

This Border is intended for a 22" x 34" sheet. If printed sheet size differs, refer to graphic bar scales only.

PLOTTED ON: 8/19/2026 1:11:40 PM

ADA RENOVATIONS

NEW CITIZEN'S CENTER

1407A MAIN STREET
WORCESTER, MA 01603

CONSTRUCTION DOCUMENTS

AUGUST 19, 2026

ARCHITECT
HABEEB & ASSOCIATES ARCHITECTS

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OWNER/AWARDING AUTHORITY
CITY OF WORCESTER - PURCHASING
DIVISION

455 MAIN STREET - ROOM 201
WORCESTER, MA 01608

TEL: 508-799-1297

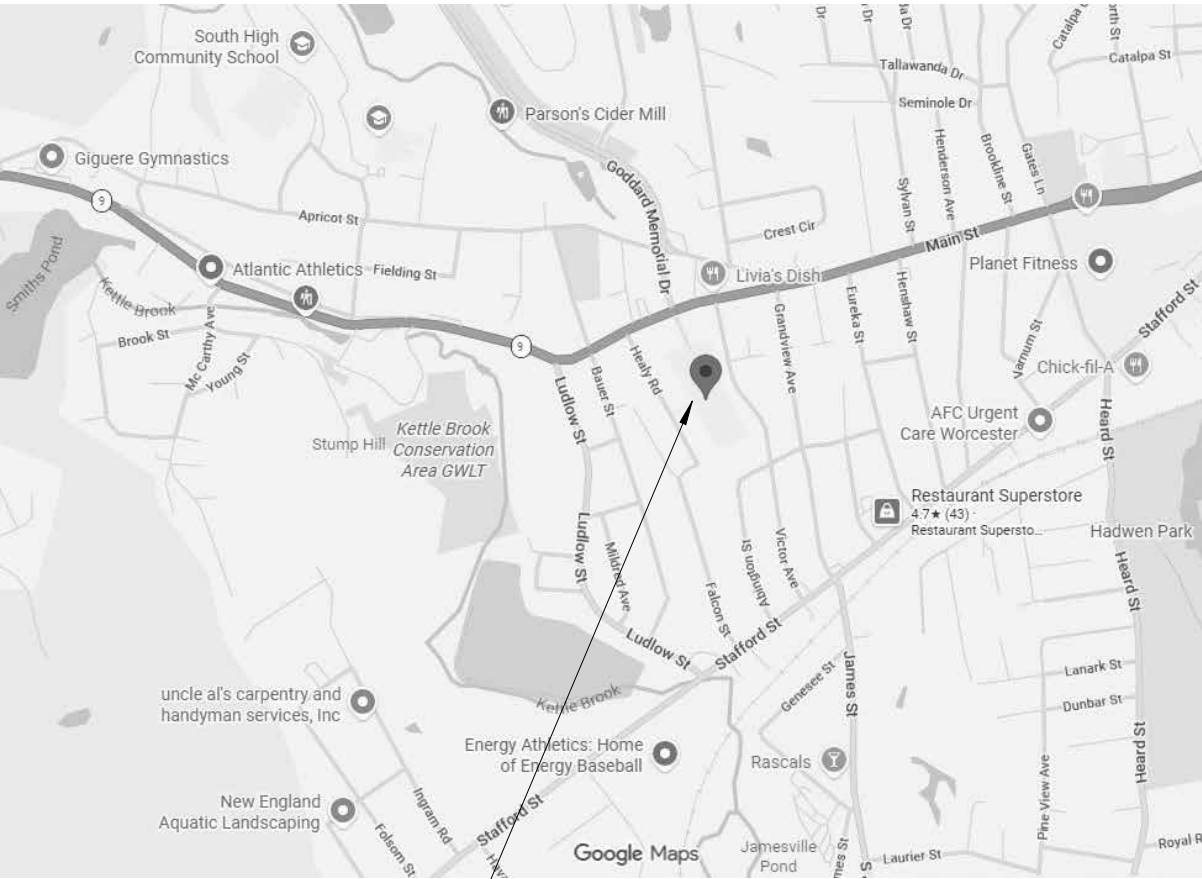
OWNER'S PROJECT MANAGER
WORCESTER PUBLIC SCHOOLS
FACILITIES MANAGEMENT
115 NORTHEAST CUTOFF
WORCESTER, MA 01608

