

# MCJA - BUILDING C LIMITED RENOVATIONS

15 OAK GROVE RD  
VASSALBORO, ME 04989

ISSUED FOR BID  
DATE OF ISSUE: APR 8, 2025

## PROJECT TEAM

**OWNER:**  
Maine Criminal Justice Academy  
15 Oak Grove RD  
Vassalboro, ME 04989  
Jack Peck, Director  
[jack.d.peck@maine.gov](mailto:jack.d.peck@maine.gov)

**ARCHITECTS:**  
Simons Architects  
75 York Street  
Portland, ME 04101  
207.772.4656  
Ryan Kanteres, AIA  
[ryan@simonsarchitects.com](mailto:ryan@simonsarchitects.com)  
Pat Barendt, AIA  
[pat@simonsarchitects.com](mailto:pat@simonsarchitects.com)

**STRUCT ENGINEERING, MEP/FP ENGINEERING:**  
Allied Engineering | a Salas O'Brien Company  
160 Veranda St.  
Portland, ME 04103  
207.221.2260  
Anthony Davis, P.E., LEED AP  
[anthony.davis@salasobrien.com](mailto:anthony.davis@salasobrien.com)  
Kenneth Coley, P.E.  
[kenneth.coley@salasobrien.com](mailto:kenneth.coley@salasobrien.com)  
Geoff Chartier  
[jeff.chartier@salasobrien.com](mailto:jeff.chartier@salasobrien.com)  
James Fox, P.E.  
[james.fox@salasobrien.com](mailto:james.fox@salasobrien.com)

## PROJECT SUMMARY

RENOVATION OF FLOORS 2, 3, AND 4 AT MCJA BUILDING C.

EXISTING DORMITORY SPACES ON FLOOR 2 WILL RECEIVE NEW MECHANICAL SYSTEMS AND REFRESHED FINISHES; SPATIAL RELATIONSHIPS WILL REMAIN AS EXISTING.

EXISTING DORMITORY SPACES ON FLOORS 3 AND 4 WILL BE RECONFIGURED WITH NEW WALLS, NEW RESTROOMS, AND NEW MEP SYSTEMS.

TOTAL PROJECT AREA EXCLUSIVE OF EXTERIOR WALLS IS 11,095 GSF.

## ARCHITECTUAL ABBREVIATIONS

AR	ABUSE RESISTANT	E	EAST	JAN	JANITOR	QT	QUART
AB	ANCHOR BOLT	EA	EACH	JC	JANITOR CLOSET	R	RADIUS/RISER/RANGE
ADCL	ACOUSTICAL CEILING TILE	EF	EXHAUST FAN	JT	JOINT	RD	ROOF DRAIN
ADJ	ADDITIONAL	EJ	EXPANSION JOINT			REC	RECREATION
ADJ	ADJACENT	EL	ELEVATION	KIT	KITCHEN	RECT	RECTANGLE
ADMIN	ADMINISTRATION	ELEV	ELEVATOR	LAM	LAMINATE/LAMINATED	REF	REFERENCE
AFF	ABOVE FINISH FLOOR	ELEC	ELECTRIC/ELECTRICAL	LAV	LAVATORY	REQ	REQUIRED
ALUM	ALUMINUM	EQ	EQUAL	LCC	LEAD COATED COPPER	REFR	REFRIGERATOR
ALT	ALTERNATE	EWC	ELECTRIC WATER COOLER	LF	LINEAR FOOT	REIN	REINFORCE/REINFORCING
AP	ACCESS PANEL	EXAM	EXAMINATION	LOT	LIGHT	RESIL	RESILIENT
APROX	APPROXIMATELY	EXIST	EXISTING	LIN	LINEN	REV	REVISE/REVISION
APV	ASPHALT PAVEMENT	EXT	EXTERIOR			RFG	ROUGH OPENING
ARCH	ARCHITECT					RM	ROOM
						RND	ROUND
BD	BOARD	FBO	FURNISHED BY OWNER	MTRL	MATERIAL	SC	SOUTH/SINK
BF	BOTTLE FILLER	FCO	FLOOR CLEAN OUT	MAS	MASONRY	SD	SANITARY
BIT	BITUMINOUS	FD	FIRE DRAIN	MAX	MAXIMUM	SC	SOLID CORE
BLDG	BUILDING	FDP	FIRE CONTROL PANEL	MECH	MECHANICAL	SD	STORM DRAIN
BLKG	BLOCKING	FE	FIRE EXTINGUISHER	MED	MEDICAL	SECT	SECTION
BM	BENCHMARK	FEC	FIRE EXTINGUISHER CABINET	MFR	MANUFACTURER	SHT	SHEET
BRG	BEARING	FEC/GR	FEC, SEMI RECESSED	MGR	MANAGER	SIM	SIMILAR
BTW	BETWEEN	FEC/FR	FEC, FULLY RECESSED	MH	MANHOLE	SPEC	SPECIFICATION(S)
		FG	FIBERGLASS	MIN	MINIMUM	SPF1	SPRAY FOAM INSULATION
CAB	CABINET	FIN	FINISH	MISC	MISCELLANEOUS	SQ	SQUARE
CB	CATCH BASIN	FL	FLOOR	MO	MASONRY OPENING	STC	STANDARD
CEM	CEMENT	FOS	FACE OF STUD	MOLD	MOLDING	STD	STEEL
CF	CUBIC FEET	FT	FOOT	MTD	MOISTURE RESISTANT	STOR	STORAGE
CG	CORNER GUARD	FTG	FOOTING	MTG	MOUNTING	SS	STAINLESS STEEL
CIRC	CIRCLE/CIRCULAR	F.O.	FACE OF	MTL	METAL	SUSP	SUSPENDED
CJ	CONTROL JOINT	GA	GAUGE				
CL	CENTER LINE	GAL	GALLON	N	NORTH		
CLG	CEILING	GALV	GALVANIZED	NATL	NATURAL		
CLO	CLOSET	GC	GENERAL CONTRACTOR	NIC	NOT IN CONTRACT		
CMU	CONCRETE MASONRY UNIT	GL	GLASS	NL	NIGHT LIGHT		
CN	CLEAN OUT	GR	GRANITE	NO	NUMBER		
COL	COLUMN	GWB	GYP SUM WALL BOARD	NTS	NOT TO SCALE		
CONC	CONCRETE	GYP	GYP SUM				
CONST	CONSTRUCTION			OC	ON CENTER		
CONT	CONTINUE, CONTINUOUS	HD	HIGH DENSITY	OCFCI	OWNER FURNISHED CONTRACTOR INSTALLED ONCE		
COOR	CORRUGATED	HR	HOUR	OZ	ONCE		
COORD	COORDINATED	HC	HOLLOW CORE				
CRS	COURSE	HWR	HARDWARE	PNL	PANEL		
CT	CERAMIC TILE	HFS	HALF FULL SCALE	PNT	PAINT		
CTV	CABLE TELEVISION LINE	HGT	HEIGHT	PART BD	PARTICLE BOARD		
CUH	CABINET UNIT HEATER	HMT	HOLLOW METAL	PC	PIECE		
CY	CUBIC YARD	HO	HOLD OPEN	PERM	PERIMETER		
		HORZ	HORIZONTAL	PL	PLATE		
DBL	DOUBLE	HTG	HEATING	PLAS	PLASTER		
DEFL	DEFLECTION	HVAC	HEATING, VENTILATION & AIR CONDITIONING	PLAM	PLASTIC LAMINATE		
DEMO	DEMOLITION			PLYWD	PLYWOOD		
DF	DRINKING FOUNTAIN	HW	HOT WATER	PNT	PAINT		
DIA	DIAMETER	HYD	HYDRANT	POLY	POLYURETHANE		
DIAG	DIAGONAL			PREP	PREPARATION		
DIM	DIMENSION	INCL	INCLUDE/INCLUDING	PSF	POUNDS / SQUARE FOOT		
DR	DIRECTOR/DOOR	ID	INSIDE DIAMETER	PSI	POUNDS / SQUARE INCH		
DIV	DIVISION	IN	INCH	PT	PRESERVATIVE TREATED		
DN	DOWN	INT	INTERIOR	PTD	PAINTED		
DNL	DETAIL	INV	INVERT	PVMT	PAVEMENT		
DWG	DRAWING						

## MATERIALS

	COURSE GRAVEL
	CONCRETE
	STONE
	EARTH/COMPACT FILL
	GYP SUM/PLASTER
	PLYWOOD
	FINISH WOOD
	ROUGH WOOD
	BLOCKING WOOD
	CONCRETE MASONRY
	BRICK MASONRY
	SAND/FINE GRAVEL
	DENSE PAK CELLULOSE INSULATION
	SPRAY FOAM INSULATION
	BATT INSULATION
	XPS INSULATION
	EPS INSULATION

## ARCHITECTURAL SYMBOLS

FINISH MATERIAL	CL1	PROPOSED ELEVATION	TOP OF FIN. FLOOR EL. + X'-X"
CASEWORK TYPE	CW1	BUILDING SECTION	X AXXX
ROOM NUMBER	ROOM NAME 101	BUILDING ELEVATION	X AXXX
DOOR NUMBER	101A	WALL SECTION	X AXXX
WINDOW TYPE	NO	INTERIOR ELEVATION	N X AXXX E S
PARTITION TYPE	MM 01	COLUMN REFERENCE	X
REVISION REFERENCE	1	NEW DOOR	X AXXX
FIRE EXTINGUISHER, RECESSED CABINET	FEC		
FIRE EXTINGUISHER SURFACE MOUNT	FE		
DETAIL			

## DRAWING LIST

● ISSUED IN SET ○ INCORPORATED WITHOUT CHANGES X REMOVED FROM SET

SHEET NO.	SHEET NAME	2025.04.08 - ISSUED FOR BID	2025.04.30 - ADDENDUM 1	2025.05.06 - ADDENDUM 2	TBD
-----------	------------	-----------------------------	-------------------------	-------------------------	-----

GENERAL	G001	COVER SHEET	●				
	G002	LIFE SAFETY PLANS	●				
	G003	CODE SUMMARY	●				
	G004	PARTITION TYPES & TYP. DETAILS	●				
	G005	FIRE DETAILS	●				
	G006	ACCESSIBILITY REQUIREMENTS	●				
DEMO	AD102	SECOND FLOOR DEMO PLAN	●				
	AD103	THIRD FLOOR DEMO PLAN	●				
	AD104	FOURTH FLOOR DEMO PLAN	●				
	AD105	ROOF DEMO PLAN	●				

ARCHITECTURAL	A102	BUILDING C - SECOND FLOOR PLAN	●				
	A103	BUILDING C - THIRD FLOOR PLAN	●				
	A104	BUILDING C - FOURTH FLOOR PLAN	●				
	A105	BUILDING C - ROOF PLAN	●				
	A111	ENLARGED BATH PLANS & ELEVATIONS	●				
	A112	INTERIOR ELEVATIONS - DORMS	●				
	A113	INTERIOR ELEVATIONS - CORRIDORS	●				
	A122	SECOND FLOOR FINISH PLAN	●				
	A123	THIRD FLOOR FINISH PLAN	●				
	A124	FOURTH FLOOR FINISH PLAN	●				
	A125	RESTROOM TILE LAYOUT DETAILS	●				
	A126	FINISHES BOARD	●				
	A132	SECOND FLOOR RCP	●				
	A133	THIRD FLOOR RCP	●				
	A134	FOURTH FLOOR RCP	●				
	A143	THIRD FLOOR FURNITURE PLAN	●				
	A144	FOURTH FLOOR FURNITURE PLAN	●				
	A301	BUILDING SECTIONS	●				
	A302	BUILDING SECTIONS	●				
	A303	BUILDING SECTIONS	●				
	A400	DEDUCT ALT 1	●				
	A401	PLAN DETAILS	●				
	A411	VERTICAL DETAILS	●				
	A421	MILLWORK DETAILS	●				
	A422	TILE & TRANSITION DETAILS	●				
	A601	DOOR SCHEDULES	●				
	A602	DOOR DETAILS	●				
	A603	SIGNAGE SCHEDULE	●				

STRUCT	S000	STRUCTURAL GENERAL INFORMATION	●				
	S102	EXISTING SECOND FLOOR PLAN	●				
	S103	EXISTING THIRD FLOOR PLAN	●				
	S104	EXISTING FOURTH FLOOR PLAN	●				
	S105	EXISTING ROOF PLAN	●				
	S110	STRUCTURAL FRAMING PART PLANS	●				
	S500	STRUCTURAL DETAILS	●				

PLUMBING	P000	PLUMBING AND HVAC NOTES, LEGEND, AND ABBREVIATIONS	●				
	PD102	PLUMBING DRAINAGE DEMOLITION PLAN - SECOND FLOOR	●				
	PD103	PLUMBING DRAINAGE DEMOLITION PLAN - THIRD FLOOR	●				
	PD104	PLUMBING DRAINAGE DEMOLITION PLAN - FOURTH FLOOR	●				
	PD201	PLUMBING SUPPLY DEMOLITION PART PLANS	●				
	PD202	PLUMBING SUPPLY DEMOLITION PLAN - SECOND FLOOR	●				
	PD203	PLUMBING SUPPLY DEMOLITION PLAN - THIRD FLOOR	●				

SHEET NO.	SHEET NAME	2025.04.08 - ISSUED FOR BID	2025.04.30 - ADDENDUM 1	2025.05.06 - ADDENDUM 2	TBD
-----------	------------	-----------------------------	-------------------------	-------------------------	-----

P101	PLUMBING DRAINAGE PART PLANS	●			
P102	PLUMBING DRAINAGE PLAN - SECOND FLOOR	●			
P103	PLUMBING DRAINAGE PLAN - THIRD FLOOR	●			
P104	PLUMBING DRAINAGE PLAN - FOURTH FLOOR	●			
P202	PLUMBING SUPPLY PLAN - SECOND FLOOR	●			
P203	PLUMBING SUPPLY PLAN - THIRD FLOOR	●			
P204	PLUMBING SUPPLY PLAN - FOURTH FLOOR	●			

MECHANICAL	MD101	MECHANICAL DEMOLITION PART PLANS	●				
	MD102	MECHANICAL DEMOLITION PLAN - SECOND FLOOR	●				
	MD103	MECHANICAL DEMOLITION PLAN - THIRD FLOOR	●				
	MD104	MECHANICAL DEMOLITION PLAN - FOURTH FLOOR	●				
	MD105	MECHANICAL DEMOLITION PLAN - ROOF LEVEL	●				
	MD202	MECHANICAL PIPING DEMOLITION PLAN - SECOND FLOOR	●				
	MD203	MECHANICAL PIPING DEMOLITION PLAN - THIRD FLOOR	●				
	MD204	MECHANICAL PIPING DEMOLITION PLAN - FOURTH FLOOR	●				
	MH101	MECHANICAL PART PLANS	●				
	MH102	MECHANICAL PLAN - SECOND FLOOR	●				
	MH103	MECHANICAL PLAN - THIRD FLOOR	●				
	MH104	MECHANICAL PLAN - FOURTH FLOOR	●				
	MH105	MECHANICAL PLAN - ROOF LEVEL	●				
	MP102	MECHANICAL PIPING PLAN - SECOND FLOOR	●				
	MP103	MECHANICAL PIPING PLAN - THIRD FLOOR	●				
	MP104	MECHANICAL PIPING PLAN - FOURTH FLOOR	●				
	M500	MECHANICAL DIAGRAMS	●				
	M501	MECHANICAL DIAGRAM	●				
	M600	MECHANICAL SCHEDULES	●				

ELECTRICAL	E000	ELECTRICAL LEGEND AND ABBREVIATIONS	●				
	E001	ELECTRICAL NOTES	●				
	EL102	LIGHTING PLAN - SECOND FLOOR	●				
	EL103	LIGHTING PLAN - THIRD FLOOR	●				
	EL104	LIGHTING PLAN - FOURTH FLOOR	●				
	EL600	LIGHTING SCHEDULE AND DETAILS	●				
	EP100	POWER & SYSTEMS PLAN - BASEMENT	●				
	EP102	POWER & SYSTEMS PLAN - SECOND FLOOR	●				
	EP103	POWER & SYSTEMS PLAN - THIRD FLOOR	●				
	EP104	POWER & SYSTEMS PLAN - FOURTH FLOOR	●				
	EP105	POWER & SYSTEMS PLAN - ROOF	●				
	E400	ELECTRICAL ENLARGED PLANS	●				
	E500	ONLINE DIAGRAMS AND NOTES	●				
	E501	ELECTRICAL DETAILS	●				
	E600	ELECTRICAL SCHEDULES	●				
	E601	PANEL SCHEDULES	●				

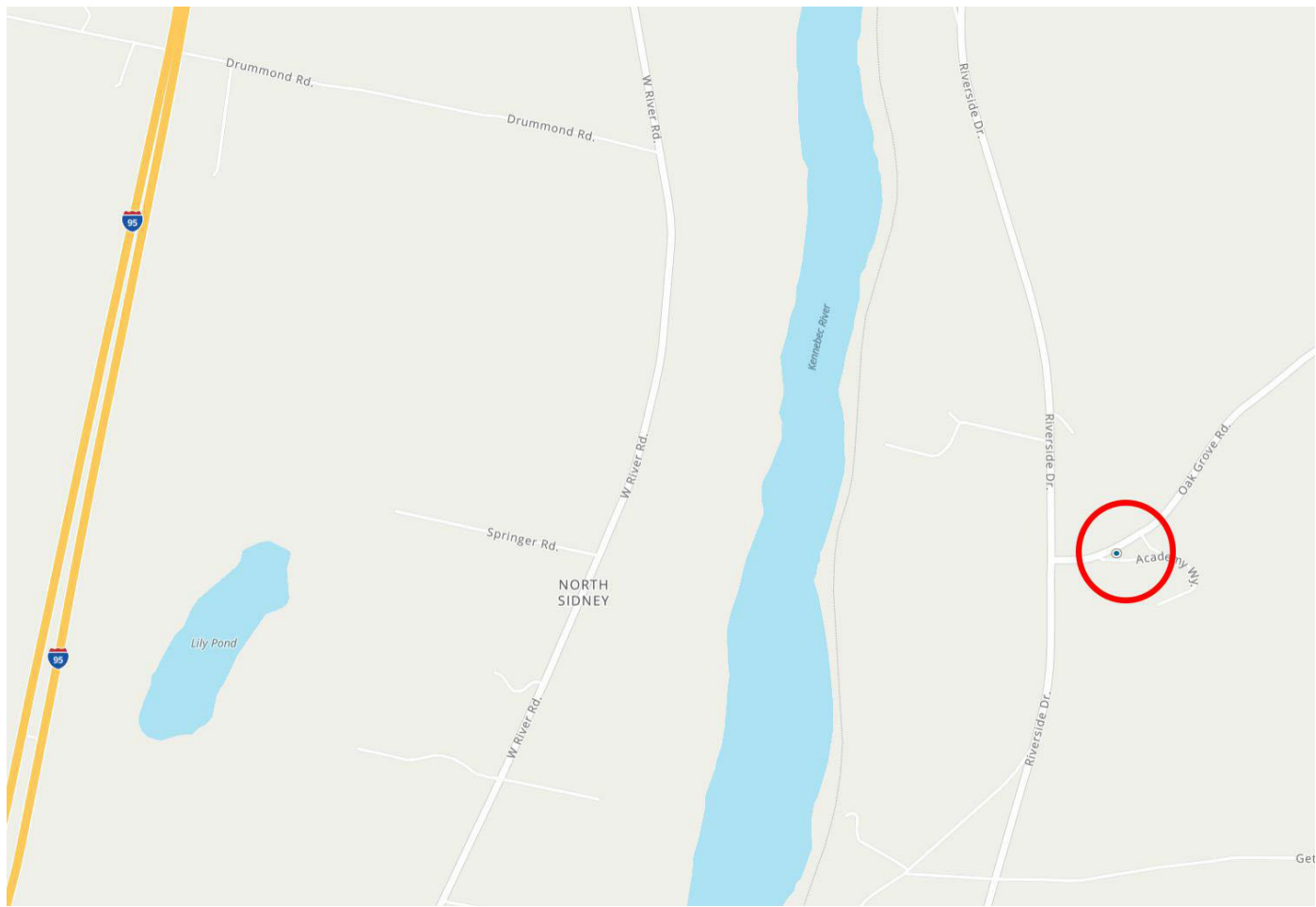
## ALTERNATES

### DEDUCT ALTERNATE 1

DELETE TYPE W6 WALLS FROM PROJECT.  
PARTIAL LIST OF ASSOCIATED WORK:  
- EXISTING EXTERIOR WALLS TO REMAIN AND BE REPAINTED ON INTERIOR SIDE.  
- DELETE NEW WINDOW SILLS; REFINISH EXISTING WOOD WINDOW SILLS.  
- REDUCE WORK AT WINDOW JAMBS AND HEADS.  
- DELETE CEILING SOFFIT AT EXTERIOR WALLS ON FLOOR 3.  
- DELETE ADJUSTMENT TO RADIATOR PIPING AT EXTERIOR WALLS ON FLOORS 3 AND 4.  
- RETAIN EXISTING WIREMOLD AT EXTERIOR WALLS, RECONFIGURE OUTLETS.  
REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

### DEDUCT ALTERNATE 2

DELETE HEAT PUMPS AND CORRESPONDING OUTDOOR UNITS FROM FLOOR 2 SPACES ONLY. VENTILATION AIR TO REMAIN AS DOCUMENTED.



simons architects  
designed for human potential

75 York Street  
Portland, Maine 04101  
[simonsarchitects.com](http://simonsarchitects.com)  
207.772.4656

PROJECT NAME:

## MCJA - BUILDING C LIMITED RENOVATIONS

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

## NOT FOR CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF SIMONS ARCHITECTS (SA) AND IS NOT TO BE COPIED OR REPRODUCED IN PART OR WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APR 8, 2025

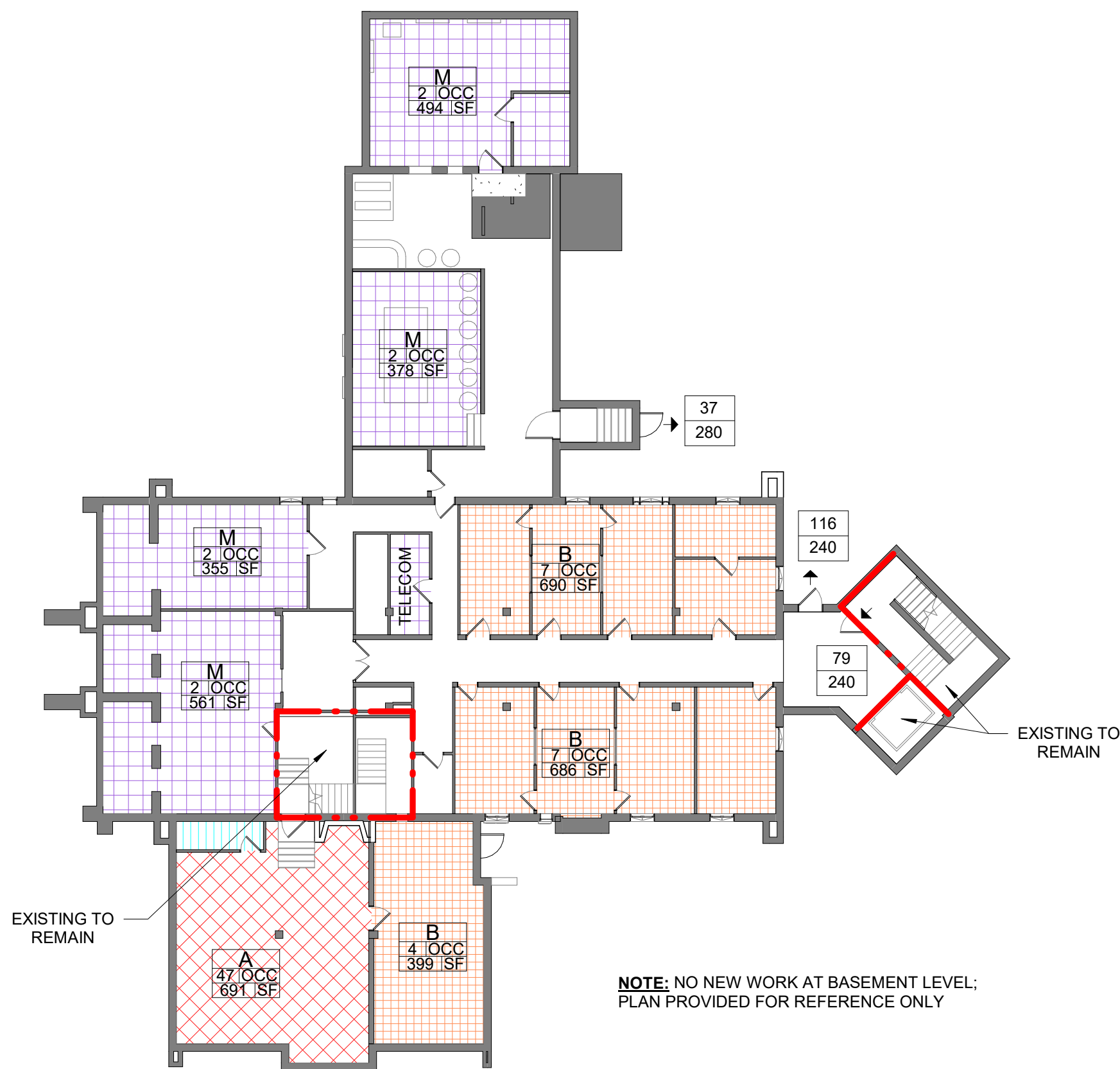
PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID

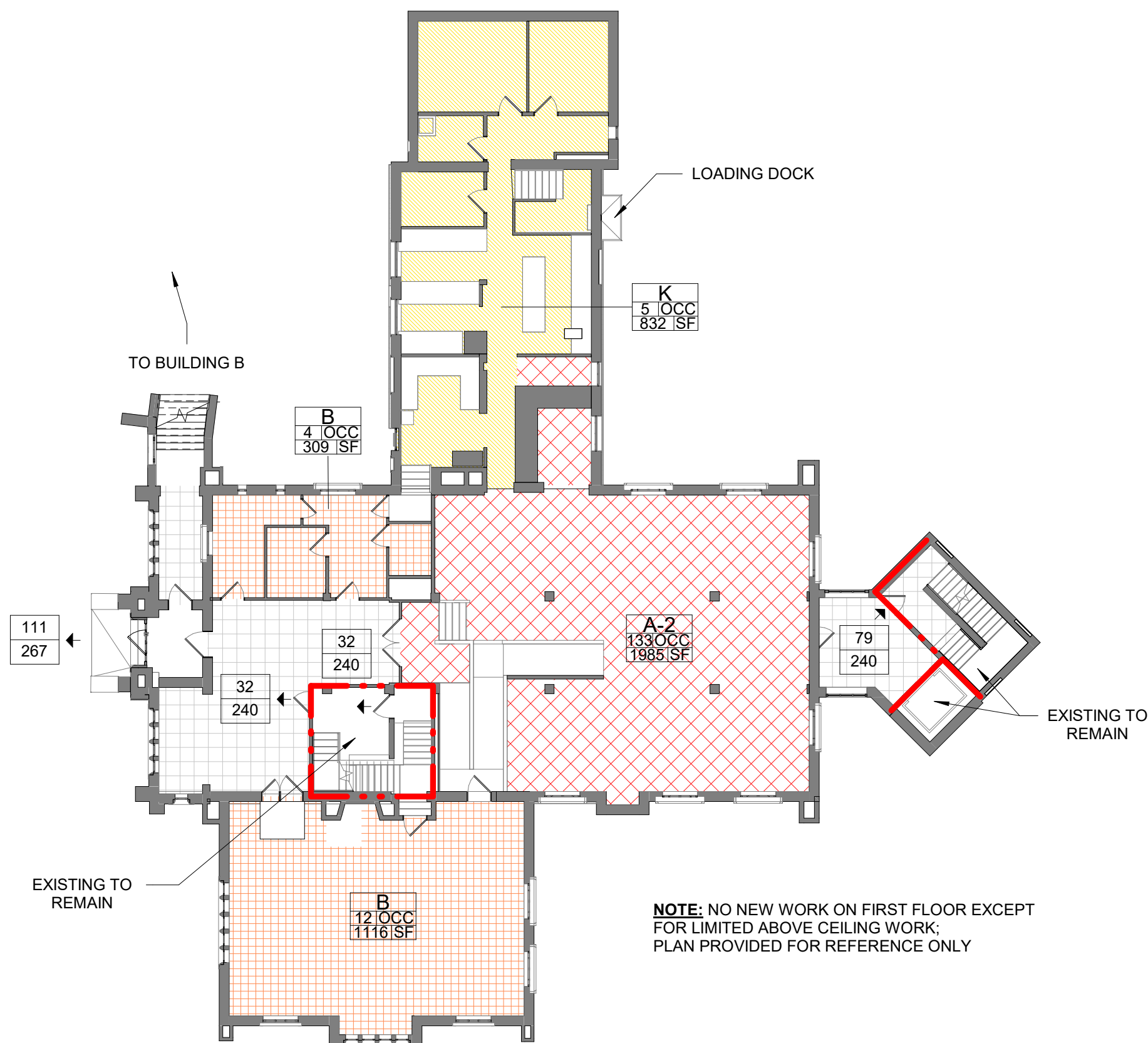
## COVER SHEET

## G001





0 LIFE SAFETY - BASEMENT - EXISTING TO REMAIN  
1/16" = 1'-0"



1 LIFE SAFETY - FIRST FLOOR PLAN - EXISTING TO REMAIN  
1/16" = 1'-0"



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

#### OCCUPANT LOADS (NFPA 101 2003, TABLE 7.3.1.2)

NFPA USE	AREA (GROSS SF)	SF/OCCUPANCY	TOTAL OCCUPANTS
ASSEMBLY (A-2)	2,844	15	192
BUSINESS	4,810	100	51
CIRCULATION	4,981	0	0
KITCHEN	1,303	200	9
MECH	1,853	300	9
R-2	7,540	50	179
R-2 (ACCESSORY STORAGE)	0	0	0
S-1	32	300	2
S-2	41	300	1
TOTALS	23,404		443

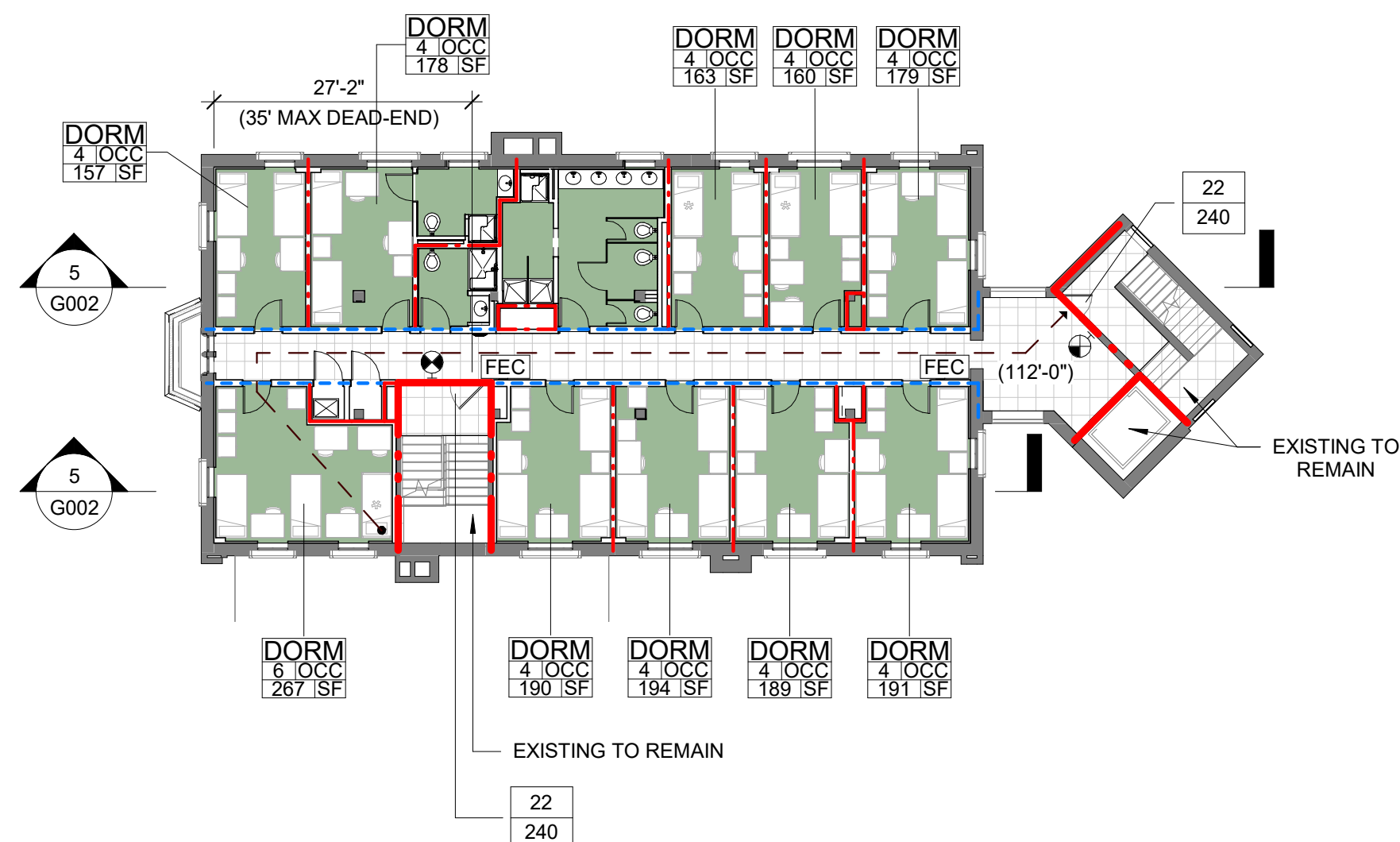
#### OCCUPANCY LEGEND

- MECH
- S-2
- ASSEMBLY (A-2)
- BUSINESS
- KITCHEN
- CIRCULATION
- R-2

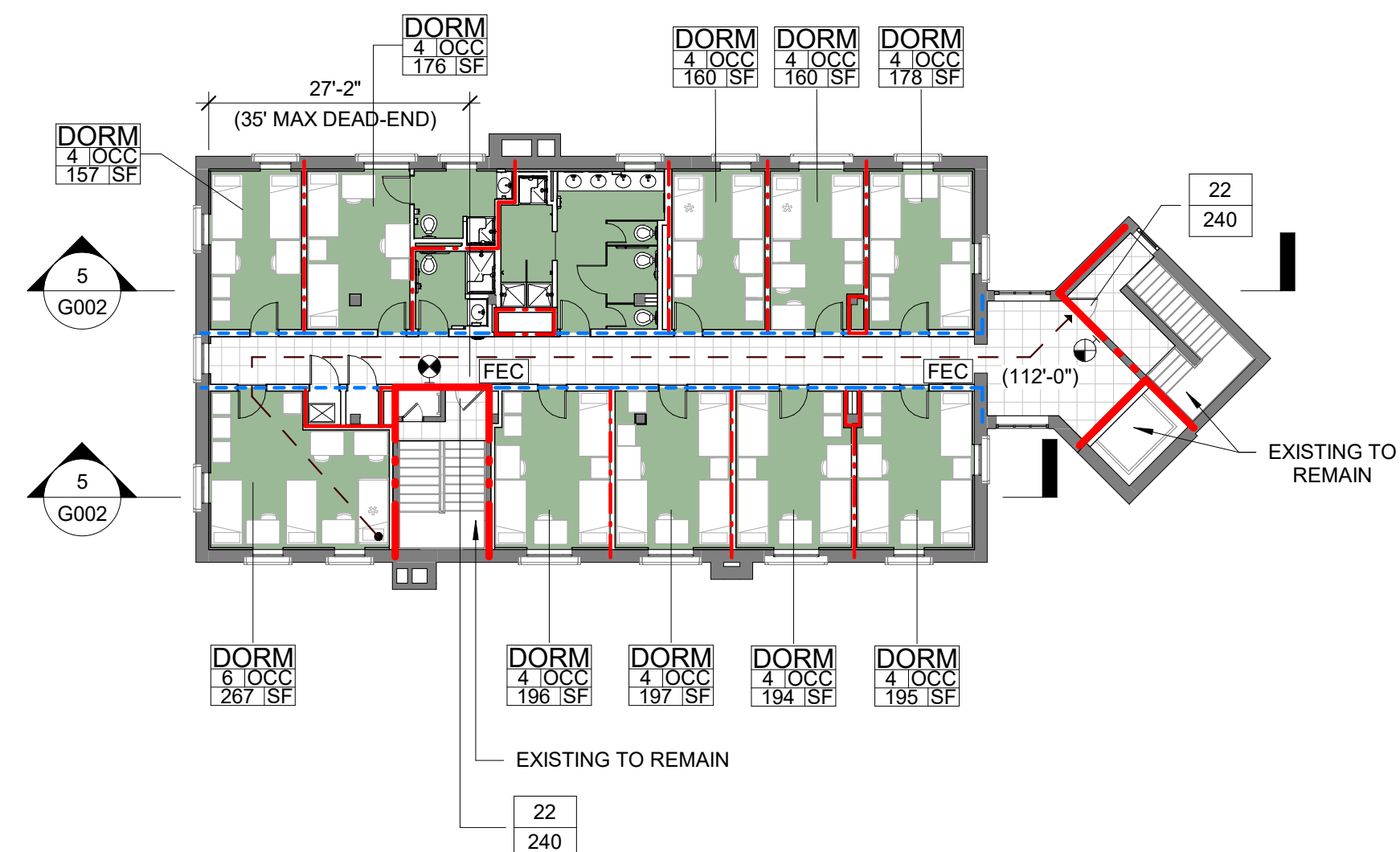
#### LIFE SAFETY PLAN LEGEND:

- USE TYPE, (###) DENOTES ACCESSORY USE
- OCCUPANTS
- ROOM AREA
- OCCUPANT EGRESS LOAD AT DOOR/STAIR
- DOOR/STAIR OCCUPANT CAPACITY
- DIRECTION OF EGRESS
- EXIT KEY
- DISTANCE TO EXIT
- DIAGONAL / SEPARATION DISTANCE
- PATH OF EGRESS (LEG DISTANCE)
- 1-HOUR FIRE RATED SEPARATION WITH 1 HOUR OPENINGS
- 2-HOUR RATING
- SMOKE SEPARATION WITH 20 MINUTE OPENINGS
- FIRE EXTINGUISHER
- FIRE EXTINGUISHER CABINET
- ILLUMINATED EXIT SIGN (WALL MOUNTED)
- ILLUMINATED EXIT SIGN (CEILING MOUNTED)
- \* KNOX BOX (NOT PICTURED, LOCATED AT BUILDING B GRADE-LEVEL ENTRY LOBBY).
- \* FIRE ALARM CONTROL PANEL (NOT PICTURED, LOCATED IN BUILDING B BASEMENT).
- \* FIRE ALARM ANNUNCIATOR (NOT PICTURED, LOCATED AT BUILDING B GRADE-LEVEL ENTRY LOBBY).
- \* FIRE DEPARTMENT CONNECTION (NOT PICTURED, LOCATED ON GYM AT BUILDING B).
- \* EXISTING LOCATION UNCHANGED.

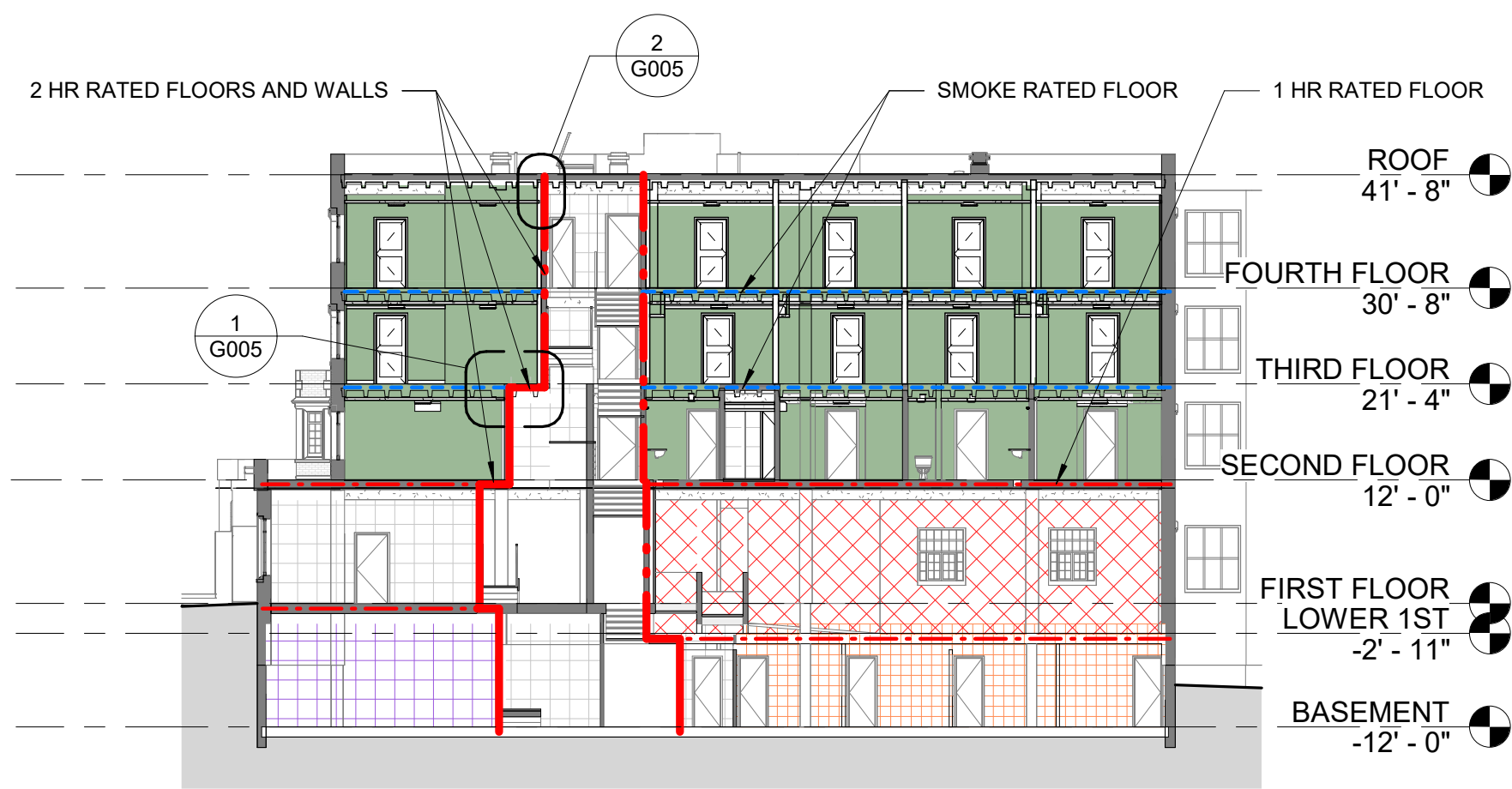
NOTE: SEE EP & EL SHEETS FOR FIRE ALARM AND EMERGENCY / LIGHTING DEVICES.



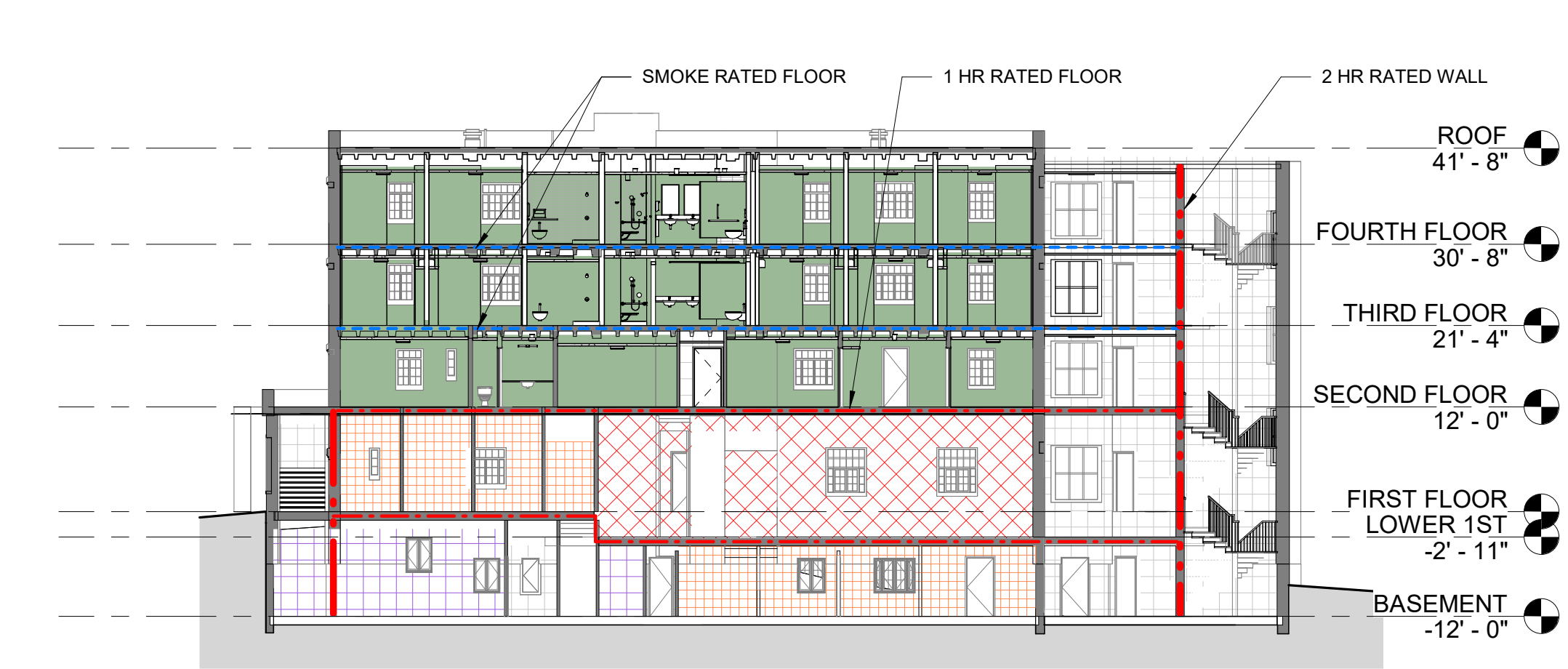
3 LIFE SAFETY - THIRD FLOOR PLAN  
1/16" = 1'-0"



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



5 LIFE SAFETY SECTION B  
1/16" = 1'-0"



6 LIFE SAFETY SECTION A  
1/16" = 1'-0"

PROJECT NAME:

MCJA - BUILDING  
C LIMITED  
RENOVATIONS

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

NOT FOR  
CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT TO  
BE COPIED OR REPRODUCED IN PART OR  
WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

REVISIONS

DATE OF ISSUE: APR 8, 2025

PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID

LIFE SAFETY  
PLANS

G002



CODE SUMMARY:

APPLICABLE CODES

\*NOTE: All Codes shall include changes/amendments by the State of Maine

Maine Uniform Building and Energy Code "MUBEC" consisting of the following applicable codes:

- 2015 International Existing Building Code (IEBC 2015) per section 504, this project is a **Level 2 Alteration**
- 2015 International Building Code (IBC) Commercial Building Code
- 2015 International Energy Conservation Code (IECC)
- 2015 International Residential Code (IRC) Residential Building Code
- 2021 Plumbing Code
- 2020 National Electrical Code (NFPA 70)
- 2013 Indoor Commercial Ventilation Code / ASHRAE 62.1 (Standards)
- 2013 Indoor Residential Ventilation Code / ASHRAE 62.1 (Standards)

FIRE & LIFE SAFETY

NFPA Life Safety Code as adopted by the State of Maine including but not limited to:

- 2018 NFPA 001: Fire Code
- 2018 NFPA 101: Life Safety Code
- 2016 NFPA 13: Installation of Sprinkler Systems
- 2019 NFPA 72: Fire Alarm and Signaling

ACCESSIBILITY

- 2010 ADA Standards for Accessible Design
- 2009 Maine Accessibility Code (A117.1, 2009)

OCCUPANCY CLASSIFICATION

- (IBC 2015, Chapter 3)
- Separated Mixed Use
- Residential R-2 (Dormitory)
- Assembly A-2
- Business B
- Project does not change existing conditions from dormitory occupancy to dormitory occupancy. Extent of new work is within existing dormitory occupancy.

AUTOMATIC SUPPRESSION SYSTEM

- (NFPA 13)
- Automatic sprinkler system provided throughout building.

Sprinklers in Concealed Spaces

- (NFPA 13 sec. 8.15)
- Not required for concealed spaces formed by non-combustible and limited-combustible materials.

TYPES OF CONSTRUCTION

- (IBC Sec. 602)
- IIB - Unprotected Non-combustible
- Type II (000) - Unprotected Non-combustible

FIRE RESISTIVE RATINGS

- (IBC Table 601, 602), (NFPA Table A.8.2.1.2)

	TYPE IIB
STRUCTURAL FRAME	0
BEARING WALLS, EXTERIOR AND INTERIOR	0
NON-BEARING WALLS AND PARTITIONS, EXTERIOR	0
NON-BEARING WALLS AND PARTITIONS, INTERIOR	0
FLOOR CONSTRUCTION AND SECONDARY MEMBERS	0
ROOF CONSTRUCTION AND SECONDARY MEMBERS	0

GENERAL BUILDING INFORMATION AND ALLOWABLE BUILDING HEIGHTS AND AREA

- (IBC Table 504.3, 504.4, 506.2)

	Proposed	Allowed
Building Height:	51'	75'
Stories Above Grade:	4 Stories	5
Areas		
2nd Floor	4,475 GSF	48,000 GSF
3rd Floor	3,310 GSF	48,000 GSF
4th Floor	3,310 GSF	48,000 GSF
Total Area	11,095 GSF	240,000 GSF

OCCUPANCY LOAD

- (IBC Table 1004.1.2), (NFPA 101 Table 7.3.1.2) (NFPA 101 30.1.7)

- R-2 Residential 1/200 Gross SF or probable use, whichever is greater
- A-2 Assembly 1/15 Net SF
- B Business 1/100 Gross SF
- S Storage 1/300 Gross SF
- M Mechanical 1/300 Gross SF

INTERIOR WALLS, PARTITIONS, AND BARRIERS

- (IBC 708.3, Table 1020.1) (IBC 420) (IBC 713), (NFPA 101 30.3.6.1.2) (NFPA 101 30.2.2.1.2)

- Shafts & Vert Exit Enclosures 4 Stories - **2 HR** (Openings 90 mins)
- Sprinkler, Mechanical & Electrical - **1 HR** (Openings 45 mins)
- Unit Demising Walls - **1 HR**
- Corridor Walls - **SMOKE** + 0.5 HR (Openings 20 mins)

REQUIRED INCIDENTAL OCCUPANCY SEPARATIONS

- (IBC Table 508.4 footnote a, b, c, 406.3.4)(NFPA Table 6.1.14.4.1)(NFPA 101 30.3.2.1.1\*)
- S-1(Storage) 1 HR
- Trash 1 HR
- Laundry Room 1 HR

INTERIOR FINISHES

- (NFPA 101 30.3.3.2)
- Interior Wall and Ceiling Finish. Interior wall and ceiling finish materials complying with Section 10.2 shall be permitted as follows:

- (1) Exit enclosures Class A
- (2) Lobbies and corridors Class A or Class B
- (3) Other spaces Class A, Class B, or Class C

PLUMBING FIXTURES

- (UPC 422.1)
- R-2 Dormitories
- Male - 1 WC per 10, 1 WC per each additional 25
- Male - 1 Urinal per 25, 1 Urinal per each additional 50 over 150
- Male - 1 Lav per 12, 1 Lav per each each additional 20
- Female - 1 WC per 8, 1 WC per each additional 20
- Female - 1 Lav per 12, 1 Lav per each each additional 15
- Drinking Fountains - 1 per 150
- Service Sink - 1

Calculations

Floor 2:

Unchanged

Floors 3 and 4:

- (39) Dorm Occupants (exclusive of Cadre Room with dedicated restroom)
- 80% Male, 20% Female
- (31) Male; (8) Female
- Male - 2 WCs
- Male - 2 Urinals
- Male - 2 Lavatories
- Female - 1 WC
- Female - 1 Lavatory

- (27) Dorm Beds (exclusive of Cadre Room with dedicated restroom)
- 80% Male, 20% Female
- (22) Male; (5) Female
- Male - 2 WCs
- Male - 1 Urinal (provided as additional WC)
- Male - 2 Lavatories
- Female - 1 WC
- Female - 1 Lavatory

MEANS OF EGRESS

- (IBC Chapter 10, NFPA 101 Chapter 7, 14, 15)

EGRESS WIDTH PER OCCUPANT

- (IBC 1005.1), (NFPA 07.3.3.1)

- 0.2 inches per occupant for stairways
- 0.15 inches for other egress components

STAIRWAY WIDTH

- (IBC 1009.3, 1011.2), (NFPA 101 Table 7.2.2.2.1.2(B), 7.3.3.1.2)
- 0.2 inches per occupant
- 44 inch width min. for <2000 yet >50

EXIT ACCESS

Egress travel distance

- (NFPA 101, Table A.7.6)
- For A,B,E,S-1 <250'
- Residential R-2 325'

Egress travel distance / common path of travel

- (NFPA 101, Table A.7.6)

- For Assembly *Travel Distance / Common Path of Travel* 200' / <20' or <75' where occupancy is ≤ 50
- For Educational 200' / <100'
- For Business 300' / <100'
- For Storage 400' / <100'
- Residential R-2 325' / <35'

Corridor Width

- (IBC 1020.2), (NFPA 101 30.2.3.3, NFPA 7.3)
- Not less than 44"
- Not less than 36" when less than 50 occupants

Dead-End Corridor

- (NFPA 101 Table A.7.6)
- For Assembly 20'
- For Educational 50'
- For Business 50'
- For Storage 100'
- For Residential 50'

Hoistway Opening Protection

- (IBC 3006.2)
- Not Required.



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656

PROJECT NAME:

MCJA - BUILDING C LIMITED RENOVATIONS

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

NOT FOR CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF SIMONS ARCHITECTS (SA) AND IS NOT TO BE COPIED OR REPRODUCED IN PART OR WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APR 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID

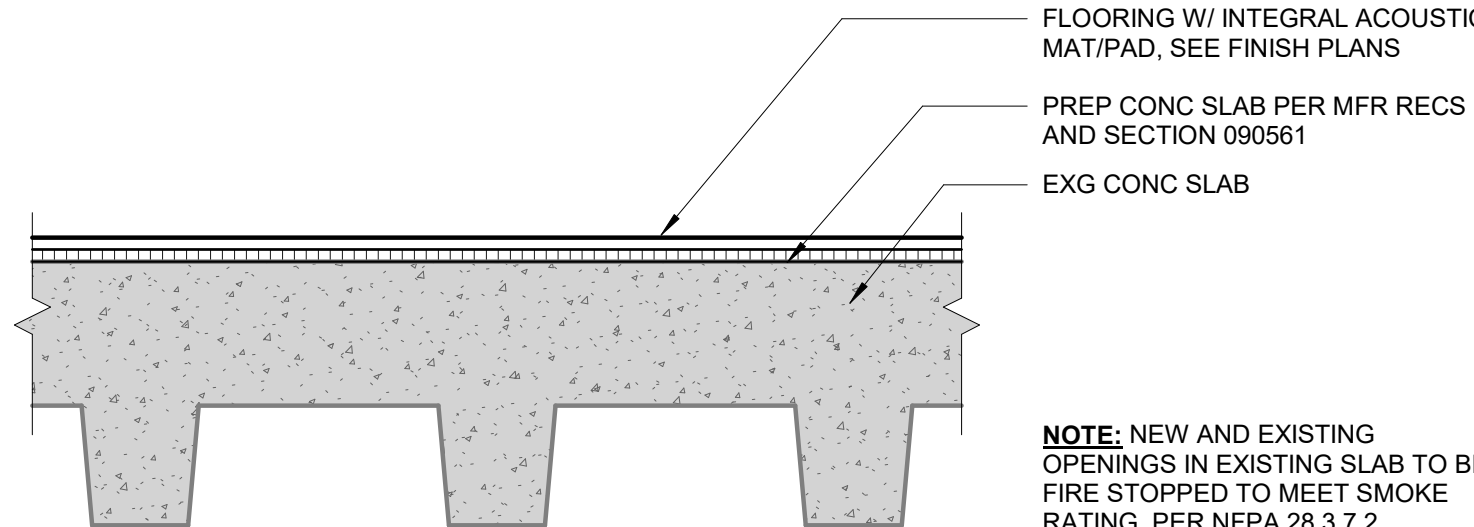
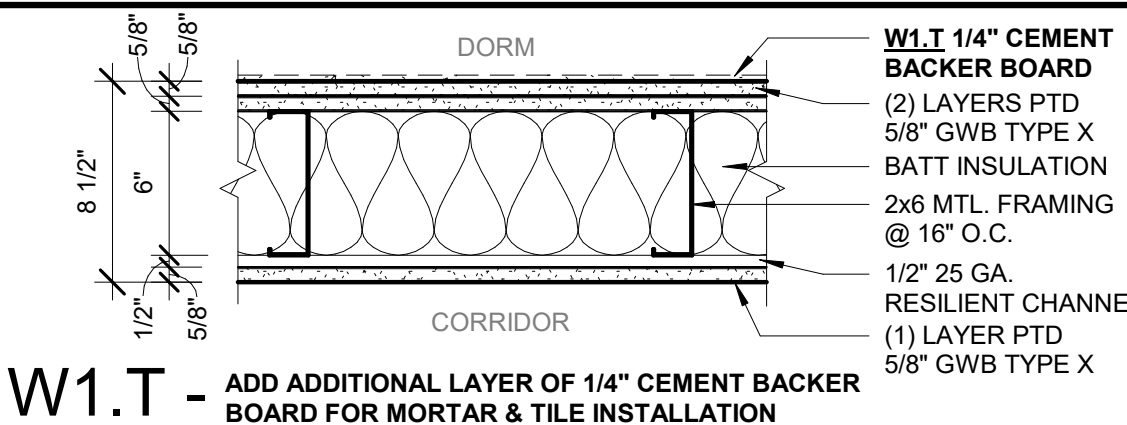
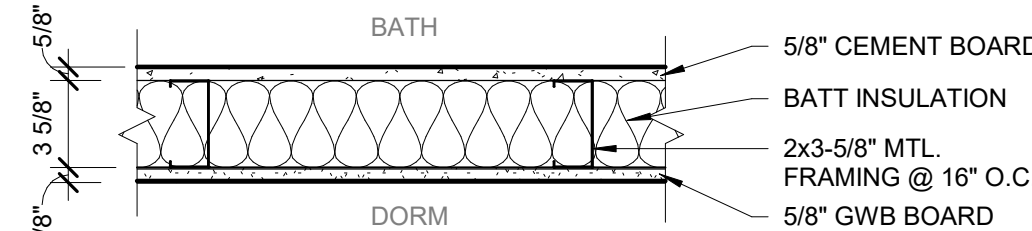
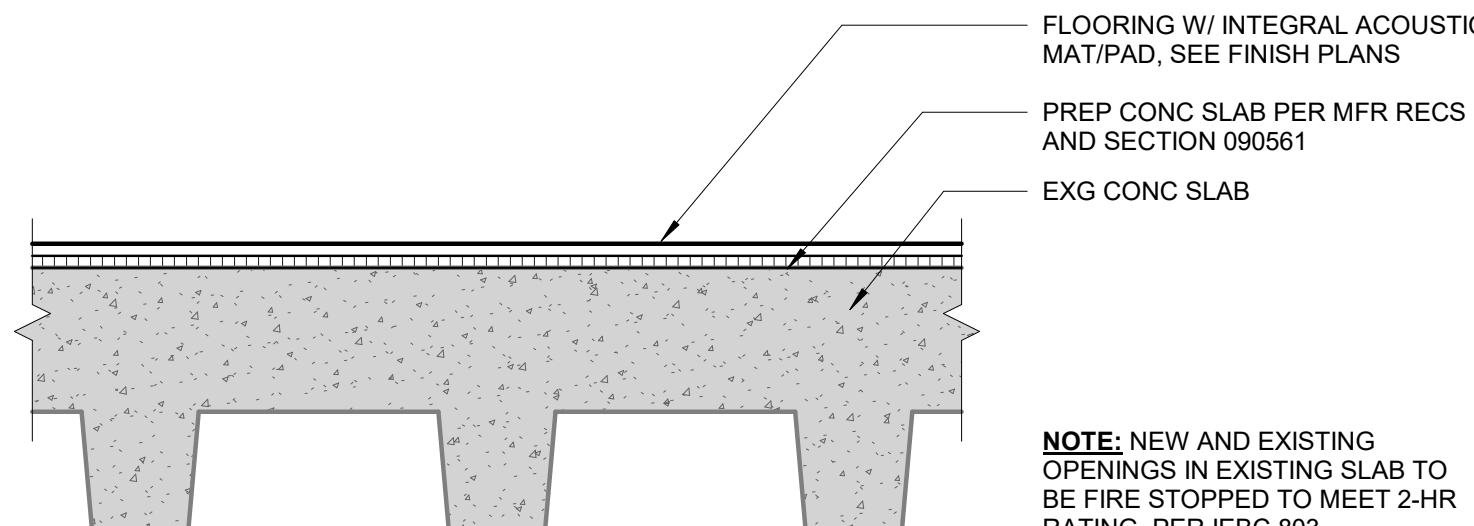
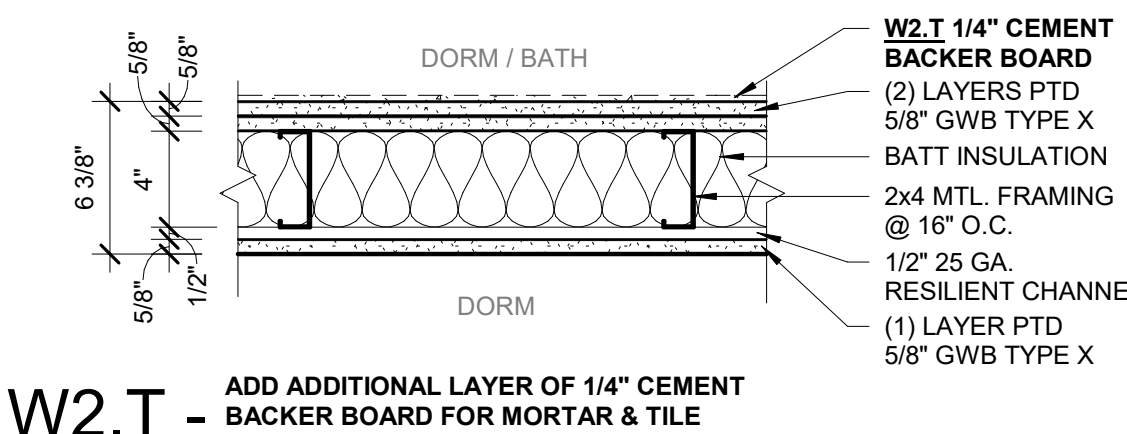
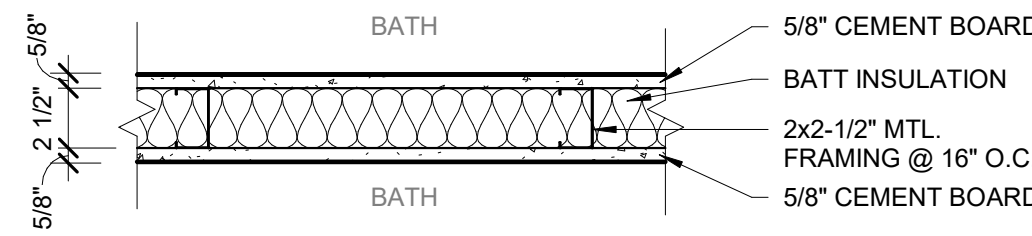
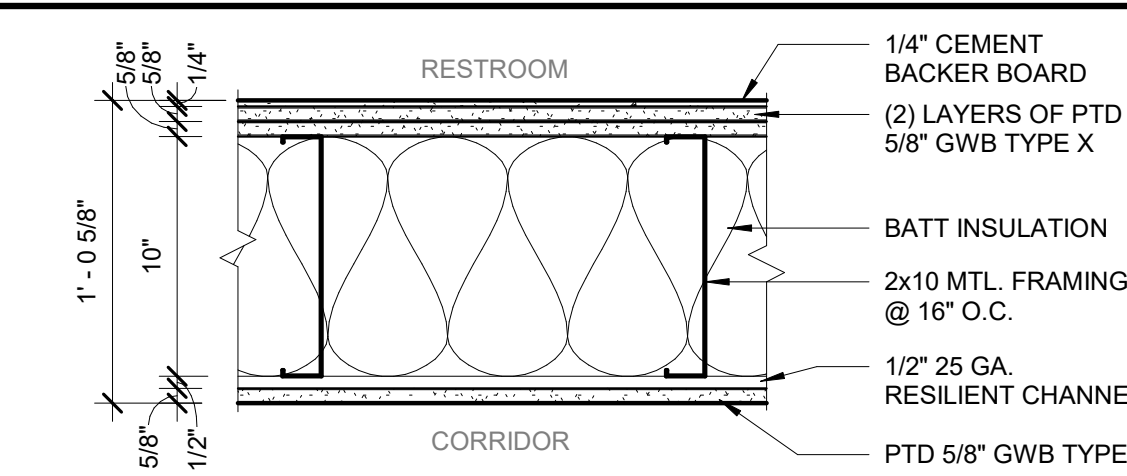
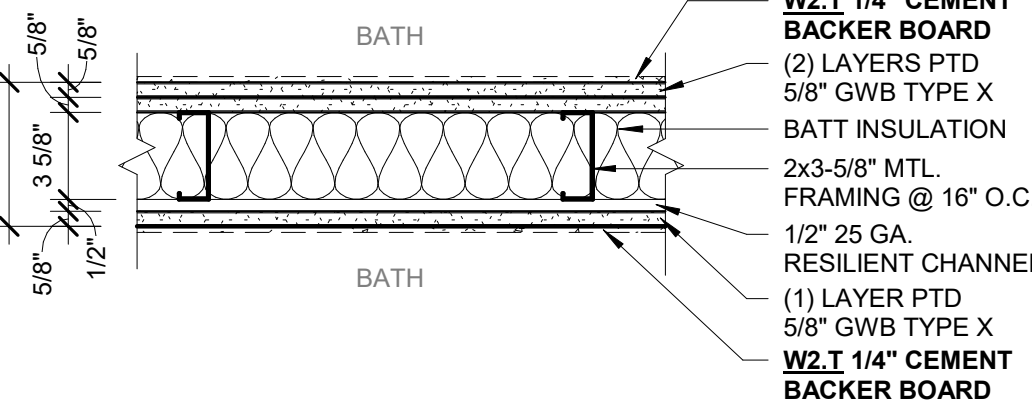
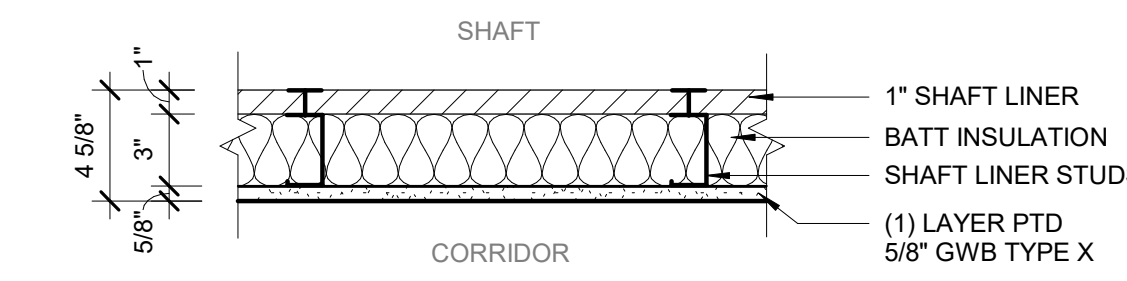
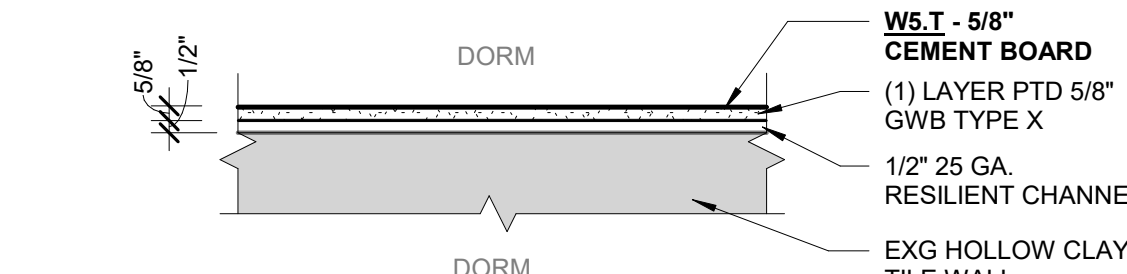
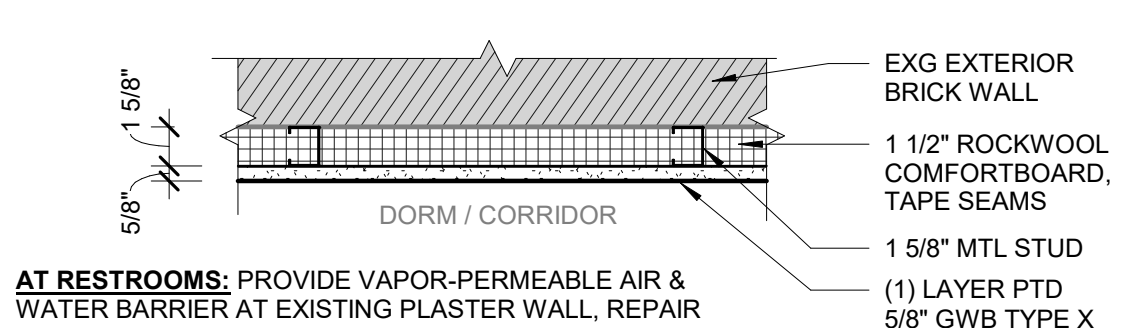
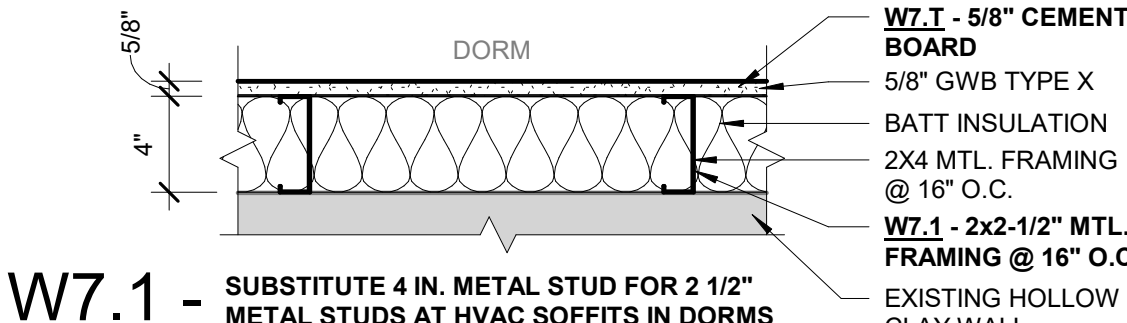
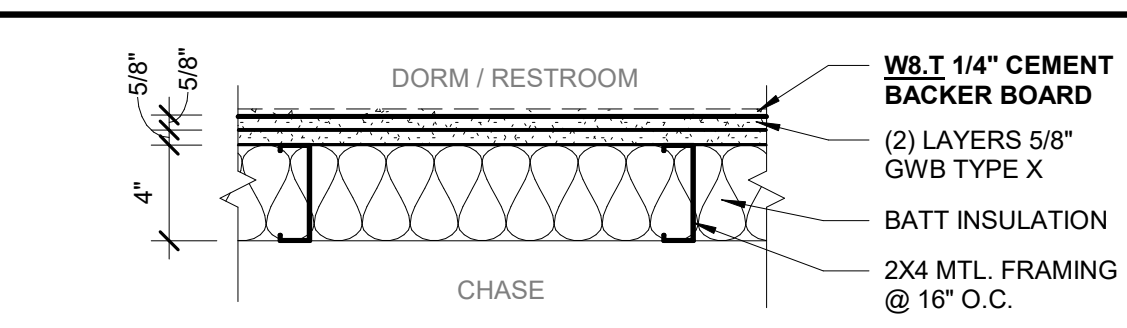
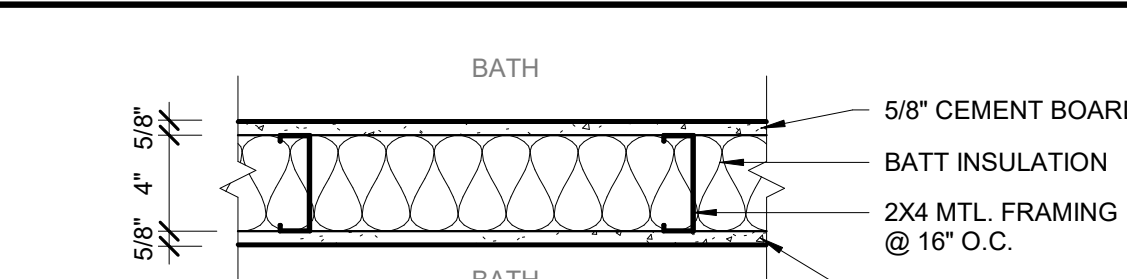
CODE SUMMARY

G003

LIFE SAFETY NOTES:

- THESE LIFE SAFETY PLANS ARE MEANT TO SHOW CONFORMANCE WITH THE REGULATIONS EXISTING AT THE TIME OF DESIGN, OR AS INDICATED IN THE CODE SUMMARY NOTES. THESE DOCUMENTS ARE A COMPILATION OF EXISTING CONSTRUCTION DOCUMENTS, EXISTING CONDITIONS AS OBSERVED IN THE FIELD, AND CURRENT PROGRAMMATIC USE STATEMENTS.
- SEE G004 FOR PARTITION TYPES.
- SEE EP AND EL SERIES DWGS AND ELECTRICAL SPECIFICATIONS FOR ADDITIONAL FIRE ALARM SYSTEM INFORMATION.
- SEE ENLARGED PLANS AND INTERIOR ELEVATIONS FOR MOUNTING HEIGHTS OF DEVICES.
- SEE EL SERIES DWGS FOR DESIGNATION OF LIGHTS ON EMERGENCY CIRCUITS.



FLOORS		INTERIOR PARTITIONS			
F1		W1		W10.T	
RATING: SMOKE		RATING: 1 HR			
UL: N/A		UL: U419			
STC: TBD		STC: XX			
F2		W2		W11.T	
RATING: 2 HR		RATING: 1 HR			
UL: N/A		UL: U419			
STC: TBD		STC: XX			
<p><b>GENERAL NOTES:</b></p> <ol style="list-style-type: none"><li>SEE ALSO STRUCTURAL DOCUMENTS.</li><li>FIRE BARRIERS TO BE CONTINUOUS FROM DECK TO HORIZONTAL ASSEMBLY OR ROOF SHEATHING.</li><li>SEAL ALL PENETRATIONS AS REQUIRED.</li><li>SEE G002 FOR FIRE RATED LOCATIONS.</li><li>SEE G005 FOR FIRE RATING DETAILS.</li><li>ALL PARTITIONS AT WET LOCATIONS, ENTIRETY OF BATHROOMS AND TOILET ROOMS ETC. TO RECEIVE MOISTURE RESISTANT GWB.</li><li>ALL CEILINGS IN BATHROOMS AND TOILET ROOMS TO RECEIVE MOISTURE RESISTANT GWB.</li><li>ALL PARTITIONS WITH TILE TO HAVE CERAMIC TILE UNDERLAY / GLASROC IN PLACE OF GWB.</li><li>ALL PLUMBING AND ELECTRICAL TO BE WITHIN WALLS ON FLOORS 3 AND 4 EXCEPT AT EXISTING TO REMAIN WALLS. EXPOSED / SURFACE-MOUNTED PIPES, CONDUIT, AND INFRASTRUCTURE ARE NOT ACCEPTABLE AT NEW WALLS.</li><li>AT WALL TYPES WITH 4" MTL STUD, OPTION TO PROVIDE 3 5/8" MTL STUD INSTEAD.</li></ol>		W3		W12.T	
		RATING: 1 HR		RATING: 1 HR	
		UL: U419		UL: U419	
		STC: XX		STC: XX	
		W4			
		RATING: 1 HR			
		UL: U415			
		STC: XX			
		W5			
		W5.T			
		W6			
		DEDUCT ALT 1			
		W7			
		W7.1			
		W7.T			
		W8			
		W8.T			
		W9.T			



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT TO  
BE COPIED OR REPRODUCED IN PART OR  
WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

△ REVISIONS	

DATE OF ISSUE: APR 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID

**PARTITION  
TYPES & TYP.  
DETAILS**

**G004**



PROJECT NAME:

MCJA - BUILDING  
C LIMITED  
RENOVATIONS

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

NOT FOR  
CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT TO  
BE COPIED OR REPRODUCED IN PART OR  
WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

△ REVISIONS

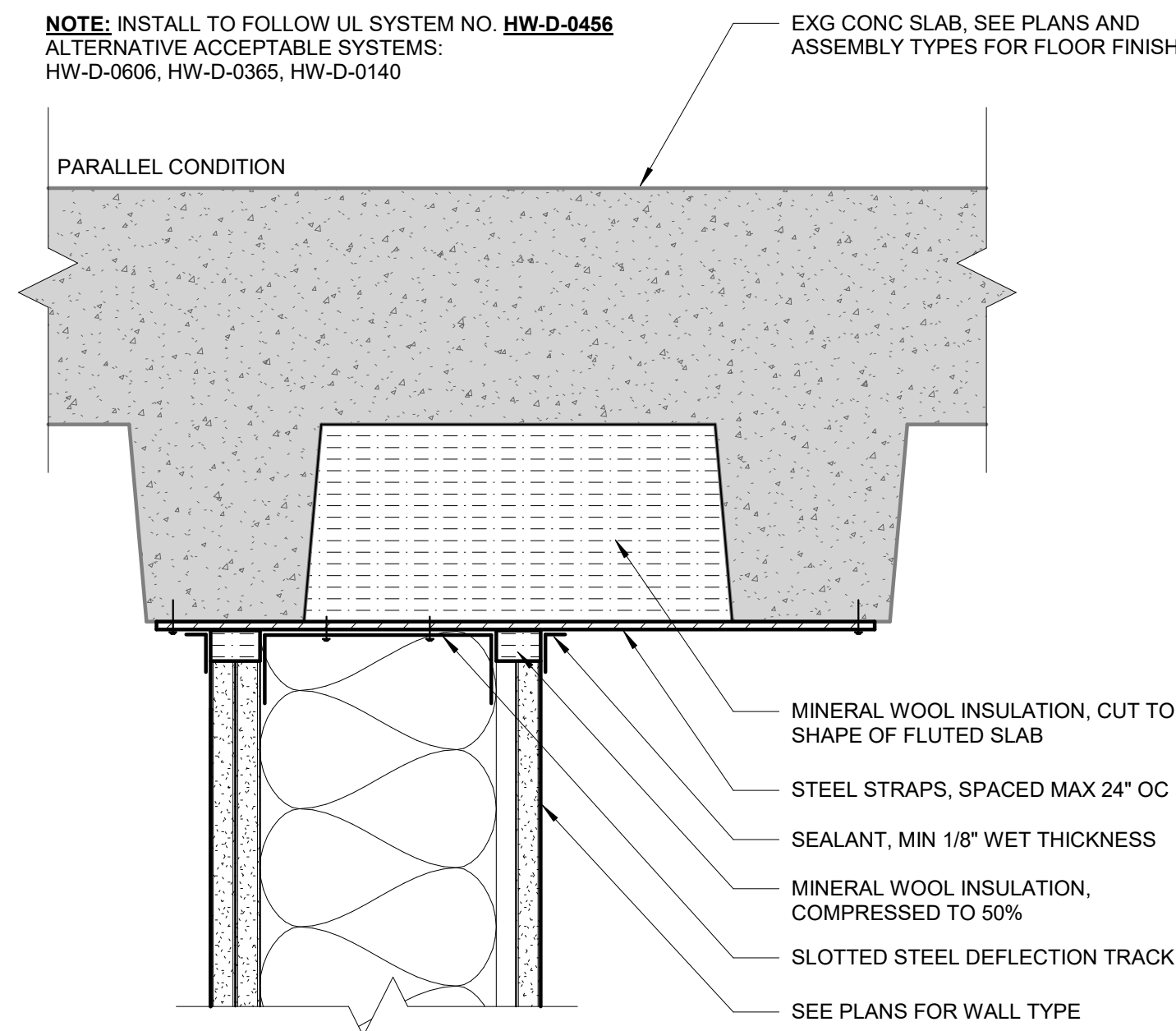
DATE OF ISSUE: APR 8, 2025

PROJECT NUMBER: 2023-0070

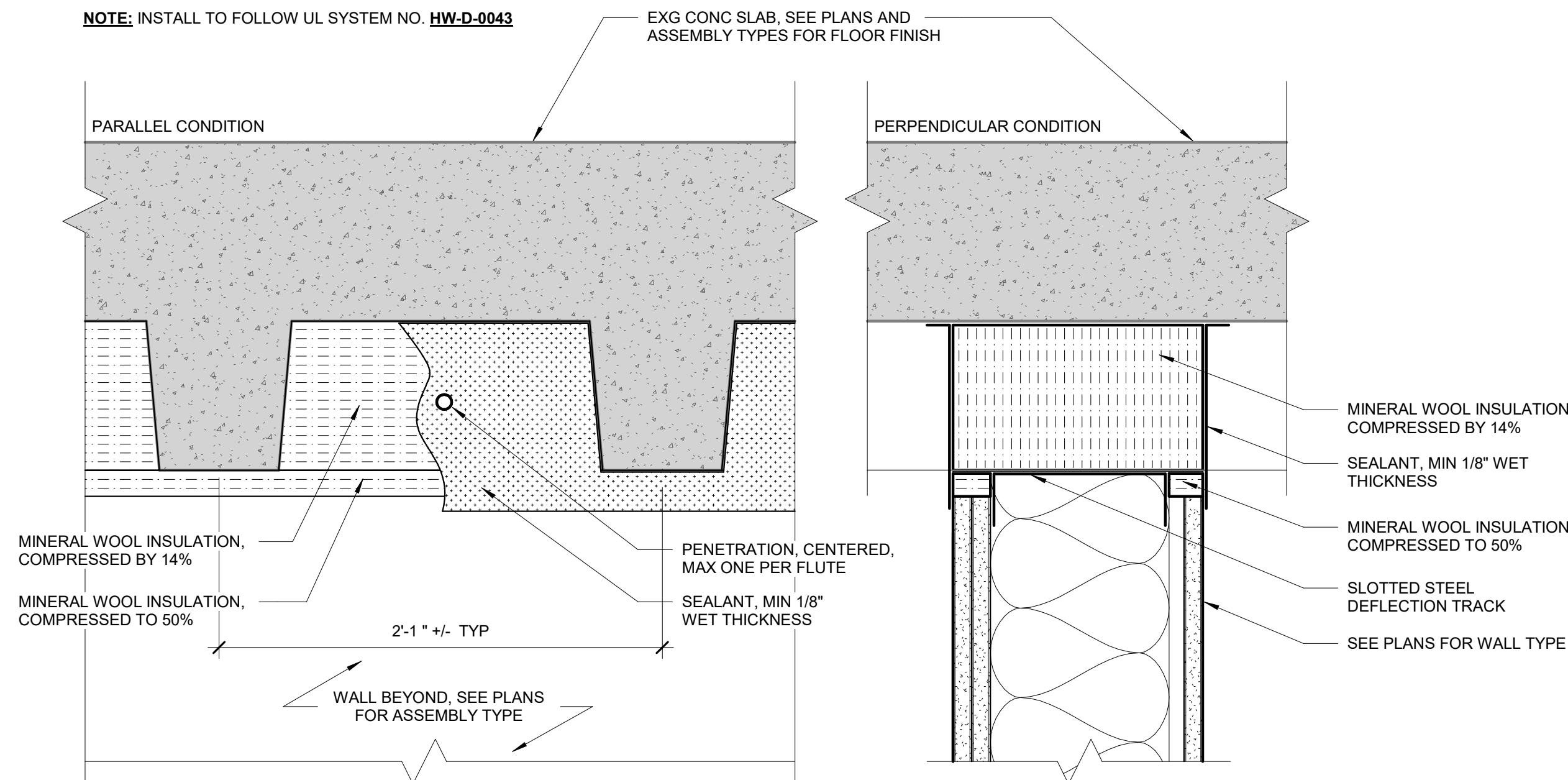
STATUS: ISSUED FOR BID

FIRE DETAILS

G005

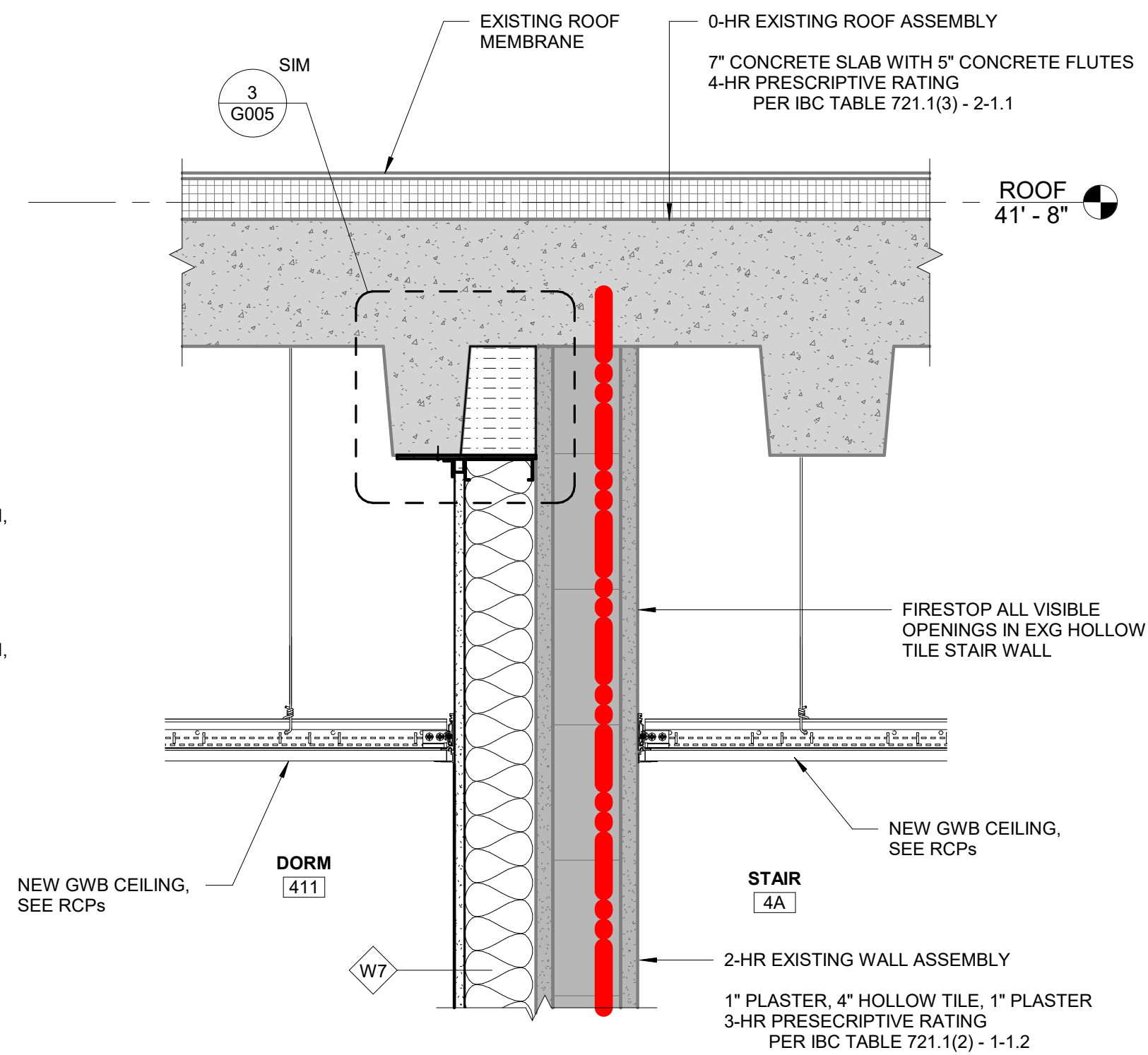


③ FIRESTOP SECTION DETAIL - HEAD TYPE A  
3" = 1'-0"

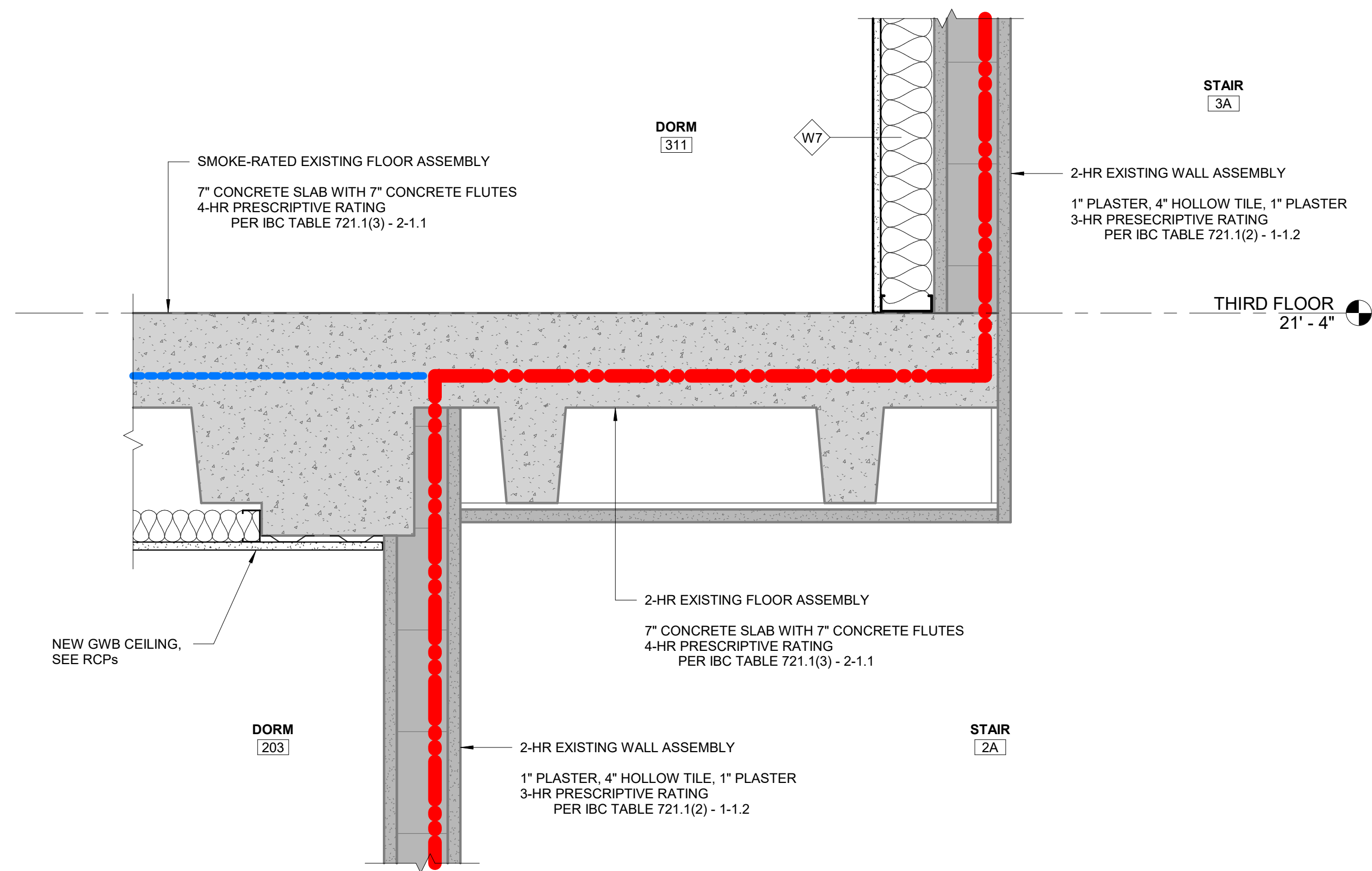


**NOTE:** WHERE MAX NUMBER OF PENETRATIONS CANNOT  
BE MET, CRENELATED DRYWALL APPROACH WITH 3/4" MAX  
JOINTS MAY BE PURSUED PER UL SYSTEM NO. **HW-D-0079**

④ FIRESTOP SECTION DETAIL - HEAD TYPE B  
3" = 1'-0"



② STAIR 4A - FIRE RATING SECTION  
1 1/2" = 1'-0"



① STAIR 2A - FIRE RATING SECTION  
1 1/2" = 1'-0"



NOTE:  
ALL DIAGRAMS ARE GENERAL REQUIREMENTS; IF THESE  
DIAGRAMS CONFLICT WITH A DIRECTION ON A SUBSEQUENT  
SHEET OR IN SPECIFICATION, CONTACT ARCHITECT FOR  
CLARIFICATION.

