EX	EX	ACT-1	A		126
127	OFFICE	EX	EX	EX	ACT-1	A		127
128	CONF. ROOM	EX	EX	EX	ACT-1	A		128
129	STORAGE	EX	EX	EX	ACT-1	A		129
130	LARGE MEETING ROOM	EX	EX	EX	ACT-1	A		130
131	CLOSET	EX	EX	EX	ACT-1	A		131
132	STORAGE	EX	EX	EX	ACT-1	A		132
133	CORRIDOR	EX	EX	EX	ACT-1	A		133
134	CLOSET	EX	EX	EX	EX	FINISHES NIC		134
135	STAIR B	EX	EX	EX	EX	FINISHES NIC		135
136	MAIL ROOM	EX	EX	EX	ACT-1	A		136
137	STORAGE	EX	EX	EX	ACT-1	A		137
138	CAFETERIA	EX	EX	EX	ACT-1	A		138
139	KITCHEN	EX	EX	EX	ACT-1	A		139
140	CLOSET	EX	EX	EX	ACT-1	A		140
141	MECH	EX	EX	EX	EX	FINISHES NIC		141
142	VESTIBULE	EX	EX	EX	ACT-1	A		142
143	LOBBY	TBR-2/B-1	EX	TBR-1/P-1	ACT-1/P-3	6, A		143
144	EXIT VESTIBULE	TBR-2	LVT-1	TBR-1/P-1	P-3	1, 2, 3, 4		144
145	ENTRY	TBR-2	LVT-1	TBR-1/P-1	P-3	1, 2, 3, 4		145
146	ENTRY VESTIBULE	TBR-2	CPT-1	TBR-1/P-1	P-3	1, 2, 3, 4, 5		146
147	CORRIDOR	EX	EX	EX	ACT-1	A		147
148	TREASURER'S OFFICE	B-1	CPT-2	P-1	ACT-1	2, 3, 7		148
149	TOILETS	EX	EX	EX	EX	FINISHES NIC		149
150	JAN	EX	EX	EX	ACT-1	A		150
151	TOILETS	EX	EX	EX	EX	FINISHES NIC		151
152	CLOSET	EX	EX	EX	ACT-1	A		152
153	CLOSET	EX	EX	EX	ACT-1	A		153
154	CORRIDOR	EX	EX	EX	ACT-1	A		154
155	STAIR C	EX	EX	EX	EX	FINISHES NIC		155
156	MECHSTOR	EX	EX	EX	EX	FINISHES NIC		156
157	OFFICE	EX	EX	EX	ACT-1	A		157
158	OFFICE	EX	EX	EX	ACT-1	A		158
159	TREASURER'S OFFICE	EX	EX	EX	ACT-1	A		159
160	CLOSET	EX	EX	EX	ACT-1	A		160
161	RECEPTION	EX	EX	EX	ACT-1	A		161
162	RECEPTION	EX	EX	EX	ACT-1	A		162
163	OPEN OFFICE	EX	EX	EX	ACT-1	A		163
164	OFFICE	EX	EX	EX	ACT-1	A		164
165	RECORDS	EX	EX	EX	ACT-1	A		165
200	LANDING	EX	EX	EX	ACT-1	A		200
201	RECEPTION	EX	EX	EX	ACT-1	A		201
202	CLOSET	EX	EX	EX	ACT-1	A		202
203	OPEN OFFICE	EX	EX	EX	ACT-1	A		203
204	OFFICE	EX	EX	EX	ACT-1	A		204
205	CONFERENCE ROOM	EX	EX	EX	ACT-1	A		205
206	WORKROOM	EX	EX	EX	ACT-1	A		206
207	OFFICE	EX	EX	EX	ACT-1	A		207
208	OFFICE	EX	EX	EX	ACT-1	A		208
209	RECORDS	EX	EX	EX	ACT-1	A		209
210	STORAGE	EX	EX	EX	ACT-1	A		210

NUMBER	NAME	BASE FINISH	FLOOR FINISH	WALL FINISH	CEILING FINISH	FINISHES NIC	COMMENTS	NUMBER
211	TOILETS	EX	EX	EX	EX	ACT-1	A	211
211A	ENTRY	EX	EX	EX	EX	ACT-1	A	211A
212	TOILETS	EX	EX	EX	EX	ACT-1	A	212
213	CORRIDOR	EX	EX	EX	EX	ACT-1	A	213
214	CONF. ROOM	EX	EX	EX	EX	ACT-1	A	214
215	OFFICE	EX	EX	EX	EX	ACT-1	A	215
216	OFFICE	EX	EX	EX	EX	FINISHES NIC		216
217	WORKROOM	EX	EX	EX	EX	ACT-1	A	217
218	CLOSET	EX	EX	EX	EX	ACT-1	A	218
219	STORAGE	EX	EX	EX	EX	ACT-1	A	219
220	OPEN OFFICE	EX	EX	EX	EX	FINISHES NIC		220
221	CONF. ROOM	EX	EX	EX	EX	FINISHES NIC		221
222	OFFICE	EX	EX	EX	EX	FINISHES NIC		222
223	OFFICE	EX	EX	EX	EX	FINISHES NIC		223
224	RECORDS	EX	EX	EX	EX	FINISHES NIC		224
225	LANDING	EX	EX	EX	EX	FINISHES NIC		225
226	KITCHENETTE	EX	EX	EX	EX	FINISHES NIC		226
227	CORRIDOR	EX	EX	EX	EX	FINISHES NIC		227
228	CLOSET	EX	EX	EX	EX	FINISHES NIC		228
229	CONF. ROOM	EX	EX	EX	EX	FINISHES NIC		229
230	OFFICE	EX	EX	EX	EX	FINISHES NIC		230
231	OFFICE	EX	EX	EX	ACT-1	A		231
232	OFFICE	EX	EX	EX	ACT-1	A		232
233	OFFICE	EX	EX	EX	ACT-1	A		233
234	CLOSET	EX	EX	EX	ACT-1	A		234
235	CORRIDOR	EX	EX	EX	ACT-1	A		235
236	CORRIDOR	EX	EX	EX	ACT-1	A		236
237	ELEVATOR LANDING	EX	EX	EX	ACT-1	A		237
238	CONF. ROOM	EX	EX	EX	ACT-1	A		238
239	TOILETS	EX	EX	EX	EX	FINISHES NIC		239
240	JAN	EX	EX	EX	ACT-1	A		240
241	TOILETS	EX	EX	EX	EX	FINISHES NIC		241
242	OPEN OFFICE	EX	EX	EX	ACT-1	A		242
243	WORKROOM	EX	EX	EX	ACT-1	A		243
244	CLOSET	EX	EX	EX	ACT-1	A		244
245	CLOSET	EX	EX	EX	ACT-1	A		245
246	OFFICE	EX	EX	EX	ACT-1	A		246
247	OFFICE	EX	EX	EX	ACT-1	A		247
248	OFFICE	EX	EX	EX	ACT-1	A		248
249	OFFICE	EX	EX	EX	ACT-1	A		249
250	MECHSTOR.	EX	EX	EX	EX	FINISHES NIC		250
251	OFFICE	EX	EX	EX	ACT-1	A		251
252	OFFICE	EX	EX	EX	ACT-1	A		252

ITEM	CODE	MANUFACTURER	SERIES	COLOR	SIZE	NOTES	NOTES
CARPET TILE 1	CPT-1	MOHAWK	MODULAR TUFF STUFF II	989 OBSIDIAN	24" X 24"	WALK-OFF CARPET FOR ENTRY	PATTERN: STEP UP II
CARPET TILE 2	CPT-2	OWNER TO SELECT	OWNER TO SELECT	OWNER TO SELECT	OWNER TO SELECT	CARPET FOR TREASURER'S OFFICE 148. COORDINATE WITH OWNER	
BASE 1	B-1	JOHNSONITE	4" COVE WALL BASE	ARCHITECT TO SELECT			
FLOORING TRANSITIONS						CONTRACTOR TO DETERMINE APPROPRIATE TRANSITION PROFILE AND LENGTHS FOR ARCHITECT APPROVAL.	
LUXURY VINYL TILE	LVT-1	ARCHITECT TO SELECT	ARCHITECT TO SELECT	ARCHITECT TO SELECT	ARCHITECT TO SELECT	ARCHITECT TO SELECT A LVT PRODUCT MATCHING	

MECHANICAL SYMBOLS LIST

NOTE: NOT ALL SYMBOLS SHOWN MAY BE REQUIRED FOR THIS PROJECT

SHEET METAL

	SQUARE CEILING DIFFUSER WITH ROUND NECK
	SQUARE CEILING RETURN AIR GRILLE
	SQUARE CEILING EXHAUST OR RELIEF AIR GRILLE
	LINEAR SLOT DIFFUSER
	FLOOR REGISTER OR GRILLE
	SIDEWALL REGISTER OR GRILLE
	FLEX DUCT
	DUCT SIZE HORIZONTAL (IN PLANE) WIDTH x VERTICAL (OUT OF PLANE) HEIGHT (NET OUTSIDE SHEET METAL DIMENSION)
	RECTANGULAR ELBOW WITH TURNING VANES
	CONCENTRIC DUCT REDUCER
	ECCENTRIC DUCT REDUCER
	EXISTING DUCTWORK TO BE REMOVED
	EXISTING DUCTWORK TO REMAIN
	SUPPLY AIR DUCT SECTION UP OR TOWARDS
	RETURN AIR DUCT SECTION UP OR TOWARDS
	EXHAUST AIR DUCT SECTION UP OR TOWARDS
	OUTSIDE AIR DUCT SECTION UP OR TOWARDS
	SUPPLY AIR DUCT SECTION DOWN OR AWAY
	RETURN AIR DUCT SECTION DOWN OR AWAY
	EXHAUST AIR DUCT SECTION DOWN OR AWAY
	OUTSIDE AIR DUCT SECTION DOWN OR AWAY
	DIRECTIONAL FLOW ARROW
	HORIZONTAL DAMPER FD = FIRE DAMPER, FD = FIRE DAMPER, SD = SMOKE DAMPER CD = CONTROL DAMPER
	VOLUME CONTROL DAMPER
	GRILLE/DIFFUSER TAG WITH TYPE NUMBER AND CFM QUANTITY S = SUPPLY, R = RETURN, E = EXHAUST
	GRILLE/DIFFUSER TAG WITH TYPE NUMBER AND CFM QUANTITY S = SUPPLY, R = RETURN, E = EXHAUST
	VARIABLE AIR VOLUME (VAV) BOX WITH TYPE NUMBER
	THERMOSTAT
	HUMIDISTAT
	CARBON DIOXIDE SENSOR
	NITROGEN OXIDE SENSOR
	CARBON MONOXIDE SENSOR
	DIFFERENTIAL PRESSURE SENSOR
	DUCT RISE
	DUCT DROP
	FLEXIBLE DUCT CONNECTOR
	CONED TAKEOFF WITH DAMPER

TEMPERATURE CONTROLS

	BACKDRAFT DAMPER
	MOTORIZED CONTROL DAMPER
	AIR FLOW MEASURING STATION
	LOW PRESSURE CUTOFF
	HIGH PRESSURE CUTOFF
	STATIC PRESSURE SENSOR
	DIFFERENTIAL PRESSURE SENSOR
	LOW TEMPERATURE CUTOFF
	DUCT TEMPERATURE SENSOR
	PIPE TEMPERATURE SENSOR
	CURRENT SENSOR
	RELATIVE HUMIDITY SENSOR
	FILTER
	FAN

PLUMBING

	DOMESTIC COLD WATER LINE - CW
	DOMESTIC HOT WATER CIRCULATING LINE - HW
	TREATED WATER LINE
	SOFT COLD WATER LINE
	SOFT HOT WATER LINE
	SANITARY SEWER LINE
	GREASE SANITARY SEWER LINE
	STORM SEWER LINE
	STORM SEWER OVERFLOW LINE
	ACID WASTE LINE
	FLUSHING VENT LINE
	ACID FLUSHING VENT LINE
	CONDENSATE DRAIN LINE
	NATURAL GAS LINE
	LIQUID PETROLEUM GAS LINE
	REFRIGERANT LIQUID LINE
	REFRIGERANT SUCTION LINE
	REFRIGERANT HOT GAS BYPASS LINE
	PUMPED DISCHARGE LINE
	WELL WATER LINE
	CLEANOUT IN FLOOR
	CLEANOUT AT OR ABOVE CEILING
	CLEANOUT IN WALL
	SHOWERHEAD
	FLOOR DRAIN
	ROOF DRAIN
	PLUMBING FEATURE (GND) ON ASSOCIATED LEVEL
	PLUMBING FEATURE (GND) ON LEVEL ABOVE

PIPING SPECIALTIES

	PIPE RISER
	PIPE DROP
	UNION
	PIPE CAP
	BACKFLOW PREVENTER
	FLEXIBLE PIPE CONNECTOR
	FLOAT & THERMOSTATIC TRAP
	THERMOSTATIC TRAP
	STRAINER
	STRAINER W/GROAIN VALVE
	AIR VENT
	PRESSURE GAUGE
	EXPANSION JOINT
	GLOBE VALVE
	BUTTERFLY VALVE
	BALL VALVE
	LUBRICATED PLUG VALVE
	GATE VALVE
	3WAY CONTROL VALVE
	2WAY CONTROL VALVE
	CALIBRATED BALANCE VALVE
	AUTOMATIC FLOW LIMITING VALVE
	VENTURE FLOW MEASURING STATION
	VENTURE FLOW BALANCING STATION
	CHECK VALVE
	GLOBE BALANCING VALVE
	TRIPLE DUTY VALVE
	HOSE BIBB
	WALL HYDRANT
	THERMOMETER
	TEMPERATURE WELL
	PIT RISER
	CLUB STOP
	SPRINKLER HOST INDICATOR VALVE
	PRESSURE REDUCING VALVE
	SIGHT FLOW INDICATOR

MISCELLANEOUS

	EXISTING LINE TO REMAIN
	EXISTING LINE TO BE REMOVED (ON DEMOLITION PLANS)
	POINT OF NEW CONNECTION
	EXISTING TO REMAIN
	EXISTING TO BE REMOVED
	EXISTING TO BE RELOCATED

FIRE EXTINGUISHING SYSTEM

	SPRINKLER LINE
	DRY TYPE SPRINKLER LINE
	DRY SPRINKLER HEAD
	WET SPRINKLER HEAD
	SIZE MOUNT SPRINKLER HEAD
	FIRE HYDRANT
	FIRE DEPARTMENT CONNECTION
	FLOW SWITCH
	SPRINKLER LINE TAMPER SWITCH

HYDRONIC PIPING

	HEATING HOT WATER SUPPLY LINE
	HEATING HOT WATER RETURN LINE
	HEATING HOT WATER SUPPLY LINE ONE
	HEATING HOT WATER SUPPLY LINE TWO
	HEATING HOT WATER SUPPLY LINE THREE
	HEATING HOT WATER SUPPLY LINE FOUR
	HEATING HOT WATER SUPPLY LINE FIVE
	HEATING HOT WATER SUPPLY LINE SIX
	HEATING HOT WATER SUPPLY LINE SEVEN
	CHILLED WATER SUPPLY LINE
	CHILLED WATER RETURN LINE
	CHILLED HOT WATER RETURN LINE
	CONDENSER WATER SUPPLY LINE
	CONDENSER WATER RETURN LINE
	COOLING TOWER DOWNDOWN LINE
	HEAT PUMP SUPPLY LINE
	HEAT PUMP RETURN LINE
	SNOW MELTING SYSTEM SUPPLY LINE
	SNOW MELTING SYSTEM RETURN LINE
	PURGED CONDENSATE RETURN LINE
	HIGH PRESSURE STEAM SUPPLY LINE (51-135 PSIG)
	HIGH PRESSURE CONDENSATE RETURN LINE
	MEDIUM PRESSURE STEAM SUPPLY LINE (14-50 PSIG)
	MEDIUM PRESSURE CONDENSATE RETURN LINE
	LOW PRESSURE STEAM SUPPLY LINE (0-15 PSIG)
	LOW PRESSURE CONDENSATE RETURN LINE
	OIL FILL LINE
	OIL SUCTION LINE
	OIL RETURN LINE
	OIL GAUGE LINE
	OIL VENT LINE
	WASTE OIL LINE
	WASTE OIL VENT LINE

ELECTRICAL SYMBOLS LIST

NOTE: NOT ALL SYMBOLS SHOWN MAY BE REQUIRED FOR THIS PROJECT

WIRING DEVICES

	DUPLEX WALL RECEPTACLE
	DUPLEX WALL RECEPTACLE ABOVE COUNTER BACKPLASH OR AS INDICATED
	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
	DUPLEX TAMPER-RESISTANT RECEPTACLE
	DUPLEX WEATHERPROOF GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE WITH COVER
	DUPLEX RECEPTACLE WITH USB CHARGER PORT
	DUPLEX RECEPTACLE INSTALLED HORIZONTALLY
	DUPLEX RECEPTACLE ON BACKUP POWER
	QUADPLEX RECEPTACLE
	QUADPLEX RECEPTACLE ABOVE COUNTER BACKPLASH OR AS INDICATED
	DUPLEX CEILING RECEPTACLE
	JUNCTION BOX
	WIRESHOLLY/ULTRAPOLOID W/ENTRANCE FITTING AS SPECIFIED AND RECEPTACLES & DEVICES AS INDICATED
	DUPLEX WALL RECEPTACLE FOR 208V, VERIFY POWER NEEDS
	HAND DRYER (BY OTHERS)
	AUTOMATIC FAUCET VALVE
	EMERGENCY PUSH BUTTON (GENERATORS/BELLERS)
	ADA PUSH BUTTON (BY OTHERS)

EQUIPMENT WIRING

	DISCONNECTING MEANS
--	---------------------

SWITCHES - LOW VOLTAGE (DIGITAL)

(REFER TO LIGHTING SEQUENCE OF OPERATION FOR ADDITIONAL INFORMATION)

	WALL SWITCH/ SWITCHGEAR
	CEILING MOUNT OCCUPANCY SENSOR
	OCCUPANCY SENSOR WALL SWITCH
	CEILING MOUNT OCCUPANCY SENSOR
	DAYLIGHT PHOTOSENSOR
	EXTERIOR PHOTOCELL

SWITCHES - LINE VOLTAGE (120/277V)

(REFER TO LIGHTING SEQUENCE OF OPERATION FOR ADDITIONAL INFORMATION)

	SINGLE POLE
	DIMMING SWITCH
	3-WAY SWITCH
	4-WAY SWITCH

COMMUNICATIONS SYSTEMS

	TELEPHONE OUTLET FOR WALL MOUNTED TELEPHONE
	DATA OUTLET IN WALL W/ # OF JACKS
	CEILING SPEAKER
	AUDIO VISUAL OUTLET IN CEILING

FIRE ALARM & DETECTION

	SMOKE DETECTOR - CEILING MOUNTED
	FIRE ALARM PULL STATION
	FIRE ALARM HORN/STROBE - WALL MOUNTED
	FIRE ALARM HORN/STROBE - CEILING MOUNTED
	DUPLEX WALL STROBE LIGHT - WALL MOUNTED
	FIRE ALARM STROBE LIGHT - CEILING MOUNTED
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR PANEL

ACCESS CONTROL

	PROXIMITY CARD READER
	HULLION MOUNT CARD READER
	SECURITY CAMERA
	TELEPHONE ENTRY SYSTEM
	SECURITY DOOR RELEASE

DISTRIBUTION

	SURFACE-MOUNT PANEL
	FLUSH-MOUNT PANEL
	TRANSFORMER
	OT CABINET
	METER

LUMINAIRES

	1x4 RECESSED TROFFER FIXTURE W/TYE NUMBER
	2x4 RECESSED TROFFER FIXTURE W/TYE NUMBER
	RECESSED LINEAR FIXTURE W/TYE NUMBER
	2x4 SURFACE MOUNT TROFFER FIXTURE W/TYE NUMBER
	SURFACE MOUNT LINEAR FIXTURE W/TYE NUMBER
	WALL MOUNT LINEAR FIXTURE W/TYE NUMBER
	SURFACE/CEILING MOUNT STRIP FIXTURE W/TYE NUMBER
	SUSPENDED MOUNT STRIP FIXTURE W/TYE NUMBER
	COVE LIGHT FIXTURE W/TYE NUMBER
	SURFACE MOUNT FIXTURE W/TYE NUMBER
	RECESSED DOWNLIGHT FIXTURE W/TYE NUMBER
	PENDANT MOUNT FIXTURE W/TYE NUMBER
	WALL MOUNT FIXTURE W/TYE NUMBER
	TRACK MOUNT FIXTURE W/TYE NUMBER
	INBOARD FIXTURE W/TYE NUMBER
	POLE MOUNT FIXTURE W/TYE NUMBER
	FIRE ALARM FLOOD LIGHT FIXTURE W/TYE NUMBER
	THREE UPLIGHT FIXTURE W/TYE NUMBER

EXIT & EMERGENCY

	SINGLE FACE CEILING MOUNTED EXIT SIGN W/ILLUMINATED FACE AND DIRECTION
	DOUBLE FACE CEILING MOUNTED EXIT SIGN W/ILLUMINATED FACES AND DIRECTION INDICATED
	WALL MOUNTED EXIT SIGN W/DIRECTION INDICATED
	EDGE MOUNTED EXIT SIGN W/ILLUMINATED FACES AND DIRECTION INDICATED
	EMERGENCY BATTERY PACK
	ROUND CEILING MOUNT EMERGENCY LIGHT FIXTURE W/TYE AND CIRCUIT INDICATED ON PLANS (FULL SHADE)
	RECTANGULAR CEILING MOUNT EMERGENCY LIGHT FIXTURE W/TYE AND CIRCUIT INDICATED ON PLANS (FULL SHADE)

MISCELLANEOUS

	EXISTING - TO REMAIN
	EXISTING - TO BE RELOCATED
	CONDUIT
	SWITCH-LEG IN CONDUIT
	UNDER-GROUND CONDUIT
	EMPTY CONDUIT
	POINT OF NEW CONNECTION
	WEATHERPROOF
	DEVICE ON WREATHOLD
	ABOVE FINISHED FLOOR
	DEVICE ON WREATHOLD
	WIRE GUARD
	FIRE STOP
	PASS-THROUGH

SHEET INDEX

SHEET NUMBER	MEPT SYMBOLS LIST	SHEET NAME
ME000		
MD100		GROUND FLOOR HVAC DEMOLITION PLAN
MD101		FIRST FLOOR HVAC DEMOLITION PLAN
MD101A		FIRST FLOOR HVAC DEMOLITION PLAN - DEDUCT ALTERNATE #1
MD102		SECOND FLOOR HVAC DEMOLITION PLAN
MD102A		SECOND FLOOR HVAC DEMOLITION PLAN - DEDUCT ALTERNATE #1
MD200		GROUND FLOOR PIPING DEMOLITION PLAN
MD201		FIRST FLOOR PIPING DEMOLITION PLAN
MD202		SECOND FLOOR MECHANICAL DEMOLITION PLAN
M100		GROUND FLOOR HVAC PLAN
M101		FIRST FLOOR HVAC PLAN
M101A		FIRST FLOOR HVAC PLAN - DEDUCT ALTERNATE #1
M102		SECOND FLOOR HVAC PLAN
M102A		SECOND FLOOR HVAC PLAN - DEDUCT ALTERNATE #1
M200		GROUND FLOOR MECHANICAL PIPING PLAN
M201		FIRST FLOOR MECHANICAL PIPING PLAN
M202		SECOND FLOOR MECHANICAL PIPING PLAN
M501		MECHANICAL DETAILS
M601		MECHANICAL SCHEDULES
ED101		ELECTRICAL FIRST FLOOR DEMOLITION PLAN
ED102		ELECTRICAL SECOND FLOOR DEMOLITION PLAN
ED201		LIGHTING DEMOLITION PLANS
E201		FIRST FLOOR POWER & LIGHTING PLAN
E202		SECOND FLOOR LIGHTING PLAN
E501		ELECTRICAL DETAILS & SCHEDULES
T101		LOW VOLTAGE FIRST FLOOR PLAN
T201		LOW VOLTAGE FIRST FLOOR CEILING PLAN
T202		LOW VOLTAGE SECOND FLOOR CEILING PLAN
T501		LOW VOLTAGE DETAILS
T502		LOW VOLTAGE DETAILS

PROJECT MANAGER KEVIN PANICZYK K.P



DEMOLITION GENERAL NOTES:

- A. DEMOLITION DRAWINGS ARE BASED ON EXISTING AVAILABLE DRAWINGS AND CASUAL FIELD OBSERVATION. MECHANICAL AND ELECTRICAL CONTRACTORS SHALL FIELD VERIFY THE SITE AND INCLUDE ALL REQUIRED DEMOLITION IN THE BID.
- B. ALL REQUIRED DEMOLITION IS NOT INDICATED. IT IS THE INTENT OF THESE DOCUMENTS THAT ALL MECHANICAL AND ELECTRICAL SYSTEMS (NOT TO BE REUSED OR EXTENDED) BE REMOVED. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- C. REFER TO SPECIFICATIONS AND OTHER SHEETS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- D. REMOVE ALL ELECTRICAL CONNECTIONS, WIRING, AND CONDUIT SERVING ALL MECHANICAL EQUIPMENT TO BE REMOVED.
- E. MAINTAIN FIRE RATINGS OF AFFECTED WALLS AND FLOORS.
- F. EXISTING MECHANICAL AND ELECTRICAL SYSTEMS LOCATED IN WALLS AND CHASES NOT BEING REMOVED OR REUSED FOR NEW SYSTEMS MAY BE ABANDONED IN PLACE. CAP AT MAINS OR IN A CONCEALED LOCATION IF REQUIRED.
- G. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS ON FLOOR CUTTING AND CEILING REMOVAL. CONTRACTOR SHALL COORDINATE WORK TO BE CONSISTENT WITH SCOPE OF GENERAL CONTRACTOR'S DEMOLITION.

DEMOLITION REFERENCED NOTES: (1)

(NOT ALL NOTES MAY BE USED ON THIS SHEET)

- 1. REMOVE EXISTING VAV BOX, ASSOCIATED CONTROLS, AND THERMOSTAT. DUCTWORK SHALL BE REMOVED ONLY AS SHOWN.
- 2. REMOVE AND LAWFULLY DISPOSE OF EXISTING FIN-TUBE HEATER AND ASSOCIATED PIPING BACK TO ISOLATION VALVES. PROVIDE NEW FIN-TUBE AS SHOWN ON NEW WORK MECHANICAL PLANS.
- 3. REMOVE EXISTING CONTROL VALVE. MODIFY PIPING AS NECESSARY TO REPLACE THE VALVE AS SHOWN ON MECHANICAL PLANS.
- 4. PATCH AND REPAIR HOLE IN WALL LEFT BEHIND BY DEMOLISHED FIN-TUBE. EXTEND WALL TRIM TO CORNER AND PAINT WALL TO MATCH EXISTING.
- 5. REMOVE AND LAWFULLY DISPOSE OF EXISTING LOUVER. LOUVER SHALL NOT BE REMOVED UNTIL EXTERIOR WALL SYSTEM IS ABOUT TO BE REMOVED. PROTECT OPENING WITH BIRDSCREEN UNTIL NEW LOUVER CAN BE INSTALLED WITH NEW CURTAIN WALL SYSTEM. COORDINATE WORK WITH GENERAL CONTRACTOR. COORDINATE SHUTDOWN OF ASSOCIATED HVAC EQUIPMENT WITH OWNER PRIOR TO COMMENCING ON WORK.
- 6. REMOVE EXISTING LOUVER. REMOVE DUCTWORK CONNECTION TO THE LOUVER AND PERMANENTLY CAP THE DUCT.
- 7. REMOVE SECTION OF DUCTWORK. RETAIN CONNECTED BRANCH DUCTWORK TO THE GREATEST EXTENT PRACTICABLE.
- 8. REMOVE EXISTING ZONE CONTROL DAMPER AND ASSOCIATED CONTROLS. ASSOCIATED DUCTWORK SHALL BE REMOVED AS SHOWN.
- 9. **BASE BID:** REMOVE DIFFUSERS IN THIS SPACE AS SHOWN AND THEIR ASSOCIATED FLEX DUCTS. **DUCT ALTERNATE #1:** THIS SCOPE OF WORK SHALL NOT BE PERFORMED.
- 10. REMOVE CONTROLS FROM EXISTING VAV BOX, THERMOSTAT, AND ASSOCIATED WIRING. REMOVE CONTROL VALVE AND ASSOCIATED ACTUATOR. VAV BOX SHALL BE EXISTING TO REMAIN. REMOVE VAV BOX'S INTERNAL FLOW SENSOR.
- 11. REMOVE EXISTING FIRE ALARM STROBE AND FIRE DEPARTMENT CONNECTION FROM ABANDONED SPRINKLER SYSTEM. CAP THE FDC LINE INSIDE THE BUILDING.
- 12. REMOVE EXISTING CABINET UNIT HEATER AND ALL ASSOCIATED POWER AND CONTROLS.
- 13. **BEFORE DEMOLITION BEGINS:** PERFORM PRETAB MEASUREMENTS ON THIS DIFFUSER RECORDING THE LOCATION AND AIRFLOW.

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

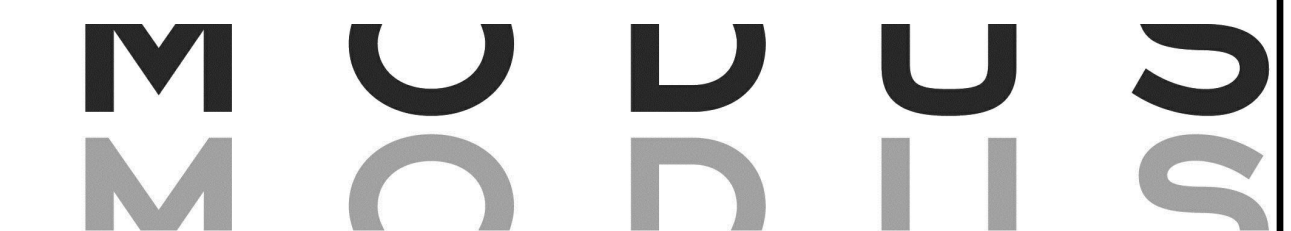
Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

Revisions	Rev	Description	Date
	1	Issued for Bidding	02-13-2024
	2	Issued for Construction	02-13-2024

Project Number: 22072
Project Manager: MEM
20240218 09:51 AM
All scales based on 3/4" = 1'-0"

Sheet Title

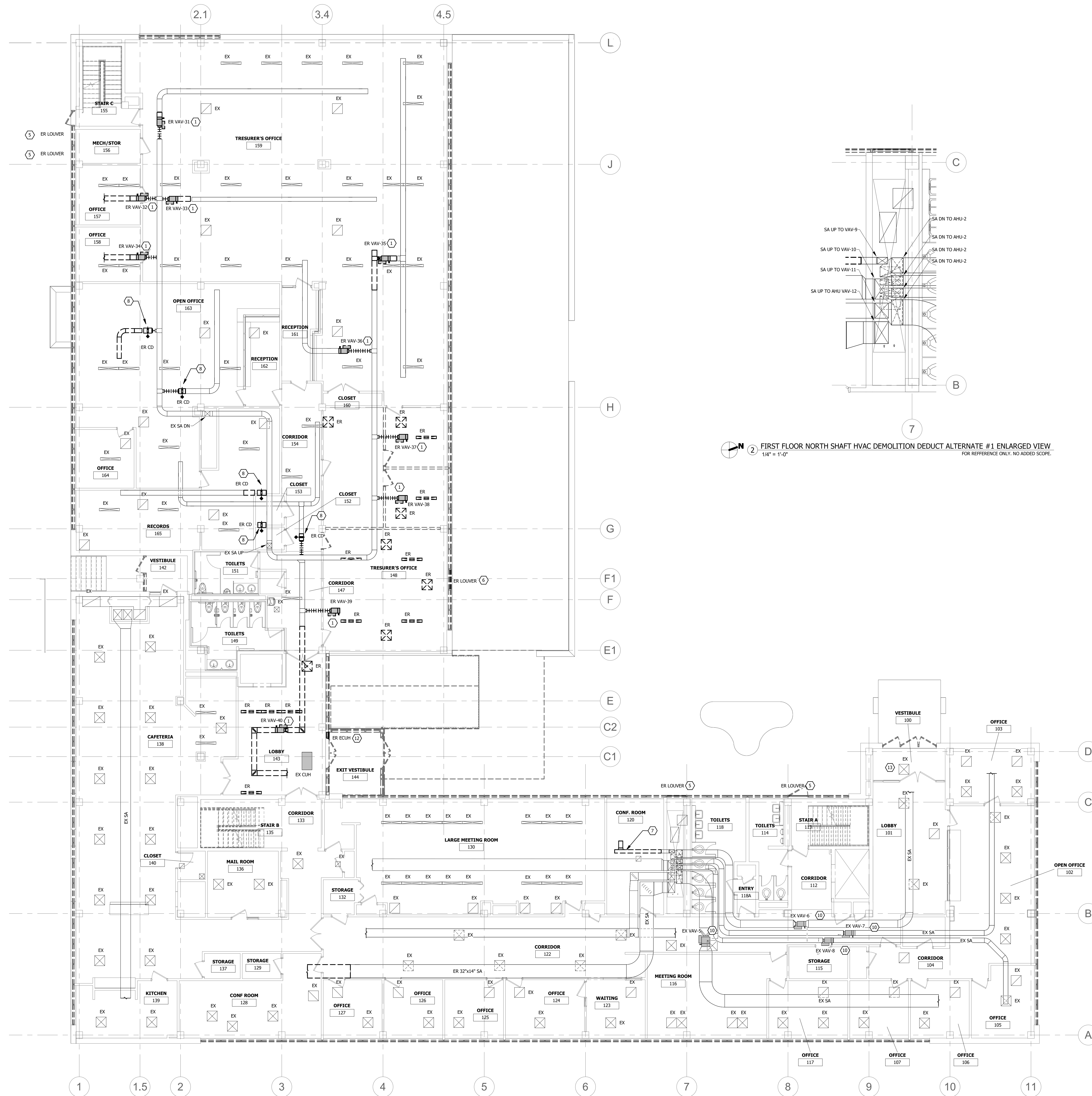
**GROUND FLOOR
HVAC
DEMOLITION
PLAN**



WATERLOO | DES MOINES | IOWA CITY
214 EAST 4TH ST. | 130 EAST 3RD ST. | 118 EAST COLLEGE ST.
WATERLOO, IOWA | DES MOINES, IOWA | IOWA CITY, IOWA
(319)235-0650 | (515)251-7280 | (319)248-4600

MD100

1 GROUND FLOOR HVAC DEMOLITION PLAN
1/8" = 1'-0"



DEMOLITION GENERAL NOTES:

- A. DEMOLITION DRAWINGS ARE BASED ON EXISTING AVAILABLE DRAWINGS AND CASUAL FIELD OBSERVATION. MECHANICAL AND ELECTRICAL CONTRACTORS SHALL VERIFY THE SITE AND INCLUDE ALL REQUIRED DEMOLITION IN THE BID.
- B. ALL REQUIRED DEMOLITION IS NOT INDICATED. IT IS THE INTENT OF THESE DOCUMENTS THAT ALL MECHANICAL AND ELECTRICAL SYSTEMS (NOT TO BE REUSED OR EXTENDED) BE REMOVED. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- C. REFER TO SPECIFICATIONS AND OTHER SHEETS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- D. REMOVE ALL ELECTRICAL CONNECTIONS, WIRING, AND CONDUIT SERVING ALL MECHANICAL EQUIPMENT TO BE REMOVED.
- E. MAINTAIN FIRE RATINGS OF AFFECTED WALLS AND FLOORS.
- F. EXISTING MECHANICAL AND ELECTRICAL SYSTEMS LOCATED IN WALLS AND CHASES NOT BEING REMOVED OR REUSED FOR NEW SYSTEMS MAY BE ABANDONED IN PLACE. CAP AT MAINS OR IN A CONCEALED LOCATION IF REQUIRED.
- G. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS ON FLOOR CUTTING AND CEILING REMOVAL. CONTRACTOR SHALL COORDINATE WORK TO BE CONSISTENT WITH SCOPE OF GENERAL CONTRACTOR'S DEMOLITION.

DEMOLITION REFERENCED NOTES: (7)

(NOT ALL NOTES MAY BE USED ON THIS SHEET)

- 1. REMOVE EXISTING VAV BOX, ASSOCIATED CONTROLS, AND THERMOSTAT. DUCTWORK SHALL BE REMOVED ONLY AS SHOWN.
- 2. REMOVE AND LAWFULLY DISPOSE OF EXISTING FIN-TUBE HEATER AND ASSOCIATED PIPING BACK TO ISOLATION VALVES. PROVIDE NEW FIN-TUBE AS SHOWN ON NEW WORK MECHANICAL PLANS.
- 3. REMOVE EXISTING CONTROL VALVE. MODIFY PIPING AS NECESSARY TO REPLACE THE VALVE AS SHOWN ON MECHANICAL PLANS.
- 4. PATCH AND REPAIR HOLE IN WALL LEFT BEHIND BY DEMOLISHED FIN TUBE. EXTEND WALL TRIM TO CORNER AND PAINT WALL TO MATCH EXISTING.
- 5. REMOVE AND LAWFULLY DISPOSE OF EXISTING LOUVER. LOUVER SHALL NOT BE REMOVED UNTIL EXTERIOR WALL SYSTEM IS ABOUT TO BE REMOVED. PROTECT OPENING WITH BIRDSCREEN UNTIL NEW LOUVER CAN BE INSTALLED WITH NEW CURTAIN WALL SYSTEM. COORDINATE WORK WITH GENERAL CONTRACTOR. COORDINATE SHUTDOWN OF ASSOCIATED HVAC EQUIPMENT WITH OWNER PRIOR TO COMMENCING ON WORK.
- 6. REMOVE EXISTING LOUVER. REMOVE DUCTWORK CONNECTION TO THE LOUVER AND PERMANENTLY CAP THE DUCT.
- 7. REMOVE SECTION OF DUCTWORK. RETAIN CONNECTED BRANCH DUCTWORK TO THE GREATEST EXTENT PRACTICABLE.
- 8. REMOVE EXISTING ZONE CONTROL DAMPER AND ASSOCIATED CONTROLS. ASSOCIATED DUCTWORK SHALL BE REMOVED AS SHOWN.
- 9. **BASE BID:** REMOVE DIFFUSERS IN THIS SPACE AS SHOWN AND THEIR ASSOCIATED FLEX DUCTS. **DUCT ALTERNATE #1:** THIS SCOPE OF WORK SHALL NOT BE PERFORMED.
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- 11. REMOVE EXISTING FIRE ALARM STROBE AND FIRE DEPARTMENT CONNECTION FROM ABANDONED SPRINKLER SYSTEM. CAP THE FDC LINE INSIDE THE BUILDING.
- 12. REMOVE EXISTING CABINET UNIT HEATER AND ALL ASSOCIATED POWER AND CONTROLS.
- 13. **BEFORE DEMOLITION BEGINS:** PERFORM PRETAB MEASUREMENTS ON THIS DIFFUSER RECORDING THE LOCATION AND AIRFLOW.