TEL:774-418-1780

DRAWING LIST

GENERAL	E-201	FIRST FLOOR PLAN - LIGHTING
G-001 COVER SHEET	E-210	BASEMENT PLAN - POWER
G-002 SYMBOLS, ABBREVIATIONS & GENERAL NOTES	E-211	FIRST FLOOR PLAN - POWER
G-010 BUILDING CODE SUMMARY, FIRE SAFETY PLAN	E-220	BASEMENT PLAN - SYSTEMS
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AD-400 ENLARGED BASEMENT PLANS - DEMOLITION	E-600	ELECTRICAL SCHEDULES
AD-410 ENLARGED FIRST FLOOR PLANS - DEMOLITION		
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AD-421 ENLARGED FIRST FLOOR CEILING PLANS - DEMOLITION		
ARCHITECTURAL		
A-001 ARCHITECTURAL SITE PLAN		
A-100 BASEMENT PLAN		
A-110 FIRST FLOOR PLAN		
A-400 ENLARGED BASEMENT FLOOR & CEILING PLANS & ELEVATIONS		
A-410 ENLARGED FIRST FLOOR PLANS		
A-411 ENLARGED FIRST FLOOR PLANS		
A-420 ENLARGED FIRST FLOOR CEILING PLANS		
A-421 ENLARGED FIRST FLOOR CEILING PLANS		
A-430 ENLARGED ELEVATIONS		
A-431 ENLARGED ELEVATIONS		
A-500 KITCHEN ELEVATIONS & DETAILS		
A-601 DOOR SCHEDULE		
A-710 FINISH PLANS & DETAILS		
PLUMBING		
P-000 PLUMBING COVERSHEET		
P-100 BASEMENT DEMOLITION PLAN - PLUMBING		
P-101 FIRST FLOOR DEMOLITION PLAN - PLUMBING		
P-200 BASEMENT PLAN - PLUMBING		
P-201 FIRST FLOOR PLAN - PLUMBING		
P-300 ENLARGED BASEMENT PLUMBING PLANS		
P-301 ENLARGED FIRST FLOOR DEMOLITION PLUMBING PLANS		
P-303 ENLARGED FIRST FLOOR PLUMBING PLANS		
P-304 ENLARGED FIRST FLOOR PLUMBING PLANS		
P-400 PLUMBING DETAILS		
P-600 PLUMBING SCHEDULES		
MECHANICAL		
M-000 HVAC COVERSHEET		
M-100 BASEMENT DEMOLITION PLAN - HVAC		
M-101 FIRST FLOOR DEMOLITION PLAN - HVAC		
M-102 ROOF DEMOLITION PLAN - HVAC		
M-200 BASEMENT PLAN - HVAC		
M-201 FIRST FLOOR PLAN - HVAC		
M-202 ROOF PLAN - HVAC		
M-300 ENLARGED BASEMENT HVAC PLANS		
M-301 HVAC ENLARGED FIRST FLOOR DEMOLITION PLANS		
M-302 HVAC ENLARGED FIRST FLOOR DEMOLITION PLANS		
M-303 HVAC ENLARGED FIRST FLOOR PLANS		
M-304 HVAC ENLARGED FIRST FLOOR PLANS		
M-400 HVAC DETAILS		
M-401 HVAC DETAILS		
M-500 HVAC DIAGRAMS		
M-600 HVAC SCHEDULES		
ELECTRICAL		
E-000 ELECTRICAL COVERSHEET		
E-100 BASEMENT DEMOLITION PLAN - LIGHTING		
E-101 FIRST FLOOR DEMOLITION PLAN - LIGHTING		
E-200 BASEMENT PLAN - LIGHTING		

