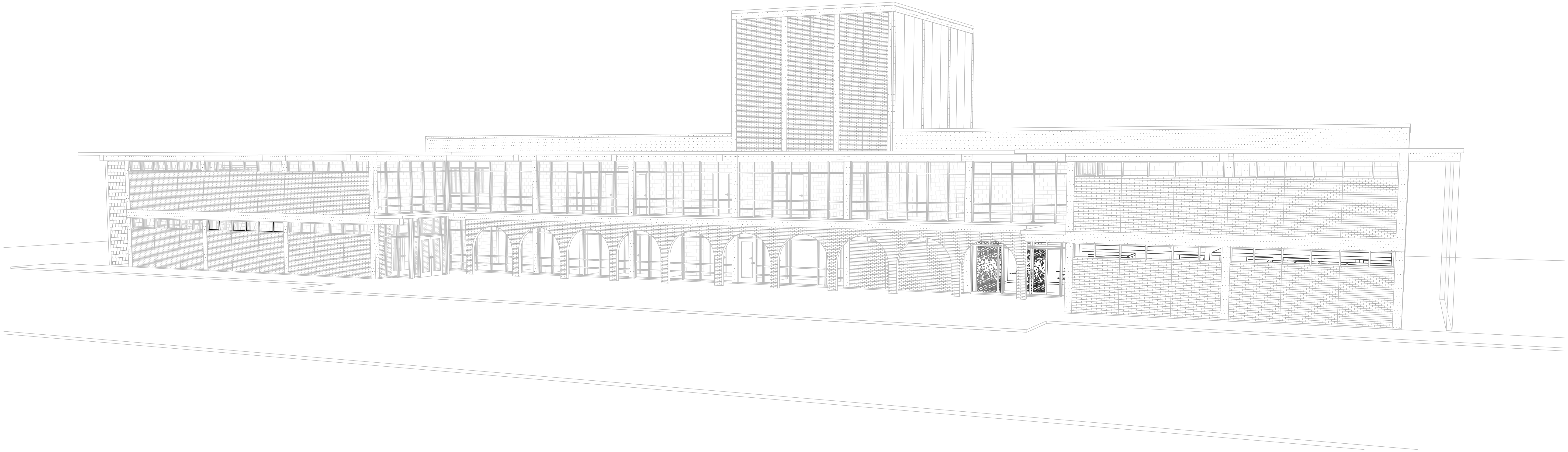


PHILANDER SMITH UNIVERSITY

ML HARRIS AUDITORIUM RENOVATION



CONSTRUCTION DOCUMENTS

March 2, 2026

CLIENT:

Philander Smith University
900 W Daisy L Gatson Bates Dr
Little Rock, AR 72202
(501) 375-9845

<https://www.philander.edu/>

DESIGN TEAM:

Cromwell Architects Engineers
1300 East 6th Street
Little Rock, AR 72202
501.372.2900

cromwell.com

THIS SET OF DRAWINGS WAS DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.



**PHILANDER
SMITH
UNIVERSITY**

M.L. HARRIS
AUDITORIUM
RENOVATION

CONSTRUCTION DOCUMENTS		
Revisions		
No.	Date	Description

Stamp



03-02-2026

Notes

1. CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED

2. THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.

Project Number 2024-060

Issue Date 03-02-2026

Sheet Title

TITLE SHEET

Sheet Number

G-001

NOTES

GENERAL CONSTRUCTION REQUIREMENTS:

1. ALL WORK SHALL BE DONE IN A SAFE AND WORKMANLIKE MANNER AND IN STRICT ACCORDANCE WITH THE UFG, GOVERNING BUILDING CODES, NATIONAL ELECTRIC CODE, AND ALL APPLICABLE REGULATIONS AND ORDINANCES HAVING JURISDICTION.
2. THE CONTRACTOR IS TO UNDERSTAND ALL DRAWINGS AND SPECIFICATIONS COMPLETELY. EACH ASPECT OF THE WORK MAY BE INDICATED IN ONE DISCIPLINE OR INDICATED IN MULTIPLE DISCIPLINES. REVIEW ALL INFORMATION FROM ALL DISCIPLINES AND COMPLETELY FIELD VERIFY ALL CONDITIONS BEFORE IMPACTING EXISTING CONDITIONS OR PROVIDING NEW WORK.
3. EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO DO SO DOES NOT RELIEVE ANY RESPONSIBILITY FOR PERFORMING THIS WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO FABRICATION OF ALL ITEMS, AND IF ANY DISCREPANCIES ARE FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT EXISTS IN THE FIELD, CONTACT THE ARCHITECT TO DETERMINE THE PROPER COURSE OF ACTION. THE CONTRACTOR'S APPROVAL FOR FABRICATION INDICATES THE ACCEPTANCE OF EXISTING CONDITIONS.
5. THE OWNER SHALL OCCUPY PORTIONS OF THE FACILITY DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER ALL CONSTRUCTION PROCEDURES WHICH WILL INTERFERE WITH THE NORMAL DAILY OPERATIONS OF THE FACILITY. THE CONTRACTOR SHALL OBTAIN PERMISSION FROM THE OWNER FOR ALL INTERRUPTIONS OF UTILITY SERVICES TO THE EXISTING BUILDING PRIOR TO THE INTERRUPTION. ACCIDENTAL INTERRUPTIONS SHALL BE REMEDIED IMMEDIATELY WITH APPROPRIATE FORCES.
6. THE EXISTING BUILDING SHALL BE PROTECTED AT ALL TIMES FROM MOISTURE, DUST AND DEBRIS. INSTALL DUST PARTITIONS AS REQUIRED AND/OR AS SHOWN TO KEEP THE EXISTING PREMISES FREE FROM DUST AND DEBRIS. PROVIDE BARRICADES SEPARATING THE PUBLIC FROM CONSTRUCTION ACTIVITY.
7. ANY DAMAGE TO THE OWNER'S PROPERTY OR OWNER'S EMPLOYEES CAUSED BY THE CONSTRUCTION PROCESS SHALL BE REPAIRED/REPLACED AT NO COST TO THE OWNER OR OWNER'S EMPLOYEES.
8. THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF THE SECURITY SYSTEM OF THE EXISTING FACILITY AT ALL TIMES. THIS INCLUDES KEEPING THE FACILITY SECURE FROM PERSONS, ENVIRONMENTAL ELEMENTS, OR HAZARDS. THE CONTRACTOR SHALL OBTAIN PERMISSION FROM THE OWNER PRIOR TO THE MODIFICATION OF ANY SECURITY SYSTEM OR THE DISABLING OF SUCH.
9. THE CONTRACTOR SHALL KEEP THE CONSTRUCTION AREA FREE AND CLEAR OF DEBRIS. REMOVE TRASH AND DEBRIS FROM CONSTRUCTION AREA AND DO NOT ALLOW TO ACCUMULATE. NO FLAMMABLE MATERIALS/LIQUIDS MAY BE STORED IN THE EXISTING BUILDING OR THE EXPANSION DURING CONSTRUCTION. PROVIDE EXTINGUISHERS AS REQUIRED BY LOCAL AND STATE AUTHORITIES, UL LISTED 2A20BC DRY CHEMICAL FIRE EXTINGUISHERS, ACCESSIBLE AT ALL TIMES WITHIN ALL CONSTRUCTION AREAS.
10. THE CONTRACTOR SHALL MAINTAIN THE REQUIRED NUMBER OF EXITS FROM THE FACILITY. MAINTAIN EXITS, EXIT SIGNS AND EMERGENCY LIGHTING AT ALL TIMES AS REQUIRED BY THE GOVERNING AUTHORITIES.
11. REMOVE ANY EXISTING ITEMS, SERVICES, FINISHES/OR SURFACES AS REQUIRED FOR THE INSTALLATION OF NEW CONSTRUCTION.
12. REPAIR, RE-ROUTE AND EXTEND ALL SERVICES, PIPING, CONDUIT OF EXISTING ITEMS AND EQUIPMENT AS REQUIRED DURING THE CONSTRUCTION PROCESS FOR THE COMPLETE INSTALLATION AND OPERATIONS OF NEW EQUIPMENT. THIS INCLUDES ALL ITEMS SHOWN OR NOT SHOWN ON THE DRAWINGS. RESET EXISTING EQUIPMENT OR RELATED ITEMS AS REQUIRED FOR PROPER OPERATION.
13. PATCH, REPAIR, AND REFINISH CONSTRUCTION AT INTERFACE OF NEW AND EXISTING FINISHES. FINISH NEW SURFACES AT INTERFACE TO MATCH EXISTING.
14. ALL QUESTIONS RELATING TO THE CONSTRUCTION OF THIS PROJECT SHALL BE DONE IN WRITTEN FORM USING THE "REQUEST FOR INFORMATION" FORM, INCLUDED IN THE SPECIFICATIONS, THROUGH THE GENERAL CONTRACTOR ONLY. FOLLOW INSTRUCTIONS WHEN COMPLETING AND SENDING THIS FORM.
- GENERAL SITE VERIFICATION REQUIREMENTS:**
15. EXISTING CONDITIONS SHOWN IN THESE PLANS ARE BASED ON LIMITED FIELD OBSERVATIONS BY THE ARCHITECT AND ORIGINAL DESIGN DRAWINGS. ALL EXISTING MATERIAL, DIMENSIONS, ELEVATIONS, AND GENERAL CONDITIONS OF THE BUILDING SHALL BE VERIFIED BEFORE PURCHASE OF MATERIAL AND CONSTRUCTION. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS IMMEDIATELY.
16. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES (WHETHER SHOWN OR NOT) PRIOR TO THE SUBMISSION OF HIS BID OR THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF THE DISCOVERY OF EXISTING UTILITIES NOT SHOWN OR NOTED ON DRAWINGS. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS AND DEPTHS OF UNDERGROUND UTILITY SERVICES PRIOR TO ANY EXCAVATION.
- GENERAL DEMOLITION REQUIREMENTS:**
- REFER TO ARCH DEMO SHEETS (AD101-102)
17. ALL DEMOLITION SHALL BE CARRIED OUT IN A SAFE MANNER AND IN STRICT ACCORDANCE WITH OSHA REGULATIONS.
18. THE CONTRACTOR SHALL FIELD VERIFY THE EXTENT OF DEMOLITION. THE WORK INCLUDES, BUT IS NOT LIMITED TO, THE DEMOLITION AND REMOVAL OF WALLS, CEILINGS, ROOFING, DOORS, FIXTURES, PLUMBING, MECHANICAL AND ELECTRICAL ITEMS INCLUDING CONDUITS AND DUCTWORK AS SHOWN ON DRAWING OR AS REQUIRED FOR THE INSTALLATION OF THE NEW WORK FOR A COMPLETE JOB. THE CONTRACTOR SHALL REPLACE ANY/ALL FLOOR, WALL, OR CEILING FINISHES DAMAGED AS A RESULT OF DEMOLITION. MATCH EXISTING ADJACENT FINISHES.
19. WHEN UTILITIES ARE REMOVED, CAP AND SEAL A MINIMUM OF 8" BELOW FINISH FLOOR OR A MINIMUM OF 6" ABOVE FINISH CEILING.

20. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A STRUCTURE AND TO KEEP THE EXISTING STRUCTURE INTAC

AND SPECIFY DEMOLITION PROCEDURES. I

21. DURING DEMOLITION AND RECONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER ANY REQUIRED SAFETY BARRIERS OR BARRICADES. PROVIDE BARRICADES SO AS TO PRECLUDE INTRUSION OF PUBLIC INTO CONSTRUCTION AREAS.
 22. REFER TO THE OWNER APPROVED CONSTRUCTION PHASING SCHEDULE FOR PHASING OF DEMOLITION AND NEW CONSTRUCTION. COORDINATE DEMOLITION WITH NEW CONSTRUCTION IN ORDER THAT THE FACILITY WILL HAVE UNINTERRUPTED WATER, SEWER, ELECTRICAL, GAS AND FIRE PROTECTION SERVICE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL NECESSARY TEMPORARY UTILITY PROVISIONS REQUIRED.
 23. ALL DEMOLITION MATERIALS NOT SALVAGED BY THE OWNER SHALL BE REMOVED BY THE CONTRACTOR. COORDINATE WITH THE OWNER REGARDING MATERIALS TO BE SALVAGED BY THE OWNER. REFER ALSO TO DRAWINGS AND SPECIFICATIONS FOR SALVAGED ITEMS.
 24. REMOVE EXISTING RESILIENT FLOORING SYSTEM AT EXISTING BUILDING FLOOR AREAS AND REPAIR CONCRETE SUBSTRATE FOR NEW FLOORING SYSTEM.
 25. REFER TO MECHANICAL, PLUMBING, FIRE PROTECTION, AND ELECTRICAL DRAWINGS FOR NECESSARY FLOOR SLAB DEMOLITION FOR THE INSTALLATION OF NEW PIPING OR CONDUITS.
 26. THE CONTRACTOR SHALL USE A WET SAW FOR SLAB SAWING. NO JACK HAMMERS WILL BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE OWNER. REMOVE EXISTING CERAMIC TILE/QUARRY TILE AT AREAS TO RECEIVE NEW FLOOR FINISH. PREPARE CONCRETE SUBSTRATE. CEMENT GROUT INFILL DEPRESSED AREAS. FLUSH AND LEVEL FOR NEW FLOOR FINISH FOR SMOOTH TRANSITION TO ADJACENT FLOOR AREAS.
 27. PROTECT ALL WATER PIPING AT AREAS OF DEMOLITION, EXPANSION AND REMODEL, WHERE EXISTING PIPING IS SUBJECT TO FREEZING. PROTECT PIPING SO AS NOT TO FREEZE.
- GENERAL FLOOR PLAN NOTES:**
- REFER TO ARCH PLAN SHEETS (A-100-102)
28. ALL DIMENSIONS ARE TO FACE OF CMU OR STUD UNLESS NOTED OTHERWISE.
 29. CLEAN, PATCH AND REPAIR EXISTING WALL SURFACES SCHEDULED TO BE REFINISHED. ALL EXISTING GYPSUM BOARD SURFACES, WHICH ARE DAMAGED IN ANY WAY SHALL BE REPAIRED PRIOR TO THE APPLICATION OF SCHEDULED WALL.
 30. ALL NEW FLOORING SHALL BE PROTECTED FROM SCRATCHING, MARKING, STAINING, ETC. DURING CONSTRUCTION. ANY FLOORING THAT IS DAMAGED BY CONSTRUCTION AND DOES NOT APPEAR IN NEW CONDITION AT THE TIME OF POSSESSION WILL BE REPLACED BY THE GENERAL CONTRACTOR AT HIS EXPENSE. INSTALL TRANSITION STRIP WHERE FLOORING ABUTS EXPOSED CONCRETE FLOOR.
 31. CLEAN ALL EXISTING HVAC GRILLES WHICH REMAIN, PRIOR TO CONTRACT COMPLETION.

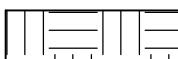
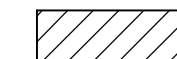
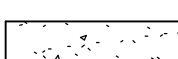
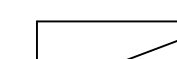
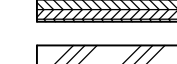
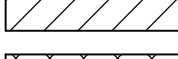
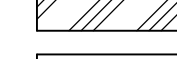
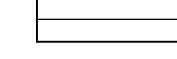
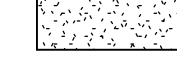
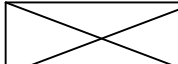
ARCHITECTURAL ABBREVIATIONS

ACQUST.	ANCHOR BOLT	KG	KILOGRAM
ADJ.	ACOUSTICAL	LCB	LIQUID CHALK BOARD
ADJ.	AUXILIARY DRAIN	LM	LINEAL METER
ADJ.	ADJUSTABLE	LG	LONG
ADMIN.	ADMINISTRATION	MAS	MASONRY
A.F.F.	ABOVE FINISH FLOOR	MATL.	MATERIAL
AGGREG.	AGGREGATE	MAX	MAXIMUM
ALUM.	ALUMINUM	MB	MINI-BLINDS
BD	BOARD	M.D.	METAL DECK
B.F.F.	BELOW FINISH FLOOR	MECH.	MECHANICAL
BLKG	BLOCKING	MEMB.	MEMBRANE
BM	BEAM	MEZZ.	MEZZANINE
B.O.	BOTTOM OF	MFR	MANUFACTURER
BPL	BASE PLATE	MISC.	MISCELLANEOUS
BS	BOTH SIDES	MO	MASONRY OPENING
BTWN.	BETWEEN	M.S.	METAL STUD
B.U.R.	BUILT-UP ROOF	MTL.	METAL
CAL.	CALIPER	N.I.C.	NOT IN CONTRACT
CL	CENTERLINE	NS	NON-SHRIK
CFC	COMBINED FACILITIES COMPLEX	N.T.S.	NOT TO SCALE
CSF	COMBINED SHARED FACILITIES	OC	ON CENTER
CG	CORNER GUARD	OD	OUTSIDE DIAMETER
CLJ	CONTROL JOINT	OFW	OUTSIDE FACE OF WALL
CLG	CEILING	OPNG	OPENING
CMU	CONCRETE MASONRY UNIT	OPP	OPPOSITE
COL.	COLUMN	P.LAM	PLASTIC LAMINATE
CONC.	CONCRETE	PL	PLATE
CONC. BLK	CONCRETE BLOCK	PLYWD.	PLYWOOD
CONST.	CONSTRUCTION	PNL	PANEL
CONT.	CONTINUOUS	PROD	PRODUCE
CT	CERAMIC TILE	KG/SM	KILOGRAMS PER SQUARE METER
DB	DECK BEARING	KG/SCQM	KILOGRAMS PER SQUARE CENTIMETER
DIM.	DIMENSION	QTY	QUANTITY
DR	DOOR	R	RISER
DTL	DETAIL	R	RADIUS
DWG	DRAWING	RD	ROOF DRAIN
EA	EACH	REFRIG	REFRIGERATION
E.B.	EXPANSION BOLT	REINF	REINFORCING
EF	EXHAUST FAN	REQD	REQUIRED
E.I.F.S.	EXTERIOR INSULATION AND FINISH SYSTEM	RM	ROOM
EJ	EXPANSION JOINT	RCP	RACK POST PROTECTOR
ELEC.	ELECTRICAL	SC	SOLID CORE
ELEV.	ELEVATION	SCHED.	SCHEDULE
EQUA.	EQUAL	SECT.	SECTION
EQUIP.	EQUIPMENT	SH	SHEET
EW	EACH WAY	SIM.	SIMILAR
EWV	ELECTRIC WATER COOLER	SPECS	SPECIFICATIONS
EXIST.	EXISTING	SMFE	SURFACE MOUNTED FEC
EXP	EXPANSION	SRFE	SEMI-RECESSED FEC
EXT.	EXTERIOR	S	SEWER
FD	FEMALE	SS	SANITARY SEWER
FE	FLOOR DRAIN	S.S.	STAINLESS STEEL
FEC	FIRE EXTINGUISHER	SSC	STAINLESS STEEL CLOSURE
FEC	FIRE EXTINGUISHER CABINET	SST	STAINLESS STEEL THRESHOLD
F.F.E.	FINISH FLOOR ELEVATION	STB	STAFF TRAINING BUILDING
FIN.	FINISH	STL	STEEL
FLR	FLOOR	STO.	STORAGE
FND	FOUNDATION	STRUCT.	STRUCTURAL
F.O.C.	FACE OF CONCRETE	SYM.	SYMBOL
FRP	FIBERGLASS REINFORCED PANEL	T	TREAD
FTG	FOOTING	T & B	TOP AND BOTTOM
G	GAGE	THK	THICK
GALV.	GALVANIZED	THRESH.	THRESHOLD
GR	GUARD RAIL	TJ	TOOLED JOINT
GP	GUARD POST	TO	TOO OF
GYP	GYPSUM	T.O.S.	TOP OF STEEL
GYP.BD.	GYPSUM BOARD	T.O.P.	TOP OF PANEL
H	HIGH	TS	TUBE STEEL
HD	HANDICAP	TYP	TYPICAL
HC	HOLLOW CORE	T.O.M.	TOP OF MASONRY
HDW	HARDWARE	U.C.T.	UNLESS NOTED OTHERWISE
HMT	HOLLOW METAL	VCT	VINYL COMPOSITION TILE
HORIZ.	HORIZONTAL	VERT.	VERTICAL
HP	HORSEPOWER	VEST.	VESTIBULE
HT	HEIGHT	V.I.F.	VERIFY IN FIELD
INFO.	INFORMATION	W	WIDE
INSUL.	INSULATION	W/	WITH
INT	INTERIOR	WC	WATER CLOSET
JAN	JANITOR.	WD	WOOD
JT	JOIST	WDW	WINDOW
JST	JOIST	WG	WALL GUARD
KCJ	KEYED CONTROL JOINT	W/O	WITHOUT
LAV.	LAVATORY	WP	WATERPROOFING
		WT	WEIGHT
		WWF	WELDED WIRE FABRIC

INDEX OF DRAWINGS

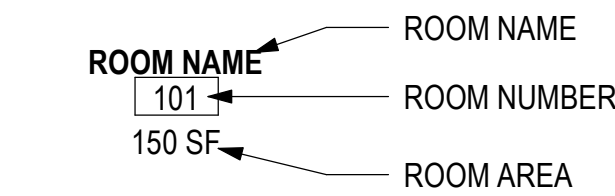
SHEET NUMBER	SHEET NAME	ISSUE DATE	REVISION DATE
GENERAL INFORMATION			
G-001	TITLE SHEET	03-02-2026	
G-002	INDEX, SYMBOLS & ABBREV.	03-02-2026	
G-003	GENERAL DETAILS & TOILET ACCESSORIES SCHEDULE	03-02-2026	
LIFE SAFETY			
GI001	LIFE SAFETY CODE ANALYSIS	03-02-2026	
GI101	LIFE SAFETY FIRST FLOOR PLAN	03-02-2026	
GI102	LIFE SAFETY SECOND FLOOR PLAN	03-02-2026	
ARCHITECTURAL			
AD101	FIRST FLOOR DEMO PLAN	03-02-2026	
AD101R	FIRST FLOOR DEMO REFLECTED CEILING PLAN	03-02-2026	
A-101	FIRST FLOOR PLAN	03-02-2026	
A-101R	FIRST FLOOR REFLECTED CEILING PLAN	03-02-2026	
A-102	SECOND FLOOR PLAN	03-02-2026	
A-102R	SECOND FLOOR REFLECTED CEILING PLAN	03-02-2026	
A-104	ENLARGED FIRST FLOOR PLAN	03-02-2026	
A-104R	ENLARGED REFLECTED CEILING PLAN	03-02-2026	
A-201	EXTERIOR ELEVATIONS	03-02-2026	
A-301	BUILDING SECTIONS	03-02-2026	
A-401	RESTROOM ELEVATIONS & MILLWORK DETAILS & INTERIOR DETAILS	03-02-2026	
A-402	INTERIOR ELEVATIONS	03-02-2026	
A-601	ROOM FINISH NOTES AND LEGENDS	03-02-2026	
A-620	DOOR SCHEDULE	03-02-2026	
A-801	PARTITION TYPES	03-02-2026	
AG101	OVERALL SIGNAGE PLAN	03-02-2026	
FIRE ALARM			
FA001	FIRE ALARM LEGEND AND NOTES	03-02-2026	
FA101	FIRE ALARM FIRST FLOOR PLAN	03-02-2026	
FA102	FIRE ALARM SECOND FLOOR PLAN	03-02-2026	
PLUMBING			
P-001	PLUMBING LEGEND AND NOTES	03-02-2026	
PD101	FIRST FLOOR PLUMBING DEMO PLAN	03-02-2026	
P-101	FIRST FLOOR PLUMBING PLAN	03-02-2026	
P-401	ENLARGED PLUMBING PLANS	03-02-2026	
P-501	PLUMBING DETAILS	03-02-2026	
P-601	PLUMBING SCHEDULES	03-02-2026	
P-901	PLUMBING RISER	03-02-2026	
MECHANICAL			
M-001	MECHANICAL LEGEND AND SYMBOLS	03-02-2026	
MD101	FIRST FLOOR DEMO PLAN	03-02-2026	
MD103	ROOF DEMO PLAN	03-02-2026	
M-101	FIRST FLOOR MECHANICAL PLAN	03-02-2026	
M-103	ROOF MECHANICAL PLAN	03-02-2026	
M-301	MECHANICAL SECTIONS	03-02-2026	
M-401	ENLARGED MECHANICAL PLANS	03-02-2026	
M-501	MECHANICAL DETAILS	03-02-2026	
M-502	MECHANICAL DETAILS	03-02-2026	
M-601	MECHANICAL SCHEDULES	03-02-2026	
ELECTRICAL			
E-001	ELECTRICAL LEGEND	03-02-2026	
EL101	FIRST FLOOR LIGHTING PLAN	03-02-2026	
EL102	SECOND FLOOR LIGHTING PLAN	03-02-2026	
ED101	FIRST FLOOR ELECTRICAL DEMOLITION PLAN	03-02-2026	
EP101	FIRST FLOOR POWER PLAN	03-02-2026	
ET101	FIRST FLOOR SYSTEMS PLAN	03-02-2026	
E-601	ELECTRICAL SINGLE-LINE DIAGRAM, SCHEDULES, AND DETAILS	03-02-2026	

SECTION INDICATIONS

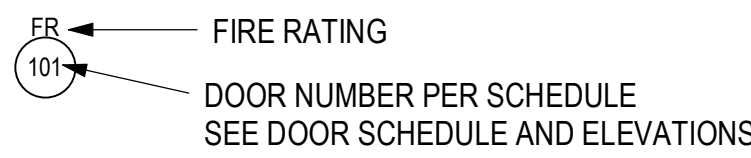
	EARTH		WOOD, FINISH CARPENTRY
	CONCRETE		WOOD, BLOCKING
	GRAVEL		PLYWOOD
	BRICK		METAL
	CONCRETE MASONRY UNIT (CMU)		GLASS
	CERAMIC TILE		GYPSUM BOARD (GWB)
	ACOUSTICAL TILE		BATT INSULATION
	WOOD, ROUGH CARPENTRY		RIGID INSULATION
	COOLER/FREEZER WALL PANEL		

SYMBOLS LEGEND

ROOM LABEL



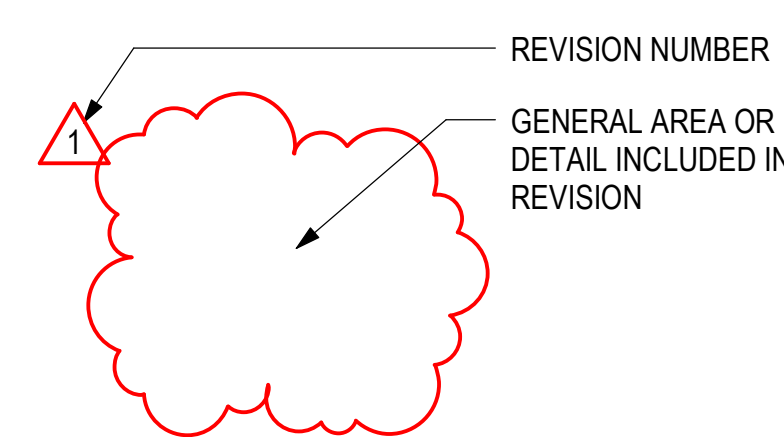
DOOR LABEL



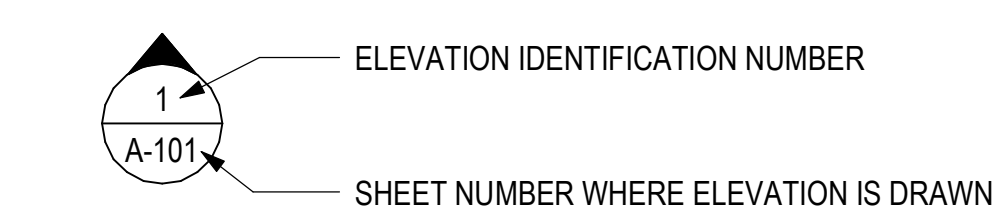
WINDOW LABEL



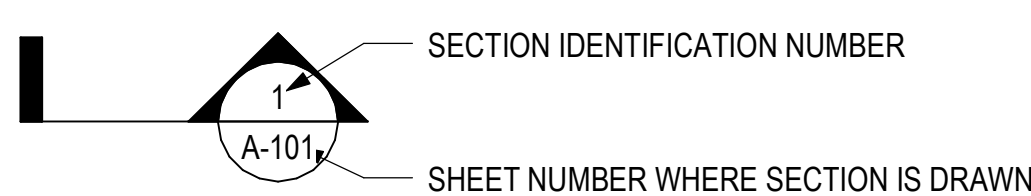
REVISION IDENTIFICATION



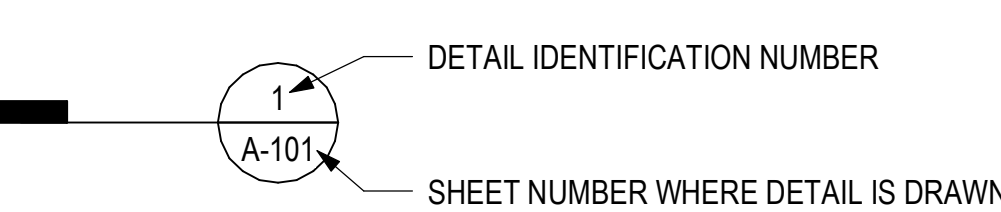
ELEVATION SYMBOL



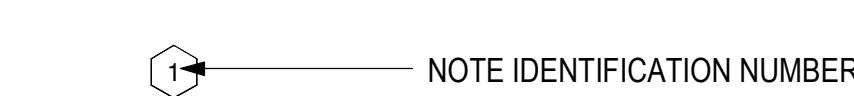
SECTION SYMBOL



DETAIL SYMBOL



KEY NOTE



PARTITION TAG



**PHILANDER
SMITH
UNIVERSITY**

M.L. HARRIS
AUDITORIUM
RENOVATION

Design Phase

**CONSTRUCTION
DOCUMENTS**

Revisions _____

[illegible]

Notes

1. CROMWELL ARCHITECTS ENGINEERS, INC.
ALL RIGHTS RESERVED
2. THIS SHEET DESIGNED FOR COLOR PRINTING.
CRITICAL INFORMATION MAY BE LOST WITH
BLACK AND WHITE PRINTING.

Project Number _____

Issue Date _____

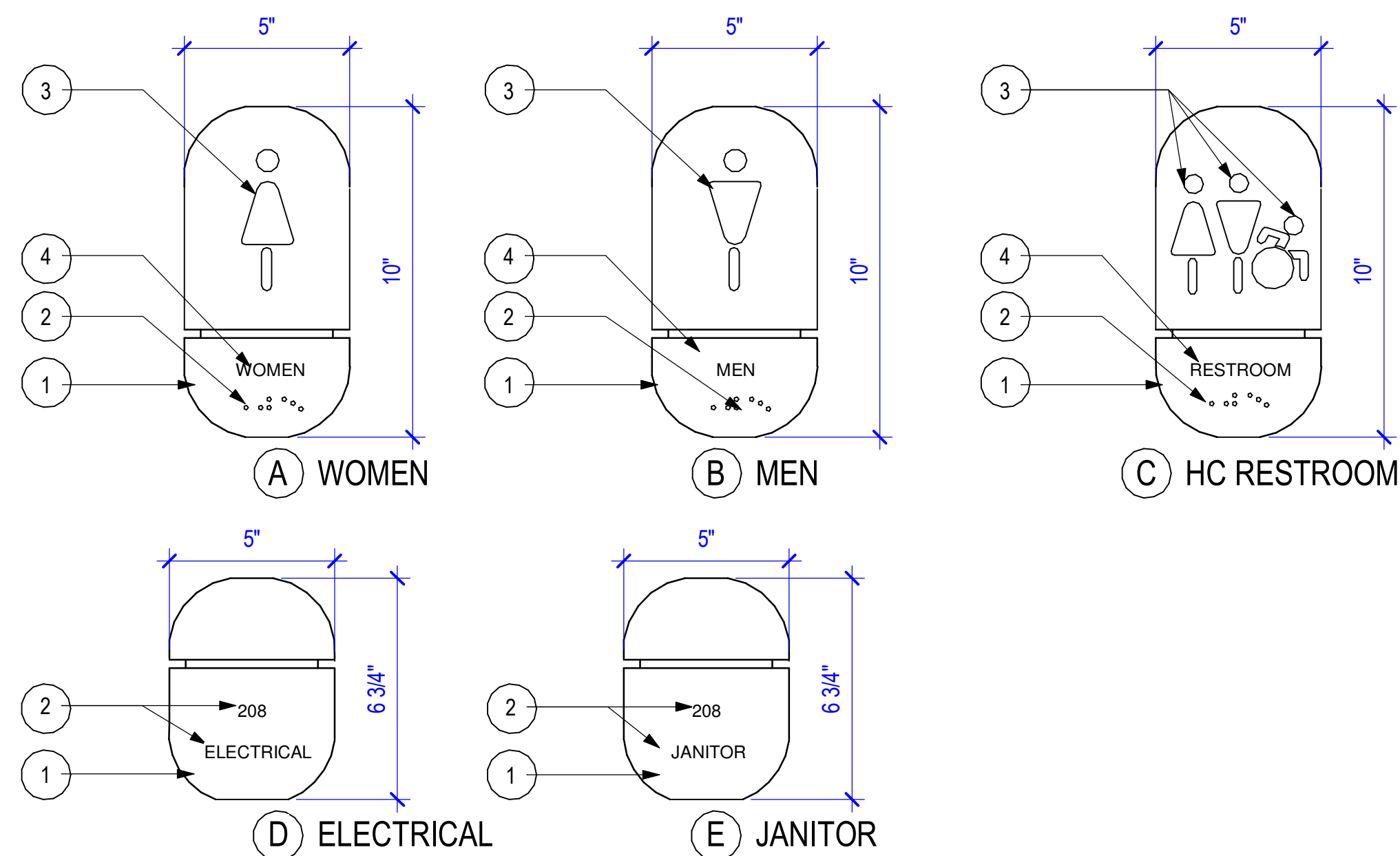
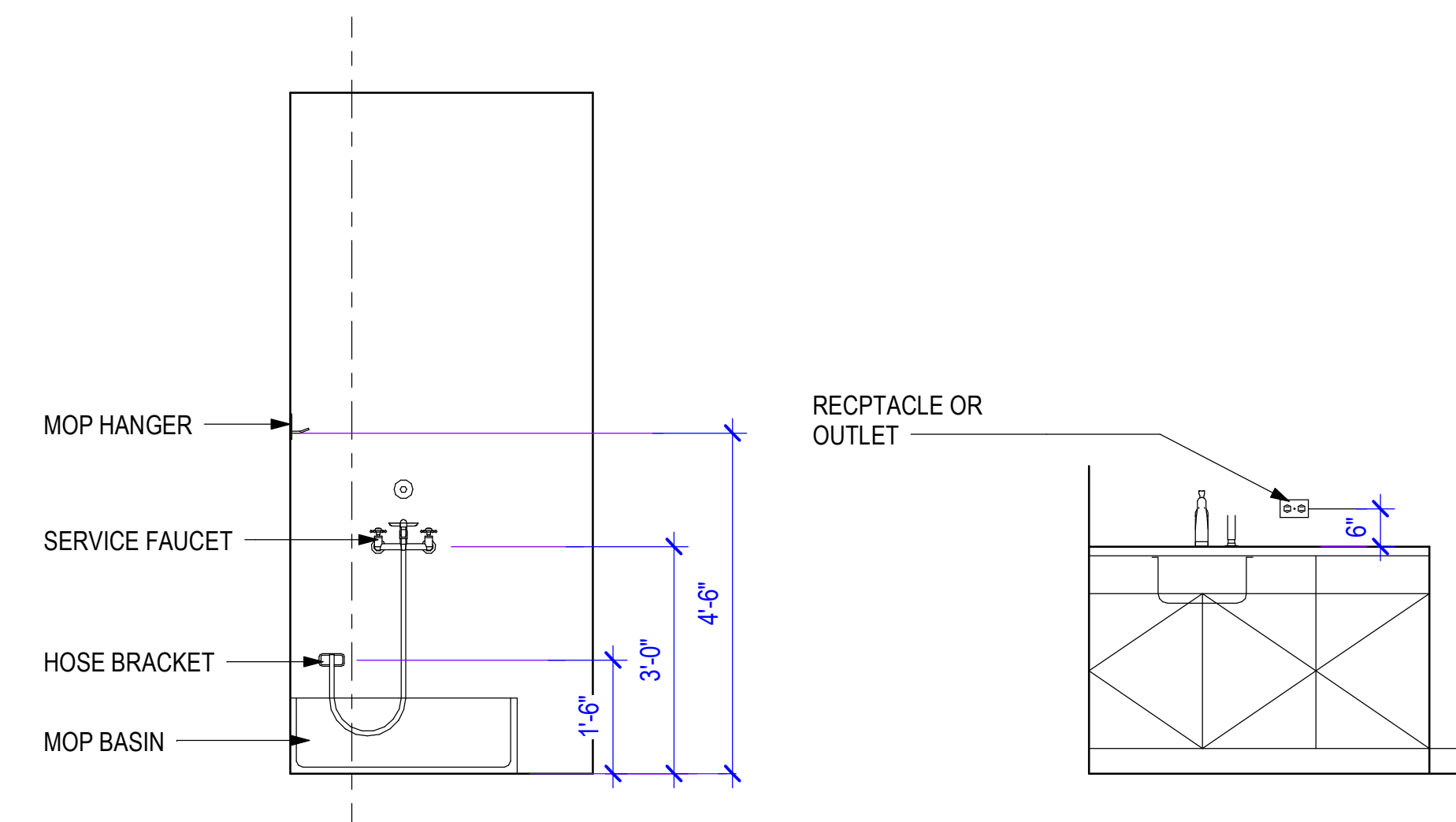
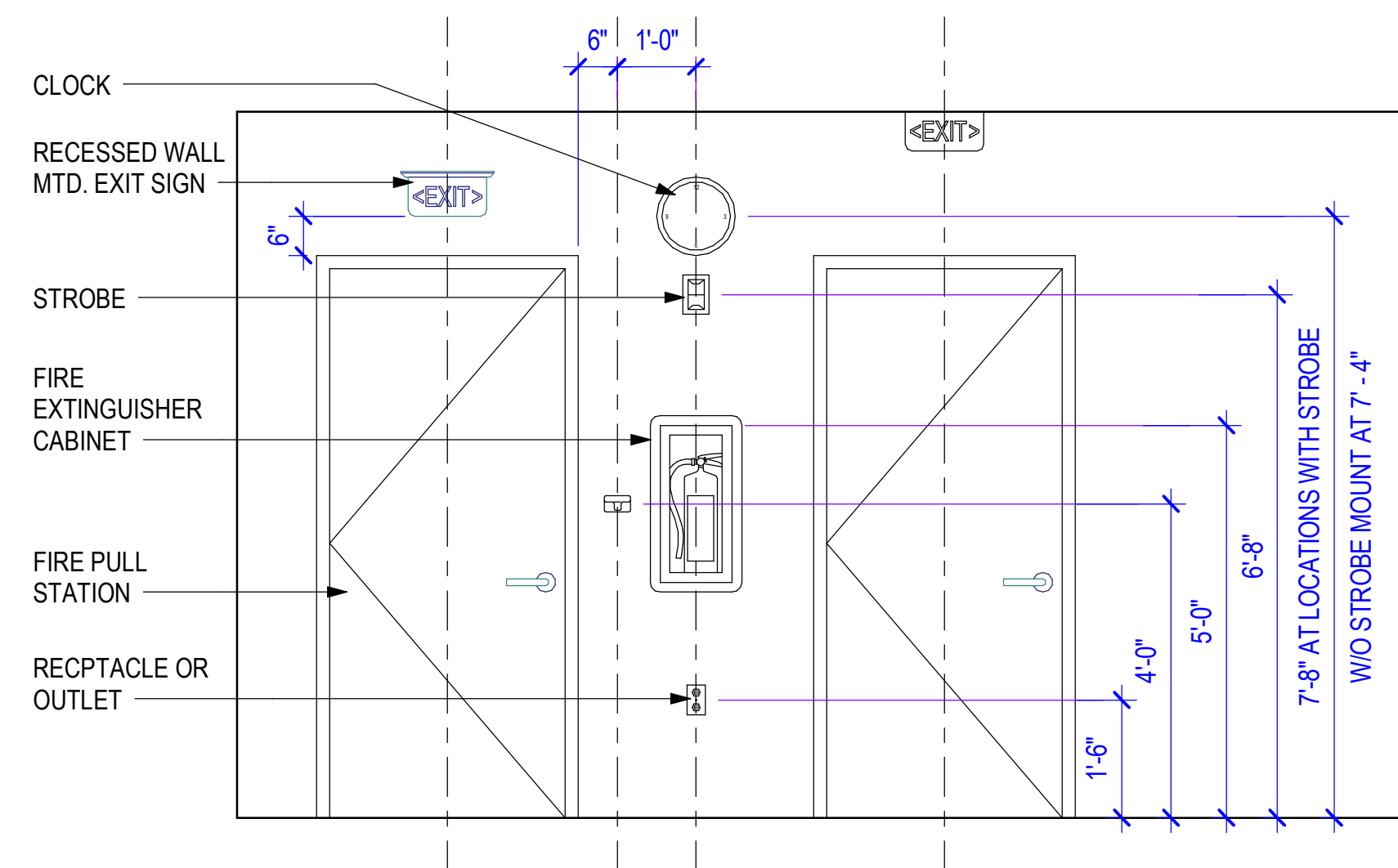
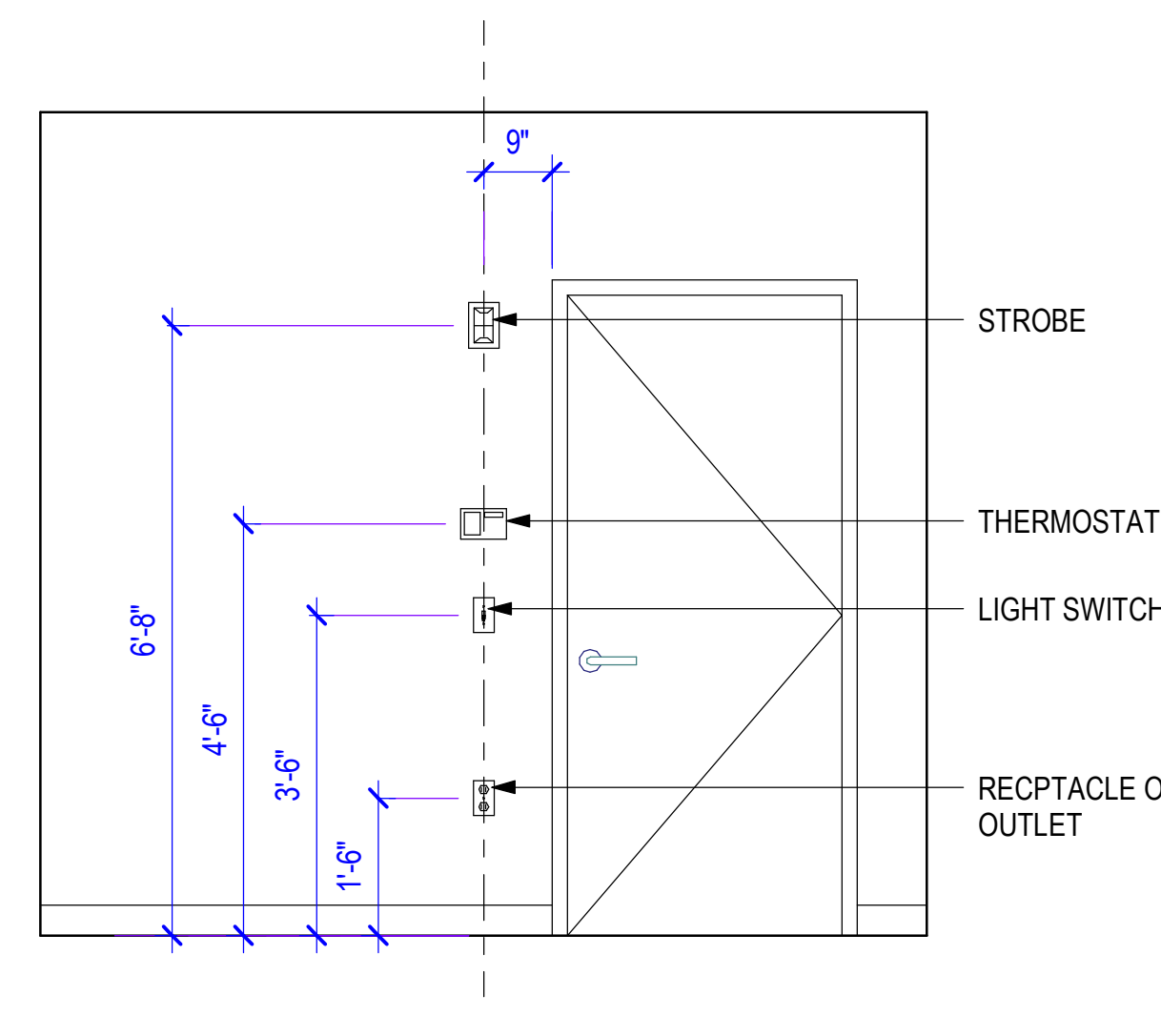
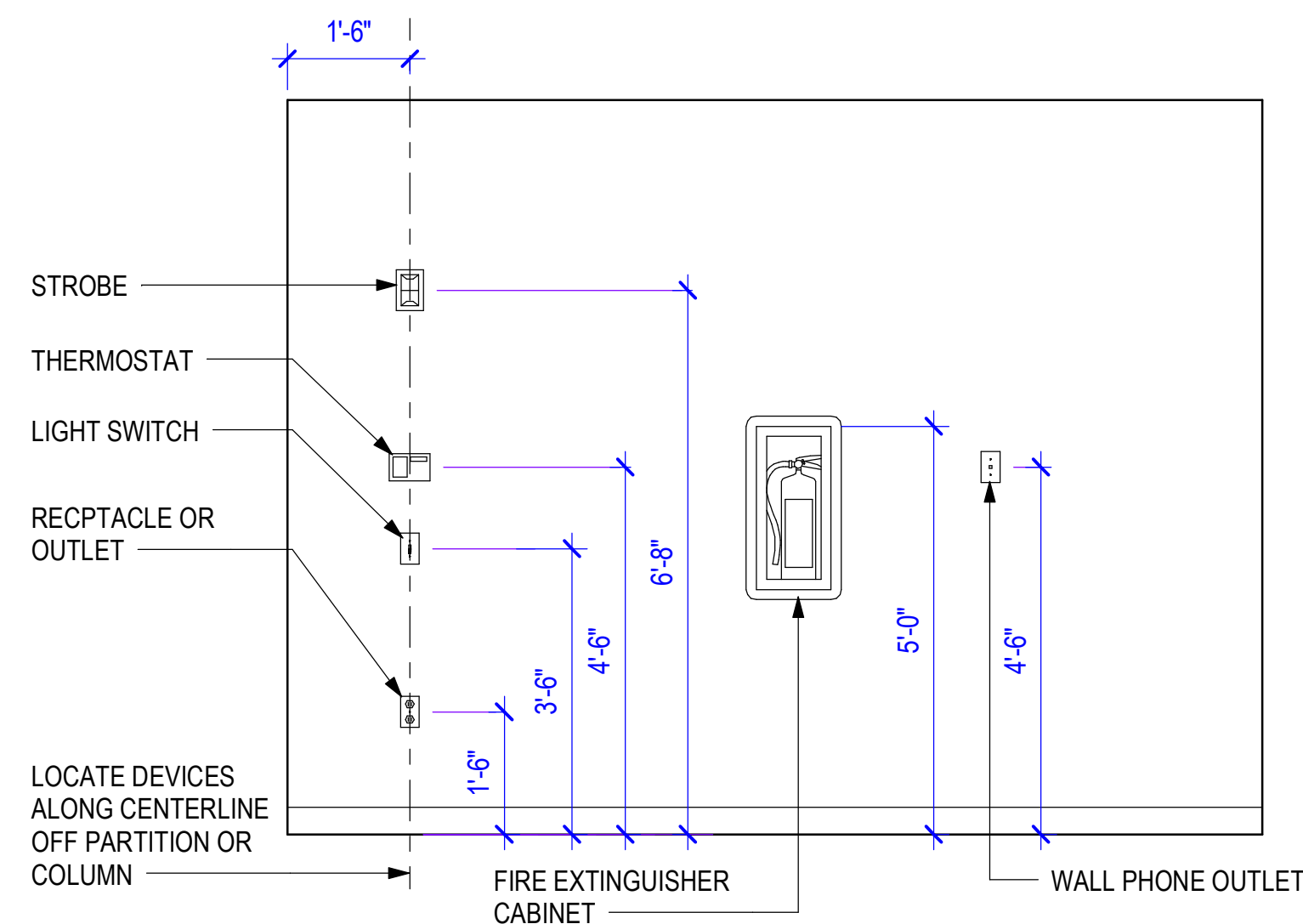
Sheet Title _____

INDEX, SYMBOLS & ABBREV.

Sheet Number _____

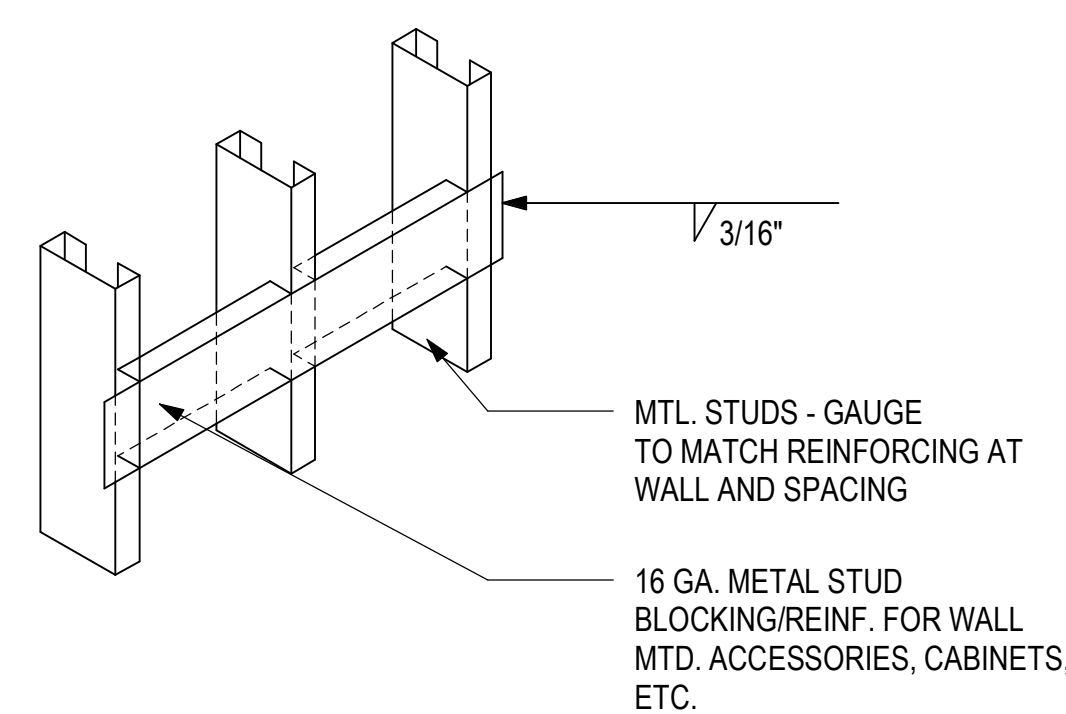
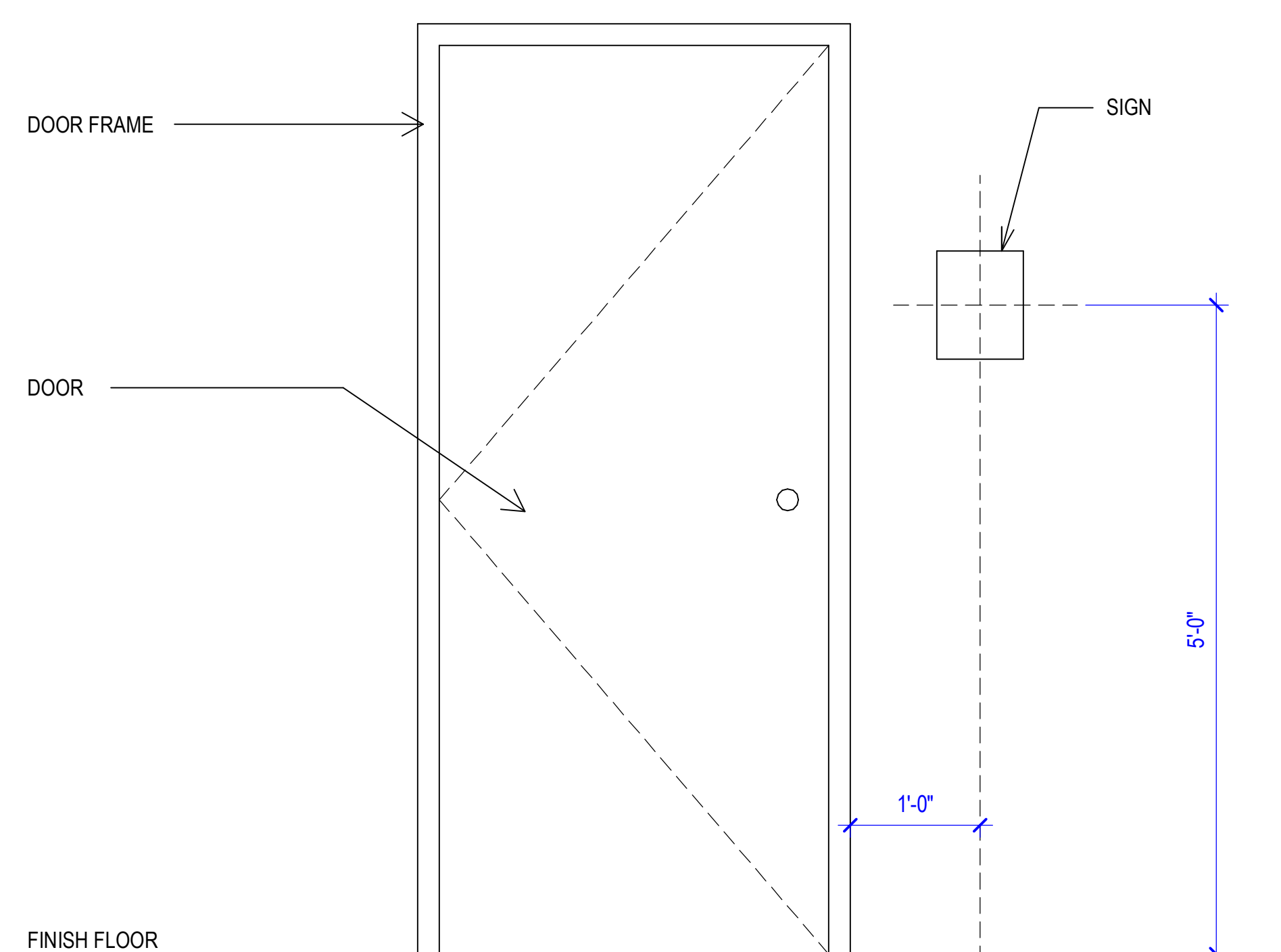
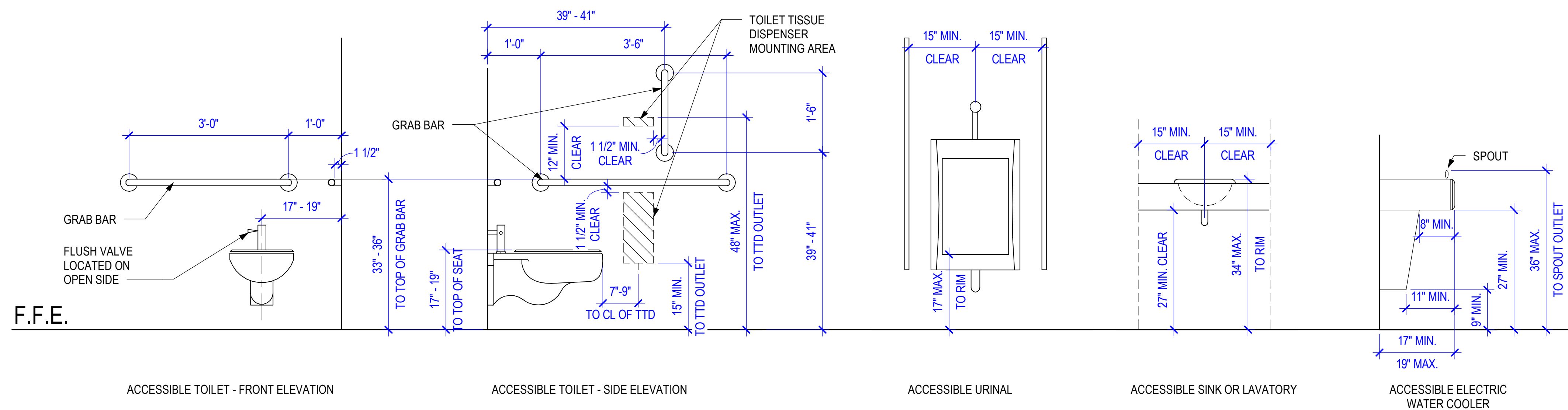
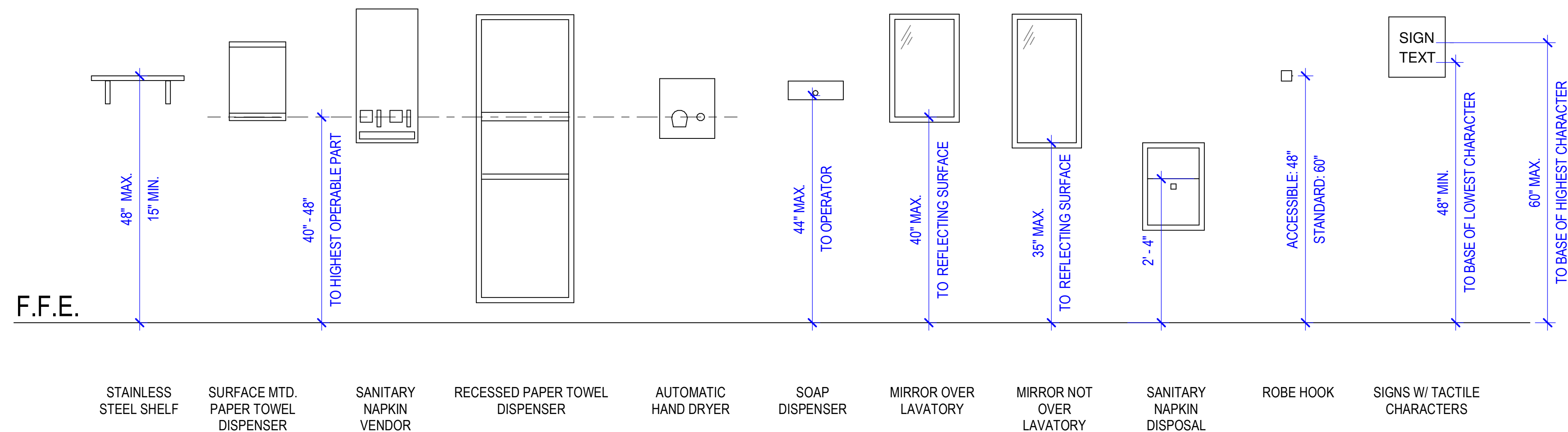
G-002

MOUNTING HEIGHTS



KEYED SIGN NOTES:

- ① TAKEFORM - FUSION INTERIOR SIGANGE | THE DOSE COLLECTION
CAST ACRYLIC PLAQUE WITH P-95 MATTE FINISH, SUBSURFACE PAINTED, COLOR AS SELECTED BY ARCHITECT
- ② GRADE 2 BRAILLE EITHER RAISED ABOVE THE SURFACE OF THE PLAQUE OR ENGRAVED INTO THE ACRYLIC FACE. SURFACE APPLIED TAPES ARE NOT ACCEPTABLE
- ③ PICTOGRAM
- ④ LETTERING FONT: ADA U.S. 101



TOILET ACCESSORY SCHEDULE			
ITEM	RESP.	DESCRIPTION	PRODUCT
GB-1	CF/CJ	GRAB BAR - 42" LONG	AMERICAN SPECIALTIES 3801-42P
GB-2	CF/CJ	GRAB BAR - 36" LONG	AMERICAN SPECIALTIES 3801-36P
GB-3	CF/CJ	VERTICAL GRAB BAR - 18" LONG	AMERICAN SPECIALTIES 3801-18P
MR-1	CF/CJ	FRAMED MIRROR	KOHLER K-31371
PTD	OF/OI	SURFACE MTD. PAPER TOWEL DISPENSER	PER OWNER VENDOR
SD	CF/OI	DECK MOUNTED SOAP DISPENSER	SLOAN ESD-410-GR GRAPHITE FINISH
SND	CF/OI	SURFACE MTD. SANITARY NAPKIN DISPOSAL	AMERICAN SPECIALTIES 0473-A
TTD	OF/OI	TOILET TISSUE DISPENSER	PER OWNER VENDOR

PLUMBING FIXTURES		
ITEM	RESP.	DESCRIPTION
A-LAV	CF/CI	ADA-COMPLIANT WALL-HUNG LAVATORY
A-WC	CF/CI	ADA-COMPLIANT FLOOR MOUNTED WATER CLOSET
LAV	CF/CI	WALL-HUNG LAVATORY
WC	CF/CI	FLOOR MOUNTED WATER CLOSET

M.L. HARRIS
AUDITORIUM
RENOVATION

M.L. HARRIS
AUDITORIUM
RENOVATION

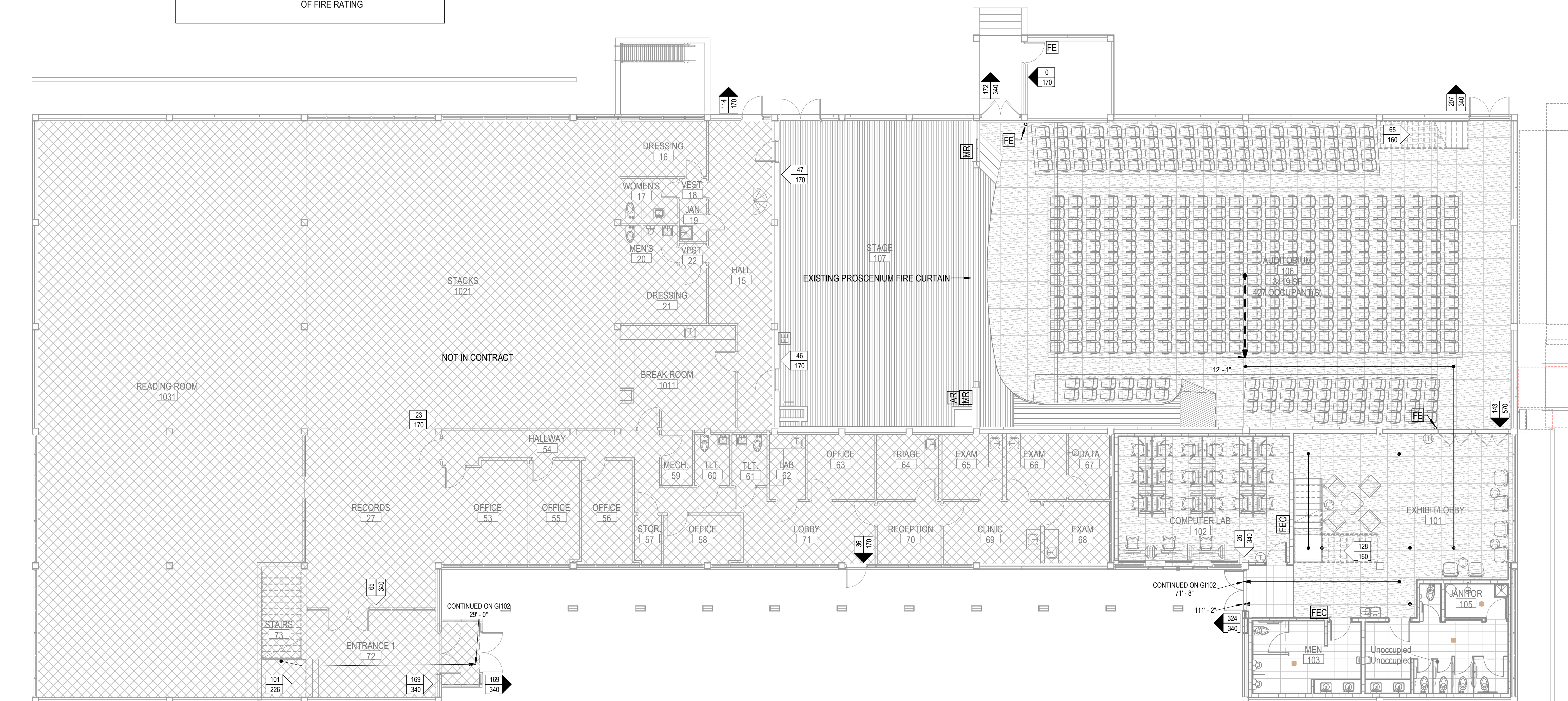
OCCUPANCY LOAD - FIRST...				
Room		Area Calculations		Number of People
Name	Number	Area	Area per Person	
		14 SF	150 SF	0
		17 SF	150 SF	0
		77 SF	150 SF	1
		140 SF	300 SF	0
		52 SF	150 SF	0
AUDITORIUM	106	3419 SF	8 SF	427
AUDITORIUM	106	161 SF	150 SF	1
AUDITORIUM	106	69 SF	15 SF	5
BREAK ROOM	111	225 SF	15 SF	15
CLINIC	69	133 SF	150 SF	1
COMPUTER LAB	102	491 SF	20 SF	25
DATA	67	61 SF	300 SF	0
DRESSING	16	112 SF	50 SF	2
DRESSING	21	106 SF	50 SF	2
ENTRANCE 1	72	255 SF	150 SF	2
EXAM	65	87 SF	150 SF	1
EXAM	66	87 SF	150 SF	1
EXAM	68	90 SF	150 SF	1
EXHIBIT/LOBBY	101	870 SF	30 SF	29
HALL	15	363 SF	150 SF	2
HALLWAY	54	137 SF	150 SF	1
JAN.	19	23 SF	300 SF	0
JANITOR	105	48 SF	300 SF	0
LAB	62	51 SF	150 SF	0
LOBBY	71	181 SF	150 SF	1
MECH.	59	37 SF	300 SF	0
MEN	103	144 SF	150 SF	1
MEN'S	20	50 SF	150 SF	0
OFFICE	53	189 SF	150 SF	1

OCCUPANCY LOAD - FIRST...				
Room		Area Calculations		Number of People
Name	Number	Area	Area per Person	People
OFFICE	55	111 SF	150 SF	
OFFICE	56	113 SF	150 SF	1
OFFICE	58	84 SF	150 SF	1
OFFICE	63	94 SF	150 SF	1
READING ROOM	1031	3255 SF	50 SF	65
RECEPTION	70	90 SF	150 SF	1
RECORDS	27	534 SF	300 SF	2
STACKS	1021	2118 SF	100 SF	21
STAGE	107	1306 SF	15 SF	87
STAIRS	73	119 SF	150 SF	1
STOR.	57	29 SF	300 SF	0
T.L.T.	60	39 SF	150 SF	0
T.L.T.	61	20 SF	150 SF	0
TRIAGE	64	88 SF	150 SF	1
VEST.	28	14 SF	150 SF	0
VEST.	12	14 SF	150 SF	0
WOMEN'S	17	50 SF	150 SF	0

NOTE: THE EXISTING PROSCENIUM FIRE CURTAIN EMERGENCY RELEASE METHOD DOES NOT MEET NFPA 80 REQUIREMENTS. NFPA 80 DOES NOT ALLOW EMERGENCY RELEASE OPERATIONS BY CUTTING OR SEVERING A LINE. (2019 NFPA 80 20.7.3.4.1)

EMERGENCY RELEASE OPERATIONS COMPLYING WITH NFPA 80 SHALL UTILIZE BOTH OF THE FOLLOWING:

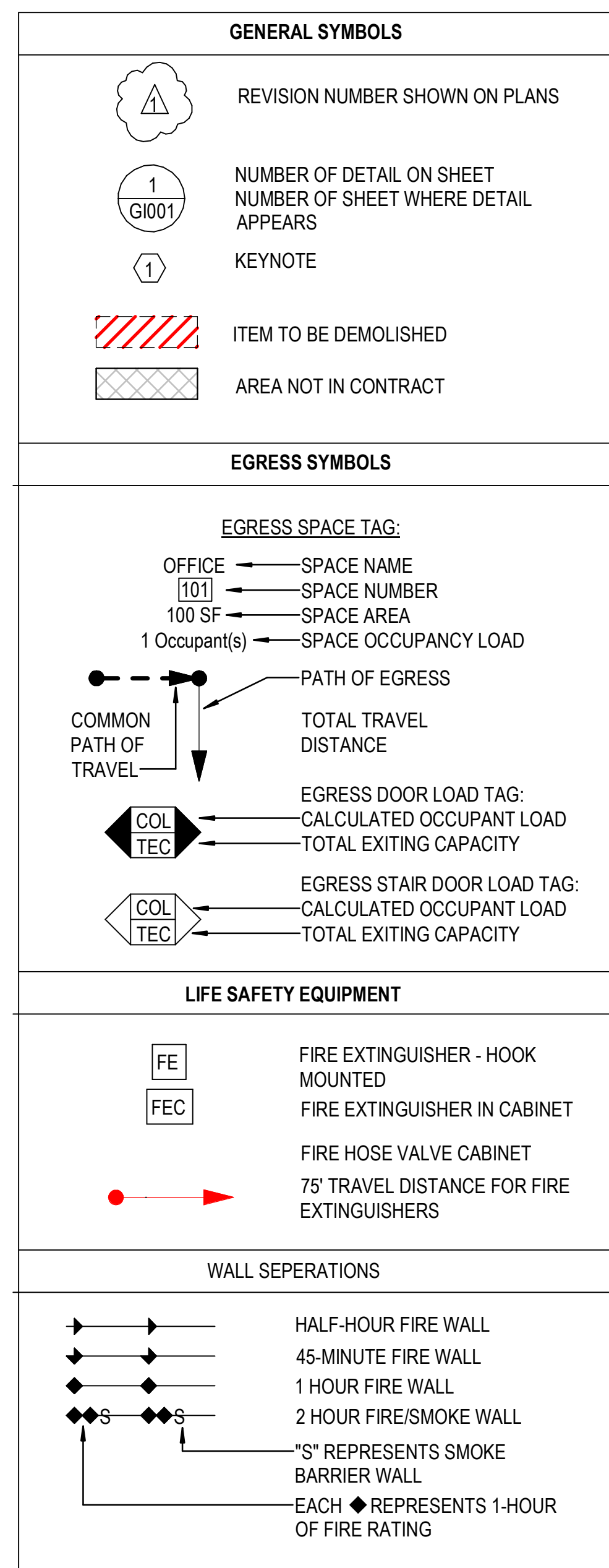
- AN AUTOMATIC EMERGENCY RELEASE INITIATED BY THE FIRE ALARM SYSTEM USING HEAT DETECTORS INSTALLED ABOVE THE STAGE. (2019 NFPA 80 20.7.3.4.1)
- THE AUTOMATIC RELEASE DEVICE IS STAGE EQUIPMENT NOT INCLUDED IN THIS CONTRACT. THE OWNER IS RESPONSIBLE FOR INSTALLATION OF THE DEVICE AND ENSURING CONNECTION TO THE FIRE ALARM SYSTEM BY A QUALIFIED FIRE ALARM TECHNICIAN.
- HEAT DETECTORS AND A FIRE ALARM RELAY WILL BE PROVIDED AS PART OF THIS CONTRACT TO ENABLE FUTURE CONNECTION OF THE NEW FIRE ALARM SYSTEM TO AN AUTOMATIC RELEASE DEVICE.
- MANUAL EMERGENCY RELEASE ACCOMPLISHED BY TWO QUICK RELEASE MECHANISMS ON THE STAGE SIDE OF THE CURTAIN. ONE QUICK RELEASE ON THE LEFT SIDE OF THE CURTAIN AND ONE ON THE RIGHT. (2019 NFPA 80 20.7.3.4.1) SIGNAGE SPECIFIC TO THE ACTION NECESSARY TO ACTIVATE THE MANUAL CLOSING DEVICE SHALL BE LOCATED WITHIN 2FT OF EACH MANUAL CLOSING DEVICE.
- THE MANUAL RELEASE DEVICES AND SIGNAGE ARE STAGE EQUIPMENT NOT INCLUDED IN THIS CONTRACT. THE OWNER IS RESPONSIBLE FOR INSTALLATION OF MANUAL RELEASE DEVICES AND SIGNAGE.