2 FIRST FLOOR NORTH SHAFT HVAC DEMOLITION DEDUCT ALTERNATE #1 ENLARGED VIEW
1/4" = 1'-0"
FOR REFERENCE ONLY. NO ADDED SCOPE.

1 FIRST FLOOR HVAC DEMOLITION DEDUCT ALTERNATE #1 PLAN
1/8" = 1'-0"

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

Revisions	Rev	Description	Date
	1	Issued for Bidding	02-13-2024
	2	Issued for Construction	

Project Number: 22072
 Project Manager: MEM
 Issued for Bidding: 02-13-2024
 Issued for Construction:
 Approved:
 All numbers based on: 20x12, 1/4" sheet size.

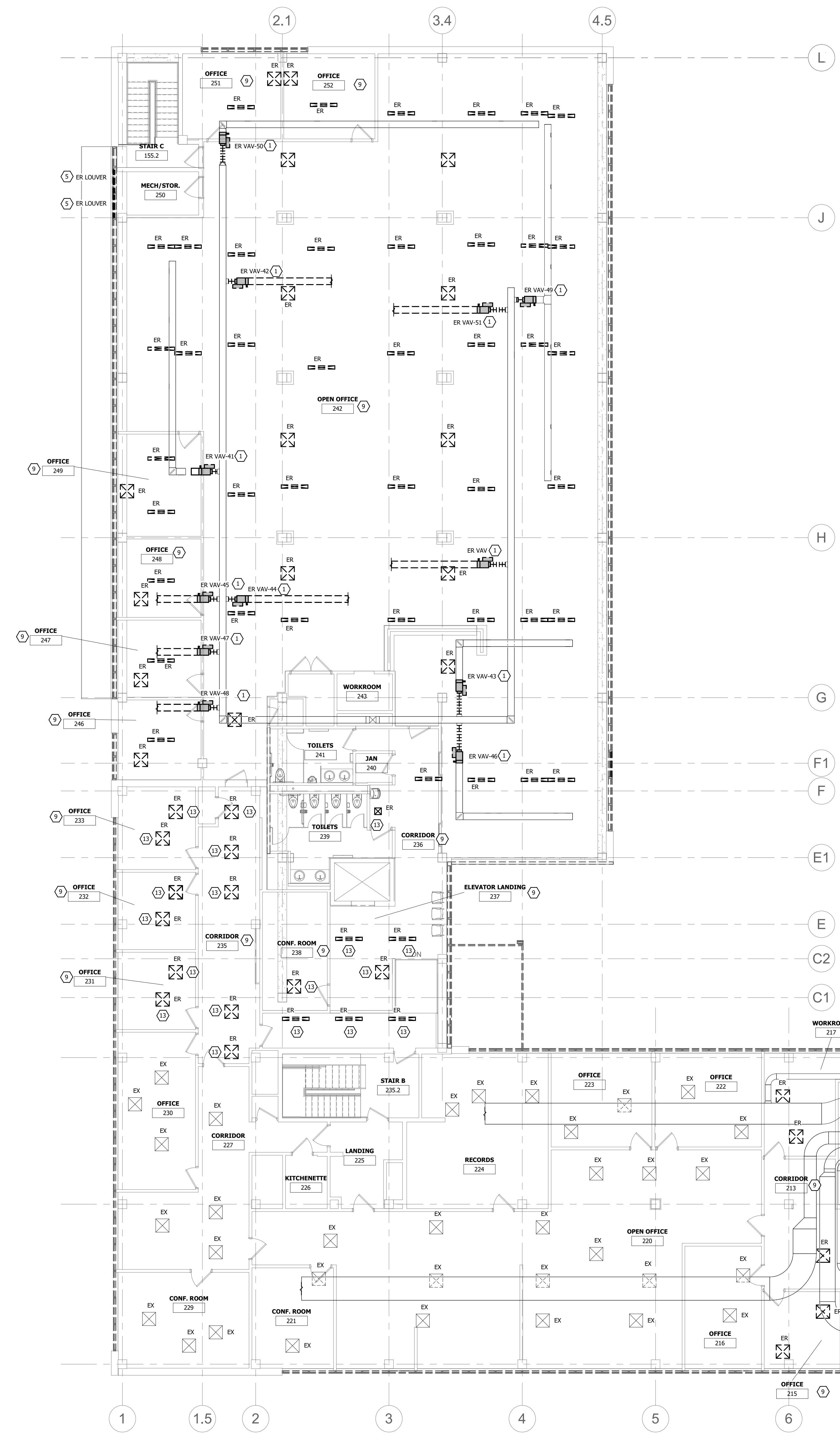
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**FIRST FLOOR
HVAC
DEMOLITION
PLAN - DEDUCT
ALTERNATE #1**

DEMOLITION GENERAL NOTES:

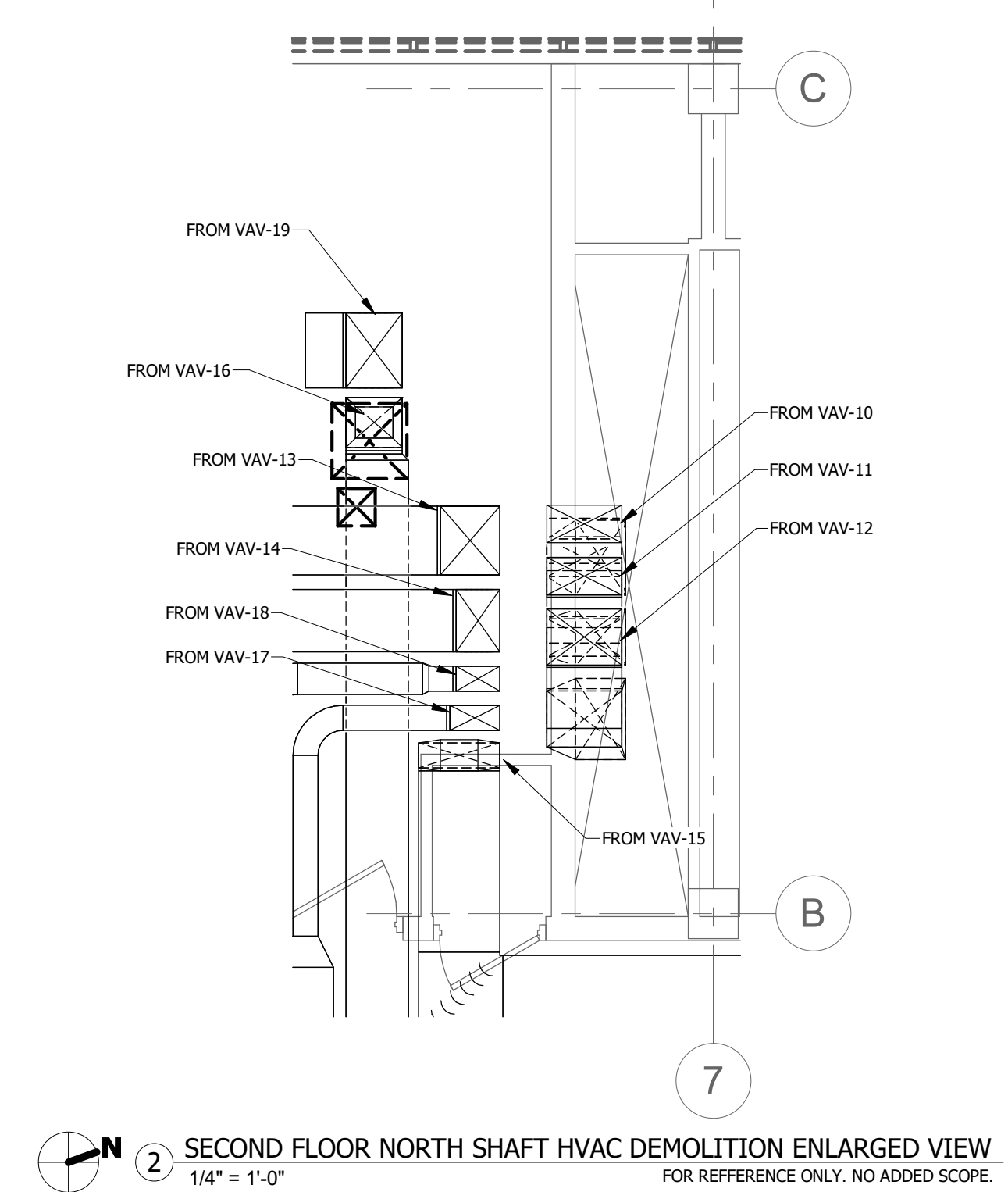
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- C. REFER TO SPECIFICATIONS AND OTHER SHEETS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- D. REMOVE ALL ELECTRICAL CONNECTIONS, WIRING, AND CONDUIT SERVING ALL MECHANICAL EQUIPMENT TO BE REMOVED.
- E. MAINTAIN FIRE RATINGS OF AFFECTED WALLS AND FLOORS.
- F. EXISTING MECHANICAL AND ELECTRICAL SYSTEMS LOCATED IN WALLS AND CHASES NOT BEING REMOVED OR REUSED FOR NEW SYSTEMS MAY BE ABANDONED IN PLACE. CAP AT MAINS OR IN A CONCEALED LOCATION IF REQUIRED.
- G. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS ON FLOOR CUTTING AND CEILING REMOVAL. CONTRACTOR SHALL COORDINATE WORK TO BE CONSISTENT WITH SCOPE OF GENERAL CONTRACTOR'S DEMOLITION.

DEMOLITION REFERENCED NOTES:

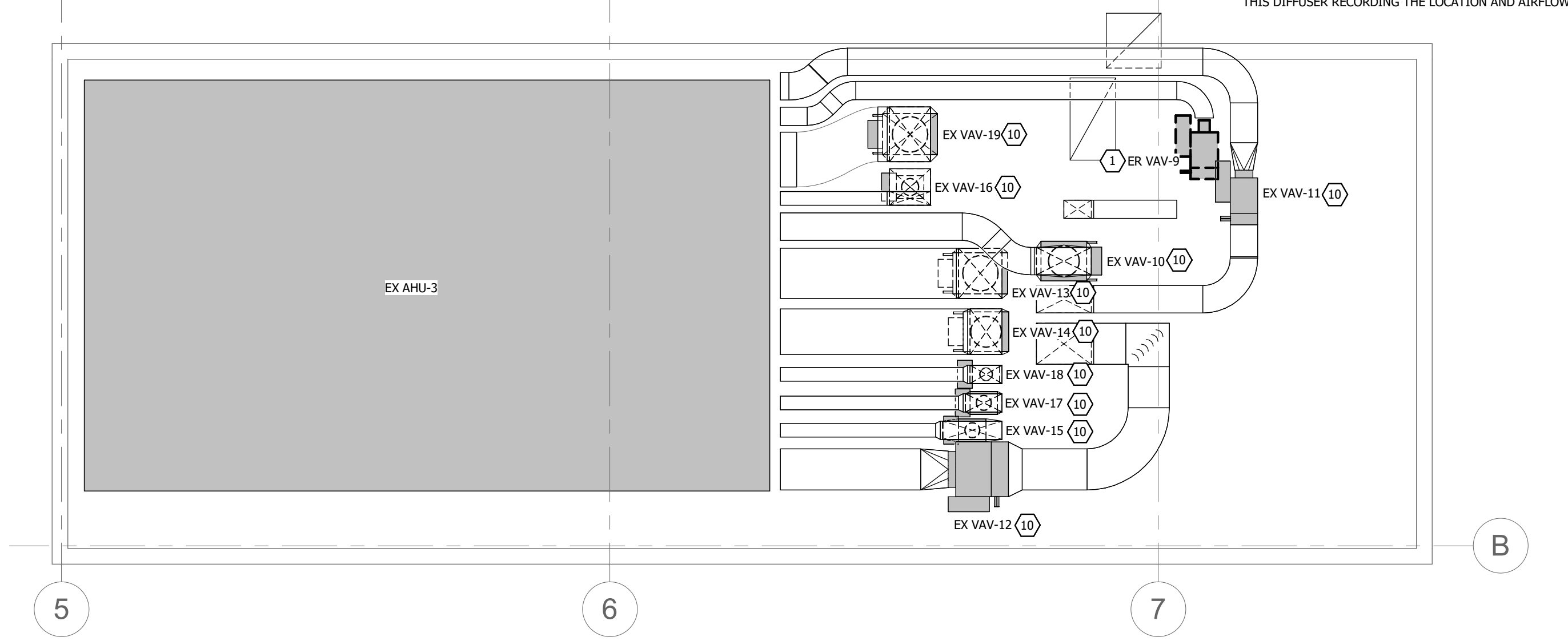
- (NOT ALL NOTES MAY BE USED ON THIS SHEET)
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 3. REMOVE EXISTING CONTROL VALVE. MODIFY PIPING AS NECESSARY TO REPLACE THE VALVE AS SHOWN ON MECHANICAL PLANS.
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 5. REMOVE AND LAWFULLY DISPOSE OF EXISTING LOUVER. LOUVER SHALL NOT BE REMOVED UNTIL EXTERIOR WALL SYSTEM IS ABOUT TO BE REMOVED. PROTECT OPENING WITH BIRDSCREEN UNTIL NEW LOUVER CAN BE INSTALLED WITH NEW CURTAIN WALL SYSTEM. COORDINATE WORK WITH GENERAL CONTRACTOR. COORDINATE SHUTDOWN OF ASSOCIATED HVAC EQUIPMENT WITH OWNER PRIOR TO COMMENCING ON WORK.
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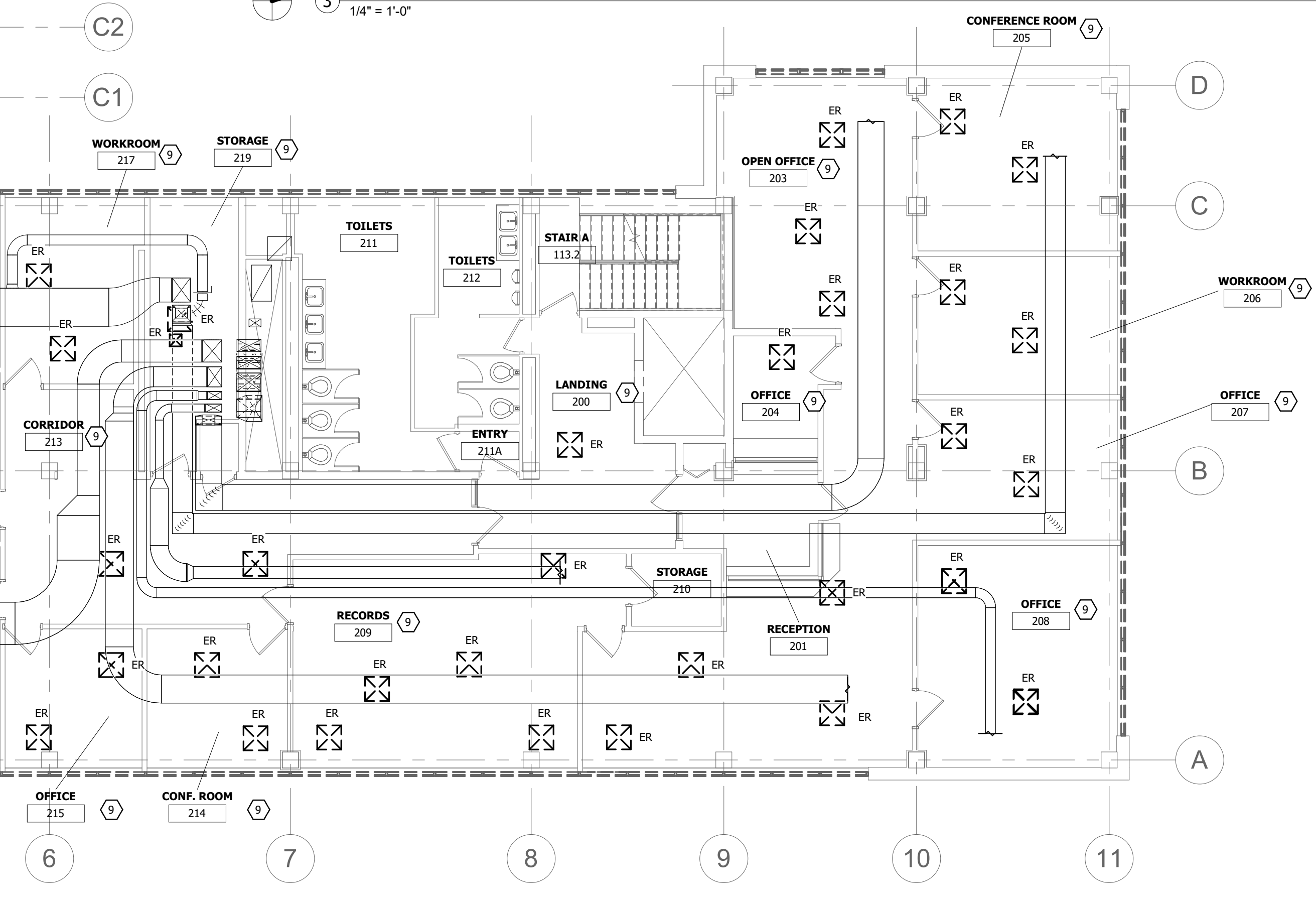
1 SECOND FLOOR HVAC DEMOLITION PLAN
1/8" = 1'-0"



2 SECOND FLOOR NORTH SHAFT HVAC DEMOLITION ENLARGED VIEW
1/4" = 1'-0"



3 ROOF PENTHOUSE HVAC DEMOLITION PLAN
1/4" = 1'-0"



1 SECOND FLOOR HVAC DEMOLITION PLAN
1/8" = 1'-0"

Client Name
CLINTON COUNTY

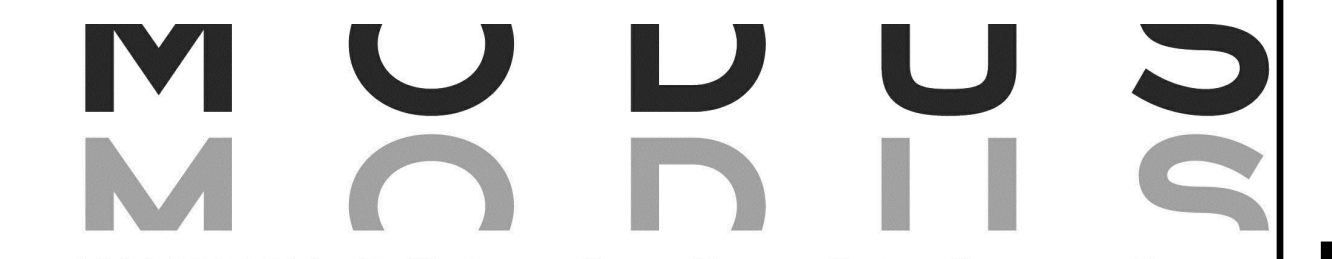
Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

Revisions	Rev	Description	Date
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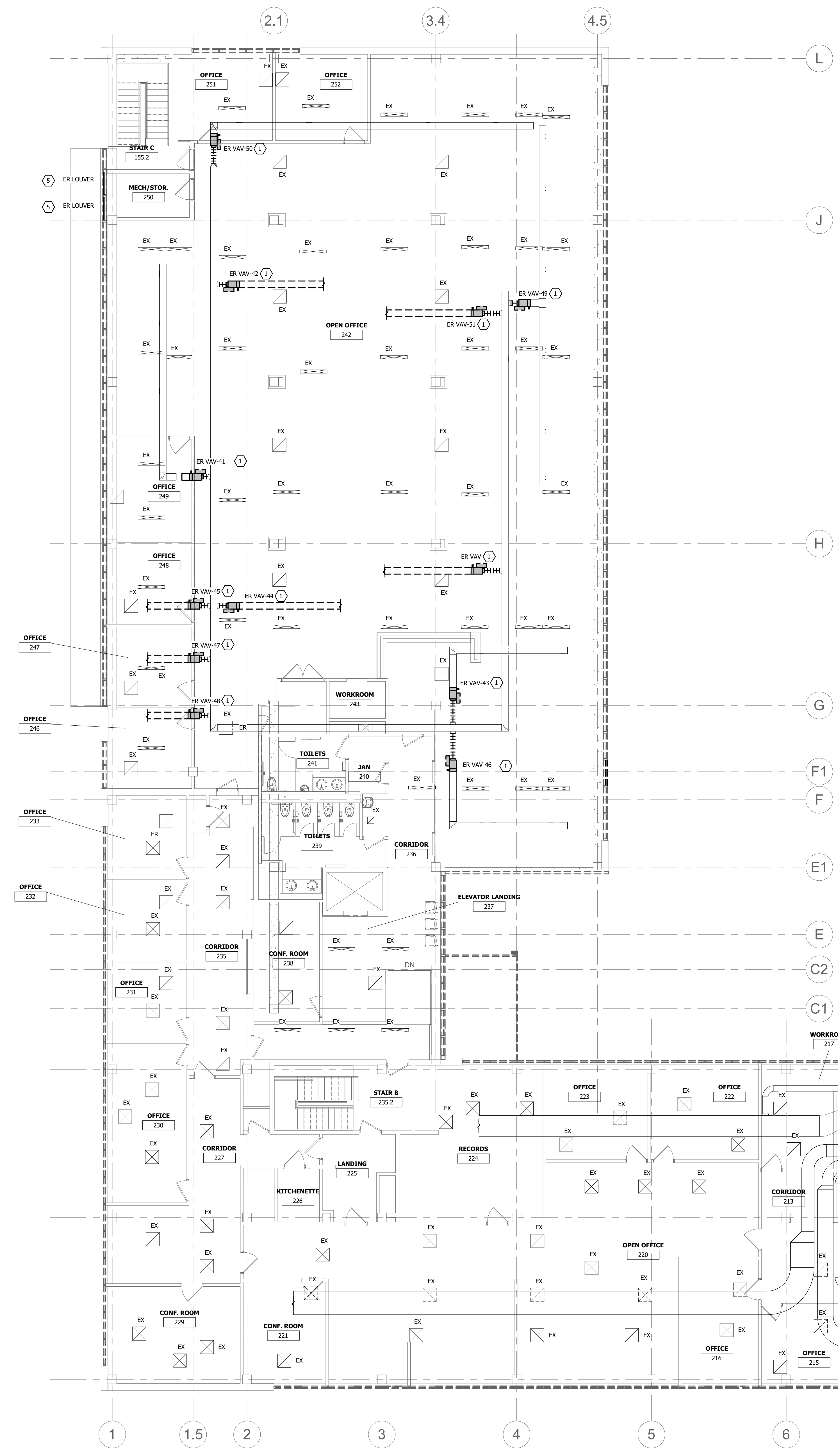
Project Number: 22072
Project Manager: MEM
Issued for Bidding: 02-13-2024
Issued for Construction:
Approved: [Signature]
All numbers based on: 20x12, 1/4" sheet size.

Sheet Title
**SECOND FLOOR
HVAC
DEMOLITION
PLAN**

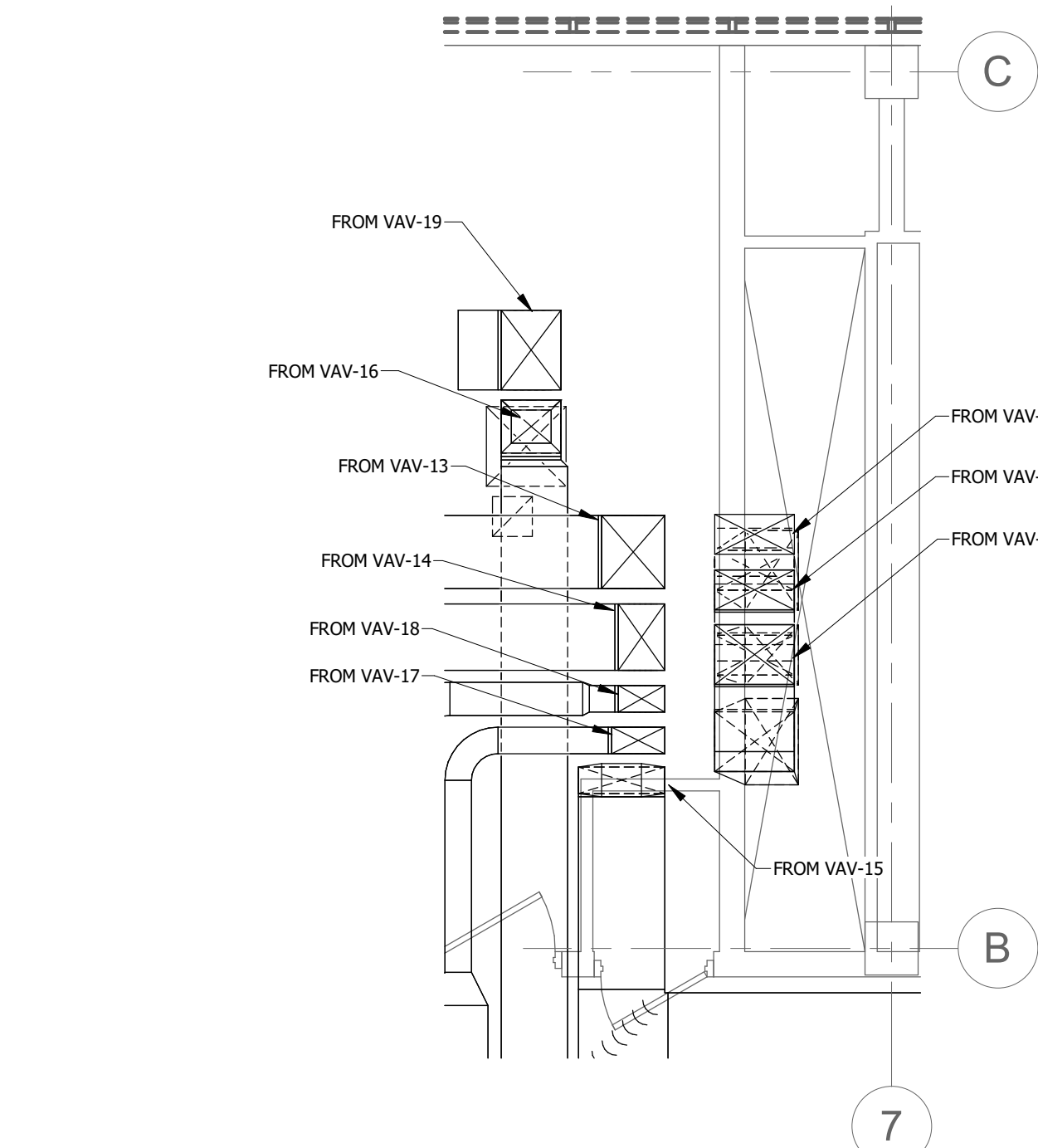


WATERLOO | DES MOINES | IOWA CITY
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WATERLOO, IOWA DES MOINES, IOWA IOWA CITY, IOWA
(319)235-0650 (515)251-7280 (319)248-4600

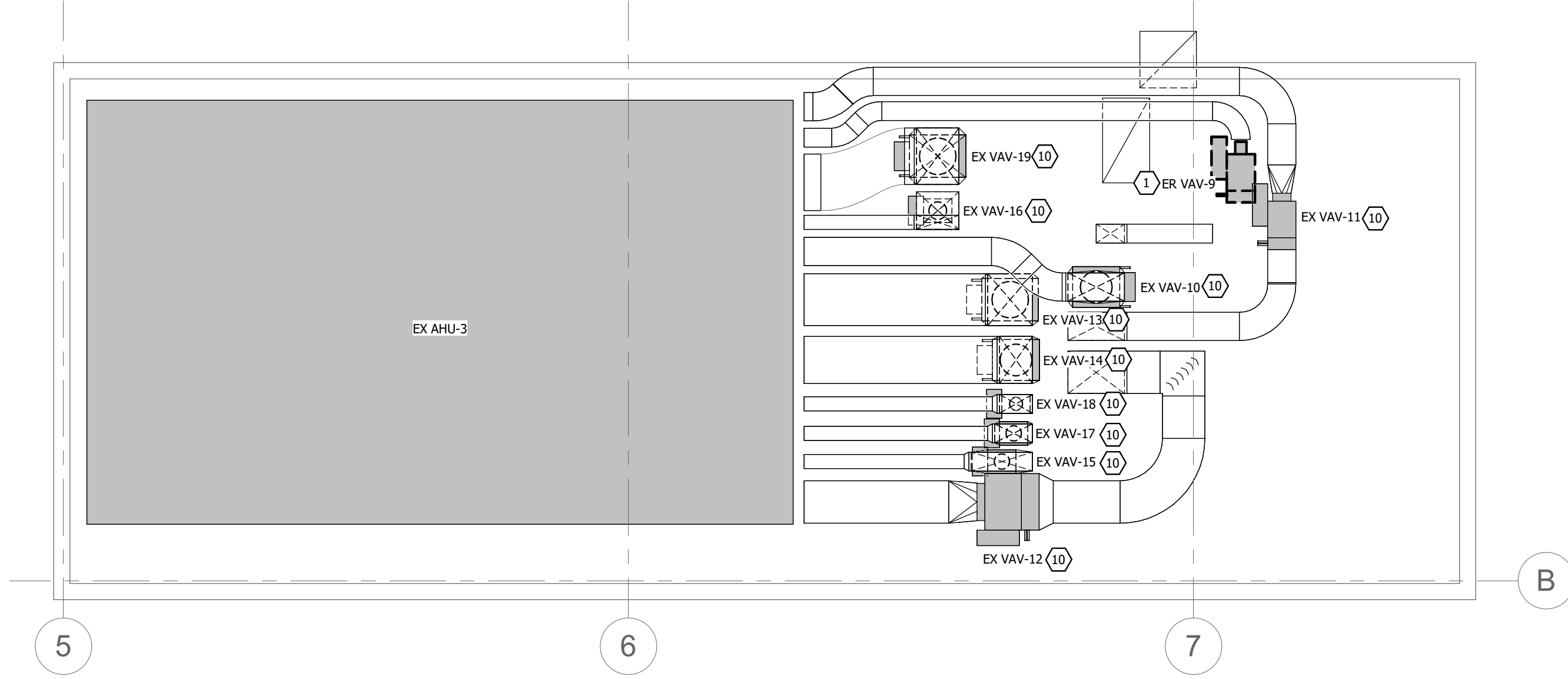
MD102



1 SECOND FLOOR HVAC DEMOLITION DEDUCT ALTERNATE #1 PLAN
1/8" = 1'-0"



2 SECOND FLOOR NORTH SHAFT HVAC DEMOLITION DEDUCT ALTERNATE #1 ENLARGED VIEW
1/4" = 1'-0"
FOR REFERENCE ONLY. NO ADDED SCOPE.



3 ROOF PENTHOUSE HVAC DEMOLITION DEDUCT ALTERNATE #1 PLAN
1/4" = 1'-0"

- DEMOLITION GENERAL NOTES:**
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- DEMOLITION REFERENCED NOTES: (7)**
(NOT ALL NOTES MAY BE USED ON THIS SHEET)
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Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

Revisions	Rev	Description	Date
	1	Issued for Bidding	02-13-2024
	2	Issued for Construction	

Project Number: 22072
Project Manager: MEM
Issued for Construction
20240218 09:13 AM
All numbers based on: 2024.02.13.09:13 AM

Sheet Title
**SECOND FLOOR
HVAC
DEMOLITION
PLAN - DEDUCT
ALTERNATE #1**



WATERLOO | DES MOINES | IOWA CITY
214 EAST 4TH ST. | 130 EAST 3RD ST. | 118 EAST COLLEGE ST.
WATERLOO, IOWA | DES MOINES, IOWA | IOWA CITY, IOWA
(319)235-0650 | (515)251-7280 | (319)248-4600

MD102A



1 GROUND FLOOR MECHANICAL PIPING DEMOLITION PLAN
1/8" = 1'-0"

DEMOLITION GENERAL NOTES:

- A. DEMOLITION DRAWINGS ARE BASED ON EXISTING AVAILABLE DRAWINGS AND CASUAL FIELD OBSERVATION. MECHANICAL AND ELECTRICAL CONTRACTORS SHALL FIELD VERIFY THE SITE AND INCLUDE ALL REQUIRED DEMOLITION IN THE BID.
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DEMOLITION REFERENCED NOTES: (1)

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Client Name
CLINTON COUNTY

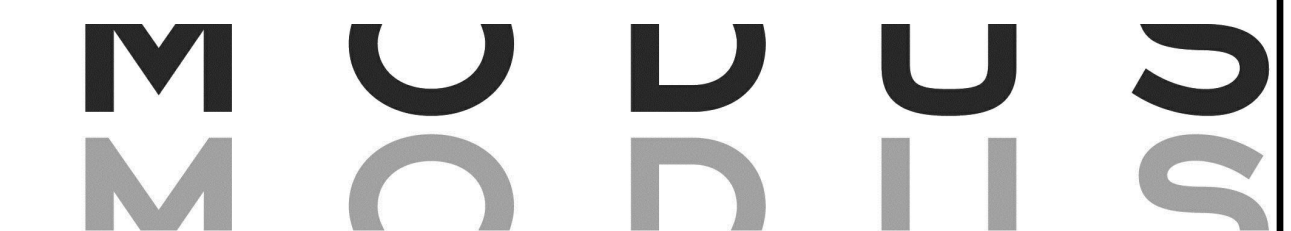
Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

Revisions	Rev	Description	Date
	1	Project Number 22072	02-13-2024
	2	Issued for Bidding	02-13-2024
	3	Project Manager MEM	Issued for Construction

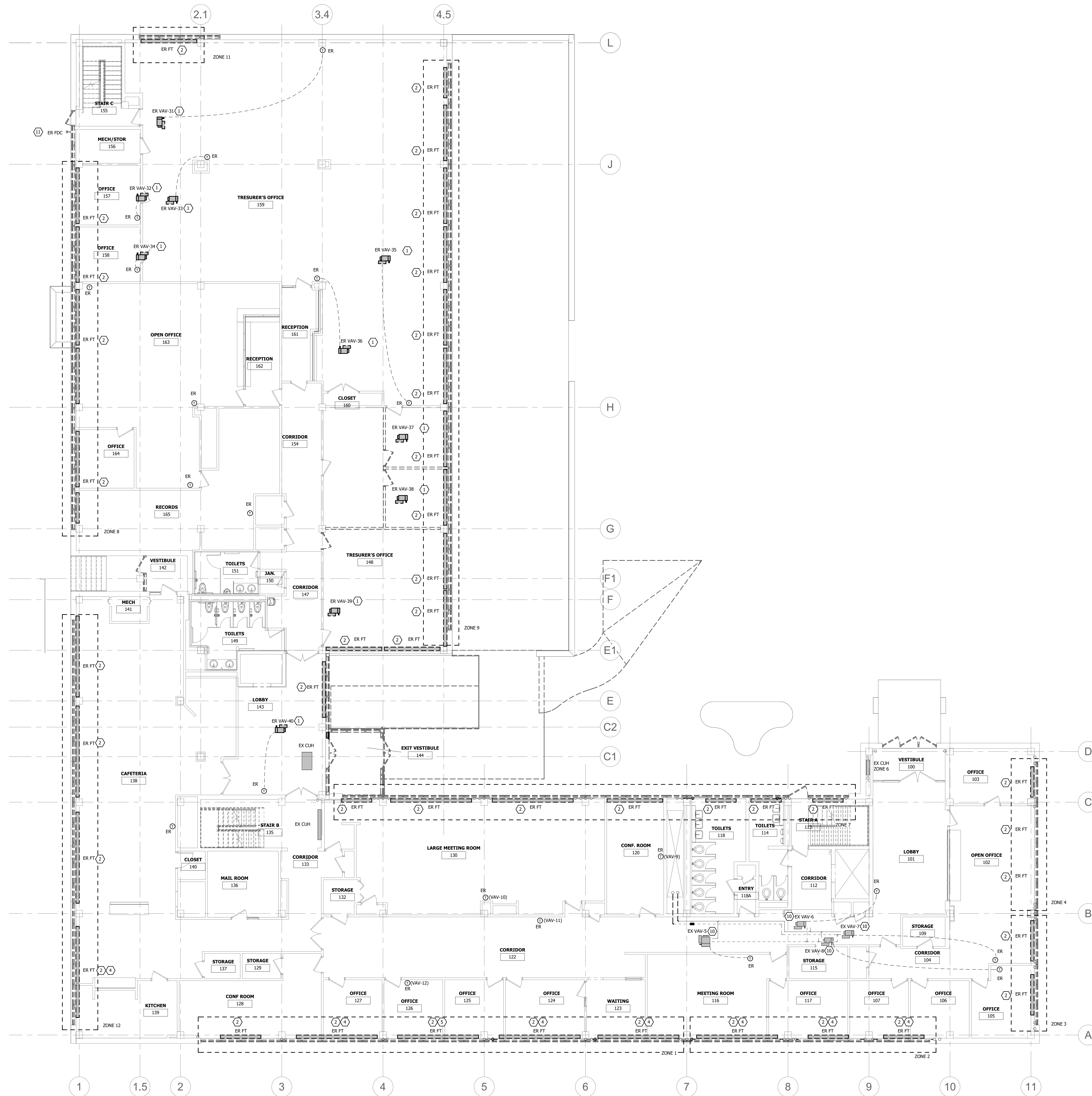
Sheet Title

GROUND FLOOR
PIPING
DEMOLITION
PLAN



WATERLOO | DES MOINES | IOWA CITY
214 EAST 4TH ST. | 130 EAST 3RD ST. | 118 EAST COLLEGE ST.
WATERLOO, IOWA | DES MOINES, IOWA | IOWA CITY, IOWA
(319)235-0650 | (515)251-7280 | (319)248-4600

MD200



1 FIRST FLOOR MECHANICAL PIPING DEMOLITION PLAN
1/8" = 1'-0"

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Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION BUILDING - ADDITION & ALTERATIONS

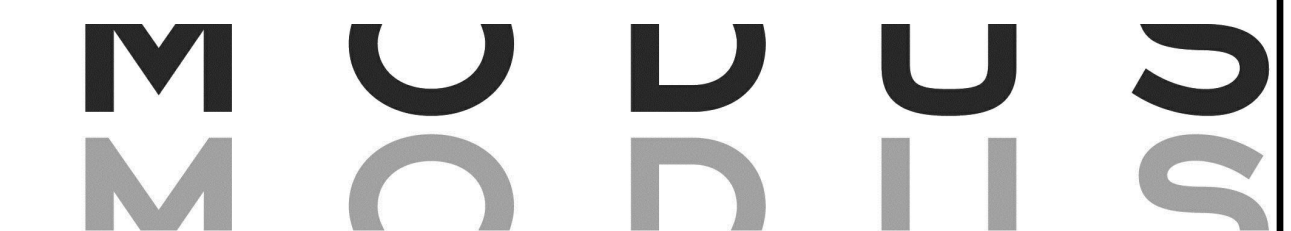
Location / Description
1900 N. 3RD ST. CLINTON, IA 52732