LOCUS PLA (NOT TO SCALE)



HABEEB & ASSOCIATES
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REVISIONS		
Δ	MM-DD-YYYY	DESCRIPTION

PROJECT NO: 2430.05
DATE: 08/19/2026
SCALE: AS NOTED
DRAWN BY: JG / AR
CHECKED BY: TP / MB

COVER SHEET

G-001

SYMBOLS

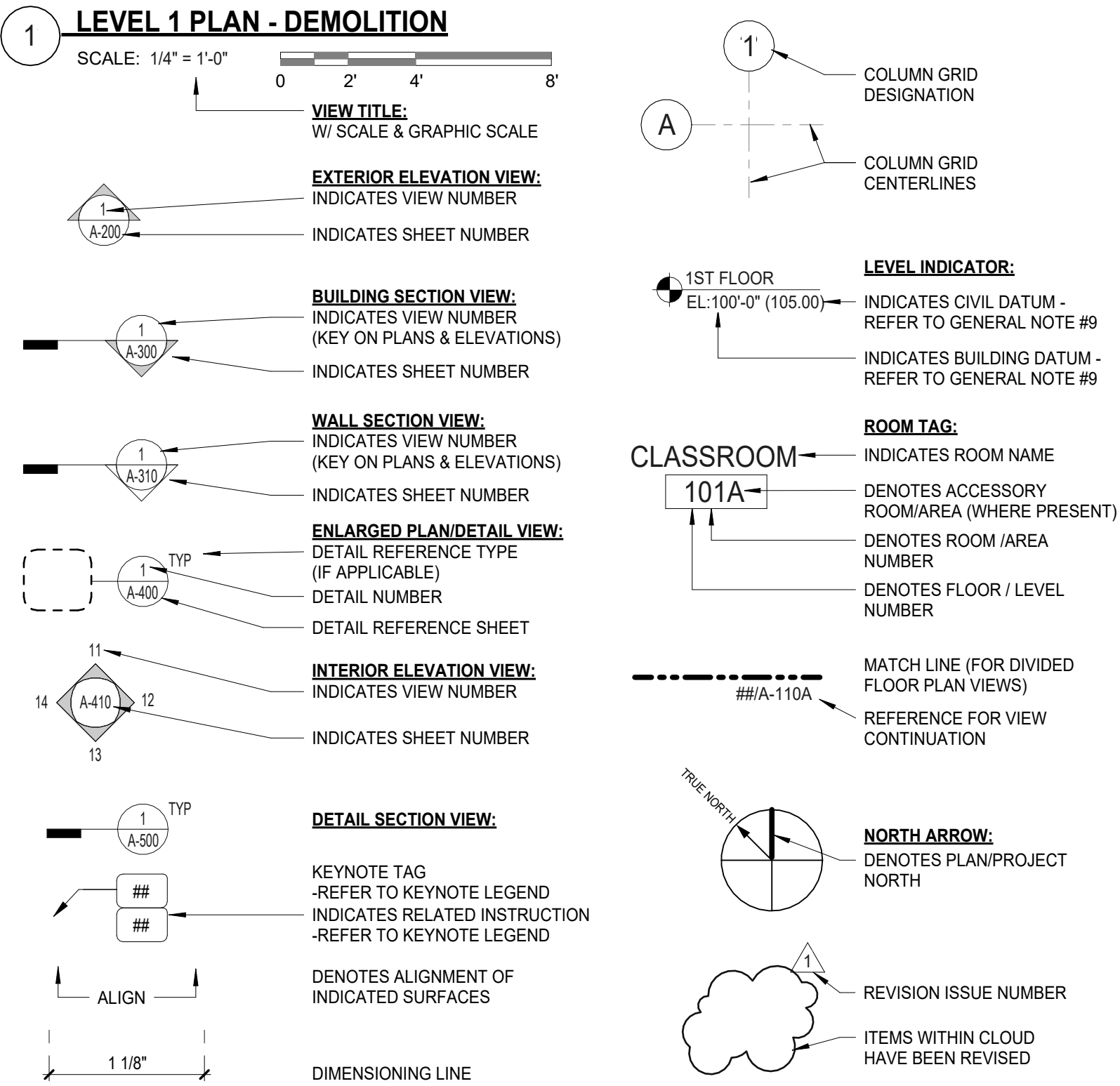
MATERIALS (SECTION VIEWS)