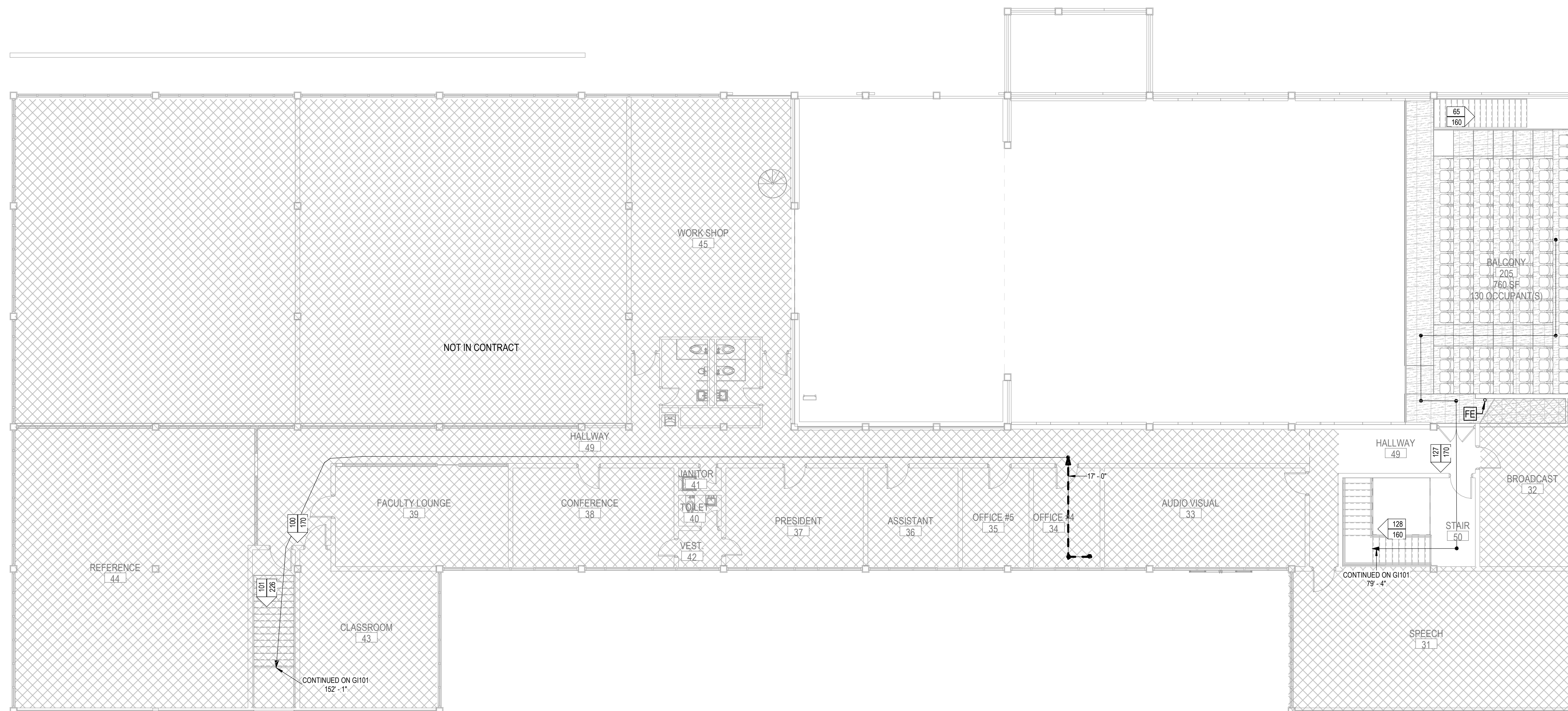
1 LIFE SAFETY FIRST FLOOR PLAN
1/8" = 1'-0"

**PHILANDER
SMITH
UNIVERSITY**

M.L. HARRIS
AUDITORIUM
RENOVATION



OCCUPANCY LOAD - SECOND FLOOR				
Room		Area Calculations		Number of People
Name	Number	Area	Area per Person	
ASSISTANT	36	180 SF	150 SF	1
AUDIO VISUAL	33	400 SF	20 SF	20
BALCONY	205	760 SF	6 SF	130
BROADCAST	32	303 SF	150 SF	2
CLASSROOM	43	392 SF	20 SF	20
CONFERENCE	38	322 SF	15 SF	21
FACULTY LOUNGE	39	352 SF	15 SF	23
HALLWAY	49	197 SF	150 SF	1
HALLWAY	49	944 SF	150 SF	6
JANITOR	41	19 SF	300 SF	0
MEN	46	60 SF	150 SF	0
OFFICE #4	34	133 SF	150 SF	1
OFFICE #5	35	133 SF	150 SF	1
PRESIDENT	37	275 SF	150 SF	2
REFERENCE	44	1324 SF	150 SF	9
Room	51	134 SF	150 SF	1
SPEECH	31	770 SF	20 SF	39
STAIR	50	169 SF	150 SF	1
TOILET	40	26 SF	150 SF	0
VEST.	42	32 SF	150 SF	0
WOMEN	47	57 SF	150 SF	0
WORK SHOP	45	778 SF	50 SF	16



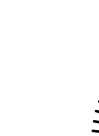
1 LIFE SAFETY SECOND FLOOR PLAN
1/8" = 1'-0" 0 4 8 16

Design Phase _____

**CONSTRUCTION
DOCUMENTS**

[illegible]

Stamp





03-02-2026

1. CROMWELL ARCHITECTS ENGINEERS, INC.
ALL RIGHTS RESERVED

2. THIS SHEET DESIGNED FOR COLOR PRINTING.
CRITICAL INFORMATION MAY BE LOST WITH
BLACK AND WHITE PRINTING.

Project Number **2024-060**

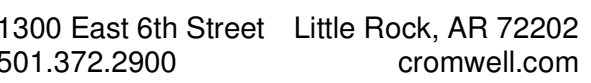
Issue Date **03-02-2026**

Sheet Title

**LIFE SAFETY SECOND
FLOOR PLAN**

Sheet Number _____

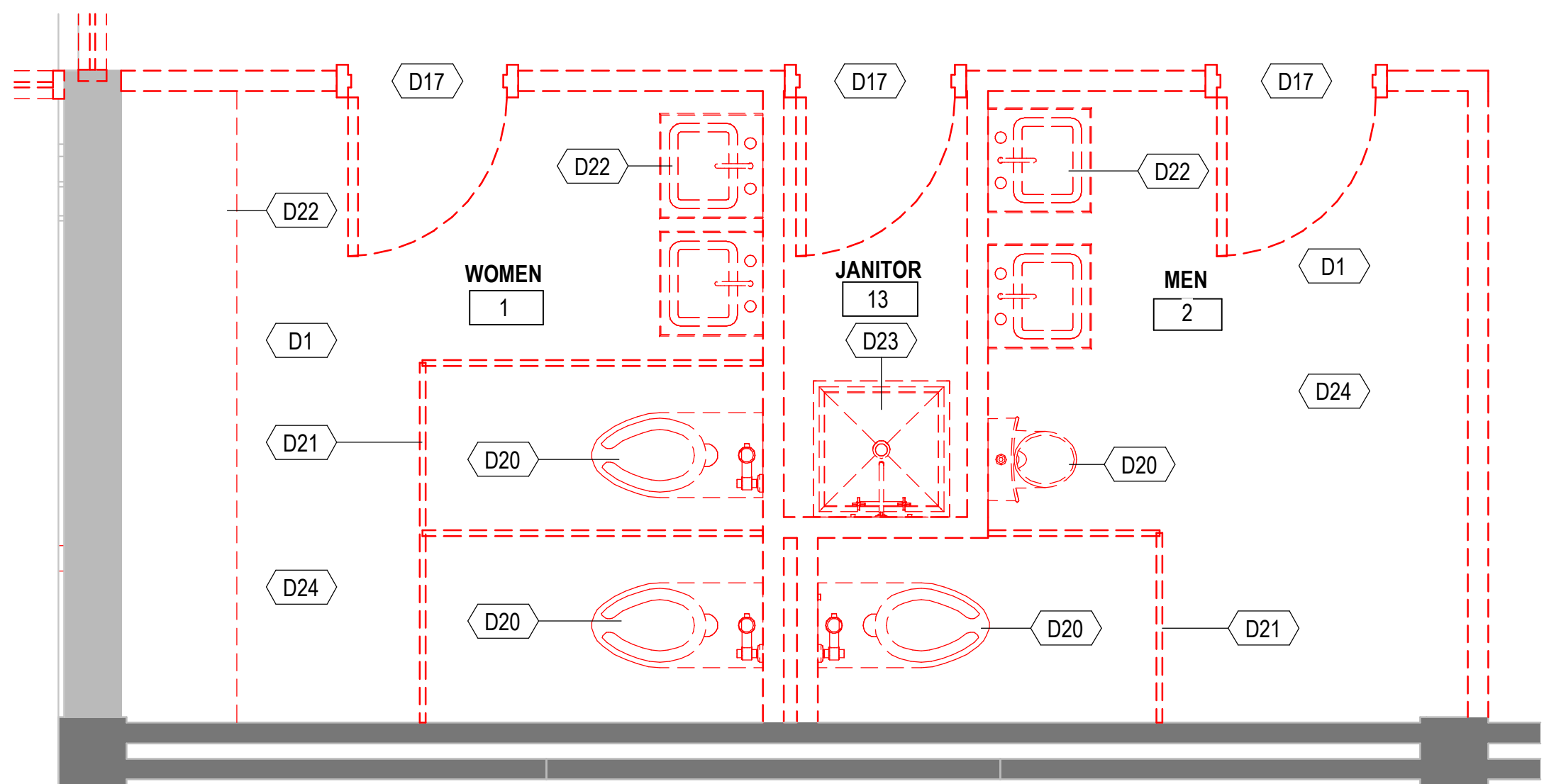
GI102



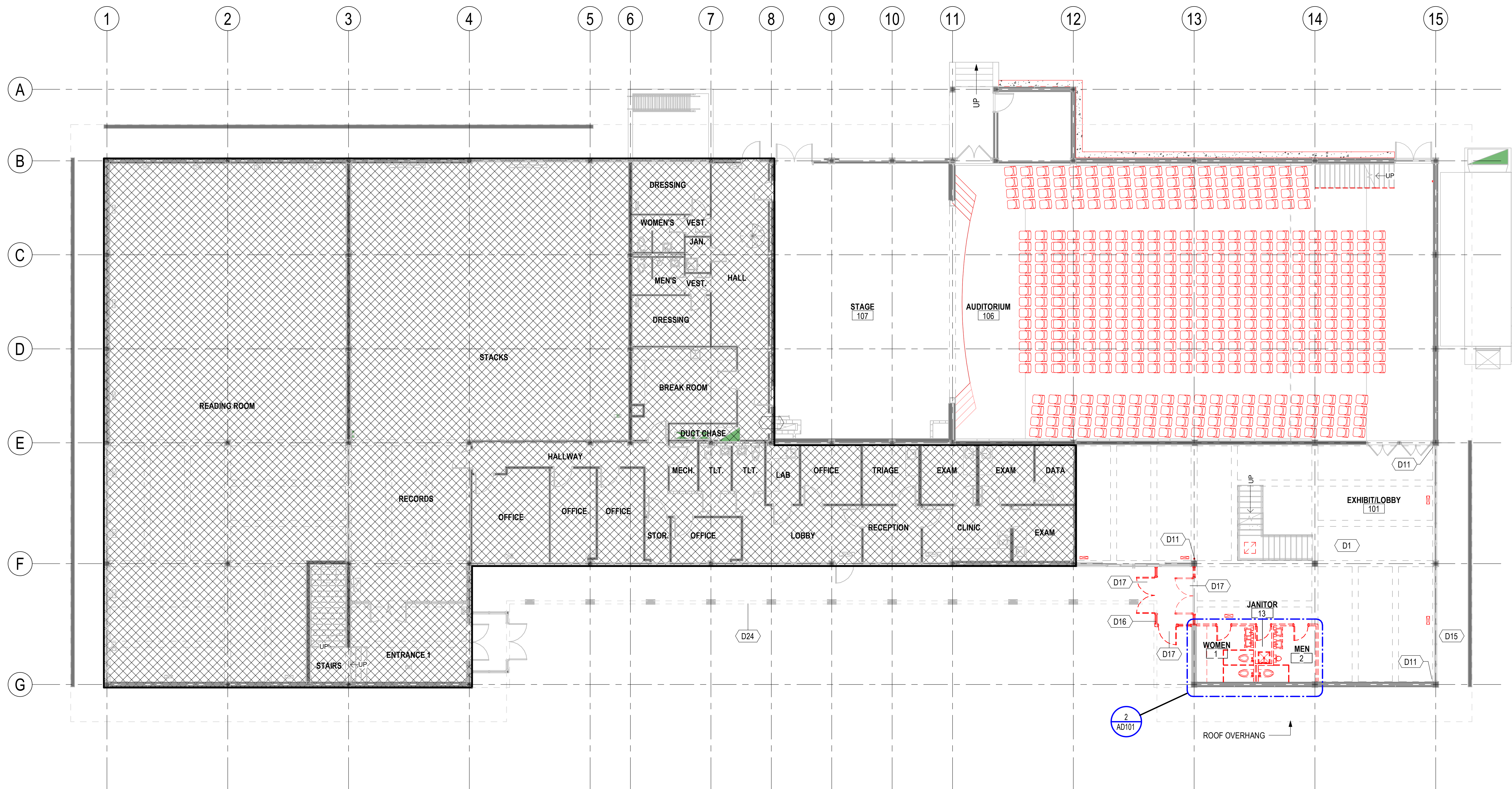
M.L. HARRIS
AUDITORIUM
RENOVATION

DEMO FLOOR PLAN GENERAL NOTES:

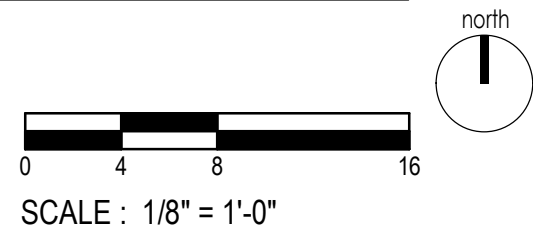
1. EXISTING STRUCTURE TO REMAIN IS SHADED; ITEMS TO BE DEMOLISHED ARE INDICATED DASHED IN RED. SEE SHEET A-1 FOR NEW CONSTRUCTION.
2. CONTRACTOR SHALL VERIFY THAT ALL FIELD CONDITIONS AND DIMENSIONS ARE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
3. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS
4. ALL EQUIPMENT, FURNITURE, AND FIXTURES IN SCOPE OF WORK AREA TO BE REMOVED. OWNER TO REMOVE ANY ITEMS TO REMAIN DURING PRE-CONSTRUCTION MEETING.
5. CONTRACTOR RESPONSIBLE FOR ALL TEMPORARY STRUCTURALLY BRACING.
6. REMOVE ANY WALL MOUNTED EQUIPMENT AND SIGNAGE AND PROVIDE TO OWNER IN REUSABLE, UN Damaged, CONDITION.
8. REMOVE AND REFINISH EXISTING DOORS AND PREP FOR NEW HARDWARE.
9. ANY WALL PENETRATIONS THAT ARE NOT REUSED ARE TO BE INFILLED WITH COMPATIBLE PATCHING MATERIAL TO MATCH ADJACENT WALL.
10. REMOVE ALL EXISTING EXPOSED CONDUIT TO REPAINT WALL



2 LOBBY ENLARGED RESTROOM DEMO PLAN
1/2" = 1'-0"

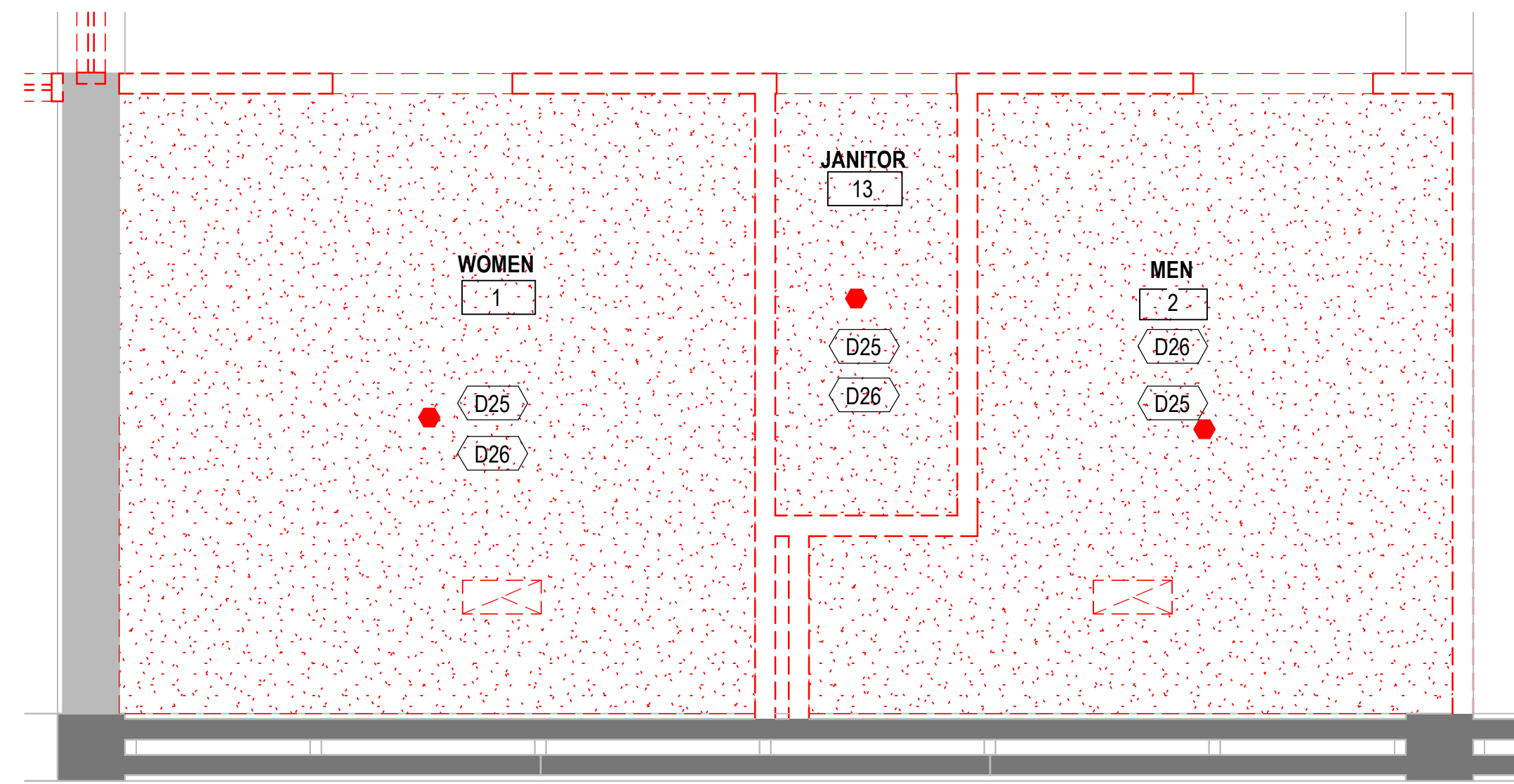


1 FIRST FLOOR DEMO PLAN
1/8" = 1'-0"



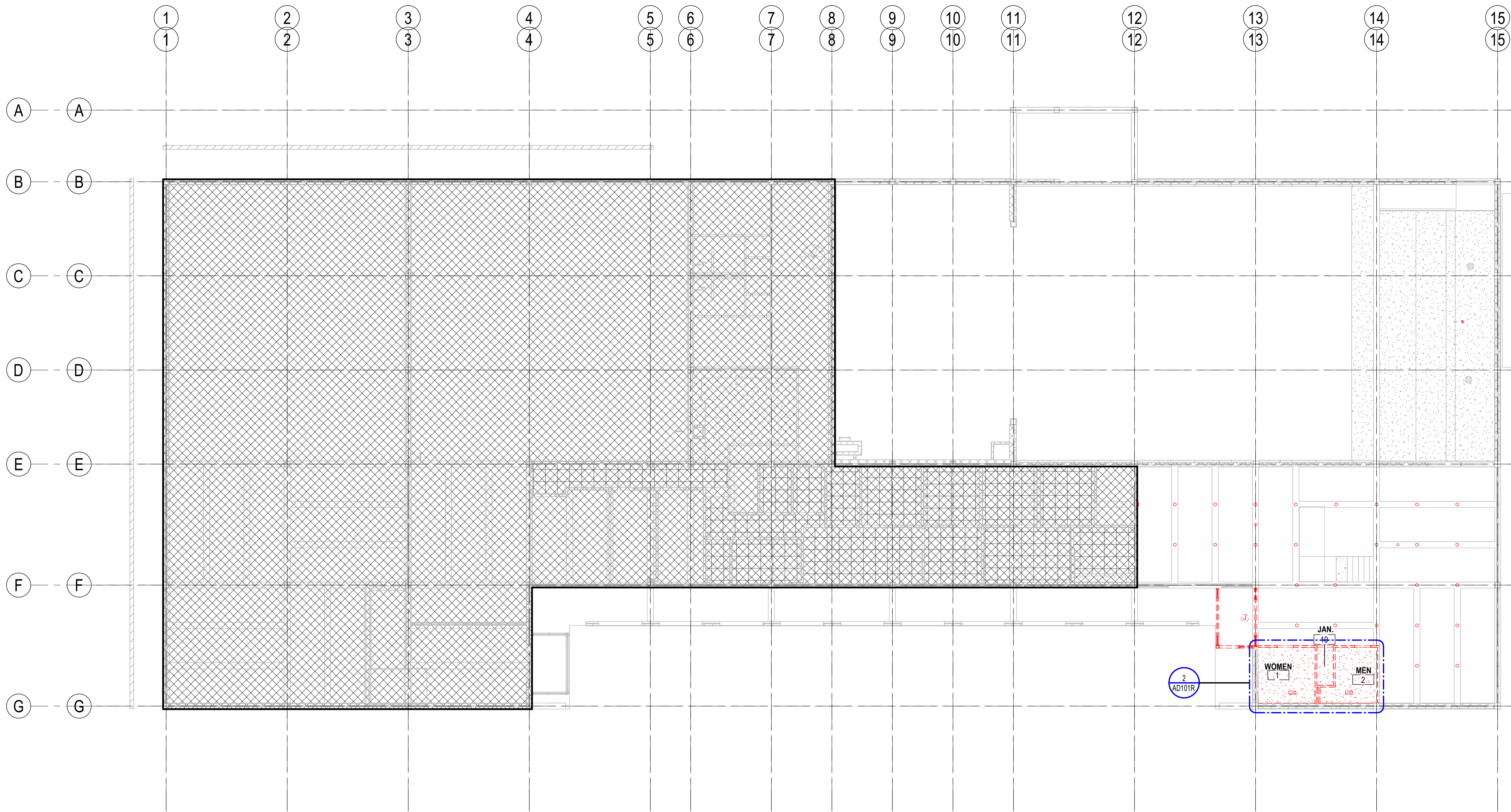
FIRST FLOOR DEMO PLAN

AD101

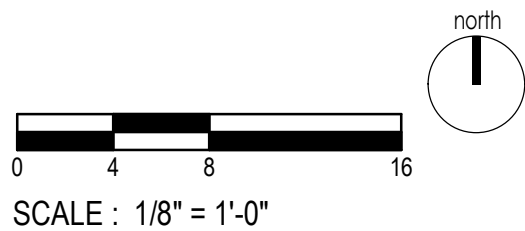


DEMO KEYED NOTES	
Key Value	Keynote Text
D25	DEMO CEILING
D26	DEMO CEILING AND WALL MOUNTED FIXTURES

2 LOBBY ENLARGED DEMO REFLECTED CEILING PLAN
1/2" = 1'-0"



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



Design Phase
CONSTRUCTION DOCUMENTS

Revisions		
No.	Date	Description

Stamp

03-02-2026

Notes

1. CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED

2. THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.

Project Number 2024-060

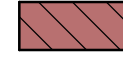
Issue Date 03-02-2026

Sheet Title

FLOOR PLAN GENERAL NOTES:

1. DIMENSIONS ARE TO FINISH FACE OF EXTERIOR WALLS AND FACE OF STUD AT INTERIOR WALLS, UNLESS NOTED OTHERWISE.
2. PROVIDE NECESSARY BLOCKING FOR NEW TOILET PARTITIONS. COORDINATE WITH MANUFACTURER REQUIREMENTS.
3. CONTRACTOR SHALL VERIFY THAT ALL FIELD CONDITIONS AND DIMENSIONS ARE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS
4. ALL PLUMBING FIXTURES TO BE REPLACED IN EXISTING LOCATIONS UNLESS DIMENSIONED AND NOTED OTHERWISE
5. PATCH EXISTING WALLS AS NEEDED, CLEAN, AND PREP FOR NEW MATERIALS TO BE APPLIED.

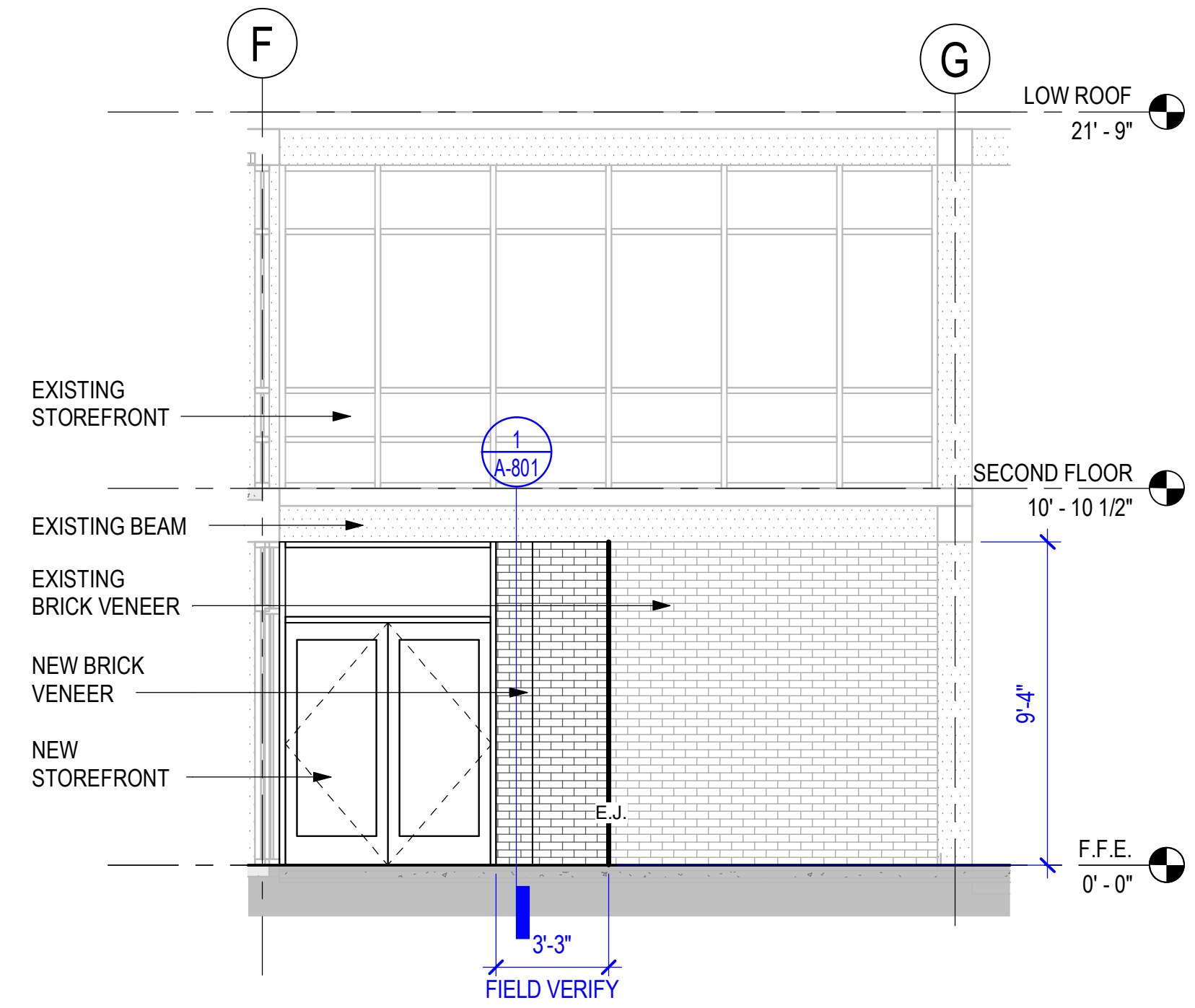
EXTERIOR FINISH LEGEND:

BRICK TYPE 1 

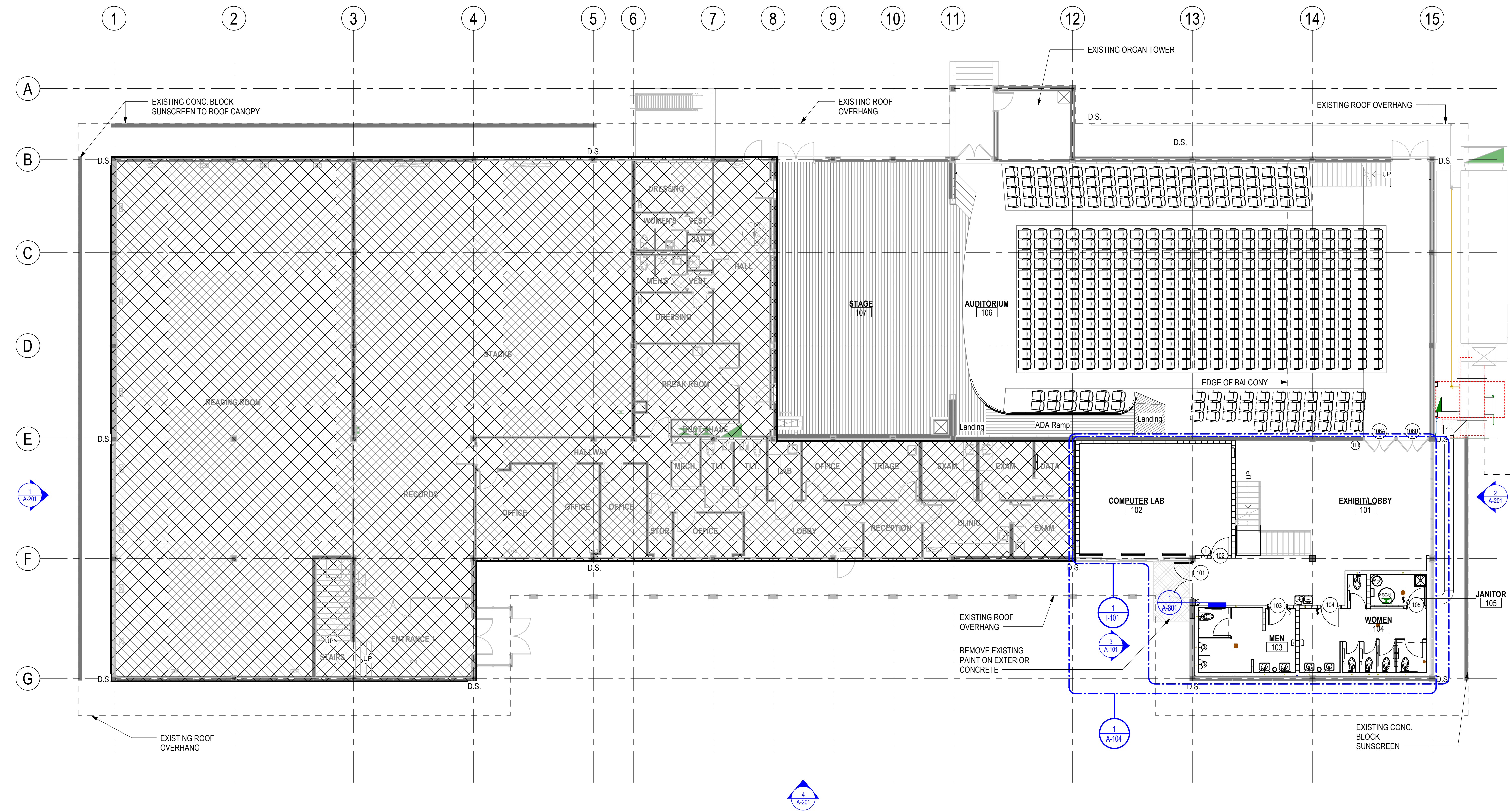
BRICK TYPE 1 TO MATCH EXISTING. VERIFY BRICK COLOR WITH ARCHITECT

LEGEND:

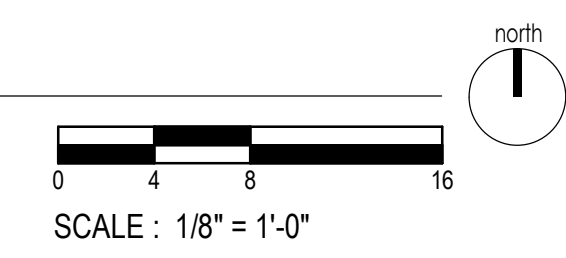
E.J. AT VERTICAL MASONRY EXP. JT. / CONTROL JOINT



3 NEW STOREFRONT & BRICK VENEER ELEVATION
1/4" = 1'-0"



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



Design Phase
CONSTRUCTION DOCUMENTS

Revisions		
No.	Date	Description

Stamp





03-02-2026

- Notes
1. CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED
 2. THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.
- Project Number **2024-060**
- Issue Date **03-02-2026**
- Sheet Title

FIRST FLOOR PLAN

Sheet Number

A-101

PHILANDER SMITH UNIVERSITY

M.L. HARRIS AUDITORIUM RENOVATION

SYMBOLS LEGEND

SEE A-601 FOR MATERIAL SELECTIONS AND ADDITIONAL INFORMATION

GYP. BOARD CEILING - FINISH AS SCHEDULED

LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS

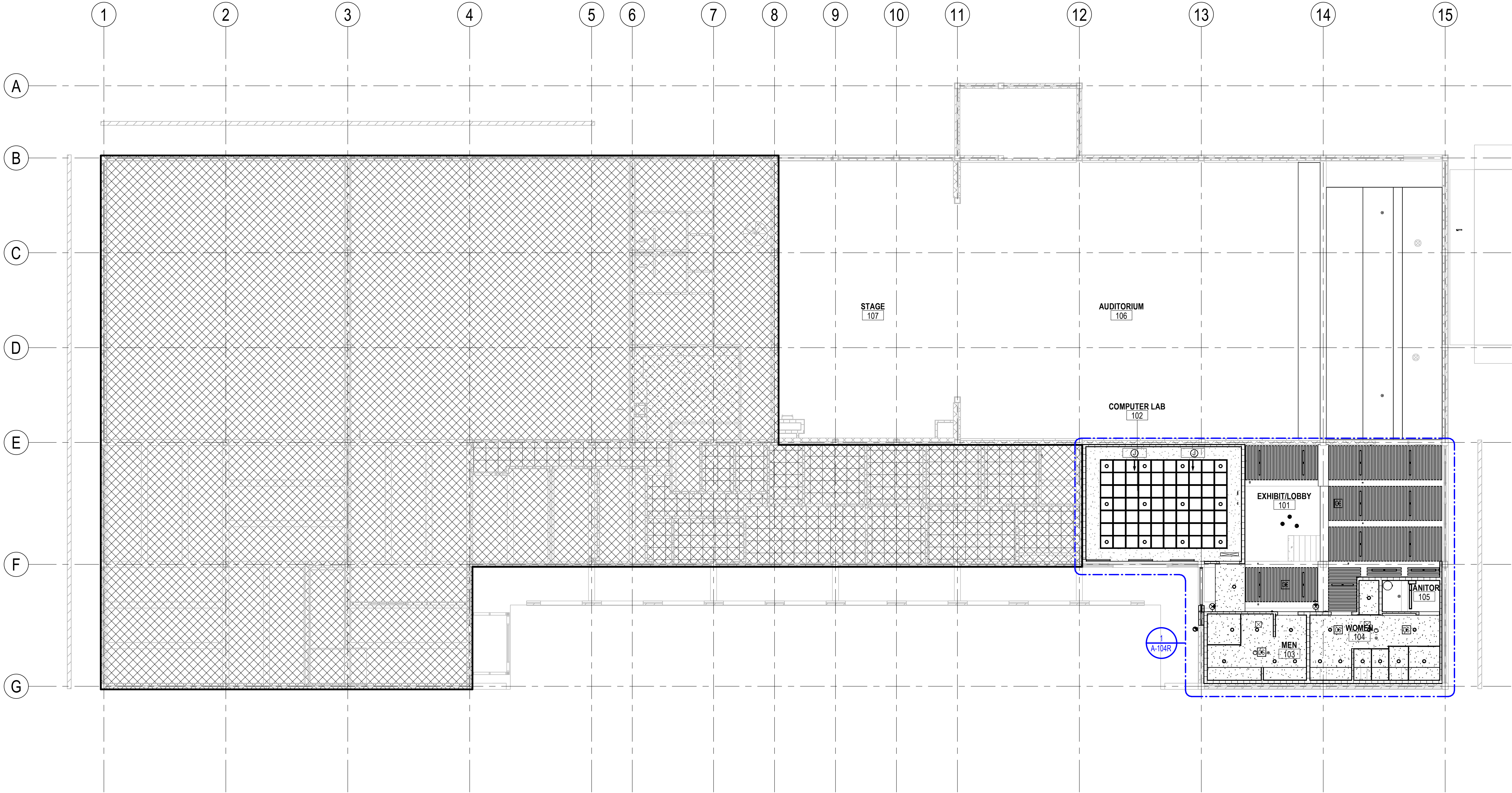
ACOUSTIC CEILING BAFFLES - FINISH AS SCHEDULED

ACOUSTIC CEILING GRID - FINISH AS SCHEDULED

WALL SCONCE - SEE ELECTRICAL DRAWINGS

NO CEILING

REFER TO LIFE SAFETY, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION NOT SHOWN.



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

Design Phase
CONSTRUCTION DOCUMENTS

Revisions		
No.	Date	Description

Stamp

REGISTERED ARCHITECTS
C-98
ARKANSAS

REGISTERED ARCHITECT
CROMWELL
No. 4020
ARKANSAS

03-02-2026

Notes

- CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED
- THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.

Project Number
2024-060

Issue Date
03-02-2026

Sheet Title

FIRST FLOOR REFLECTED CEILING PLAN

Sheet Number

A-101R

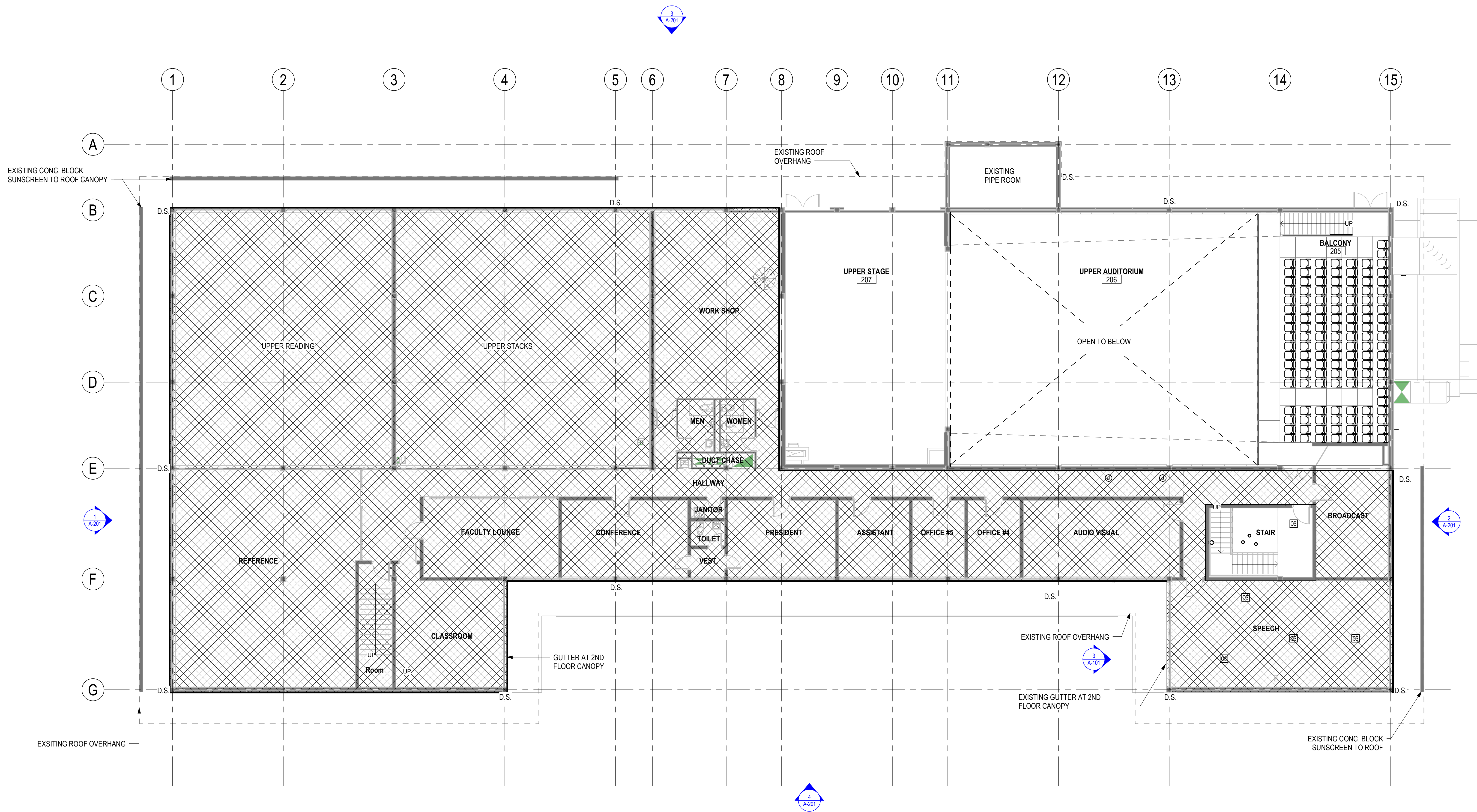
FLOOR PLAN GENERAL NOTES:

- 1. DIMENSIONS ARE TO FINISH FACE OF EXTERIOR WALLS AND FACE OF STUD AT INTERIOR WALLS, UNLESS NOTED OTHERWISE.
- 2. PROVIDE NECESSARY BLOCKING FOR NEW TOILET PARTITIONS. COORDINATE WITH MANUFACTURER REQUIREMENTS.
- 3. CONTRACTOR SHALL VERIFY THAT ALL FIELD CONDITIONS AND DIMENSIONS ARE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 4. ALL PLUMBING FIXTURES TO BE REPLACED IN EXISTING LOCATIONS UNLESS DIMENSIONED AND NOTED OTHERWISE.
- 5. PATCH EXISTING WALLS AS NEEDED, CLEAN, AND PREP FOR NEW MATERIALS TO BE APPLIED.



PHILANDER
SMITH
UNIVERSITY

M.L. HARRIS
AUDITORIUM
RENOVATION



CONSTRUCTION
DOCUMENTS

Revisions		
No.	Date	Description

Stamp

C-98
REGISTERED
ARCHITECTS
ARKANSAS

REGISTERED ARCHITECT
CROMWELL
No. 4020
ARKANSAS

03-02-2026

- Notes
- 1. CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED
 - 2. THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.

Project Number 2024-060
Issue Date 03-02-2026
Sheet Title

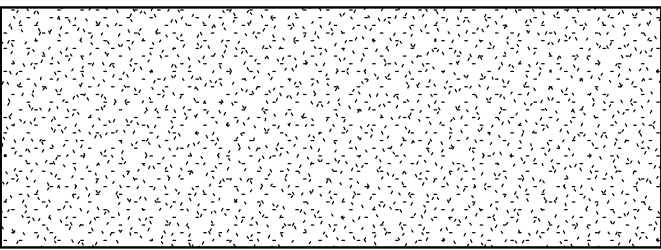
SECOND FLOOR PLAN

Sheet Number

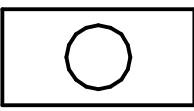
A-102

SYMBOLS LEGEND

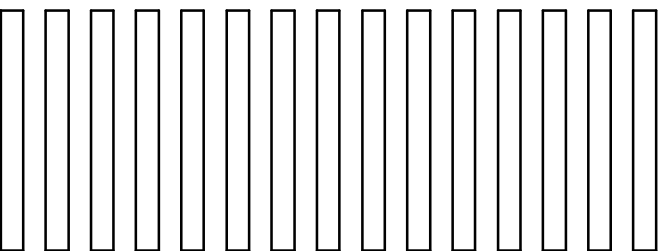
SEE A-601 FOR MATERIAL SELECTIONS AND ADDITIONAL INFORMATION



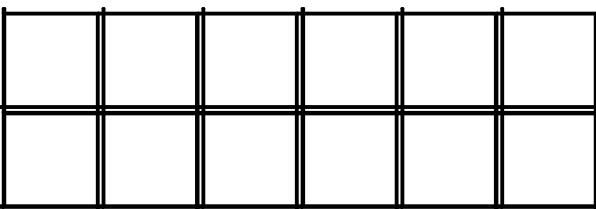
GYP. BOARD CEILING -
FINISH AS SCHEDULED



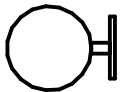
LIGHT FIXTURE - SEE
ELECTRICAL DRAWINGS



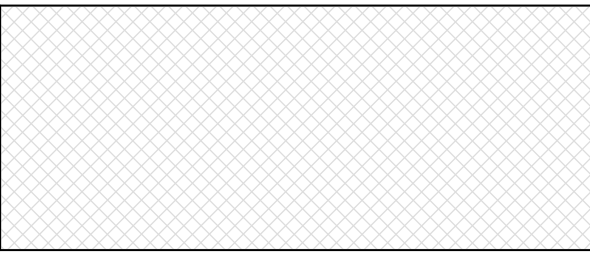
ACOUSTIC CEILING BAFFLES -
FINISH AS SCHEDULED



ACOUSTIC CEILING GRID -
FINISH AS SCHEDULED

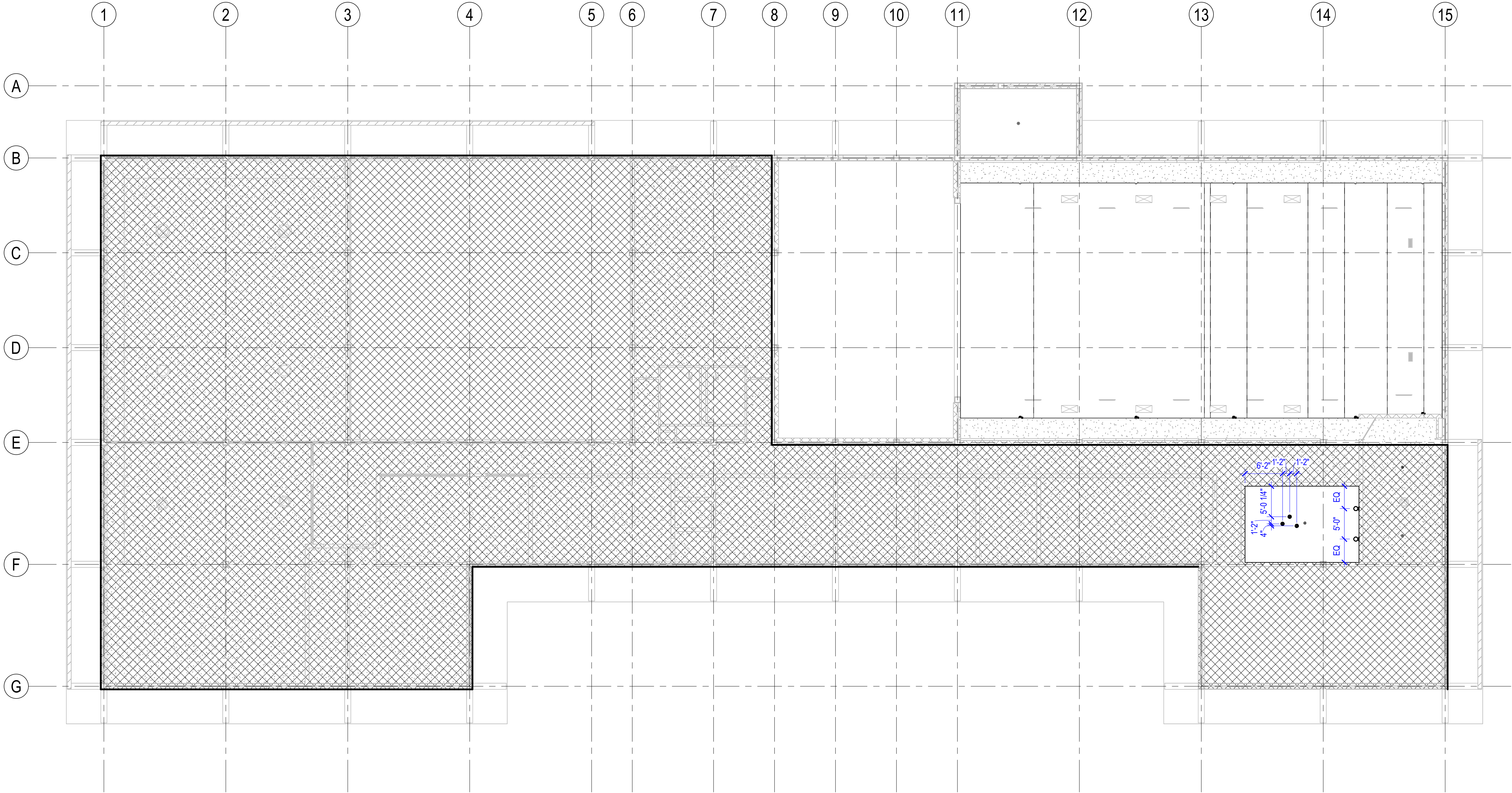


WALL SCONCE - SEE
ELECTRICAL DRAWINGS

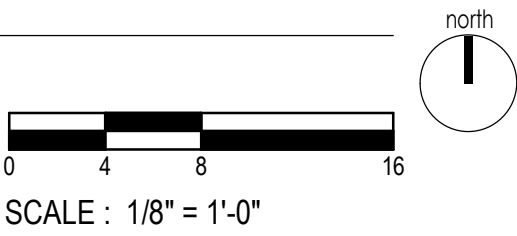


NO CEILING

REFER TO LIFE SAFETY, MECHANICAL AND ELECTRICAL DRAWINGS
FOR ADDITIONAL INFORMATION NOT SHOWN.



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



PHILANDER SMITH UNIVERSITY

M.L. HARRIS AUDITORIUM RENOVATION

Design Phase
CONSTRUCTION DOCUMENTS

Revisions		
No.	Date	Description

Stamp



03-02-2026

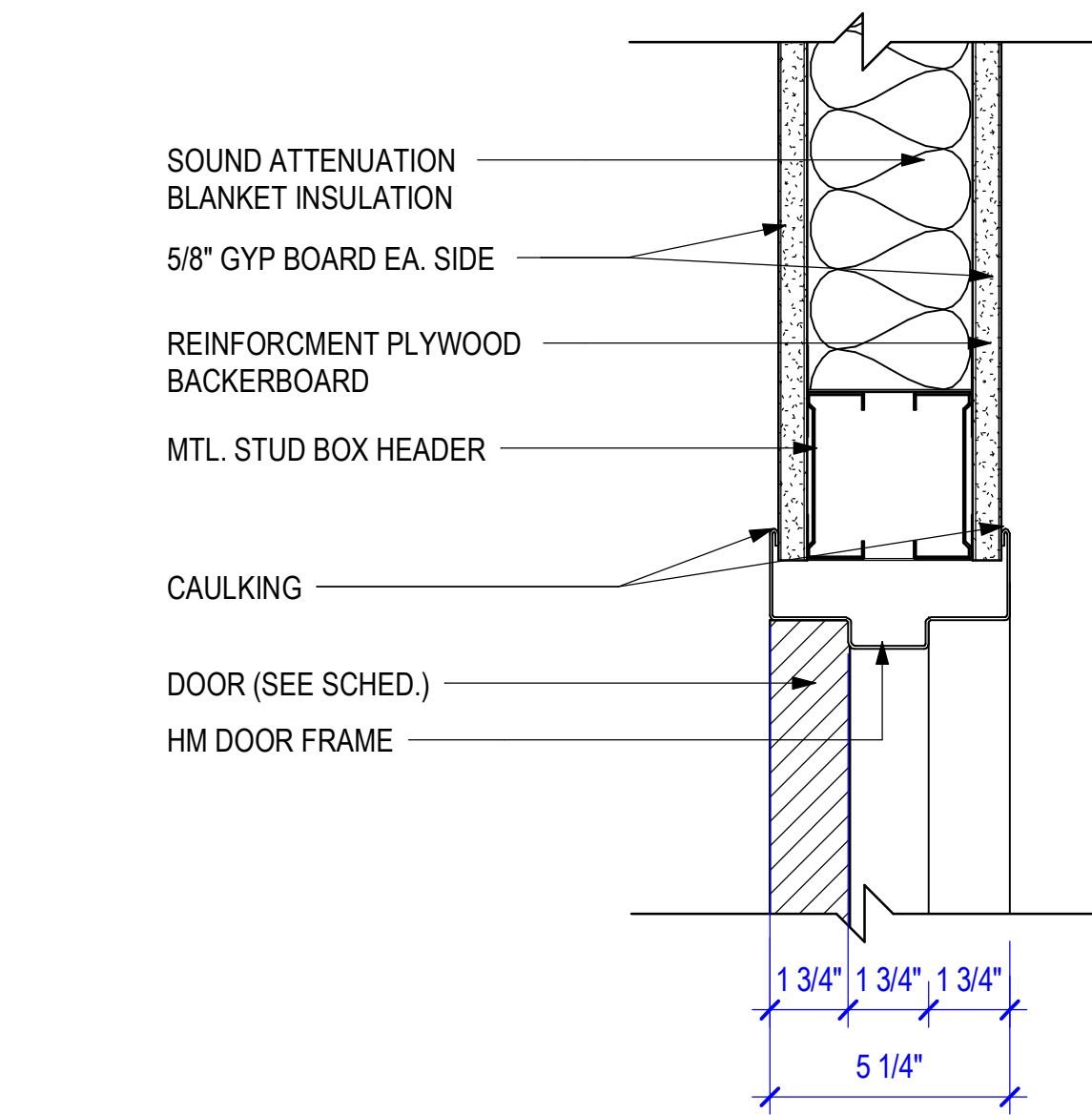
- Notes
- CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED
 - THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.