**simons architects**  
designed for human potential

75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656

PROJECT NAME:

**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT TO  
BE COPIED OR REPRODUCED IN PART OR  
WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APR 8, 2025

PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID

**ACCESSIBILITY  
REQUIREMENTS**

**G006**

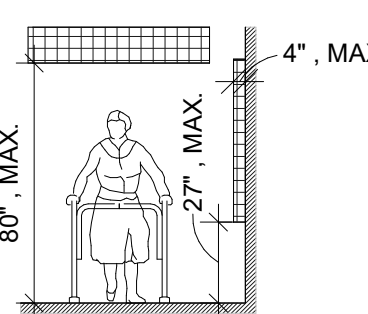


FIG. 307.2 -  
LIMITS OF PROTRUDING  
OBJECTS

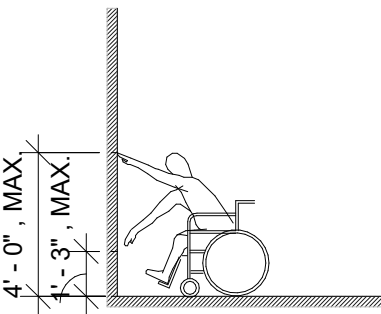


FIG. 308.2.1 -  
UNOBSTRUCTED  
FORWARD REACH

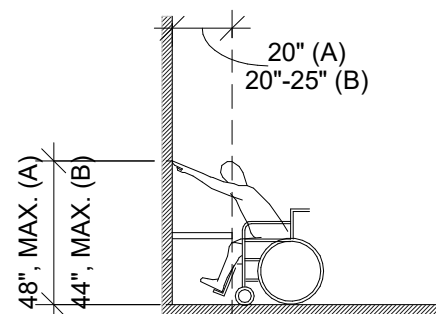


FIG. 308.2.2 -  
OBSTRUCTED HIGH  
FORWARD REACH

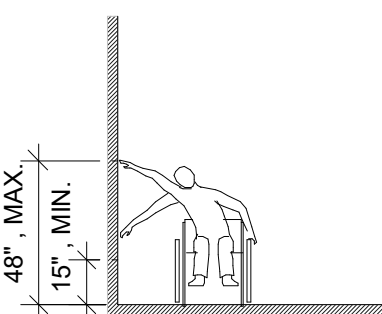


FIG. 308.3.1 -  
UNOBSTRUCTED SIDE  
REACH

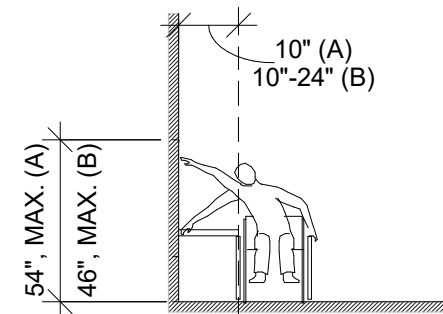
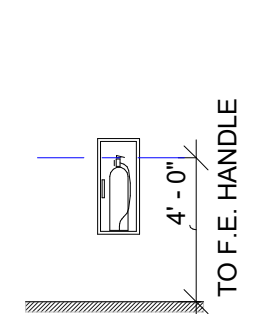


FIG. 308.3.2 -  
OBSTRUCTED SIDE  
REACH



FIRE EXTINGUISHING  
CABINET MOUNTING  
HEIGHT

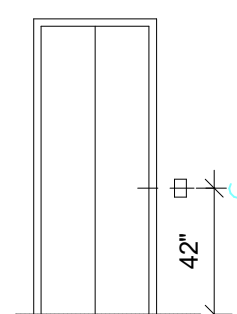


FIG. 407.2.2  
ELEV. CALL BUTTONS

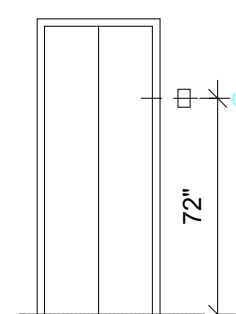


FIG. 407.2.3.1  
HEIGHT OF ELEV.  
VISIBLE SIGNALS

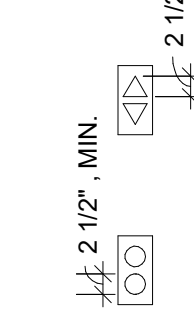


FIG. 407.2.3.2.2  
SIZE OF ELEV. VISIBLE  
SIGNALS

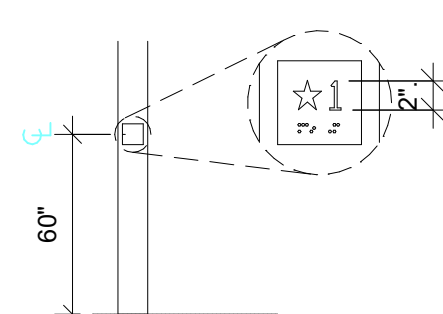


FIG. 407.2.4  
TACTILE CHARACTERS ON  
ELEV. HOISTWAY ENTRANCES

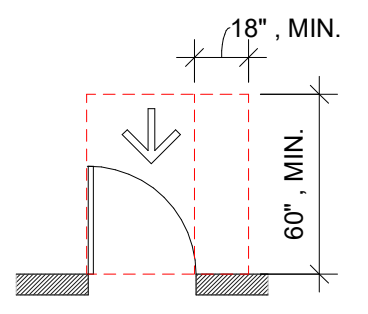
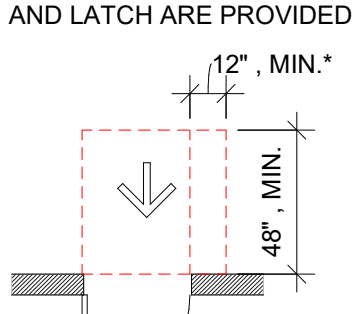
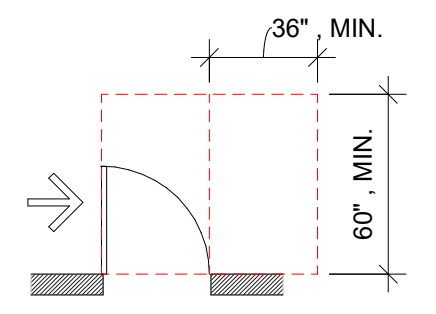


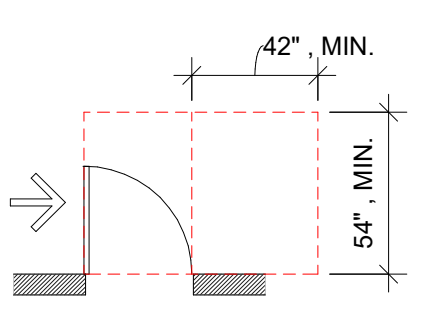
FIG. 404.2.4.1 -  
MANEUVERING CLEARANCE  
AT SWING DOOR



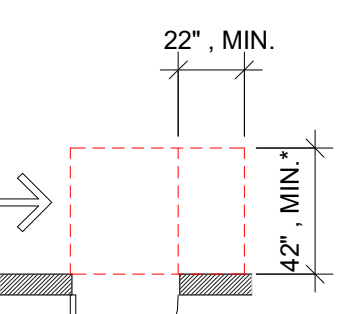
(B) FRONT APPROACH,  
PUSH SIDE



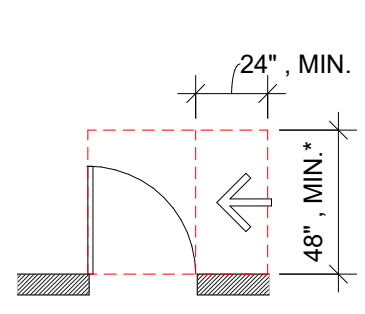
(C) HINGE APPROACH,  
PULL SIDE



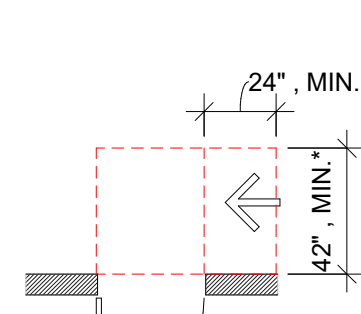
(D) HINGE APPROACH,  
PULL SIDE



(E) HINGE APPROACH,  
PULL SIDE



(F) LATCH APPROACH,  
PULL SIDE



(G) LATCH APPROACH,  
PUSH SIDE

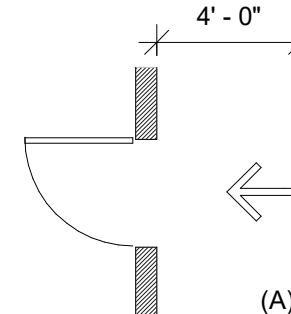
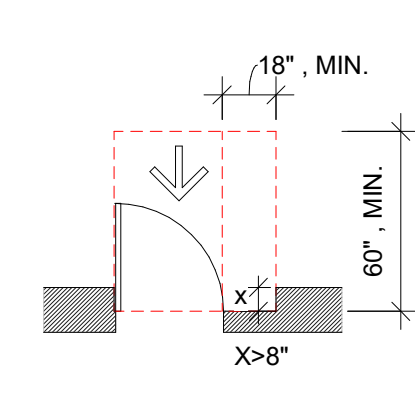
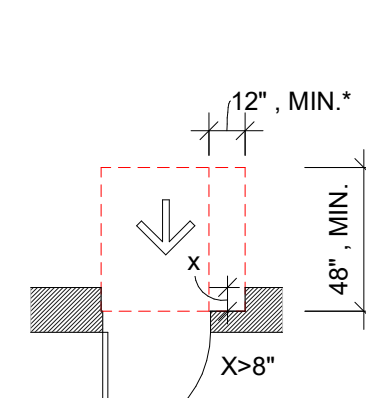


FIG. 404.2.6  
TWO DOORS IN A SERIES  
(A) AND (B)

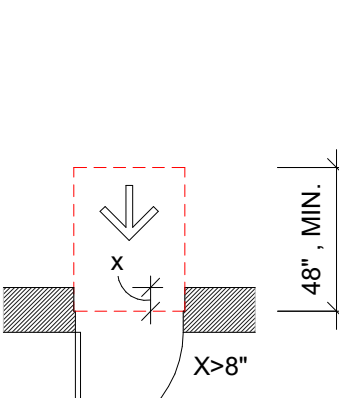
**404.2.4.3**  
MANEUVERING CLEARANCES FOR FORWARD APPROACH SHALL BE PROVIDED WHEN ANY  
OBSTRUCTION WITHIN 18 INCHES (455 MM) OF THE LATCH SIDE OF A DOORWAY PROJECTS MORE  
THAN 8 INCHES (205 MM) BEYOND THE FACE OF THE DOOR, MEASURED PERPENDICULAR TO THE  
FACE OF THE DOOR OR GATE. FIG. 404.2.4.3



FRONT APPROACH,  
PULL SIDE



FRONT APPROACH,  
PUSH SIDE W/ BOTH  
CLOSER & LATCH



FRONT APPROACH,  
PUSH SIDE

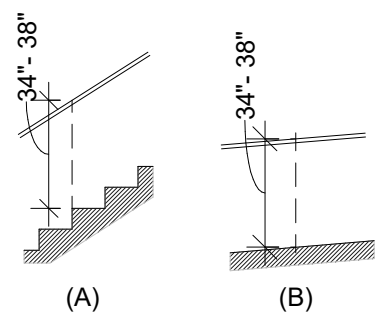


FIG. 505.4.  
HANDRAIL HEIGHT  
(A) STAIRS  
(B) RAMPS

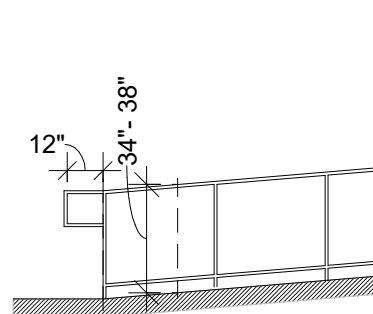


FIG. 505.10.1  
TOP AND BOTTOM HANDRAIL  
EXTENSIONS AT RAMPS

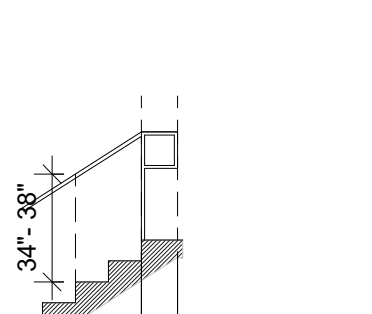


FIG. 505.10.2  
TOP HANDRAIL  
EXTENSION AT  
STAIRS

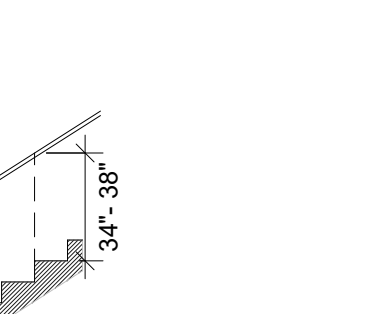


FIG. 505.10.3  
TOP HANDRAIL  
EXTENSION AT  
STAIRS

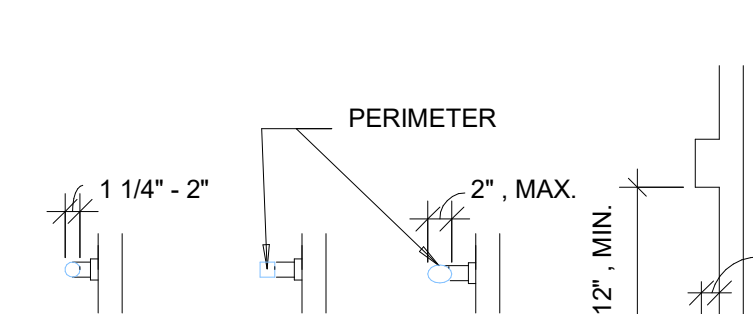


FIG. 609.2  
SIZE OF GRAB BARS  
(A) CIRCULAR  
(B) AND (C) NON CIRCULAR

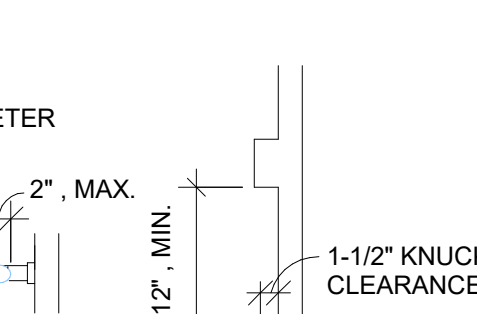


FIG. 609.3  
SPACING OF  
GRAB BARS

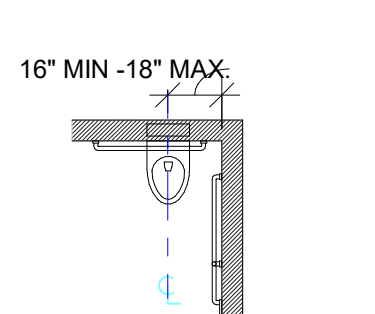


FIG. 604.2  
WATER CLOSET LOCATION

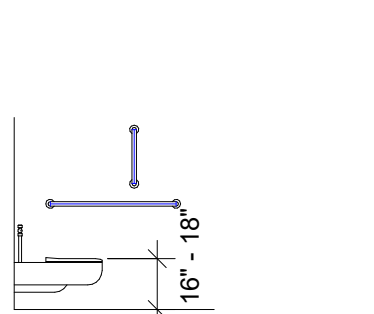


FIG. 604.4  
HEIGHT TO TOP OF SEAT

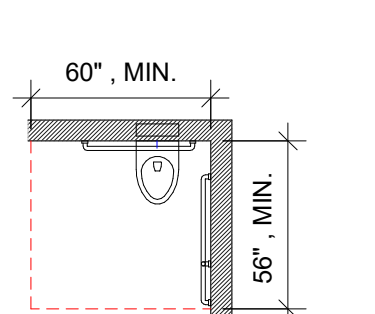


FIG. 604.3.1  
SIZE OF CLEARANCE FOR WATER  
CLOSET

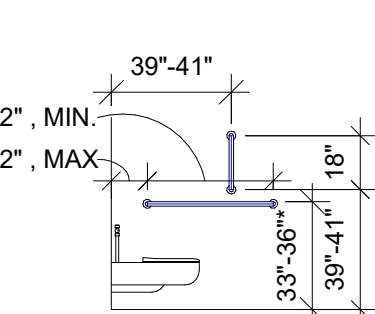


FIG. 604.5.1  
SIDE WALL GRAB BAR  
FOR WATER CLOSET  
\* TO TOP OF GRAB BAR

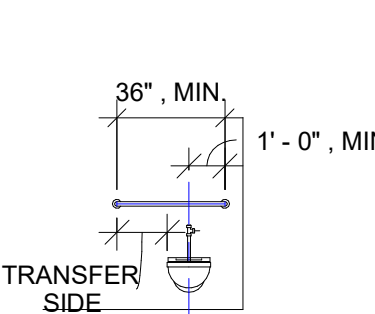


FIG. 604.5.2  
REAR WALL GRAB BAR  
FOR WATER CLOSET

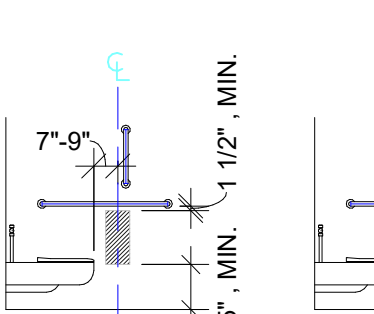


FIG. 604.7  
DISPENSER LOCATION  
(A) BELOW GRAB BAR  
(B) ABOVE GRAB BAR

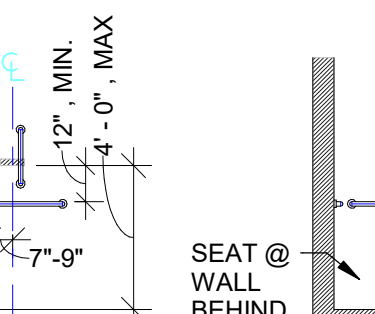
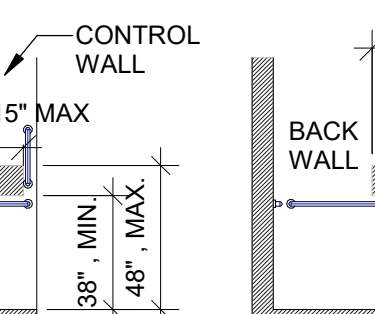
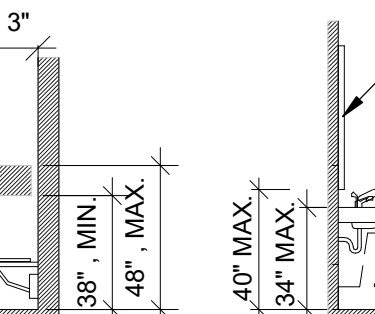


FIG. 604.1  
SEAT @ WALL  
BEHIND



(A) WITH SEAT  
FIG. 608.4.1  
CONTROLS IN  
TRANSFER-TYPE  
SHOWERS



(B) WITH SEAT  
FIG. 608.3.5  
CONTROLS IN  
ROLL-IN-TYPE  
SHOWERS

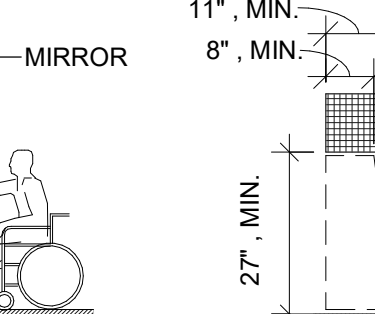


FIG. 606.3 -  
HEIGHT OF LAVATORIES  
AND SINKS  
HEIGHT OF MIRROR

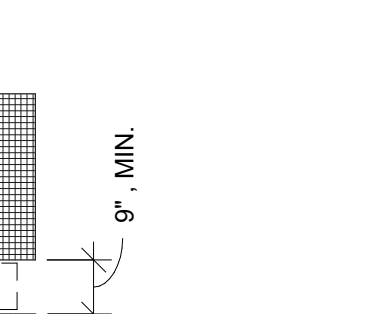
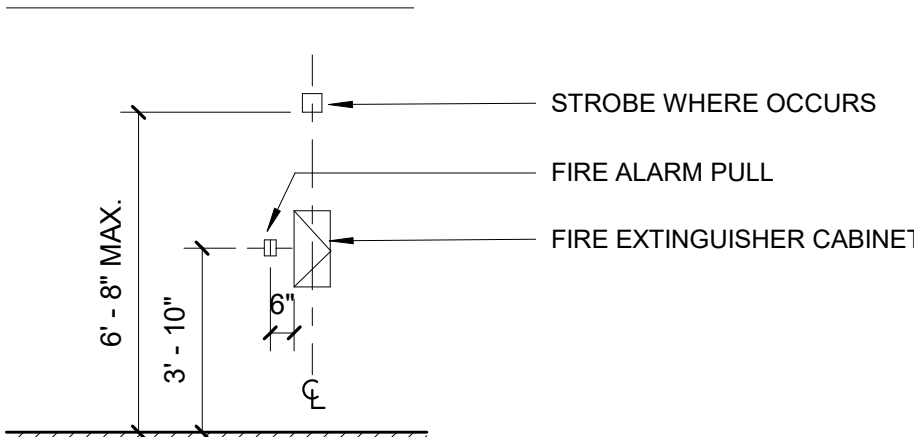
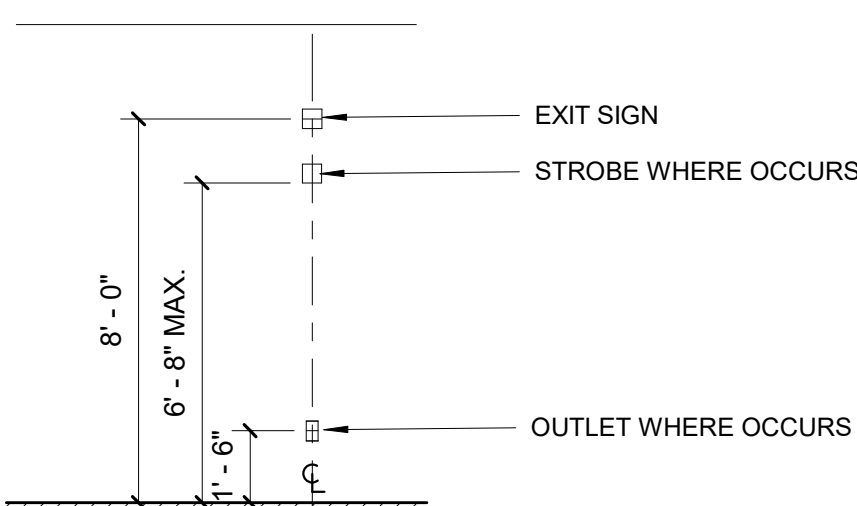


FIG. 306.3 -  
KNEE CLEARANCE

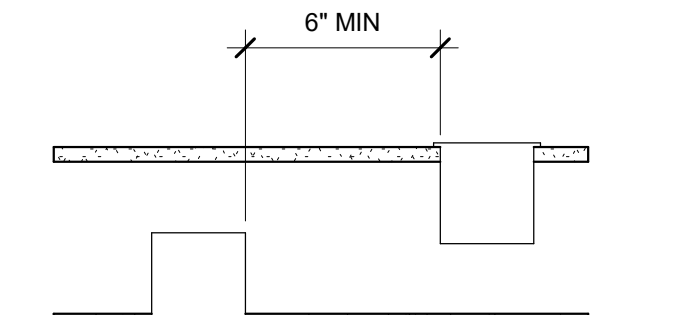
TYP. DOOR RETURN AT PERPENDICULAR WALLS



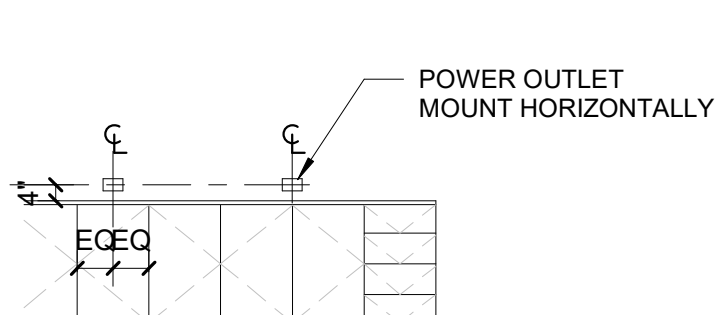
LOCATIONS at FIRE EXTINGUISHER CABINET  
STROBES and FIRE ALARM PULLS



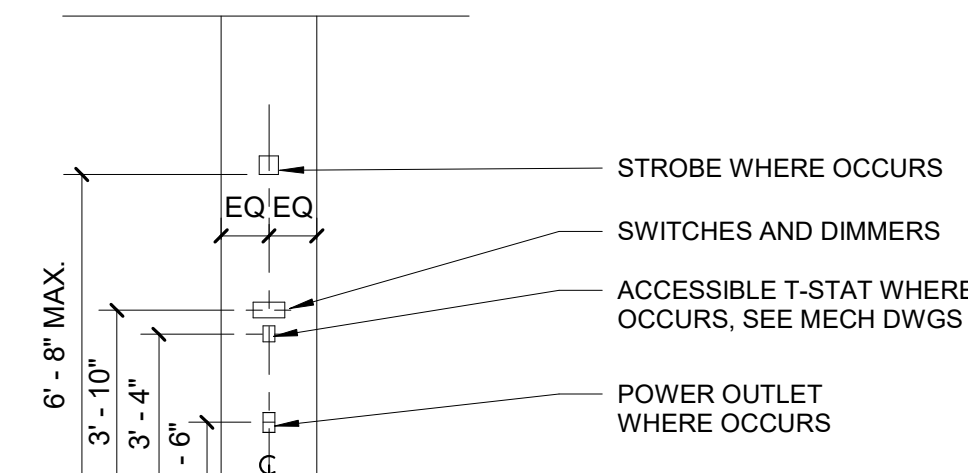
LOCATION FOR WALL MTD EXIT SIGNS



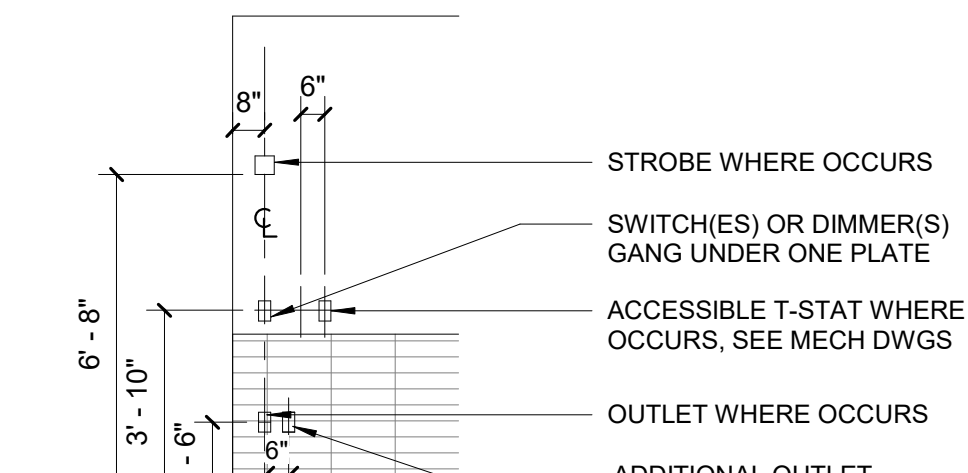
TYP. BACK TO BACK DEVICES (AT SAME HEIGHT)  
(COORDINATE WITH SPECIFIC PLAN & ELEVATION)



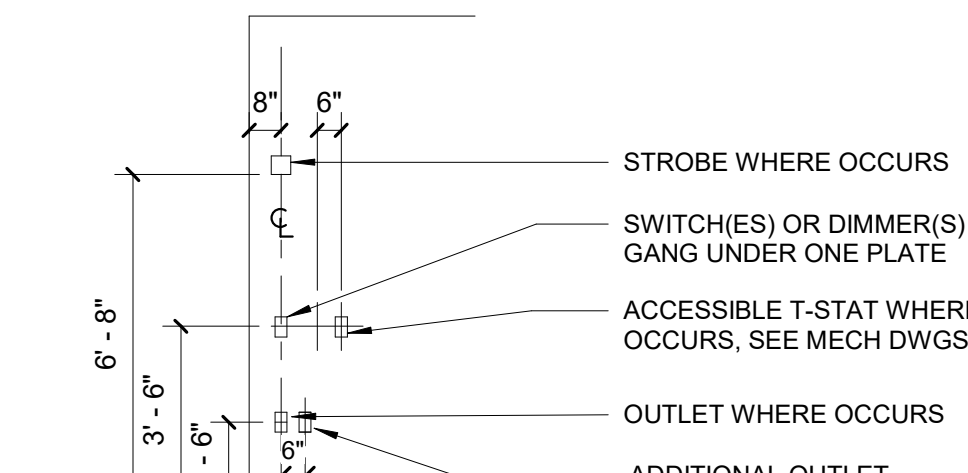
DEVICE LOCATIONS at MILLWORK COUNTERS



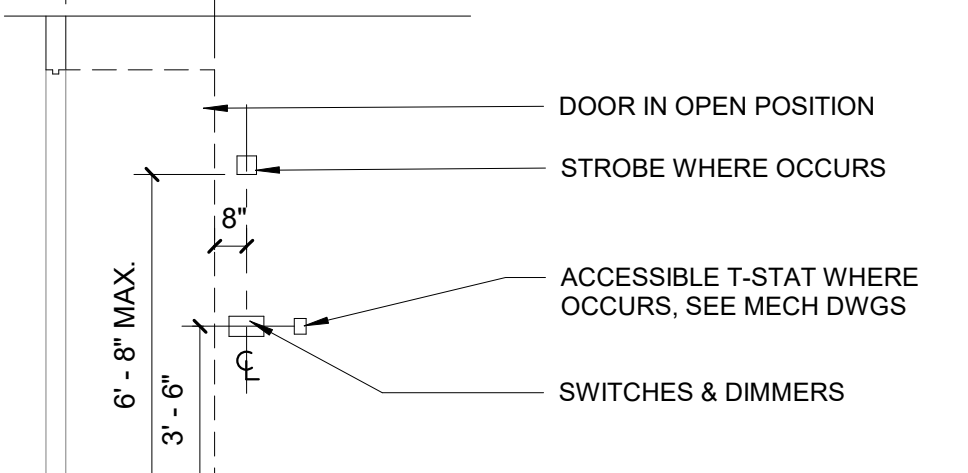
DEVICE LOCATIONS at COLUMNS, BETWEEN DOORS, ETC.



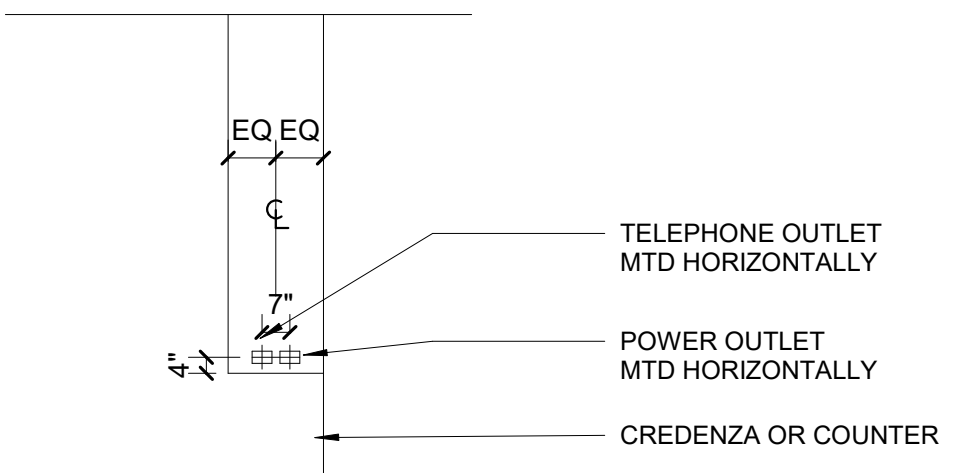
DEVICE LOCATIONS at HALF-HEIGHT TILE WALLS



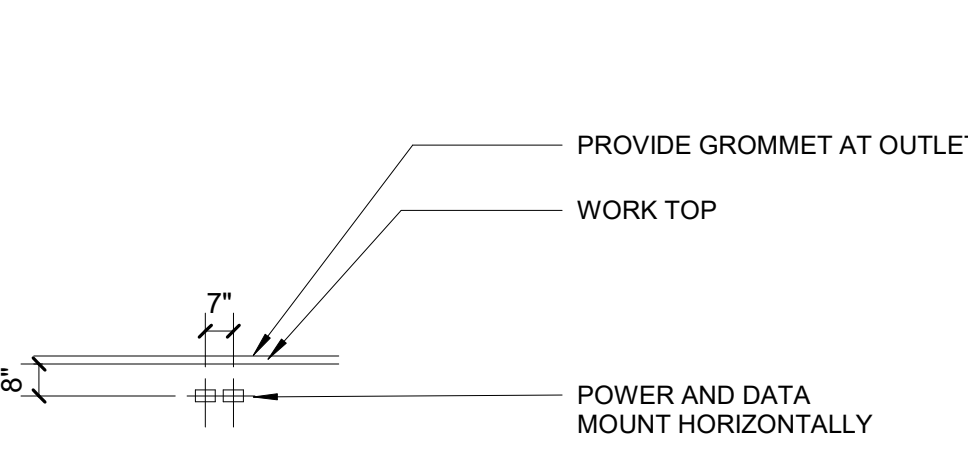
DEVICE LOCATIONS at CORNERS



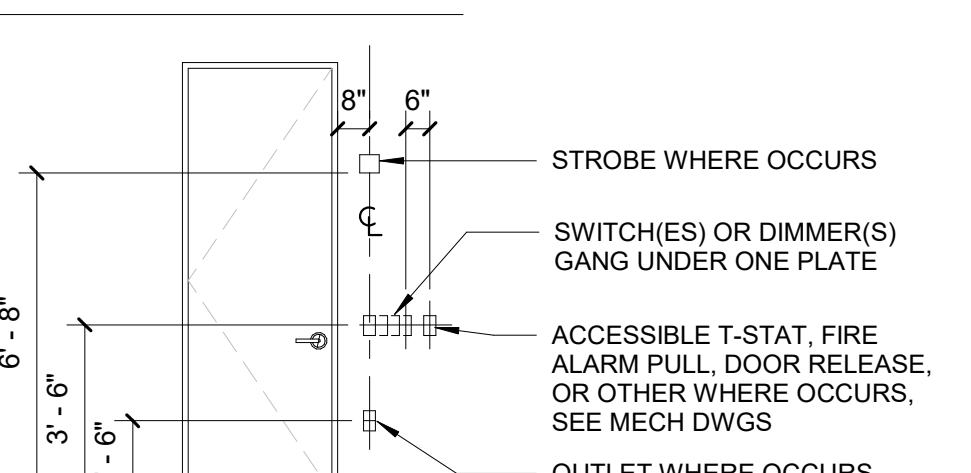
DEVICE LOCATIONS at OPEN DOORS



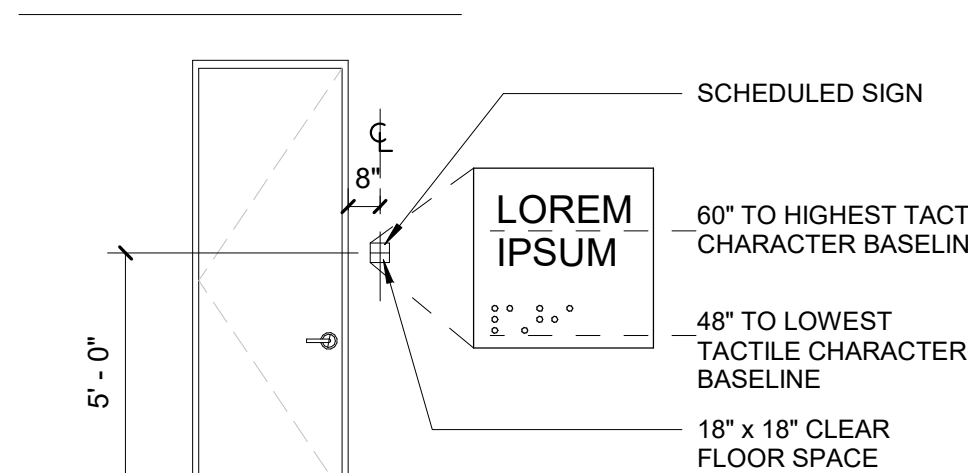
DEVICE LOCATIONS at CREDENZAS or COUNTERS



DEVICE LOCATIONS at WORK SURFACES



DEVICE LOCATIONS at DOOR JAMBS



LOCATION FOR TYPICAL SIGNS

- NOTES:
- CONTRACTOR TO COORDINATE LOCATION OF STUDS IN PARTITION TO ACHIEVE INTENT. PROVIDE ADDITIONAL STUDS/BRACING AS NEEDED. PROVIDE SOUNDLINERS AT DEVICE BACK BOXES WHERE DEVICES ARE LOCATED IN PARTITIONS WITH INSULATION.
  - DIMENSIONS ARE TO CENTER LINE OF DEVICES, TYP. FIRE STROBE DIMENSION IS TO THE BOTTOM OF THE DEVICE.
  - TOP OF ACCESSIBLE DEVICES NOT TO EXCEED 48" AFF.
  - BOTTOM OF ACCESSIBLE DEVICES TO BE NO LOWER THAN 18".
  - ALL DEVICES WITHIN 6'-0" OF ANOTHER TO BE ALIGNED PER THE DIAGRAMS ON THIS PAGE.





75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT TO  
BE COPIED OR REPRODUCED IN PART OR  
WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

△ REVISIONS	

DATE OF ISSUE: **APR 8, 2025**  
PROJECT NUMBER: **2023-0070**  
STATUS: **ISSUED FOR BID**

**SECOND FLOOR  
DEMO PLAN**

**AD102**

**DEMO LEGEND:**

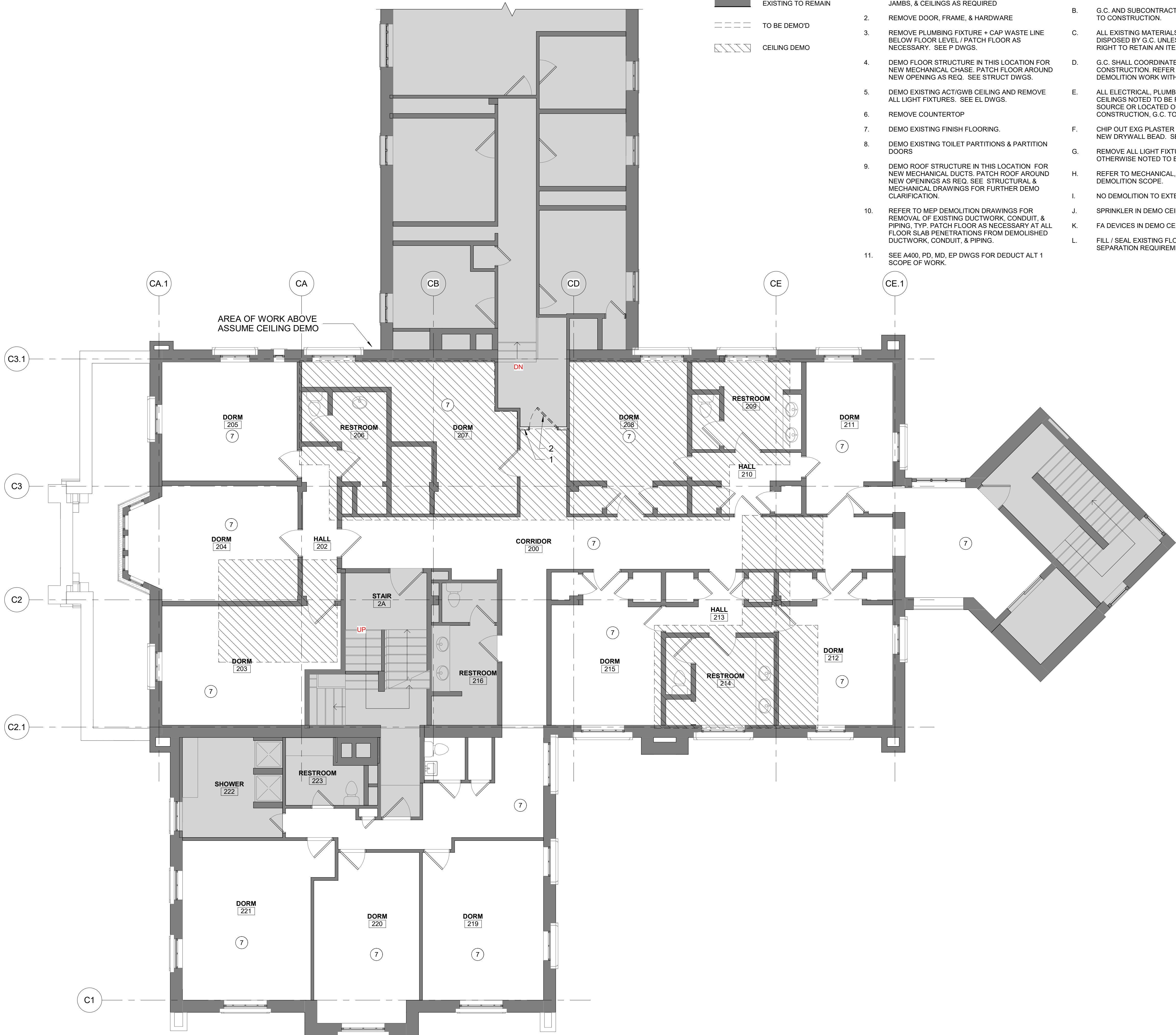
- EXISTING TO REMAIN
- TO BE DEMO'D
- CEILING DEMO

**DEMO KEYNOTES:**

- REMOVE WALL AS INDICATED, PATCH FLOOR, JAMBS, & CEILINGS AS REQUIRED
- REMOVE DOOR, FRAME, & HARDWARE
- REMOVE PLUMBING FIXTURE + CAP WASTE LINE BELOW FLOOR LEVEL / PATCH FLOOR AS NECESSARY. SEE P DWGS.
- DEMO FLOOR STRUCTURE IN THIS LOCATION FOR NEW MECHANICAL CHASE. PATCH FLOOR AROUND NEW OPENING AS REQ. SEE STRUCT DWGS.
- DEMO EXISTING ACT/GWB CEILING AND REMOVE ALL LIGHT FIXTURES. SEE EL DWGS.
- REMOVE COUNTERTOP
- DEMO EXISTING FINISH FLOORING.
- DEMO EXISTING TOILET PARTITIONS & PARTITION DOORS
- DEMO ROOF STRUCTURE IN THIS LOCATION FOR NEW MECHANICAL DUCTS. PATCH ROOF AROUND NEW OPENINGS AS REQ. SEE STRUCTURAL & MECHANICAL DRAWINGS FOR FURTHER DEMO CLARIFICATION.
- REFER TO MEP DEMOLITION DRAWINGS FOR REMOVAL OF EXISTING DUCTWORK, CONDUIT, & PIPING. TYP. PATCH FLOOR AS NECESSARY AT ALL FLOOR SLAB PENETRATIONS FROM DEMOLISHED DUCTWORK, CONDUIT, & PIPING.
- SEE A400, PD, MD, EP DWGS FOR DEDUCT ALT 1 SCOPE OF WORK.

**GENERAL DEMOLITION NOTES:**

- G.C. TO PROTECT ADJACENT AREAS NOT AFFECTED BY CONSTRUCTION.
- G.C. AND SUBCONTRACTOR TO FIELD VERIFY ALL FIELD CONDITIONS PRIOR TO CONSTRUCTION.
- ALL EXISTING MATERIALS NOTED TO BE REMOVED SHALL BE PROPERLY DISPOSED BY G.C. UNLESS NOTED OTHERWISE. OWNER RESERVES THE RIGHT TO RETAIN AN ITEM NOTED FOR DEMOLITION.
- G.C. SHALL COORDINATE EXTENT OF ALL DEMOLITION WORK WITH NEW CONSTRUCTION. REFER TO COMPLETE DRAWING SET TO COORDINATE DEMOLITION WORK WITH TRADES.
- ALL ELECTRICAL, PLUMBING, AND MECHANICAL LOCATED IN WALLS AND CEILINGS NOTED TO BE REMOVED SHALL BE EITHER REMOVED BACK TO THE SOURCE OR LOCATED OUT OF HARM'S WAY. FOR RELOCATIONS IN NEW CONSTRUCTION, G.C. TO COORDINATE.
- CHIP OUT EXG PLASTER AT ALL WINDOWS ON FLOORS 3 AND 4 TO RECEIVE NEW DRYWALL BEAD. SEE A400. OMIT THIS SCOPE IN DEDUCT ALT 1.
- REMOVE ALL LIGHT FIXTURES IN DEMO'D CLGS AND DISPOSE UNLESS OTHERWISE NOTED TO BE SALVAGED.
- REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING FOR ADDITIONAL DEMOLITION SCOPE.
- NO DEMOLITION TO EXTERIOR WALLS, TYP, UNO.
- SPRINKLER IN DEMO CEILING TO BE REMOVED.
- FA DEVICES IN DEMO CEILING TO BE REMOVED. SEE EP DWGS.
- FILL / SEAL EXISTING FLOOR PENETRATIONS TO MEET REQUIRED SEPARATION REQUIREMENTS. SEE LIFE SAFETY PLANS ON G002.





DEMO LEGEND:

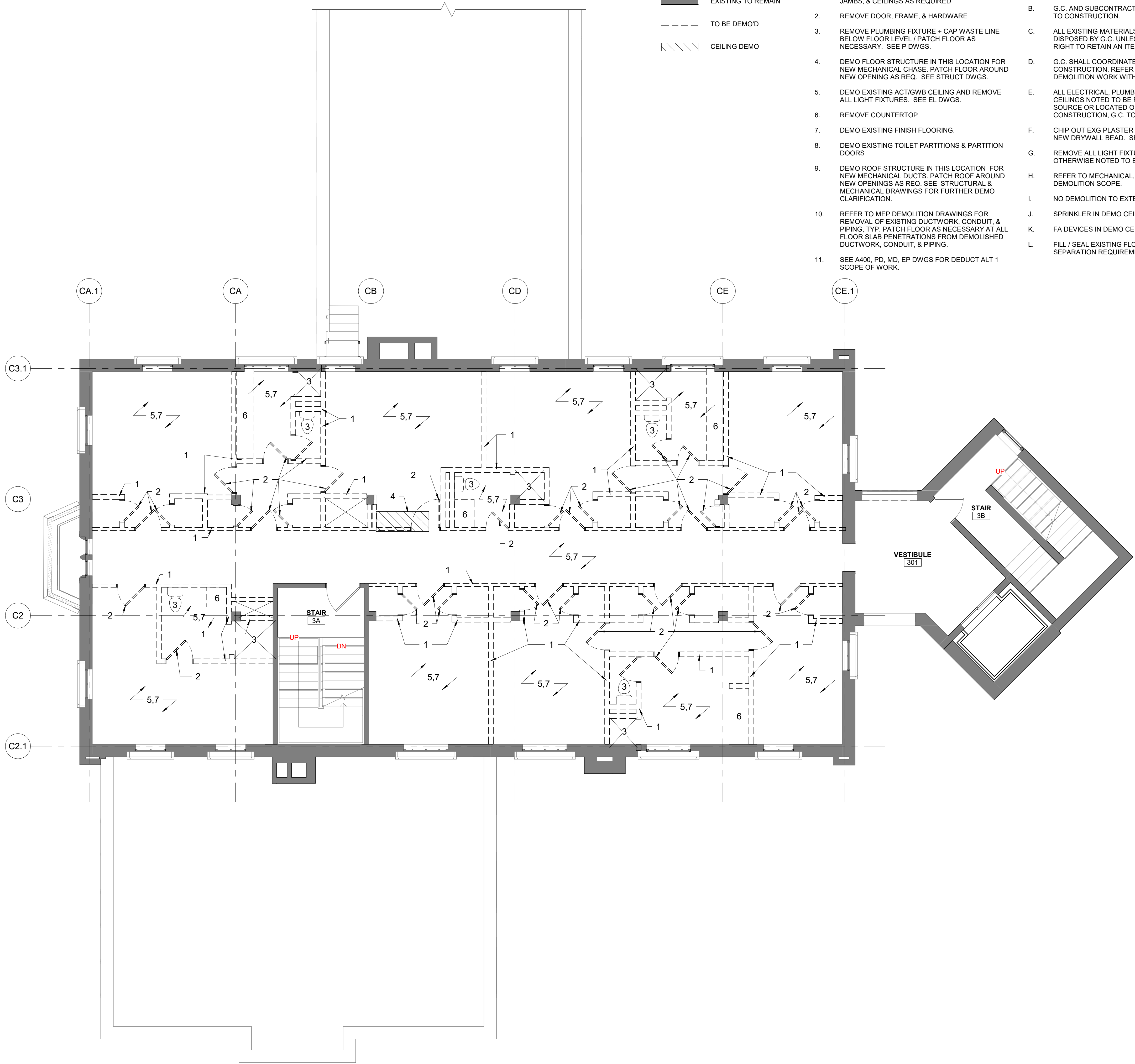
- EXISTING TO REMAIN
- TO BE DEMO'D
- CEILING DEMO

DEMO KEYNOTES:

- REMOVE WALL AS INDICATED, PATCH FLOOR, JAMBS, & CEILINGS AS REQUIRED
- REMOVE DOOR, FRAME, & HARDWARE
- REMOVE PLUMBING FIXTURE + CAP WASTE LINE BELOW FLOOR LEVEL / PATCH FLOOR AS NECESSARY. SEE P DWGS.
- DEMO FLOOR STRUCTURE IN THIS LOCATION FOR NEW MECHANICAL CHASE. PATCH FLOOR AROUND NEW OPENING AS REQ. SEE STRUCT DWGS.
- DEMO EXISTING ACT/GWB CEILING AND REMOVE ALL LIGHT FIXTURES. SEE EL DWGS.
- REMOVE COUNTERTOP
- DEMO EXISTING FINISH FLOORING.
- DEMO EXISTING TOILET PARTITIONS & PARTITION DOORS
- DEMO ROOF STRUCTURE IN THIS LOCATION FOR NEW MECHANICAL DUCTS. PATCH ROOF AROUND NEW OPENINGS AS REQ. SEE STRUCTURAL & MECHANICAL DRAWINGS FOR FURTHER DEMO CLARIFICATION.
- REFER TO MEP DEMOLITION DRAWINGS FOR REMOVAL OF EXISTING DUCTWORK, CONDUIT, & PIPING. TYP. PATCH FLOOR AS NECESSARY AT ALL FLOOR SLAB PENETRATIONS FROM DEMOLISHED DUCTWORK, CONDUIT, & PIPING.
- SEE A400, PD, MD, EP DWGS FOR DEDUCT ALT 1 SCOPE OF WORK.

GENERAL DEMOLITION NOTES:

- G.C. TO PROTECT ADJACENT AREAS NOT AFFECTED BY CONSTRUCTION.
- G.C. AND SUBCONTRACTOR TO FIELD VERIFY ALL FIELD CONDITIONS PRIOR TO CONSTRUCTION.
- ALL EXISTING MATERIALS NOTED TO BE REMOVED SHALL BE PROPERLY DISPOSED BY G.C. UNLESS NOTED OTHERWISE. OWNER RESERVES THE RIGHT TO RETAIN AN ITEM NOTED FOR DEMOLITION.
- G.C. SHALL COORDINATE EXTENT OF ALL DEMOLITION WORK WITH NEW CONSTRUCTION. REFER TO COMPLETE DRAWING SET TO COORDINATE DEMOLITION WORK WITH TRADES.
- ALL ELECTRICAL, PLUMBING, AND MECHANICAL LOCATED IN WALLS AND CEILINGS NOTED TO BE REMOVED SHALL BE EITHER REMOVED BACK TO THE SOURCE OR LOCATED OUT OF HARM'S WAY. FOR RELOCATIONS IN NEW CONSTRUCTION, G.C. TO COORDINATE.
- CHIP OUT EXG PLASTER AT ALL WINDOWS ON FLOORS 3 AND 4 TO RECEIVE NEW DRYWALL BEAD. SEE A400. OMIT THIS SCOPE IN DEDUCT ALT 1.
- REMOVE ALL LIGHT FIXTURES IN DEMO'D CLGS AND DISPOSE UNLESS OTHERWISE NOTED TO BE SALVAGED.
- REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING FOR ADDITIONAL DEMOLITION SCOPE.
- NO DEMOLITION TO EXTERIOR WALLS, TYP, UNO.
- SPRINKLER IN DEMO CEILING TO BE REMOVED.
- FA DEVICES IN DEMO CEILING TO BE REMOVED. SEE EP DWGS.
- FILL / SEAL EXISTING FLOOR PENETRATIONS TO MEET REQUIRED SEPARATION REQUIREMENTS. SEE LIFE SAFETY PLANS ON G002.



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656

PROJECT NAME:

MCJA - BUILDING  
C LIMITED  
RENOVATIONS

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

NOT FOR  
CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT TO  
BE COPIED OR REPRODUCED IN PART OR  
WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APR 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID

THIRD FLOOR  
DEMO PLAN

AD103



DEMO LEGEND:

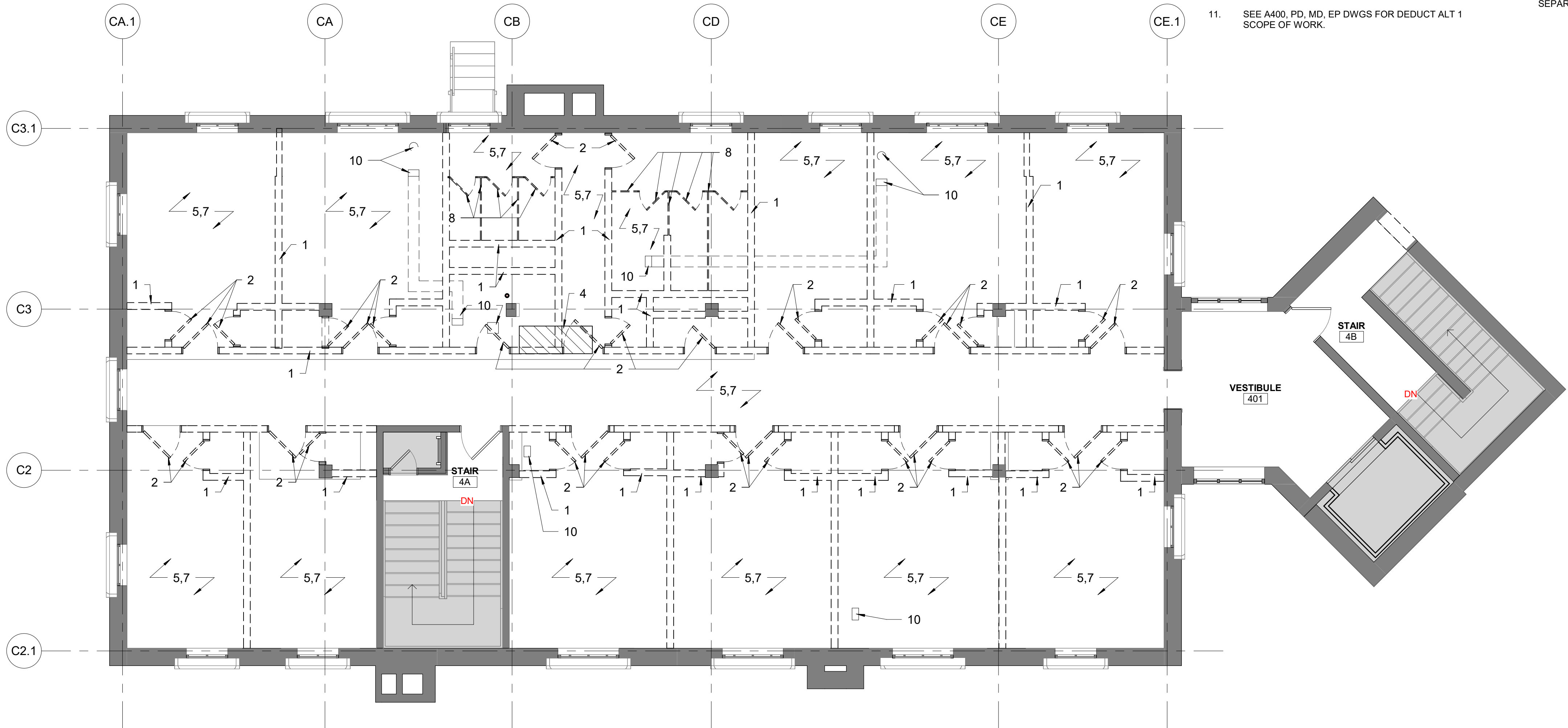
- EXISTING TO REMAIN
- TO BE DEMO'D
- CEILING DEMO

DEMO KEYNOTES:

1. REMOVE WALL AS INDICATED, PATCH FLOOR, JAMBS, & CEILINGS AS REQUIRED
2. REMOVE DOOR, FRAME, & HARDWARE
3. REMOVE PLUMBING FIXTURE + CAP WASTE LINE BELOW FLOOR LEVEL / PATCH FLOOR AS NECESSARY. SEE P DWGS.
4. DEMO FLOOR STRUCTURE IN THIS LOCATION FOR NEW MECHANICAL CHASE. PATCH FLOOR AROUND NEW OPENING AS REQ. SEE STRUCT DWGS.
5. DEMO EXISTING ACT/GWB CEILING AND REMOVE ALL LIGHT FIXTURES. SEE EL DWGS.
6. REMOVE COUNTERTOP
7. DEMO EXISTING FINISH FLOORING.
8. DEMO EXISTING TOILET PARTITIONS & PARTITION DOORS
9. DEMO ROOF STRUCTURE IN THIS LOCATION FOR NEW MECHANICAL DUCTS. PATCH ROOF AROUND NEW OPENINGS AS REQ. SEE STRUCTURAL & MECHANICAL DRAWINGS FOR FURTHER DEMO CLARIFICATION.
10. REFER TO MEP DEMOLITION DRAWINGS FOR REMOVAL OF EXISTING DUCTWORK, CONDUIT, & PIPING. TYP. PATCH FLOOR AS NECESSARY AT ALL FLOOR SLAB PENETRATIONS FROM DEMOLISHED DUCTWORK, CONDUIT, & PIPING.
11. SEE A400, PD, MD, EP DWGS FOR DEDUCT ALT 1 SCOPE OF WORK.

GENERAL DEMOLITION NOTES:

- A. G.C. TO PROTECT ADJACENT AREAS NOT AFFECTED BY CONSTRUCTION.
- B. G.C. AND SUBCONTRACTOR TO FIELD VERIFY ALL FIELD CONDITIONS PRIOR TO CONSTRUCTION.
- C. ALL EXISTING MATERIALS NOTED TO BE REMOVED SHALL BE PROPERLY DISPOSED BY G.C. UNLESS NOTED OTHERWISE. OWNER RESERVES THE RIGHT TO RETAIN AN ITEM NOTED FOR DEMOLITION.
- D. G.C. SHALL COORDINATE EXTENT OF ALL DEMOLITION WORK WITH NEW CONSTRUCTION. REFER TO COMPLETE DRAWING SET TO COORDINATE DEMOLITION WORK WITH TRADES.
- E. ALL ELECTRICAL, PLUMBING, AND MECHANICAL LOCATED IN WALLS AND CEILINGS NOTED TO BE REMOVED SHALL BE EITHER REMOVED BACK TO THE SOURCE OR LOCATED OUT OF HARM'S WAY. FOR RELOCATIONS IN NEW CONSTRUCTION, G.C. TO COORDINATE.
- F. CHIP OUT EXG PLASTER AT ALL WINDOWS ON FLOORS 3 AND 4 TO RECEIVE NEW DRYWALL BEAD. SEE A400. OMIT THIS SCOPE IN DEDUCT ALT 1.
- G. REMOVE ALL LIGHT FIXTURES IN DEMO'D CLGS AND DISPOSE UNLESS OTHERWISE NOTED TO BE SALVAGED.
- H. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING FOR ADDITIONAL DEMOLITION SCOPE.
- I. NO DEMOLITION TO EXTERIOR WALLS, TYP, UNO.
- J. SPRINKLER IN DEMO CEILING TO BE REMOVED.
- K. FA DEVICES IN DEMO CEILING TO BE REMOVED, SEE EP DWGS.
- L. FILL / SEAL EXISTING FLOOR PENETRATIONS TO MEET REQUIRED SEPARATION REQUIREMENTS. SEE LIFE SAFETY PLANS ON G002.



1 FOURTH FLOOR DEMO  
3/16" = 1'-0"



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656

PROJECT NAME:

MCJA - BUILDING  
C LIMITED  
RENOVATIONS

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

NOT FOR  
CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT TO  
BE COPIED OR REPRODUCED IN PART OR  
WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APR 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID

FOURTH FLOOR  
DEMO PLAN

AD104



DEMO LEGEND:

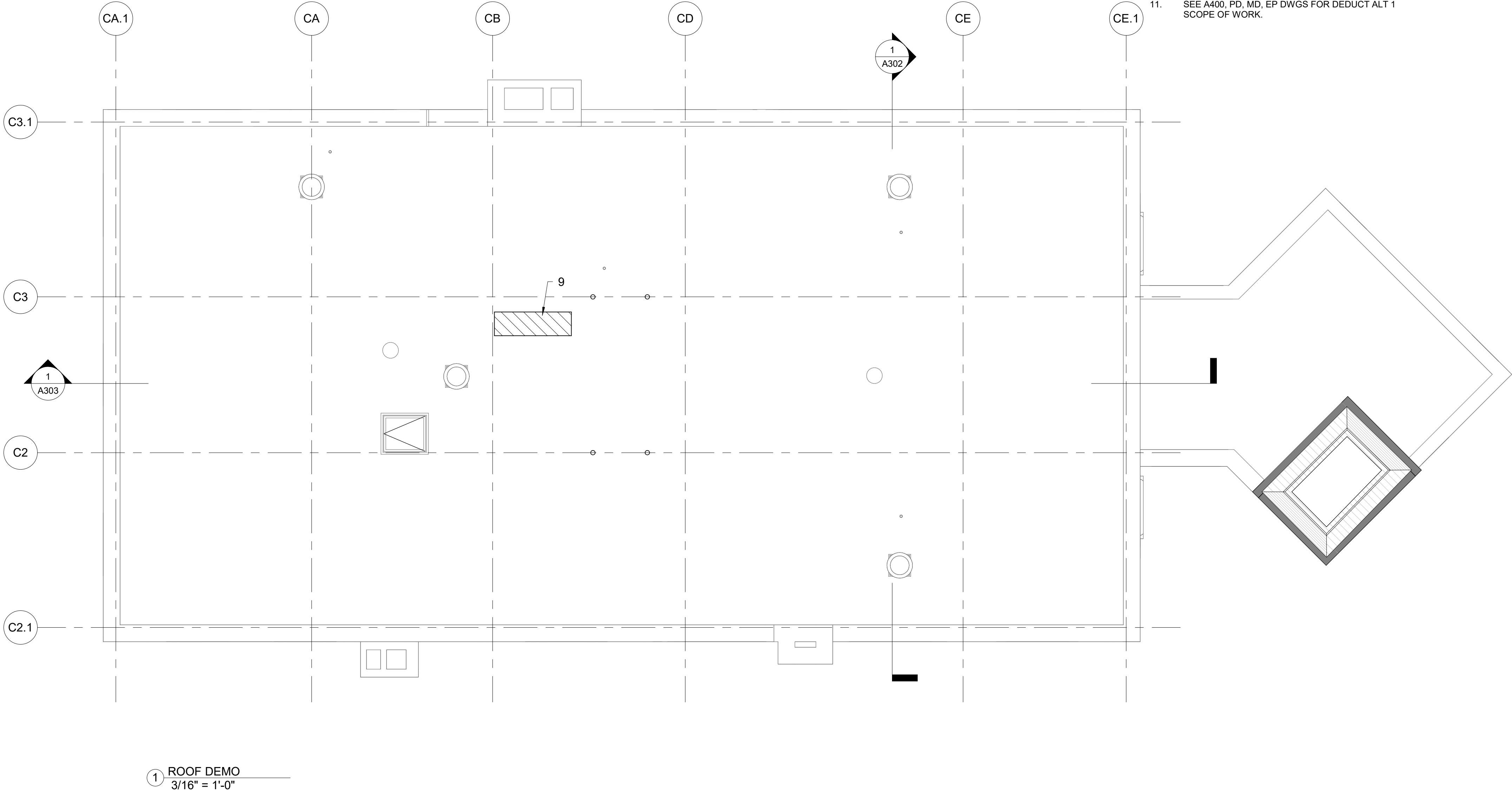
- EXISTING TO REMAIN
- TO BE DEMO'D
- CEILING DEMO

DEMO KEYNOTES:

1. REMOVE WALL AS INDICATED, PATCH FLOOR, JAMBS, & CEILINGS AS REQUIRED
2. REMOVE DOOR, FRAME, & HARDWARE
3. REMOVE PLUMBING FIXTURE + CAP WASTE LINE BELOW FLOOR LEVEL / PATCH FLOOR AS NECESSARY. SEE P DWGS.
4. DEMO FLOOR STRUCTURE IN THIS LOCATION FOR NEW MECHANICAL CHASE. PATCH FLOOR AROUND NEW OPENING AS REQ. SEE STRUCT DWGS.
5. DEMO EXISTING ACT/GWB CEILING AND REMOVE ALL LIGHT FIXTURES. SEE EL DWGS.
6. REMOVE COUNTERTOP
7. DEMO EXISTING FINISH FLOORING.
8. DEMO EXISTING TOILET PARTITIONS & PARTITION DOORS
9. DEMO ROOF STRUCTURE IN THIS LOCATION FOR NEW MECHANICAL DUCTS. PATCH ROOF AROUND NEW OPENINGS AS REQ. SEE STRUCTURAL & MECHANICAL DRAWINGS FOR FURTHER DEMO CLARIFICATION.
10. REFER TO MEP DEMOLITION DRAWINGS FOR REMOVAL OF EXISTING DUCTWORK, CONDUIT, & PIPING. TYP. PATCH FLOOR AS NECESSARY AT ALL FLOOR SLAB PENETRATIONS FROM DEMOLISHED DUCTWORK, CONDUIT, & PIPING.
11. SEE A400, PD, MD, EP DWGS FOR DEDUCT ALT 1 SCOPE OF WORK.

GENERAL DEMOLITION NOTES:

- A. G.C. TO PROTECT ADJACENT AREAS NOT AFFECTED BY CONSTRUCTION.
- B. G.C. AND SUBCONTRACTOR TO FIELD VERIFY ALL FIELD CONDITIONS PRIOR TO CONSTRUCTION.
- C. ALL EXISTING MATERIALS NOTED TO BE REMOVED SHALL BE PROPERLY DISPOSED BY G.C. UNLESS NOTED OTHERWISE. OWNER RESERVES THE RIGHT TO RETAIN AN ITEM NOTED FOR DEMOLITION.
- D. G.C. SHALL COORDINATE EXTENT OF ALL DEMOLITION WORK WITH NEW CONSTRUCTION. REFER TO COMPLETE DRAWING SET TO COORDINATE DEMOLITION WORK WITH TRADES.
- E. ALL ELECTRICAL, PLUMBING, AND MECHANICAL LOCATED IN WALLS AND CEILINGS NOTED TO BE REMOVED SHALL BE EITHER REMOVED BACK TO THE SOURCE OR LOCATED OUT OF HARM'S WAY. FOR RELOCATIONS IN NEW CONSTRUCTION, G.C. TO COORDINATE.
- F. CHIP OUT EXG PLASTER AT ALL WINDOWS ON FLOORS 3 AND 4 TO RECEIVE NEW DRYWALL BEAD. SEE A400. OMIT THIS SCOPE IN DEDUCT ALT 1.
- G. REMOVE ALL LIGHT FIXTURES IN DEMO'D CLGS AND DISPOSE UNLESS OTHERWISE NOTED TO BE SALVAGED.
- H. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING FOR ADDITIONAL DEMOLITION SCOPE.
- I. NO DEMOLITION TO EXTERIOR WALLS, TYP, UNO.
- J. SPRINKLER IN DEMO CEILING TO BE REMOVED.
- K. FA DEVICES IN DEMO CEILING TO BE REMOVED. SEE EP DWGS.
- L. FILL / SEAL EXISTING FLOOR PENETRATIONS TO MEET REQUIRED SEPARATION REQUIREMENTS. SEE LIFE SAFETY PLANS ON G002.



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT TO  
BE COPIED OR REPRODUCED IN PART OR  
WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

△ REVISIONS	

DATE OF ISSUE: **APR 8, 2025**  
PROJECT NUMBER: **2023-0070**  
STATUS: **ISSUED FOR BID**

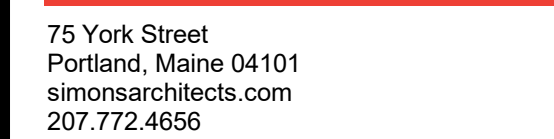
**ROOF DEMO  
PLAN**

**AD105**









75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656

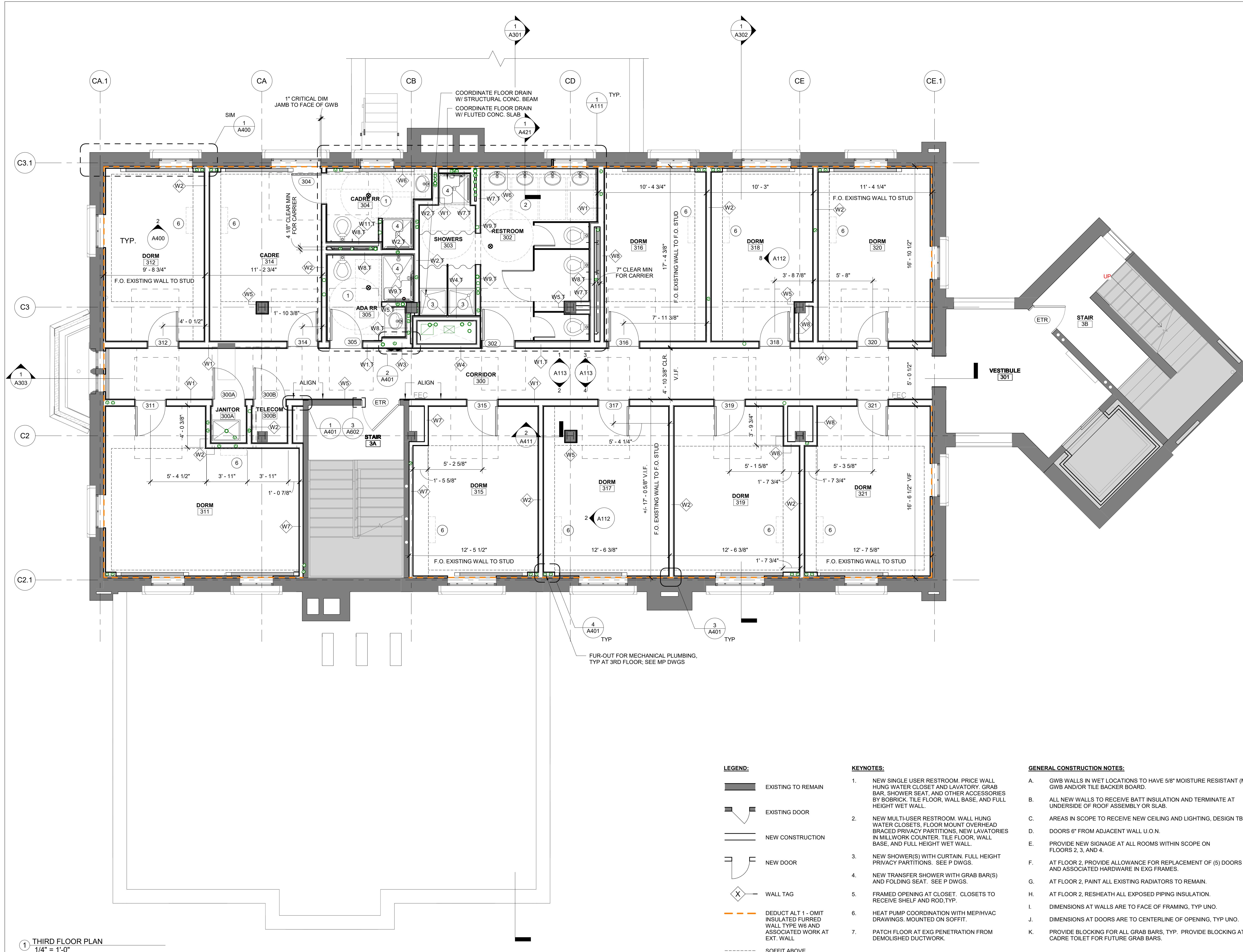
SEAL: \_\_\_\_\_

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT TO  
BE COPIED OR REPRODUCED IN PART OR  
WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

## REVISIONS

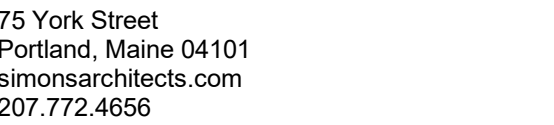
STATUS:	ISSUED FOR BID
---------	----------------

A103



① THIRD FLOOR PLAN  
1/4" = 1'-0"





75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656

PROJECT NAME:

**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**

15 OAK GROVE RD  
WASSALBORO, ME 04989

SEAL:

NOT FOR  
CONSTRUCTION

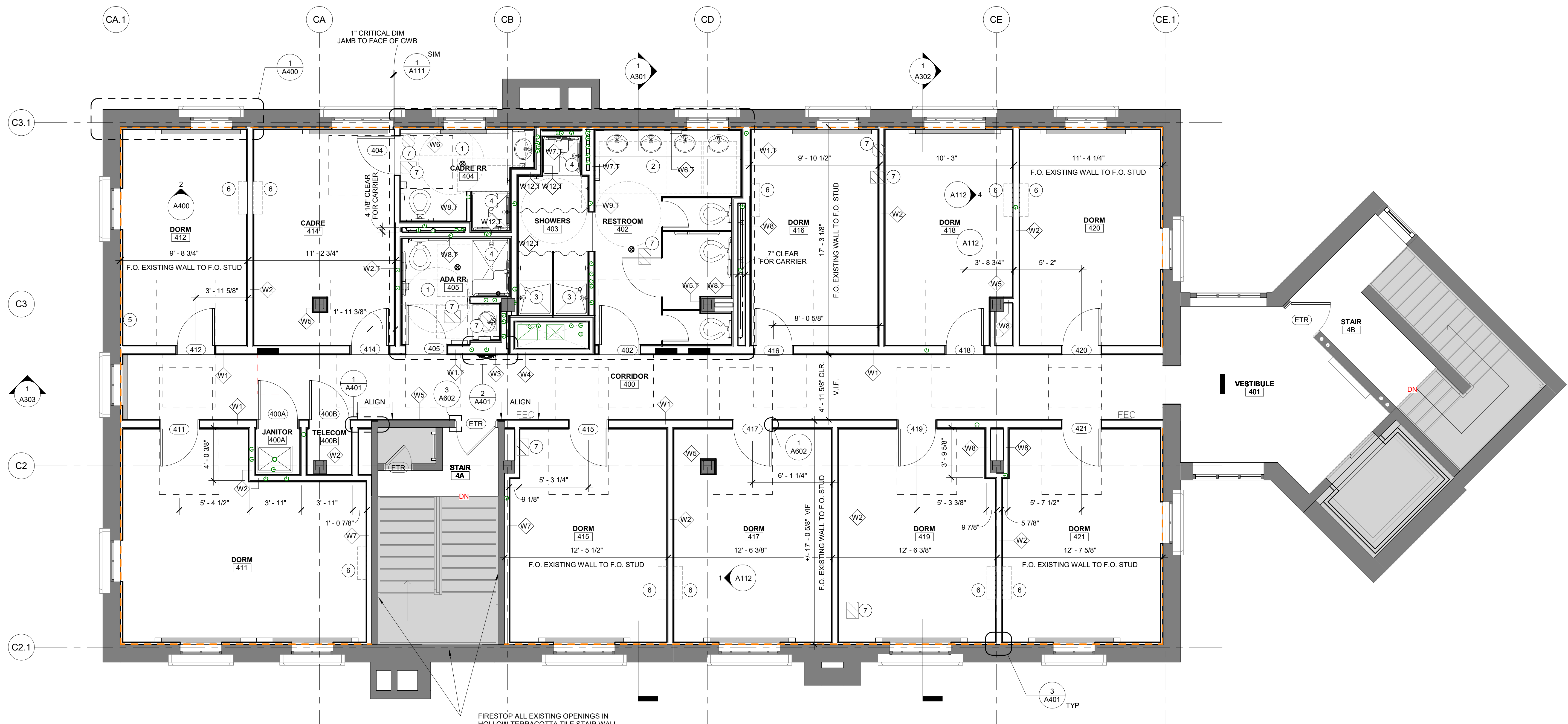
THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT TO  
BE COPIED OR REPRODUCED IN PART OR  
WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

## REVISIONS

DATE OF ISSUE:	APR 8, 2025
PROJECT NUMBER:	2023-0070
STATUS:	ISSUED FOR BID

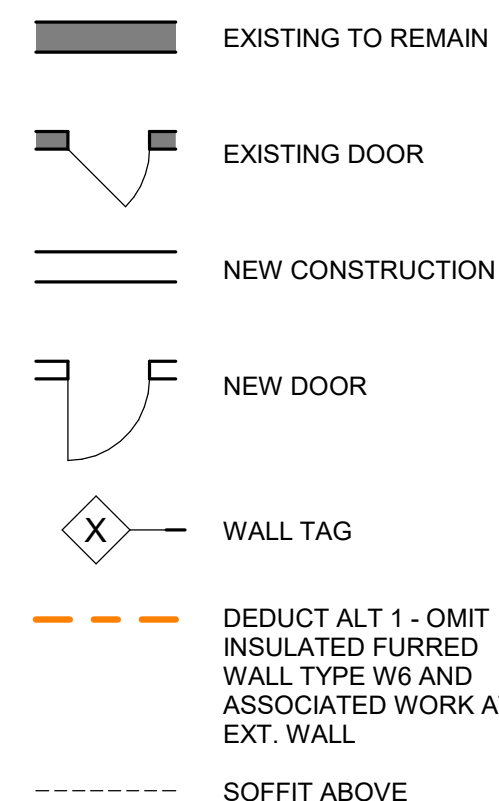
## BUILDING C - FOURTH FLOOR PLAN

A104



① FOURTH FLOOR PLAN  
1/4" = 1'-0"

**LEGEND:**



**KEYNOTES:**

1. NEW SINGLE USER RESTROOM. PRICE WALL HUNG WATER CLOSET AND LAVATORY, GRAB BAR, SHOWER SEAT, AND OTHER ACCESSORIES BY BOBBICK. TILE FLOOR, WALL BASE, AND FULL HEIGHT WET WALL.
2. NEW MULTI-USER RESTROOM. WALL HUNG WATER CLOSETS, FLOOR MOUNT OVERHEAD BIDET, PRIVATE PARTITIONS, NEW LAVATORIES IN MILLWORK COUNTER, TILE FLOOR, WALL BASE, AND FULL HEIGHT WET WALL.
3. NEW SHOWER(S) WITH CURTAIN. FULL HEIGHT PRIVATE PARTITIONS. SEE P DWGS.
4. NEW TRANSFER SHOWER WITH GRAB BAR(S) AND FOLDING SEAT. SEE P DWGS.
5. FRAMED OPENING AT CLOSET. CLOSETS TO RECEIVE SHELF AND ROD,TYPE.
6. HEAT PUMP COORDINATION WITH MEP/HVAC DRAWINGS. MOUNTED ON SOFFIT.
7. PATCH FLOOR AT EXG PENETRATION FROM DEMOLISHED DUCTWORK.

**GENERAL CONSTRUCTION NOTES:**

- A. GWB WALLS IN WET LOCATIONS TO HAVE 5/8" MOISTURE RESISTANT (MR) GWB AND/OR TILE BACKER BOARD.
- B. ALL NEW WALLS TO RECEIVE BATT INSULATION AND TERMINATE AT UNDERSIDE OF ROOF ASSEMBLY OR SLAB.
- C. AREAS IN SCOPE TO RECEIVE NEW CEILING AND LIGHTING. DESIGN TBD
- D. DOORS 6" FROM ADJACENT WALL U.O.N.
- E. PROVIDE NEW SIGNAGE AT ALL ROOMS WITHIN SCOPE ON FLOORS 2, 3, AND 4.
- F. AT FLOOR 2, PROVIDE ALLOWANCE FOR REPLACEMENT OF (5) DOORS AND ASSOCIATED HARDWARE IN EXG FRAMES.
- G. AT FLOOR 2, PAINT ALL EXISTING RADIATORS TO REMAIN.
- H. AT FLOOR 2, RESHEATH ALL EXPOSED PIPING INSULATION.
- I. DIMENSIONS AT WALLS ARE TO FACE OF FRAMING, TYP UNO.
- J. DIMENSIONS AT DOORS ARE TO CENTERLINE OF OPENING, TYP UNO.
- K. PROVIDE BLOCKING FOR ALL GRAB BARS, TYP. PROVIDE BLOCKING AT CADRE TOILET FOR FUTURE GRAB BARS.





75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656

PROJECT NAME:  
**MCJA - BUILDING C LIMITED RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
**NOT FOR CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF SIMONS ARCHITECTS (SA) AND IS NOT TO BE COPIED OR REPRODUCED IN PART OR WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

△	REVISIONS

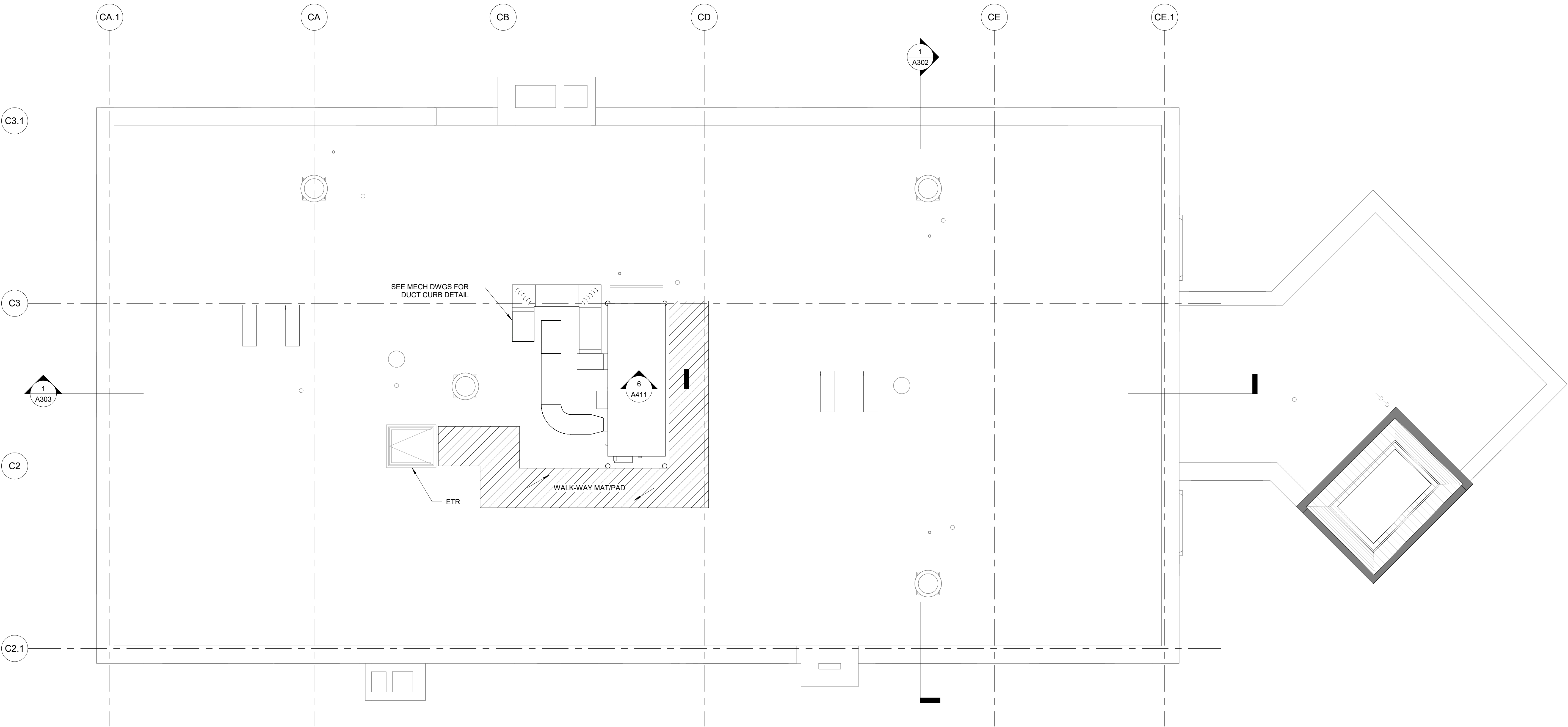
DATE OF ISSUE: **APR 8, 2025**  
PROJECT NUMBER: **2023-0070**  
STATUS: **ISSUED FOR BID**

**BUILDING C - ROOF PLAN**

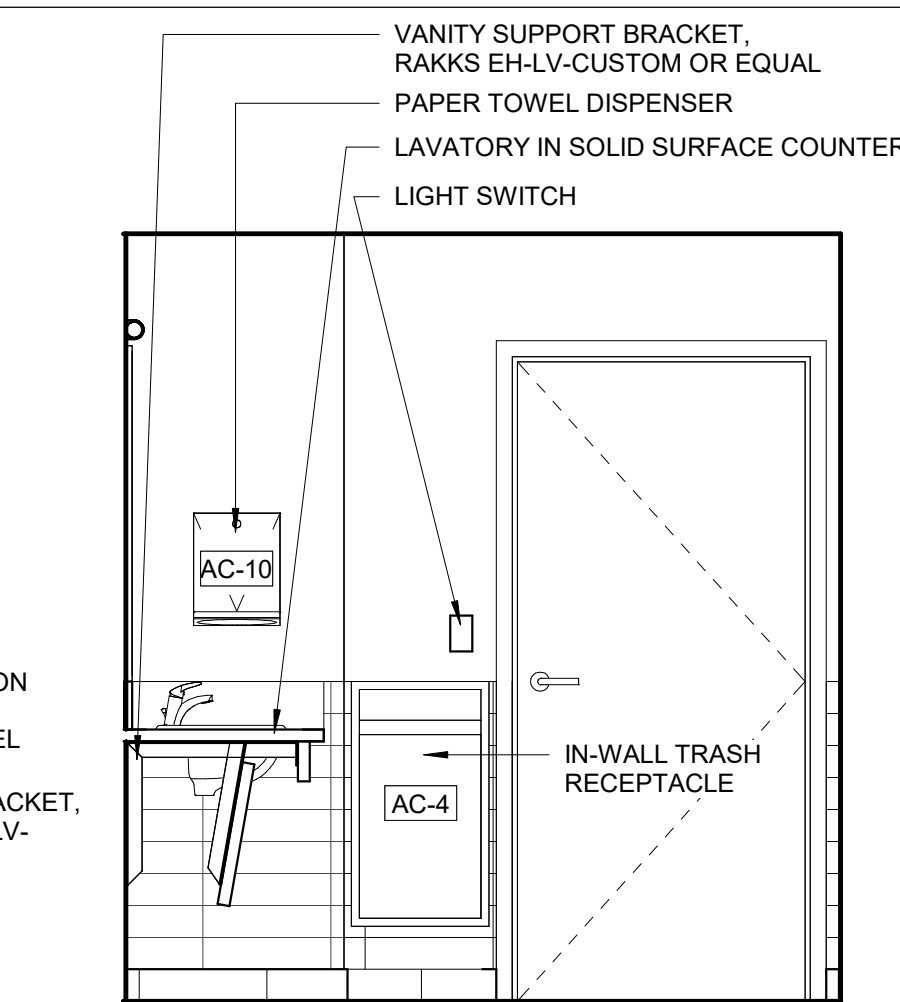
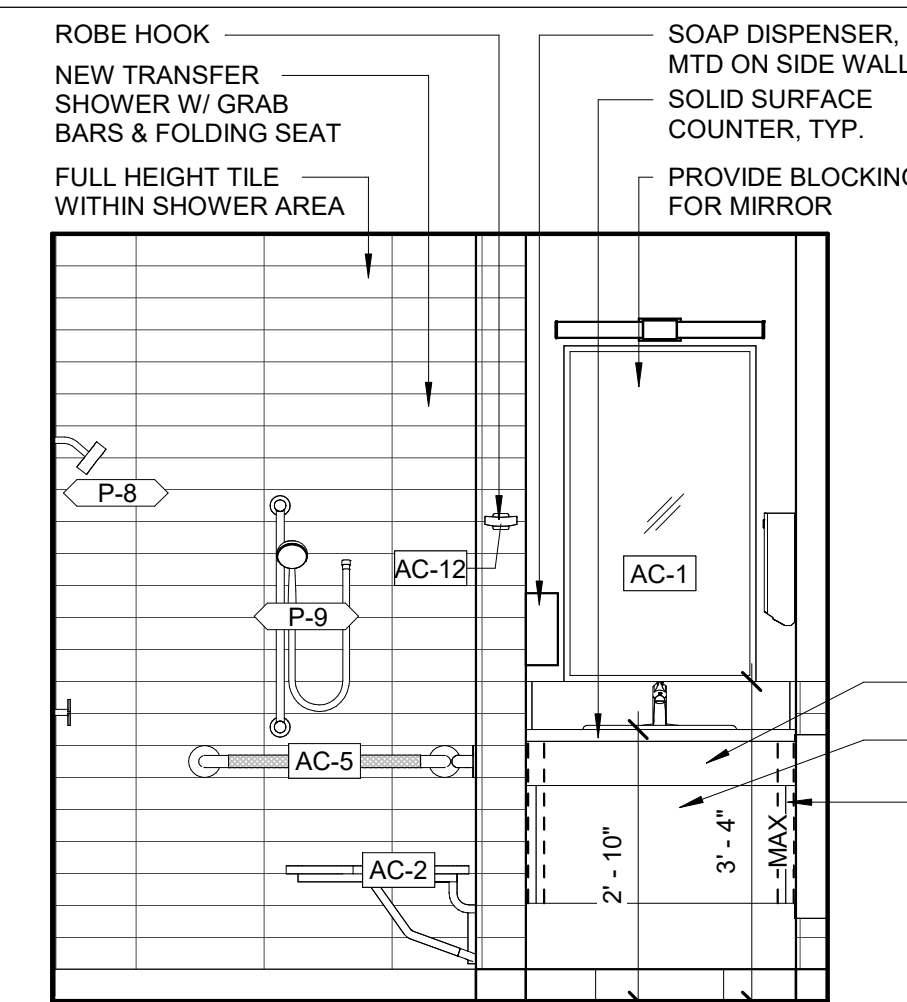
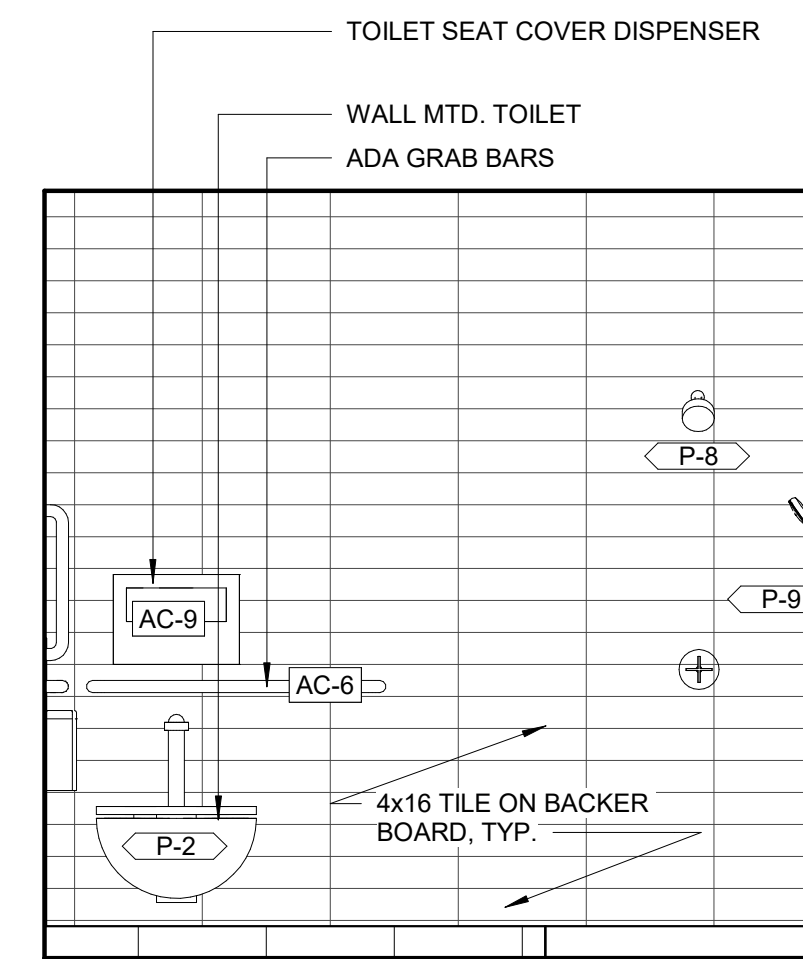
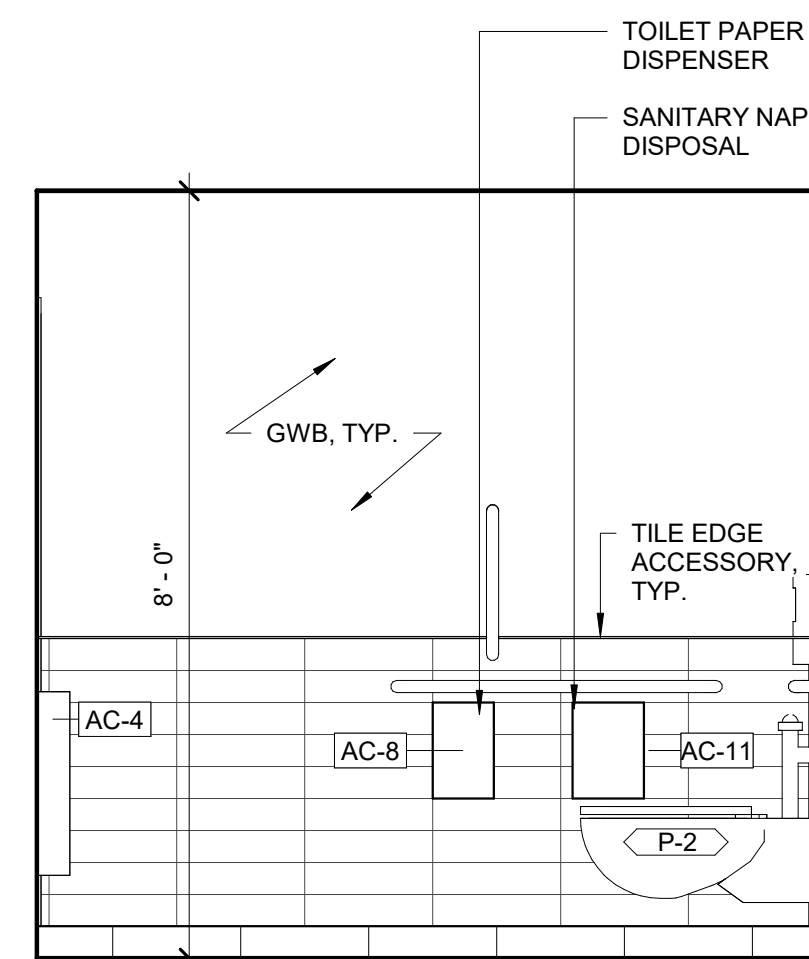
**A105**

- ROOF CONSTRUCTION NOTES:**
- A. REFERENCE LE MESSURIER BUILDING C ROOF REPORT, TO BE ISSUED.
  - B. RECONNECT ALL DISCONNECTED ROOF DRAINS.
  - C. ALLOW FOR PATCHING 15% OF EXISTING ROOF AREA TO REDUCE PONDING WATER.