	CONCRETE		METAL STUD PARTITION
	EARTH / COMPACT FILL		PLASTIC
	RIGID INSULATION		CARPET & PAD
	BRICK		ROUGH LUMBER
	MASONRY BLOCK		ALUMINUM
	GYPSUM WALLBOARD		STEEL
	BATT INSULATION		CERAMIC TILE
	ACOUSTICAL TILE		HARDWOOD
	GLAZED BRICK		MEDIUM DENSITY FIBERBOARD
	METAL LATHE & PLASTER		PLYWOOD

MATERIALS (ELEVATION VIEWS)

	BRICK (REFER TO DETAILS FOR ACCURATE COURSING LINES)
	CONCRETE
	EARTH - ELEVATION / DETAIL
	RIGID INSULATION
	GLASS
	SHEET METAL
	CERAMIC TILE
	CMU (REFER TO DETAILS FOR ACCURATE COURSING LINES)
	CRUSHED STONE / GRAVEL

GENERAL DRAWING ANNOTATIONS



GENERAL NOTES

- "N.I.C." IS NOTED ON ITEMS NOT IN THE CONTRACT. "BY OWNER" AND/OR "OTHERS" ARE NOTED ON ITEMS TO BE PROVIDED UNDER SEPARATE CONTRACT BY THE TENANT.
 - WHERE A TYPICAL CONDITION IS DETAILED AND/OR NOTED, IT SHALL BE UNDERSTOOD THAT ALL LIKE OR SIMILAR CONDITIONS SHALL BE THE SAME UNLESS SPECIFICALLY DETAILED OR NOTED OTHERWISE.
 - DO NOT SCALE DRAWINGS. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE SHOWN ON DRAWINGS. THE CONTRACTOR SHALL REQUEST CLARIFICATION FROM THE ARCHITECT OF ANY DIMENSIONAL REQUIREMENT AS NECESSARY FOR THE PROPER EXECUTION OF ANY AFFECTED WORK PRIOR TO THE COMMENCEMENT OF SUCH WORK.
 - THE TERM "AFFECTED WORK" AS USED IN THESE GENERAL NOTES SHALL BE DEEMED TO BE ANY REQUIREMENT OF THE CONSTRUCTION DOCUMENTS AND SHALL BE FURTHER DEEMED TO INCLUDE THE PROCUREMENT OF ANY AND ALL MATERIALS, TOOLS, LABOR, ETC., AS FURTHER DESCRIBED IN THE SPECIFICATIONS, REQUIRED FOR THE EXECUTION OF SUCH WORK.
 - THE CONTRACTOR SHALL REPORT ANY DISCREPANCY WITHIN THE CONTRACT DOCUMENTS TO THE ARCHITECT FOR CLARIFICATION AND/OR RESOLUTION PRIOR TO THE COMMENCEMENT OF ANY AFFECTED WORK. SUCH CLARIFICATION AND/OR RESOLUTION SHALL BE PROVIDED BY THE ARCHITECT PRIOR TO THE COMMENCEMENT OF ANY AFFECTED WORK.