Project Number 2024-060
Issue Date 03-02-2026
Sheet Title

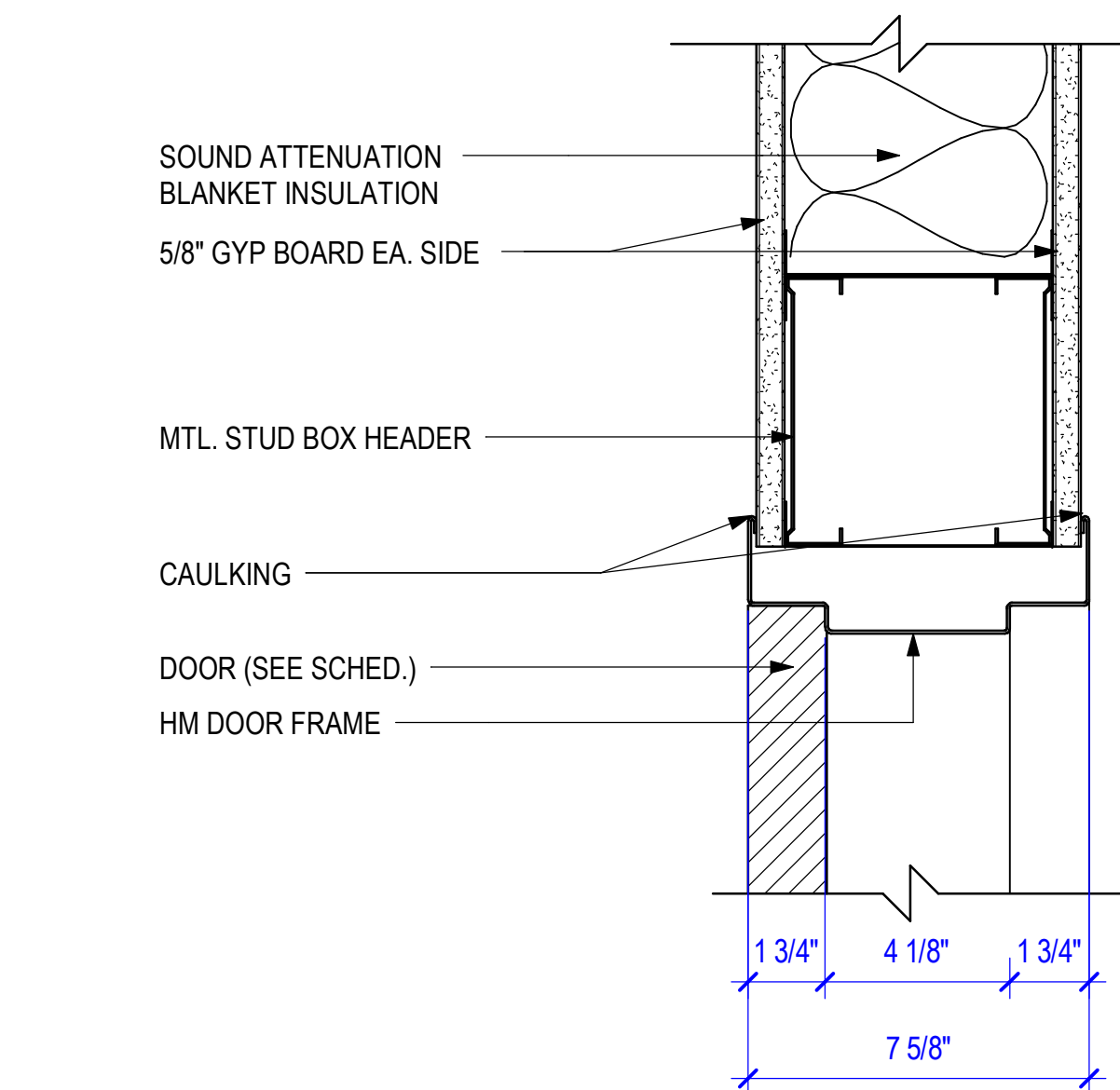
SECOND FLOOR REFLECTED CEILING PLAN

Sheet Number

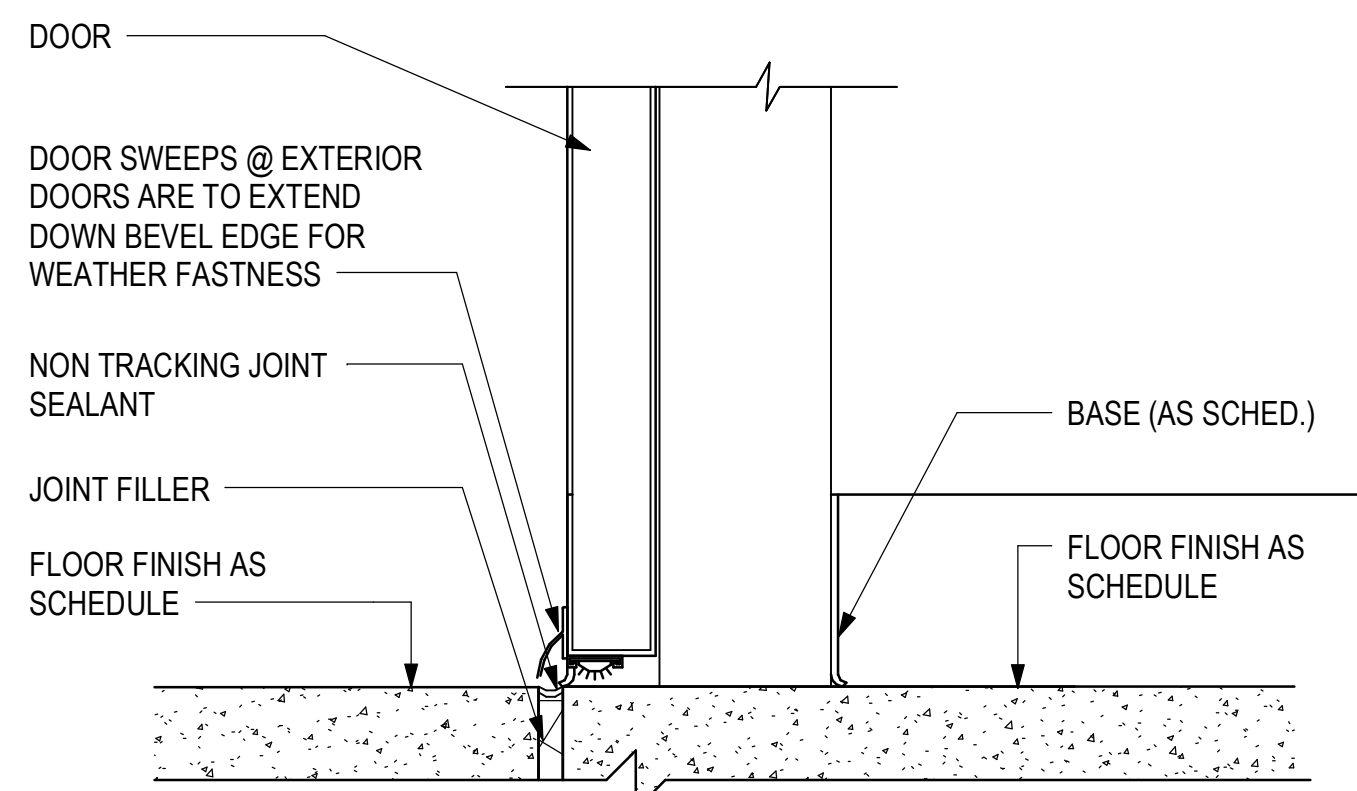
A-102R



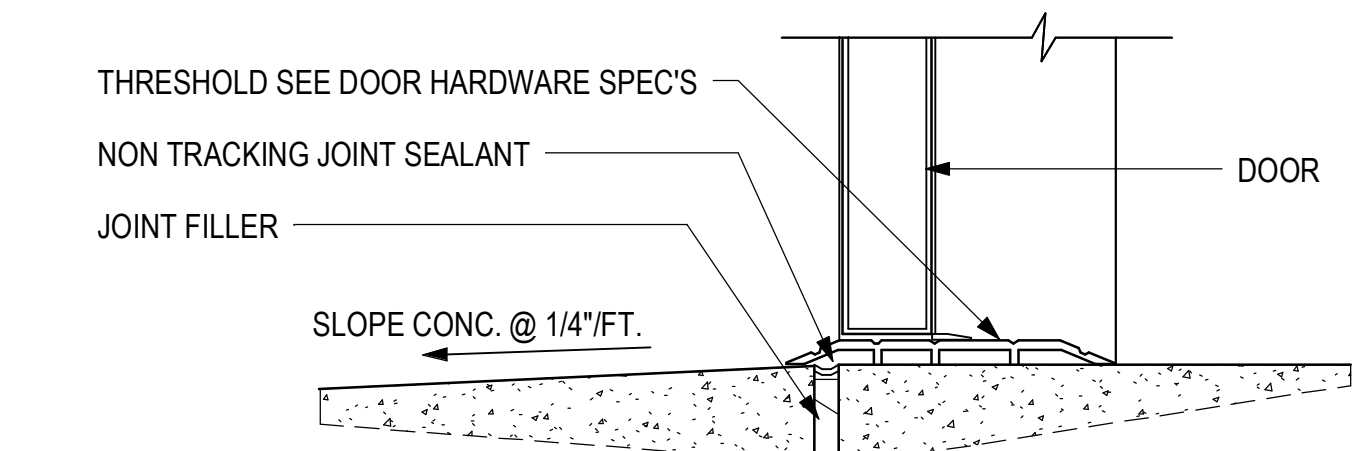
2 DOOR HEAD DETAIL @ INTERIOR
3" = 1'-0"



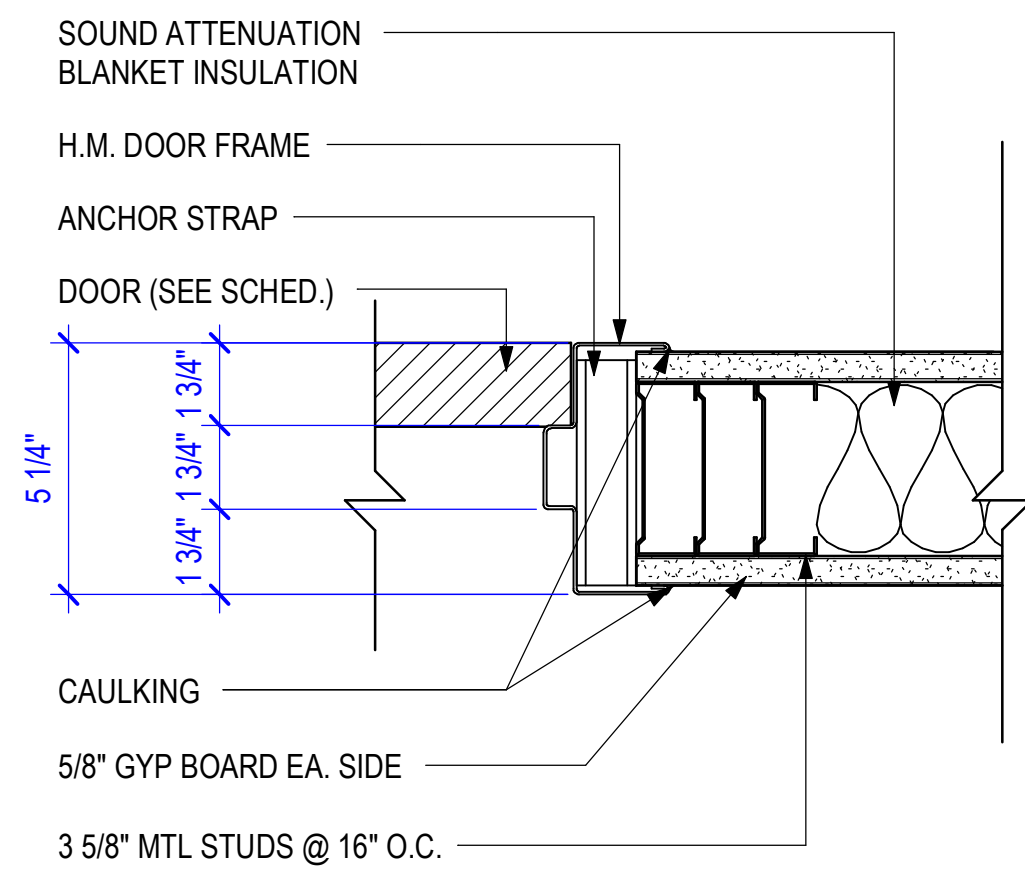
4 DOOR HEAD DETAIL @ INTERIOR
3" = 1'-0"



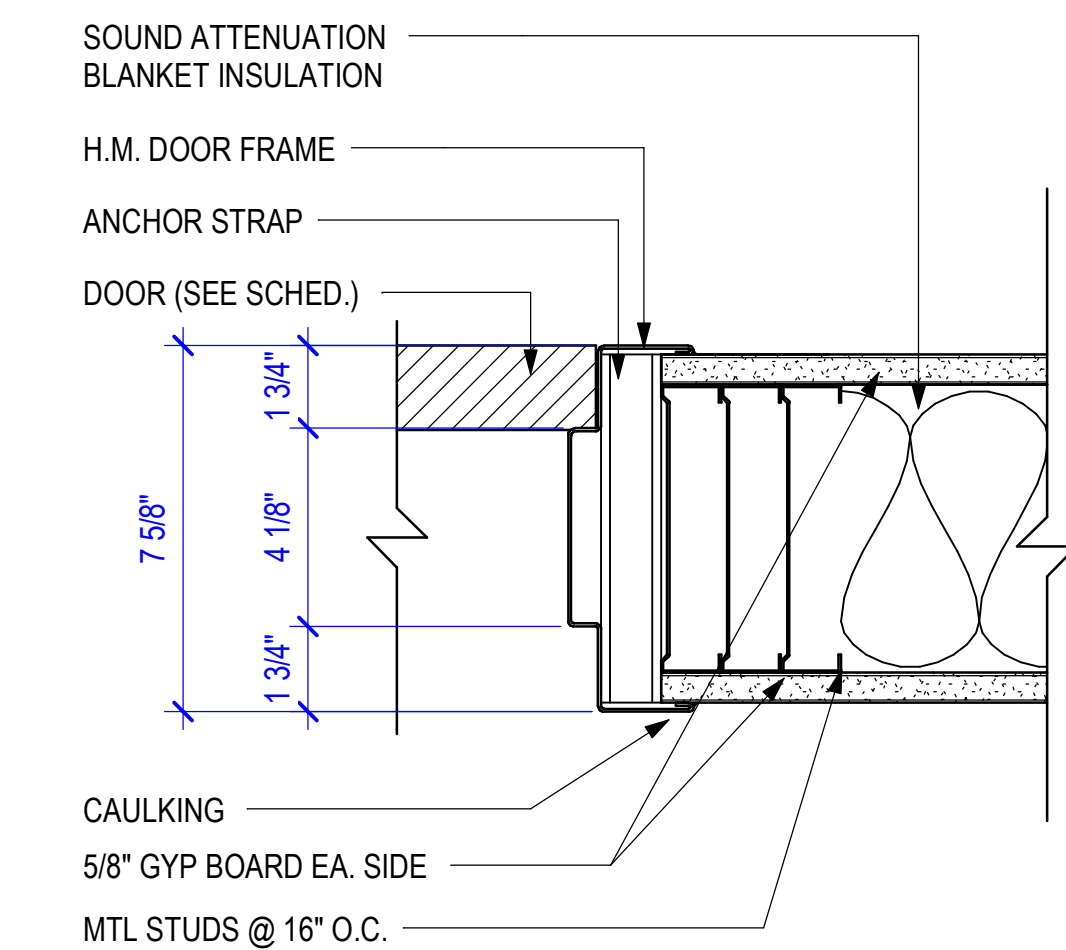
6 DOOR THRESHOLD DETAIL @ INTERIOR
3" = 1'-0"



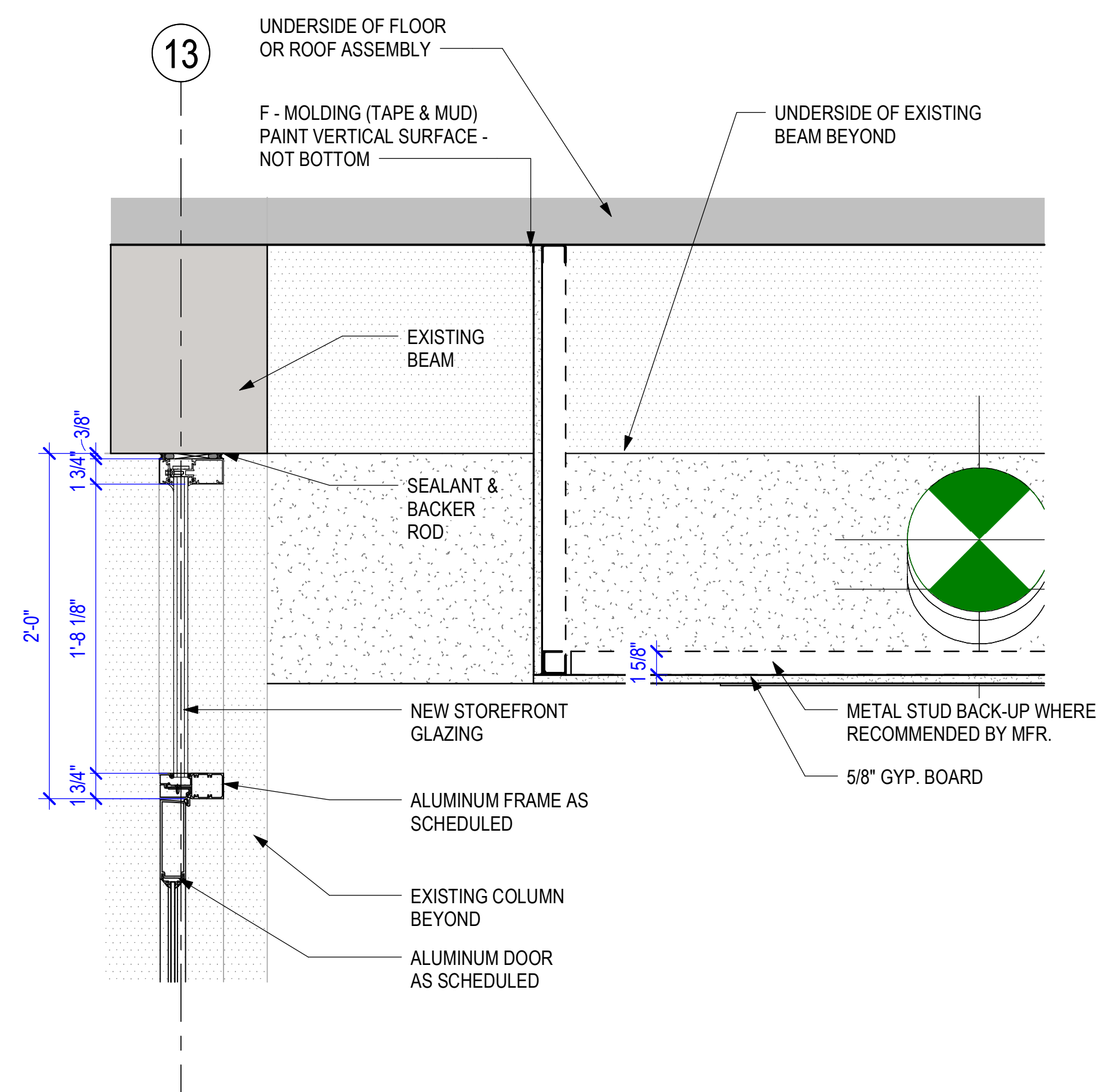
7 ALUMINUM DOOR SILL DETAIL
3" = 1'-0"



3 DOOR JAMB DETAIL @ INTERIOR
3" = 1'-0"



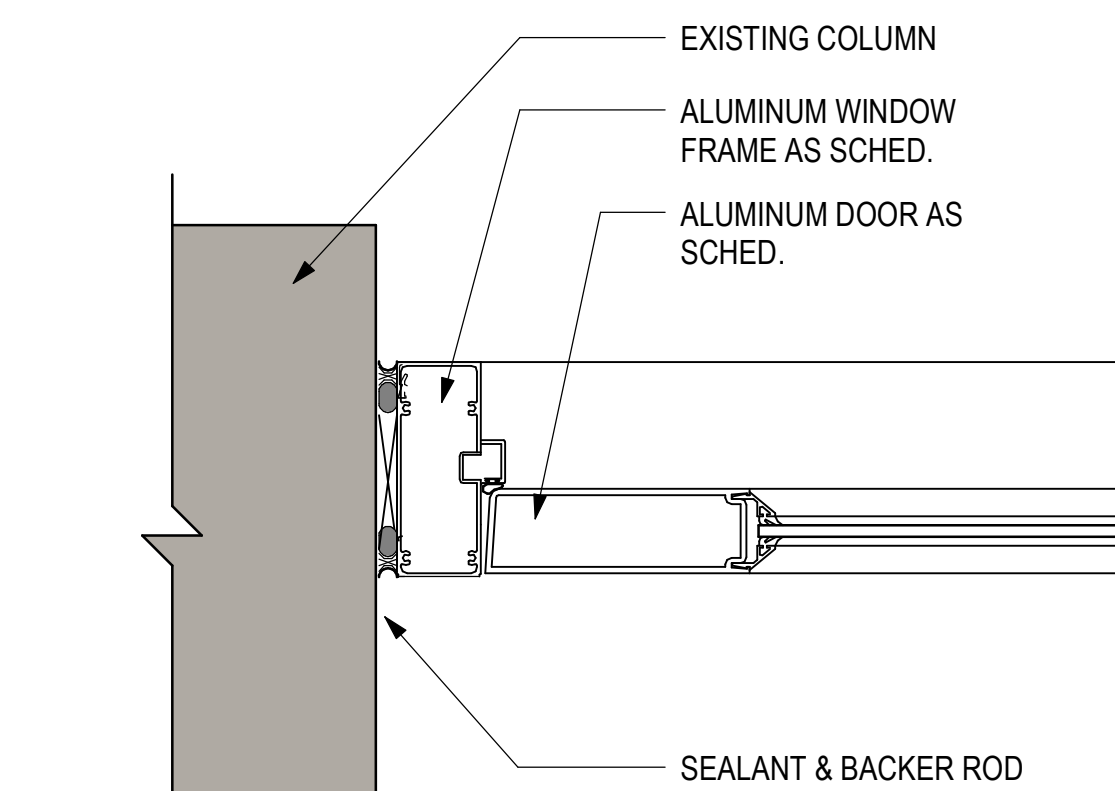
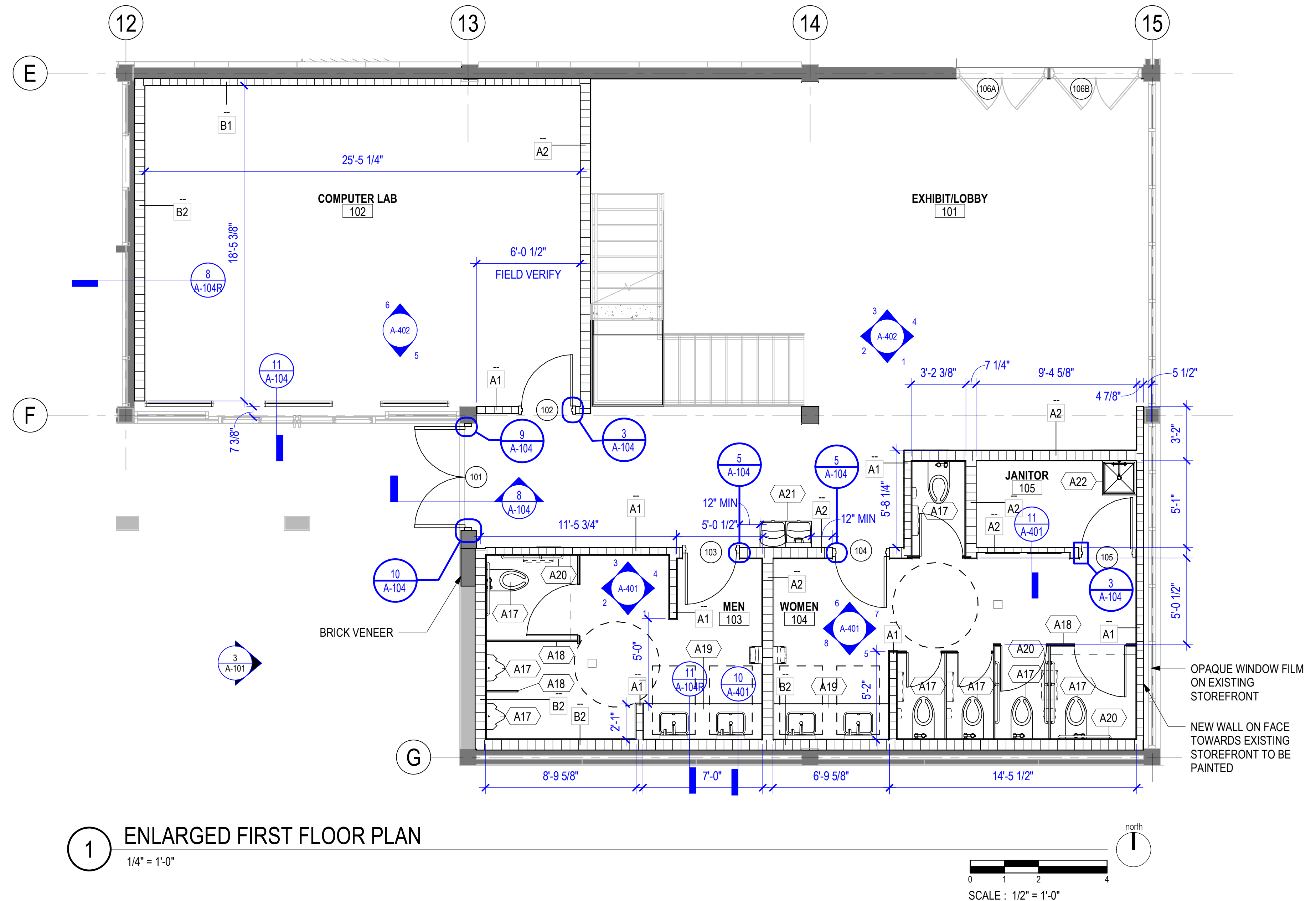
5 DOOR JAMB DETAIL @ INTERIOR
3" = 1'-0"



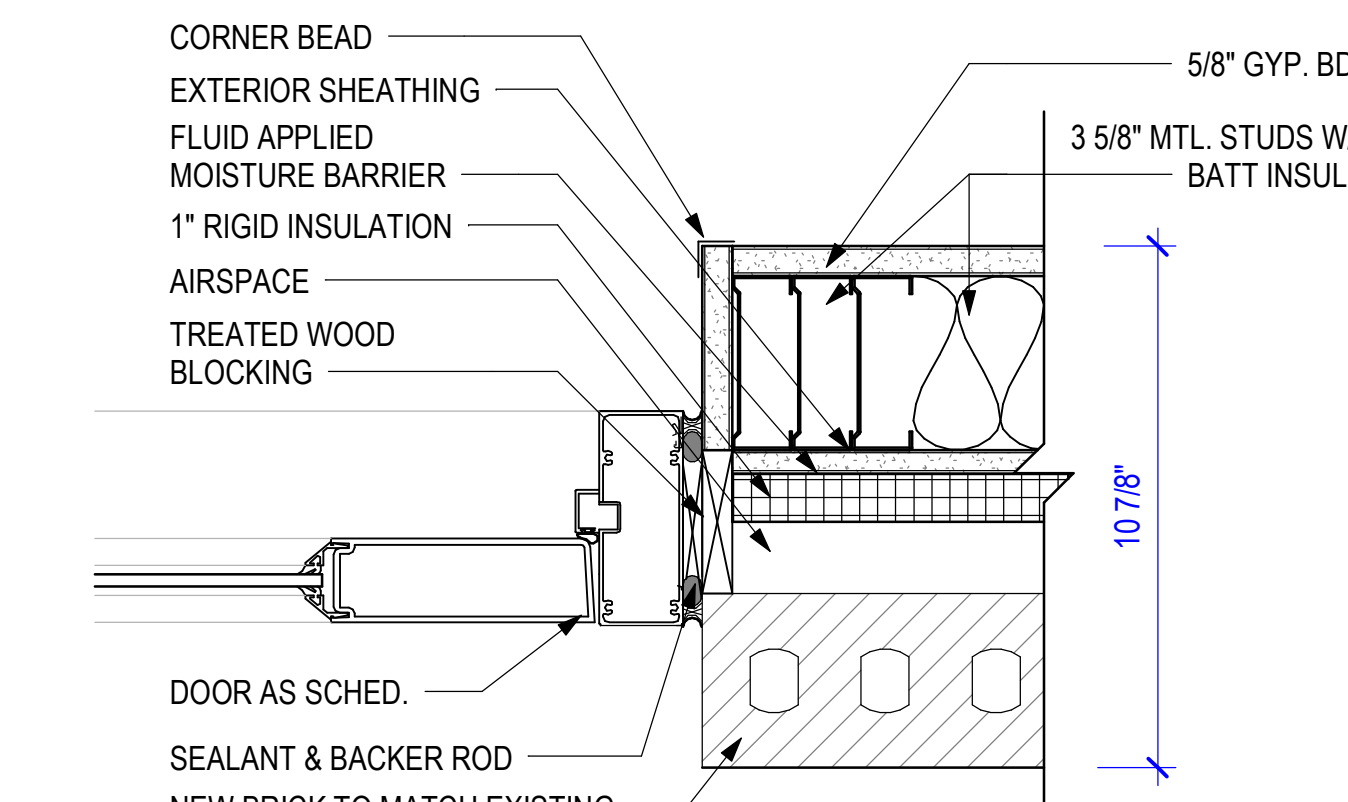
8 DOOR & WINDOW HEAD DETAL @ AL -1
1 1/2" = 1'-0"

GENERAL NOTE:
SEE G-003 FOR TOILET ACCESSORY SCHEDULE

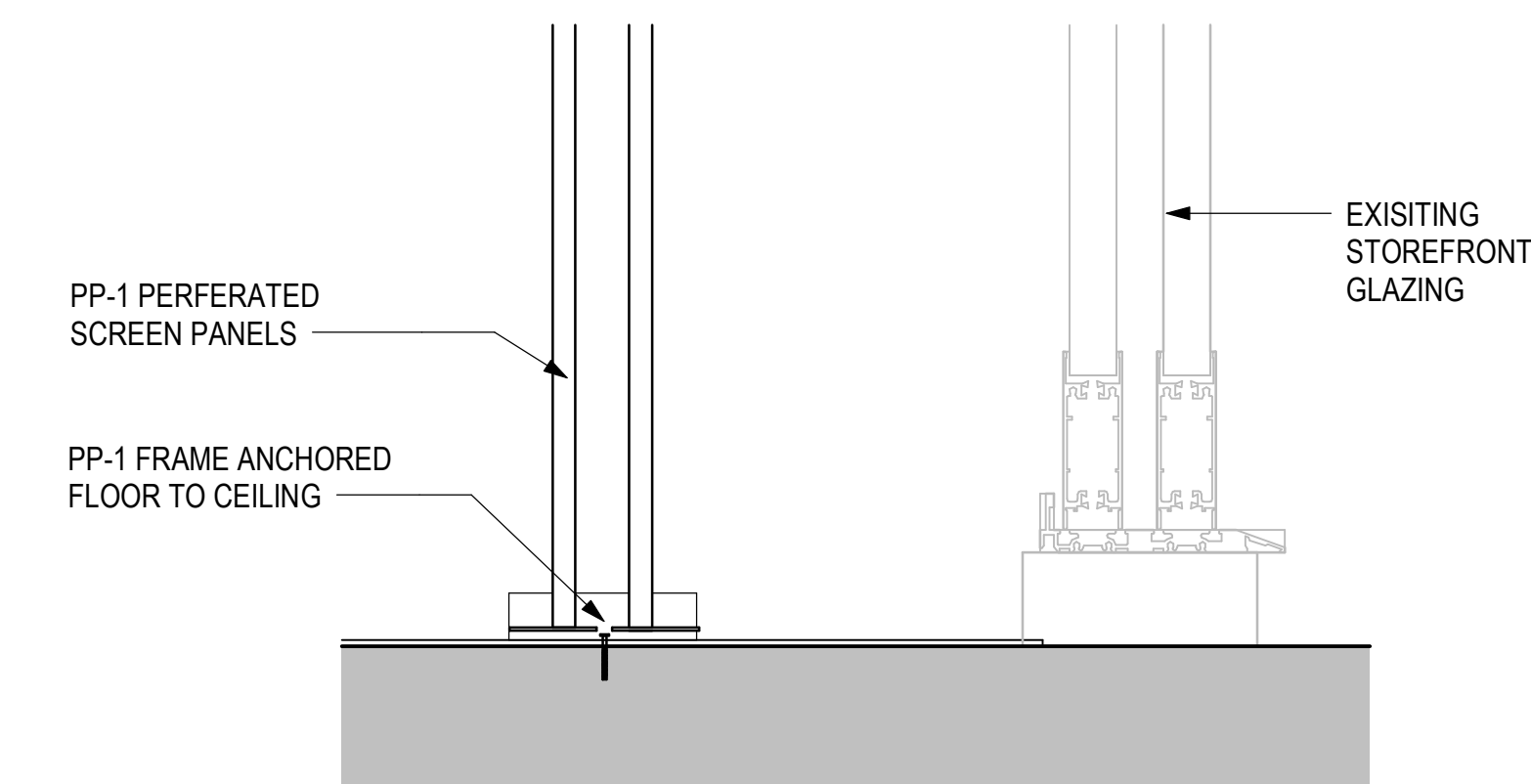
KEYED NOTES	
Key Value	Keynote Text
A17	NEW TOILETS AND URINALS
A18	NEW TOILET PARTITIONS
A19	NEW UNDERMOUNT LAVATORY IN QUARTZ COUNTERTOP
A20	NEW TOILET ACCESSORIES
A21	NEW WATER FOUNTAIN
A22	NEW MOP SINK



9 DOOR JAMB DETAL @ AL-1 (1)
3" = 1'-0"



10 DOOR JAMB DETAL @ AL-1 (2)
3" = 1'-0"



11 COMPUTER LAB PANEL FLOOR MOUNT DETAIL
3" = 1'-0"

FLOOR PLAN GENERAL NOTES:

- DIMENSIONS ARE TO FINISH FACE OF EXTERIOR WALLS AND FACE OF STUD AT INTERIOR WALLS, UNLESS NOTED OTHERWISE.
- PROVIDE NECESSARY BLOCKING FOR NEW TOILET PARTITIONS. COORDINATE WITH MANUFACTURER REQUIREMENTS.
- CONTRACTOR SHALL VERIFY THAT ALL FIELD CONDITIONS AND DIMENSIONS ARE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- ALL PLUMBING FIXTURES TO BE REPLACED IN EXISTING LOCATIONS UNLESS DIMENSIONED AND NOTED OTHERWISE.
- PATCH EXISTING WALLS AS NEEDED, CLEAN, AND PREP FOR NEW MATERIALS TO BE APPLIED.

PHILANDER
SMITH
UNIVERSITY

M.L. HARRIS
AUDITORIUM
RENOVATION

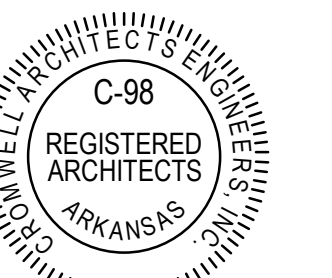
Design Phase

CONSTRUCTION
DOCUMENTS

Revisions

No. Date Description

Stamp



Notes

- CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED
- THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.

Project Number

2024-060

Issue Date

03-02-2026

Sheet Title

ENLARGED FIRST FLOOR
PLAN

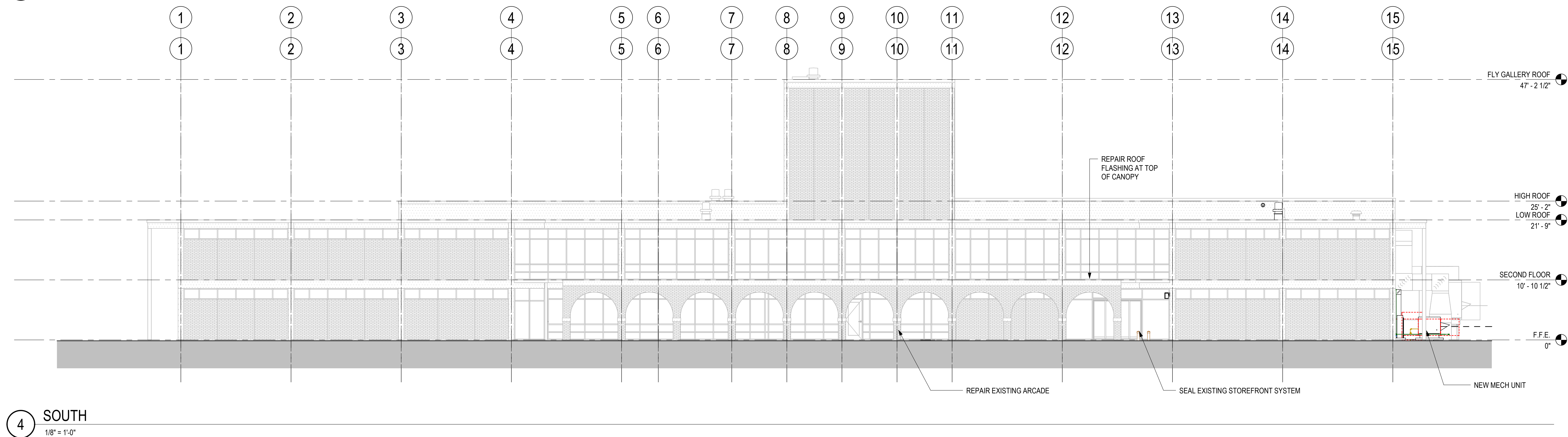
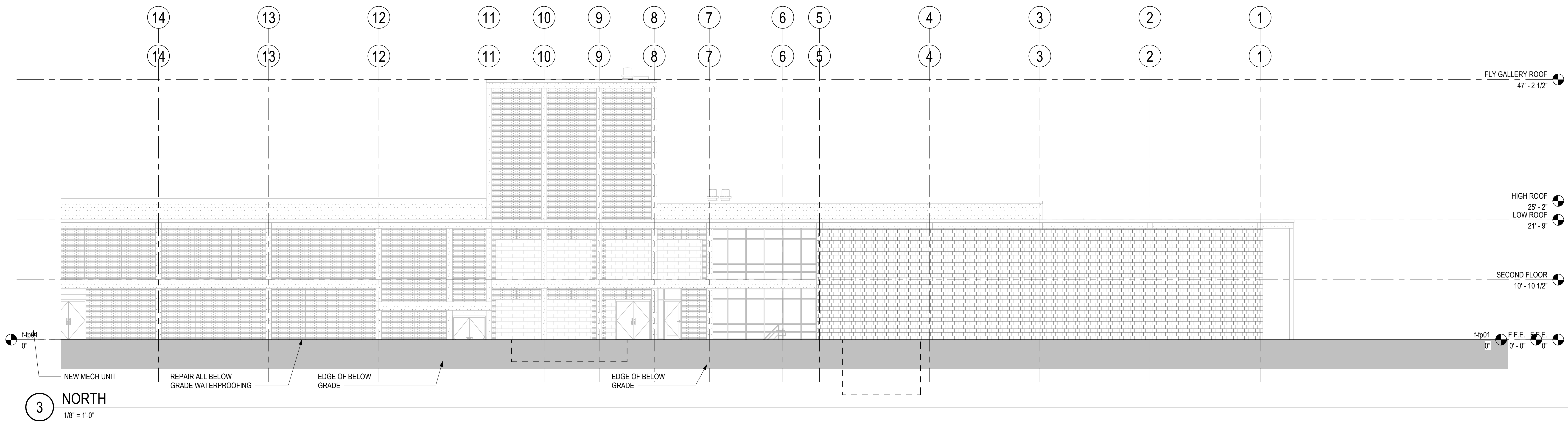
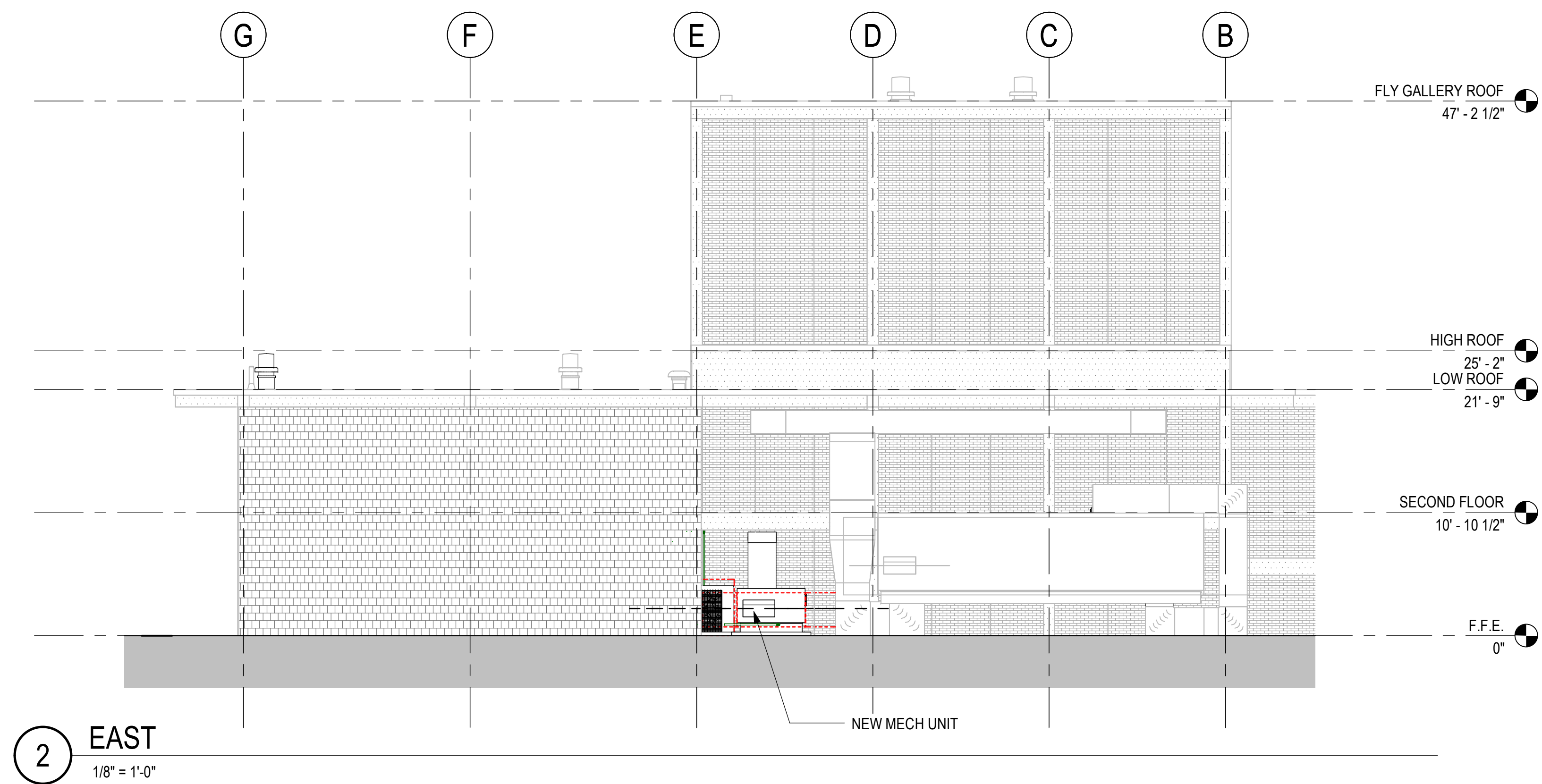
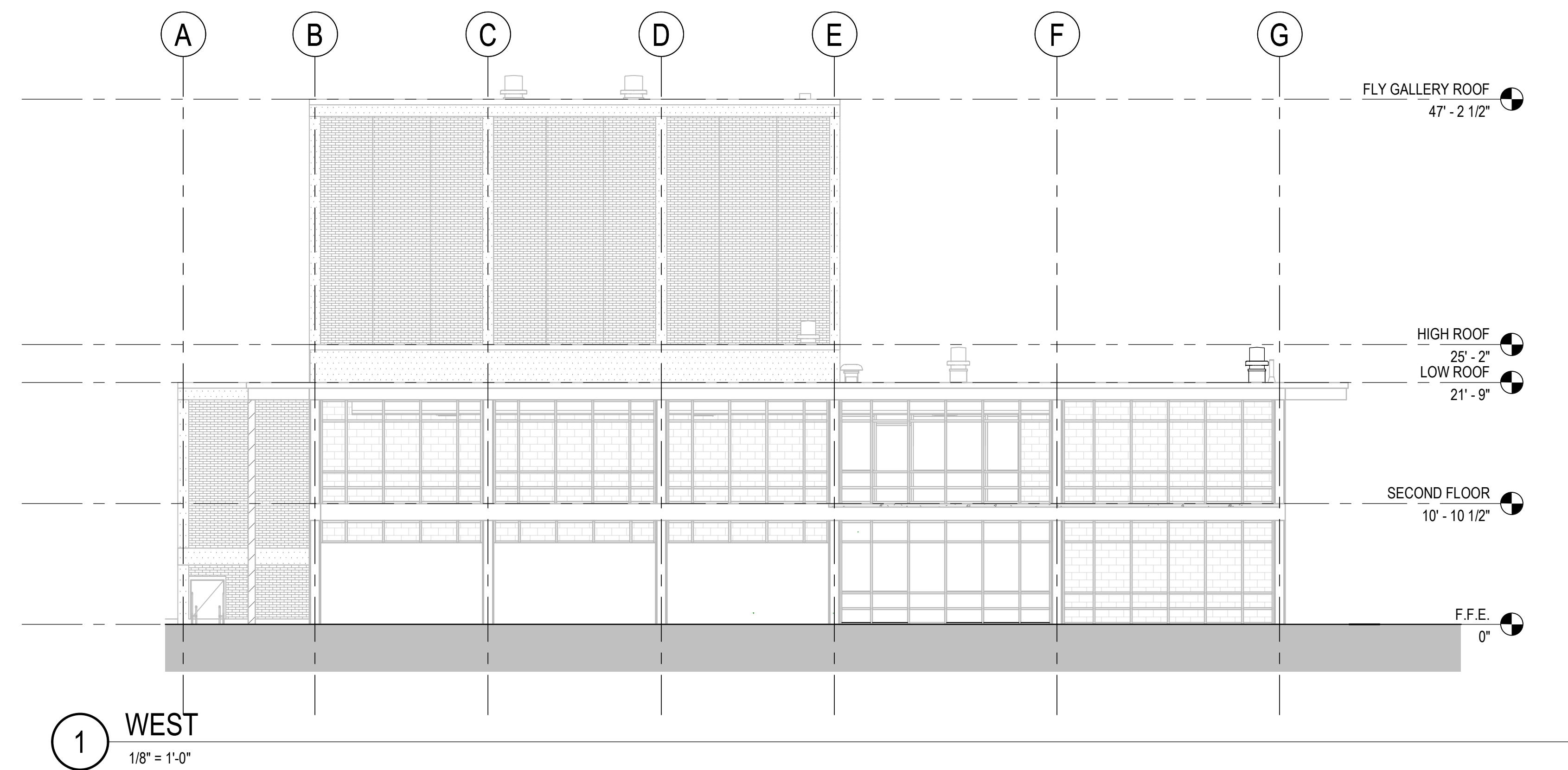
Sheet Number

A-104

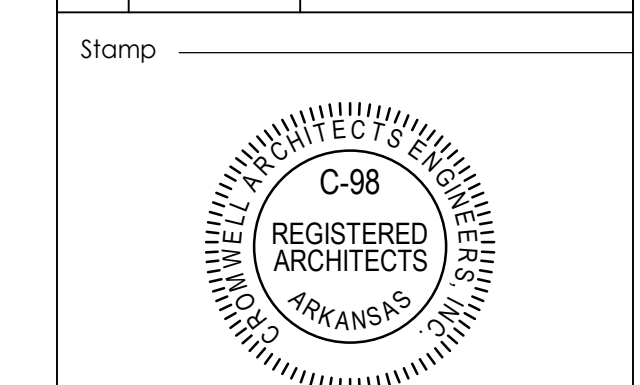


REFER TO LIFE SAFETY, MECHANICAL AND ELECTRICAL DRAWINGS
FOR ADDITIONAL INFORMATION NOT SHOWN.

GENERAL NOTE:
SEE G-003 FOR TOILET ACCESSORY SCHEDULE



Revisions		
No.	Date	Description

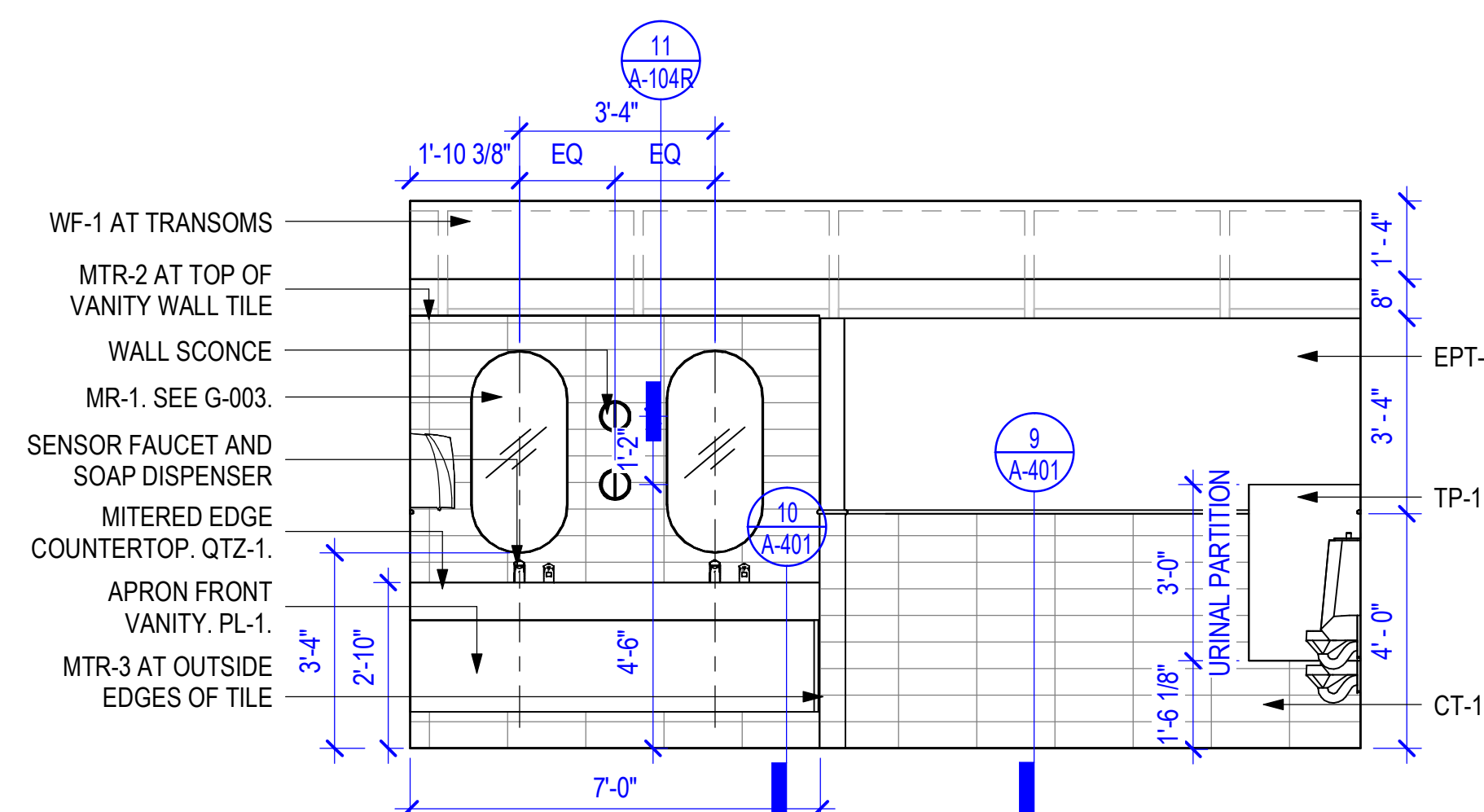


Notes
1. CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED
2. THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.
Project Number 2024-060
Issue Date 03-02-2026
Sheet Title

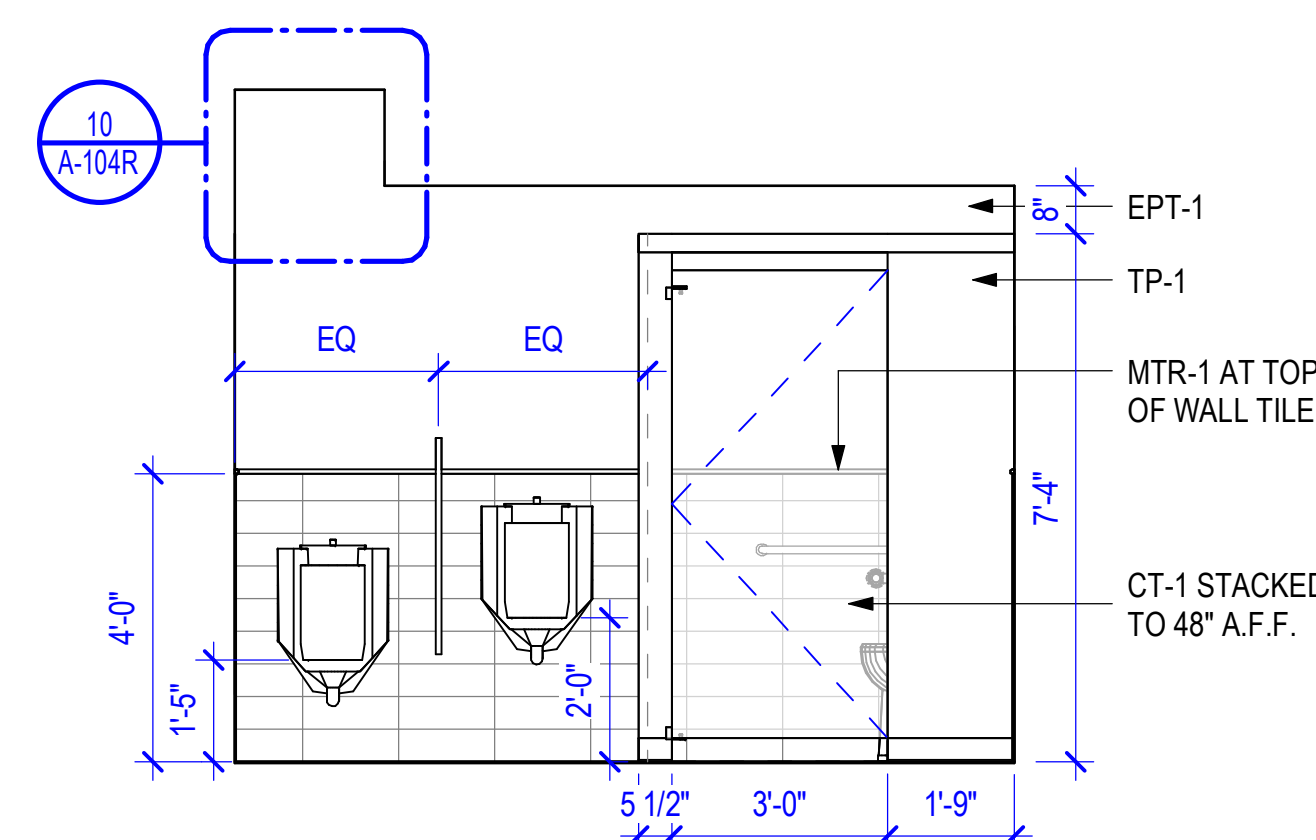
EXTERIOR ELEVATIONS

Sheet Number

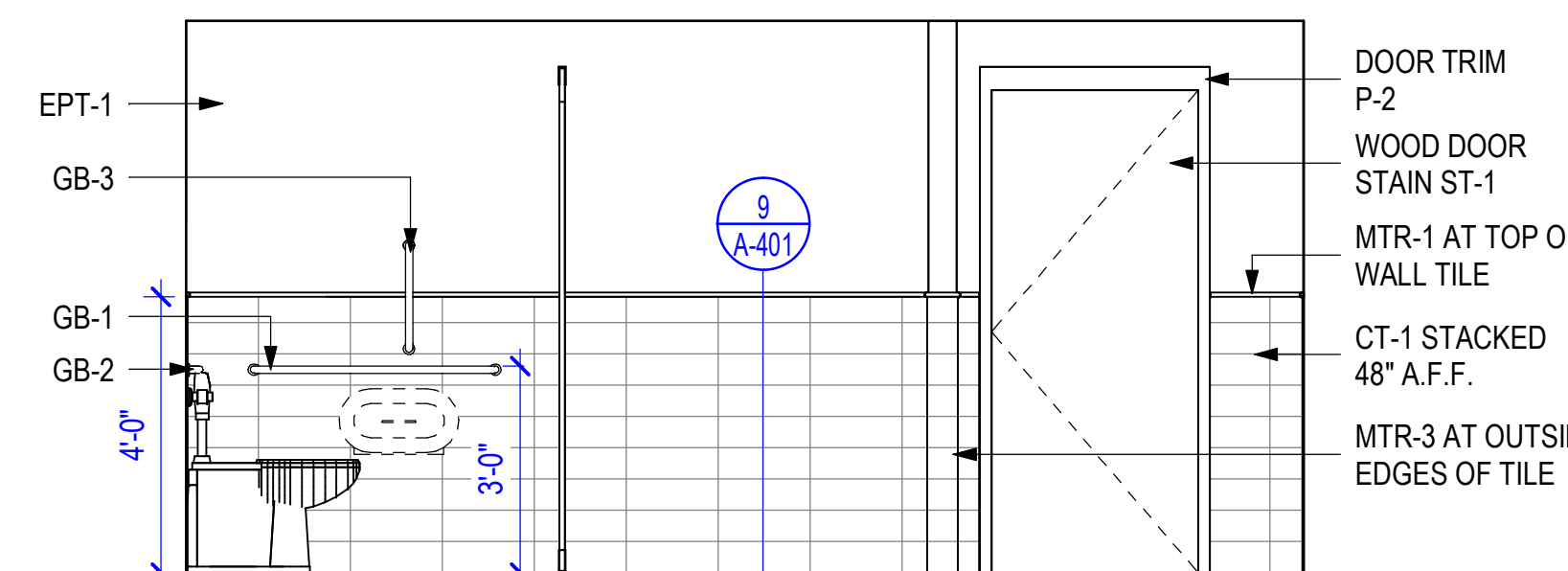
A-201



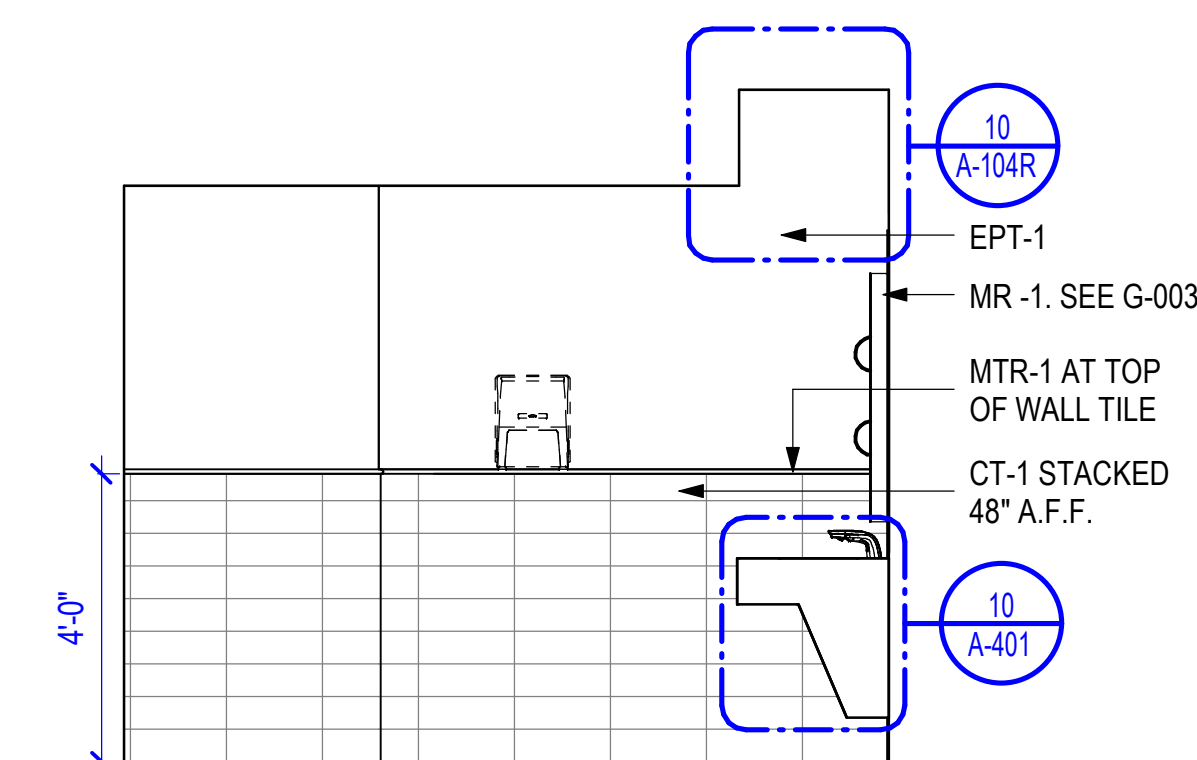
1 LOBBY MENS RESTROOM
3/8" = 1'-0"



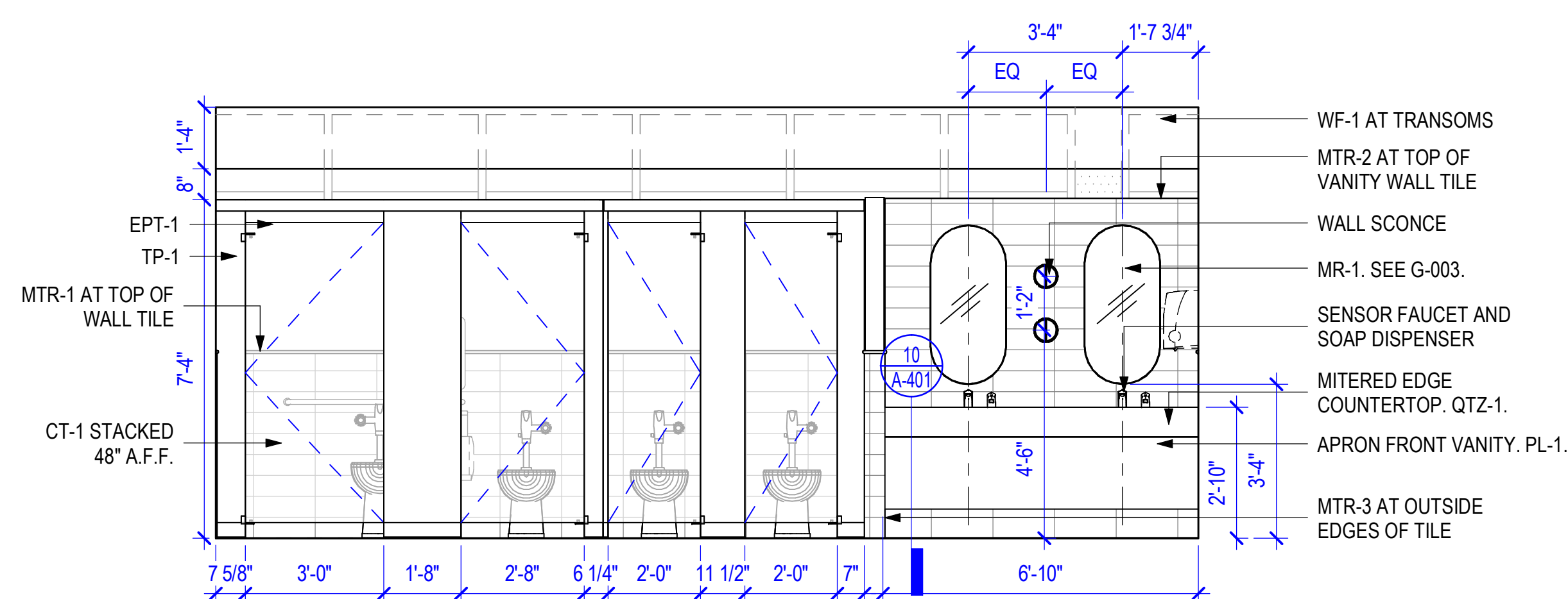
2 LOBBY MENS RESTROOM
3/8" = 1'-0"



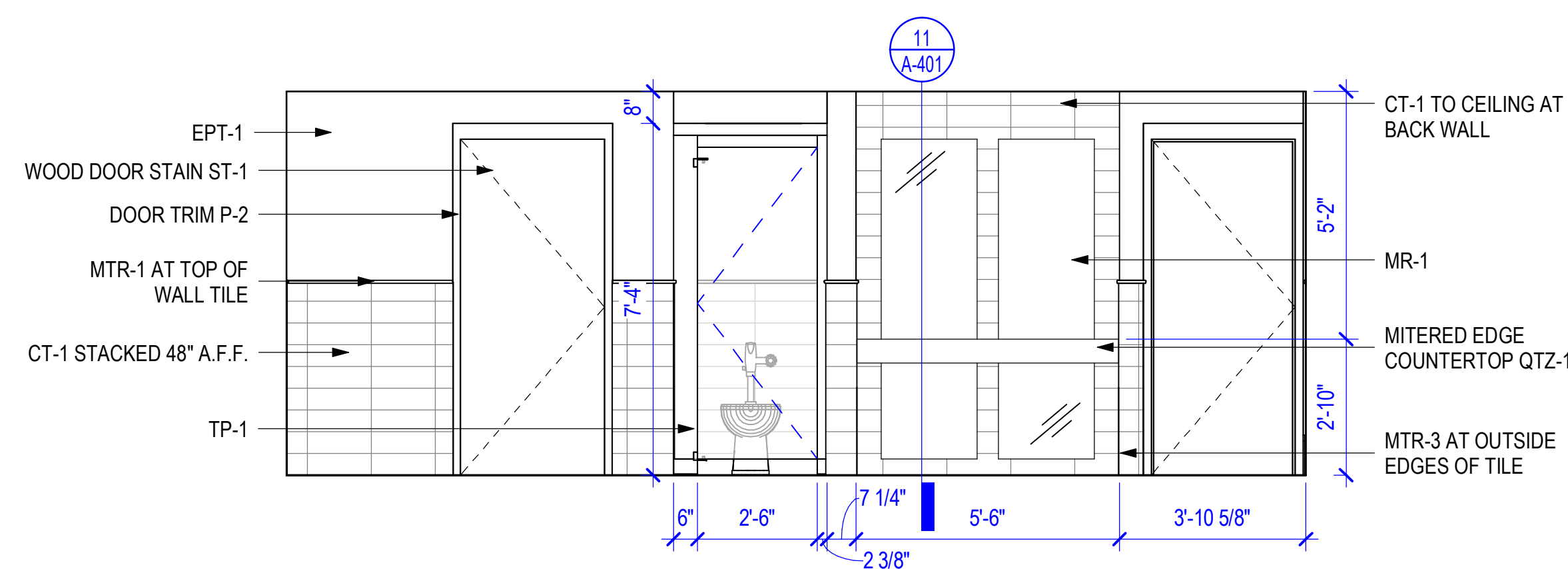
3 LOBBY MENS RESTROOM
3/8" = 1'-0"