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

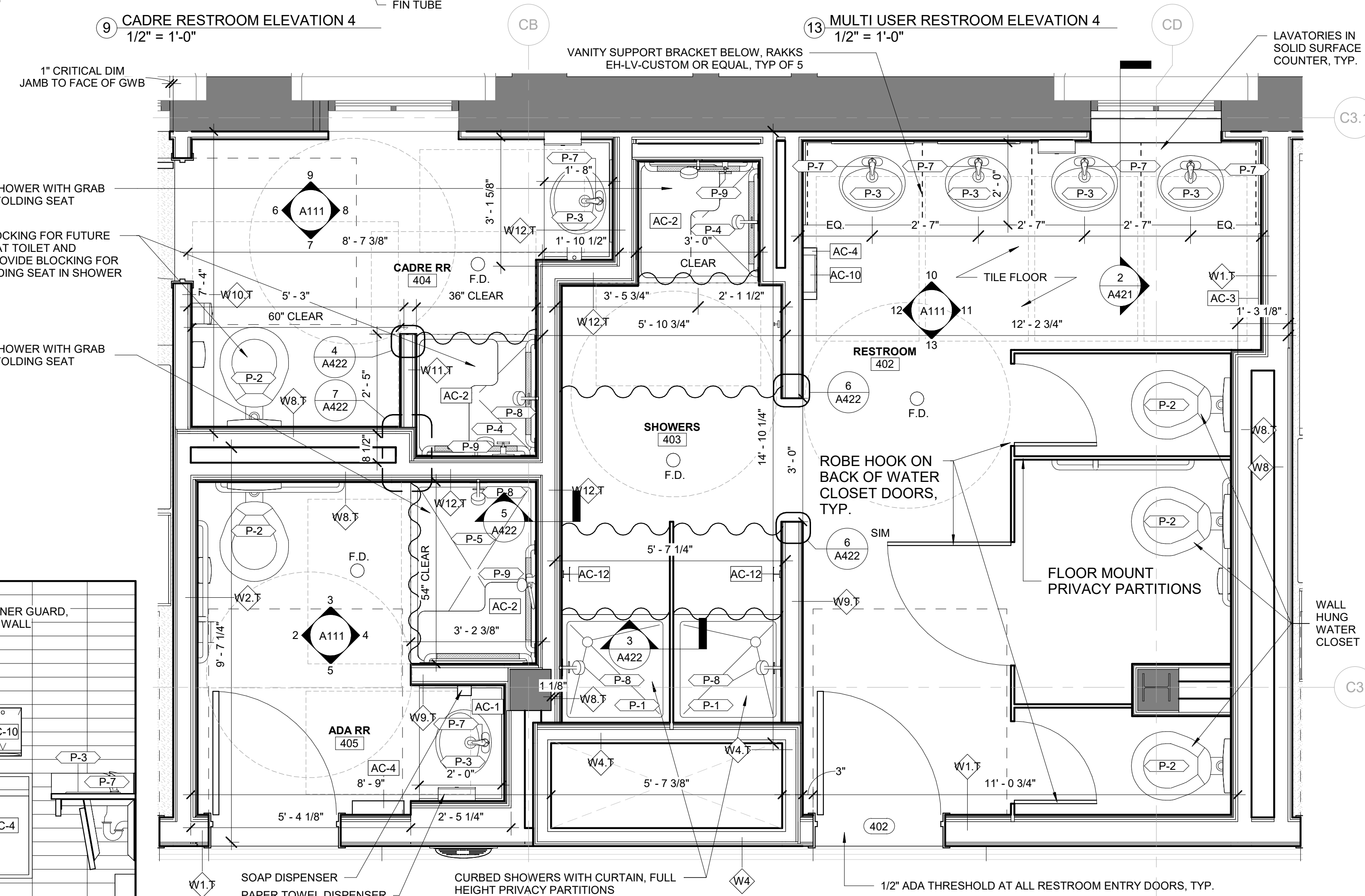
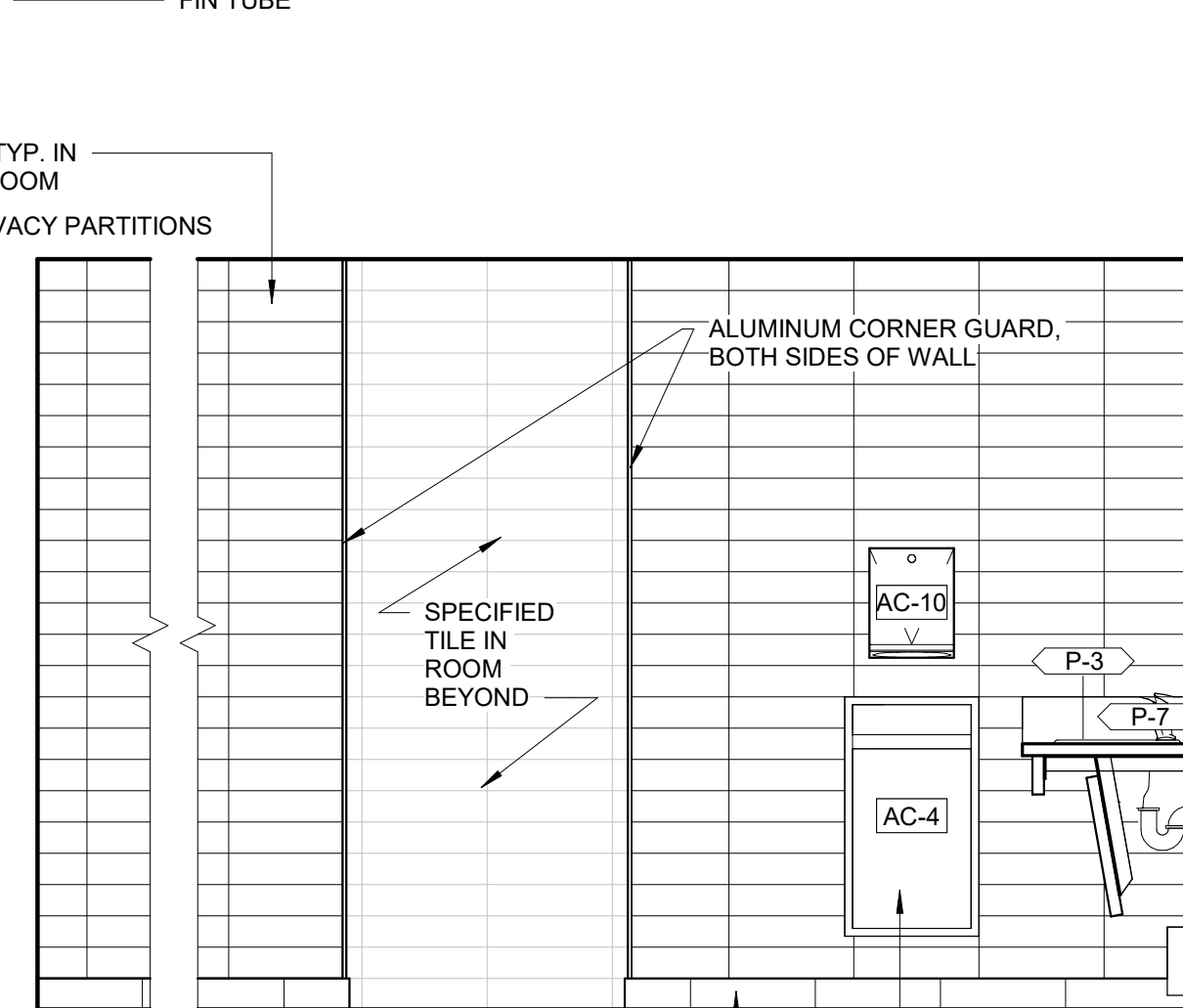
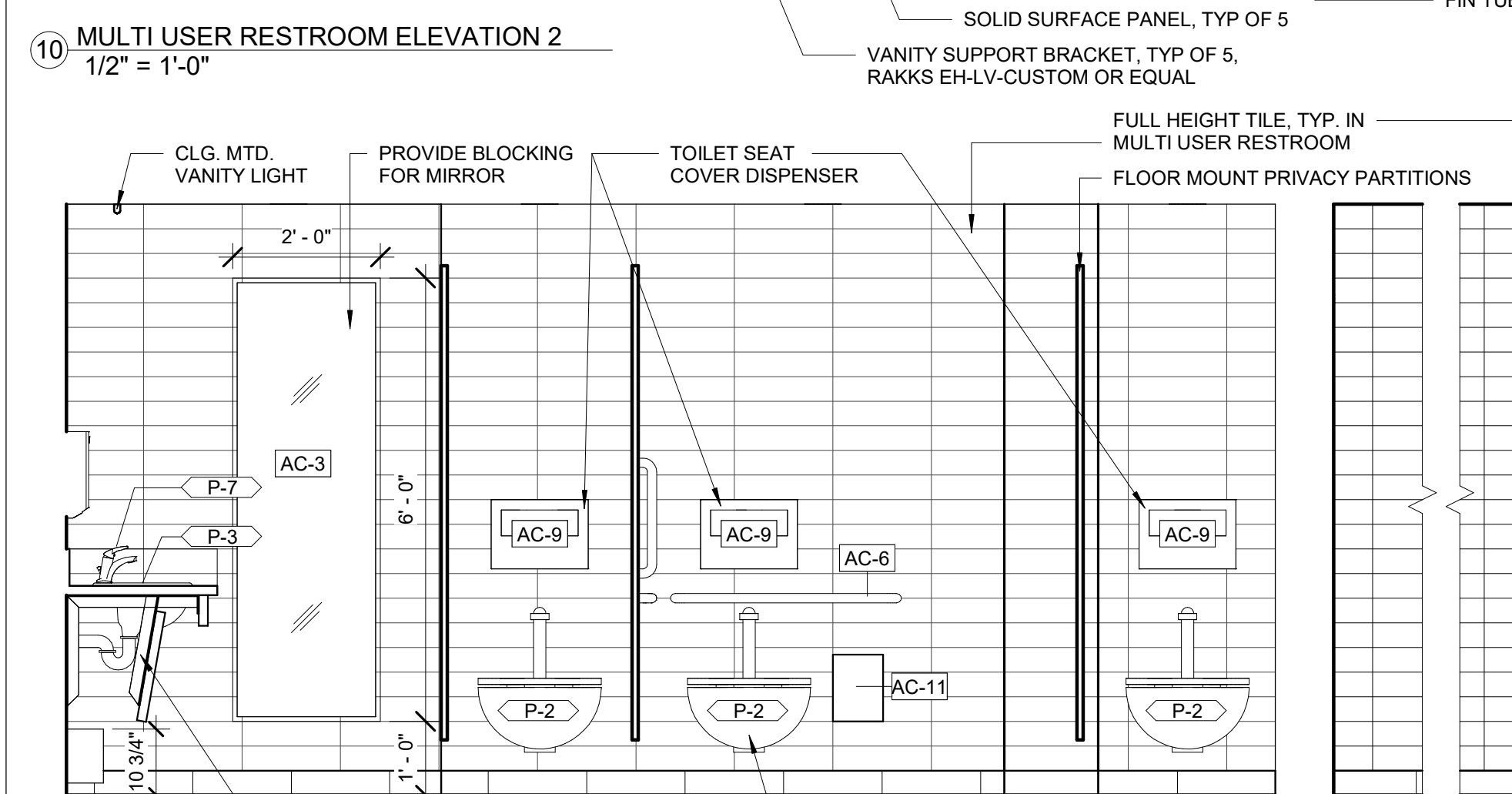
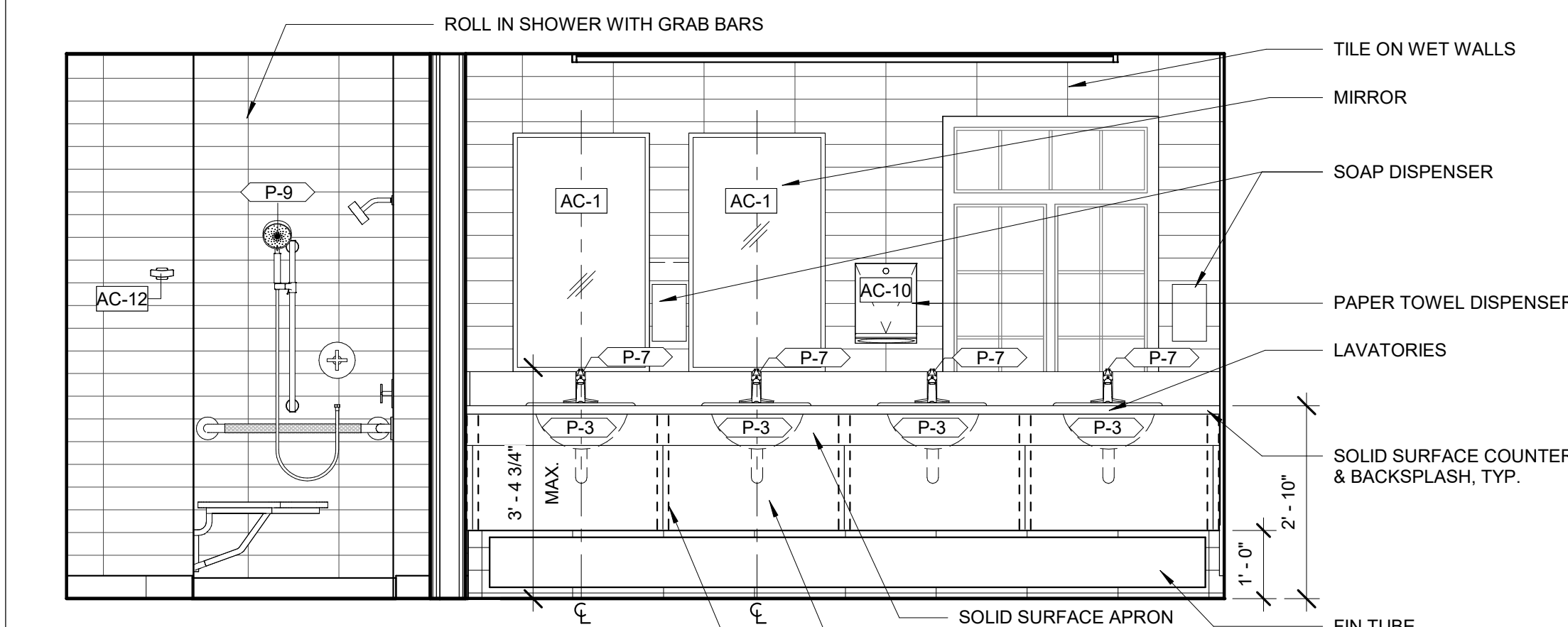
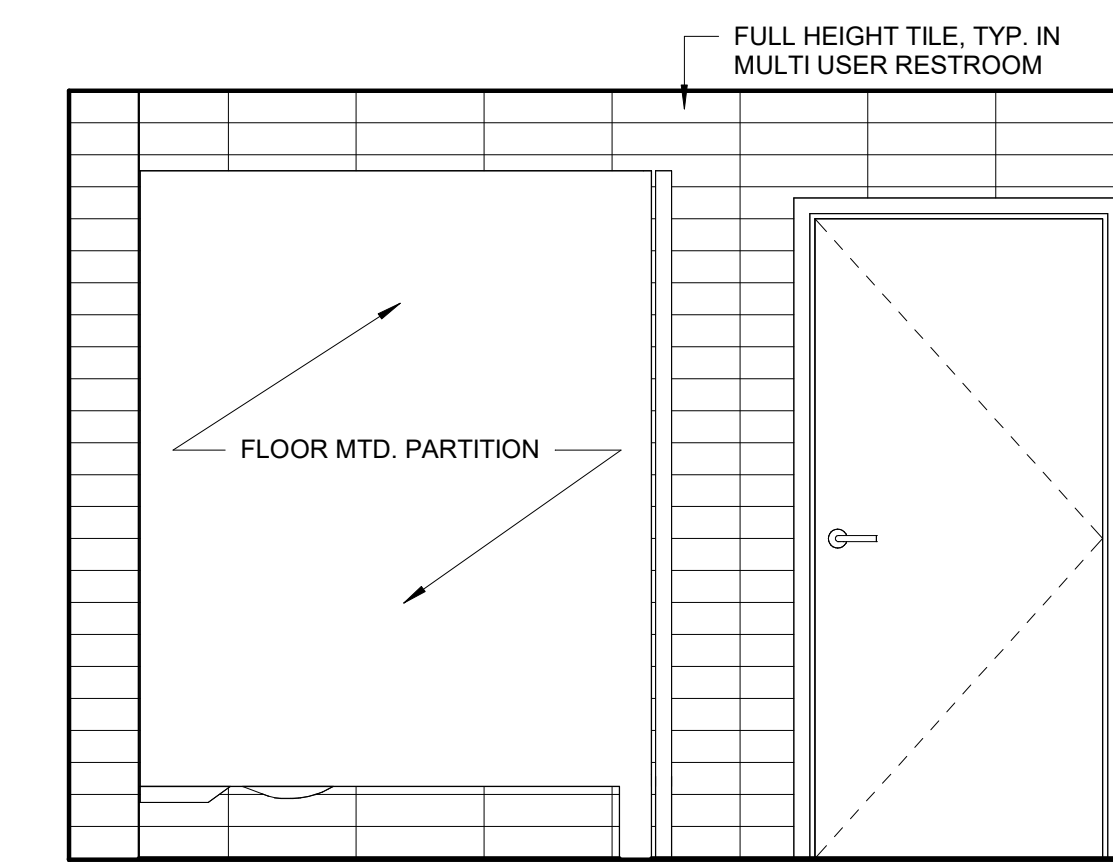
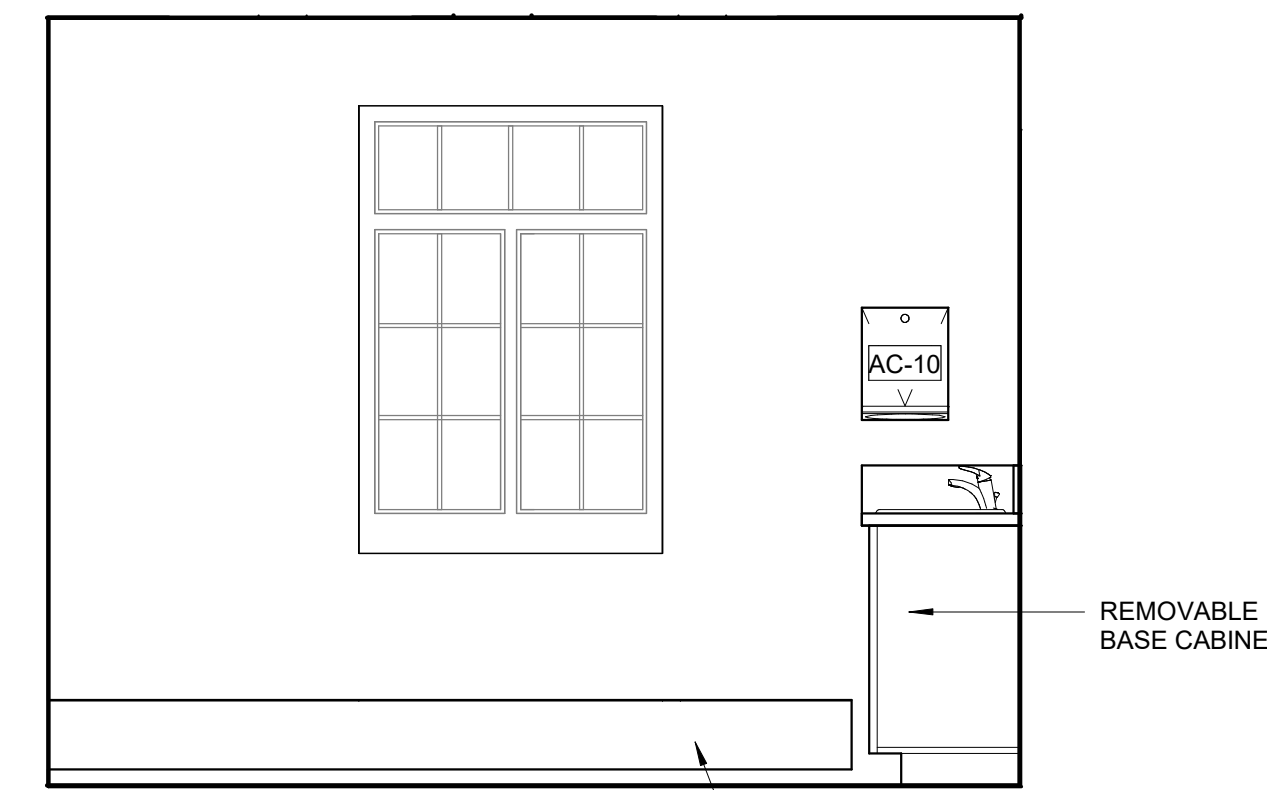
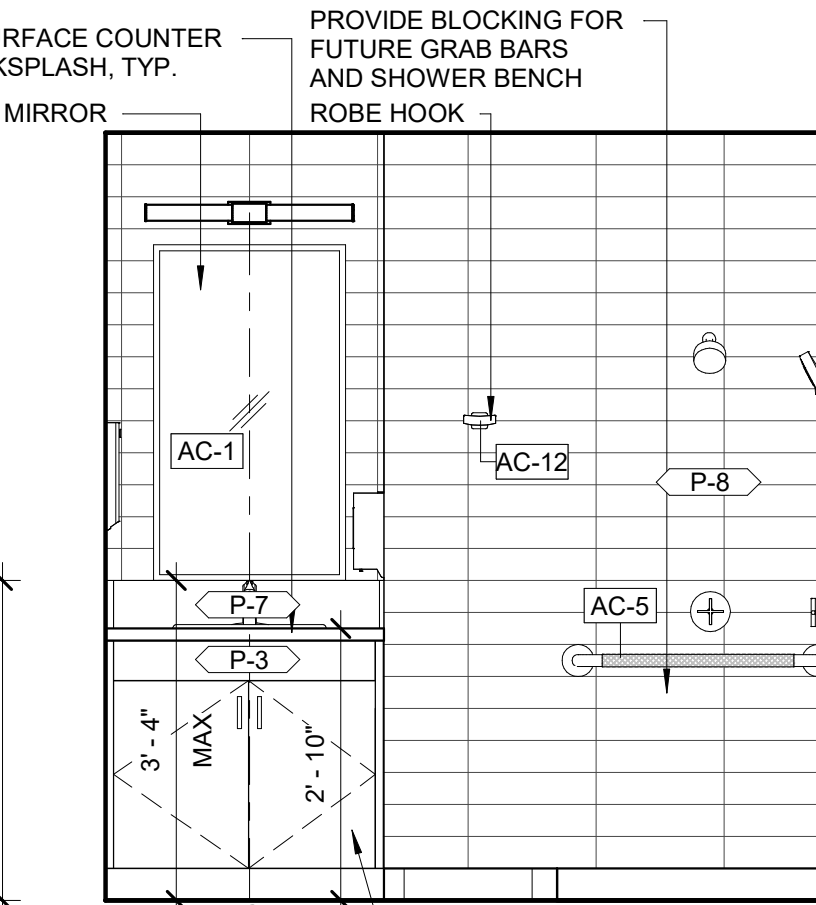
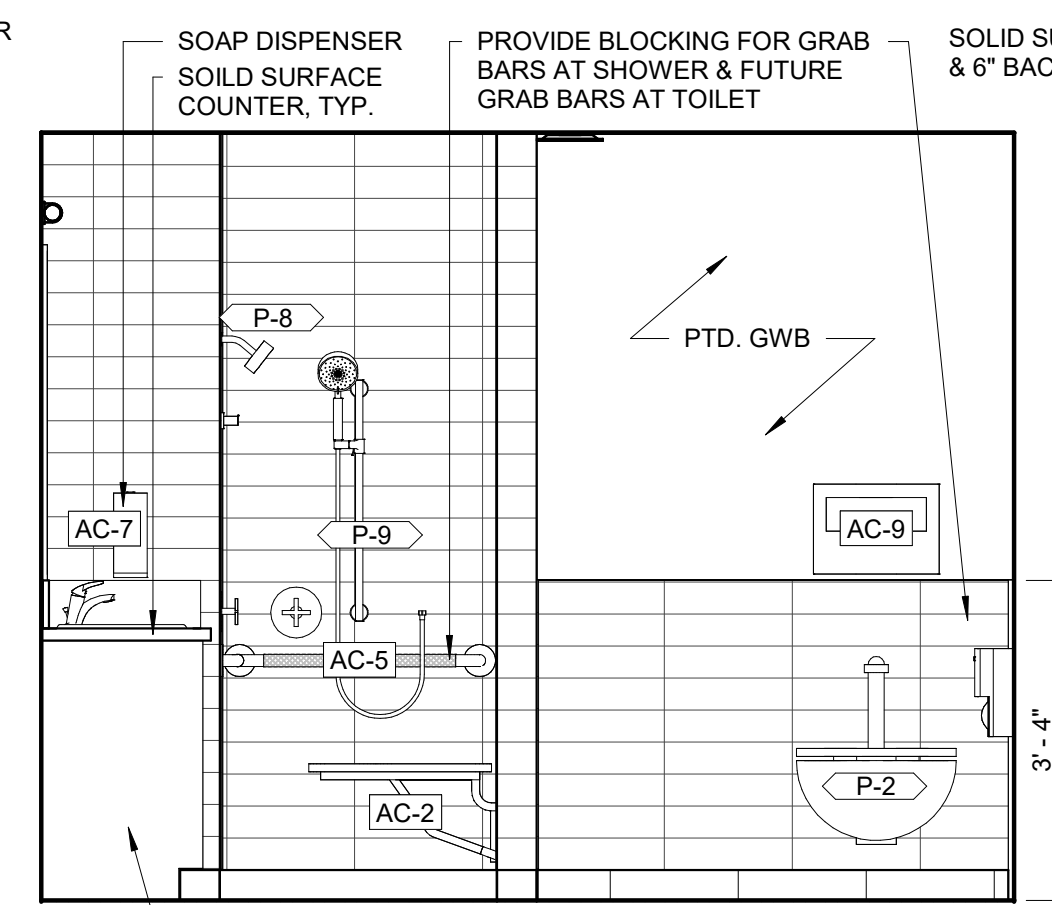
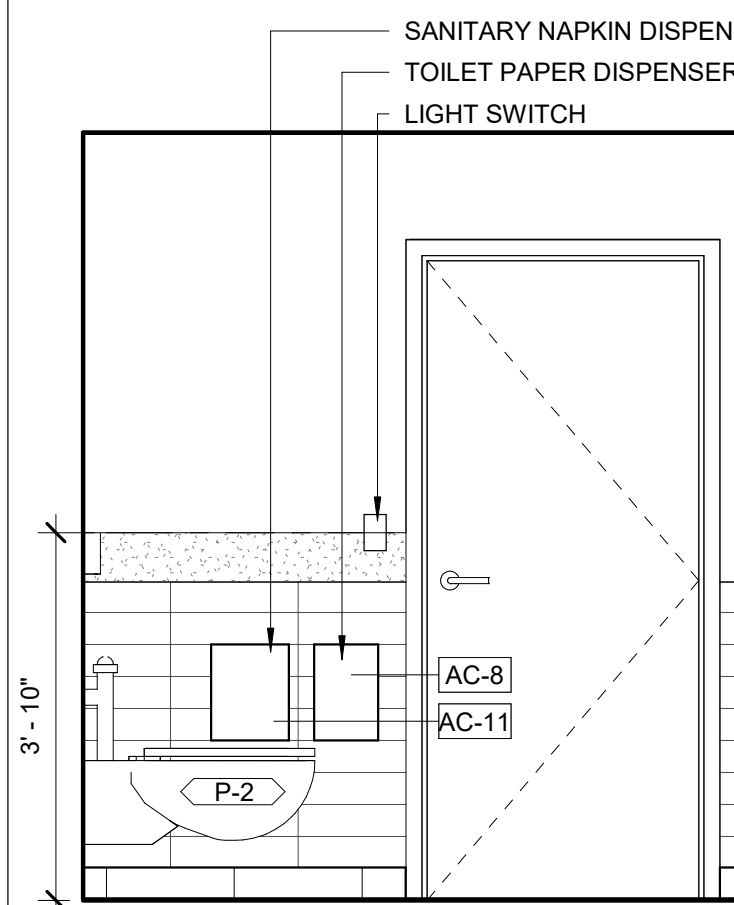




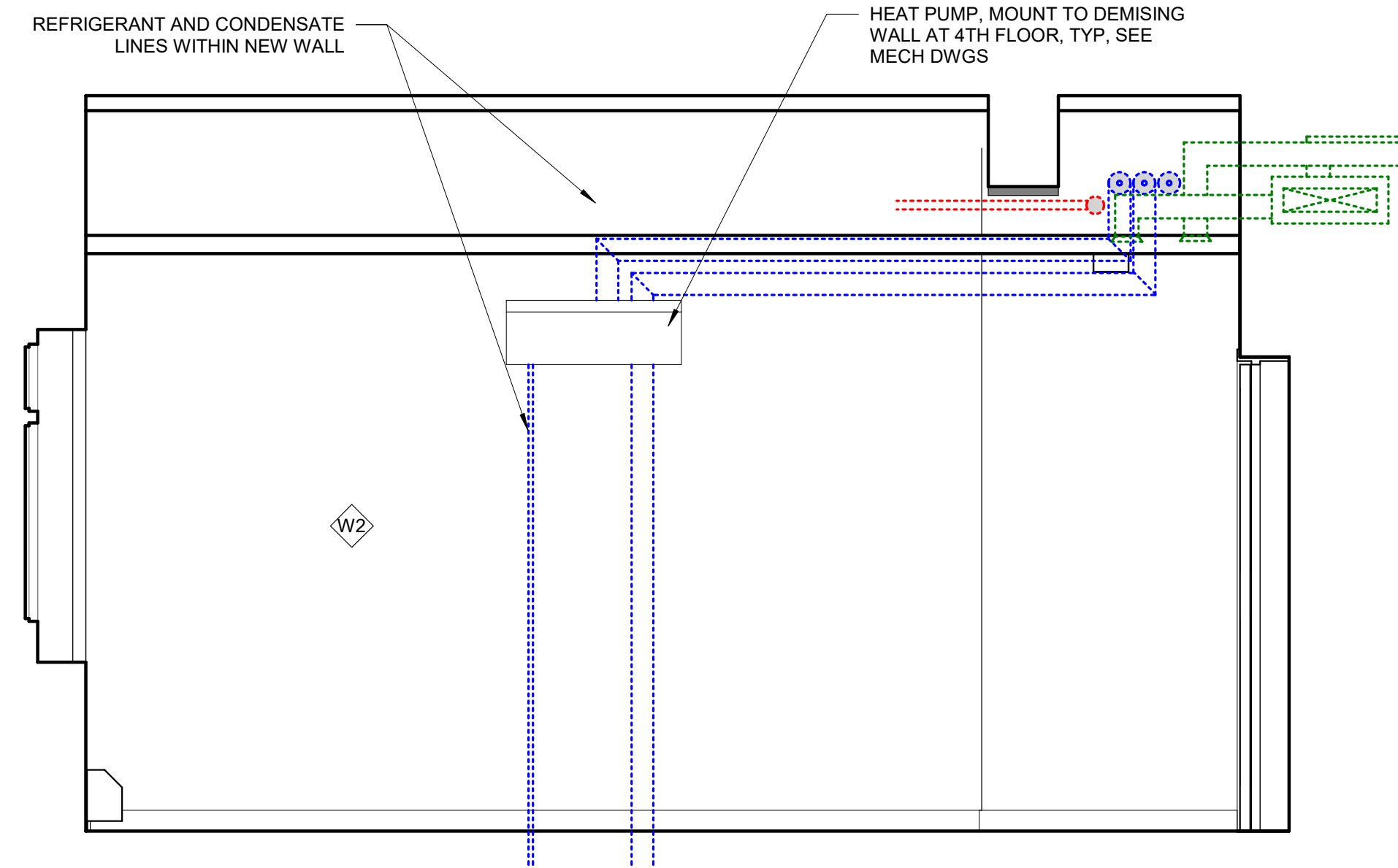


ACCESSORIES SCHEDULE	
Type Mark	Description
AC-1	24x42 MIRROR
AC-2	ADA SHOWER SEAT
AC-3	24x72 MIRROR
AC-4	RECESSED TRASH RECEPTACLE
AC-5	ADA SHOWER GRAB BARS
AC-6	ADA TOILET GRAB BARS
AC-7	WALL MTD. SOAP DISPENSER
AC-8	TOILET TISSUE DISPENSER
AC-9	SEAT COVER DISPENSER
AC-10	PAPER TOWEL DISPENSER
AC-11	SANITARY NAPKIN DISPOSAL
AC-12	ROBE HOOK

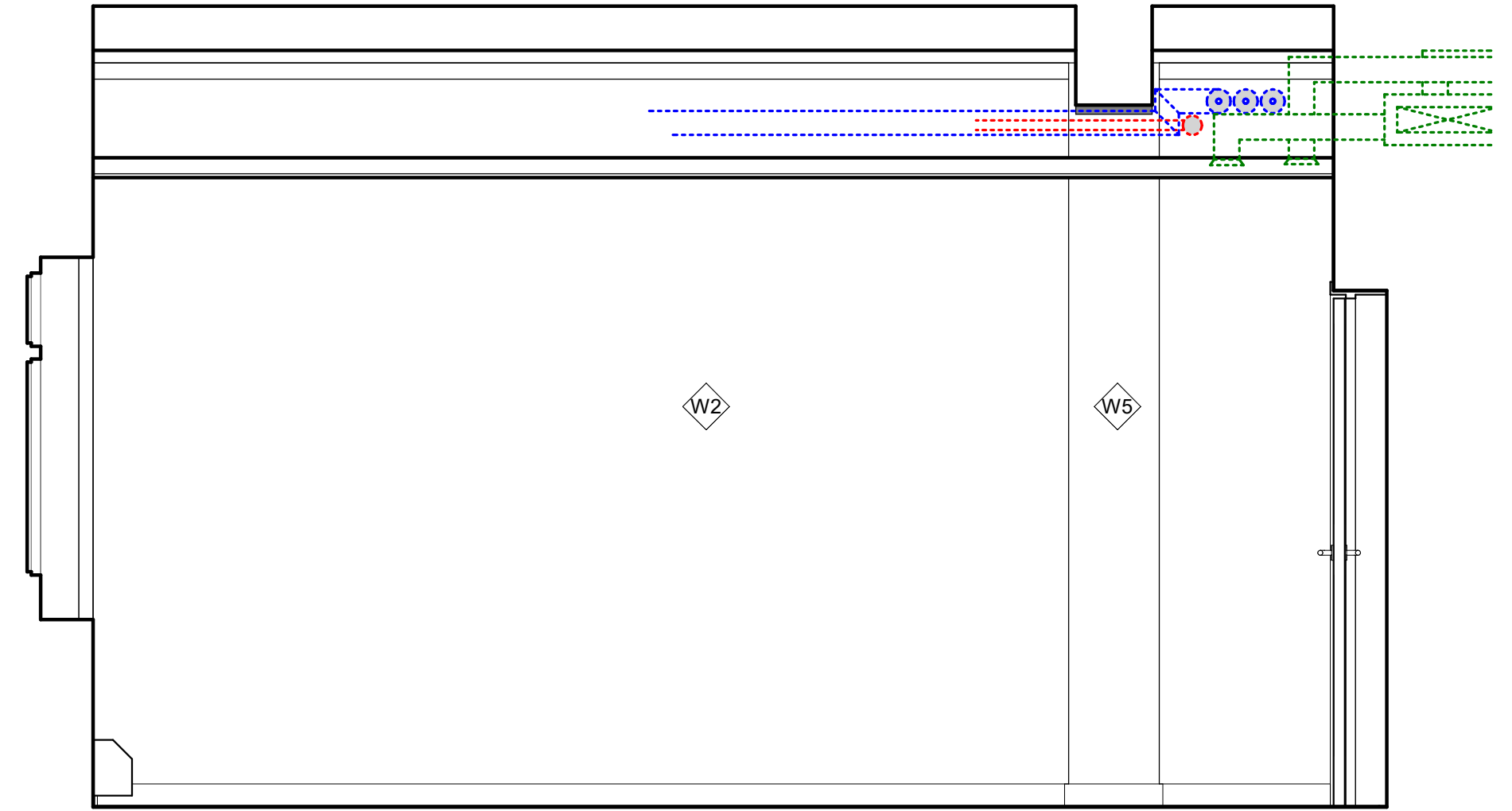
PLUMBING FIXTURE SCHEDULE	
Type Mark	Fixture
P-1	SHOWER PAN
P-2	WATER CLOSET
P-3	SINK
P-4	TRANSFER SHOWER PAN
P-5	ADA TRANSFER SHOWER PAN
P-6	BOTTLE FILLING STATION
P-7	SINK FAUCET
P-8	SHOWER HEAD
P-9	HAND SHOWER ON BAR



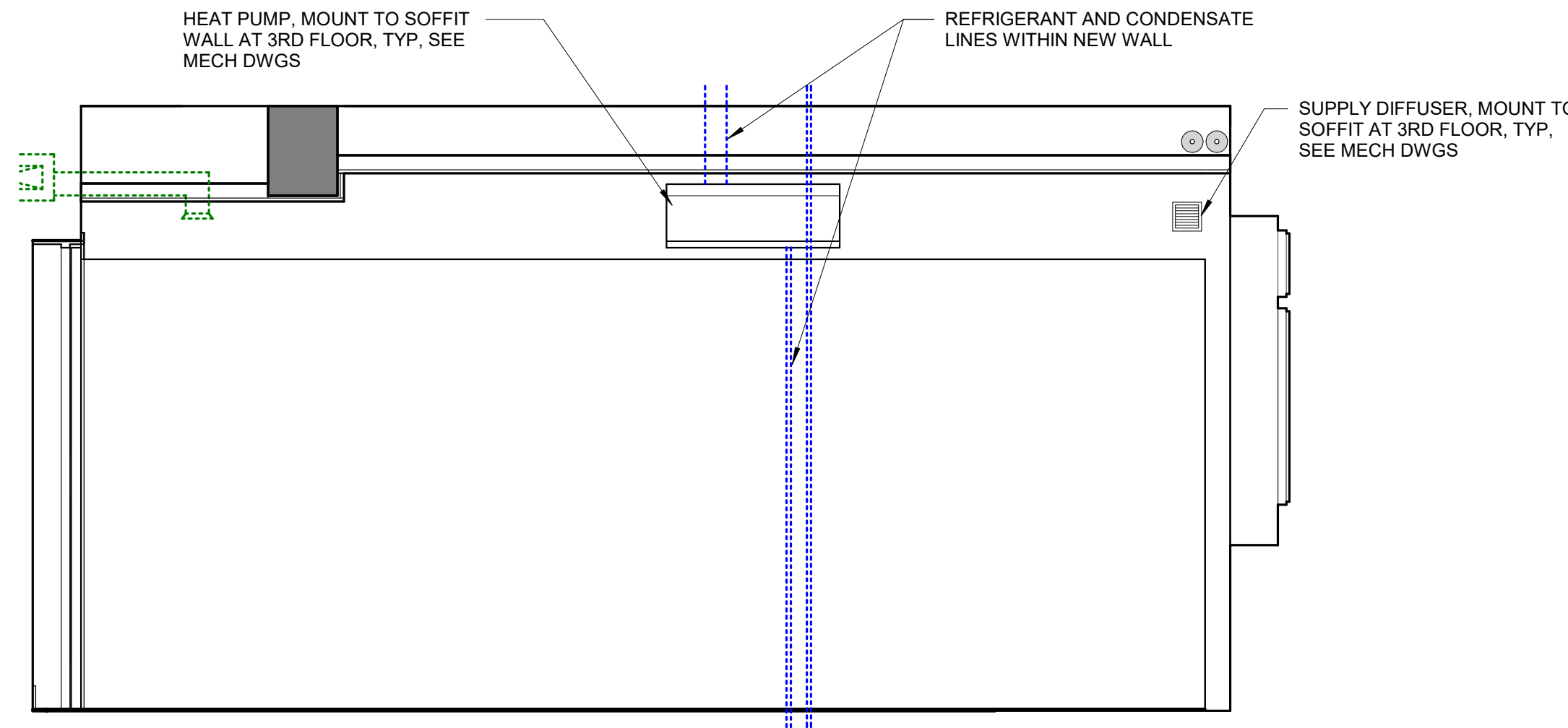




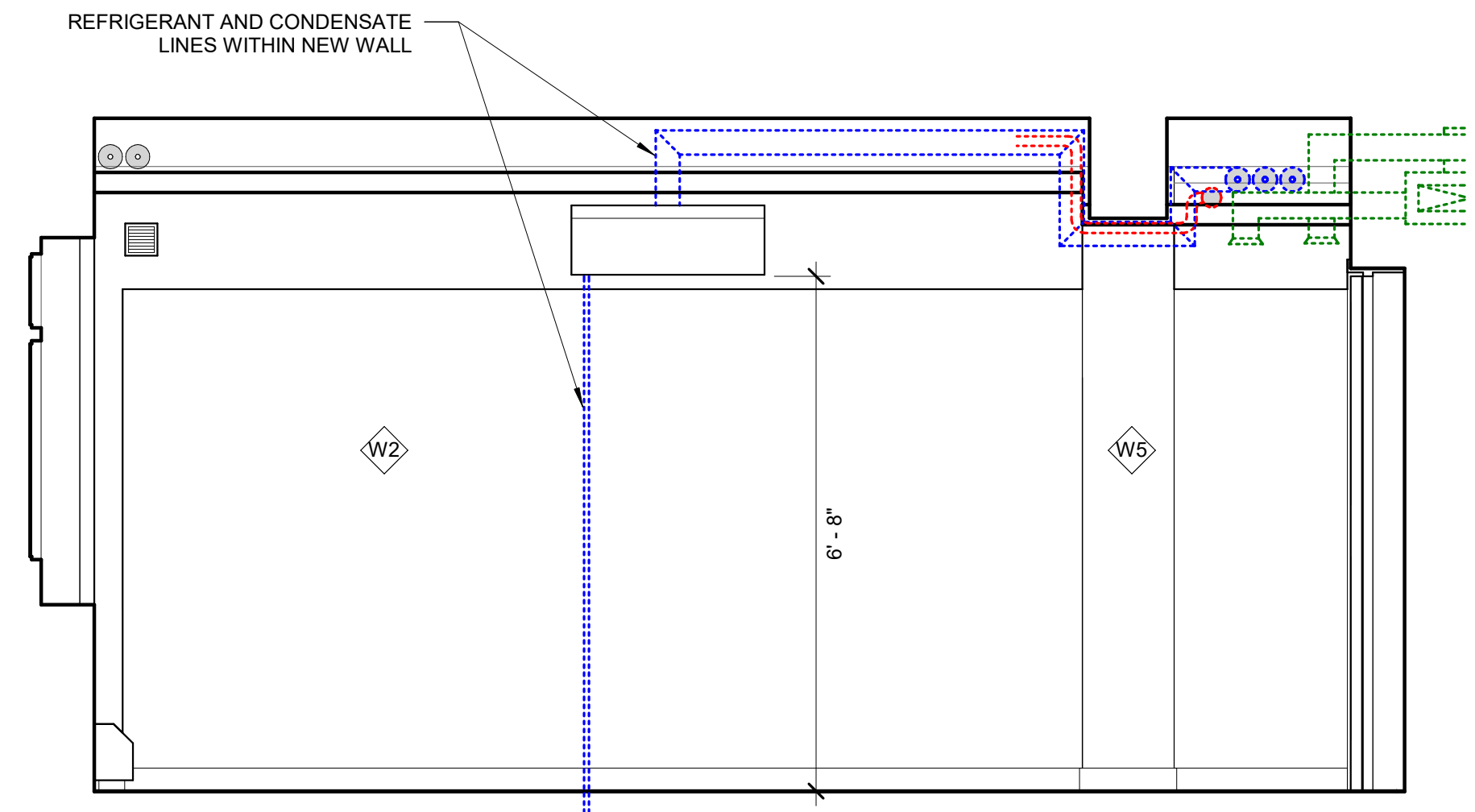
④ INT ELEV - DORM 418 EAST  
1/2" = 1'-0"



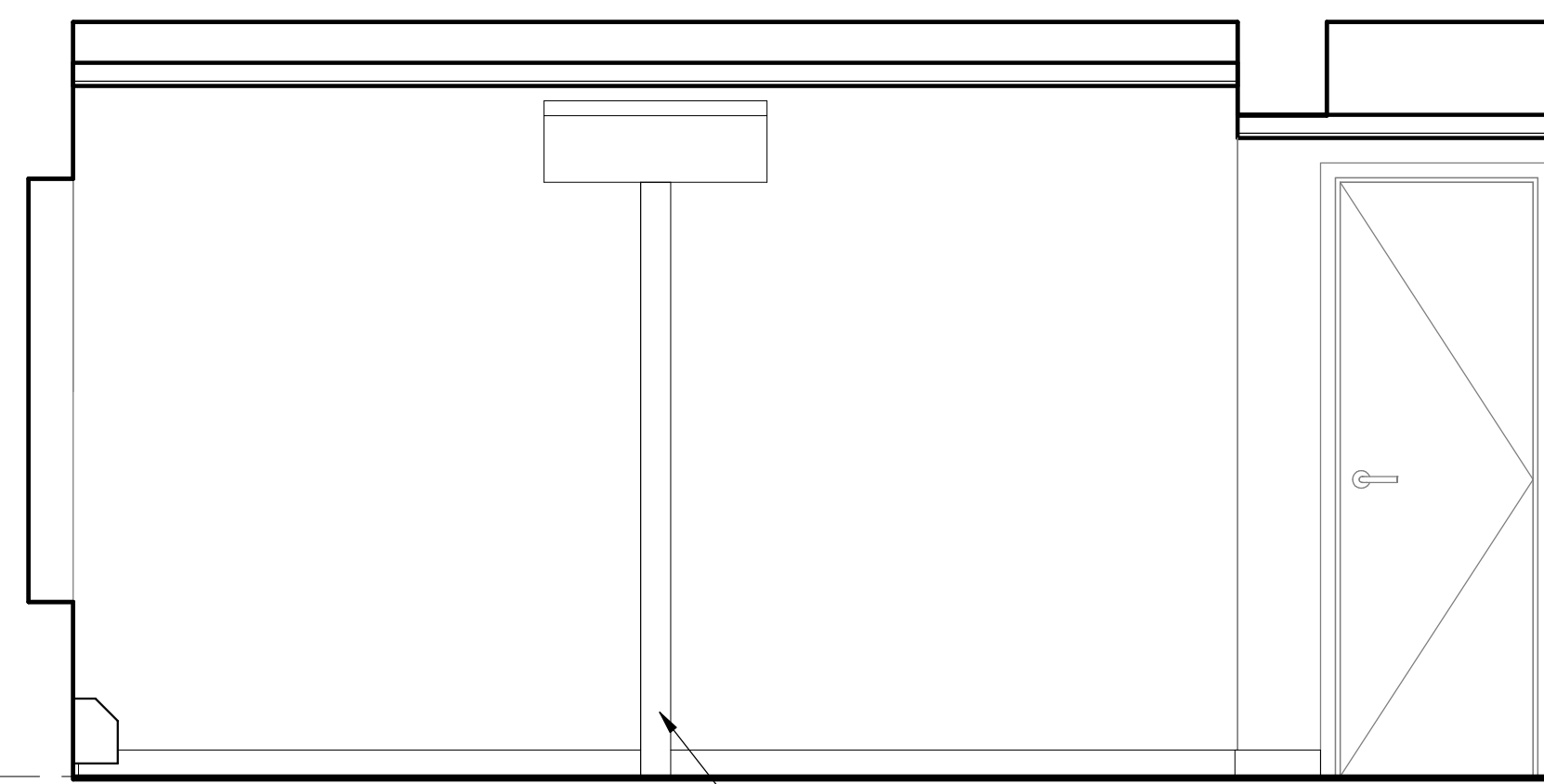
① INT ELEV - DORM 417 WEST  
1/2" = 1'-0"



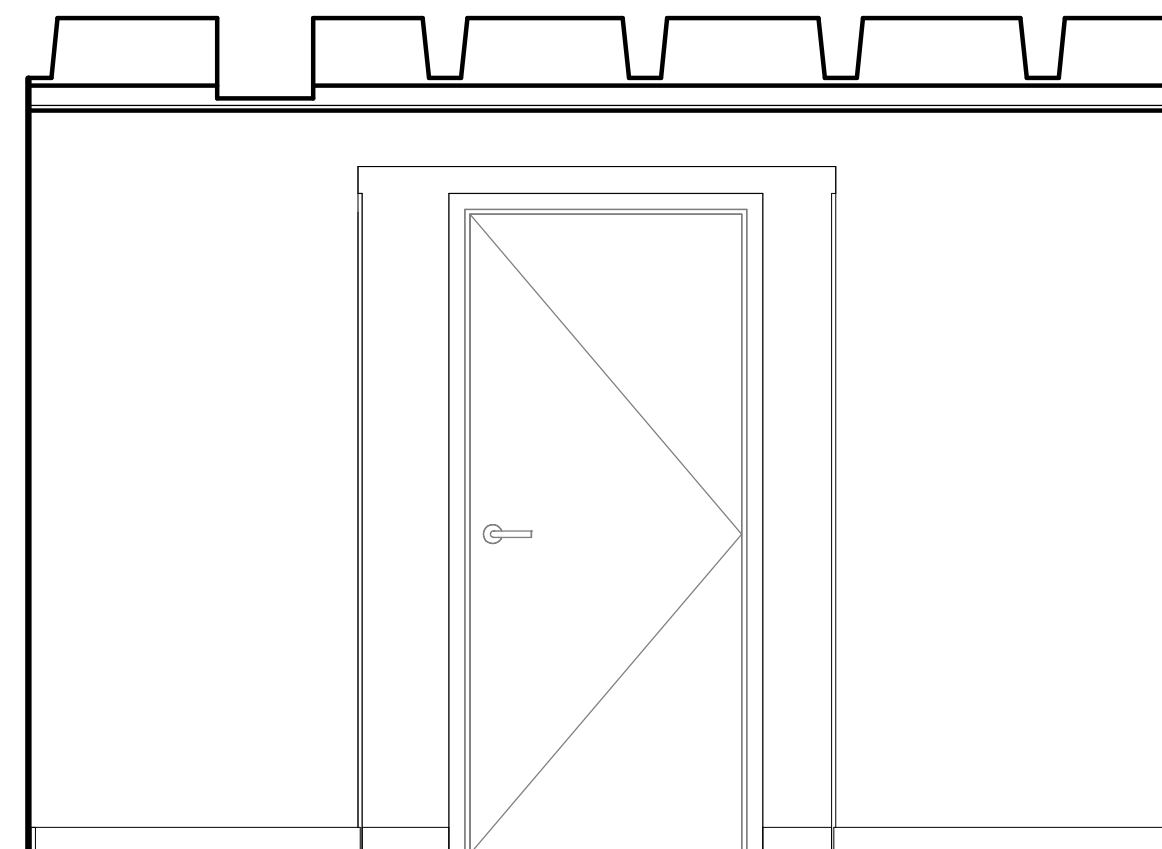
⑧ INT. ELEV - DORM 318 WEST  
1/2" = 1'-0"



② INT ELEV - DORM 317 WEST  
1/2" = 1'-0"

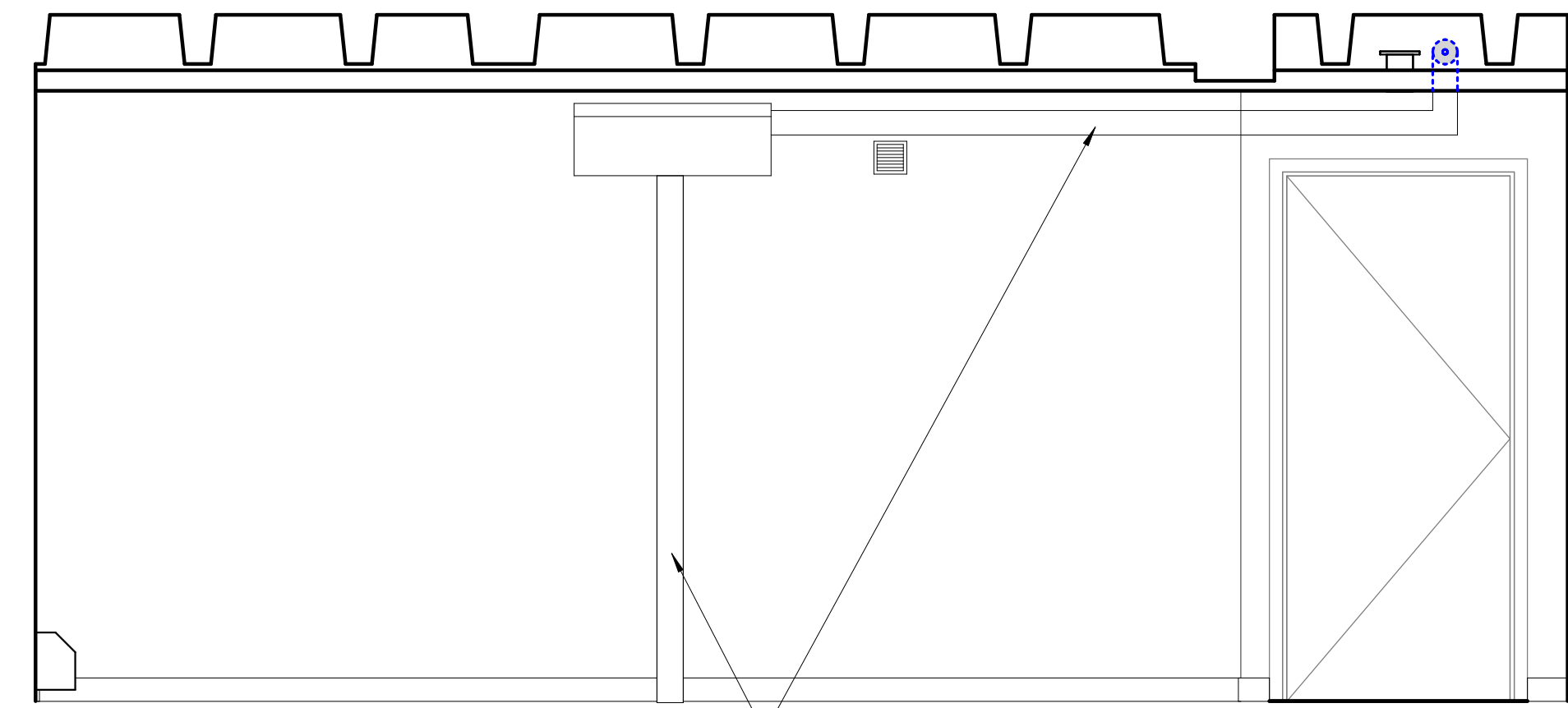


⑦ INT ELEV - DORM 215 EAST  
1/2" = 1'-0"



⑥ INT ELEV - DORM 215 NORTH  
1/2" = 1'-0"

SECOND FLOOR  
12' - 0"



⑤ INT ELEV - DORM 203 NORTH  
1/2" = 1'-0"

PROJECT NAME:

## MCJA - BUILDING C LIMITED RENOVATIONS

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT TO  
BE COPIED OR REPRODUCED IN PART OR  
WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

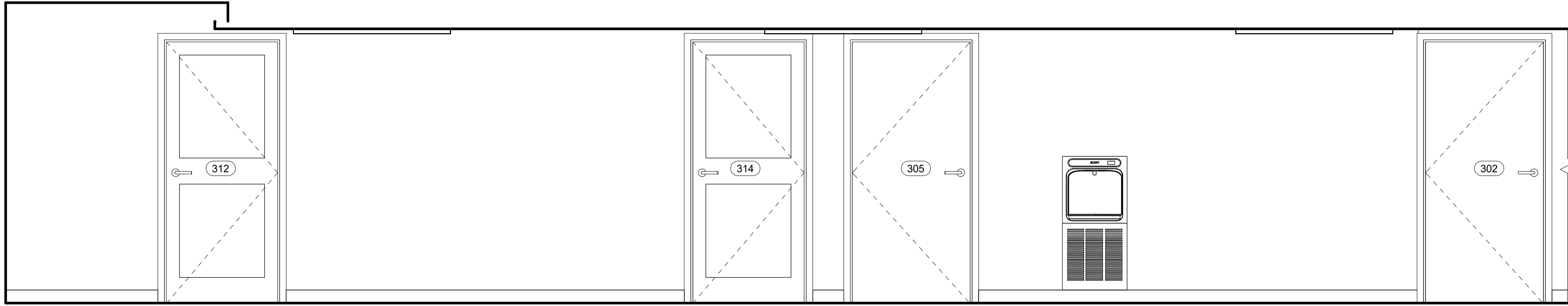
△ REVISIONS

DATE OF ISSUE: APR 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID

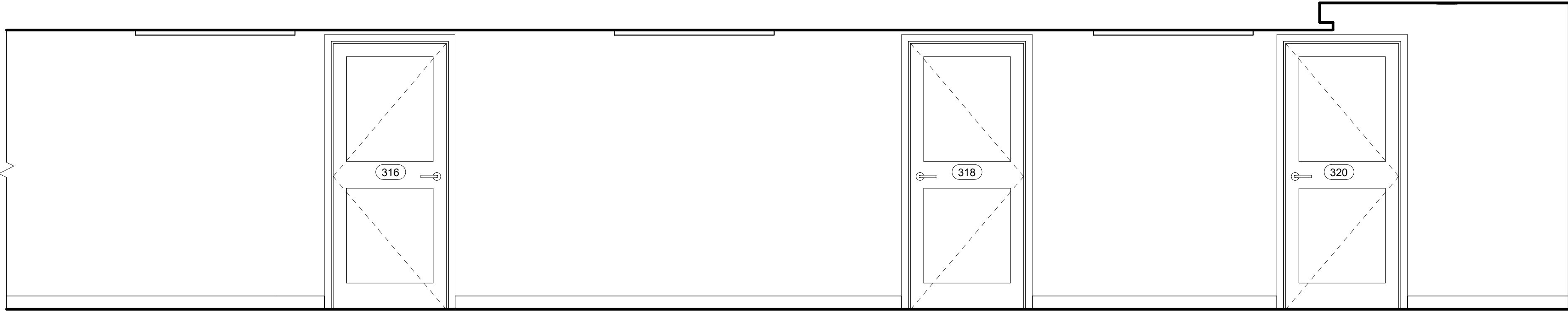
**INTERIOR  
ELEVATIONS -  
DORMS**

**A112**





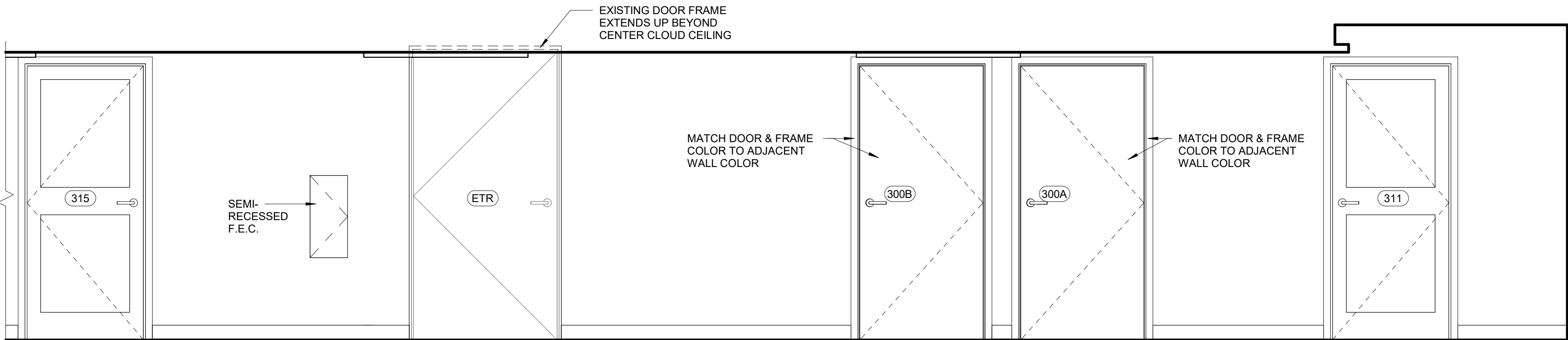
1 NORTH CORRIDOR - WEST TYP.  
1/2" = 1'-0"



3 NORTH CORRIDOR - EAST TYP.  
1/2" = 1'-0"



2 SOUTH CORRIDOR - EAST TYP.  
1/2" = 1'-0"



4 SOUTH CORRIDOR - WEST TYP.  
1/2" = 1'-0"



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656

GENERAL NOTES:  
- ELEVATIONS ON THE 4TH FLOOR ARE  
SIMILAR TO THE 3RD FLOOR ELEVATIONS  
SHOWN ON PAGE A113. REFER TO RCP'S  
FOR CEILING ELEVATIONS.

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT TO  
BE COPIED OR REPRODUCED IN PART OR  
WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: **APR 8, 2025**  
PROJECT NUMBER: **2023-0070**  
STATUS: **ISSUED FOR BID**

**INTERIOR  
ELEVATIONS -  
CORRIDORS**

**A113**





- FINISH NOTES:**
- A. **FLOOR 2 PAINTING** - EXG CROWN MOULDING AND TRIM, EXG WALLS, EXG CEILINGS, EXPOSED SPRINKLER PIPING
  - B. **FLOORS 3 AND 4 PAINTING** - NEW GWB WALLS, NEW GWB CEILINGS, NEW TRIM AS NOTED, EXPOSED SPRINKLER PIPING
  - C. **DEDUCT ALT 1 - FLOOR 2 PAINTING** - PAINT ALL EXISTING RADIATORS TO REMAIN
  - D. **DEDUCT ALT 1 - FLOORS 3 AND 4** - SAND AND REFINISH EXG WINDOW SILLS
  - E. **F** DESIGNATES FULL-HEIGHT TILE WALL.
  - F. **H** DESIGNATES PARTIAL-HEIGHT TILE WALL. WALL PAINT ABOVE TO MATCH ACCENT COLOR.
  - G. PROVIDE TILE 1 BASE AT WHITE RESTROOM WALLS. PROVIDE TILE 2 BASE AT ACCENT 2 RESTROOM WALLS.
  - H. WHERE NO ACCENT COLOR IS SHOWN, WALL PAINT AND TILE TO BE WHITE PER FINISH LEGEND.
  - I. ALL CEILINGS AND TRIM TO BE WHITE PER FINISH LEGEND.
  - J. PAINT ALL EXG TO REMAIN DOORS, FRAMES, AND TRIM WITHIN SECOND FLOOR SCOPE OF WORK.
  - K. WALLS TO BE TYP WALL PAINT COLOR, UNO.
  - L. ALL DOORS IN CORRIDOR TO BE WHITE WITH WHITE FRAMES. TYP, EXCEPT FOR TELECOM AND JANITOR DOORS WHICH SHALL MATCH THE GREY WALL PAINT. DORM DOORS TO BE WHITE ON CORRIDOR SIDE, AND BLUE ON DORM SIDE TO MATCH THE WALL PAINT. TRIM AND FRAME ON DORM SIDE TO BE MEDIUM GREY.

FINISH LEGEND	
NOTE	DESCRIPTION
<b>FLOOR</b>	
LVT 1	J+J FRAMEWORK V5001 - 1010PIER
CARPET 1	MILLIKEN STEREOVISION - LIGHT WAVE
TILE 1	DALTILE KEYSTONES 2" - SUEDE GRAY D182 MATTE
<b>BASE</b>	
RB 1	4.25" JOHNSONSITE MONUMENT - SNOWBOUND
RB 2	4.25" JOHNSONSITE MONUMENT - MEDIUM GREY
TILE 1	4x16 DALTILE COLOR WHEEL LINEAR - MATTE ARCTIC WHITE
TILE 2	4x16 DALTILE COLOR WHEEL LINEAR - NAVY GLOSSY
<b>WALL</b>	
PTD GWB	PAINTED GYPSUM WALL BOARD
TILE 1	4x16 DALTILE COLOR WHEEL LINEAR - MATTE ARCTIC WHITE
TILE 2	4x16 DALTILE COLOR WHEEL LINEAR - NAVY GLOSSY
<b>CEILING</b>	
PTD GWB	PAINTED GYPSUM WALL BOARD
ACT 1	2X2 ARMSTRONG ULTIMA TEGULAR
<b>PAINT</b>	
CLG/TRIM	SW 7006 EXTRA WHITE
TYP WALL	SW 7646 FIRST STAR
ACCENT 1	SW 7663 MONORAIL SILVER
ACCENT 2	SW 6244 NAVAL
<b>SPECIALTIES</b>	
COUNTER	CORIAN SOLID SURFACE - COLOR TBD
TLT PTNS	SCRANTON - GREY ORANGE PEEL
SOAP/PT	SPARTAN / SAN JAMAR - WHITE

- LVT 1
- CARPET 1
- TILE 1
- ACCENT 1 - GREY PAINT
- ACCENT 2 - DARK BLUE TILE AND/OR PAINT, SEE ELEVS

FINISH SCHEDULE SECOND FLOOR									
ROOM		FLOOR		WALLS				CEILING	NOTES
NO	NAME	BASE	FLOOR	NORTH	SOUTH	EAST	WEST		
2A	STAIR	N/A	N/A	PTD EXG	PTD EXG	PTD EXG	PTD EXG	N/A	
200	CORRIDOR	RB 1	LVT 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	ACT 1	
201	VESTIBULE	RB 1	LVT 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	ACT 1	
202	HALL	RB 1	LVT 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	ACT 1	
203	DORM	RB 2	CARPET 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	
204	DORM	RB 2	CARPET 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	
205	DORM	RB 2	CARPET 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	
207	DORM	RB 2	CARPET 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	
208	DORM	RB 2	CARPET 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	
210	HALL	RB 1	LVT 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	ACT 1	
211	DORM	RB 2	CARPET 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	
212	DORM	RB 2	CARPET 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	
213	HALL	RB 1	LVT 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	ACT 1	
215	DORM	RB 2	CARPET 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	
217	CLOSET	RB 1	LVT 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	
218	CLOSET	RB 1	LVT 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	
219	DORM	RB 2	CARPET 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	
220	DORM	RB 2	CARPET 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	
221	DORM	RB 2	CARPET 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	

1 SECOND FINISH FLOOR PLAN  
1/4" = 1'-0"



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT TO  
BE COPIED OR REPRODUCED IN PART OR  
WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APR 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID

**SECOND FLOOR  
FINISH PLAN**

**A122**



FINISH NOTES:

- A. FLOOR 2 PAINTING - EXG CROWN MOULDING AND TRIM, EXG WALLS, EXG CEILINGS, EXPOSED SPRINKLER PIPING
- B. FLOORS 3 AND 4 PAINTING - NEW GWB WALLS, NEW GWB CEILINGS, NEW TRIM AS NOTED, EXPOSED SPRINKLER PIPING
- C. DEDUCT ALT 1 - FLOOR 2 PAINTING - PAINT ALL EXISTING RADIATORS TO REMAIN
- D. DEDUCT ALT 1 - FLOORS 3 AND 4 - SAND AND REFINISH EXG WINDOW SILLS
- E. F DESIGNATES FULL-HEIGHT TILE WALL.
- F. H DESIGNATES PARTIAL-HEIGHT TILE WALL. WALL PAINT ABOVE TO MATCH ACCENT COLOR.
- G. PROVIDE TILE 1 BASE AT WHITE RESTROOM WALLS. PROVIDE TILE 2 BASE AT ACCENT 2 RESTROOM WALLS.
- H. WHERE NO ACCENT COLOR IS SHOWN, WALL PAINT AND TILE TO BE WHITE PER FINISH LEGEND.
- I. ALL CEILINGS AND TRIM TO BE WHITE PER FINISH LEGEND.
- J. PAINT ALL EXG TO REMAIN DOORS, FRAMES, AND TRIM WITHIN SECOND FLOOR SCOPE OF WORK.
- K. WALLS TO BE TYP WALL PAINT COLOR, UNO.
- L. ALL DOORS IN CORRIDOR TO BE WHITE WITH WHITE FRAMES. TYP. EXCEPT FOR TELECOM AND JANITOR DOORS WHICH SHALL MATCH THE GREY WALL PAINT. DORM DOORS TO BE WHITE ON CORRIDOR SIDE, AND BLUE ON DORM SIDE TO MATCH THE WALL PAINT. TRIM AND FRAME ON DORM SIDE TO BE MEDIUM GREY.

simons architects  
designed for human potential

75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656

PROJECT NAME:

MCJA - BUILDING  
C LIMITED  
RENOVATIONS

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

NOT FOR  
CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT TO  
BE COPIED OR REPRODUCED IN PART OR  
WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

REVISIONS

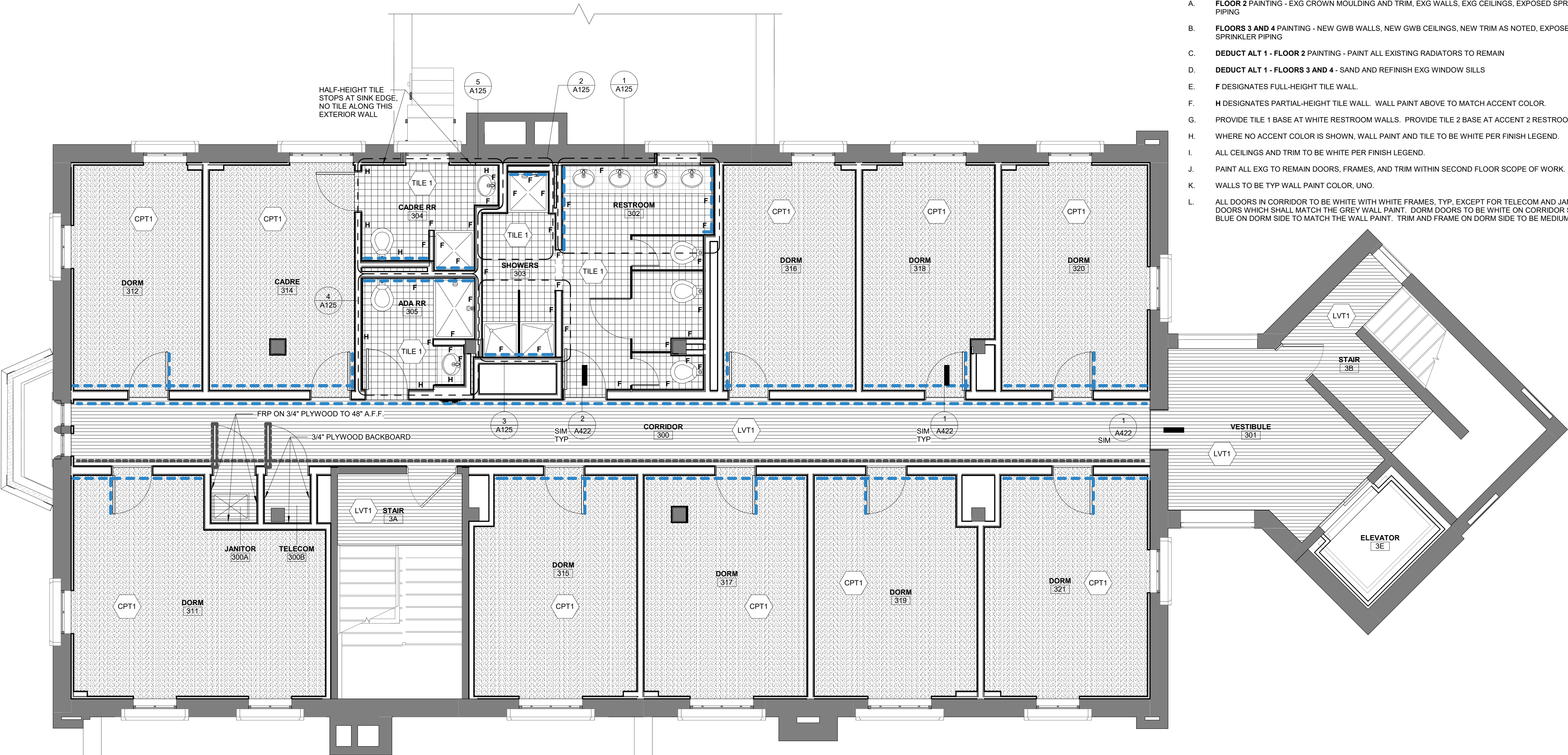
DATE OF ISSUE: APR 8, 2025

PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID

THIRD FLOOR  
FINISH PLAN

A123



FINISH LEGEND	
NOTE	DESCRIPTION
FLOOR	
LVT 1	J+J FRAMEWORK V5001 - 1010PIER
CARPET 1	MILLIKEN STEREOVISION - LIGHT WAVE
TILE 1	DALTILE KEYSTONES 2" - SUEDE GRAY D182 MATTE
BASE	
RB 1	4.25" JOHNSONSITE MONUMENT - SNOWBOUND
RB 2	4.25" JOHNSONSITE MONUMENT - MEDIUM GREY
TILE 1	4x16 DALTILE COLOR WHEEL LINEAR - MATTE ARCTIC WHITE
TILE 2	4x16 DALTILE COLOR WHEEL LINEAR - NAVY GLOSSY
WALL	
PTD GWB	PAINTED GYPSUM WALL BOARD
TILE 1	4x16 DALTILE COLOR WHEEL LINEAR - MATTE ARCTIC WHITE
TILE 2	4x16 DALTILE COLOR WHEEL LINEAR - NAVY GLOSSY
CEILING	
PTD GWB	PAINTED GYPSUM WALL BOARD
ACT 1	2X2 ARMSTRONG ULTIMA TEGULAR
PAINT	
CLG/TRIM	SW 7006 EXTRA WHITE
TYP WALL	SW 7646 FIRST STAR
ACCENT 1	SW 7663 MONORAIL SILVER
ACCENT 2	SW 6244 NAVAL
SPECIALTIES	
COUNTER	CORIAN SOLID SURFACE - COLOR TBD
TLT PTNS	SCRANTON - GREY ORANGE PEEL
SOAP/PT	SPARTAN / SAN JAMAR - WHITE

LVT 1	----- ACCENT 1 - GREY PAINT
CARPET 1	----- ACCENT 2 - DARK BLUE TILE AND/OR PAINT, SEE ELEVS
TILE 1	

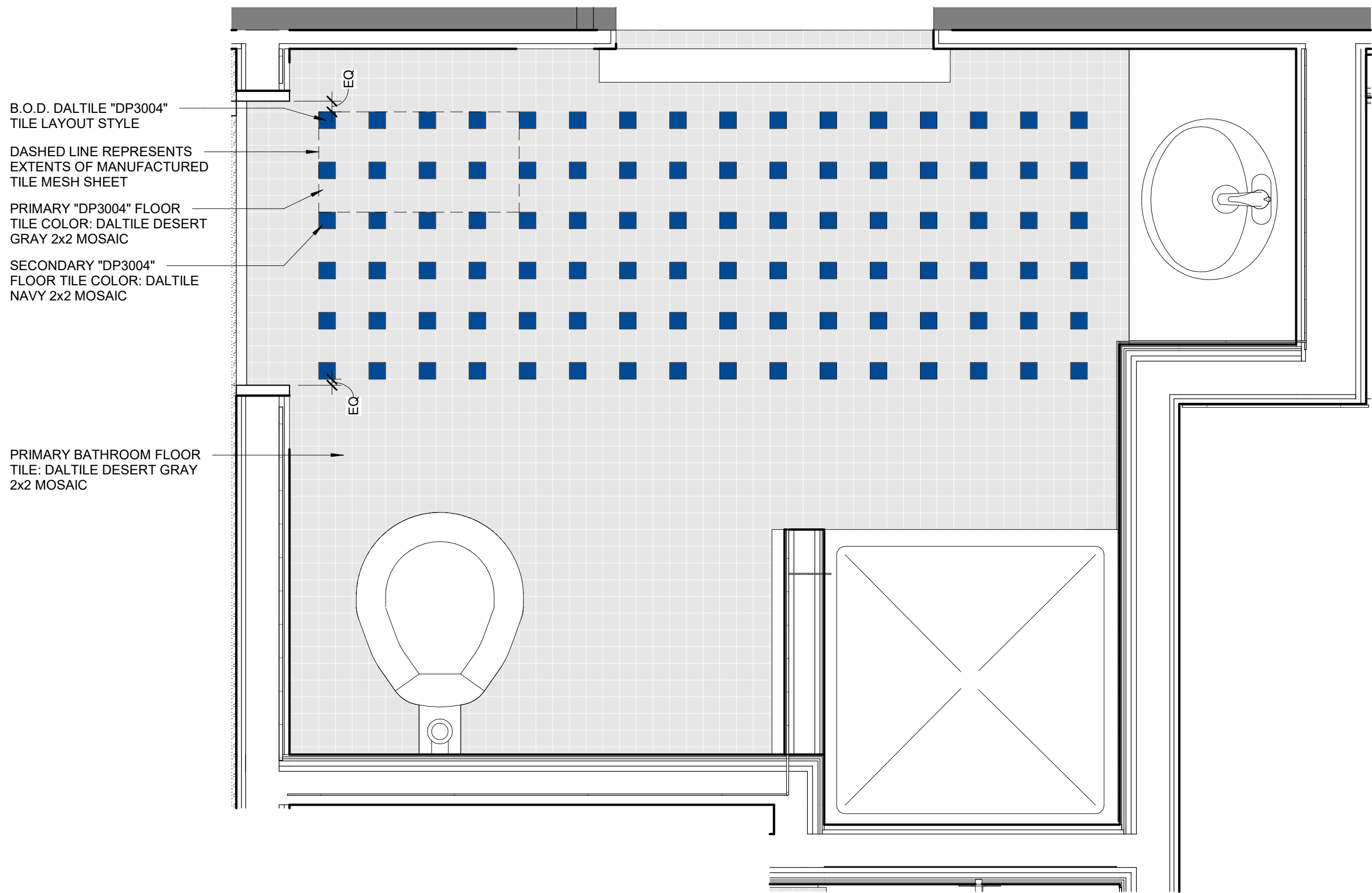
FINISH SCHEDULE THIRD FLOOR									
ROOM		FLOOR		WALLS				CEILING	NOTES
NO	NAME	BASE	FLOOR	NORTH	SOUTH	EAST	WEST		
3A	STAIR	NIC	LVT 1	PTD EXG	PTD EXG	PTD EXG	PTD EXG	PTD EXG	FLOOR FINISH TO FIRST TREAD
3B	STAIR	NIC	LVT 1	NIC	NIC	NIC	NIC	NIC	FLOOR FINISH TO FIRST TREAD
300	CORRIDOR	RB 1	LVT 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	ACT 1 / PTD GWB	
300A	JANITOR	RB 1	LVT 1	FRP 48", PTD GWB	FRP 48", PTD GWB	FRP 48", PTD GWB	FRP 48", PTD GWB	PTD GWB	
300B	TELECOM	RB 1	LVT 1	PLYWD, PTD GWB	PLYWD, PTD GWB	PLYWD, PTD GWB	PLYWD, PTD GWB	PTD GWB	
301	VESTIBULE	RB 1	LVT 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	ACT 1
302	RESTROOM	TILE 1/2	TILE 1/2	TILE 1/2, SEE ELEV	TILE 1/2, SEE ELEV	TILE 1/2, SEE ELEV	TILE 1/2, SEE ELEV	PTD GWB	
303	SHOWERS	TILE 1/2	TILE 1/2	TILE 1/2, SEE ELEV	TILE 1/2, SEE ELEV	TILE 1/2, SEE ELEV	TILE 1/2, SEE ELEV	PTD GWB	
304	CADRE RR	TILE 1/2	TILE 1/2	TILE 1/2, SEE ELEV	TILE 1/2, SEE ELEV	TILE 1/2, SEE ELEV	TILE 1/2, SEE ELEV	PTD GWB	
305	ADA RR	TILE 1/2	TILE 1/2	TILE 1/2, SEE ELEV	TILE 1/2, SEE ELEV	TILE 1/2, SEE ELEV	TILE 1/2, SEE ELEV	PTD GWB	
311	DORM	RB 2	CARPET 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	
312	DORM	RB 2	CARPET 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	
314	CADRE	RB 2	CARPET 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	
315	DORM	RB 2	CARPET 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	
316	DORM	RB 2	CARPET 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	
317	DORM	RB 2	CARPET 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	
318	DORM	RB 2	CARPET 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	
319	DORM	RB 2	CARPET 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	
320	DORM	RB 2	CARPET 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	
321	DORM	RB 2	CARPET 1	PTD GWB	PTD GWB	PTD GWB	PTD GWB	PTD GWB	

1 THIRD FLOOR FINISH PLAN  
1/4" = 1'-0"

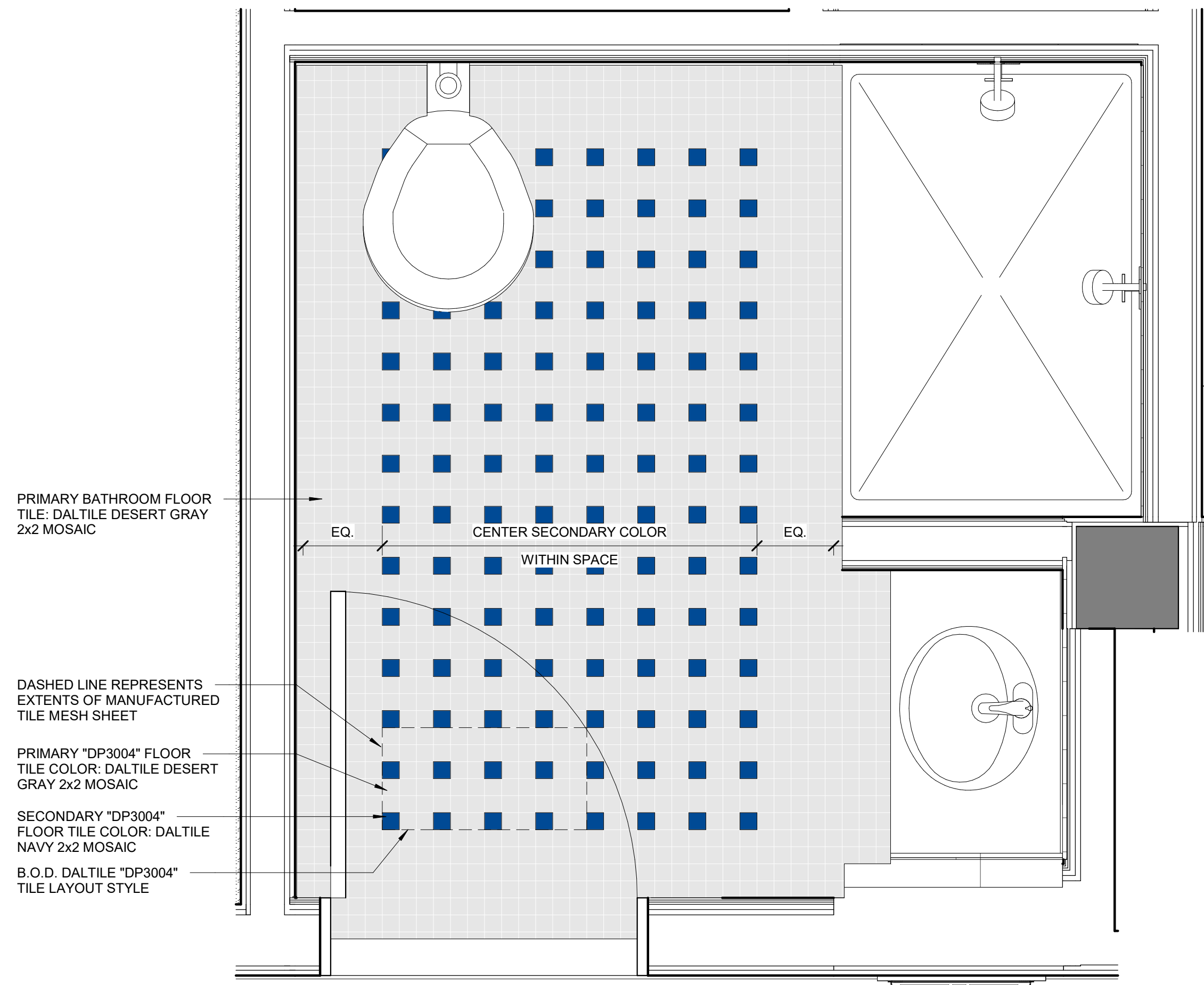




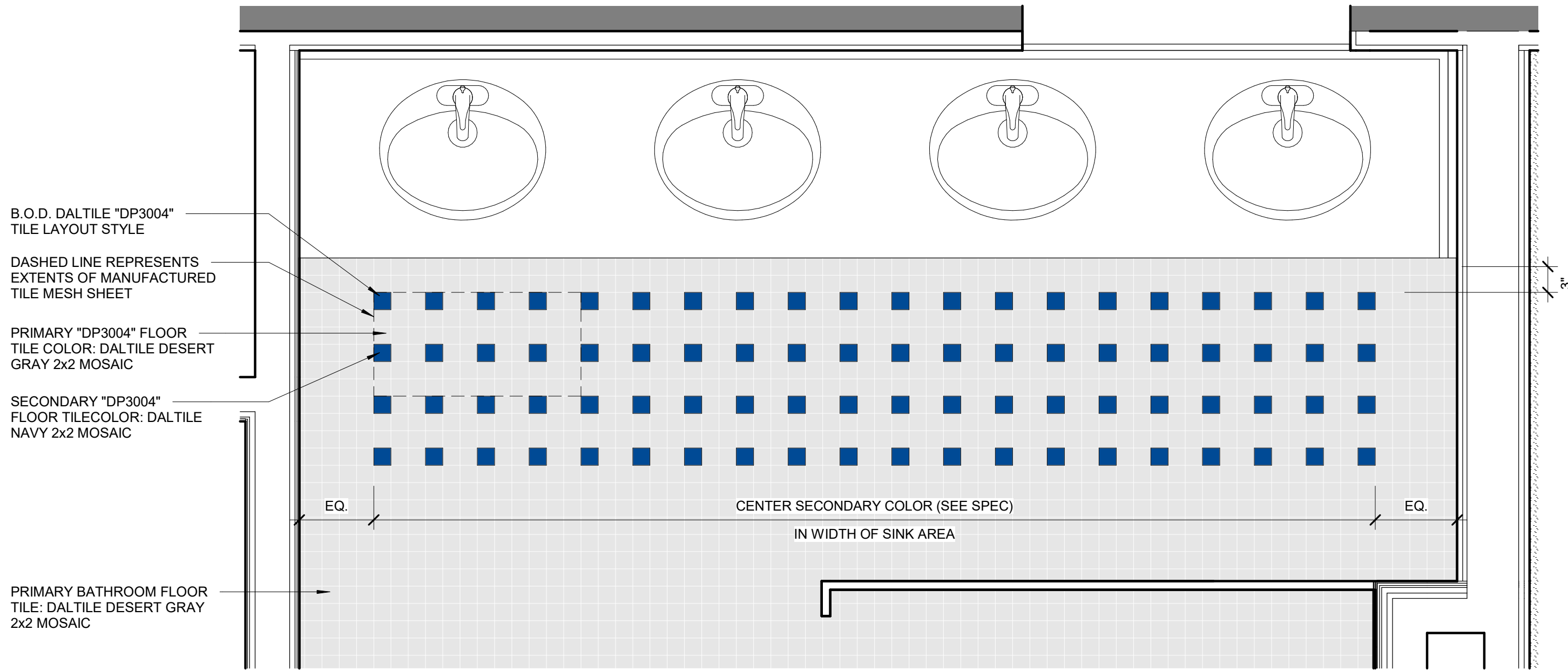




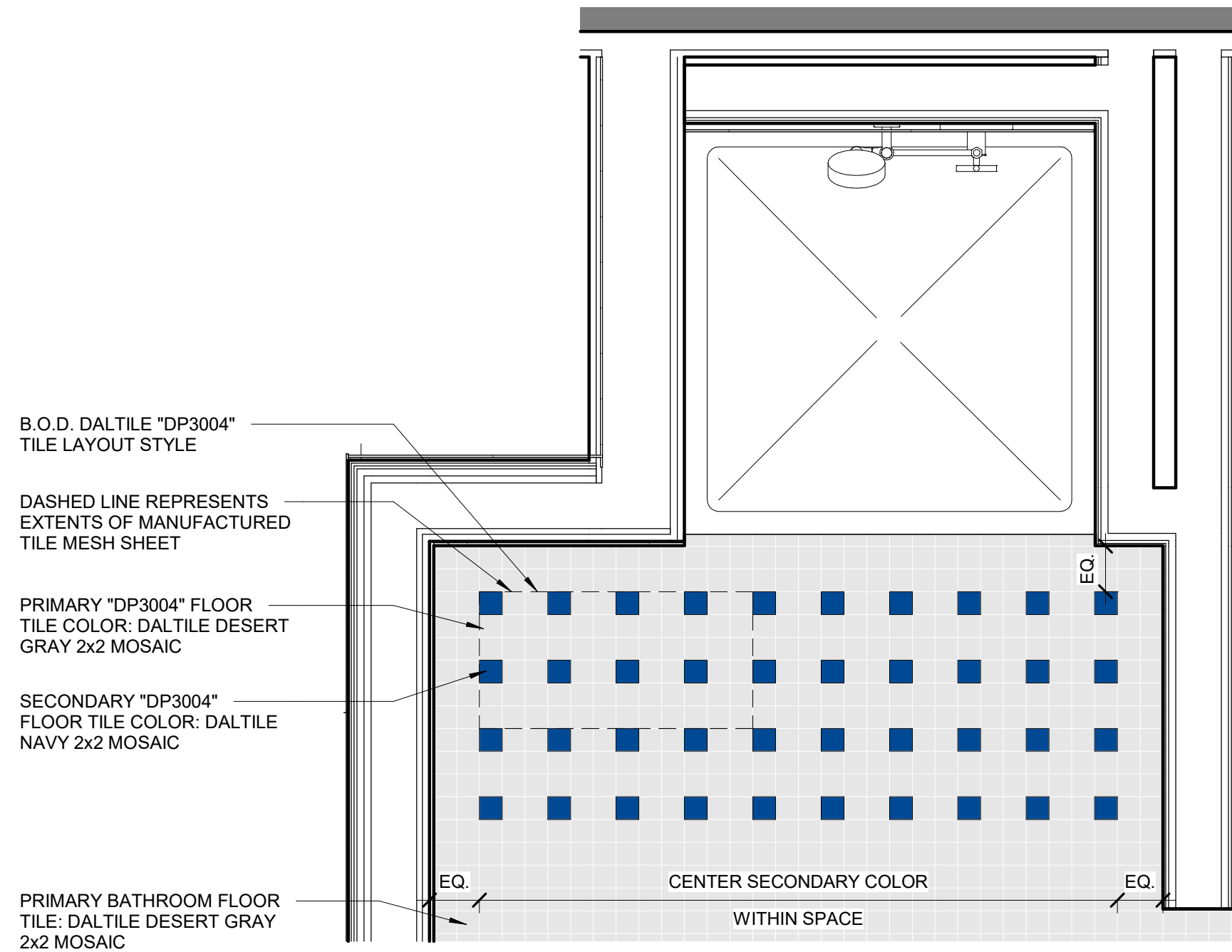
5 TYP. 3RD & 4TH CADRE RESTROOM TILE LAYOUT  
1" = 1'-0"



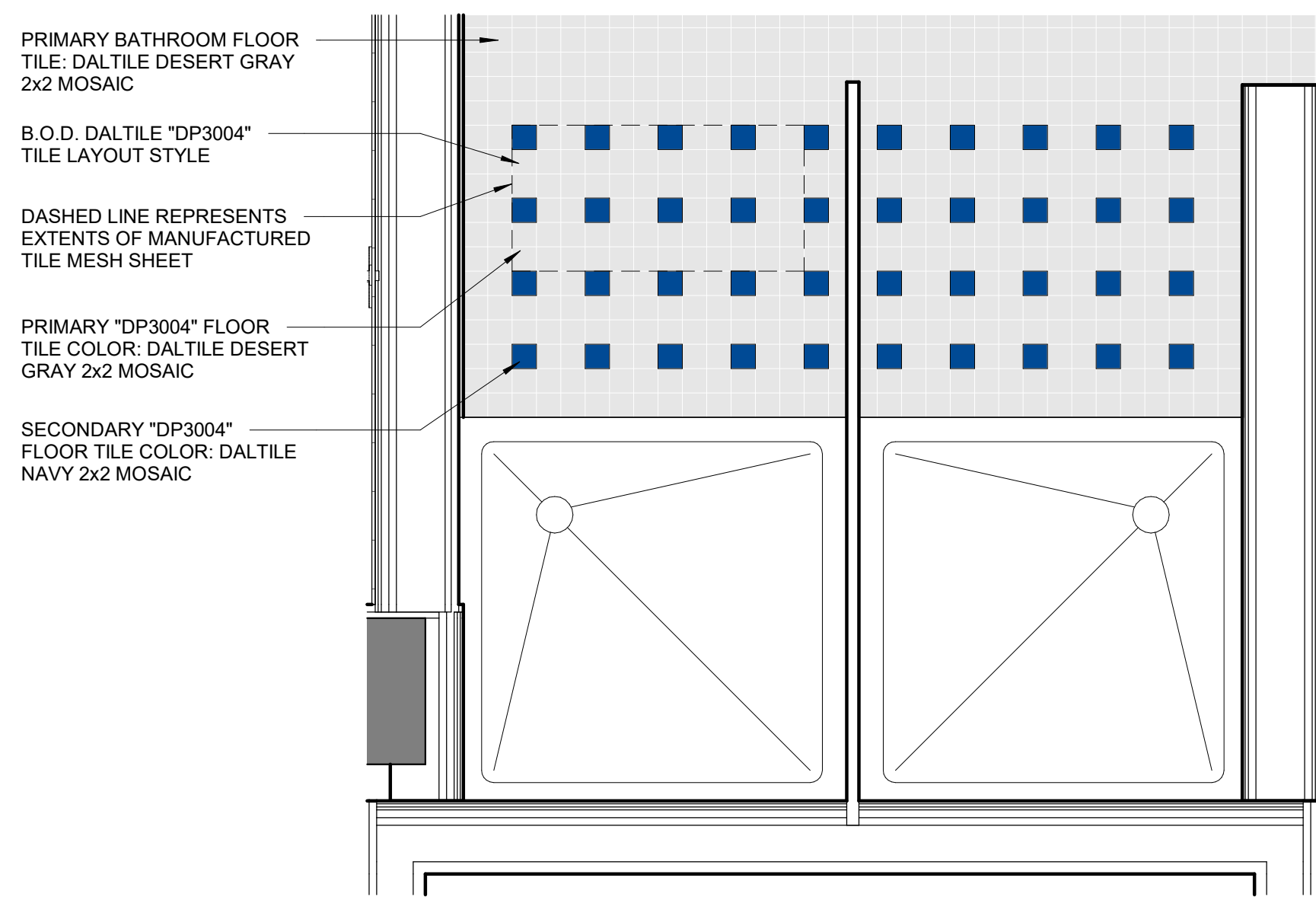
4 TYP. 3RD & 4TH ADA RESTROOM TILE LAYOUT  
1" = 1'-0"



1 TYP. 3RD & 4TH GANG RESTROOM TILE LAYOUT AT GANG SINK  
1" = 1'-0"



2 TYP. 3RD & 4TH GANG RESTROOM TILE LAYOUT AT ADA SHOWER  
1" = 1'-0"



3 TYP. 3RD & 4TH GANG RESTROOM TILE LAYOUT AT SHOWERS  
1" = 1'-0"



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT TO  
BE COPIED OR REPRODUCED IN PART OR  
WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: **APR 8, 2025**  
PROJECT NUMBER: **2023-0070**  
STATUS: **ISSUED FOR BID**

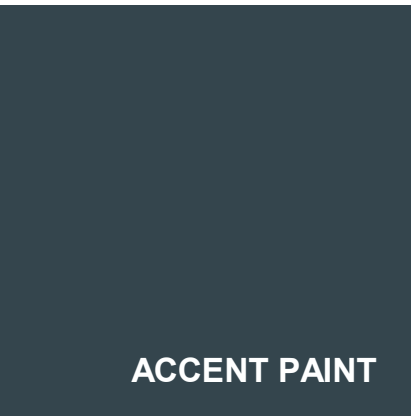
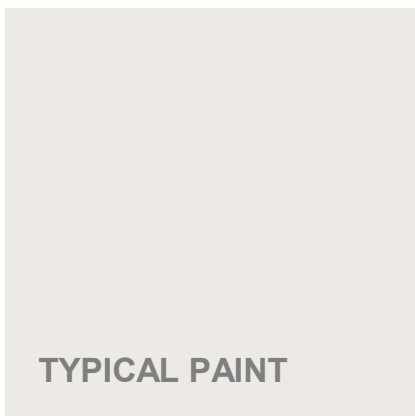
**RESTROOM TILE  
LAYOUT DETAILS**

**A125**

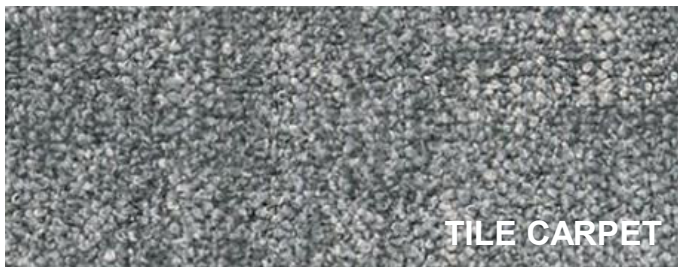




LIGHT FIXTURE



WARDROBE

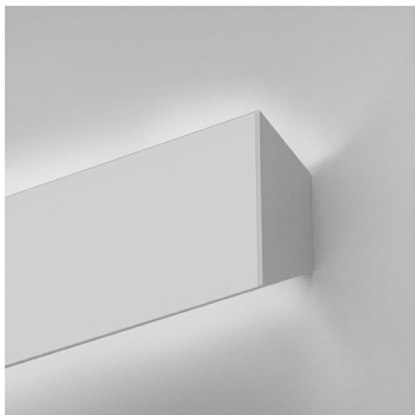


WALL BASE

DORMITORIES



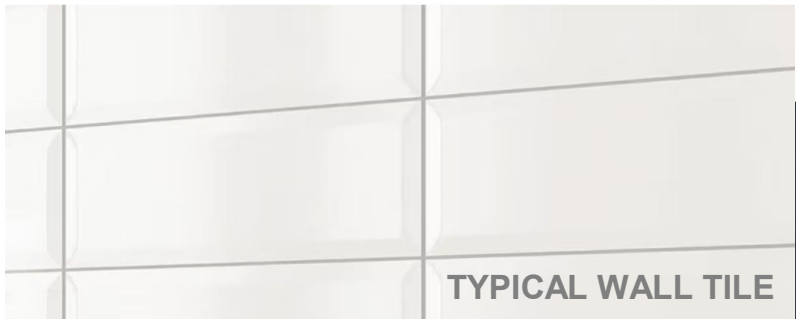
SOAP & PAPER TOWELS (OFCI)



LIGHT FIXTURE



SHOWER FIXTURE



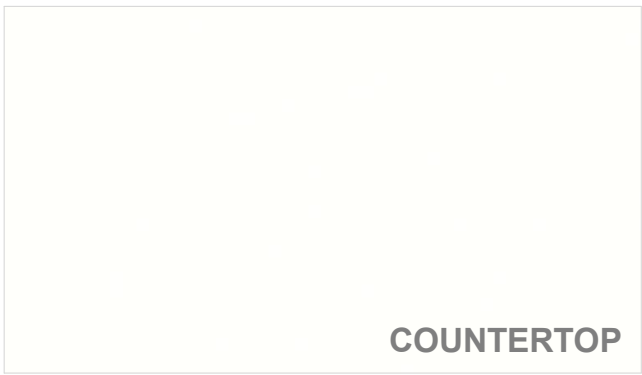
ACCENT WALL TILE



FAUCET - BRUSHED NICKEL



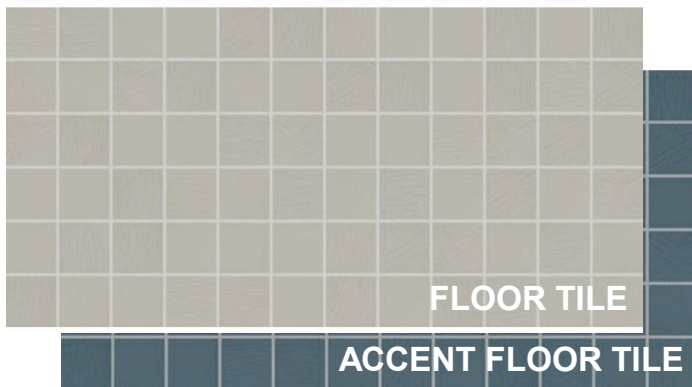
LAVATORY



COUNTERTOP



TOILET PARTITIONS

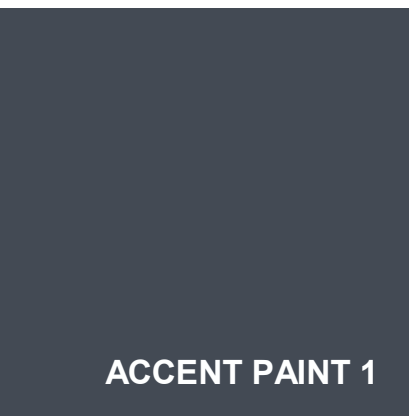
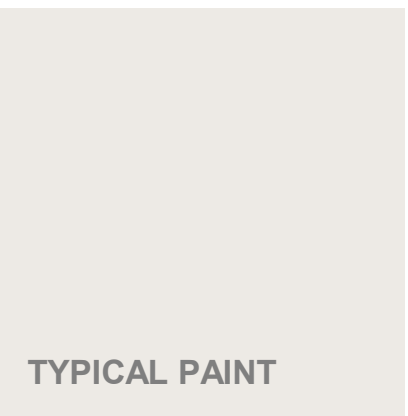


ACCENT FLOOR TILE

BATHROOMS



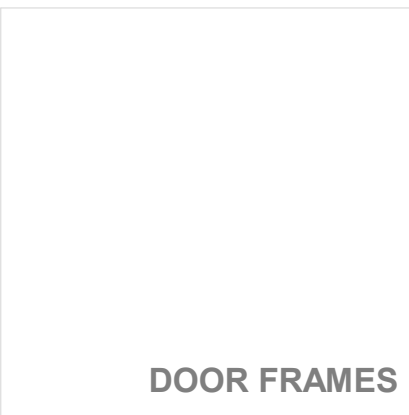
LIGHT FIXTURE



HARDWARE



DORM DOORS



DOOR FRAMES



LVT FLOORING



SIGNAGE



CORRIDORS

PROJECT NAME:  
MCJA - BUILDING  
C LIMITED  
RENOVATIONS  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
NOT FOR  
CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT TO  
BE COPIED OR REPRODUCED IN PART OR  
WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

△	REVISIONS

DATE OF ISSUE:	APR 8, 2025
PROJECT NUMBER:	2023-0070
STATUS:	ISSUED FOR BID

FINISHES BOARD

**NOTE:** THIS SHEET PROVIDED FOR  
REFERENCE; REFER TO FINISH PLANS.



PROJECT NAME:

**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT TO  
BE COPIED OR REPRODUCED IN PART OR  
WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APR 8, 2025

PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID

**SECOND FLOOR  
RCP**

**A132**

**CEILING LEGEND**

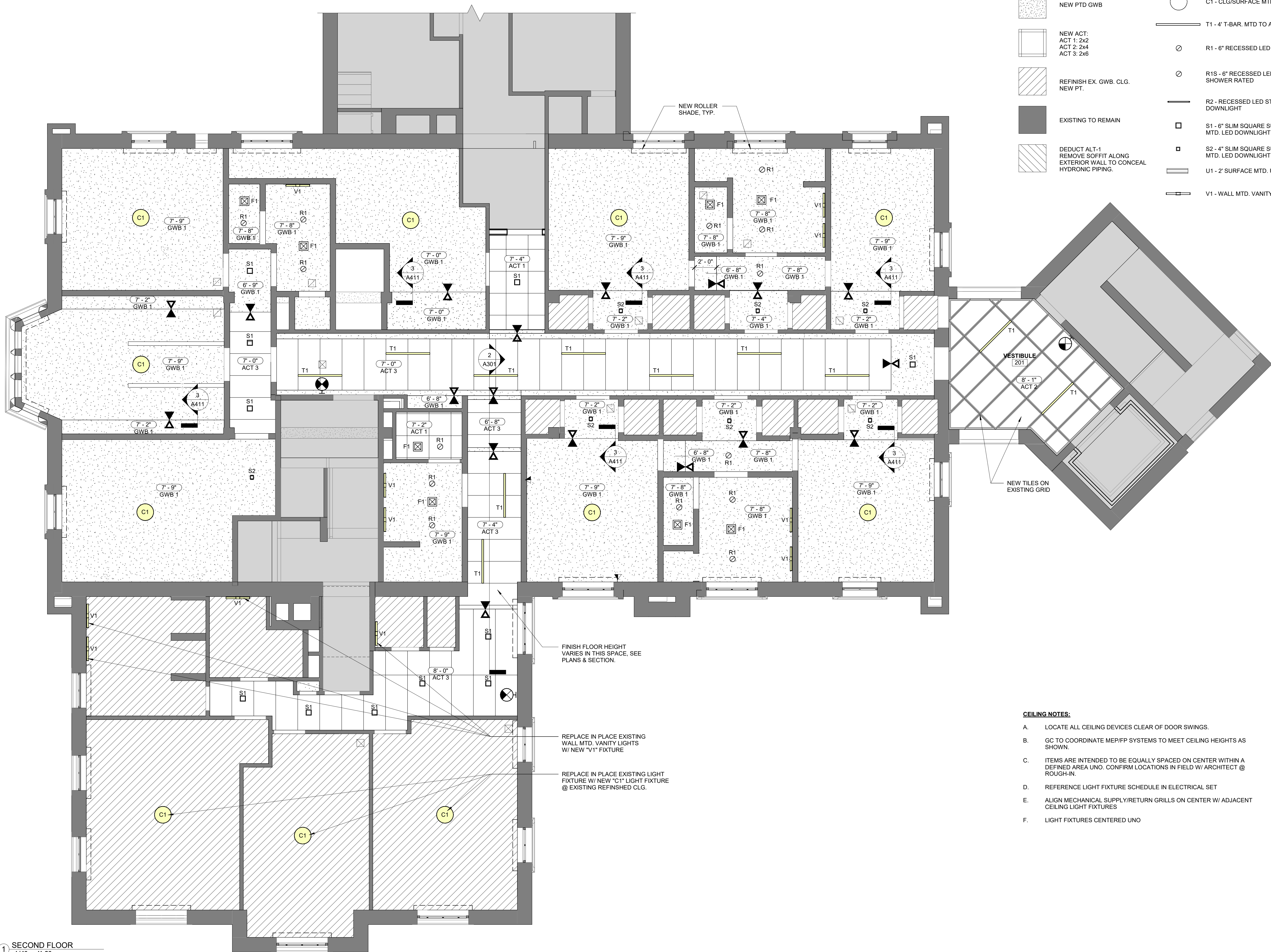
- NEW PTD GWB
- NEW ACT:  
ACT 1: 2x2  
ACT 2: 2x4  
ACT 3: 2x6
- REFINISH EX. GWB. CLG.  
NEW PT.
- EXISTING TO REMAIN
- DEDUCT ALT-1  
REMOVE SOFFIT ALONG  
EXTERIOR WALL TO CONCEAL  
HYDRONIC PIPING.