 - THE CONTRACTOR SHALL VERIFY ALL EXISTING SITE, BUILDING, AND UTILITY CONDITIONS, AND SHALL REPORT ANY DISCREPANCIES BETWEEN SUCH EXISTING CONDITIONS AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS TO THE ARCHITECT FOR CLARIFICATION AND/OR RESOLUTION, PRIOR TO THE COMMENCEMENT OF ANY AFFECTED WORK. THE ARCHITECT SHALL PROVIDE SUCH CLARIFICATION AND/OR RESOLUTION PRIOR TO THE COMMENCEMENT OF ANY AFFECTED WORK.
 - THE LOCATIONS OF ALL NEW PLUMBING FIXTURES, MECHANICAL EQUIPMENT, DUCTWORK, AND PIPING ARE TO BE CONSIDERED DIAGRAMMATIC UNLESS SPECIFICALLY NOTED AND/OR DIMENSIONED OTHERWISE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT LOCATION REQUIREMENTS FOR THE SAME, AND SHALL REPORT ANY CONFLICTS AFFECTING THE CONSTRUCTION DOCUMENTS TO THE ARCHITECT PRIOR TO THE COMMENCEMENT OF ANY AFFECTED WORK. THE ARCHITECT SHALL PROVIDE CLARIFICATION AND/OR RESOLUTION REGARDING ANY SUCH CONFLICT PRIOR TO THE COMMENCEMENT OF ANY AFFECTED WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY REQUIREMENTS FOR ALL OFFSETS, BENDS, ELBOWS, AND/OR OTHER COMPONENTS NOT DRAWN BUT NECESSARY FOR PROPER EXECUTION OF THE WORK, AND ALL SUCH MISCELLANEOUS COMPONENTS SHALL BE DEEMED TO BE PART OF THE SCOPE OF WORK REQUIRED BY THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL MANUFACTURERS' REQUIREMENTS FOR MECHANICAL EQUIPMENT RELATED TO POWER, WATER SUPPLY, DRAINAGE, PADS, BASES, ANCHORAGE, STRUCTURAL OPENINGS, ETC. PIPING AND DUCTS PENETRATING WALLS AND/OR FLOOR/CEILING ASSEMBLIES SHALL BE PROVIDED WITH ALL NECESSARY FRAMES, BRACING, FIRESAFING, AND ACOUSTICAL SEALANT AROUND SUCH OPENINGS. SEE MECHANICAL DRAWINGS AND SPECIFICATIONS.
 - NOMINAL DIMENSIONS FOR LUMBER AND WOOD TRIM ARE NOTED IN THE FOLLOWING FORMAT: 1 x 4, 5/4 x 4, 2 x 4, ETC. ACTUAL DIMENSIONS, WHERE REQUIRED, ARE NOTED AS 1" x 2" ETC.
 - VERTICAL DATUM: ARCHITECTURAL DRAWINGS REFERENCE THE MAIN FLOOR CLOSEST TO GROUND LEVEL AS 100'-0". ALL ARCHITECTURAL SPOT ELEVATIONS AS REFERENCED BY MARKER.
- ARE RELATIVE TO THIS ARCHITECTURAL DATUM. THE NUMBER IN PARENTHESIS, WHERE USED, IS INTENDED TO CONVEY THE CIVIL DATUM IN DECIMAL FEET. REFER TO CIVIL DRAWINGS FOR BENCHMARK AND ACTUAL GRADE ELEVATIONS.