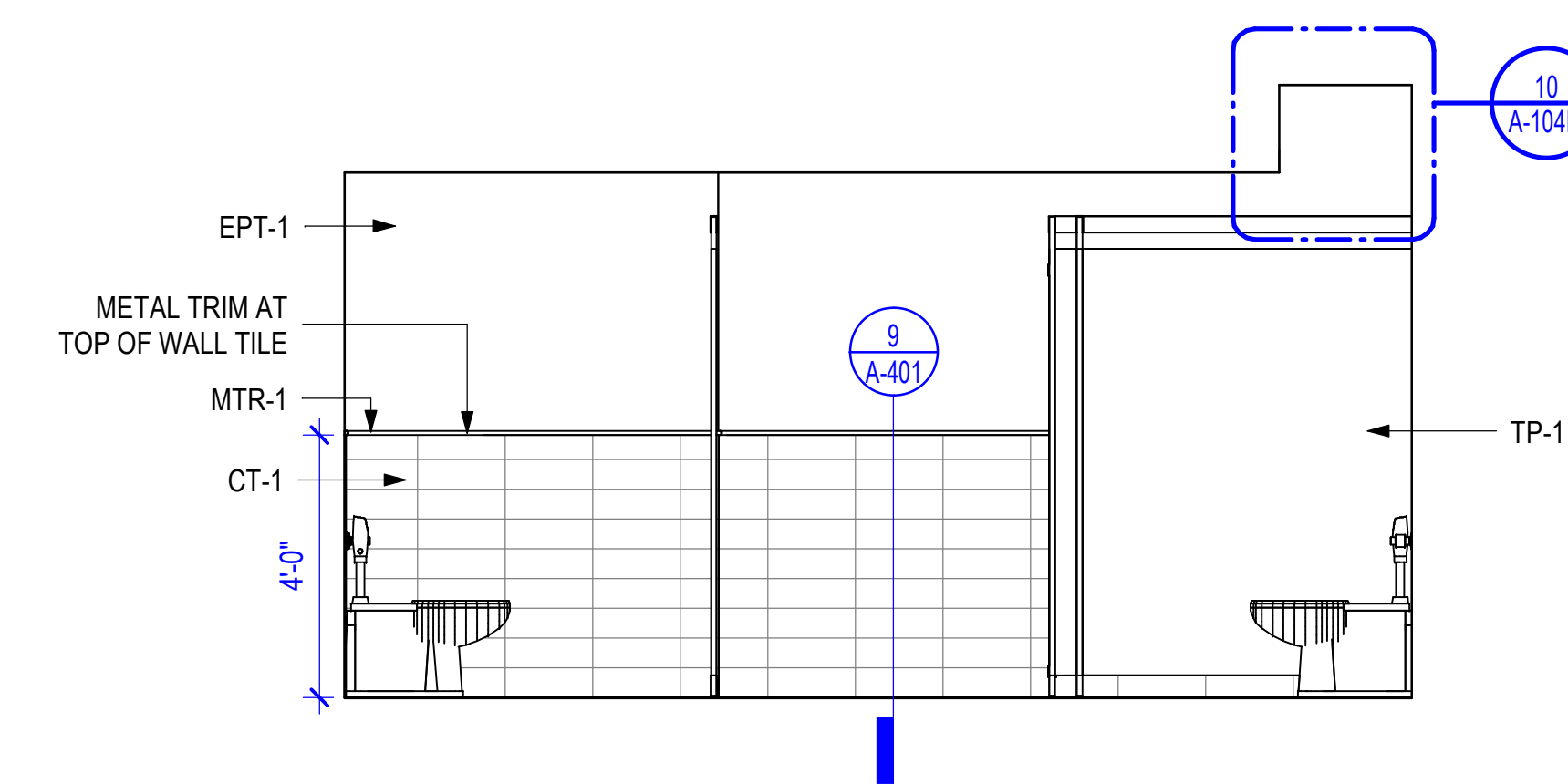
4 LOBBY MENS RESTROOM
3/8" = 1'-0"



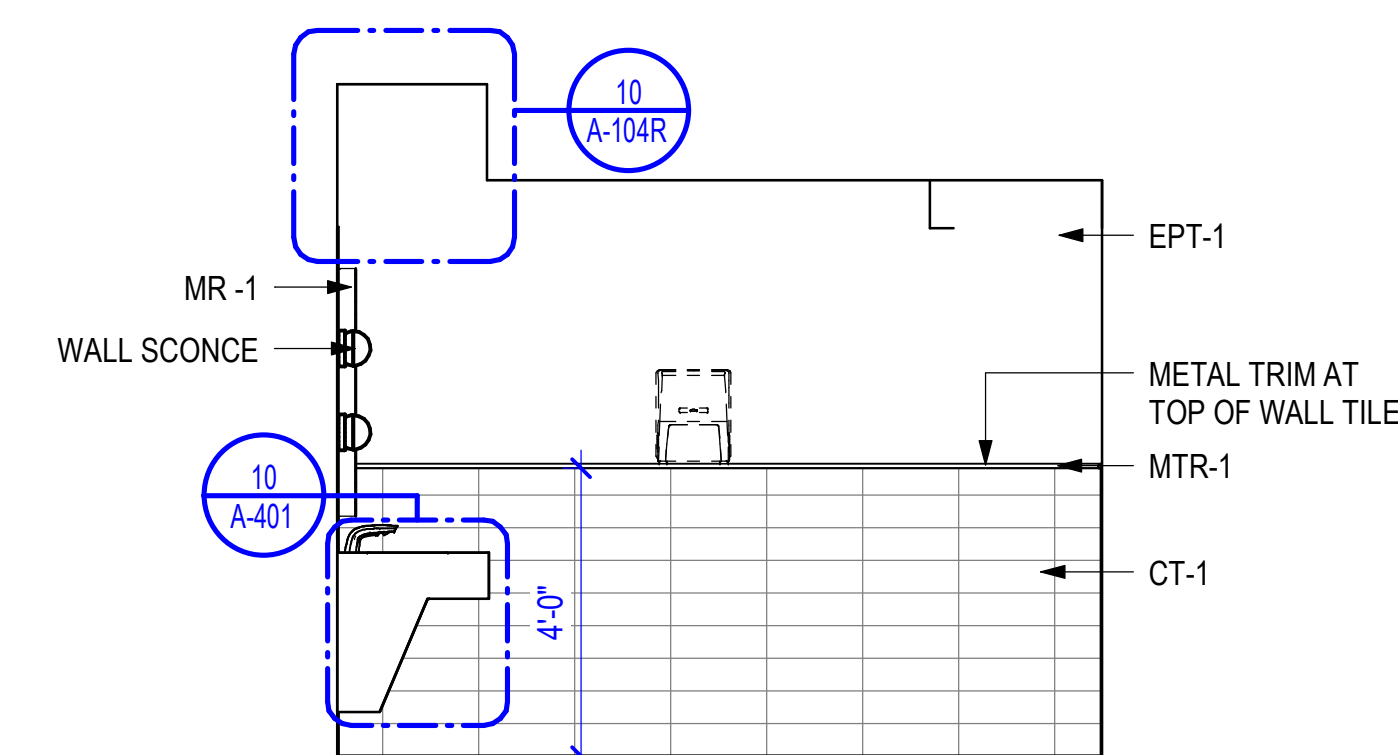
5 LOBBY WOMENS RESTROOM
3/8" = 1'-0"



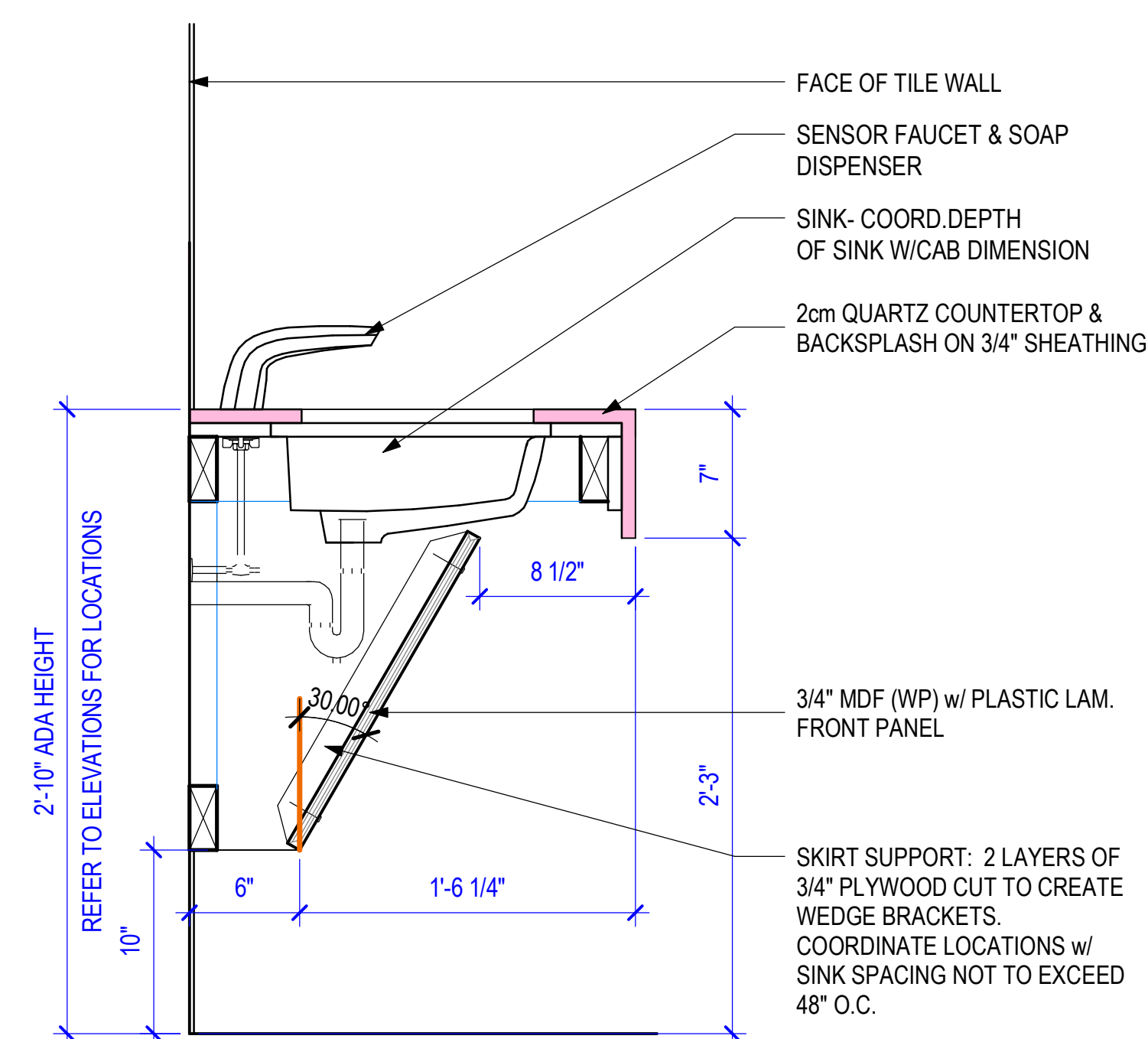
6 LOBBY WOMENS RESTROOM
3/8" = 1'-0"



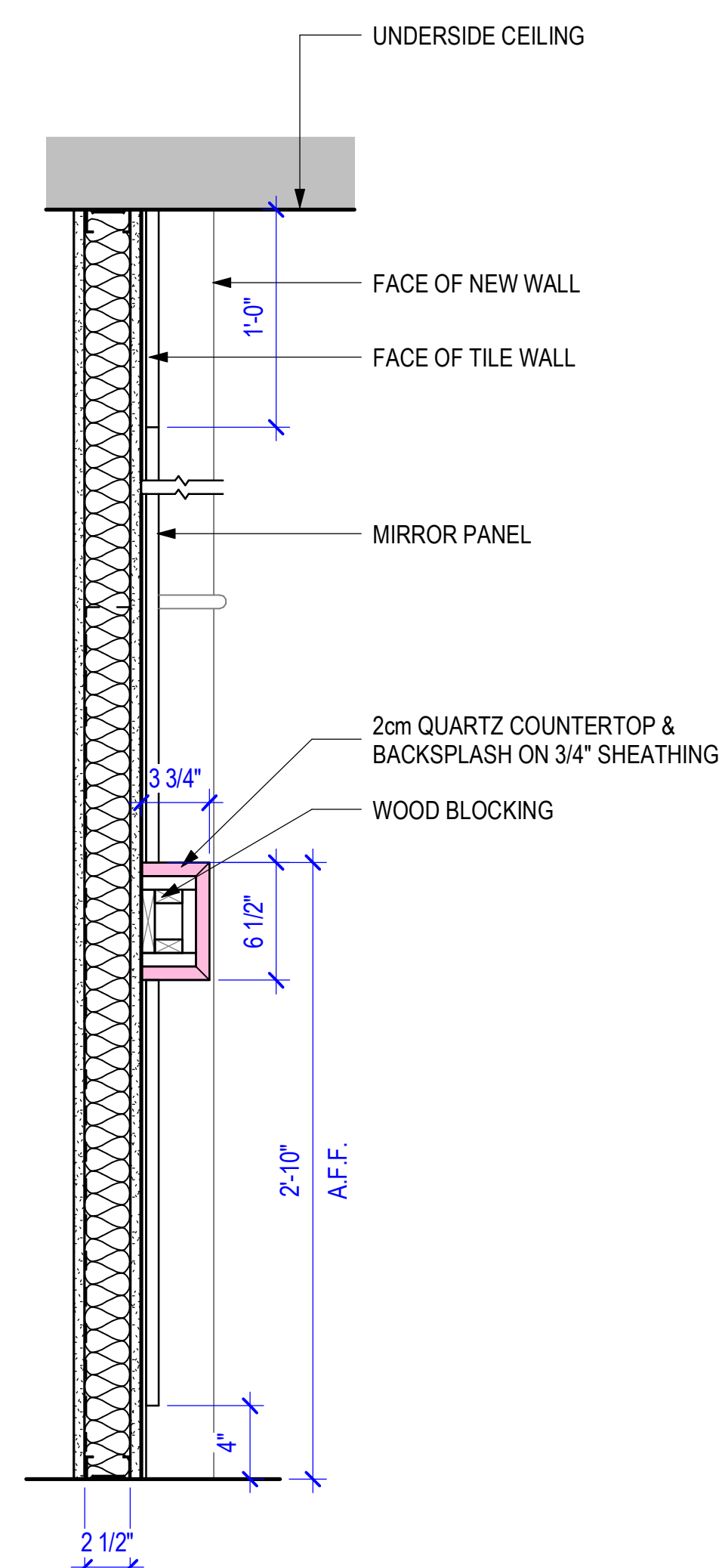
7 LOBBY WOMENS RESTROOM



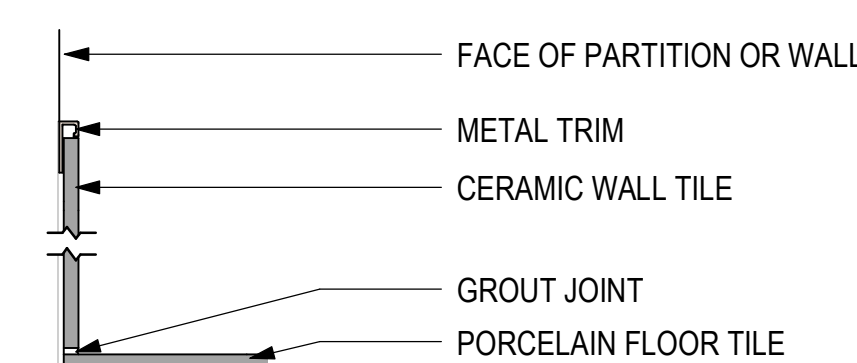
8 LOBBY WOMENS RESTROOM
3/8" = 1'-0"



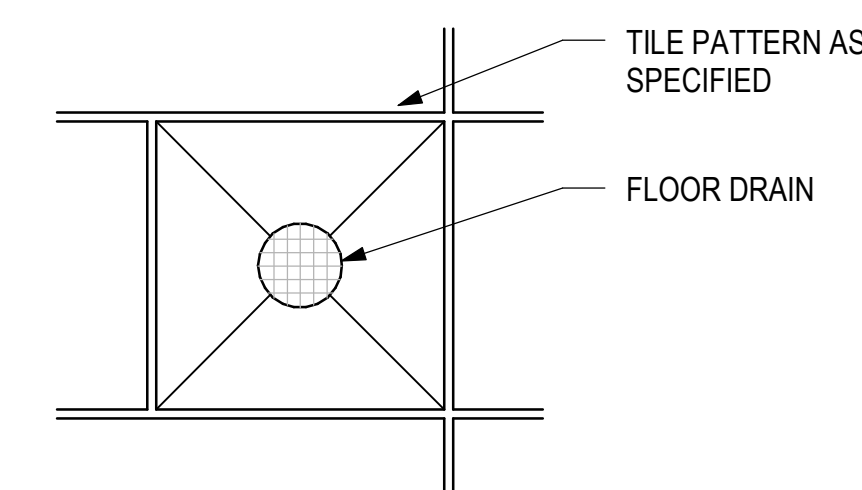
10 LAVATORY ADA, LAMINATE w/ SKIRT - MW - 1
1 1/2" = 1'-0"



11 WALL MIRROR SHELF DETAIL @ WOMENS RR
1 1/2" = 1'-0"

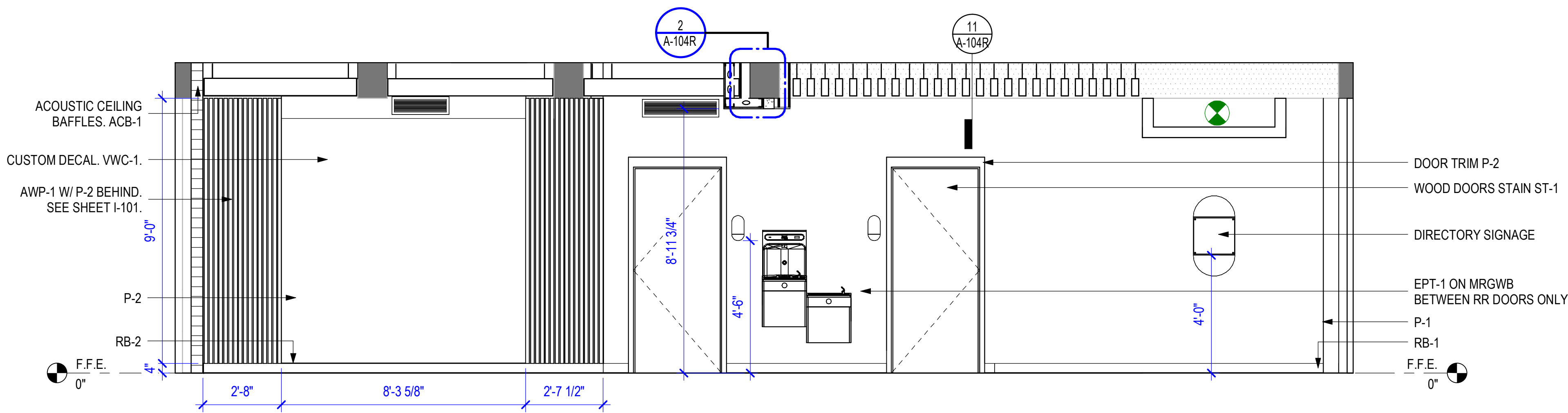


9 RESTROOM - PT FLOOR TO CT WALL DETAIL
3" = 1'-0"

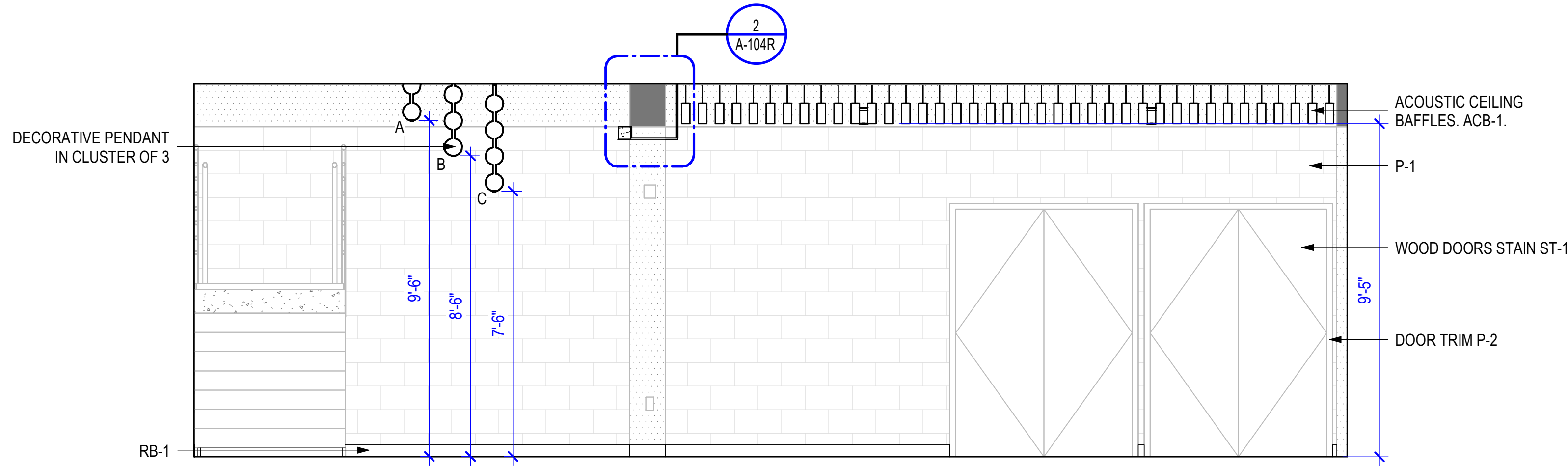


12 FLOOR DRAIN @ TILE
1 1/2" = 1'-0"

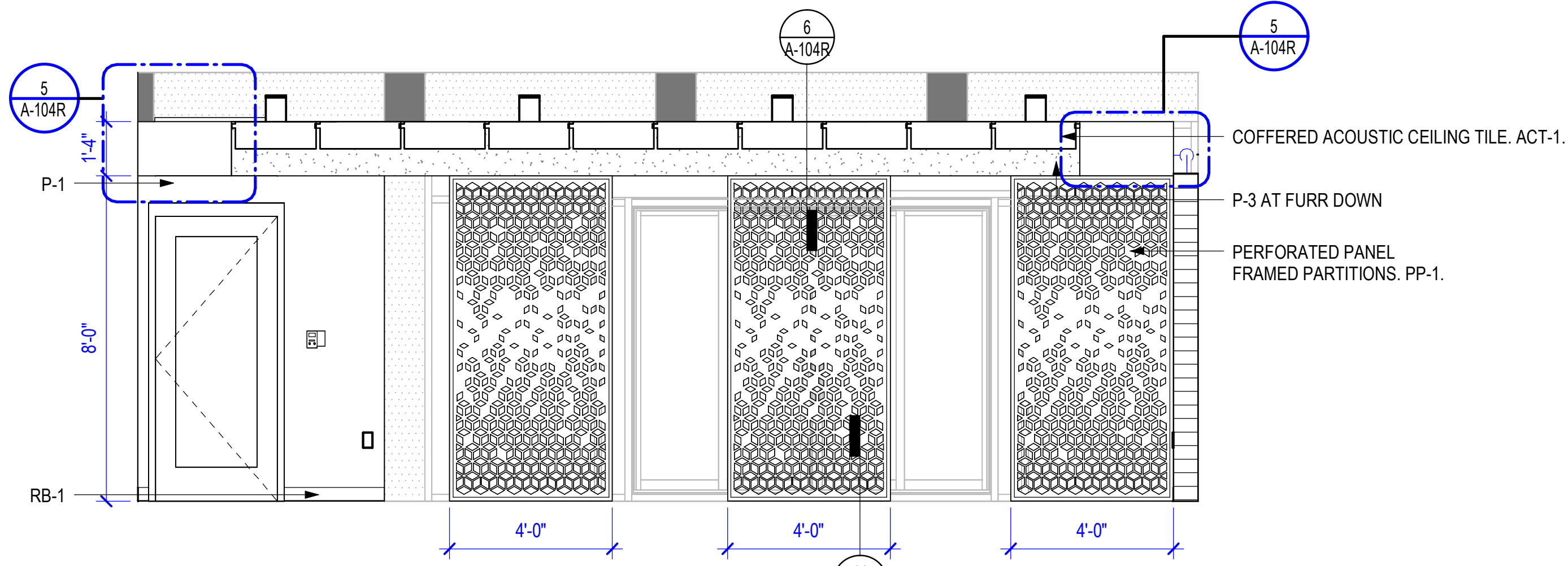
Revisions		
No.	Date	Description



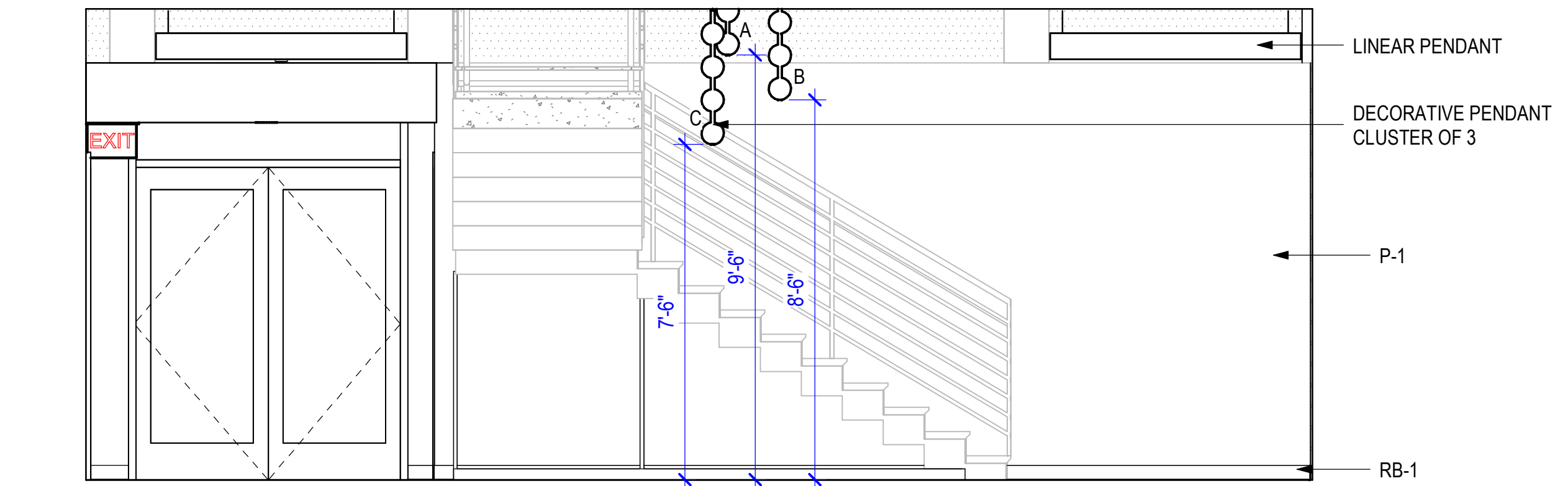
1 INTERIOR ELEVATION - LOBBY
3/8" = 1'-0"



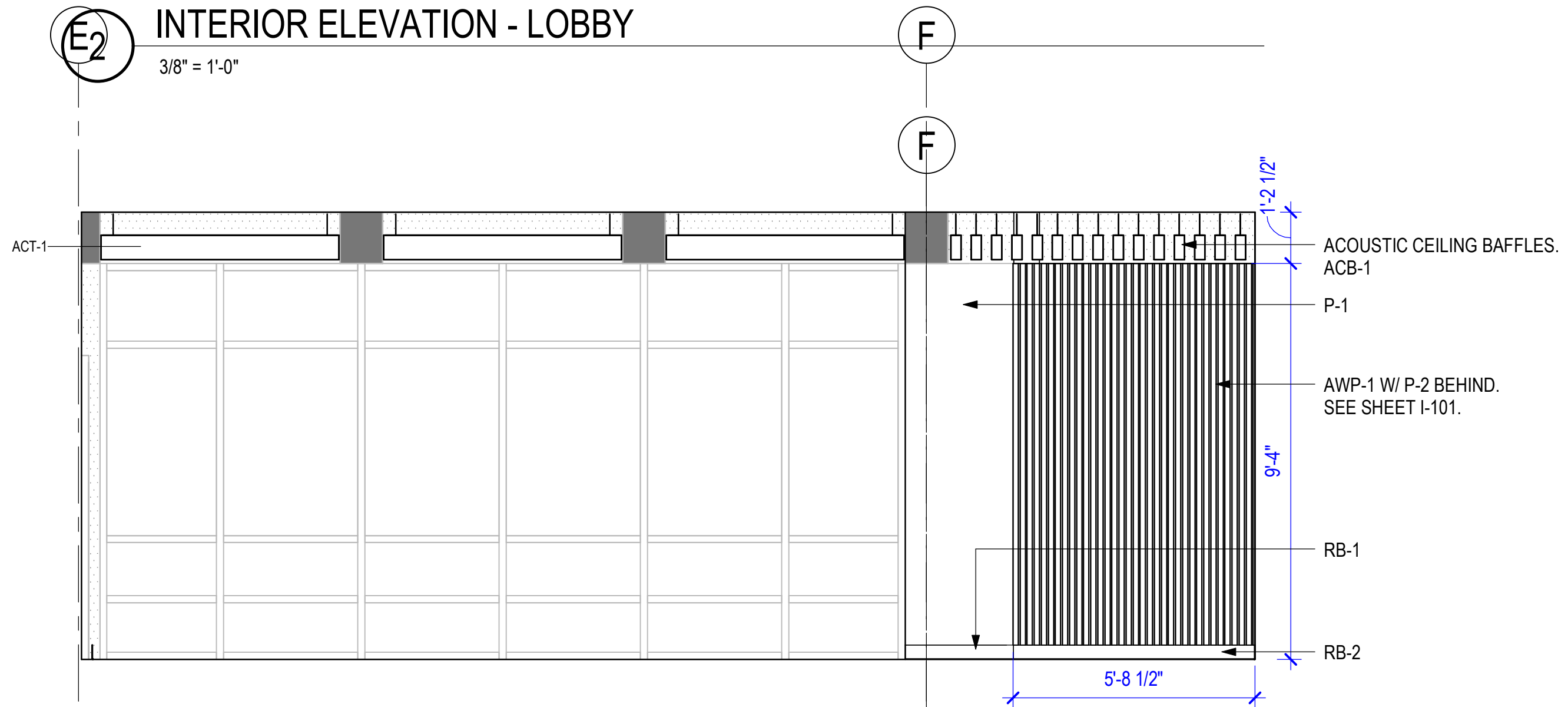
3 INTERIOR ELEVATION - LOBBY
3/8" = 1'-0"



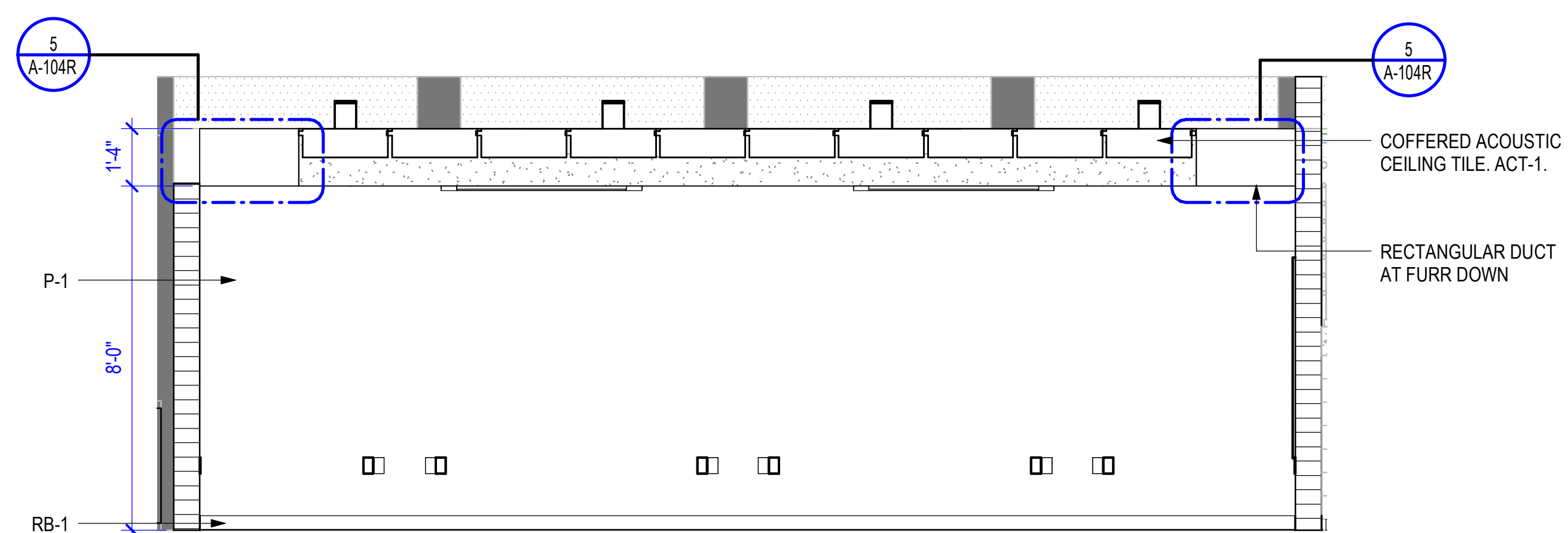
5 INTERIOR ELEVATION - COMPUTER LAB
3/8" = 1'-0"



E2 INTERIOR ELEVATION - LOBBY
3/8" = 1'-0"



4 INTERIOR ELEVATION - LOBBY
3/8" = 1'-0"



6 INTERIOR ELEVATION - COMPUTER LAB2
3/8" = 1'-0"

**PHILANDER
SMITH
UNIVERSITY**

M.L. HARRIS
AUDITORIUM
RENOVATION

ROOM FINISH SCHEDULE														
ROOM		FLOOR	BASE	NORTH WALL		SOUTH WALL		EAST WALL		WEST WALL		CEILING		REMARKS
NUMBER	NAME			MATERIAL	COLOR	MATERIAL	COLOR	MATERIAL	COLOR	MATERIAL	COLOR	MATERIAL	COLOR	
101	EXHIBIT/LOBBY	CPT-1, PT-1	RB-1	GWB	P-1	GWB, MRGWB	P-1, P-2/AWP-1, VWC-1, EPT-1	GWB/E-ALG	P-1, P-2/AWP-1	GWB	P-1	GWB/ACB	P-3, P-2/ACB-1	SEE 1/A-402
102	COMPUTER LAB	CPT-1	RB-1	GWB	P-1	GWB	P-1	GWB	P-1	GWB	P-1	GWB/ACT	P-3, ACT-2	
103	MEN	PT-1	CT-1	TBB/MRGWB	EPT-1, CT-1	TBB.MRGWB	EPT-1, CT-1, WF-1	TBB/MRGWB	EPT-1, CT-1	TBB/MRGWB	EPT-1, CT-1	MRGWB	EPT-1	
104	WOMEN	PT-1	CT-1	TBB/MRGWB	EPT-1, CT-1, CT-1	TBB.MRGWB	EPT-1, CT-1, WF-1	TBB/MRGWB	EPT-1, CT-1	TBB/MRGWB	EPT-1, CT-1	MRGWB	EPT-1	
105	JANITOR	CONC	RB-1	MRGWB	EPT-1	MRGWB	EPT-1, FRP-1	MRGWB	EPT-1, FRP-1	MRGWB	EPT-1	GWB	EPT-1	

MATERIAL LEGEND	
---	"NO" OR "NONE"
ACB	ACOUSTICAL CEILING BAFFLE
ACP	ACOUSTICAL CEILING PANEL
ACT	ACOUSTICAL CEILING TILE
AWP	ACOUSTICAL WALL PANEL
CG	CORNER GUARD
CMU	CONCRETE MASONRY UNIT
CONC	SEALED CONCRETE
CPT	CARPET
CT	CERAMIC TILE
EPT	EPOXY PAINT
FRP	FIBERGLASS REINFORCED PANEL
GWB	GYPSUM WALL BOARD
MB	MILLWORK BASE
MGRWB	MOISTURE RESISTANT GYPSUM WALL BOARD
MTR	METAL TRIM
P	PAINT
PL	PLASTIC LAMINATE
PP	PERFORATED METAL PANEL
PT	PORCELAIN TILE
QTZ	QUARTZ MATERIAL
RB	RESILIENT BASE
ST	STAINED WOOD
TBB	TILE BACKER BOARD
TP	TOILET PARTITIONS
VWC	VINYL WALL COVERING
WF	WINDOW FILM
WG	WALL GUARD

GENERAL NOTES:

1. TOLT PARTITION WILL BE FLOOR MOUNTED OVERHEAD BRACED.
2. TINTED WINDOW FILM ON RESTROOM TRANSOM WINDOWS. COLOR AND PATTERN TO BE SELECTED FROM MANUFACTURER'S STANDARD OFFERING.
3. GROUT TO BE AS FOLLOWS:
 - A. HIGH PERFORMANCE CEMENTITIOUS GROUT TO BE USED WITH ALL WALL TILES. EPOXY GROUT TO BE USED WITH ALL FLOOR TILES. COLORS TO BE SELECTED FROM MANUFACTURER'S STANDARD OFFERING.
4. HOLLOW METAL DOORS AND FRAMES TO BE P-2.
5. NEW AND EXISTING WOOD DOORS TO BE SITE FINISHED ST-1.
6. WINDOW SILLS TO BE P-1.
7. JANITORS CLOSETS TO RECEIVE 4" HIGH FRP WAINSCOT AT SINK AREA ONLY. FRP TO START AT TOP SPECIFIED FINISH LINE AND EXTEND UP TO CEILING UNDER W/DOOR.
8. EXISTING STAIR HANDRAILS AND STRINGERS TO BE PAINTED P-1. STAIR LANDINGS IN STAIRWELLS TO REMAIN THE SAME.
9. COLUMNS TO MATCH PAINT FINISH ON ADJACENT WALLS. ALL EXPOSED COLUMNS TO BE PAINTED P-1.
10. FLOORING TRANSITIONS TO BE AS FOLLOWS:
 - A. CPT TO PT-MTR-5
 - B. SLUTLER QUADRO EDGE PROFILE TRIM TO BE INSTALLED BETWEEN CT-1 AND EPT-1. 10'-0" LENGTHS ARE TO BE USED. COLOR: MTR-1.
11. SEE DETAIL 9/4-401 FOR INSTALLATION OF FLOOR TO WALL TILE TRANSITION AND DETAIL 12/2A-401 FOR TILE INSTALLATION AT FLOOR DRAINS.
12. SEE ELEVATIONS ON SHEET A-401 FOR RESTROOM TILE PATTERNS.
13. PT-1 TO BE STACKED INSTALL- RUN NORTH TO SOUTH AT ENTRY AND EAST TO WEST AT MENS
14. CPT TO RECEIVE MANUFACTURER'S RECOMMENDED ADHESIVES, PENDING CONCRETE MOISTURE TESTING.
16. METAL TRIM AT TOP OF WALL TILE.

MILLWORK NOTES:

1. RESTROOM VANITIES TO RECEIVE PL-1 APRON FRONT WITH 2cm QTZ-1 COUNTERTOP AND WATERFALL FRONT.

FINISHES LEGEND

FLOORS	
PT-1	DALTILE, STYLE: OUTLANDER MEDIO DESIGN, COLOR: MARINE, 12" x 24", STACKED INSTALLATION, GROUT: LATICRETE 09 FROSTY
CPT-1	TARKETT, STYLE: 2NDPOWER II, COLOR: PASTURE, 24" x 24", MONOLITHIC INSTALLATION

BASE

RB-1	TARKETT, MW REVEAL 4 1/4", COLOR: VM4 GREEN SMOKE, COILED PRODUCT
RB-2	TARKETT, MW REVEAL 4 1/4", COLOR: 63 BURNT UMBER B, COILED PRODUCT

WALLS

CT-1	DALTILE, STYLE: MYTHOLOGY, 4" x 12" BRICK, COLOR: CHRONOS GLOSSY, HORIZONTAL STACK INSTALL, GROUT: LATITECRE 09 FROSTY
P-1	SHERWIN-WILLIAMS, PEARLY WHITE, SW7009, EGGSHELL
P-2	SHERWIN-WILLIAMS, IRON ORE, SW7069, EGGSHELL.H.M. FRAME COLOR SEMI-GLOSS
EPT-1	SHERWIN-WILLIAMS, PEARLY WHITE, SW7009, EGGSHELL
AWP-1	MPS ACOUSTICS, ARETE FELT WALL PANEL, ITALIAN WALNUT
VWC-1	TAKEFORM, CUSTOM VINYL DECAL

CEILINGS

P-3	SHERWIN-WILLIAMS, PEARLY WHITE, SW7009, FLAT
ACB-1	MPS ACOUSTICS, JOIST FELT CEILING BAFFLE, ITALIAN WALNUT
ACT-1	MPS ACOUSTICS, FLIP FELT CEILING GRID TILE, ITALIAN WALNUT

MILLWORK

QTZ-1	WILSONART, LORRAINE Q1012, 2cm, FINISH: POLISHED
PL-1	WILSONART, PREMIUM LAMINATE COLOR: CONTINENTAL WALNUT 8232K-05, FINISH: TIMBERGRAIN

MISCELLANEOUS

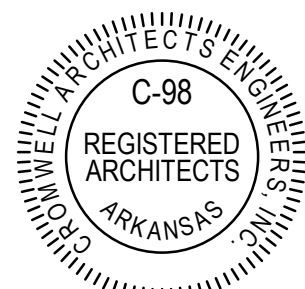
MTR-1	SCHLUTER, QUADEC, ALUMINUM, COLOR: TSB - TEXTURED COLOR-COATED BEIGE
MTR-2	SCHLUTER, QUADEC, OUT CORNER 90, ALUMINUM, COLOR: TEXTURED COLOR-COATED BEIGE
MTR-3	SCHLUTER, JOLLY, ALUMINUM, COLOR: TEXTURED COLOR-COATED BEIGE
MTR-4	SCHLUTER, RENO-RAMP-I-K, ANODIZED ALUMINUM, FINISH: SATIN
MTR-5	SCHLUTER, SCHIENE, ANODIZED ALUMINUM, COLOR: GRAPHITE
TP-1	ASI, PHENOLIC MAXIMUM PRIVACY PARTITIONS, COLOR: NEO WALNUT 7954
PP-1	MOZDESIGNS, ARTESSA DULO DIVIDER, LASERCUT CARTE 4' x 8' PANEL, COLOR: WHITE SAND
WF-1	ULINE, PRIVACY WINDOW FILM, PATTERN: FROSTED WHITE
FRP-1	VALTO, GLASBORD EMBOSSED, FINISH: WHITE 85
ST-1	MINWAX, CLASSIC GRAY MW271, FINISH: SEMI-TRANSPARENT STAIN
CG-1	TARKETT, 3/4" CORNER GUARD VBG-08-B48, COLOR: ICICLE W

Design Phase _____

**CONSTRUCTION
DOCUMENTS**

[illegible]

Stamp _____



Notes _____

1. CROMWELL ARCHITECTS ENGINEERS, INC.
ALL RIGHTS RESERVED
2. THIS SHEET DESIGNED FOR COLOR PRINTING.
CRITICAL INFORMATION MAY BE LOST WITH
BLACK AND WHITE PRINTING.

Project Number _____

Issue Date _____

Sheet Title _____

ROOM FINISH NOTES AND LEGENDS

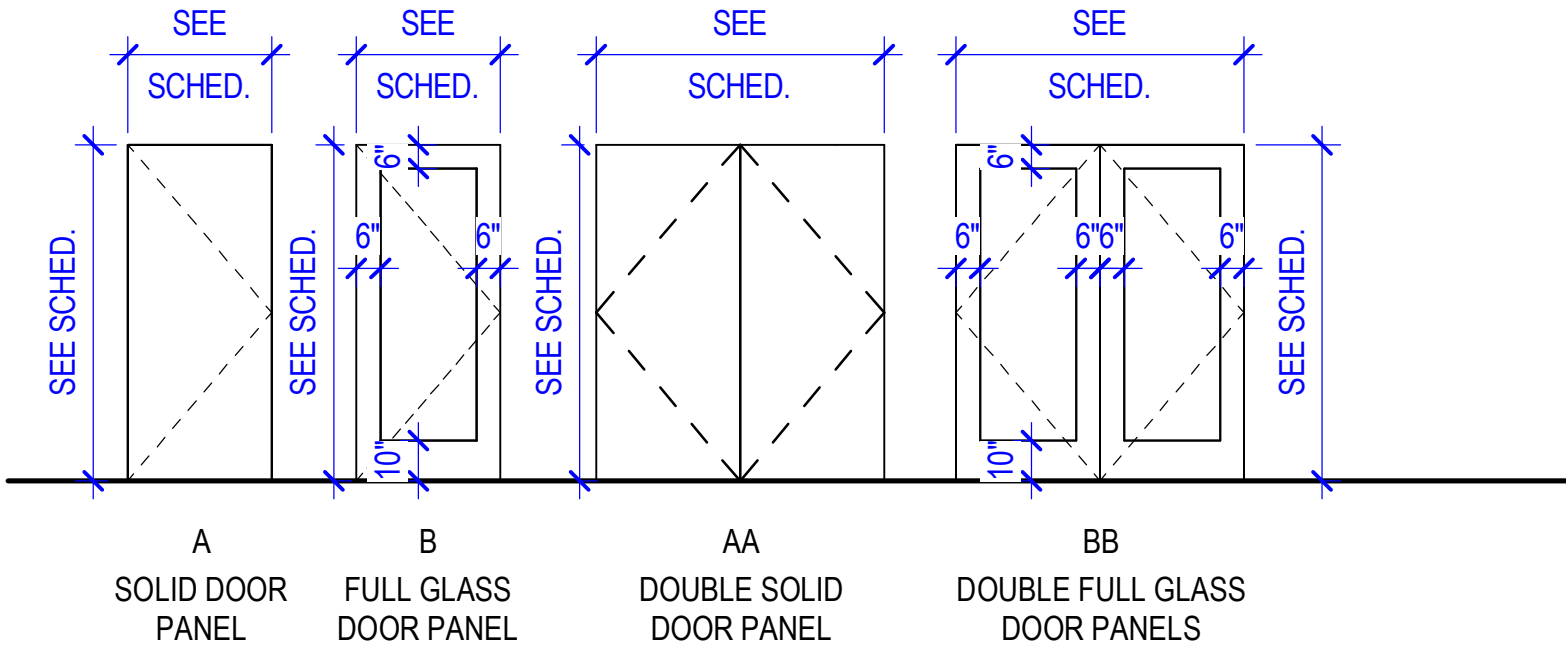
Sheet Number _____

A-601

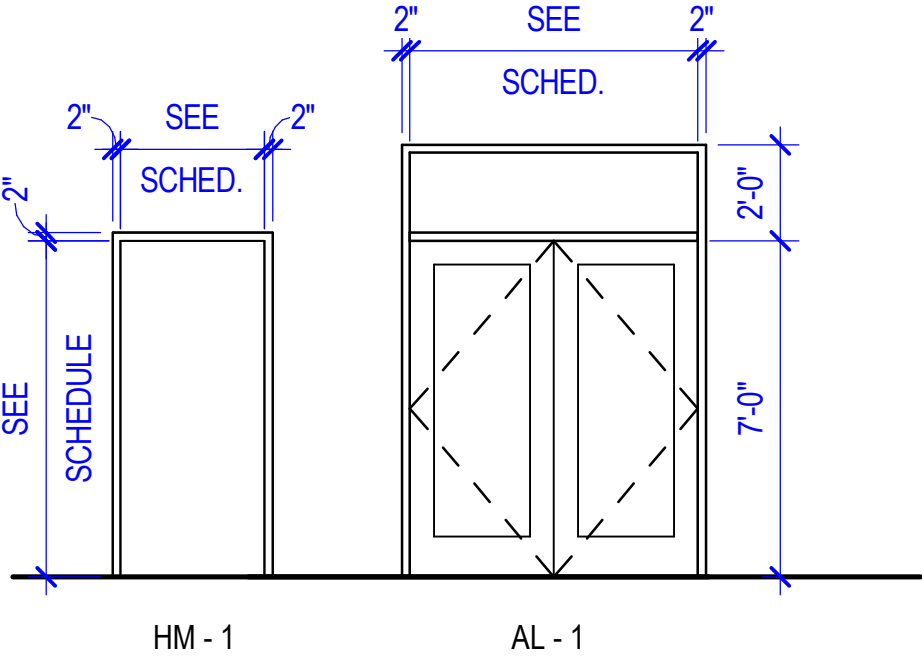
MATERIALS	
AL	ALUMINUM
ALG	ALUMINUM AND GLASS STOREFRONT DOOR
CT	CLEAR TEMPERED GLASS
CW	CLEAR WIRE GLASS (VERTICAL AND HORIZONTAL WIRE PATTERN - NOT DIAGONAL)
GHM	GALVANIZED HOLLOW METAL
HM	HOLLOW METAL
IHM	INSULATED HOLLOW METAL
SCW	SOLID CORE WOOD
ST	STEEL
W	WOOD
MATERIALS	
S	STAIN
P	PAINT
CA	CLEAR ANODIZED

DOOR SCHEDULE																	
DOOR NO.	TYPE	DOOR					FRAME							FIRE RATING IN MINUTES	HARDWARE SET NO.	DOOR NO.	COMMENTS
		SIZE			MATERIAL	LOUVER		FRAME TYPE	FRAME MATERIAL	FRAME FINISH	DETAILS						
		W	HT	THK		W	H				HEAD	JAMB	THRSHLD.				
101	BB	5' - 11"	7' - 0"	1 3/4"	ALUMINUM			AL-1	AL	ALUMINUM	8/A-104	9/A-104/ 10/A-104	7/A-104		E714A	101	
102	B	3' - 0"	7' - 0"	1 3/4"	WOOD			HM-1	HM	PAINTED	2/A-104	3/A-104	6/A-104		207A	102	
103	A	3' - 0"	7' - 0"	1 3/4"	WOOD			HM-1	HM	PAINTED	4/A-104	4/A-104	6/A-104		801	103	
104	A	3' - 0"	7' - 0"	1 3/4"	WOOD			HM-1	HM	PAINTED	4/A-104	4/A-104	6/A-104		807	104	
105	A	3' - 0"	7' - 0"	1 3/4"	WOOD			HM-1	HM	PAINTED	2/A-104	3/A-104	6/A-104		201	105	
106A	AA	5' - 0"	7' - 0"											E800CWT	106A	EXISTING DOOR - REPLACE HARDWARE	
106B	AA	5' - 0"	7' - 0"											E800CWT	106B	EXISTING DOOR - REPLACE HARDWARE	

DOOR TYPES LEGEND



FRAME TYPES LEGEND



PHILANDER
SMITH
UNIVERSITY

M.L. HARRIS
AUDITORIUM
RENOVATION

Design Phase

CONSTRUCTION
DOCUMENTS

Revisions

No.	Date	Description

Stamp



Notes

1. CROMWELL ARCHITECTS ENGINEERS, INC.
ALL RIGHTS RESERVED
2. THIS SHEET DESIGNED FOR COLOR PRINTING.
CRITICAL INFORMATION MAY BE LOST WITH
BLACK AND WHITE PRINTING.

Project Number

2024-060

Issue Date

03-02-2026

Sheet Title

DOOR SCHEDULE

Sheet Number

A-620

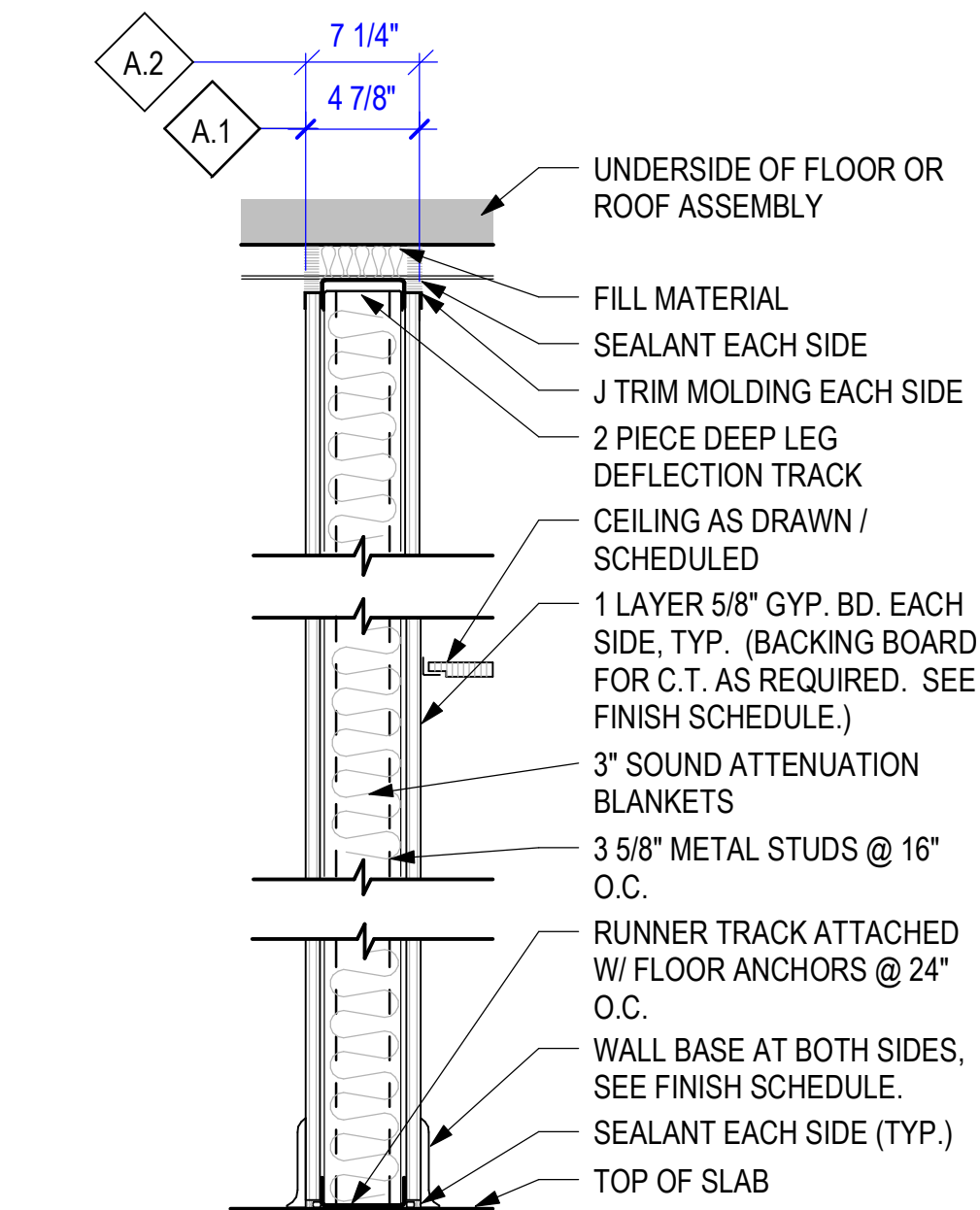


PHILANDER
SMITH
UNIVERSITY

M.L. HARRIS
AUDITORIUM
RENOVATION

PARTITION SCHEDULE NOTES:

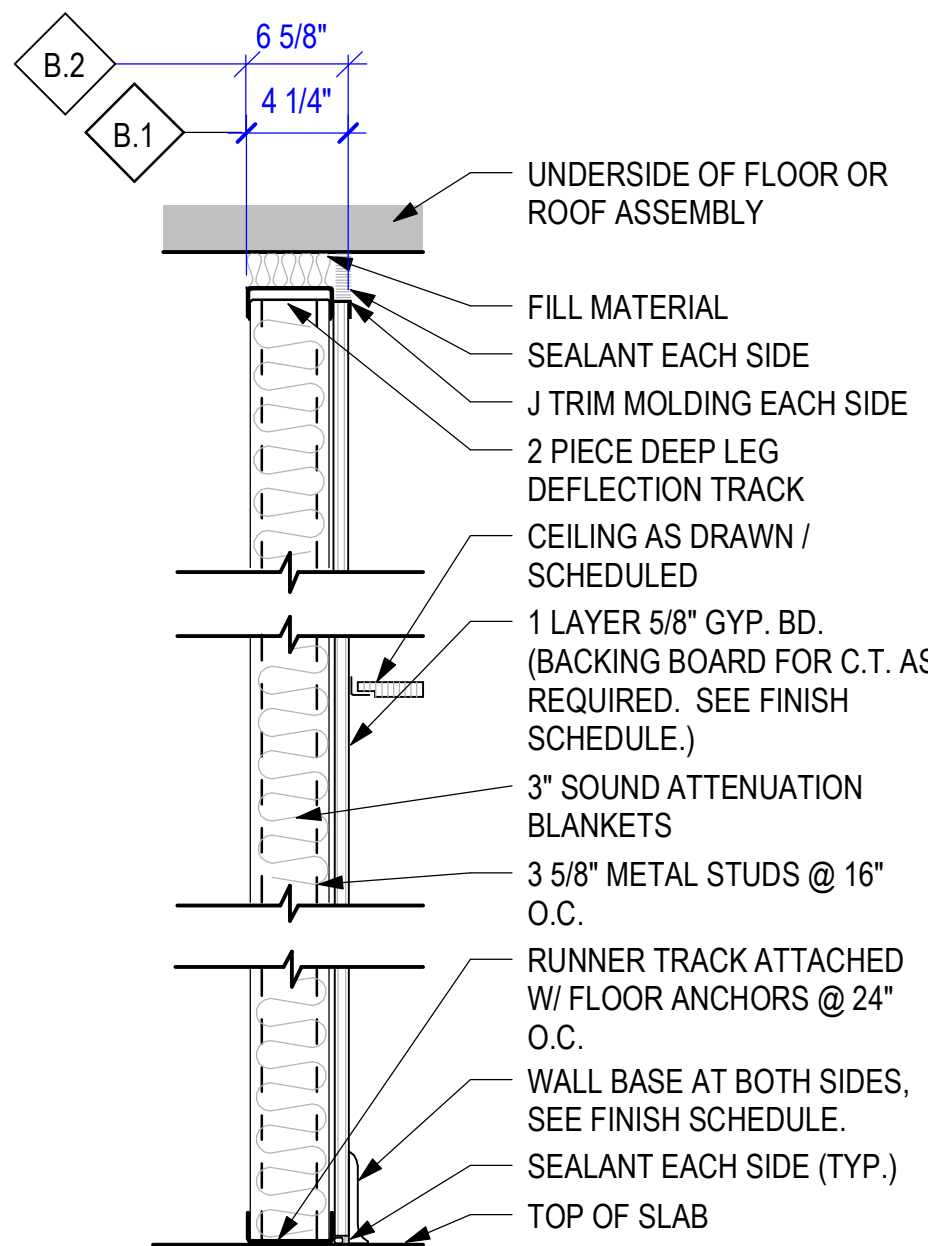
1. AT STUD PARTITIONS, PROVIDE APPROPRIATE SIZED FRAMING AND HORIZONTAL / DIAGONAL BRACING, AS REQUIRED PER MANUFACTURER'S SPECIFICATIONS.
2. ALL PENETRATION IN FIRE RATED PARTITIONS AND CEILINGS SHALL BE FIRE STOPPED TO MATCH WALL RATING. RATINGS SHALL BE AS PER CODE REQUIREMENTS.
3. MAINTAIN INTEGRITY OF ALL RATED PARTITIONS AS REQRED AT ELECTRICAL CONDUITS, J-BOXES, PANELS, PLUMBING & FIRE EXTINGUISHERS.
4. PROVIDE HORIZONTAL STUD BRACING AT CHASE WALLS AS PER MANUFACTURER'S SPECIFICATIONS
5. PROVIDE CONTINUOUS BLOCKING FOR ALL EQUIPMENT RACKS, LIGHTING FIXTURES, CASEWORK, COUNTERS, SHELVES, ACCESSORIES, AND ALL EQUIPMENT OR ITEMS SUPPLIED BY THE CONTRACTOR OR BY THE OWNER, AS REQUIRED.
6. REFER TO FINISH SCHEDULE FOR FINISHES (FINISHES ARE NOT SHOWN ON WALL TYPES.)
7. ALL DIMENSIONS ARE TO THE FACE OF THE STUD UNLESS OTHERWISE SHOWN.
8. ANY DISCREPANCIES IN THE DIMENSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO CONSTRUCTION.



NON-RATED
ACOUSTICAL PARTITION

A.1 > AS SHOWN ON PLANS

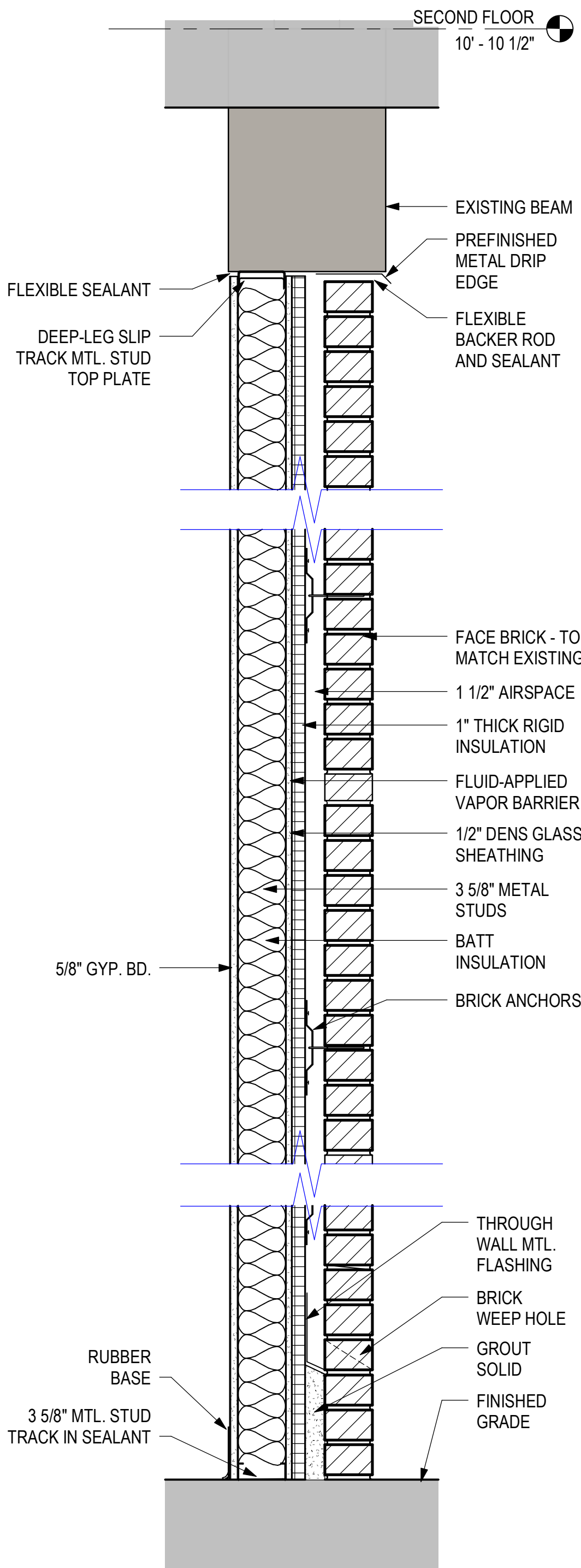
A.2 > AS SHOWN ON PLANS



NON-RATED
ACOUSTICAL PARTITION

B.1 > AS SHOWN ON PLANS

B.2 > AS SHOWN ON PLANS



1 WALL SECTION AT ENTRANCE
1 1/2" = 1'-0"

CONSTRUCTION
DOCUMENTS

Revisions		
No.	Date	Description

Stamp

C-98
REGISTERED
ARCHITECTS
ARKANSAS

03-02-2026

Notes

1. CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED

2. THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.

Project Number 2024-060

Issue Date 03-02-2026

Sheet Title

PARTITION TYPES

Sheet Number

A-801

M.L. HARRIS
AUDITORIUM
RENOVATION

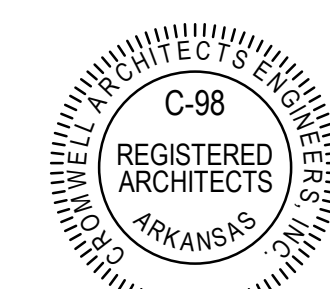
Design Phase

**CONSTRUCTION
DOCUMENTS**

Revisions

[illegible]

Stamp



03-02-2026

1. CROMWELL ARCHITECTS ENGINEERS, INC.
ALL RIGHTS RESERVED
2. THIS SHEET DESIGNED FOR COLOR PRINTING.
CRITICAL INFORMATION MAY BE LOST WITH
BLACK AND WHITE PRINTING.