**LIGHTING LEGEND**

- C1 - CLG/SURFACE MTD. DOWNLIGHT
- T1 - 4' T-BAR. MTD TO ACT GRID
- R1 - 6" RECESSED LED DOWNLIGHT
- R1S - 6" RECESSED LED DOWNLIGHT,  
SHOWER RATED
- R2 - RECESSED LED STRIP  
DOWNLIGHT
- S1 - 6" SLIM SQUARE SURFACE  
MTD. LED DOWNLIGHT
- S2 - 4" SLIM SQUARE SURFACE  
MTD. LED DOWNLIGHT
- U1 - 2' SURFACE MTD. UTILITY LIGHT
- V1 - WALL MTD. VANITY LIGHT

**CEILING NOTES:**

- A. LOCATE ALL CEILING DEVICES CLEAR OF DOOR SWINGS.
- B. GC TO COORDINATE MEP/FP SYSTEMS TO MEET CEILING HEIGHTS AS SHOWN.
- C. ITEMS ARE INTENDED TO BE EQUALLY SPACED ON CENTER WITHIN A DEFINED AREA UNO. CONFIRM LOCATIONS IN FIELD W/ ARCHITECT @ ROUGH-IN.
- D. REFERENCE LIGHT FIXTURE SCHEDULE IN ELECTRICAL SET
- E. ALIGN MECHANICAL SUPPLY/RETURN GRILLS ON CENTER W/ ADJACENT CEILING LIGHT FIXTURES
- F. LIGHT FIXTURES CENTERED UNO



① SECOND FLOOR  
1/4" = 1'-0"



PROJECT NAME:

**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT TO  
BE COPIED OR REPRODUCED IN PART OR  
WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APR 8, 2025

PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID

**THIRD FLOOR  
RCP**

**A133**

**CEILING LEGEND**

- NEW PTD GWB
- NEW ACT:  
ACT 1: 2x2  
ACT 2: 2x4  
ACT 3: 2x6
- REFINISH EX. GWB. CLG.  
NEW PT.
- EXISTING TO REMAIN
- DEDUCT ALT-1  
REMOVE SOFFIT ALONG  
EXTERIOR WALL TO CONCEAL  
HYDRONIC PIPING.

**LIGHTING LEGEND**

- C1 - CLG/SURFACE MTD. DOWNLIGHT
- T1 - 4" T-BAR. MTD TO ACT GRID
- R1 - 6" RECESSED LED DOWNLIGHT
- R1S - 6" RECESSED LED DOWNLIGHT,  
SHOWER RATED
- R2 - RECESSED LED STRIP  
DOWNLIGHT
- S1 - 6" SLIM SQUARE SURFACE  
MTD. LED DOWNLIGHT
- S2 - 4" SLIM SQUARE SURFACE  
MTD. LED DOWNLIGHT
- U1 - 2" SURFACE MTD. UTILITY LIGHT
- V1 - WALL MTD. VANITY LIGHT

DEDUCT ALT-1:  
SET SOFFIT CLG HEIGHT AT  
SAME HEIGHT AS SOFFIT AT  
DORM ENTRY, TYP.

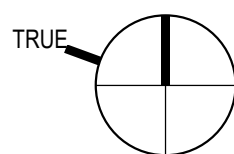
EXG PLASTER  
SOFFIT

NEW TILES ON  
EXISTING GRID

24" x 24" ACCESS  
PANEL ONE ON  
EACH SIDE OF  
CORRIDOR

**CEILING NOTES:**

- A. LOCATE ALL CEILING DEVICES CLEAR OF DOOR SWINGS.
- B. GC TO COORDINATE MEP/FP SYSTEMS TO MEET CEILING HEIGHTS AS SHOWN.
- C. ITEMS ARE INTENDED TO BE EQUALLY SPACED ON CENTER WITHIN A DEFINED AREA UNO. CONFIRM LOCATIONS IN FIELD W/ ARCHITECT @ ROUGH-IN.
- D. REFERENCE LIGHT FIXTURE SCHEDULE IN ELECTRICAL SET
- E. ALIGN MECHANICAL SUPPLY/RETURN GRILLS ON CENTER W/ ADJACENT CEILING LIGHT FIXTURES
- F. LIGHT FIXTURES CENTERED UNO



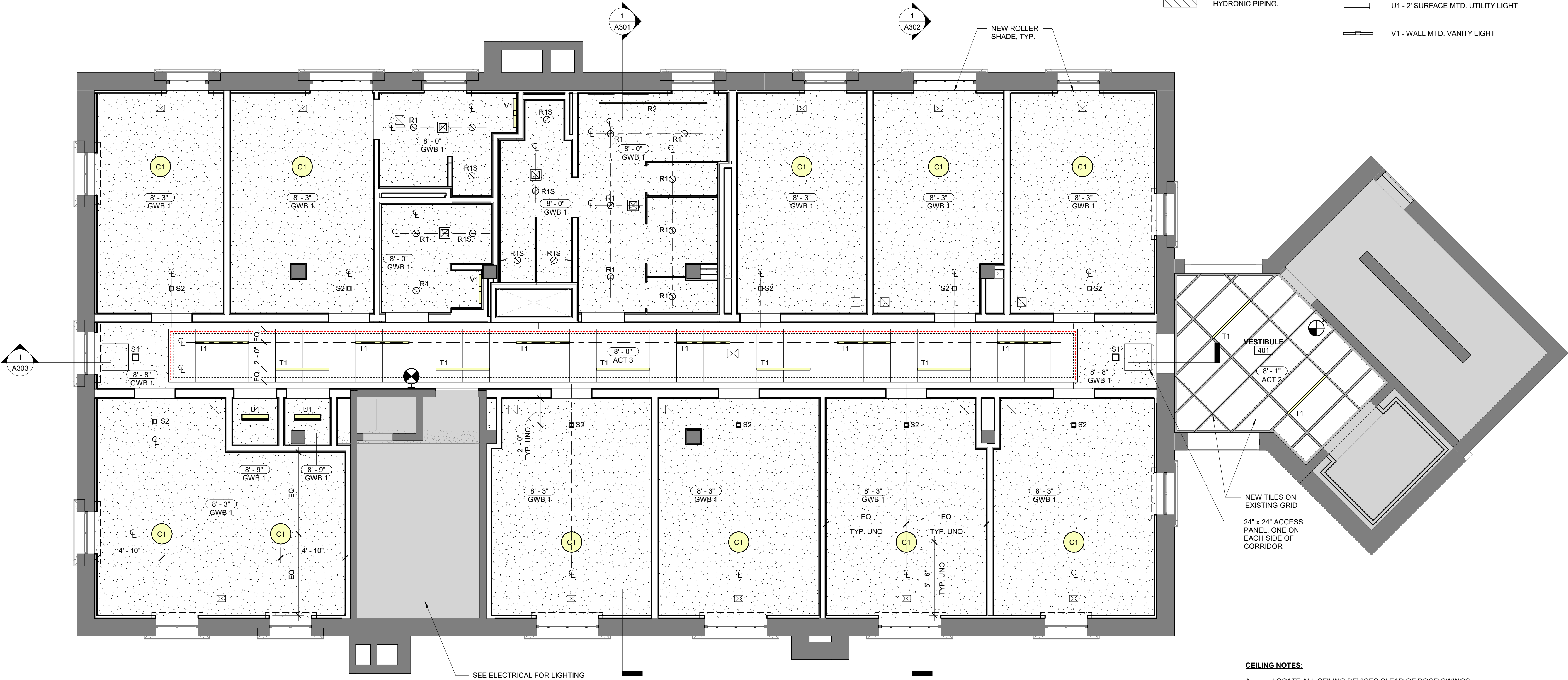


**CEILING LEGEND**

- NEW PTD GWB
- NEW ACT:  
ACT 1: 2x2  
ACT 2: 2x4  
ACT 3: 2x6
- REFINISH EX. GWB. CLG.  
NEW PT.
- EXISTING TO REMAIN
- DEDUCT ALT-1  
REMOVE SOFFIT ALONG  
EXTERIOR WALL TO CONCEAL  
HYDRONIC PIPING.

**LIGHTING LEGEND**

- C1 - CLG/SURFACE MTD. DOWNLIGHT
- T1 - 4' T-BAR. MTD TO ACT GRID
- R1 - 6" RECESSED LED DOWNLIGHT
- R1S - 6" RECESSED LED DOWNLIGHT,  
SHOWER RATED
- R2 - RECESSED LED STRIP  
DOWNLIGHT
- S1 - 6" SLIM SQUARE SURFACE  
MTD. LED DOWNLIGHT
- S2 - 4" SLIM SQUARE SURFACE  
MTD. LED DOWNLIGHT
- U1 - 2' SURFACE MTD. UTILITY LIGHT
- V1 - WALL MTD. VANITY LIGHT



**CEILING NOTES:**

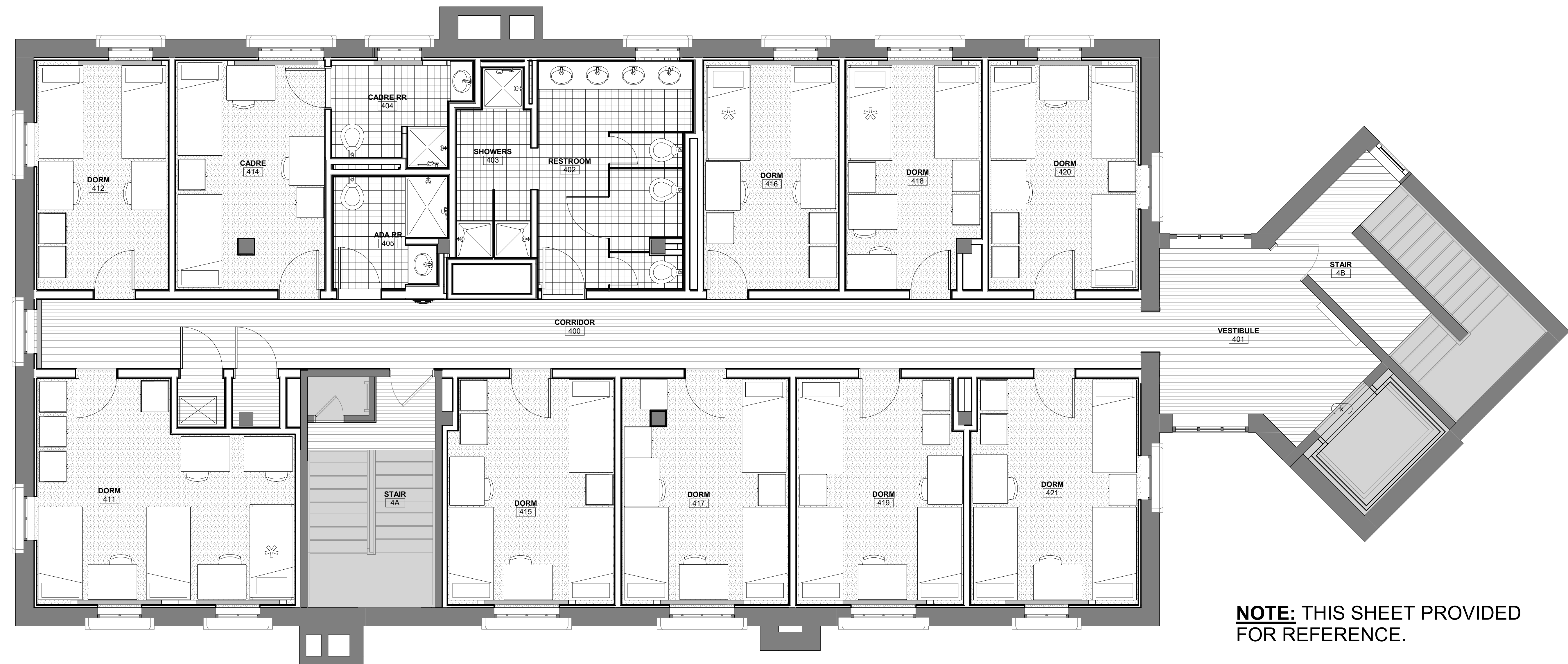
- A. LOCATE ALL CEILING DEVICES CLEAR OF DOOR SWINGS.
- B. GC TO COORDINATE MEP/FP SYSTEMS TO MEET CEILING HEIGHTS AS SHOWN.
- C. ITEMS ARE INTENDED TO BE EQUALLY SPACED ON CENTER WITHIN A DEFINED AREA UNO. CONFIRM LOCATIONS IN FIELD W/ ARCHITECT @ ROUGH-IN.
- D. REFERENCE LIGHT FIXTURE SCHEDULE IN ELECTRICAL SET
- E. ALIGN MECHANICAL SUPPLY/RETURN GRILLS ON CENTER W/ ADJACENT CEILING LIGHT FIXTURES
- F. LIGHT FIXTURES CENTERED UNO

① FOURTH FLOOR RCP  
1/4" = 1'-0"





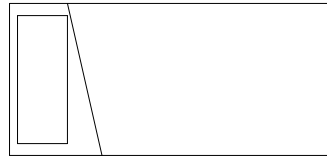
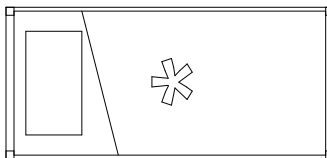
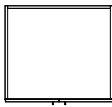
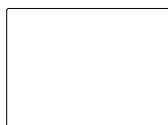





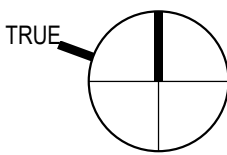
NOTE: THIS SHEET PROVIDED FOR REFERENCE.

1 FOURTH FLOOR FURNITURE PLAN  
1/4" = 1'-0"

FURNITURE SCHEDULE

ITEM	DIMENSIONS	FINISH	QTY FLR 2	QTY FLR 3	QTY FLR 4	TOTAL (EXCL. FLR 2)
 BED TWIN XL	6'-8"L x 3'-2"W	CLEAR OAK	TBD	23	23	46
 BUNK BED TWIN XL	6'-10"L x 3'-2"W x 5'-0"H	CLEAR OAK	TBD	3	3	6
 WARDROBE	2'-3"L x 2'-0"W x 6'-0"H	CLEAR OAK	TBD	29	29	58
 DESK	3'-6"L x 2'-6"W x 2'-6"H	CLEAR OAK	TBD	21	21	42
 CHAIR	1'-8" x 1'-6"	UPHOLSTERY	TBD	21	21	42

NOTE:  
ALL FURNITURE PURCHASED BY OWNER - TYP. U.N.O. FURNITURE SHOWN FOR CLARITY OF LAYOUT.



PROJECT NAME:  
MCJA - BUILDING C LIMITED RENOVATIONS  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

NOT FOR CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF SIMONS ARCHITECTS (SA) AND IS NOT TO BE COPIED OR REPRODUCED IN PART OR WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APR 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID

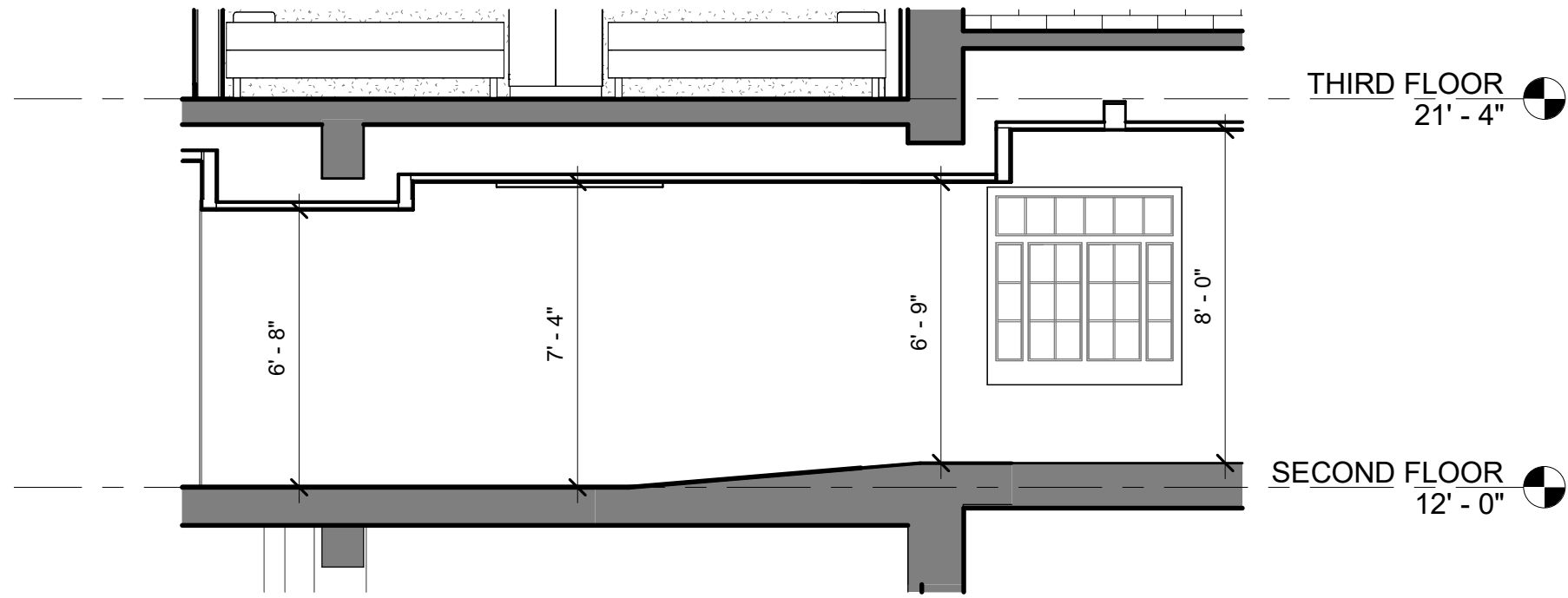
FOURTH FLOOR FURNITURE PLAN



LEGEND:  
NOT IN SCOPE

GENERAL NOTES:  
1. SECOND FLOOR TO RECIEVE FINISH UPGRADES ONLY (I.E. CARPET FLOORING, LVT IN BATHROOMS, & NEW PAINT)  
2. PATCH CEILINGS AND WALLS IN PLACES WHERE IMPACTED BY WORK ON UPPER FLOORS.

EXTENT OF STRUCTURAL  
BEAMS AND COLUMNS,  
SEE STRUCTURAL



2 SECTION THROUGH 2ND FLOOR RAMP  
1/4" = 1'-0"

FOURTH FLOOR  
30' - 8"

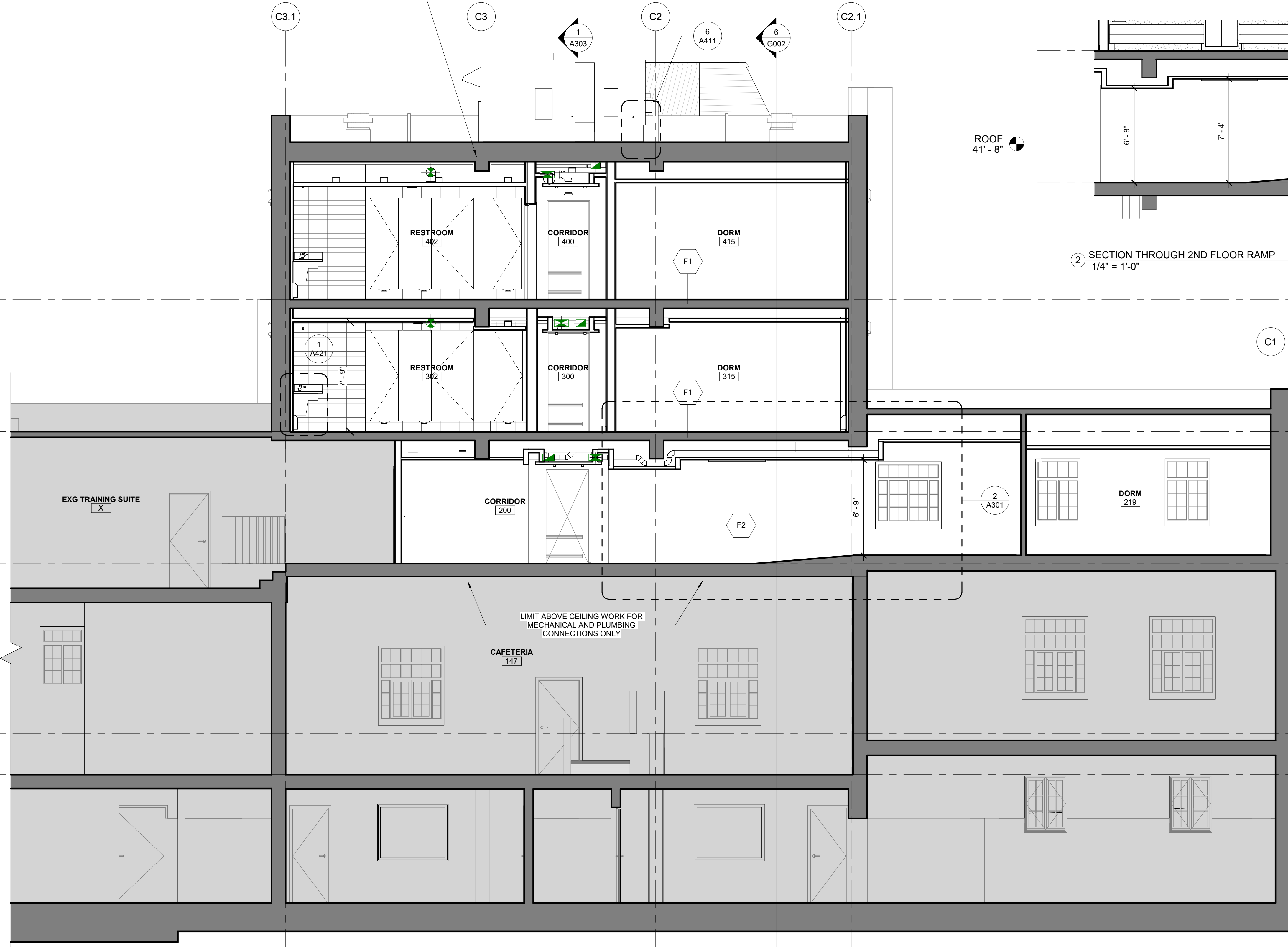
THIRD FLOOR  
21' - 4"

SECOND FLOOR  
12' - 0"

FIRST FLOOR  
0' - 0"

LOWER 1ST  
-2' - 11"

BASEMENT  
-12' - 0"



1 BUILDING SECTION  
1/4" = 1'-0"

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT TO  
BE COPIED OR REPRODUCED IN PART OR  
WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

REVISIONS

DATE OF ISSUE: APR 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID

**BUILDING  
SECTIONS**

**A301**



LEGEND:  
NOT IN SCOPE

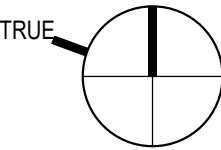
GENERAL NOTES:  
1. SECOND FLOOR TO RECIEVE FINISH UPGRADES ONLY (I.E. CARPET FLOORING, LVT IN BATHROOMS, & NEW PAINT)  
2. PATCH CEILINGS AND WALLS IN PLACES WHERE IMPACTED BY WORK ON UPPER FLOORS.

2 4TH FLOOR CORRIDOR ABV. CLG. SECTION  
3/4" = 1'-0"

3 3RD FLOOR CORRIDOR ABV. CLG. SECTION  
3/4" = 1'-0"

4 2ND FLOOR CORRIDOR ABV. CLG. SECTION  
3/4" = 1'-0"

1 BUILDING C SECTION  
1/4" = 1'-0"



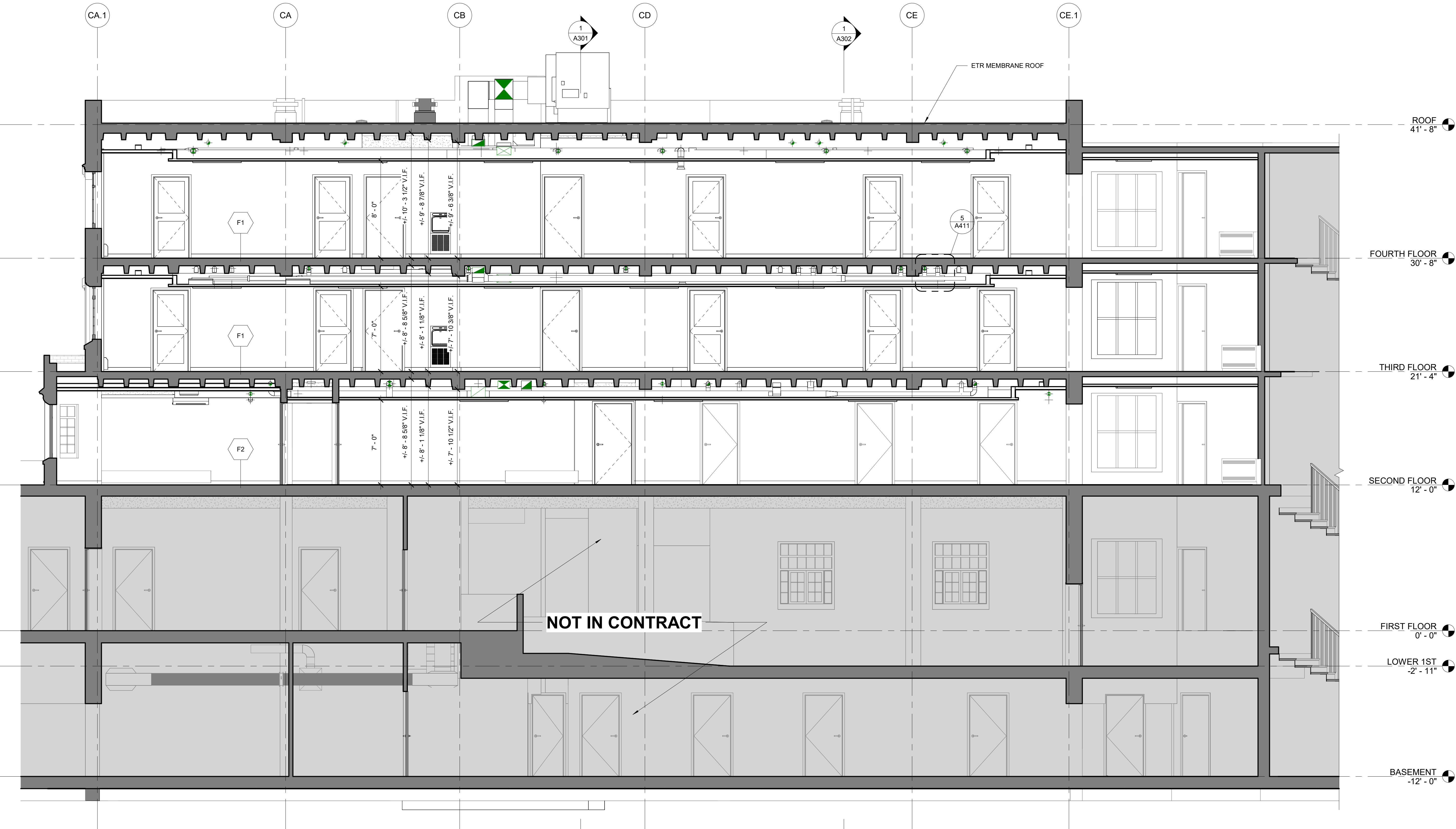


LEGEND:



GENERAL NOTES:

1. SECOND FLOOR TO RECIEVE FINISH UPGRADES ONLY (I.E. CARPET FLOORING, LVT IN BATHROOMS, & NEW PAINT)
2. PATCH CEILINGS AND WALLS IN PLACES WHERE IMPACTED BY WORK ON UPPER FLOORS.



1 BUILDING C LONGITUDINAL SECTION  
1/4" = 1'-0"

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT TO  
BE COPIED OR REPRODUCED IN PART OR  
WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APR 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID

**BUILDING  
SECTIONS**

**A303**





75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL: \_\_\_\_\_

NOT FOR  
CONSTRUCTION

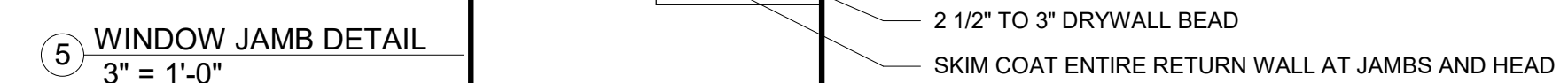
THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT TO  
BE COPIED OR REPRODUCED IN PART OR  
WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

## REVISIONS

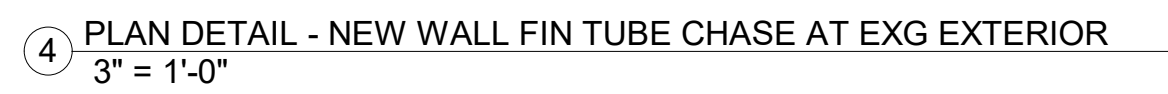
DATE OF ISSUE:	APR 8, 2025
PROJECT NUMBER:	2023-0070
STATUS:	ISSUED FOR BID

**DEDUCT ALT 1**

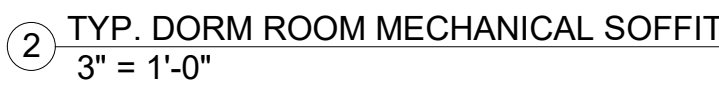
## A400











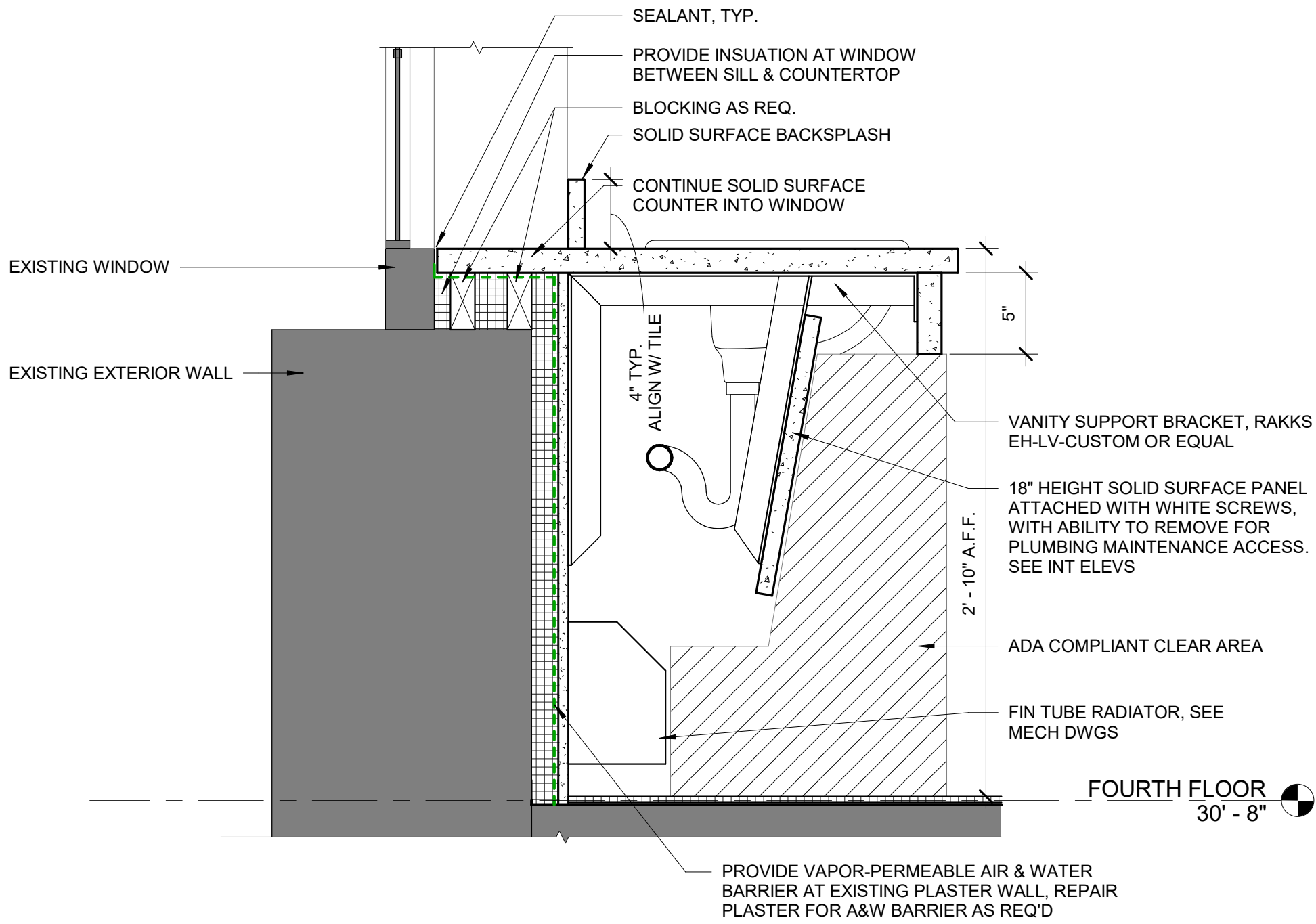


△ REVISIONS

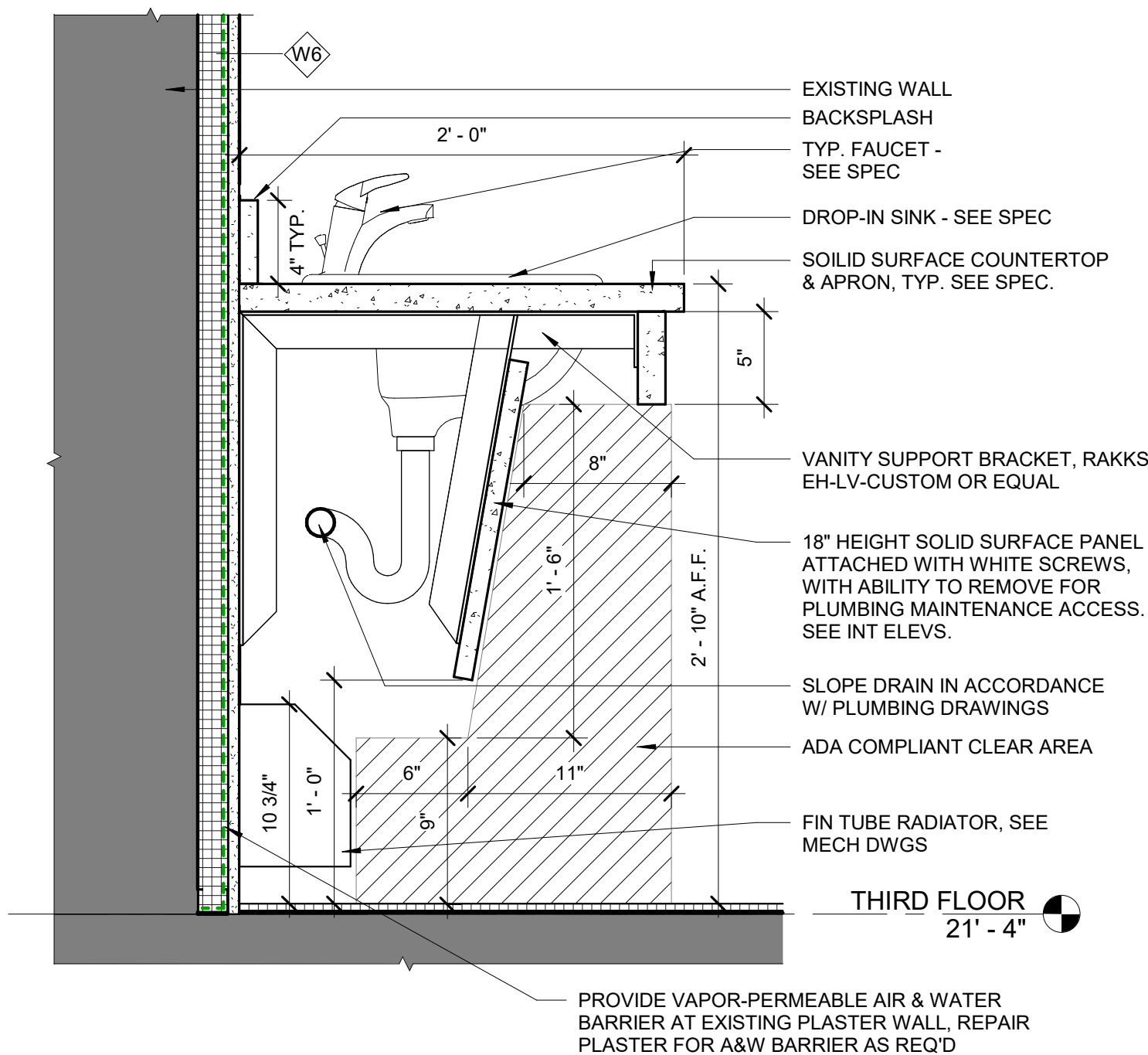
DATE OF ISSUE:	APR 8, 2025
PROJECT NUMBER:	2023-0070
STATUS:	ISSUED FOR BID

MILLWORK  
DETAILS

A421

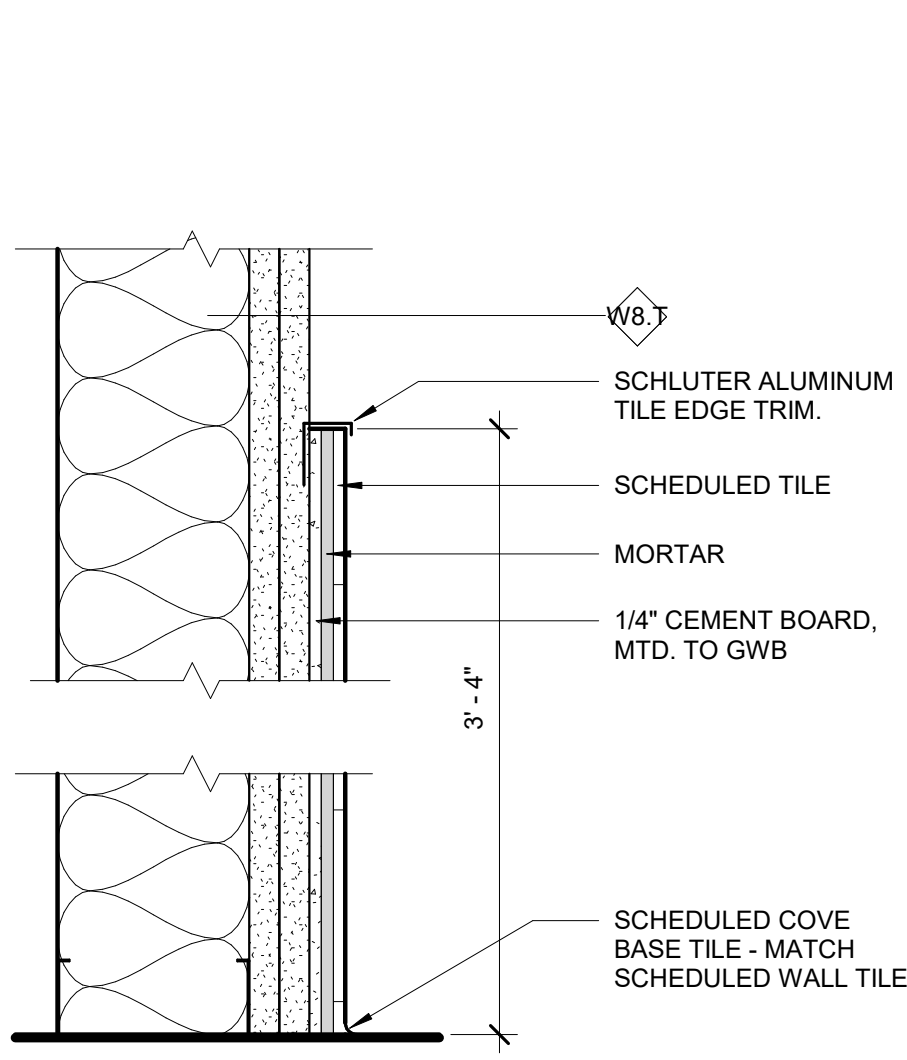


② BATHROOM SINK AT WINDOW  
1 1/2" = 1'-0"

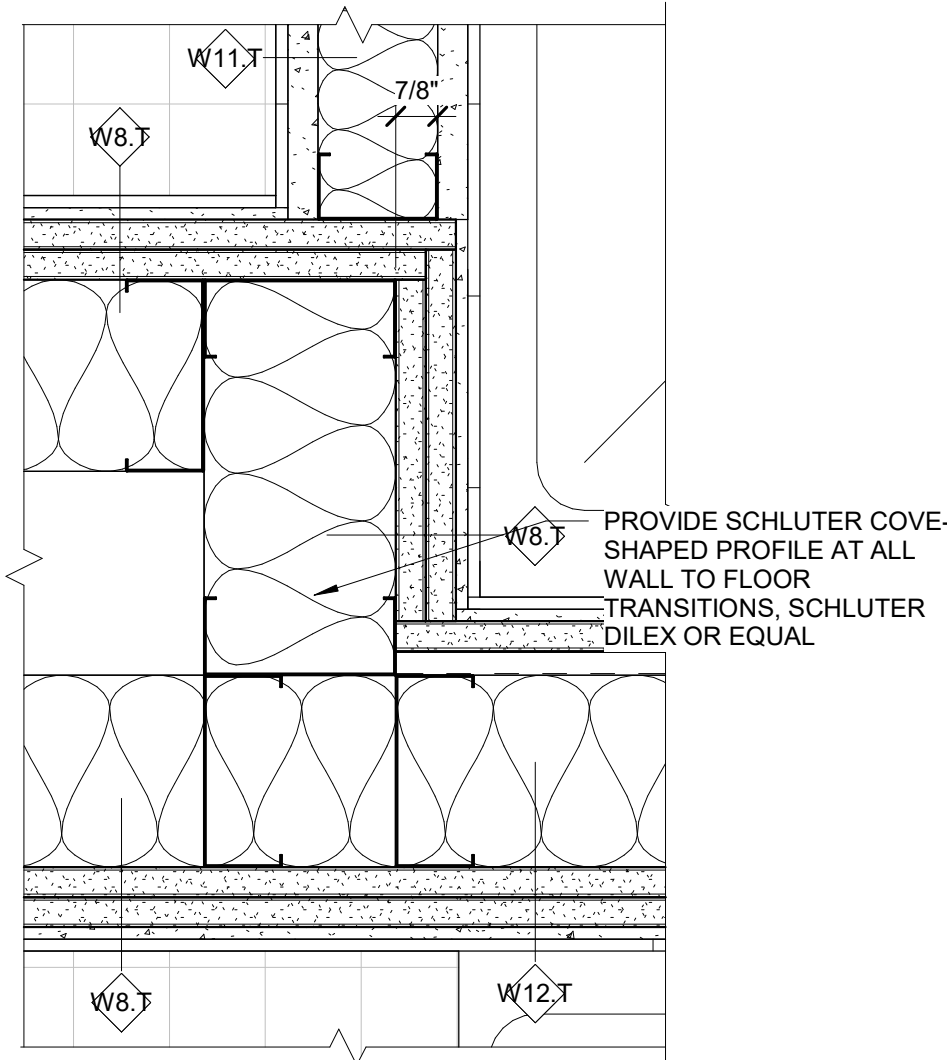


① TYP. BATHROOM SINK CASEWORK  
1 1/2" = 1'-0"

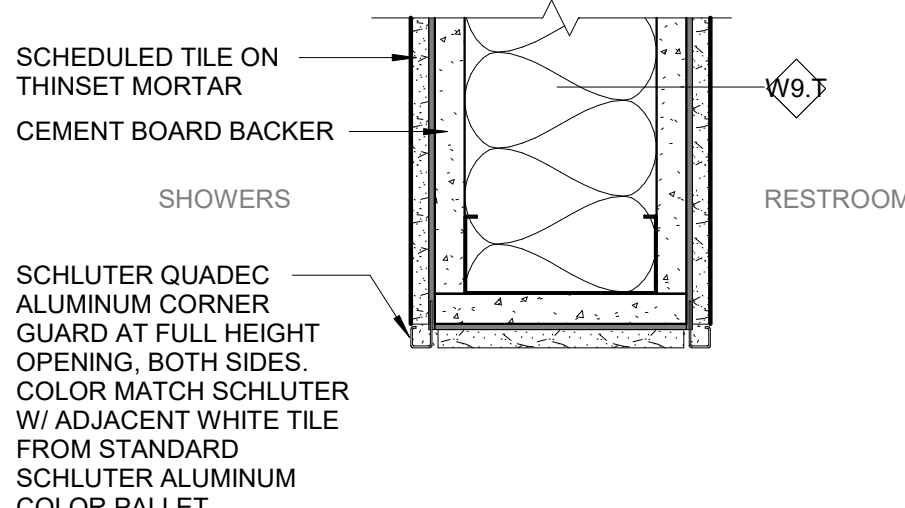




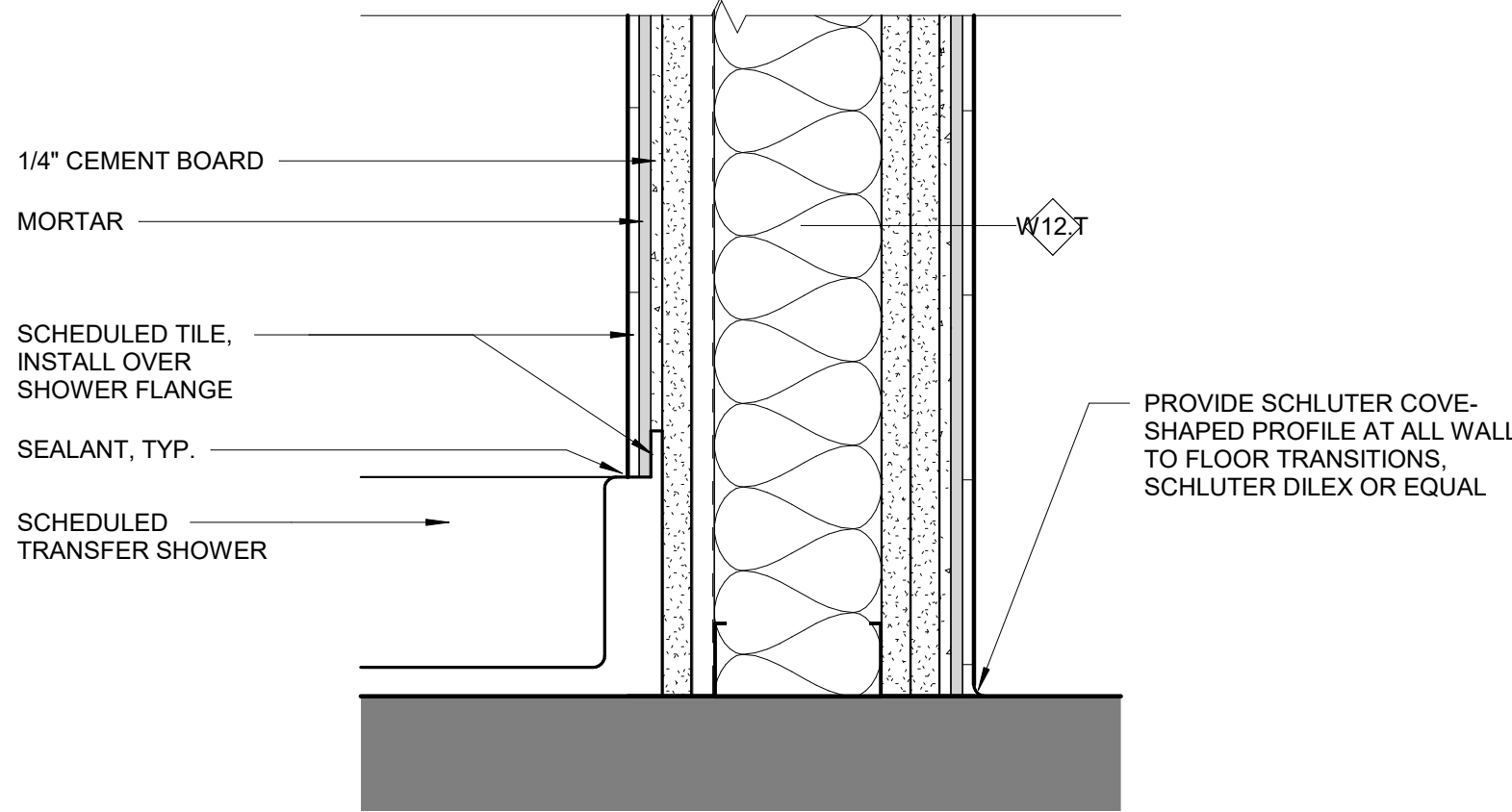
8 HALF-HEIGHT TILE DETAIL  
3" = 1'-0"



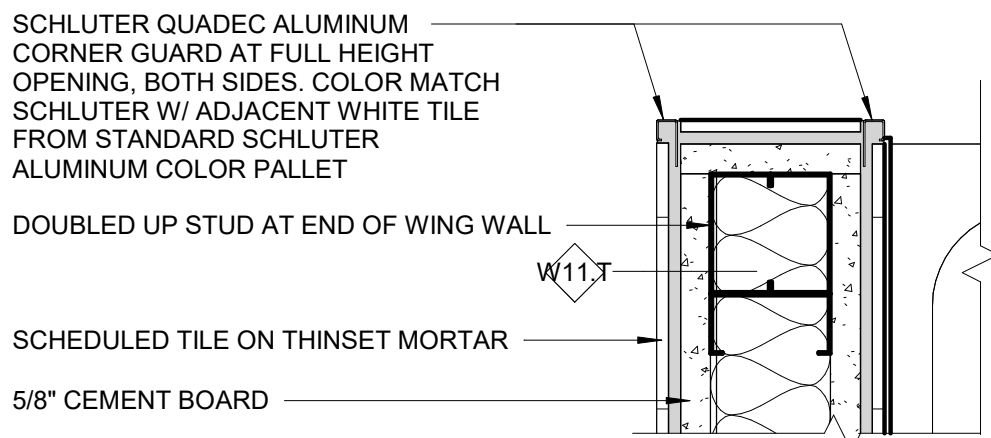
7 CADRE RESTROOM FR WALL TRANSITION  
3" = 1'-0"



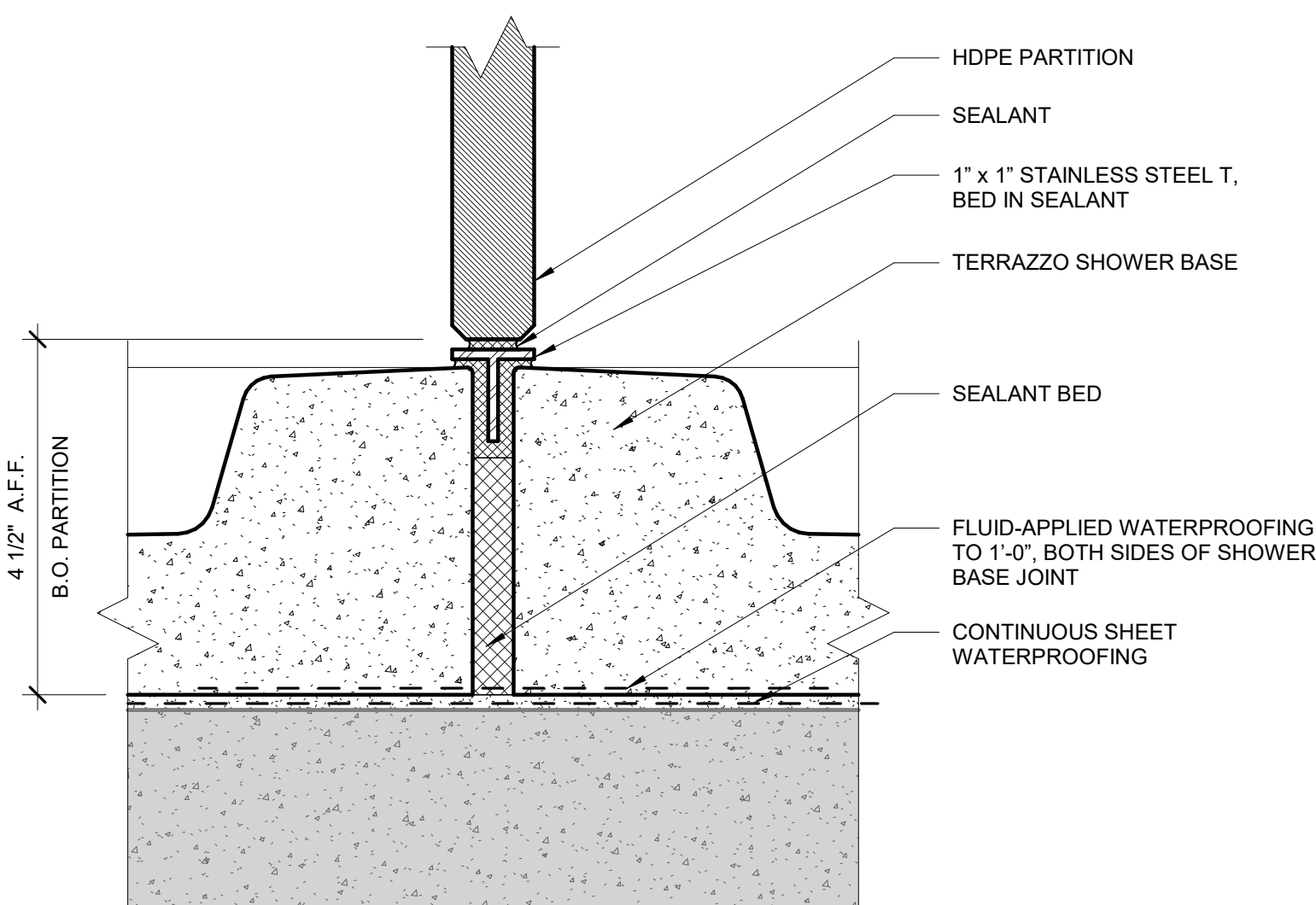
6 GANG RESTROOM TO SHOWER ROOM PASS THROUGH  
3" = 1'-0"



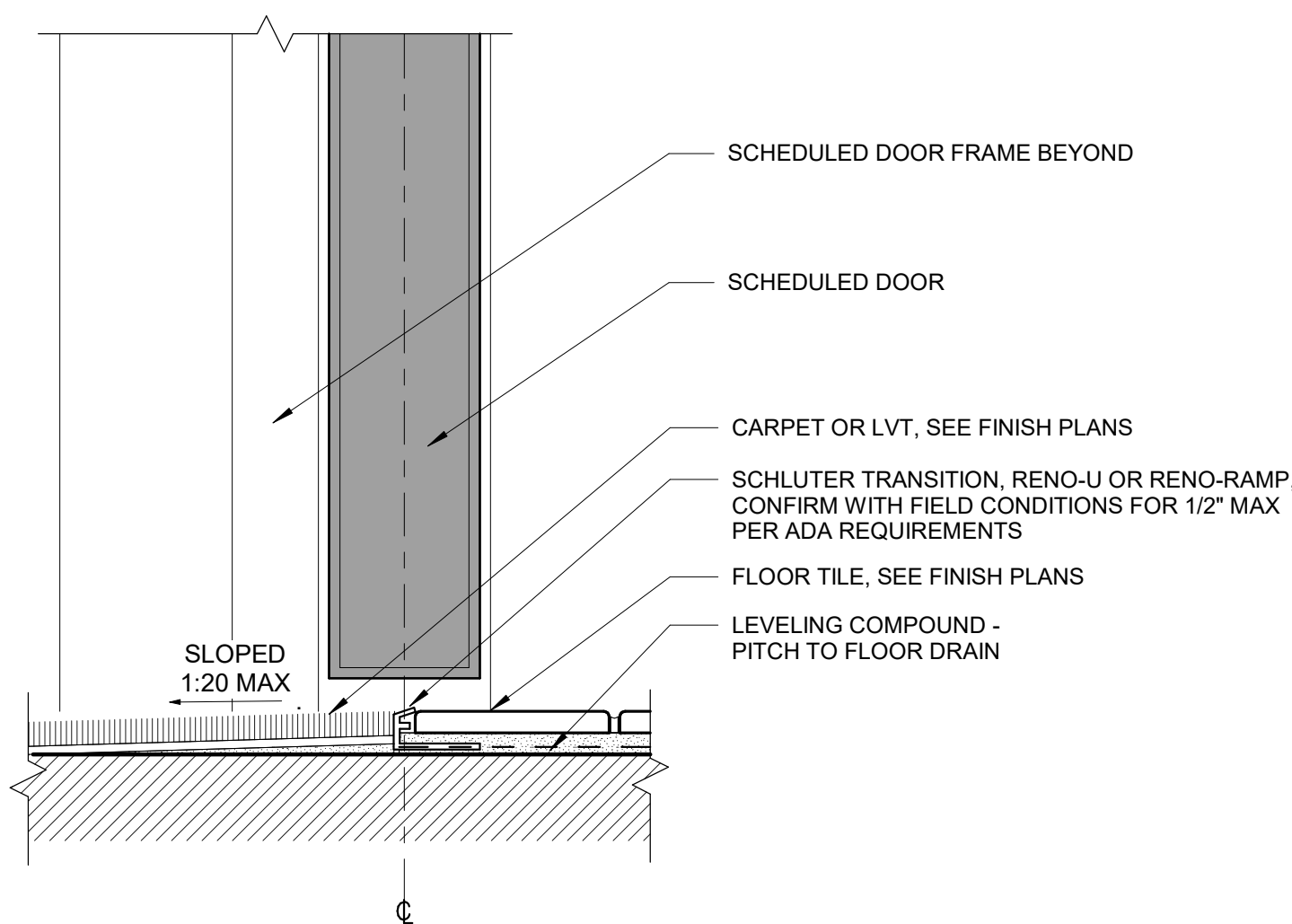
5 TRANSITION AT TRANSFER SHOWER  
3" = 1'-0"



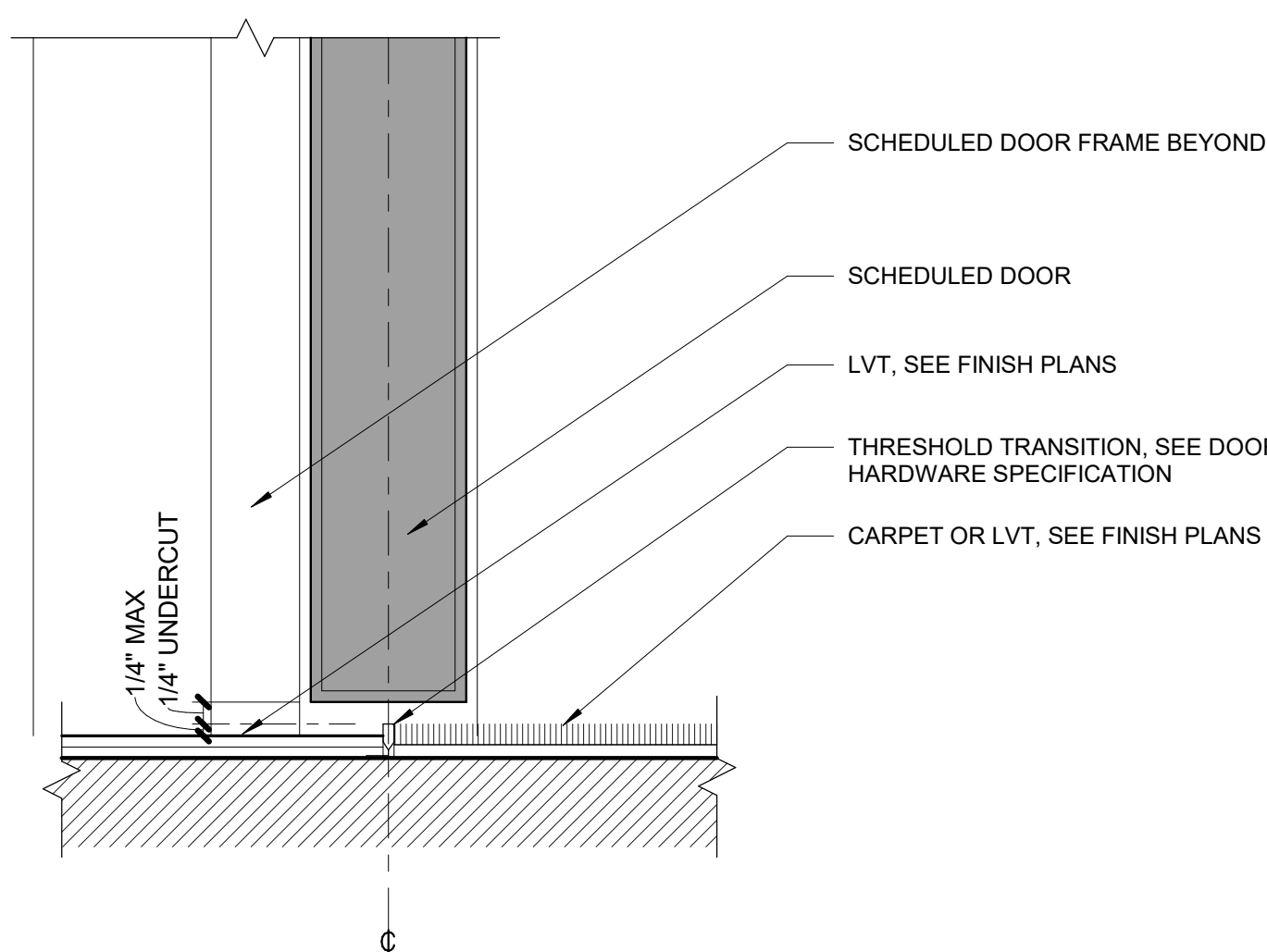
4 CADRE BATHROOM WING WALL AT SHOWER  
3" = 1'-0"



3 ADJACENT SHOWERS AT GROUP RESTROOM  
6" = 1'-0"

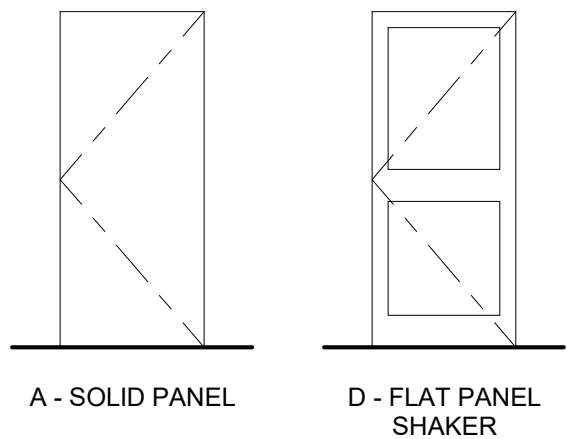


2 FLOOR TRANSITION - TILE TO CARPET OR LVT  
6" = 1'-0"

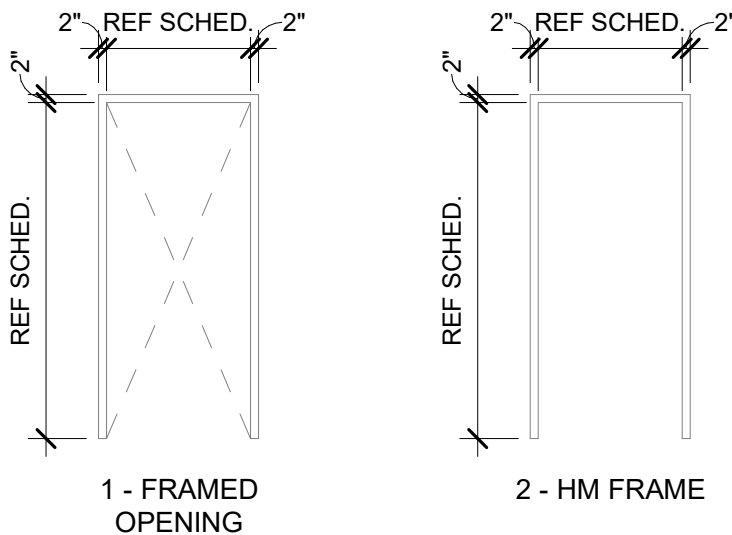


1 FLOOR TRANSITION - RESILIENT / CARPET  
6" = 1'-0"





DOOR TYPES  
1/4" = 1'-0"



FRAME TYPES  
1/4" = 1'-0"

DOOR SCHEDULE - SECOND FLOOR												
NO.	LOCATION	DOOR			FRAME			RATING	HW SET	Comments		
		TYPE	DESCRIPTION	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH			
200A	CORRIDOR	A	WOOD DOOR	3' - 0"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	5	

DOOR SCHEDULE - THIRD FLOOR												
NO.	LOCATION	DOOR			FRAME			RATING	HW SET	Comments		
		TYPE	DESCRIPTION	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH			
300A	JANITOR	A	WOOD DOOR	3' - 0"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	4	
300B	TELECOM	A	WOOD DOOR	3' - 0"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	4	
302	RESTROOM	A	WOOD DOOR	3' - 0"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	3	THRESHOLD AT TILE, REF DTL 2/A422
304	CADRE RR	A	WOOD DOOR	2' - 10"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	-	2	THRESHOLD AT TILE, REF DTL 2/A422
305	ADA RR	A	WOOD DOOR	3' - 0"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	2	THRESHOLD AT TILE, REF DTL 2/A422
311	DORM	D	WOOD DOOR	2' - 10"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	1	
312	DORM	D	WOOD DOOR	2' - 10"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	1	
314	CADRE	D	WOOD DOOR	2' - 10"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	1	
315	DORM	D	WOOD DOOR	2' - 10"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	1	
316	DORM	D	WOOD DOOR	2' - 10"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	1	
317	DORM	D	WOOD DOOR	2' - 10"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	1	
318	DORM	D	WOOD DOOR	2' - 10"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	1	
319	DORM	D	WOOD DOOR	2' - 10"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	1	
320	DORM	D	WOOD DOOR	2' - 10"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	1	
321	DORM	D	WOOD DOOR	2' - 10"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	1	

DOOR SCHEDULE - FOURTH FLOOR												
NO.	LOCATION	DOOR			FRAME			RATING	HW SET	Comments		
		TYPE	DESCRIPTION	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH			
400A	JANITOR	A	WOOD DOOR	3' - 0"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	4	
400B	TELECOM	A	WOOD DOOR	3' - 0"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	4	
402	RESTROOM	A	WOOD DOOR	3' - 0"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	3	THRESHOLD AT TILE, REF DTL 2/A422
404	CADRE RR	A	WOOD DOOR	2' - 10"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	-	2	THRESHOLD AT TILE, REF DTL 2/A422
405	ADA RR	A	WOOD DOOR	3' - 0"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	2	THRESHOLD AT TILE, REF DTL 2/A422
411	DORM	D	WOOD DOOR	2' - 10"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	1	
412	DORM	D	WOOD DOOR	2' - 10"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	1	
414	CADRE	D	WOOD DOOR	2' - 10"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	1	
415	DORM	D	WOOD DOOR	2' - 10"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	1	
416	DORM	D	WOOD DOOR	2' - 10"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	1	
417	DORM	D	WOOD DOOR	2' - 10"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	1	
418	DORM	D	WOOD DOOR	2' - 10"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	1	
419	DORM	D	WOOD DOOR	2' - 10"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	1	
420	DORM	D	WOOD DOOR	2' - 10"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	1	
421	DORM	D	WOOD DOOR	2' - 10"	6' - 8"	0' - 1 3/4"	2	HOLLOW MTL	PAINTED	20 MIN. SMOKE	1	

HW 1 - DORM ROOM

INSTITUTIONAL PRIVACY  
SARGENT 70-8257-LNL-10B  
SPRING HINGES

HW 2 - INDIVIDUAL USER RESTROOM

INSTITUTIONAL PRIVACY  
SARGENT 70-8257-LNL-10B  
OCCUPANCY INDICATOR TRIM  
DOOR CLOSER  
1/2" ADA THRESHOLD

HW 3 - GROUP RESTROOM

PASSAGE SET, NO LATCHING  
PUSH / PULL PLATES  
DOOR CLOSER  
1/2" ADA THRESHOLD

HW 4 - JANITOR & TELECOM CLOSET

STOCKROOM FUNCTION  
SARGENT 70-8204-LNL-10B  
10" HT KICK PLATE, INSIDE FACE ONLY  
DOOR CLOSER

HW 5 - EXISTING TRAINING SUITE ENTRY

INSTITUTIONAL PRIVACY  
SARGENT 70-8257-LNL-10B  
10" HT KICK PLATE, INSIDE FACE ONLY  
DOOR CLOSER

DOOR HARDWARE  
1/4" = 1'-0"

GENERAL DOOR & HARDWARE NOTES:

- PROVIDE PLASTIC CONSTRUCTION CORES AT ALL HARDWARE SETS IN THIS PACKAGE.
- OWNER TO PROVIDE TEMPORARY CONSTRUCTION CORES AT (2) STAIR DOORS FOR CONTRACTOR ACCESS CONTROL. GC TO COORD WITH OWNER.
- AT FLOOR 2, PROVIDE ALLOWANCE FOR REPLACEMENT OF (5) WOOD DOORS AND ASSOCIATED HARDWARE IN EXISTING FRAMES. LOCATIONS TO BE DETERMINED IN THE FIELD WITH OWNER.
- OWNER TO SALVAGE ALL EXISTING CORES AND 50% OF CYLINDRICAL LOCKETS. GC TO COORD WITH OWNER.



EXISTING TYPICAL HM DOOR FRAME



EXISTING TYPICAL DOOR HARDWARE  
- HARDWARE TO REMAIN ON SECOND FLOOR



EXISTING TYPICAL DOOR HARDWARE  
- HARDWARE TO REMAIN ON SECOND FLOOR



EXISTING STAIR DOOR TO REMAIN



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656

PROJECT NAME:

MCJA - BUILDING  
C LIMITED  
RENOVATIONS

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

NOT FOR  
CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT TO  
BE COPIED OR REPRODUCED IN PART OR  
WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

REVISIONS

DATE OF ISSUE: APR 8, 2025

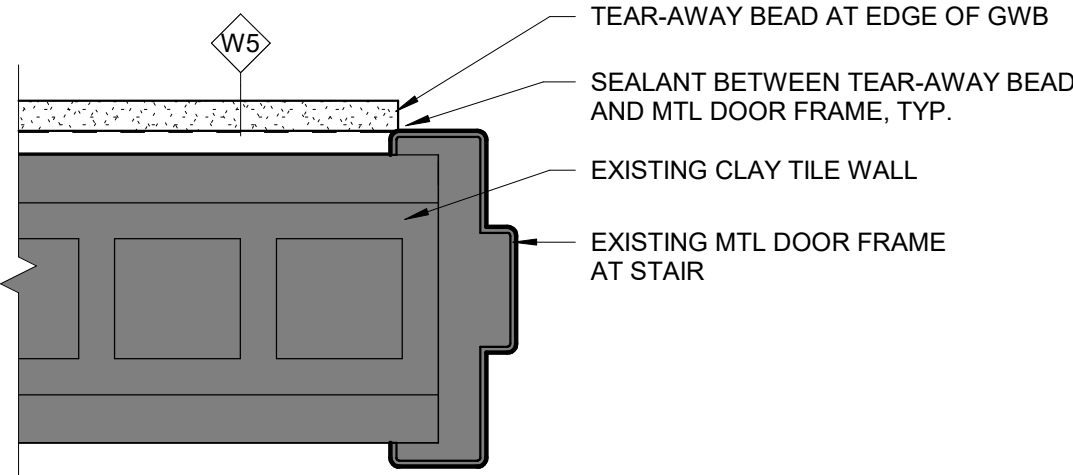
PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID

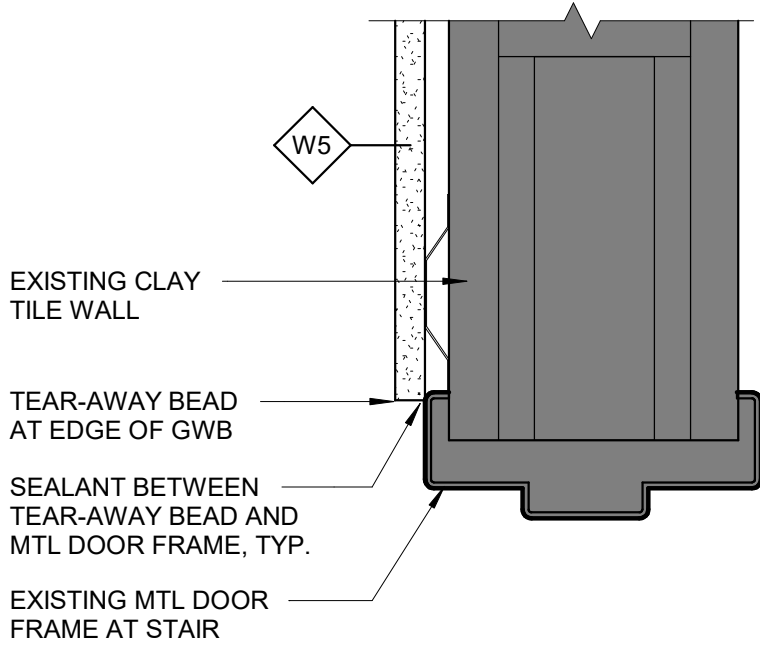
DOOR  
SCHEDULES

A601

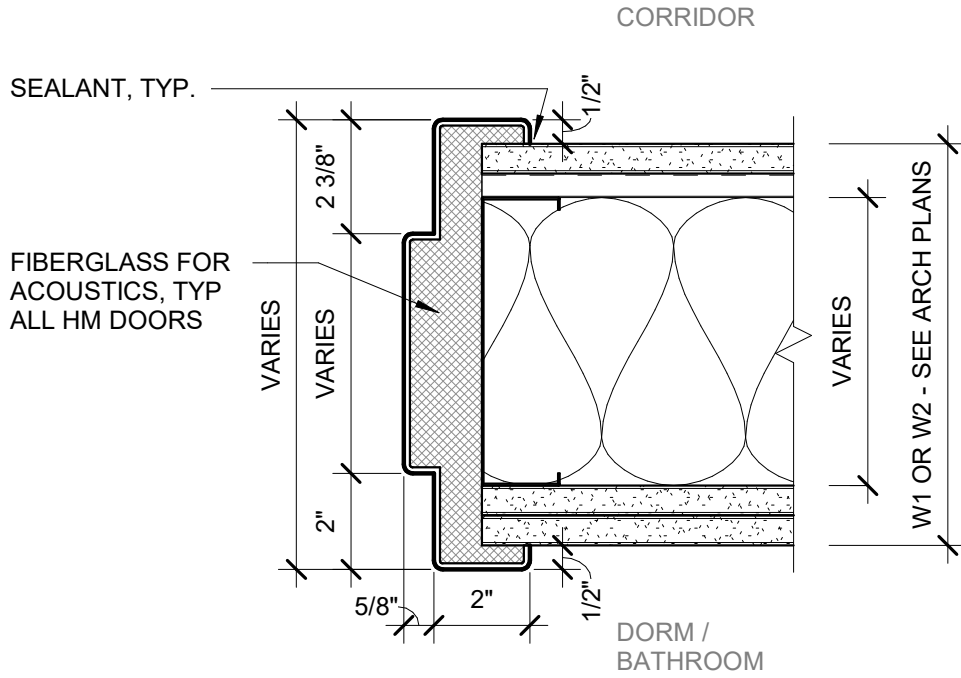




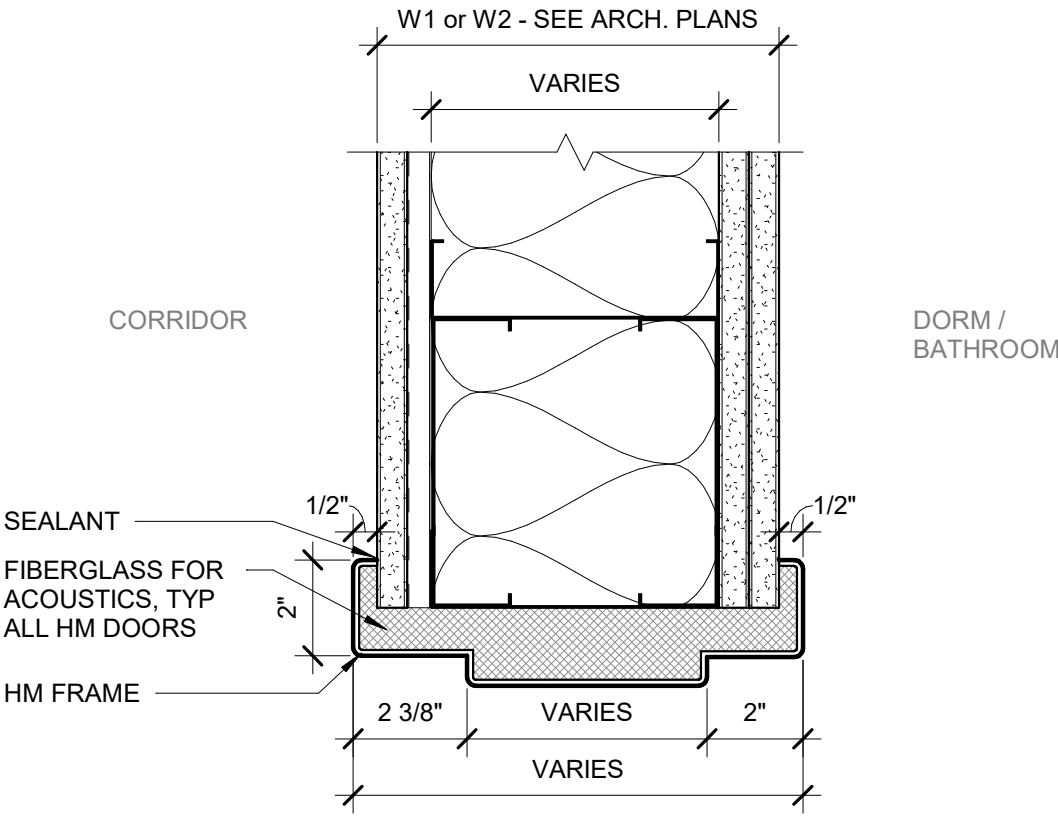
③ GWB TRANSITION AT EXISTING STAIR DOOR JAMB  
3" = 1'-0"



④ GWB TRANSITION AT EXISTING STAIR DOOR HEAD  
3" = 1'-0"



① TYP. 4TH FLOOR DOOR JAMB IN WALL INFILL  
3" = 1'-0"



② DOOR HEAD DETAIL IN WALL INFILL  
3" = 1'-0"



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT TO  
BE COPIED OR REPRODUCED IN PART OR  
WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APR 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID

**DOOR DETAILS**

**A602**





75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT TO  
BE COPIED OR REPRODUCED IN PART OR  
WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

△	REVISIONS

DATE OF ISSUE:	APR 8, 2025
PROJECT NUMBER:	2023-0070
STATUS:	ISSUED FOR BID

**SIGNAGE  
SCHEDULE**

**A603**



① SIGNAGE TYPE 1 - BATHROOM AND DORMS  
12" = 1'-0"

- SIGNAGE TYPES
- BATHROOMS AND DORMS - MAPLE-LOOK BACKING BEHIND ACRYLIC
  - TELECOM AND JANITOR - GREY BACKING BEHIND ACRYLIC
  - STAIRS - PER EGRESS CODE REQUIREMENTS
- RAISED LETTERS, BRAILLE, ACRYLIC, TYP ALL SIGNAGE

NOTE: REFER TO G006 FOR MOUNTING HEIGHT REQUIREMENTS.



Autodesk Docs\\Maine Criminal Justice Academy\\202005\_023.rvt

DESIGN NOTES:

- BUILDING CODE:
  - MAINE UNIFORM BUILDING AND ENERGY CODE
  - INTERNATIONAL BUILDING CODE – 2015 EDITION
  - ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
- STRUCTURAL SCOPE HERE IS LIMITED TO FRAMING MODIFICATIONS IN SUPPORT OF PLANNED MECHANICAL/ARCHITECTURAL MODIFICATIONS AS SHOWN ON MECHANICAL/ARCHITECTURAL DRAWING MATERIALS.
- STRUCTURAL STEEL FOR HAS BEEN DESIGNED USING THE 13TH EDITION OF THE AISC STEEL CONSTRUCTION MANUAL. STEEL BEAMS SHALL CONFORM TO ASTM A992, FY = 50KSI; MISCELLANEOUS PLATES, SHAPES, CHANNELS, ANGLES ETC. SHALL CONFORM TO ASTM A36, FY = 36KSI.
- STEEL PIPE: ASTM A53, STANDARD WEIGHT (SCHEDULE 40), UNLESS ANOTHER WEIGHT IS INDICATED OR REQUIRED BY STRUCTURAL LOADS.
- ALL STEEL FRAMING/COMPONENTS FOR ROOF UNIT DUNNAGE TO BE GALVANIZED
- SEE ARCHITECTURAL WALL SECTIONS AND DETAILS FOR MISCELLANEOUS STEEL.

GENERAL NOTES:

- ALL CONTRACTORS SHALL CONFORM TO SAFETY REQUIREMENTS OF THE OWNER, AIA DOCUMENT A201, OSHA SAFETY AND HEALTH STANDARDS, AND OTHER LOCAL AUTHORITIES IN CONNECTION WITH THE PERFORMANCE OF THIS PROJECT.
- WORK SHALL BE DONE IN COMPLIANCE WITH THE INTERNATIONAL BUILDING CODE (IBC), 2015 EDITION AND ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.
- ALL REFERENCED STANDARDS OR PUBLICATIONS SHALL PERTAIN TO THE MOST CURRENT DATA, STANDARD OR PUBLICATION, UNLESS NOTED OTHERWISE.
- NOTES ON THESE DRAWINGS SHALL NOT SUPERSEDE OR REPLACE INFORMATION PROVIDED IN THE SPECIFICATIONS. ANY INCONSISTENCIES WITH THE DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH THE AFFECTED PORTIONS OF THE WORK.
- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS. ALL DIMENSIONS AND ELEVATIONS SHOWN ON STRUCTURAL DRAWINGS, WITH THE EXCEPTION OF STRUCTURAL MEMBER SIZES, ARE GENERATED BY OTHER DISCIPLINES. ANY DIMENSIONS OR ELEVATIONS OMITTED OR NOT SHOWN ON THE STRUCTURAL DRAWINGS SHOULD BE OBTAINED FROM THE DRAWINGS OF THE OTHER DISCIPLINES. ANY INCONSISTENCIES WITH THE DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH THE AFFECTED PORTIONS OF THE WORK.
- THE CONTRACTOR SHALL VISIT THE SITE AT A DESIGNATED TIME APPROVED BY THE OWNER, TO VERIFY EXISTING CONDITIONS, DIMENSIONS, LOCATION OF EXISTING UTILITIES, ETC. THE CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES WITHOUT EXCEPTION.
- THE STRUCTURE HAS BEEN DESIGNED AS A SELF-SUPPORTING SYSTEM ONCE ALL WORK CONTAINED ON THESE DRAWINGS HAS BEEN COMPLETED. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ERECTION PROCEDURES AND SEQUENCE OF INSTALLATION TO ENSURE SAFETY OF THE BUILDING AND ITS OCCUPANTS DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS AND TEMPORARY SHORING, PRECAUTIONS DURING BUILDING OPERATIONS, PROTECTION OF PUBLIC AND WORKERS, REMOVAL OF WASTE MATERIAL, PROTECTION OF ADJACENT PROPERTY, PROTECTION OF HAZARDOUS OPENINGS, SAFETY PRECAUTIONS, AND SANITARY PROVISIONS OF EMPLOYEES AND SUBCONTRACTORS AS REQUIRED FOR THE DURATION OF THE CONTRACT.
- WORK SHALL BE DONE IN AN ORDERLY AND PROFESSIONAL MANNER. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL WORK TO BE DONE BY SUBCONTRACTORS, LOCAL AUTHORITIES, STATE AGENCIES AND/OR UTILITY COMPANIES WHICH MAY HAVE JURISDICTION OVER THIS PROJECT.
- UTILITY EXTENSIONS AND CONNECTIONS SHALL BE IN ACCORDANCE WITH STATE AND LOCAL CODES OR AS INDICATED BY THE SPECIFICATIONS.
- CONTRACTOR SHALL REVIEW AND SUBMIT COMPLETE SHOP DRAWINGS FOR ALL SPECIFIED PARTS OF THE WORK, INCLUDING SHORING AND CONSTRUCTION METHODS/SEQUENCING WHERE APPLICABLE. NO PORTION OF THE WORK COVERED BY THESE SHOP DRAWINGS SHALL COMMENCE UNTIL RETURNED APPROVED SHOPS ARE RECEIVED BY THE CONTRACTOR. SEE SPECIFICATIONS FOR SPECIFIC SHOP SUBMITTAL REQUIREMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY EXISTING ITEMS DAMAGED BY NEW CONSTRUCTION, AND FOR ANY INCIDENTAL REPAIRS OF EXISTING FINISHED SURFACES DISTURBED BY NEW CONSTRUCTION; SUCH REPAIRS SHALL MATCH EXISTING TO THE OWNER'S SATISFACTION.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING, HANDLING, AND STORAGE OF ITEMS/MATERIALS TO REMAIN THE PROPERTY OF THE OWNER WITH THE OWNER'S REPRESENTATIVE.
- SPECIAL INSPECTIONS AS REQUIRED BY IBC 2015 SHALL BE PERFORMED BY AN INSPECTION AGENCY CONTRACTED BY THE OWNER FOR ALL STEEL, CONCRETE AND MASONRY ACTIVITIES.