Revisions	Rev	Description	Date
	1	Issued for Bidding	02-13-2024
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Project Number: 22072
Project Manager: MEM
Issued for Bidding: 02-13-2024
Issued for Construction: [Blank]
Approved: [Blank]
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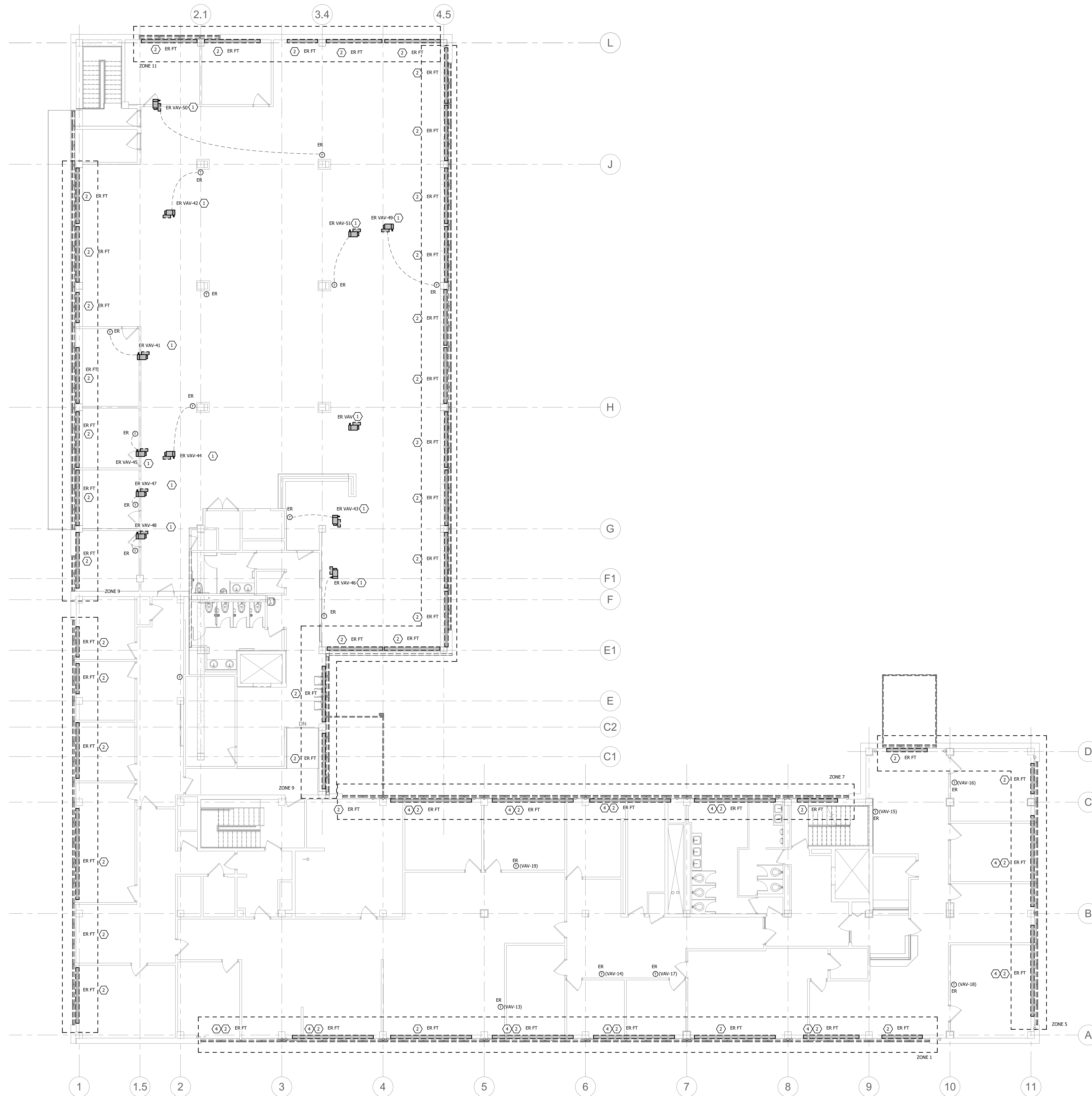
Sheet Title

FIRST FLOOR PIPING DEMOLITION PLAN



WATERLOO | DES MOINES | IOWA CITY
214 EAST 4TH ST. | 130 EAST 3RD ST. | 118 EAST COLLEGE ST.
WATERLOO, IOWA | DES MOINES, IOWA | IOWA CITY, IOWA
(319)235-0650 | (515)251-7280 | (319)248-4600

MD201



1 SECOND FLOOR MECHANICAL PIPING DEMOLITION PLAN
1/8" = 1'-0"

DEMOLITION GENERAL NOTES:

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- 7. REMOVE SECTION OF DUCTWORK. RETAIN CONNECTED BRANCH DUCTWORK TO THE GREATEST EXTENT PRACTICABLE.
- 8. REMOVE EXISTING ZONE CONTROL DAMPER AND ASSOCIATED CONTROLS. ASSOCIATED DUCTWORK SHALL BE REMOVED AS SHOWN.
- 9. **BASE BID:** REMOVE DIFFUSERS IN THIS SPACE AS SHOWN AND THEIR ASSOCIATED FLEX DUCTS. **DUCT ALTERNATE #1:** THIS SCOPE OF WORK SHALL NOT BE PERFORMED.
- 10. REMOVE CONTROLS FROM EXISTING VAV BOX, THERMOSTAT, AND ASSOCIATED WIRING. REMOVE CONTROL VALVE AND ASSOCIATED ACTUATOR. VAV BOX SHALL BE EXISTING TO REMAIN. REMOVE VAV BOX'S INTERNAL FLOW SENSOR.
- 11. REMOVE EXISTING FIRE ALARM STROBE AND FIRE DEPARTMENT CONNECTION FROM ABANDONED SPRINKLER SYSTEM. CAP THE FDC LINE INSIDE THE BUILDING.
- 12. REMOVE EXISTING CABINET UNIT HEATER AND ALL ASSOCIATED POWER AND CONTROLS.
- 13. **BEFORE DEMOLITION BEGINS:** PERFORM PRETAB MEASUREMENTS ON THIS DIFFUSER RECORDING THE LOCATION AND AIRFLOW.

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

Revisions	Rev	Description	Date
	1	Project Number 22072 Project Manager MEM	02-13-2024
	2	Issued for Bidding Issued for Construction	02-13-2024

Approved: [Signature] 20240213 10:02 AM
All scales based on 3/4" = 1'-0" unless noted.

Sheet Title

SECOND FLOOR
MECHANICAL
DEMOLITION
PLAN



WATERLOO | DES MOINES | IOWA CITY
214 EAST 4TH ST. 130 EAST 3RD ST. 118 EAST COLLEGE ST.
WATERLOO, IOWA DES MOINES, IOWA IOWA CITY, IOWA
(319)235-0650 (515)251-7280 (319)248-4600

MD202



1 GROUND FLOOR HVAC PLAN
1/8" = 1'-0"

GENERAL HVAC NOTES:

- A. LAYOUT AND ROUTING SHOWN IS DIAGRAMMATIC AND SCHEMATIC IN NATURE. NOT ALL OFFSETS MAY BE SHOWN. CONTRACTOR SHALL VERIFY EXACT ROUTING REQUIRED AND NUMBER OF OFFSETS AND TRANSITIONS.
- B. MAINTAIN SERVICE CLEARANCE IN FRONT OF AND ABOVE ELECTRICAL EQUIPMENT AND ACCESS. DO NOT INSTALL EQUIPMENT OR ROUTE DUCTS IN CLEARANCE SPACE. REFER TO EQUIPMENT INSTALLATION AND INSTRUCTIONS.
- C. COORDINATE THERMOSTAT LOCATIONS WITH CASEWORK, WALL TYPES, AND FURNISHINGS PRIOR TO ROUGH-IN.
- D. PROVIDE VOLUME CONTROL BALANCING DAMPERS ON ALL SUPPLY, RETURN, EXHAUST AIR TRAPS IN ACCESSIBLE LOCATIONS FOR AIR BALANCING. INSTALL CABLE OPERATED DAMPER OR ACCESS PANEL IF DAMPER IS LOCATED ABOVE GYP CEILING.
- E. COORDINATE DUCT ROUTING WITH STRUCTURAL AND ALL TRADES.
- F. COORDINATE ALL EXPOSED DUCTWORK ROUTING WITH DESIGN TEAM PRIOR TO ROUGH-IN.
- G. COORDINATE SUPPLY, RETURN, AND EXHAUST GRILLE/DIFFUSER LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLAN AND ALL TRADES.
- H. COORDINATE DUCT ROUTING IN LOCATIONS WITH EXISTING CONDITIONS. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ROUGH-IN.
- I. REFER TO MECHANICAL PIPING SHEETS FOR LOCATIONS OF THERMOSTATS.

REFERENCED HVAC NOTES: (4)

- (NOT ALL NOTES MAY BE USED ON THIS SHEET)
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 2. PROVIDE NEW VAV BOX FLOW MEASURING RING FOR EXISTING VAV BOX.
 3. RECONNECT SUPPLY DUCTWORK.
 4. THE EXPOSED DUCT SERVING THE SECURITY OFFICE SHALL BE SPIRAL DUCT AND SHALL NOT BE INSULATED. REFER TO DETAIL 3/M101 FOR INTENDED ROUTING AND INSTALLATION HEIGHT.
 5. REBALANCE THIS DIFFUSER TO PROVIDE THE SAME AIRFLOW TO THE ROOM AS WAS RECORDED IN PRE TAB PRIOR TO DEMOLITION.
 6. BALANCE EXISTING DIFFUSER TO THE AIRFLOW SHOWN.
 7. PROVIDE NEW DIFFUSER AS SHOWN AND PROVIDE NEW FLEX DUCT.

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

Revisions	Rev	Description	Date
	1	Issued for Bidding	02-13-2024
	2	Issued for Construction	

Project Number: 22072
Project Manager: MEM
Issued for Construction
2024/02/13 8:25:29 AM
Approved: [Signature]
All scales based on: 3/4" = 1'-0", 1/4" = 1'-0"

Sheet Title

GROUND FLOOR
HVAC PLAN

M100



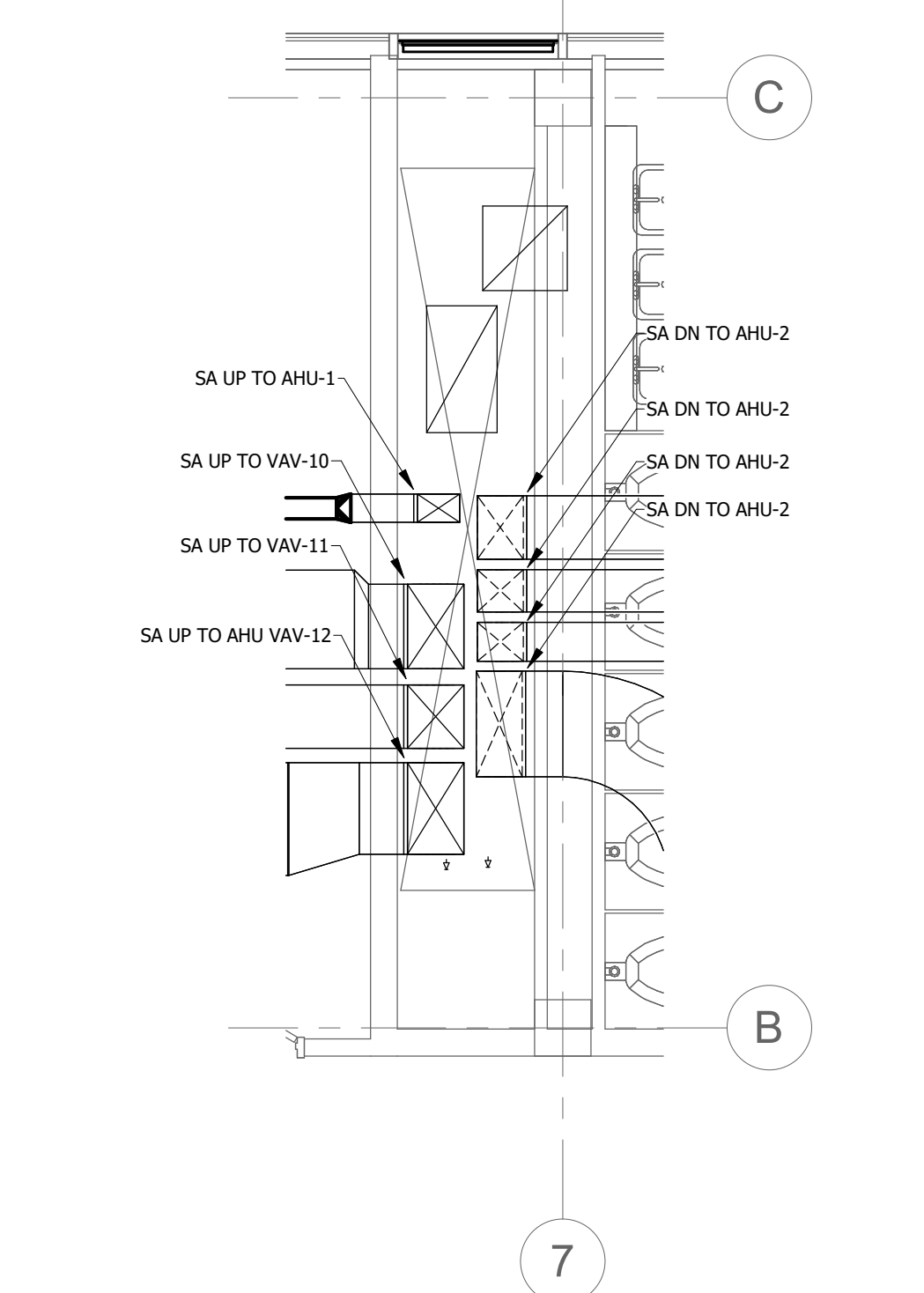
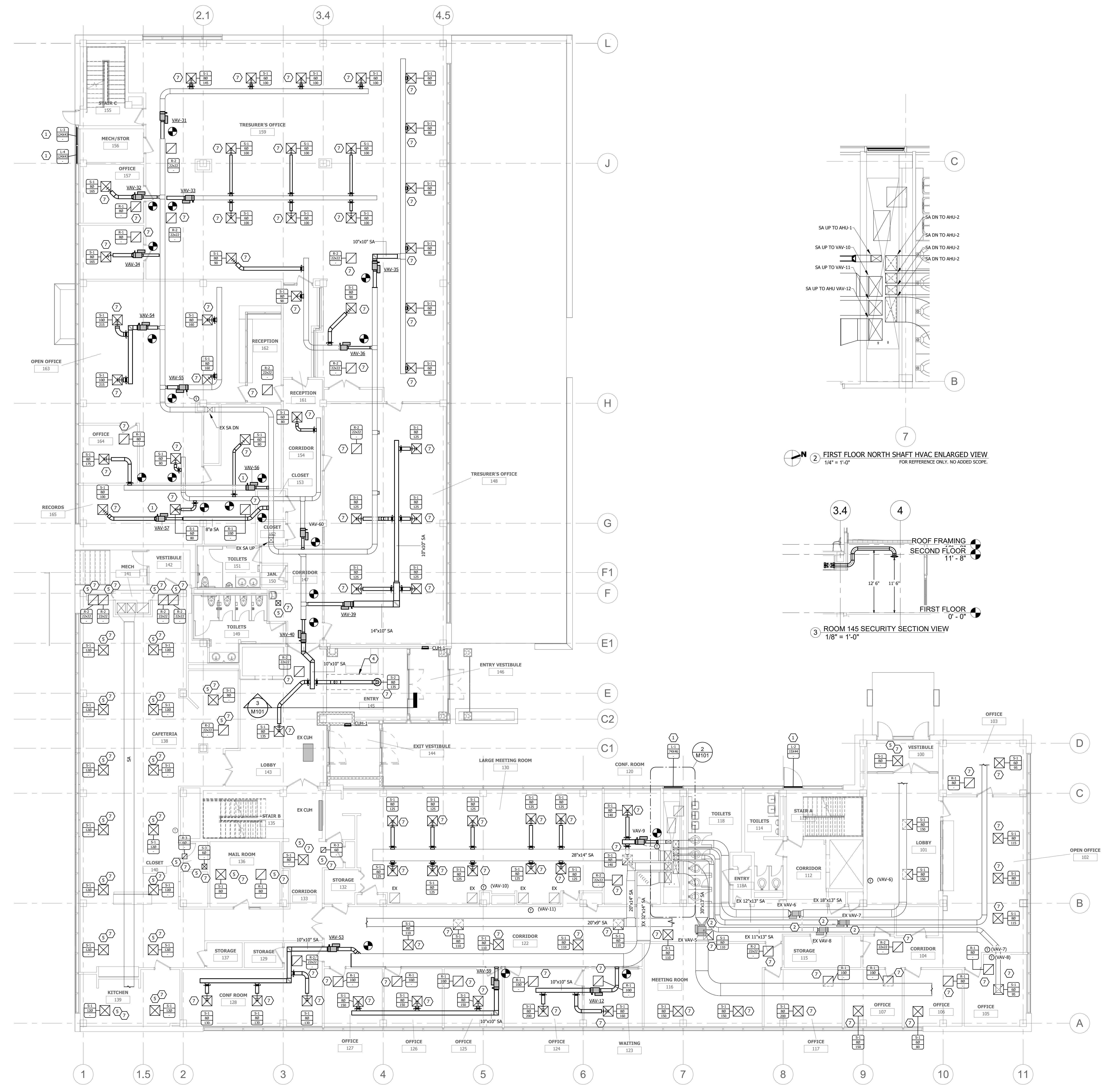
WATERLOO | DES MOINES | IOWA CITY
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WATERLOO, IOWA | DES MOINES, IOWA | IOWA CITY, IOWA
(319)235-0650 | (515)251-7280 | (319)248-4600

GENERAL HVAC NOTES:

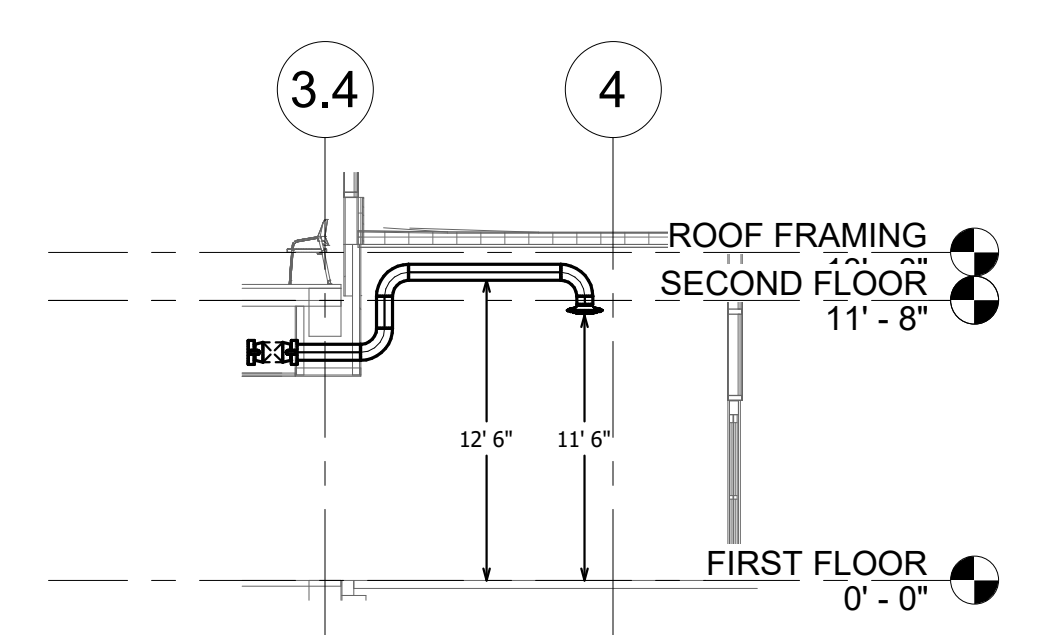
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2 FIRST FLOOR NORTH SHAFT HVAC ENLARGED VIEW
1/4" = 1'-0"
FOR REFERENCE ONLY. NO ADDED SCOPE.



3 ROOM 145 SECURITY SECTION VIEW
1/8" = 1'-0"

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

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

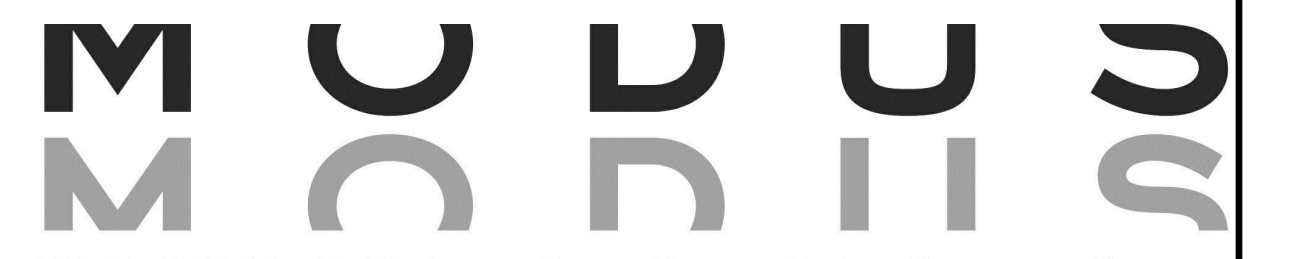
Revisions	Rev	Description	Date
	1	Issued for Bidding	02-13-2024
	2	Issued for Construction	

Project Number: 22072
Project Manager: MEM
Issued for Construction: MEM
Approved: [Signature]
Author: [Signature]
At scales based on: 3/4", 1/2", 3/8", 1/4", 3/16", 1/8", 1/16", 1/32"

Sheet Title

FIRST FLOOR
HVAC PLAN

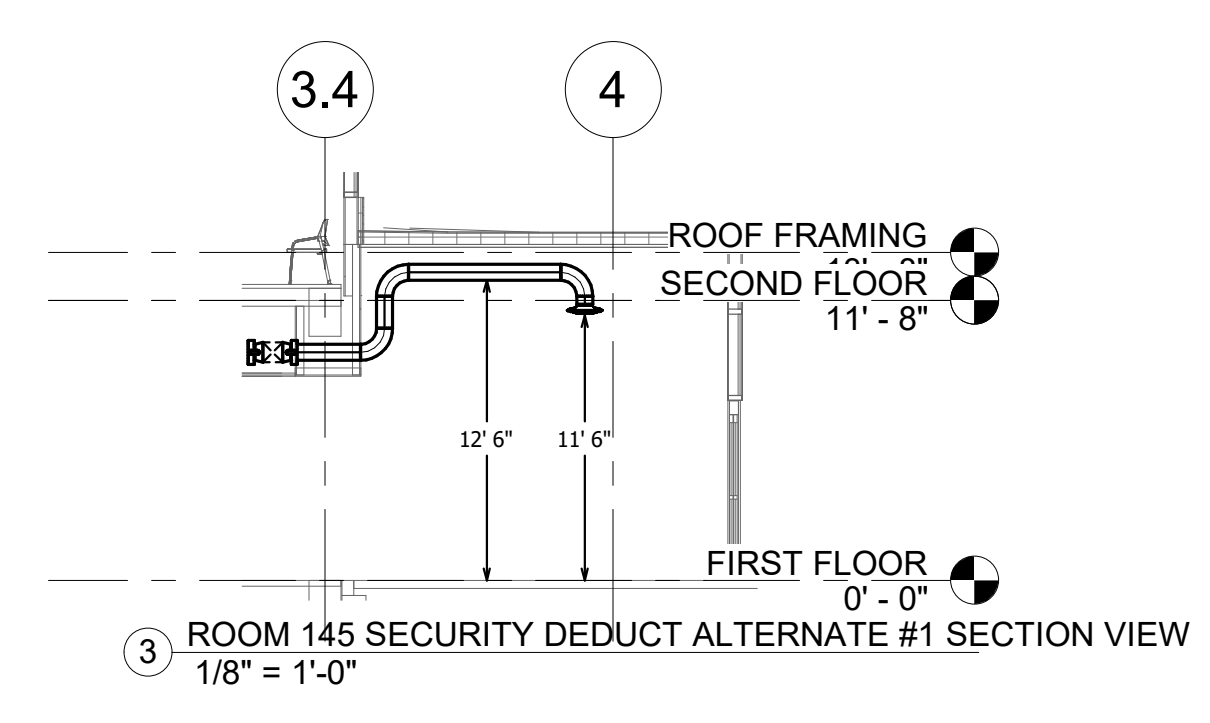
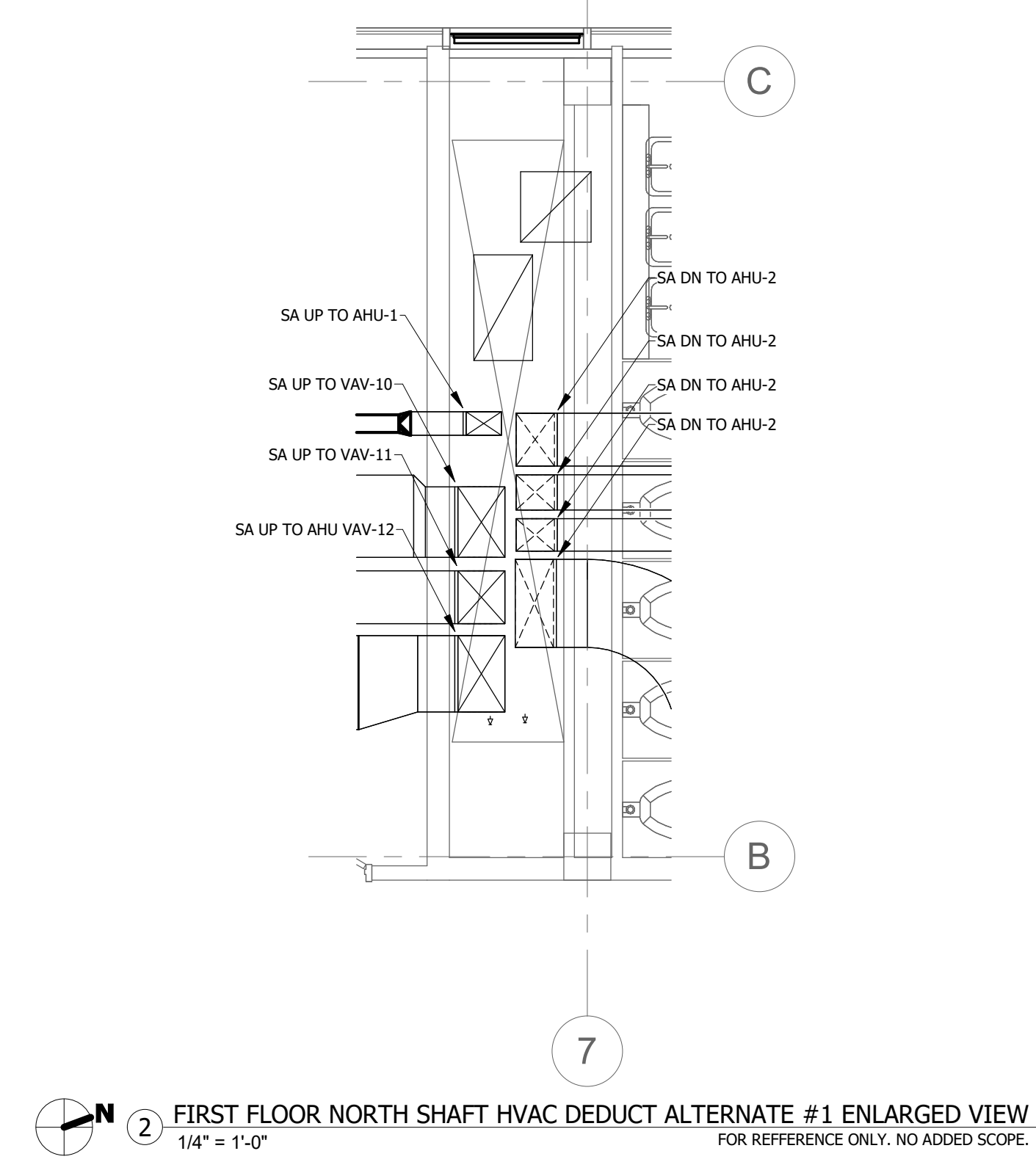
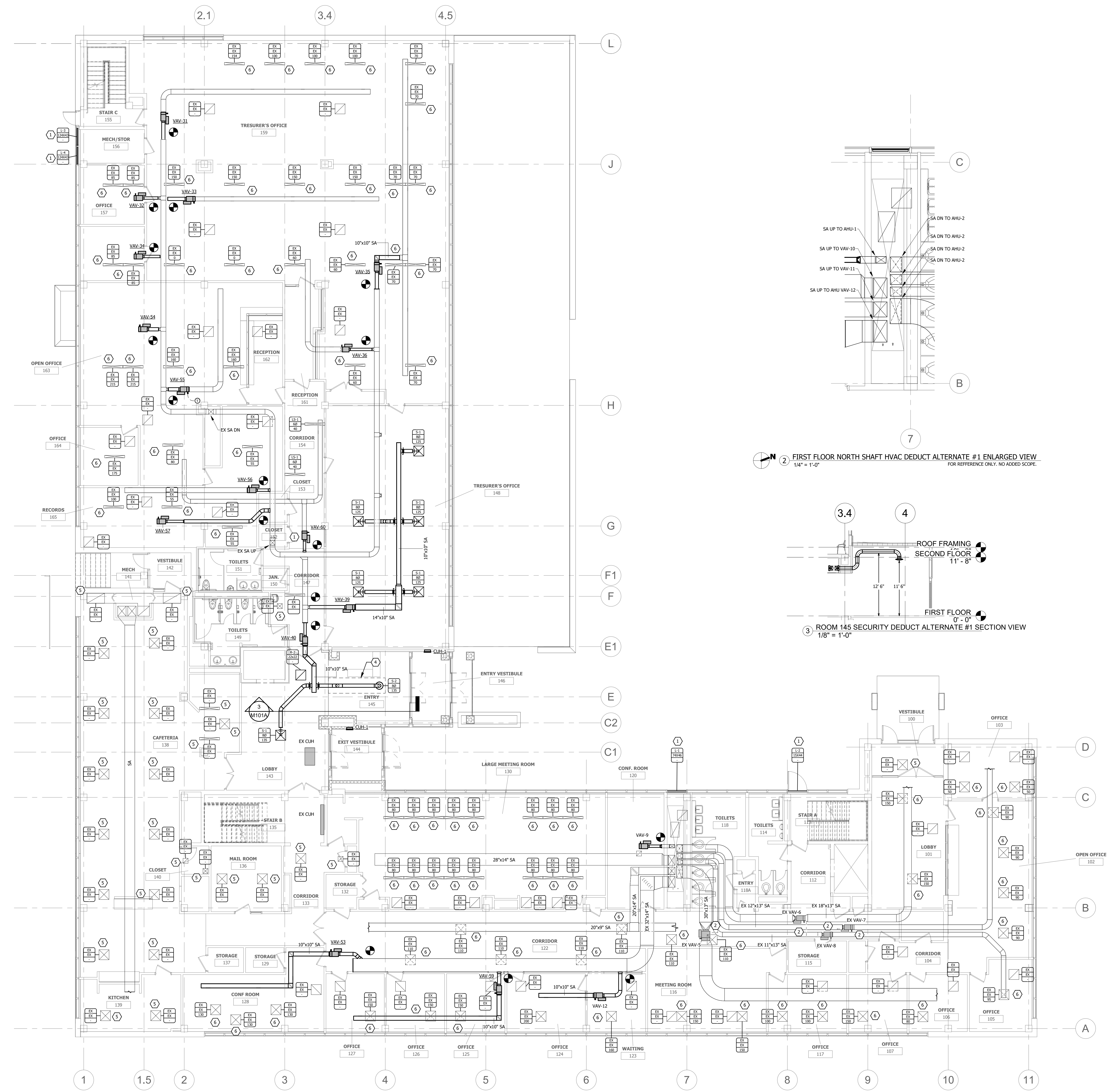
M101



WATERLOO | DES MOINES | IOWA CITY
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1 FIRST FLOOR HVAC DUCT ALTERNATE #1 PLAN
1/8" = 1'-0"

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
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Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

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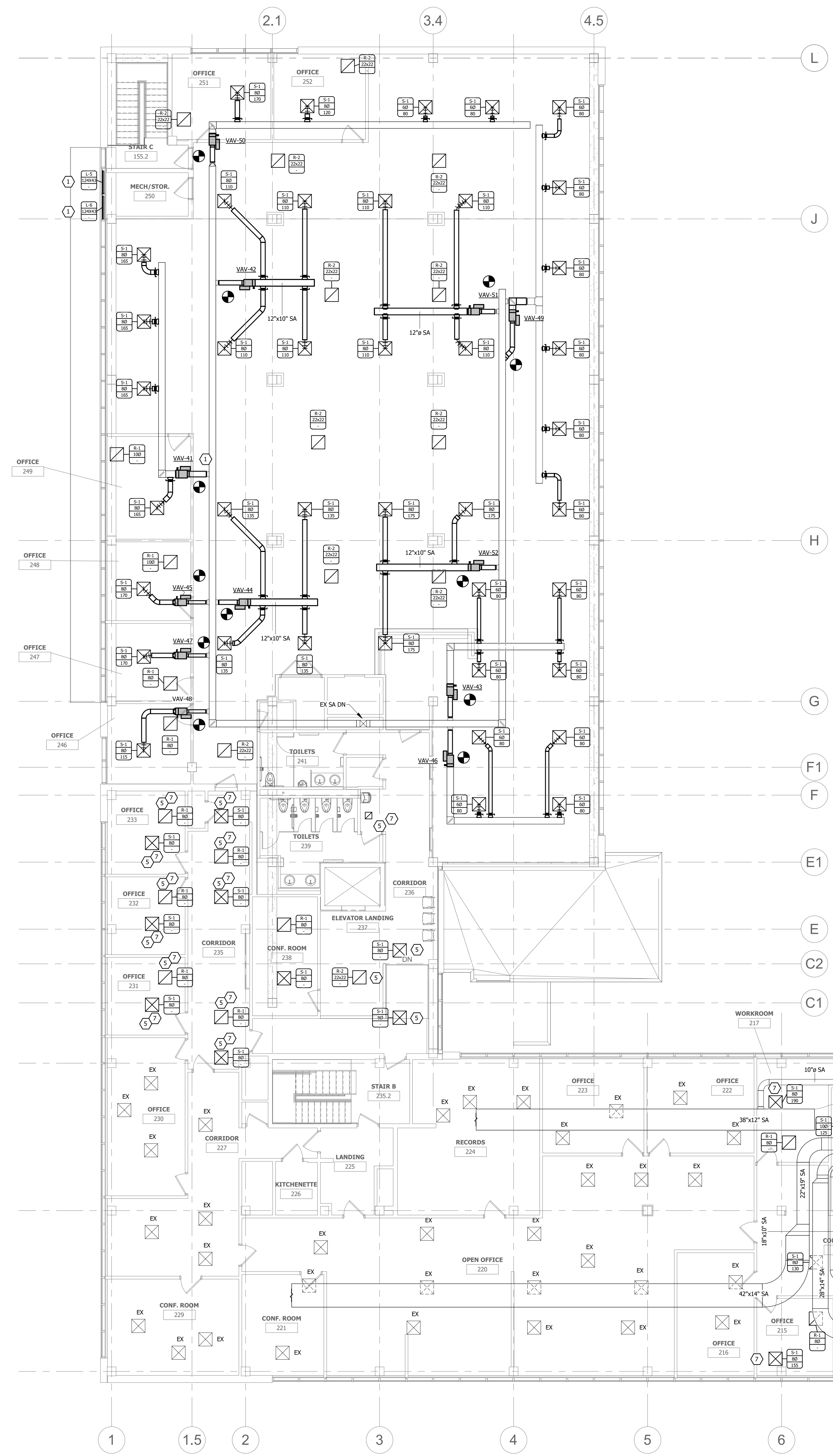
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**FIRST FLOOR
HVAC PLAN -
DUCT
ALTERNATE #1**