Project Number

2024-060

Issue Date

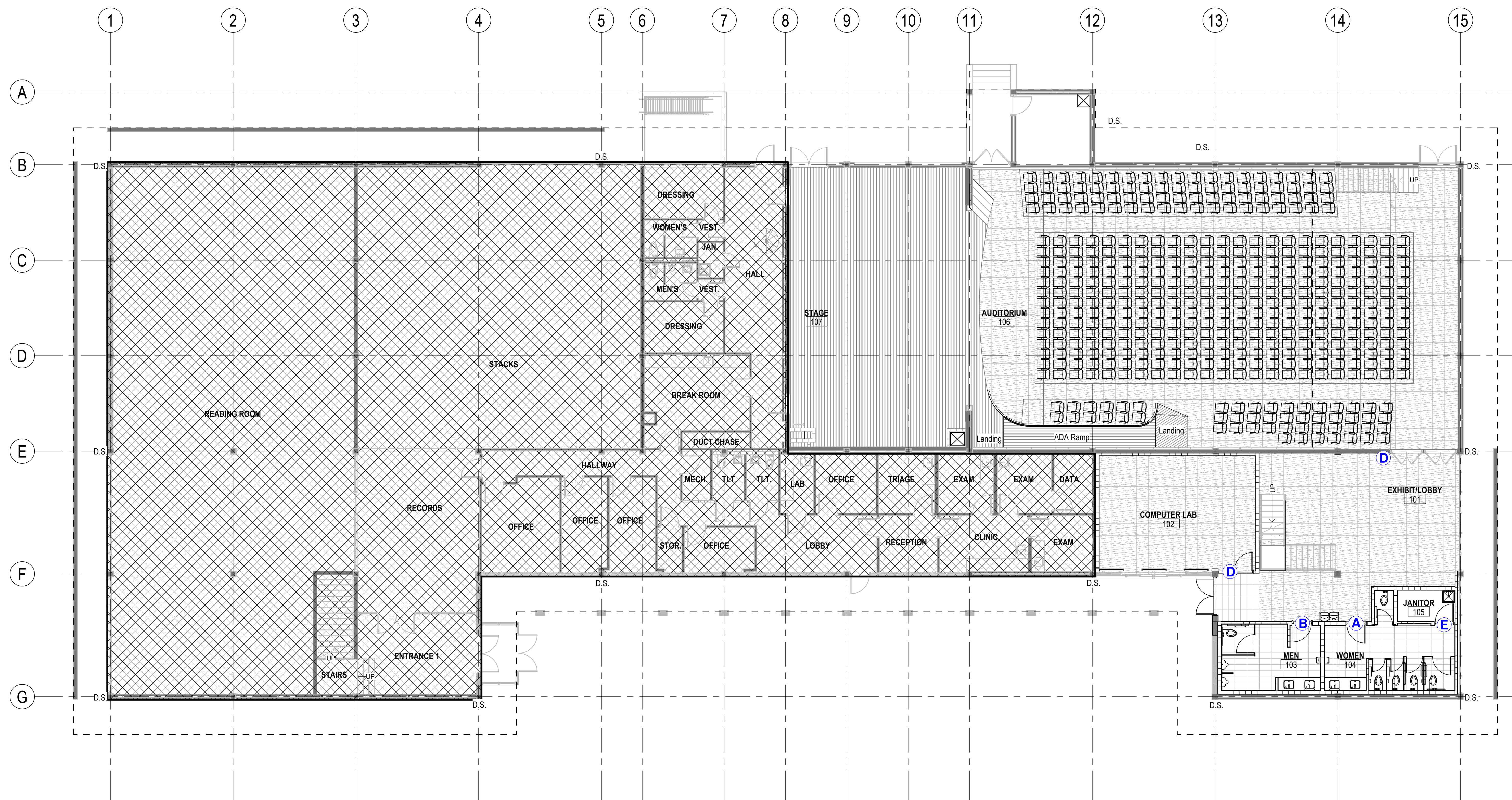
03-02-2024

Sheet Title

OVERALL SIGNAGE PLAN

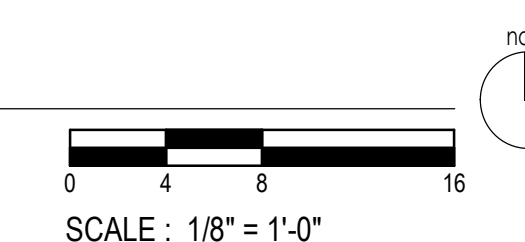
Sheet Number

AG101



GENERAL NOTE:
SEE G-003 FOR SIGNAGE LEGEND

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



1. FIRE ALARM SYSTEM AND DEVICES SHALL BE INSTALLED TO THE LATEST EDITION OF NFPA 72, NFPA 70, AND LOCAL REQUIREMENTS.
2. ALL FIRE ALARM INSTALLATIONS, INCLUDING PULLING OF WIRE AND MOUNTING OF DEVICES, SHALL HAVE OVERSIGHT OF A LICENSED LEVEL II FIRE ALARM TECHNICIAN OR HIGHER.
3. STROBES SHALL BE SYNCHRONIZED PER NFPA 72.
4. ALL FIRE ALARM CABLE SHALL BE RUN IN RED FACTORY COLORED CONDUIT.
5. THESE DESIGN DOCUMENTS PROVIDE GENERAL SPACING, LOCATION, AND COORDINATION CRITERIA. CONTRACTOR SHALL BE RESPONSIBLE FOR CIRCUIT CONFIGURATION, SYSTEM PERFORMANCE, SIGHT WIRE CONFIGURATION, DEVICE PROGRAMMING, SYSTEM COMMISSIONING, AND SYSTEM WARRANTY.
6. CONTRACTOR SHALL SUBMIT FIRE ALARM, DATA CUT-SHEETS, AND VOLTAGE DROP CALCULATIONS TO AHJ AND A/E FOR REVIEW AND APPROVAL PRIOR TO BEGINNING ANY WORK ON THE FA SYSTEM.
7. NO FA DOCUMENTS/PLANS SHALL BE USED FOR INSTALLATION OF THIS SYSTEM UNLESS THEY HAVE BEEN REVIEWED AND APPROVED BY THE AHJ. THE LOCAL AHJ HAS THE AUTHORITY TO STOP ANY WORK UNTIL SUCH PLANS ARE ON SITE AND IN USE.
8. SEPARATE FIRE ALARM SPECIFICATIONS CONTAIN VERY DETAILED INFORMATION ABOUT THIS SYSTEM AND SHALL BE FOLLOWED, ON-SITE AND AVAILABLE DURING ANY CONSTRUCTION.
9. SECONDARY POWER PERFORMANCE (MEAN TIME BETWEEN FAILURE) SHALL BE FOLLOWED BY THE MANUFACTURER'S RECOMMENDATION. ALL CONNECTED DEVICES SHALL BE MAXIMUM 100 WATT FOLLOWED BY THE SYSTEM SHALL ALSO BE DESIGNED TO OPERATE MAXIMUM CONNECTER ALARM LOAD FOR 6 MINUTES IMMEDIATELY FOLLOWING DISCONNECTION OF PRIMARY POWER.
10. CIRCUITS TO BE 24V TYPICAL.
11. ALL NEW SYSTEMS AND DEVICES MUST INTERFACE WITH APPLICABLE EXISTING SYSTEMS. SHELL, PANEL, AND DEVICES MUST COMMUNICATE WITH EXISTING SITE FIRE ALARMS AND TENANT FINISH DEVICES MUST INTERFACE WITH EXISTING SHELL PANEL AND SYSTEMS.

1. IN ACCORDANCE WITH 2019 NFPA 72, STROBES MAY BE MORE THAN 15 FEET FROM THE END OF A CORRIDOR WHEN ROOM SPACING CRITERIA APPLIES USING THE APPROPRIATE CANDELA.
2. WALL MOUNTED SPEAKER, STROBES, OR SPEAKER/STROBES SHALL BE AT 96" OR 6" BELOW THE CEILING, WHICHEVER IS LOWER.
3. ALL SMOKE DETECTORS SHALL BE LOCATED WHERE THEY CAN BE READILY SERVICED.
4. ALL SMOKE DETECTORS SHALL BE CEILING MOUNTED OR WITHIN 12" OF THE CEILING.
5. SMOKE DETECTORS SHALL NOT BE INSTALLED WITHIN 3' OF AN AIR-SUPPLY OR RETURN GRILLE PER NFPA CRITERIA AND APPENDIX A OF NFPA 72.
6. EACH POWER BOOSTER PANEL OR FIRE ALARM PANEL SHALL BE PROTECTED BY A SMOKE DETECTOR. WHEN PROVIDED, AREA DETECTORS WITHIN THE SAME SPACE WILL SATISFY THIS REQUIREMENT.
7. AIR HANDLER SYSTEMS OVER 2,000 CFM SHALL BE PROVIDED WITH MEANS TO SHUT DOWN UPON THE DETECTION OF SMOKE. THESE DETECTORS SHALL NOT INITIATE A GENERAL FIRE ALARM.
8. DAMPER AND HVAC SMOKE DETECTORS SHALL BE PROVIDED BY THE FIRE ALARM CONTRACTOR, LISTED WITH THE FIRE ALARM SYSTEM, AND INCORPORATE ADDRESSABLE MODULES.
9. WHERE APPLICABLE, SMOKE DETECTORS FOR AIR-HANDLER SHUT DOWN SHALL BE ON BOTH SUPPLY AND RETURN DUCTS.
10. VISUAL NOTIFICATION DEVICES TO BE LOCATED SUCH THAT THE ENTIRE LENS OF THE STROBE IS BETWEEN 80" AND 96" AFF. ALL WALL MOUNTED NOTIFICATION DEVICES SHALL BE MOUNTED AT THE SAME HEIGHT AFF TO ACHIEVE A UNIFORM APPEARANCE OR AS DIRECTED BY THE A/E. WATTAGE AND CANDELA ARE GUIDELINES. CONTRACTOR RESPONSIBLE FOR FINAL SPACING AND TOTAL DEVICE POWER.

1. ANY SMOKE DETECTOR THAT HAS BEEN INSTALLED PRIOR TO THE CONSTRUCTION CLEANUP OF ALL TRADES AND WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER AND LOCAL AHJ SHALL BE MARKED IN A MANNER THAT WILL IDENTIFY IT FROM RE-USE AND SHALL BE REPLACED PRIOR TO COMMISSIONING OF THE SYSTEM. THE COST OF REPLACEMENT SHALL BE THE OWNER'S. SUCH DETECTORS SHALL BE REPLACED AT THE SOLE EXPENSE OF THE INSTALLING CONTRACTOR.
2. DUCT DETECTORS SHALL BE MONITORED FOR INTEGRITY AND PROVIDE A SUPERVISORY SIGNAL AT THE FIRE ALARM PANEL. AIR HANDLER SYSTEMS SHALL BE RAN AND BLOWN OUT PRIOR TO INSTALLATION OF SMOKE DETECTORS.
3. FIRE ALARM AUDIBLE ALERT SIGNALS SHALL BE SET TO TEMPORAL CODE PER NFPA 72.
4. ULTIMATELY, THE FOLLOWING MINIMUM SURVIVABILITY CRITERIA SHALL BE MET:
 a. SIGNALING LINE CIRCUITS CLASS "B", AND NOTIFICATION CIRCUITS CLASS "B".
5. INITIATING DEVICES SHALL BE INDIVIDUALLY ADDRESSABLE.

1. A COMPLETED AND SIGNED RECORD (CERTIFICATE) OF COMPLETION FORM SHALL BE PROVIDED BY THE CONTRACTOR TO THE AHJ, OWNER, AND A/E PRIOR TO COMMISSION TESTING. THIS CERTIFICATE SHALL CERTIFY THAT THE CONTRACTOR HAS PRE-TESTED EVERY DEVICE AND FUNCTION OF THE SYSTEM AND REPAIRED ANY DEFICIENCIES PRIOR TO THE COMMISSIONING TEST.
2. ALL SMOKE DETECTORS SHALL BE COMMISSIONED USING CANNED SMOKE OR A METHOD THAT WILL FUNCTIONALLY TEST THE SMOKE CHAMBER. THE USE OF MAGNETS FOR COMMISSION TESTING OF SMOKE DETECTORS IS STRICTLY PROHIBITED.
3. EACH AND EVERY DEVICE SHALL BE TESTED DURING COMMISSIONING AND PRIOR TO BEING TURNED OVER TO THE OWNER.
4. EACH NOTIFICATION CIRCUIT SHALL BE TESTED UNDER STANDBY/BATTERY POWER. ANY CIRCUIT THAT MEASURES LESS THAN 20 VOLTS DC OR THE NAMEPLATE VOLTAGE, WHICHEVER IS HIGHER, SHALL BE CONSIDERED AS FAILING THE DESIGN. NOTE: SOME SYSTEMS INCORPORATING SYNCHRONIZING MODULES CAN IMPAIR RESULTS. IF THE MODULE CANNOT BE BYPASSED FOR VOLTAGE READINGS, THE MANUFACTURER SHOULD BE CONTACTED FOR GUIDANCE. WHEN VOLTAGE CANNOT BE MEASURED, CIRCUIT WIRE RESISTANCE READINGS AND DEVICE LOAD MAY BE COMPARED TO DESIGN CALCULATIONS. IF CIRCUIT IS DERIVED FROM POWER SUPPLY (NOT FROM POWER OBTAINING WIRE RESISTANCE), ONLY A QUALIFIED TECHNICIAN EMPLOYED BY THE INSTALLING CONTRACTOR SHOULD PERFORM THIS FUNCTION.
5. EACH CIRCUIT'S END-OF-LINE VOLTAGE SHALL BE DOCUMENTED FOR COMPARISON TO THE DESIGN END-OF-LINE CALCULATIONS.

THE EXISTING FCI ZONED FIRE ALARM SYSTEM IS NOT OPERATIONAL. THE OWNER IS RESPONSIBLE FOR REPAIRING THE EXISTING SYSTEM TO ENSURE COVERAGE IN THE AREAS OF THE BUILDING NOT WITHIN THIS SCOPE OF WORK.

THE CONTRACTOR SHALL INSTALL A NEW ADDRESSABLE AUTOMATIC FIRE ALARM SYSTEM WITHIN THE AREAS INCLUDED IN THIS SCOPE OF WORK. THE NEW FIRE ALARM PANEL SHALL BE SIZED TO ACCOMMODATE EXPANSION TO THE REST OF THE BUILDING. THE CONTRACTOR SHALL DEMOLISH ALL EXISTING FIRE ALARM COMPONENTS WITHIN THE SCOPE OF WORK AND TERMINATE THE REMAINDER OF THE EXISTING CIRCUIT IN A MANNER THAT ALLOWS REPAIR OF THE EXISTING FIRE ALARM SYSTEM.

[illegible]

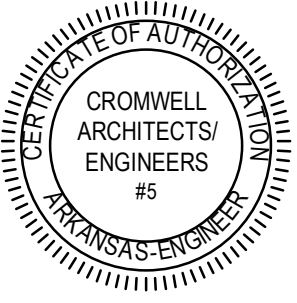
PHILANDER SMITH UNIVERSITY

M.L. HARRIS AUDITORIUM RENOVATION

Design Phase
CONSTRUCTION DOCUMENTS

Revisions		
No.	Date	Description

Stamp



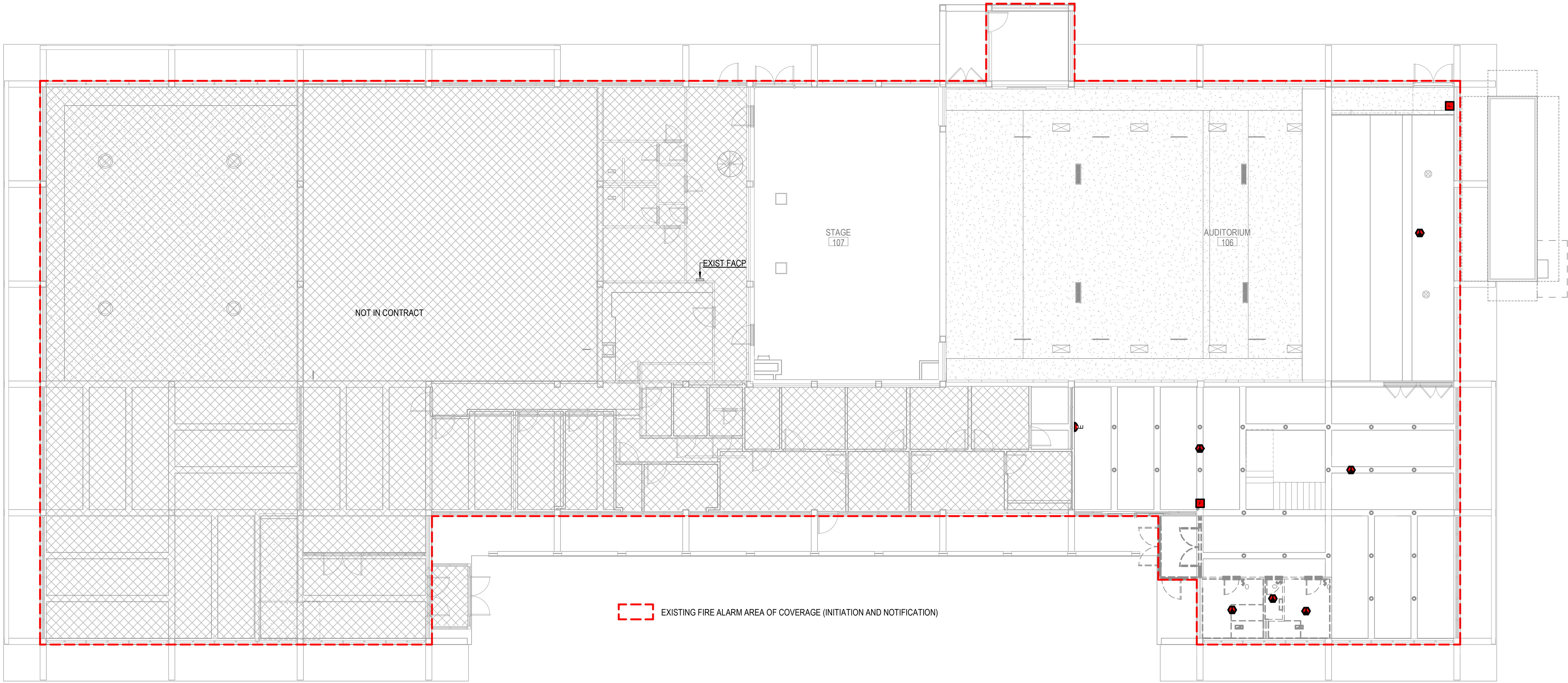
03-02-2026

Notes
1. CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED
2. THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.
Project Number 2024-060
Issue Date 03-02-2026
Sheet Title

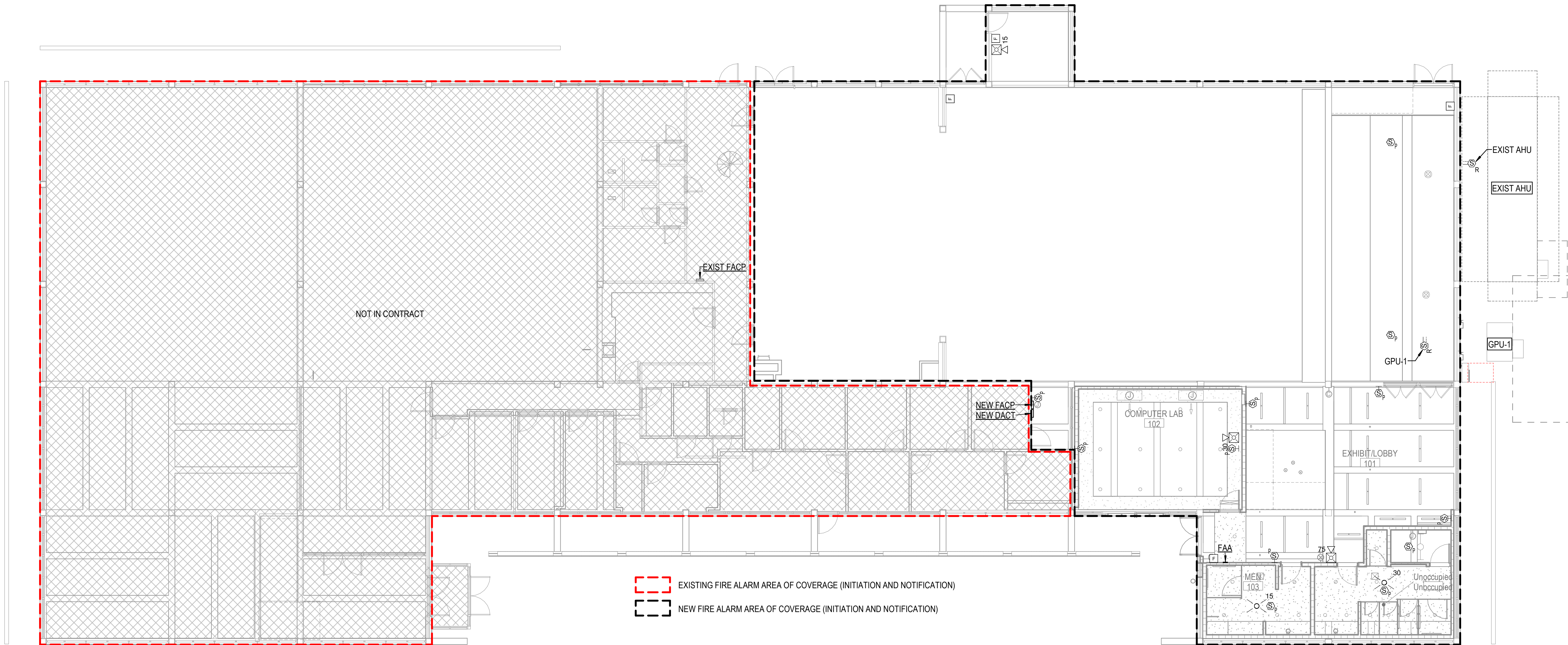
FIRE ALARM FIRST FLOOR PLAN

Sheet Number

FA101



1 FIRE ALARM FIRST FLOOR DEMO PLAN
1/8" = 1'-0" 0 4 8 16



2 FIRE ALARM FIRST FLOOR PLAN
1/8" = 1'-0" 0 4 8 16

1 FIRE ALARM SECOND FLOOR DEMO PLAN

2 FIRE ALARM SECOND FLOOR PLAN
1/8" = 1'-0"

1. ALL PLUMBING SYSTEMS SHALL BE INSTALLED AS PER SPECIFICATIONS AND GOVERNING CODES.
2. ALL DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENTS OR GEOMETRIC RELATIONSHIPS OF EQUIPMENT AND SERVICES. THEY ARE NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, FITTING OR COMPONENT. CONTRACTOR SHALL NOT SCALE DRAWINGS. INFORMATION AND COMPONENTS SHOWN ON RISER DIAGRAMS OR DETAILS, BUT NOT SHOWN ON PLANS, AND VICE-VERSA, SHALL BE PROVIDED AS IF EXPRESSLY REQUIRED BY BOTH. THE CONTRACTOR SHALL SUBMIT A REQUEST FOR INFORMATION (RFI) IF INFORMATION CONFLICTS. DRAWINGS SPECIFIC TO THIS DISCIPLINE DO NOT LIMIT THE RESPONSIBILITY OF WORK REQUIRED BY CONTRACT DOCUMENTS. REFER TO ARCHITECTURAL, ELECTRICAL AND OTHER DRAWINGS FOR COMPLETE INFORMATION.
3. BY NECESSITY, THESE DRAWINGS REFLECT A SYSTEM DESIGNED AROUND SPECIFIC REFERENCE PRODUCTS, THE SELECTION OF WHICH HAS IMPACTED THE DESIGNS OF OTHER TRADES (HVAC, ELECTRICAL, ETC.). IF ALTERNATE MANUFACTURERS, FUEL SOURCES, SIZES, OR MODEL NUMBERS ARE SUBMITTED OR BID, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS TO COORDINATE ALL DIFFERENCES PRIOR TO BID. NO EXTRAS WILL BE ALLOWED FOR CHANGES REQUIRED TO OTHER TRADES IF ALTERNATE EQUIPMENT IS BID OR INSTALLED AT THE CONTRACTORS OPTION.
4. EXCEPT WHERE MODIFIED BY SPECIFIC NOTATION TO THE CONTRARY, IT SHALL BE UNDERSTOOD THAT THE INDICATION AND/OR DESCRIPTION OF ANY ITEM, IN THE DRAWINGS OR SPECIFICATIONS OR BOTH, CARRIES WITH IT THE INSTRUCTION TO FURNISH AND INSTALL THE ITEM, REGARDLESS OF WHETHER OR NOT THIS INSTRUCTION IS EXPLICITLY STATED AS PART OF THE INDICATION OR DESCRIPTION.
5. CONTRACTOR SHALL PAY ALL UTILITY FEES & CHARGES AS PART OF BASE BID IN THE CONTRACT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK WITH THAT OF OTHER TRADES; i.e., ARCHITECTURAL, HVAC, ELECTRICAL, AND FIRE PROTECTION PRIOR TO CONSTRUCTION.
7. THE CONTRACTOR SHALL COORDINATE UTILITY LOCATIONS, SIZES AND INVERT ELEVATIONS PRIOR TO CONSTRUCTION; i.e., SANITARY SEWER, FIRE PROTECTION, DOMESTIC WATER. ALL SERVICES SHALL TERMINATE 5 FEET OUTSIDE THE BUILDING, EXCEPT WHERE SHOWN OTHERWISE. SEE SITE UTILITY DRAWINGS FOR CONTINUATION OF ALL SERVICE LINES.
8. PROVIDE ISOLATION VALVES AT EACH FIXTURE GROUP OR BATTERY OF FIXTURES IN THE DOMESTIC CW & HW. VALVES SHALL BE EASILY ACCESSIBLE. WHERE HOT CEILINGS ARE LOCATED, VALVES SHALL BE ACCESSED THROUGH ACCESS PANELS. ACCESS PANELS SHALL BE COORDINATED WITH ARCHITECT PRIOR TO CONSTRUCTION.
9. PROVIDE STOP VALVES AT ALL PLUMBING FIXTURES ON BOTH HOT AND COLD WATER SUPPLY LINES. VALVES, ESCUTCHEONS, FITTINGS, ETC., SHALL BE CHROME PLATED AND INSTALLED TIGHT TO WALL. WHERE PIPING IS EXPOSED, CHROME PLATED PIPE SHALL BE USED.
10. ALL EXPOSED OR ACCESSIBLE P-TRAPS SHALL BE CHROME PLATED AND PROVIDED WITH BOTTOM CLEANOUT PLUGS.
11. SLOPE 2-1/2" AND SMALLER DRAIN WASTE AND VENT (DWV) LINES AT MIN. (2%) 1/4" FALL PER FT. 3" TO 6" DWV LINES AT MIN. (1%) 1/8" FALL PER FT.
12. PROVIDE ALL FITTINGS, TRANSITIONS, COUPLINGS, ADAPTERS, UNIONS, AND OTHER ACCESSORIES NEEDED TO COMPLETE CONNECTIONS AND PROPER OPERATIONS OF PLUMBING FIXTURES AND PLUMBING EQUIPMENT.
13. REFER TO SPECIFICATIONS FOR ACCEPTABLE MANUFACTURERS OF PLUMBING FIXTURES AND EQUIPMENT, AND PROPER APPLICATIONS OF SAME.
14. PROVIDE CLEANOUTS IN ALL SEWERS, WHETHER SHOWN OR NOT, AT INTERVALS NOT TO EXCEED 50 FEET, AT EACH CHANGE OF DIRECTION GREATER THAN 45°, AND ALL VERTICAL STACKS AT A HEIGHT OF 30' ABOVE FINISH FLOOR AT THE BASE OF EACH STACK.
15. ALL PIPING PENETRATIONS OF THE RATED CEILING AND WALL MUST BE MADE WITH METAL PIPE OR UL LISTED APPROVED DEVICES. FIRE STOP ALL PIPE PENETRATIONS THRU RATED WALLS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS, RATINGS AND FIRE STOPPING DETAILS.
16. DO NOT ROUTE ANY PIPING OVER ELEC. ROOMS OR ELEC. PANELS.
17. UNLESS OTHERWISE INDICATED, DO NOT ROUTE WATER PIPING IN EXTERIOR WALLS. WHEN ROUTED IN EXTERIOR WALLS, CAREFULLY POSITION WATER PIPING ON THE HEATED SIDE (INTERIOR SIDE) OF THE WALL INSULATION.
18. ALL SEWER & VENT PIPING SHALL BE RODDED AND CLEANED AT END OF CONSTRUCTION. ALL TRAPS SHALL BE CLEANED AND PRIMED AT END OF CONSTRUCTION.
19. ALL PIPE DROPS FROM CEILING PLENUM TO FLOOR SHALL BE MADE IN FURROUTS AT COLUMNS, IN WEB OF BEAMS AT COLUMNS OR IN WALLS. PIPING SHALL BE CONCEALED UNLESS APPROVED BY ARCHITECT.
20. PROVIDE WATER HAMMER ARRESTORS IN FIXTURE BRANCHES WHERE QUICK CLOSING VALVES ARE INSTALLED; i.e., FLUSH VALVES
21. INSULATE ALL WATER PIPING ABOVE FINISH FLOOR. SEE SPECIFICATIONS FOR THICKNESS SCHEDULE.
22. INSULATE ALL EXPOSED HOT WATER & DRAIN PIPING FOR ACCESSIBLE FIXTURES PER ANSI A117.1 AND ADA REQUIREMENTS.
23. AN APPROVED TRAP SEAL DEVICE CONFORMING TO ASSE 1072 SHALL BE INSTALLED AT ALL FLOOR AND HUB DRAINS. ALL DRAINS SHALL HAVE DEEP SEAL TRAPS, 4" DEEP SEAL MINIMUM. INSTALL TRAP GUARD DEVICES PER MANUFACTURER'S INSTRUCTIONS.
24. DOMESTIC WATER SERVICE PIPING AND FITTINGS, E.G., CHECK VALVES, SHUT-OFF VALVES, STRAINERS, ETC. SHALL COMPLY WITH NSF 61 CRITERIA. ALL CAST IRON EQUIPMENT IS TO BE INTERNALLY EPOXY COATED.

WATER CLOSETS: THE HEIGHT OF WATER CLOSETS SHALL BE 17"-19" MEASURED FROM THE TOP OF THE TOILET SEAT. SEATS SHALL NOT BE SPRUNG OR RETURN TO A LIFTED POSITION. THE WATER CLOSET SHALL BE LOCATED 18" FROM THE SIDE WALL TO THE CENTER OF THE BOWL. HAND OPERATED FLUSH CONTROLS SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREAS NO MORE THAN 29" ABOVE FINISHED FLOOR. SEE ARCHITECTURAL SHEETS FOR GRAB BAR LOCATIONS.

LAVATORIES: LAVATORIES SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO MORE THAN 34" ABOVE FINISHED FLOOR. PROVIDE A CLEARANCE OF AT LEAST 23" ABOVE FINISHED FLOOR TO THE BOTTOM OF THE APRON. KNEE SPACE SHALL BE 8" FROM THE BOTTOM EDGE OF APRON TO THE LEADING EDGE OF THE BOTTOM OF BOWL. THE BOTTOM OF THE BOWL SHALL BE A MINIMUM OF 27" ABOVE FINISHED FLOOR. ALL WATER AND DRAIN PIPING UNDER LAVATORIES SHALL BE INSULATED WITH FOAM INSERT, COVERED WITH A 1/8" VINYL OUTER SHELL. ANGLE STOPS SHALL HAVE A FLIP TOP ACCESS.

SINKS: SINKS SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO MORE THAN 34" ABOVE FINISHED FLOOR. PROVIDE A CLEARANCE OF AT LEAST 27" HIGH, 30" WIDE, AND 19" DEEP. SINKS SHALL BE A MAXIMUM OF 6-1/2" DEEP. ALL WATER AND DRAIN PIPING UNDER SINKS SHALL BE PROVIDED WITH INSULATING FOAM INSERT, COVERED WITH A 1/8" VINYL OUTER SHELL. ANGLE STOPS SHALL HAVE A FLIP TOP ACCESS.

DRINKING FOUNTAINS-WATER COOLERS: WHEN INSTALLING A HI-LO ACCESSIBLE FOUNTAIN MOUNT THE LOWEST SPOUT AT NO MORE THAN 36" ABOVE THE FINISHED FLOOR AND THE HIGH SPOUT AT 40" ABOVE FINISHED FLOOR. SPOUT SHALL BE AT THE FRONT OF THE UNIT AND SHALL DIRECT THE WATER FLOW IN THE TRAJECTORY THAT IS PARALLEL OR NEARLY PARALLEL TO THE FRONT OF THE UNIT. THE SPOUT SHALL PROVIDE A WATER FLOW OF AT LEAST 4" HIGH. THE CONTROLS SHALL BE FRONT MOUNTED OR SIDE MOUNTED NEAR THE FRONT EDGE. CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE THE CONTROLS SHALL BE NO GREATER THAN 5 lbf. WALL MOUNTED UNITS SHALL HAVE A CLEAR KNEE SPACE BETWEEN THE BOTTOM OF THE APRON AND THE FINISHED FLOOR OF 27" HIGH, 30" WIDE, AND 17"-19" DEEP. FOUNTAINS SHALL NOT PROTRUDE MORE THAN 4" INTO WALKWAYS.

GENERAL NOTES

A. PER THE 2018 INTERNATIONAL BUILDING CODE, MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT AND COMPONENTS, INCLUDING THEIR SUPPORTS AND ATTACHMENTS, SHALL BE DESIGNED FOR SEISMIC FORCES IN ACCORDANCE WITH CHAPTER 13 OF ASCE 7-16.

B. EXISTING EQUIPMENT (INCLUDING ROOF CURBS, RAILS, SUPPORTS) EXIST TO WHICH WIND SHALL BE DESIGNED AND INSTALLED TO RESIST THE WIND PRESSURES DETERMINED IN ACCORDANCE WITH CHAPTERS 26 TO 29 OF ASCE 7-16.

C. WHERE DESIGN FOR SEISMIC IN ADDITION TO WIND LOADS IS REQUIRED, THE MORE DEMANDING FORCE MUST BE USED.

D. REFERENCE THE STRUCTURAL DRAWINGS FOR SITE SPECIFIC INFORMATION ON SEISMIC DESIGN CATEGORY, WIND SPEEDS, ETC.

E. SEE EQUIPMENT SCHEDULES AND DETAILS FOR SPECIFIC COMPONENT IMPORTANCE FACTOR DESIGNATIONS.

F. USE TABLE BELOW TO DETERMINE SEISMIC RESTRAINT REQUIREMENTS FOR EACH COMPONENT.

G. FOR ALL COMPONENTS REQUIRING SEISMIC RESTRAINT, THE COMPONENT SUPPORTS AND ATTACHMENTS SHALL BE DESIGNED BY A REGISTERED DESIGN PROFESSIONAL.

H. WHERE SEISMIC RESTRAINT IS REQUIRED, HOUSEKEEPING PADS NEEDED FOR THE INSTALLATION OF EQUIPMENT UNDER THIS CONTRACT MUST BE DESIGNED BY THE SEISMIC ENGINEER. DO NOT POUR ANY HOUSEKEEPING PADS PRIOR TO THE RECEIPT OF THE APPROVED SEISMIC SUBMITTAL.

I. SEISMIC RESTRAINTS FOR DUCTWORK, PIPING, CONDUIT, CABLE TRAY AND BUS DUCT MUST BE SHOWN ON LAYOUT DRAWINGS SHOWING SPECIFIC RESTRAINT LOCATIONS ALONG WITH ACCOMPANYING DETAILS AND CALCULATIONS.

COMPONENT IDENTIFICATION		COMPONENT IMPORTANCE FACTOR (Ip)			
		1.0		1.5	
		SEISMIC RESTRAINT REQUIREMENT	ASCE 7 REFERENCE	SEISMIC RESTRAINT REQUIREMENT	ASCE 7 REFERENCE
ROOF MOUNTED		NOT REQUIRED	13.1.4.5	RESTRAIN ALL	13.1.4.5
FLOOR MOUNTED		NOT REQUIRED	13.1.4.5	RESTRAIN ALL	13.1.4.5
WALL MOUNTED		NOT REQUIRED	13.1.4.5	RESTRAIN ALL	13.1.4.5
COMPONENT SUPPORTS		NOT REQUIRED	13.1.4.5	RESTRAIN ALL	13.6.4
SUSPENDED EQUIPMENT	INLINE W/ DUCT	NOT REQUIRED	13.1.4.5	RESTRAIN IF >75 LBS PROVIDE FLEX. CONN. (SEE NOTES 1.2)	13.6.7
	NOT INLINE W/ DUCT	NOT REQUIRED	13.1.4.5	RESTRAIN ALL	13.1.4.5
SUSPENDED DUCTILE PIPING (STEEL, ALUMINUM, COPPER, ETC.)		NOT REQUIRED	13.1.4.5	RESTRAIN IF > 2"	13.6.8.3.3.a
SUSPENDED NON DUCTILE PIPING (CAST IRON, PLASTIC, CERAMIC)		NOT REQUIRED	13.1.4.5	RESTRAIN ALL	13.6.8.3.3
SUSPENDED PIPE ON TRAPEZE		NOT REQUIRED	13.1.4.5	RESTRAIN IF ANY PIPE ON TRAPEZE > 2" RESTRAIN IF TOTAL WEIGHT OF PIPES ON TRAPEZE ≥ 10 LBS/FT	13.6.7.3
DUCTWORK		NOT REQUIRED	13.6.6	RESTRAIN IF ≥ 6 SQ.FT. OR > 20 LBS/FT (SEE NOTE 3)	13.6.6
SINGLE CONDUIT		NOT REQUIRED	13.6.5.6	RESTRAIN IF ≥ 2.5"	13.6.5
CABLE TRAY/BUS DUCT/ TRAPEZED CONDUIT		NOT REQUIRED	13.6.5.6	RESTRAIN IF TOTAL WEIGHT OF RACEWAY ≥ 10 LBS/FT	13.6.5
PENDANT, LAY-IN, & CAN LIGHTS		REQUIRED (SEE NOTE 3)	13.5.6.2	REQUIRED (SEE NOTE 4)	13.5.6.2
COMPONENT CERTIFICATION		NOT REQUIRED	13.2.2	REQUIRED (SEE NOTE 5)	13.2.2

NOTES:

1. EQUIPMENT 20 LBS. OR LESS IS EXEMPT IF THE COMPONENT IS POSITIVELY ATTACHED TO THE STRUCTURE.
2. RESTRAINTS ARE NOT REQUIRED IF THE COMPONENT WEIGHS 400 LBS. OR LESS, IS MOUNTED WITH THE CENTER OF MASS AT 4 FT. OR LESS ABOVE A FLOOR, IS POSITIVELY ATTACHED TO THE STRUCTURE, AND HAS FLEXIBLE CONNECTIONS BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.
3. FLEXIBLE CONNECTIONS REQUIRED FOR PIPE AND CONDUIT CONNECTIONS ONLY.
4. SEE TABLE 1 FOR ROD HANGER LENGTH EXEMPTION RULES
5. ALL DUCTWORK, REGARDLESS OF SIZE, DESIGNED TO CARRY TOXIC, HIGHLY TOXIC, OR EXPLOSIVE GASES OR USED FOR SMOKE CONTROL MUST BE RESTRAINED.
6. THE RESTRAINT OF PENDANT, LAY-IN, & CAN LIGHTS IS ADDRESSED IN ASTM C636 & E580.
7. COMPONENT CERTIFICATION MUST BE SUPPLIED BY THE EQUIPMENT MANUFACTURER AT TIME OF SUBMITTAL FOR REVIEW BY ENGINEER OF RECORD AND BUILDING OFFICIAL.

1 IN THESE GENERAL NOTES, "PLUMBING" SHALL REFER TO, BUT NOT BE LIMITED TO SYSTEMS, COMPONENTS AND EQUIPMENT FOR HOT WATER, COLD WATER, SEWER, SEWER VENTS, ISOLATION VALVES, BALANCING VALVE, REGULATORS, EQUIPMENT AND PIPING, ETC.

3. ALL EXISTING PLUMBING EQUIPMENT AND PIPING ADJACENT TO AND/OR IN AREAS OF DEMOLITION SHALL BE PROPERLY IDENTIFIED FOR LOCATION, SIZE, CONDITION AND SYSTEM(S) OPERATION. ALL SYSTEMS SHALL BE COMPARED TO THE PLUMBING DRAWINGS AND EXISTING RECORD DRAWINGS (EXISTING RECORD DRAWINGS SHALL BE REQUESTED FROM OWNER) AND DOCUMENT ALL VARIATIONS. AFTER THE EXISTING SYSTEMS ARE INVESTIGATED AND DOCUMENTED, THE CONTRACTOR SHALL CAP AND/OR REMOVE ALL PLUMBING EQUIPMENT AND PIPING BACK TO POINT OF DEMOLITION BOUNDARY AS NOTED ON PLANS. DEMOLITION BOUNDARY AND PHASING SHALL BE COORDINATED WITH ARCHITECT AND OWNER PRIOR TO CONSTRUCTION. ALL BRANCHES AND DROPS NOT REMOVED SHALL BE CAPPED AND PREPARED FOR FUTURE RECONNECTION WHEN NEW EQUIPMENT AND/OR FIXTURES ARE INSTALLED, AS REQUIRED.

5 MAINTAIN EXISTING PLUMBING WITH PHASED DEMOLITION AND INSTALLATION OF NEW WORK, PROVIDING TEMPORARY SERVICES AS REQUIRED

6. EXISTING PLUMBING EQUIPMENT BEING REMOVED AND NOT RE-USED, SHALL REMAIN THE PROPERTY OF THE OWNER (AS APPROVED BY THE OWNER) AND SHALL BE DELIVERED UPON REMOVAL TO LOCATION DESIGNATED BY THE GOVERNMENT. ALL OTHER SYSTEM COMPONENTS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

7 UPON COMPLETION OF NEW ADDITION, NEW PLUMBING EQUIPMENT AND PIPING WILL BE INSTALLED AS SHOWN ON RENOVATED PLUMBING PLANS. RECONNECT ALL EXISTING BRANCHES AND EQUIPMENT TO NEW SYSTEM PIPING AS REQUIRED FOR OPERATION.

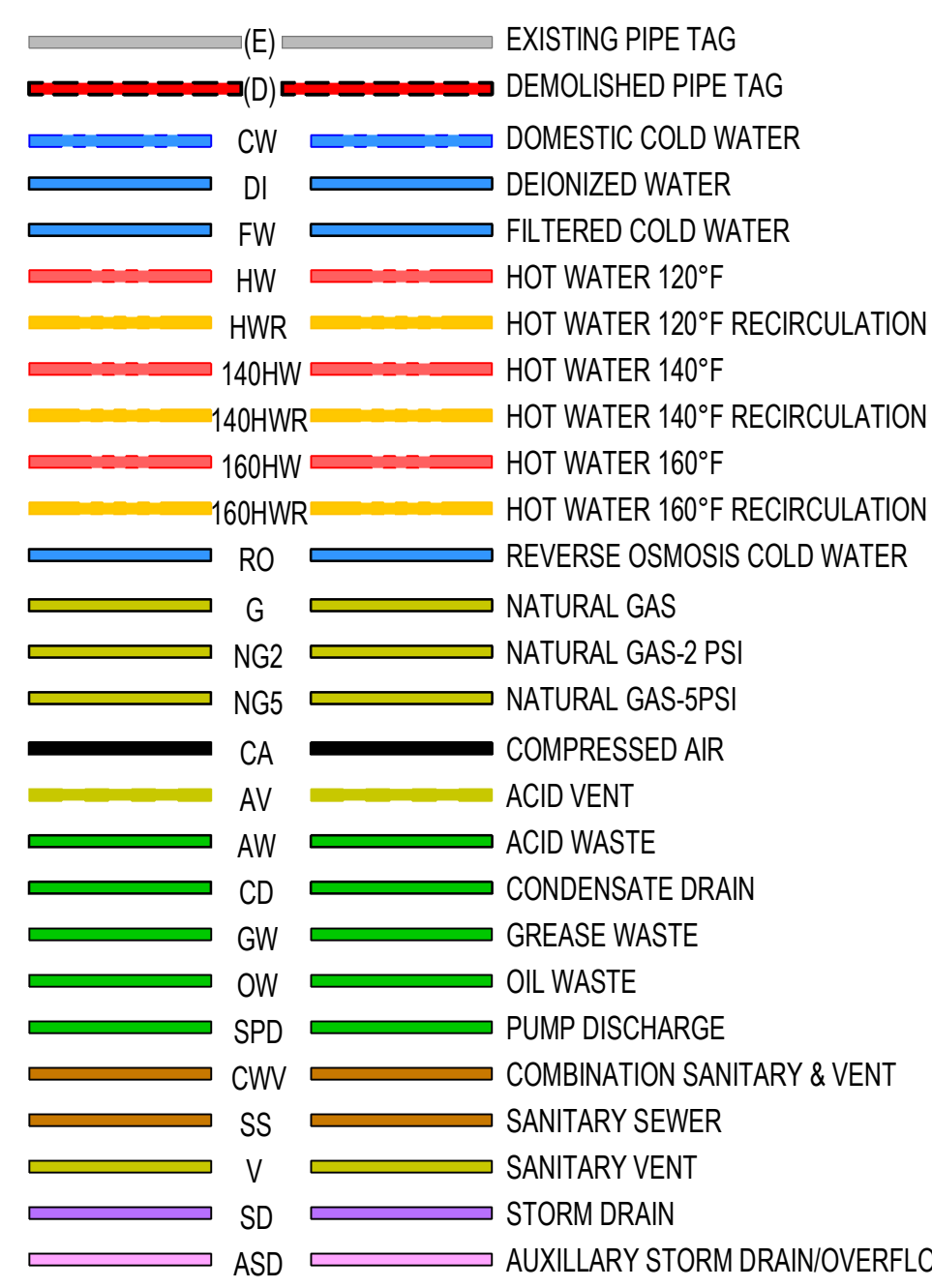
8 REPLACE AND/OR PATCH TO MATCH EXISTING, ANY COMPONENTS OF THE EXISTING PLUMBING SYSTEMS TO FACILITATE ITS INSTALLATION WITHIN THE NEW RENOVATED AREAS. SUCH ITEMS MAY INCLUDE, BUT NOT BE LIMITED TO, FITTINGS, SUPPORTS, NEW MOUNTING SYSTEMS, NEW ACCESS DOORS, ETC.

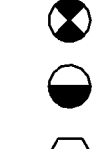
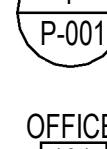
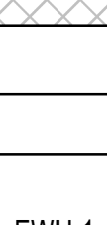
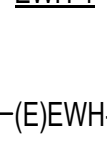
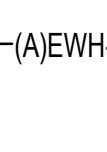
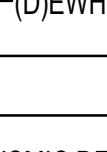
9 DAMAGED, OR INOPERABLE PLUMBING COMPONENTS INSPECTED PRIOR TO DEMOLITION AND DETERMINED NOT SUITABLE FOR REUSE, THAT WILL EFFECT THE INTEGRITY OF THE OPERATION OF THE PLUMBING SYSTEM, SHALL BE REPLACED WITH NEW OF LIKE, OR EQUAL QUALITY.

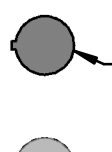
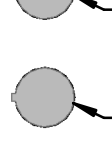
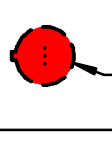
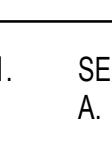
10 PATCH ALL WALLS, FLOORS, ROOFS AND CEILINGS TO MATCH EXISTING OR NEW (IF APPLIED) FOR ALL OPENINGS CREATED BY DEMOLITION WORK OF EQUIPMENT AND PLUMBING SYSTEM PENETRATIONS.

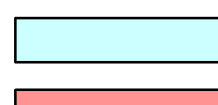
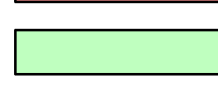
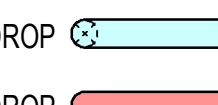
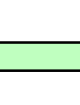
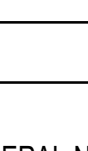
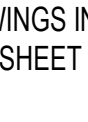
11 REFER TO HVAC PLANS FOR EXTENT OF WORK RELATING TO PLUMBING PIPING CONNECTING TO HVAC EQUIPMENT TO BE REMOVED OR RELOCATED.

12 THE ADJACENT SPACES WILL CONTINUE TO OPERATE DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH OWNER TO INSURE THAT PLUMBING CONSTRUCTION DOES NOT IMPACT HOURS OF OPERATION. SEE ARCHITECTURAL SHEET FOR ADDITIONAL NOTES AND INSTRUCTIONS.

ABBREVIATIONS			PIPING LEGEND		
AC AIR COMPRESSOR	HS HOSE STATION	(E) EXISTING PIPE TAG			
ACU AIR CONDITIONING UNIT	HT HEIGHT	(D) DEMOLISHED PIPE TAG			
AD AREA DRAIN	HTG HEATING				
APC ABOVE FINISH CEILING	HVAC HEATING, VENTILATION, AIR COND.				
APF ABOVE FINISH FLOOR	HW HOT WATER				
AFG ABOVE FINISHED GRADE	HWG HOT WATER GENERATOR				
AHJ AUTHORITY HAVING JURISDICTION	HWR HOT WATER RETURN				
APPROX APPROXIMATE	HWST HOT WATER STORAGE TANK				
ARCH ARCHITECT/ARCHITECTURAL	ID INSIDE DIAMETER/DIMENSION				
ARD AUXILIARY ROOF DRAIN	KW KILOWATTS				
BFF BELOW FINISH FLOOR	LAV LAVATORY				
BLDG BUILDING	LF LINEAR FEET				
BTU BRITISH THERMAL UNITS	LPG LIQUID PETROLEUM GAS				
BTUH BRITISH THERMAL UNITS/HOUR	LWT LEAVING WATER TEMPERATURE				
CAP CAPACITY	MAX MAXIMUM				
CB CATCH BASIN	MDH THOUSAND BTU/PER HOUR				
CD CONDENSATE DRAIN	MDL MODEL				
CFH CUBIC FEET/HOUR	MECH MECHANICAL				
CFM CUBIC FEET/MINUTE	MFR MANUFACTURER				
CI CAST IRON	MH MANHOLE				
CLG CEILING	MIN MINIMUM				
CO CLEAN OUT	MISC MISCELLANEOUS				
COL COLUMN	MTD MOUNTED				
CONC CONCRETE	NA NOT APPLICABLE				
CONN CONNECT	NFPA NATIONAL FIRE PROTECTION ASSO.				
CONST CONSTRUCTION	NTS NOT TO SCALE				
CONT CONTINUE	OA OUTSIDE AIR				
COTG CLEAN OUT TO GRADE	OD OUTSIDE DIAMETER/DIMENSION				
CP CIRCULATING PUMP	PD PRESSURE DROP				
CR CONDENSATE RETURN	PLUMB PLUMBING				
CW COLD WATER	PRESS PRESSURE				
DCOTG DOUBLE CLEANOUT TO GRADE	PRV PRESSURE REDUCING VALVE				
DD DE/DESICANT DEHUMIDIFIER	PSI POUNDS PER SQUARE INCH				
DEG(*) DEGREE	RA RETURN AIR				
DEMO DEMOLITION	RD ROOF DRAIN				
DSF DRINKING FOUNTAIN	REF REFERENCE				
DIS DIAMETER	REQD REQUIRED				
DIA DOWN SPOUT	REV REVISION, REVISED				
DTL DETAIL	RM ROOM				
EFF EFFICIENT	RPM REVOLUTIONS PER MINUTE				
ELEC ELECTRICAL	SC STEAM CONDENSATE				
ELEV ELEVATION	SCH SCHEDULE				
EQUAL EQUIPMENT	SECT SECTION				
EQUIP EQUIPMENT	SK SINK				
EWH ELECTRIC WATER HEATER	SP STATIC PRESSURE				
EWT ENTERING WATER TEMPERATURE	SPEC SPECIFICATIONS				
EX, EXT EXISTING	SS SANITARY SEWER				
EXP EXPANSION	ST STEAM				
FCO FLOOR CLEANOUT	STL STEEL				
FD FLOOR DRAIN	SUCT SUCTION				
FL FLOW LINE	TDH TOTAL DYNAMIC HEAD				
FLEX FLEXIBLE CONNECTION	TEMP TEMPERATURE				
FLR FLOOR	TH TOTAL HEAD				
FPM FEET PER MINUTE	TMV THERMOSTATIC MIXING VALVE				
FRPH FREEZE PROOF ROOF HYDRANT	TMV/ THREE WAY MODULATING VALVE				
FPWH FREEZE PROOF WALL HYDRANT	TYP TYPICAL				
FS FLOOR SINK	UL UNDERWRITERS LABORATORY				
G GAS	UR URINAL				
GA GAUGE	V VENT				
GAL GALLON	VEL VELOCITY				
GALV GALVANIZED	VERT VERTICAL				
GI GREASE INTERCEPTOR	VLV VALVE				
GPH GALLONS PER HOUR	VOL VOLUME				
GPW GALLONS PER MINUTE	VTR VENT THROUGH ROOF				
GT GREASE TRAP	WC WATER CLOSET				
GWH GAS WATER HEATER	WCO WALL CLEANOUT				
HB HOSE BIBB	WP WORKING PRESSURE				
HP HORSE POWER	WT WEIGHT				
HRWH HEAT RECLAIM WATER HEATER	WTR WATER				

GENERAL PLUMBING SYMBOLS		
	REVISION NUMBER SHOWN ON PLANS	
	POINT WHERE NEW CONNECTS TO EXISTING	
	DEMOLISH TO POINT INDICATED	
	KEYNOTE	
	PIPE CONTINUATION	
	NUMBER OF DETAIL ON SHEET NUMBER OF SHEET WHERE DETAIL APPEARS	
	SPACE NAME SPACE NUMBER	
	ITEM TO BE DEMOLISHED	
	AREA NOT IN CONTRACT	

PLUMBING PHASING		
	NEW CONSTRUCTION PLUMBING EQUIPMENT/ FIXTURES (TYPICAL TAG FOR ALL NEW CONSTRUCTION)	
	EXISTING PLUMBING EQUIPMENT/ FIXTURES (TYPICAL TAG FOR ALL EXISTING)	
	ABANDONED PLUMBING EQUIPMENT/ FIXTURES (TYPICAL TAG FOR ALL EXISTING)	
	PLUMBING EQUIPMENT/ FIXTURES FOR DEMOLITION (TYPICAL TAG FOR ALL DEMOLITION)	
SEISMIC DESIGN CRITERIA		
1.	SEISMIC DESIGN DATA: A. SEISMIC DESIGN CATEGORY: C	
1.	THE FOLLOWING COMPONENT IMPORTANCE FACTORS ARE USED: A. WATER HEATERS (STORAGE WATER 140°F): 1.0 B. WATER PIPING (GREATER THAN 120°F): 1.0 C. SEWER PIPING: 1.0	
1.	SEISMIC BRACING IS NOT REQUIRED FOR THE PLUMBING COMPONENTS.	
2.	REFER TO THE SPECIFICATIONS.	

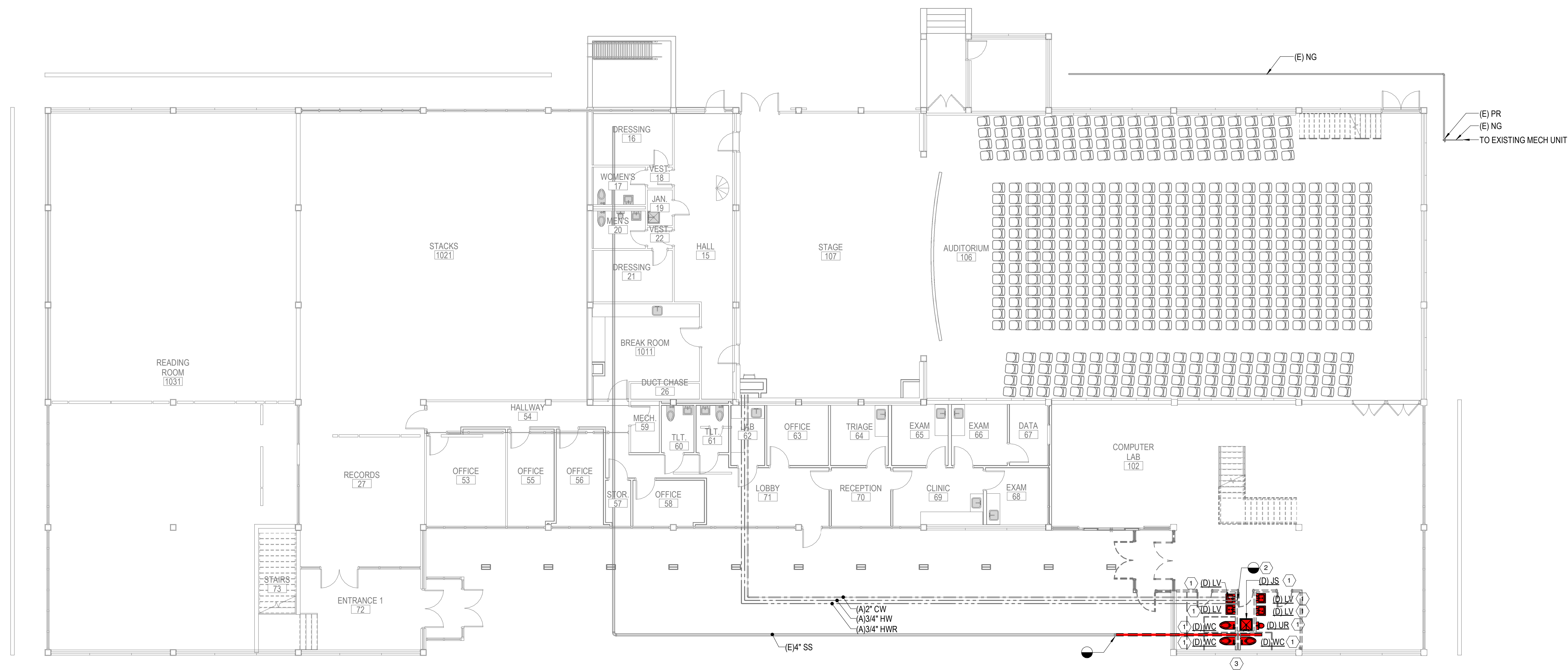
DUCTWORK LEGEND		
	C/F	CONCENTRIC FLUE
	C/A	COMBUSTION AIR
	E/A	EXHAUST AIR
DROP 	ROUND CONCENTRIC FLUE AIR DUCT RISE	
DROP 	ROUND COMBUSTION AIR DUCT RISE	
DROP 	ROUND EXHAUST AIR DUCT RISE	
	90° BEND, ROUND DUCT	
	45° BEND, ROUND DUCT	
PLUMBING SHEET SET NOTE		
* NOTE *		
ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THE CONTAINED REFERENCE DRAWINGS.		

GENERAL NOTES

- 1 REFER TO SHEET P-001 FOR LEGEND AND NOTES.

KEYED NOTES

- 1 REMOVE EXISTING PLUMBING FIXTURE AND ASSOCIATED TRIM ACCESSORIES.
- 2 CAP AND ABANDON EXISTING BELOW GRADE CW/HW/HWR SUPPLY PIPING. PATCH FLOOR TO MATCH.
- 3 DEMO ALL ABOVE GRADE CW/HW/HWR/V PIPING IN TOILET ROOMS.

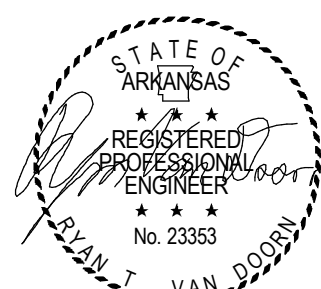
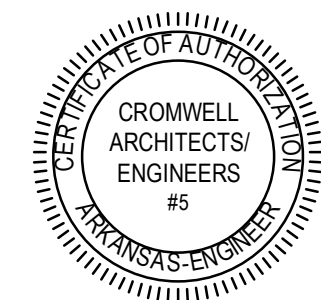


1 FIRST FLOOR PLUMBING DEMOLITION PLAN
1/8" = 1'-0"

CONSTRUCTION DOCUMENTS

No.	Date	Description

Stamp



Notes

1. CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED
2. THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.

Project Number 2024-060

Issue Date 03-02-2026

Sheet Title

FIRST FLOOR PLUMBING
DEMO PLAN

Sheet Number

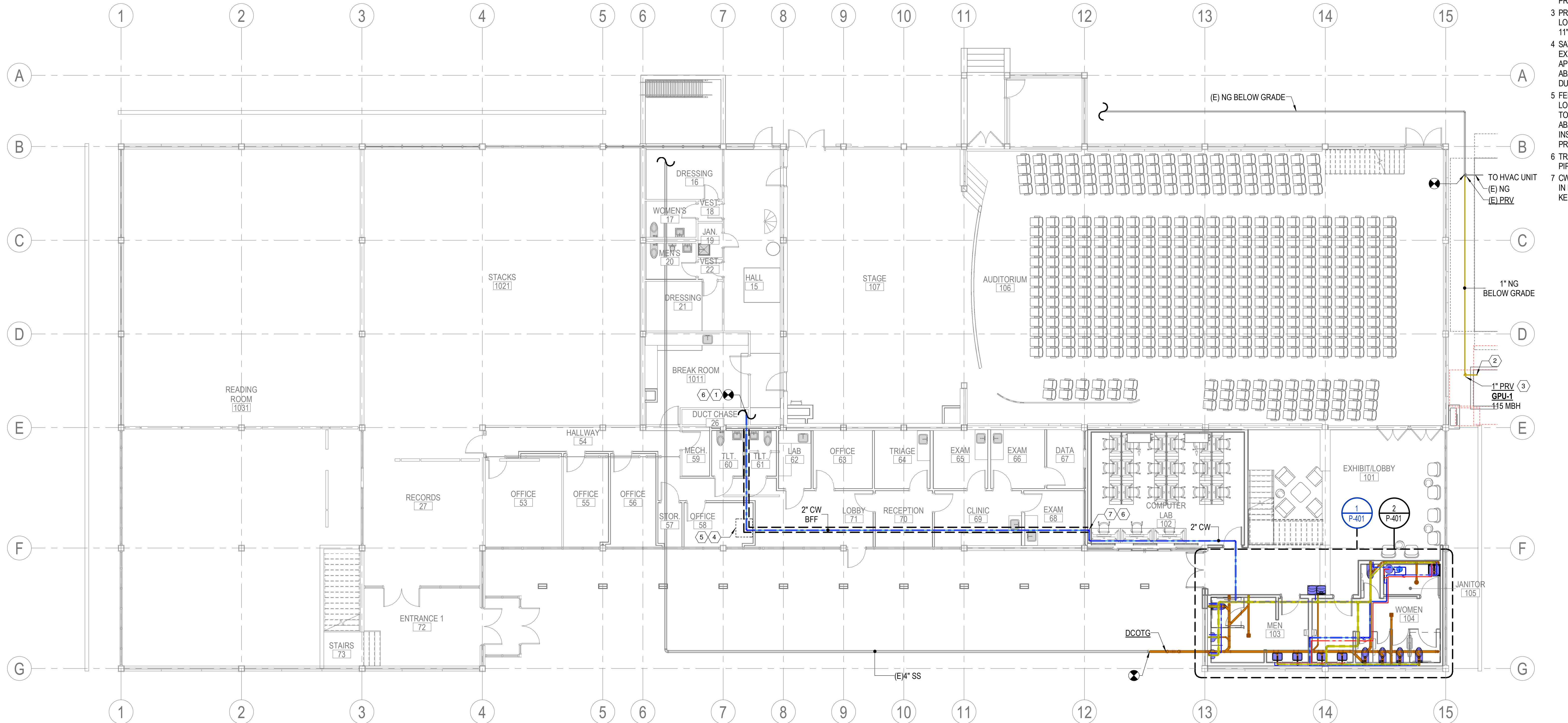
PD101

GENERAL NOTES

1 REFER TO SHEET P-001 FOR LEGEND AND NOTES.

KEYED NOTES

- 2" CW PIPING FROM ABANDONED DUCT TO CONNECT TO EXISTING CW MAIN IN BASEMENT MECHANICAL ROOM. FIELD COORDINATE FINAL LOCATION OF PIPE AS NEEDED.
- CONNECT GAS PIPING TO HVAC EQUIPMENT AT THIS LOCATION. PROVIDE ISOLATION VALVE AND DIRT LEG AT THE EQUIPMENT CONNECTION. REFERENCE MANUFACTURER'S CUT SHEET FOR CONNECTION LOCATION PRIOR TO INSTALLATION.
- PROVIDE GAS PRESSURE REGULATOR AT THIS LOCATION. REDUCE PRESSURE DOWN TO 11"WC.
- SAWCUT CONCRETE AND DIG DOWN TO EXPOSE CORNER OF HVAC DUCT AT APPROXIMATELY THIS LOCATION. REMOVE ABANDONED DUCT CORNER AND USE THIS DUCT AS A NEW CHASE FOR CW PIPING.
- FEED FLEXIBLE PEX WATER PIPING FROM THIS LOCATION TOWARD MECHANICAL ROOM AND TOWARD COMPUTER ROOM INSIDE ABANDONED DUCT CHASE. ENSURE NEWLY INSTALLED PEX PIPING IS INSULATED TO PROTECT AGAINST CONDENSATION.
- TRANSITION FROM PEX PIPING TO COPPER PIPING WITH APPROPRIATE FITTINGS.
- CW PIPING FROM ABANDONED DUCT TURNS UP IN FURR OUT WALL AND RISES INTO CEILING. KEEP PIPING CONCEALED BEHIND WALL.



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



PHILANDER
SMITH
UNIVERSITY

M.L. HARRIS
AUDITORIUM
RENOVATION

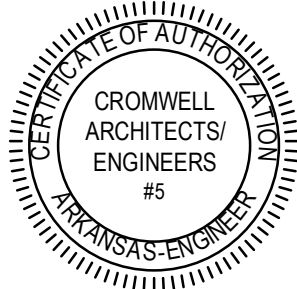
Design Phase

CONSTRUCTION
DOCUMENTS

Revisions

No.	Date	Description

Stamp



Notes

- CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED
- THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.

Project Number

2024-060

Issue Date

03-02-2026

Sheet Title

FIRST FLOOR PLUMBING
PLAN

Sheet Number

P-101

1 REFER TO SHEET P-001 FOR LEGEND AND NOTES

- 1 WATER HEATER TO BE MOUNTED 6' A.F.F. WALL MOUNT KIT MUST BE RHEEM PART# A336111 OR EQUIVALENT
- 2 ALL WATER PIPING INSTALLED ON AN EXTERIOR WALL SHALL HAVE MIN 2" INSULATION TO PREVENT FREEZING PIPING
- 3 ALL PIPING ALONG EXTERIOR WALL MUST BE ROUTED BELOW EXISTING WINDOWS.
- 4 EXISTING VENT THROUGH ROOF IS ROUTED THROUGH 2ND FLOOR TO EXISTING WALL ALONG COLUMN AT APPROXIMATELY THIS LOCATION. CONNECT ALL NEW VENT PIPING TO THIS VTR
- 5 SANITARY DRAIN PIPING FOR FLOOR DRAIN TO BE ROUTED ABOVE BELOW GRADE MECHANICAL DUCT. FIELD COORDINATE ELEVATION PRIOR TO INSTALLATION. REFERENCE MECHANICAL PLAN M-101 FOR EXACT LOCATION OF DUCT.



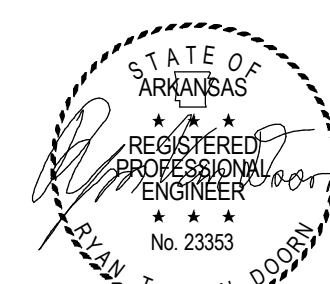
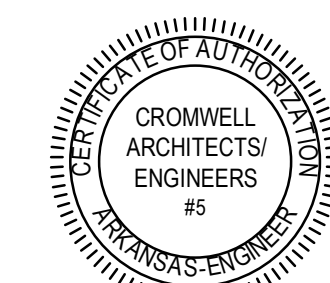
Design Phase

CONSTRUCTION DOCUMENTS

Revisions

[illegible]

Stamp



Notes

1. CROMWELL ARCHITECTS ENGINEERS, INC.
ALL RIGHTS RESERVED
2. THIS SHEET DESIGNED FOR COLOR PRINTING.
CRITICAL INFORMATION MAY BE LOST WITH
BLACK AND WHITE PRINTING.