STRUCTURAL STEEL

- ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE REFERENCED EDITION OF THE AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS.
  - ALL WELDING ELECTRODES SHALL BE E70XX UNLESS OTHERWISE NOTED.
  - ALL BOLTS, NUTS AND WASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 325 OR ASTM A 490.
  - ALL WELDING SHALL BE BY CERTIFIED WELDERS AND SHALL CONFORM TO AWS CODE OF ARC AND GAS WELDING IN BUILDING CONSTRUCTION, LATEST EDITION.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ERECTION PROCEDURES AND SEQUENCES INCLUDING TEMPORARY BRACING AND SHORING.
  - THERE SHALL BE NO FIELD CUTTING OF STRUCTURAL STEEL MEMBERS WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.
  - ANY ADDITIONAL STEEL REQUIRED BY THE CONTRACTOR FOR ERECTION PURPOSES AND SITE ACCESS OR MATERIALS FOR STOCKPILING STEEL SHALL BE PROVIDED AT NO COST TO THE OWNER. ALL SUCH ADDITIONAL STEEL SHALL BE REMOVED BY THE CONTRACTOR UNLESS APPROVED BY THE OWNER IN WRITING.
  - PROVIDE FULL DEPTH WEB STIFFENER PLATES, BOTH SIDES, FOR ALL BEAMS CONTINUOUS OVER COLUMNS, AND FOR BEAMS SUPPORTING POSTS FROM ABOVE. PROVIDE PLATE AT EACH FLANGE OR WEB OF COLUMN OR POST.
  - FABRICATE AND ERECT ALL BEAMS WITH CAMBER UP.
  - SHOP AND FIELD TESTING OF WELDS AND BOLTS BY TESTING LAB SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 051200, SHOP QUALITY CONTROL, AND FIELD QUALITY CONTROL.
  - STRUCTURAL STEEL FABRICATOR SHALL BE RESPONSIBLE FOR PROVIDING BRACING MEMBER END CONNECTIONS WITH A MINIMUM CAPACITY FOR FORCES GIVEN ON BRACED FRAME ELEVATIONS OR PLANS. WHEN PROVIDING CONNECTIONS, ALL AISC CODE REQUIREMENTS SHALL BE MET AS APPLICABLE (I.E., NET SECTION, BLOCK SHEAR, ETC.) FOR THE MEMBERS AND GUSSET PLATES.
  - BEAM END CONNECTIONS SHALL BE SELECTED AND DETAILED FOR 1.25 TIMES THE REACTIONS INDICATED. A MINIMUM CONNECTION CAPACITY OF 6 KIPS SHALL BE PROVIDED. REACTIONS GOVERNED BY THE 6K MINIMUM ARE DESIGNATED AS "4WXXXX" ON PLAN, AND NEED NOT BE INCREASED BY THE FACTOR OF 1.25.
- IN ADDITION TO PROVIDING ADEQUATE BOLTS TO ACCOMMODATE REACTIONS, THE FOLLOWING MINIMUM NUMBER OF BOLT ROWS SHALL BE USED:
- | NOMINAL MEMBER DEPTH | MINIMUM BOLT ROWS |
|----------------------|-------------------|
| 10" OR LESS          | 2                 |
| 12" TO 18"           | 3                 |
| 21" TO 24"           | 4                 |
| 27" TO 30"           | 5                 |
| OVER 30"             | 6                 |
- STRUCTURAL STEEL FABRICATOR SHALL SUBMIT TO ENGINEER FOR REVIEW CALCULATIONS FOR EACH TYPE OF CONNECTION UTILIZED ON THE PROJECT TWO (2)-WEEKS PRIOR TO SUBMITTING DETAILED SHOP DRAWINGS. FABRICATOR SHALL ALSO SUBMIT TO THE ENGINEER ANY SHOP STANDARD DETAILS APPLICABLE TO CONNECTIONS FOR USE ON THE PROJECT. SHOP DRAWINGS WILL NOT BE REVIEWED UNTIL THIS SUBMISSION IS MADE.
  - ALL FIELD WELDS SHALL BE SCRAPED AND CLEANED FREE OF SLAG BY WELDER/ERECTOR TO ENABLE VISUAL WELD INSPECTION.
  - FIELD WELDING TO GALVANIZED STEEL: PRIOR TO FIELD WELDING CONNECTIONS, ZINC COATING AT ALL WELD CONNECTION AREAS SHALL BE REMOVED BY BURNING WITH OXYGEN FUEL GAS TORCH OR GRINDING TO BARE STEEL. APPLY A MINIMUM OF TWO COATS OF ZINC-RICH PAINT AFTER CLEANING COMPLETED WELD.

CONCRETE

- CONCRETE FOR INFILLS TO BE NORMAL WEIGHT CONCRETE WITH A 4,000PSI 28-DAY MINIMUM COMPRESSIVE STRENGTH, MINIMUM CEMENT CONTENT OF 6 SACKS PER CUBIC YARD, WATER-CEMENT RATIO 0.45 MAXIMUM (WATER CONTENT SHALL INCLUDE SURFACE WATER IN AGGREGATES), MAXIMUM 3/4" AGGREGATE, FOUR PLUS OR MINUS 1 INCH SLUMP. SUBMIT SEPARATE MIX DESIGNS, INCLUDING ALL BACKUP DATA, FOR EACH PUMP MIX FOR APPROVAL BY THE ENGINEER.

STRUCTURAL ABBREVIATIONS

#	NUMBER OR POUND	K	KIP(S)
&	AND	L	ANGLE
@	AT	LG	LIGHT GAGE FRAMING
		LL	LIVE LOAD
		LLH	LONG LEG HORIZONTAL
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL	LLV	LONG LEG VERTICAL
		LSH	LONG SIDE HORIZONTAL
AFF	ABOVE FINISHED FLOOR	LSV	LONG SIDE VERTICAL
ARCH	ARCHITECTURAL/ARCHITECT		
AVG	AVERAGE	MAX	MAXIMUM
		MECH	MECHANICAL
BIS	BOTH SIDES	MFR	MANUFACTURER
BF	BRACE FRAME	MIN	MINIMUM
BFE	BOTTOM OF FOOTING ELEVATION	MISC	MISCELLANEOUS
BLDG	BUILDING	MO	MASONRY OPENING
BM	BEAM		
BOT	BOTTOM	NTS	NOT TO SCALE
C	CHANNEL	O/C	ON CENTER
CANT	CANTILEVER	OD	OUTSIDE DIAMETER
CFMF	COLD-FORMED METAL FRAMING	OF	OUTSIDE FACE
CJ	CONTROL JOINT	OH	OPPOSITE HAND
CL	CENTER LINE	OPP	OPPOSITE
CLR	CLEAR		
CNU	CONCRETE MASONRY UNIT	P	CONCRETE PIER
CO	UNDERDRAIN CLEANOUT	PAF	POWDER ACTUATED FASTENER
COL	COLUMN	PEN	PENETRATION
CONC	CONCRETE	PIA	POST-INSTALLED ANCHOR
CONST	CONSTRUCTION	PL	PLATE
CONT	CONTINUOUS		
COORD	COORDINATE	QTY	QUANTITY
DEMO	DEMOLITION	R	REACTION
DIA	DIAMETER	RAD	RADIUS
DIAG	DIAGONAL	RD	ROOF DRAIN
DIM	DIMENSION	REINF	REINFORCEMENT
DL	DEAD LOAD	REQ'D	REQUIRED
DOF	DECK OPENING FRAME	RL	ROOF DRAIN LEADER
DWGS	DRAWINGS	RTU	ROOF TOP UNIT
EA	EACH	SDL	SUPERIMPOSED DEAD LOAD
EE	EACH END	SECT	SECTION
EF	EACH FACE	SF	SQUARE FOOT
EJ	EXPANSION JOINT	SIM	SIMILAR
EL	ELEVATION	SJ	SEISMIC JOINT
ELEC	ELECTRICAL	SL	SLOPE
EOS	EDGE OF SLAB	SOG	SLAB ON GRADE
EQ	EQUAL	SPEC	SPECIFICATION
EW	EACH WAY	STR	STRUCTURAL
EX	EXISTING		
EXT	EXTERIOR	T&B	TOP AND BOTTOM
		T/SLAB	TOP OF SLAB ELEVATION
FD	FLOOR DRAIN	TCE	TOP OF CONCRETE ELEVATION
FDN	FOUNDATION	TGE	TOP OF GRADE BEAM ELEVATION
FF	FINISHED FLOOR	TPC	TOP OF PILE CAP ELEVATION
FL	FLANGE	TPE	TOP OF PIER ELEVATION
FS	FOOTING STEP	TPL	TOP OF PLANK ELEVATION
FT	FOOT/FEET	TSE	TOP OF SHELF ELEVATION
FTG	FOOTING	TWE	TOP OF WALL ELEVATION
		TYP	TYPICAL
GALV	GALVANIZED		
GR	GRADE	UON	UNLESS OTHERWISE NOTED
HORIZ	HORIZONTAL	VERT	VERTICAL
HSS	HOLLOW STRUCTURAL SECTIONS	VIF	VERIFY IN FIELD
ID	INSIDE DIAMETER	W	WIDE FLANGE
IN	INCH(ES)	W/	WITH
INT	INTERIOR	W/O	WITHOUT
INV	INVERT	WP	WORKING POINT
		WWF	WELDED WIRE FABRIC

STRUCTURAL DRAWING LIST

S000	STRUCTURAL - GENERAL INFORMATION
S102	EXISTING SECOND FLOOR PLAN
S103	EXISTING THIRD FLOOR PLAN
S104	EXISTING FOURTH FLOOR PLAN
S105	EXISTING ROOF PLAN
S110	STRUCTURAL FRAMING PART PLANS
S500	STRUCTURAL DETAILS

Grand total: 7



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



Portland  
160 Veranda Street  
Portland, ME 04103

PROJECT NAME:

MCJA - BUILDING  
C LIMITED  
RENOVATIONS

15 OAK GROVE RD  
VASSELBORO, ME 04989

SEAL:

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APRIL 8, 2025

PROJECT NUMBER: 2023-0070

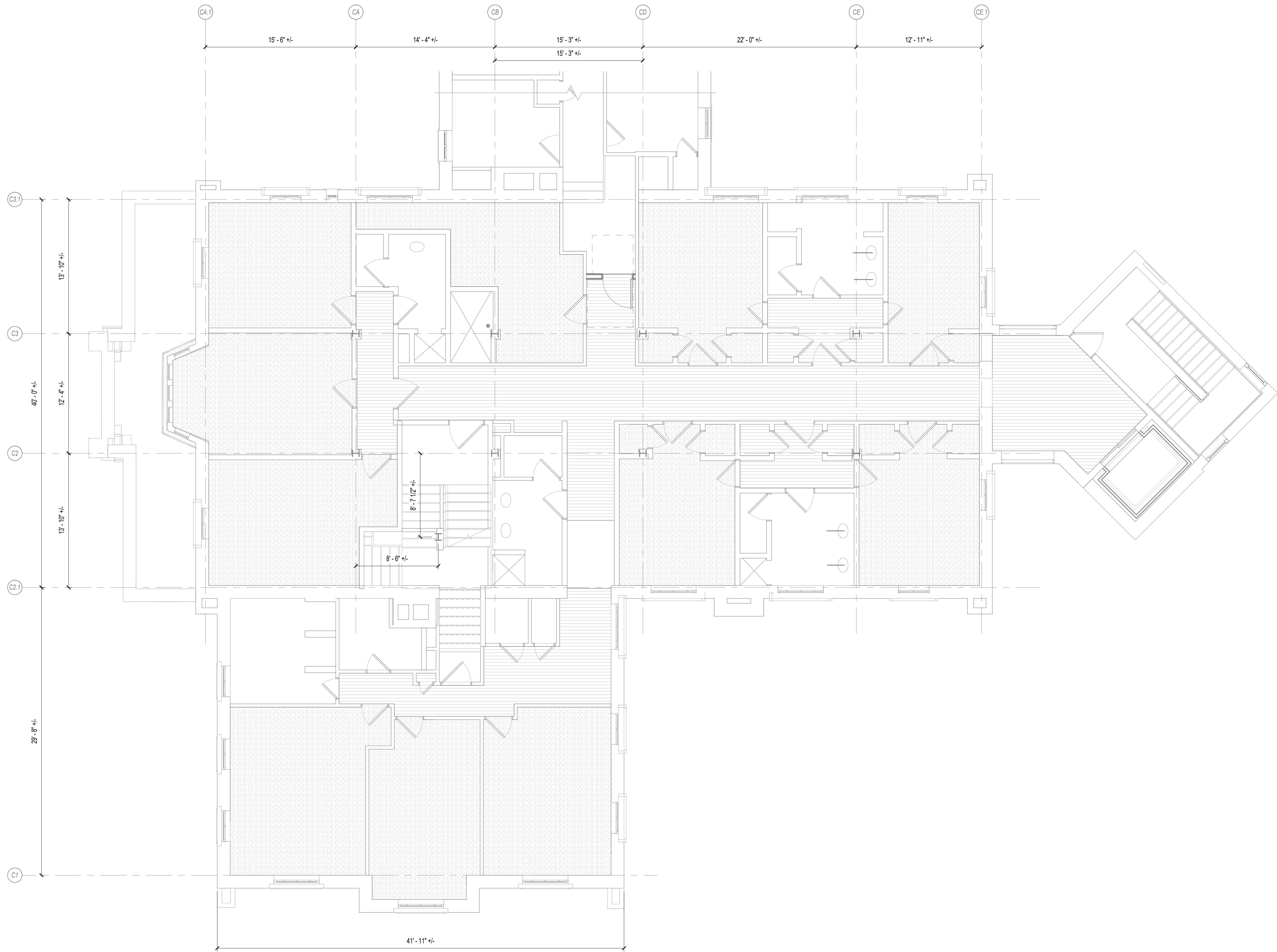
STATUS: ISSUED FOR BID - NOT  
FOR CONSTRUCTION

STRUCTURAL -  
GENERAL  
INFORMATION

S000



Autodesk Docs\\Maine Criminal Justice Academy\\200305\_R23.rvt



**1** **EXITING SECOND FLOOR PLAN**  
S102 3/16" = 1'-0"



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



Portland  
160 Veranda Street  
Portland, ME 04103

PROJECT NAME:

## MCJA - BUILDING C LIMITED RENOVATIONS

15 OAK GROVE RD  
VASSELBORO, ME 04989

SEAL:

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APRIL 8, 2025

PROJECT NUMBER: 2023-0070

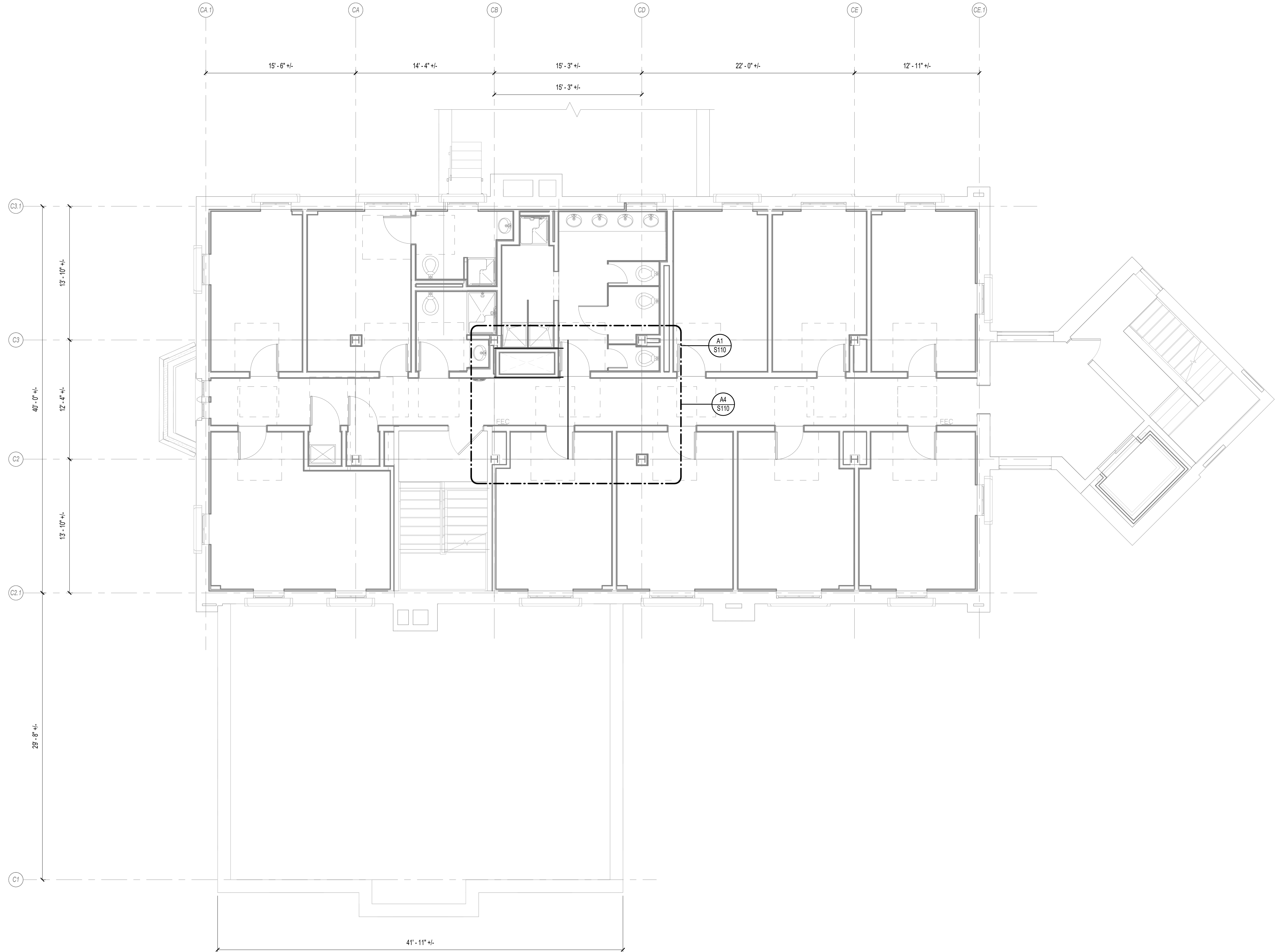
STATUS: ISSUED FOR BID - NOT  
FOR CONSTRUCTION

## EXISTING SECOND FLOOR PLAN

# S102



A:\dtd\Draws\Maine Criminal Justice Academy\2023\05\_R23.rvt



1 EXISTING THIRD FLOOR PLAN  
S103 3/16" = 1'-0"



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



Portland  
160 Veranda Street  
Portland, ME 04103

PROJECT NAME:

## MCJA - BUILDING C LIMITED RENOVATIONS

15 OAK GROVE RD  
VASSELBORO, ME 04989

SEAL:

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APRIL 8, 2025

PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID - NOT  
FOR CONSTRUCTION

## EXISTING THIRD FLOOR PLAN

# S103



Audodesk Docs://Maine Criminal Justice Academy/200305\_R23.rvt

B

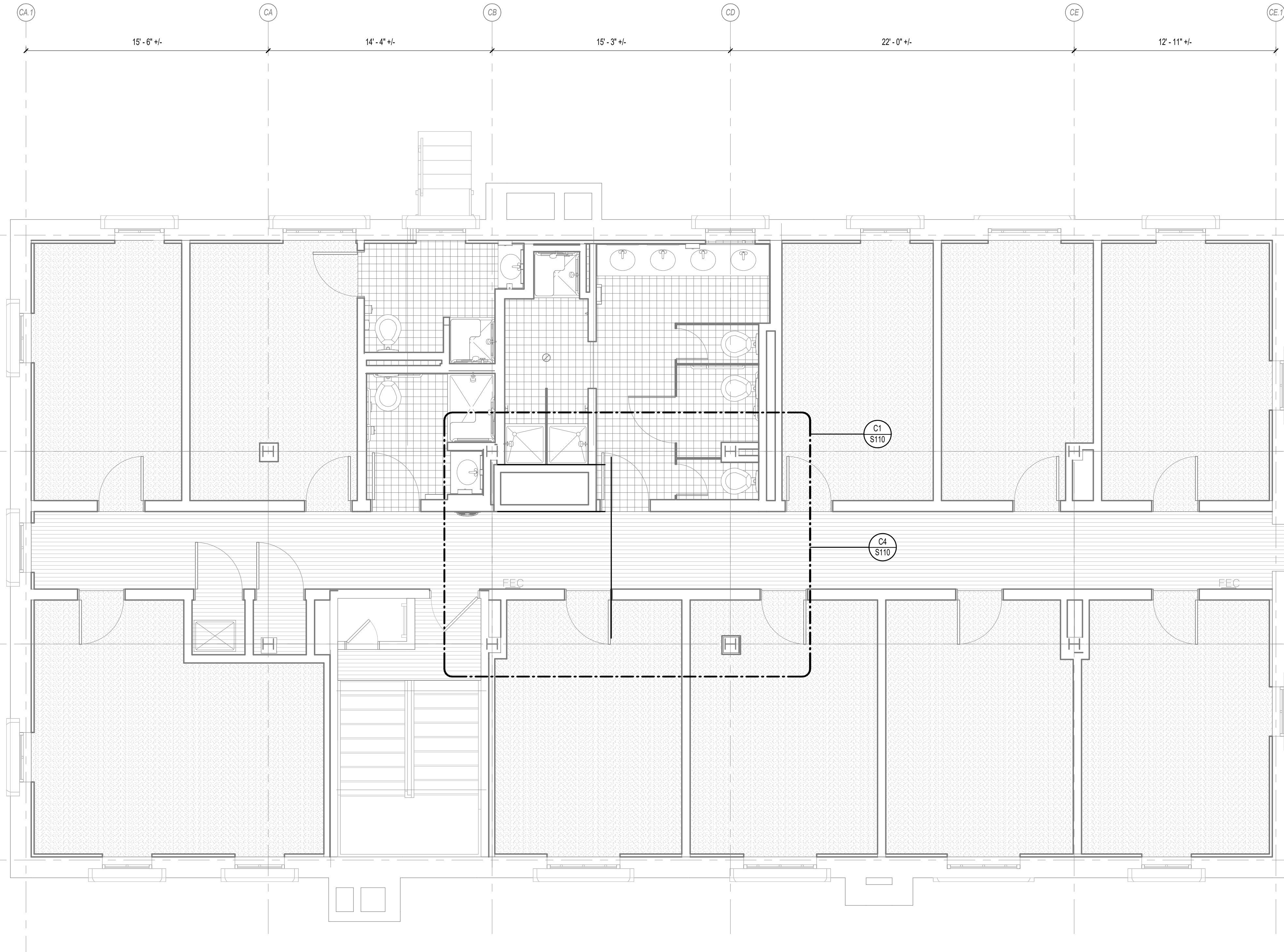
C

D

E

F

G



**1 EXISTING FOURTH FLOOR PLAN**  
S104 1/4" = 1'-0"



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSELBORO, ME 04989  
SEAL:

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

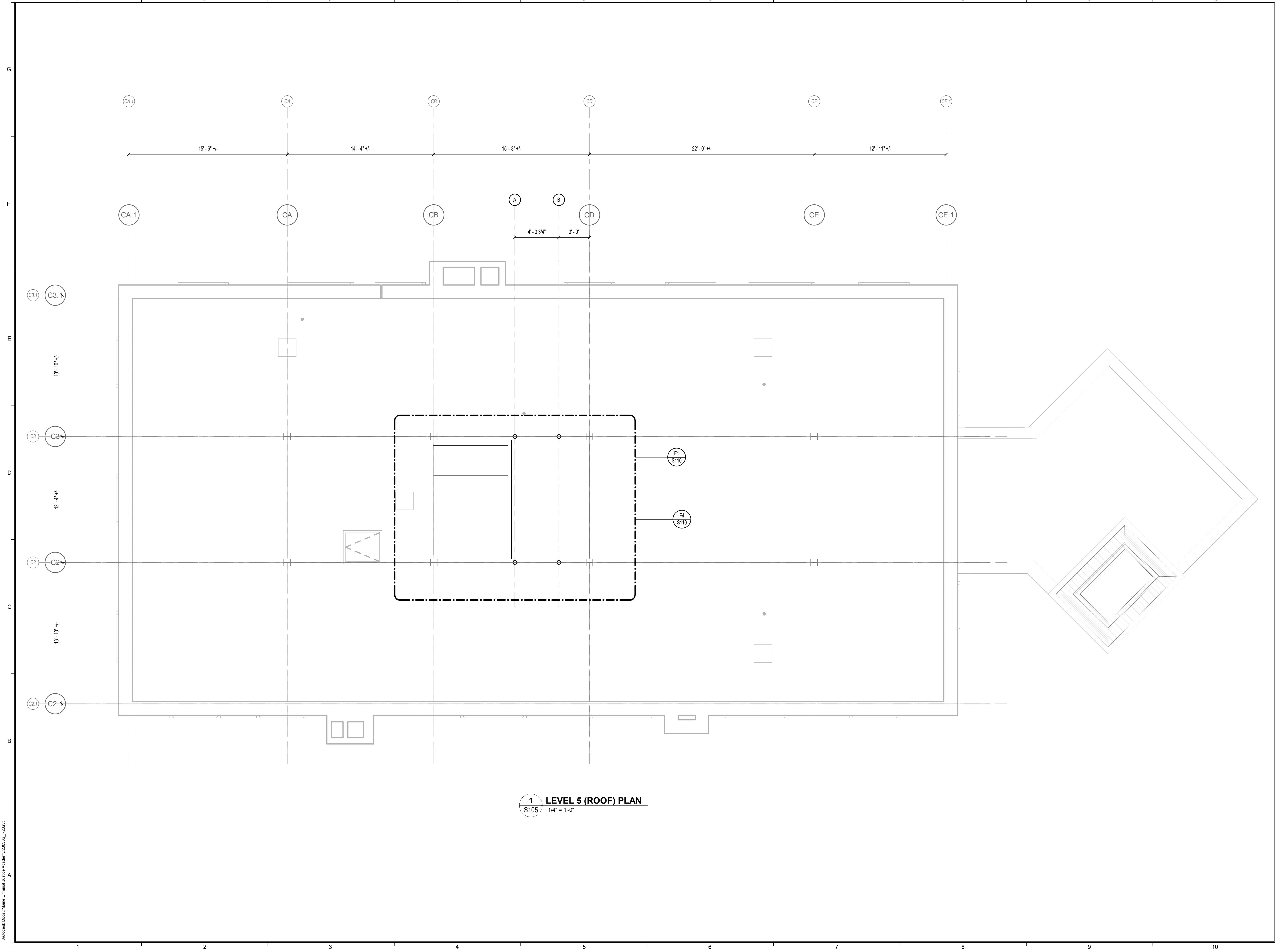
DATE OF ISSUE: APRIL 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID - NOT  
FOR CONSTRUCTION

**EXISTING FOURTH  
FLOOR PLAN**

**S104**



Autodesk Docs://Maine Criminal Justice Academy/2020S\_R23.rvt



**1** LEVEL 5 (ROOF) PLAN  
S105 1/4" = 1'-0"



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



Portland  
160 Veranda Street  
Portland, ME 04103

PROJECT NAME:

**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**

15 OAK GROVE RD  
VASSELBORO, ME 04989

SEAL:

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APRIL 8, 2025

PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID - NOT  
FOR CONSTRUCTION

**EXISTING ROOF  
PLAN**

**S105**







Autodesk Docs\\Maine Criminal Justice Academy\\2020\\S500.rvt

B

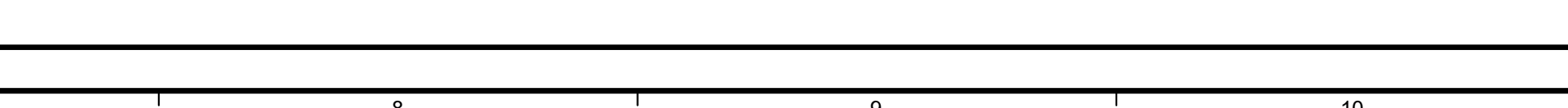
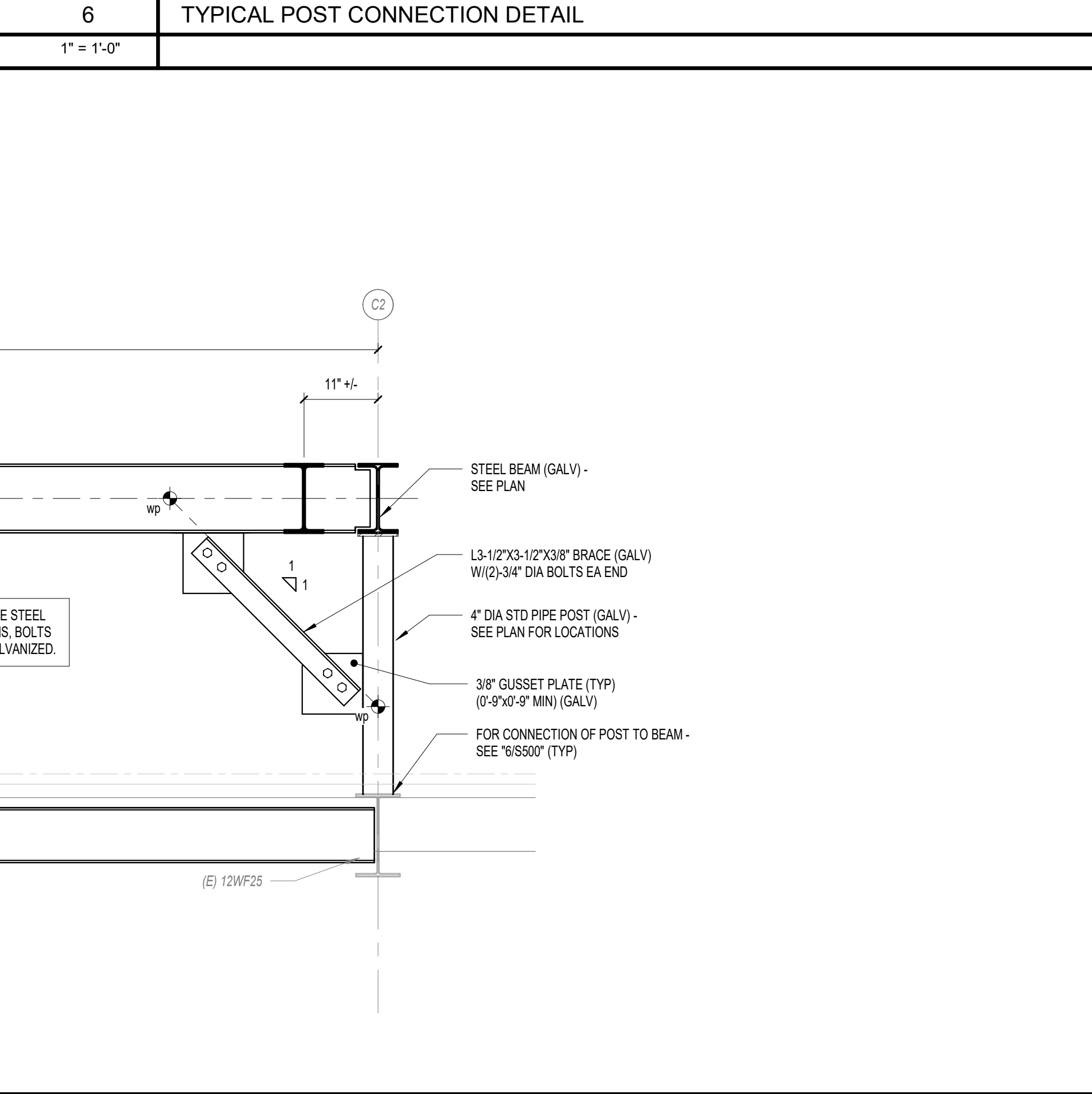
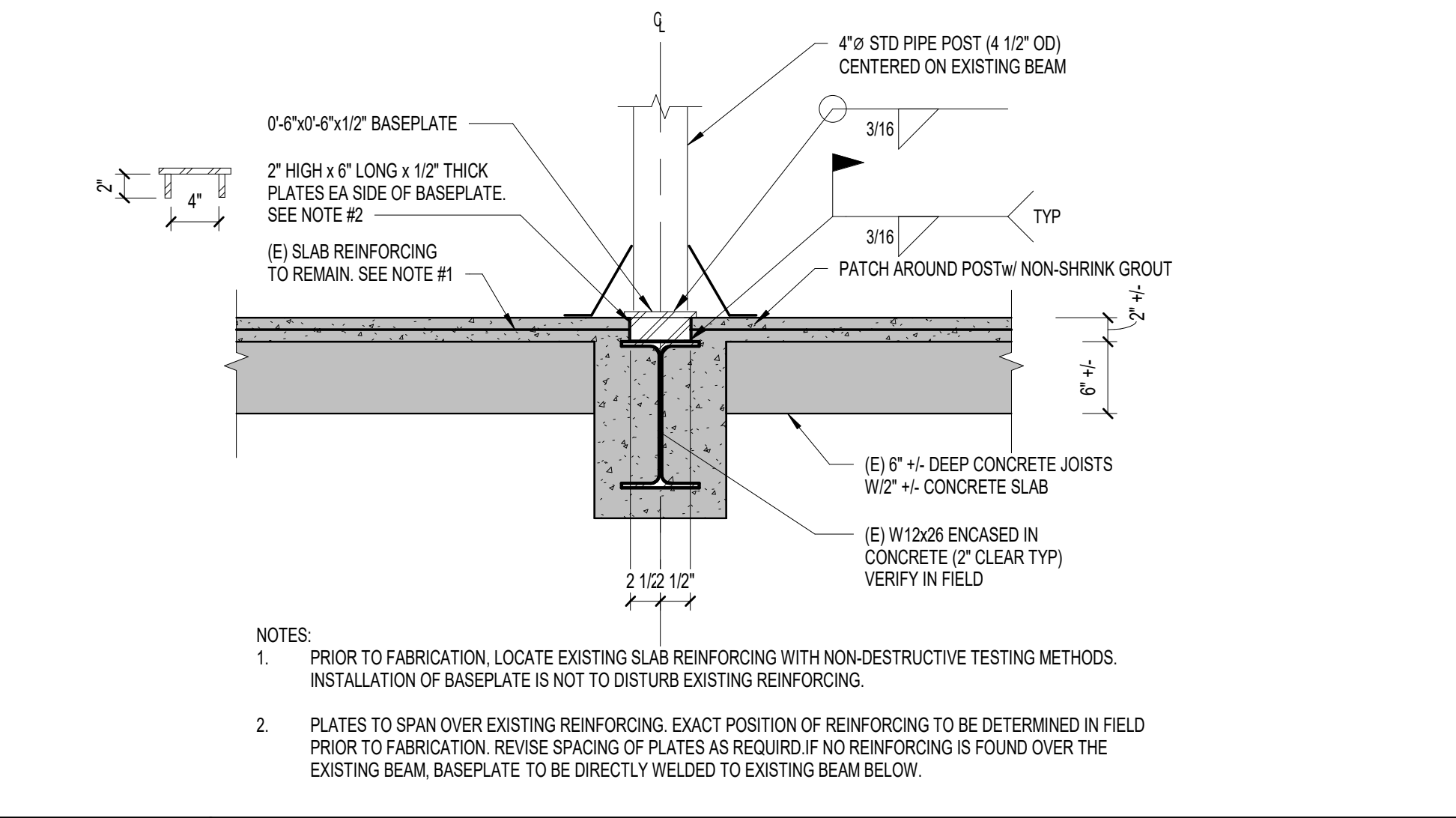
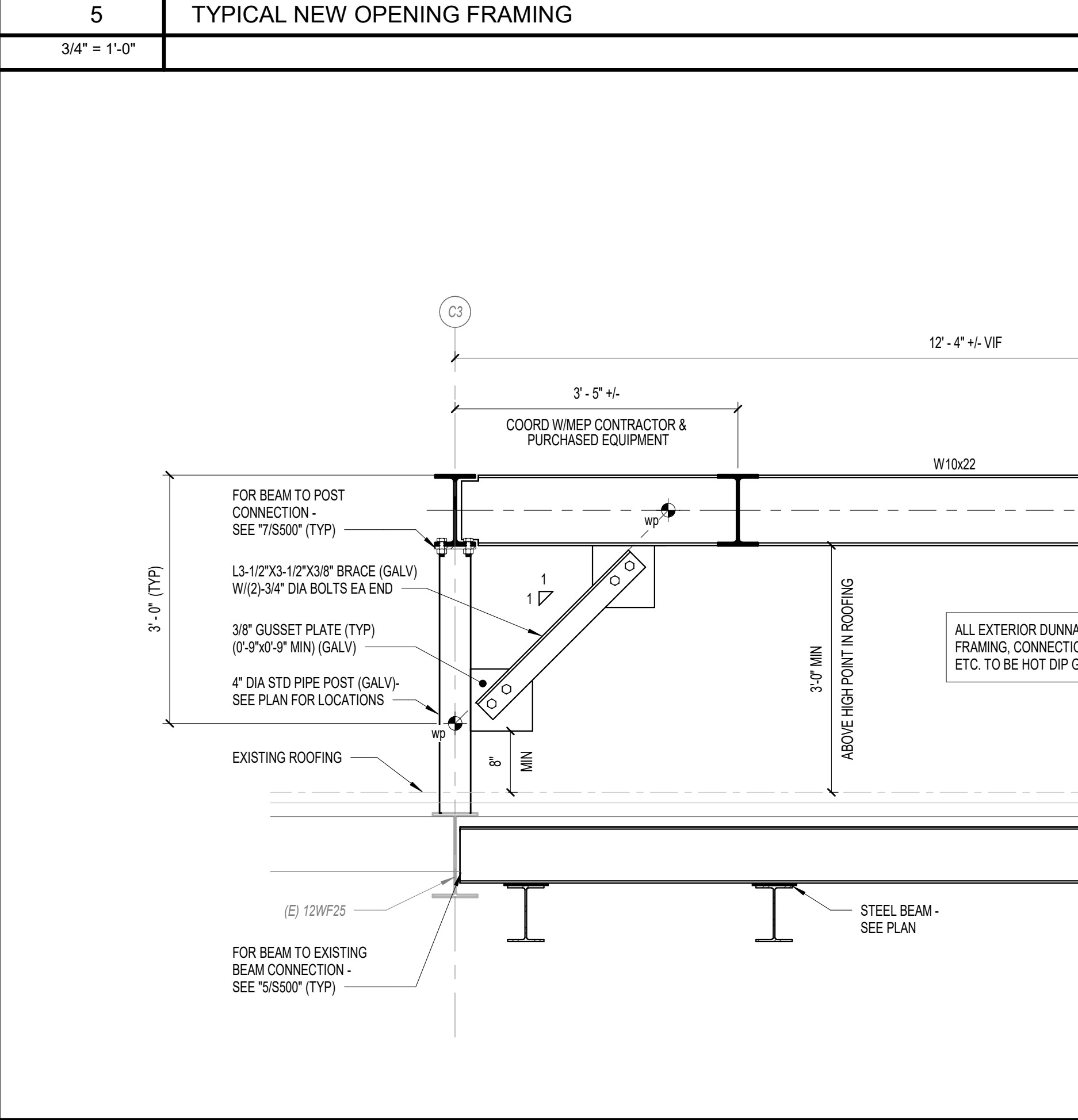
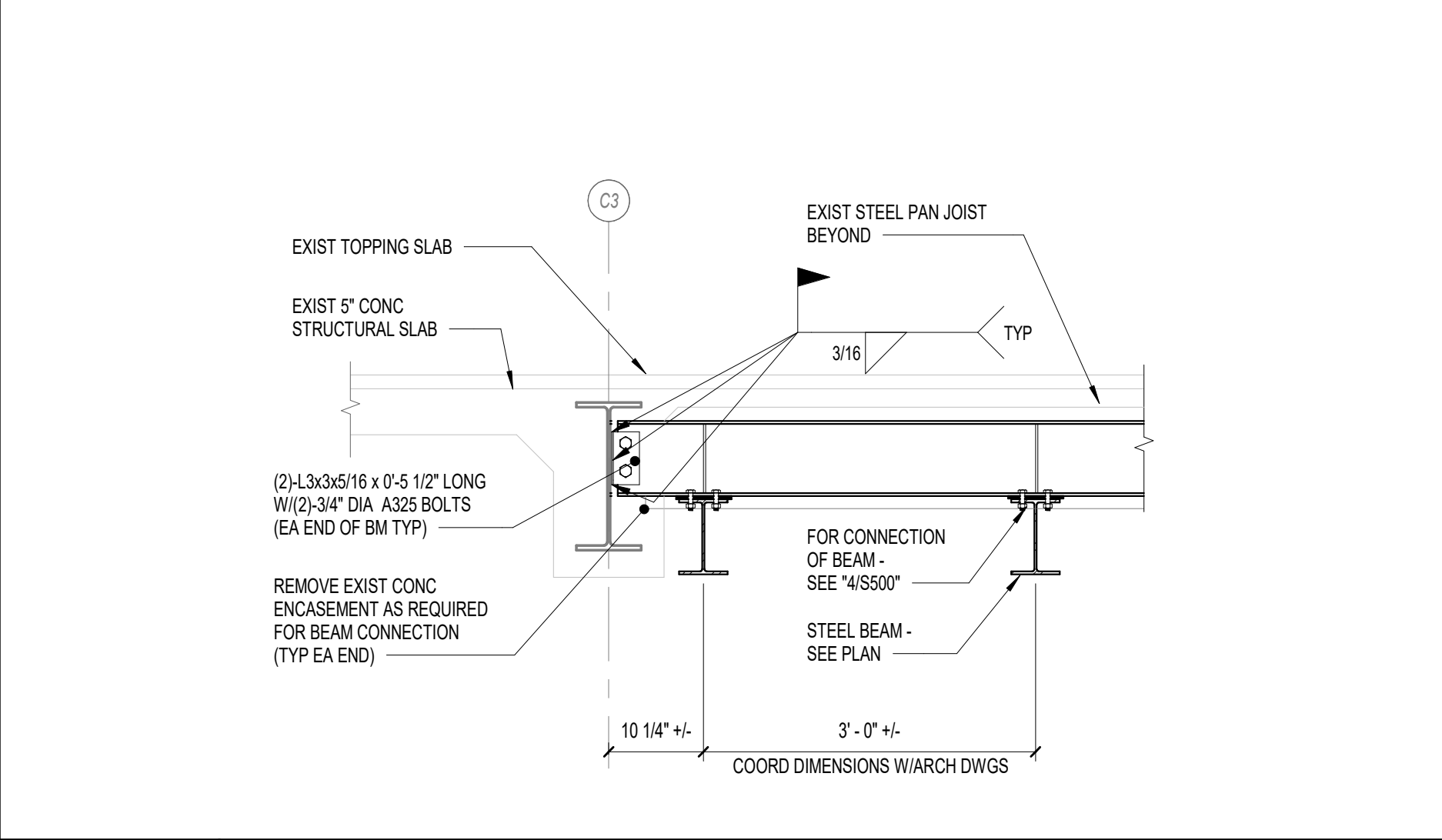
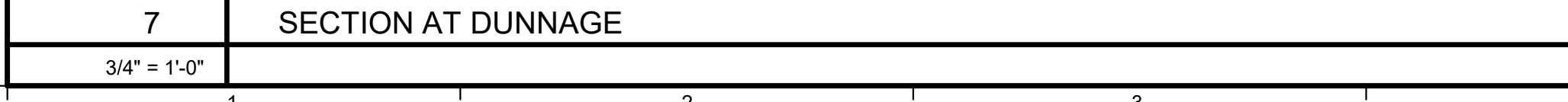
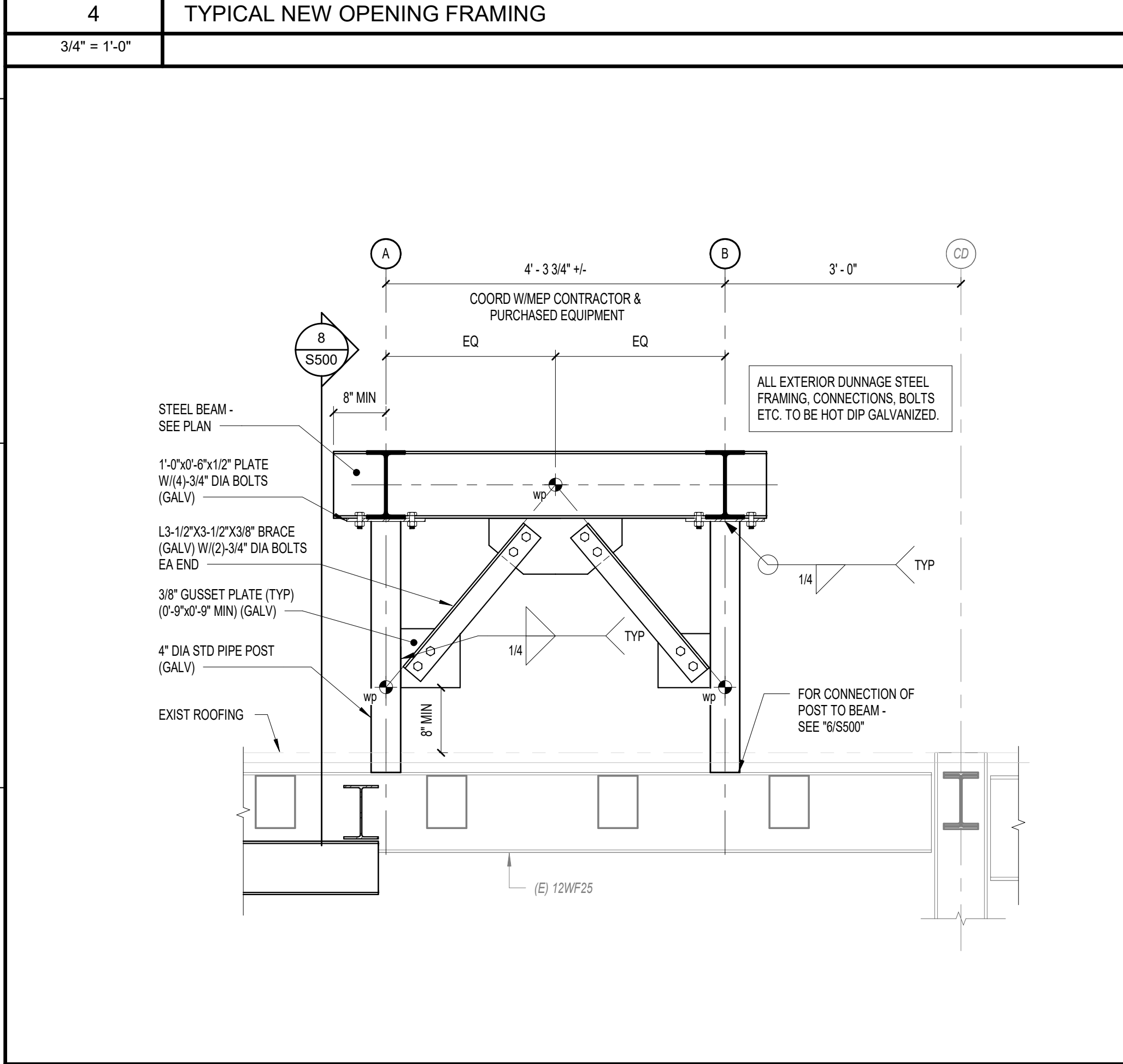
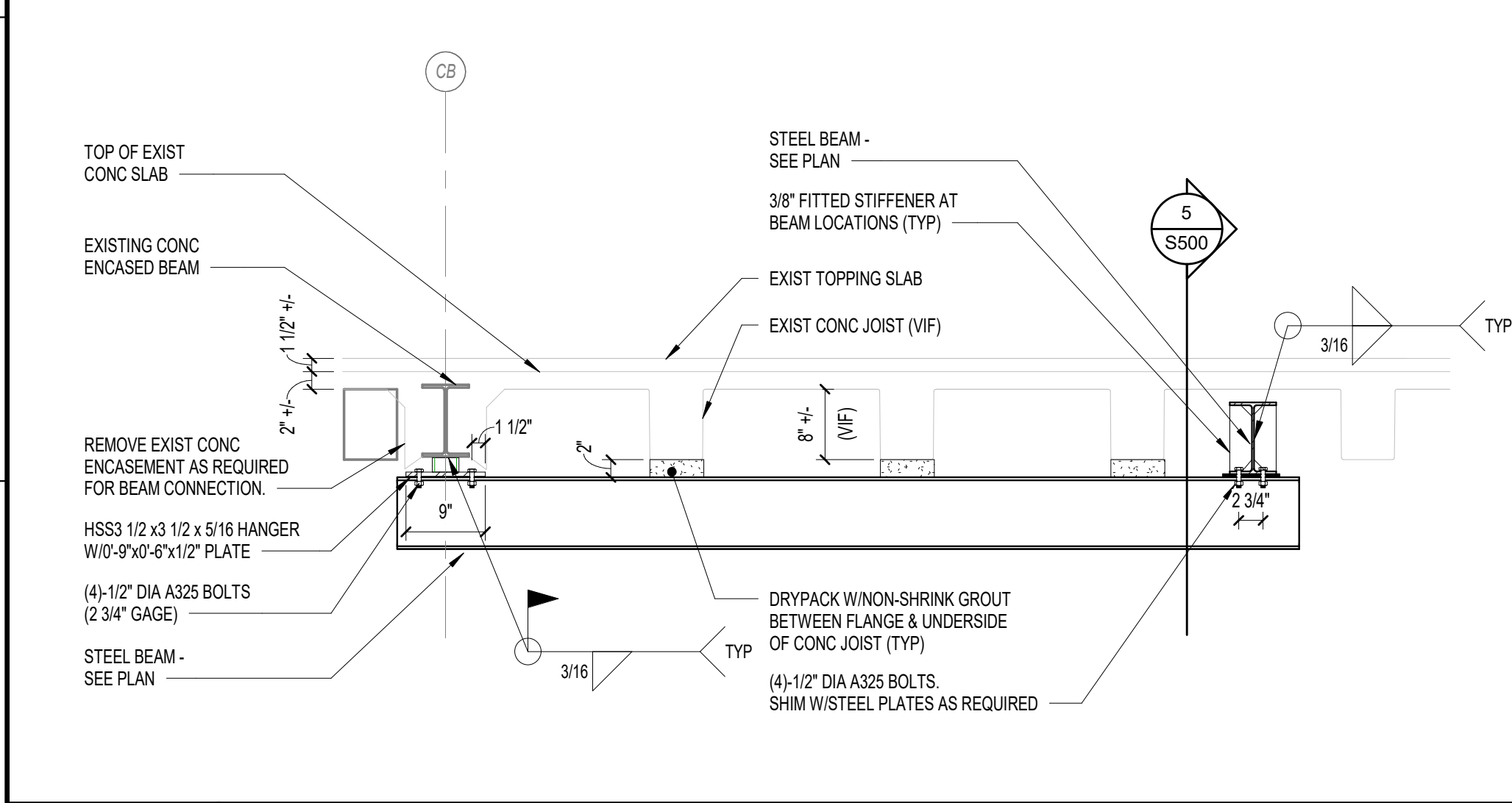
C

D

E

F

G



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



PROJECT NAME:

## MCJA - BUILDING C LIMITED RENOVATIONS

15 OAK GROVE RD  
VASSELBORO, ME 04989

SEAL:

THIS DRAWING IS THE PROPERTY OF SIMONS ARCHITECTS (SA) AND IS NOT TO BE COPIED OR REPRODUCED IN PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APRIL 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID - NOT FOR CONSTRUCTION

## STRUCTURAL DETAILS

# S500



Autodesk Docs\Maine Criminal Justice Academy\23030MEP\_P-000.rvt

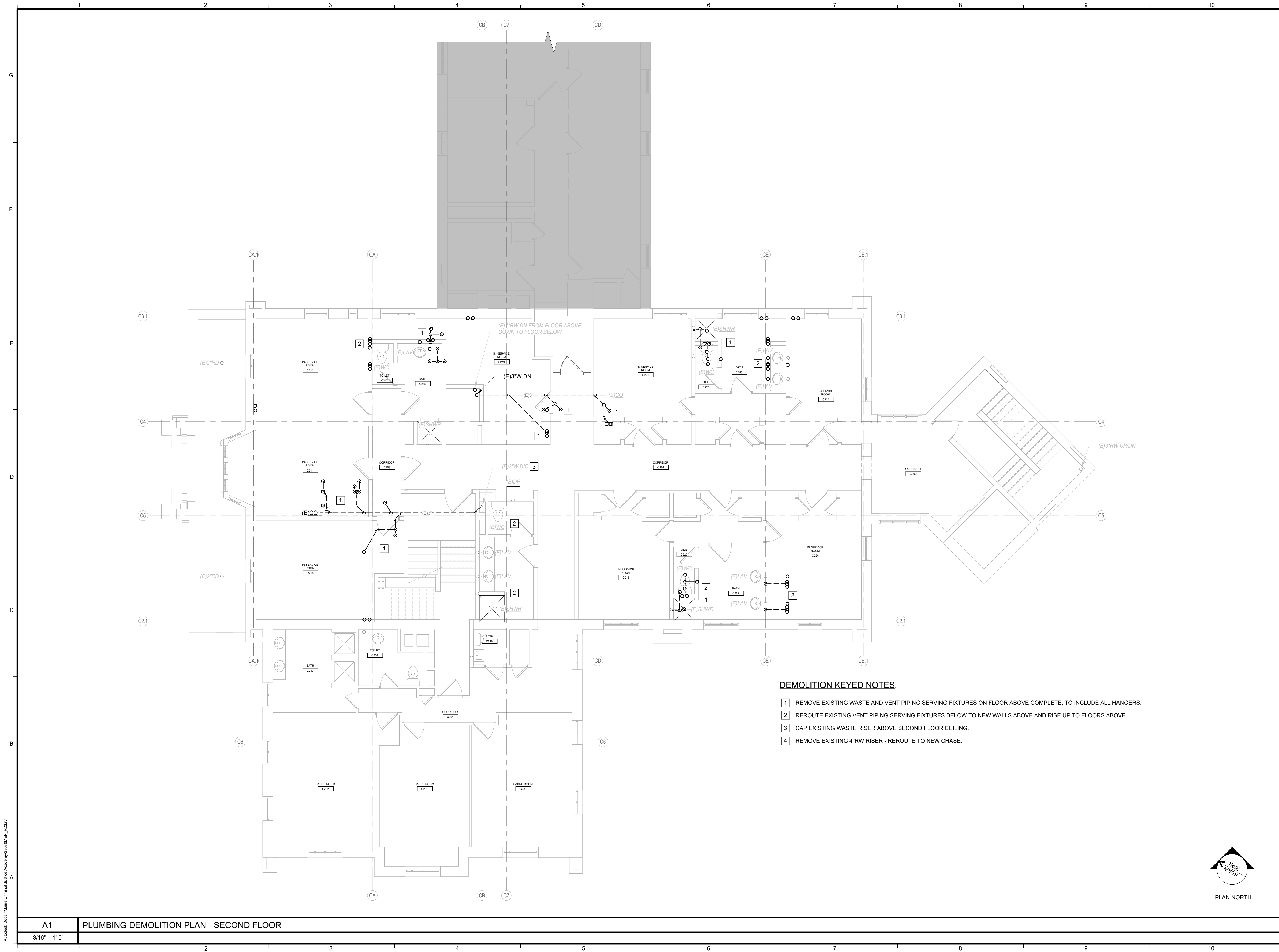
E1		SYMBOLS LEGEND																	
NONE																			

AW		ACID WASTE	LN		LIQUID NITROGEN	AAV		AUTOMATIC AIR VENT	CU		COPPER; CONDENSING UNIT	FM		FORCE MAIN	NIC		NOT IN CONTRACT	TTS		TIGHT TO STEEL
ATV		AIR RELIEF	LOX		LIQUID OXYGEN	AC		ABOVE CEILING	CUH		CABINET UNIT HEATER	GC		GENERAL CONTRACTOR	NPT		NATIONAL PIPE THREAD	TV		TURNING VANE
BBD		BOILER BLOWDOWN	LP		LIQUID PETROLEUM GAS	ACC		AIR COOLED CONDENSER	C.V.		CONTROL VALVE	GPM		GALLONS PER MINUTE	NTS		NOT TO SCALE	TW		TEMPERED WATER
C		CONDENSATE (HVAC DRAIN PAN)	LPR		LOW PRESSURE CONDENSATE	ACU		AIR CONDITIONING UNIT	CW		COLD WATER; CLOCKWISE	GRV		GRAVITY ROOF VENTILATOR	OBD		OPPOSED BLADE DAMPER	TYP		TYPICAL
CA		COMPRESSED AIR	LPS		LOW PRESSURE STEAM	ADA		AMERICANS WITH DISABILITIES ACT	DB		DRY BULB TEMPERATURE	H		HUMIDIFIER	OD		OUTSIDE DIAMETER	UH		UNIT HEATER
CHWR		CHILLED WATER RETURN	MA		MEDICAL AIR	AD		ACCESS DOOR	DC		DOUBLE CONTAINED	HB		HOSE BIBB	OED		OPEN ENDED DUCT	UIC		UP IN CHASE
CHWS		CHILLED WATER SUPPLY	MPR		MEDIUM PRESSURE CONDENSATE	AE		ACID EXHAUST	DDC		DIRECT DIGITAL CONTROL	HC; HDC		HANDICAP ACCESS	P-#		PLUMBING FIXTURE TAG	UIW		UP IN WALL
CTR		COOLING TOWER RETURN	MPS		MEDIUM PRESSURE STEAM	AW		ACID WASTE	DET		DETAIL	HGT; HT		HEIGHT	PD		PUMPED DISCHARGE	UV		UNIT VENTILATOR
CTS		COOLING TOWER SUPPLY	MUW		MAKE-UP WATER	AFF; A.F.F.		ABOVE FINISHED FLOOR	DIA		DIAMETER	HP		HEAT PUMP	PP		PROCESS PIPING	V		VENT
CWR		CONDENSER WATER RETURN	N2		NITROGEN	AHU		AIR HANDLING UNIT	DIC		DOWN IN CHASE	HRU		HEAT RECOVERY UNIT	PRS		PRESSURE REDUCING STATION	VAC		VACUUM
CWS		CONDENSER WATER SUPPLY	NG		NATURAL GAS	AP		ACCESS PANEL	DIW		DOWN IN WALL	HTR		HEATER	PRV		PRESSURE REDUCING VALVE	VB		VACUUM BREAKER
CWS		CONDENSER WATER SUPPLY	NO		NITROUS OXIDE	APPROX.		APPROXIMATE; APPROXIMATELY	DN		DOWN	H&V		HEATING AND VENTILATION	R		RETURN AIR	VCFF		VALVE & CAP FOR FUTURE
CWS		CONDENSER WATER SUPPLY	NPW		NON-POTABLE WATER	APMR		AS PER MFR'S RECOMMENDATIONS	DS		DOWNSPOUT	HVAC		HEATING, VENTILATING AND AIR COND.	RD		ROOF DRAIN	VD		VOLUME DAMPER - MANUAL
CWS		CONDENSER WATER SUPPLY	OX		OXYGEN	ATC		AUTOMATIC TEMPERATURE CONTROL	DT		DROP AND TRANSITION	HW		HOT WATER	REC		RECOMMENDATION	VDF		VALVE
CWS		CONDENSER WATER SUPPLY	PC		PUMPED CONDENSATE	AV		AIR VENT	DV		DRAIN VALVE	HWR		HOT WATER RETURN	REG		REGULAR	VSV		VENT STACK
CWS		CONDENSER WATER SUPPLY	PCWR		PROCESS COLD WATER RETURN	BC		BALANCING COCK	DWG		DRAWING	HWS		HOT WATER SUPPLY	RF		RETURN FAN	VTR		VENT TO ROOF
CWS		CONDENSER WATER SUPPLY	PCWS		PROCESS COLD WATER SUPPLY	BD		BACKDRAFT DAMPER	E		EXHAUST AIR	HX		HEAT EXCHANGER	RG		RETURN GRILLE	W		WASTE
CWS		CONDENSER WATER SUPPLY	RD		REFRIGERANT DISCHARGE	BG		BLAST GATE	EF		EXHAUST FAN	ID		INSIDE DIAMETER	RHC		REHEAT COIL	WI		WITH
CWS		CONDENSER WATER SUPPLY	RL		REFRIGERANT LIQUID	BF		BARRIER FREE	EG		EXHAUST GRILLE	IN WG		INCHES WATER GAUGE	RM		ROOM	WB		WET BULB TEMPERATURE, °F
CWS		CONDENSER WATER SUPPLY	RS		REFRIGERANT SUCTION	BFP		BACKFLOW PREVENTER	ELEV		ELEVATION	INCL.		INCLUDING	RPZ		REDUCED PRESSURE BFP	WCO		WALL CLEANOUT
CWS		CONDENSER WATER SUPPLY	RO		REVERSE OSMOSIS WATER	BHP		BRAKE HORSEPOWER	ELONG		ELONGATE	INV. EL.		INVERT ELEVATION	RR		RETURN REGISTER	WH		WATER HEATER
CWS		CONDENSER WATER SUPPLY	RW		RAIN WATER - ABOVE FLOOR	BLDG		BUILDING	ENC		ENCLOSURE	IPS		IRON PIPE SIZE	RV		RELIEF VALVE	WHYD		WALL HYDRANT
CWS		CONDENSER WATER SUPPLY	RW		RAIN WATER - BELOW GRADE	BOD		BOTTOM OF DUCT	ER		EXHAUST REGISTER	KE-#		KITCHEN EQUIPMENT NUMBER	RW		RAIN WATER	Ø		DIAMETER
CWS		CONDENSER WATER SUPPLY	RWO		RAIN WATER OVERFLOW - ABOVE FLOOR	BOD		BOTTOM OF DUCT	ERU		ENERGY RECOVERY UNIT	LD		LINEAR DIFFUSER	S		SUPPLY AIR	@		AT
CWS		CONDENSER WATER SUPPLY	RWO		RAIN WATER OVERFLOW - BELOW GRADE	BOD		BOTTOM OF DUCT	ESP		EXTERNAL STATIC PRESSURE	LE-#		SCIENCE LAB EQUIPMENT NUMBER	SA-"		SHOCK ABSORBER OF PDI SIZE ("") AS INDICATED	&		AND
CWS		CONDENSER WATER SUPPLY	SP		SPRINKLER MAIN PIPING	BOD		BOTTOM OF DUCT	ET		EXPANSION TANK	LP		LIQUID PETROLEUM GAS	SCV		SELF-CONTAINED VALVE	%		PERCENT
CWS		CONDENSER WATER SUPPLY	SWR		SOLAR WATER RETURN	BOD		BOTTOM OF DUCT	(E)		EXISTING	LPR		LOW PRESSURE STEAM RETURN	SD		SMOKE DAMPER			
CWS		CONDENSER WATER SUPPLY	SWS		SOLAR WATER SUPPLY	BOD		BOTTOM OF DUCT	F&T		FLOAT AND THERMOSTATIC	LPS		LOW PRESSURE STEAM SUPPLY	SF		SUPPLY FAN			
CWS		CONDENSER WATER SUPPLY	TP		TRAP PRIMER - ABOVE FLOOR	BOD		BOTTOM OF DUCT	FBO		FURNISHED BY OTHERS	MAX		MAXIMUM	SG		SUPPLY GRILLE			
CWS		CONDENSER WATER SUPPLY	TP		TRAP PRIMER - BELOW GRADE	BOD		BOTTOM OF DUCT	FBP		FACE AND BYPASS	MBH		1000 BTU/hr.	SGL		SINGLE			
CWS		CONDENSER WATER SUPPLY	TWR		TEMPERED WATER RETURN	BOD		BOTTOM OF DUCT	FC		FLEXIBLE CONNECTION	MFR		MANUFACTURER	SHT		SHEET			
CWS		CONDENSER WATER SUPPLY	TWS		TEMPERED WATER SUPPLY	BOD		BOTTOM OF DUCT	FCD		FLOOR CLEANOUT	MIN		MINIMUM	SPLR		SPRINKLER			
CWS		CONDENSER WATER SUPPLY	V		SANITARY SOIL VENT - ABOVE FLOOR	BOD		BOTTOM OF DUCT	FD-#		FLOOR DRAIN TAG	MOD		MOTOR OPERATED DAMPER	SQ. FT; SF		SQUARE FEET			
CWS		CONDENSER WATER SUPPLY	V		SANITARY SOIL VENT - BELOW GRADE	BOD		BOTTOM OF DUCT	FD		FIRE DAMPER	MPG		MEDIUM PRESSURE GAS	SR		SUPPLY REGISTER			
CWS		CONDENSER WATER SUPPLY	VAC		VACUUM (AIR)	BOD		BOTTOM OF DUCT	FDC		FIRE DEPT. CONNECTION	MPV		MULTI-PURPOSE VALVE	S/O		SHUT-OFF			
CWS		CONDENSER WATER SUPPLY	VPD		VACUUM PUMP DISCHARGE	BOD		BOTTOM OF DUCT	FIN		FINISH	MTD		MOUNTED	S.S.		STAINLESS STEEL			
CWS		CONDENSER WATER SUPPLY	W		SANITARY SOIL WASTE - ABOVE FLOOR	BOD		BOTTOM OF DUCT	FL; FLR		FLOOR	MTG		MOUNTING	TD		TRENCH DRAIN			
CWS		CONDENSER WATER SUPPLY	W		SANITARY SOIL WASTE - BELOW GRADE	BOD		BOTTOM OF DUCT	FP		FROST/FREEZE PROOF	MUA		MAKE UP AIR	TG		TRANSFER GRILLE			
CWS		CONDENSER WATER SUPPLY	W		SANITARY SOIL WASTE - BELOW GRADE	BOD		BOTTOM OF DUCT	FTG		FOOTING	N.C.		NORMALLY CLOSED	TOD		TOP OF DUCT			
CWS		CONDENSER WATER SUPPLY	W		SANITARY WET VENT - ABOVE FLOOR	BOD		BOTTOM OF DUCT	FTR		FINNED TUBE RADIATION	N.O.		NORMALLY OPEN	TP		TRAP PRIMER			
CWS		CONDENSER WATER SUPPLY	W		SANITARY WET VENT - BELOW GRADE	BOD		BOTTOM OF DUCT	FS		FLOW SWITCH	NG		NATURAL GAS	TSP		TOTAL STATIC PRESSURE			

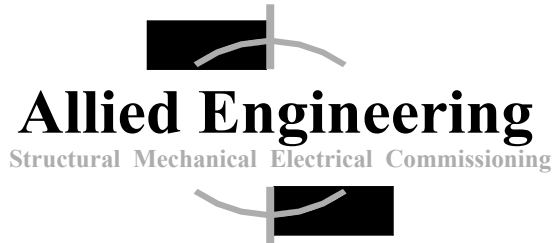
A1		PIPING LINETYPE LEGEND																	
NONE																			

A4		ABBREVIATIONS																	
NONE																			





75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.  
Allied Project No: 23030  
Cad File:

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
**NOT FOR  
CONSTRUCTION**

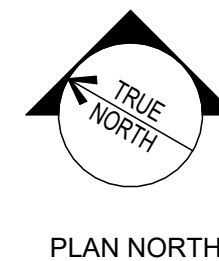
THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APRIL 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID - NOT  
FOR CONSTRUCTION

**PLUMBING  
DRAINAGE  
DEMOLITION PLAN -  
SECOND FLOOR**

**PD-102**





MCJA - BUILDING  
C LIMITED  
RENOVATIONS

15 OAK GROVE RD  
WASSALBORO, ME 04989

NOT FOR  
CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
© 2023 SCOTT SIMONS ARCHITECTS, LLC

## △ REVISIONS

STATUS: ISSUED FOR BID - NOT FOR CONSTRUCTION

# PLUMBING DRAINAGE DEMOLITION PLAN - THIRD FLOOR

# PD-103

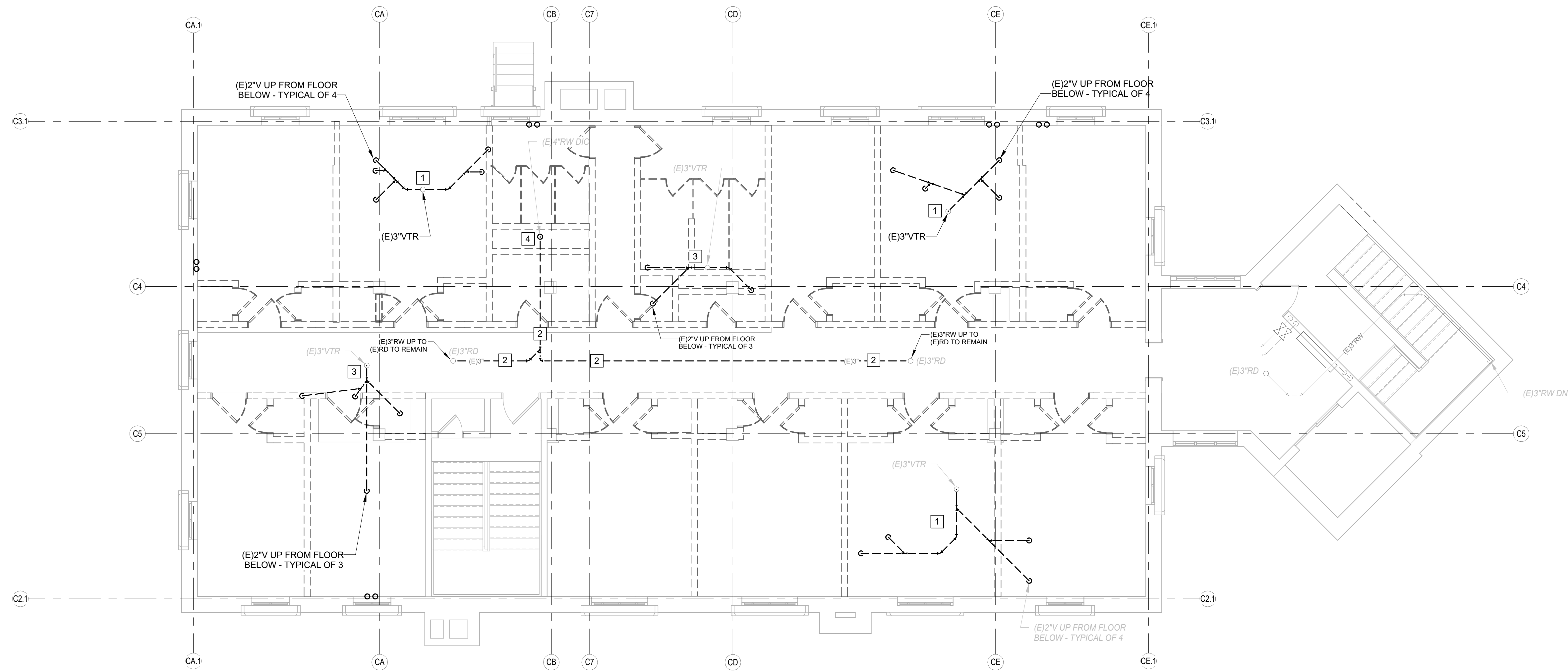


- 1 REMOVE EXISTING WASTE AND VENT PIPING COMPLETE, TO INCLUDE ALL HANGERS.
- 2 REROUTE EXISTING VENT PIPING SERVING FIXTURES BELOW TO NEW WALLS ABOVE AND RISE UP TO FLOORS ABOVE.
- 3 CAP EXISTING WASTE RISER ABOVE SECOND FLOOR CEILING.
- 4 REMOVE EXISTING 4"RW RISER - REROUTE TO NEW CHASE.





Autodesk Docs\\Maine Criminal Justice Academy\\23030MEP\_PD101.rvt



**DEMOLITION KEYED NOTES:**

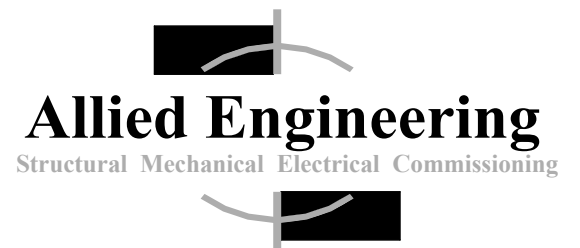
- 1 REMOVE EXISTING VENT PIPING COMPLETE, TO INCLUDE ALL HANGERS - CAP EXISTING VENT TO ROOF AIR TIGHT.
- 2 REMOVE EXISTING RW COMPLETE, TO INCLUDE ALL HANGERS AND SUPPORTS.
- 3 REMOVE EXISTING VENT PIPING COMPLETE, TO INCLUDE ALL HANGERS. EXISTING VENT TO ROOF TO REMAIN.
- 4 REMOVE ALL EXISTING PIPING IN CHASE COMPLETE, INCLUDING ALL HANGERS AND SUPPORTS.

**GENERAL DEMOLITION NOTES:**

REMOVE ALL PLUMBING FIXTURES AND ASSOCIATED PIPING, DOMESTIC & DWV PIPING FROM THIS FLOOR COMPLETE. TO INCLUDE ALL HANGERS AND SUPPORTS.



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No. 23030

Cad File:

PROJECT NAME:

**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

DD - ADDENDUM 1/23/2025

DATE OF ISSUE: APRIL 8, 2025

PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID - NOT  
FOR CONSTRUCTION

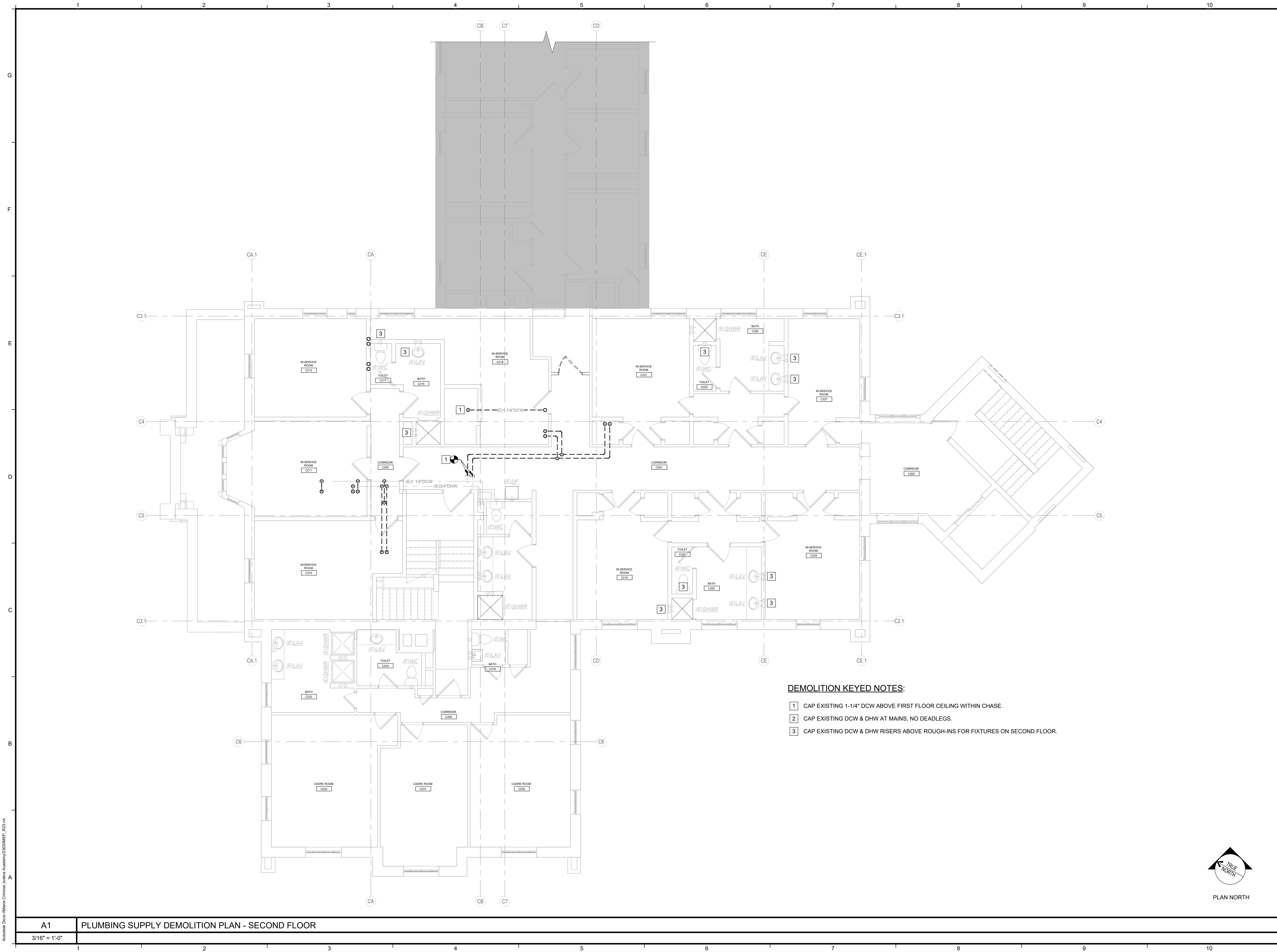
**PLUMBING  
DRAINAGE  
DEMOLITION PLAN -  
FOURTH FLOOR**

**PD-104**

A1 PLUMBING DEMOLITION PLAN - FOURTH FLOOR

3/16" = 1'-0"





DEMOLITION KEYED NOTES:

- 1 CAP EXISTING 1-1/4" DCW ABOVE FIRST FLOOR CEILING WITHIN CHASE.
- 2 CAP EXISTING DCW & DHW AT MAINS, NO DEADLEGS.
- 3 CAP EXISTING DCW & DHW RISERS ABOVE ROUGH-INS FOR FIXTURES ON SECOND FLOOR.

simons architects  
designed for human potential

75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656

Allied Engineering  
Structural Mechanical Electrical Commissioning

160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.  
Allied Project No: 23030  
Cad File:

PROJECT NAME:  
MCJA - BUILDING  
C LIMITED  
RENOVATIONS  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
NOT FOR  
CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

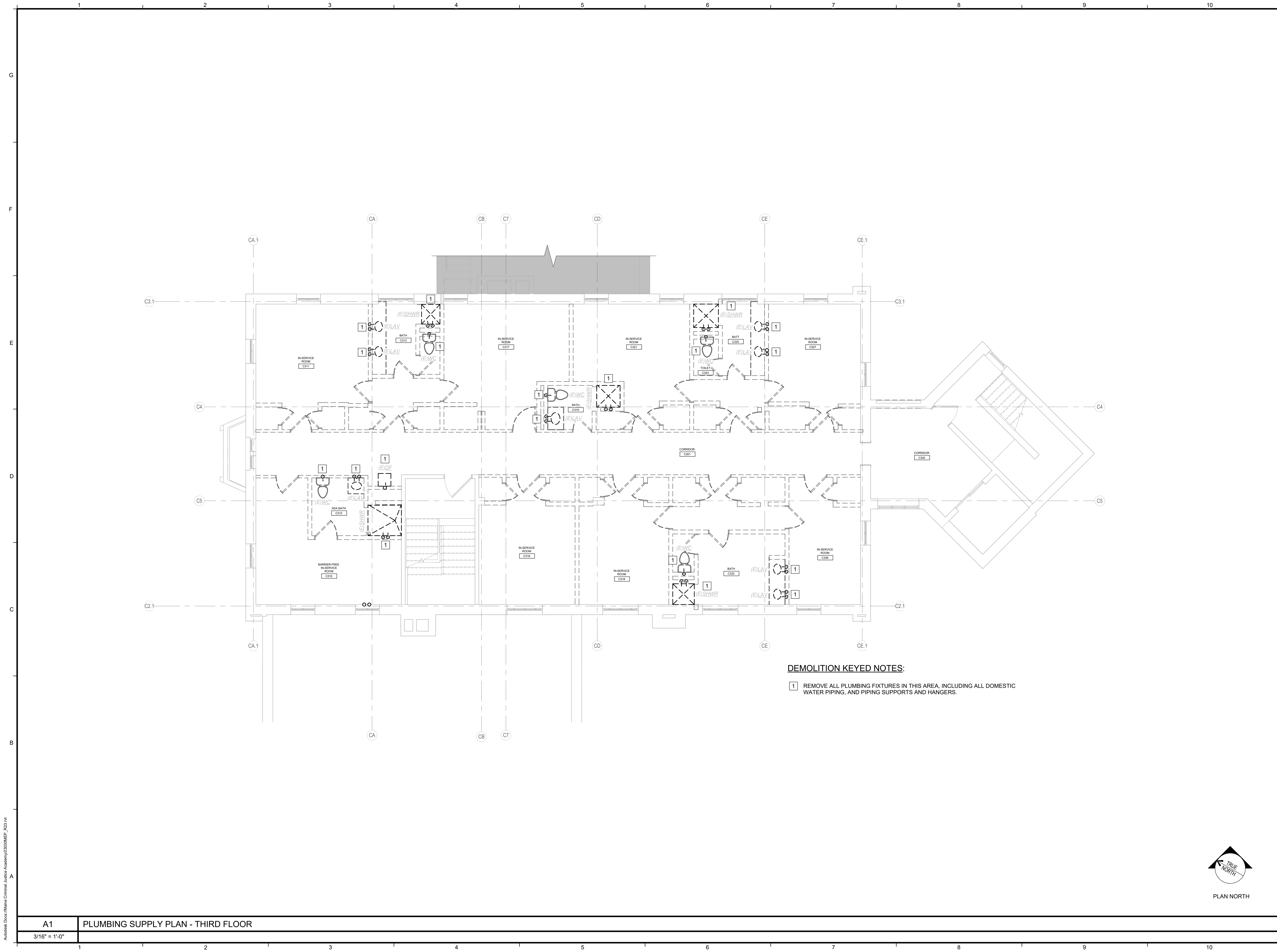
△ REVISIONS

DATE OF ISSUE: APRIL 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID - NOT  
FOR CONSTRUCTION

PLUMBING SUPPLY  
DEMOLITION PLAN -  
SECOND FLOOR

PD-202



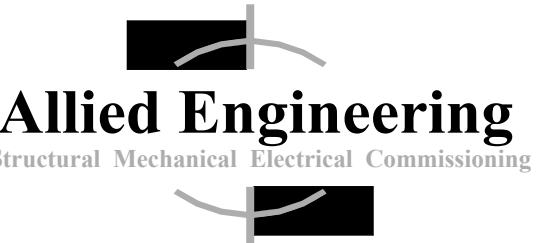


**DEMOLITION KEYED NOTES:**

1 REMOVE ALL PLUMBING FIXTURES IN THIS AREA, INCLUDING ALL DOMESTIC WATER PIPING, AND PIPING SUPPORTS AND HANGERS.



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.  
Allied Project No. 23030  
Cad File:

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

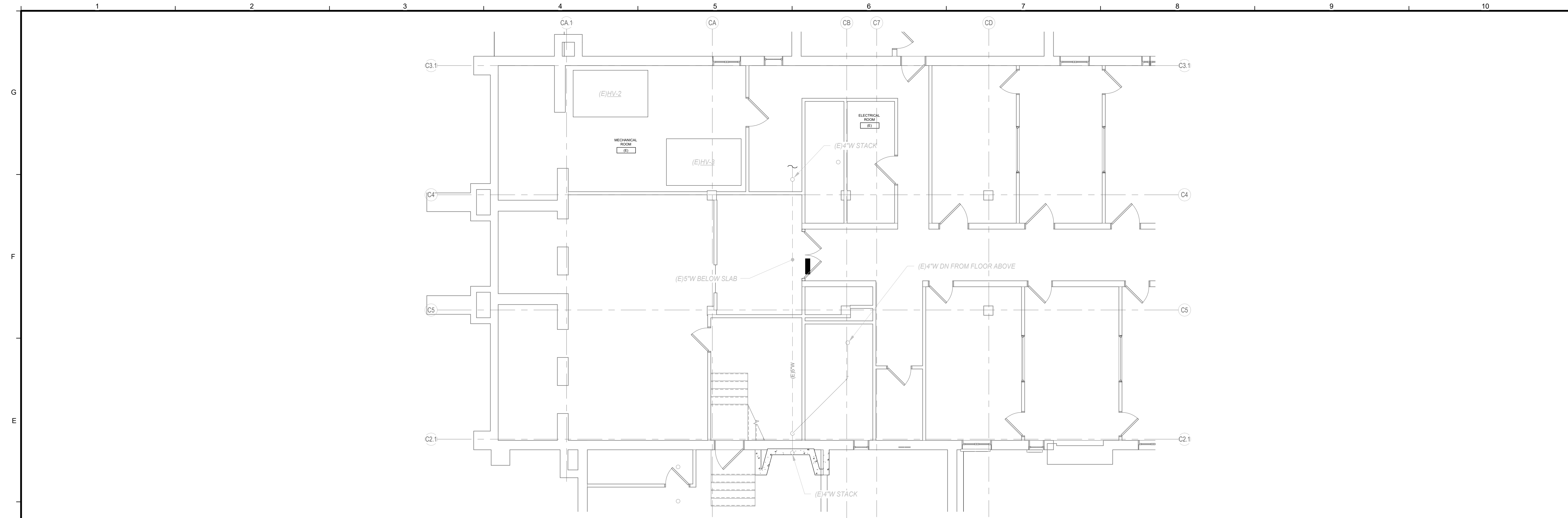
DATE OF ISSUE: APRIL 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID - NOT FOR CONSTRUCTION

**PLUMBING SUPPLY  
DEMOLITION PLAN -  
THIRD FLOOR**

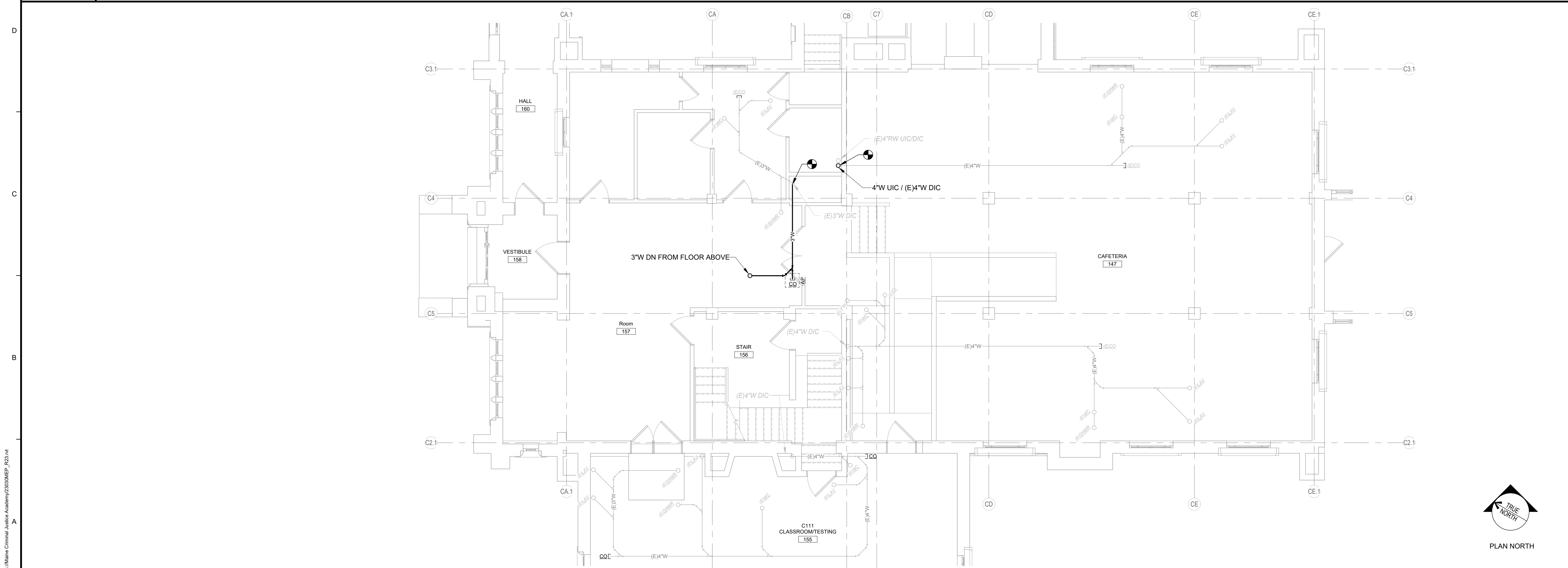
**PD-203**







D1	PLUMBING DRAINAGE DEMOLITION PART PLAN - BASEMENT LEVEL
3/16" = 1'-0"	

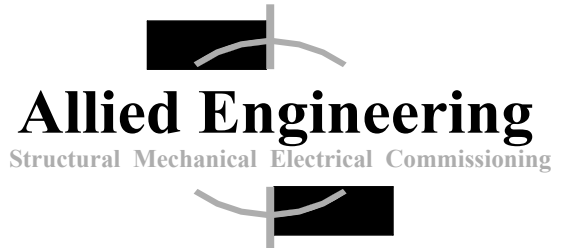


A1	PLUMBING DRAINAGE DEMOLITION PART PLAN - FIRST FLOOR
3/16" = 1'-0"	

Autodesk Docs\\Maine Criminal Justice Academy\\23030MEP\_P103.rvt



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.  
Allied Project No: 23030  
Cad File:

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

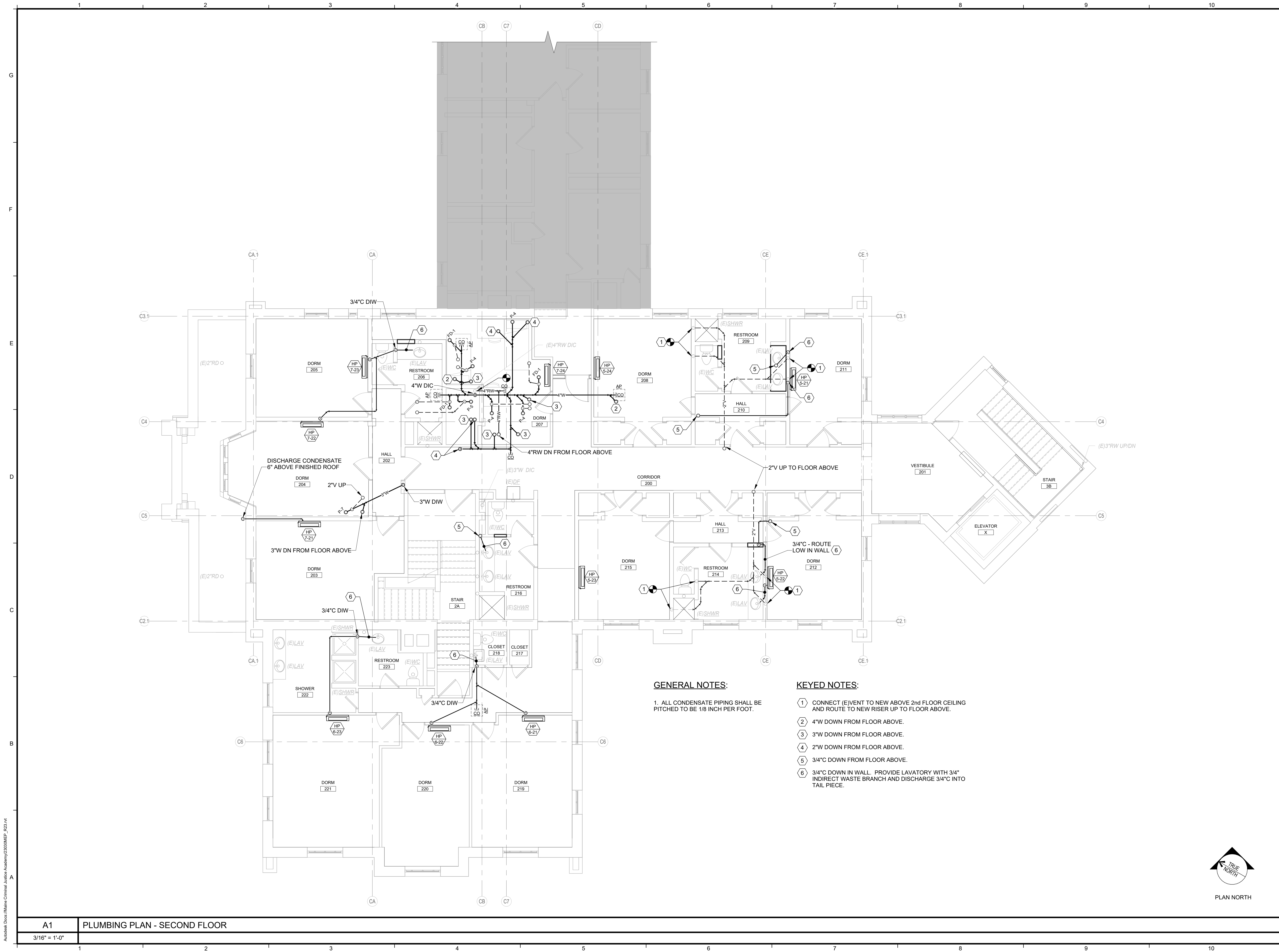
DATE OF ISSUE: **APRIL 8, 2025**  
PROJECT NUMBER: **2023-0070**  
STATUS: **ISSUED FOR BID - NOT  
FOR CONSTRUCTION**

**PLUMBING  
DRAINAGE PART  
PLANS**

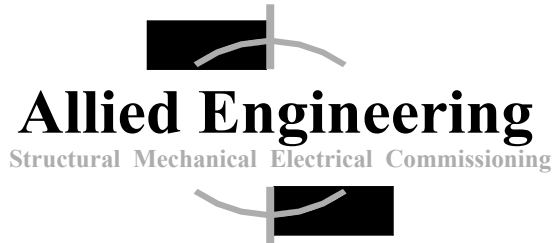
**P-101**







75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.  
Allied Project No: 23030  
Cad File:

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APRIL 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID - NOT FOR CONSTRUCTION

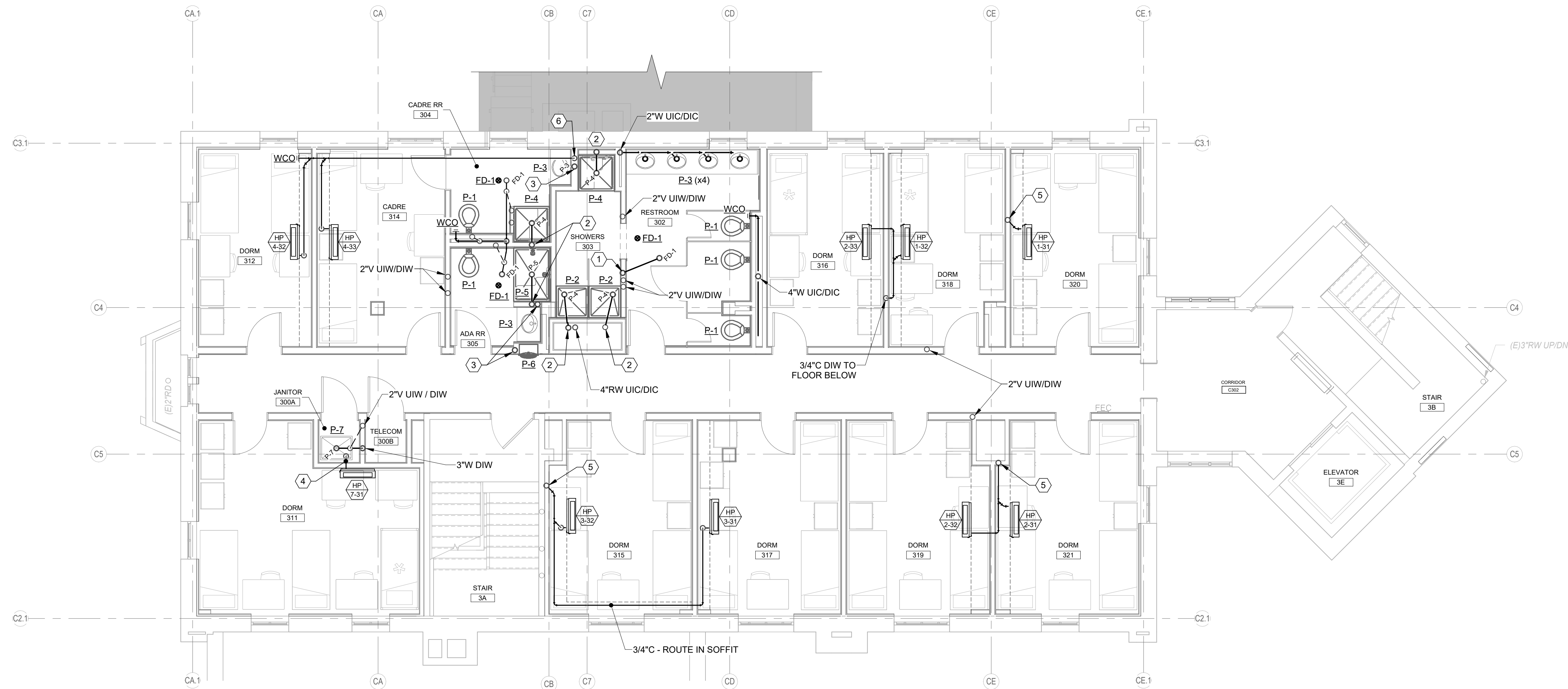
**PLUMBING  
DRAINAGE PLAN -  
SECOND FLOOR**

**P-102**





Autodesk Docs/ Maine Criminal Justice Academy/23030MEP\_P103.rvt



GENERAL NOTES:

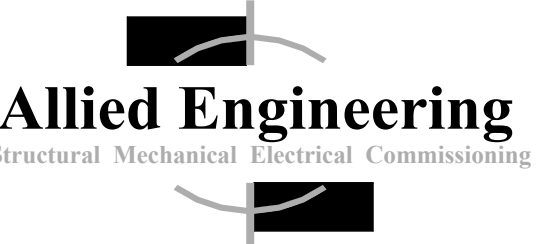
1. ALL CONDENSATE PIPING SHALL BE PITCHED TO BE 1/8 INCH PER FOOT.