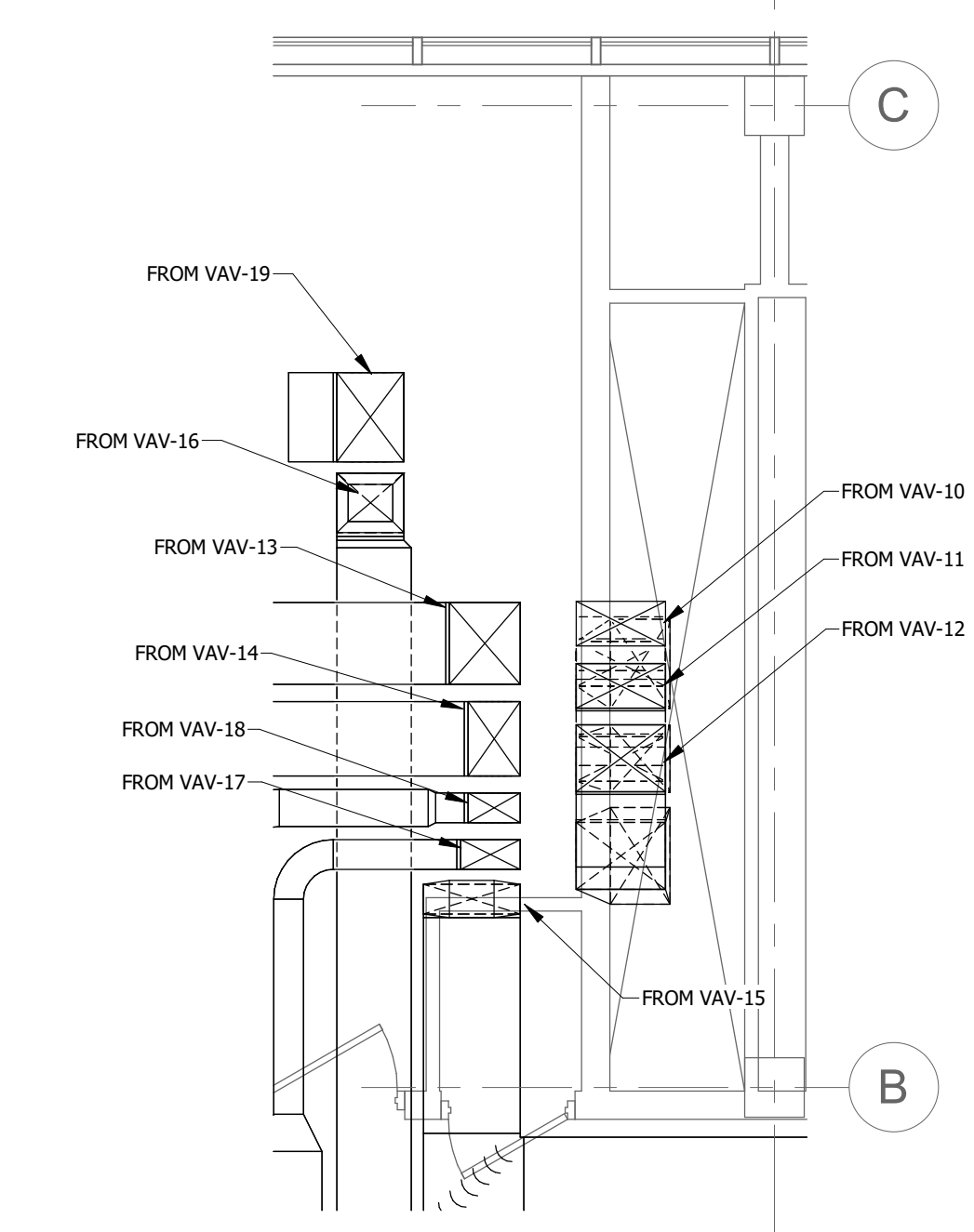


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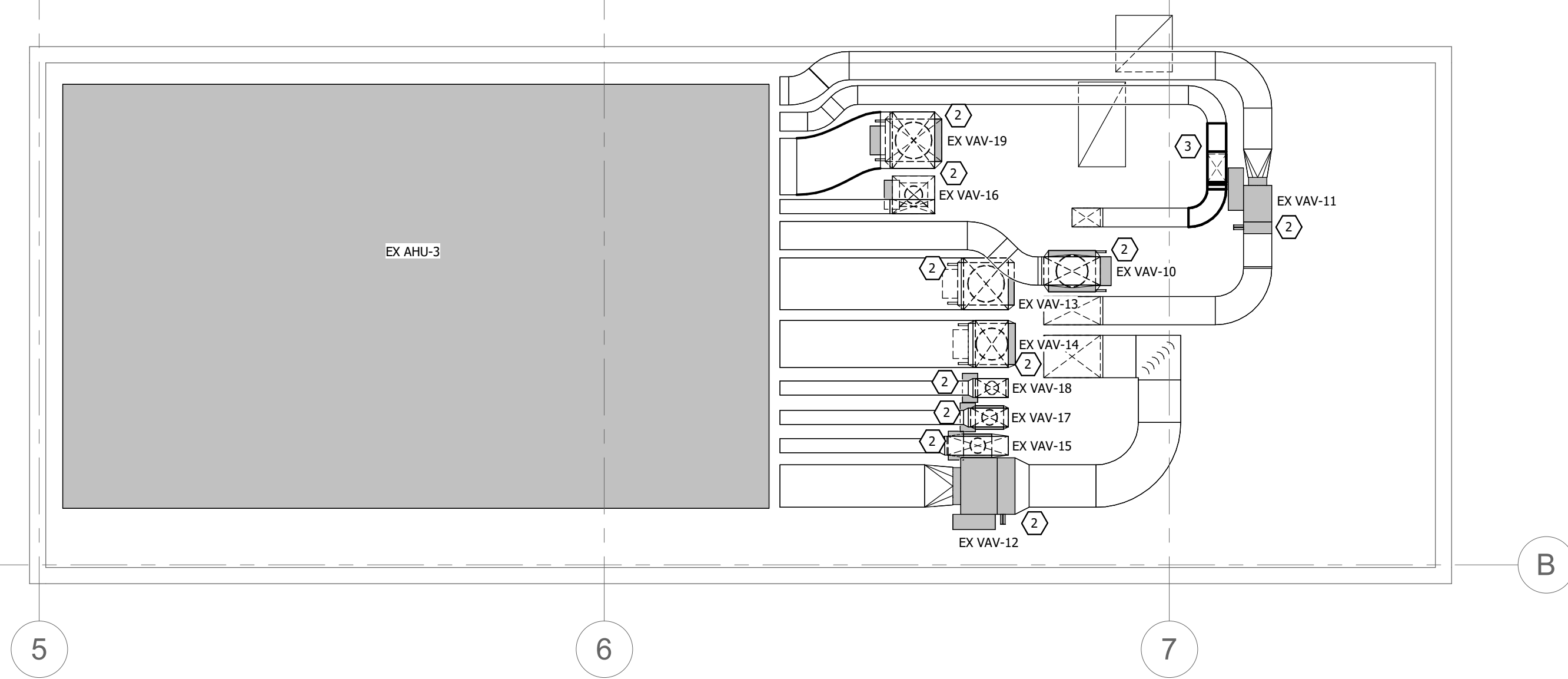
M101A



1 SECOND FLOOR HVAC PLAN
1/8" = 1'-0"



2 SECOND FLOOR NORTH SHAFT HVAC ENLARGED VIEW
1/4" = 1'-0"
FOR REFERENCE ONLY. NO ADDED SCOPE.



3 ROOF PENTHOUSE HVAC PLAN
1/4" = 1'-0"

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Client Name
CLINTON COUNTY

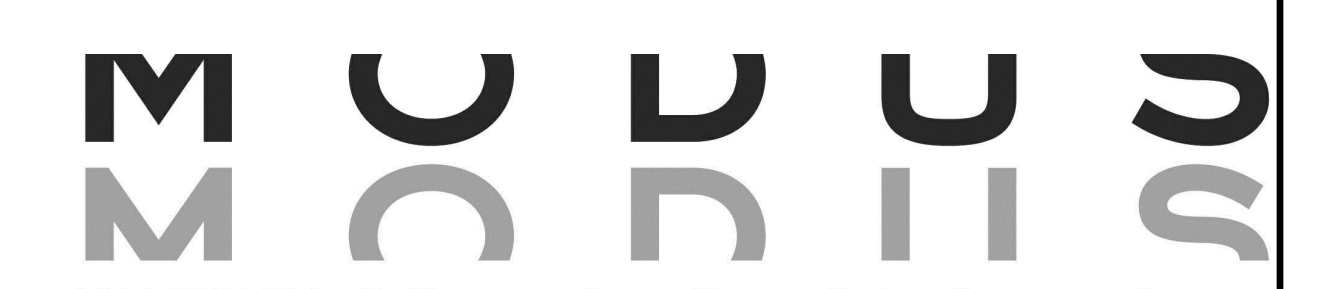
Project Name
ADMINISTRATION
BUILDING -
ADDITION &
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Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

Revisions	Rev	Description	Date
	1	Project Number 22072	02-13-2024
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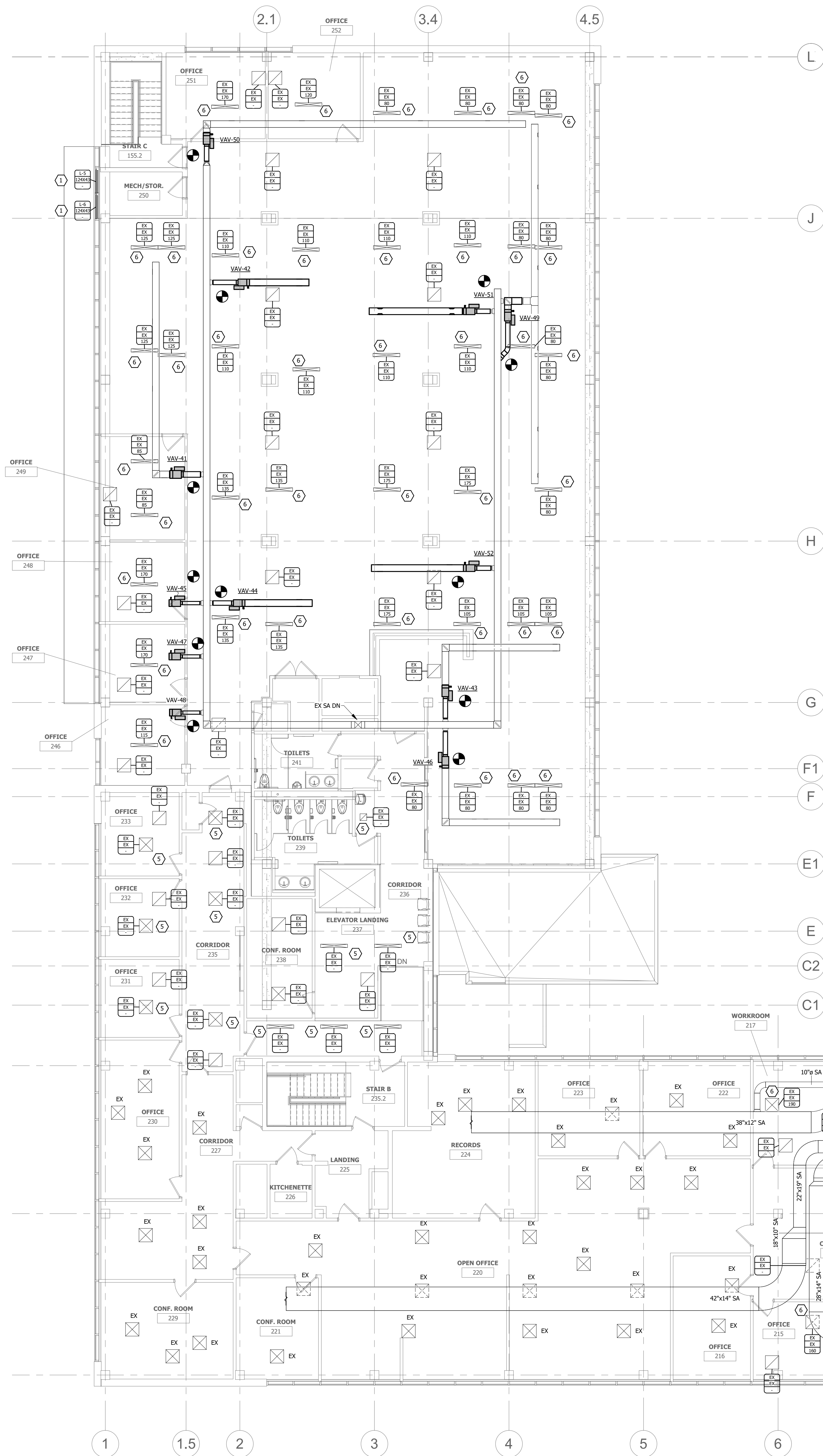
Sheet Title

SECOND FLOOR
HVAC PLAN

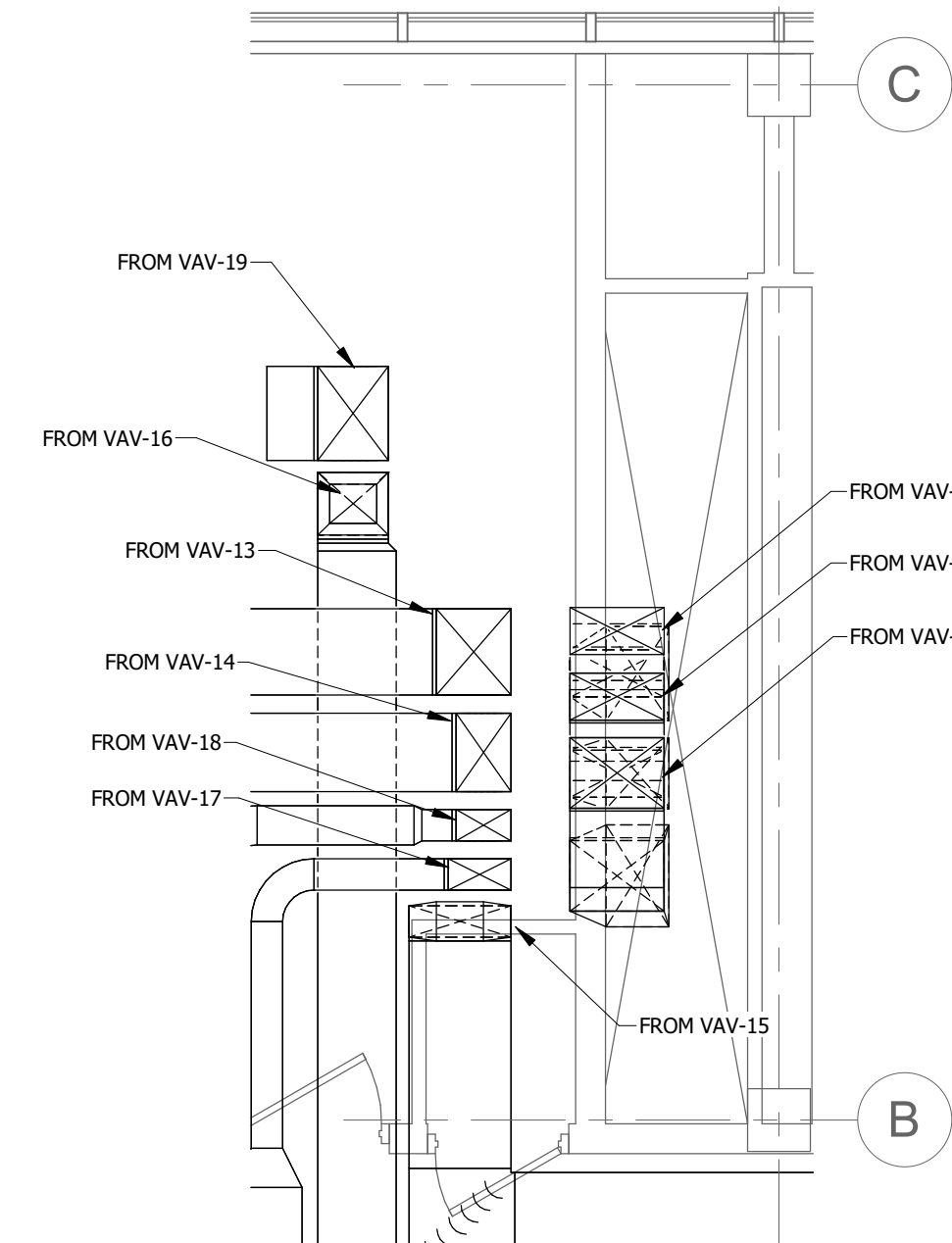


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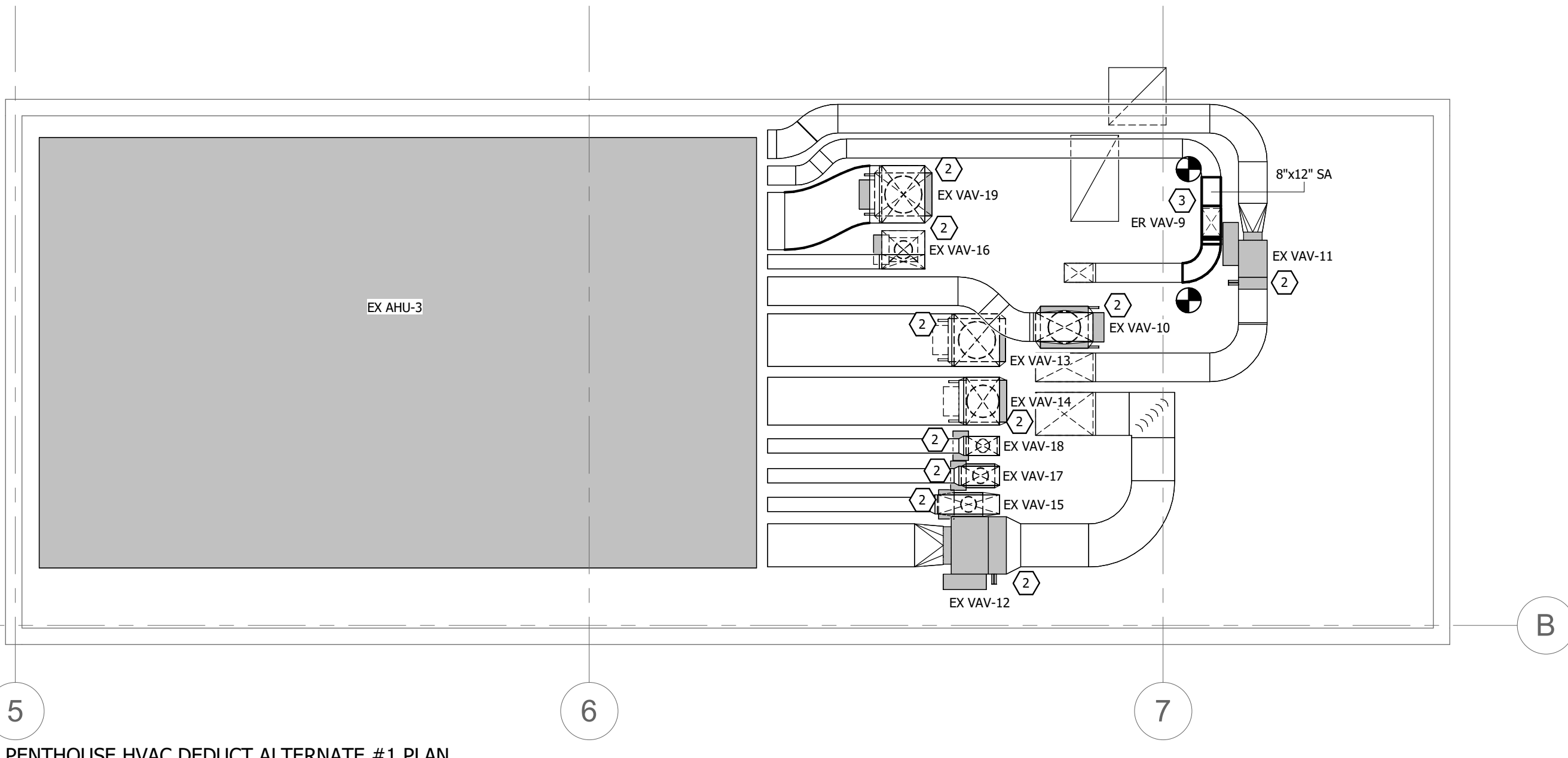
M102



1 SECOND FLOOR HVAC DEDUCT ALTERNATE #1 PLAN
1/8" = 1'-0"



2 SECOND FLOOR NORTH SHAFT HVAC DEDUCT ALTERNATE #1 ENLARGED VIEW
1/4" = 1'-0"
FOR REFERENCE ONLY. NO ADDED SCOPE.



3 ROOF PENTHOUSE HVAC DEDUCT ALTERNATE #1 PLAN
1/4" = 1'-0"

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Client Name
CLINTON COUNTY

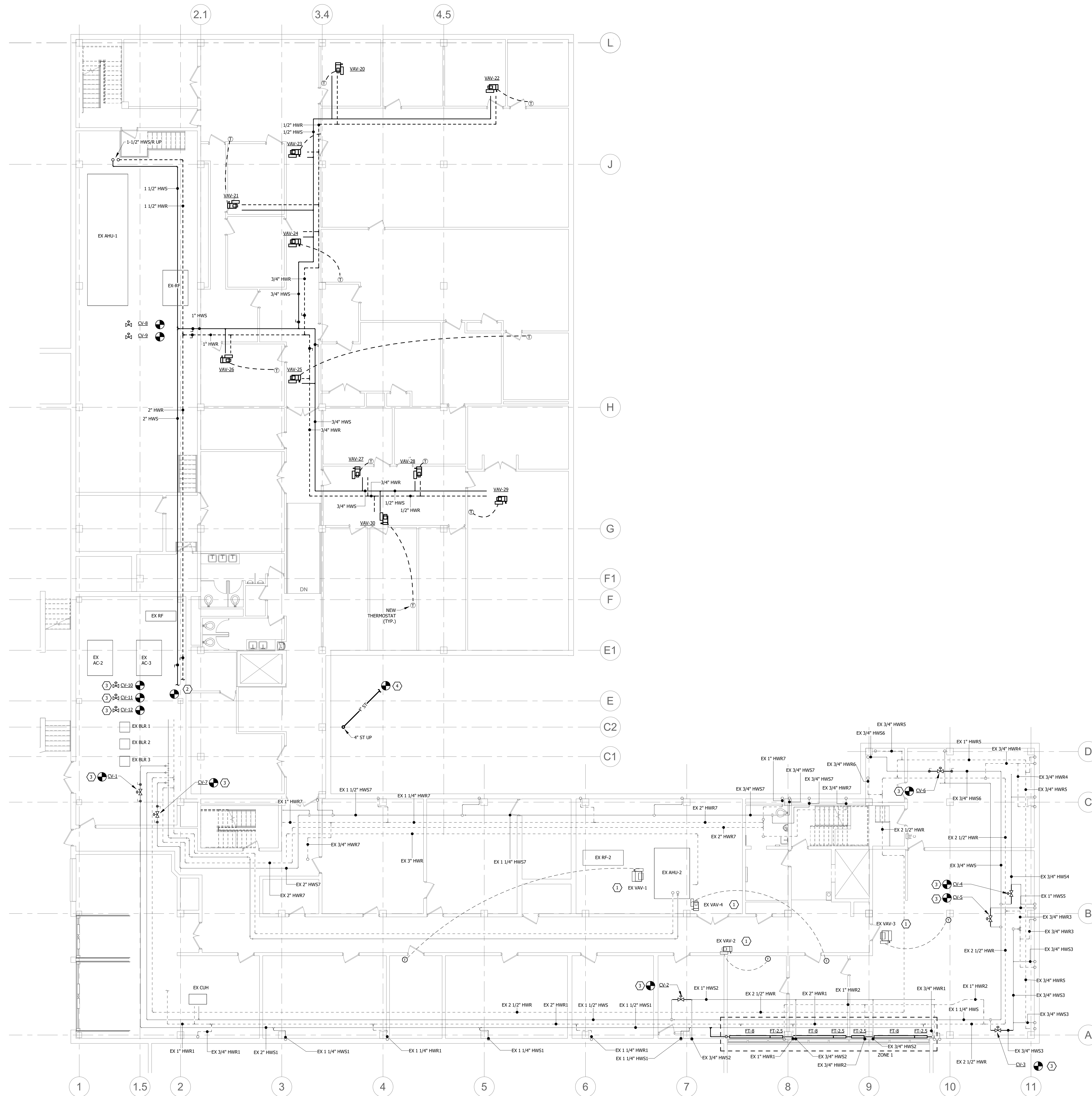
Project Name
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Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

Revisions	Rev	Description	Date
	22072	Issued for Bidding	02-13-2024
	MEM	Issued for Construction	

Approved: [Signature] Project Manager
Checked: [Signature] Designer
All numbers based on: 2024.02.13.14.15.16.17.18.19.20.21.22.23.24.25.26.27.28.29.30.31.32.33.34.35.36.37.38.39.40.41.42.43.44.45.46.47.48.49.50.51.52.53.54.55.56.57.58.59.60.61.62.63.64.65.66.67.68.69.70.71.72.73.74.75.76.77.78.79.80.81.82.83.84.85.86.87.88.89.90.91.92.93.94.95.96.97.98.99.100.

Sheet Title
**SECOND FLOOR
HVAC PLAN -
DEDUCT
ALTERNATE #1**



1 GROUND FLOOR MECHANICAL PIPING PLAN
1/8" = 1'-0"

GENERAL MECHANICAL PIPING NOTES:

- A. LAYOUT AND ROUTING SHOWN IS DIAGRAMMATIC AND SCHEMATIC IN NATURE. NOT ALL OFFSETS MAY BE SHOWN. CONTRACTOR SHALL VERIFY EXACT ROUTING REQUIRED AND NUMBER OF OFFSETS AND TRANSITIONS.
- B. MAINTAIN SERVICE CLEARANCE IN FRONT OF AND ABOVE ELECTRICAL EQUIPMENT AND ACCESS ZONES. REFER TO ELECTRICAL EQUIPMENT INSTALLATION AND INSTRUCTIONS. DO NOT INSTALL PIPING IN CLEARANCE SPACE OF ELECTRICAL OR MECHANICAL EQUIPMENT.
- C. COORDINATE ALL PIPING ROUTING WITH BUILDING STRUCTURE AND OTHER TRADES PRIOR TO INSTALLATION TO ALLOW FOR PROPER CLEARANCES AND FLOW REQUIREMENTS.
- D. PROVIDE ISOLATION BALL VALVES ON BRANCH PIPING TAPS FROM MAIN ON ALL SUPPLY AND RETURN PIPES. ENSURE VALVES ARE INSTALLED IN ACCESSIBLE LOCATIONS.
- E. VERIFY ALL SITE CONDITIONS PRIOR TO START OF WORK. FIELD VERIFY ALL NEW AND EXISTING PIPE ROUTING WITH EXISTING CONDITIONS PRIOR TO ROUGH-IN. MAKE NECESSARY OFFSETS AS REQUIRED.
- F. COORDINATE ALL EXPOSED PIPE ROUTING WITH DESIGN TEAM PRIOR TO ROUGH-IN. SPECIFIC RACKING REQUIREMENTS MAY BE REQUIRED. PROVIDE JACKETING ON EXPOSED PIPING UNLESS OTHERWISE NOTED.
- G. ALL CONDENSATE DRAIN PIPING SHALL BE 3/4" WITH INSULATION UNLESS NOTED OTHERWISE.

REFERENCED MECHANICAL PIPING NOTES:

- 1. PROVIDE NEW CONTROLS FOR VAV BOX INCLUDING NEW CONTROL VALVE, ACTUATOR, THERMOSTAT, AND ALL ASSOCIATED WIRING.
- 2. TIE NEW HEATING WATER SUPPLY AND RETURN MAINS INTO EXISTING MAINS IN BOILER ROOM UPSTREAM OF ALL CONTROL VALVES.
- 3. PROVIDE NEW CONTROL VALVE.
- 4. CONNECT TO EXISTING SITE STORM LINE. REFER TO CIVIL SHEETS FOR MORE INFORMATION.

Client Name
CLINTON COUNTY

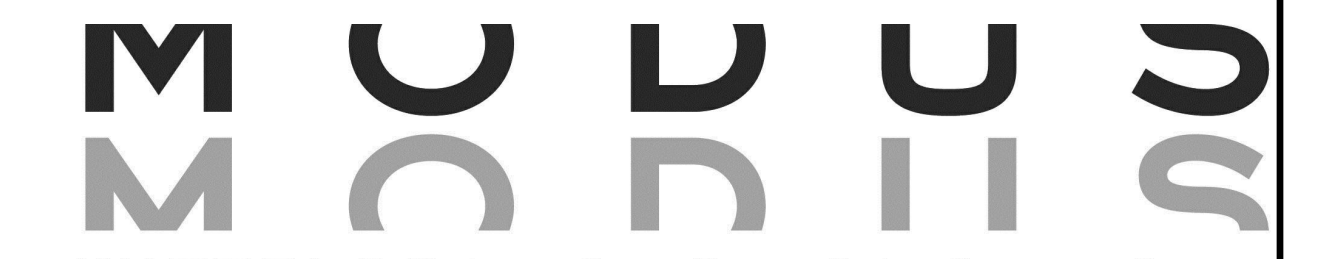
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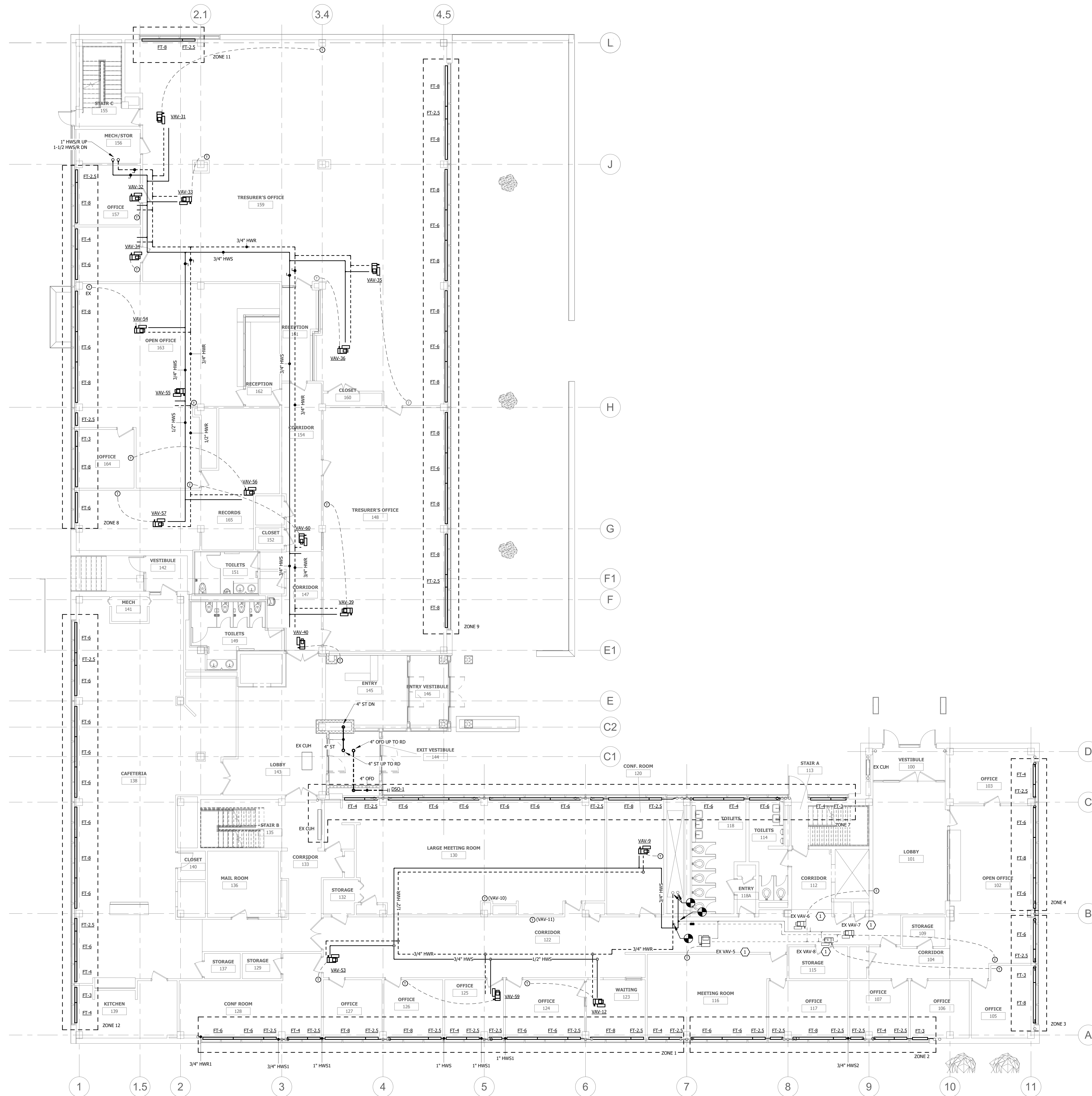
Sheet Title

**GROUND FLOOR
MECHANICAL
PIPING PLAN**



214 EAST 4TH ST. | 130 EAST 3RD ST. | 118 EAST COLLEGE ST.
WATERLOO, IOWA | DES MOINES, IOWA | IOWA CITY, IOWA
(319)235-0650 | (515)251-7280 | (319)248-4600

M200



1 FIRST FLOOR MECHANICAL PIPING PLAN
1/8" = 1'-0"

GENERAL MECHANICAL PIPING NOTES:

- A. LAYOUT AND ROUTING SHOWN IS DIAGRAMMATIC AND SCHEMATIC IN NATURE. NOT ALL OFFSETS MAY BE SHOWN. CONTRACTOR SHALL VERIFY EXACT ROUTING REQUIRED AND NUMBER OF OFFSETS AND TRANSITIONS.
- B. MAINTAIN SERVICE CLEARANCE IN FRONT OF AND ABOVE ELECTRICAL EQUIPMENT AND ACCESS ZONES. REFER TO ELECTRICAL EQUIPMENT INSTALLATION AND INSTRUCTIONS. DO NOT INSTALL PIPING IN CLEARANCE SPACE OF ELECTRICAL OR MECHANICAL EQUIPMENT.
- C. COORDINATE ALL PIPING ROUTING WITH BUILDING STRUCTURE AND OTHER TRADES PRIOR TO INSTALLATION TO ALLOW FOR PROPER CLEARANCES AND FLOW REQUIREMENTS.
- D. PROVIDE ISOLATION BALL VALVES ON BRANCH PIPING TAPS FROM MAIN ON ALL SUPPLY AND RETURN PIPES. ENSURE VALVES ARE INSTALLED IN ACCESSIBLE LOCATIONS.
- E. VERIFY ALL SITE CONDITIONS PRIOR TO START OF WORK. FIELD VERIFY ALL NEW AND EXISTING PIPE ROUTING WITH EXISTING CONDITIONS PRIOR TO ROUGH-IN. MAKE NECESSARY OFFSETS AS REQUIRED.
- F. COORDINATE ALL EXPOSED PIPE ROUTING WITH DESIGN TEAM PRIOR TO ROUGH-IN. SPECIFIC RACKING REQUIREMENTS MAY BE REQUIRED. PROVIDE JACKETING ON EXPOSED PIPING UNLESS OTHERWISE NOTED.
- G. ALL CONDENSATE DRAIN PIPING SHALL BE 3/4" WITH INSULATION UNLESS NOTED OTHERWISE.

REFERENCED MECHANICAL PIPING NOTES:

- (NOT ALL NOTES MAY BE USED ON THIS SHEET)
- 1. PROVIDE NEW CONTROLS FOR VAV BOX INCLUDING NEW CONTROL VALVE, ACTUATOR, THERMOSTAT, AND ALL ASSOCIATED WIRING.
- 2. TIE NEW HEATING WATER SUPPLY AND RETURN MAINS INTO EXISTING MAINS IN BOILER ROOM UPSTREAM OF ALL CONTROL VALVES.
- 3. PROVIDE NEW CONTROL VALVE.
- 4. CONNECT TO EXISTING SITE STORM LINE. REFER TO CIVIL SHEETS FOR MORE INFORMATION.