Project Number

2024-060

Issue Date

03-02-2026

Sheet Title

ENLARGED PLUMBING PLANS

Sheet Number

P-401



FLOOR CLEANOUT



WALL CLEANOUT



DOUBLE CLEANOUT-TO-GRADE

1 TYPICAL
NOT TO SCALE



3 TYPICAL
NOT TO SCALE



② TRAPEZ
NOT TO SCALE



4 P.O.U.M.
NOT TO SCALE

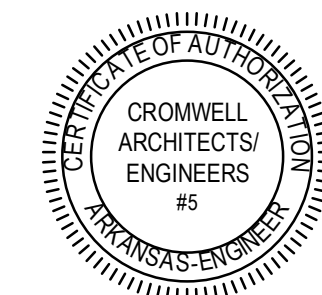


5 WATER
NOT TO SCALE

**CONSTRUCTION
DOCUMENTS**

[illegible]

Stamp



Notes

1. CROMWELL ARCHITECTS ENGINEERS, INC.
ALL RIGHTS RESERVED
2. THIS SHEET DESIGNED FOR COLOR PRINTING.
CRITICAL INFORMATION MAY BE LOST WITH
BLACK AND WHITE PRINTING.

Project Number:

2024-060

Issue Date

03-02-2026

Sheet Title

PLUMBING DETAILS

Sheet Number

P-501

**PHILANDER
SMITH
UNIVERSITY**

M.L. HARRIS
AUDITORIUM
RENOVATION

PLUMBING FIXTURE										
ID	BASIS OF DESIGN			SPECIFICATION						
	MANUFACTURER & MODEL	ACCESSORIES	COLD	HOT	WASTE	INDIRECT	VENT	TRAP		
WC-1	WATER CLOSET – AMERICAN STANDARD #3461.001 FLUSH VALVE – ZURN #ZEMS6000AV-IS-MOB-HET	HEAVY DUTY SEAT – AMERICAN STANDARD #5901.100, JUNCTION BOX - ZURN #P6000-MJ, POWER CONVERTER - ZURN #P#6000-HW6	1"	---	4"	---	2"	INTEGRAL	WATER CLOSET - ADA COMPLIANT, 28-1/4"x14"x16-1/2"H. FLOOR MTD, 10" ROUGH IN, ELONGATED BOWL, VITREOUS CHINA, INTEGRAL STOPS AND TRAP, SIPHON JET, 1,000G MaP SCORE, 1-1/2" EXPOSED TOP SPUD, SEAT - OPEN FRONT SEAT, SELF SUSTAINING HINGES, LESS COVER, FLUSH VALVE - 1.28 GPF, EXPOSED, HARDWIRED SENSOR OPERATED, CHROME PLATED POLISHED EXTERIOR, DIAPHRAGM-TYPE VALVE, AQUAVANTAGE TPE CHLORAMINE RESISTANT, DUAL SEAL DIAPHRAGM WITH CLOG RESISTANT, TRIPLE FILTERED BY-PASS. HIGH BACK PRESSURE VACUUM BREAKER, CONTROL STOP, VANDAL RESISTANT, 6 VDC MOTOR ACTUATOR, INTEGRAL INFRARED CONVERGENCE-TYPE PROXIMITY SENSOR AND MANUAL PUSH BUTTON OVERRIDE, INCLUDE JUNCTION BOX AND POWER CONVERTER	
WC-2	WATER CLOSET - AMERICAN STANDARD "MADERA" #3451.001, FLUSH VALVE - ZURN #ZEMS6000AV-IS-MOB-HET,	HEAVY DUTY SEAT – AMERICAN STANDARD #5901.100, JUNCTION BOX - ZURN #P6000-MJ, POWER CONVERTER - ZURN #P#6000-HW6	1"	---	4"	---	2"	INTEGRAL	WATER CLOSET - 28-1/4"x14"x15"H, FLOOR MTD, 10" ROUGH IN, VITREOUS CHINA, ELONGATED BOWL, INTEGRAL STOPS AND TRAP, SIPHON JET, 1,000G MaP SCORE, 1-1/2" EXPOSED TOP SPUD, SEAT - OPEN FRONT SEAT, SELF SUSTAINING HINGES, LESS COVER, FLUSH VALVE - 1.28 GPF, EXPOSED, HARDWIRED SENSOR OPERATED, CHROME PLATED POLISHED EXTERIOR, DIAPHRAGM-TYPE VALVE, AQUAVANTAGE TPE CHLORAMINE RESISTANT, DUAL SEAL DIAPHRAGM WITH CLOG RESISTANT, TRIPLE FILTERED BY-PASS. HIGH BACK PRESSURE VACUUM BREAKER, CONTROL STOP, VANDAL RESISTANT, 6 VDC MOTOR ACTUATOR, INTEGRAL INFRARED CONVERGENCE-TYPE PROXIMITY SENSOR AND MANUAL PUSH BUTTON OVERRIDE, INCLUDE JUNCTION BOX AND POWER CONVERTER	
UR-1	URINAL – AMERICAN STANDARD #6002.001 PINTBROOK, FLUSH VALVE – ZURN #ZEMS6003AV-IS-MOB-EWS,	JUNCTION BOX - ZURN #P#6000-MJ, POWER CONVERTER - ZURN #P#6000-HW6,	3/4"	---	2"	---	2"	INTEGRAL	URINAL - ADA COMPLIANT, 14-5/16"x14-7/16"x22-5/8"H, 0.5 GPF, LOWER LIP MOUNTED 17" FROM FINISHED FLOOR, VITREOUS CHINA, WASHOUT ACTION, INTEGRAL TRAP, 2" NPT OUTLET, 3/4" EXPOSED TOP SPUD FLUSH VALVE - 0.5 GPF, EXPOSED, HARDWIRED SENSOR OPERATED, CHROME PLATED POLISHED EXTERIOR, DIAPHRAGM-TYPE VALVE, AQUAVANTAGE TPE CHLORAMINE RESISTANT, DUAL SEAL DIAPHRAGM WITH CLOG RESISTANT, TRIPLE FILTERED BY-PASS. HIGH BACK PRESSURE VACUUM BREAKER, CONTROL STOP, VANDAL RESISTANT, 6 VDC MOTOR ACTUATOR, INTEGRAL INFRARED CONVERGENCE-TYPE PROXIMITY SENSOR AND MANUAL PUSH BUTTON OVERRIDE, INCLUDE JUNCTION BOX AND POWER CONVERTER	
UR-2	URINAL – AMERICAN STANDARD #6002.001 PINTBROOK, FLUSH VALVE – ZURN #ZEMS6003AV-IS-MOB-EWS,	JUNCTION BOX - ZURN #P6000-MJ, POWER CONVERTER - ZURN #P#6000-HW6,	3/4"	---	2"	---	2"	INTEGRAL	URINAL - STANDARD HEIGHT, 14-5/16"x14-7/16"x22-5/8"H, 0.5 GPF, LOWER LIP MOUNTED 24" FROM FINISHED FLOOR, VITREOUS CHINA, WASHOUT ACTION, INTEGRAL TRAP, 2" NPT OUTLET, 3/4" EXPOSED TOP SPUD FLUSH VALVE - 0.5 GPF, EXPOSED, HARDWIRED SENSOR OPERATED, CHROME PLATED POLISHED EXTERIOR, DIAPHRAGM-TYPE VALVE, AQUAVANTAGE TPE CHLORAMINE RESISTANT, DUAL SEAL DIAPHRAGM WITH CLOG RESISTANT, TRIPLE FILTERED BY-PASS. HIGH BACK PRESSURE VACUUM BREAKER, CONTROL STOP, VANDAL RESISTANT, 6 VDC MOTOR ACTUATOR, INTEGRAL INFRARED CONVERGENCE-TYPE PROXIMITY SENSOR AND MANUAL PUSH BUTTON OVERRIDE, INCLUDE JUNCTION BOX AND POWER CONVERTER	
LV-1	LAVATORY – AMERICAN STANDARD "TOWNSEND" #0330.000 FAUCET – SLOAN #ETF-410-BOX-BDT-GR-0.5GPM-MLM-FCT,	OFFSET DRAIN – ZURN #Z8746-PC, P-TRAP – ZURN #Z8700LC-PC, SUPPLY STOPS – ZURN #Z8800-XL-LR-PC.	1/2"	1/2"	2"	---	2"	1-1/4"	LAVATORY - ADA COMPLIANT, 19-1/2"x13-5/8" (17-3/4"x11-5/8"x4-1/2"D INSIDE), COUNTER UNDERMOUNT, WHITE VITREOUS CHINA, UNGLAZED RIM ONE FAUCET HOLE CENTERED, FAUCET - 0.5 GPM, HARDWIRED SENSOR OPERATED, CAST BRASS SPOUT, BLACK GRAPHITE FINISH, LEAD FREE NSF 61 CERTIFIED, 3-1/2" SPOUT HEIGHT, 5-1/2" SPOUT REACH, MULTI-LAMINAR SPRAY OUTLET, INCLUDES BELOW DECK ASSE 1070 THERMOSTATIC MIXING VALVE, BOX TRANSFORMER POWER SUPPLY	
EW-1	ELKAY #JZST18WSLK,	BI-LEVEL CARRIER – ELKAY #MLP200, P-TRAP – ZURN #Z8700B-PC, SINGLE SUPPLY STOP (WHEEL HANDLE) – MCGUIRE #LFST12, FILTER CARTRIDGE – ELKAY #51300C, GFCl RECEPTACLE – 115V/60Hz/1PH, 5.0 FLA, 370 RATED WATTS.	1/2"	---	2"	---	2"	1-1/4"	ELECTRIC WATER COOLER - ADA COMPLIANT, 36-3/4"x19"x39-1/16"H. SPLIT LEVEL, BARRIER FREE, LEAD FREE, WALL MOUNTED, ELECTRONIC SENSOR ACTIVATED BOTTLE FILLER STATION, 8 GPH OF 50F WATER AT 90°F AMBIENT AND 80°F INLET WATER, MECHANICAL PUSH-BUTTON ACTIVATION WITH ANTI-MICROBIAL PUSH PADS, FILTER CERTIFIED TO NSF 42 AND 53, LIGHT GRAY GRANITE FINISH	
JS-1	MOP SINK – STERN-WILLIAMS #MTB-2424 FAUCET – T&S BRASS #B-0658,	MOP HANGER – STERN-WILLIAMS #T-40, RUBBER HOSE AND HANGER – STERN-WILLIAMS #T-35, (2) SPLASH PANELS – STERN-WILLIAMS #BP-2.24.	1/2"	1/2"	3"	---	2"	3"	MOP SINK – 24" x 24" x 12", FLOOR MOUNTED. PRECAST TERRAZZO. STAINLESS STEEL CAPS. FAUCET – 8" WALL MOUNT MIXING FAUCET WITH POLISHED CHROME PLATED BRASS BODY, POLISHED CHROME PLATED BRASS SPOUT WITH ASSE 1001 CERTIFIED VACUUM BREAKER, PAIL HOOK AND GARDEN HOSE MALE OUTLET. COMPRESSION CARTRIDGES WITH SPRING CHECKS, 6" WRIST ACTION HANDLES. 1/2" NPT FEMALE INLETS. LOOSE KEY STOPS. UPPER SUPPORT ROD. 8.90 GPM @ 60 PSI. 20 – 125 PSI PRESSURE RANGE. 40°F – 140°F TEMPERATURE RANGE. CERTIFIED TO ASME A112.18.1/CSA B125.1, NSF 61 SECTION 9, AND NSF 372. MEETS ADA ANSI/ICC A117.1 REQUIREMENTS.	
FD-1	ZURN #Z415B,	TRAP SEAL - ZURN #1072-3,	---	---	SEE PLAN	---	2"	SEE PLAN	FLOOR DRAIN - 6"D ROUND STRAINER WITH POLISHED NICKEL-BRONZE FINISH, DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND TYPE B HEEL-PROOF, LIGHT DUTY STRAINER	
FD-2	ZURN #Z415S,	TRAP SEAL - ZURN #1072-3,	---	---	SEE PLAN	---	2"	SEE PLAN	FLOOR DRAIN - 6" SQUARE STRAINER WITH POLISHED NICKEL-BRONZE FINISH, LAQUERED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND TYPE S SQUARE HEEL-PROOF, LIGHT DUTY STRAINER	

PLUMBING ACCESSORY			
ID	BASIS OF DESIGN MANUFACTURER & MODEL	UTILITY CONNECTION	SPECIFICATION
ET-1	AMTROL™ THERM-X-TROL™ #ST-SC-DD,	3/4" CW	EXPANSION TANK - 8"Dx14"H, 0.9 GAL MAX ACCEPTANCE VOLUME, 0.36 GAL DESIGN ACCEPTANCE VOLUME, 150 PSI WORKING PRESSURE, 3/4" NPT THREADED CONNECTION, DEEP DRAWN BUTYL DIAPHRAGM, NSF 61 CERTIFIED, PROVIDE FULL PORT ISOLATION BALL VALVE AT CONNECTION TO CW
MV-1	CALEFFI #S21519AC,	1/2"CW INLET, 1/2"HW INLET, 1/2"TW OUTLET	MIXING VALVE - 5-7/8"x7", 1/2" INLET/OUTLET SIZE, SWEAT CONNECTIONS, ASSE 1017 CERTIFIED, THERMOSTATIC, BRASS BODY, NSF 372 CERTIFIED, ADJUSTABLE TEMPERATURE RANGE 85-150F, DESIGN OUTLET TEMP 120F, MIN RECOMMENDED FLOW RATE 1.0 GPM, MIN TEMPERATURE DIFFERENTIAL BETWEEN HOT/COLD 27F, MAX RECOMMENDED PRESSURE DIFFERENTIAL 20 PSI, ADJUSTABLE MANUAL OUTLET SETPOINT WITH LOCKING HANDLE, INCLUDES INTEGRAL CHECK VALVES, ADD OPTIONAL OUTLET TEMPERATURE GAUGE
WCO	CLEANOUT TEE - ZURN #Z1445, ACCESS COVER - ZURN #Z1469-7-VP,	SAME SIZE AS LINE, MAX 4"	WALL CLEANOUT - 4", DURA COATED CAST IRON BODY WITH GAS AND WATERTIGHT ABS THREAD PLUG, ROUND STAINLESS STEEL ACCESS COVER WITH SECURING SCREW, 7" DIAMETER, INCLUDE OPTIONAL VANDAL PROOF SCREW
FOO	ZURN #Z1400-BZ1,	SAME SIZE AS LINE, MAX 4"	FLOOR CLEANOUT - OUTLET SIZE SAME SIZE AS PIPE, 6-8/32" ROUND POLISHED NICKEL BRONZE TOP, DURA COATED DUTY CAST IRON BODY, GAS AND WATER TIGHT THREADED ABS TAPERED PLUG, POLISHED NICKEL BRONZE TOP, ASME LOAD CLASSIFICATION LIGHT DUTY RATED COVER (<2,000 LBS), NEO-LOC OUTLET, EZ1 TOP ASSEMBLY FOR SIMPLIFIED INSTALLATION WITH CONCRETE SHIELD AND PRE-PACKAGED SHIMS
DCOTG	CLEANOUT CAP - ZURN #Z1400-T CLEANOUT FITTING - CHARLOTTE PIPE #SV72,,	SAME SIZE AS LINE, MAX 4"	DOUBLE CLEANOUT TO GRADE - SAME SIZE AS LINE, MAX. 4 INCH, CLEANOUT CAP - 5-1/8" ROUND SCORIATED CAST IRON TOP, DURA COATED CAST IRON BODY, GAS AND WATER TIGHT THREADED ABS TAPERED PLUG, ASME LOAD CLASSIFICATION EXTRA HEAVY DUTY RATED COVER (7,500-10,000 LBS), SQUARE TOP, NEO-LOC OUTLET, ADJUSTABLE TO FINISHED FLOOR. TWO WAY CLEANOUT FITTING - BASIS OF DESIGN CHARLOTTE

PLUMBING EQUIPMENT									
ID	Basis of Design	ELECTRICAL						SPECIFICATION	
	MANUFACTURER & MODEL	UTILITY CONNECTIONS	CONNECTION TYPE	VOLTAGE	PHASE	POWER	AMPS		
WH-1	RHEEM #EGSP15 OPTIONAL MOUNTING KIT: RHEEM #AS36111,	1/2" CW, 1/2" HW	HARDWIRED WITH GFCI PROTECTION	208 V	1	1.5 kW	7.2 A	WATER HEATER - ELECTRIC, 15 GAL, 10 GPH @ 60°F RISE, 17-3/4"DIA 24-1/4"H, TANK TYPE, HIGH-TEMP PORCELAIN ENAMEL TANK LINING, MAGNESIUM ANODE ROD RIGIDLY SUPPORTED, 150 PSI WORKING PRESSURE RATING, COPPER RESTORED SCREW-IN ELEMENTS, 1 HEATING ELEMENT, TWO WIRE SINGLE PHASE OPERATION, INSULATED WITH RIGID POLYURETHANE FOAM, SURFACE MOUNTED THERMOSTATS WITH INTEGRAL MANUAL RESET, HIGH LIMIT CONTROL, CSA/ASME RATED T&P RELIEVE VALVE, UL SEAL OF CERTIFICATION, COMPLETELY FACTORY ASSEMBLED KIT INCLUDES: WALL SUPPORT BRACKETS, TOP SUPPORT BRACKET, SCREWS AND MOUNTING BOLTS, RUGGED STEEL CONSTRUCTION, DESIGNED FOR USE WITH 6,10,15 AND 20 GAL. MODELS, MOUNTS TO WALLS WITH 16 IN. STUD CENTERS	

WATER HAMMER ARRESTOR						
P.D.I. UNITS	A	B	C	D	E	F
FIXTURE UNITS	1-11	12-32	33-60	61-113	114-154	155-330

WADE "SHOCKSTOP" #4481 SERIES WATER HAMMER ARRESTOR, SEAMLESS COPPER CONSTRUCTION, POLYPROPYLENE PASTE, (2) EPDM O-RINGS, MNPT CONNECTION, MAX. PRESS. 350 PSI, MAX. TEMP. 250°F, PROVIDE PROPERLY SIZED WATER HAMMER ARRESTORS AND LOCATE ON PIPING IMMEDIATELY UPSTREAM OF ALL QUICK CLOSING VALVES (E.G. FLUSH VALVES, DISHWASHER, ICE MAKERS, SOLENOID VALVES, ETC.)



PHILANDER
SMITH
UNIVERSITY

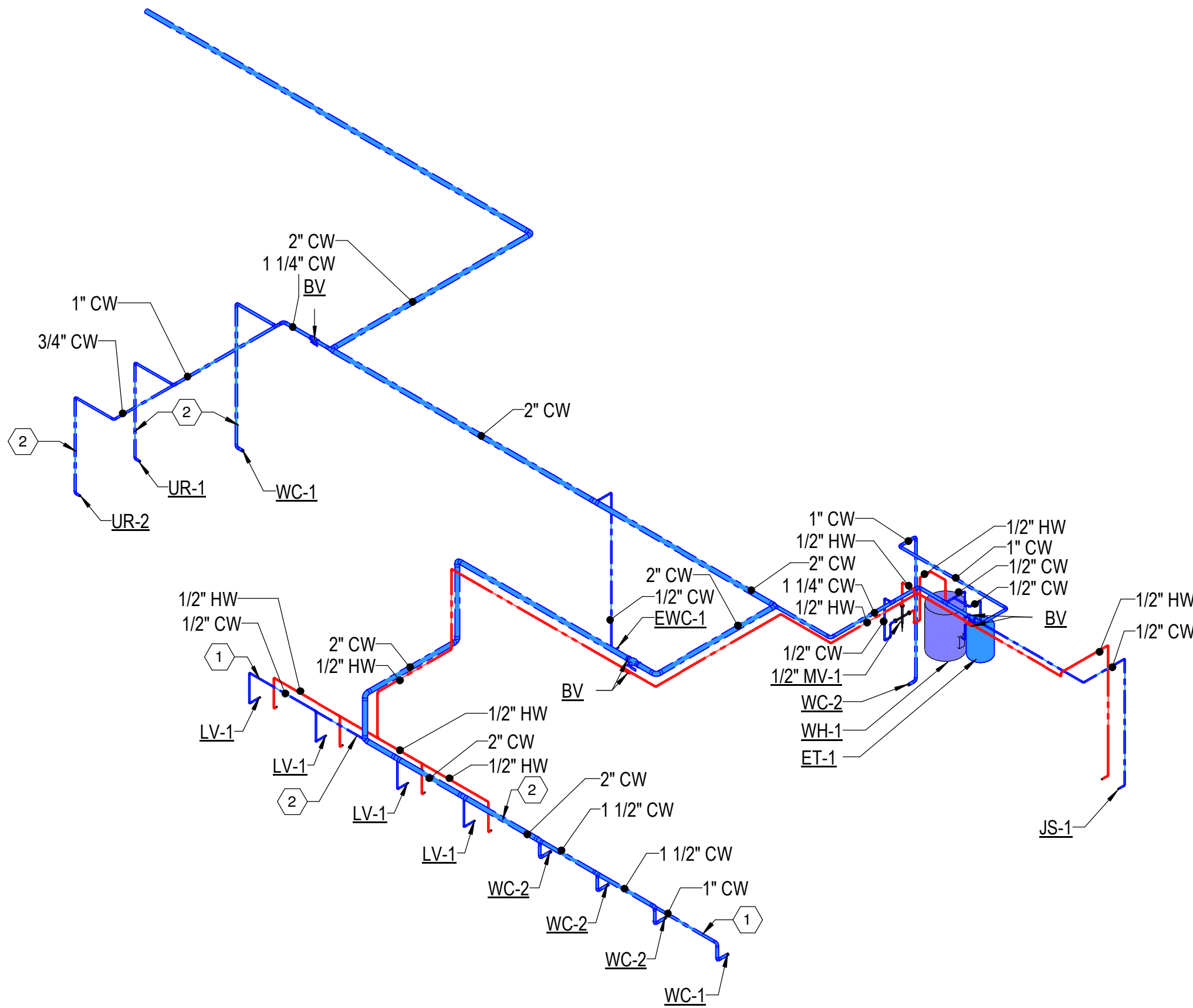
M.L. HARRIS
AUDITORIUM
RENOVATION

GENERAL NOTES

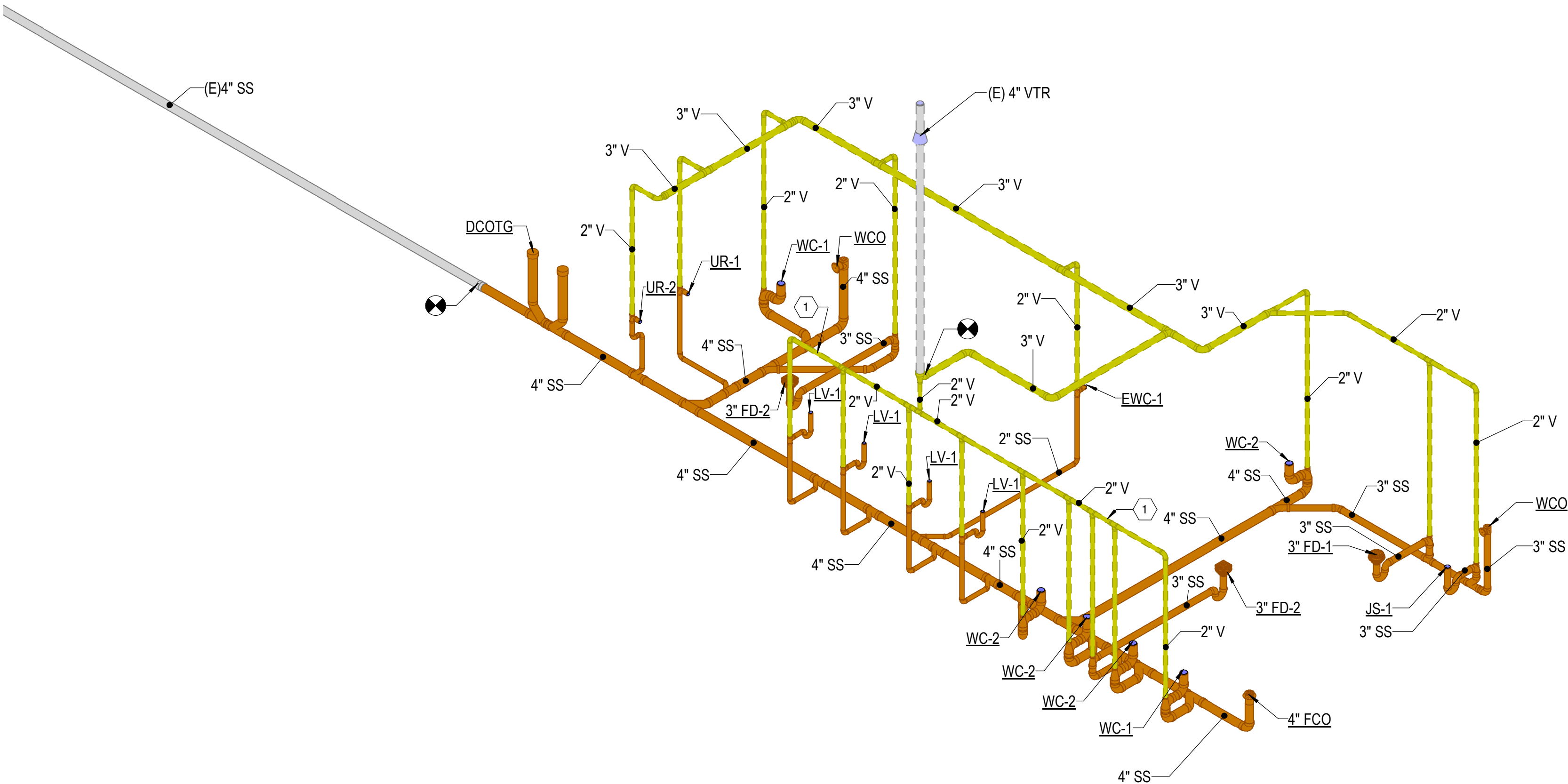
- 1 REFER TO SHEET P-001 FOR LEGEND AND NOTES.

KEYED NOTES

- 1 ALL PIPING ALONG EXTERIOR WALL MUST BE ROUTED BELOW EXISTING WINDOWS.
2 ALL WATER PIPING INSTALLED ON AN EXTERIOR WALL SHALL HAVE MIN 2" INSULATION TO PREVENT FREEZING PIPES.



1 ENLARGED DOMESTIC WATER RISER - TOILET ROOMS



2 ENLARGED DRAIN, WASTE, & VENT RISER - TOILET ROOMS

CONSTRUCTION
DOCUMENTS

No.	Date	Description

Stamp

CROMWELL ARCHITECTS/ENGINEERS #5

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 23853

03-02-2026

Notes

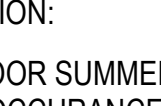
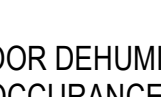
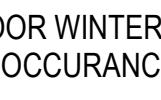
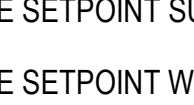
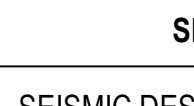
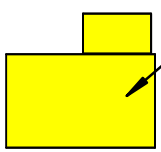
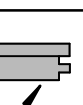
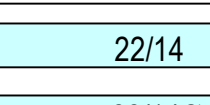
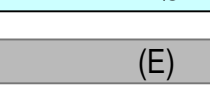
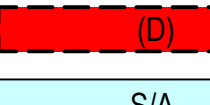
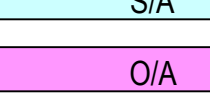
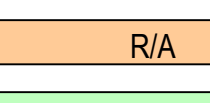
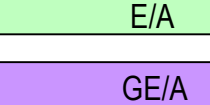
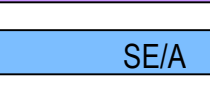
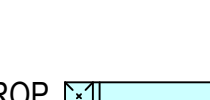
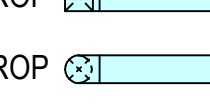
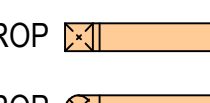
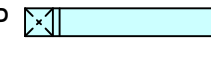
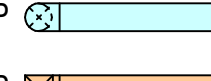
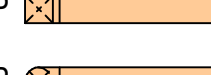
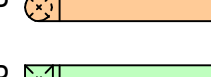
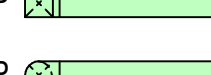
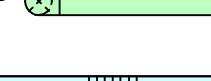
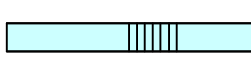
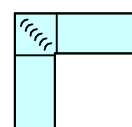
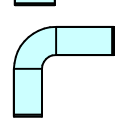
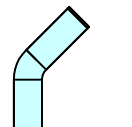
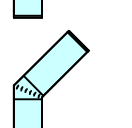
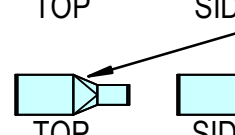
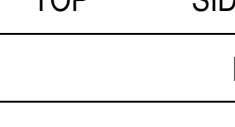
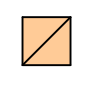
1. CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED
2. THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.

Project Number 2024-060
Issue Date 03-02-2026
Sheet Title

PLUMBING RISER

Sheet Number

P-901

ABBREVIATIONS		
AFF	ABOVE FINISHED FLOOR	MBH THOUSAND BTUS PER HOUR
AHU	AIR HANDLING UNIT	MCA MINIMUM CIRCUIT AMPS
BHP	BRAKE HORSE POWER	MOCp MAXIMUM OVER CURRENT
BTU	BRITISH THERMAL UNIT	PROTECTION
CFM	CUBIC FEET PER MINUTE	NC NORMALLY CLOSED
CV	CONSTANT VOLUME	NO NORMALLY OPENED
CU	CONDENSING UNIT	NTS NOT TO SCALE
DB	DRY BULB TEMPERATURE (°F)	OA OUTSIDE AIR
DDC	DIRECT DIGITAL CONTROLS	PSI POUNDS PER SQUARE INCH
DOAS	DEDICATED OUTSIDE AIR SYSTEM	PSIG PSI GAUGE
DN	DOWN	PVC POLYVINYL CHLORIDE PIPE
EAT	ENTERING AIR TEMPERATURE	RA RETURN AIR
EF	EXHAUST FAN	RH RELATIVE HUMIDITY
ESP	EXTERNAL STATIC PRESSURE	RHC REHEAT COIL
EWT	ENTERING WATER TEMPERATURE	RLA RUNNING LOAD AMPS
FCU	FAN COIL UNIT	RPM REVOLUTIONS PER MINUTE
FD	FIRE DAMPER	RS/RL REFRIGERANT SUCTION & LIQUID LINES
FLA	FULL LOAD AMPS	RTU ROOFTOP AIR HANDLING UNIT
FPI	FINS PER INCH	SA SUPPLY AIR
FPM	FEET PER MINUTE	SF SUPPLY FAN
GPM	GALLONS PER MINUTE	SP STATIC PRESSURE
IV	INTAKE VENTILATOR	TSP TOTAL STATIC PRESSURE
KW	KILOWATT	TSP TOTAL STATIC PRESSURE
LAT	LEAVING AIR TEMPERATURE	VAV VARIABLE AIR VOLUME
LRA	LOCKED ROTOR AMPS	VRF VARIABLE REFRIGERANT FLOW
LWT	LEAVING WATER TEMPERATURE	VVF VARIABLE FREQUENCY DRIVE
		WB WET BULB TEMPERATURE (°F)
GENERAL MECHANICAL SYMBOLS		
	REVISION NUMBER SHOWN ON PLANS	
	POINT WHERE NEW CONNECTS TO EXISTING	
	DEMOLISH TO POINT INDICATED	
	NUMBER OF DETAIL ON SHEET NUMBER OF SHEET WHERE DETAIL APPEARS	
	KEYNOTE	
	<u>CONTINUATION SYMBOLS:</u>	
	PIPE	
	ROUND DUCT	
	RECTANGULAR DUCT	
SPACE TAG:		
	OFFICE → SPACE NAME	
	101 → SPACE NUMBER	
	100 SF → SPACE AREA	
	ITEM TO BE DEMOLISHED	
	AREA NOT IN CONTRACT	
HVAC ENERGY DESIGN CONDITIONS		
LOCATION:	LITTLE ROCK, AR	
OUTDOOR SUMMER (0.4% OCCURRENCE):	100°F DB / 78°F WB	
OUTDOOR DEHUMIDIFICATION (0.4% OCCURRENCE):	85°F DB / 79°F WB	
OUTDOOR WINTER (99.6% OCCURRENCE):	15°F DB	
INSIDE SETPOINT SUMMER:	75°F DB / 50% MAX RH.	
INSIDE SETPOINT WINTER:	70°F DB	
SEISMIC DESIGN CONDITIONS		
1.	SEISMIC DESIGN DATA: A. SEISMIC DESIGN CATEGORY: C B. MECHANICAL COMPONENTS IMPORTANCE FACTOR: 1.0	
2.	SEISMIC RESTRAINTS ARE NOT REQUIRED FOR THE MECHANICAL COMPONENTS AND SYSTEMS PER THE REQUIREMENTS FOR THE INTERNATIONAL BUILDING CODE (IBC) AS DEFINED PER ASCE 7 - SECTION 13.6.	
3.	REFER TO THE SPECIFICATIONS.	
MECHANICAL SHEET SET NOTE		
* NOTE *		
ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THE CONTAINED REFERENCE DRAWINGS.		
MECHANICAL EQUIPMENT TAGS		
	RTU-XX	EQUIPMENT MARK ID
	EVAV-XX	EQUIPMENT MARK ID
	200 CFM	EQUIPMENT AIRFLOW
	EVAV-XX	EQUIPMENT MARK ID
MECHANICAL PHASING		
	NEW CONSTRUCTION MECHANICAL EQUIPMENT (TYPICAL TAG FOR ALL NEW CONSTRUCTION)	
	EXISTING MECHANICAL EQUIPMENT (TYPICAL FOR ALL EXISTING TAGS)	
	MECHANICAL EQUIPMENT FOR DEMOLITION (TYPICAL FOR ALL DEMOLITION TAGS)	
(E)EVAV-XX		
(D)EVAV-XX		
HVAC DUCTWORK LEGEND		
	SQUARE DUCT SIZE TAG (WIDTH x HEIGHT)	
	OVAL DUCT SIZE TAG (WIDTH / HEIGHT)	
	ROUND DUCT SIZE TAG (DIAMETER)	
	EXISTING DUCT TAG	
	DUCT BEING DEMOLISHED	
	SUPPLY AIR	
	OUTSIDE AIR	
	RETURN AIR	
	EXHAUST AIR	
	GREASE EXHAUST AIR	
	LAB & SPECIALTY EXHAUST AIR	
DROP 	RECTANGULAR SUPPLY/OUTSIDE AIR DUCT RISE	
DROP 	ROUND SUPPLY/OUTSIDE AIR DUCT RISE	
DROP 	RECTANGULAR RETURN AIR DUCT RISE	
DROP 	ROUND RETURN AIR DUCT RISE	
DROP 	RECTANGULAR EXHAUST AIR DUCT RISE	
DROP 	ROUND EXHAUST AIR DUCT RISE	
	FLEXIBLE CONNECTION	
	90° ELBOW W/ TURNING VANE	
	90° BEND, ROUND DUCT	
	45° BEND, ROUND DUCT	
	45° RECTANGULAR DUCT	
	30° OR LESS FOR ALL SIMILAR FITTINGS	
	RECTANGULAR TRANSITION	
	RECTANGULAR TRANSITION	
HVAC GRILLES/DIFFUSERS		
	SUPPLY DIFFUSER (SEE PLANS OR SCHEDULE FOR SIZES)	
	RETURN GRILLE (SEE PL	

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH THE 2021 EDITION OF THE "INTERNATIONAL MECHANICAL CODE," THE 2014 EDITION OF THE "ARKANSAS ENERGY CODE," NFPA 90A, AND ALL CITY, STATE, AND LOCAL REQUIREMENTS.
2. CONTRACT DOCUMENTS INCLUDING BOTH PLANS AND THE PROJECT MANUAL/SPECIFICATIONS. REFER TO THE PROJECT MANUAL/SPECIFICATIONS FOR ALL REQUIREMENTS NOT INDICATED ON THE PLANS AND VICE-VERSA. WHERE CONFLICTS EXIST, THE MOST STRINGENT SHALL TAKE PRECEDENCE. THE CONTRACTOR SHALL STUDY THE PLANS.
3. REFER TO ARCHITECTURAL PLANS FOR:
- a. REFLECTED CEILING PLAN FOR EXACT LOCATION OF AIR DEVICES AND CEILING TYPES.
 - b. EXACT LOCATIONS AND MOUNTING HEIGHTS OF EXTERIOR LOUVERS.
 - c. FIRE-RATED WALLS AND PARTITIONS. PROVIDE FIRE DAMPERS IN DUCT PENETRATIONS OF ALL FIRE RATED WALLS AND PARTITIONS AS NECESSARY TO MEET CITY AND STATE REQUIREMENTS.
 - d. ALL WALL AND ROOF PENETRATIONS AND EQUIPMENT MOUNTING DETAILS.
4. DUCTWORK SHALL BE CONSTRUCTED FROM GALVANIZED STEEL IN CONFORMANCE WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS," LATEST EDITION.
5. UL LISTED FLEXIBLE DUCT RUN-OUTS MAY BE USED BUT SHALL NOT EXCEED 5'-0" IN LENGTH. ALL FLEXIBLE DUCT TO BE PROPERLY SUPPORTED WITH NO KINKS OR HARD BENDS.
6. DUCT FITTINGS:
- a. SUPPLY TAKE-OFFS TO CEILING SUPPLY DIFFUSERS TO BE CONICAL TAP OR 45° SIDE TAP.
 - b. ALL DUCT RUN-OUTS SHALL HAVE LOCKING QUADRANT VOLUME DAMPERS. PROVIDE STAND-OFF BRACKET TO ACCOMMODATE INSULATION THICKNESS. ALL 90° BOUND ELBOWS TO HAVE DUCT-15 (UNLESS OTHERWISE NOTED).
 - c. ALL EXHAUST/RETURN ELBOWS 45° OR GREATER SHALL HAVE TURNING VANES (UNLESS OTHERWISE NOTED).
 - d. PROVIDE HARD MTER WHEN TRANSITIONING FROM RIGID TO FLEXIBLE DUCT WHEN CONNECTING TO AIR DEVICES. REFER TO DETAIL.
7. DUCTWORK TO BE COORDINATED WITH STRUCTURAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION, COMPONENTS AND SYSTEMS. ALL DUCTWORK THAT HAS TO BE OFFSET DUE TO AN OBSTRUCTION SHALL BE SLOPED WITH 2:30" ELBOWS UNLESS OTHERWISE NOTED.
8. PROVIDE ACCESS PANELS IN CEILINGS OTHER THAN LAY-IN TYPE WHERE NECESSARY:
- a. CLOSELY COORDINATE LOCATIONS AND SIZE OF ACCESS PANELS WITH INSTALLED EQUIPMENT TO ACHIEVE GREATEST ACCESSIBILITY FOR MAINTENANCE PURPOSES.
 - b. PROVIDE ACCESS PANELS AT BALANCING DAMPERS, FIRE DAMPERS, CONTROLS, VALVES, TRAPS, CLEAN OUTS, ETC.
 - c. PROVIDE ACCESS PANELS FOR GREASE DUCTS, AS REQUIRED BY NFPA 96, FOR CLEANING PURPOSES, AT CHANGES IN DIRECTION, ETC.
9. COMPLETELY INSULATE THE TOPS OF ALL CEILING DIFFUSERS.
10. CLOSELY COORDINATE LOCATIONS OF INSTALLED EQUIPMENT TO ACHIEVE THE GREATEST ACCESSIBILITY.
11. MAINTAIN 10'-0" MINIMUM CLEARANCE BETWEEN OUTSIDE AIR INTAKES AND ALL EXHAUST FANS, FLUES, PLUMBING VENTS, ETC.
12. ALL ROOF MOUNTED HVAC EQUIPMENT, INCLUDING BUT NOT LIMITED TO EXHAUST FANS, CONDENSING UNITS, AND ROOF-TOP UNITS, SHALL BE A MINIMUM OF 10' FROM THE ROOF'S EDGE, OR PARAPET, UNLESS OTHERWISE NOTED ON PLANS. IN SUCH CASE, THE CONTRACTOR SHALL COORDINATE WITH ARCHITECT TO PROVIDE SAFETY HANDRAILS AROUND ROOF MOUNTED HVAC EQUIPMENT THAT IS LOCATED LESS THAN 10' FROM ROOF'S EDGE, OR PARAPET.
13. PROVIDE FLEXIBLE CONNECTIONS AT INLETS AND OUTLETS OF ALL AIR HANDLING UNITS, MAKE-UP AIR UNITS, FURNACES, AND/OR EXHAUST FANS.
14. PROVIDE 4" CONCRETE PADS UNDER ALL GROUND MOUNTED CONDENSING UNITS. EACH PAD TO EXTEND A MINIMUM OF 6" BEYOND OUTLINE OF UNIT ON ALL SIDES.
15. ROOF MOUNTED CONDENSING UNITS SHALL BE PLACED ON PATE OR APPROVE EQUAL EQUIPMENT SUPPORTS, MODEL ES-2 W/ INSULATION, FIBER CANT, AND METAL CAP, MINIMUM 11" HIGH ABOVE ROOF DECK. MAKE WEATHER TIGHT.
16. PROVIDE 4" CONCRETE PADS UNDER ALL GROUND MOUNTED AIR HANDLING UNITS AND CHILLERS. EACH PAD TO EXTEND A MINIMUM OF 6" BEYOND OUTLINE OF UNIT ON ALL SIDES.
17. ATTIC MOUNTED AND ABOVE CEILING MOUNTED EQUIPMENT SUBJECT TO WATER/CONDENSATE OVERFLOW SHALL BE SET IN DRAIN PANS WITH DRAINS TO THE OUTSIDE OR SANITARY SEWER SYSTEM WITH VISIBLE DISCHARGE.
18. CONDENSATE PIPING SHALL BE COMPRISED OF TYPE "M," DWV COPPER, OR SCHEDULE 40 PVC. PVC EXPOSED TO SUNLIGHT SHALL HAVE UV RESISTANT COATING.
19. PROVIDE APPROVED, NON-FLAMMABLE PIPE INSULATION ON ALL INSULATED PIPES AND PIPES OF PVC MATERIAL PASSING THRU AREAS OF BUILDING WITH RETURN AIR FLEWMS.
20. ALL EXTERIOR EXPOSED PIPING SUSCEPTIBLE TO FREEZING, SUCH AS CONDENSATE PIPING, SHALL BE INSULATED WITH 1" FIBERGLASS PIPING INSULATION WITH 0.020" ALUMINUM JACKET AND HEAT TRACED AT 5 WATTS/FOOT. SEAL JACKET WATER-TIGHT.
21. COORDINATE WORK CLOSELY WITH CONTROL CONTRACTOR. PROVIDE ALL NECESSARY DUCT, PIPE TAPS, TEES, WELLS, CONTROL DAMPERS, AIR MEASURING STATIONS, AND OTHER ACCESSORIES REQUIRED BY CONTROL SYSTEM.
22. SLEEVE AND SEAL ALL PIPE AND DUCT PENETRATIONS THROUGH FIRE RATED AND NON-RATED SLABS AND PARTITIONS.
23. CONTRACTOR SHALL COORDINATE AS REQUIRED TO ENSURE THE HEIGHT OF ALL ROOF CURBS ON MEMBRANE TYPE ROOF SYSTEMS EXTENDS MINIMUM 12" ABOVE FINISHED FLOOR TO TOP OF THE CONTROL DEVICE.
24. ALL WALL-MOUNTED, OCCUPANT-CONTROLLED HVAC DEVICES, E.G., THERMOSTATS, HUMIDISTAT, CO2 CONTROLLERS, CONTROL PANELS, ETC., SHALL BE MOUNTED 4'-0" ABOVE FINISHED FLOOR TO THE TOP OF THE CONTROL DEVICE, ALIGNED WITH ELECTRICAL SWITCHES. CONTROLS LOCATED IN PUBLIC AREAS SHALL HAVE CLEAR PLASTIC LOCKING COVERS.

DEMOLITION NOTES

1. CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS INCLUDING, BUT NOT LIMITED TO:
- a. PIPE SIZES AND ROUTING.
 - b. EQUIPMENT CONNECTIONS AND LOCATIONS.
 - c. CONTROLS.
2. PROVIDE NECESSARY MODIFICATIONS TO NEW AND EXISTING SYSTEMS TO FACILITATE THE INSTALLATION AND INTERFACE OF NEW AND EXISTING SYSTEMS.
3. EXISTING SYSTEMS AND INFORMATION SHOWN ON THESE PLANS WERE DEVELOPED USING EXISTING BUILDING DRAWINGS AND NON-DESTRUCTIVE SITE OBSERVATIONS. CONTRACTOR SHALL FIELD VERIFY AT SITE ALL EXISTING SYSTEMS AND CONDITIONS PRIOR TO BID. THE CONTRACTOR SHALL MAKE ADJUSTMENTS AS NEEDED TO SUIT ACTUAL EXISTING SITE CONDITIONS AS REQUIRED TO ENSURE A COMPLETE, OPERABLE, AND WARRANTABLE INSTALLATION OF THE SCOPE OF WORK OF THIS PROJECT.
4. REMOVE PORTIONS OF EXISTING SYSTEMS BEING REMOVED OR ABANDONED. TERMINATE EXISTING SYSTEMS ABOVE CEILINGS AND BELOW FLOOR SLABS IN A MANNER THAT WILL NOT CONFLICT WITH NEW WORK. CLOSELY COORDINATE NEW WORK WITH EXISTING SYSTEMS. PROVIDE OFFSETS IN EXISTING AND NEW SYSTEMS AS REQUIRED TO AVOID CONFLICTS.
5. COORDINATE AND SCHEDULE ALL CONNECTIONS TO EXISTING SYSTEMS AND SYSTEM SHUT-DOWNS WITH MAINTENANCE PERSONNEL.
6. MAINTAIN EXISTING BUILDING SYSTEMS WITH PHASED DEMOLITION AND INSTALLATION OF NEW WORK, PROVIDING TEMPORARY SERVICES AS REQUIRED. USE EXISTING PIPING SYSTEM VALVES WHERE POSSIBLE TO ISOLATE SYSTEMS AND TO CAP EXISTING PIPING. REPLACE EXISTING VALVES WHERE NECESSARY WHEN EXISTING VALVES WILL NOT HOLD.
7. EXISTING EQUIPMENT BEING REMOVED AND DESIGNATED TO REMAIN THE PROPERTY OF THE OWNER SHALL BE DELIVERED UPON REMOVAL TO LOCATION DESIGNATED BY OWNER. ALL OTHER SYSTEM COMPONENTS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
8. REMOVE AND RELOCATE SMALL CONDUIT, CABLE, PIPE AND DUCT, PIPE AND CEILING HANGERS ETC. AS NECESSARY TO ACHIEVE A COMPLETE INSTALLED MECHANICAL SYSTEM AS SHOWN ON DRAWINGS.
9. PATCH ALL WALLS, FLOORS, ROOFS AND CEILINGS TO MATCH EXISTING OR NEW (IF APPLIED) FOR ALL OPENINGS CREATED BY DEMOLITION WORK OF EQUIPMENT AND HVAC SERVICE RETRACTION.
10. REPLACE AND/OR PATCH TO MATCH EXISTING; ANY EXISTING PIPE AND/OR DUCT INSULATION THAT IS TO REMAIN EXISTING AND IS DAMAGED OR REMOVED DURING CONSTRUCTION.
11. REFER TO ELECTRICAL PLANS FOR EXTENT OF DEMOLITION WORK RELATING TO WIRING FOR SUPPORT OF HVAC EQUIPMENT TO BE REMOVED.

1300 East 6th Street Little Rock, AR 72202
501.372.2900 cromwell.com



**PHILANDER
SMITH
UNIVERSITY**

M.L. HARRIS
AUDITORIUM
RENOVATION

CONSTRUCTION DOCUMENTS		
Revisions		
No.	Date	Description
Stamp		
  Notes <u>07-02-2026</u> - CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED. - THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING. Project Number _____ Issue Date 2024-060 Sheet Title 03-02-2026 MECHANICAL LEGEND AND SYMBOLS Sheet Number _____		

M-001

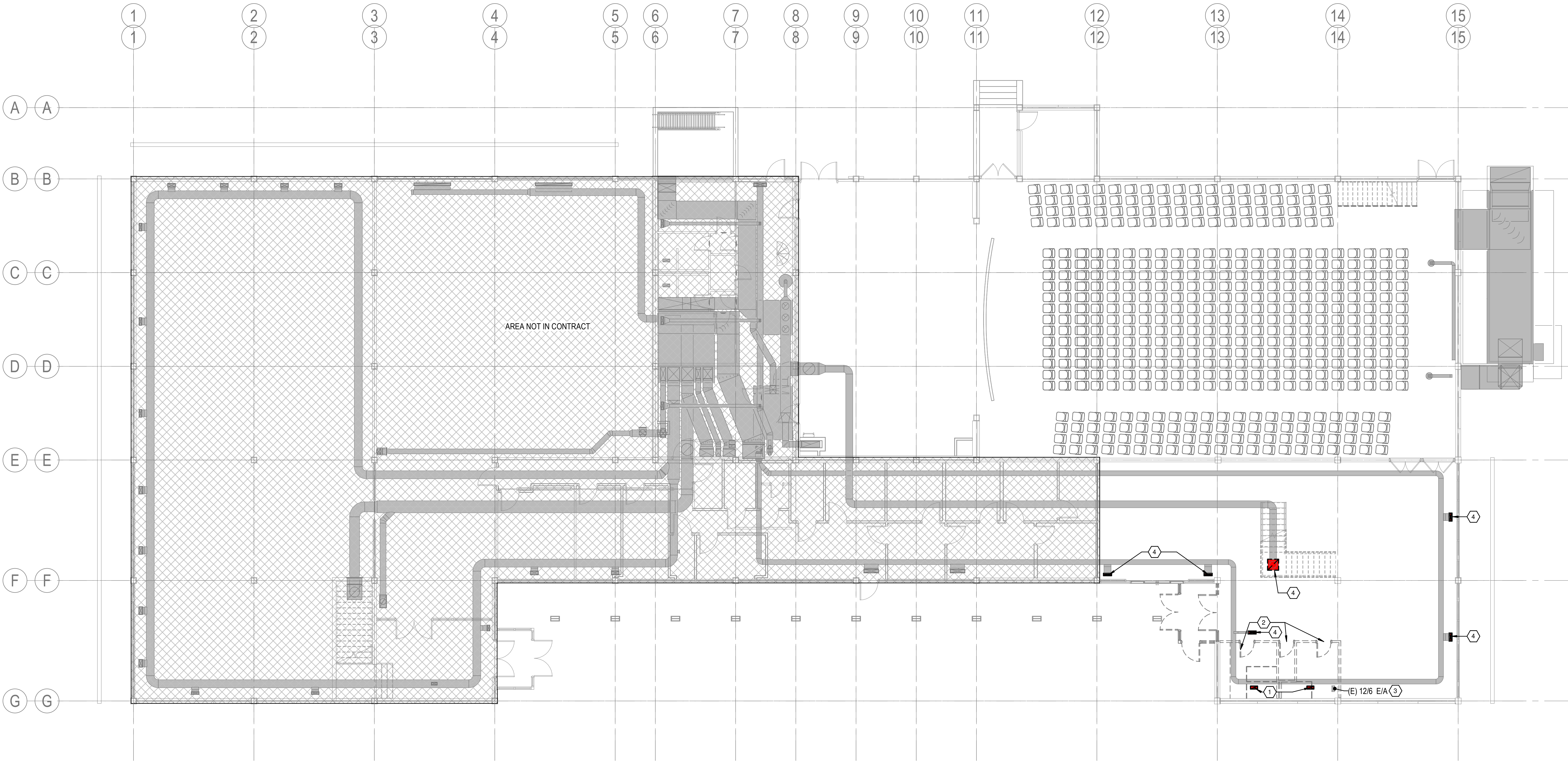
KEYED NOTES

- 1 DEMOLISH EXISTING EXHAUST GRILLES IN SOFFIT.
- 2 EXISTING DOOR GRILLES WILL BE DEMOLISHED WITH DOORS.
- 3 EXISTING EXHAUST DUCT ROUTED UP TO ROOF TO REMAIN.
- 4 DEMOLISH EXISTING FLOOR MOUNTED DIFFUSER AND CAP DUCT. COORDINATE WITH ARCHITECTURAL DRAWINGS AND FLOORING CONTRACTOR TO PATCH FLOOR OPENINGS TO RECEIVE NEW FLOORING.



PHILANDER
SMITH
UNIVERSITY

M.L. HARRIS
AUDITORIUM
RENOVATION



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

CONSTRUCTION DOCUMENTS		
No.	Date	Description

Stamp

CROMWELL ARCHITECTS/ENGINEERS, INC. #5
STATE OF ARKANSAS
PROFESSIONAL ENGINEER
No. 9395
03-02-2026

Notes

1. CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED
2. THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.

Project Number 2024-060
Issue Date 03-02-2026
Sheet Title

FIRST FLOOR DEMO PLAN

Sheet Number

MD101

KEYED NOTES

- 1 DEMOLISH EXISTING EXHAUST FAN AND PREPARE EXISTING ROOF CURB FOR INSTALLATION OF NEW CURB ADAPTER.
- 2 PROVIDE INSULATED CAP ON EXISTING CURB. SEAL WATERTIGHT.



PHILANDER
SMITH
UNIVERSITY

M.L. HARRIS
AUDITORIUM
RENOVATION

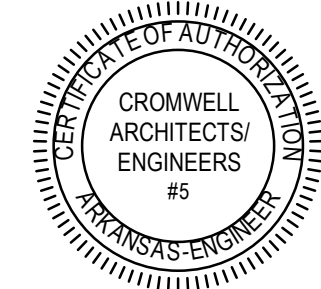
Design Phase

CONSTRUCTION DOCUMENTS

Revisions

No.	Date	Description

Stamp



03-02-2026

Notes

1. CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED
2. THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.

Project Number 2024-060

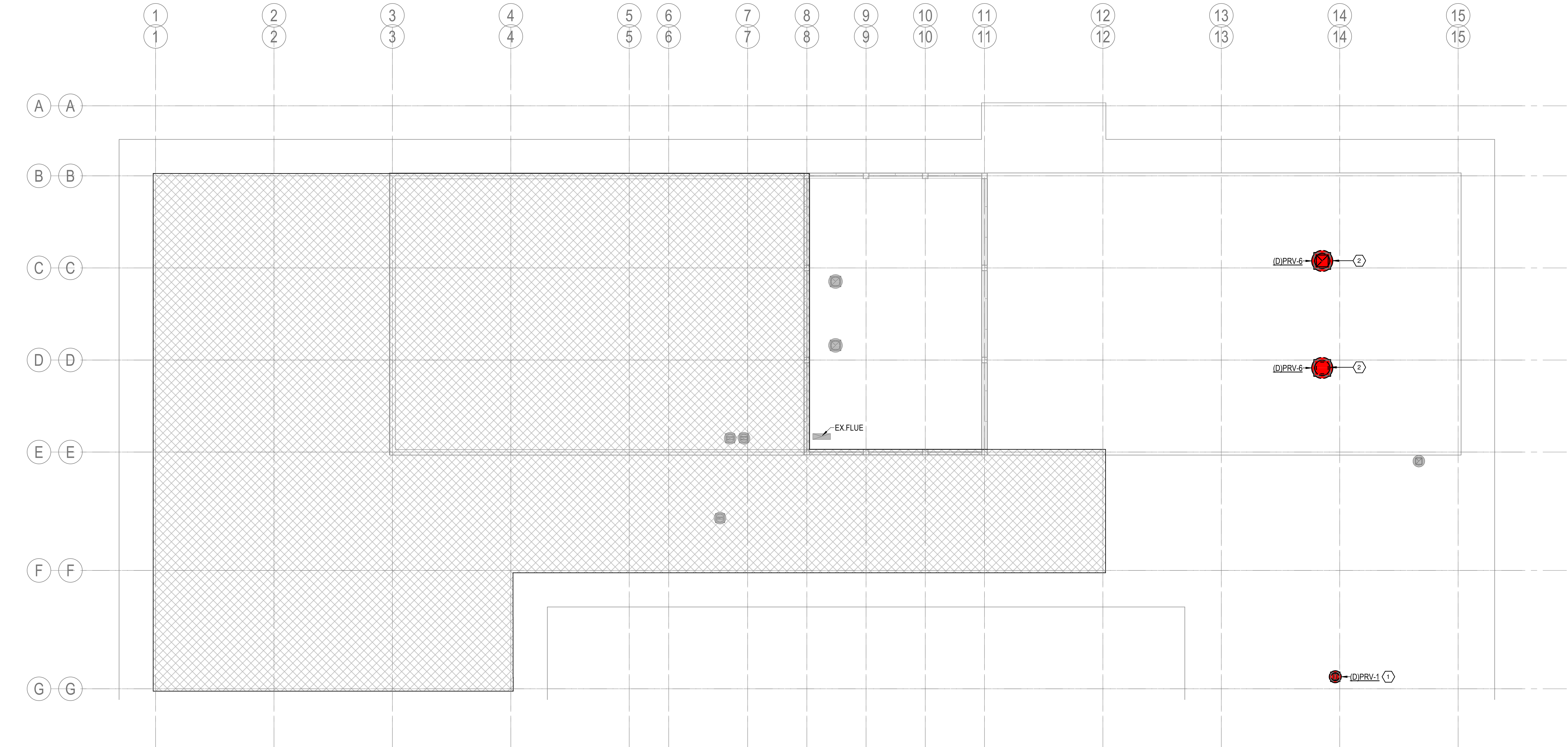
Issue Date 03-02-2026

Sheet Title

ROOF DEMO PLAN

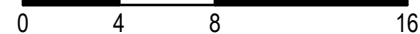
Sheet Number

MD103



1 ROOF DEMOLITION PLAN

1/8" = 1'-0"



GENERAL NOTES

1 REFER TO SHEET M-001 FOR MECHANICAL NOTES, ABBREVIATIONS, AND LEGEND SYMBOLS.

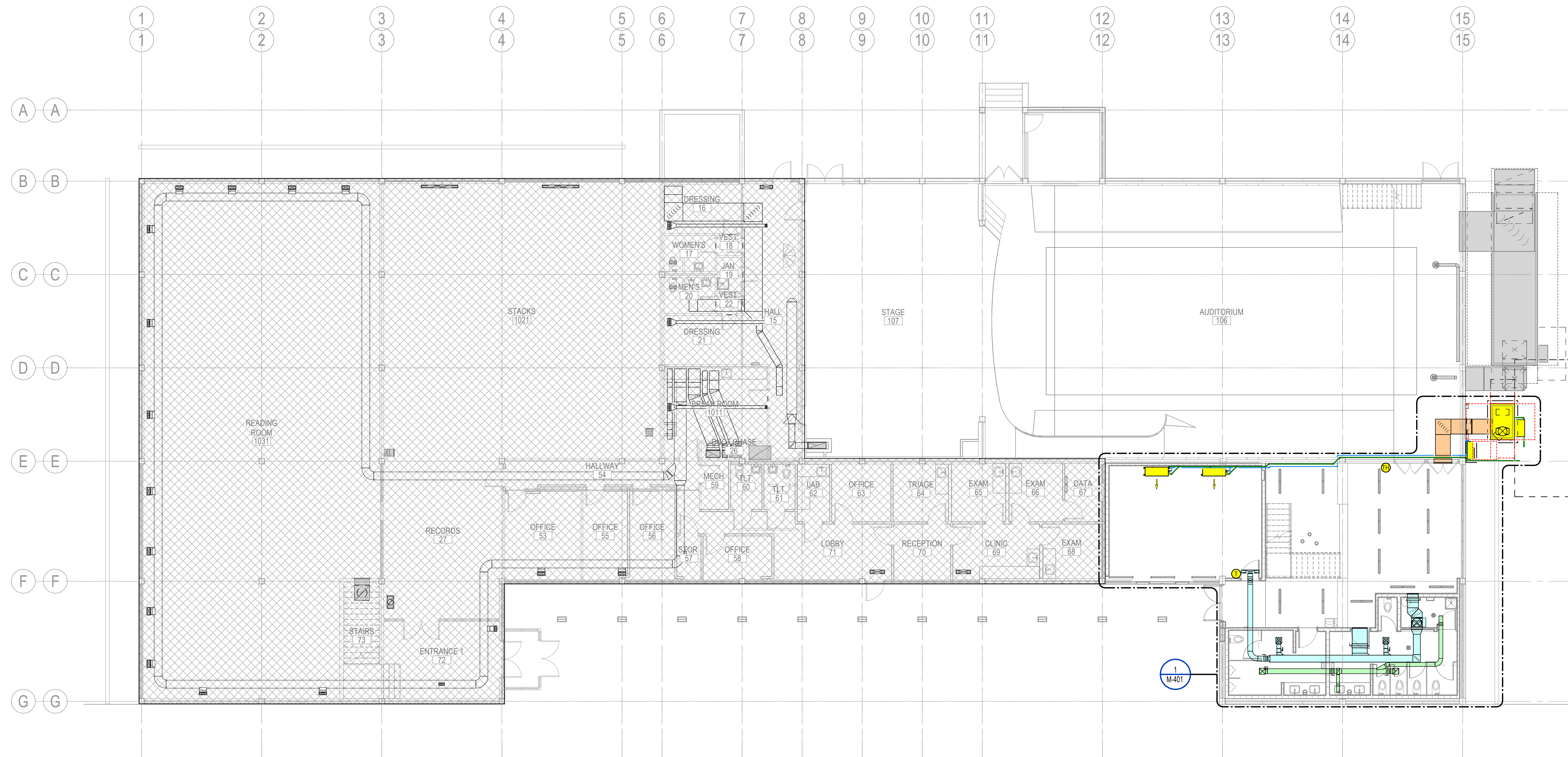


1300 East 6th Street Little Rock, AR 72202
501.372.2900 cromwell.com



PHILANDER
SMITH
UNIVERSITY

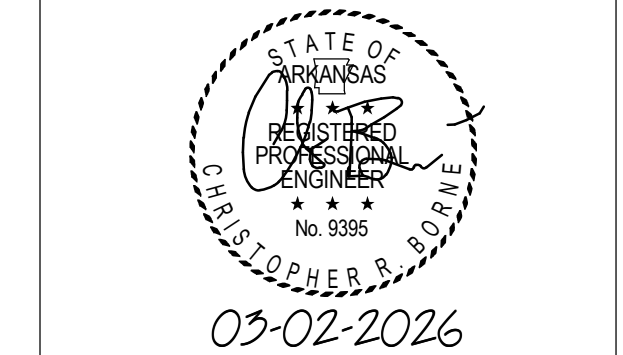
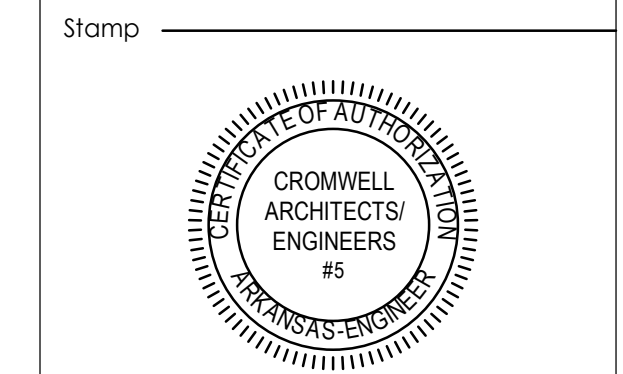
M.L. HARRIS
AUDITORIUM
RENOVATION



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

CONSTRUCTION
DOCUMENTS

No.	Date	Description



- Notes
1. CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED
 2. THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.