KEYED NOTES:

- 1 3"W DOWN IN WALL TO FLOOR BELOW, 2"V UP IN WALL TO FLOOR ABOVE.
- 2 3"W DOWN IN WALL TO FLOOR BELOW, 3"W UP IN WALL TO FLOOR ABOVE.
- 3 2"W DOWN IN WALL TO FLOOR BELOW, 2"W UP IN WALL TO FLOOR ABOVE.
- 4 DISCHARGE CONDENSATE AT JANITOR 300A MOP BASIN AS INDIRECT WASTE IN ACCORDANCE WITH MAINE PLUMBING CODE.
- 5 3/4"C UP IN WALL TO FLOOR ABOVE, DOWN IN WALL TO FLOOR BELOW.
- 6 3/4"C DOWN IN WALL. PROVIDE LAVATORY WITH 3/4" INDIRECT WASTE BRANCH AND DISCHARGE 3/4" INTO TAIL PIECE.



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.  
Allied Project No: 23030  
Cad File:

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APRIL 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID - NOT FOR CONSTRUCTION

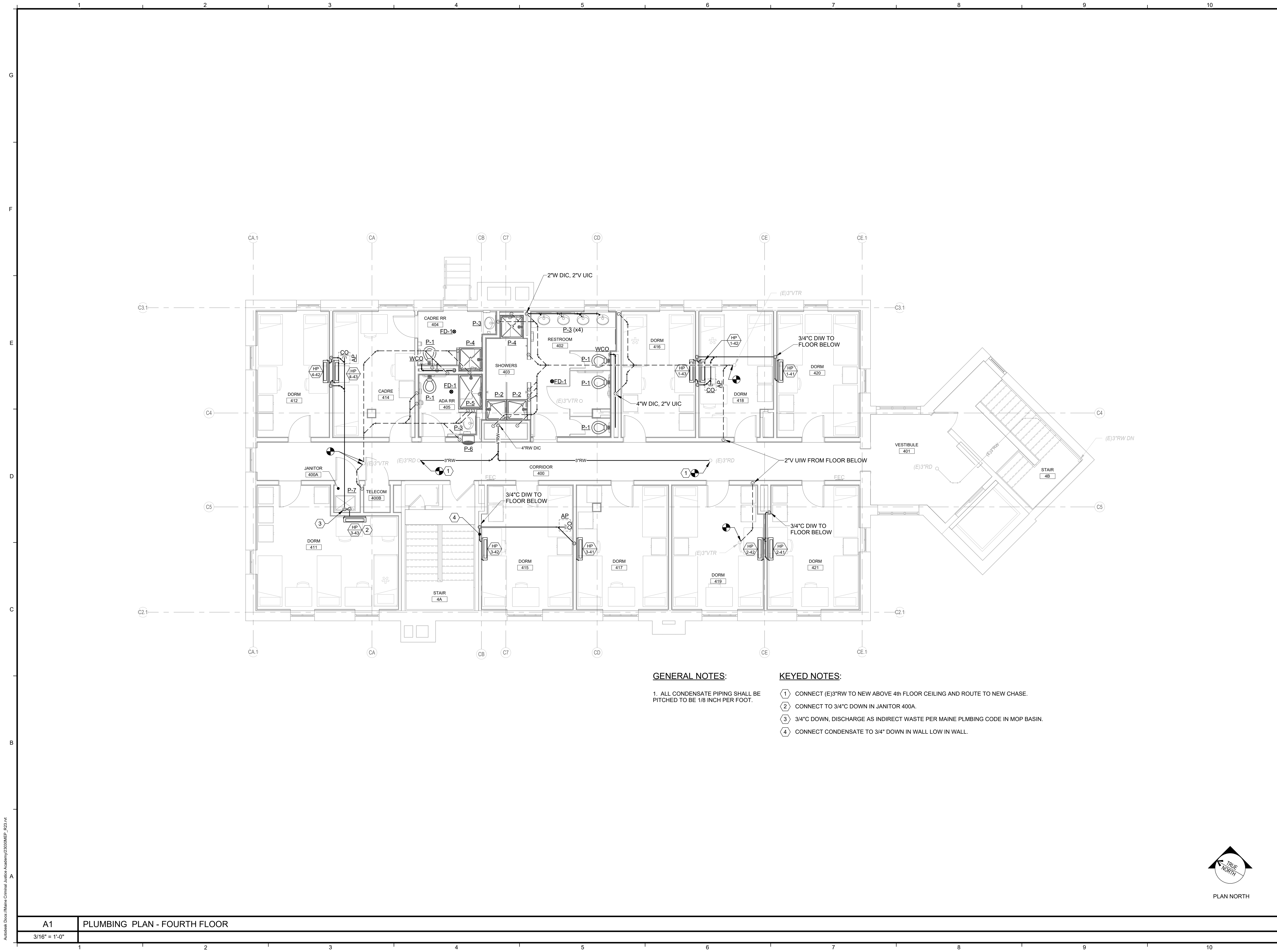
**PLUMBING  
DRAINAGE PLAN -  
THIRD FLOOR**

**P-103**

A1 PLUMBING PLAN - THIRD FLOOR

3/16" = 1'-0"





GENERAL NOTES:

1. ALL CONDENSATE PIPING SHALL BE  
PITCHED TO BE 1/8 INCH PER FOOT.

KEYED NOTES:

- 1. CONNECT (E)3"RW TO NEW ABOVE 4th FLOOR CEILING AND ROUTE TO NEW CHASE.
- 2. CONNECT TO 3/4" C DOWN IN JANITOR 400A.
- 3. 3/4" C DOWN, DISCHARGE AS INDIRECT WASTE PER MAINE PLMBING CODE IN MOP BASIN.
- 4. CONNECT CONDENSATE TO 3/4" DOWN IN WALL LOW IN WALL.

simons architects  
designed for human potential

75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656

Allied Engineering  
Structural Mechanical Electrical Commissioning

160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No: 23030

Cad File:

PROJECT NAME:

MCJA - BUILDING  
C LIMITED  
RENOVATIONS

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

NOT FOR  
CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

REVISIONS

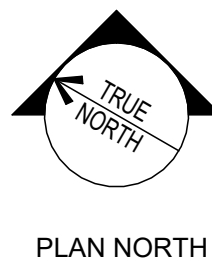
DD - ADDENDUM 1/23/2025

DATE OF ISSUE: APRIL 8, 2025

PROJECT NUMBER: 2023-0070

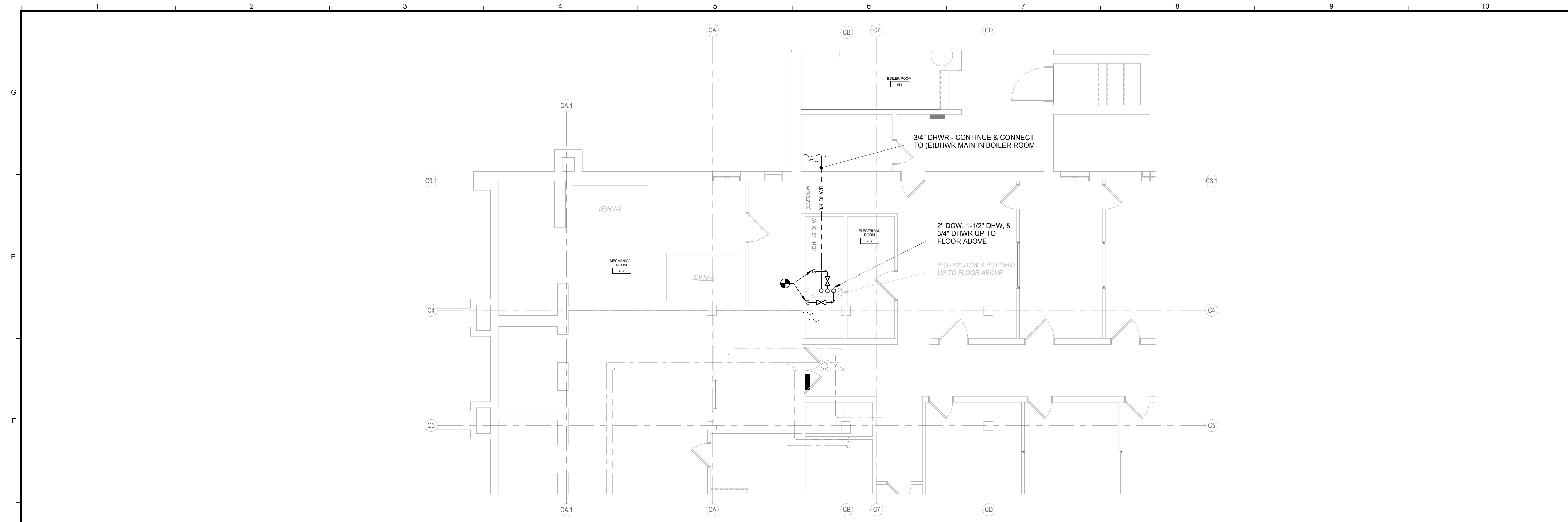
STATUS: ISSUED FOR BID - NOT  
FOR CONSTRUCTION

PLUMBING  
DRAINAGE PLAN -  
FOURTH FLOOR

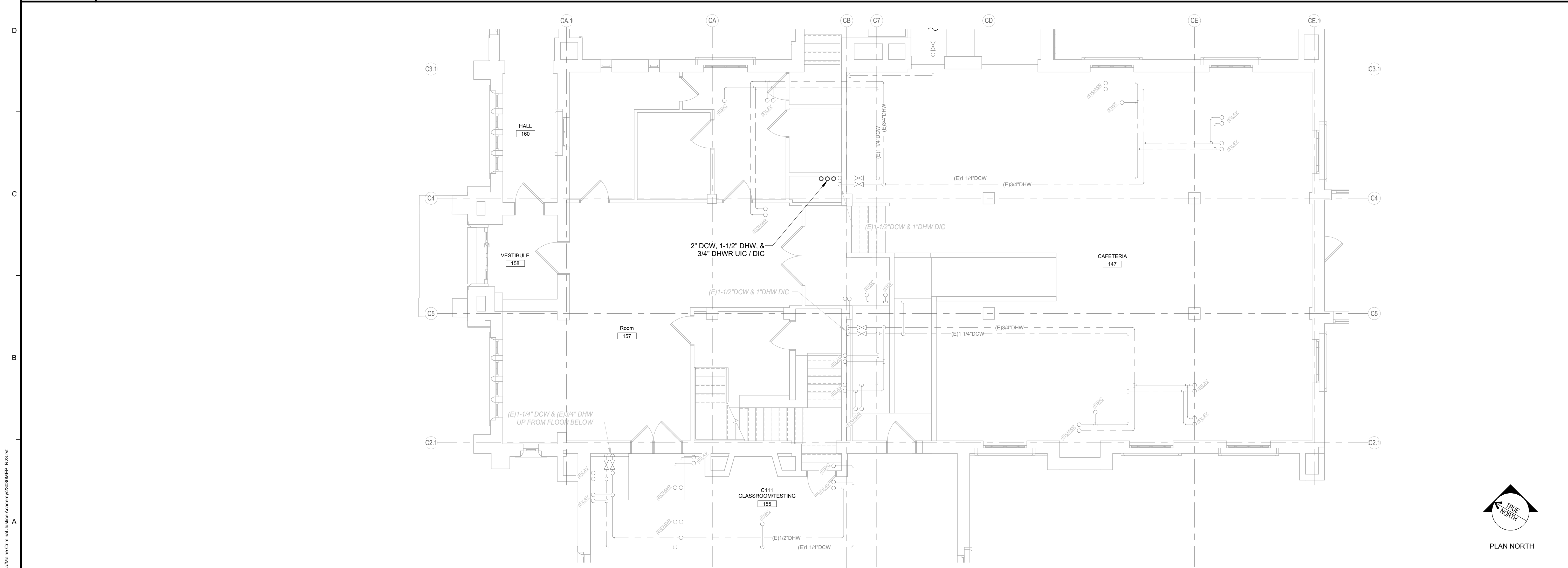


P-104





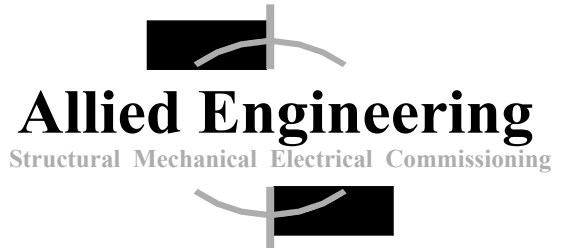
D1	PLUMBING SUPPLY PART PLAN - BASEMENT LEVEL
3/16" = 1'-0"	



A1	PLUMBING SUPPLY PART PLAN - FIRST FLOOR
3/16" = 1'-0"	



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.  
Allied Project No. 23030  
Cad File:

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

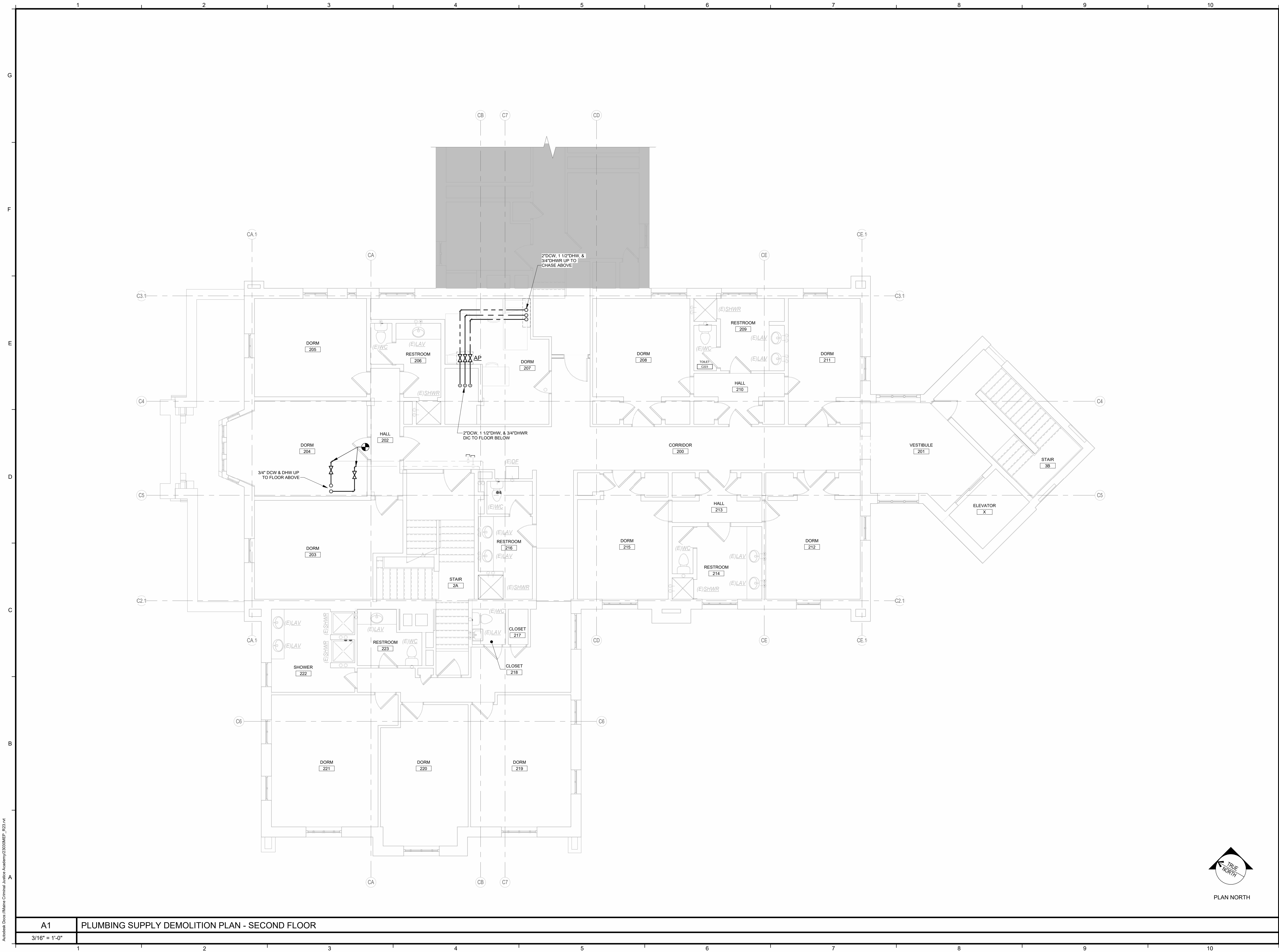
DATE OF ISSUE: **APRIL 8, 2025**  
PROJECT NUMBER: **2023-0070**  
STATUS: **ISSUED FOR BID - NOT  
FOR CONSTRUCTION**

**PLUMBING SUPPLY  
PART PLANS**

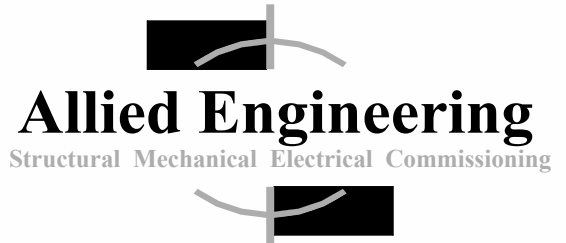
**P-201**







75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No. 23030

Cad File:

PROJECT NAME:

# MCJA - BUILDING C LIMITED RENOVATIONS

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

## NOT FOR CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

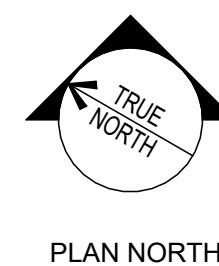
DATE OF ISSUE: APRIL 8, 2025

PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID - NOT  
FOR CONSTRUCTION

## PLUMBING SUPPLY PLAN - SECOND FLOOR

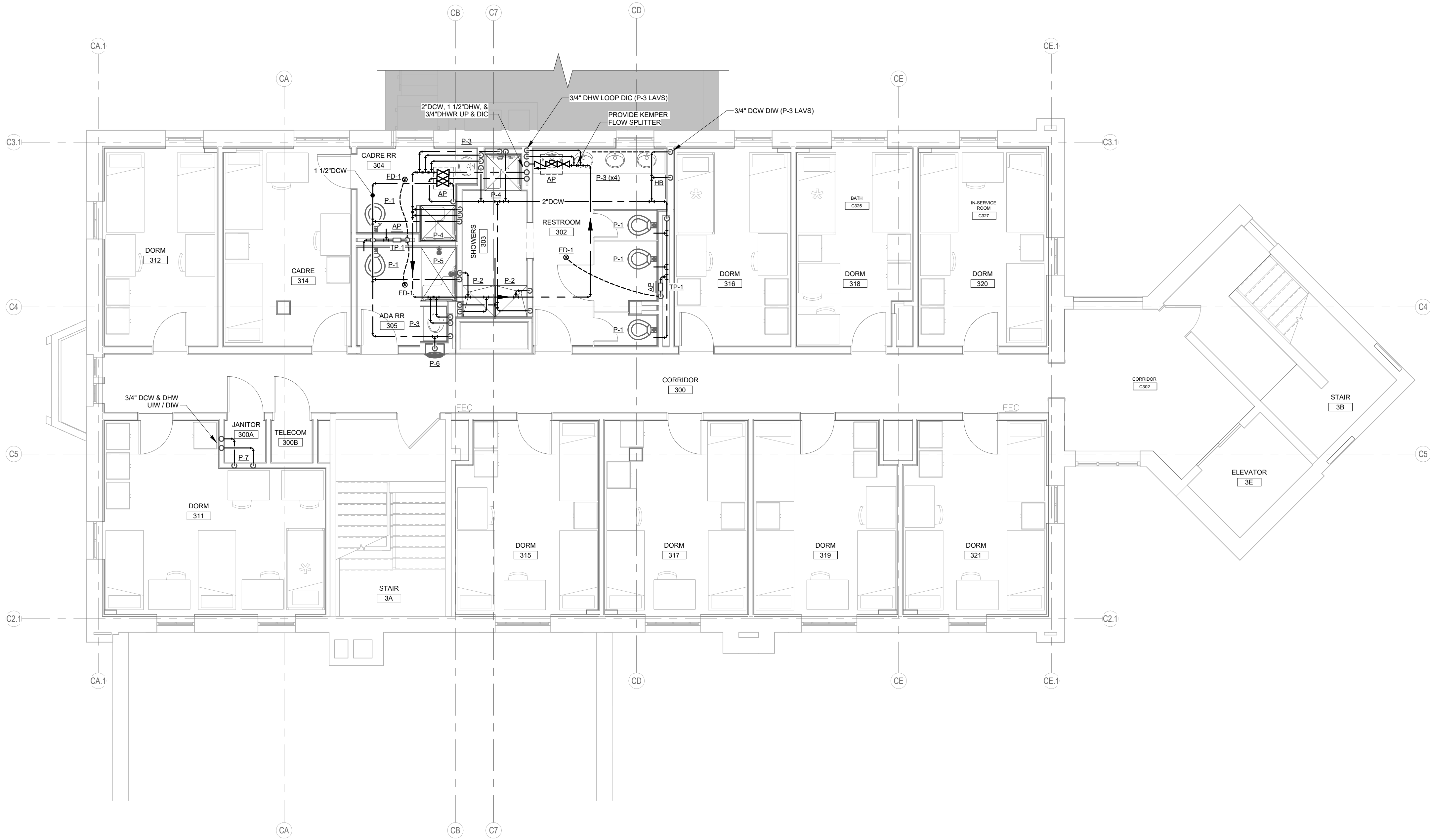
# P-202





Autodesk Docs\\Maine Criminal Justice Academy\\2303\\MEP\\P-203.rvt

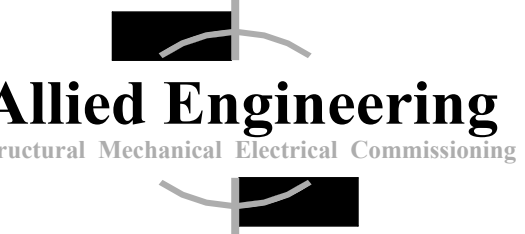
PLUMBING FIXTURE & EQUIPMENT ROUGH-IN SCHEDULE						
TAG	DESCRIPTION	BRANCH SIZES				NOTES
		CW	HW	VENT	WASTE	
P-1	WATER CLOSET - FLUSH VALVE, WALL MOUNTED - WALL OUTLET	1/2"	-----	2"	3"	
P-2	SHOWER - TRANSFER 32" x 32"	1/2"	1/2"	1 1/2"	2"	
P-3	LAVATORY	1/2"	1/2"	1 1/2"	1 1/2"	2"V FOR WET VENTED BATHROOM GROUPS, PROVIDE ASSE 1070 MIXING VALVE
P-4	SHOWER - TRANSFER 36" x 36"	1/2"	1/2"	1 1/2"	2"	
P-5	SHOWER - TRANSFER 54" x 36"	1/2"	1/2"	1 1/2"	2"	
P-6	DRINKING FOUNTAIN	1/2"	-----	1 1/2"	1 1/2"	115/1/60, 4.4 FLA
P-7	MOP BASIN	3/4"	3/4"	3/4"	3"	
HB	HOSE BIBB	1/2"	-----	-----	-----	
FD-1	FLOOR DRAIN - FINISHED AREAS	3/8"	-----	1 1/2"	2"	PROVIDE TRAP PRIMER





simons architects  
designed for human potential

75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



Allied Engineering  
Structural Mechanical Electrical Commissioning

160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.  
Allied Project No: 23030  
Cad File:

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
**NOT FOR  
CONSTRUCTION**

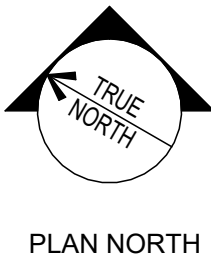
THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE:    **APRIL 8, 2025**  
PROJECT NUMBER:    **2023-0070**  
STATUS:            ISSUED FOR BID - NOT  
                      FOR CONSTRUCTION

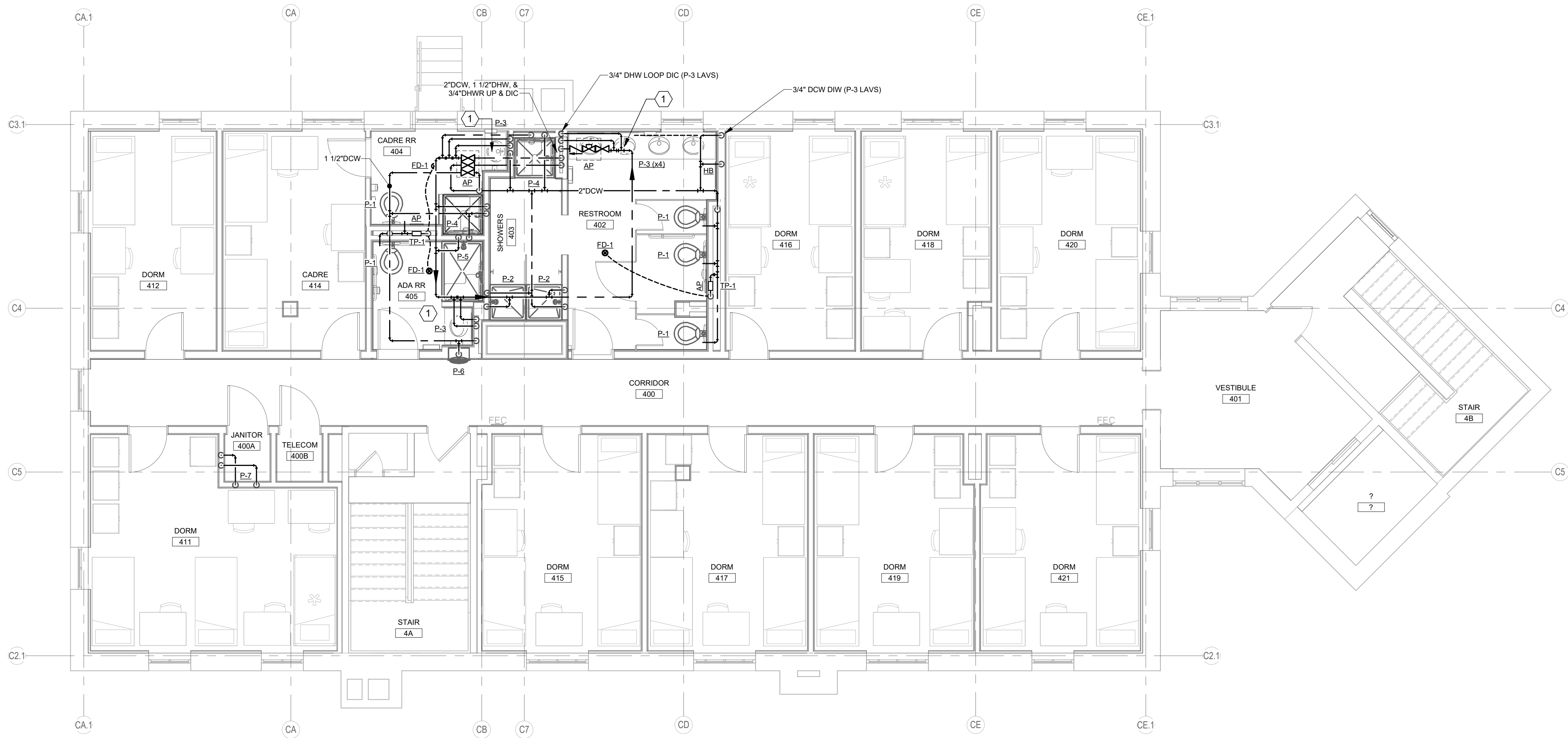
**PLUMBING SUPPLY  
PLAN - THIRD  
FLOOR**

**P-203**



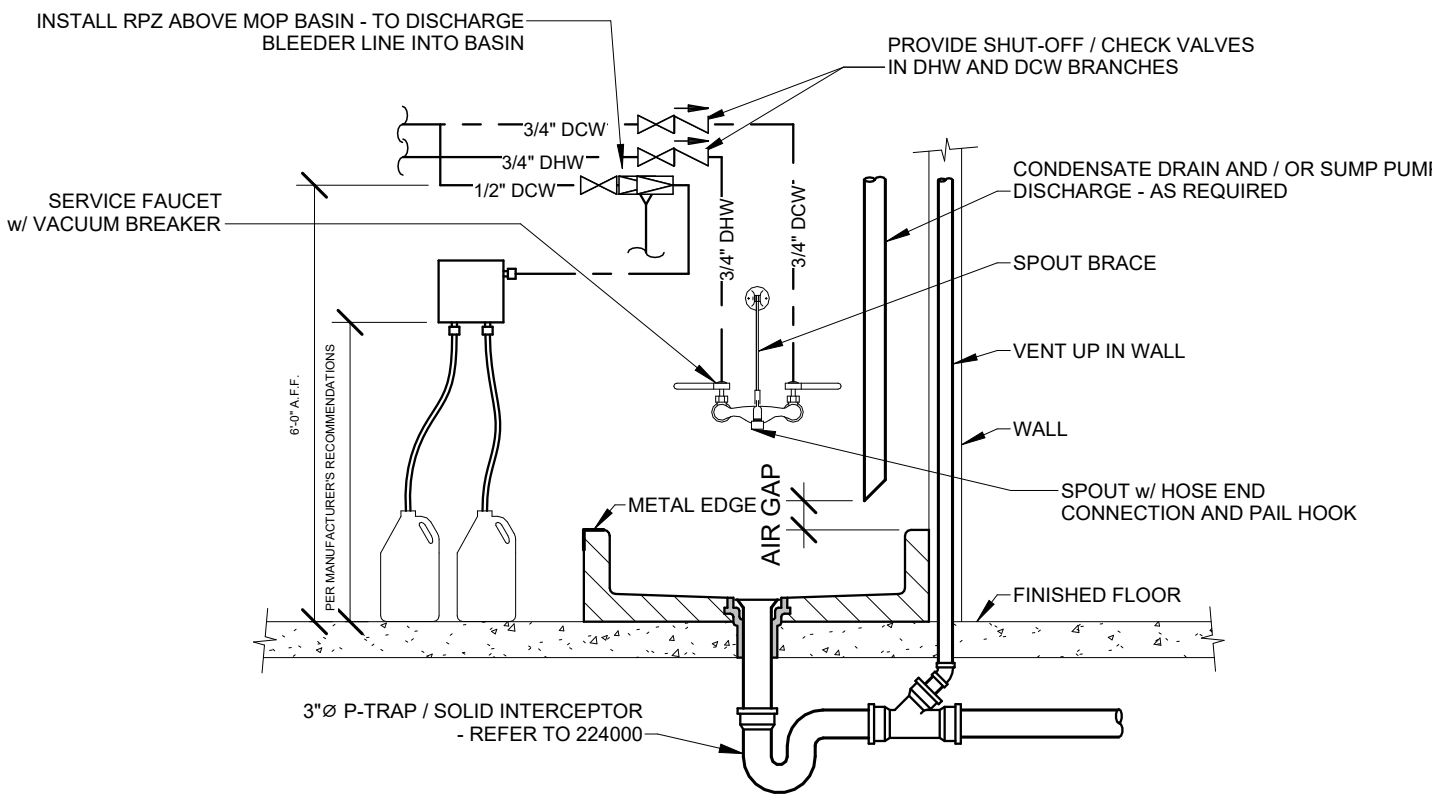


Autodesk Docs\\Maine Criminal Justice Academy\\2303\\MEP\\P23.rvt



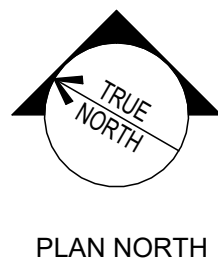
KEYED NOTES:

- (1) PROVIDE KEMPER FLOW SPLITTER.
- (2) 3/4\"/>

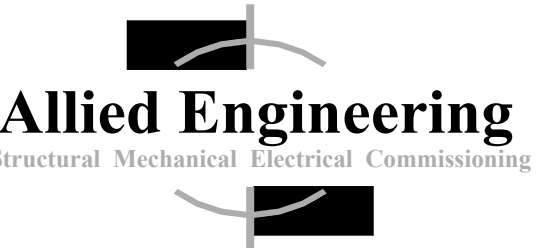


F7 MOP BASIN PIPING DIAGRAM

6" = 1'-0"



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No: 23030

Cad File:

PROJECT NAME:

MCJA - BUILDING  
C LIMITED  
RENOVATIONS

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

NOT FOR  
CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APRIL 8, 2025

PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID - NOT  
FOR CONSTRUCTION

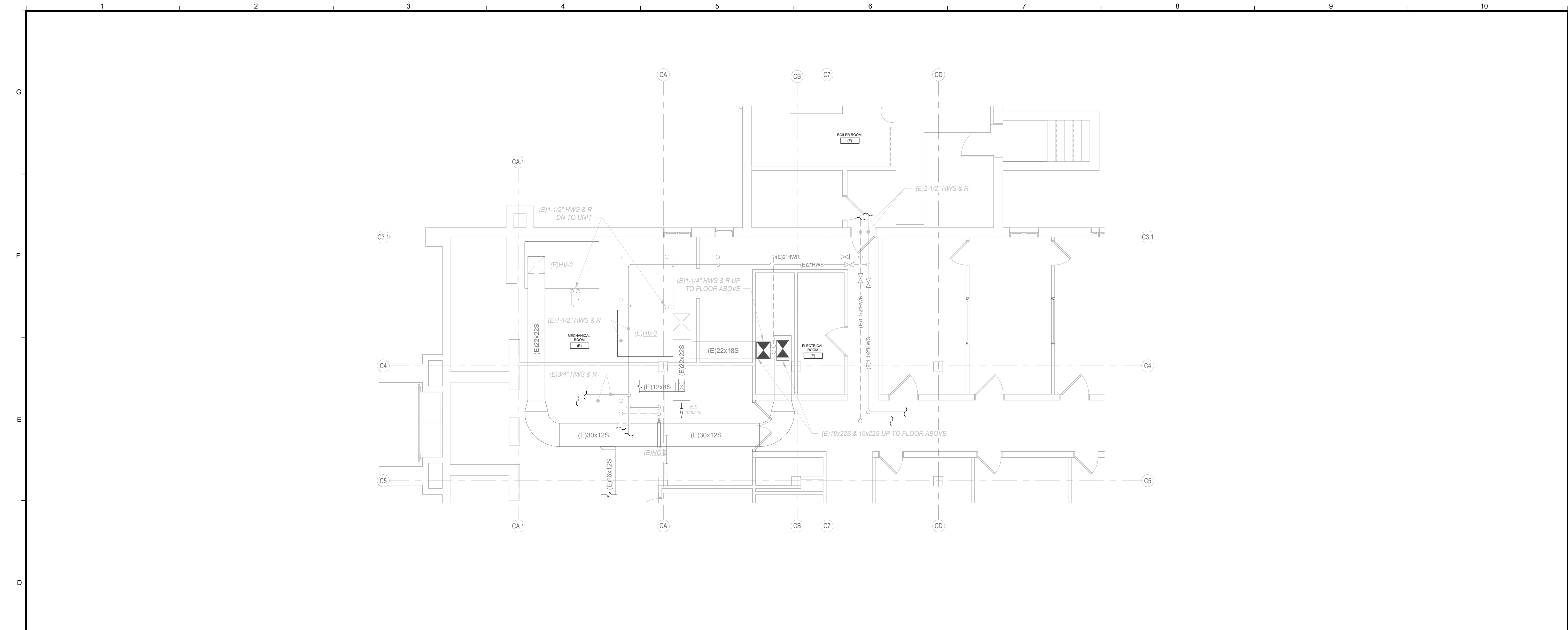
PLUMBING SUPPLY  
PLAN - FOURTH  
FLOOR

P-204

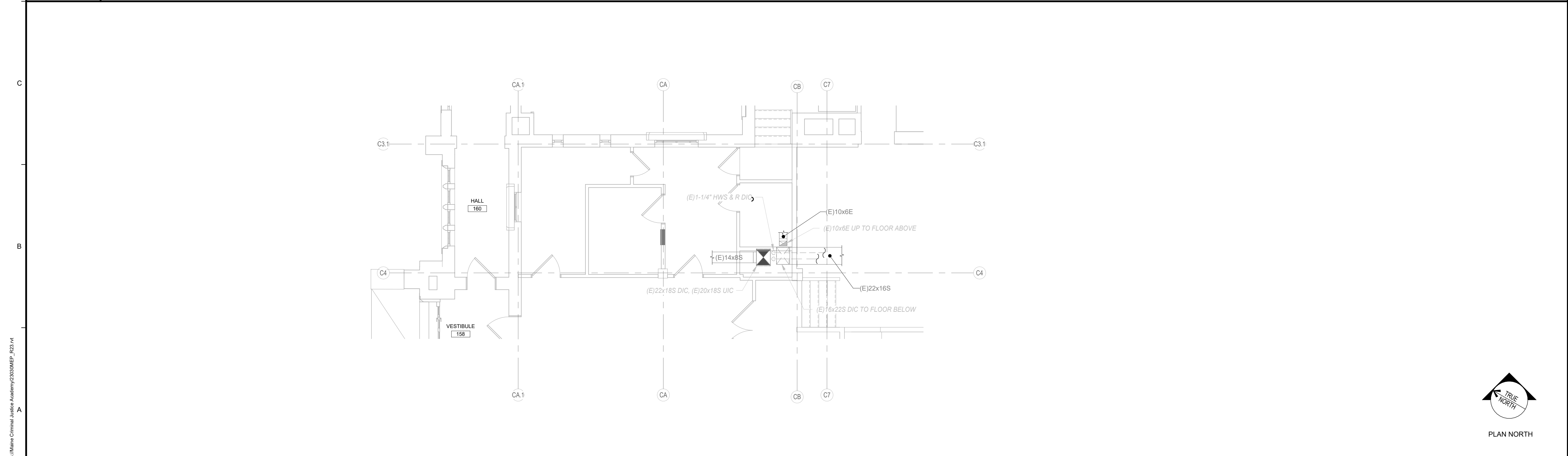
A1 PLUMBING SUPPLY PLAN - FOURTH FLOOR

3/16" = 1'-0"





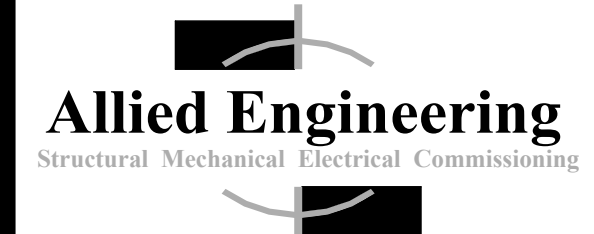
D1	MECHANICAL DEMOLITION PART PLAN - BASEMENT LEVEL
3/16" = 1'-0"	



A1	MECHANICAL DEMOLITION PART PLAN - FIRST FLOOR
3/16" = 1'-0"	



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No. 23030

Cad File:

PROJECT NAME:

## MCJA - BUILDING C LIMITED RENOVATIONS

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

### NOT FOR CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

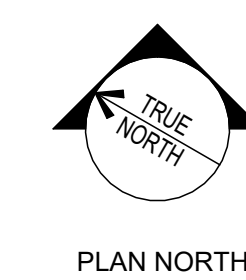
DATE OF ISSUE: APRIL 8, 2025

PROJECT NUMBER: 2023-0070

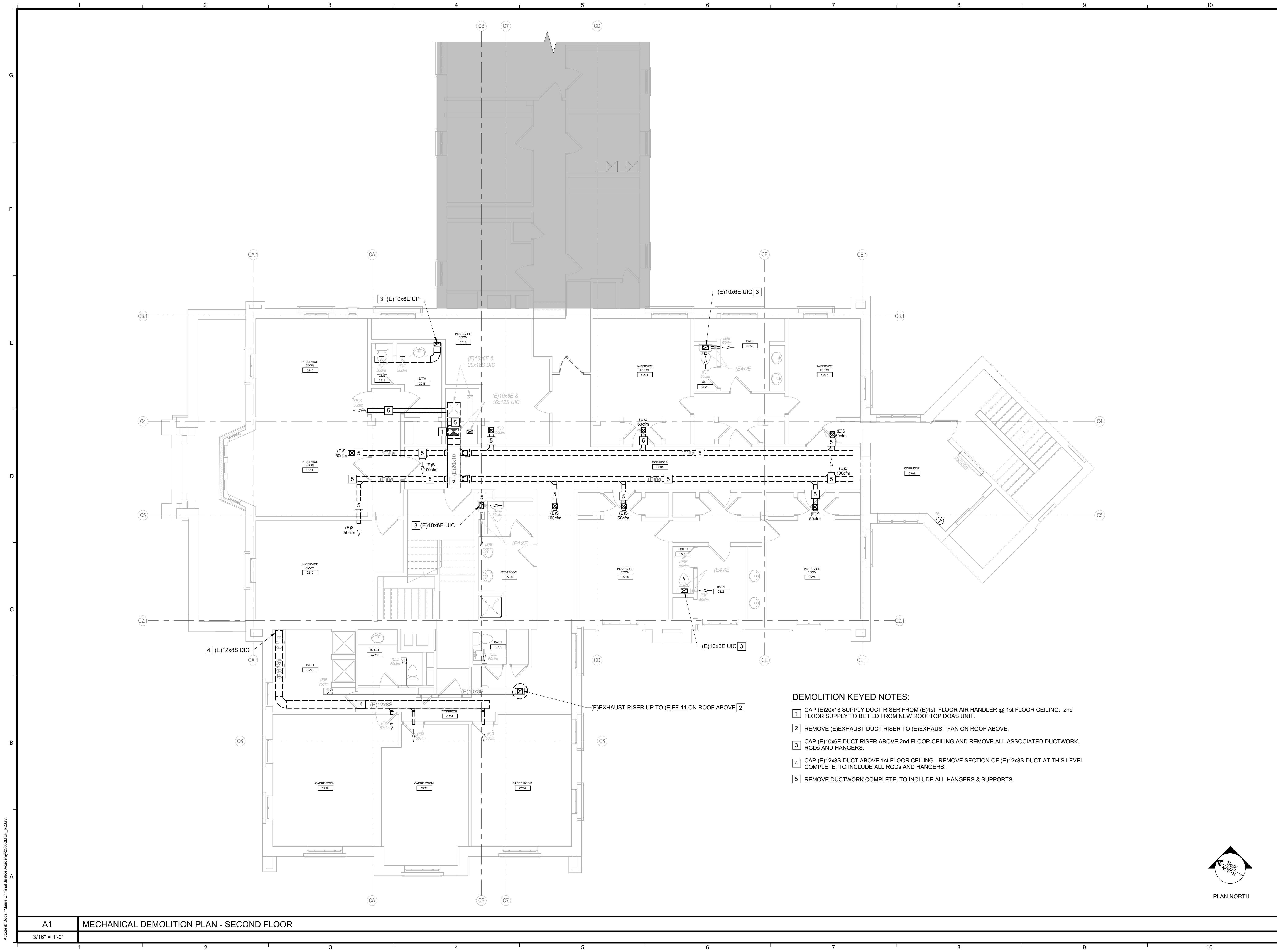
STATUS: ISSUED FOR BID - NOT  
FOR CONSTRUCTION

## MECHANICAL DEMOLITION PART PLANS

# MD-101



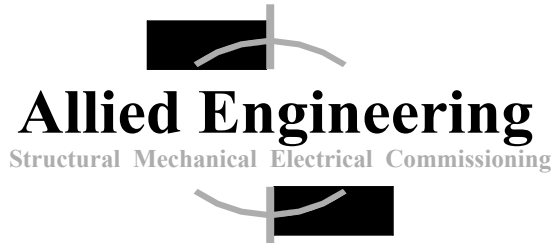




Autodesk Docs/ Maine Criminal Justice Academy/23030MEP\_R23.rvt



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.  
Allied Project No: 23030  
Cad File:

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

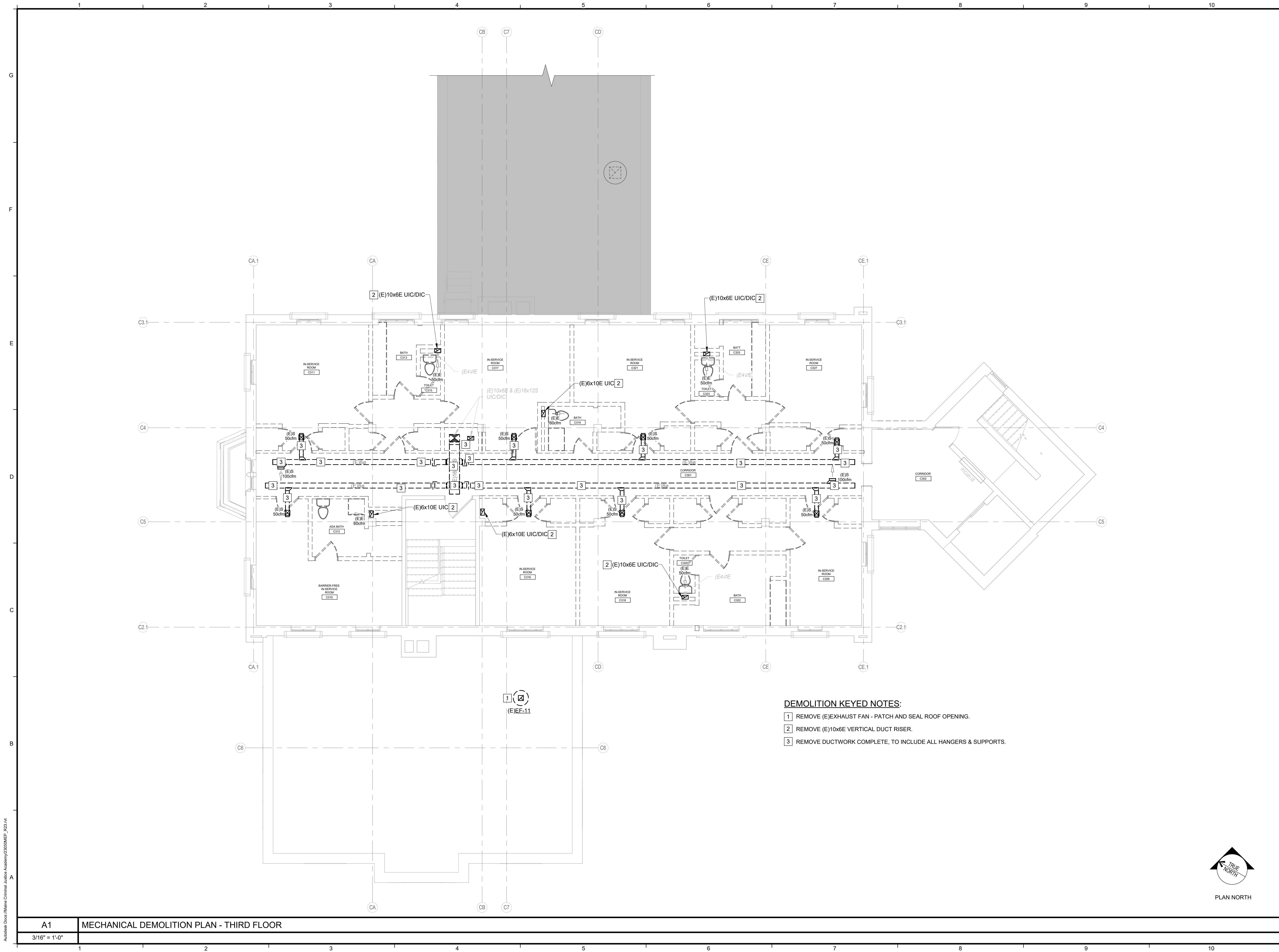
DATE OF ISSUE: APRIL 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID - NOT FOR CONSTRUCTION

**MECHANICAL  
DEMOLITION PLAN -  
SECOND FLOOR**

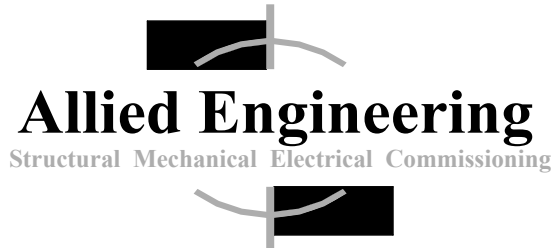
**MD-102**







75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.  
Allied Project No: 23030  
Cad File:

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

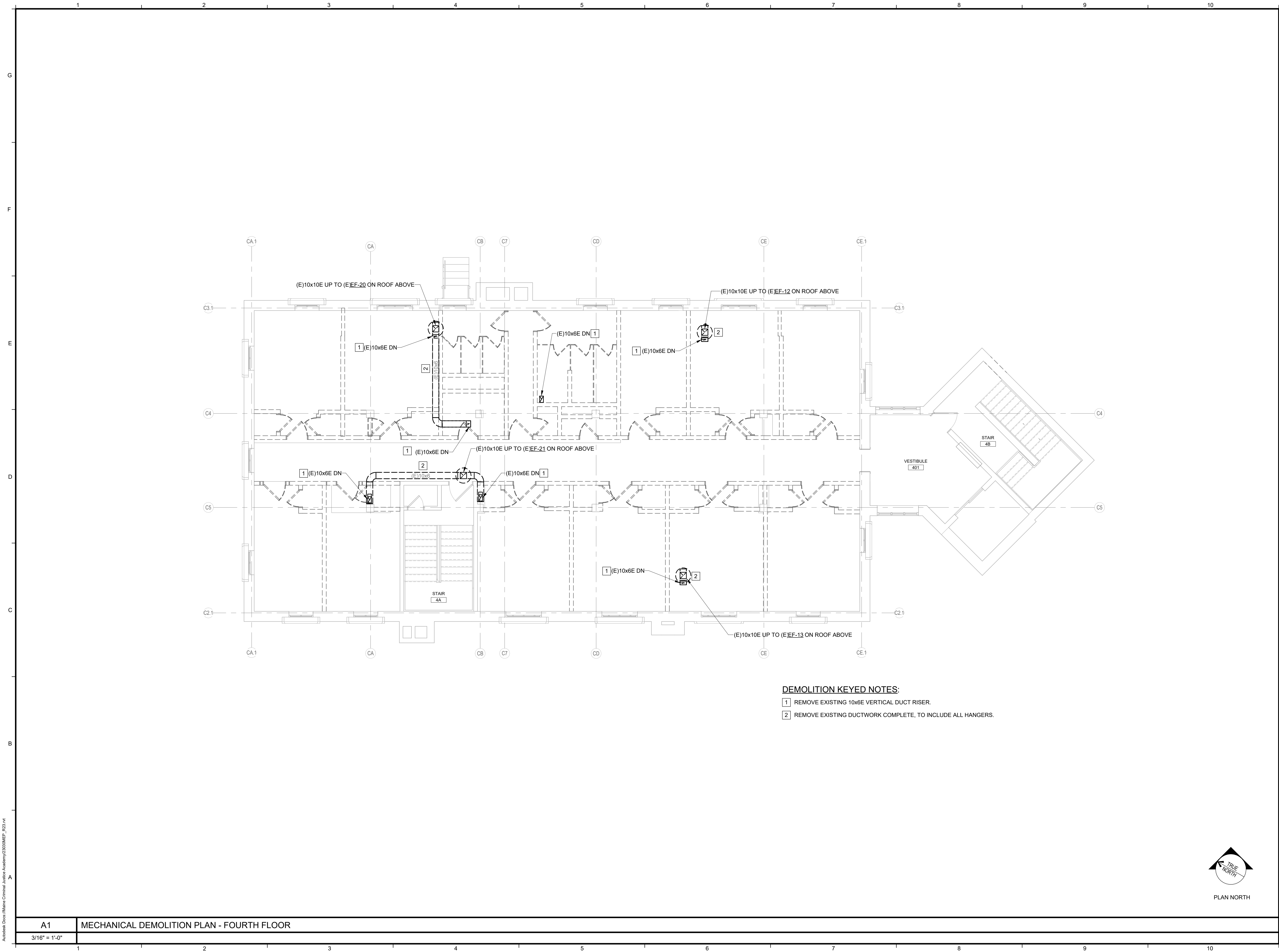
△ REVISIONS

DATE OF ISSUE: APRIL 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID - NOT  
FOR CONSTRUCTION

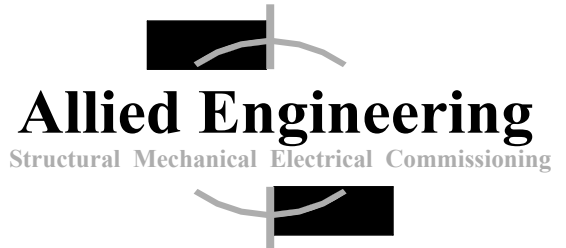
**MECHANICAL  
DEMOLITION PLAN -  
THIRD FLOOR**

**MD-103**





75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No. 23030

Cad File:

PROJECT NAME:

## MCJA - BUILDING C LIMITED RENOVATIONS

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

### NOT FOR CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APRIL 8, 2025

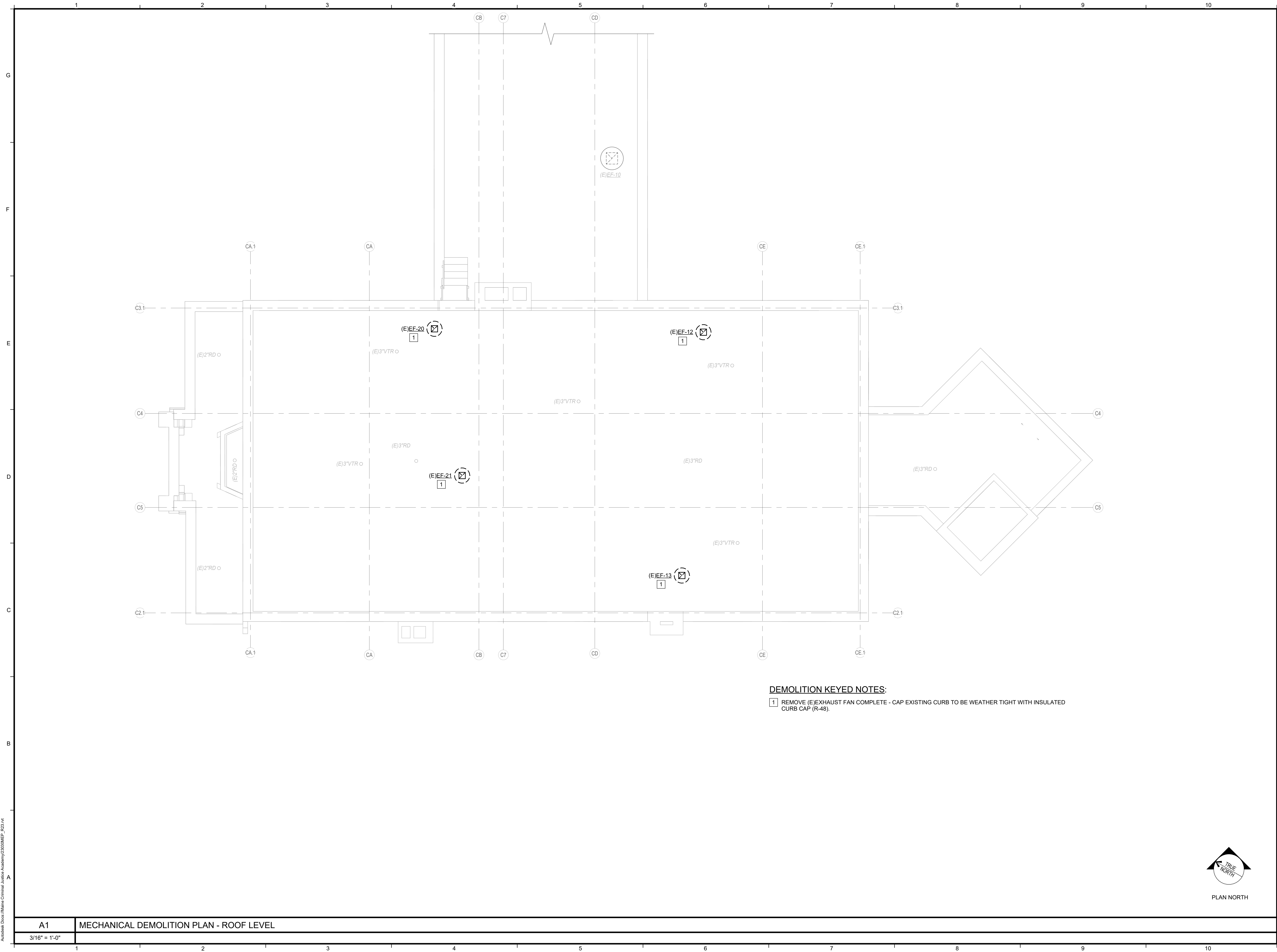
PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID - NOT  
FOR CONSTRUCTION

## MECHANICAL DEMOLITION PLAN - FOURTH FLOOR

# MD-104

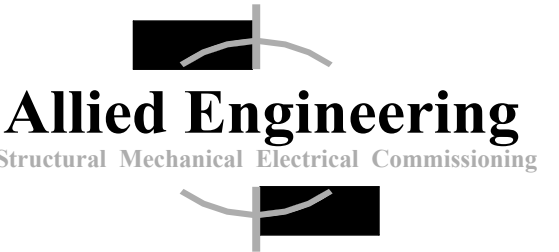




**DEMOLITION KEYED NOTES:**  
1 REMOVE (E)EXHAUST FAN COMPLETE - CAP EXISTING CURB TO BE WEATHER TIGHT WITH INSULATED CURB CAP (R-48).



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.  
Allied Project No: 23030  
Cad File:

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

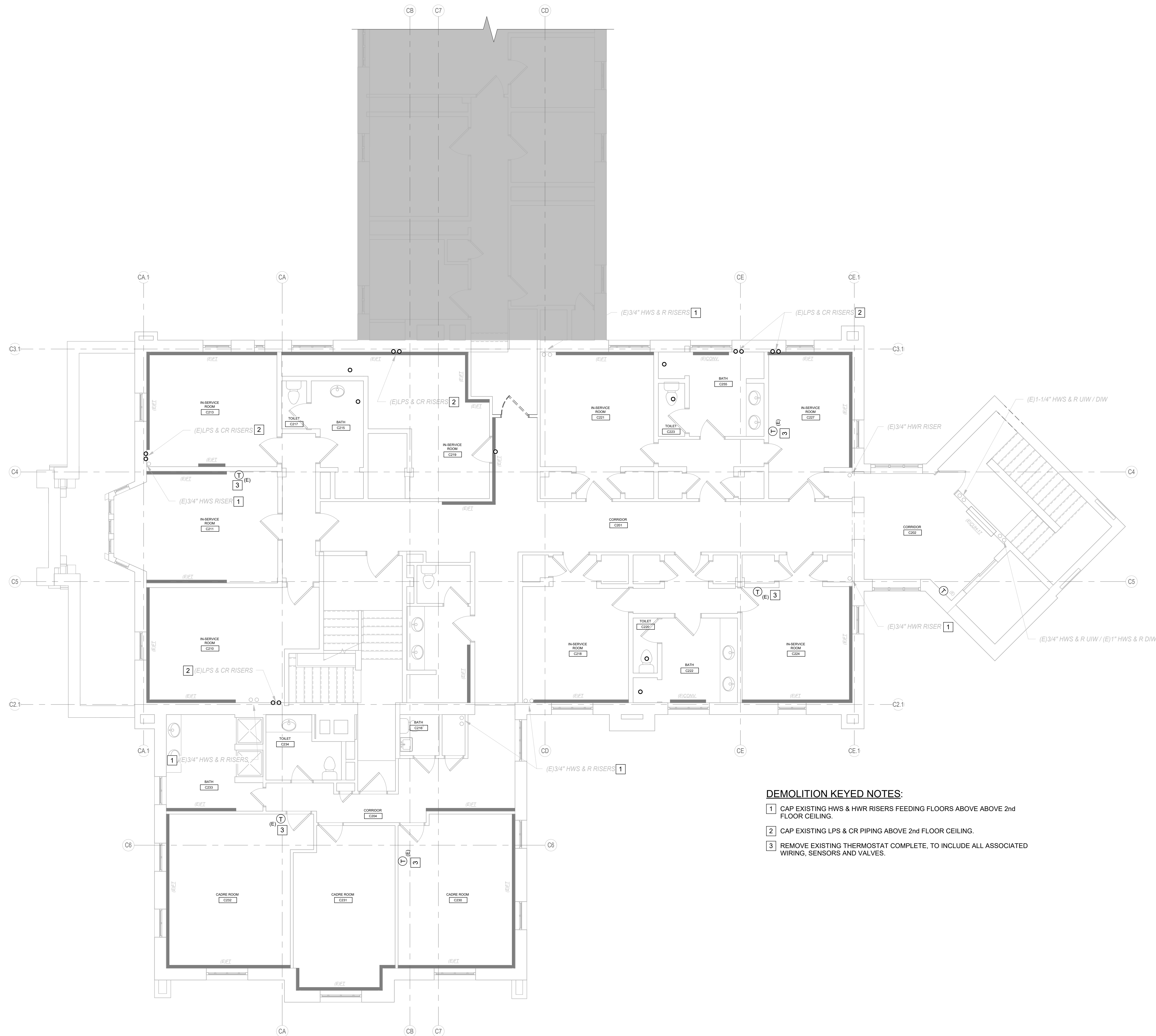
DATE OF ISSUE: APRIL 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID - NOT FOR CONSTRUCTION

**MECHANICAL  
DEMOLITION PLAN -  
ROOF LEVEL**

**MD-105**



Autodesk Docs\\Maine Criminal Justice Academy\\2030\\MEP\\R23.rvt

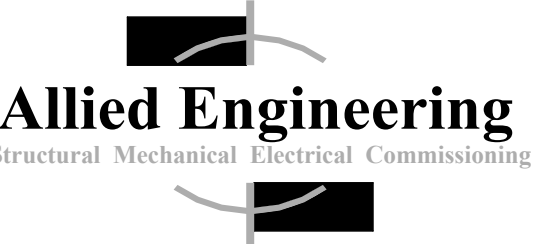


**DEMOLITION KEYED NOTES:**

- 1 CAP EXISTING HWS & HWR RISERS FEEDING FLOORS ABOVE ABOVE 2nd FLOOR CEILING.
- 2 CAP EXISTING LPS & CR PIPING ABOVE 2nd FLOOR CEILING.
- 3 REMOVE EXISTING THERMOSTAT COMPLETE, TO INCLUDE ALL ASSOCIATED WIRING, SENSORS AND VALVES.



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.  
Allied Project No: 23030  
Cad File:

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS  
DD - ADDENDUM 1/23/2025

DATE OF ISSUE: APRIL 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID - NOT  
FOR CONSTRUCTION

**MECHANICAL  
PIPING  
DEMOLITION PLAN -  
SECOND FLOOR**

**MD-202**

A1 MECHANICAL PIPING DEMOLITION PLAN - SECOND FLOOR

3/16" = 1'-0"



MCJA - BUILDING  
C LIMITED  
RENOVATIONS

15 OAK GROVE RD  
WASSALBORO, ME 04989

NOT FOR  
CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
© 2023 © SCOTT SIMONS ARCHITECTS, LLC

D - ADDENDUM 1/23/2025

STATUS: ISSUED FOR BID - NOT FOR CONSTRUCTION

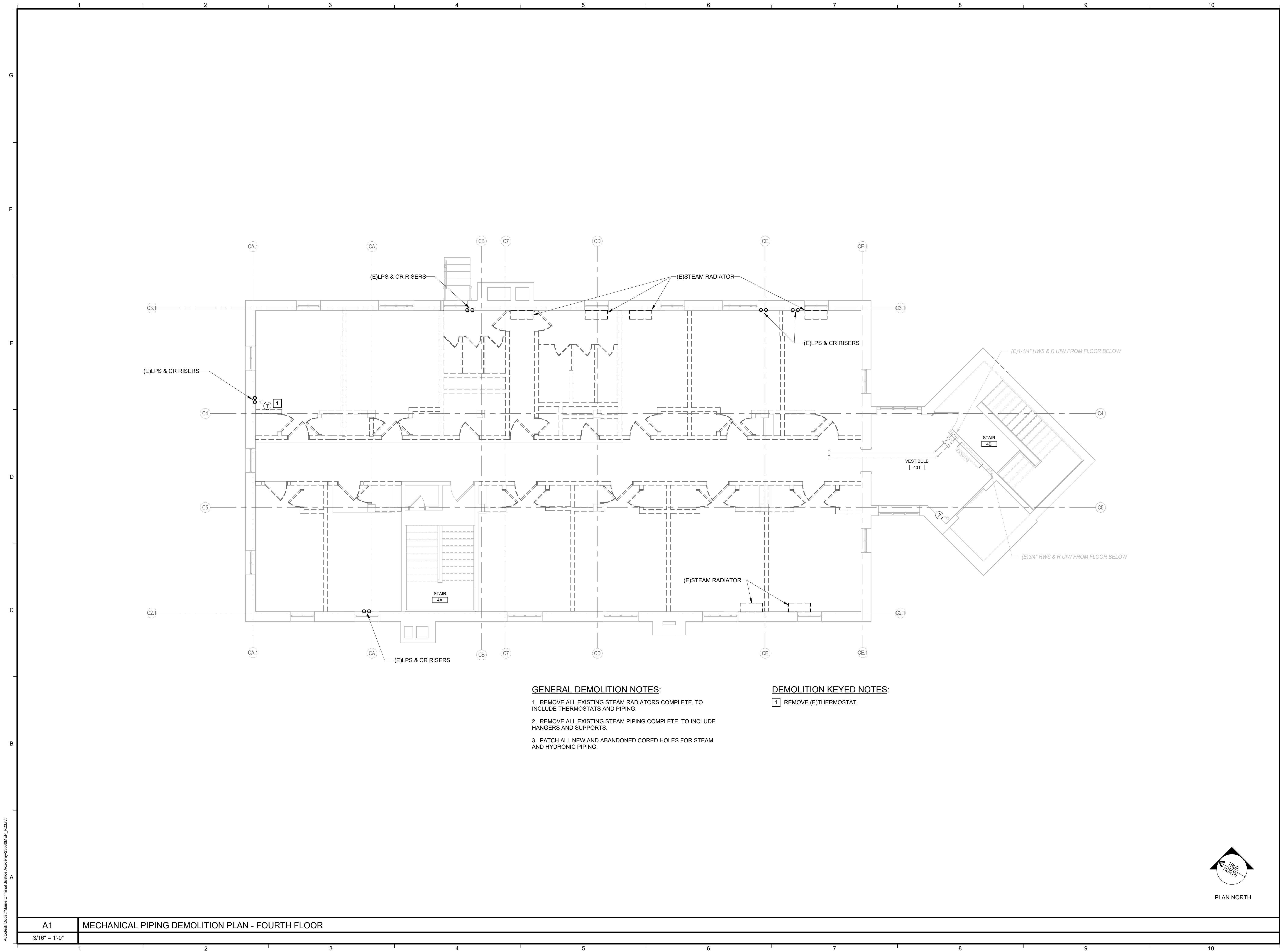
# MECHANICAL PIPING DEMOLITION PLAN - THIRD FLOOR

# MD-203



- 1 REMOVE EXISTING THERMOSTAT.
- 2 REMOVE EXISTING HWS & HWV PIPING COMPLETE, TO INCLUDE ALL HANGERS AND SUPPORTS.
- 3 REMOVE EXISTING FINITUBE COMPLETE, TO INCLUDE ALL PIPING, CONTROLS AND CONTROL WIRING.
- 4 REMOVE EXISTING LPS & CR PIPING COMPLETE, TO INCLUDE ALL HANGERS AND SUPPORTS.
- 5 REMOVE EXISTING CONVECTOR COMPLETE, TO INCLUDE ALL PIPING, CONTROLS AND CONTROL WIRING.





**GENERAL DEMOLITION NOTES:**

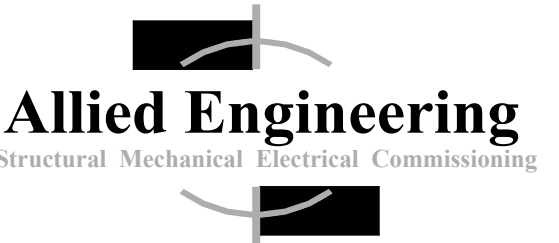
1. REMOVE ALL EXISTING STEAM RADIATORS COMPLETE, TO INCLUDE THERMOSTATS AND PIPING.
2. REMOVE ALL EXISTING STEAM PIPING COMPLETE, TO INCLUDE HANGERS AND SUPPORTS.
3. PATCH ALL NEW AND ABANDONED CORED HOLES FOR STEAM AND HYDRONIC PIPING.

**DEMOLITION KEYED NOTES:**

- 1 REMOVE (E)THERMOSTAT.



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No: 23030  
Cad File:

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
**NOT FOR  
CONSTRUCTION**

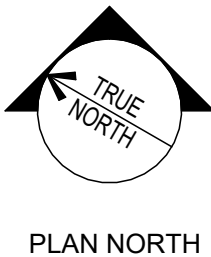
THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

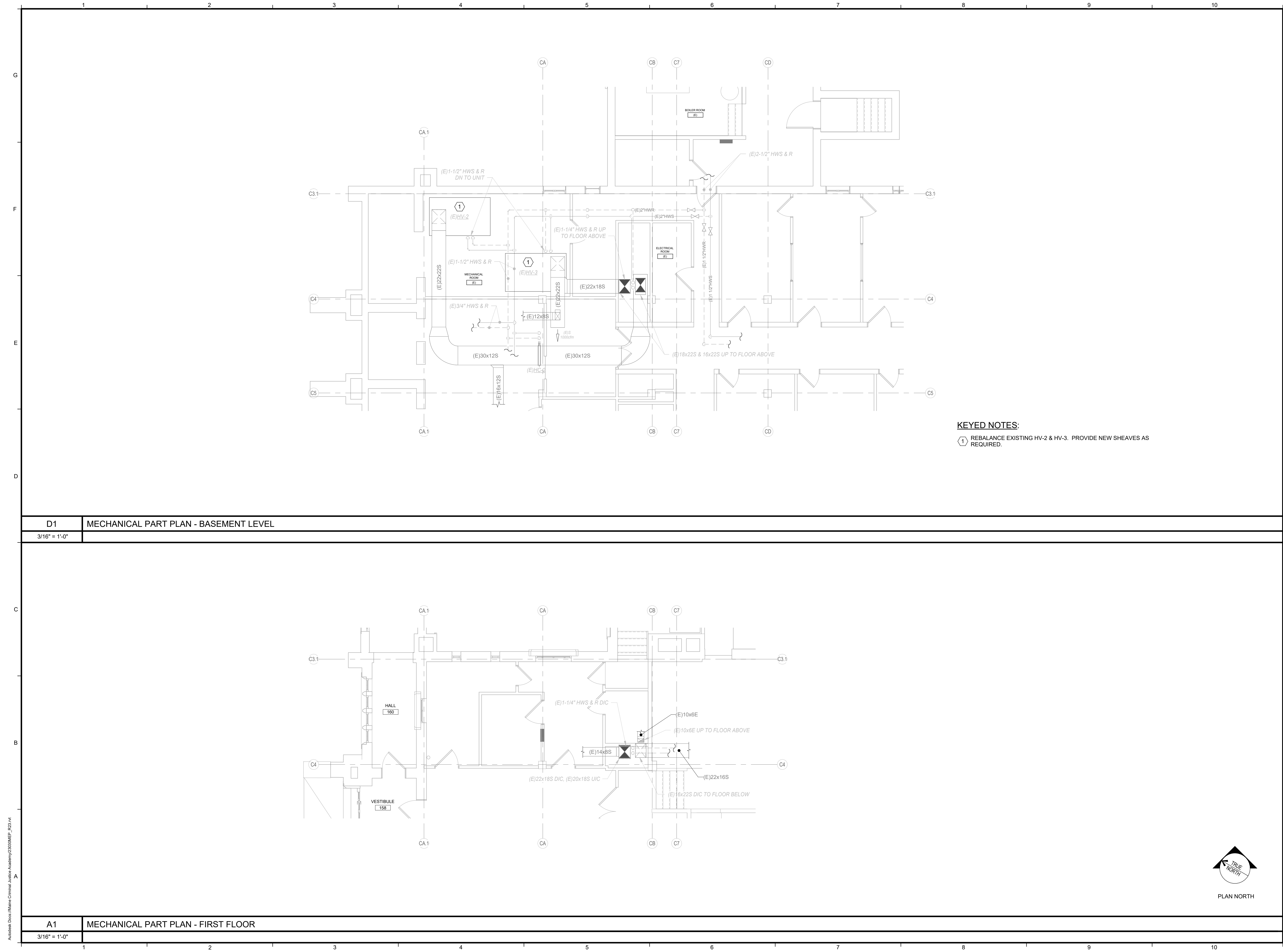
DATE OF ISSUE: APRIL 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID - NOT  
FOR CONSTRUCTION

**MECHANICAL  
PIPING  
DEMOLITION PLAN -  
FOURTH FLOOR**

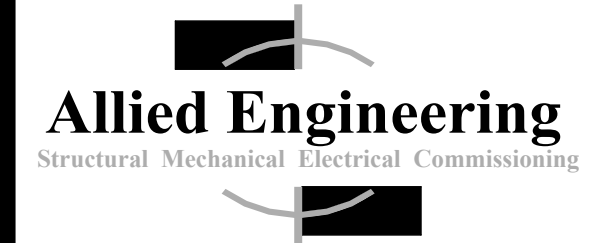
**MD-204**







75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No. 23030

Cad File:

PROJECT NAME:

MCJA - BUILDING  
C LIMITED  
RENOVATIONS

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

NOT FOR  
CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

REVISIONS

DATE OF ISSUE: APRIL 8, 2025

PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID - NOT  
FOR CONSTRUCTION

MECHANICAL PART  
PLANS

MH-101



MCJA - BUILDING  
C LIMITED  
RENOVATIONS

15 OAK GROVE RD  
WASSALBORO, ME 04989

SEAL:

NOT FOR  
CONSTRUCTION

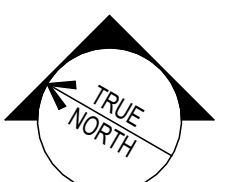
THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
© 2023 © SCOTT SIMONS ARCHITECTS, LLC

## △ REVISIONS

STATUS:	ISSUED FOR BID - NOT FOR CONSTRUCTION
---------	---------------------------------------

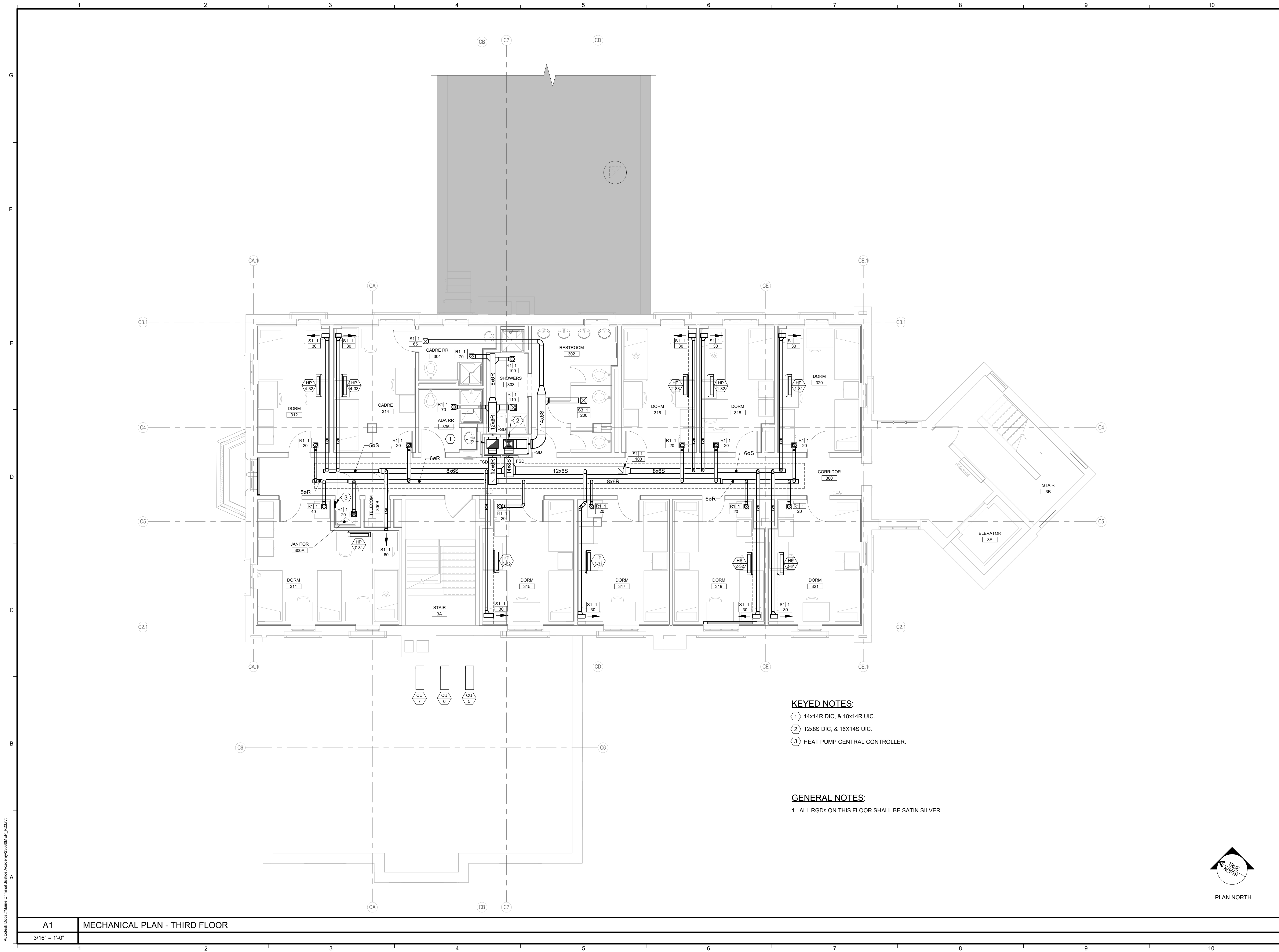
## MECHANICAL PLAN - SECOND FLOOR

# MH-102

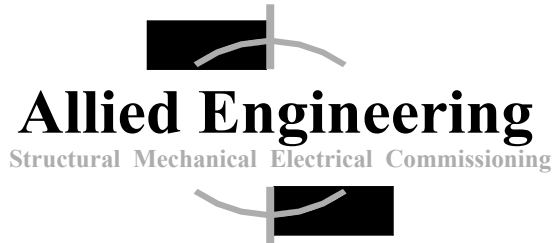


PLAN NORTH





75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.  
Allied Project No: 23030  
Cad File:

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
**NOT FOR  
CONSTRUCTION**

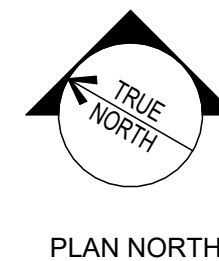
THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APRIL 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID - NOT  
FOR CONSTRUCTION

**MECHANICAL PLAN  
- THIRD FLOOR**

**MH-103**



**KEYED NOTES:**

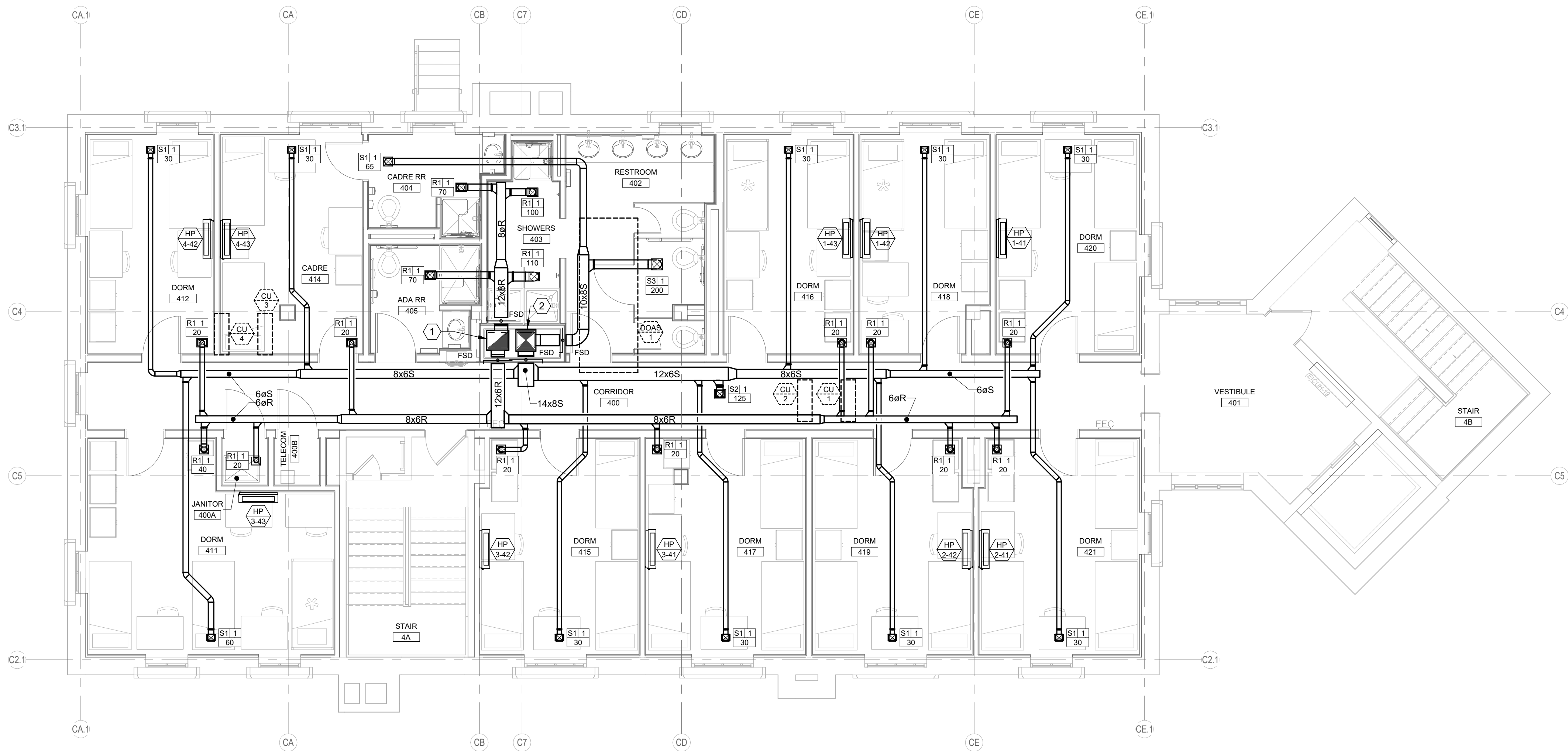
- ① 14x14R DIC, & 18x14R UIC.
- ② 12x8S DIC, & 16x14S UIC.
- ③ HEAT PUMP CENTRAL CONTROLLER.

**GENERAL NOTES:**

- 1. ALL RGDs ON THIS FLOOR SHALL BE SATIN SILVER.



Autodesk Docs\\Maine Criminal Justice Academy\\2303\\MEP\_F23.rvt



KEYED NOTES:

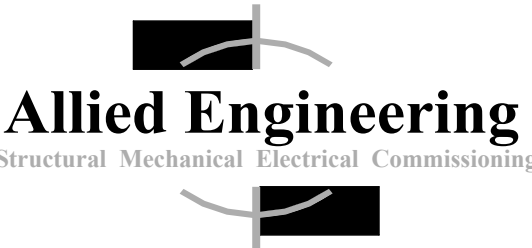
- (1) 18x14R DIC, & 20x18R UP TO DOAS.  
(2) 16x14S DIC, & 20x18S UP TO DOAS.

GENERAL NOTES:

1. ALL RGDs ON THIS FLOOR SHALL BE SATIN SILVER.



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No: 23030

Cad File:

PROJECT NAME:

MCJA - BUILDING  
C LIMITED  
RENOVATIONS

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

NOT FOR  
CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APRIL 8, 2025

PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID - NOT  
FOR CONSTRUCTION

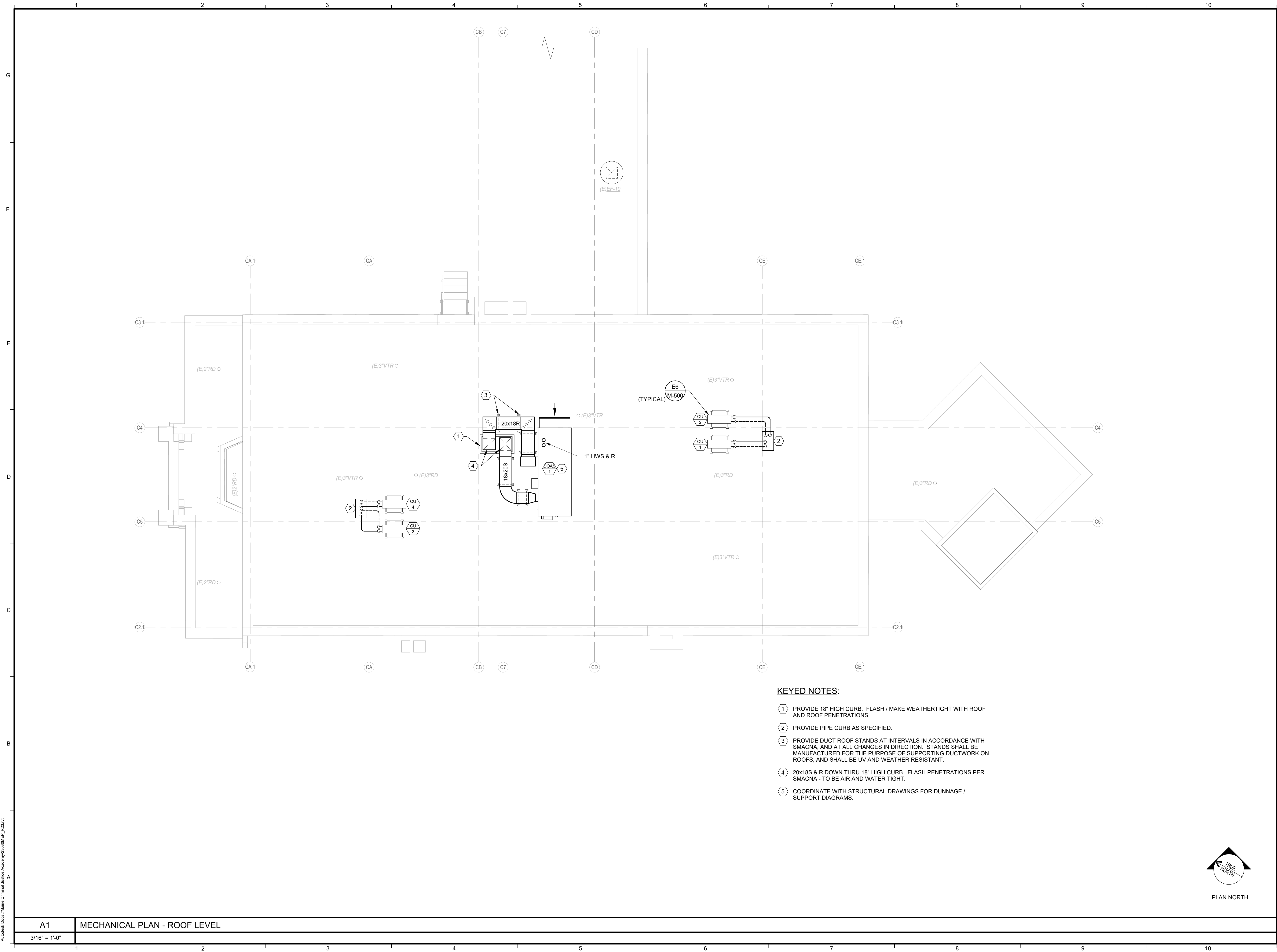
MECHANICAL PLAN  
- FOURTH FLOOR

MH-104

A1 MECHANICAL PLAN - FOURTH FLOOR

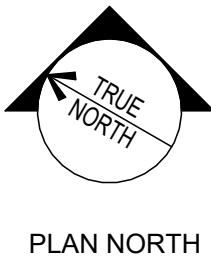
3/16" = 1'-0"



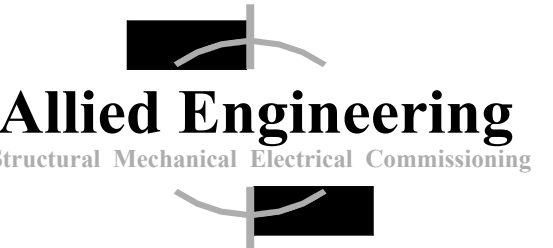


KEYED NOTES:

- 1 PROVIDE 18" HIGH CURB. FLASH / MAKE WEATHERTIGHT WITH ROOF AND ROOF PENETRATIONS.
- 2 PROVIDE PIPE CURB AS SPECIFIED.
- 3 PROVIDE DUCT ROOF STANDS AT INTERVALS IN ACCORDANCE WITH SMACNA, AND AT ALL CHANGES IN DIRECTION. STANDS SHALL BE MANUFACTURED FOR THE PURPOSE OF SUPPORTING DUCTWORK ON ROOFS, AND SHALL BE UV AND WEATHER RESISTANT.
- 4 20x18S & R DOWN THRU 18" HIGH CURB. FLASH PENETRATIONS PER SMACNA - TO BE AIR AND WATER TIGHT.
- 5 COORDINATE WITH STRUCTURAL DRAWINGS FOR DUNNAGE / SUPPORT DIAGRAMS.



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.  
Allied Project No: 23030  
Cad File:

PROJECT NAME:  
MCJA - BUILDING  
C LIMITED  
RENOVATIONS  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
NOT FOR  
CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

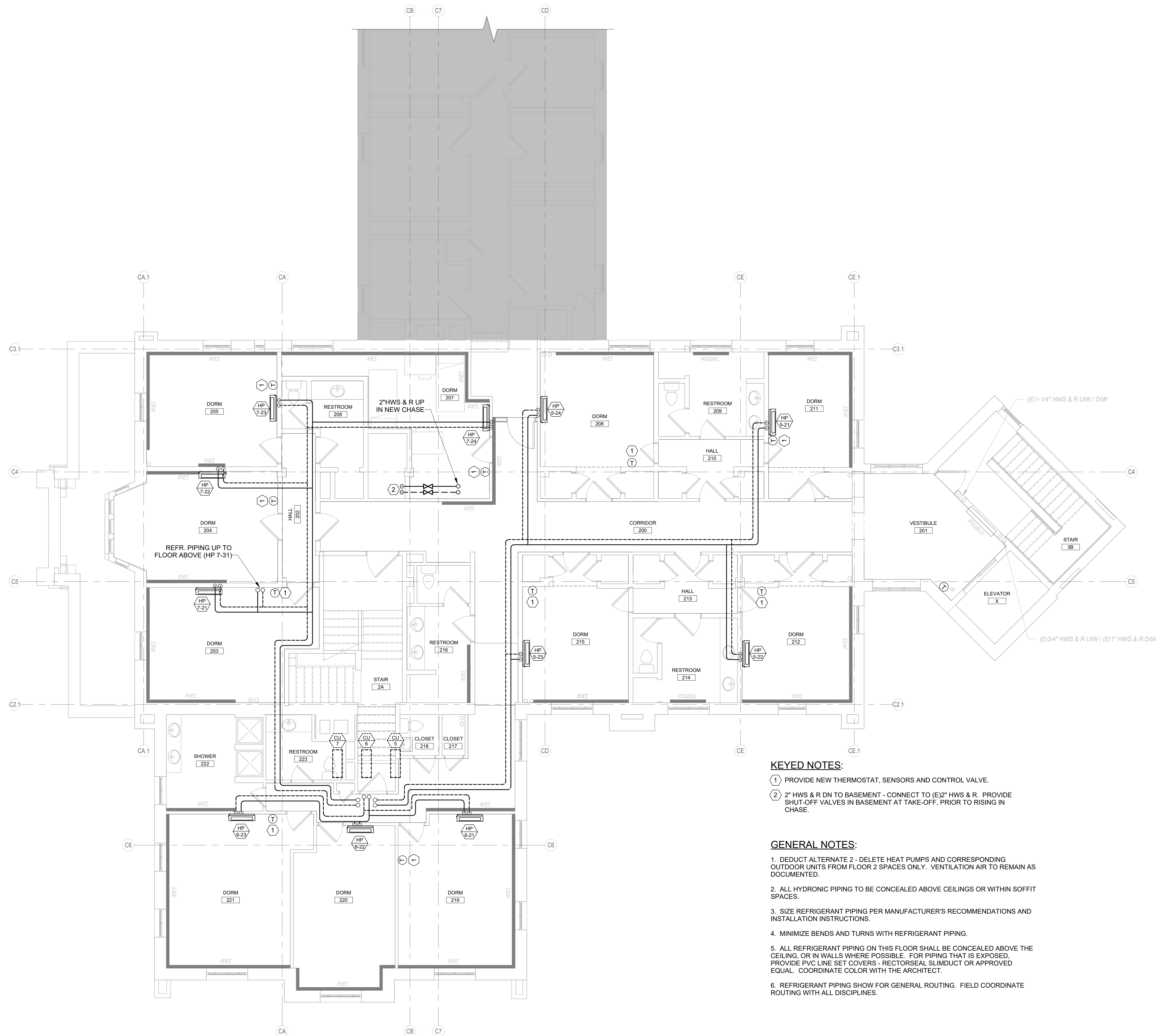
DATE OF ISSUE: APRIL 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID - NOT FOR CONSTRUCTION

MECHANICAL PLAN  
- ROOF LEVEL

MH-105



Autodesk Docs\\Maine Criminal Justice Academy\\23030MEP\\R23.rvt

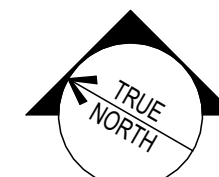


**KEYED NOTES:**

- 1 PROVIDE NEW THERMOSTAT, SENSORS AND CONTROL VALVE.
- 2 2" HWS & R DN TO BASEMENT - CONNECT TO (E)2" HWS & R. PROVIDE SHUT-OFF VALVES IN BASEMENT AT TAKE-OFF, PRIOR TO RISING IN CHASE.

**GENERAL NOTES:**

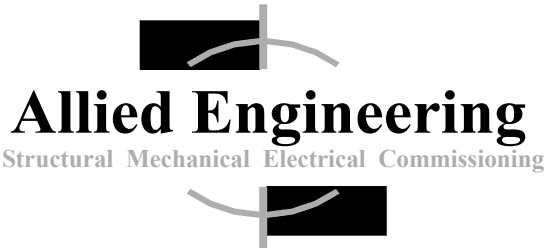
1. DEDUCT ALTERNATE 2 - DELETE HEAT PUMPS AND CORRESPONDING OUTDOOR UNITS FROM FLOOR 2 SPACES ONLY. VENTILATION AIR TO REMAIN AS DOCUMENTED.
2. ALL HYDRONIC PIPING TO BE CONCEALED ABOVE CEILINGS OR WITHIN SOFFIT SPACES.
3. SIZE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS.
4. MINIMIZE BENDS AND TURNS WITH REFRIGERANT PIPING.
5. ALL REFRIGERANT PIPING ON THIS FLOOR SHALL BE CONCEALED ABOVE THE CEILING, OR IN WALLS WHERE POSSIBLE. FOR PIPING THAT IS EXPOSED, PROVIDE PVC LINE SET COVERS - RECTORSEAL SLIMDUCT OR APPROVED EQUAL. COORDINATE COLOR WITH THE ARCHITECT.
6. REFRIGERANT PIPING SHOW FOR GENERAL ROUTING. FIELD COORDINATE ROUTING WITH ALL DISCIPLINES.