Client Name
CLINTON COUNTY

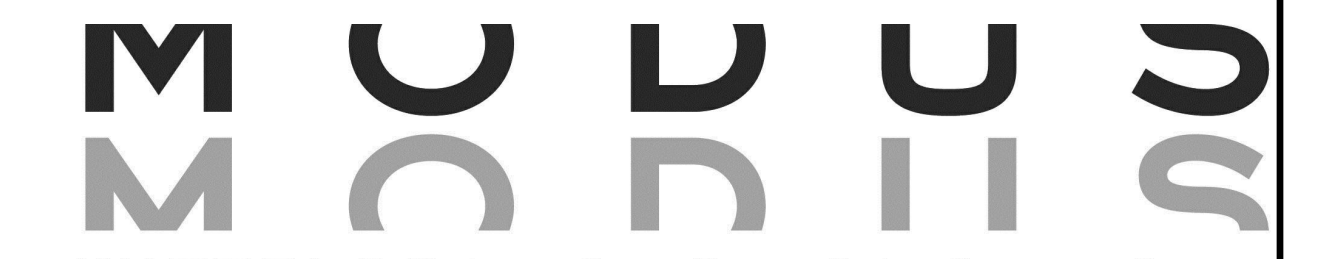
Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

Revisions	Rev	Description	Date
	1	Project Number 22072	02-13-2024
	2	Issued for Bidding	
	3	Project Manager MEM	
	4	Issued for Construction	

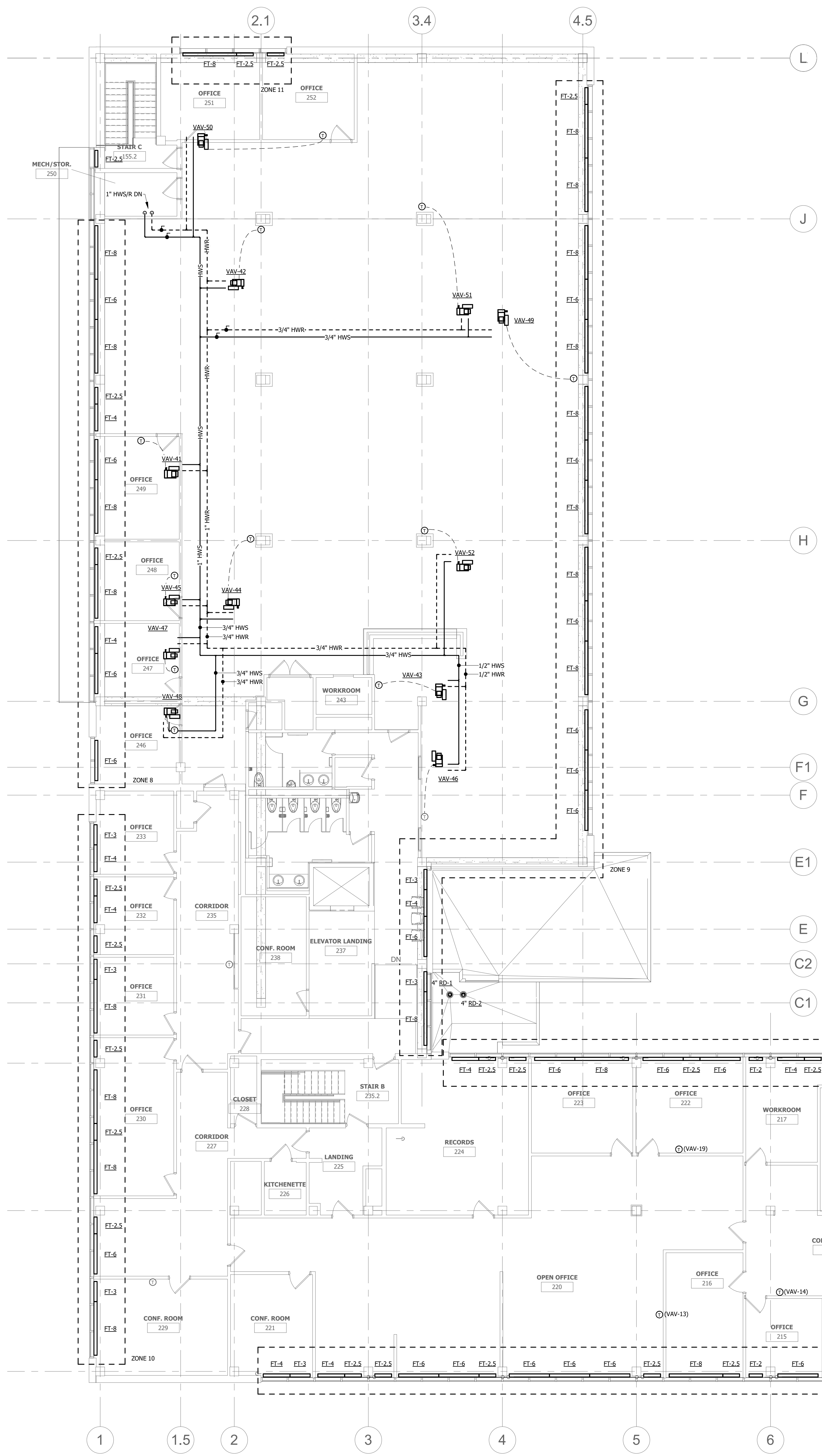
Sheet Title

**FIRST FLOOR
MECHANICAL
PIPING PLAN**

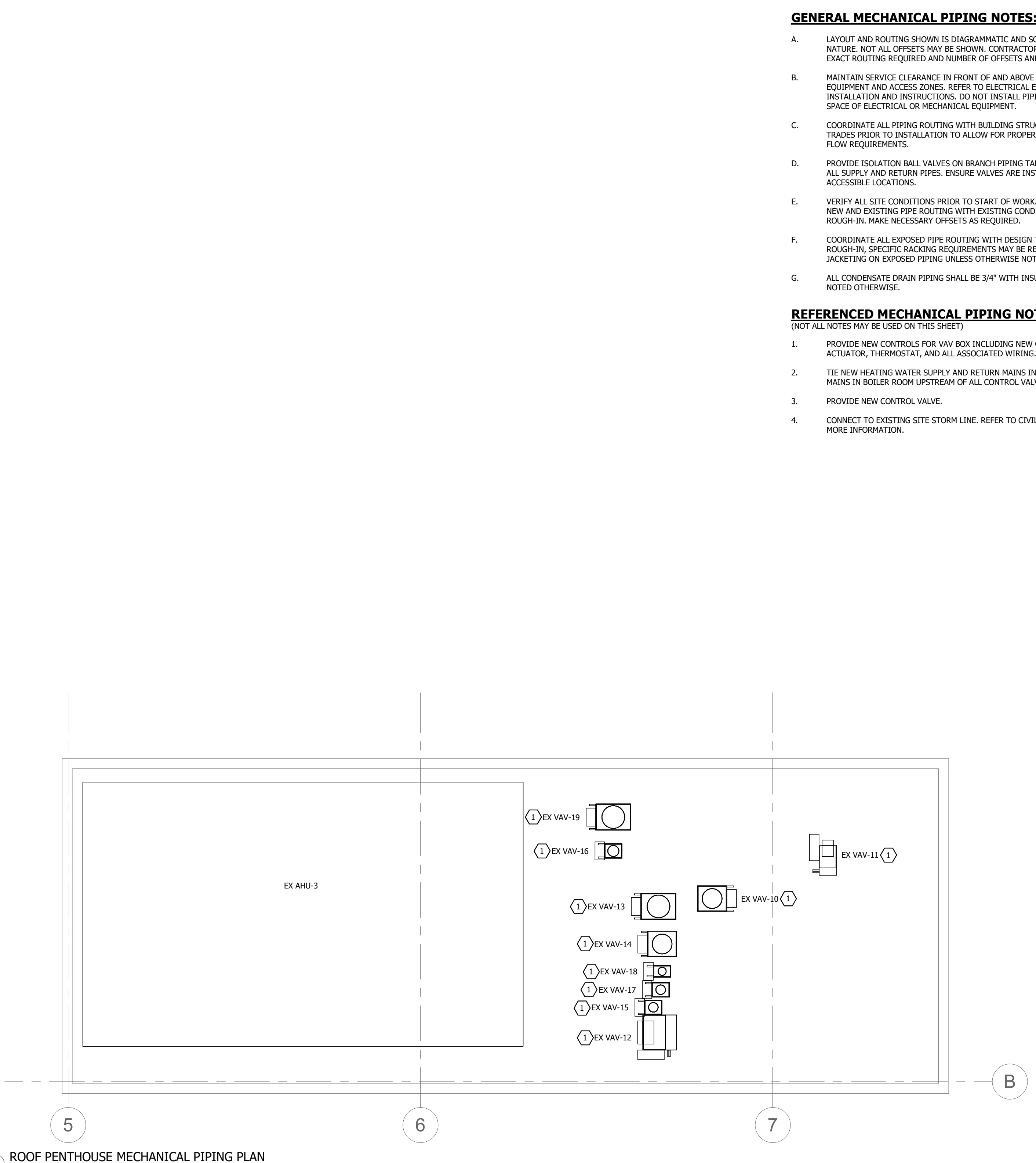


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M201



1 SECOND FLOOR MECHANICAL PIPING PLAN
1/8" = 1'-0"



2 ROOF PENTHOUSE MECHANICAL PIPING PLAN
1/4" = 1'-0"

- GENERAL MECHANICAL PIPING NOTES:**
- LAYOUT AND ROUTING SHOWN IS DIAGRAMMATIC AND SCHEMATIC IN NATURE. NOT ALL OFFSETS MAY BE SHOWN. CONTRACTOR SHALL VERIFY EXACT ROUTING REQUIRED AND NUMBER OF OFFSETS AND TRANSITIONS.
 - MAINTAIN SERVICE CLEARANCE IN FRONT OF AND ABOVE ELECTRICAL EQUIPMENT AND ACCESS ZONES. REFER TO ELECTRICAL EQUIPMENT INSTALLATION AND INSTRUCTIONS. DO NOT INSTALL PIPING IN CLEARANCE SPACE OF ELECTRICAL OR MECHANICAL EQUIPMENT.
 - COORDINATE ALL PIPING ROUTING WITH BUILDING STRUCTURE AND OTHER TRADES PRIOR TO INSTALLATION TO ALLOW FOR PROPER CLEARANCES AND FLOW REQUIREMENTS.
 - PROVIDE ISOLATION BALL VALVES ON BRANCH PIPING TAPS FROM MAIN ON ALL SUPPLY AND RETURN PIPES. ENSURE VALVES ARE INSTALLED IN ACCESSIBLE LOCATIONS.
 - VERIFY ALL SITE CONDITIONS PRIOR TO START OF WORK. FIELD VERIFY ALL NEW AND EXISTING PIPE ROUTING WITH EXISTING CONDITIONS PRIOR TO ROUGH-IN. MAKE NECESSARY OFFSETS AS REQUIRED.
 - COORDINATE ALL EXPOSED PIPE ROUTING WITH DESIGN TEAM PRIOR TO ROUGH-IN. SPECIFIC RACKING REQUIREMENTS MAY BE REQUIRED. PROVIDE JACKETING ON EXPOSED PIPING UNLESS OTHERWISE NOTED.
 - ALL CONDENSATE DRAIN PIPING SHALL BE 3/4" WITH INSULATION UNLESS NOTED OTHERWISE.

- REFERENCED MECHANICAL PIPING NOTES:**
- (NOT ALL NOTES MAY BE USED ON THIS SHEET)
- PROVIDE NEW CONTROLS FOR VAV BOX INCLUDING NEW CONTROL VALVE, ACTUATOR, THERMOSTAT, AND ALL ASSOCIATED WIRING.
 - TIE NEW HEATING WATER SUPPLY AND RETURN MAINS INTO EXISTING MAINS IN BOILER ROOM UPSTREAM OF ALL CONTROL VALVES.
 - PROVIDE NEW CONTROL VALVE.
 - CONNECT TO EXISTING SITE STORM LINE. REFER TO CIVIL SHEETS FOR MORE INFORMATION.

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

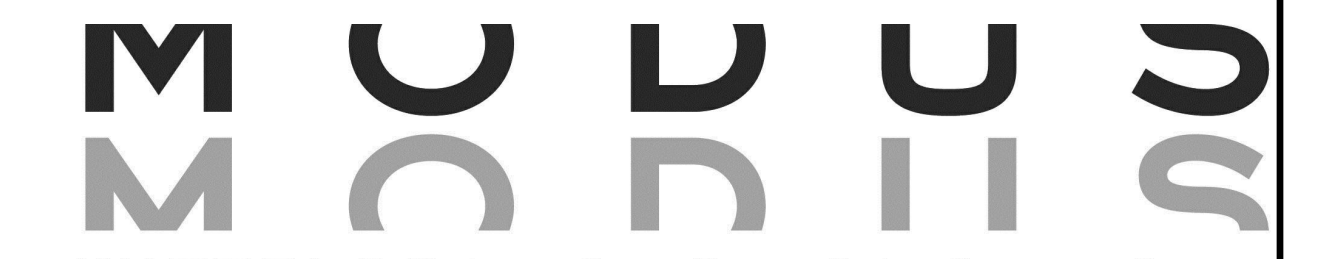
Location / Description
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	1	Project Number 22072	02-13-2024
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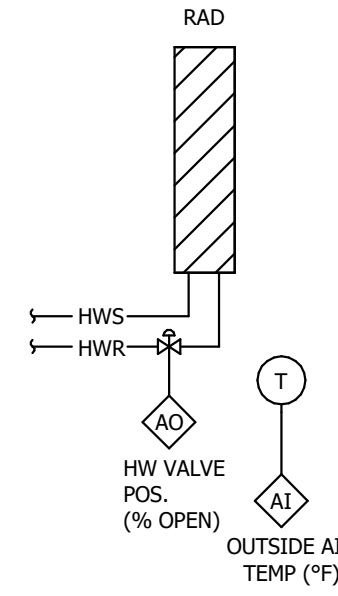
Sheet Title

SECOND FLOOR
MECHANICAL
PIPING PLAN

M202

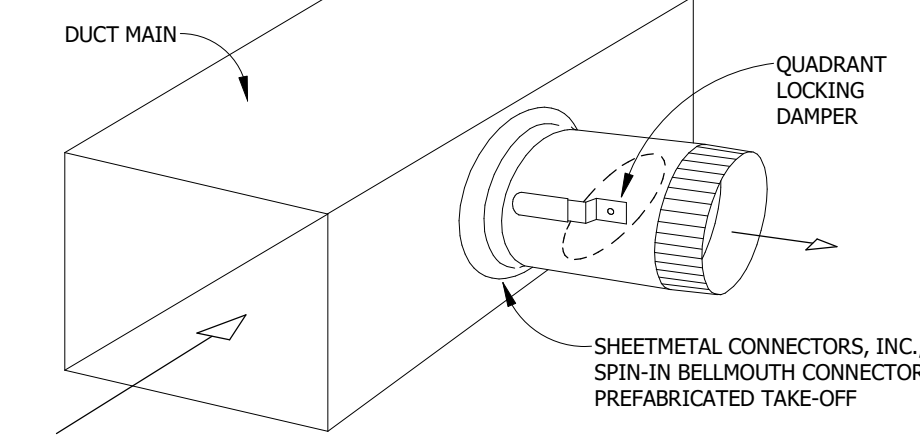
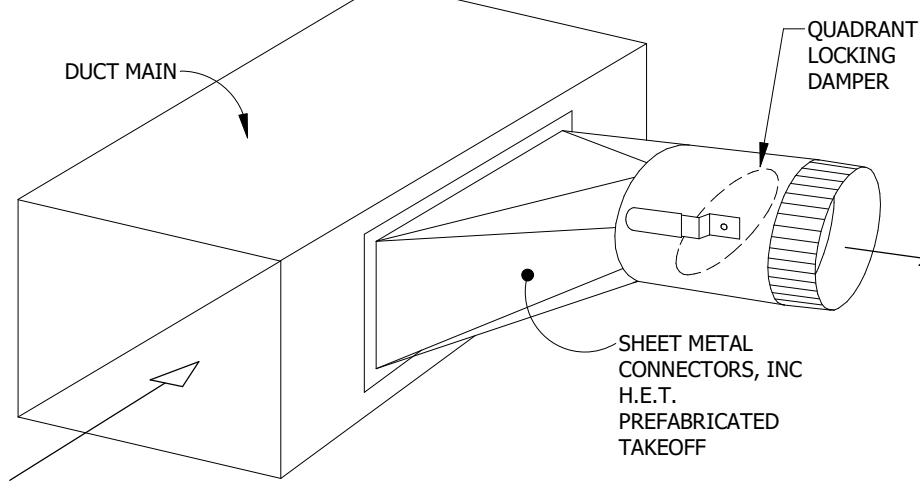
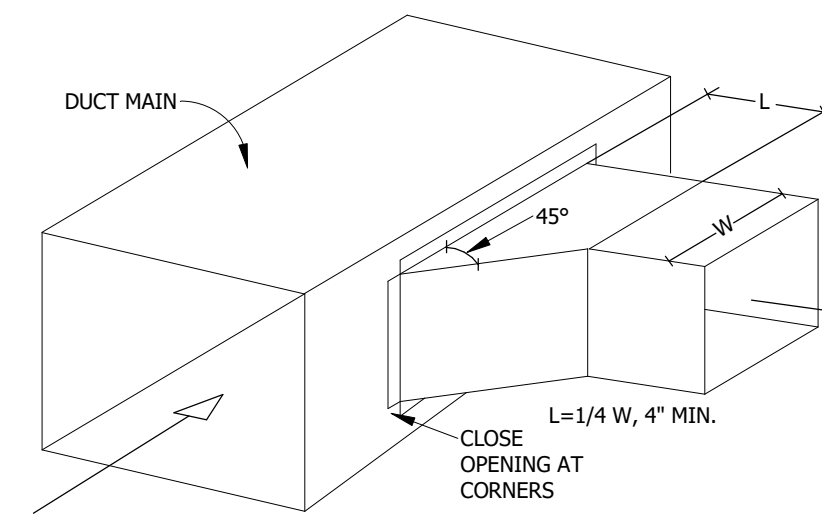


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- 3.1 FIN TUBE**
- The unit functions as a fin tube radiator (FT).
- A. The RAD has:
- Heated water heating coil.
 - The RAD must have a complete field installed control system that executes this section of the sequence of control.
- B. The RAD's controls must perform the important control functions that include the following:
- Space tempering using the heating coil based on outside air temperature.
- C. The FMS contractor must include the following:
- Provide a Tier 3 programmable controller (T3C) for each FT zone control valve. Connect the T3C to a Tier 2 controller.
 - Provide software limits that prevents the minimum valve position outside air temperature from being lower than the maximum valve position outside air temperature.
 - Outside air temperature lockout.
- D. Furnish modulating control valves with end position sensors. The valves must open on loss of power.
- RAD Protection Functions:
- Alarms. Alarms must appear and buffer at the alarm reporting locations until acknowledged.
 - If the control valve is commanded to open, and the valve remains in the closed position for 2 minutes or more, announce an alarm.
 - If the control valve is commanded to be less than 50% open, and the valve remains fully open for 2 minutes or more, announce an alarm.
- E. Set Points:
- The VALVE CLOSED AND LOCKOUT SET POINT is outside air temperature above 45F (adj.).
 - The VALVE MINIMUM OPEN (ADJUSTABLE % OPEN) SET POINT outside air temperature is less than or equal to 45F (adj) and greater than 20F (adj.).
 - The VALVE MAXIMUM OPEN (ADJUSTABLE % OPEN) SET POINT outside air temperature is less than or equal to 20F (adj.)
- F. FT On / Off Functions:
- The FMS commands the FT between ON and OFF in response to the outside air temperature.
 - The FMS outside air temperature DAT shall command the FT between ON AND OFF based on outside air temperature.
 - FT ON or OFF
 - IF DAT <= VALVE CLOSED AND LOCKOUT SET POINT, FT ON.
 - IF DAT > VALVE CLOSED AND LOCKOUT SET POINT, FT OFF.
 - IF FT indexed OFF or FT controller returns from power failure and indexed ON:
 - The control valve position shall switch between its minimum % open setting, and maximum % open setting based on outside air temperature.
 - During a power failure, control valves shall fail in the maximum % open position.
- G. Points List:
- All points listed below must appear on the FT graphic.
 - All points in the sequence labeled as (GRAPHIC) must appear on the FT Graphic Analog Input (AI)
 - Outside air temperature (global)
 - Analog Output (AO)
 - Heating coil valve commanded positions.
 - Heating coil valve actual positions.
- H. Linkage:
- Direct link from the graphic to the sequence of operation section **FIN TUBE**.
 - Direct link from the graphic to the outside air set point schedule.

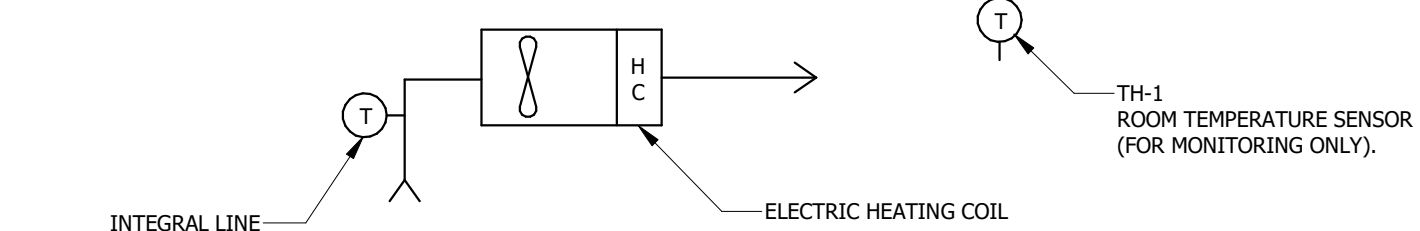
6 FIN TUBE CONTROLS
No Scale



4 45 BRANCH CONNECTION DETAIL
No Scale

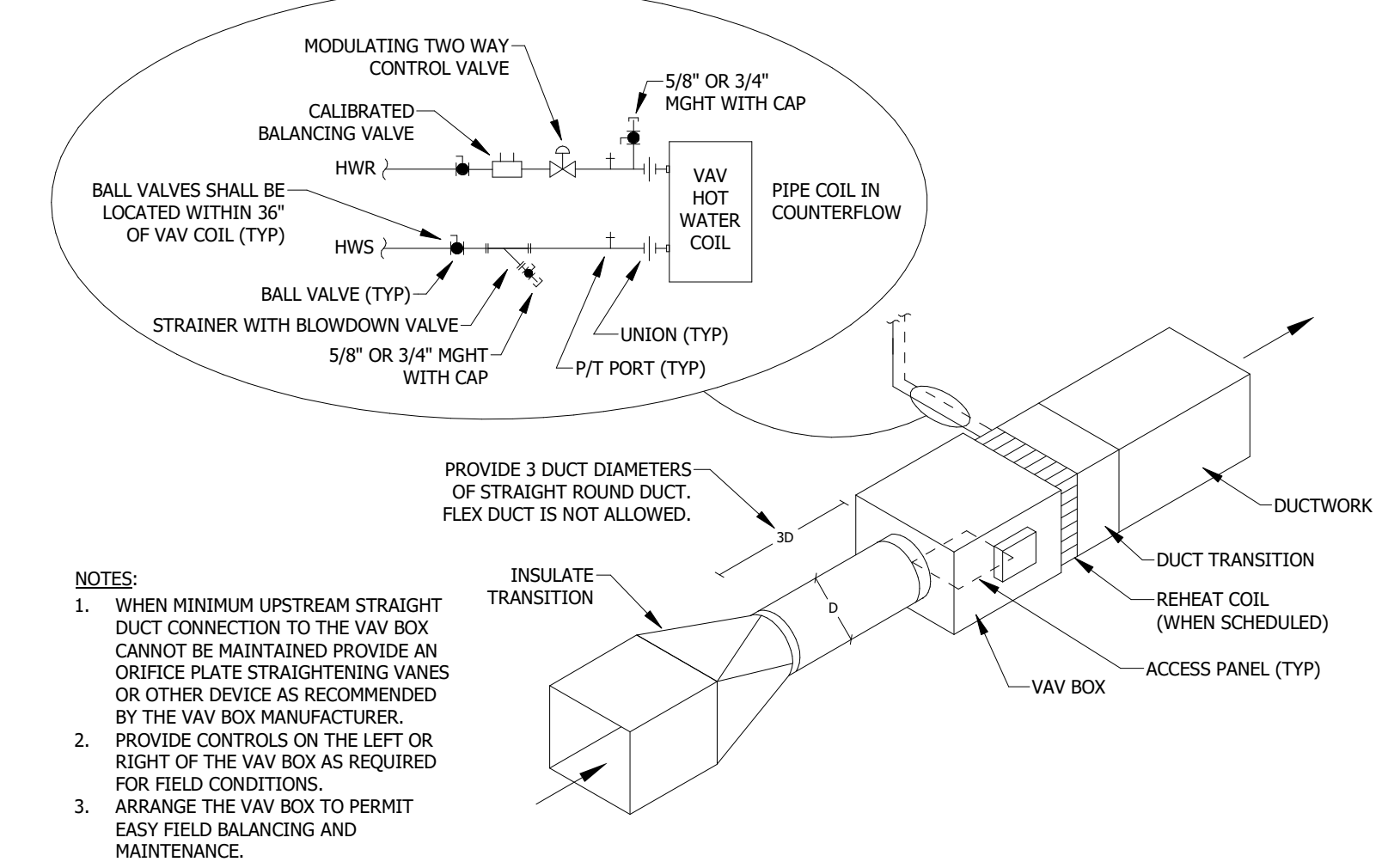
- 3.3 VAV AIR VALVE WITH REHEAT**
- The variable volume air valves are duct connected, blade damper pressure independent air terminal units with heated water reheat coils.
- B. The FMS contractor must include the following:
- Provide a dedicated Tier 3 controller (T3C) for each air valve.
 - Provide a supply air temperature sensor that is placed downstream of the heating coil.
 - Provide a reheat coil modulating control valve.
 - Provide a wall mounted thermostat that includes the following:
 - Local set point adjustment.
 - Unoccupied override button.
 - Software limit the set point adjustment range to 70F to 75F (adj.).
 - Override button initiates occupied operation for a time duration adjustable up to at least four hours.
- C. Set Points:
- The ROOM TEMPERATURE SET POINT is set using the thermostat's local set point adjustment.
 - The ROOM OCCUPIED COOLING TEMPERATURE SET POINT is 2F (adj) above the ROOM TEMPERATURE SET POINT.
 - The ROOM OCCUPIED HEATING TEMPERATURE SET POINT is 2F (adj) below the ROOM TEMPERATURE SET POINT.
 - The SETBACK TEMPERATURE SET POINT is 60F (GRAPHIC). Limit adjustment range to between 60F (adj) and 67F (adj.).
 - The SETUP TEMPERATURE SET POINT is 84F (GRAPHIC). Limit adjustment range to between 79F (adj) and 89F (adj.).
 - The HEATING DISCHARGE AIR TEMPERATURE SET POINT is 90F (GRAPHIC). Limit adjustment range to between 85F (adj) and 100F (adj.).
 - The HEATING DISCHARGE AIR TEMPERATURE SET POINT is 70F (GRAPHIC). Limit adjustment range to between 55F (adj) and 75F (adj.).
 - The COOLING MAXIMUM CFM SET POINT (adj.) is on the schedule.
 - The MINIMUM CFM SET POINT (adj.) is on the schedule.
 - The HEATING MAXIMUM CFM SET POINT (adj.) is on the schedule.
 - The OVERRIDE TIME SET POINT is 2 hours (adj.).
- D. Protection Functions:
- Alarms. Alarms must appear and buffer at the alarm reporting locations until acknowledged.
 - If the room temperature is more than 4F above the SETUP TEMPERATURE SET POINT or more than 4F below the SETBACK TEMPERATURE SET POINT, announce an alarm.
 - If the room temperature is below 45F (adj.), announce a critical alarm.
- E. The FMS indexes the associated AHU between occupied and unoccupied based on its time-of-day schedule.
- F. The FMS indexes the room thermostat between occupied and unoccupied.
- The time-of-day schedule indexes the room thermostat. Usually, this schedule is the same schedule as the associated AHU.
 - Using the override button indexes the room thermostat to occupied. If the OVERRIDE TIME SET POINT expires and the time-of-day schedule is unoccupied, the room thermostat indexes to unoccupied.
 - If the thermostat is indexed to occupied, the heating and cooling set points correspond to the settings on the local thermostat.
 - If the thermostat is indexed to unoccupied, the heating set point is the SETBACK TEMPERATURE SET POINT and the cooling set point is the SETUP TEMPERATURE SET POINT.
- G. If the thermostat is indexed to unoccupied:
- Evaluate the room temperature every 15 minutes (adj.).
 - If the room temperature is below the SETBACK TEMPERATURE SET POINT:
 - Vote to start and run the associated air handler.
 - Modulate the air valve to maintain its CFM at the HEATING MAXIMUM CFM SET POINT.
 - If the room temperature is between the SETBACK TEMPERATURE SET POINT and the SETUP TEMPERATURE SET POINT:
 - Do not vote to start and run the associated air handler.
 - Modulate the air valve to maintain its CFM at the MINIMUM CFM SET POINT.
 - Close the reheat coil valve.
 - If the room temperature is above the SETUP TEMPERATURE SET POINT:
 - Vote to start and run the associated air handler.
 - Modulate the air valve to maintain its CFM at the COOLING MAXIMUM CFM SET POINT.
 - Close the reheat coil valve.
 - If all non-air valves' SETBACK TEMPERATURE SET POINTS and SETUP TEMPERATURE SET POINTS are satisfied, stop the associated air handler.
- H. If the thermostat is indexed to occupied:
- If the room temperature is above the ROOM OCCUPIED COOLING TEMPERATURE SET POINT:
 - Modulate the air valve between the COMMAND MINIMUM CFM SET POINT and COOLING MAXIMUM CFM to offset the cooling demand.
 - Close the reheat valve.
 - If the room temperature is between the ROOM OCCUPIED COOLING TEMPERATURE SET POINT and ROOM OCCUPIED HEATING TEMPERATURE SET POINT:
 - Modulate the air valve to maintain the COMMAND MINIMUM CFM SET POINT.
 - Modulate the reheat valve to maintain the supply air temperature at the HEATING DISCHARGE AIR TEMPERATURE SET POINT.
 - If the room temperature is below the ROOM OCCUPIED HEATING TEMPERATURE SET POINT:
 - Modulate the air valve between COMMAND MINIMUM CFM SET POINT and HEATING MAXIMUM CFM to offset the heating demand.
 - Modulate the reheat valve to maintain the supply air temperature at the HEATING DISCHARGE AIR TEMPERATURE SET POINT.
- I. Points List:
- All points shown here must appear on each air valve's graphic.
 - All points labeled as (GRAPHIC) must appear on each air valve's graphic.
 - Analog Input (AI) (to T3C)
 - Room temperature (TH-1)
 - Supply air CFM
 - Room temperature set point (TH-1)
 - Supply air CFM
 - Analog Output (AO) (from T3C)
 - Air valve position
 - Reheat coil valve position
 - Digital Input (DI) (to T3C)
 - Unoccupied override (TH-1)
- Linkage:
- Direct link from the graphic to the sequence of operation section **VAV AIR VALVE WITH REHEAT**.

7 ELECTRIC CABINET UNIT HEATER CONTROLS
No Scale

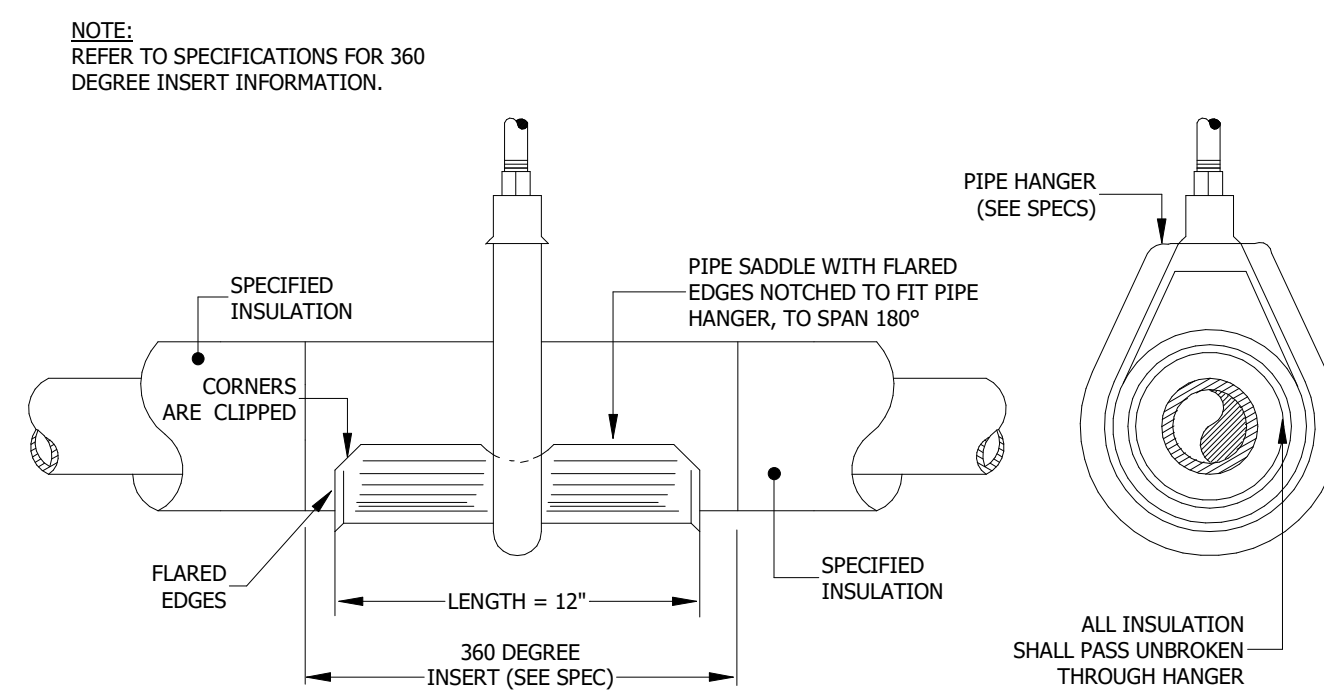


- 3.2 ELECTRIC CABINET UNIT HEATER**
- The electric cabinet unit heater shall energize based on a call for heating from the integral line voltage thermostat. The thermostat shall be set to maintain a temperature of 60F (adj.)
- B. The FMS contractor must include the following:
- Provide a remote room temperature sensor for monitoring purposes only.
- C. Protection Functions:
- Alarms. Alarms must appear and buffer at the alarm reporting locations until acknowledged.
 - If the room temperature is less than or equal to 45F (adj.) for more than 5 consecutive minutes, announce an alarm.
 - If the room temperature is less than or equal to 35F (adj.) for more than 5 minutes, announce a critical alarm.
- D. Points List:
- All points shown here must appear on each electric cabinet unit heater's graphic.
 - Room temperature (TH-1)

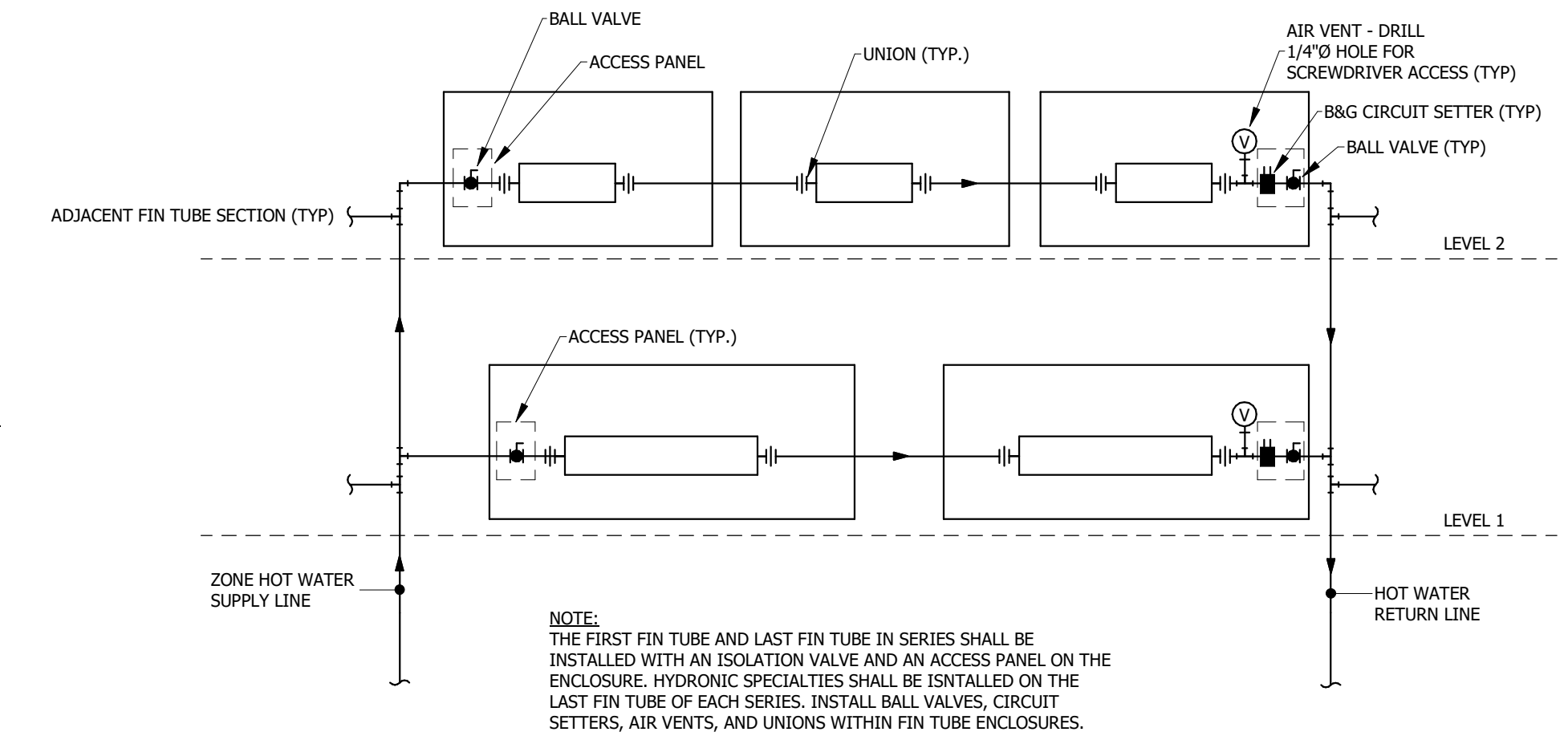
5 VAV CONTROLS
No Scale



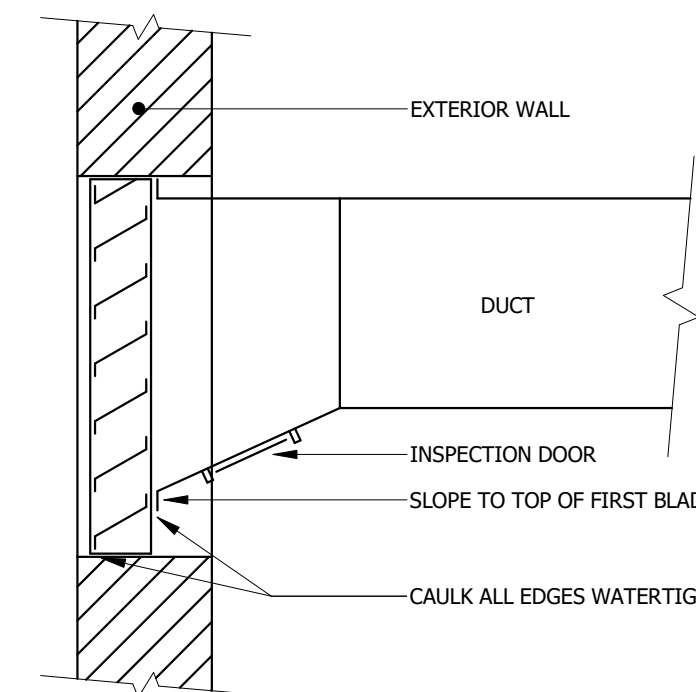
1 SINGLE DUCT VAV CONNECTION DETAIL
No Scale



2 INSULATED PIPE HANGER DETAIL
No Scale



3 WALL FIN DETAIL (ZONE CONTROLLED)
No Scale



8 LOUVER DUCT CONNECTION DETAIL
No Scale

Revisions	Rev	Description	Date
	22072	Issued for Bidding	02-13-2024
	MEM	Issued for Construction	

Project Number: 22072
Project Manager: MEM
Issued for Bidding: 02-13-2024
Issued for Construction:
Approved:
Author:
All numbers based on: 2024.12.14.10.00.00

FIN TUBE SCHEDULE															
UNIT TAG	MANUFACTURER	MODEL	SECTION LENGTH (FT)	CAPACITY (BTU/HR/FT)	FLOW RATE (GPM/FT)	ENTERING WATER TEMP (°F)	LEAVING WATER TEMP (°F)	TUBE MATERIAL	TUBE DIAMETER (IN)	FIN MATERIAL	FIN DIMENSIONS	FINS/FT	TIERS	ENCLOSURE TYPE	DEPTH (IN)
FT-2	ZEHNDER	ABIGP	2	1010	0.101	180	160	COPPER	3/4	ALUMINUM	4-1/4" X 4-1/4"	48	1	PEDESTAL	5-1/2"
FT-2.5	ZEHNDER	ABIGP	2.5	1010	0.101	180	160	COPPER	3/4	ALUMINUM	4-1/4" X 4-1/4"	48	1	PEDESTAL	5-1/2"
FT-3	ZEHNDER	ABIGP	3	1010	0.101	180	160	COPPER	3/4	ALUMINUM	4-1/4" X 4-1/4"	48	1	PEDESTAL	5-1/2"
FT-4	ZEHNDER	ABIGP	4	1010	0.101	180	160	COPPER	3/4	ALUMINUM	4-1/4" X 4-1/4"	48	1	PEDESTAL	5-1/2"
FT-6	ZEHNDER	ABIGP	6	1010	0.101	180	160	COPPER	3/4	ALUMINUM	4-1/4" X 4-1/4"	48	1	PEDESTAL	5-1/2"
FT-8	ZEHNDER	ABIGP	8	1010	0.101	180	160	COPPER	3/4	ALUMINUM	4-1/4" X 4-1/4"	48	1	PEDESTAL	5-1/2"

- NOTES:
1. PROVIDE ACCESS COMPARTMENTS ON ENCLOSURE FOR ACCESS TO ISOLATION VALVES AND HYDRONIC SPECIALTIES. REFER TO WALL FIN TUBE DETAIL ON SHEET M501.
2. REFER TO PIPING PLANS FOR FIN TUBE QUANTITIES.