Project Number 2024-060
Issue Date 03-02-2026
Sheet Title

FIRST FLOOR
MECHANICAL PLAN

Sheet Number

M-101

GENERAL NOTES

1 REFER TO SHEET M-001 FOR MECHANICAL NOTES, ABBREVIATIONS, AND LEGEND SYMBOLS.

KEYED NOTES

1 INSTALL NEW EXHAUST FAN AND ADAPTER CURB ON EXISTING ROOF CURB.

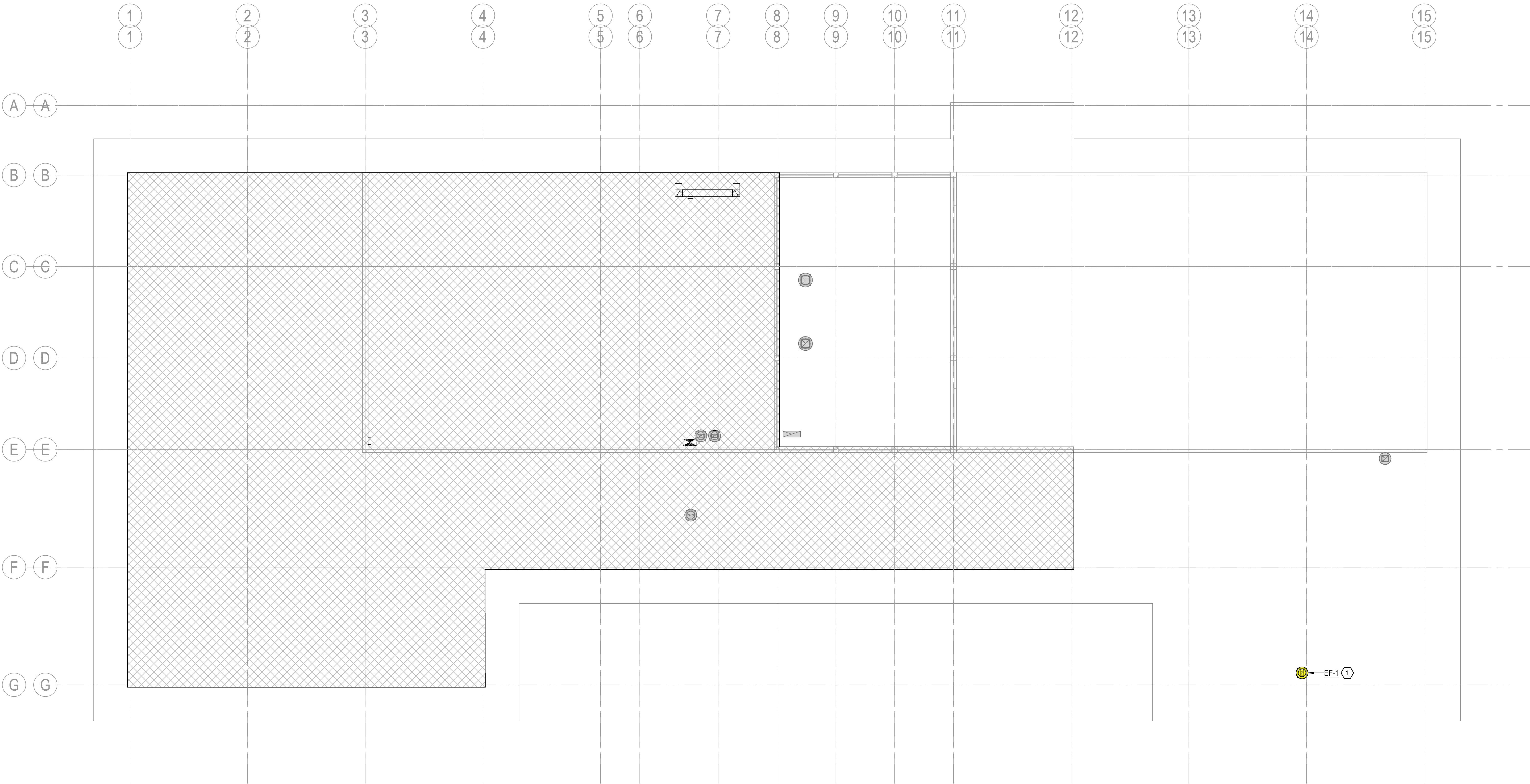


1300 East 6th Street Little Rock, AR 72202
501.372.2900 cromwell.com



PHILANDER
SMITH
UNIVERSITY

M.L. HARRIS
AUDITORIUM
RENOVATION



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

CONSTRUCTION
DOCUMENTS

No.	Date	Description

Stamp

03-02-2026

Notes

1. CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED

2. THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.

Project Number 2024-060

Issue Date 03-02-2026

Sheet Title

ROOF MECHANICAL
PLAN

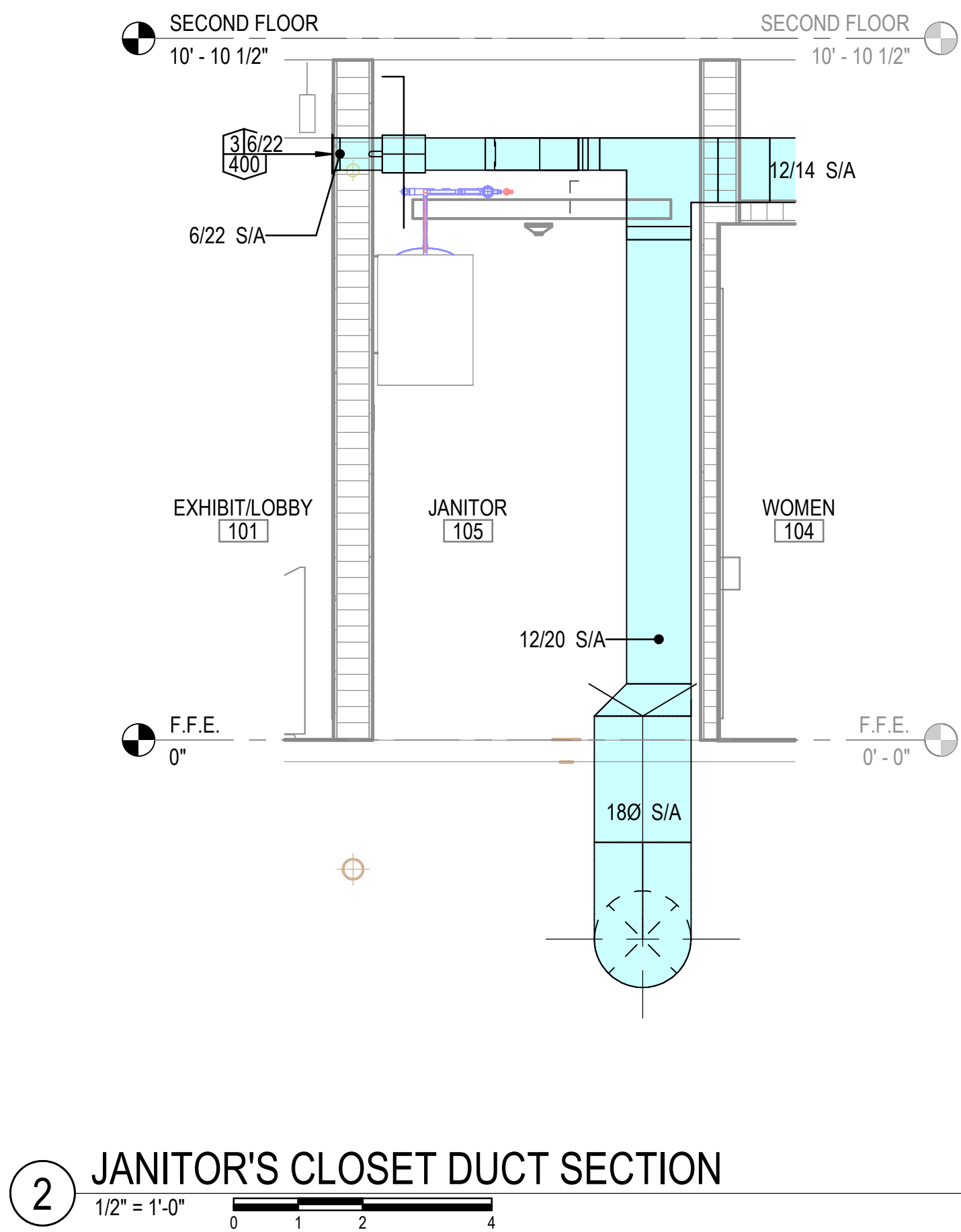
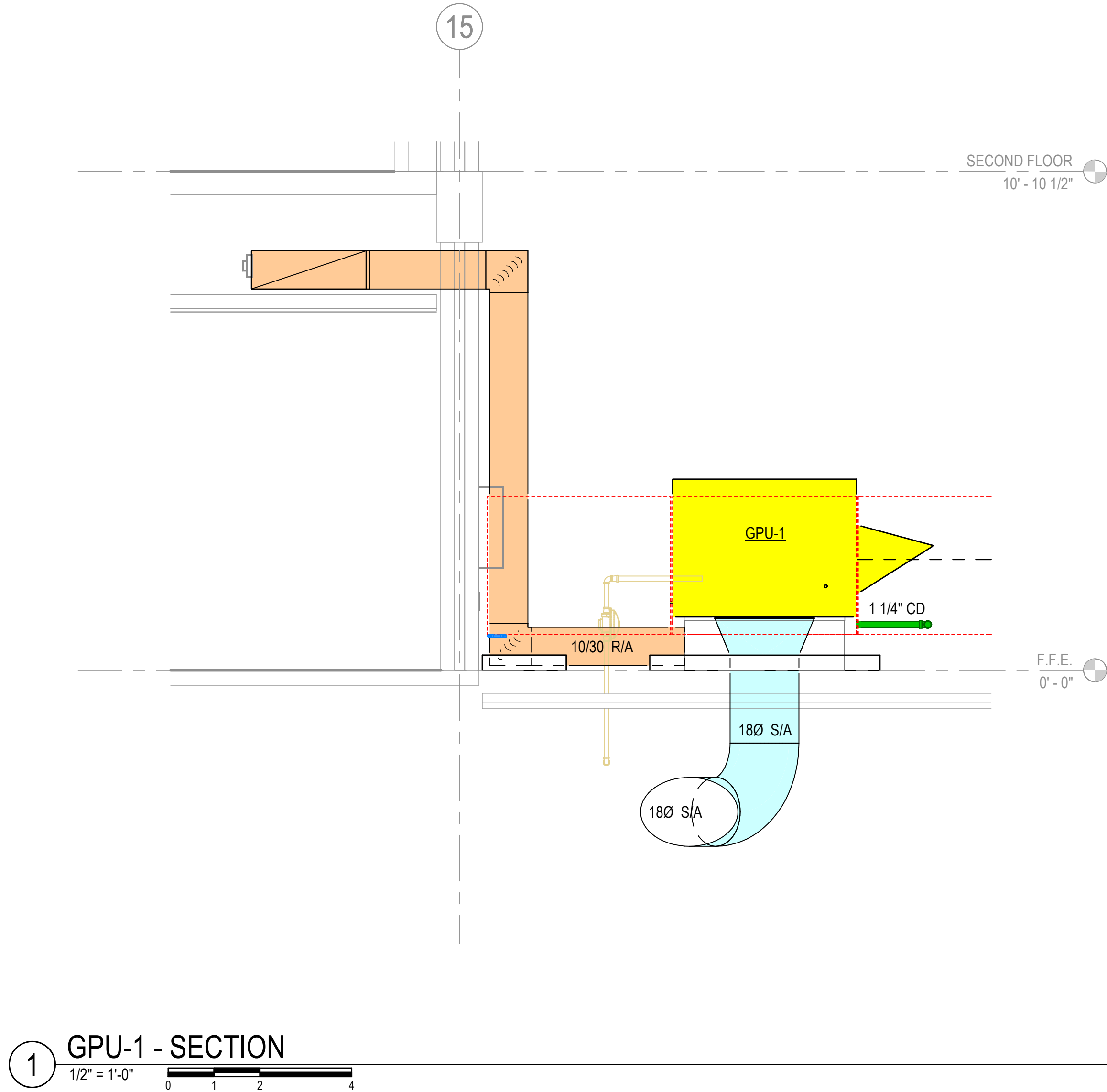
Sheet Number

M-103



PHILANDER
SMITH
UNIVERSITY

M.L. HARRIS
AUDITORIUM
RENOVATION



Design Phase

CONSTRUCTION DOCUMENTS

Revisions

No.	Date	Description

Stamp

Notes

1. CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED

2. THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.

Project Number 2024-060

Issue Date 03-02-2026

Sheet Title

MECHANICAL SECTIONS

Sheet Number

M-301

12

13

14

15

KEYED NOTES

- 1 DIRECT BURIAL HDPE DUCT SYSTEM, BLUEDUCT OR APPROVED EQUAL PER SPECIFICATIONS. COORDINATE BURIAL DEPTH WITH EXISTING GRADE BEAM(S).
- 2 BOTTOM OF EXISTING GRADE BEAM 24" BELOW FINISHED SLAB. TOP OF NEW DUCT TO BE AT LEAST 4" BELOW EXISTING GRADE BEAM.
- 3 ROUTE CONTROL WIRING IN CONCEALED CONDUIT, LOCATED INSIDE ARCHITECTURAL SOFFITS ALONG ROOM PERIMETER.
- 4 DAISY CHAIN CONTROL WIRING PER MANUFACTURER'S REQUIREMENTS SUCH THAT BOTH INDOOR UNITS ARE CONTROLLED TOGETHER.
- 5 ROUTE PIPING TIGHT TO DECK, ABOVE CEILING TREATMENT. PAINT TO MATCH COLOR OF DECK. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- 6 TERMINATE CONDENSATE DRAINS IN PIT. REFER TO DETAILS.
- 7 PROVIDE LINESET COVER TO HIDE REFRIGERANT PIPING AND CONDENSATE. PAINT PER ARCHITECT DIRECTION.
- 8 REMOTE DAMPERS REQUIRED, REFER TO DETAILS. ROUTE BACK TO JANITOR'S CLOSET IF CABLE LENGTH ALLOWS.
- 9 REMOTE DAMPER BANK.

GENERAL NOTES

- 1 REFER TO SHEET M-001 FOR MECHANICAL NOTES, ABBREVIATIONS, AND LEGEND SYMBOLS.



1300 East 6th Street Little Rock, AR 72202
501.372.2900 cromwell.com

PHILANDER
SMITH
UNIVERSITY

M.L. HARRIS
AUDITORIUM
RENOVATION

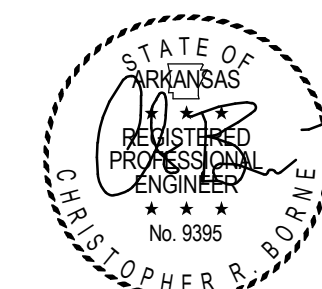
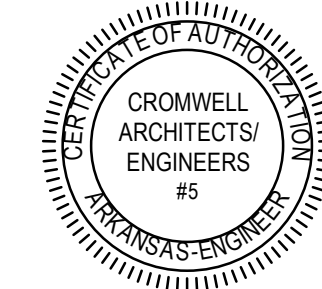
Design Phase

CONSTRUCTION
DOCUMENTS

Revisions

No. Date Description

Stamp



Notes

1. CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED
2. THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.

Project Number

2024-060

Issue Date

03-02-2026

Sheet Title

ENLARGED MECHANICAL
PLANS

Sheet Number

M-401

CLEANOUT

MSFC-1.1

MSFC-1.2

COMPUTER
LAB
[102]EXHIBIT LOBBY
[101]

DUCT SUPPORTS

30/10 R/A

30/10 R/A

36/12 R/A

A 36/12 1600

GPU-1

180 S/A

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

1" CD

PHASE 1 - ENLARGED MECHANICAL PLAN - MECHANICAL

ALTERNATE

1 1/2" = 1'-0"

0 1 2 4



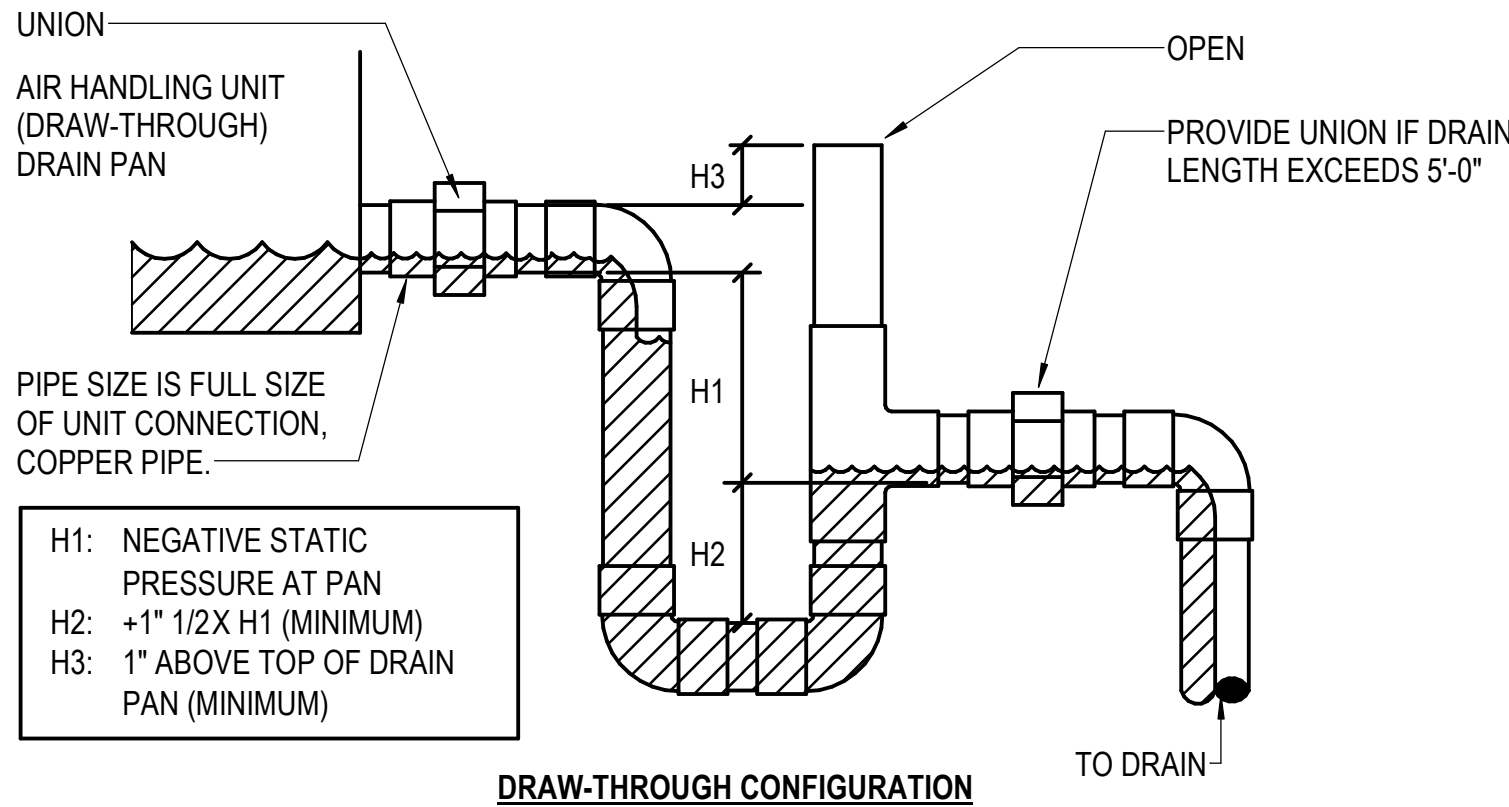
Project Number	2024-060
Issue Date	03-02-2026
Sheet Title	

Sheet Number _____

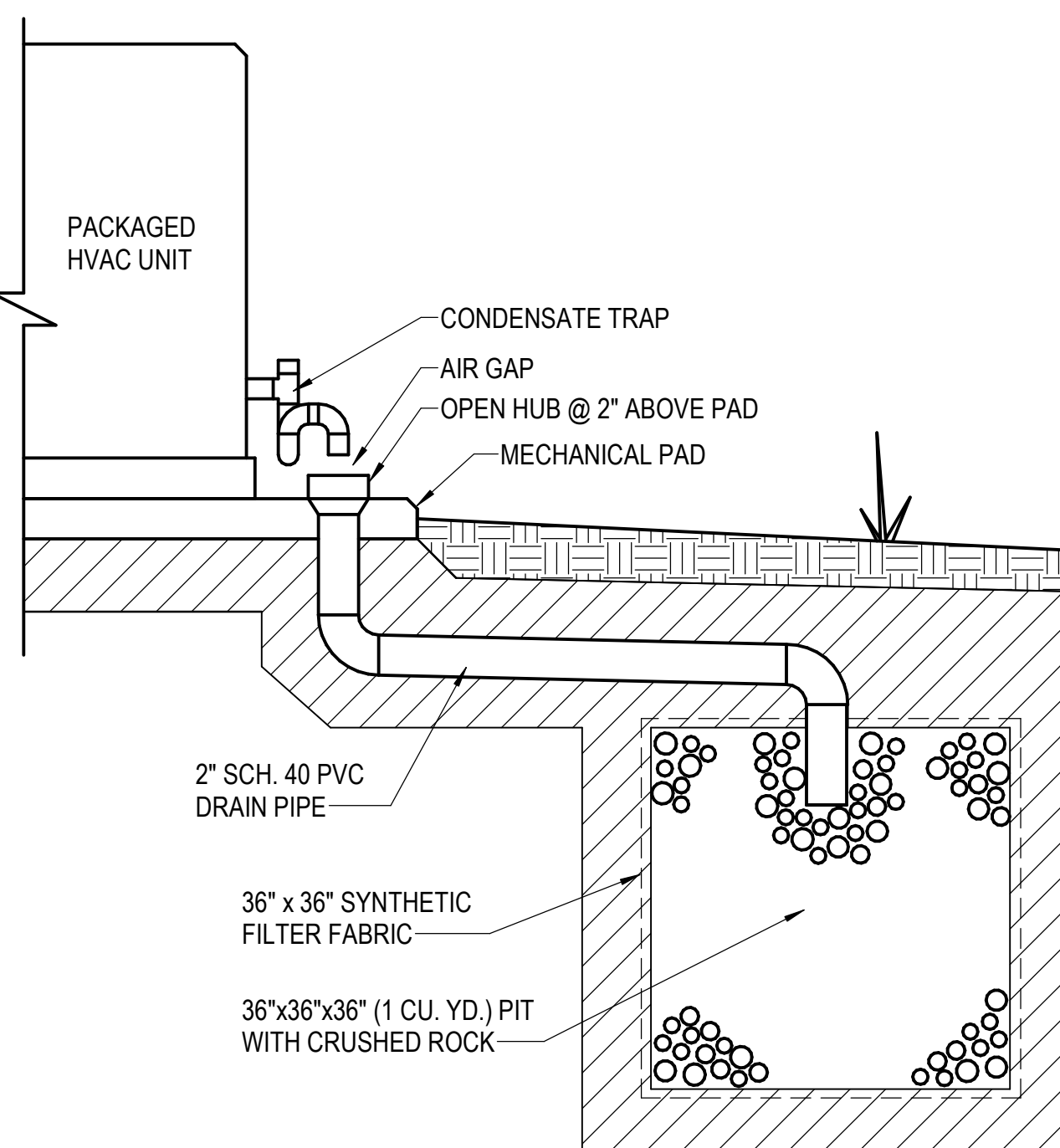
M-501

**PHILANDER
SMITH
UNIVERSITY**

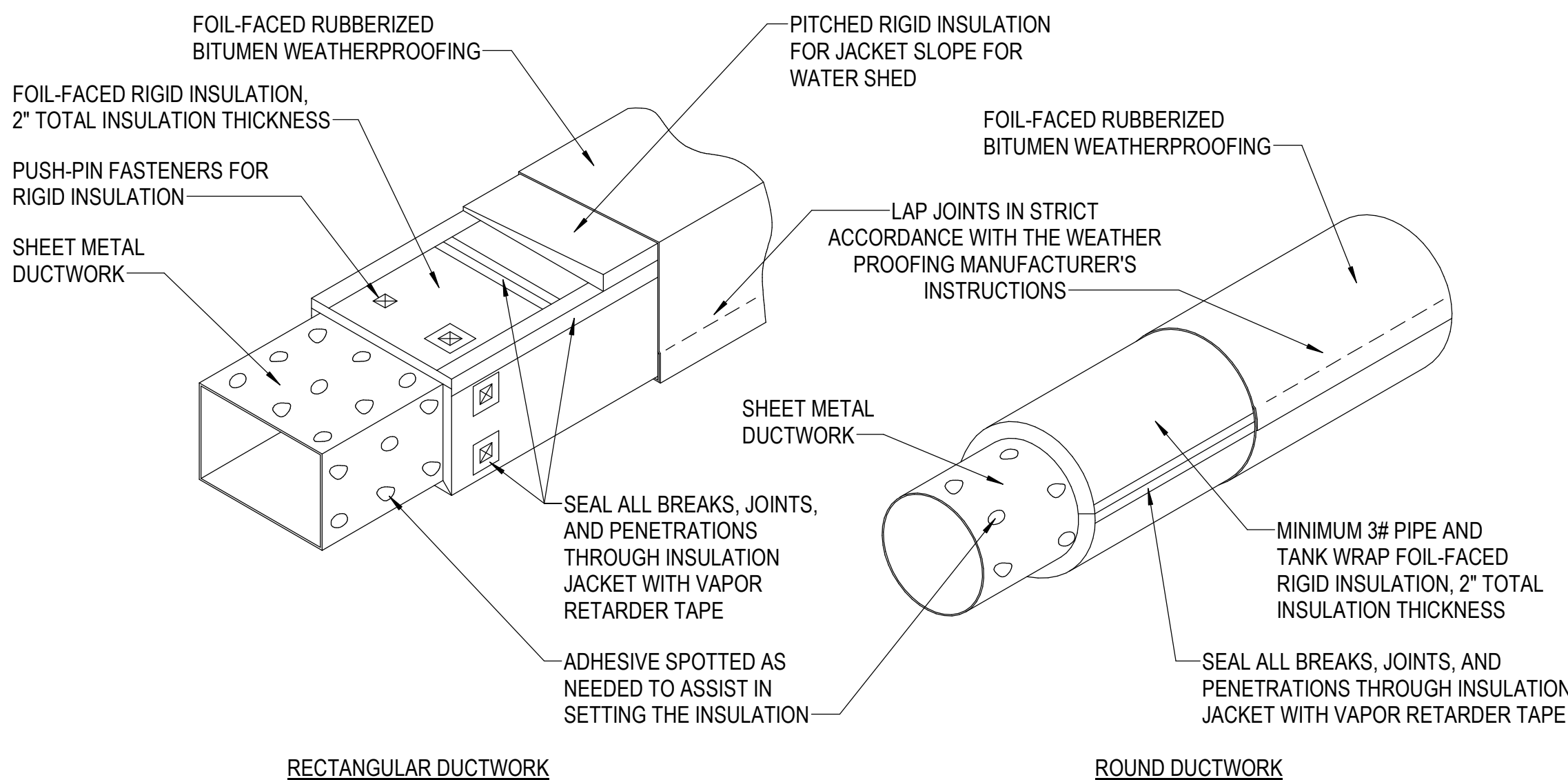
M.L. HARRIS
AUDITORIUM
RENOVATION



1 CONDENSATE PIPING - DRAIN TRAP - DRAW THROUGH
NOT TO SCALE



2 CONDENSATE PIPING - DRAIN PIT
NOT TO SCALE

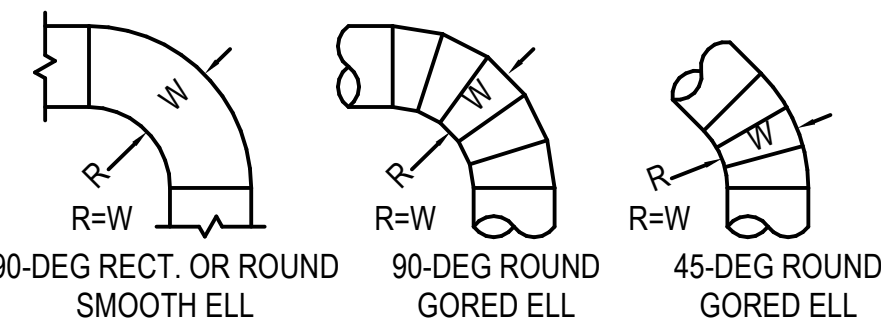


NOTES:

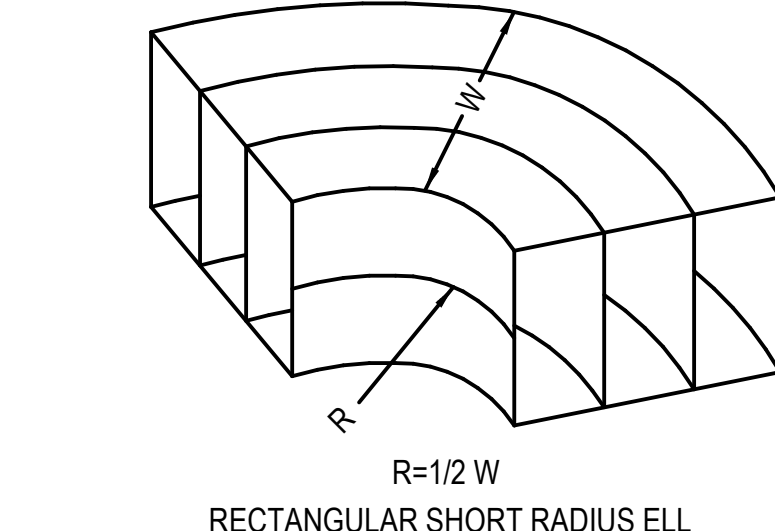
1. ALL SHEET METAL DUCT JOINTS AND SEAMS SHALL BE THOROUGHLY COATED WITH A U.L. 181 COMPLIANT SEALANT, SMACNA SEAL CLASS A, HARDCAST OR EQUAL.
2. COMBINATION VAPOR/WEATHER/UR BARRIER SHALL BE EQUAL TO POLYGUARD ALUMUGUARD RUBBERIZED BITUMEN FOIL FACED MEMBRANE WITH ASPHALT/ASPHALT LAP SEALS. INSTALL IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
3. WHERE THE DUCTWORK PENETRATED THE BUILDING ENVELOPE, THE EXTERIOR WEATHERPROOF INSULATION SHALL EXTEND MIN. 6" INTO THE BUILDING INTERIOR BEFORE TRANSITIONING TO THE INTERIOR DUCT INSULATION SPECIFICATION.

DUCT INSULATION - EXTERIOR DUCT INSULATION WEATHERPROOFING

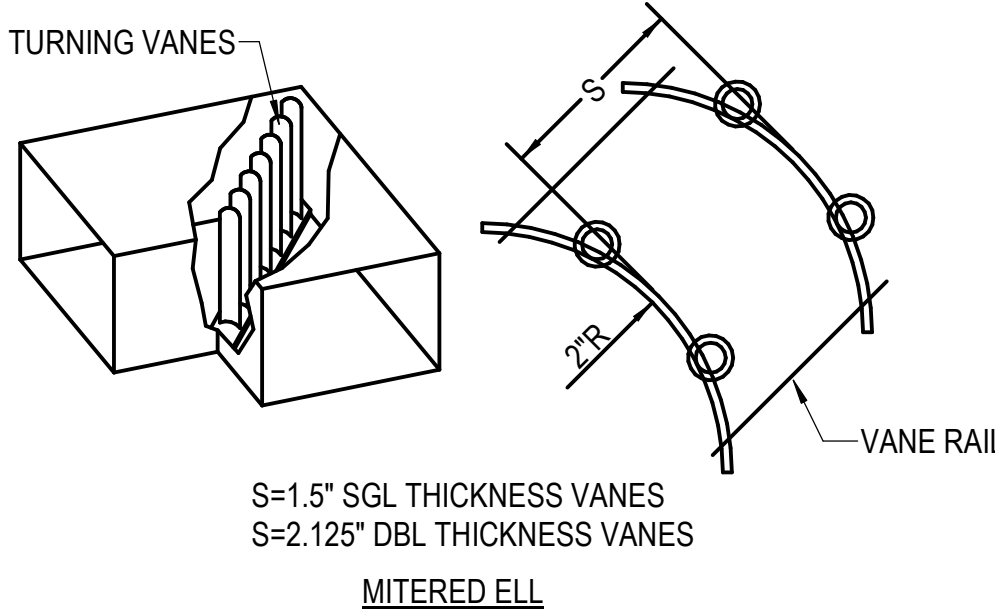
4 WEATH
NOT TO SCALE



STANDARD RADIUS ELL



RECTANGULAR SHORT RADIUS ELL

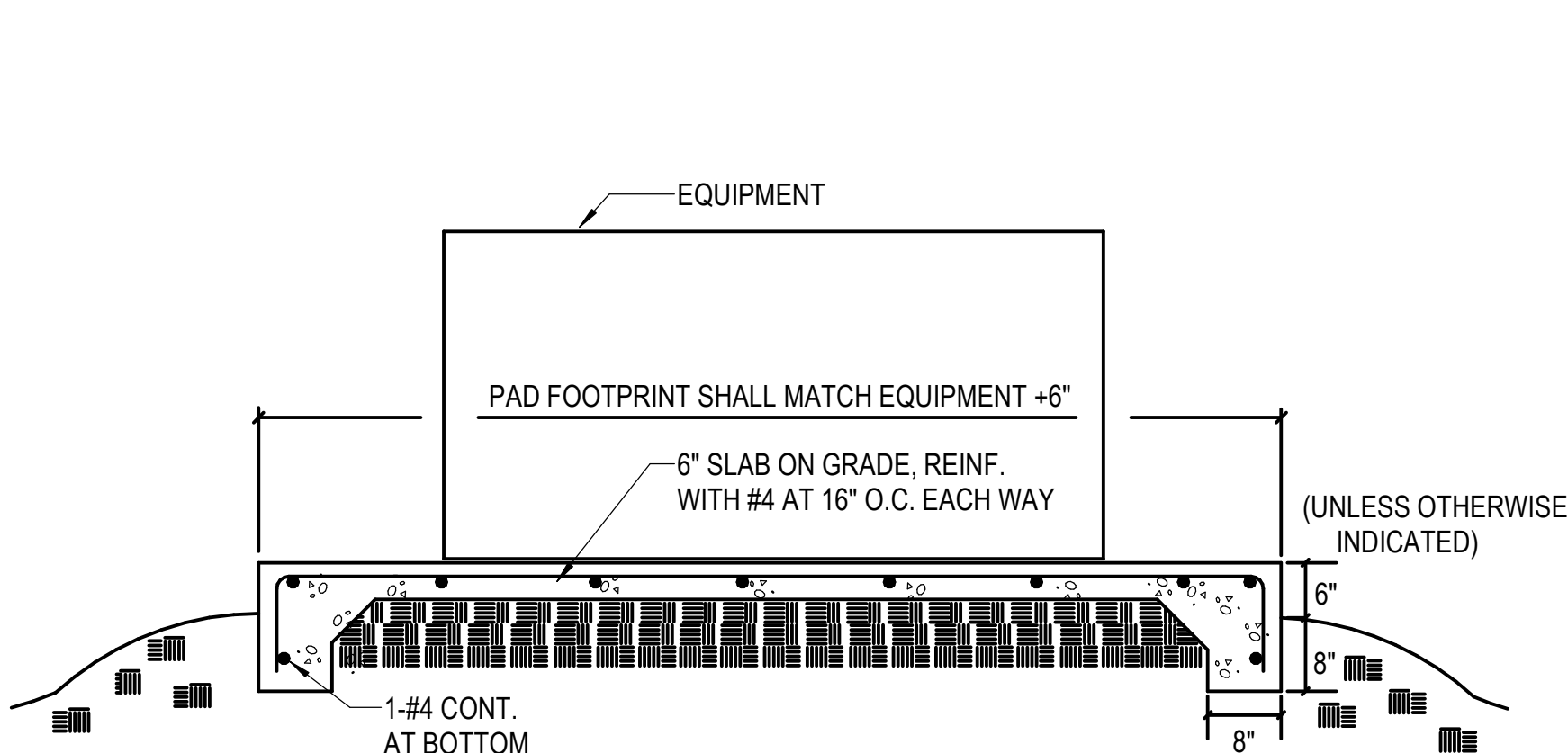


S=1.5" SGL THICKNESS VANES
S=2.125" DBL THICKNESS VANES

MITERED ELL

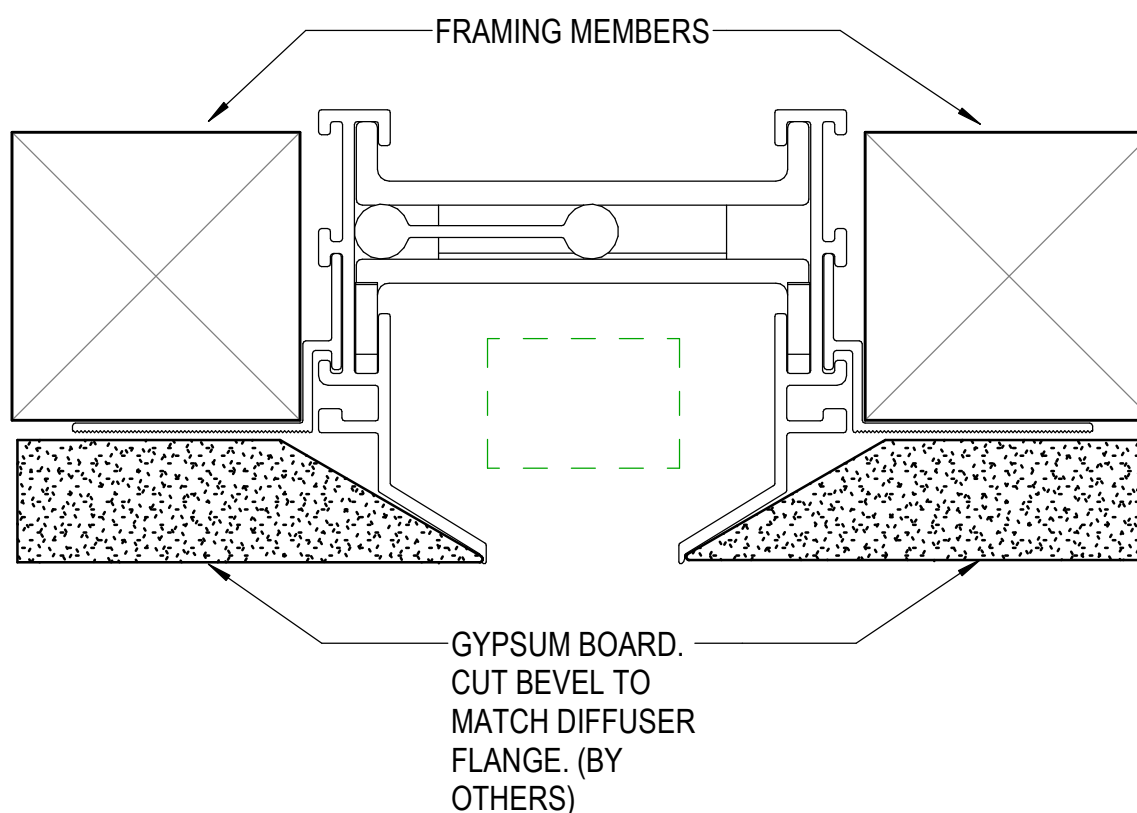
⑤ DUCT FITTING - DUCT ELBOW SPEC

5 DUCT F
NOT TO SCALE



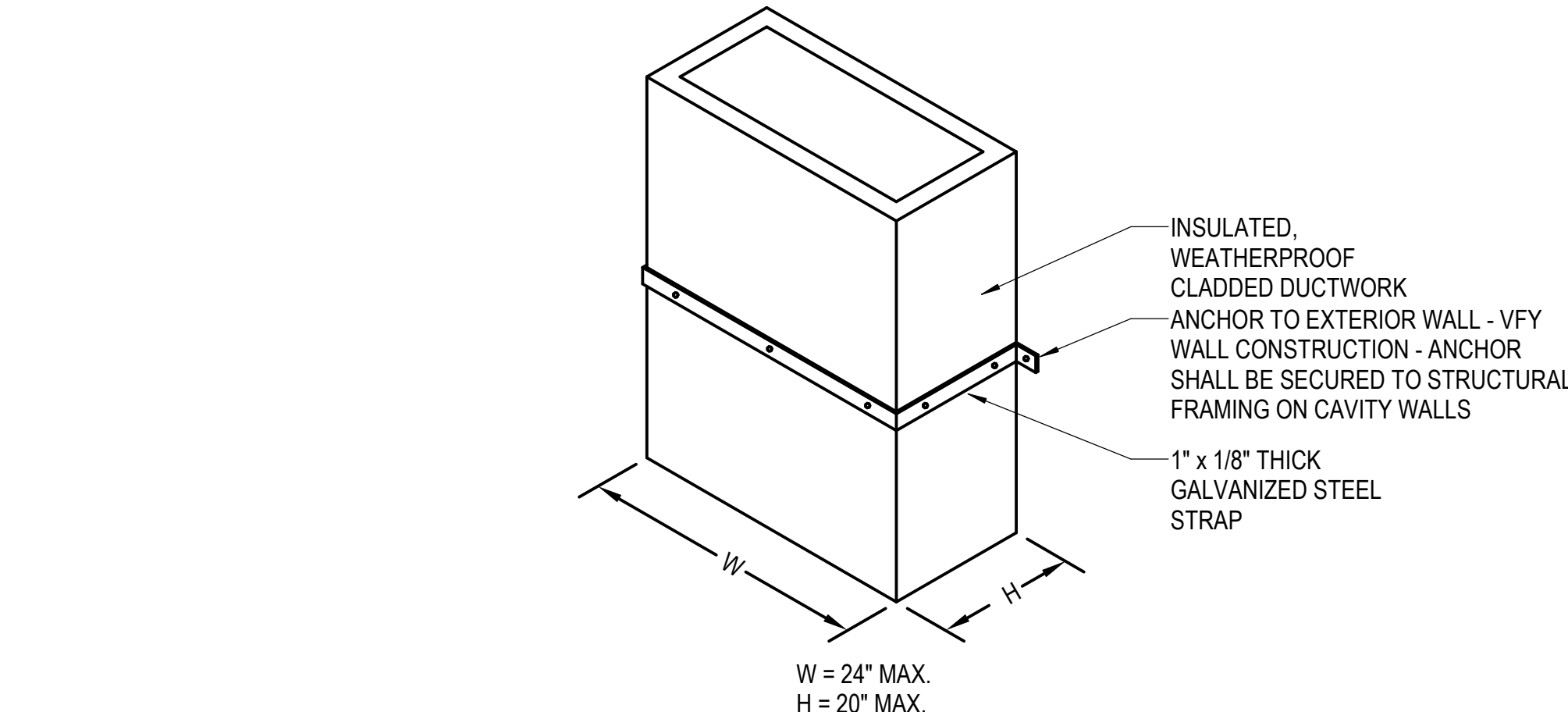
HOUSEKEEPING PAD - OUTDOOR

NOT TO SCALE



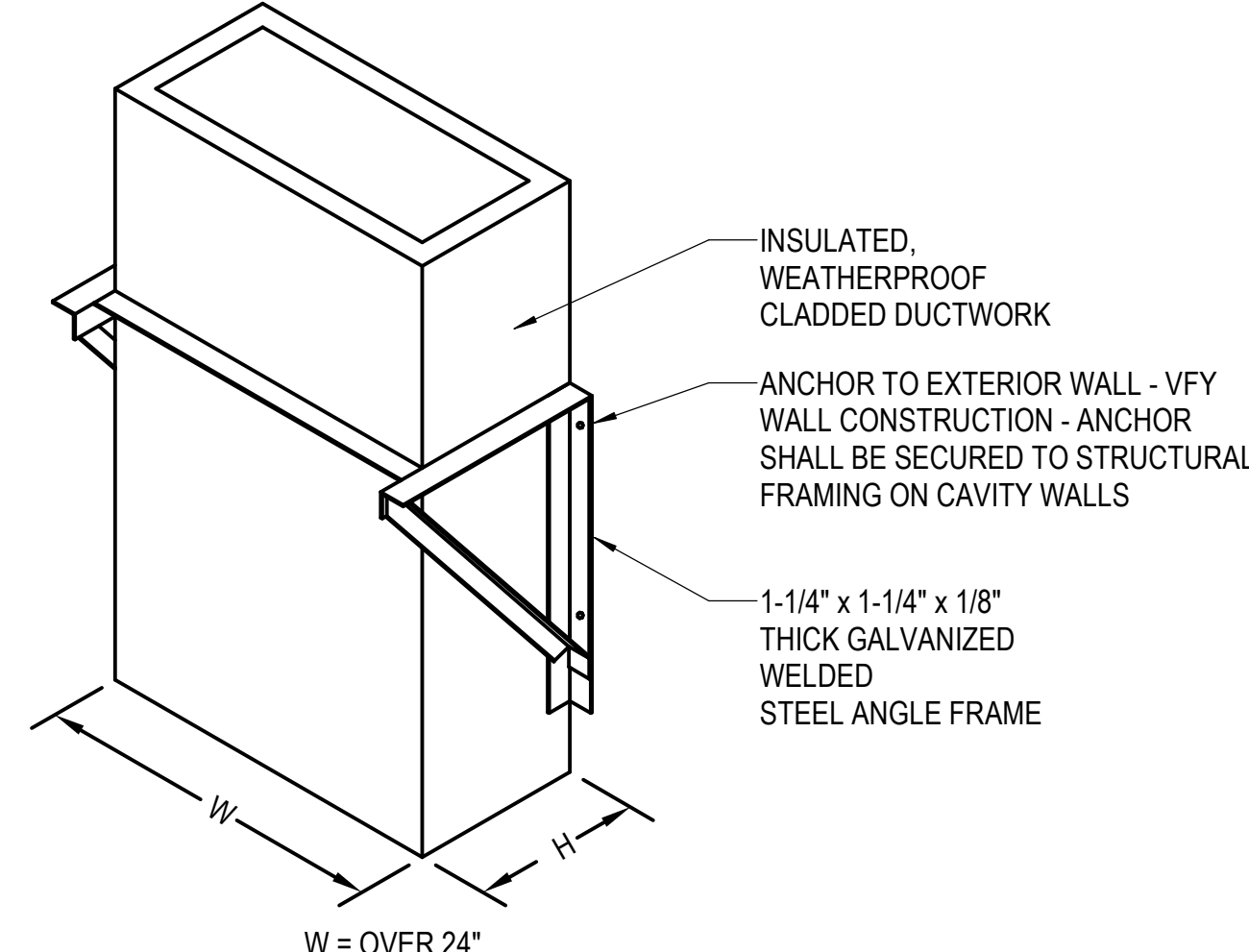
6 AIR TERMINAL - LINEAR SLOT - MOUNTING DETAIL CEILING

NOT TO SCALE



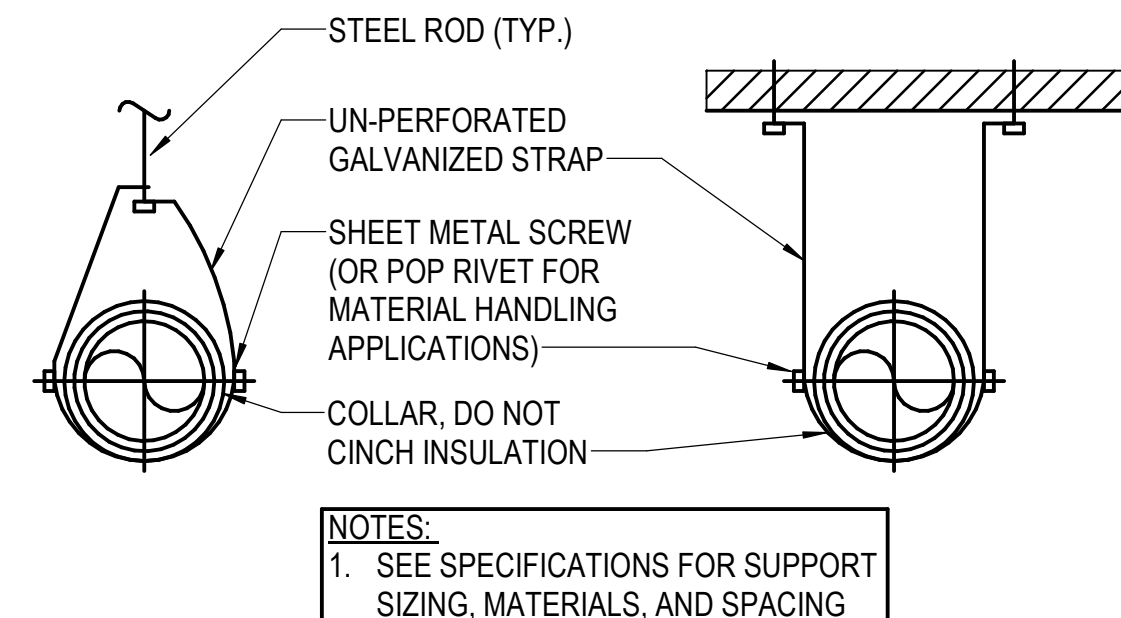
NOTES:

1. PROVIDE SUPPORT AT 12' O.C. MAX.
2. ANCHOR ANGLE IRON SUPPORTS TO WALL AT 12" O.C. SPACING MAX.
3. ALL BRACE-TO-DUCT FASTENERS SHALL BE EQUALLY SPACED AT 8" O.C.

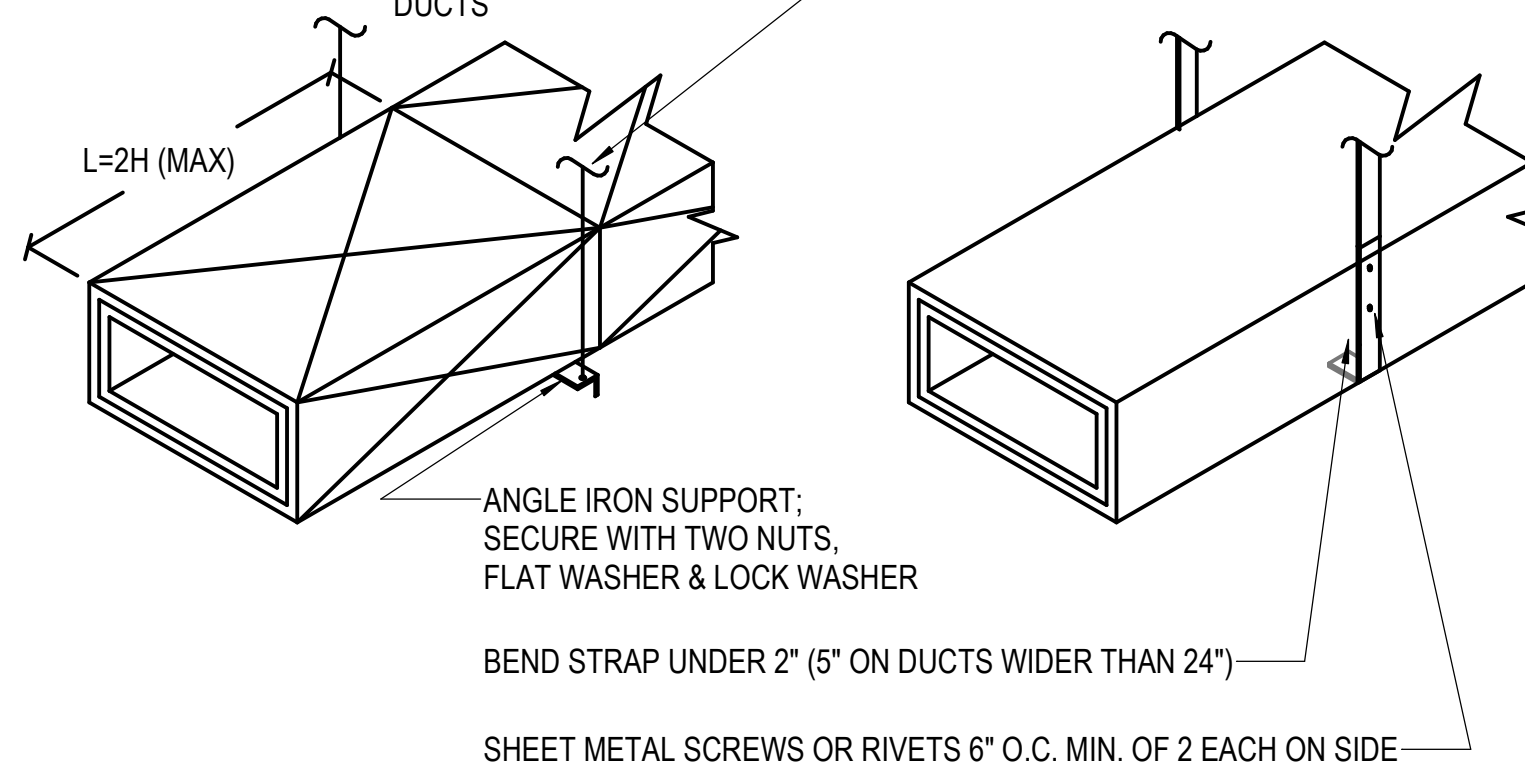


DUCT ACCESSORY - EXTERIOR VERTICAL RECTANGULAR
DUCT SUPPORT

3 DUCTS
NOT TO SCALE

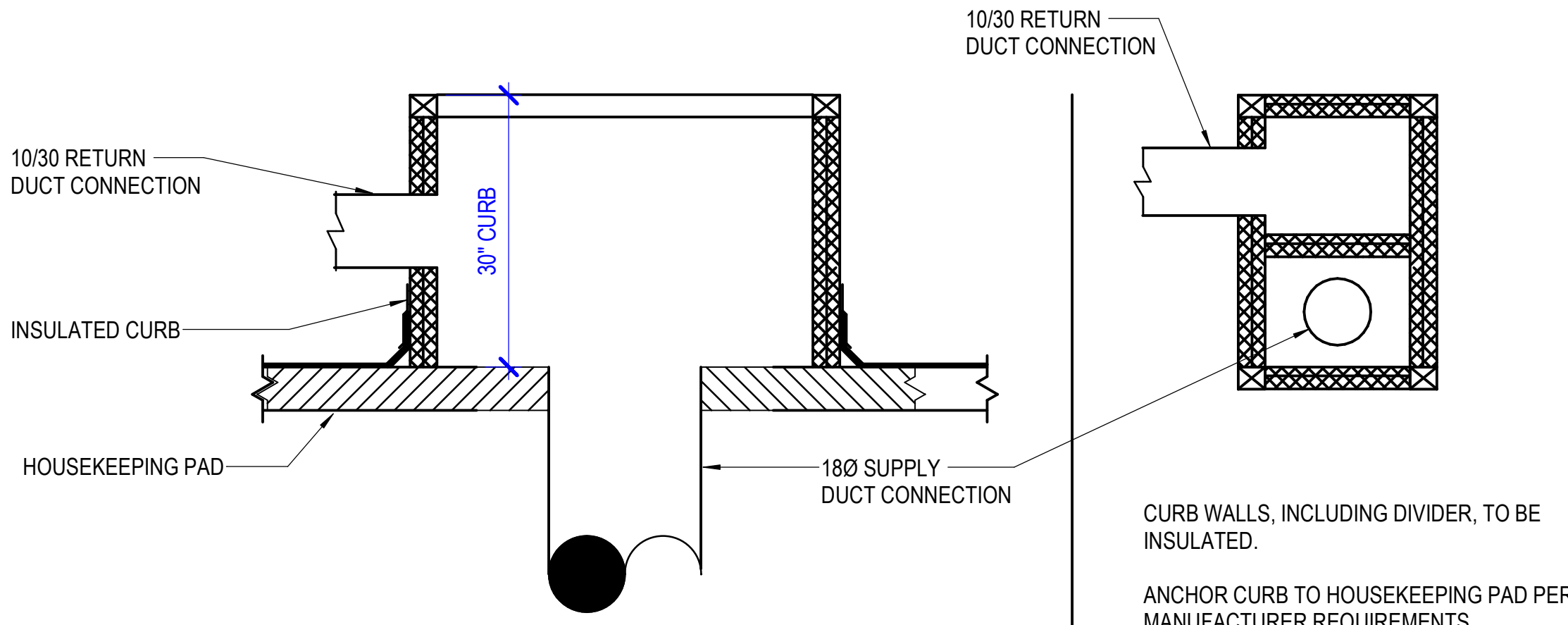


NOTES:
1. SEE SPECIFICATIONS FOR SUPPORT
SIZING, MATERIALS, AND SPACING



⑥ DUCT ACCESSORY - DUCT HANGERS

(6) NOT TO SCALE



SECTION VIEW

PLAN VIEW

PLENUM CURB - GPU

(9) NOT TO SCALE

Notes 05-02-2020

1. CROMWELL ARCHITECTS ENGINEERS, INC.
ALL RIGHTS RESERVED
2. THIS SHEET DESIGNED FOR COLOR PRINTING.
CRITICAL INFORMATION MAY BE LOST WITH
BLACK AND WHITE PRINTING.

Project Number **2024-060**

Issue Date **03-02-2026**

Sheet Title

MECHANICAL DETAILS

Sheet Number

AIR DEVICE			MARK NECK SIZE 8 210 CFM					
MARK	TYPE	DESCRIPTION	SIZE	MOUNTING	MATERIAL	FINISH	MANUFACTURER	MODEL
3	SUPPLY/TRANSFER	NARROW BLADE GRILLE WITH REVERSIBLE FIXED BLADE CORE	SEE PLANS	SIDEWALL	ALUMINUM	WHITE	TITUS	1700
A	RETURN	LINEAR BAR GRILLE, 1/8" BARS, 1/2" SPACING, 0 DEGREE DEFLECTION	36x12	SIDEWALL	ALUMINUM	NATURAL	TITUS	CT-580
H	EXHAUST	PERFORATED EXHAUST GRILLE	12x12	LAY-IN	ALUMINUM	WHITE	TITUS	8F
NOTES:		1. PROVIDE RAPID MOUNT/PLASTER FRAME FOR ALL AIR DEVICES INSTALLED IN A HARD CEILING. REFER TO ARCHITECTS REFLECTED CEILING PLAN.						
		2. CONFIRM FINISH WITH ARCHITECT DURING SUBMITTALS. SUBMIT WITH STANDARD FINISH CHART.						

LINEAR SLOT			MARK NECK SIZE 8 210 CFM							
MARK	TYPE	DESCRIPTION	SLOT WIDTH	LENGTH	PATTERN CONTROLLER	MATERIAL	MOUNTING DETAIL	MANUFACTURER	MODEL	REMARKS
1	SUPPLY	ARCHITECTURAL LINEAR SLOT DIFFUSER	1"	3'-0"	HIGH THROW	ALUMINUM	8/M-502	TITUS	FL-10	W/ FACTORY INSULATED PLENUM
NOTES:		1. COLOR AND FINISH PER ARCHITECT.								
		2. CONCEALED BORDER FOR GYPSUM CEILINGS.								

EXHAUST FAN																		
MARK	SERVES	TYPE	DRIVE	FAN DATA			MOTOR DATA			ELECTRICAL DATA				MAX SONES LEVEL	WEIGHT (LBS.)	MANUFACTURER	MODEL	REMARKS
				CFM	ESP	RPM	HP	VOLTS	PH	FLA	MCA	MOP	SCCR					
EF-1	RESTROOMS	CENTRIFUGAL, DOWN-BLAST	DIRECT	400	1.0	1650	1/3	120	1	7.2	9	20	5 kA	10	75	GREENHECK	G-098-VG	
NOTES:		1. PROVIDE ADAPTOR FOR EXISTING ROOF CURB. 2. PROVIDE ELECTRICAL DISCONNECT, NEMA-3R. 3. PROVIDE BACKDRAFT DAMPER. 4. PROVIDE BIRDSCREEN.					5. LICENSED TO BEAR THE AMCA SEAL FOR SOUND AND AIR PERFORMANCE. 6. EC MOTOR. PROVIDE WITH MANUFACTURER'S HOA CONTROLLER AND LOW VOLTAGE TIME CLOCK. CONNECT DRY INPUT TO RESTROOM OCCUPANCY SENSOR. TIME CLOCK SHALL CONTROL FAN TO RUN CONTINUOUSLY OCCUPIED HOURS, AND RESTROOM OCCUPANCY SENSOR SHALL COMMAND FAN ON IF OCCUPANCY IS DETECTED OUTSIDE OF REGULARLY SCHEDULED HOURS.											

SMALL CAPACITY PACKAGED UNIT (DX COOLING W/ GAS HEAT)																											
MARK	COOLING CAPACITY						EVAPORATOR FAN		O.S.A.	HEATING CAPACITY						AMB. TEMP. °F COOLING	ELECTRICAL DATA				SEER	REFRIG.	WEIGHT	MANUF.	MODEL	REMARKS	
	TOTAL (MBH)	SENSIBLE (MBH)	ENTERING AIR TEMP.		LEAVING AIR TEMP.		CFM	ESP		FUEL	STEPS	INPUT (MBH)	OUTPUT (MBH)	EAT DB°F	LAT DB°F		MCA	MOCP	VOLTS	PH							
	DB°F	WB°F	DB°F	WB°F						NAT. GAS																	
GPU-1	67,200	40,000	78.1	68.3	55	55	1600	1.5	500			115,000	92,000	51	104	105	29	40.0	208	3	14	R-454B	800 LB	TRANE	YSK060		
NOTES:	1. PROVIDE ECONOMIZER, COMPARATIVE ENTHALPY.						5. PROVIDE HOT GAS RE-HEAT COIL.																				
	2. PROVIDE MERV 8 FILTERS.						6. PROVIDE PLENUM CURB FOR GROUND MOUNTED UNIT WITH DOWN DISCHARGE INTO BELOW-GRADE SUPPLY DUCT. RETURN DUCT ABOVE GRADE.																				
	3. PROVIDE HINGED ACCESS DOORS.						7. PROVIDE WITH BAROMETRIC RELIEF.																				
	4. PROVIDE COIL HAIL GUARDS.																										

DUCTLESS SPLIT SYSTEM																		
MARK		INDOOR UNIT TYPE	COOLING (BTU/H)	HEATING (BTU/H)	CFM	ELECTRICAL DATA				AMBIENT TEMPERATURE °F		SEER	REFRIG.	MANUFACTURER	MODEL		REMARKS	
INDOOR	OUTDOOR					RLA	MOCP	VOLTS	Ø	COOLING	HEATING				INDOOR	OUTDOOR		
MSFC-1.1/ MSFC-1.2	MSOU-1					ONE-WAY CEILING CASSETTE	19,100	21,500	480	25	40				208	1		100
NOTES:			1. SYSTEM SHALL BE COMPLETE WITH INDOOR & OUTDOOR UNIT BY SAME MANUFACTURER.															
			2. INDOOR UNIT W/ INTEGRAL CONDENSATE PUMP.															
			3. OUTDOOR UNIT PROVIDES POWER TO INDOOR UNIT.															
			4. LOW VOLTAGE, WIRED WALL MOUNTED THERMOSTAT.															