ABBREVIATIONS

@	AT	DF	DRINKING FOUNTAIN	FS	FIRE SHIELD	LTG	LIGHTING	RB	RESILIENT BASE	TO	TOP OF
ACT	ACOUSTICAL CEILING TILE	DIA	DIAMETER	FSZ	FULL SIZE	LVR	LOUVER	RD	ROOF DRAIN	TOB	TOP OF BLOCKING
AD	AREA DRAIN	DIM	DIMENSION	FT	FEET, FOOT			REF	REFRIGERATOR	TOC	TOP OF CONCRETE
ADJ	ADJUSTABLE	DN	DOWN	FTR	FIN TUBE RADIATOR	MACH	MACHINE	REINF	REINFORCING	TOF	TOP OF FOOTING
AFF	ABOVE FINISH FLOOR	DO	DOOR OPENING	FUR	FURRING	MAS	MASONRY	REQD	REQUIRED	TOM	TOP OF MASONRY
ALUM	ALUMINUM	DR	DOOR			MAT	MATERIAL	RESIL	RESILIENT	TOP	TOP OF PARAPET
ANCH	ANCHOR	DS	DOWNSPOUT	GA	GAUGE	MAX	MAXIMUM	RET	RETAINING	TOR	TOP OF RAIL
APPROX	APPROXIMATE(LY)	DSP	DISPENSER	GALV	GALVANIZED	MB	MARKER BOARD	RJ	RELIEVING JOINT	TOS	TOP OF STEEL
BD	BOARD	DWG(S)	DRAWING(S)	GC	GENERAL CONTRACTOR	MD	METAL DOOR	RL	ROOF LADDER	TOW	TOP OF WALL
BFE	BOTTOM OF FOOTING ELEVATION			GFCMU	GROUND FACED CMU	MECH	MECHANICAL	RM	ROOM	TWR	TOWER
BIT	BITUMINOUS	EA	EACH	GL	GLASS	MEMBR	MEMBRANE	RO	ROUGH OPENING	TYP	TYPICAL
BKSP	BACKSPASH	ED	END SPLASH	GMU	GLAZED MASONRY UNIT	MFR	MANUFACTURER	RWL	RAIN WATER LEADER		
BKT	BRACKET	EDSP	END SPLASH	GR	GRADE	MIN	MINIMUM			UC	UNDERCUT
BLDG	BUILDING	EF	EXHAUST FAN	GSU	GLAZED STRUCTURAL UNIT	MISC	MISCELLANEOUS	S, STR	STRUCTURAL	UL	UNDERWRITERS LABORATORY
BLK	BLOCK	EIFS	EXTERIOR INSULATED FINISH SYSTEM	GWB	GYPSUM WALL BOARD	MMC	MISC METAL CONTRACTOR	SAM	SELF ADHERED MEMBRANE	UNO / UON	UNLESS NOTED OTHERWISE / UNLESS OTHERWISE NOTED
BLKG	BLOCKING	EJ	EXPANSION JOINT	GYP	GYPSUM	MT	METAL THRESHOLD	SCUPPER	SCUPPER	UPR	UPPER
BM	BEAM	EL	ELEVATION (GRADE)	HC	HANDICAP(ED)	MTD	MOUNTED	SCN	SCREEN	UV	UNIT VENTILATOR, ULTRAVIOLET
BOD	BOTTOM OF DECK	ELEC	ELECTRIC (GRADE)	HD	HEAD, HIGH DENSITY	MTL	METAL	SD	STORM DRAIN		
BSMT	BASEMENT	ELEV	ELEVATION (GRADE)	HOR	HEADER	NAT	NATURAL	SECT	SECTION	V	VOLT(AGE)
		EDD	EDGE OF DECK	HOWD	HARDWOOD	NC	NONCORROSIVE	SH	SHELF, SHELVING, SINGLE-HUNG	VC	VINYL CLAD
		EP	ELECTRIC PANEL	HOWR	HARDWARE	NIC	NOT IN CONTRACT	SHT	SHEET	VCT	VINYL COMPOSITE TILE
CAB	CABINET	EQ	EQUAL	HGT	HEIGHT	NO / #	NUMBER	SIGS	SILICON IMPREGNATED GYPSUM SHEATHING	VENT	VENTILATOR
CAB	CHALKBOARD OR CATCH BASIN	EPDM	ETHYLENE PROPYLENE DIENE MONOMER	HR	HORIZONTAL	NOM	NOMINAL	SIM	SIMILAR	VERT	VERTICAL
CEM	CEMENT	EQ	EQUAL	HP	HIGH POINT			SIP	STRUCTURAL INSULATED PANEL	VEST	VESTIBULE
CER/CT	CERAMIC/ CERAMIC TILE	EQUIP	EQUIPMENT	HR	HOUR	OA	OVERALL	SLD	SLIDING	VIF	VERIFY IN FIELD