VAV BOX WITH HOT WATER REHEAT SCHEDULE														
UNIT TAG	MANUFACTURER	MODEL	AHU	UNIT SIZE	MAX COOLING AIRFLOW (CFM)	MIN AIRFLOW (CFM)	MAX HEATING AIRFLOW (CFM)	EAT/(MIN)LAT (°F/°F)	EW/(LWT) RATE (GPM)	ROWS	WPD (FT WC)	APD (IN WC)	MAX RADIATED NC	
VAV-9	TITUS	DESV	AHU-3	6"	280	110	185	55/95	180/160	0.6	2	0.08	0.11	20
VAV-12	TITUS	DESV	AHU-3	8"	360	145	240	55/95	180/160	0.6	2	0.1	0.1	20
VAV-20	TITUS	DESV	AHU-1	6"	255	100	170	55/95	180/160	0.6	2	0.08	0.09	20
VAV-21	TITUS	DESV	AHU-1	6"	255	100	170	55/95	180/160	0.6	2	0.08	0.09	20
VAV-22	TITUS	DESV	AHU-1	6"	85	35	55	55/95	180/160	0.3	1	0.07	0.01	20
VAV-23	TITUS	DESV	AHU-1	8"	630	250	420	55/95	180/160	1	2	0.19	0.25	20
VAV-24	TITUS	DESV	AHU-1	8"	465	185	310	55/95	180/160	0.6	2	0.11	0.16	20
VAV-25	TITUS	DESV	AHU-1	8"	355	140	235	55/95	180/160	0.6	2	0.1	0.1	20
VAV-26	TITUS	DESV	AHU-1	6"	105	40	70	55/95	180/160	0.3	1	0.08	0.01	20
VAV-27	TITUS	DESV	AHU-1	6"	85	35	55	55/95	180/160	0.3	1	0.07	0.01	20
VAV-28	TITUS	DESV	AHU-1	6"	90	35	60	55/95	180/160	0.3	1	0.07	0.01	20
VAV-29	TITUS	DESV	AHU-1	8"	385	155	255	55/95	180/160	0.6	2	0.1	0.11	20
VAV-30	TITUS	DESV	AHU-1	8"	365	145	245	55/95	180/160	0.6	2	0.1	0.11	20
VAV-31	TITUS	DESV	AHU-1	8"	445	180	295	55/95	180/160	0.6	2	0.1	0.14	20
VAV-32	TITUS	DESV	AHU-1	6"	165	65	110	55/95	180/160	0.3	1	0.08	0.02	20
VAV-33	TITUS	DESV	AHU-1	8"	600	240	400	55/95	180/160	0.9	2	0.18	0.23	20
VAV-34	TITUS	DESV	AHU-1	6"	165	65	110	55/95	180/160	0.3	1	0.13	0.02	20
VAV-35	TITUS	DESV	AHU-1	8"	480	190	320	55/95	180/160	0.7	2	0.12	0.16	20
VAV-36	TITUS	DESV	AHU-1	8"	270	110	180	55/95	180/160	0.6	2	0.08	0.1	20
VAV-39	TITUS	DESV	AHU-1	8"	625	250	415	55/95	180/160	1	2	0.19	0.25	20
VAV-40	TITUS	DESV	AHU-1	6"	270	110	180	55/95	180/160	0.6	2	0.08	0.1	20
VAV-41	TITUS	DESV	AHU-1	10"	660	265	440	55/95	180/160	0.9	2	0.1	0.15	20
VAV-42	TITUS	DESV	AHU-1	8"	440	175	295	55/95	180/160	0.6	2	0.1	0.14	20
VAV-43	TITUS	DESV	AHU-1	8"	320	130	215	55/95	180/160	0.6	2	0.1	0.09	20
VAV-44	TITUS	DESV	AHU-1	8"	540	215	360	55/95	180/160	0.8	2	0.15	0.2	20
VAV-45	TITUS	DESV	AHU-1	6"	170	70	115	55/95	180/160	0.5	1	0.14	0.03	20
VAV-46	TITUS	DESV	AHU-1	8"	320	130	215	55/95	180/160	0.6	2	0.1	0.09	20
VAV-47	TITUS	DESV	AHU-1	6"	170	70	115	55/95	180/160	0.5	1	0.14	0.03	20
VAV-48	TITUS	DESV	AHU-1	6"	115	45	75	55/95	180/160	0.3	1	0.08	0.01	20
VAV-49	TITUS	DESV	AHU-1	8"	480	190	320	55/95	180/160	0.7	2	0.12	0.16	20
VAV-50	TITUS	DESV	AHU-1	8"	450	180	300	55/95	180/160	0.6	2	0.1	0.15	20
VAV-51	TITUS	DESV	AHU-1	8"	440	175	295	55/95	180/160	0.6	2	0.1	0.14	20
VAV-52	TITUS	DESV	AHU-1	8"	525	210	350	55/95	180/160	0.8	2	0.14	0.19	20
VAV-53	TITUS	DESV	AHU-3	8"	390	155	260	55/95	180/160	0.6	2	0.1	0.12	20
VAV-54	TITUS	DESV	AHU-1	8"	425	170	285	55/95	180/160	0.6	2	0.1	0.12	20
VAV-55	TITUS	DESV	AHU-1	8"	320	130	215	55/95	180/160	0.6	2	0.1	0.09	20
VAV-56	TITUS	DESV	AHU-1	6"	175	70	115	55/95	180/160	0.5	1	0.14	0.03	20
VAV-57	TITUS	DESV	AHU-1	6"	100	40	65	55/95	180/160	0.3	1	0.08	0.01	20
VAV-59	TITUS	DESV	AHU-3	8"	450	180	300	55/95	180/160	0.6	2	0.1	0.15	20
VAV-60	TITUS	DESV	AHU-1	6"	240	95	160	55/95	180/160	0.6	2	0.08	0.09	20

- NOTES:
1. REHEAT COILS SHALL BE DESIGNED FOR PLAIN WATER.

GRILLES, REGISTERS, AND DIFFUSERS SCHEDULE							
UNIT TAG	MANUFACTURER	MODEL	MATERIAL	SYSTEM TYPE	NECK SIZE	FACE SIZE	MAX N.C.
S-1	TITUS	OMNI	STEEL	SUPPLY	SEE PLANS	24X24	20
S-2	TITUS	THRA	STEEL	SUPPLY	SEE PLANS	24X24	20
S-3	TITUS	OMNI	STEEL	SUPPLY	SEE PLANS	12X12	20
R-1	TITUS	OMNI	STEEL	RETURN	SEE PLANS	24X24	20
R-2	TITUS	PAK	STEEL	RETURN	SEE PLANS	24X24	20
R-3	TITUS	OMNI	STEEL	RETURN	SEE PLANS	12X12	20

- NOTE:
1. VERIFY BORDER TYPE WITH ARCHITECTURAL PLANS PRIOR TO ORDERING.
2. ARCHITECT TO SELECT FINISH.

LOUVER SCHEDULE					
UNIT TAG	MANUFACTURER	MODEL	DIMENSIONS (W"xH")	FREE AREA (SQ. FT)	FREE AREA % PERCENTAGE
L-1	RUSKIN	ELF375DX	78X66	13.09	55%
L-2	RUSKIN	ELF375DX	15X44	2.21	48%
L-3	RUSKIN	ELF375DX	12X44	20.41	54%
L-4	RUSKIN	ELF375DX	12X44	20.41	54%
L-5	RUSKIN	ELF375DX	12X44	20.41	54%
L-6	RUSKIN	ELF375DX	12X44	20.41	54%

- NOTES:
1. PROVIDE BIRD SCREEN.
2. COLOR TO BE SELECTED BY ARCHITECT.
3. PROVIDE TRIM OPTIONS COMPATIBLE WITH CONSTRUCTION.
4. FIELD VERIFY DIMENSIONS OF WALL OPENINGS PRIOR TO ORDERING. LOUVERS SHALL BE SIZED TO MATCH THE EXISTING OPENINGS.

ELECTRIC UNIT HEATER SCHEDULE							
UNIT TAG	MANUFACTURER	MODEL	CAPACITY (MBH)	AIRFLOW (CFM)	POWER (KW)	ELECTRICAL	
						TOTAL AMPS (A)	VOLTAGE/PHASE
CUH-1	INDECCO	WAI	10.2	160	6	21.4	208/1

- NOTES:
1. PROVIDE RECESS MOUNTING KIT.
2. INCLUDE DISCONNECT AND INTEGRAL TAMPERPROOF THERMOSTAT.
3. ARCHITECT TO SELECT FINISH PRIOR TO ORDERING.

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION BUILDING - ADDITION & ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

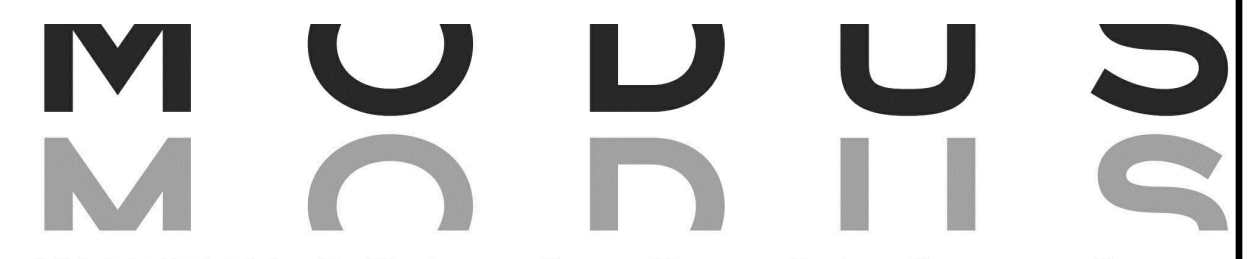
Revisions	Rev	Description	Date
		Project Number: 22072	02-13-2024
		Issued for Bidding	
		Project Manager: MEM	Issued for Construction

Approved: [Signature] 02/13/2024
2025/05/18 02:59 PM
All numbers based on: 2024.12.14.10001

Sheet Title

MECHANICAL SCHEDULES

M601



WATERLOO | DES MOINES | IOWA CITY
214 EAST 4TH ST. | 130 EAST 3RD ST. | 118 EAST COLLEGE ST.
WATERLOO, IOWA | DES MOINES, IOWA | IOWA CITY, IOWA
(319)235-0650 | (515)251-7280 | (319)248-4600



1 FIRST FLOOR ELECTRICAL DEMOLITION PLAN
1/8" = 1'-0"

DEMOLITION GENERAL NOTES:

- A. DEDUCT ALTERNATE #1. CEILING REPLACEMENT, ASSOCIATED DEVICE RELOCATION, LIGHTING, AND LIGHTING CONTROLS REPLACEMENT WILL BE INCLUDED IN BASE BID AND WILL BE DEDUCT ALTERNATE #1. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL DETAILS.
- B. DEMOLITION DRAWINGS ARE BASED ON EXISTING AVAILABLE DRAWINGS AND CASUAL FIELD OBSERVATION. MECHANICAL AND ELECTRICAL CONTRACTORS SHALL FIELD VERIFY THE SITE AND INCLUDE ALL REQUIRED DEMOLITION IN THE BID.
- C. ALL REQUIRED DEMOLITION IS NOT INDICATED. IT IS THE INTENT OF THESE DOCUMENTS THAT ALL MECHANICAL AND ELECTRICAL SYSTEMS (NOT TO BE REUSED OR EXTENDED) BE REMOVED. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- D. REFER TO SPECIFICATIONS AND OTHER SHEETS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- E. MAINTAIN FIRE RATINGS OF AFFECTED WALLS AND FLOORS.
- F. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS ON FLOOR CUTTING AND CEILING REMOVAL. CONTRACTOR SHALL COORDINATE WORK TO BE CONSISTENT WITH SCOPE OF GENERAL CONTRACTOR'S DEMOLITION.
- G. EXISTING CONDUIT AND BACKBOX MAY BE REUSED WHERE IN GOOD CONDITION AND MEETS CURRENT CODES. PULL NEW WIRE AND REGROUP RECEPTACLES AS INDICATED.
- H. EXTEND WIRING FOR NEW FIRE NOTIFICATION AND DETECTION DEVICES TO EXISTING FIRE ALARM PANEL LOCATED IN THE BASEMENT. SEE SPECIFICATIONS FOR MORE INFORMATION.
- I. LOW VOLTAGE CABLING RELOCATIONS SHALL UTILIZE THE FOLLOWING METHODS:
TELECOM CABLES SHALL BE UNPLUGGED FROM POT ROOM AND RECONNECTED TO SAME PORT FOLLOWING REROUTE. PROVIDE NEW CABLING IF LENGTH IS INSUFFICIENT.
AFFECTED FIRE ALARM CABLING SHALL BE REUSED AS LENGTH ALLOWS. FIRE ALARM CABLING SHALL BE REPLACED IF LENGTH IS INSUFFICIENT. DO NOT SPLICE FIRE ALARM CABLING OUTSIDE OF APPROVED JUNCTION BOXES. ALL SHIELDED CONDUCTORS SHALL BE CONTINUOUS.

DEMOLITION REFERENCED NOTES: (X)

- 1. NO WORK THIS AREA. ELECTRICAL CONTRACTOR SHALL PRESERVE EXISTING SERVICES BY AND FEEDING THIS AREA.
- 2. DISCONNECT TO AUTO OPERATORS. REMOVE ASSOCIATED RACEWAY AND CONDUCTORS BACK TO NEAREST JUNCTION BOX. PREPARE TO EXTEND CIRCUIT TO NEW AUTO OPERATORS. REFER TO NEW WORK PLAN FOR ADDITIONAL DETAILS.
- 3. DISCONNECT POWER TO UNIT HEATER. REMOVE ASSOCIATED CONDUCTORS BACK TO PANEL. REMOVE BREAKER. EXISTING RACEWAY MAY REMAIN TO BE REUSED WHERE IN GOOD CONDITION.
- 4. DISCONNECT POWER TO EXISTING RECEPTACLES AND PREPARE TO EXTEND TO NEW RECEPTACLE LOCATIONS. REFER TO NEW WORK PLAN FOR ADDITIONAL DETAILS.

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

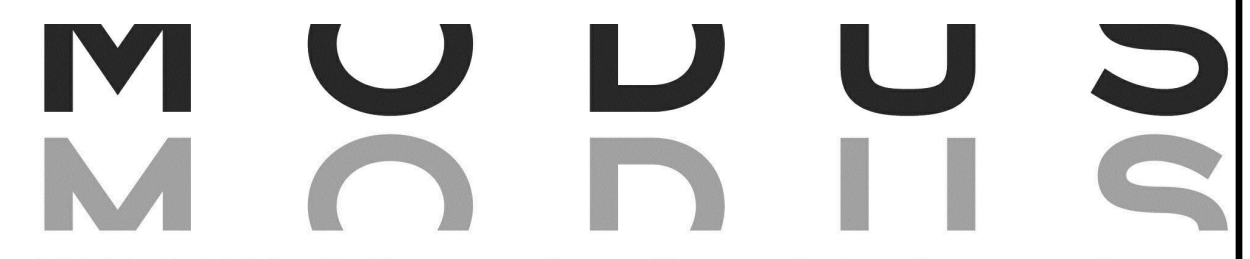
Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

Revisions	Rev	Description	Date
	22072	Issued for Bidding	02-13-2024
	MEM	Issued for Construction	

Project Manager
20240213 09:53 AM
All numbers based on 2024.02.13. All other dates.

Sheet Title

**ELECTRICAL
FIRST FLOOR
DEMOLITION
PLAN**



WATERLOO | DES MOINES | IOWA CITY
214 EAST 4TH ST. 130 EAST 3RD ST. 118 EAST COLLEGE ST.
WATERLOO, IOWA DES MOINES, IOWA IOWA CITY, IOWA
(319)235-0650 (515)251-7280 (319)248-4600

ED101



1 SECOND FLOOR ELECTRICAL DEMOLITION PLAN
1/8" = 1'-0"

DEMOLITION GENERAL NOTES:

- A. DEDUCT ALTERNATE #1. CEILING REPLACEMENT, ASSOCIATED DEVICE RELOCATION, LIGHTING, AND LIGHTING CONTROLS REPLACEMENT WILL BE INCLUDED IN BASE BID AND WILL BE DEDUCT ALTERNATE #1. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL DETAILS.
- B. DEMOLITION DRAWINGS ARE BASED ON EXISTING AVAILABLE DRAWINGS AND CASUAL FIELD OBSERVATION. MECHANICAL AND ELECTRICAL CONTRACTORS SHALL FIELD VERIFY THE SITE AND INCLUDE ALL REQUIRED DEMOLITION IN THE BID.
- C. ALL REQUIRED DEMOLITION IS NOT INDICATED. IT IS THE INTENT OF THESE DOCUMENTS THAT ALL MECHANICAL AND ELECTRICAL SYSTEMS (NOT TO BE REUSED OR EXTENDED) BE REMOVED. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- D. REFER TO SPECIFICATIONS AND OTHER SHEETS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- E. MAINTAIN FIRE RATINGS OF AFFECTED WALLS AND FLOORS.
- F. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS ON FLOOR CUTTING AND CEILING REMOVAL. CONTRACTOR SHALL COORDINATE WORK TO BE CONSISTENT WITH SCOPE OF GENERAL CONTRACTOR'S DEMOLITION.
- G. EXISTING CONDUIT AND BACKBOX MAY BE REUSED WHERE IN GOOD CONDITION AND MEETS CURRENT CODES. PULL NEW WIRE AND REGROUP RECEPTACLES AS INDICATED.
- H. EXTEND WIRING FOR NEW FIRE NOTIFICATION AND DETECTION DEVICES TO EXISTING FIRE ALARM PANEL LOCATED IN THE BASEMENT. SEE SPECIFICATIONS FOR MORE INFORMATION.
- I. LOW VOLTAGE CABLING RELOCATIONS SHALL UTILIZE THE FOLLOWING METHODS:
TELECOM CABLES SHALL BE UNPLUGGED FROM POT ROOM AND RECONNECTED TO SAME PORT FOLLOWING REROUTE. PROVIDE NEW CABLING IF LENGTH IS INSUFFICIENT.
AFFECTED FIRE ALARM CABLING SHALL BE REUSED AS LENGTH ALLOWS. FIRE ALARM CABLING SHALL BE REPLACED IF LENGTH IS INSUFFICIENT. DO NOT SPLICE FIRE ALARM CABLING OUTSIDE OF APPROVED JUNCTION BOXES. ALL SHIELDED CONDUCTORS SHALL BE CONTINUOUS.

DEMOLITION REFERENCED NOTES: (D)

- 1. NO WORK THIS AREA. ELECTRICAL CONTRACTOR SHALL PRESERVE EXISTING SERVICES BY AND FEEDING THIS AREA.
- 2. DISCONNECT TO AUTO OPERATORS. REMOVE ASSOCIATED RACEWAY AND CONDUCTORS BACK TO NEAREST JUNCTION BOX. PREPARE TO EXTEND CIRCUIT TO NEW AUTO OPERATORS. REFER TO NEW WORK PLAN FOR ADDITIONAL DETAILS.
- 3. DISCONNECT POWER TO UNIT HEATER. REMOVE ASSOCIATED CONDUCTORS BACK TO PANEL. REMOVE BREAKER. EXISTING RACEWAY MAY REMAIN TO BE REUSED WHERE IN GOOD CONDITION.
- 4. DISCONNECT POWER TO EXISTING RECEPTACLES AND PREPARE TO EXTEND TO NEW RECEPTACLE LOCATIONS. REFER TO NEW WORK PLAN FOR ADDITIONAL DETAILS.

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

Revisions	Rev	Description	Date
	22072	Issued for Bidding	02-13-2024
	MEM	Issued for Construction	

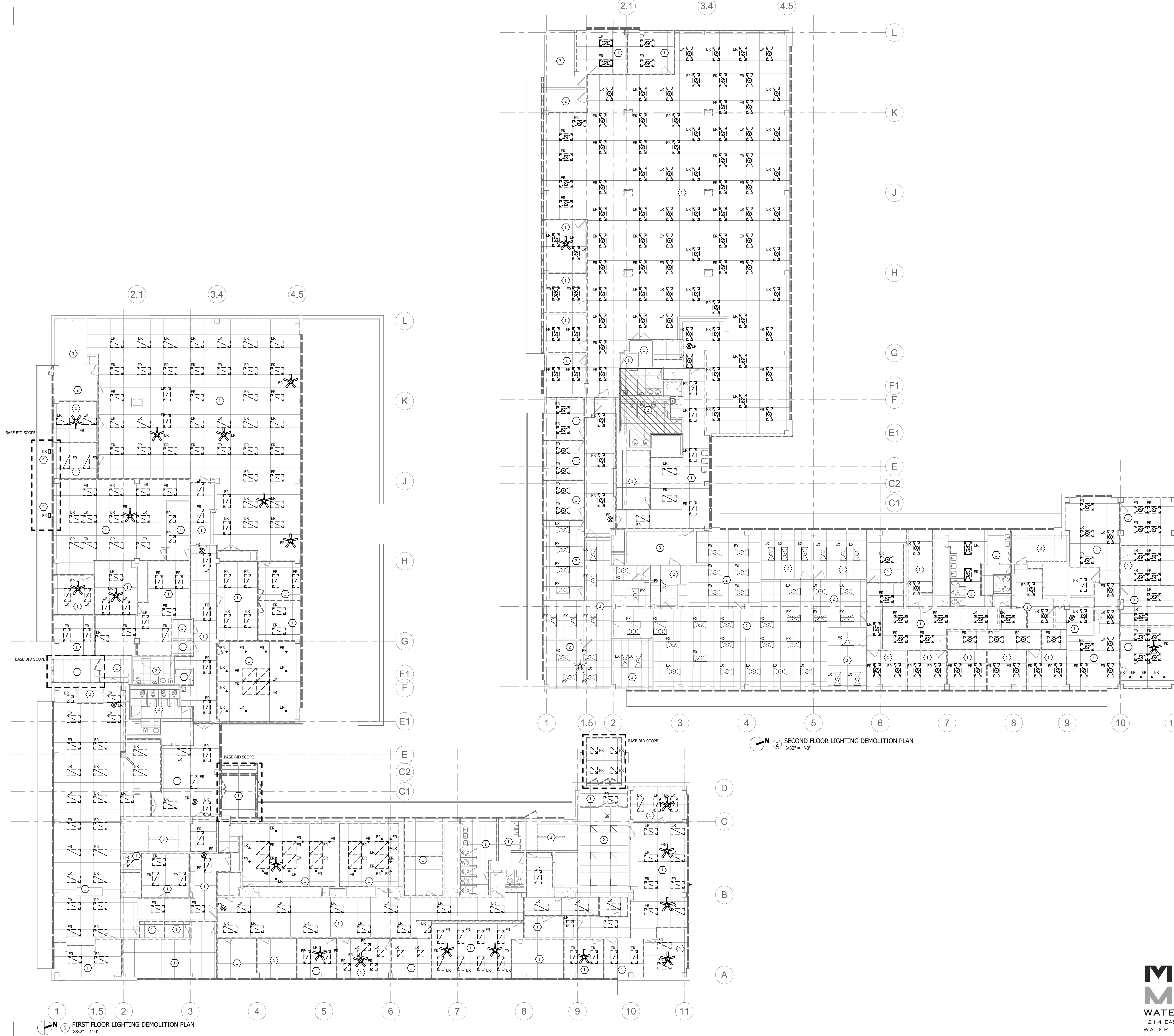
Project Number: 22072
Project Manager: MEM
Issued for Construction: 02-13-2024
Issued for Bidding: 02-13-2024
At scales based on: 3/4" = 1'-0", 1/8" = 1'-0"

Sheet Title
**ELECTRICAL
SECOND FLOOR
DEMOLITION
PLAN**



WATERLOO | DES MOINES | IOWA CITY
214 EAST 4TH ST. | 130 EAST 3RD ST. | 118 EAST COLLEGE ST.
WATERLOO, IOWA | DES MOINES, IOWA | IOWA CITY, IOWA
(319)235-0650 | (515)251-7280 | (319)248-4600

ED102



- DEMOLITION GENERAL NOTES:**
- A. DEDUCT ALTERNATE #1: CEILING REPLACEMENT, ASSOCIATED DEVICE RELOCATION, LIGHTING, AND LIGHTING CONTROLS REPLACEMENT WILL BE INCLUDED IN BASE BID AND WILL BE DEDUCT ALTERNATE #1. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL DETAILS.
 - B. DEMOLITION DRAWINGS ARE BASED ON EXISTING AVAILABLE DRAWINGS AND CASUAL FIELD OBSERVATION. ELECTRICAL CONTRACTORS SHALL FIELD VERIFY THE SITE AND INCLUDE ALL REQUIRED DEMOLITION IN THE BID.
 - C. ALL REQUIRED DEMOLITION IS NOT INDICATED. IT IS THE INTENT OF THESE DOCUMENTS THAT ALL MECHANICAL AND ELECTRICAL SYSTEMS (NOT TO BE REUSED OR EXTENDED) BE REMOVED. COORDINATE WITH ARCHITECTURAL DRAWINGS.
 - D. REFER TO SPECIFICATIONS AND OTHER SHEETS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
 - E. REMOVE ALL ELECTRICAL CONNECTIONS, WIRING, AND CONDUIT SERVING ALL MECHANICAL EQUIPMENT TO BE REMOVED.
 - F. MAINTAIN FIRE RATINGS OF AFFECTED WALLS AND FLOORS.
 - G. EXISTING ELECTRICAL SYSTEMS LOCATED IN WALLS AND CHASES NOT BEING REMOVED OR REUSED FOR NEW SYSTEMS MAY BE ABANDONED IN PLACE. CAP AT MAINS OR IN A CONCEALED LOCATION IF REQUIRED.
 - H. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS ON FLOOR CUTTING AND CEILING REMOVAL. CONTRACTOR SHALL COORDINATE WORK TO BE CONSISTENT WITH SCOPE OF GENERAL CONTRACTOR'S DEMOLITION.

- DEMOLITION REFERENCED NOTES:**
- NOT ALL NOTES ARE APPLICABLE TO THIS SHEET.
- 1. DEDUCT ALTERNATE #1: REMOVE ALL LIGHT FIXTURES, LIGHTING CONTROL, CEILING DEVICES AND WALL SWITCHES, RACEWAY AND BACKBOXES MAY REMAIN WHERE IN GOOD CONDITION AND UP TO CURRENT CODES. PREPARE TO EXTEND EXISTING LIGHTING CIRCUITS TO NEW FIXTURES. SCOPE SHALL BE INCLUDED IN BASE BID AND APART OF DEDUCT ALTERNATE #1.
 - 2. NOT IN PROJECT SCOPE.
 - 3. DEDUCT ALTERNATE #1: SURFACE MOUNTED LIGHT FIXTURES IN STAIR TOWER SHALL HAVE POWER DISCONNECTED, REMOVED, AND BE REPLACED IN PLACE WITH NEW FIXTURE. REFER TO NEW WORK PLANS FOR ADDITIONAL DETAILS. SCOPE SHALL BE INCLUDED IN BASE BID AND APART OF DEDUCT ALTERNATE #1.
 - 4. DISCONNECT POWER TO EXTERIOR WALL PACKS ON METAL GLAZING. REMOVE ASSOCIATED RACEWAY AND CONDUCTORS BACK TO NEAREST JUNCTION BOX. PREPARE TO EXTEND TO NEW LOCATION. REFER TO NEW WORK PLAN FOR ADDITIONAL DETAILS.

Client Name
CLINTON COUNTY

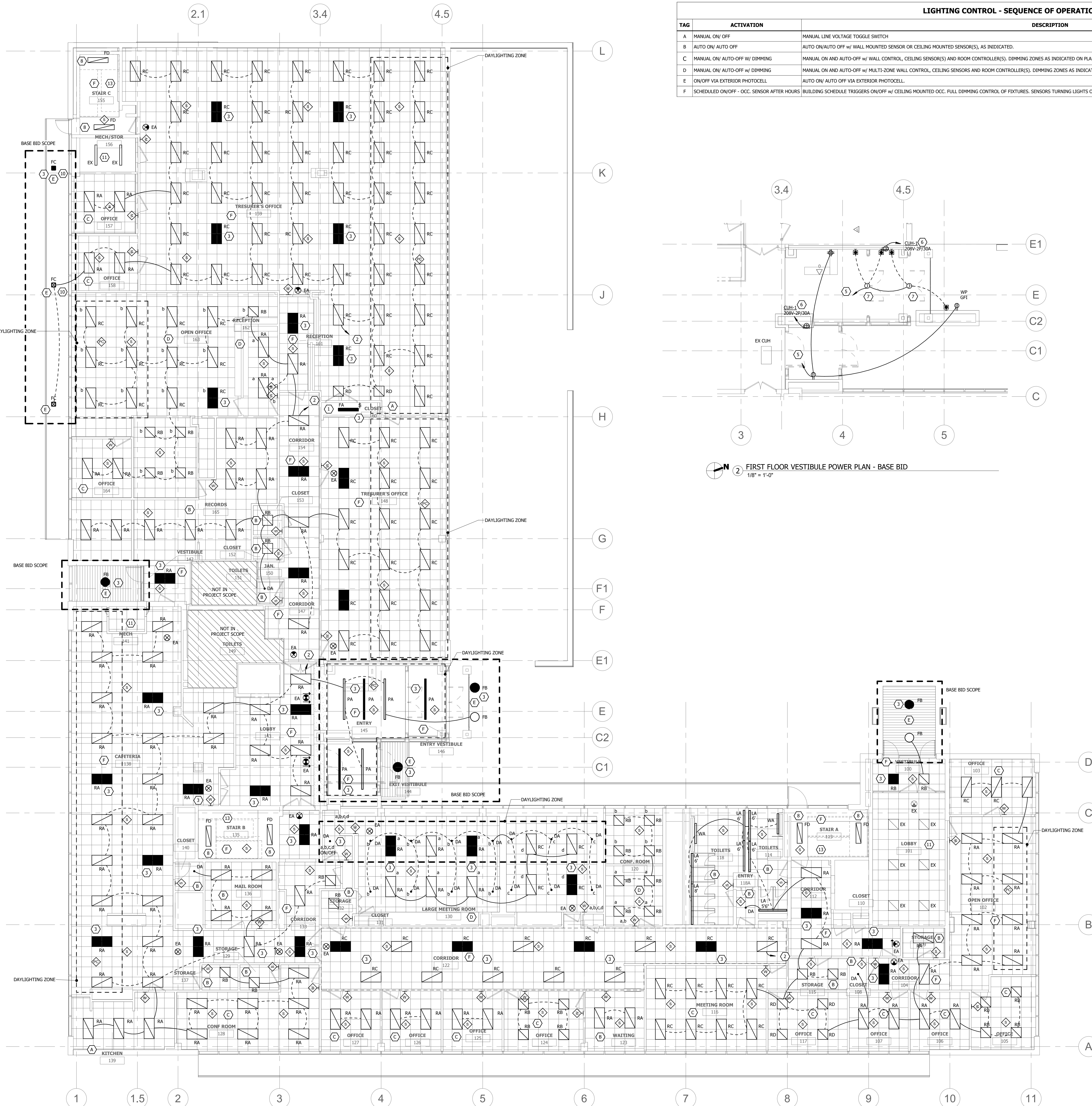
Project Name
ADMINISTRATION BUILDING - ADDITION & ALTERATIONS

Location / Description
1900 N. 3RD ST. CLINTON, IA 52732

Revisions	Rev	Description	Date
	1	Project Number 22072	02-13-2024
	2	Issued for Bidding	
	3	MEM	
	4	Issued for Construction	

Approved: [Signature] 2/13/2024
All scales based on 3/32" = 1'-0".

Sheet Title
LIGHTING DEMOLITION PLANS



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

2 FIRST FLOOR VESTIBULE POWER PLAN - BASE BID
1/8" = 1'-0"

LIGHTING CONTROL - SEQUENCE OF OPERATION			
TAG	ACTIVATION	DESCRIPTION	SCHEDULE
A	MANUAL ON/OFF	MANUAL LINE VOLTAGE TOGGLE SWITCH	N/A
B	AUTO ON/AUTO OFF	AUTO ON/AUTO OFF w/ WALL MOUNTED SENSOR OR CEILING MOUNTED SENSOR(S), AS INDICATED.	30 MINUTE TIMEOUT
C	MANUAL ON/AUTO-OFF w/ DIMMING	MANUAL ON AND AUTO-OFF w/ WALL CONTROL, CEILING SENSOR(S) AND ROOM CONTROLLER(S), DIMMING ZONES AS INDICATED ON PLANS.	30 MINUTE TIMEOUT
D	MANUAL ON/AUTO-OFF w/ DIMMING	MANUAL ON AND AUTO-OFF w/ MULTI-ZONE WALL CONTROL, CEILING SENSOR(S) AND ROOM CONTROLLER(S), DIMMING ZONES AS INDICATED ON PLANS.	30 MINUTE TIMEOUT
E	ON/OFF VIA EXTERIOR PHOTOCELL	AUTO ON/AUTO OFF VIA EXTERIOR PHOTOCELL.	N/A
F	SCHEDULED ON/OFF - OCC. SENSOR AFTER HOURS	BUILDING SCHEDULE TRIGGERS ON/OFF w/ CEILING MOUNTED OCC. FULL DIMMING CONTROL OF FIXTURES. SENSORS TURNING LIGHTS ON/OFF AFTER HOURS. PROVIDE MANUAL OVERRIDE STATIONS PER OWNER REQUEST (QTY, TBD)	30 MINUTE TIMEOUT

- GENERAL NOTES:**
- A. DEDUCT ALTERNATE #1. CEILING REPLACEMENT, LIGHTING, AND LIGHTING CONTROLS REPLACEMENT WILL BE INCLUDED IN BASE BID AND WILL BE DEDUCT ALTERNATE #1. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL DETAILS.
 - B. SURFACE RACEWAY SHALL NOT BE USED IN ANY FINISHED AREAS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
 - C. INSTALL DEVICES SUCH THAT NO TWO DEVICES ON OPPOSITE SIDES OF SAME WALL ARE WITHIN 6" OF EACH OTHER.
 - D. COORDINATE ALL DEVICES WITH ARCHITECTURAL PLANS AND CASEWORK SUBMITTALS.
 - E. OCCUPANCY AND DAYLIGHT SENSORS SHALL BE LOCATED PER MANUFACTURER'S RECOMMENDATIONS. IN EVENT OF CONFLICT OF DESIGNED DRAWINGS AND MANUFACTURER RECOMMENDATIONS, ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
 - F. REFER TO SPECIFICATION SECTION 26 0943 FOR ADDITIONAL DETAILS ASSOCIATED WITH THE LIGHTING CONTROLS. EACH AREA OF CONTROL SHALL HAVE A DEDICATED POWER PACK WITH ALL DEVICES SHOWN ON PLANS OPERATING TOGETHER.
 - G. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN SUCH WAY THAT DRIVERS ARE ACCESSIBLE WITHOUT CUTTING OF CEILING. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF AREAS WHERE THIS IS NOT POSSIBLE.
 - H. ALL WALL-MOUNTED FIXTURES SHALL HAVE EXACT ROUGH-IN LOCATION DETERMINED BY DESIGN TEAM PRIOR TO ROUGH-IN.
 - I. THE ELECTRICAL CONTRACTOR SHALL EXTEND AN UNSWITCHED HOT CONDUCTOR FROM THE NEAREST LIGHTING CIRCUIT OUT OF PANEL GE-1A TO EXIT SIGNS REQUIRED FOR EMERGENCY EGRESS OPERATION.
 - J. CONTRACTOR SHALL PROVIDE A UL24 RATED TRANSFER DEVICE IN ALL AREAS WHERE EMERGENCY EGRESS LIGHTING IS REQUIRED PER IFC 101. LIGHTING CONTROLS MANUFACTURER SHALL DETERMINE EXACT QUANTITIES WITH LIGHTING CONTROL ZONES AND LAYOUTS.
 - K. UNLESS NOTED OTHERWISE BY DESIGNATED LIGHTING CONTROL ZONES, SWITCHES SHOWN WILL CONTROL ALL FIXTURES IN THE ROOM SHOWN.
 - L. PROGRAMMABLE DEVICES SHALL BE CONFIGURED WITH THE CONTROL ZONES SHOWN ON THE PLANS AND SCENES PER CLIENT DIRECTION DURING COMMISSIONING.
 - M. REFER TO ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR SPECIFIC DEVICE ROUGH-IN AND PLACEMENT. ANY DEVIATIONS FROM THE ARCHITECTURAL ELEVATIONS AND RCP'S SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT PRIOR TO ROUGH-IN. IF A DEVICE IS REQUIRED PER SPECIFICATION, REQUIRED FOR OPERATION, OR IS DIFFERENT IN CONFIGURATION THAN SHOWN ON ELEVATIONS AND RCP'S, CLARIFICATION AND DIRECTION MUST BE GIVEN BY THE ARCHITECT BEFORE ROUGH-IN. DEVIATIONS OR ADDITIONAL DEVICES NOT APPROVED PRIOR TO INSTALLATION SHALL BE CONNECTED AT CONTRACTOR'S EXPENSE. THIS INCLUDES BUT IS NOT LIMITED TO THERMOSTATS, CONTROL SYSTEM SENSORS, ELECTRICAL DEVICES, SWITCHES, DIMMERS, TECHNOLOGY DEVICES, A/V DEVICES, SPEAKERS, FIRE ALARM DEVICES, ETC.
 - N. CEILING CONTRACTOR SHALL PROVIDE AND INSTALL CEILING ACCESS PANELS FOR ACCESSIBILITY TO ELECTRICAL JUNCTION BOXES, PLUMBING VALVES, BALANCING DAMPERS, CIRCUIT SETTERS, ETC. WHERE ABSOLUTELY NECESSARY. LOCATIONS WILL NEED TO BE APPROVED AND COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION.
- REFERENCED NOTES:**
- (NOT ALL NOTES MAY BE APPLICABLE TO THIS SHEET)
1. EXISTING ELECTRICAL ROOM.
 2. EXTEND NEAREST NORMAL LIGHTING CIRCUIT IN AREA FROM SPARE BREAKER CREATED THROUGH DEMOLITION. CIRCUIT SHALL NOT EXCEED 150' ON 20A BREAKER.
 3. EXTEND NEAREST EMERGENCY LIGHTING CIRCUIT IN AREA FROM PANEL GE-1A LOCATED IN BASEMENT. REUSE SPARE BREAKER CREATED THROUGH DEMOLITION. CIRCUIT SHALL NOT EXCEED 150' ON 20A BREAKER. FIXTURE SHALL BE CONNECTED TO LIGHTING CONTROLS IN AREA. PROVIDE UL24 DEVICE.
 4. EXTEND EXISTING SPARE CIRCUIT CREATED THROUGH DEMOLITION OF AUTO OPERATORS.
 5. EXTEND 120V NORMAL POWER CIRCUIT FROM DEMOLISHED ELECTRICAL DEVICES.
 6. PROVIDE 200V-1PH, 3ØA CIRCUIT FROM NEAREST NORMAL ELECTRICAL PANEL. ASSUME 100' DISTANCE TO WEST ELECTRICAL ROOM OFF OF TREASURER'S OFFICE 159 FOR BIDDING PURPOSES.
 7. ADA PUSH BUTTONS AND DOOR OPERATORS BY GENERAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL WIRE AND MOUNT BUTTONS. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS.
 8. SURFACE MOUNTED WRAPAROUND FIXTURE IN STAIR SHALL BE REPLACED IN PLACE WITH 1X4 SURFACE MOUNTED, BACK-LIT FIXTURE. RECONNECT EXISTING CIRCUIT.
 9. PROVIDE (2) ADDITIONAL RE-TYPE LIGHT FIXTURES TO REPLACE SURFACE MOUNTED FIXTURES AT BASEMENT FLOOR STAIR LANDINGS. FIXTURES SHALL BE REPLACED IN PLACE AND RECONNECTING TO EXISTING CIRCUIT. PROVIDE (1) ADDITIONAL OCCUPANCY SENSOR FOR BASEMENT FLOOR LANDING.
 10. CONDUIT SHALL BE SURFACE MOUNTED TO BOTTOM OF CONCRETE. COORDINATE AND SEAL ALL CONDUIT PENETRATIONS FOR CIRCUITS LEAVING THE BUILDING.
 11. NO ELECTRICAL SCOPE IN THIS AREA. CIRCUIT CONTINUITY SHALL BE MAINTAINED. COORDINATE ANY REQUIRED CIRCUIT DOWNTIME WITH OWNER PRIOR TO INTERRUPTION OF POWER.