PHILANDER
SMITH
UNIVERSITY

M.L. HARRIS
AUDITORIUM
RENOVATION

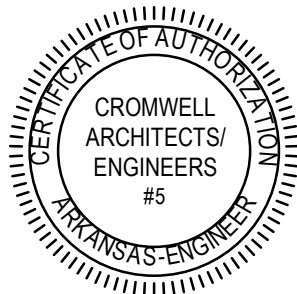
Design Phase

CONSTRUCTION
DOCUMENTS

Revisions

No.	Date	Description

Stamp



Notes

1. CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED
2. THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.

Project Number

2024-060

Issue Date

03-02-2026

Sheet Title

MECHANICAL SCHEDULES

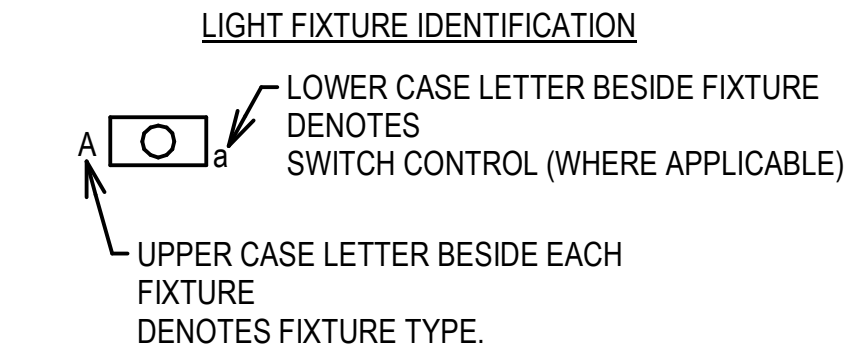
Sheet Number

M-601

ELECTRICAL SYMBOLS

	RECEPTACLES (MOUNTED 18" AFF UNLESS INDICATED OTHERWISE)
	DUPLEX RECEPTACLE OUTLET (20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20R)
	DUPLEX RECEPTACLE OUTLET (20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20R) MOUNT AT 44" AFF
	SINGLE RECEPTACLE OUTLET (20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20R)
	FLOOR RECEPTACLE OUTLET (20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20R)
	SINGLE RECEPTACLE OUTLET (50A, 250V, 3 POLE, 3 WIRE, NEMA 10-50R)
	SINGLE RECEPTACLE OUTLET (20A, 250V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 6-20R)
	SINGLE RECEPTACLE OUTLET (30A, 250V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 6-30R)
	SINGLE RECEPTACLE OUTLET (30A, 250V, 3 POLE, 4 WIRE, TWIST-LOCK, GROUNDING TYPE, NEMA L15-30R)
	SINGLE SPECIAL-PURPOSE RECEPTACLE OUTLET; NUMBER CORRESPONDS TO THE SPECIAL-PURPOSE RECEPTACLE SCHEDULE
	SINGLE RECEPTACLE FOR ELECTRIC RANGE (50A, 125/250V, 3 POLE, 4 WIRE, GROUNDING TYPE, NEMA 14-50R)
	DUPLEX RECEPTACLE MOUNTED IN CEILING (20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20R)
	TWO (2) DUPLEX RECEPTACLES MOUNTED IN DOUBLE GANG BACKBOX (20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20R)
	TWO (2) DUPLEX RECEPTACLES FLOOR MOUNTED IN DOUBLE GANG BACKBOX (20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20R)

	LIGHT FIXTURES (SEE FIXTURE SCHEDULE ON E-601 FOR TYPE)
	LIGHT FIXTURE, CEILING MOUNTED
	LIGHT FIXTURE, CEILING MOUNTED, ON EMERGENCY CIRCUIT
	LIGHT FIXTURE, CEILING MOUNTED, ON INVERTER CIRCUIT OR WITH INTEGRAL BATTERY, AS SCHEDULED. WHEN REQUIRED BY THE FIXTURE SCHEDULE, AN EMERGENCY SELF CONTAINED BATTERY PACK IS TO REMAIN UNSWITCHED.
	LIGHT FIXTURE, WALL MOUNTED
	LIGHT FIXTURE, INDUSTRIAL STRIP, SURFACE OR PENDANT MOUNTED
	LIGHT FIXTURE, INDUSTRIAL STRIP, SURFACE OR PENDANT MOUNTED, ON EMERGENCY CIRCUIT
	LIGHT FIXTURE, INDUSTRIAL STRIP, SURFACE OR PENDANT MOUNTED, ON INVERTER CIRCUIT OR WITH INTEGRAL BATTERY, AS SCHEDULED. WHEN REQUIRED BY THE FIXTURE SCHEDULE, AN EMERGENCY SELF CONTAINED BATTERY PACK IS TO REMAIN UNSWITCHED.
	LIGHT FIXTURE, CEILING MOUNTED
	LIGHT FIXTURE, CEILING MOUNTED, ON EMERGENCY CIRCUIT
	LIGHT FIXTURE, CEILING MOUNTED, ON INVERTER CIRCUIT OR WITH INTEGRAL BATTERY, AS SCHEDULED. WHEN REQUIRED BY THE FIXTURE SCHEDULE, AN EMERGENCY SELF CONTAINED BATTERY PACK IS TO REMAIN UNSWITCHED
	LIGHT FIXTURE, WALL MOUNTED
	LIGHT FIXTURE, WALL MOUNTED, ON INVERTER CIRCUIT OR WITH INTEGRAL BATTERY, AS SCHEDULED. WHEN REQUIRED BY THE FIXTURE SCHEDULE, AN EMERGENCY SELF CONTAINED BATTERY PACK IS TO REMAIN UNSWITCHED
	EMERGENCY BATTERY POWERED LIGHTING UNIT, WITH SELF CONTAINED BATTERY, CHARGER, ETC. (REFER TO FIXTURE SCHEDULE FOR BATTERY TYPE, VOLTAGE, LAMP TYPE, WATTAGE, ETC.) TRIANGLES DEPICT QUANTITY AND AIMING OF LAMP HEADS
	EXIT SIGN, LIGHTED, CEILING MOUNTED. SHADED AREA INDICATES FACE. ARROW DEPICTS DIRECTIONAL ARROW ON SIGN. WHEN REQUIRED BY THE FIXTURE SCHEDULE, AN EMERGENCY SELF-CONTAINED BATTERY PACK IS TO REMAIN UNSWITCHED.
	EXIT SIGN, LIGHTED, WALL MOUNTED AT 7'-6" AFF (TO BOTTOM OF SIGN) UNLESS INDICATED OTHERWISE. ARROW DEPICTS DIRECTIONAL ARROW ON SIGN. WHEN REQUIRED BY THE FIXTURE SCHEDULE, AN EMERGENCY SELF-CONTAINED BATTERY PACK IS TO REMAIN UNSWITCHED.
	FLOOD LIGHT, ARROW INDICATES DIRECTION OF BEAM
	DOCK LIGHT
	PARKING AREA LIGHT FIXTURE, POLE MOUNTED



	SWITCHGEAR
	MAGNETIC MOTOR STARTER (FURNISHED BY DIVISION 23, UNLESS NOTED OTHERWISE)
	ELECTRICAL PANELBOARD, FLUSH MOUNTED
	ELECTRICAL PANELBOARD, SURFACE MOUNTED
	EXISTING ELECTRICAL PANELBOARD, FLUSH MOUNTED
	EXISTING ELECTRICAL PANELBOARD, SURFACE MOUNTED
	SAFETY SWITCH; 30A CURRENT RATING UNLESS NOTED OTHERWISE. +4'-0" TO HANDLE
	FUSIBLE SAFETY SWITCH; CURRENT RATING AND FUSE RATING NOTED. +4'-0" TO HANDLE
	CIRCUIT BREAKER IN WALL MOUNTED ENCLOSURE
	ELECTRICAL TRANSFORMER, FLOOR MOUNTED UNLESS INDICATED OTHERWISE

ELECTRICAL SYMBOLS

	TELEPHONE/COMMUNICATIONS/DATA (OUTLETS SHALL BE MOUNTED 18" AFF UNLESS INDICATED OTHERWISE. NUMBER INDICATES QUANTITY OF JACKS.)
	TELEPHONE OUTLET. OUTLET BOX WITH 1" C STUBBED ABOVE ACCESSIBLE CEILING SPACE AND DATA CABLE. SUBSCRIPT: W - WALL MOUNTED AT 54" AFF;
	TELEPHONE FLOOR OUTLET. OUTLET BOX WITH 1" C STUBBED ABOVE ACCESSIBLE CEILING SPACE AND DATA CABLE.
	DATA OUTLET. OUTLET BOX WITH 1" C STUBBED ABOVE ACCESSIBLE CEILING SPACE AND DATA CABLE.
	DATA FLOOR OUTLET. OUTLET BOX WITH 1" C STUBBED ABOVE ACCESSIBLE CEILING SPACE AND DATA CABLE.
	COMBINATION VOICE/DATA OUTLET. OUTLET BOX WITH 1" C STUBBED ABOVE ACCESSIBLE CEILING SPACE AND DATA CABLE.
	COMBINATION VOICE/DATA FLOOR OUTLET. OUTLET BOX WITH 1" C STUBBED ABOVE ACCESSIBLE CEILING SPACE AND DATA CABLE.
	4'-0" HIGH x 3/4" THICK FIRE-RETARDANT PLYWOOD BACKBOARD. SEE PLANS FOR LENGTH.
	WIRELESS ACCESS POINT OUTLET CEILING MOUNTED. OUTLET BOX WITH 1" C STUBBED ABOVE ACCESS CEILING SPACE AND DATA CABLE.
	CABLE TRAY

	SINGLE LINE CIRCUIT BREAKER, TRIP RATING AS INDICATED, 3 POLE OR AS INDICATED
	DISCONNECT SWITCH OR LOAD INTERRUPTER SWITCH, CURRENT RATING AS INDICATED, 3 POLE OR AS INDICATED
	SWITCH WITH GROUND FAULT INTERRUPTER
	F30 FRS FUSE, CURRENT RATING AND TYPE WHEN INDICATED
	TRANSFORMER, DESCRIPTION AS NOTED OR PER SCHEDULE
	CURRENT TRANSFORMER
	POTENTIAL TRANSFORMER
	SS PHASE SELECTOR SWITCH
	A AMMETER
	V VOLTMETER
	WH WATT-HOUR METER
	SPD SURGE PROTECTIVE DEVICE
	AUTOMATIC TRANSFER SWITCH
	G GENERATOR

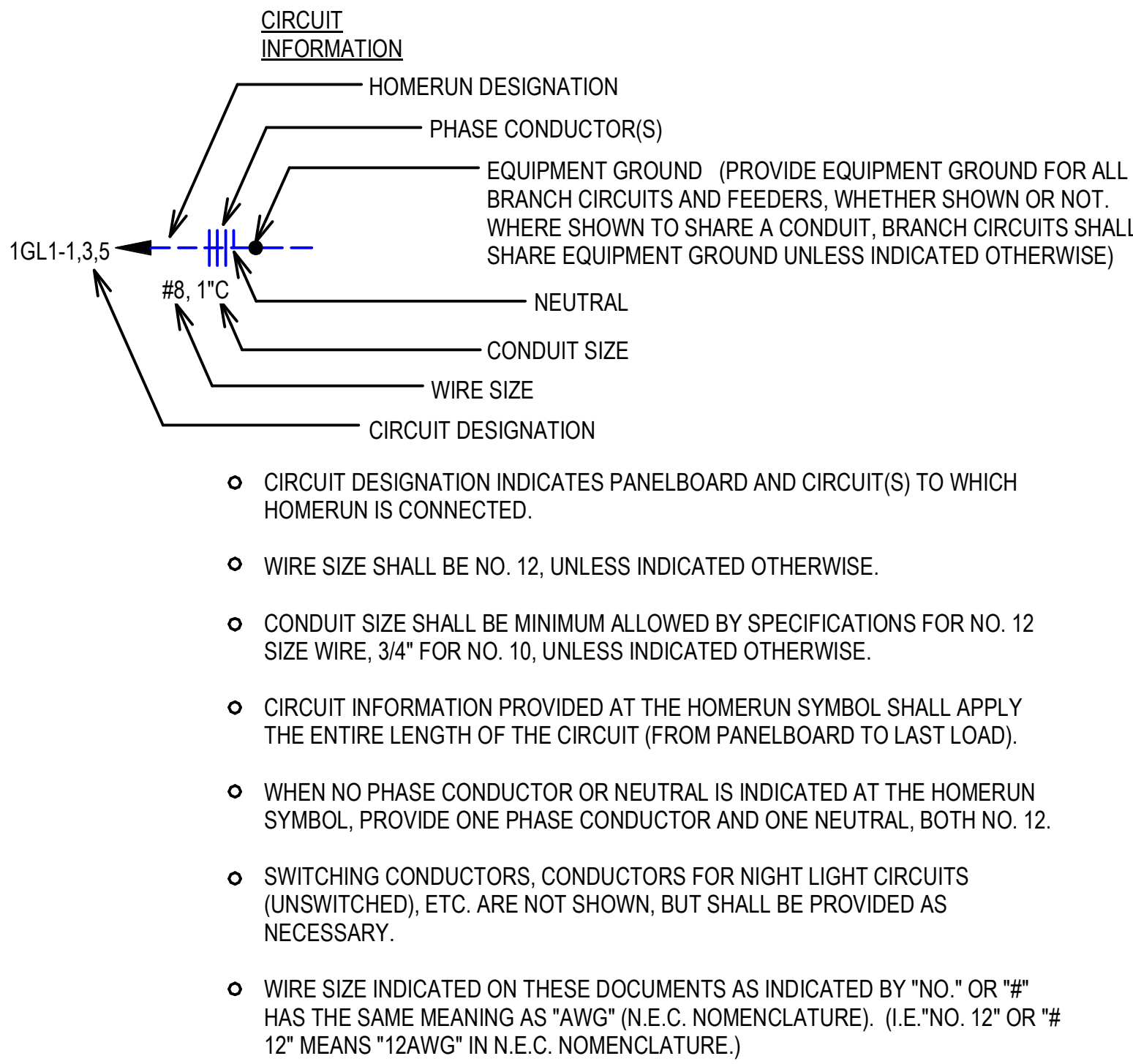
SWITCHES (MOUNTED AT 46", UNLESS INDICATED OTHERWISE) (LOWER CASE LETTER INDICATES DEVICES CONTROLLED)

\$ _a	SWITCH, SINGLE POLE, 20A
\$ ₂	SWITCH, DOUBLE POLE, 20A SWITCH
\$ ₃	3-WAY, 20A SWITCH
\$ ₄	4-WAY, 20A SWITCH
\$ _K	KEY OPERATED
\$ _P	SINGLE POLE SWITCH, WITH PILOT LIGHT
\$ _M	SINGLE POLE MANUAL MOTOR STARTING SWITCH, WITH THERMAL OVERLOAD ELEMENT AND PROVISIONS FOR LOCKING OPEN
\$ _D	SWITCH, DIMMING (COORDINATE WITH FIXTURE MANUFACTURER)
\$ _X	SWITCH, MULLION SWITCH
\$ _{LV}	LOW VOLTAGE WITH MOMENTARY CONTACTS SWITCH
\$ _O	OCCUPANCY SENSOR, WALL MOUNTED, DUAL TECHNOLOGY
\$ _{CS}	OCCUPANCY SENSOR, CEILING MOUNTED, DUAL TECHNOLOGY
\$ _{PC}	PHOTOCELL

MULTIPLE DEVICES LOCATED SIDE BY SIDE (OR ABOVE AND BELOW, IF DIFFERENT ELEVATIONS ARE SHOWN) AT THE LOCATION INDICATED)

ELECTRICAL SYMBOLS

	MISCELLANEOUS
	JUNCTION BOX, WALL MOUNT AS INDICATED
	JUNCTION BOX, CEILING MOUNT AS INDICATED
	CLOCK OUTLET, WALL MOUNTED 7'-6" AFF
	MOTOR
	10' BARE #6 COILED & EXOTHERMICALLY WELDED TO COLUMN
	CABLE TELEVISION OUTLET BOX MOUNTED 18" AFF WITH CONDUIT STUBBED ABOVE CEILING. PROVIDE PULL CORD.
	CONDUIT RUN, EXPOSED
	CONDUIT RUN, CONCEALED
	FLEXIBLE CONDUIT



ELECTRICAL SYMBOLS

	PAGING DEVICES
	LOUDSPEAKER OUTLET, CEILING MOUNTED, DIRECTIONAL. SUBSCRIPT "V" DENOTES VOLUME CONTROL.
	LOUDSPEAKER OUTLET, WALL MOUNTED, DIRECTIONAL. SUBSCRIPT "V" DENOTES VOLUME CONTROL.
	LOUDSPEAKER OUTLET, CEILING MOUNTED, BI-DIRECTIONAL. SUBSCRIPT "V" DENOTES VOLUME CONTROL.
	LOUDSPEAKER OUTLET, CEILING MOUNTED. SUBSCRIPT "V" DENOTES VOLUME CONTROL. MOUNT TO ROOF TRUSS WITH BAFFLE BOX IN AREAS WITHOUT CEILINGS.
	\$ _V SPEAKER VOLUME CONTROL
	M MAGNETIC ALARM SWITCH
	D DURESS ALARM SWITCH
	MD MOTION DETECTOR
	CD CAPACITIVE DETECTOR
	CCTV CAMERA LOCATION, CEILING MOUNTED UNLESS INDICATED OTHERWISE
	KS+ KEYPAD ACCESS ALARM OVERRIDE CONTROL
	□ ELECTRIC PUSH-BUTTON
	▲ CARD READER
	ES ELECTRIC STRIKE
	REX REQUEST TO EXIT PUSH BUTTON

ABBREVIATIONS:

AFF = ABOVE FINISHED FLOOR
AFL = ABOVE FINISHED LANDING
GFI = GROUND FAULT INTERRUPTER
IG = ISOLATED GROUND
UIO = UNLESS INDICATED OTHERWISE
WP = WEATHERPROOF CONSTRUCTION
OF/O = OWNER FURNISHED / OWNER INSTALLED
CF/CI = CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
TYP = TYPICAL
NIC = NOT IN CONTRACT
WP = WEATHERPROOF
WR - WEATHER-RESISTANT

GENERAL SYMBOLS NOTES:

- ALL SYMBOLS MAY NOT BE USED.
- MOUNTING HEIGHTS ARE ABOVE FINISHED FLOOR OR GRADE TO THE CENTER LINE OF THE OUTLET, DEVICE, ETC. UNLESS INDICATED OTHERWISE.
- LARGE AMPACITY CIRCUIT DESIGNATION
EXAMPLE: 4 SETS OF 3#500, #250, #1/0G, 4"C
MEANS IN EACH OF FOUR 4" CONDUITS INSTALL THREE 500 KCM CONDUCTORS, ONE 250 KCM NEUTRAL AND ONE #1/0 GROUND.
- FOR CONCRETE SLAB PENETRATIONS WITH PVC, SEE DETAIL 2, SHEET E-601.

COLOR LEGEND:

	EXISTING TO REMAIN
	DEMOLISH
	NEW CONSTRUCTION

LINestyle LEGEND:

	DEMOLISH
	EXISTING TO REMAIN
	NEW



PHILANDER SMITH UNIVERSITY

M.L. HARRIS AUDITORIUM RENOVATION

Design Phase
CONSTRUCTION DOCUMENTS
Revisions
No. Date Description
Stamp
Notes
03-02-2026
1. CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED
2. THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.
Project Number
2024-060
Issue Date
03-02-2026
Sheet Title
ELECTRICAL LEGEND
Sheet Number
E-001

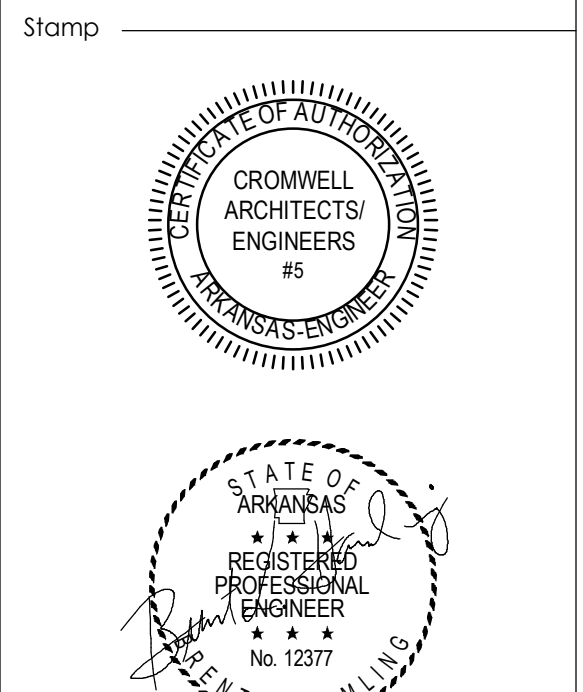


PHILANDER
SMITH
UNIVERSITY

M.L. HARRIS
AUDITORIUM
RENOVATION

Design Phase
**CONSTRUCTION
DOCUMENTS**

Revisions		
No.	Date	Description



Notes
1. CROMWELL ARCHITECTS ENGINEERS, INC.
ALL RIGHTS RESERVED
2. THIS SHEET DESIGNED FOR COLOR PRINTING.
CRITICAL INFORMATION MAY BE LOST WITH
BLACK AND WHITE PRINTING.
Project Number 2024-060
Issue Date 03-02-2026
Sheet Title

FIRST FLOOR ELECTRICAL
DEMOLITION PLAN

Sheet Number

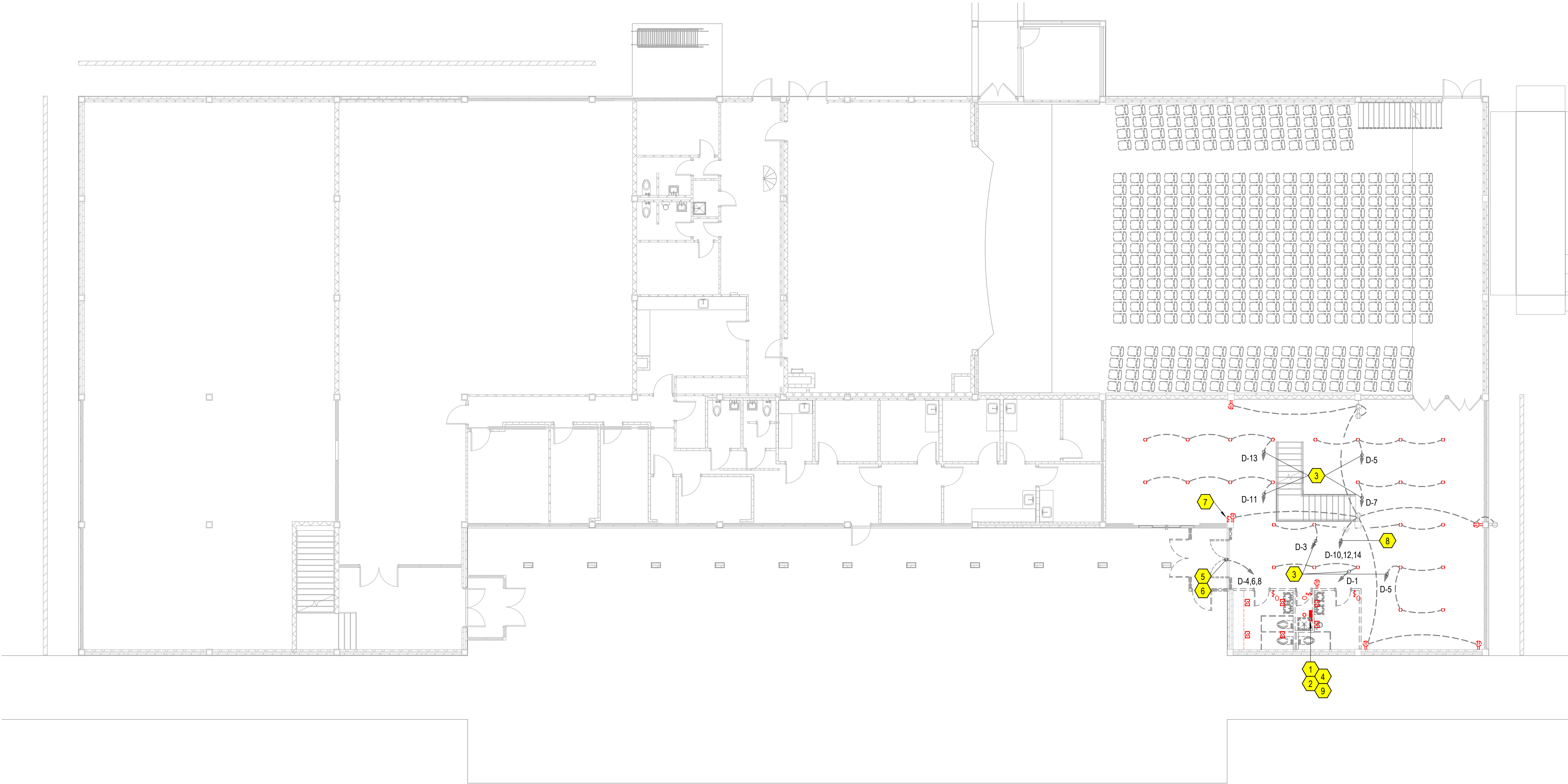
ED101

GENERAL NOTES:

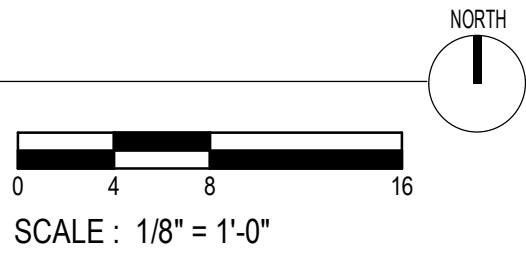
- A. INFORMATION REGARDING EXISTING CONDITIONS WAS TAKEN FROM RECORD DRAWINGS AND CASUAL SITE OBSERVATIONS. CONTRACTOR SHALL VERIFY AND DOCUMENT EXISTING CONDITIONS PRIOR TO DEMOLITION.
- B. REMOVE ALL ELECTRICAL DEVICES, FIXTURES, AND CIRCUITS IN WALLS, CEILINGS, MILLWORK, ETC. TO BE DEMOLISHED, WHETHER SHOWN ON THIS PLAN OR NOT. MAINTAIN CIRCUIT CONTINUITY FOR REMAINING DEVICES.
- C. COORDINATE WITH OTHER DISCIPLINES FOR COMPLETE DEMOLITION.
- D. CONDUIT (EXCEPT CONCRETE-EMBEDDED) AND CONDUCTORS OF DEMOLISHED CIRCUITS SHALL BE REMOVED TO THE POINT OF ORIGIN (PANELBOARD FOR CIRCUITS TO BE COMPLETELY REMOVED AND NEAREST J-BOX FOR CIRCUITS TO BE PARTIALLY REMOVED). INSTALL COVERS ON HOLES IN J-BOXES AND PANELBOARDS.
- E. MODIFY CIRCUITS AS REQUIRED FOR REMAINING DEVICES TO REMAIN OPERATIONAL.
- F. REROUTE CONCEALED CIRCUITS WHICH PASS THROUGH THIS FLOOR, WHICH ARE TO REMAIN TO SERVE DEVICES ABOVE OR BELOW THIS FLOOR.
- G. ANY DEVICES THAT MAY BE REMOVED AS PART OF THIS PROJECT ARE TO BE HANDED OVER TO THE OWNER.
- H. SEE E-101 FOR ITEMS TO REMAIN.
- I. ALL REQUIRED OUTAGES, CONDUIT ROUTING, ETC. WITHIN THE EXISTING BUILDING SHALL BE COORDINATED WITH OWNER 48 HOURS PRIOR TO ANY WORK BEING COMPLETED. SCHEDULE SHALL BE CONTINGENT UPON OWNER APPROVAL.

KEYED NOTES:

- 1 REMOVE PANELBOARD. CUT CONDUIT AT SLAB AND PREPARE FOR FINISHED FLOOR.
- 2 BRANCH CIRCUIT CONDUIT BELOW SLAB MAY BE ABANDONED DUE TO PREVIOUS REMOVAL OF EXTERIOR POLE LIGHTS. FIELD VERIFY TO DETERMINE IF BELOW-SLAB CONDUIT SERVES RECEPTACLES OR OTHER LOADS WHICH ARE TO REMAIN IN USE OR IF CONDUIT CAN BE ABANDONED.
- 3 EXISTING CIRCUITS FROM RECORD DRAWINGS SHOWN FOR INFORMATION ONLY.
- 4 REMOVE PORTION OF SLAB AS REQUIRED TO INTERCEPT BELOW GRADE CONDUITS AND REROUTE IF NECESSARY FOR REUSE.
- 5 TO CANOPY LIGHT FIXTURES.
- 6 MAINTAIN EXISTING AUTOMATIC CONTROLS OF EXTERIOR LIGHTING.
- 7 REMOVE EXISTING LIGHT SWITCH CONTROLLING STAIR LIGHTING.
- 8 REMOVE EXISTING CONDUCTORS. EMBEDDED CONDUIT TO REMAIN FOR REUSE.
- 9 FOR EXTENSION OF EXISTING CIRCUITS SERVING DEVICES OR EQUIPMENT TO REMAIN, WHICH MAY OR MAY NOT BE INDICATED, SEE EP101.



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



**PHILANDER
SMITH
UNIVERSITY**

M.L. HARRIS
AUDITORIUM
RENOVATION

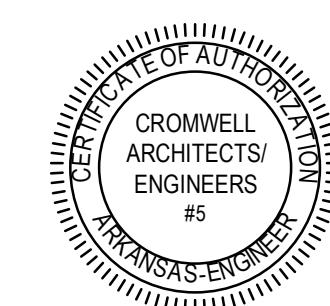
Design Phase

CONSTRUCTION
DOCUMENTS

Revisions

[illegible]

Stamp



Notes

1. CROMWELL ARCHITECTS ENGINEERS, INC.
ALL RIGHTS RESERVED
2. THIS SHEET DESIGNED FOR COLOR PRINTING.
CRITICAL INFORMATION MAY BE LOST WITH
BLACK AND WHITE PRINTING.

Project Number

2024-060

Issue Date

03-02-2026

Sheet Title

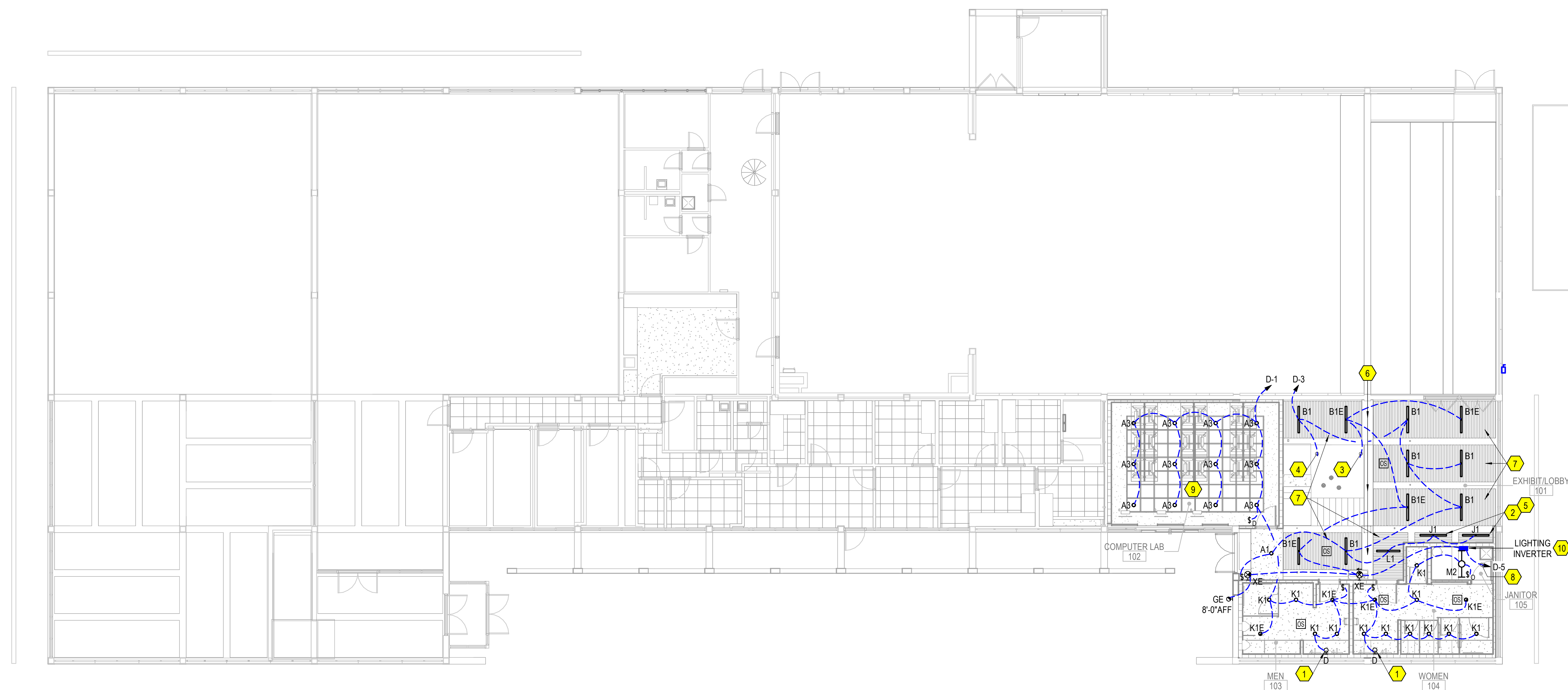
**FIRST FLOOR LIGHTING
PLAN**

Sheet Number

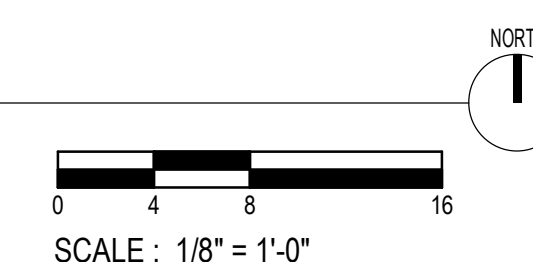
EL101

- A. UNLESS NOTED OTHERWISE, OCCUPANCY SENSOR(S) SHALL CONTROL ALL LIGHT FIXTURES WITHIN THE SPACE IT IS INSTALLED.
- B. LOCATE POWER PACKS FOR OCCUPANCY SENSORS ABOVE CEILING WHERE ACCESSIBLE.
- C. WHERE A SWITCH IS SHOWN IN A ROOM WITH AN OCCUPANCY SENSOR, CONNECT SO THAT WHEN THE SWITCH IS IN THE "OFF" POSITION THE LIGHT FIXTURES ARE OFF, AND WHEN THE SWITCH IS IN THE "ON" POSITION THE OCCUPANCY SENSOR CONTROLS THE LIGHTS.
- D. MAKE ALL FINAL SENSITIVITY AND RANGE ADJUSTMENTS ON OCCUPANCY SENSORS PER MANUFACTURER'S INSTRUCTIONS.
- E. ADJUST THE QUANTITY, LOCATIONS, AND ORIENTATION OF OCCUPANCY SENSORS AS NECESSARY FOR FULL ROOM COVERAGE (HAND MOTION) BASED ON THE BEAM PATTERN OF THE ACTUAL SENSORS INSTALLED. PROVIDE ADDITIONAL SENSORS AS REQUIRED. LOCATE SENSORS SUCH THAT THE DISTANCE BETWEEN SENSORS AND HVAC REGISTERS IS NO LESS THAN THE MINIMUM DISTANCE RECOMMENDED BY THE SENSOR MANUFACTURER.
- F. EXISTING CONSTRUCTION IS CONCRETE WALLS AND CEILING WITH EMBEDDED CONDUIT. DEVICE OUTLET BOXES ARE INTENDED TO FLUSH-MOUNTED AND CONDUITS ARE INTENDED TO BE CONCEALED.

- 1 TWO SCONCES AT THIS LOCATION. SEE ARCHITECTURAL ELEVATION.
- 2 ORIENT ASYMMETRIC FIXTURE TO ILLUMINATE ACCENT WALL.
- 3 TO FIXTURE TYPE HE ABOVE.
- 4 TO FIXTURE TYPE C ABOVE.
- 5 ROUTE CONDUIT FOR THESE FIXTURES FROM JANITOR 13.
- 6 CONCRETE BEAM WITH FURRING.
- 7 FOR LIGHT FIXTURES IN THIS CEILING RECESS, ROUTE CONDUITS WITHIN THE FURRING IDENTIFIED BY KEYED NOTE 6.
- 8 LIGHT FIXTURES ON THIS CIRCUIT ARE NOT TO BE SWITCHED BY OCCUPANCY SENSOR.
- 9 OCCUPANCY SENSORS ARE INTENTIONALLY OMITTED IN THIS ROOM DUE TO PANELBOARD.
- 10 PROVIDE INVERTER EQUAL TO MYERS #LV-1-R-1. MOUNT AT 6'-0" TO BOTTOM OF ENCLOSURE.



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



**PHILANDER
SMITH
UNIVERSITY**

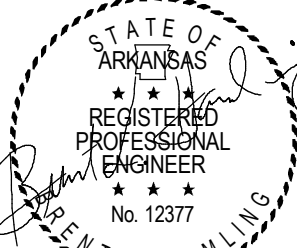
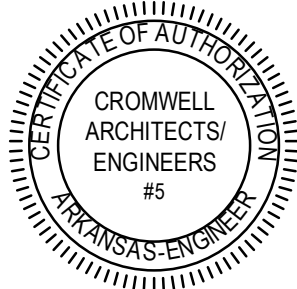
M.L. HARRIS
AUDITORIUM
RENOVATION

Design Phase

**CONSTRUCTION
DOCUMENTS**

Revisions		
No.	Date	Description

Stamp



Notes

1. CROMWELL ARCHITECTS ENGINEERS, INC.
ALL RIGHTS RESERVED

2. THIS SHEET DESIGNED FOR COLOR PRINTING.
CRITICAL INFORMATION MAY BE LOST WITH
BLACK AND WHITE PRINTING.

Project Number 2024-060

Issue Date 03-02-2026

Sheet Title

**SECOND FLOOR LIGHTING
PLAN**

Sheet Number

EL102

GENERAL NOTES:

A. WHERE PORTIONS OF EXPOSED CONDUIT ARE UNAVOIDABLE, PAINT
CONDUIT TO MATCH THE MOUNTING SURFACE. ROUTE CONDUIT IN
CORNERS WHERE FEASIBLE.

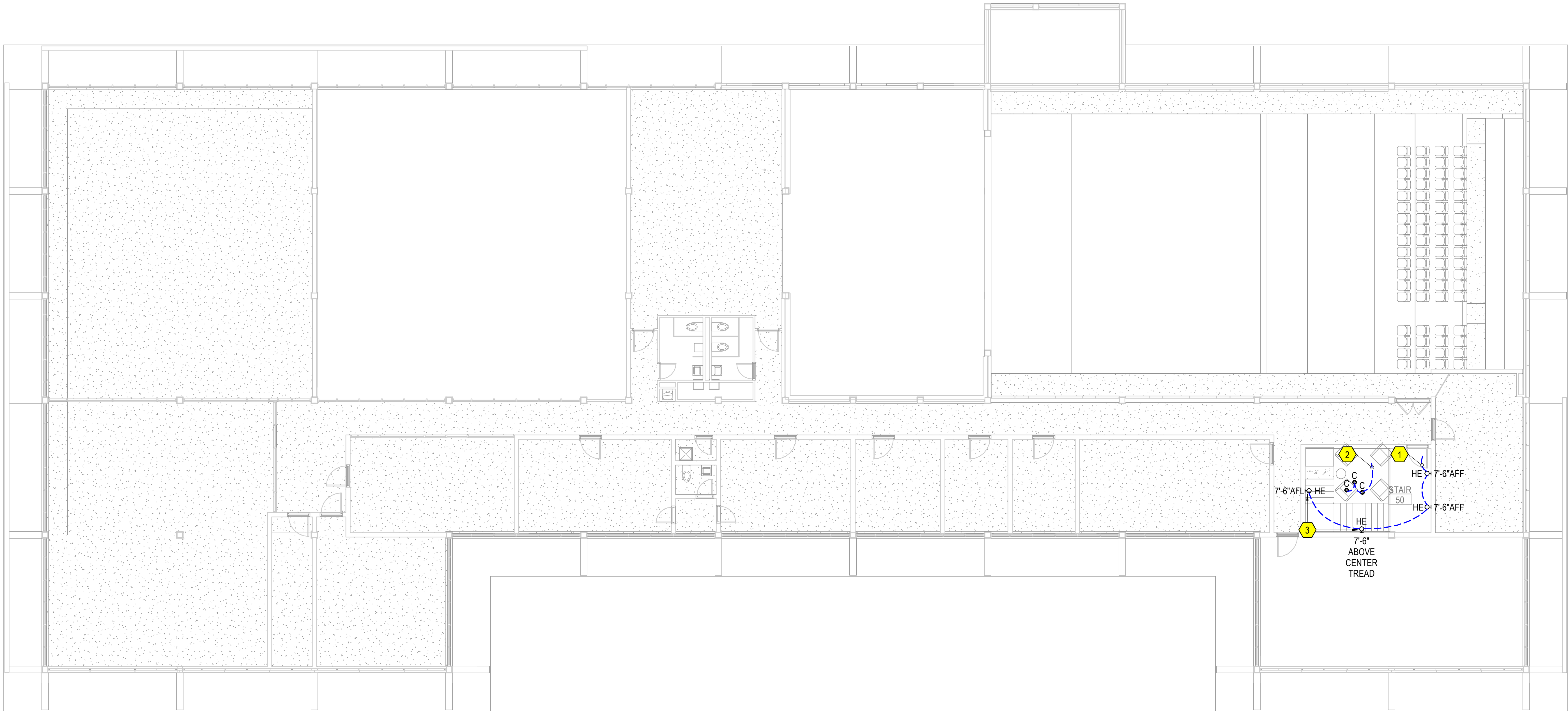
KEYED NOTES:

- 1

TO FIXTURE TYPE B1E BELOW.
- 2

TO FIXTURE TYPE B1 ABOVE.
- 3

STAIR RAILING EXTENDS TO THE 2ND FLOOR. CENTER THE LIGHT FIXTURE
BETWEEN THE VERTICAL MEMBERS OF THE RAILING.



1 SECOND FLOOR LIGHTING PLAN

1/8" = 1'-0"

NORTH



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

GENERAL NOTES:

A. EXISTING CONSTRUCTION IS CMU WALLS AND CONCRETE CEILING WITH EMBEDDED CONDUIT. NEW DEVICE OUTLET BOXES ARE TO BE FLUSH-MOUNTED AND CONDUITS ARE TO BE CONCEALED WITHIN GYP FURR-OUTS.

KEYED NOTES:

- 1

CONNECT TO EXISTING CIRCUIT OF RECEPTACLE REMOVED FROM THIS LOCATION.
- 2

FOR EXISTING RECEPTACLE SHOWN TO REMAIN, REPLACE RECEPTACLE WITH NEW RECEPTACLE AND COVER PLATE.
- 3

FOR EXISTING RECEPTACLE SHOWN TO REMAIN, REPLACE RECEPTACLE WITH NEW GFI, WR RECEPTACLE AND PROVIDE WEATHERPROOF WHILE-IN-USE COVER.
- 4

ROUTE CONDUIT UNDERGROUND (MINIMUM 18" BELOW GRADE) AND STUB-UP IN JANITORS CLOSET. SEE DETAIL 2/E-601.
- 5

PROVIDE J-BOXES FOR FLUSH VALVE AND LAVATORY SENSORS. COORDINATE EXACT QUANTITIES AND LOCATIONS OF POWER SUPPLIES AND J-BOXES WITH DIVISION 22. PROVIDE CONDUIT STUBBED ABOVE ACCESSIBLE CEILING FROM BOXES FOR LOW VOLTAGE WIRING. INSTALL TRANSFORMER ABOVE ACCESSIBLE CEILING.
- 6

AT ORIGINAL PANEL LOCATION, ABOVE CEILING, EXTEND AND RECONNECT EXISTING BRANCH CIRCUIT CONDUITS WHICH ARE TO REMAIN. CIRCUITS MAY BE INTERCEPTED ELSEWHERE IF CONDUIT CAN BE CONCEALED. FOR CIRCUITS BELOW GRADE WHICH HAVE LOADS TO REMAIN, REROUTE CONCEALED, TO ABOVE CEILING. COORDINATE WITH CEILING ACCESS PANEL LOCATION TO MAINTAIN ACCESSIBILITY TO J-BOXES.
- 7

PROVIDE LABEL IDENTIFYING LOCATION OF THE BRANCH CIRCUIT BREAKER SUPPLYING THE FIRE ALARM CONTROL PANEL.
- 8

STUB-OUT FOUR, SPARE, 1" CONDUITS WITH PULL CORDS FROM PANELBOARD TO ABOVE ACCESSIBLE CEILING .
- 9

DISCONNECT EXHAUST FAN ON ROOF. EXTEND CIRCUIT AS REQUIRED AND CONNECT TO UNIT-MOUNTED DISCONNECT SWITCH OF NEW FAN. VERIFY EXISTING CIRCUIT IS 120V/20A.
- 10

OUTDOOR HVAC UNIT PROVIDES POWER TO THE INDOOR UNIT. COORDINATE CABLE/CONDUCTOR REQUIREMENTS WITH MANUFACTURER.



PHILANDER
SMITH
UNIVERSITY

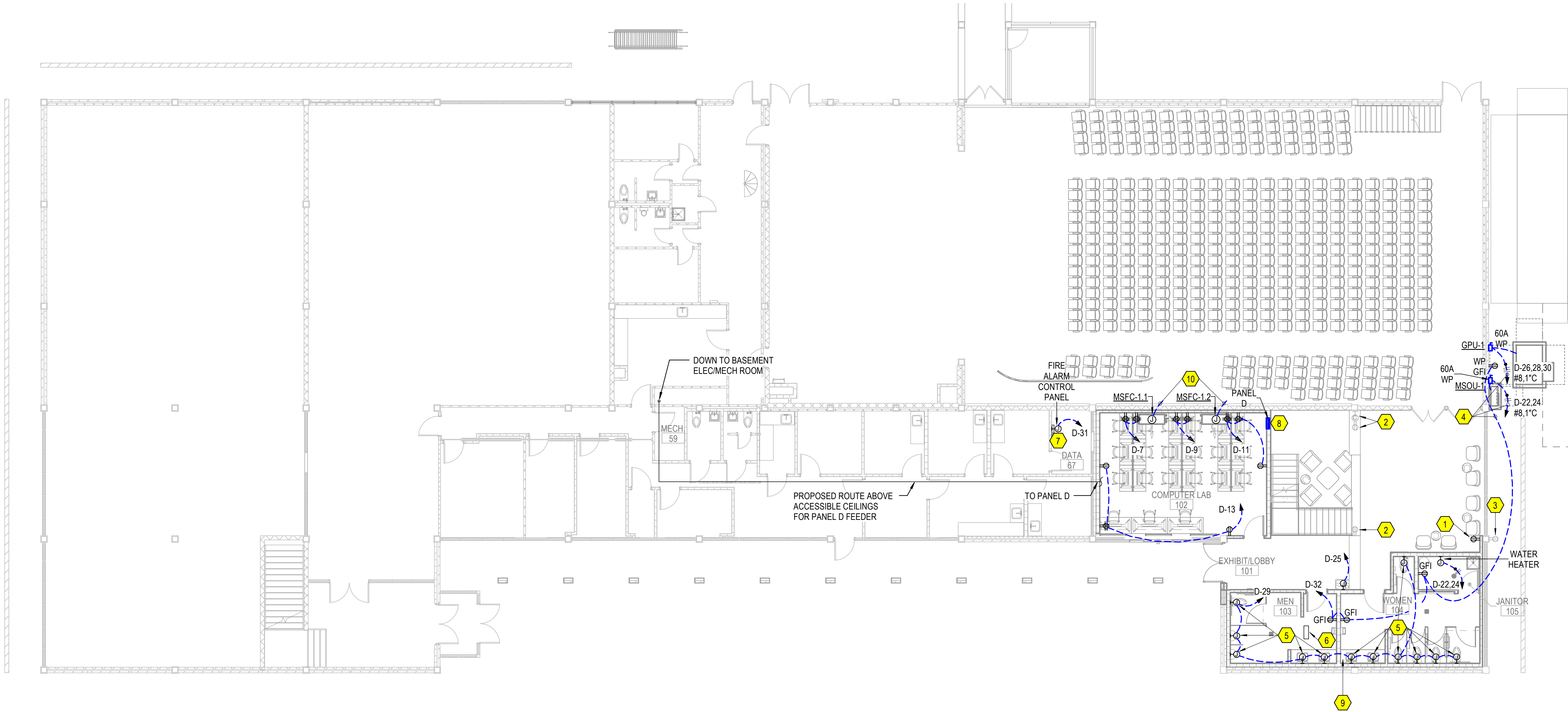
M.L. HARRIS
AUDITORIUM
RENOVATION

Design Phase		
CONSTRUCTION DOCUMENTS		
Revisions		
No.	Date	Description
Stamp		
STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 12377 CROMWELL ARCHITECTS/ENGINEERS, INC. #5 03-02-2026		
Notes		
1. CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED		
2. THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.		
Project Number		
2024-060		
Issue Date		
03-02-2026		
Sheet Title		

FIRST FLOOR POWER PLAN

Sheet Number

EP101



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

PHILANDER
SMITH
UNIVERSITY

M.L. HARRIS
AUDITORIUM
RENOVATION

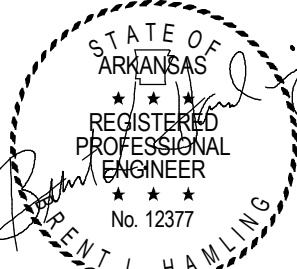
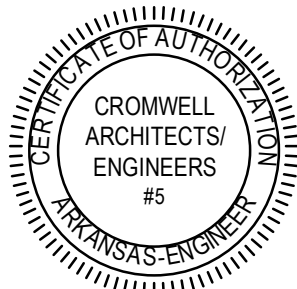
Design Phase

CONSTRUCTION
DOCUMENTS

Revisions

No.	Date	Description

Stamp



Notes

1. CROMWELL ARCHITECTS ENGINEERS, INC.
ALL RIGHTS RESERVED
2. THIS SHEET DESIGNED FOR COLOR PRINTING.
CRITICAL INFORMATION MAY BE LOST WITH
BLACK AND WHITE PRINTING.

Project Number

2024-060

Issue Date

03-02-2026

Sheet Title

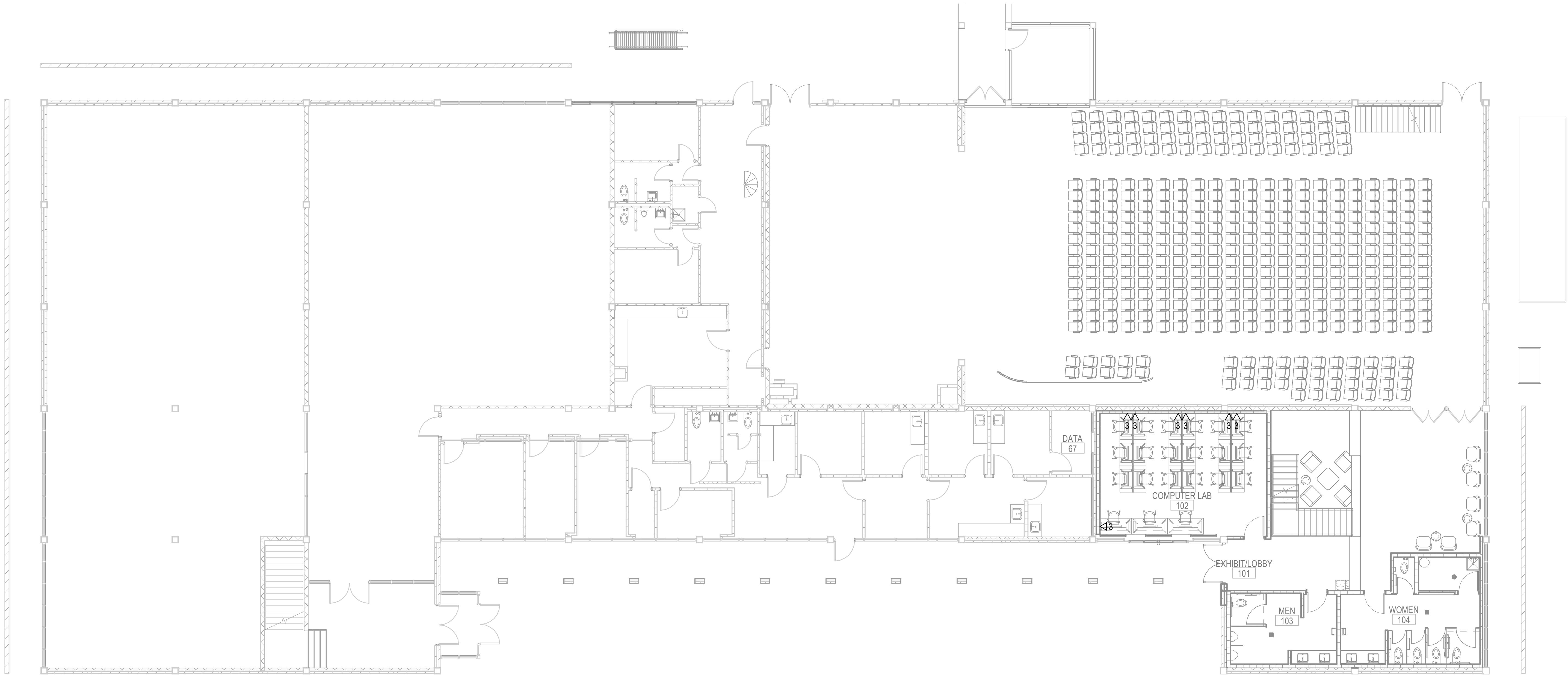
FIRST FLOOR SYSTEMS
PLAN

Sheet Number

ET101

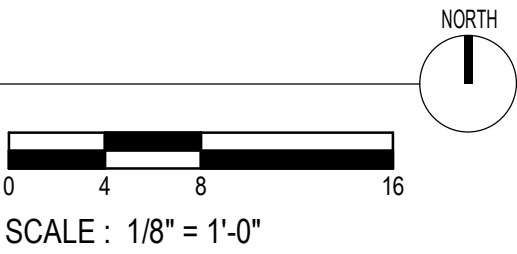
GENERAL NOTES:

- A. PROVIDE J-HOOKS FOR CABLE PATHWAY FOR CONDUIT STUB-OUT TO DATA ROOM.
- B. TERMINATE DATA CABLES IN DATA 67.
- C. PROVIDE PATCH PANEL AS REQUIRED TO ACCOMMODATE NEW CABLES.



1 FIRST FLOOR SYSTEMS PLAN

1/8" = 1'-0"



PANEL		D		MOUNTING SURFACE		LOCATION		COMP LAB		MAIN BUS RATING		100		AMPS			
MAIN		CB		POLES		FRAME		TRIP									
VOLTAGE		208Y/120		PHASE		3				MINIMUM BREAKER INTERRUPTING CAPACITY		10kA					
ACCESSORIES SN + EQP GND																	
DEVICE			BRANCH CIRCUIT					PHASE LOAD			BRANCH CIRCUIT					DEVICE	
AMPS	TRIP	POLES	TYPE	LOAD	DESCRIPTION	VOLT AMPS	NO	A	B	C	NO	VOLT AMPS	DESCRIPTION	LOAD	TYPE	POLES	AMPS
20	1		L		COMP LAB.RR.LTS	414	1	614			2	200	(E) EXTERIOR LIGHTS	L		1	20
20	1		L		LOBBY LTS	254	3		554		4	300	(E) EXTERIOR LIGHTS	L		1	20
20	1		L		LOBBY LTS	150	5				6	400	(E) EXTERIOR LIGHTS	L		1	20
20	1		R		COMP LAB RECEPS	720	7	1020			8	300	(E) EXTERIOR LIGHTS	L		1	20
20	1		R		COMP LAB RECEPS	720	9		1260		10	540	(E) LOBBY RECEPS	R		1	20
20	1		R		COMP LAB RECEPS	900	11			1260	12	360	(E) LOBBY RECEPS	R		1	20
20	1		R		COMP LAB RECEPS	720	13	1260			14	540	(E) LOBBY RECEPS	R		1	20
20	1		M		(E) UNKNOWN		15				16		(E) UNKNOWN	M		1	20
20	1		M		(E) UNKNOWN		17				18		(E) UNKNOWN	M		2	30
20	1		M		(E) UNKNOWN		19				20		-	M			-
20	1		M		(E) UNKNOWN		21		2600		22	2600	MSOU-1	H		2	40
20	1		M		(E) UNKNOWN		23			2600	24	2600		H			-
20	1		G	M	WATER COOLER	600	25	3351			26	2751	GPU-1	H		3	40
20	1				SPARE		27		2751		28	2751		H			-
20	1		M		RR PLUMBING SENSORS	200	29			2951	30	2751		H			-
20	1		R.O	M	FIRE ALARM CIRCUIT	400	31	1120			32	720	JANITOR.TLT.EXT RECEPS	R		1	20
15	2		L	M	WATER HEATER	750	33		750		34		SPACE				
-					-	750	35				36		SPACE				
					SPACE		37				38		SPACE				
					SPACE		39				40		SPACE				
					SPACE		41				42		SPACE				
TOTAL								7365	7915	8111		23 KVA (CONNECTED)		65 AMPS (CONNECTED)			
												23 KVA (DEMAND)		63 AMPS (DEMAND)			

PANEL SCHEDULE LEGEND

MAIN
CB = CIRCUIT BREAKER
LO = LUGS ONLY

BRANCH CIRCUIT BREAKER TYPE
A = ARC FAULT CIRCUIT INTERRUPTER
G = GROUND FAULT CIRCUIT INTERRUPTER
S = SHUNT TRIP
V = VARIABLE (ADJUSTABLE TRIP)
E = EQUIPMENT GROUND FAULT PROTECTION
L = LOCKOUT DEVICE
O = LOCK ON DEVICE OR BREAKER
R = RED MARKING ON BREAKER

LOAD TYPE
L = LIGHTING
R = RECEPTACLE
H = HVAC
M = MISCELLANEOUS
V = VARIOUS
S = SUBFED

MISCELLANEOUS
SN = SOLID NEUTRAL
EQP GND = EQUIPMENT GROUND BUS
IG = INSULATED GROUND BUS
SPD = SURGE PROTECTIVE DEVICE
AIC = AMPERE INTERRUPTING CAPACITY
KAIC = KILO AMPERE INTERRUPTING CAPACITY
(E) = EXISTING CIRCUIT

KEYED NOTES:

- 1 PROVIDE MULTI-POLE BREAKER FOR MULTIWIRE BRANCH CIRCUITS WHICH ARE TO REMAIN. FIELD VERIFY.

LIGHTING FIXTURE SCHEDULE									
TYPE	MANUFACTURER	CATALOG NUMBER	VOLTAGE	SOURCE	TOTAL FIXTURE LUMENS	MAXIMUM FIXTURE WATTAGE	DESCRIPTION		KEYED NOTES
A1	HE WILLIAMS	4DR-TL-L10-8-35-DIM-UNV-OW-OF-CS-N-F1	120	LED	1000	10	4" DIAMETER RECESSED DOWN LIGHT		
A3	HE WILLIAMS	4DR-TL-L20-8-35-DIM-UNV-OW-OF-CS-N-F1	120	LED	2000	17	4" DIAMETER RECESSED DOWN LIGHT		
B1	HE WILLIAMS	MX2D-4'00-L4/835-S-F-ACFS/Dxx-SxxS8D/B-DIM-UNV-HEW BLACK	120	LED	1500	14	4' LINEAR PENDANT		1
B1E	HE WILLIAMS	MX2D-4'00-L4/835-S-F-ACFS/Dxx-SxxS8D/B-DIM-UNV-HEW BLACK	120	LED	1500	14	4' LINEAR PENDANT		1,2
C	AFX	BRQP42LAJUBDK	120	LED	2750	40	4-LAMP PENDANT. FIELD SELECT 3500K COLOR TEMP.		
D	CAMMAN	W9346-5-LN-30K-CLV-MV-WM-PAB	120	LED	550	10	WALL SCONCE		
GE	HE WILLIAMS	W4CR-12-L15-8-35-PC-WHT-DIM-UNV-W-WMS	120	LED	1250	12	4" DIAMETER EXTERIOR WALL-MOUNT CYLINDER WITH INTEGRAL PHOTOCELL		
HE	HE WILLIAMS	4CR-13-L15-8-35-BLK-DIM-UNV-L-W-CS-AD-WM	120	LED	1500	18	4" DIAMETER WALL MOUNT CYLINDER WITH INTEGRAL DRIVER		2
J1	HE WILLIAMS	MX2D-4'00-L4/835-S-F-ACFS/Dxx-SxxS8D/B-DIM-UNV-HEW BLACK	120	LED	1500	14	4' LINEAR PENDANT, ASYMMETRICAL OPTIC		1
K1	HE WILLIAMS	4DR-TL-L10-8-30-DIM-UNV-FW-OF-SG-N-F1	120	LED	1000	10	4" DIAMETER RECESSED DOWN LIGHT		
K1E	HE WILLIAMS	4DR-TL-L10-8-30-EM/7WRTS-DIM-UNV-FW-OF-SG-N-F1	120	LED	1000	10	4" DIAMETER RECESSED DOWN LIGHT WITH INTEGRAL 7W EMERGENCY BATTERY		
L1	HE WILLIAMS	MX2D-3'06-L4/835-S-F-ACFS/Dxx-SxxS8D/B-DIM-UNV-HEW BLACK	120	LED	1300	12	3'-6" LINEAR PENDANT		1
M2	METALUX	4-SNLED-LD5-27SL-LW-UNV-L840-CD-1	120	LED	2700	21	4' STRIP LIGHT, CHAIN-HUNG AT 9'-0", UIO		
XE	HE WILLIAMS	EXIT/EL-SF-R-OP-BLK-AC-D	120	LED	-	5	EXIT SIGN. AC ONLY. CHEVRONS AND FACES PER PLANS.		2

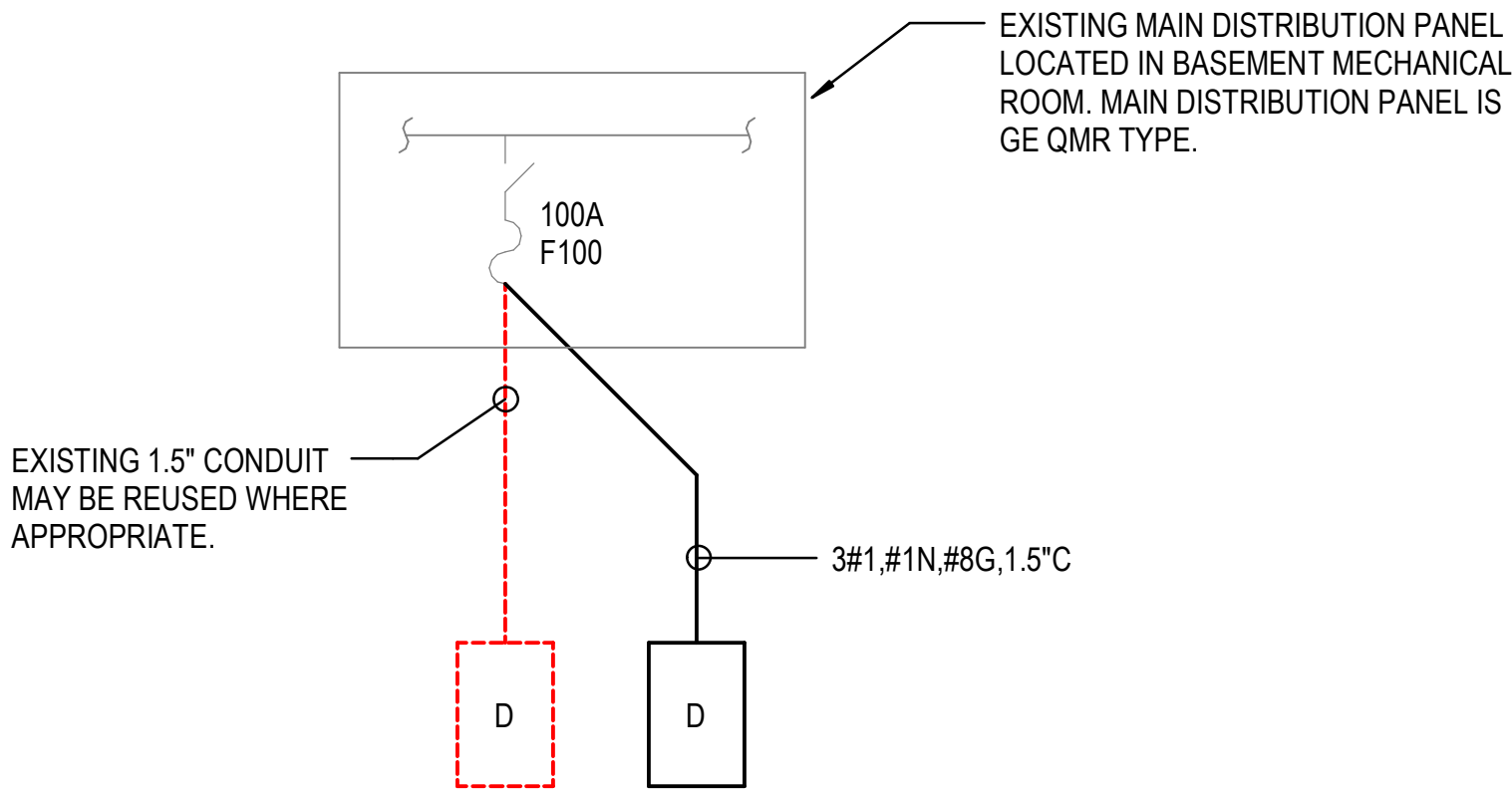
LIGHTING FIXTURE SCHEDULE GENERAL NOTES:

1. PROVIDE FLANGE KIT AND MOUNTING HARDWARE AS REQUIRED.

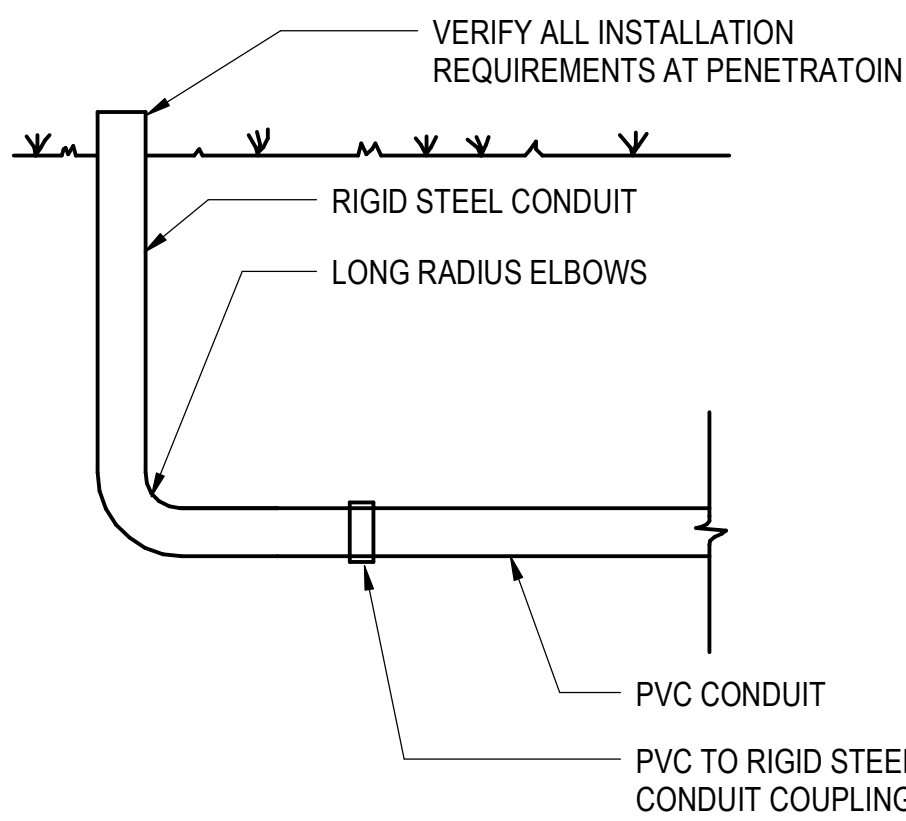
LIGHTING FIXTURE SCHEDULE KEYED NOTES:

1. COORDINATE MOUNTING AND SUSPENSION LENGTH WITH CEILING. BOTTOM OF FIXTURE SHALL BE FLUSH WITH BOTTOM OF CEILING BAFFLES.

2. EMERGENCY LIGHTING FIXTURE IS BACKED UP BY A CENTRAL INVERTER. SEE EL101.



1 PARTIAL SINGLE LINE DIAGRAM
N.T.S.



2 UNDERGROUND RISER
N.T.S.

Project

PHILANDER SMITH UNIVERSITY

PHILANDER SMITH UNIVERSITY

M.L. HARRIS AUDITORIUM RENOVATION

Design Phase

CONSTRUCTION DOCUMENTS

Revisions

No.	Date	Description

Stamp

Notes

1. CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED

2. THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.

Project Number

2024-060

Issue Date

03-02-2026

Sheet Title

ELECTRICAL SINGLE-LINE DIAGRAM, SCHEDULES, AND DETAILS

Sheet Number

E-601