PLAN NORTH



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No: 23030

Cad File:

PROJECT NAME:

**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

DD - ADDENDUM 1/23/2025

DATE OF ISSUE: APRIL 8, 2025

PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID - NOT  
FOR CONSTRUCTION

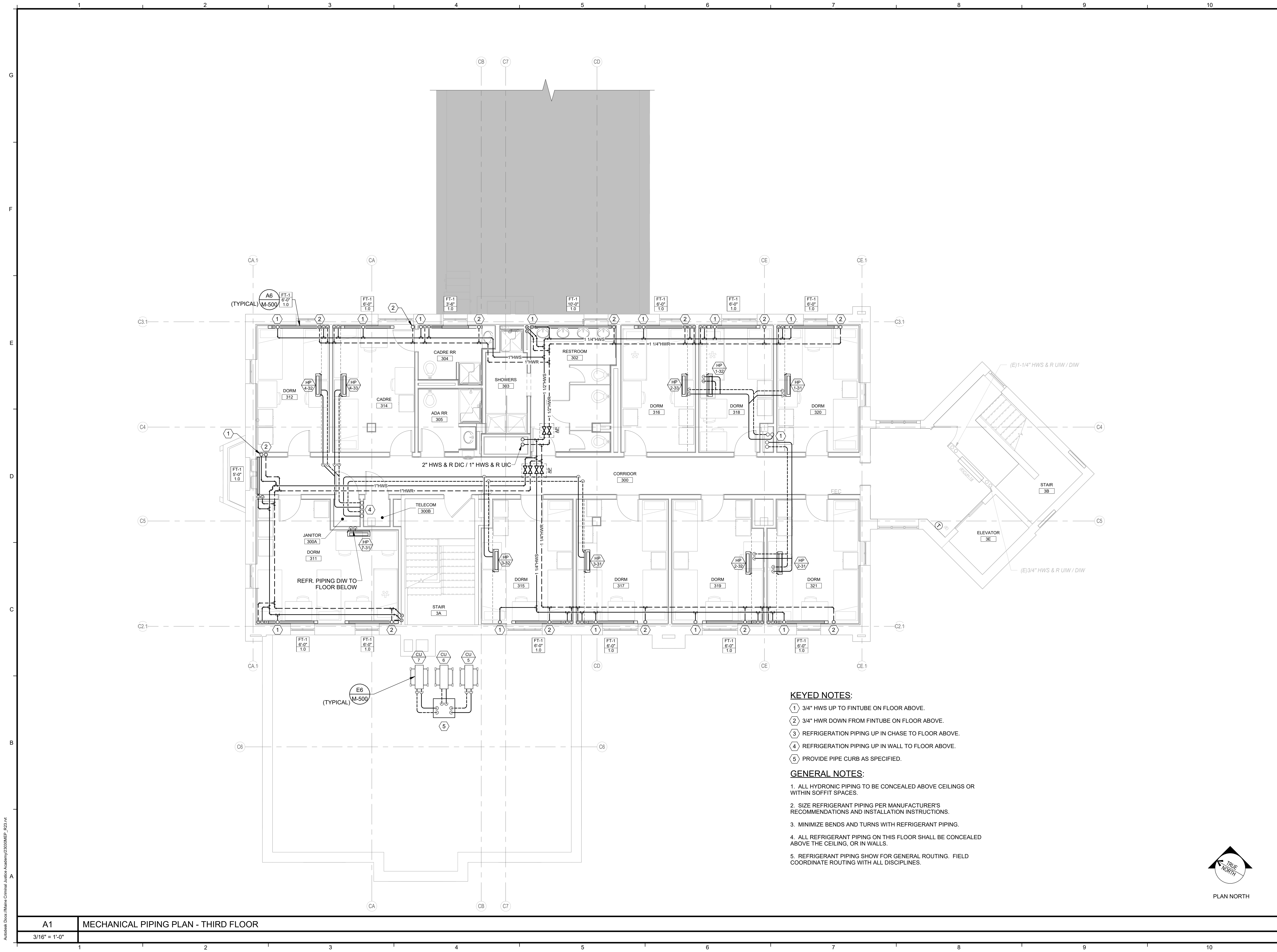
**MECHANICAL  
PIPING PLAN -  
SECOND FLOOR**

**MP-102**

A1 MECHANICAL PIPING PLAN - SECOND FLOOR

3/16" = 1'-0"

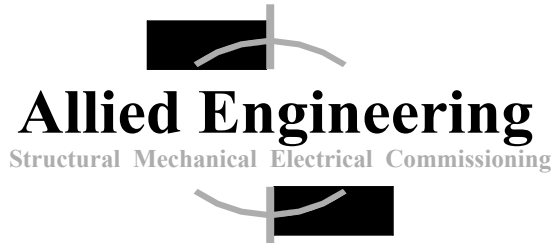




Autodesk Docs\\Maine Criminal Justice Academy\\2023\\MEP\\R23.rvt



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No. 23030

Cad File:

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

DD - ADDENDUM 1/23/2025

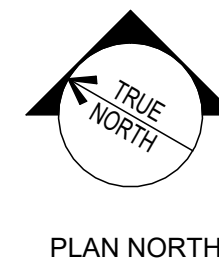
DATE OF ISSUE: APRIL 8, 2025

PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID - NOT  
FOR CONSTRUCTION

**MECHANICAL  
PIPING PLAN -  
THIRD FLOOR**

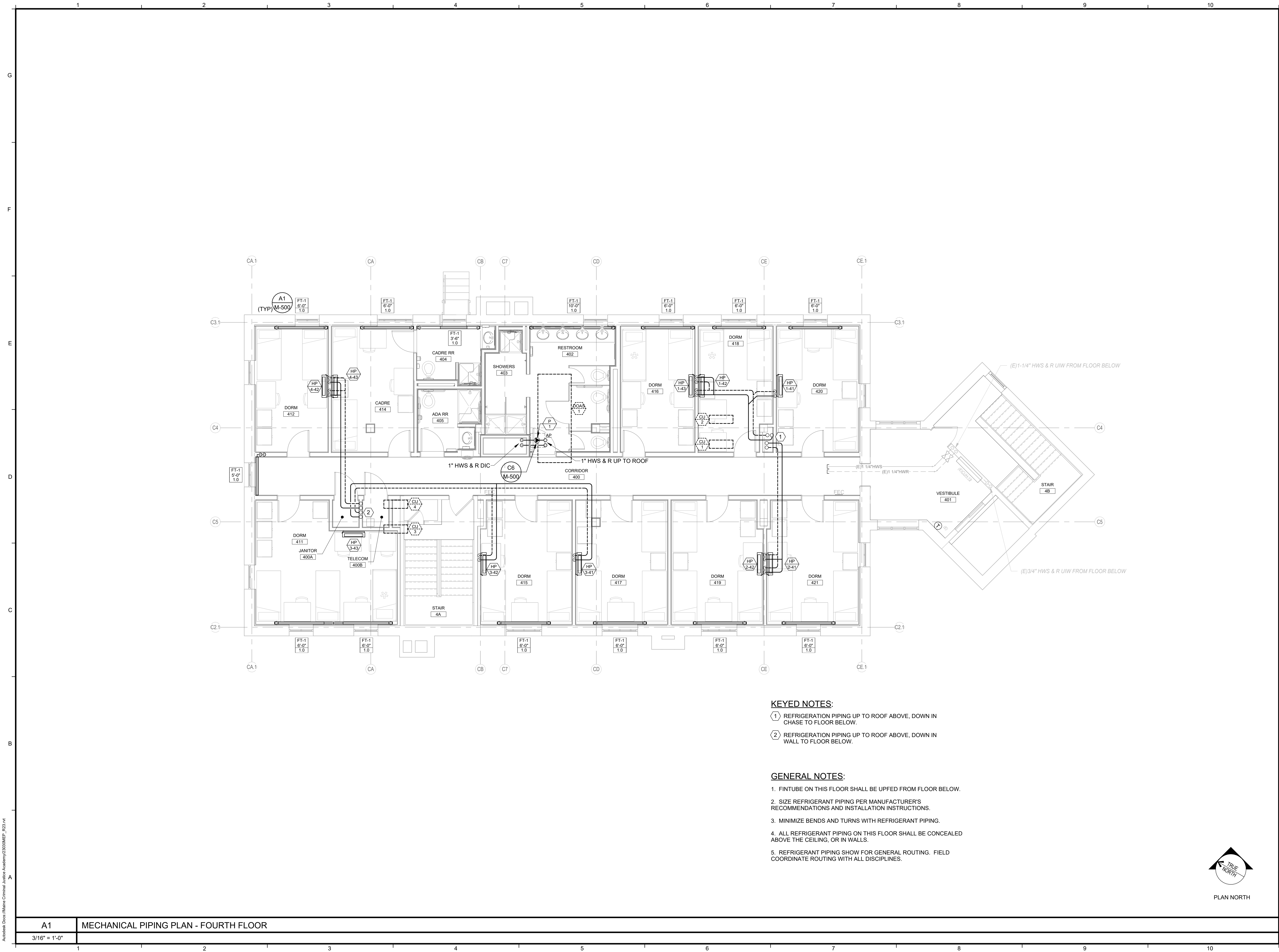
**MP-103**



A1 MECHANICAL PIPING PLAN - THIRD FLOOR

3/16" = 1'-0"

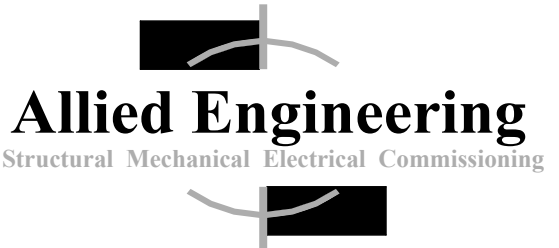




Autodesk Docs\\Maine Criminal Justice Academy\\2023\\MEP\_R23.rvt



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No. 23030

Cad File:

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

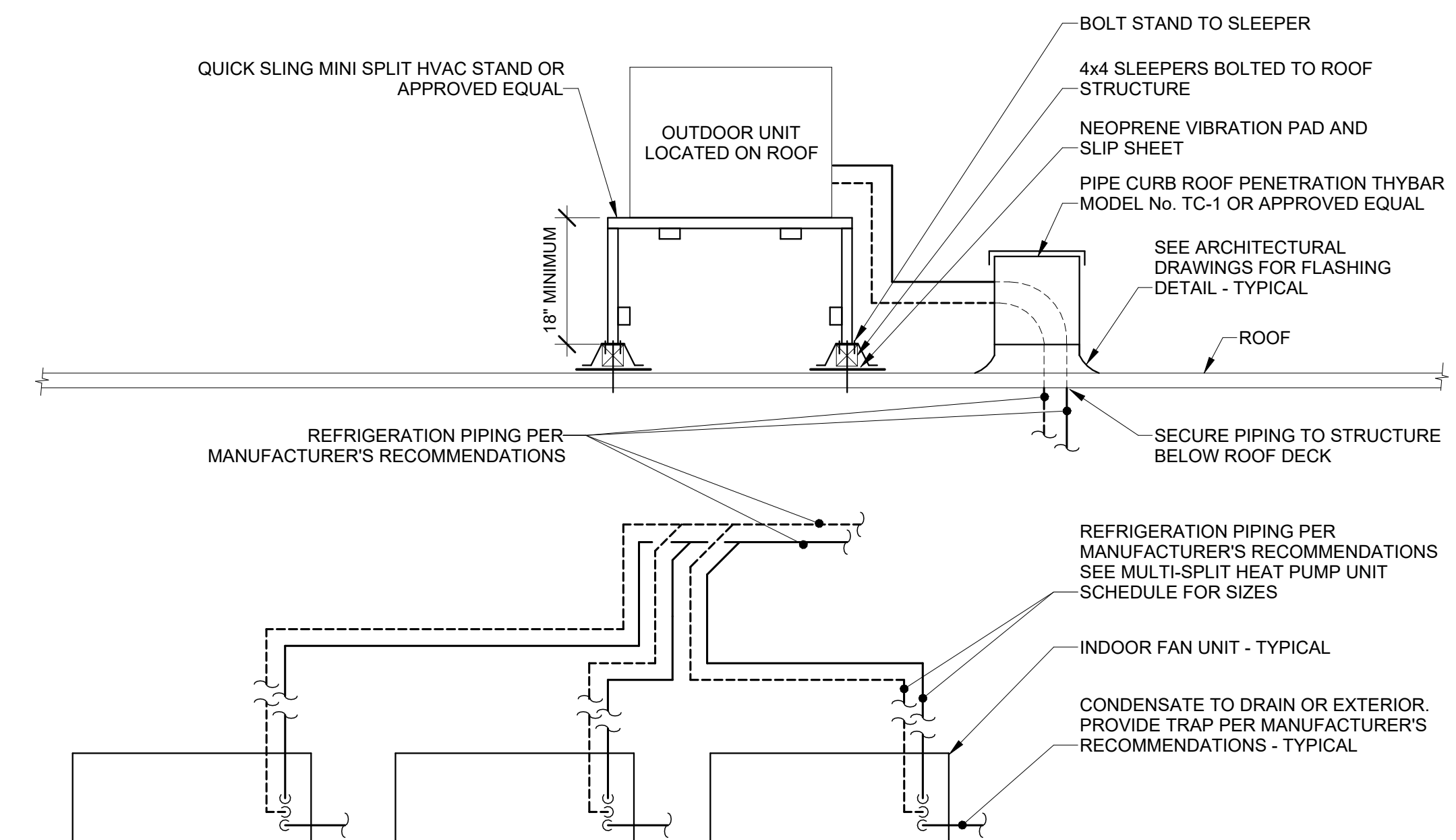
△ REVISIONS

DATE OF ISSUE: APRIL 8, 2025  
PROJECT NUMBER: 2023-0070  
STATUS: ISSUED FOR BID - NOT  
FOR CONSTRUCTION

**MECHANICAL  
PIPING PLAN -  
FOURTH FLOOR**

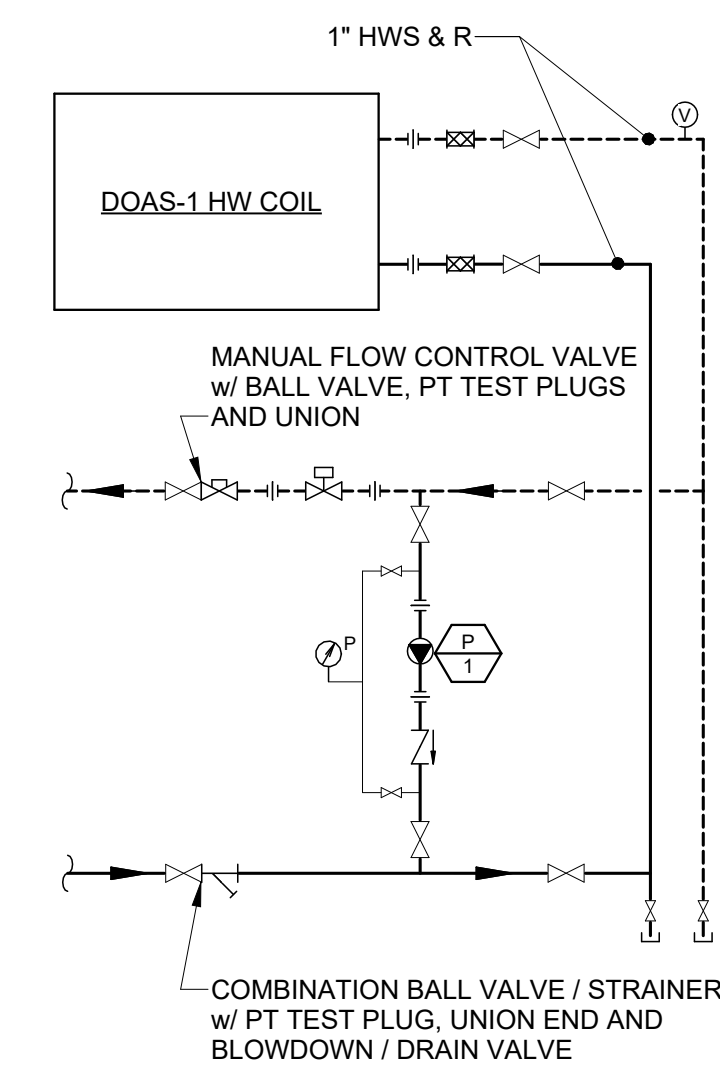
**MP-104**





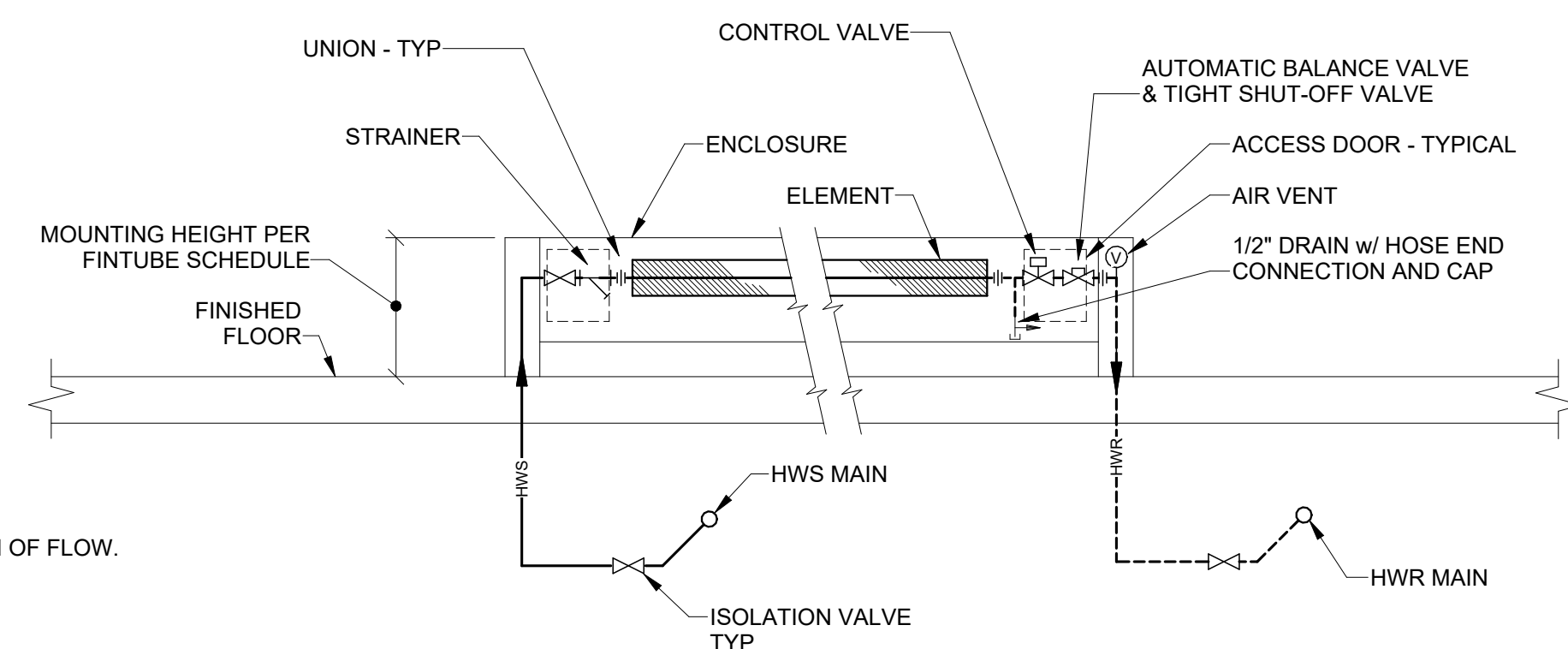
E6	DUCTLESS SPLIT SYSTEM - ROOF AND GROUND INSTALLATION
----	--

NTS



C6	HYDRONIC COIL w/ FREEZE PROTECTION PUMP
----	---

NTS

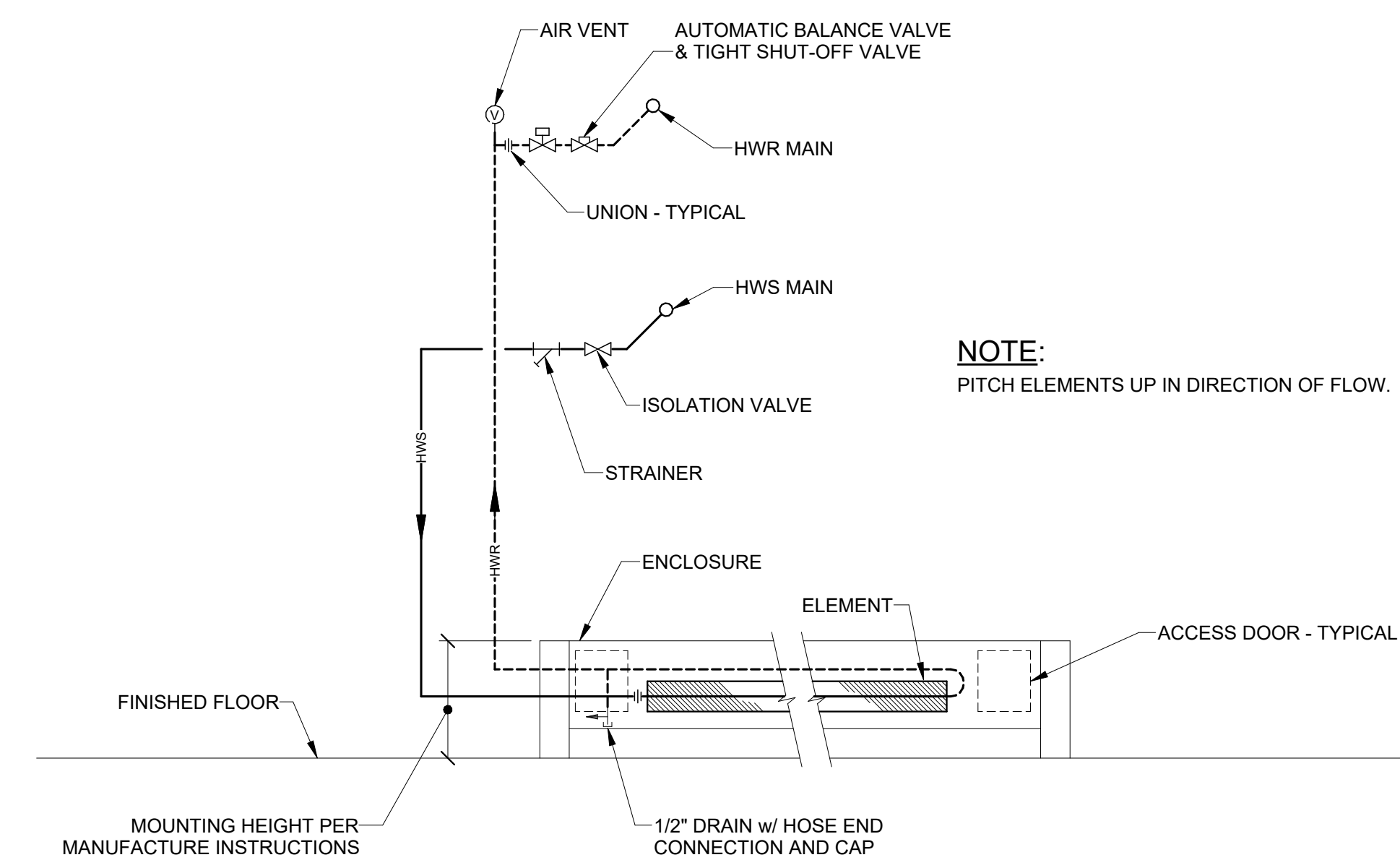


NOTES:

- PITCH ELEMENTS UP IN DIRECTION OF FLOW.

A6	FINTUBE PIPING
----	----------------

NTS



A1	FINTUBE PIPING - UPFEED
----	-------------------------

NTS

PROJECT NAME:

MCJA - BUILDING  
C LIMITED  
RENOVATIONS

15 OAK GROVE RD  
WASSALBORO, ME 04989

SEAL:

NOT FOR  
CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
© 2023 © SCOTT SIMONS ARCHITECTS, LLC

## △ REVISIONS

DATE OF ISSUE: APRIL 8, 2025

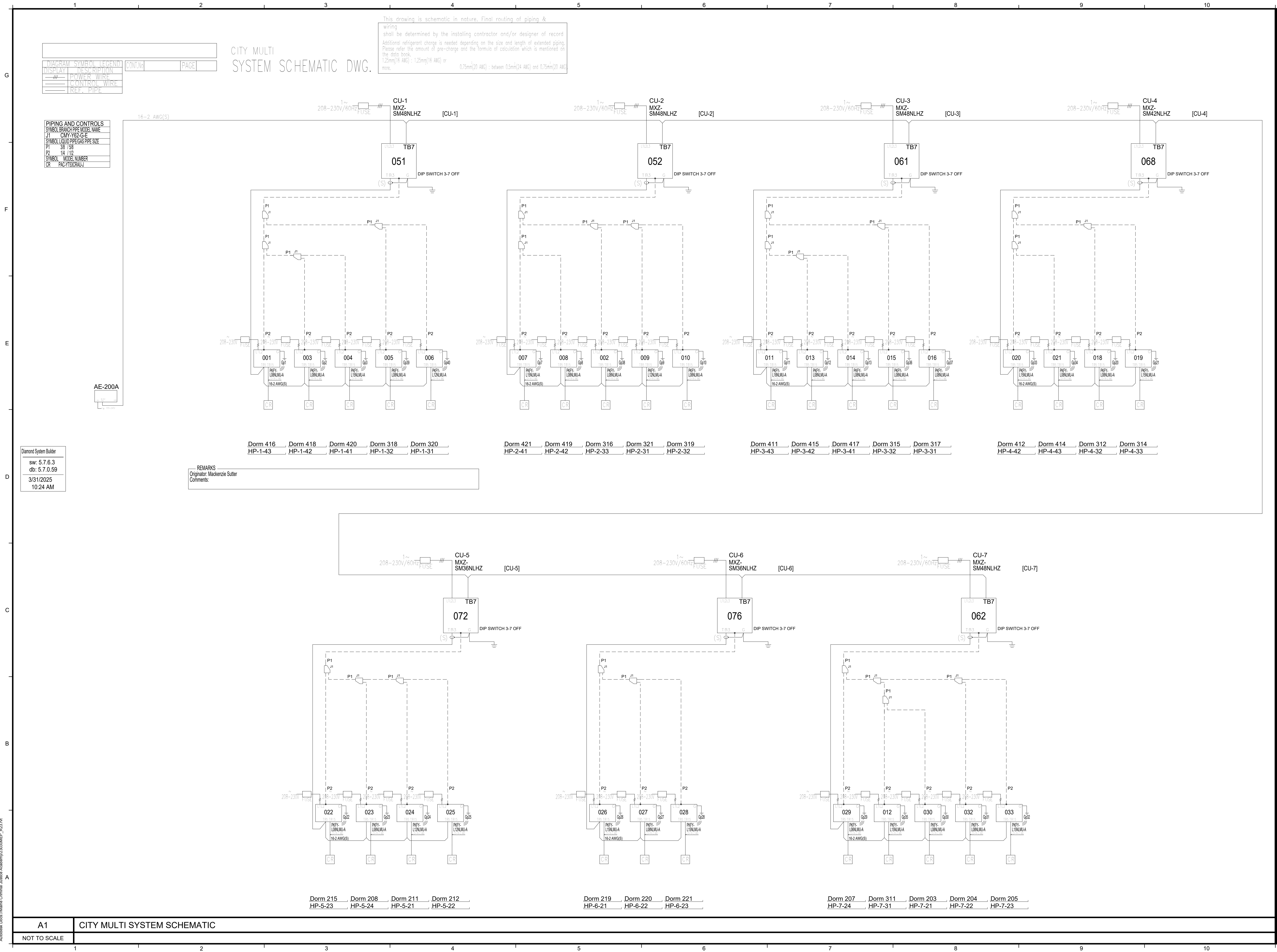
PROJECT NUMBER: 2023-0070

STATUS:	ISSUED FOR BID - NOT FOR CONSTRUCTION
---------	---------------------------------------

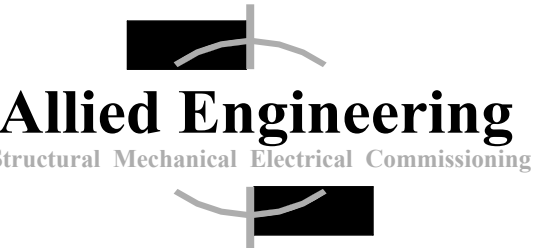
## MECHANICAL DIAGRAMS

## M-500





75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.  
Allied Project No: 23030  
Cad File:



R, G, & D ROUND DUCT RUNOUT SIZE SCHEDULE	
DUCT SIZE (Ø IN.)	CFM RANGE
4"	TYPICALLY NOT USED
6"	$0 \leq \text{CFM} \leq 100$
7"	$105 \leq \text{CFM} \leq 150$
8"	$150 \leq \text{CFM} \leq 215$
9"	$220 \leq \text{CFM} \leq 295$

NOTE: ROUND DUCT RUNOUT SIZES, UNLESS NOTED OTHERWISE IN DOCUMENTS

HYDRONIC PIPE SIZE RUNOUT SCHEDULE	
PIPE SIZE	MAX GPM
1/2"	1.0
3/4"	2.8
1"	6.0
1-1/4"	10.5
1-1/2"	17
2"	35
2-1/2"	68

SYSTEM	INDOOR UNIT #1	INDOOR UNIT #2	INDOOR UNIT #3	INDOOR UNIT #4	INDOOR UNIT #5	OUTDOOR UNIT	
<b>CU-1</b>	DORM 420	DORM 418	DORM 416	DORM 320	DORM 318	TAG	CU-1
INDOOR UNIT TAG	HP1-41	HP1-42	HP1-43	HP1-31	HP1-32	TONNAGE	4 TON
SIZE	W-15	W-08	W-08	W-12	W-08	SEER / HSPF	23 / 11.5
TYPE	WALL	WALL	WALL	WALL	WALL		
<b>CU-2</b>	DORM 421	DORM 419	DORM 321	DORM 319	DORM 316	TAG	CU-2
INDOOR UNIT TAG	HP2-41	HP2-42	HP2-31	HP2-32	HP-2-33	TONNAGE	4 TON
SIZE	W-15	W-08	W-12	W-08	W-08	SEER / HSPF	23 / 11.5
TYPE	WALL	WALL	WALL	WALL	WALL		
<b>CU-3</b>	DORM 417	DORM 415	DORM 411	DORM 317	DORM 315	TAG	CU-3
INDOOR UNIT TAG	HP3-41	HP3-42	HP3-43	HP3-31	HP3-32	TONNAGE	4 TON
SIZE	W-08	W-08	W-18	W-08	W-08	SEER / HSPF	23 / 11.5
TYPE	WALL	WALL	WALL	WALL	WALL		
<b>CU-4</b>	DORM 412	DORM 414	DORM 312	DORM 314		TAG	CU-4
INDOOR UNIT TAG	HP4-42	HP4-43	HP4-32	HP4-33		TONNAGE	3.5 TON
SIZE	W-15	W-08	W-08	W-15		SEER / HSPF	21.5 / 11.1
TYPE	WALL	WALL	WALL	WALL			
<b>CU-5</b>	DORM 211	DORM 212	DORM 215	DORM 208		TAG	CU-5
INDOOR UNIT TAG	HP5-21	HP5-22	HP5-23	HP5-24		TONNAGE	3 TON
SIZE	W-12	W-12	W-08	W-06		SEER / HSPF	23 / 12.0
TYPE	WALL	WALL	WALL	WALL			
<b>CU-6</b>	DORM 219	DORM 220	DORM 221			TAG	CU-6
INDOOR UNIT TAG	HP6-21	HP6-22	HP6-23			TONNAGE	3 TON
SIZE	W-15	W-08	W-15			SEER / HSPF	23 / 12.0
TYPE	WALL	WALL	WALL				
<b>CU-7</b>	DORM 203	DORM 204	DORM 205	DORM 207	DORM 311	TAG	CU-7
INDOOR UNIT TAG	HP7-21	HP7-22	HP7-23	HP7-24	HP7-31	TONNAGE	4 TON
SIZE	W-08	W-08	W-15	W-06	W-15	SEER / HSPF	23 / 11.5
TYPE	WALL	WALL	WALL	WALL	WALL		

MULTI-SPLIT HEAT-PUMP INDOOR & OUTDOOR UNIT SCHEDULE					
INDOOR UNIT:	W-06	W-08	W-12	W-15	W-18
COOLING BTUH	6,000	8,000	12,000	15,000	18,000
HEATING BTUH (@ 47F)	6,700	9,000	13,500	17,000	20,000
MITSUBISHI MODEL NO.	PKFY-L08NLMU-A	PKFY-L08NLMU-A	PKFY-L12NLMU-A	PKFY-L15NLMU-A	PKFY-L18NLMU-A
ARRANGEMENT	WALL MOUNT	WALL MOUNT	WALL MOUNT	WALL MOUNT	WALL MOUNT
DIMENSIONS - D X W X H	30-7/16 x 9-11/32 x 11-25/32	30-7/16 x 9-11/32 x 11-25/32	30-7/16 x 9-11/32 x 11-25/32	35-23/64 x 9-11/32 x 11-25/32	35-3/8 x 9-11/32 x 11-25/32
WEIGHT, LBS.	25	25	25	28	28
CFM	191	237	297	353	438
EXT S.P., IN. W.C.	0	0	0	0	0
SOUND dBA - HIGH CFM dB(A)	31	35	41	40	46
ELECTRICAL	208-1-60	208-1-60	208-1-60	208-1-60	208-1-60
MCA	0.24A	0.24A	0.24A	0.24A	0.24A
COND. DRAIN CONN. SIZE	5/8"	5/8"	5/8"	5/8"	5/8"
LIQUID LINE SIZE	1/4"	1/4"	1/4"	1/4"	1/4"
GAS LINE SIZE	1/2"	1/2"	1/2"	1/2"	1/2"
OUTDOOR COND. UNITS					
NOMINAL SIZE	3 TON	3.5 TON	4 TON		
MITSUBISHI MODEL NO.	MXZ-SM36NLHZ	MXZ-SM42NLHZ	MXZ-SM48NLHZ		
COOLING BTUH	36,000	42,000	48,000		
HEATING AT 47F	42,000	48,000	54,000		
HEATING AT 5F	42,000	48,000	54,000		
ELECTRICAL	208/1/60	208/1/60	208/1/60		
MCA	45.0	45.0	45.0		
MOP	80	80	80		
SOUND dBA - HIGH	53	54	54		
DIMENSIONS H x W x D	53 x 42 x 13	53 x 42 x 13	53 x 42 x 13		
WEIGHT, LBS.	283	283	283		
LIQUID LINE SIZE	3/8"	3/8"	3/8"		
HOT GAS LINE SIZE	5/8"	5/8"	5/8"		
NOTES:					
1. POWER TO CU'S BY DIV 26. WIRING BETWEEN AC AND CU PROVIDED BY DIV 23.					
2. REFRIGERANT SHALL BE R454B.					
3. PROVIDE PAN HEATERS FOR CONDENSING UNITS.					
4. PROVIDE CONDENSATE PUMP FOR ALL WALL MOUNTED INDOOR UNITS. CONDENSATE PUMP AND APPURTENANCES SHALL BE CAPABLE OF FITTING WITHIN THE INDOOR UNIT.					
5. PROVIDE HAIL AND SNOW GUARDS FOR CONDENSING UNITS.					

REGISTERS - GRILLES - DIFFUSERS (RGD) SCHEDULE										
TAG	MFR.	MODEL	TYPE	NECK SIZE	FACE SIZE	MAX CFM	MAX TOTAL P.D. (IN.W.C.)	MAX NC LEVEL	BLOW	NOTES
S-1	METALAIRE	V4004-AF	ALUM. DOUBLE DEFL. SUPPLY, W/ DAMPER	6" X 4"	7.75" X 5.75"	100	0.10"	20	ADJUSTABLE	
S-2	METALAIRE	V4004-AF	ALUM. DOUBLE DEFL. SUPPLY, W/ DAMPER	8" X 6"	9.75" X 7.75"	180	0.10"	21	ADJUSTABLE	
S-3	METALAIRE	V4004-AF	ALUM. DOUBLE DEFL. SUPPLY, W/ DAMPER	8" X 8"	9.75" X 9.75"	250	0.10"	21	ADJUSTABLE	
R-1	METALAIRE	V4002R	ALUM. RETURN, 3/4" SPACING, 45 DEG VANES, W/ DAMPER	8" X 6"	9.75" X 7.75"	110	0.05"	20	-----	6" DIA RUNOUT
R-2	METALAIRE	V4002R	ALUM. RETURN, 3/4" SPACING, 45 DEG VANES, W/ DAMPER	8" X 8"	9.75" X 9.75"	220	0.05"	20	-----	8" DIA RUNOUT
GENERAL NOTE: ALL RGDs ON THE THIRD & FOURTH FLOORS SHALL BE SW 6244 NAVAL (COORDINATE WITH ARCHITECTURAL DOCUMENTS), & ALL RGDs ON THE SECOND FLOOR SHALL MATCH THE COLOR OF THE EXISTING RGDs.										

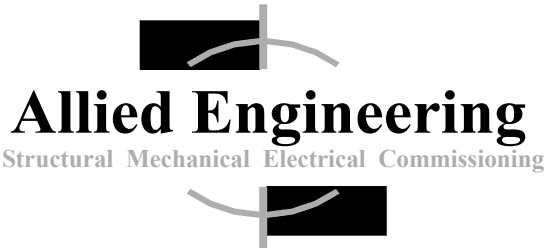
HYDRONIC FIN TUBE SCHEDULE											
TAG	BTU/FT.	GPM	TUBE SIZE	FIN STYLE	FINS / FT.	EWT °F	EAT °F	ENCLOSURE			TYPICAL UNIT MFG. & MODEL NO.
								H	D	STYLE	
FT-1	720	1.0	3/4	2-1/2" X 2-3/4"	60	180	65	10.75	3.125	LB2	STERLING
NOTES: FOR FUTURE; AT 140°F HEATING OUTPU = 390 BTU/FT.											

HYDRONIC PUMP SCHEDULE															
TAG	SYSTEM	MFR.	MODEL	SUCTION DISCH	TYPE	PUMPED FLUID	PERFORMANCE		ELECTRICAL COORDINATION						NOTES
							GPM	HEAD (FT.)	MOTOR HP	VOLTS/PH (60 Hz.)	STARTER TYPE	STARTER FURN. BY	BOTH PUMPS RUN?	DISC. SWITCH FURN BY	
P-1	DOAS-1	GRUNDFOS	MAGNA3 - 32-60 GF	1 X 1	FREEZE PROTECTION	WATER	5	15	106	115/1/60	ECM	ECM BUILT-IN	NO, LEAD-LAG	DIV 26	
NOTES:															

AIR HANDLING UNIT SCHEDULE		
GENERAL	TAG	DOAS-1
	LOCATION	ROOF
	TYPE	PACKAGED DOAS
	MFR.	TRANE
	MODEL	HORIZON - OABE084A3
	MAX. DIMENSIONS	161"L X 52"W X 55"H
	WEIGHT (LBS)	2,056
	MIN. OA CFM - AHU DESIGN	1,845
	MIN OA CFM - SET POINT	605
	OA %	100.0%
ELECTRICAL	VOLTAGE	208-3-60
	FLA	47.6
	MCA	53.5
	MOP	70
	VFD FURNISHED BY	UNIT MFR.
	DISCONNECT SW. FURN BY	UNIT MFR.
	SMOKE DETECTOR (SD) - SUPPLY & RETURN	YES
	SD'S FURN BY	UNIT MFR.
	SD'S INSTALLED IN DUCT BY	UNIT MFR.
	SD'S WIRED TO HVAC CONTROLS BY	DIV 23
SD'S WIRED TO FIRE ALARM BY	DIV 26	
SINGLE POINT POWER CONNECTION	YES	
OA DAMPER	2 POSITION - CLASS 1A	
SUPPLY FILTER SECTION	TYPE	MERV 13
	MODULE PD; FILTER CONDITION: DIRTY	0.26"
	MIN. AREA, SF	-----
EXHAUST FILTER SECTION	VELOCITY, FPM	-----
	TYPE	MERV 8
	MODULE PD, in. wc. - DIRTY	0.20"
	MIN. AREA, SF	-----
	VELOCITY, FPM	-----
AIR BLENDER		NO
FACE & BYPASS SECTION	INTERNAL	YES
PRIMARY HEATING; HEAT PUMP	EAT, deg-F.	51.5
	LAT, deg-F.	85.3
	TMBTUH	73.3
	COP	3.8
	AMBIENT AIR	34.0
SECONDARY HEATING COIL	EAT, deg-F.	51.5
	LAT, deg-F.	78.9
	TMBTUH	54.8
	MIN COIL AREA, SF	-
	MAX AIR PD, in. wc.	0.2
	COIL FACE VELOCITY	603.0
	FLUID	WATER
	EWT, deg-F	140.0
	LWT, deg-F	118.2
	GPM	5.0
	WATER PD, ft-H2O	0.3
PACKAGED DX COOLING	COMP. QTY.	1
	COMP. TYPE	DIGITAL SCROLL
	MIN. COOLING STAGES	MODULATING
	AMBIENT	95F
	MODULATING HOT GAS REHEAT	YES
	ASHRAE 90.1-2019 COMPLIANT?	YES
	EER AT AHRI CONDITIONS	15.7
COOLING COIL	ISMRE (MOISTURE REMOVAL EFFICIENCY)	6.5
	TYPE	DX
	ENT. AIR, DB / WB	78.9 / 66.0
	LVG. AIR, DB / WB	52.2 / 52.0
	TMBTUH	75.2
	SMBTUH	53.0
	MIN COIL AREA, SF	5.5
	MAX AIR PD, in. wc.	0.36"
	COIL FACE VELOCITY	335
	REFRIGERANT	R-454B
SUPPLY FAN	FAN TYPE	PLENUM
	FAN QTY.	1
	MOTOR TYPE	PREMIUM EFF.
	CFM STD. AIR	1,845
	ESP, in. wc.	2"
	TSP, in. wc.	3.70"
	MAX-BHP	1.55
	MOTOR HP	3
EXHAUST FAN	FAN SERVICE	EXHAUST
	QTY - TYPE	1 PLENUM
	MOTOR TYPE	PREMIUM EFF.
	CFM STD. AIR	1,825
	ESP, in. wc.	2"
	TSP, in. wc.	3.02"
	MAX-BHP	1.53
	MOTOR HP	3
ENERGY RECOVERY	TYPE	WHEEL
	WINTER OA DESIGN	-5°F
	WINTER SA "F DB	51.5
	SUMMER OA DESIGN	89°F DB / 74°F WB
	SUMMER SA "F DB/WB	78.9 / 66.0
	SUMMER SENSIBLE / LATENT EFFECTIVENESS	78% / 73%
	WINTER SENSIBLE / LATENT EFFECTIVENESS	78% / 74%
BYPASS DAMPER	YES	
	FROST CONTROL	MODULATING WHEEL
PROVIDE:		
1. STAINLESS STEEL DRAIN PAN		
2. CONDENSER HAILGUARD		
3. HORIZONTAL RETURN & DISCHARGE		
4. FUSED DISCONNECT SWITCH W/115V OUTLET		
5. AIRFLOW MONITORING PIEZO RINGS		
6. HIGH STATIC ALARM SWITCH		



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



**160 Veranda Street  
Portland, Maine 04103**  
**T: 207.221.2260**  
**F: 207.221.2266**  
**Web: [www.allied-eng.com](http://www.allied-eng.com)**

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No: 2303M

Cad File

PROJECT NAME:

MCJA - BUILDING  
C LIMITED  
RENOVATIONS

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL

NOT FOR  
CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

DD - ADDENDUM 1/23/2025

DATE OF ISSUE: APRIL 8, 2025

PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID - NOT FOR CONSTRUCTION

## MECHANICAL SCHEDULES

# M-600

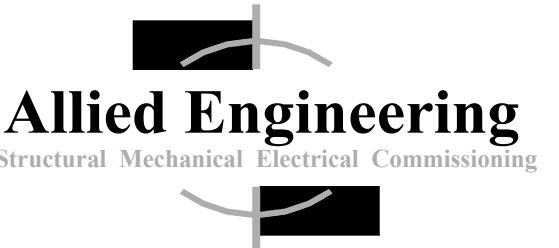


G	A AMPERE		MC MICROPHONE						
	AC ALTERNATING CURRENT		MW MICROWAVE						
	AFF ABOVE FINISHED FLOOR		MLO MAIN LUG ONLY						
	AFG ABOVE FINISHED GRADE		MT MOUNT						
	AHU AIR HANDLING UNIT		MTS MANUAL TRANSFER SWITCH						
	AIC AMPERES INTERRUPTING CAPACITY		MCP MOTOR CONTROL PANEL						
	ATS AUTOMATIC TRANSFER SWITCH		MH METAL HALIDE						
	AWG AMERICAN WIRE GAUGE		MDP MAIN DISTRIBUTION PANEL						
	BAS BUILDING AUTOMATION SYSTEM		MIN MINIMUM						
	BKBD BACKBOARD		N NEUTRAL						
F	C CONDUIT		NC NORMALLY CLOSED						
	CAT CATALOG, CATEGORY		NEC NATIONAL ELECTRICAL CODE						
	CATV CABLE TV		NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION						
	CB CIRCUIT BREAKER		NFPA NATIONAL FIRE PROTECTION ASSOCIATION						
	CCTV CLOSED CIRCUIT TELEVISION		NIC NOT IN CONTRACT						
	CM CIRCULAR MILS		NF NON-FUSED						
	COMM COMMUNICATIONS		NO NORMALLY OPEN						
	CU MECH CONDENSING UNIT		NO., # NUMBER						
	CU COPPER		NTS NOT TO SCALE						
	CUH CABINET UNIT HEATER		OC ON CENTER						
E	DC DIRECT CURRENT		OCC OCCUPANCY						
	DDC DIGITAL DIRECT CONTROL		OH OVERHEAD						
	DN DOWN		P POLE						
	DW DISHWASHER		PA PUBLIC ADDRESS						
	DWG DRAWING		PB PULLBOX						
	EF EXHAUST FAN		PH, PHASE						
	ELEV ELEVATOR		PIR PASSIVE INFRARED						
	EMT ELECTRICAL METALLIC TUBING		PNL PANELBOARD						
	EP EXPLOSION PROOF		P/O PART OF						
	ERU ENERGY RECOVERY UNIT		PV PHOTOVOLTAIC						
D	EWC ELECTRIC WATER COOLER		PVC POLY-VINYL CHLORIDE						
	FACP FIRE ALARM CONTROL PANEL		REC RECEPTABLE RECEPT						
	FB FLOOR BOX		REF REFRIGERATOR						
	FLA FULL LOAD AMPS		RF RETURN FAN						
	FWE FURNISHED WITH EQUIPMENT		RGS RIGID GALVANIZED STEEL						
	G, GND GROUND		RM ROOM						
	GFCI GROUND FAULT CIRCUIT INTERRUPTER		RMC RIGID METAL CONDUIT						
	GFP GROUND FAULT PROTECTION		RTU ROOFTOP UNIT						
	HID HIGH INTENSITY DISCHARGE		REF REFRIGERATOR						
	HOA HAND-OFF-AUTO SELECTOR SWITCH		SF SUPPLY FAN						
C	HP HORSEPOWER		SPDT SINGLE POLE, DOUBLE THROW						
	HVAC HEATING, VENTILATION AND COOLING UNIT		SQ SQUARE						
	IDS INTRUSION DETECTION SYSTEM		TEL TELEPHONE						
	IG ISOLATED GROUND		TVSS TRANSIENT VOLTAGE SURGE SUPPRESSOR						
	IMC INTERMEDIATE METAL CONDUIT		TYP TYPICAL						
	IR INFRARED		UF UNDER FLOOR						
	K KILO		UG UNDERGROUND						
	KCMIL KILO CIRCULAR MILS		UH UNIT HEATER						
	KW KILOWATT		UL UNDERWRITER'S LABORATORY						
	KVA KILO VOLT-AMPS		UNO UNLESS NOTED OTHERWISE						
B	LAN LOCAL AREA NETWORK		UPS UNINTERRUPTIBLE POWER SUPPLY						
	LC LIGHTING CONTACTOR		V VOLTS						
	LF LINEAR FEET		VFD VARIABLE FREQUENCY DRIVE						
	LC LOADCENTER		VIF VERIFY IN FIELD						
	LCP LIGHTING CONTROL PANEL		W WATT						
	LED LIGHT EMITTING DIODE		WP WEATHERPROOF						
	LTG LIGHTING		WG WIREGUARD						
	LTS LIGHTS		XFMR TRANSFORMER						
	MAX MAXIMUM		(E) EXISTING ITEM TO REMAIN						
	MCB MAIN CIRCUIT BREAKER		(ER) RELOCATED ITEM AT NEW LOCATION						
A	MECH MECHANICAL		(RL) REMOVE AND RELOCATE						
	MH MOUNTING HEIGHT		(R) REMOVE ITEM AND DISPOSE OF PROPERLY						
			(ER) RELOCATED ITEM AT NEW LOCATION						
			(RL) REMOVE AND RELOCATE						
A1 ABBREVIATIONS		A3 POWER DISTRIBUTION		A4 LIGHTING		A7 RECEPTACLES		A9 FIRE ALARM LEGEND	

Autodesk Docs\Maine Criminal Justice Academy\230304MEP\_R23.rvt



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.  
Allied Project No: 23030  
Cad File:

PROJECT NAME:  
**MCJA - BUILDING C LIMITED RENOVATIONS**

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

**NOT FOR CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF SIMONS ARCHITECTS (SA) AND IS NOT TO BE COPIED OR REPRODUCED IN PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: **APRIL 8, 2025**  
PROJECT NUMBER: **2023-0070**  
STATUS: **ISSUED FOR BID - NOT FOR CONSTRUCTION**

**ELECTRICAL LEGEND AND ABBREVIATIONS**

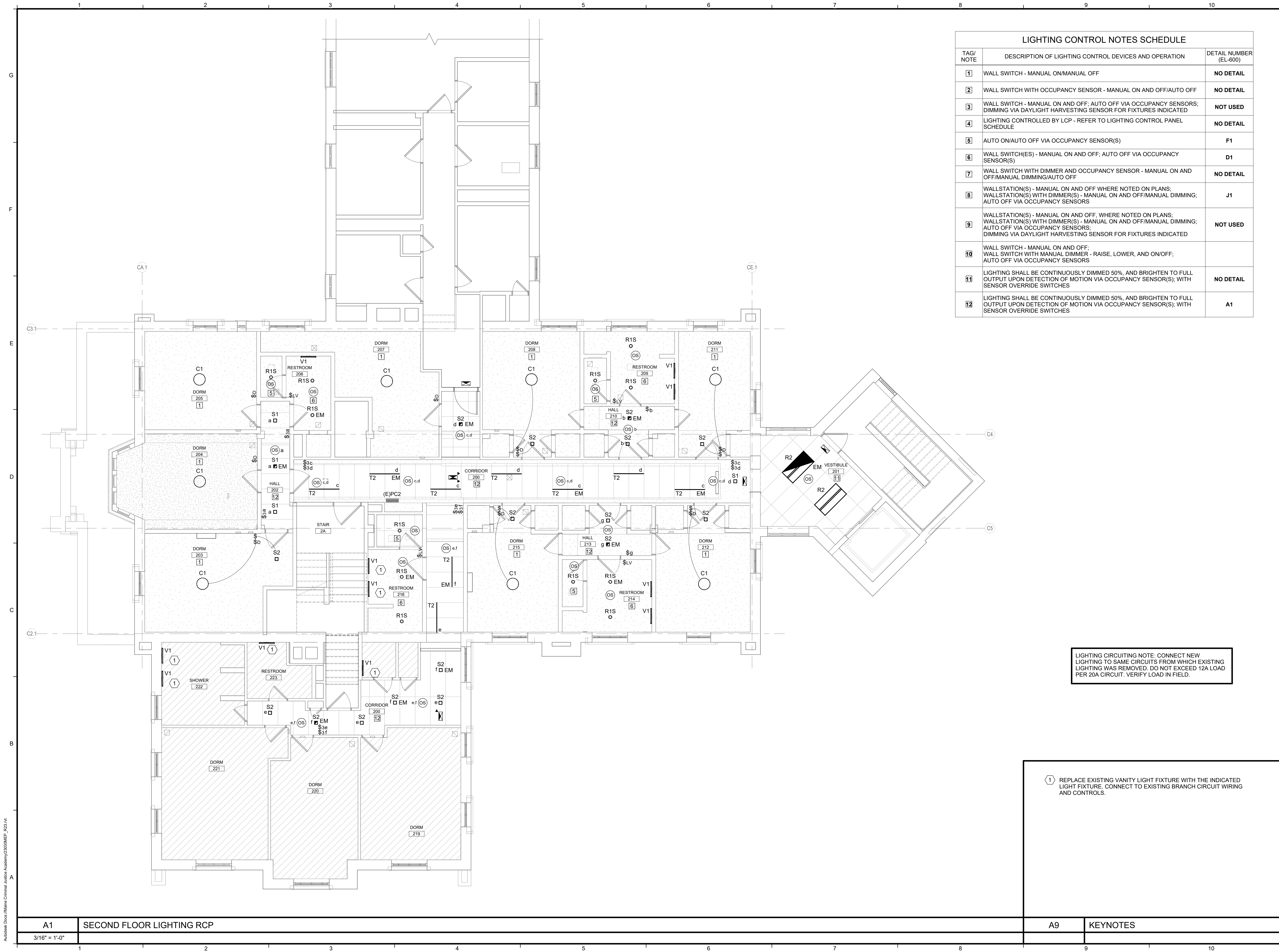
**E-000**



Autodesk Docs\\Maine Criminal Justice Academy\\2023\\MEPJ\_R23.rvt

G	PROJECT NOTES	INSTALLATION COORDINATION NOTES	WIRING NOTES	SYSTEM POWER WIRING NOTES				
					1. THE SCOPE OF WORK SHALL INCLUDE PROVIDING ALL WORK INDICATED UNLESS OTHERWISE SPECIFICALLY INDICATED AS EXISTING OR WORK BY OTHERS, AND COORDINATION WITH ALL TRADES SCOPE OF WORK AS INDICATED ON THE CONTRACT DOCUMENTS INCLUDING BOTH THE DRAWINGS AND THE SPECIFICATIONS, WHICH ARE COMPLIMENTARY. WORK REQUIREMENTS INDICATED IN ANY CONTRACT DOCUMENT SHALL BE CONSIDERED PART OF THE SCOPE OF WORK, UNLESS SPECIFICALLY INDICATED AS EXISTING OR WORK BY OTHERS.	1. PRIOR TO ROUGH-IN OF ELECTRICAL PROVISIONS FOR OWNER FURNISHED EQUIPMENT AND EQUIPMENT PROVIDED BY OTHER TRADES, COORDINATE WITH THE GENERAL CONTRACTOR, EQUIPMENT SHOP DRAWINGS AND APPLICABLE EQUIPMENT INSTALLER FOR EXACT LOCATION AND WIRING REQUIREMENTS. PROVIDE ALL NECESSARY EQUIPMENT, WIRING AND ACCESSORIES FOR A COMPLETE INSTALLATION. MAKE ALL FINAL CONNECTIONS AS REQUIRED, I.E. POWER, CONTROL, INTERLOCK, ETC.	1. UNLESS OTHERWISE INDICATED ON PLANS OR IN SPECIFICATIONS; ALL CONDUCTORS, POWER DISTRIBUTION EQUIPMENT BUSSING AND TRANSFORMER WINDINGS SHALL BE FABRICATED OF 98% CONDUCTIVE COPPER MATERIAL.	1. ALL VIDEO PROJECTOR, CAMERA AND MONITOR POWER OUTLETS AND THEIR ASSOCIATED COMPUTER POWER OUTLETS FEEDING THE VIDEO SOURCE ARE TO BE CONNECTED TO THE SAME PHASE TO ELIMINATE THE POTENTIAL FOR VIDEO INTERFERENCE BETWEEN VIDEO SOURCE AND EQUIPMENT. COORDINATE ALL POWER WIRING FOR SYSTEM EQUIPMENT WITH THE SYSTEM INSTALLER PRIOR TO INSTALLATION
F	2. IN GENERAL, WORK REQUIREMENTS ARE NOT INDICATED IN BOTH DOCUMENTS. WHERE DOCUMENTS CONFLICT WITHIN THEMSELVES OR WITH CODES AND REGULATIONS, PROVIDE THE HIGHER QUANTITY AND QUALITY AND FOLLOW THE STRICTER REQUIREMENTS.	2. DISCONNECT, REMOVE, RELOCATE, AND RECONNECT ELECTRICAL CONDUIT, WIRING, DEVICES, BOXES, FIXTURES, EQUIPMENT, ETC. AS INDICATED AND AS REQUIRED TO FACILITATE THE WORK OF DIVISION 26 AND OTHER DIVISIONS. THESE DRAWINGS ARE NOT INTENDED TO INDICATE ALL ITEMS TO BE REMOVED.	2. WIRING IS INDICATED ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS.	RECEPTACLE COLOR CODE NOTES  UNLESS OTHERWISE INDICATED PROVIDE 20A HEAVY DUTY GRADE RECEPTACLES WITH COLOR CODE AS FOLLOWS:				
E	3. WORK AT A MINIMUM SHALL BE IN ACCORDANCE WITH OSHA, NFPA STANDARDS, THE ELECTRICAL CODE AND THE LOCAL GOVERNING AUTHORITIES. THE DRAWINGS AND SPECIFICATIONS DO NOT ATTEMPT TO INDICATE ALL WORK REQUIRED BY CODE AND AUTHORITIES. DO NOT INSTALL WORK THAT DOES NOT MEET THE MINIMUM REQUIREMENTS. IF NECESSARY, REQUEST CLARIFICATION FROM ARCHITECT AND ENGINEER BEFORE PROCEEDING.	3. ELECTRICAL EQUIPMENT, RACEWAYS AND OUTLETS MOUNTED TO AND OR INSTALLED IN OWNER FURNISHED FURNITURE SHALL BE COORDINATED WITH THE EQUIPMENT AND FURNITURE INSTALLERS AND THE GENERAL CONTRACTOR PRIOR TO ROUGH-IN. EXCEPT WHERE INDICATED OR REQUIRED OTHERWISE.	3. BRANCH CIRCUIT WIRING NOT SHOWN. CIRCUITING SHALL IN ACCORDANCE WITH APPLICABLE CODES AND STANDARD PRACTICE. PROVIDE A 20A, 1P CIRCUIT BREAKER FOR EACH LIGHTING AND RECEPTACLE CIRCUIT UNLESS OTHERWISE INDICATED OR NOTED. CONNECT NO MORE THAN SIX DUPLEX CONVENIENCE RECEPTACLES PER BRANCH CIRCUIT. CONNECTED LOAD ON LIGHTING CIRCUITS SHALL NOT EXCEED 12 AMPS.	1. ON GENERATOR POWER – RED 2. ON UPS POWER – BLUE 3. ISOLATED GROUND – ORANGE 4. ON NORMAL POWER – IVORY OR AS SELECTED BY ARCHITECT				
D	4. ALL EQUIPMENT SHALL BE INSTALLED IN A NEAT AND PROFESSIONAL MANNER. RECTILINEAR TO BUILDING STRUCTURE.	4. THE LOCATION OF EQUIPMENT, OUTLETS, ETC. AS GIVEN ON THE DRAWINGS IS APPROXIMATE. IT SHALL BE UNDERSTOOD THAT THESE LOCATIONS ARE SUBJECT TO MODIFICATION AS MAY BE FOUND NECESSARY OR DESIRABLE AT THE TIME OF INSTALLATION IN ORDER TO MEET PROJECT REQUIREMENTS. SUCH CHANGES SHALL BE MADE WITHOUT EXTRA CHARGE.	4. ALL WIRING SHALL BE RUN CONCEALED UNLESS SPECIFIED OTHERWISE. ALL EXPOSED WIRING INCLUDING THAT WHICH IS INSTALLED ABOVE BUT IS VISIBLE FROM BELOW, PARTIALLY OR FULLY OPEN CEILING SHALL BE INSTALLED IN CONDUIT OR RACEWAYS. REFER TO SPECIFICATIONS FOR ACCEPTABLE WIRING METHODS.	MOUNTING NOTES  1. DO NOT SCALE THE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS FOR EXACT DIMENSIONS.				
C	5. ALL COMPONENTS SHOWN ON THE RISER DIAGRAMS OR DETAILS, BUT NOT ON THE PLAN OR VICE VERSA SHALL BE INCLUDED AS IF SHOWN ON BOTH.	5. IF EXACT LOCATION, MOUNTING OR RACEWAY ROUTING ARE NOT INDICATED OR ARE NOT CLEAR OR CONFLICT (LOCATION OR HEIGHT) COORDINATE WITH OTHER TRADES AND REQUEST CLARIFICATION PRIOR TO ROUGH-IN OR INSTALLATION. DRAWINGS ARE DIAGRAMMATIC ONLY. EXACT LOCATION, MOUNTING HEIGHTS OR EQUIPMENT AND ROUTING OF RACEWAYS SHALL BE COORDINATED WITH THE EQUIPMENT REQUIREMENTS AND FIELD CONDITIONS.	5. WIRING AND CONDUIT SHALL BE REQUIRED FOR ALL SWITCHES, AND OUTLETS INDICATED WITH CIRCUIT NUMBERS. PROVIDE 1/2 CONDUIT, 3#12 UNLESS OTHERWISE INDICATED (1 PHASE, 1 NEUTRAL AND 1 GROUND). WIRE AND CONDUIT SIZES ON HOME RUNS SHALL BE CONTINUOUS THROUGHOUT CIRCUIT, REFER TO VOLTAGE DROP CHART ON SCHEDULE SHEET. ALTHOUGH ALL BRANCH CIRCUIT WIRE AND CONDUIT IS NOT SHOWN, IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED.	2. INSTALL ALL ELECTRICAL DEVICES (FIRE ALARM, SWITCHES, RECEPTACLES, WORK BOXES, JUNCTION BOXES, EXIT SIGNS, LUMINAIRES, ETC.) IN THE LOCATIONS IDENTIFIED OR DIMENSIONS ON THE ARCHITECTURAL PLANS, DETAILS, OR ELEVATIONS.				
B	6. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE A WORKING INSTALLATION IN EVERY DETAIL AND ALL ITEMS REQUIRED FOR SUCH AN INSTALLATION SHALL BE PROVIDED WHETHER OR NOT SPECIFICALLY INDICATED OR MENTIONED.	6. WHERE LOADS ARE ADDED TO EXISTING BRANCH CIRCUITS. VERIFY THAT THE EXISTING CIRCUITS HAVE ADEQUATE CAPACITY TO SUPPORT THE ADDITIONAL LOAD WITHOUT EXCEEDING SPECIFIED MAXIMUM LOAD.	6. RACEWAYS SHALL BE LIMITED TO SIX CURRENT CARRYING CONDUCTORS (PHASE AND NEUTRALS) AND GROUNDING CONDUCTOR. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH SINGLE-PHASE RECEPTACLE OR LIGHTING CIRCUIT, UNLESS OTHERWISE INDICATED OR IF AN OVERSIZED NEUTRAL IS SPECIFIED. CIRCUITS WITH SHARED NEUTRALS SHALL BE PROVIDED WITH CIRCUIT BREAKERS THAT HAVE A COMMON TRIP (E.G. FURNITURE WHIPS)	3. IF THE DEVICE LOCATION IS NOT SPECIFICALLY SHOWN ON ARCHITECTURAL DRAWINGS, FOLLOW THE GUIDELINES LISTED BELOW:				
A	7. VISIT THE SITE TO DETERMINE PRE-EXISTING CONDITIONS AND WORK NECESSARY PRIOR TO SUBMISSION OF BID PRICE. SUBMIT ANY QUESTIONS REQUIRED TO CLARIFY SCOPE PRIOR TO BID. INCLUDE ALL REQUIRED WORK IN BID PRICE.	7. UNLESS OTHERWISE DIRECTED, PROVIDE ALL NEW POWER DISTRIBUTION EQUIPMENT WITH AIC RATINGS THAT MATCH OR EXCEED THE AIC RATING OF THE NEXT ACTIVE EXISTING UPSTREAM OVER-CURRENT PROTECTIVE DEVICE SERVING THE PANEL WHEN SERVED DIRECTLY BY ITS SOURCE (E.G. NO TRANSFORMER) OR PROVIDE AIC RATING THAT EXCEEDS BY 10% THE MAXIMUM LET THROUGH FAULT CURRENT (UNDER INFINITE PRIMARY BUSS) OF THE NEXT ACTIVE UPSTREAM TRANSFORMER (EXISTING OR NEW) SERVING THE RESPECTIVE PANEL.	7. MARK ALL CONDUITS AND JUNCTION BOXES WITH PERMANENT MARKER INDICATING PANEL AND CIRCUIT NUMBER OF CONDUCTORS CONTAINED WITHIN. LABEL WHERE CONDUITS ENTER PANELS, WIRE WAYS, PULL BOXES, ETC. LABEL EMPTY CONDUITS WITH SYSTEM (VOICE, DATA, SECURITY, ETC.) AND SOURCE OF CONDUIT.	4. INSTALL NEARBY DEVICES ON ONE COMMON VERTICAL CENTERLINE				
	8. INCLUDE IN BID WHATEVER IS REQUIRED TO MEET SCHEDULE INCLUDING OVERTIME, EXPRESS SHIPPING, EXPEDITING EQUIPMENT, ETC. PLAN FOR PROJECT AND SUBMIT SHOP DRAWING AND ORDER EQUIPMENT IN A TIMELY MANNER. EQUIPMENT SHALL BE BASED ON THE SPECIFIED EQUIPMENT.	8. ALL NEW PANELS SHALL BE FULLY RATED FOR THE DESIGNATED AIC VALUE; PANELS UTILIZING SERIES RATINGS WILL NOT BE ACCEPTABLE. NEW CIRCUIT BREAKERS PROVIDED IN EXISTING PANELS SHALL BE PROVIDED WITH AIC RATINGS THAT MATCH OR EXCEED THE HIGHEST RATED OVER-CURRENT PROTECTIVE DEVICE WITHIN THE RESPECTIVE EXISTING PANEL.	8. COORDINATE WITH OWNER TO DETERMINE WHICH RECEPTACLES AND ITEMS OF EQUIPMENT REQUIRE STANDBY GENERATOR POWER.	5. INSTALL ADJACENT TO DEVICES LINED UP WITH A COMMON BOTTOM LINE.				
	9. ANY EQUIPMENT TO BE SUBSTITUTED SHALL BE IDENTIFIED AT THE TIME OF BID. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SUBSTITUTIONS.	9. SUBMIT SHORT CIRCUIT STUDY WITH POWER DISTRIBUTION EQUIPMENT SUBMITTALS FOR REVIEW AND APPROVAL. IN THE STUDY DEMONSTRATE THAT THE AIC RATING SELECTIONS ARE PROPERLY INTEGRATED AND COORDINATED WITH THE EXISTING AND NEW POWER DISTRIBUTION EQUIPMENT. CONFIRM THAT THE AIC RATING SELECTIONS HAVE INCORPORATED THE AVAILABLE FAULT DUTY VALUES OBTAINED FROM THE UTILITY COMPANY FOR THE PROJECTS ELECTRICAL SERVICE POINT OF COMMON COUPLING.	9. ELECTRICAL WORK NOT SERVING STAIRWELLS SHALL NOT PASS THROUGH A STAIR ENCLOSURE UNLESS AN APPROVED RATED SOFFIT IS PROVIDED TO MAINTAIN FIRE AND SMOKE RATING.	6. INSTALL DEVICES AT INDICATED HEIGHT AS APPLICABLE UNLESS OTHERWISE NOTED. ALL MOUNTING HEIGHTS SHALL BE MEASURED FROM FINISHED FLOOR TO CENTERLINE OF DEVICE EXCEPT AS INDICATED BY NOTE 7.				
	10. ALL ELECTRICAL DEVICES, WHEN INSTALLED, SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. COVER PLATES SHALL BE INSTALLED AFTER FINISH MATERIALS HAVE BEEN APPLIED.	10. SUBMIT OVER-CURRENT PROTECTIVE DEVICE COORDINATION STUDY, FOR ALL NEW POWER DISTRIBUTION EQUIPMENT, WITH THE POWER DISTRIBUTION EQUIPMENT SUBMITTALS FOR REVIEW AND APPROVAL. INCLUDE THE NEXT ACTIVE EXISTING UPSTREAM OVER-CURRENT PROTECTIVE DEVICES, IN THE STUDY ANALYSIS, WHEN PROJECT IS WITHIN AN EXISTING FACILITY.	10. ALL RACEWAYS CROSSING EXPANSION JOINTS SHALL BE EQUIPPED WITH EXPANSION FITTINGS.	7. ON MASONRY WALLS LINE UP THE BOTTOM OF THE DEVICE WITH A MASONRY JOINT AS CLOSE TO THE INDICATED HEIGHT AS PRACTICAL.				
	11. TEST ALL EQUIPMENT AND SYSTEMS INSTALLED TO CERTIFY COMPLIANCE WITH DRAWINGS, SPECIFICATIONS, CODES, LOCAL AUTHORITIES AND REGULATIONS, INCLUDE LABOR AND COSTS FOR TESTING, REVIEWS, COMMISSIONING, APPROVALS AND CERTIFICATIONS.	11. SUBMIT ARC FLASH REPORT, FOR ALL NEW POWER DISTRIBUTION EQUIPMENT, WITH POWER DISTRIBUTION EQUIPMENT SUBMITTALS FOR REVIEW AND APPROVAL.	11. PROVIDE WATERTIGHT AND GAS TIGHT SEALS INSIDE AND OUTSIDE OF CONDUITS THAT PENETRATE THE BUILDING BELOW GRADE. O.Z. GEDNEY OR APPROVED EQUAL. PROVIDE WEATHER TIGHT SEAL AT PENETRATIONS ABOVE GRADE.	8. MOUNT PANELS SIX FEET TO THE TOP OF THE PANEL OR ANNUNCIATOR/ FA GRAPHIC.				
	12. PROVIDE TRAINING TO OWNER ON ALL EQUIPMENT AND SYSTEMS INSTALLED.		12. PROVIDE NRTL LISTED SMOKE AND FIRE SEALS AT ALL PENETRATIONS THROUGH FLOORS OR FULL HEIGHT (FLOOR TO FLOOR) WALLS.	9. MOUNT AT 8 FOOT TO BOTTOM FOR SIGNAGE, EMERGENCY LIGHTING, CLOCKS, SECURITY SENSORS, WALL MOUNTED OCCUPANCY SENSORS MODIFIED AS FOLLOWS: 4" FROM TOP OF DEVICE TO CEILING AND 4" ABOVE DOOR FRAMES.				
	13. TEMPORARY LIGHTING AND POWER SHALL BE PROVIDED AS REQUIRED BY OSHA, CODES AND LOCAL AUTHORITIES. REMOVE ALL TEMPORARY FACILITIES PROVIDED AT PROJECT COMPLETION.			10. LOCATE CONTROL DEVISE AT LEAST 18' FROM AN INSIDE CORNER.				
	D2	ELECTRICAL GENERAL NOTES						





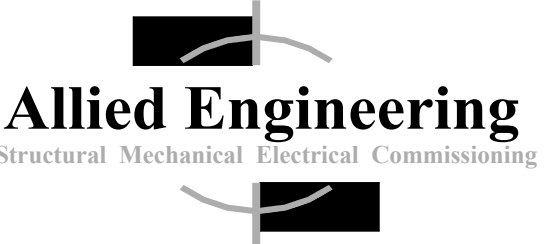
LIGHTING CONTROL NOTES SCHEDULE		
TAG/ NOTE	DESCRIPTION OF LIGHTING CONTROL DEVICES AND OPERATION	DETAIL NUMBER (EL-600)
1	WALL SWITCH - MANUAL ON/MANUAL OFF	NO DETAIL
2	WALL SWITCH WITH OCCUPANCY SENSOR - MANUAL ON AND OFF/AUTO OFF	NO DETAIL
3	WALL SWITCH - MANUAL ON AND OFF; AUTO OFF VIA OCCUPANCY SENSORS; DIMMING VIA DAYLIGHT HARVESTING SENSOR FOR FIXTURES INDICATED	NOT USED
4	LIGHTING CONTROLLED BY LCP - REFER TO LIGHTING CONTROL PANEL SCHEDULE	NO DETAIL
5	AUTO ON/AUTO OFF VIA OCCUPANCY SENSOR(S)	F1
6	WALL SWITCH(ES) - MANUAL ON AND OFF; AUTO OFF VIA OCCUPANCY SENSOR(S)	D1
7	WALL SWITCH WITH DIMMER AND OCCUPANCY SENSOR - MANUAL ON AND OFF/MANUAL DIMMING/AUTO OFF	NO DETAIL
8	WALLSTATION(S) - MANUAL ON AND OFF WHERE NOTED ON PLANS; WALLSTATION(S) WITH DIMMER(S) - MANUAL ON AND OFF/MANUAL DIMMING; AUTO OFF VIA OCCUPANCY SENSORS	J1
9	WALLSTATION(S) - MANUAL ON AND OFF, WHERE NOTED ON PLANS; WALLSTATION(S) WITH DIMMER(S) - MANUAL ON AND OFF/MANUAL DIMMING; AUTO OFF VIA OCCUPANCY SENSORS; DIMMING VIA DAYLIGHT HARVESTING SENSOR FOR FIXTURES INDICATED	NOT USED
10	WALL SWITCH - MANUAL ON AND OFF; WALL SWITCH WITH MANUAL DIMMER - RAISE, LOWER, AND ON/OFF; AUTO OFF VIA OCCUPANCY SENSORS	
11	LIGHTING SHALL BE CONTINUOUSLY DIMMED 50%, AND BRIGHTEN TO FULL OUTPUT UPON DETECTION OF MOTION VIA OCCUPANCY SENSOR(S); WITH SENSOR OVERRIDE SWITCHES	NO DETAIL
12	LIGHTING SHALL BE CONTINUOUSLY DIMMED 50%, AND BRIGHTEN TO FULL OUTPUT UPON DETECTION OF MOTION VIA OCCUPANCY SENSOR(S); WITH SENSOR OVERRIDE SWITCHES	A1

LIGHTING CIRCUITING NOTE: CONNECT NEW  
LIGHTING TO SAME CIRCUITS FROM WHICH EXISTING  
LIGHTING WAS REMOVED. DO NOT EXCEED 12A LOAD  
PER 20A CIRCUIT. VERIFY LOAD IN FIELD.

1 REPLACE EXISTING VANITY LIGHT FIXTURE WITH THE INDICATED  
LIGHT FIXTURE. CONNECT TO EXISTING BRANCH CIRCUIT WIRING  
AND CONTROLS.



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No: 23030

Cad File:

PROJECT NAME:

MCJA - BUILDING  
C LIMITED  
RENOVATIONS

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

NOT FOR  
CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APRIL 8, 2025

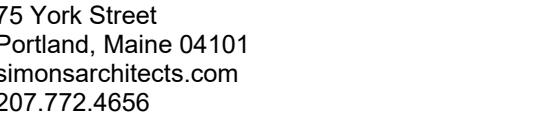
PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID - NOT  
FOR CONSTRUCTION

LIGHTING PLAN -  
SECOND FLOOR

EL-102





© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No: 23030

Cad File:

PROJECT NAME:

**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**

15 OAK GROVE RD  
WASSALBORO, ME 04989

SEAL:

NOT FOR  
CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
© 2023 © SCOTT SIMONS ARCHITECTS, LLC

## REVISIONS

DATE OF ISSUE: APRIL 8, 2025

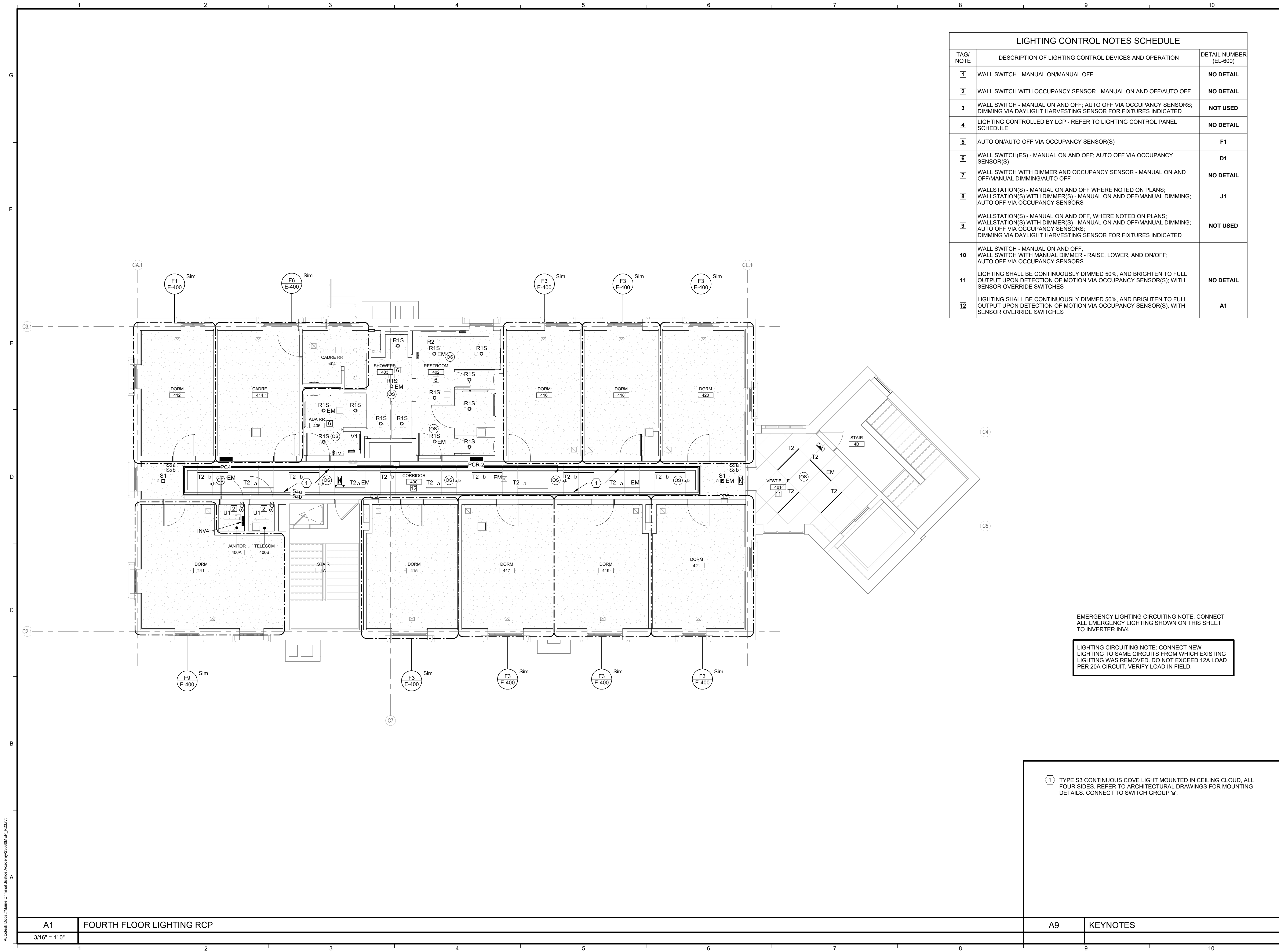
PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID - NOT FOR CONSTRUCTION

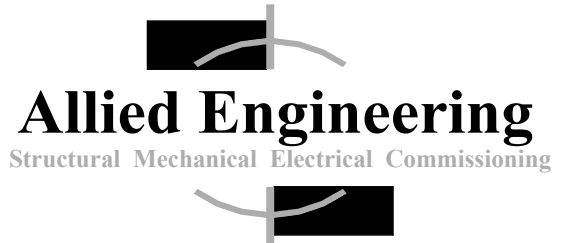
## LIGHTING PLAN - THIRD FLOOR

# EL-103





75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No: 23030

Cad File:

PROJECT NAME:

## MCJA - BUILDING C LIMITED RENOVATIONS

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

### NOT FOR CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF SIMONS ARCHITECTS (SA) AND IS NOT TO BE COPIED OR REPRODUCED IN PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

REVISIONS

DATE OF ISSUE: APRIL 8, 2025

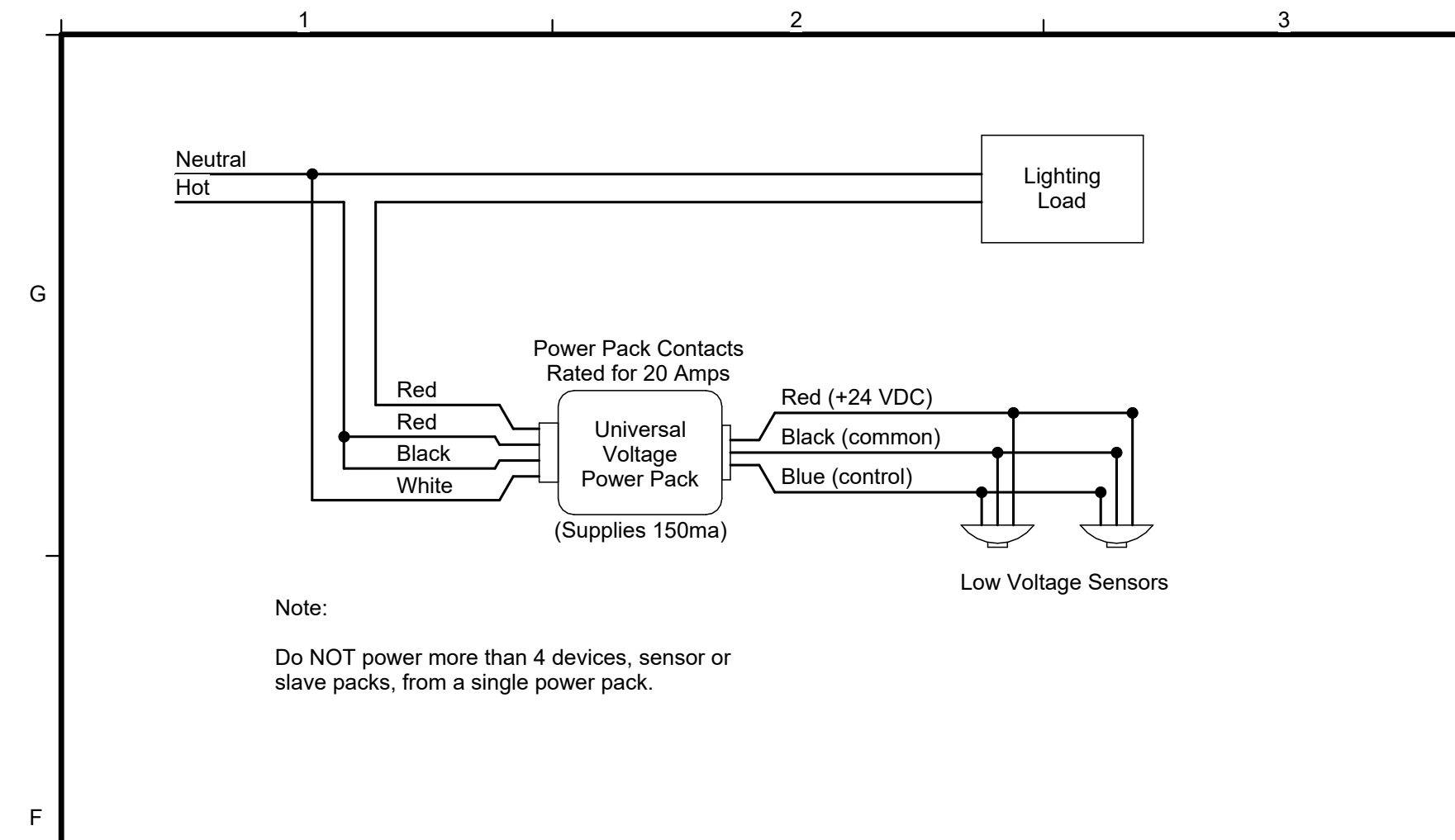
PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID - NOT FOR CONSTRUCTION

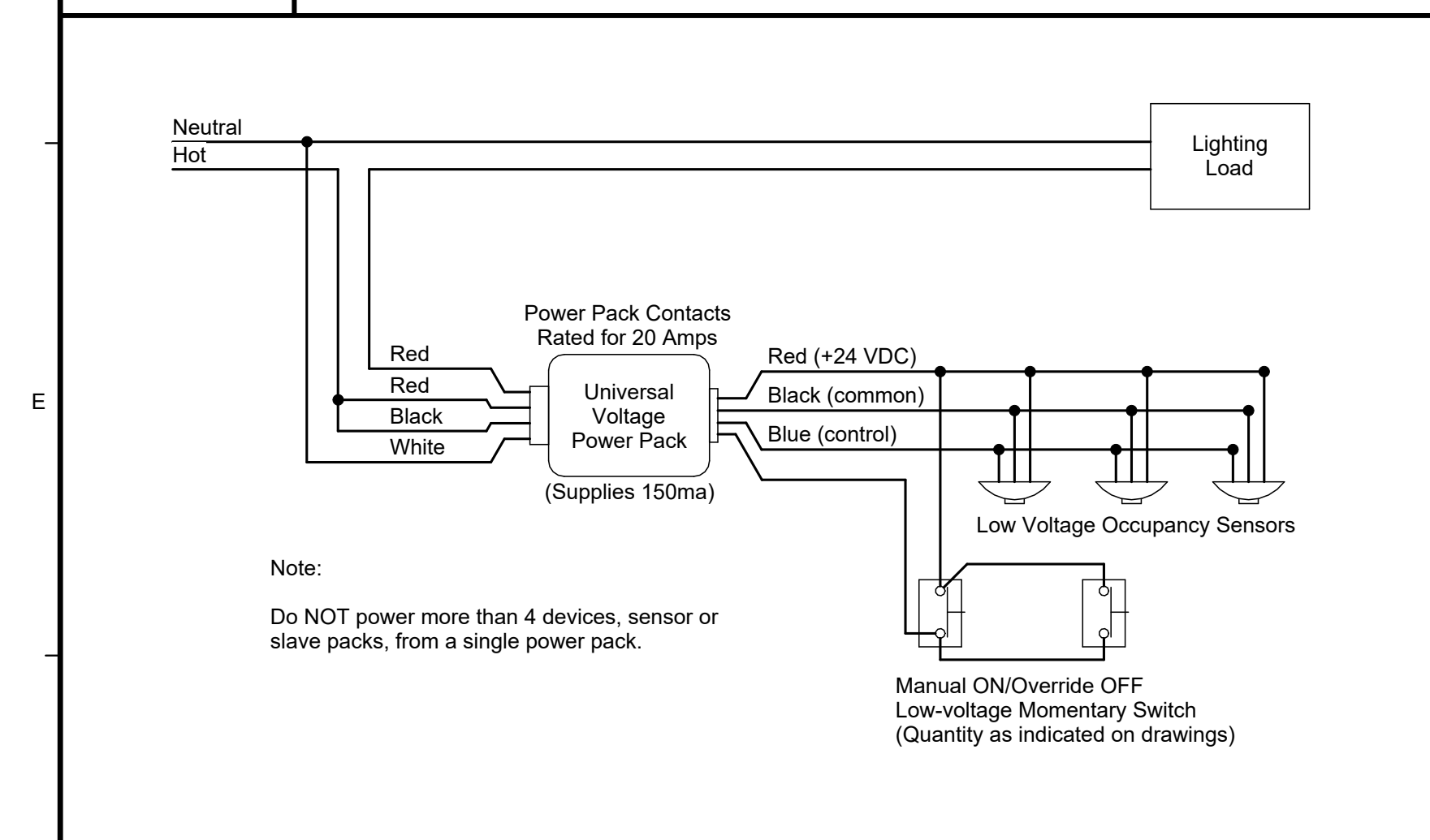
## LIGHTING PLAN - FOURTH FLOOR

# EL-104

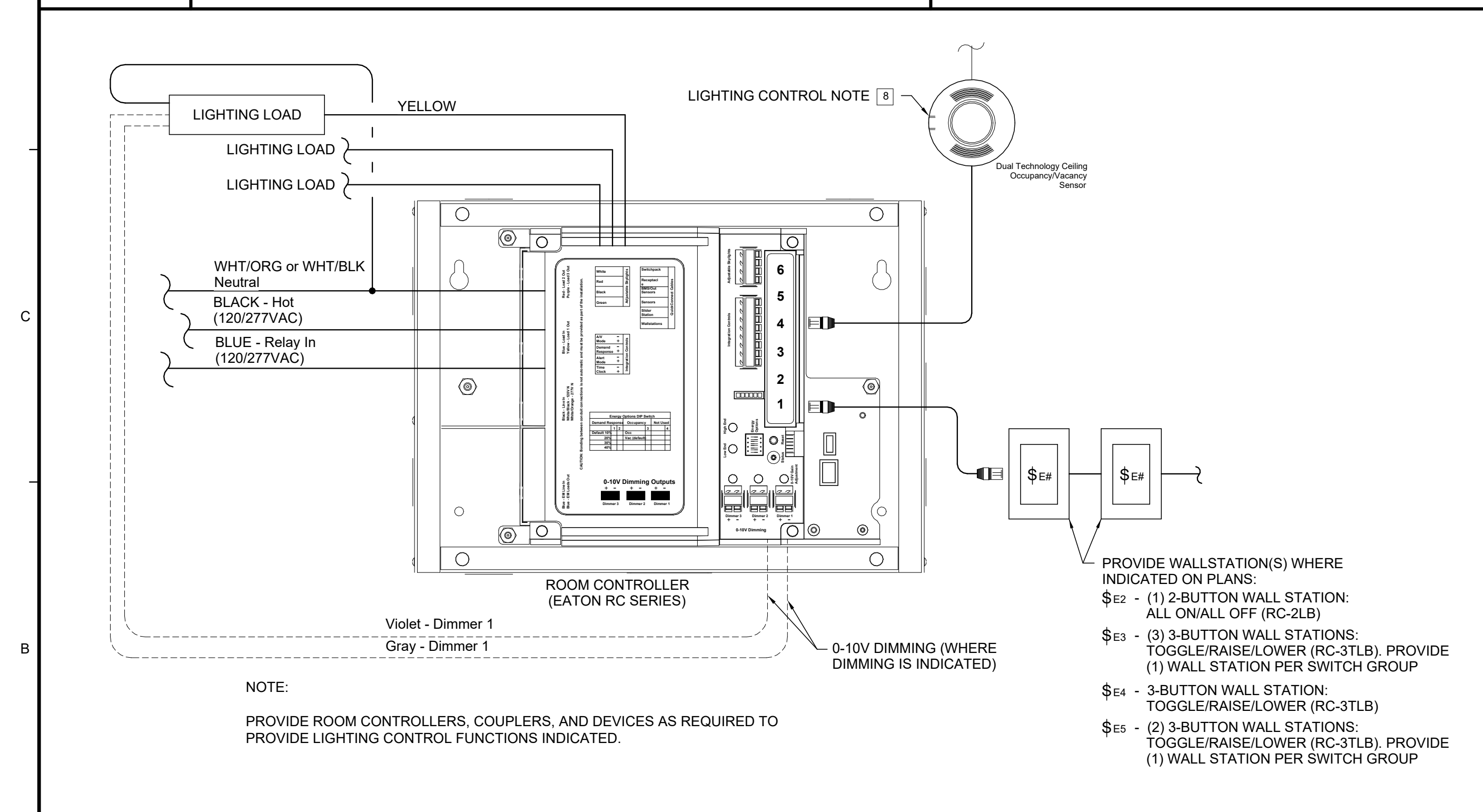




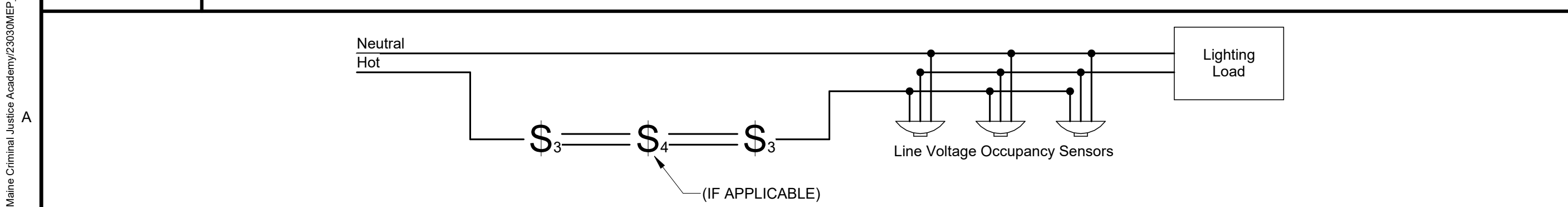
F1 LIGHTING CONTROL DETAIL - NOTE 5



D1 LIGHTING CONTROL DETAIL - NOTE 6



B1 LIGHTING CONTROL - NOTE 8



A1 OCCUPANCY SENSOR OVERRIDE

LUMINAIRE SCHEDULE										
TYPE	DESCRIPTION	MFR	CATALOG SERIES NUMBER - (SEE NOTES 1 AND 2)	MOUNTING	VOLTS	LAMP/LIGHT ENGINE				NOTES
						WATTS	DELIVERED LUMENS	CRI	TYPE	
C1	SURFACE MOUNTED LED - DORM ROOMS	BROWNLEE	2680 16 WH R22 BMB 30K	CEILING SURFACE	120	23.4	1916		LED ARRAY 3500K	
R1	4" ROUND DOWNLIGHT	GOTHAM	IVO4S D 10LM 35K 80CRI WD MIN1 MVOLT EZ1 NCH PAR LD	RECESSED	120	10.5	1026		LED ARRAY 3500K	
R1S	4" ROUND SHOWER DOWNLIGHT	GOTHAM	EVORSH 30/10 DFR SMO MVOLT EZ1	RECESSED	120	8.8	789		LED ARRAY 3500K	
R2	1" LINEAR RECESSED	ALW	LP1RT DRY S8 MED 80 3000K V00 EXT/F SW UNV	RECESSED	120	51.2	882		LED ARRAY 3500K	
S1	7" SQUARE SURFACE DOWNLIGHT	JUNO	JFSQ 7IN 10LM 35K 90CRI MVOLT ZT WH	CEILING SURFACE	120	12.9	1115	90	LED ARRAY 3500K	
S2	5" SQUARE SURFACE DOWNLIGHT	JUNO	JFSQ 5IN 07LM 35K 90CRI MVOLT ZT WH	CEILING SURFACE	120	9.8	722	90	LED ARRAY 3500K	
S3	LINEAR COVE LIGHT WITH LENS	KELVIX	409 I * DV 35K WH CP SV ULV	CEILING COVE SURFACE	120/24	6.6W/ft	690/ft.		LED ARRAY 3500K	
T1	INTEGRAL CEILING GRID LIGHT	JLC-TECH	TBSL MW 2 XX B2 X W	CEILING SURFACE	120	15.6			LED ARRAY 3500K	
T2	INTEGRAL CEILING GRID LIGHT	JLC-TECH	TBSL MW 4 XX B2 X W	CEILING SURFACE	120	31.2			LED ARRAY 3500K	
U1	UTILITY STRIP, 2' LONG	ORACLE	2-OC1-LED-3000L-DIM10-MVOLT-35K-85	SURFACE	120	23	3176	80	LED ARRAY 3500K	
U2	UTILITY STRIP, 4' LONG	ORACLE	4-OC1-LED-5000L-DIM10-MVOLT-35K-85	SURFACE	120	37	4642	80	LED ARRAY 3500K	
V1	WALL MOUNTED LINEAR BATHROOM VANITY	LUMENWERX	WALWDI HLO LED 80 500 30 2FT UNV D1 1 DMB W	WALL SUFACE 6'-0" AFF	120	16.24	1958	80	LED ARRAY 3500K	
X1	EXIT SIGN WITH BATTERY BACKUP	TELESIS	TLX-EM-GU-W	WALL OR CEILING SEE PLAN	120	-	-	-	LED ARRAY	4
INV-x	250W CENTRAL INVERTER WITH DIMMING OVERRIDE	EVENLITE	PWII-25-LC-FD	WALL SEE PLAN	120	-	-		-	
NOTES										
1	THESE NUMBERS ARE NOT COMPLETE CATALOG NUMBERS. PROVIDE ALL REQUIREMENTS ON SCHEDULE, NOTES, SPECS, AND DRAWINGS COMBINED.									
2	CATALOG SERIES NUMBERS ARE USED TO ESTABLISH A LEVEL OF QUALITY AND NOT INTENDED TO LIMIT COMPETITION.									
3	VERIFY CEILING STRUCTURE AND MOUNTING HEIGHT PRIOR TO ORDERING ANY LIGHT FIXTURES.									
4	PROVIDE WALL, CEILING, OR PENDANT MOUNTING AS INDICATED ON PLANS. PROVIDE NUMBER OF FACES AND ARROWS AS INDICATED.									
5	COORDINATE LENGTH WITH CASEWORK & CABINET DETAILS.									
6	FINISH TO BE SELECTED BY THE ARCHITECT FROM MANUFACTURER'S STANDARD OPTIONS.									
7	PROVIDE REMOTE HEADS WHERE SHOWN ON PLANS.									
8	MOUNT 6" BELOW FINISHED CEILING IN AREAS WHERE SCHEDULED MOUNTING HEIGHT CANNOT BE ACHIEVED.									
9	PROVIDE FIXTURE WITH INTEGRAL OCCPUANCY SENSOR OPTION. FIXTURE SHALL OPERATE UNDER NORMAL CONDITIONS AT 50% OUTPUT. UPON MOTION DETECTION OR FIRE ALARM OR NORMAL POWER LOSS, FIXTURE SHALL AUTOMATICALLY BRIGHTEN TO FULL OUTPUT.									