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

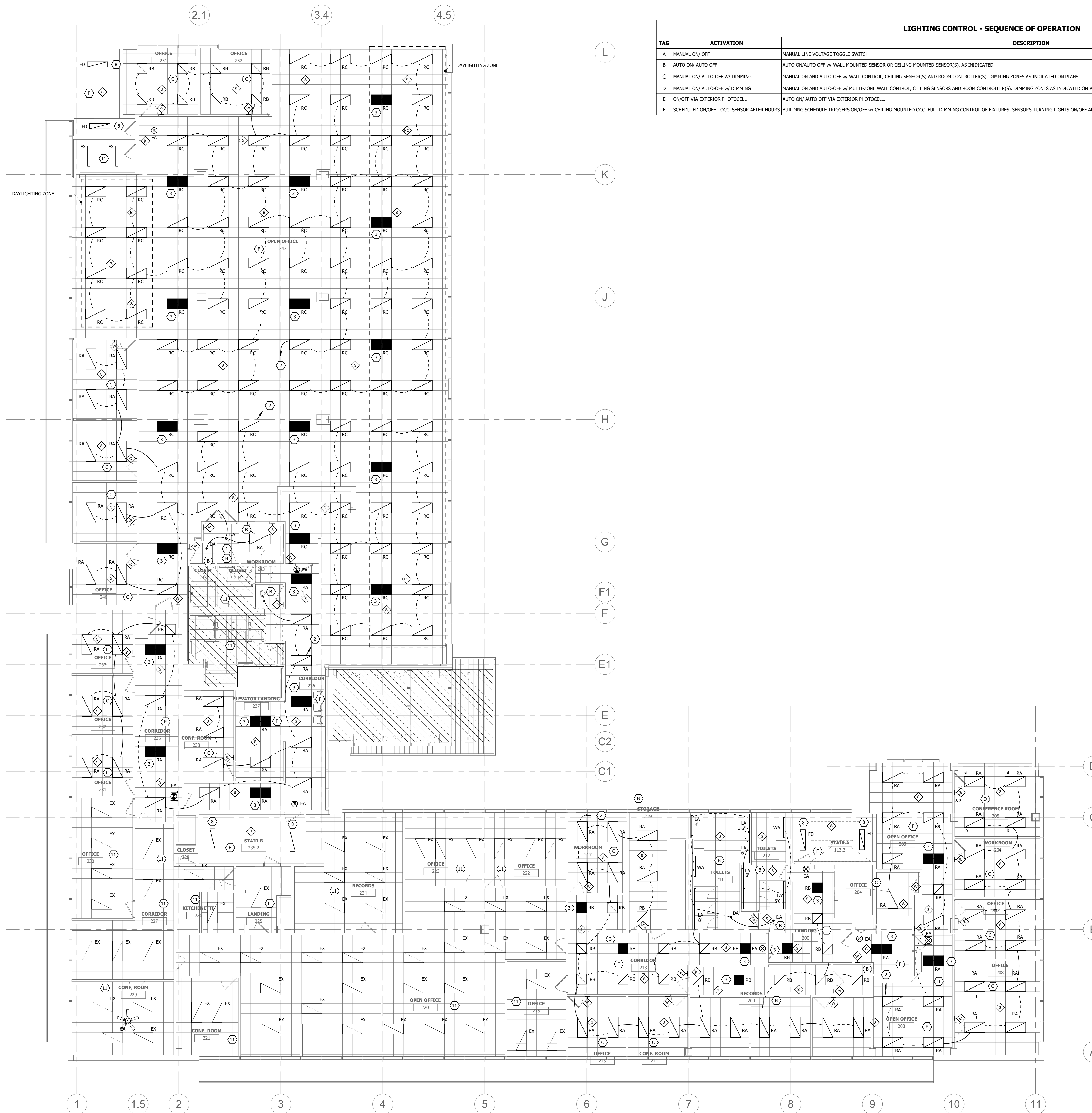
Revisions	Rev	Description	Date
	22072	Issued for Bidding	02-13-2024
	MEM	Issued for Construction	

Approved: [Signature] Project Manager MEM
Author: [Signature] Designer [Signature] Designer [Signature] Designer
All scales based on 3/4" = 1'-0" unless noted.

Sheet Title

FIRST FLOOR
POWER &
LIGHTING PLAN

E201



LIGHTING CONTROL - SEQUENCE OF OPERATION			
TAG	ACTIVATION	DESCRIPTION	SCHEDULE
A	MANUAL ON/ OFF	MANUAL LINE VOLTAGE TOGGLE SWITCH	N/A
B	AUTO ON/ AUTO OFF	AUTO ON/AUTO OFF w/ WALL MOUNTED SENSOR OR CEILING MOUNTED SENSOR(S), AS INDICATED.	30 MINUTE TIMEOUT
C	MANUAL ON/ AUTO-OFF w/ DIMMING	MANUAL ON AND AUTO-OFF w/ WALL CONTROL, CEILING SENSOR(S) AND ROOM CONTROLLER(S), DIMMING ZONES AS INDICATED ON PLANS.	30 MINUTE TIMEOUT
D	MANUAL ON/ AUTO-OFF w/ DIMMING	MANUAL ON AND AUTO-OFF w/ MULTI-ZONE WALL CONTROL, CEILING SENSORS AND ROOM CONTROLLER(S), DIMMING ZONES AS INDICATED ON PLANS.	30 MINUTE TIMEOUT
E	ON/OFF VIA EXTERIOR PHOTOCELL	AUTO ON/ AUTO OFF VIA EXTERIOR PHOTOCELL.	N/A
F	SCHEDULED ON/OFF - OCC. SENSOR AFTER HOURS	BUILDING SCHEDULE TRIGGERS ON/OFF w/ CEILING MOUNTED OCC. FULL DIMMING CONTROL OF FIXTURES, SENSORS TURNING LIGHTS ON/OFF AFTER HOURS. PROVIDE MANUAL OVERRIDE STATIONS PER OWNER REQUEST (QTY, TBO)	30 MINUTE TIMEOUT

- GENERAL NOTES:**
- A. DUCT ALTERNATE #1, CEILING REPLACEMENT, LIGHTING, AND LIGHTING CONTROLS REPLACEMENT WILL BE INCLUDED IN BASE BID AND WILL BE DEDUCT ALTERNATE #1. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL DETAILS.
 - B. SURFACE RACEWAY SHALL NOT BE USED IN ANY FINISHED AREAS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
 - C. INSTALL DEVICES SUCH THAT NO TWO DEVICES ON OPPOSITE SIDES OF SAME WALL ARE WITHIN 6" OF EACH OTHER.
 - D. COORDINATE ALL DEVICES WITH ARCHITECTURAL PLANS AND CASEWORK SUBMITTALS.
 - E. OCCUPANCY AND DAYLIGHT SENSORS SHALL BE LOCATED PER MANUFACTURER'S RECOMMENDATIONS. IN EVENT OF CONFLICT OF DESIGNED DRAWINGS AND MANUFACTURER RECOMMENDATIONS, ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
 - F. REFER TO SPECIFICATION SECTION 26 0943 FOR ADDITIONAL DETAILS ASSOCIATED WITH THE LIGHTING CONTROLS. EACH AREA OF CONTROL SHALL HAVE A DEDICATED POWER PACK WITH ALL DEVICES SHOWN ON PLANS OPERATING TOGETHER.
 - G. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN SUCH WAY THAT DRIVERS ARE ACCESSIBLE WITHOUT CUTTING OF CEILING. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF AREAS WHERE THIS IS NOT POSSIBLE.
 - H. ALL WALL-MOUNTED FIXTURES SHALL HAVE EXACT ROUGH-IN LOCATION DETERMINED BY DESIGN TEAM PRIOR TO ROUGH-IN.
 - I. THE ELECTRICAL CONTRACTOR SHALL EXTEND AN UNSWITCHED HOT CONDUCTOR FROM THE NEAREST LIGHTING CIRCUIT OUT OF PANEL GE-LA TO EXIT SIGNS REQUIRED FOR EMERGENCY EGRESS OPERATION.
 - J. CONTRACTOR SHALL PROVIDE A UL924 RATED TRANSFER DEVICE IN ALL AREAS WHERE EMERGENCY EGRESS LIGHTING IS REQUIRED PER NFPA 101. LIGHTING CONTROLS MANUFACTURER SHALL DETERMINE EXACT QUANTITIES WITH LIGHTING CONTROL ZONES AND LAYOUTS.
 - K. UNLESS NOTED OTHERWISE BY DESIGNATED "LIGHTING CONTROL ZONES", SWITCHES SHOWN WILL CONTROL ALL FIXTURES IN THE ROOM SHOWN.
 - L. PROGRAMMABLE DEVICES SHALL BE CONFIGURED WITH THE CONTROL ZONES SHOWN ON THE PLANS AND SCENES PER CLIENT DIRECTION DURING COMMISSIONING.
 - M. REFER TO ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR SPECIFIC DEVICE ROUGH-IN AND PLACEMENT. ANY DEVIATIONS FROM THE ARCHITECTURAL ELEVATIONS AND RCP'S SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT PRIOR TO ROUGH-IN. IF A DEVICE IS REQUIRED PER SPECIFICATION, REQUIRED FOR OPERATION, OR IS DIFFERENT IN CONFIGURATION THAN SHOWN ON ELEVATIONS AND RCP'S, CLARIFICATION AND DIRECTION MUST BE GIVEN BY THE ARCHITECT BEFORE ROUGH-IN. DEVIATIONS OR ADDITIONAL DEVICES NOT APPROVED PRIOR TO INSTALLATION SHALL BE CORRECTED AT CONTRACTOR'S EXPENSE. THIS INCLUDES BUT IS NOT LIMITED TO THERMOSTATS, CONTROL SYSTEM SENSORS, ELECTRICAL DEVICES, SWITCHES, DIMMERS, TECHNOLOGY DEVICES, A/V DEVICES, SPEAKERS, FIRE ALARM DEVICES, ETC.
 - N. CEILING CONTRACTOR SHALL PROVIDE AND INSTALL CEILING ACCESS PANELS FOR ACCESSIBILITY TO ELECTRICAL JUNCTION BOXES, PLUMBING VALVES, BALANCING DAMPERS, CIRCUIT SETTERS, ETC. WHERE ABSOLUTELY NECESSARY. LOCATIONS WILL NEED TO BE APPROVED AND COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION.

- REFERENCED NOTES:**
1. EXISTING ELECTRICAL ROOM.
 2. EXTEND NEAREST NORMAL LIGHTING CIRCUIT IN AREA FROM SPARE BREAKER CREATED THROUGH DEMOLITION. CIRCUIT SHALL NOT EXCEED 1920W ON 20A BREAKER.
 3. EXTEND NEAREST EMERGENCY LIGHTING CIRCUIT IN AREA FROM PANEL GE-LA LOCATED IN BASEMENT. REDUCE SPARE BREAKER CREATED THROUGH DEMOLITION. CIRCUIT SHALL NOT EXCEED 1920W ON 20A BREAKER. FIXTURE SHALL BE CONNECTED TO LIGHTING CONTROLS IN AREA. PROVIDE UL924 DEVICE.
 4. EXTEND EXISTING SPARE CIRCUIT CREATED THROUGH DEMOLITION OF AUTO OPERATORS.
 5. EXTEND 120V NORMAL POWER CIRCUIT FROM DEMOLISHED ELECTRICAL DEVICES.
 6. PROVIDE 200V-1PH, 30A CIRCUIT FROM NEAREST NORMAL ELECTRICAL PANEL ASSURE 100' DISTANCE TO WEST ELECTRICAL ROOM OFF OF TREASURER'S OFFICE 109 FOR BIDDING PURPOSES.
 7. ADA PUSH BUTTONS AND DOOR OPERATORS BY GENERAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL WIRE AND MOUNT BUTTONS. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS.
 8. SURFACE MOUNTED WRAPAROUND FIXTURE IN STAIR SHALL BE REPLACED IN PLACE WITH 1X4 SURFACE MOUNTED, BACK-LIT FIXTURE. RECONNECT EXISTING CIRCUIT.
 9. PROVIDE (2) ADDITIONAL FE TYPE LIGHT FIXTURES TO REPLACE SURFACE MOUNTED FIXTURES AT BASEMENT FLOOR STAIR LANDINGS. FIXTURES SHALL BE REPLACED IN PLACE AND RECONNECTING TO EXISTING CIRCUIT. PROVIDE (1) ADDITIONAL OCCUPANCY SENSOR FOR BASEMENT FLOOR LANDING.
 10. CONDUIT SHALL BE SURFACE MOUNTED TO BOTTOM OF CONCRETE. COORDINATE AND SEAL ALL CONDUIT PENETRATIONS FOR CIRCUITS LEAVING THE BUILDING.
 11. NO ELECTRICAL SCOPE IN THIS AREA. CIRCUIT CONTINUITY SHALL BE MAINTAINED. COORDINATE ANY REQUIRED CIRCUIT DOWNTIME WITH OWNER PRIOR TO INTERRUPTION OF POWER.

1 SECOND FLOOR LIGHTING PLAN
1/8" = 1'-0"

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

Revisions	Rev	Description	Date
	1	Project Number 22072 Issued for Bidding Project Manager MEM Issued for Construction	02-13-2024

Sheet Title

SECOND FLOOR
LIGHTING PLAN

E202

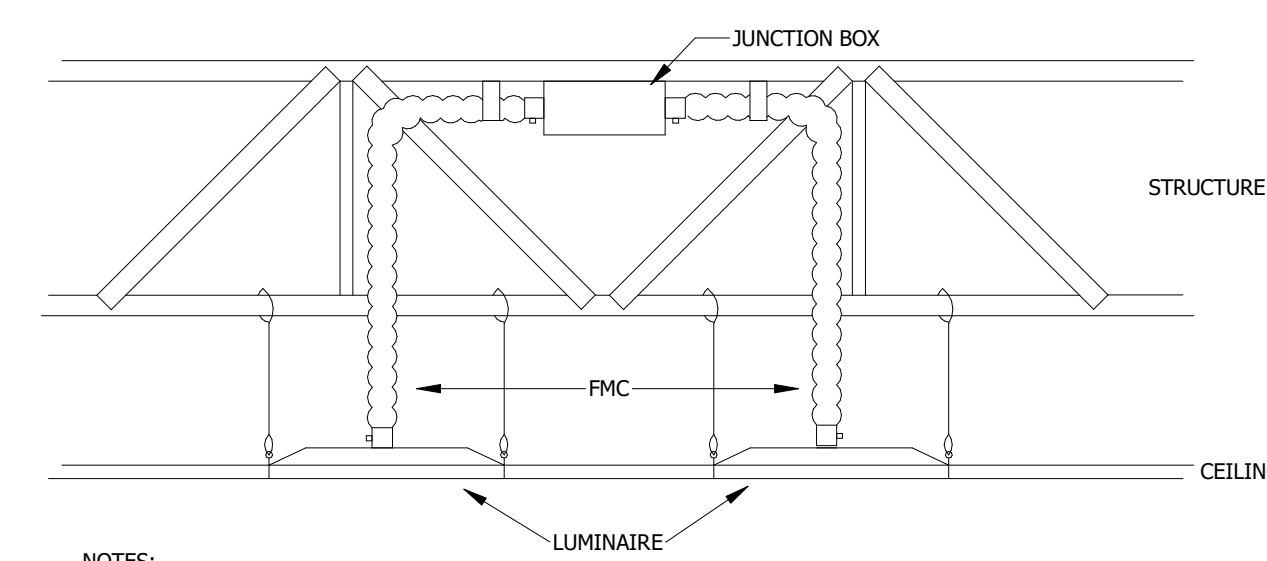


WATERLOO | DES MOINES | IOWA CITY
214 EAST 4TH ST. 130 EAST 3RD ST. 118 EAST COLLEGE ST.
WATERLOO, IOWA DES MOINES, IOWA IOWA CITY, IOWA
(319)235-0650 (515)251-7280 (319)248-4600

TYPE	BOD MANUFACTURER	MODEL NUMBER	DESCRIPTION	LAMP/CCT/CRI	CONTROL	DELIVERED LUMENS	WATTS	VOLTS	EQUALS
DA	PRESCOLITE	LFR-4RD-RH-10L-40K-8-WD-DM1 LFR-4RD-T-S-WTT LFR-4RD-H	4" LED DOWNLIGHT, SEMI-SPECULAR FINISH, 0.75"/MH, ACCESSIBLE FROM BELOW CEILING POST INSTALLATION.	LED/4000K/80	0-10V, 10%	1,000	8	UNV	GOTHAM PORTFOLIO
EA	DUAL-LITE	EVE-U-R-W	LED EXIT SIGN, UNIVERSAL FACE WITH RED LETTERS, WHITE HOUSING, PROVIDE CHEVRONS AND FACES PER PLANS, MAINTENANCE FREE BATTERY.	LED/RED	N/A	N/A	2	UNV	LITHONIA EMERG-LITE
FA	LITHONIA	CLX-L48-3000LM-SEF-FDL-MVOLT-G210-40K-80CRI-WH	4' LED STRIP LIGHT, FLAT DIFFUSE LENS, PROVIDE ACCESSORIES REQUIRED FOR SURFACE MOUNTED INSTALLATION.	LED/4000K/80	0-10V, 10%	3,000	24	UNV	METALIX COLUMBIA
FB	BEACON	SRTJ-15-4K7-5QW-UNV-XXX	SURFACE MOUNTED ROUND EXTERIOR FIXTURE, EDGE-LIT FLAT LENS, VLET LOCATION IP65 RATED, ARCHITECT TO SELECT FINISH DURING SUBMITTAL.	LED/4000K/70	0-10V	2,000	15W	UNV	LITHONIA
FC	BEACON	LSQJ-40-4K7-UNV-XXX-PCU	SURFACE MOUNTED LED SQUARE CANOPY FIXTURE WITH INTEGRAL PHOTOCELL, IP65 RATED, ARCHITECT SHALL VERIFY FINISH AT TIME OF SUBMITTAL.	LED/4000K/70	NONE	4,500	37	UNV	ENGINEER APPROVED
FD	LITHONIA	CPX-1X4-4000LM-80CRI-40K-SWL-MN10-EZT-MVOLT	1X4 LED BACK-LIT LUMINOUS PANEL, SATIN WHITE LENS, PROVIDE SURFACE MOUNT KIT FOR SURFACE MOUNTED INSTALLATION.	LED/4000K/80	0-10V, 10%	4,000	36	UNV	METALIX COLUMBIA
LA	LITECONTROL	4L-DW-D-X-SOF-CI-40K-D400-D01-1C-UNV	RECESSED LED LINEAR FIXTURE, SOFT DIFFUSE LENS, LENGTH INDICATED ON PLAN.	LED/4000K/80	0-10V, 1%	400 LM/FT	3.4 W/FT	UNV	FINELITE MARK ARCHITECTURAL
PA	LITECONTROL	4L-P-ID-STD-8-08-SOF-XX-40K-1650-D650-D01-2C-UNV-F AL	8' LINEAR PENDANT WITH AN 4" APERTURE, INDIRECT/DIRECT DISTRIBUTION, FIELD ADJUSTABLE AIRCRAFT CABLING SUSPENSION, 2 CIRCUIT WIRING, EXTRUDED ALUMINUM HOUSING, ARCHITECT TO SELECT FINISH DURING SUBMITTAL.	LED/4000K/90	0-10V,1%	300 LM/FT (UP 300 LM/FT, DOWN	83.2	UNV	FINELITE MARK ARCHITECTURAL
RA	LITHONIA	CPX-2X4-4000LM-80CRI-40K-SWL-MN10-EZT-MVOLT	2X4 LED BACK-LIT LUMINOUS PANEL, SATIN WHITE LENS.	LED/4000K/80	0-10V, 10%	4,000	36	UNV	METALIX COLUMBIA
RB	LITHONIA	CPX-2X2-3500LM-80CRI-40K-SWL-MN10-EZT-MVOLT	2X2 LED BACK-LIT LUMINOUS PANEL, SATIN WHITE LENS.	LED/4000K/80	0-10V, 10%	3,200	30	UNV	METALIX COLUMBIA
RC	LITHONIA	CPX-2X4-3000LM-80CRI-40K-SWL-MN10-EZT-MVOLT	2X4 LED BACK-LIT LUMINOUS PANEL, SATIN WHITE LENS.	LED/4000K/80	0-10V, 10%	3,000	25	UNV	METALIX COLUMBIA
WA	COLUMBIA	CWM-4-40-MW-SH-FR-FA-EDU	2' LED SURFACE MOUNT VANITY LIGHT WITH FROSTED RECTILINEAR LENS.	LED/4000K/80	0-10V	4,000	20	UNV	ENGINEER APPROVED

NOTES:

- LINEAR FIXTURE ACTUAL LENGTH CONFIRM WITH CEILING SYSTEM FOR EXACT FIT.
 - PROVIDE ALL PARTS AND PIECES FOR A COMPLETE AND FULLY FUNCTIONAL LIGHTING SYSTEM.
 - CONTRACTOR SHALL INSTALL ALL FIXTURES PER MANUFACTURER RECOMMENDATIONS IN LOCATIONS SHOWN ON DRAWING AND NOTIFY DESIGN TEAM IF THIS IS NOT POSSIBLE PRIOR TO ROUGH-IN.
 - VERIFY ALL WALL MOUNTED FIXTURE LOCATIONS WITH THE LIGHTING DESIGNER AND ARCHITECT PRIOR TO ROUGH-IN.
 - ARCHITECT SHALL SELECT ALL FINISH/COLORS AT TIME OF SUBMITTAL.
 - COORDINATE ALL DRIVERS WITH CONTROLS TO INSURE FULL COMPATIBILITY.
 - VERIFY ALL FINAL CEILING TYPES AND MOUNTING CONFIGURATIONS PRIOR TO RELEASE OF FIXTURES.
- LIGHT FIXTURE SCHEDULE BY: ANDREW WEBER, AWEBER@MODUS-ENG.COM, (319) 248-4600.



- NOTES:**
- MAXIMUM TOTAL LENGTH OF FMC LIMITED TO 6 FEET WITHOUT SEPARATE EQUIPMENT GROUND CONDUCTOR.
 - LUMINAIRES SHALL NOT BE DAISSY CHAINED TOGETHER WITH FMC.
 - REFER TO ARTICLE 250.118(5)D FOR ADDITIONAL DETAILS.

1 TYPICAL LIGHT FIXTURE WIRING DETAIL
No Scale

BRANCH GE-LA													
Location: STORAGE 015				Volts: 120/208 Wye				S.C.C.R. Rating:					
Supply From:				Phases: 3				Mains Type: MCB					
Mounting: Surface				Wires: 4				Mains Rating: 125 A					
Enclosure: Type 1								MCB Rating: 100 A					
Available Isc: EXISTING PANEL								SPD: NONE					
Notes: EXISTING GE A-SERIES II PANELBOARD, LOCATED IN BASEMENT ON EAST END.													
CKT	Circuit Description	Type	Trip	Poles	A	B	C	Poles	Trip	Type	Circuit Description	CKT	
GE-LA-1	LTS B CORR. & S. STAIRS	E	20 A	1	0	0		2	30 A	E	GEN CONTROL PANEL	GE-LA-2	
GE-LA-3	LTS 1ST & 2ND FLOOR S.	E	20 A	1		0	0			E		GE-LA-4	
GE-LA-5	EXIT LIGHTS & SOUTH	E	20 A	1			0	0	1	20 A	E	PUMP	GE-LA-6
GE-LA-7	EXIT LIGHT - DATA	E	20 A	1	0	0			2	20 A	E	ACCU-1	GE-LA-8
GE-LA-9	EXIT LIGHT	E	20 A	1			0	0			E		GE-LA-10
GE-LA-11	EXIT LIGHT	E	20 A	1			0	0	1	20 A	E	ACCU-1 RECEPT.	GE-LA-12
GE-LA-13	MAIN ENT. & N. STAIR	E	20 A	1	0	0			1	20 A	E	EMER. ROOM LIGHT	GE-LA-14
GE-LA-15	LTS 1ST & 2ND FLOOR N.	E	20 A	1		0	0		1	15 A	E	SPARE	GE-LA-16
GE-LA-17	EXIT LTS NORTH	E	20 A	1			0	0	1	15 A	E	SPARE	GE-LA-18
GE-LA-19	EGRESS LIGHTS	E	20 A	1	0	0			1	15 A	E	SPARE	GE-LA-20
GE-LA-21	TELEPHONE	E	20 A	1		0	0		1	15 A	E	SPARE	GE-LA-22
GE-LA-23	SPARE	E	20 A	1			0	0	1	15 A	E	SPARE	GE-LA-24
GE-LA-25	EMERG. ROOM RECEPT.	E	20 A	1	0	0			1	15 A	E	SPARE	GE-LA-26
GE-LA-27	ELEV. CAB LIGHTS	E	20 A	1		0	0		2	15 A	E	MSCU-2	GE-LA-28
GE-LA-29	ELEV. A RECEPT.	E	20 A	1			0	0					GE-LA-30
GE-LA-31	SPACE	--	1	--	--				1	--		SPACE	GE-LA-32
GE-LA-33	SPACE	--	1		--	--			1	--		SPACE	GE-LA-34
GE-LA-35	SPACE	--	1			--	--	--	1	--		SPACE	GE-LA-36
GE-LA-37	SPACE	--	1	--	--				1	--		SPACE	GE-LA-38
GE-LA-39	SPACE	--	1		--	--			1	--		SPACE	GE-LA-40
GE-LA-41	SPACE	--	1			--	--	--	1	--		SPACE	GE-LA-42
					Total Load:	0 VA	0 VA	0 VA					
					Total Amps:	0 A	0 A	0 A					
Type Legend: N=NORMAL G=GFI M=MOTORIZED E=EXISTING ST=SHUNT TRIP A=ARC FAULT H=HANDLE LOCK													
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals									
				Total Conn. Load:		0.0 kVA							
				Total Est. Demand:		0.0 kVA							
				Total Conn. Current:		0 A							
				Total Est. Demand Current:		0 A							
Notes:													

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

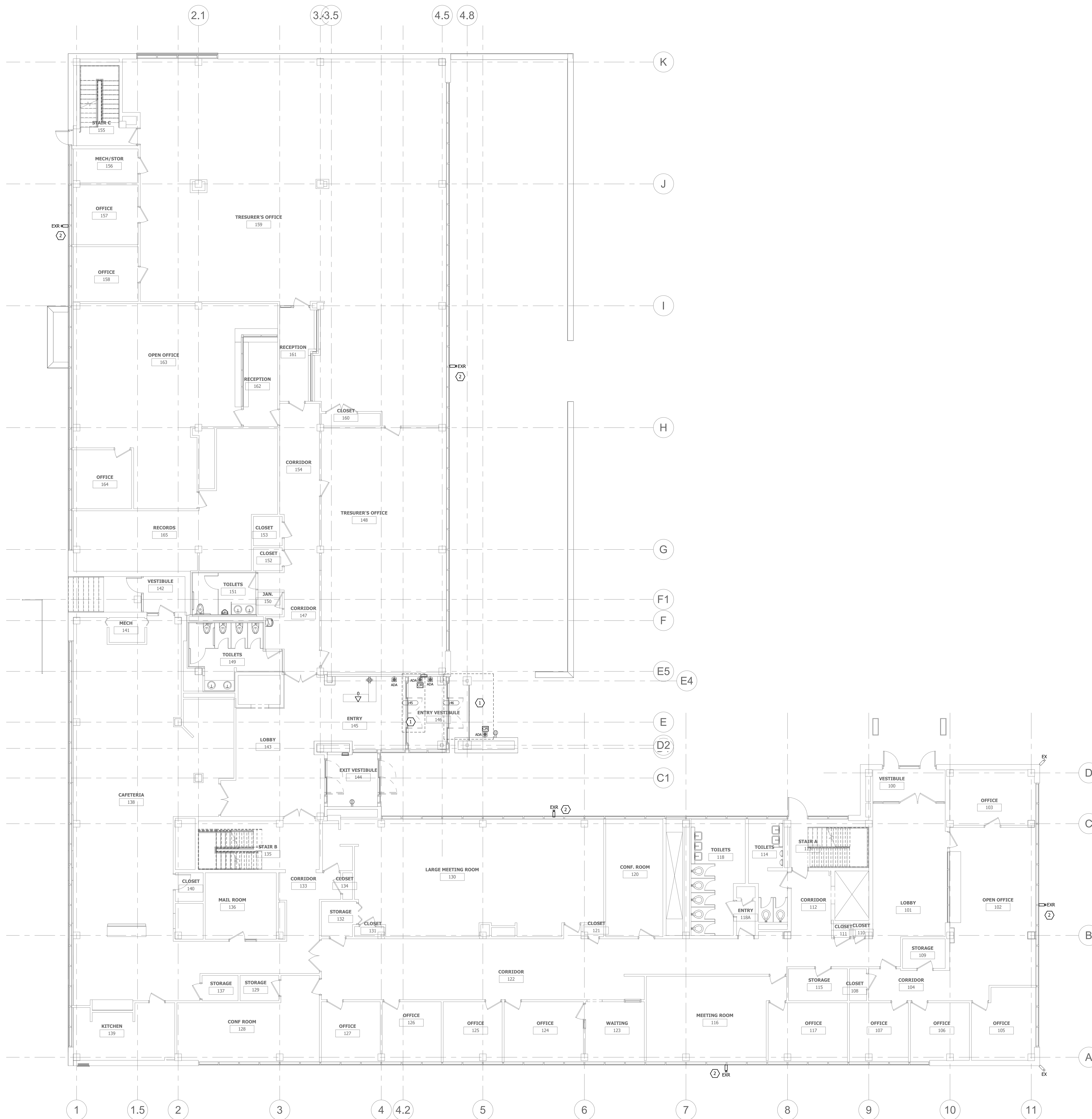
Revisions	Rev	Description	Date
	22072	Issued for Bidding	02-13-2024
	MEM	Issued for Construction	

2025/05/16 09:53 AM
All numbers based on 2024.18.18.0001.001

Sheet Title

ELECTRICAL
DETAILS &
SCHEDULES

E501



1 FIRST FLOOR LOW VOLTAGE PLAN
1/8" = 1'-0"

GENERAL NOTES:

- A. DEDUCT ALTERNATE #1, CEILING REPLACEMENT AND ASSOCIATED DEVICE REMOVAL/REINSTALLATION INCLUDED IN BASE BID AND WILL BE DEDUCT ALTERNATE #1. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL DETAILS.
- B. PROVIDE CONDUIT SLEEVES WITH INSULATED BUSHINGS SERVING ALL LOW VOLTAGE CABLING. DO NOT EXCEED 40% PIPE FILL.
- C. INSTALL DEVICES SUCH THAT NO TWO DEVICES ON OPPOSITE SIDES OF SAME WALL ARE WITHIN 6" OF EACH OTHER.
- D. COORDINATE ELECTRICAL REQUIREMENTS WITH DOOR CONTRACTOR PRIOR TO INSTALLATION.
- E. COORDINATE ALL DEVICES WITH ARCHITECTURAL PLANS, CASEWORK SUBMITTALS, & OWNER PROVIDED EQUIPMENT.
- F. FIRE ALARM INITIATING DEVICES SHALL NOT BE INSTALLED WITHIN 36 INCHES HORIZONTALLY FROM FORCED AIR HVAC DIFFUSERS OR THE END OF CEILING FAN BLADES.
- G. PRIMARY TELECOM ROOM LOCATED IN THE BASEMENT. ALL LOW VOLTAGE SYSTEMS SHALL BE SERVED FROM THIS LOCATION.
- H. VIDEO SURVEILLANCE CONTRACTOR SHALL PROTECT EXISTING CATEGORY CABLE FOR RELOCATION. SECURITY CAMERAS SHALL BE INSTALLED AND CONNECTED BY SECURITY CONTRACTOR.
- I. CEILING DEVICES NOTED AS EXR SHALL BE PROTECTED BY ELECTRICAL CONTRACTOR DURING CONSTRUCTION AND REINSTALLED IN NEW TILE AT THE SAME LOCATION IN NEW CONSTRUCTION.

REFERENCED NOTES: (1)

- 1. ACCESS CONTROL LOCATION. REFER TO LOW VOLTAGE DETAILS AND ARCHITECTURAL SPECIFICATION SECTION 08-7100 FOR OPERATION AND FURTHER ROUGH-IN/BIDDING INFORMATION. COORDINATE ALL DOORHOLDS, CASE HEADERS, ADA PUSHBUTTONS, AND OTHER ACCESSORIES WITH ARCHITECT AND DESIGN TEAM PRIOR TO ROUGH-IN.
- 2. VIDEO SURVEILLANCE CONTRACTOR SHALL CLOSELY COORDINATE RELOCATION AND MOUNTING OF SECURITY CAMERAS ON NEW WINDOW. CONTRACTOR SHALL PROVIDE NEW PATCH CABLE FROM EXTERIOR TO EXISTING INTERIOR TERMINATION.

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
BUILDING -
ADDITION &
ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

Rev	Description	Date
22072	Issued for Bidding	02-13-2024
MEM	Issued for Construction	

Project Manager: MEM
Approved: Chris 2/20/24, Clinton County Public Works Building Division, Registration #21867, Clinton Co. 2023/05/18 09:43 AM
 All numbers based on 20x42, 1/4" sheet size.

Sheet Title

LOW VOLTAGE
FIRST FLOOR
PLAN

T101



1 FIRST FLOOR LOW VOLTAGE CEILING PLAN
1/8" = 1'-0"

GENERAL NOTES:

- A. DEDUCT ALTERNATE #1, CEILING REPLACEMENT AND ASSOCIATED DEVICE REMOVAL/REINSTALLATION INCLUDED IN BASE BID AND WILL BE DEDUCT ALTERNATE #1. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL DETAILS.
- B. PROVIDE CONDUIT SLEEVES WITH INSULATED BUSHINGS SERVING ALL LOW VOLTAGE CABLING. DO NOT EXCEED 40% PIPE FILL.
- C. INSTALL DEVICES SUCH THAT NO TWO DEVICES ON OPPOSITE SIDES OF SAME WALL ARE WITHIN 6" OF EACH OTHER.
- D. COORDINATE ELECTRICAL REQUIREMENTS WITH DOOR CONTRACTOR PRIOR TO INSTALLATION.
- E. COORDINATE ALL DEVICES WITH ARCHITECTURAL PLANS, CASEWORK SUBMITTALS, & OWNER PROVIDED EQUIPMENT.
- F. FIRE ALARM INITIATING DEVICES SHALL NOT BE INSTALLED WITHIN 36 INCHES HORIZONTALLY FROM FORCED AIR HVAC DIFFUSERS OR THE END OF CEILING FAN BLADES.
- G. PRIMARY TELECOM ROOM LOCATED IN THE BASEMENT. ALL LOW VOLTAGE SYSTEMS SHALL BE SERVED FROM THIS LOCATION.
- H. VIDEO SURVEILLANCE CONTRACTOR SHALL PROTECT EXISTING CATEGORY CABLE FOR RELOCATION. SECURITY CAMERAS SHALL BE INSTALLED AND CONNECTED BY SECURITY CONTRACTOR.
- I. CEILING DEVICES NOTED AS EXR SHALL BE PROTECTED BY ELECTRICAL CONTRACTOR DURING CONSTRUCTION AND REINSTALLED IN NEW TILE AT THE SAME LOCATION IN NEW CONSTRUCTION.

REFERENCED NOTES: (D)

- 1. ACCESS CONTROL LOCATION. REFER TO LOW VOLTAGE DETAILS AND ARCHITECTURAL SPECIFICATION SECTION 08-7100 FOR OPERATION AND FURTHER ROUGH-IN/BIDDING INFORMATION. COORDINATE ALL DOORHEADS, CASE HEADERS, ADA PUSHBUTTONS, AND OTHER ACCESSORIES WITH ARCHITECT AND DESIGN TEAM PRIOR TO ROUGH-IN.
- 2. VIDEO SURVEILLANCE CONTRACTOR SHALL CLOSELY COORDINATE RELOCATION AND MOUNTING OF SECURITY CAMERAS ON NEW WINDOW. CONTRACTOR SHALL PROVIDE NEW PATCH CABLE FROM EXTERIOR TO EXISTING INTERIOR TERMINATION.