CG	CORNER GUARD	ES	EACH SIDE	HT	HEIGHT	OC	ON CENTER	SMV	SMOKE-VENTING HATCH	VP	VENT PIPE
CHP	CONCRETE HOUSEKEEPING PAD	ETR	EXISTING TO REMAIN	HVAC	HEATING, VENTILATION & AIR CONDITIONING	OD	OUTSIDE DIAMETER	SPEC	SPECIFICATIONS	VS	VINYL SHEET
CI	CONTINUOUS INSULATION	EXIST	EXISTING			OH	OPPOSITE HAND	SPF	SPECIFIED	VT	VINYL TILE
CIP	CAST IN PLACE	EXP	EXPOSED			OPER	OPERATE	SPR	SPEAKER	VWC	VINYL WALL COVERING
CJ	CONTROL JOINT	EXT	EXTERIOR			OPNG	OPENING	SS	SQUARE FEET	W	WIDE, WIDE FLANGE
CL	CENTERLINE	EXTN	EXTINGUISHER			OVHD	OVERHEAD	SQ	SQUARE	W/	WITH
CLG	CEILING					OZ	OUNCES	ST	STANDARD	W/O, WO	WITHOUT
CLKG	CAULKING	FB	FLAT BAR			PARTN	PARTITION	STD	STANDARD	WB	WHITE BOARD (MARKER BOARD)
CLOS	CLOSET	FC	FIRE CODE			PC	PRECAST CONCRETE	STIFF	STIFFENER	WBO	WORK BY OTHERS
CLR	CLEAR(ANCE)	FCP	FIBER CEMENT PANEL			PERIM	PERIMETER	STL	STEEL	WBOR	WORK BY OWNER
CMU	CONCRETE MASONRY UNIT	FD	FLOOR DRAIN			PERP	PERPENDICULAR (TO)	STOR	STORAGE	WC	WATER CLOSET
CO	CLEAR OPENING	FDC	FIRE DEPARTMENT CONNECTION			PL	PLATE	STRUCT	STRUCTURAL	WD	WOOD
COL	COLUMN					PL	PLASTIC LAMINATE	SUSP	SUSPENDED	WG	WINDOW DIMENSION
CONC	CONCRETE (PORTLAND CEMENT)	FDV	FIRE DEPARTMENT VALVE	JAN	JANITOR	PL	PLATE	SY	SQUARE YARD	WH	WALL-HUNG
		FDVC	FIRE DEPARTMENT VALVE CABINET	JB	JUNCTION BOX	PLAS	PLASTER			W/	WITH
COND	CONDITION			JST	JOIST	PLUMB	PLUMBING			WO	WITHOUT
CONST	CONSTRUCTION	FE	FIRE EXTINGUISHER	JT	JOINT	PLWD	PLYWOOD			WP	WATERPROOFING
CONT	CONTINUOUS	FEC	FIRE EXTINGUISHER CABINET			PNL	PANEL			WT	WEIGHT
CONTR	CONTRACTOR	FF	FACTORY FINISH			POL	POLISHED			WWF	WELDED WIRE FABRIC
CORR	CORRIDOR	FFE	FINISH FLOOR ELEVATION	LAM	LAMINATE(D)	PT	PRESSURE TREATED PAINT(ED)			WWW	WELDED WIRE MESH
CR	COLD ROLLED	FH	FLAT HEAD	LBS / #	POUNDS	QT	QUANTITY				
CTOP	COUNTERTOP	FHC	FIRE HOSE CABINET	LCC	LEAD COATED COPPER	R	RISER			x	INDICATES "TIMES" OR "BY"
CU	CUBIC, COPPER	FIN	FINISH	LDP	LAMINATED DRYWALL PARTITION	R=	RADIUS			YD	YARD
CUH	CABINET UNIT HEATER	FL	FLOOR, FLOORING	LGFM	LIGHT GAUGE METAL FRAMING	RAD ENCL	RADIATOR ENCLOSURE			Z	Z STUD (STRUCTURAL SHAPE)
		FLASH	FLASHING								
"	DITTO (REPEAT)	FLUOR	FLUORESCENT	LGTH	LENGTH						
DA	DOUBLE ACTING	FO	FRAMED OPENING	LWT	LIGHT WEIGHT						
DAFS	DIRECT APPLIED FINISH SYSTEM	FOS	FACE OF STEEL / STUD	LOW	LIMIT OF WORK						
DEMO	DEMOLISH, DEMOLITION	FP	FIREPROOF(ING)	LP	LOW POINT						
		FR	FIRE RESISTANT								