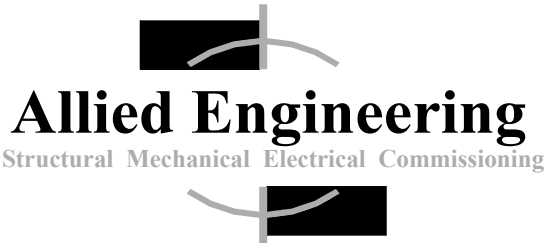
- CATALOG SERIES NUMBERS ARE USED TO ESTABLISH A LEVEL OF QUALITY AND NOT INTENDED TO LIMIT COMPETITION. SERIES NUMBERS ARE NOT COMPLETE CATALOG NUMBERS. COMPLY WITH ADDITIONAL REQUIREMENTS IN SPECIFICATIONS AND DRAWINGS.
- FIELD DIMENSION WALL COVE, WALL VALENCE AND WALL SLOT LIGHTING PRIOR TO ORDERING TO ENSURE PROPER FIXTURE LENGTHS. NOTIFY ARCHITECT OF ANY DISCREPANCIES IN LENGTHS SHOWN ON DRAWINGS AND ACTUAL FIELD DIMENSIONS. ADJUST LENGTHS OF ANY SPECIFIED FIXTURE AS DIRECTED BY ARCHITECT.
- EXCEPT AS INDICATED OTHERWISE ON FIXTURE SCHEDULE, SUSPENDED LIGHT FIXTURES SHALL BE FURNISHED AND INSTALLED COMPLETE WITH STEEL STEM SETS, AND PIECES AND ALIGNERS WITH ALIGNER TYPE CANOPIES AS MANUFACTURED BY RESPECTIVE FIXTURE MANUFACTURER.
- PENDANT MOUNTING HEIGHTS ARE TO BOTTOM OF FIXTURE. VERIFY EXACT MOUNTING HEIGHTS OF PENDANT FIXTURES WITH ARCHITECT PRIOR TO ROUGHING.
- WALL MOUNT FIXTURE HEIGHTS ARE TO CENTERLINE UNLESS NOTED OTHERWISE. VERIFY EXACT MOUNTING HEIGHTS AND LOCATIONS OF WALL MOUNTED LIGHTING WITH ARCHITECT PRIOR TO ROUGHING.
- REFER TO REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING MOUNTED LIGHTING AND DEVICES.
- PROVIDE TRIM AND MOUNTING ACCESSORIES FOR RECESSED LIGHTING FIXTURES WHICH ARE COMPATIBLE WITH THE TYPE OF CEILING CONSTRUCTION IN WHICH THEY ARE TO BE MOUNTED. REFER TO REFLECTED CEILING PLANS AND ROOM FINISH SCHEDULES.
- LIGHT FIXTURE LOCATIONS IN MECHANICAL ROOMS AND ELECTRIC ROOMS ARE APPROXIMATE. INSTALL LIGHTING TO AVOID DUCTWORK, PIPING AND ELECTRICAL ITEMS.
- PENDANT LINEAR FIXTURES SHALL SATISFY LENGTHS SHOWN ON DRAWINGS.
- PROVIDE WIRE GUARDS WHERE INDICATED ON FLOOR PLANS.

C1 LUMINAIRE SCHEDULE GENERAL NOTES

Autodesk Docs/Maine Criminal Justice Academy/23030MEP\_R23.rvt



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No: 23030

Cad File:

PROJECT NAME:

## MCJA - BUILDING C LIMITED RENOVATIONS

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

NOT FOR CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF SIMONS ARCHITECTS (SA) AND IS NOT TO BE COPIED OR REPRODUCED IN PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: APRIL 8, 2025

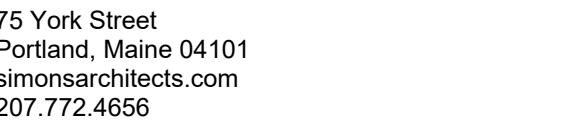
PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID - NOT FOR CONSTRUCTION

## LIGHTING SCHEDULE AND DETAILS

EL-600





© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No: 23030

**Cad File:**

PROJECT NAME:

MCJA - BUILDING  
C LIMITED  
RENOVATIONS

15 OAK GROVE RD  
WASSALBORO, ME 04989

SEAL:

NOT FOR  
CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
© 2023 © SCOTT SIMONS ARCHITECTS, LLC

 REVISIONS

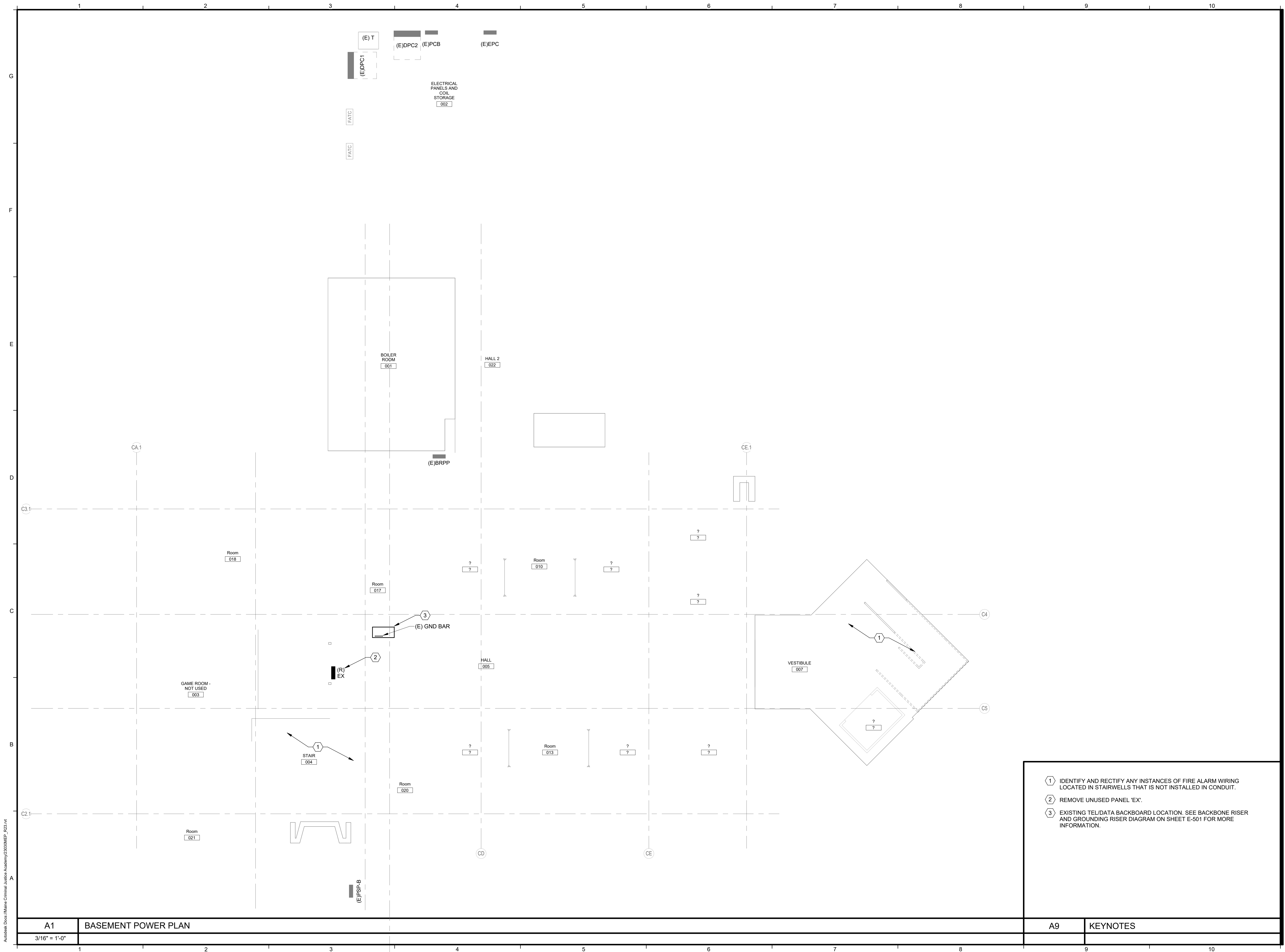
DATE OF ISSUE: APRIL 8, 2025

PROJECT NUMBER: 2023-0070

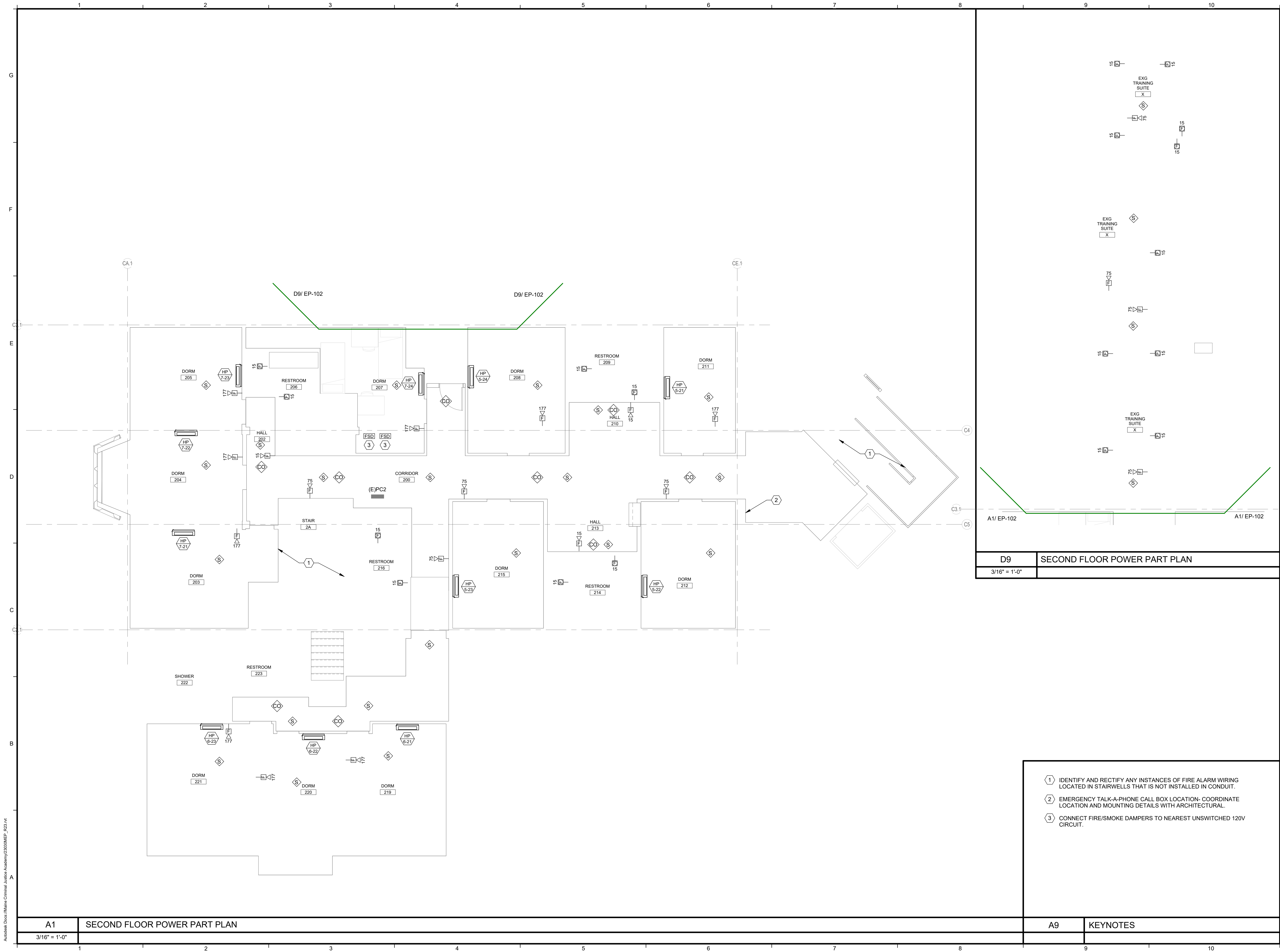
STATUS: ISSUED FOR BID - NOT FOR CONSTRUCTION

## POWER & SYSTEMS PLAN - BASEMENT

# EP-100



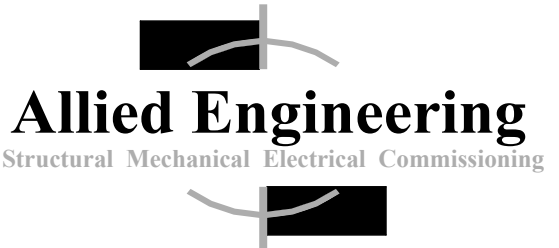




Autodesk Docs\Maine Criminal Justice Academy\2030\MEP\_F23.rvt



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No. 23030

Cad File:

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

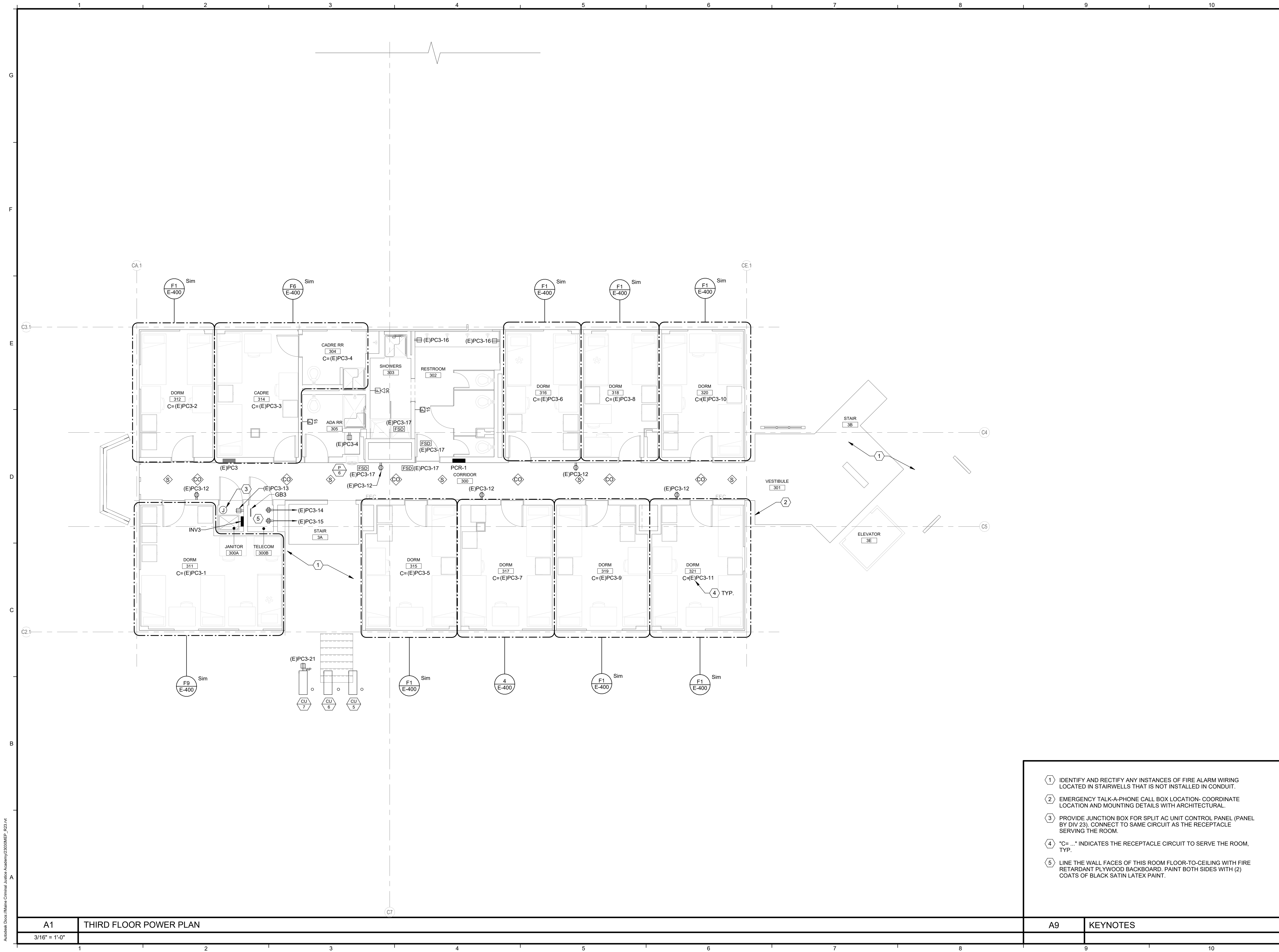
DATE OF ISSUE: **APRIL 8, 2025**  
PROJECT NUMBER: **2023-0070**  
STATUS: **ISSUED FOR BID - NOT  
FOR CONSTRUCTION**

**POWER & SYSTEMS  
PLAN - SECOND  
FLOOR**

**EP-102**

- 1 IDENTIFY AND RECTIFY ANY INSTANCES OF FIRE ALARM WIRING LOCATED IN STAIRWELLS THAT IS NOT INSTALLED IN CONDUIT.
- 2 EMERGENCY TALK-A-PHONE CALL BOX LOCATION- COORDINATE LOCATION AND MOUNTING DETAILS WITH ARCHITECTURAL.
- 3 CONNECT FIRE/SMOKE DAMPERS TO NEAREST UNSWITCHED 120V CIRCUIT.

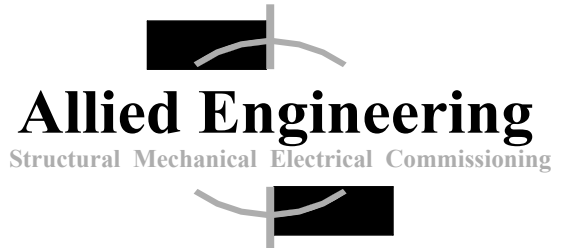




Autodesk Docs\\Maine Criminal Justice Academy\\23030MEP\_F03.rvt



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No: 23030

Cad File:

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: **APRIL 8, 2025**  
PROJECT NUMBER: **2023-0070**  
STATUS: **ISSUED FOR BID - NOT  
FOR CONSTRUCTION**

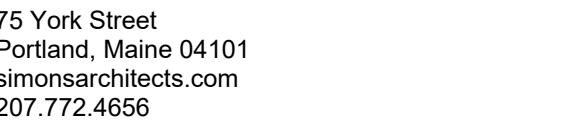
**POWER & SYSTEMS  
PLAN - THIRD  
FLOOR**

**EP-103**

- ① IDENTIFY AND RECTIFY ANY INSTANCES OF FIRE ALARM WIRING LOCATED IN STAIRWELLS THAT IS NOT INSTALLED IN CONDUIT.
- ② EMERGENCY TALK-A-PHONE CALL BOX LOCATION- COORDINATE LOCATION AND MOUNTING DETAILS WITH ARCHITECTURAL.
- ③ PROVIDE JUNCTION BOX FOR SPLIT AC UNIT CONTROL PANEL (PANEL BY DIV 23). CONNECT TO SAME CIRCUIT AS THE RECEPTACLE SERVING THE ROOM.
- ④ "C= ..." INDICATES THE RECEPTACLE CIRCUIT TO SERVE THE ROOM, TYP.
- ⑤ LINE THE WALL FACES OF THIS ROOM FLOOR-TO-CEILING WITH FIRE RETARDANT PLYWOOD BACKBOARD. PAINT BOTH SIDES WITH (2) COATS OF BLACK SATIN LATEX PAINT.

A9 KEYNOTES





© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No: 23030

**Cad File:**

PROJECT NAME:

MCJA - BUILDING  
C LIMITED  
RENOVATIONS

15 OAK GROVE RD  
WASSALBORO, ME 04989

SEAL:

NOT FOR  
CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
© 2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

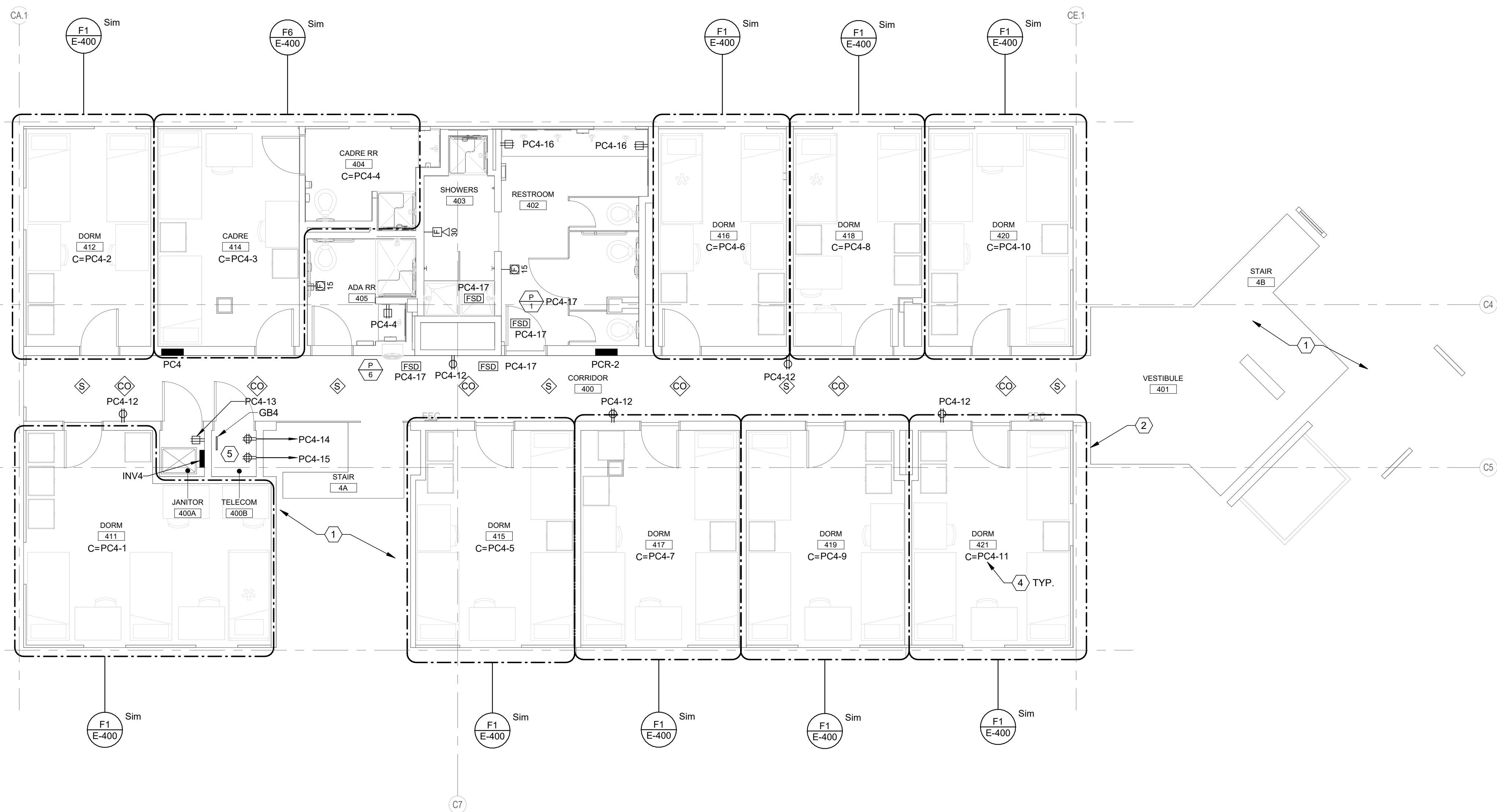
DATE OF ISSUE: APRIL 8, 2025

PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID - NOT FOR CONSTRUCTION

# POWER & SYSTEMS PLAN - FOURTH FLOOR

# EP-104



- ① IDENTIFY AND RECTIFY ANY INSTANCES OF FIRE ALARM WIRING LOCATED IN STAIRWELLS THAT IS NOT INSTALLED IN CONDUIT.
- ② EMERGENCY TALK-A-PHONE CALL BOX LOCATION- COORDINATE LOCATION AND MOUNTING DETAILS WITH ARCHITECTURAL.
- ③ - NOT USED -
- ④ "C= ..." INDICATES THE RECEPTACLE CIRCUIT TO SERVE THE ROOM, TYP.
- ⑤ LINE THE WALL FACES OF THIS ROOM FLOOR-TO-CEILING WITH FIRE RETARDANT PLYWOOD BACKBOARD. PAINT BOTH SIDES WITH (2) COATS OF BLACK SATIN LATEX PAINT.

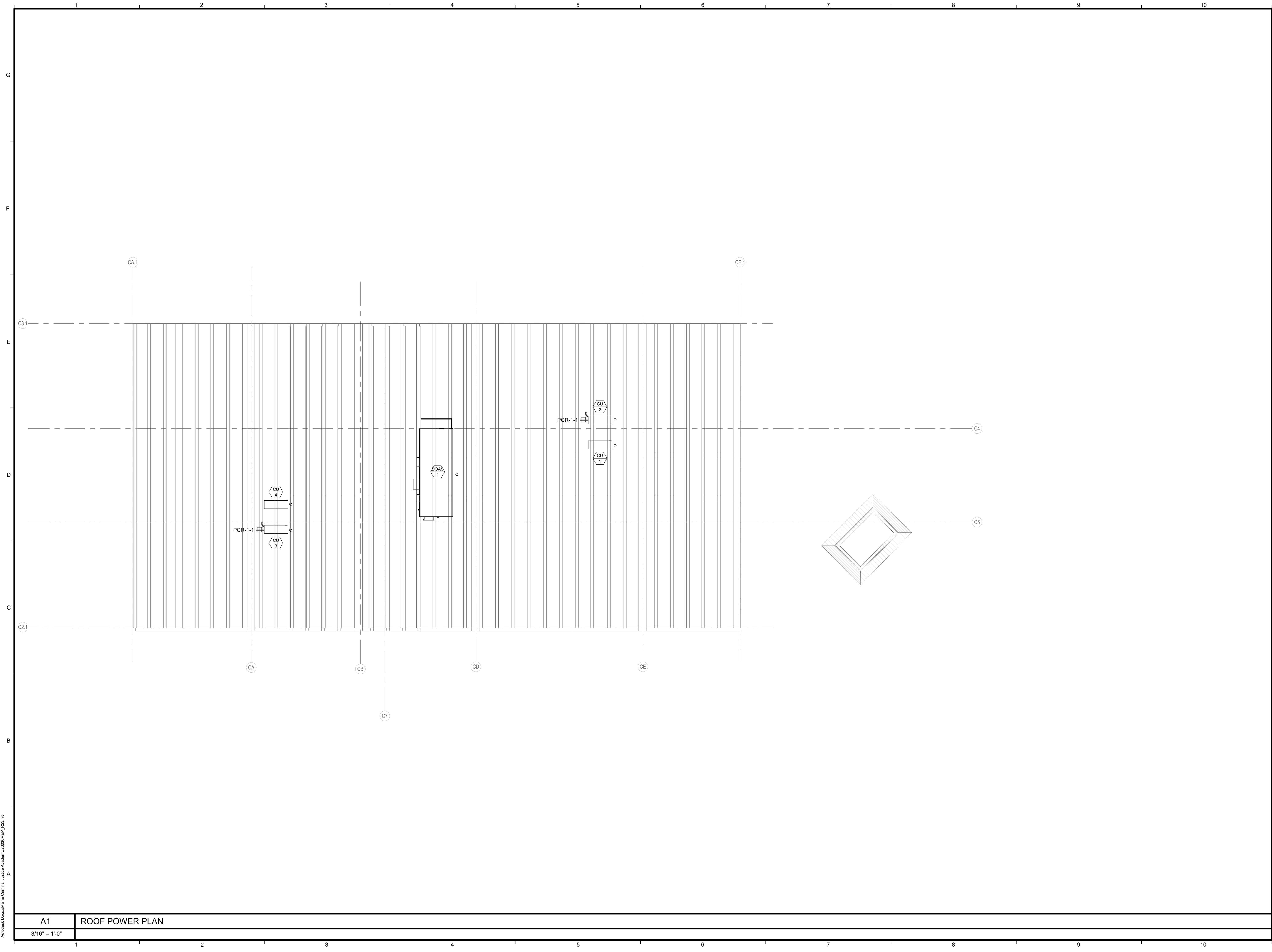
Autodesk Docs://Maine Criminal Justice Academy/23030MEP\_R23.mt

A1	FOURTH FLOOR POWER PLAN
----	-------------------------

$$3/16'' = 1'-0''$$

A9	KEYNOTES
----	----------



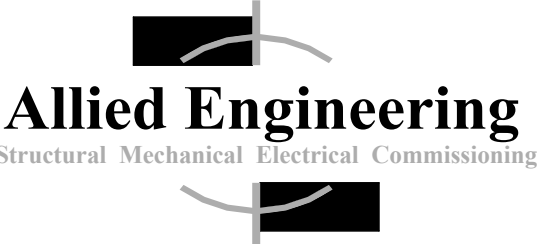


Autodesk Docs\\Maine Criminal Justice Academy\\23030MEP\_R23.rvt

A1	ROOF POWER PLAN
3/16" = 1'-0"	



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.  
Allied Project No: 23030  
Cad File:

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

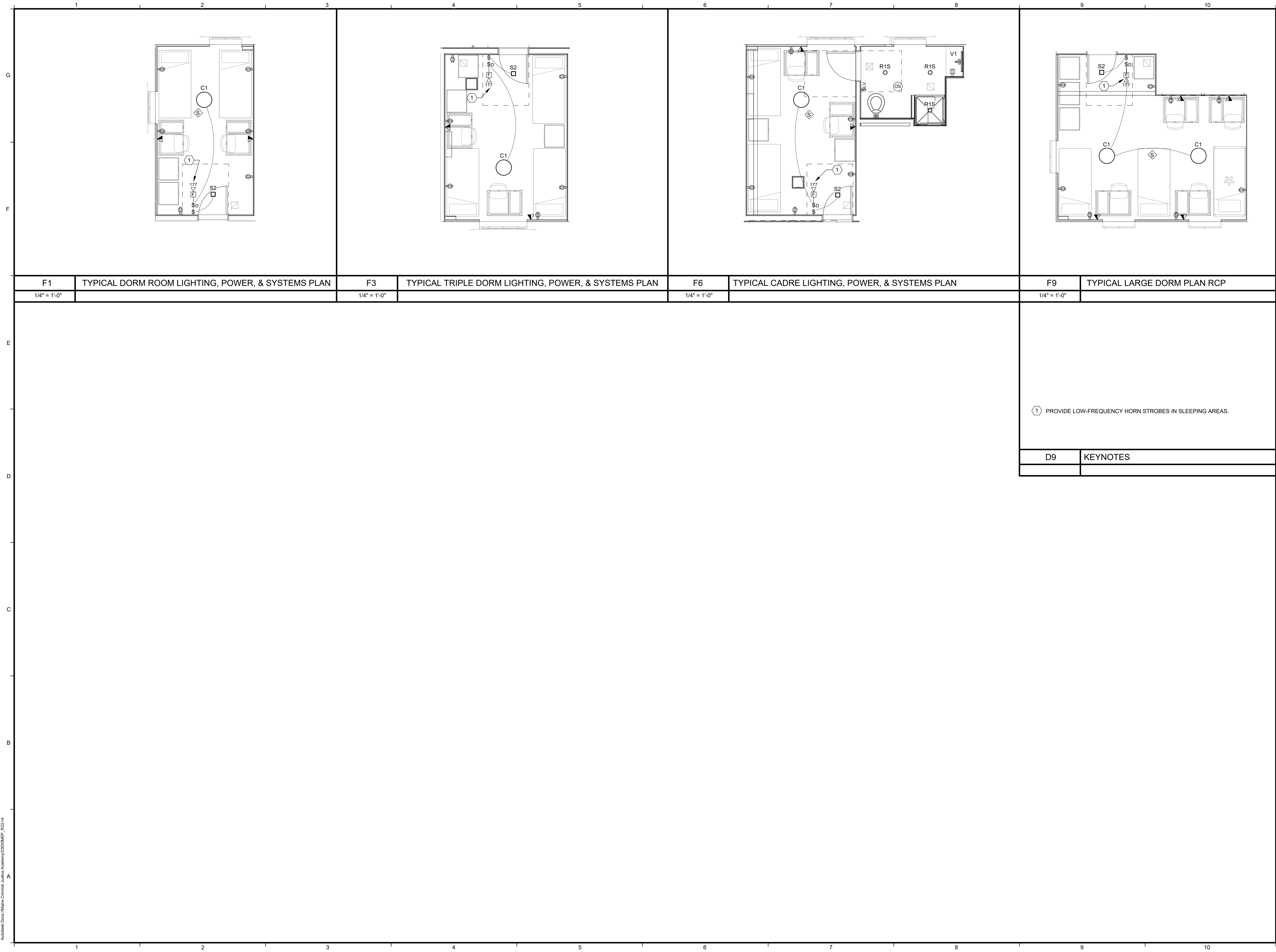
△ REVISIONS

DATE OF ISSUE:    **APRIL 8, 2025**  
PROJECT NUMBER:    **2023-0070**  
STATUS:            ISSUED FOR BID - NOT  
                      FOR CONSTRUCTION

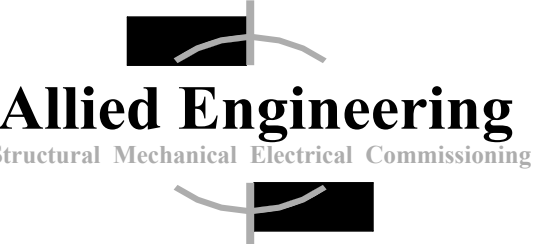
**POWER & SYSTEMS  
PLAN - ROOF**

**EP-105**





75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No. 23030

Cad File:

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

DATE OF ISSUE: **APRIL 8, 2025**  
PROJECT NUMBER: **2023-0070**  
STATUS: **ISSUED FOR BID - NOT  
FOR CONSTRUCTION**

**ELECTRICAL  
ENLARGED PLANS**

**E-400**



1

2

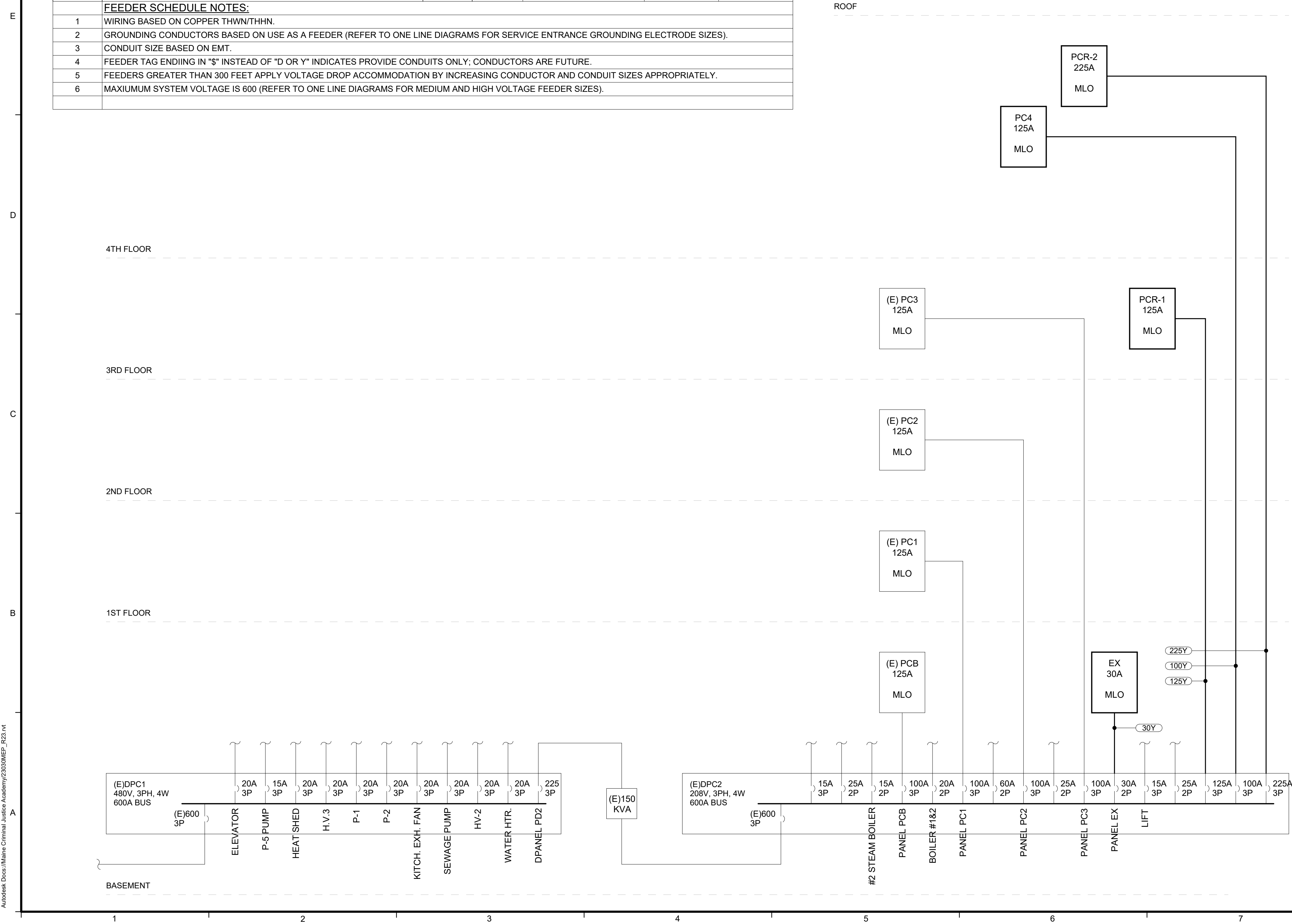
3

4

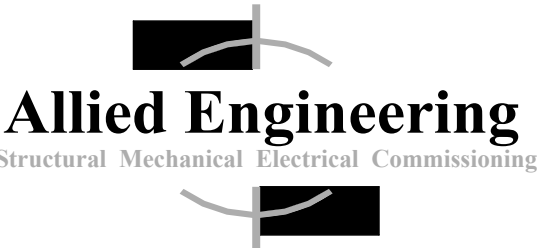
FEEDER SCHEDULE

TAG	MAXIMUM AMPERE RATING	PHASE AND NEUTRAL CONDUCTORS (NOTE 1)	GROUND CONDUCTOR (NOTE 2)	CONDUIT (NOTE 3)	TAG	MAXIMUM AMPERE RATING	PHASE AND NEUTRAL CONDUCTORS (NOTE 1)	GROUND CONDUCTOR (NOTE 2)	CONDUIT (NOTE 3)
15D	15	3#12	1#12	3/4"	400D	400	3#500 KCMIL	1#3	3 1/2"
15Y		4#12	1#12	3/4"	400Y		4#500 KCMIL	1#3	4"
30D	30	3#10	1#10	3/4"	450D	450	2 SETS OF 3#250 KCMIL	2 - #2	2 - 2 1/2"
30Y		4#10	1#10	3/4"	450Y		2 SETS OF 4#250 KCMIL	2 - #2	2 - 3"
50D	50	3#8	1#10	3/4"	500D	500	2 SETS OF 3#250 KCMIL	2 - #2	2 - 2 1/2"
50Y		4#8	1#10	1"	500Y		2 SETS OF 4#250 KCMIL	2 - #2	2 - 3"
60D	60	3#6	1#10	3/4"	600D	600	2 SETS OF 3#350 KCMIL	2 - #1	2 - 3"
60Y		4#6	1#10	1 1/4"	600Y		2 SETS OF 4#350 KCMIL	2 - #1	2 - 3"
80D	80	3#4	1#8	1 1/4"	700D	700	2 SETS OF 3#500 KCMIL	2 - #1/0	2 - 3 1/2"
80Y		4#4	1#8	1 1/4"	700Y		2 SETS OF 4#500 KCMIL	2 - #1/0	2 - 4"
100D	100	3#2	1#8	1 1/4"	800D	800	2 SETS OF 3#600 KCMIL	2 - #1/0	2 - 3 1/2"
100Y		4#2	1#8	1 1/4"	800Y		2 SETS OF 4#600 KCMIL	2 - #1/0	2 - 4"
125D	125	3#1	1#6	1 1/2"	900D	900	3 SETS OF 3#350 KCMIL	2 - #2/0	3 - 3"
125Y		4#1	1#6	1 1/2"	900Y		3 SETS OF 4#350 KCMIL	2 - #2/0	3 - 3"
150D	150	3#1/0	1#6	1 1/2"	10HD	1000	3 SETS OF 3#400 KCMIL	3 - #2/0	3 - 2 1/2"
150Y		4#1/0	1#6	2"	10HY		3 SETS OF 4#400 KCMIL	2 - #2/0	3 - 3"
175D	175	3#2/0	1#6	2"	12HD	1200	3 SETS OF 3#600 KCMIL	3 - #3/0	3 - 4"
175Y		4#2/0	1#6	2"	12HY		3 SETS OF 4#600 KCMIL	3 - #3/0	3 - 4"
200D	200	3#3/0	1#6	2"	16HD	1600	4 SETS OF 3#600 KCMIL	4 - #4/0	4 - 4"
200Y		4#3/0	1#6	2"	16HY		4 SETS OF 4#600 KCMIL	4 - #4/0	4 - 4"
225D	225	3#4/0	1#4	2"	20HD	2000	5 SETS OF 3#600 KCMIL	5 - #250 KCMIL	5 - 4"
225Y		4#4/0	1#4	2 1/2"	20HY		5 SETS OF 4#600 KCMIL	5 - #250 KCMIL	5 - 4"
250D	250	3#250 KCMIL	1#4	2 1/2"	25HD	2500	6 SETS OF 3#600 KCMIL	6 - #350 KCMIL	6 - 4"
250Y		4#250 KCMIL	1#4	3"	25HY		6 SETS OF 4#600 KCMIL	6 - #350 KCMIL	6 - 4"
300D	300	3#350 KCMIL	1#4	3"	30HD	3000	8 SETS OF 3#600 KCMIL	8 - #500 KCMIL	8 - 4"
300Y		4#350 KCMIL	1#4	3"	30HY		8 SETS OF 4#600 KCMIL	8 - #500 KCMIL	8 - 4"
350D	350	3#500 KCMIL	1#3	3 1/2"	40HD	4000	10 SETS OF 3#600 KCMIL	10 - #500 KCMIL	10-4"
350Y		4#500 KCMIL	1#3	4"	40HY		10 SETS OF 4#600 KCMIL	10 - #500 KCMIL	10-4"
TRS	REFER TO TRANSFORMER SCHEDULE FOR PRIMARY, SECONDARY AND GROUND FEEDER SIZES				50HD	5000	12 SETS OF 3#600 KCMIL	12 - #500 KCMIL	12-4"
					50HY		12 SETS OF 4#600 KCMIL	12 - #500 KCMIL	12-4"
FEEDER SCHEDULE NOTES:									
1	WIRING BASED ON COPPER THWN/THHN.								
2	GROUNDING CONDUCTORS BASED ON USE AS A FEEDER (REFER TO ONE LINE DIAGRAMS FOR SERVICE ENTRANCE GROUNDING ELECTRODE SIZES).								
3	CONDUIT SIZE BASED ON EMT.								
4	FEEDER TAG ENDING IN "S" INSTEAD OF "D OR Y" INDICATES PROVIDE CONDUITS ONLY; CONDUCTORS ARE FUTURE.								
5	FEEDERS GREATER THAN 300 FEET APPLY VOLTAGE DROP ACCOMMODATION BY INCREASING CONDUCTOR AND CONDUIT SIZES APPROPRIATELY.								
6	MAXIMUM SYSTEM VOLTAGE IS 600 (REFER TO ONE LINE DIAGRAMS FOR MEDIUM AND HIGH VOLTAGE FEEDER SIZES).								

DRY TYPE TRANSFORMER SCHEDULE (STEP DOWN)						
TAG	KVA	480 VOLT OVERCURRENT	208 VOLT OVERCURRENT	480 VOLT FEEDER (DELTA)	120/208 VOLT FEEDER (WYE)	GROUNDING (NOTE 5)
T1	9	20A-3P	30A-3P	3#12 & 1#12GND - 3/4" C	4#10 & 1#8GND - 3/4" C.	1#8 - 3/4" C.
T2	15	30A-3P	50A-3P	3#10 & 1#10GND - 3/4" C	4#6 & 1#8GND - 1" C.	1#8 - 3/4" C.
T3	30	60A-3P	100A-3P	3#6 & 1#10GND - 1" C	4#2 & 1#8GND - 1 1/4" C.	1#8 - 3/4" C.
T4	45	80A-3P	150A-3P	3#4 & 1#8GND - 1 1/4" C	4#1/0 & 1#6GND - 2" C.	1#6 - 3/4" C.
T5	75	150A-3P	250A-3P	3#1/0 & 1#6GND - 1 1/2" C	4#250 KCMIL & 1#2GND - 3" C	1#2 - 3/4" C.
T6	112.5	200A-3P	400A-3P	3#3/0 & 1#6GND - 2" C	4#500 KCMIL & 1#1/0GND - 4" C	1#1/0 - 3/4" C.
T7	150	300A-3P	500A-3P	3#350 KCMIL & 1#4GND - 3" C	8#250 KCMIL & 2#1/0GND - (2) 3" C	1#1/0 - 3/4" C.
T8	225	400A-3P	800A-3P	3#500 KCMIL & 1#3GND - 3 1/2" C	8#600 KCMIL & 2#3/0GND - (2) 4" C	1#3/0 - 3/4" C.
T9	300	600A-3P	1000A-3P	6#350 KCMIL & 2#1GND - (2) 3" C	12#400 KCMIL & 3#3/0GND - (3) 3" C	1#3/0 - 3/4" C.
T10	500	900A-3P	1600A-3P	9#350 KCMIL & 3#2/0GND - (3) 3" C	16#600 KCMIL & 4#3/0GND - (4) 4" C	1#3/0 - 3/4" C. (NOTE 6)
TRANSFORMER SCHEDULE NOTES:						
1	BOND NEUTRAL OF TRANSFORMER SECONDARY TO THE TRANSFORMER CASE WITH BONDING JUMPER.					
2	GROUND THE CASING OF THE TRANSFORMER TO NEAREST AVAILABLE EFFECTIVELY GROUNDED WATER PIPE, STRUCTURAL STEEL AND/OR DRIVEN GROUND ROD IN ACCORDANCE WITH N.E.C. 250-50 AND 250-52.					
3	ALL CONDUCTOR SIZES ARE FOR COPPER CONDUCTORS PER N.E.C. TABLE 310-16.					
4	SECONDARY OVERCURRENT PROTECTION SHALL BE LOCATED WITHIN TEN (10) FEET OF THE TRANSFORMER SECONDARY TERMINALS EITHER IN A PANELBOARD (MAIN BREAKER) OR AN INDIVIDUALLY MOUNTED CIRCUIT BREAKER.					
5	TRANSFORMER BONDING JUMPER AND GROUNDING ELECTRODE CONDUCTOR, EXCEPT NOTED OTHERWISE.					
6	TRANSFORMER BONDING JUMPER (1) 300 KCMIL.					



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.  
Allied Project No: 23030  
Cad File:

PROJECT NAME:  
**MCJA - BUILDING  
C LIMITED  
RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:  
  
**NOT FOR  
CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

△ REVISIONS

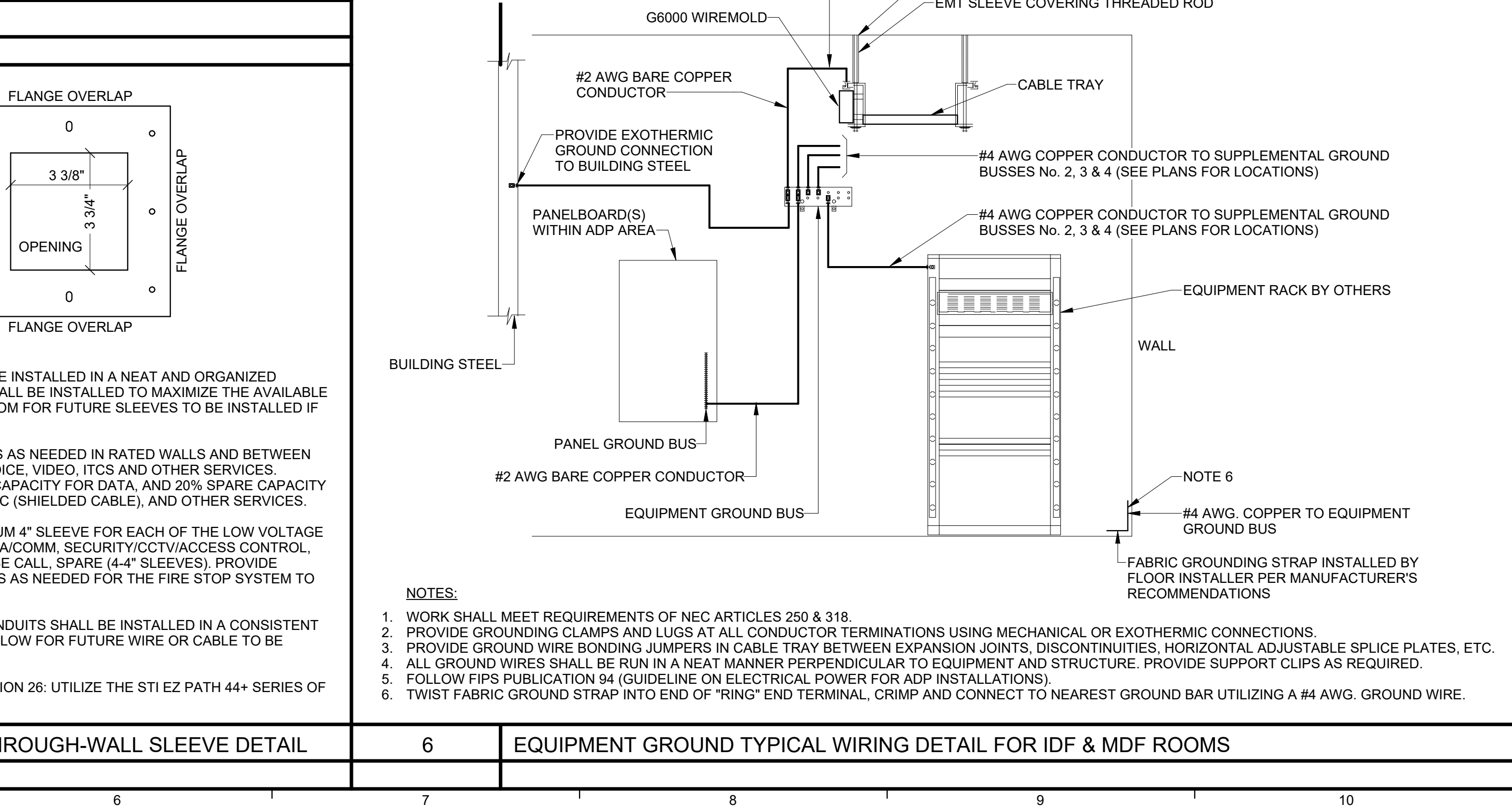
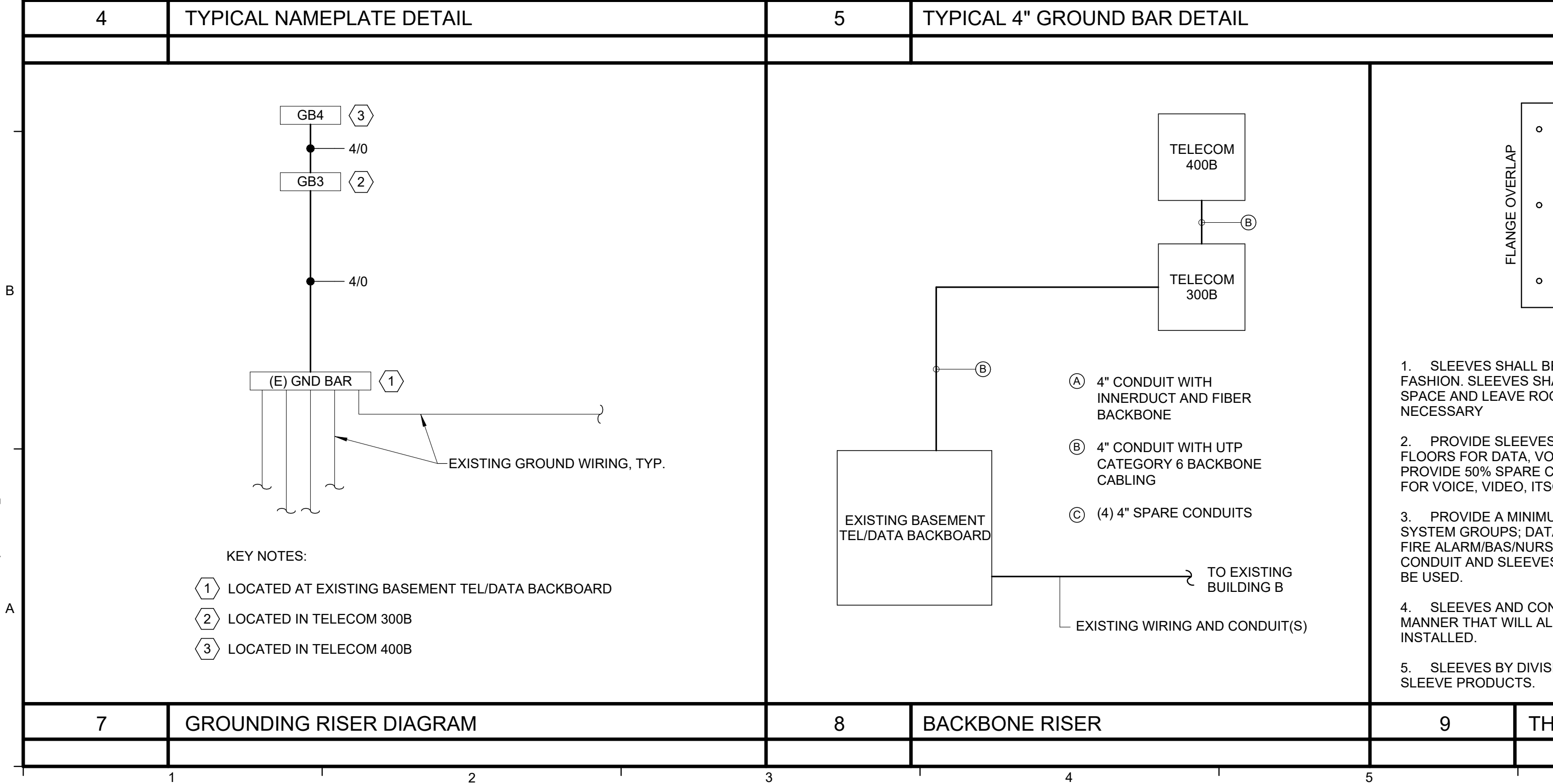
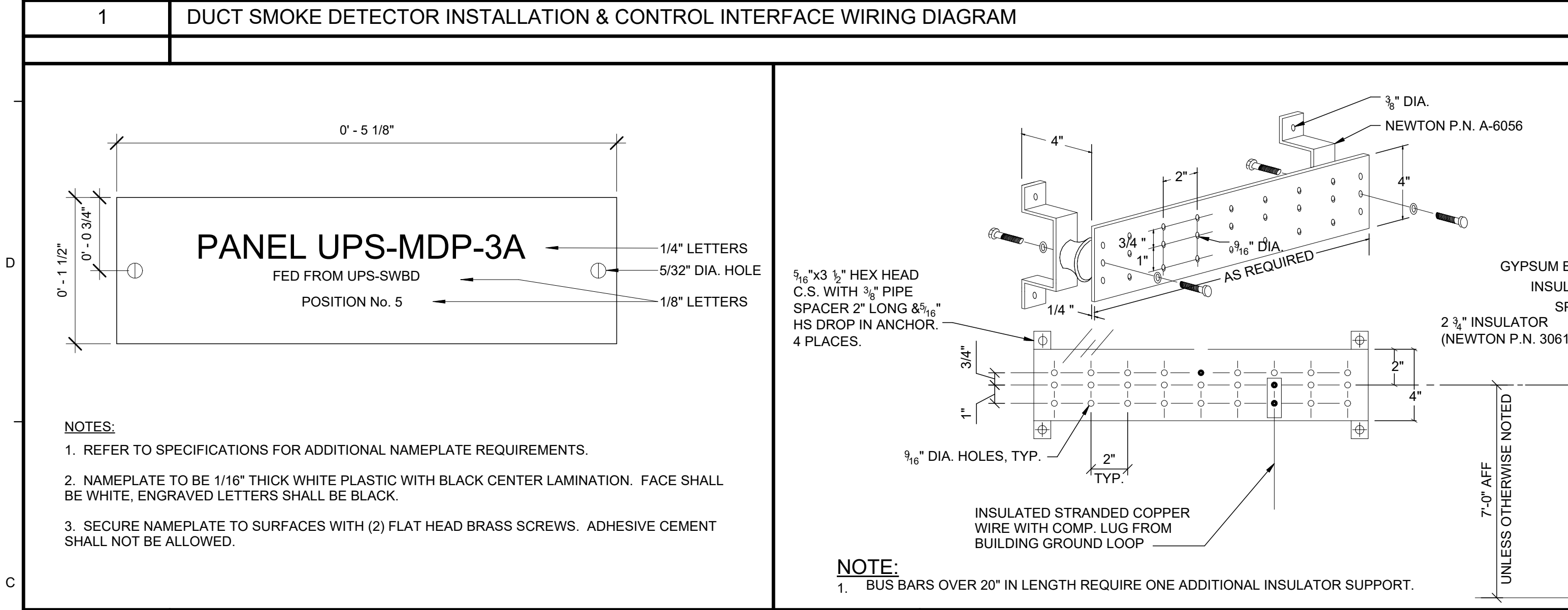
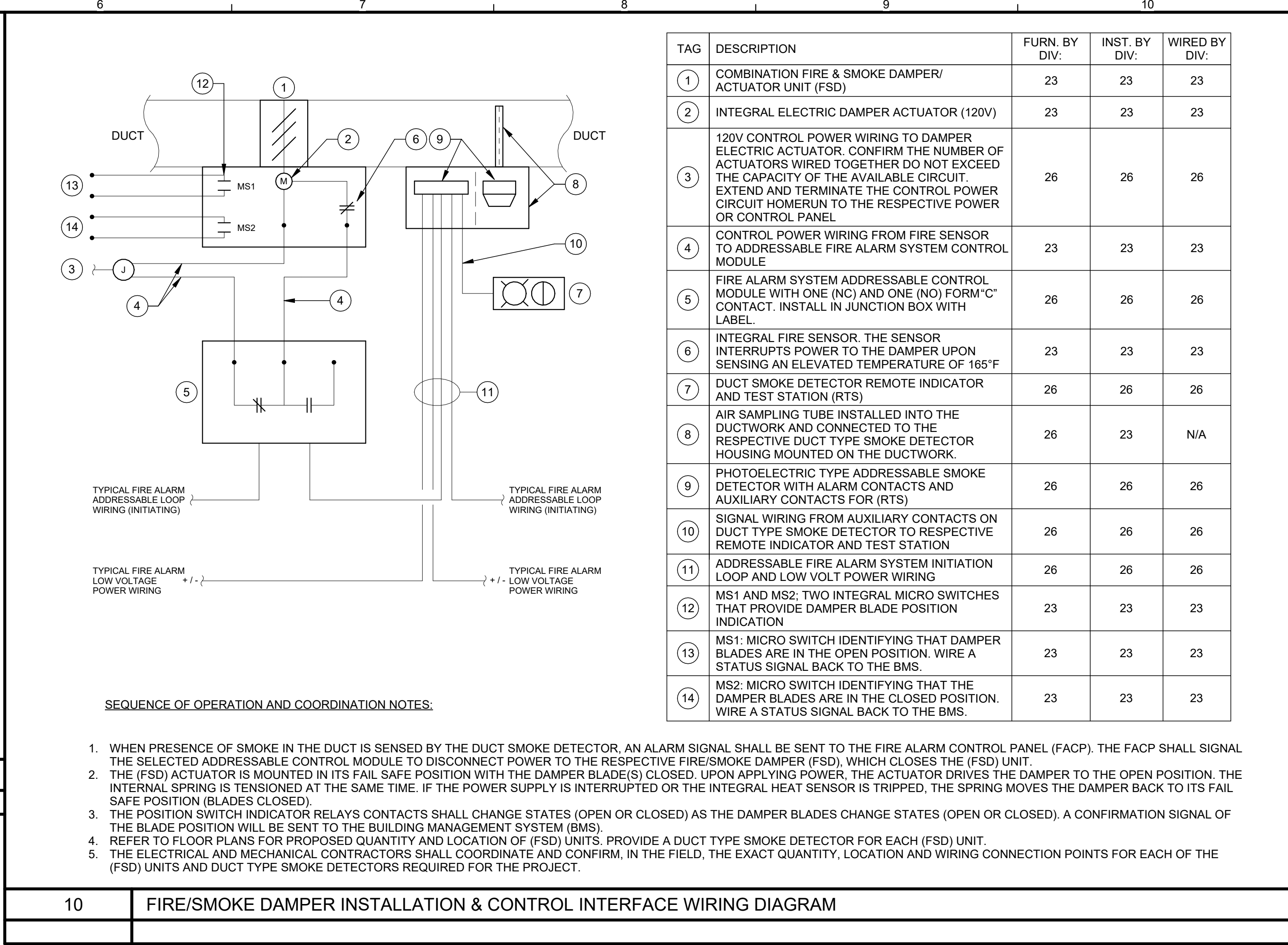
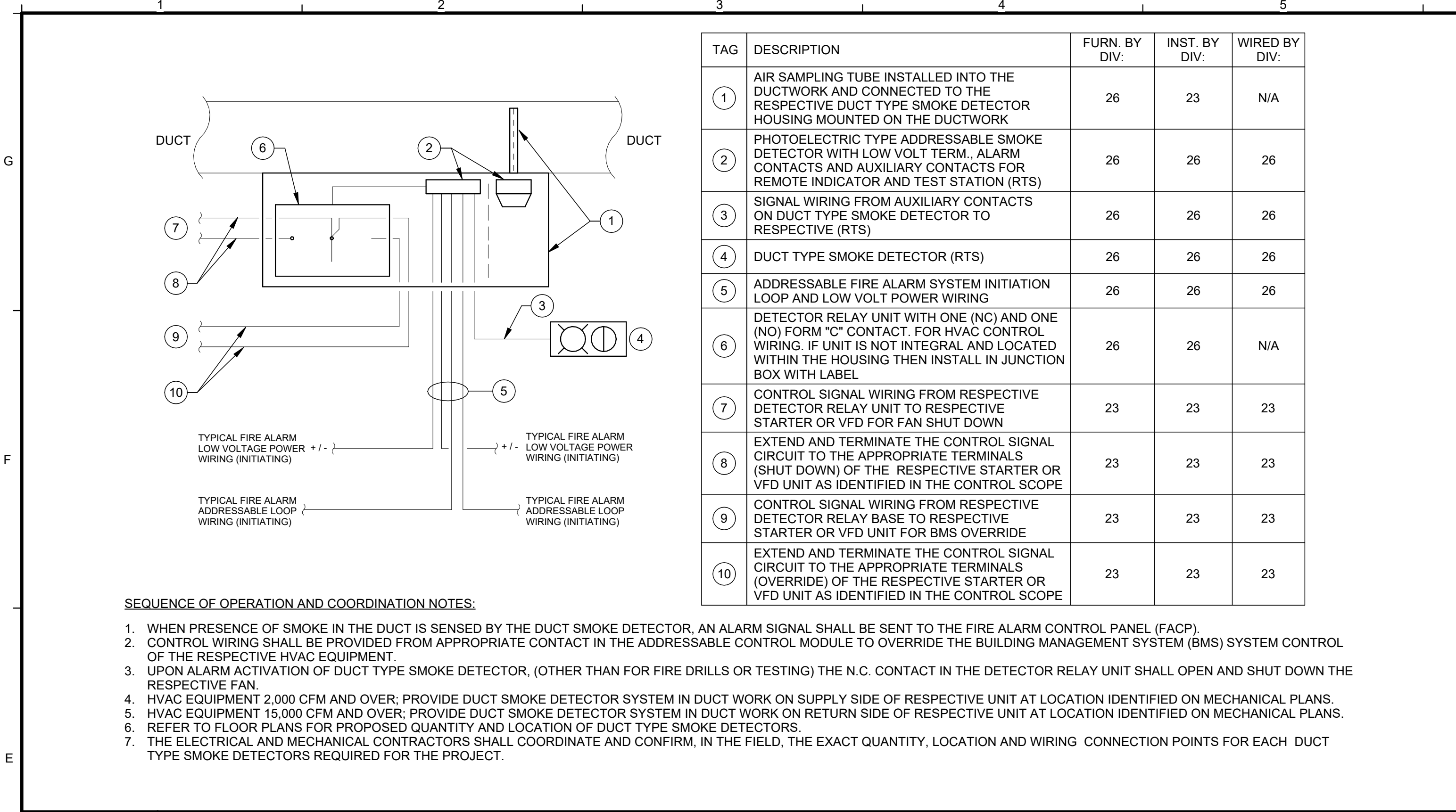
DATE OF ISSUE: **APRIL 8, 2025**  
PROJECT NUMBER: **2023-0070**  
STATUS: **ISSUED FOR BID - NOT  
FOR CONSTRUCTION**

**ONLINE DIAGRAM  
AND NOTES**

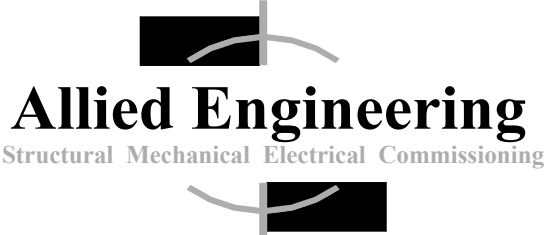
**E-500**



AutoCAD Docs\\Maine Criminal Justice Academy\\2003\\MEP\_F203.rvt



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No: 23030

Cad File:

PROJECT NAME:  
**MCJA - BUILDING C LIMITED RENOVATIONS**  
15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

**NOT FOR CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF SIMONS ARCHITECTS (SA) AND IS NOT TO BE COPIED OR REPRODUCED IN PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

REVISIONS

DATE OF ISSUE: APRIL 8, 2025

PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID - NOT FOR CONSTRUCTION

**ELECTRICAL DETAILS**

**E-501**



VOLTAGE DROP CHART			
MAXIMUM LOAD (VA)	MAXIMUM LENGTH PER CONDUCTOR SIZE		
	#12	#10	#8
120 VOLT CIRCUITS			
800	155	245	390
1000	125	195	310
1200	105	165	260
1400	90	140	220
1600	80	125	195
1800	70	110	175
277 VOLT CIRCUITS			
2000	330	525	830
2500	265	420	665
3000	220	350	555
3500	190	300	475
4000	165	260	415

BRANCH CIRCUITS SCHEDULE	
CIRCUIT BREAKER	CONDUCTOR
120 OR 277 VOLT, 1 PH., 2W CIRCUITS	
15A-1P, 20A-1P	2#12 & 1#12 GND - 3/4" C.
30A-1P	2#10 & 1#10 GND - 3/4" C.
40A-1P	2#8 & 1#10 GND - 3/4" C.
50A-1P	2#6 & 1#10 GND - 3/4" C.
60A-1P	2#6 & 1#10 GND - 3/4" C.
208 OR 480 VOLT, 1PH., 2W CIRCUITS	
15A-2P, 20A-2P	2#12 & 1#12 GND - 3/4" C.
30A-2P	2#10 & 1#10 GND - 3/4" C.
40A-2P	2#8 & 1#10 GND - 3/4" C.
50A-2P	2#6 & 1#10 GND - 3/4" C.
60A-2P	2#6 & 1#10 GND - 3/4" C.
208 OR 480 VOLT, 3PH., 3W CIRCUITS	
15A-3P, 20A-3P	3#12 & 1#12 GND - 3/4" C.
30A-3P	3#10 & 1#10 GND - 3/4" C.
40A-3P	3#8 & 1#10 GND - 3/4" C.
50A-3P	3#6 & 1#10 GND - 3/4" C.
60A-3P	3#6 & 1#10 GND - 3/4" C.
BRANCH CIRCUIT SCHEDULE NOTES:	
1. TYPE MC CABLE SHALL INCLUDE FULL SIZE INSULATED GROUND CONDUCTOR. SIZES AS INDICATED IN SCHEDULE.	
2. WIRING BASED ON MAXIMUM FEEDER LENGTH OF 150 FEET FOR 120 VOLT CIRCUITS AND 300 FEET FOR 277 VOLT CIRCUITS.	
3. UPGRADE WIRE AND CONDUIT SIZE AS REQUIRED TO ADDRESS VOLTAGE DROP.	

THREE PHASE AND SINGLE PHASE CIRCUIT SCHEDULE NOTES	
1	UNLESS OTHERWISE INDICATED, CONDUCTOR SIZING SHALL MATCH THE SIZE INDICATED FOR THE APPLICABLE OVERCURRENT DEVICE. PROVIDE LARGER CONDUCTORS AND RACEWAY WHERE INDICATED.
2	PROVIDE TYPE AND MINIMUM SIZE OF RACEWAY OR CABLE AS INDICATED IN SPECIFICATION OR ON THE DRAWINGS.
3	PROVIDE NEUTRAL IN CIRCUIT UNLESS DEVICE SERVED DOES NOT HAVE PROVISIONS FOR A NEUTRAL CONNECTION.
4	MINIMUM SIZE CONDUIT FOR SCHEDULE 80 OR ENT IS ONE STANDARD ELECTRICAL SIZE LARGER THAN INDICATED IN THE SCHEDULE. PROVIDE LARGER CONDUIT WHERE SPECIFICALLY INDICATED OTHERWISE. DO NOT INSTALL PVC INDOORS.
5	PROVIDE SEPARATE, INSULATED EQUIPMENT GROUNDING CONDUCTOR WITH EACH FEEDER AND BRANCH CIRCUIT.
6	PROVIDE ADDITIONAL ISOLATED GROUNDING CONDUCTOR SAME SIZE AS THE EQUIPMENT GROUND. IN CIRCUITS TO ISOLATED GROUND PANELS OR DEVICES, GREEN WITH YELLOW STRIPE.
7	FOR PANELS WITH 200% NEUTRAL, PROVIDE 200% NEUTRAL USING TWO PHASE SIZED CONDUCTORS IF SIZE 1/0 OR LARGER, OTHERWISE PROVIDE (1) 3/0 NEUTRAL.
8	PROVIDE SEPARATE INDIVIDUAL NEUTRAL FOR ALL CIRCUITS EXCEPT LIGHTING CIRCUITS. PROVIDE A DEDICATED NEUTRAL FOR GFCI AND AFCI CIRCUITS.
9	CIRCUIT SIZING BASED ON 600 VOLT 90 DEGREE (C) RATED INSULATION. INTERIOR TYPE THHN/THWN OR XHHW-2 (LARGER THAN SIZE #6). FOR EXTERIOR OR BELOW GRADE UTILIZE RHW-2/USE-2 IN CONDUIT ONE SIZE LARGER. SIZING BASED ON 60 DEGREE (C) FOR AMPACITIES 100A OR LESS AND 75 DEGREE (C) AMPACITIES OVER 100A.
10	FOR SERVICE ENTRANCE CONDUCTORS IT IS NOT REQUIRED TO INSTALL THE GROUNDING CONDUCTOR. THE NEUTRAL CONDUCTOR IS FULL SIZED AND IS BONDED TO THE GROUNDING ELECTRODE CONDUCTOR AT THE TRANSFORMER AND THE SERVICE DISCONNECT.
11	FOR BATTERY CABLES, INSTALL AND GROUP IN PAIRS (ONE POSITIVE AND ONE NEGATIVE CONDUCTOR). MARK POSITIVE CONDUCTOR WITH (5) OVERLAPPING WRAPS OF RED ELECTRICAL TAPE ON EACH END.

ELECTRICAL SCHEDULE OF MECHANICAL EQUIPMENT																	
TAG	DESCRIPTION/ AREA SERVED	VOLTS	PH	LOAD	FLA	MCA	MOPD	DISCONNECT SWITCH				STARTER (NEMA)			POWER SOURCE	NOTES	
								FRAME	POLES	FUSE	NEMA.	FBD	SIZE/..	FBD			CBD
P-1	HYDRONIC PUMP	120	1		1	-					1	26	-	-	23	PC-4	
P-6	DRINKING FOUNTAIN	120	1		4.4	4.4	-	-	-	-	-	-	-	-	23	SEE PLAN	8.9
DOAS-1	AIR HANDLING UNIT	208	3	40.8 A	47.6	53.5	70			- FWE -			- FWE -	23	23	PCR-2	2
CU-1	OUTDOOR UNIT	208	1	45 A	45.0		80	60	3	-	3R	26	-	-	23	PCR-2	3
CU-2	OUTDOOR UNIT	208	1	45 A	45.0		80	60	3	-	3R	26	-	-	23	PCR-2	3
CU-3	OUTDOOR UNIT	208	1	45 A	45.0		80	60	3	-	3R	26	-	-	23	PCR-2	3
CU-4	OUTDOOR UNIT	208	1	45 A	45.0		80	60	3	-	3R	26	-	-	23	PCR-2	3
CU-5	OUTDOOR UNIT	208	1	45 A	45.0		80	60	3	-	3R	26	-	-	23	PCR-1	3
CU-6	OUTDOOR UNIT	208	1	45 A	45.0		80	60	3	-	3R	26	-	-	23	PCR-1	3
CU-7	OUTDOOR UNIT	208	1	45 A	45.0		80	60	3	-	3R	26	-	-	23	PCR-1	3
NOTES:												ABBREVIATIONS:					
1	LEAD/LAG											FWE	FURNISHED WITH EQUIPMENT				
2	DUCT SMOKE DETECTORS FURNISHED BY DIVISION 26, INSTALLED BY DIVISION 23, WIRED TO FIRE ALARM BY DIVISION 26.											NF	NOT FUSED				
3	POWER TO OUTDOOR CU BY DIVISION 26, WIRING BETWEEN OUTDOOR CU AND INDOOR AC PROVIDED BY DIVISION 23.											SWB	SWITCHBOARD				
4	PUMPS SHALL BE WIRED TO BOILER, SAME CIRCUIT AS RESPECTIVE BOILER.											FBD	FURNISHED BY DIVISION				
5	PROVIDE MOTOR RATED TOGGLE SWITCH SUITABLE FOR VOLTAGE, LOAD, AND POLE CONFIGURATION FOR EQUIPMENT SERVED.											CBD	CONTROL WIRING BY DIVISION				
6	PROVIDE A SINGLE CIRCUIT TO SERVE THE RESPECTIVE HP UNITS SERVED BY A CU.											MRT	MOTOR RATED TOGGLE SWITCH				
7	PROVIDE 120V, 10A CIRCUIT TO PUMP CONTROLLER, POWER PUMP FROM CONTROLLER.																
8	CORD AND PULP FURNISHED WITH EQUIPMENT. PROVIDE NEMA 5-15 RECEPTACLE. COORDINATE EXACT LOCATION FOR RECEPTACLE IN FIELD.																
9	PROVIDE GFCI CIRCUIT BREAKER IN INDICATED PANEL.																

TECHNOLOGY MATRIX					
<p>TECHNOLOGY GENERAL NOTES:</p> <p>1. DIVISION 26 SHALL PROVIDE BOXES AND CONDUITS WITH PULL STRINGS UNO. DIVISION 27 SHALL PROVIDE CABLING, OUTLETS, AND TERMINATIONS.</p> <p>2. FOR EACH TECHNOLOGY OUTLET, PROVIDE CONCEALED CONDUIT FROM EACH OUTLET BOX TO 6" ABOVE THE NEAREST ACCESSIBLE CORRIDOR CEILING THAT IS CONTIGUOUS TO THE NEAREST IT ROOM, J-HOOK, OR CABLE TRAY PATHWAY. U.N.O. IN ROOMS WITHOUT CEILINGS, CONDUIT SHALL BE RUN AT UNDERSIDE OF DECK TO 6" ABOVE THE NEAREST ACCESSIBLE CORRIDOR CEILING THAT IS CONTIGUOUS TO THE NEAREST IT ROOM, J-HOOK, OR CABLE TRAY PATHWAY, U.N.O. CONDUIT PATHWAYS SHALL BE PROVIDED FOR ANY PORTION OF THE PATH TO NEAREST IT ROOM, J-HOOK, OR CABLE TRAY THAT HAS EXPOSED DECK OR HAS INACCESSIBLE CEILINGS.</p>				SINGLE GANG BOX	DOUBLE GANG BOX
					FLUSH COVER/PLATE UNDER FLOOR BOX
SYMBOL	MTG HT AFF UNO	DESCRIPTION	KEY NOTE	CONDUIT SIZE	BOX TYPE
	18"	(1) VOICE AND (1) DATA OUTLETS		3/4"	X
	18"	(2) VOICE AND (2) DATA OUTLETS		3/4"	X
	18"	(1) VOICE AND (2) DATA OUTLETS		3/4"	X
	18"	(1) DATA OUTLET		3/4"	X
	18"	(2) DATA OUTLETS		3/4"	X
	45"	WALL PHONE OUTLET		3/4"	
	45"	ELEVATOR PHONE OUTLET		3/4"	
	18"	CATV OUTLET		3/4"	X
	ABOVE CEILING	DATA OUTLET FOR WIRELESS ACCESS POINT			X
	F1	UNDERFLOOR/FLUSH COVER BOX WITH (1) DATA OUTLETS, (1) DUPLEX RECEPTACLES AND EMPTY 2-GANG FOR AV USE	2	(2) 1" UNDERSLAB & (1) 1 1/4" UNDERSLAB	X
	F2	UNDERFLOOR/FLUSH FLOOR BOX WITH (1) GFI DUPLEX RECEPTACLE	2	(1) 1" UNDERSLAB	X
	F3	UNDERFLOOR/FLUSH FLOOR BOX WITH (2) GFI DUPLEX RECEPTACLE	2	(1) 1" UNDERSLAB	X
<b>NOTES:</b>					
1. MOUNTING HEIGHT AS NOTED ON PLANS.					
2. SEE FLOOR BOX DETAIL. BASIS OF DESIGN: FSR, INC., FL-600P SERIES.					
3. FOR AREAS WITH SUSPENDED CEILINGS, INSTALL BOX ABOVE CEILING. WIRING SHALL BE CONCEALED ABOVE CEILINGS OR IN CONDUIT WHERE EXPOSED. FOR AREAS WITHOUT CEILINGS, MOUNT BOX AT UNDERSIDE OF DECK AND PROVIDE CONDUIT PER TECHNOLOGY GENERAL NOTE 2 ABOVE.					

SPECIAL RECEPTACLE SCHEDULE				
TAG	NEMA	DESCRIPTION (SINGLE DEVICE)	OCPD	BRANCH CIRCUIT
A	5-15R	15A-125V,2P,3W	15A-1P	2#12 & 1#12GND - 3/4" C
A1	5-15R	15A-125V,2P,3W, GFCI	15A-1P	2#12 & 1#12GND - 3/4" C
B	5-20R	20A-125V,2P,3W	20A-1P	2#12 & 1#12GND - 3/4" C
B1	5-20R	20A-125V,2P,3W, GFCI	20A-1P	2#12 & 1#12GND - 3/4" C
C	3-30R	30A-125V,2P,3W	30A-1P	2#10 & 1#10GND - 3/4" C
D	5-50R	50A-125V,2P,3W	50A-1P	2#6 & 1#10GND - 3/4" C
E	6-15R	15A-250V,2P,3W	15A-2P	2#12 & 1#12GND - 3/4" C
F	6-20R	20A-250V,2P,3W	20A-2P	2#12 & 1#12GND - 3/4" C
G	6-30R	30A-250V,2P,3W	30A-2P	2#10 & 1#10GND - 3/4" C
H	6-50R	50A-250V,2P,3W	50A-2P	2#6 & 1#10GND - 3/4" C
I	14-20R	20A-125/250V,3P,4W	20A-2P	2#12 & 1#12GND - 3/4" C
J	14-30R	30A-125/250V,3P,4W	30A-2P	2#10 & 1#10GND - 3/4" C
K	14-50R	50A-125/250V,3P,4W	50A-2P	3#6 & 1#10GND - 1" C
L	14-60R	60A-125/250V,3P,4W	60A-2P	3#6 & 1#10GND - 1" C
M	15-20R	20A-250V,3PH,3P,4W	20A-3P	3#12 & 1#12GND - 3/4" C
N	15-30R	30A-250V,3PH,3P,4W	30A-3P	3#10 & 1#10GND - 3/4" C
P	15-50R	50A-250V,3PH,3P,4W	50A-3P	3#6 & 1#10GND - 1" C
Q	15-60R	60A-250V,3PH,3P,4W	60A-3P	3#6 & 1#10GND - 1" C
R	L5-20R	20A-125V,2P,3W, TWIST LOCK	20A-1P	2#12 & 1#12GND - 3/4" C
S	L5-30R	30A-125V,2P,3W, TWIST LOCK	30A-1P	2#10 & 1#10GND - 3/4" C
T	L6-15R	15A-250V,2P,3W, TWIST LOCK	15A-2P	2#12 & 1#12GND - 3/4" C
U	L6-20R	20A-250V,2P,3W, TWIST LOCK	20A-2P	2#12 & 1#12GND - 3/4" C
V	L6-30R	30A-250V,2P,3W, TWIST LOCK	30A-2P	2#10 & 1#10GND - 3/4" C
W	L14-20R	20A -125/250V,3P,4W,TWIST LOCK	20A-2P	3#12 & 1#12GND - 3/4" C
X	L14-30R	30A -125/250V,3P,4W,TWIST LOCK	30A-2P	3#10 & 1#10GND - 3/4" C
Y	14-50R	50A -125/250V,3P,4W	40A-3P	3#6 & 1#10GND - 1" C
Z	L16-30R	30A-480V, 3P, 4W, TWIST LOCK	30A-3P	3#10 & 1#10GND - 3/4" C

PROJECT NAME:

# MCJA - BUILDING C LIMITED RENOVATIONS

15 OAK GROVE RD  
VASSALBORO, ME 04989

SEAL:

NOT FOR  
CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
2023 © SCOTT SIMONS ARCHITECTS, LLC

 REVISIONS

DATE OF ISSUE: APRIL 8, 2025

PROJECT NUMBER: 2023-0070

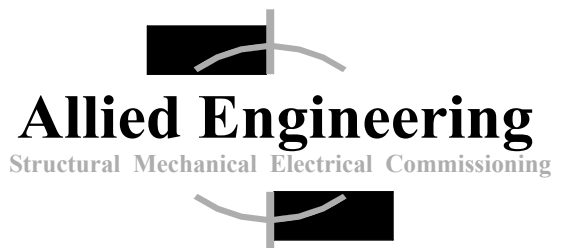
STATUS:	ISSUED FOR BID - NOT FOR CONSTRUCTION
---------	--

## ELECTRICAL SCHEDULES

# E-600



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



**160 Veranda Street  
Portland, Maine 04103**  
**T: 207.221.2260**  
**F: 207.221.2266**  
**Web: [www.allied-eng.com](http://www.allied-eng.com)**

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No: 23030

Cad File



**Lighting and Appliance Panelboard:** (E)PC3

Location: Space 210  
Supply From:  
Mounting: Flush

**Volts:** 120/208 Wye  
**Phases:** 3  
**Wires:** 4

**A.I.C. Rating:** SEE FAULT STUDY  
**Mains Type:** MLO  
**Bus Rating:** 125 A  
**MCB Rating:**

CKT	Circuit Description	Trip Amps	Poles	A (kVA)		B (kVA)		C (kVA)		Poles	Trip Amps	Circuit Description	CKT
1	ROOM 311 RECS	20	1	1	1					1	20	ROOM 312 RECS	2
3	ROOM 314 RECS	20	1			1	1.2				20	ROOM 304, 305 RECS	4
5	ROOM 315 RECS	20	1					1	1	1	20	ROOM 316 RECS	6
7	ROOM 317 RECS	20	1	1	1						20	ROOM 318 RECS	8
9	ROOM 319 RECS	20	1			1	1				20	ROOM 320 RECS	10
11	ROOM 321 RECS	20	1					1	0.9	1	20	CORRIDOR RECS	12
13	ROOM 300A RECS	20	1	0.7	0.4					1	20	TELECOM 300B RECS	14
15	TELECOM 300B RECS	20	1			0.4	0.4			20	ROOM 302 RECS	16	
17	FIRE/SMOKE DAMPERS	20	1					0.2	0	1	20	Spare	18
19	* DRINKING FOUNTAIN	20	1	0.6	0					1	20	Spare	20
21	ROOFTOP RECS	20	1			0.2	0			1	20	Spare	22
23	Spare	20	1					0	0	1	20	Spare	24
25	Spare	20	1	0	0					1	20	Spare	26
27	Spare	20	1			0	0			1	20	Spare	28
29	Spare	20	1					0	0	1	20	Spare	30
31	Spare	20	1	0	0					20	Spare	32	
33	Spare	20	1			0	0			1	20	Spare	34
35	Spare	20	1					0	0	1	20	Spare	36
37	Spare	20	1	0	0					1	20	Spare	38
39	Spare	20	1			0	0			1	20	Spare	40
41	Spare	20	1					0	0	1	20	Spare	42
Total Load:				5.6 kVA		5.1 kVA		4.1 kVA					
Total Amp:				48 A		44 A		34 A					

Load Classification	Connected Load	Demand Factor		Panel Totals
Other	200 VA	100.00%		
Power	500 VA	100.00%		Total Conn. Load: 14.8 kVA
Receptacle	2520 VA	100.00%		Total Est. Demand: 14.5 kVA
Mechanical Equipment	600 VA	125.00%		Total Conn.: 41 A
				Total Est. Demand: 40 A

**Notes:**  
\* = PROVIDE GFCI CIRCUIT BREAKER

<b>Lighting and Appliance Panelboard:</b>	<b>PC4</b>
---	------------

**Location:** Space 261  
**Supply From:**  
**Mounting:** Flush

**Volts:** 120/208 Wye  
**Phases:** 3  
**Wires:** 4

**A.I.C. Rating:** SEE FAULT STUDY  
**Mains Type:** MLO  
**Bus Rating:** 125 A  
**MCB Rating:**

CKT	Circuit Description	Trip Amps	Poles	A (kVA)		B (kVA)		C (kVA)		Poles	Trip Amps	Circuit Description	CKT
1	ROOM 411 RECS	20	1	1						1	20	ROOM 412 RECS	2
3	ROOM 414 RECS	20	1			1	1.2			1	20	ROOM 404, 405 RECS	4
5	ROOM 415 RECS	20	1					1	1	1	20	ROOM 416 RECS	6
7	ROOM 417 RECS	20	1	1	1					1	20	ROOM 418 RECS	8
9	ROOM 419 RECS	20	1			1	1			1	20	ROOM 420 RECS	10
11	ROOM 421 RECS	20	1					1	0.9	1	20	CORRIDOR RECS	12
13	ROOM 400A RECS	20	1	0.2	0.4					1	20	TELECOM 400B RECS	14
15	TELECOM 400B RECS	20	1			0.4	0.4			1	20	ROOM 402 RECS	16
17	FIRE/SMOKE DAMPERS	20	1					0.3	0.6	1	20	DRINKING FOUNTAIN	18
19	Spare	20	1	0	0					1	20	Spare	20
21	Spare	20	1			0	0			1	20	Spare	22
23	Spare	20	1					0	0	1	20	Spare	24
25	Spare	20	1	0	0					1	20	Spare	26
27	Spare	20	1			0	0			1	20	Spare	28
29	Spare	20	1					0	0	1	20	Spare	30
31	Spare	20	1	0	0					1	20	Spare	32
33	Spare	20	1			0	0			1	20	Spare	34
35	Spare	20	1					0	0	1	20	Spare	36
37	Spare	20	1	0	0					1	20	Spare	38
39	Spare	20	1			0	0			1	20	Spare	40
41	Spare	20	1					0	0	1	20	Spare	42
Total Load:				4.5 kVA		4.9 kVA		4.8 kVA					
Total Amp:				38 A		41 A		41 A					

Load Classification	Connected Load	Demand Factor		Panel Totals
Other	200 VA	100.00%		
Receptacle	2340 VA	100.00%		Total Conn. Load: 14.3 kVA
Mechanical Equipment	720 VA	125.00%		Total Est. Demand: 13.9 kVA
				Total Conn.: 40 A
				Total Est. Demand: 39 A

**Notes:**  
\* = PROVIDE GFCI CIRCUIT BREAKER

<b>Lighting and Appliance Panelboard:</b>	<b>PCR-1</b>
---	--------------

Location: Space 210  
Supply From:  
Mounting: Flush

**Volts:** 120/208 Wye  
**Phases:** 3  
**Wires:** 4

**A.I.C. Rating:** SEE FAULT STUDY  
**Mains Type:** MLO  
**Bus Rating:** 125 A  
**MCB Rating:**

CKT	Circuit Description	Trip Amps	Poles	A (kVA)		B (kVA)		C (kVA)		Poles	Trip Amps	Circuit Description	CKT
1	ROOFTOP RECS	20	1	0.4	4.7					2	80	CU-5	2
3	CU-6	80	2			4.7	4.7						4
5								4.7	4.7				6
7	Spare	20	1	0	4.7					2	80	CU-7	8
9	Spare	20	1			0	0			1	20	Spare	10
11	Spare	20	1					0	0	1	20	Spare	12
13	Spare	20	1	0	0					1	20	Spare	14
15	Spare	20	1			0	0			1	20	Spare	16
17	Spare	20	1					0	0	1	20	Spare	18
19	Spare	20	1	0	0					1	20	Spare	20
21	Spare	20	1			0	0			1	20	Spare	22
23	Spare	1	20					0	0	1	20	Spare	24
25	Spare	20	1	0	0					1	20	Spare	26
27	Spare	20	1			0	0			1	20	Spare	28
29	Spare	20	1					0	0	1	20	Spare	30
Total Load:				9.7 kVA		9.4 kVA		9.4 kVA					
Total Amp:				81 A		78 A		78 A					

[illegible]

**Notes:**

<b>Lighting and Appliance Panelboard:</b>	<b>PCR-2</b>
---	--------------

**Location:** Space 261  
**Supply From:**  
**Mounting:** Flush

**Volts:** 120/208 Wye  
**Phases:** 3  
**Wires:** 4

**A.I.C. Rating:** SEE FAULT STUDY  
**Mains Type:** MLO  
**Bus Rating:** 250 A  
**MCB Rating:**

CKT	Circuit Description	Trip Amps	Poles	A (kVA)		B (kVA)		C (kVA)		Poles	Trip Amps	Circuit Description	CKT
1	CU-1	80	2	4.7	4.7					2	80	CU-2	2
3						4.7	4.7						4
5								4.7	5.7				6
7	CU-3	80	2	4.7	5.7					3	70	DOAS-1	8
9	CU-4	80	2			4.7	5.7			1	20	Spare	10
11								4.7	0				12
13				Spare	20	1	0	0					
15	Spare	20	1			0	0			1	20	Spare	16
17	Spare	20	1					0	0	1	20	Spare	18
19	Spare	20	1	0	0					1	20	Spare	20
21	Spare	20	1			0	0			1	20	Spare	22
23	Spare	20	1					0	0	1	20	Spare	24
25	Spare	20	1	0	0					1	20	Spare	26
27	Spare	20	1			0	0			1	20	Spare	28
29	Spare	20	1					0	0	1	20	Spare	30
Total Load:				19.8 kVA		19.8 kVA		15.1 kVA					
Total Amp:				171 A		171 A		126 A					

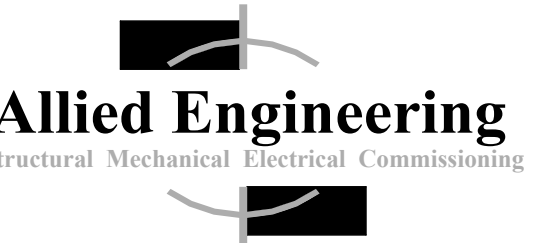
Load Classification	Connected Load	Demand Factor	Panel Totals
Mechanical Equipment	54590 VA	125.00%	
			Total Conn. Load: 54.6 kVA
			Total Est. Demand: 68.2 kVA
			Total Conn.: 152 A
			Total Est. Demand: 189 A

Notes:

Autodesk Docs://Maine Criminal Justice Academy/23030MEP\_R23.mt



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656



**160 Veranda Street  
Portland, Maine 04103**  
**T: 207.221.2260**  
**F: 207.221.2266**  
**Web: [www.allied-eng.com](http://www.allied-eng.com)**

© COPYRIGHT 2023 ALLIED ENGINEERING, INC.

Allied Project No: 2303

Cad File

PROJECT NAME

MCJA - BUILDING  
C LIMITED  
RENOVATIONS

15 OAK GROVE RD  
WASSALBORO, ME 0498

SEAL

NOT FOR  
CONSTRUCTION

THIS DRAWING IS THE PROPERTY OF  
SIMONS ARCHITECTS (SA) AND IS NOT  
TO BE COPIED OR REPRODUCED IN  
PART OR WHOLE.  
© 2023 © SCOTT SIMONS ARCHITECTS, LLC

## REVISIONS

DATE OF ISSUE: APRIL 8, 2025

PROJECT NUMBER: 2023-0070

STATUS: ISSUED FOR BID - NOT FOR CONSTRUCTION

## PANEL SCHEDULES

# E-601