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION
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ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

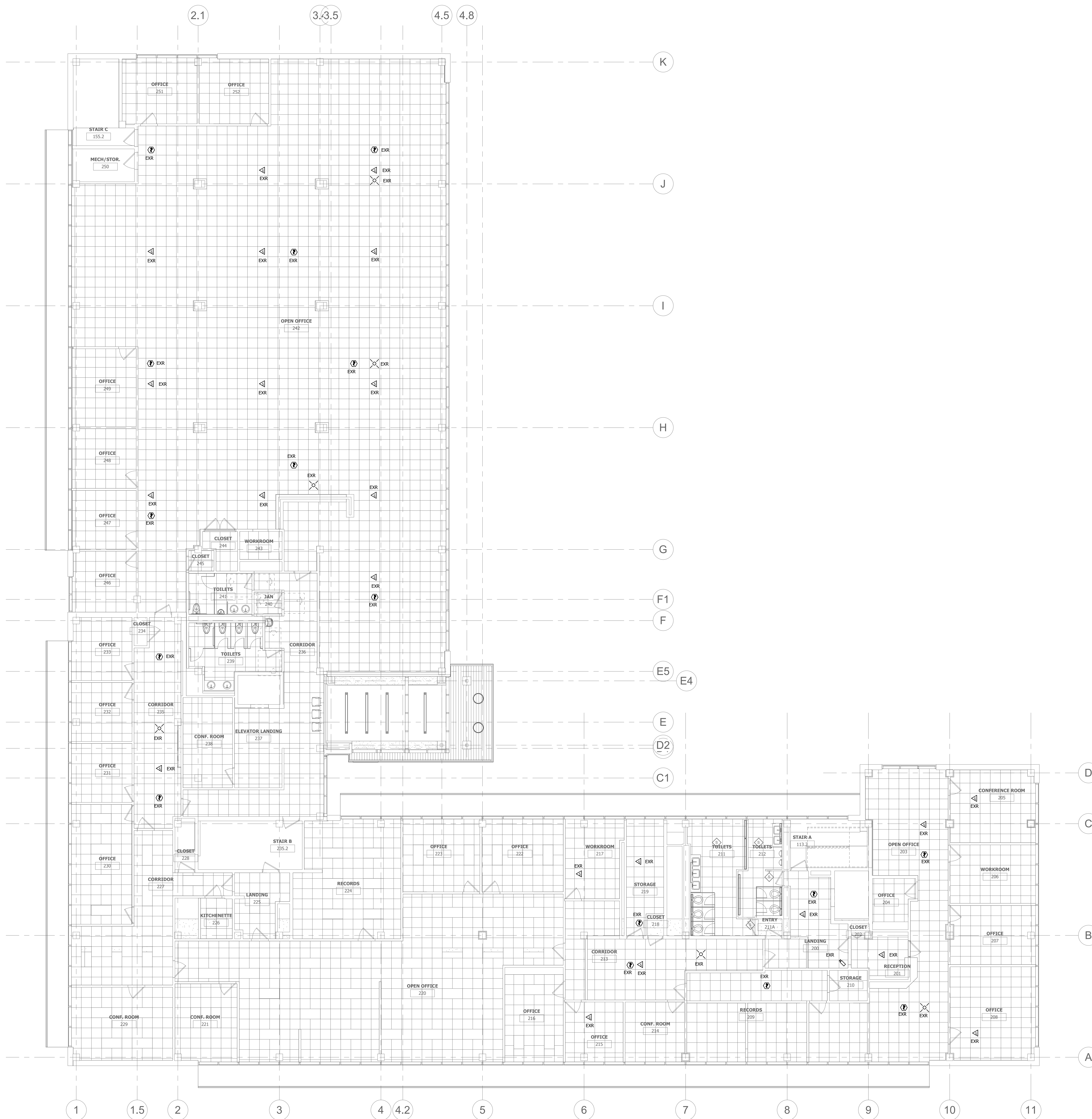
Revisions	Rev	Description	Date
	1	Project Number 22072 Issued for Bidding	02-13-2024
	2	Project Manager MEM Issued for Construction	

Approved: [Signature] Clinton County Board of Supervisors
At scales based on: 3/4" = 1'-0", 1/4" = 1'-0"

Sheet Title

LOW VOLTAGE
FIRST FLOOR
CEILING PLAN

T201



1 SECOND FLOOR LOW VOLTAGE CEILING PLAN
1/8" = 1'-0"

GENERAL NOTES:

- A. DEDUCT ALTERNATE #1. CEILING REPLACEMENT AND ASSOCIATED DEVICE REMOVAL/REINSTALLATION INCLUDED IN BASE BID AND WILL BE DEDUCT ALTERNATE #1. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL DETAILS.
- B. PROVIDE CONDUIT SLEEVES WITH INSULATED BUSHINGS SERVING ALL LOW VOLTAGE CABLING. DO NOT EXCEED 40% PIPE FILL.
- C. INSTALL DEVICES SUCH THAT NO TWO DEVICES ON OPPOSITE SIDES OF SAME WALL ARE WITHIN 6" OF EACH OTHER.
- D. COORDINATE ELECTRICAL REQUIREMENTS WITH DOOR CONTRACTOR PRIOR TO INSTALLATION.
- E. COORDINATE ALL DEVICES WITH ARCHITECTURAL PLANS, CASEWORK SUBMITTALS, & OWNER PROVIDED EQUIPMENT.
- F. FIRE ALARM INITIATING DEVICES SHALL NOT BE INSTALLED WITHIN 36 INCHES HORIZONTALLY FROM FORCED AIR HVAC DIFFUSERS OR THE END OF CEILING FAN BLADES.
- G. PRIMARY TELECOM ROOM LOCATED IN THE BASEMENT. ALL LOW VOLTAGE SYSTEMS SHALL BE SERVED FROM THIS LOCATION.
- H. VIDEO SURVEILLANCE CONTRACTOR SHALL PROTECT EXISTING CATEGORY CABLE FOR RELOCATION. SECURITY CAMERAS SHALL BE INSTALLED AND CONNECTED BY SECURITY CONTRACTOR.
- I. CEILING DEVICES NOTED AS EXR SHALL BE PROTECTED BY ELECTRICAL CONTRACTOR DURING CONSTRUCTION AND REINSTALLED IN NEW TILE AT THE SAME LOCATION IN NEW CONSTRUCTION.

REFERENCED NOTES:

- 1. ACCESS CONTROL LOCATION. REFER TO LOW VOLTAGE DETAILS AND ARCHITECTURAL SPECIFICATION SECTION 08-7100 FOR OPERATION AND FURTHER ROUGH-IN/BIDDING INFORMATION. COORDINATE ALL DOORHEADS, CASE HEADERS, ADA PUSHBUTTONS, AND OTHER ACCESSORIES WITH ARCHITECT AND DESIGN TEAM PRIOR TO ROUGH-IN.
- 2. VIDEO SURVEILLANCE CONTRACTOR SHALL CLOSELY COORDINATE RELOCATION AND MOUNTING OF SECURITY CAMERAS ON NEW WINDOW. CONTRACTOR SHALL PROVIDE NEW PATCH CABLE FROM EXTERIOR TO EXISTING INTERIOR TERMINATION.

Client Name
CLINTON COUNTY

Project Name
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Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

Rev	Description	Date
Project Number	22072	02-13-2024
Issued for Bidding		
Project Manager	MEM	Issued for Construction

Approved: _____
2024/02/13 10:41 AM
All numbers based on: 2024/02/13 10:41 AM

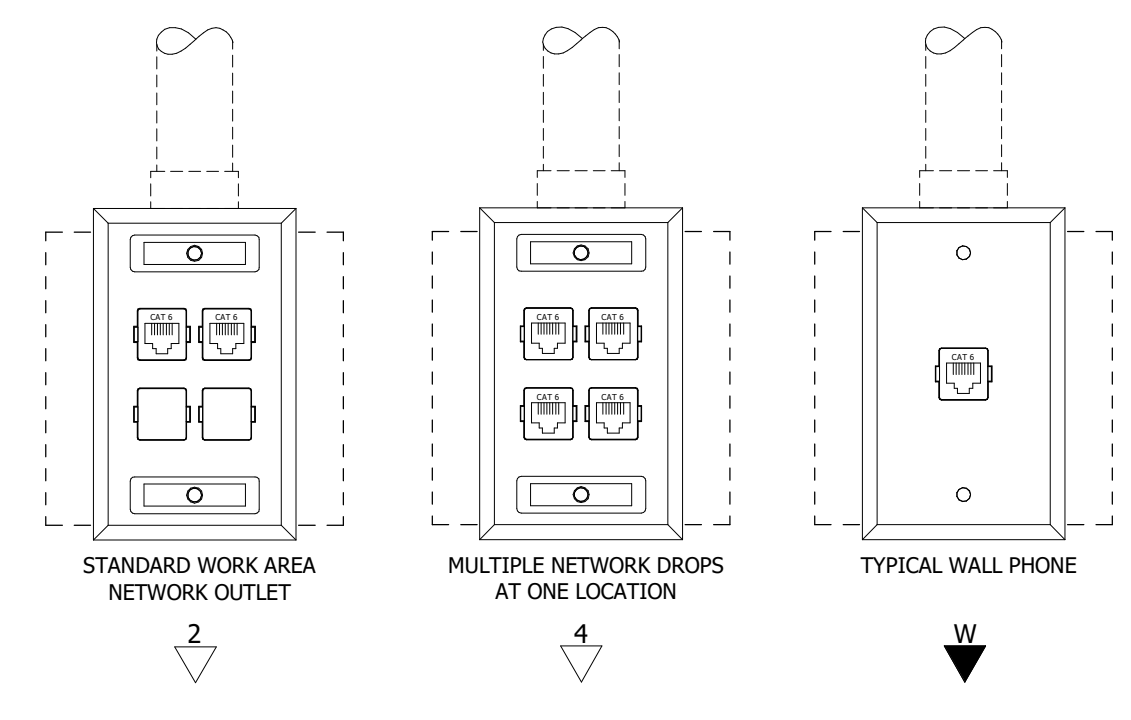
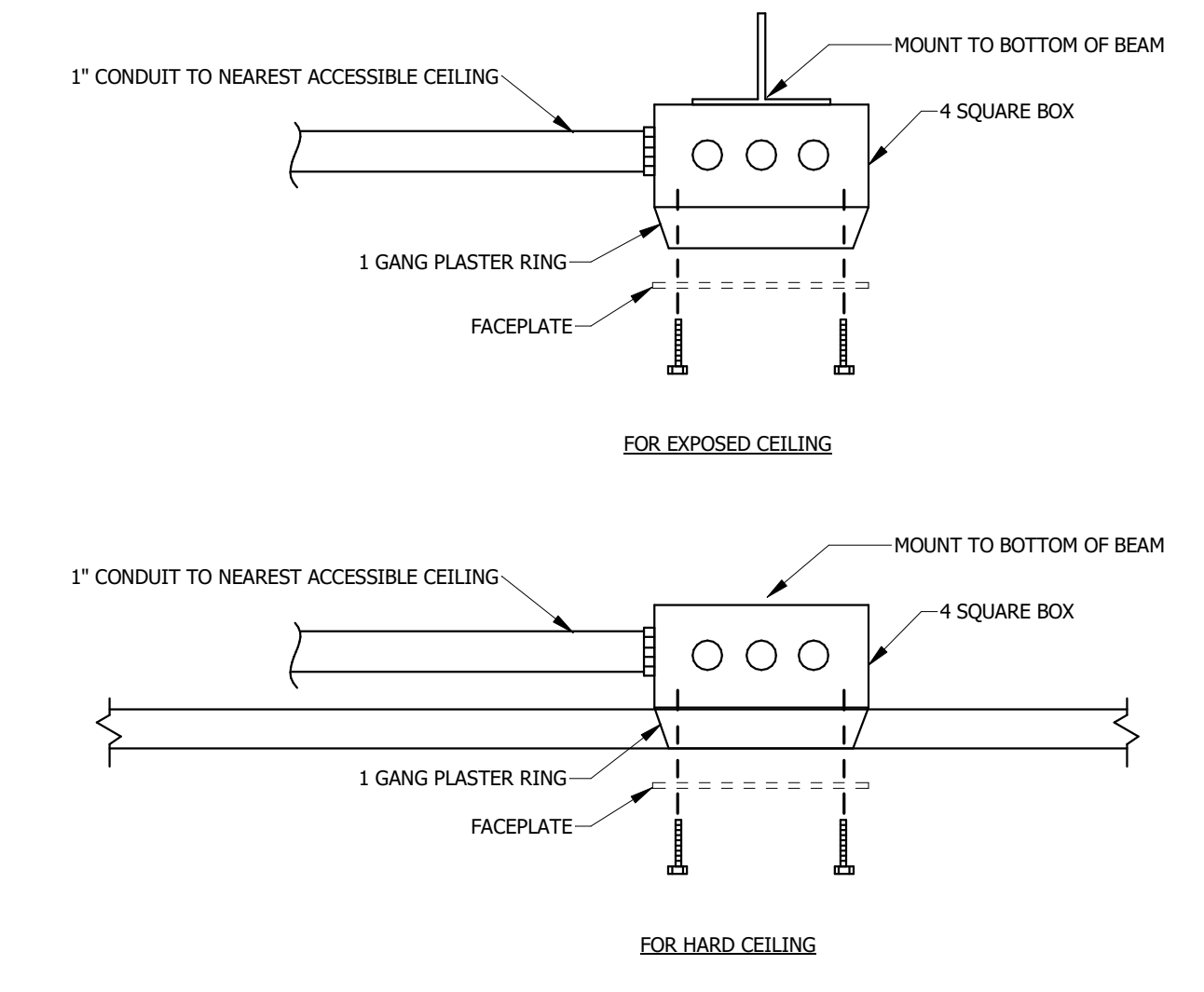
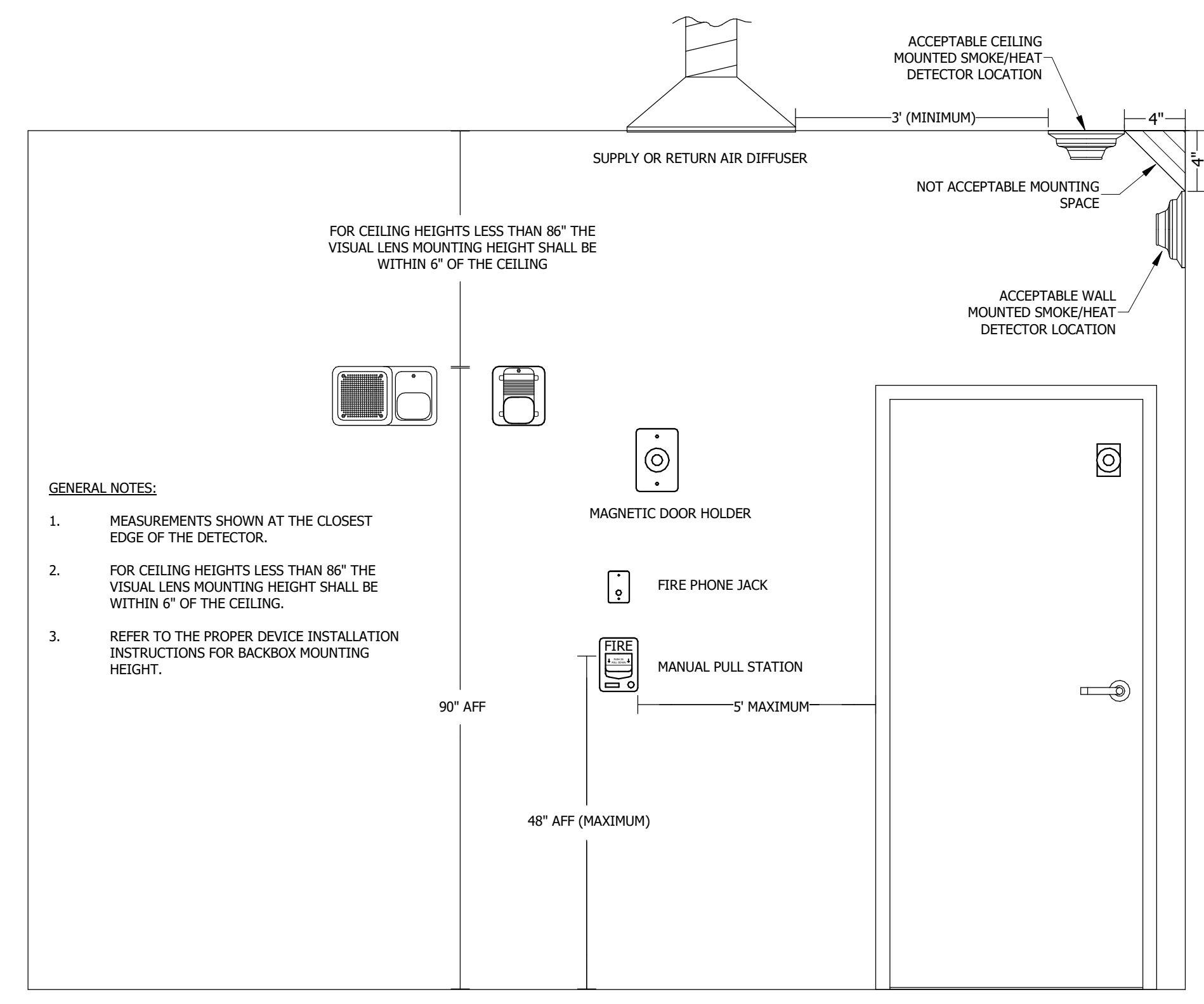
Sheet Title

LOW VOLTAGE
SECOND FLOOR
CEILING PLAN

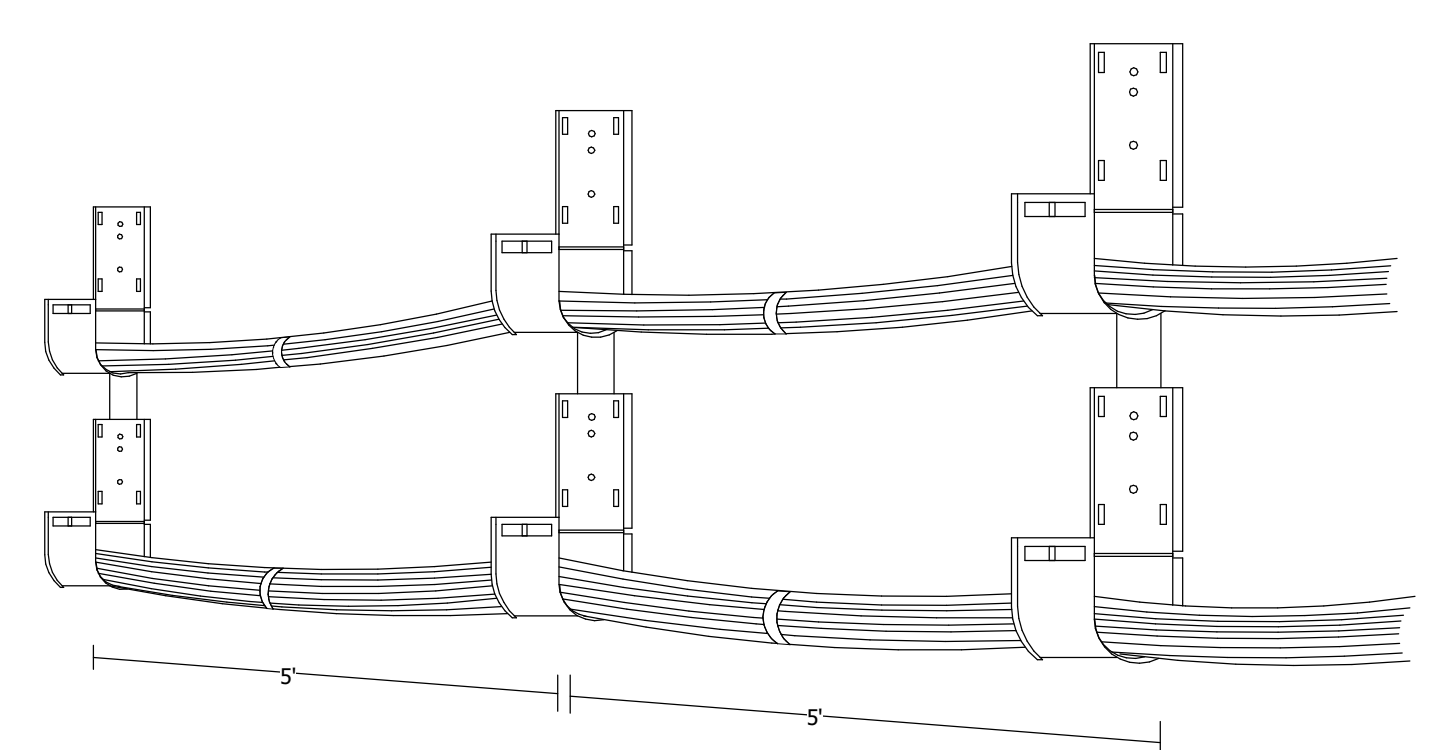
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Revisions	Rev	Description	Date
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	MEM	Issued for Construction	

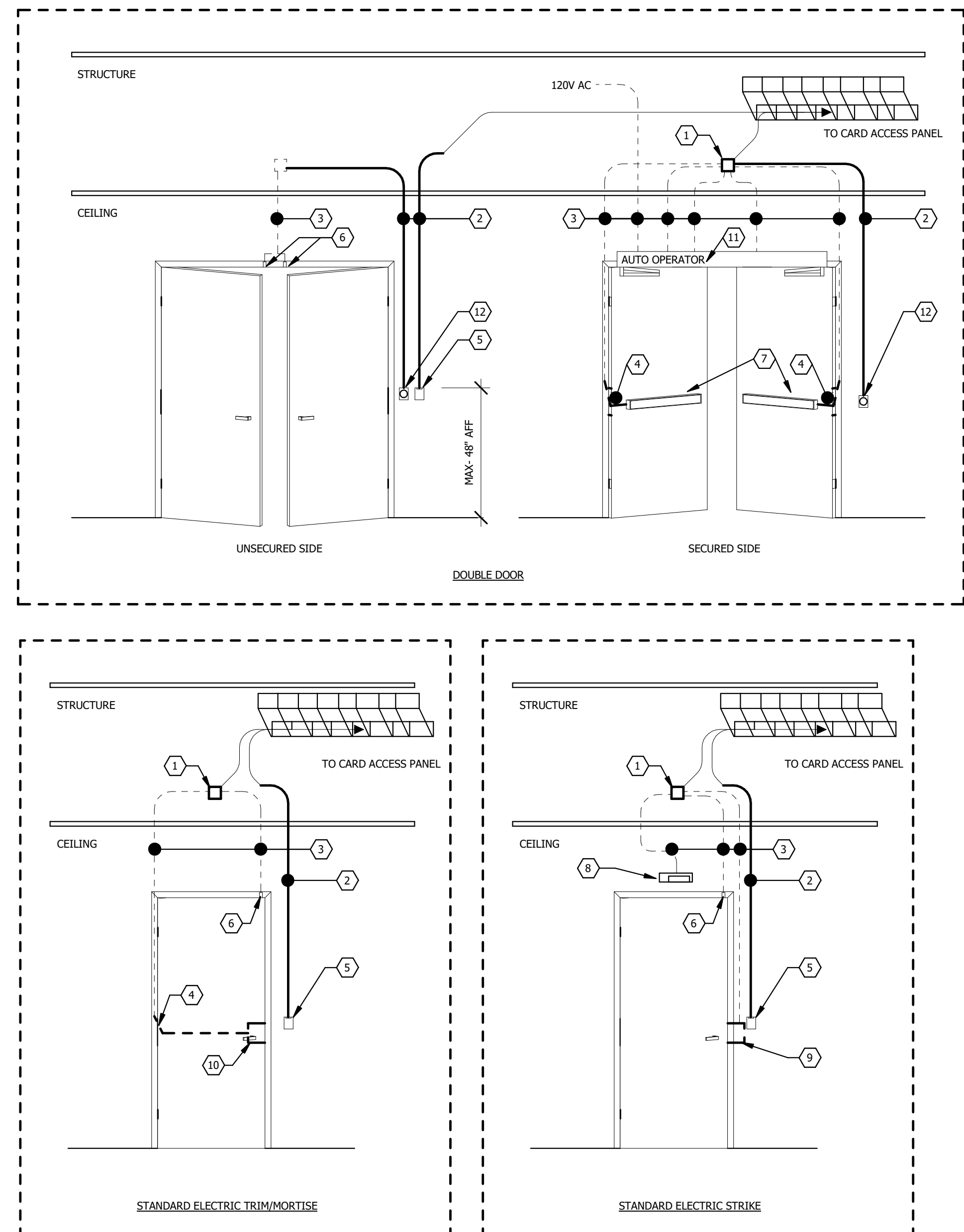
Approved: [Signature] Clinton County Public Works Building Division, Registration # 02-0851-0001
All scales based on 1/8" = 1'-0" UNLESS NOTED OTHERWISE.



- NOTES:**
- MINIMUM CONDUIT SIZE FOR LOW VOLTAGE WIRING SHALL BE 1". REFER TO SPECIFICATIONS FOR DETAILS.
 - ALL STANDARD WORK AREA OUTLETS SHALL BE PROVIDED WITH TWO (2) CATEGORY 6 CABLES.
 - DETAILS ARE DRAWN BASED ON STUD TYPE CONSTRUCTION. ELECTRICAL CONTRACTOR SHALL PROVIDE ONE (1) 4-1/2" DEEP BACKBOX FOR ALL LOW VOLTAGE OUTLETS WITH A SINGLE GANG OPENING. IF OUTLET IS LOCATED INSIDE A CONCRETE WALL ELECTRICAL CONTRACTOR SHALL UTILIZE A SINGLE GANG DEEP MASONRY BOX FOR ROUGH-IN PURPOSES.
 - STRUCTURED CABLING SUBCONTRACTOR SHALL PROVIDE 4-PORT FACEPLATE AS SHOWN. PROVIDE BLANKS FOR ANY UNUSED OPENINGS. REFER TO SPECIFICATION 27 1005 FOR FURTHER DETAIL.
 - LOCATIONS SHOWING A QUANTITY OF "1" NETWORK DROPS SHALL BE ROUGH-IN ONLY FOR FUTURE USE. ELECTRICAL CONTRACTOR SHALL PROVIDE BLANK PLATE.



- J-HOOK PATHWAY GENERAL NOTES:**
- THIS DETAIL ILLUSTRATES ACCEPTABLE INSTALLATION PRACTICES IN ACCESSIBLE CEILING AREAS. IN EXPOSED CEILING LOCATIONS, CABLING SHALL BE CONCEALED IN CONDUIT.**
 - J-HOOKS SHALL BE SPACED AT A MAXIMUM OF NO MORE THAN 5 FEET APART. LOOSELY BUNDLE CABLE AND MANAGE UTILIZING VELCRO STRIPS.
 - KEEP ALL DATA CABLING ISOLATED FROM OTHER SYSTEMS. J-HOOK SYSTEM SHALL ALLOW OTHER HOOKS TO ATTACH IN A STACKING METHOD. KEEP FIRE ALARM CABLING IN ITS OWN HOOK PATHWAY.
 - WHEN CABLING IS ROUTED TO A CEILING DEVICE, CABLING SHALL BE SUPPORTED AND CABLES KEPT OFF OF ALL CEILING TILES AND ABOVE CEILING EQUIPMENT.



- ACCESS CONTROL GENERAL NOTES:**
- DETAIL DRAWINGS ARE INTENDED TO REFLECT ACCEPTABLE INSTALLATION PRACTICES. INDIVIDUAL DOOR OPENINGS ARE NOT SHOWN AND WILL NEED TO BE COORDINATED WITH DIV 08 7100 SPECIFICATION. FINAL ROUGH IN DRAWINGS FOR INDIVIDUAL DOORS SHALL BE PROVIDED BY SECURITY CONTRACTOR.**
 - COORDINATE FIRE ALARM DOOR RELEASE CONNECTIONS WITH FIRE ALARM CONTRACTOR.
 - COORDINATE EXACT LOCATIONS OF PUSH BUTTONS, CARD READERS, AND DURESS BUTTONS WITH OWNER.
- ACCESS CONTROL REFERENCED NOTES:**
- 4 SQ JUNCTION BOX - PROVIDED BY ELECTRICAL CONTRACTOR IN ACCESSIBLE CEILING SPACE ON SECURE SIDE OF DOOR.
 - 3/4" CONDUIT RACEWAY WITH STRING - PROVIDED BY ELECTRICAL CONTRACTOR
 - 1/2" FLEX RACEWAY WITH STRING - PROVIDED BY ELECTRICAL CONTRACTOR
 - POWER TRANSFER HINGE - PROVIDED BY DOOR HARDWARE CONTRACTOR. COORDINATE WITH DIVISION 08 CONTRACTOR ON FINAL LOCK CONNECTIONS WITH SYSTEMS BEING PROVIDED.
 - CARD READER - PROVIDED BY SECURITY CONTRACTOR
 - DOOR POSITION SWITCH - COORDINATE LOCATION WITH DOOR HARDWARE CONTRACTOR
 - ELECTRIFIED EXIT LOCK HARDWARE - PROVIDED BY DOOR HARDWARE CONTRACTOR
 - MOTION REQUEST TO EXIT - PROVIDED BY SECURITY CONTRACTOR
 - ELECTRIFIED STRIKE - PROVIDED BY DOOR HARDWARE CONTRACTOR
 - MORTISE LOCK - PROVIDED BY DOOR HARDWARE CONTRACTOR
 - DOOR AUTO OPERATOR - PROVIDED BY DOOR HARDWARE CONTRACTOR
 - ADA ACTUATOR - PROVIDED BY DOOR HARDWARE CONTRACTOR
 - FIRE ALARM ELECTRIFIED MAGNETIC DOOR HOLD - PROVIDED BY DOOR HARDWARE CONTRACTOR

1 ACCESS CONTROL DETAIL
No Scale

MATRIX OF RESPONSIBILITIES FOR DOOR HARDWARE			
ELECTRICAL CONTRACTOR (SPECIFICATION SECTION 26)	DOOR HARDWARE CONTRACTOR (SPECIFICATION SECTION 08 7100)	DOOR ACCESS CONTRACTOR	ADDITIONAL OWNER/SPECIFICATION SECTION 27 ITEMS
<p>ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL OF THE FOLLOWING ITEMS AS IT RELATES TO THE ACCESS CONTROL SYSTEM AND DOOR HARDWARE COMPONENTS:</p> <ul style="list-style-type: none"> CONDUIT PATHWAYS, SLEEVES AND PENETRATIONS FROM ACCESS CONTROL HEAD END LOCATION TO EACH DOOR'S RESPECTIVE JUNCTION BOX. TREAT EACH THROUGH PENETRATION AS A ONE HOUR RATED WALL AND PROVIDE APPROPRIATE FIRE STOPPING REQUIRED. ALL CONDUIT PATHWAYS FROM EACH RESPECTIVE DOOR'S JUNCTION BOX OR ACCESS CONTROL ENCLOSURE TO THE FRAME OF THE DOOR FOR EACH REQUIRED DEVICE. ALL CONDUIT PATHWAYS AS IT IS REQUIRED FOR THE AUTOMATIC DOOR OPERATORS AND ACTUATORS. ALL REQUIRED ROUGH-IN AND JUNCTION BOXES FOR ACCESS CONTROL SYSTEMS PROXIMITY CARD READERS, AUTOMATIC DOOR OPERATOR ACTUATORS, AUXILIARY ALARM DEVICES AND J-BOX WIRING POINTS AS SHOWN IN THE DETAILS. ALL 110VAC CIRCUITS FOR ACCESS CONTROL POWER SUPPLIES, AUTOMATIC DOOR OPERATORS AND ANY CENTRALIZED POWER SUPPLIES AT THE ACCESS CONTROL HEAD END. COORDINATE WITH INSTALLING CONTRACTORS FOR THE ACCESS CONTROL SYSTEM, AUTOMATIC DOOR OPERATORS AND DOOR HARDWARE PROVIDERS ON SPECIFIC NEEDS. REFER TO POWER PLANS FOR CIRCUITING INFORMATION. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PULLING THE HARDWARE CABLING THROUGH THE FRAME AND SHALL EITHER COORDINATE WITH THE HARDWARE INSTALLER OR THEIR ACCESS CONTROL SUB TO ENSURE THAT THIS GETS DONE APPROPRIATELY DURING ROUGH-IN AND FRAME INSTALLATION AND/OR RETROFITTING OF EXISTING DOORS. 	<p>DOOR HARDWARE CONTRACTOR SHALL PROVIDE AND INSTALL ALL OF THE FOLLOWING ITEMS AS IT RELATES TO THE ACCESS CONTROL SYSTEM AND DOOR HARDWARE COMPONENTS:</p> <ul style="list-style-type: none"> ALL ELECTRIFIED LOCKSETS, STRIKES, PANIC BARS AND INTEGRATED PROXIMITY READER/MAGNETIC LOCKSETS SHALL BE PROVIDED AND INSTALLED BY DOOR HARDWARE CONTRACTOR. ADA OPERATORS SHALL BE PROVIDED BY DOOR HARDWARE CONTRACTOR AND INSTALLED ONLY BY A CERTIFIED AUTO OPERATOR INSTALLER. FINAL POWER CONNECTION SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. COORDINATE ALL POWER REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR. ALL OTHER MECHANICAL AND NON-ELECTRIFIED DOOR HARDWARE COMPONENTS INCLUDING BUT NOT LIMITED TO, LOCKSETS, CYLINDERS, HINGES, KICKPLATES, SEALS, WALL STOPS, GASKETS, CLOSERS AND PUSHPLATES SHALL ALL BE PROVIDED AND INSTALLED BY THE DOOR HARDWARE CONTRACTOR. DOOR HARDWARE SUPPLIER SHALL SUPPLY ALL APPROPRIATE POWER SUPPLIES NEEDED TO CONTROL AND HANDLE THE APPROPRIATE POWER REQUIREMENTS OF THE ELECTRIFIED HARDWARE THEY ARE PROVIDING. COORDINATE ALL INTEGRATED ACCESS CONTROL DEVICES SUCH AS INTEGRATED PROXIMITY READERS WITH THE ACCESS CONTROL CONTRACTORS FOR COMPATIBILITY, OPERATION, AND SEAMLESS INTEGRATION. 	<p>DOOR ACCESS CONTROL CONTRACTOR SHALL PROVIDE AND INSTALL ALL OF THE FOLLOWING ITEMS AS IT RELATES TO THE ACCESS CONTROL SYSTEM AND DOOR HARDWARE COMPONENTS:</p> <ul style="list-style-type: none"> THIS CONTRACTOR SHALL AT BID TIME, COORDINATE ALL COMPONENTS/DEVICES AS SPECIFIED IN 087100. LOOK FOR DOOR POSITION SWITCHES, INTEGRAL OR SPECIAL CARD READERS, AND POWER SUPPLY DISCREPANCIES THAT MAY AFFECT COUNTS OR BID. ALL CONCERNS SHALL BE BROUGHT TO ENGINEER FOR CLARIFICATION DURING ADDENDUM PHASE. COORDINATE FRAME PREP REQUIREMENTS WITH DOOR FRAME CONTRACTOR. ACCESS CONTROL CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF PULLING AND TERMINATION OF ALL LOW VOLTAGE CONNECTIONS TO THE CARD ACCESS SYSTEM FOR OPERATION. MOTION DETECTORS SHALL BE INSTALLED WHERE NOTED TO SHUNT ALARMS ON THE ACCESS SYSTEM WHILE ALLOWING EGRESS. STANDALONE PROXIMITY READERS SHALL BE INSTALLED AT LOCATIONS IDENTIFIED ON THE FLOOR PLANS. ALL HEAD END SERVERS, ENCLOSURES, CONTROLLERS, READERS, INPUT/OUTPUT BOARDS AND LOCAL POWER SUPPLIES REQUIRED TO CREATE A FULLY FUNCTIONAL EXTENSION OF THE EXISTING ACCESS CONTROL SYSTEM. ACCESS CONTROL CABLING AND TERMINATIONS FOR ALL ACCESS CONTROL RELATED DOOR HARDWARE COMPONENTS AT BOTH THE HEAD END LOCATION AND AT EACH DOOR LOCATION. DATA CABLE AND POWER OVER ETHERNET SWITCH SHALL BE OWNER PROVIDED. SOFTWARE PROGRAMMING FOR EACH INDIVIDUAL OPENING. COORDINATE ALL UNLOCK/LOCK DOOR SCHEDULES AND DOOR LABELING SCHEME WITH OWNER PRIOR TO PROGRAMMING. ACCESS CONTROL CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE ELECTRICAL CONTRACTOR AND AUTOMATIC OPERATOR CONTRACTOR WITH LOCATIONS HAVING BOTH AUTOMATIC DOOR OPERATORS AND ACCESS CONTROL. ACCESS CONTROL CONTRACTOR SHALL PROVIDE FREE EGRESS FUNCTIONALITY. UPON PRESSING THE INTERIOR ACTUATOR, THE DOOR SHALL BOTH SIMULTANEOUSLY UNLOCK AND OPEN. PROVIDE ALL WIRING AND RELAY INTERFACES WITH THE DOOR OPERATOR TO CREATE THIS FUNCTIONALITY. ACCESS CONTROL CONTRACTOR IS RESPONSIBLE FOR COORDINATING EACH OPENING'S NEED FOR FUNCTIONALITY DURING THE EVENT OF A FIRE. COORDINATE SPECIFIC CABLE DROP AND/OR FIRE ALARM RELAY NEEDS WITH FIRE ALARM CONTRACTOR. FINAL PERFORMANCE TESTING OF EACH LOCATION SHALL BE PROVIDED BY THE ACCESS CONTROL CONTRACTOR. INTEGRATE WITH ALL AUXILIARY INPUTS AND OUTSIDE SYSTEM INFLUENCES SUCH AS, BUT NOT LIMITED TO, VIDEO SURVEILLANCE, AUXILIARY LOCK DOWN OR DOOR RELEASE BUTTONS, FIRE ALARM, BURGLAR SYSTEMS, ETC. 	<p>OWNER/SECTION 27 CONTRACTOR SHALL PROVIDE AND INSTALL ALL OF THE FOLLOWING ITEMS AS IT RELATES TO THE ACCESS CONTROL SYSTEM AND DOOR HARDWARE COMPONENTS:</p> <ul style="list-style-type: none"> ALL CATEGORY 6 OR 6A CABLING TO A WORK AREA OUTLET FOR EACH COORDINATED ACCESS CONTROL PANEL LOCATION. FINAL PATCH CORD TO EQUIPMENT. POWER OVER ETHERNET SWITCHES FOR THE ACCESS CONTROL PANELS AND ELECTRIC STRIKES. IP ADDRESS SCHEME FOR ALL IP DEVICES. ACCESS CONTROL CONTRACTOR SHALL COORDINATE CLOSELY WITH THE OWNER FOR THIS INFORMATION.

2 MATRIX OF RESPONSIBILITY FOR ACCESS CONTROL
No Scale

Client Name
CLINTON COUNTY

Project Name
ADMINISTRATION BUILDING - ADDITION & ALTERATIONS

Location / Description
1900 N. 3RD ST.
CLINTON, IA 52732

Revisions	Rev	Description	Date
	22072	Issued for Bidding	02-13-2024
	MEM	Issued for Construction	

Project Number: 22072
Project Manager: MEM
Approved: [Signature]
Author: [Signature]
At scales based on: 3/4" = 1'-0", 1/8" = 1'-0"

Sheet Title

LOW VOLTAGE DETAILS

M O D U S
M O D U S
WATERLOO | DES MOINES | IOWA CITY
214 EAST 4TH ST. 130 EAST 3RD ST. 118 EAST COLLEGE ST.
WATERLOO, IOWA DES MOINES, IOWA IOWA CITY, IOWA
(319)235-0650 (515)251-7280 (319)248-4600

T502