FILED SUB-BID LEGEND:

###	FILED SUB-BID CATEGORY - SPECIFICATION REFERENCE
[221]	PLUMBING - REFER TO SPEC SECTION 22 0001
[231]	HVAC - REFER TO SPEC SECTION 23 0001
[261]	ELECTRICAL - REFER TO SPEC SECTION 26 0001
NOTE: ALL OTHER WORK NOT INCLUDED IN FILED SUB BIDDERS SCOPE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR	

MASTER KEYNOTE LEGEND

NUMBER	DESCRIPTION
02.04.04	EXISTING CMU WALL TO REMAIN
02.04.11	REMOVE PORTION OF EXISTING CMU WALL
02.04.12	REMOVE PORTION OF EXISTING CMU WALL TO ACCOMMODATE NEW OPENING, SEE DOOR SCHEDULE
02.05.04	EXISTING K BAR JOIST TO REMAIN
02.05.06	EXISTING METAL DECK ON BAR JOISTS
02.06.02	EXISTING WOOD PANEL WALL TO REMAIN
02.06.12	REMOVE EXISTING WOOD PANEL WALL
02.06.13	REMOVE EXISTING WOOD PANEL WALL TO THE EXTENT SHOWN
02.08.01	EXISTING DOOR AND FRAME TO REMAIN
02.08.05	EXISTING HOLLOW METAL FRAME TO REMAIN
02.08.08	EXISTING GLAZING TO REMAIN
02.08.10	REMOVE EXISTING DOOR, FRAME, AND THRESHOLD IN ITS ENTIRETY.
02.08.14	REMOVE EXISTING DOOR, FRAME, TRIM, AND HARDWARE IN ITS ENTIRETY. PREP OPENING TO RECEIVE WALL INFILL
02.08.17	REMOVE DOOR LEAVES - SEE DOOR SCHEDULE FOR NEW DOOR TYPE
02.09.04	EXISTING DROP CEILING TO REMAIN
02.09.05	EXISTING FLOOR TO REMAIN
02.09.08	EXISTING PREFINISHED VINYL-COVERED GYPSUM TO REMAIN
02.09.09	REMOVE EXISTING GYPSUM
02.09.11	REMOVE VCT FLOORING TO EXTENT SHOWN
02.09.14	REMOVE TILE FLOORING TO EXTENT SHOWN
02.09.15	REMOVE EXISTING CERAMIC TILE FLOORING
02.09.29	REMOVE EXISTING TILE WAINSCOT IN ITS ENTIRETY
02.09.33	REMOVE EXISTING DROP CEILING SYSTEM
02.10.10	REMOVE EXISTING TOILET PARTITION
02.12.01	EXISTING BUILT-IN CABINET AND COUNTER TO REMAIN
02.12.02	EXISTING CABINET TO REMAIN
02.12.12	REMOVE EXISTING SHELIVING
02.22.05	EXISTING PIPING TO REMAIN
02.22.11	REMOVE EXISTING TOILET
02.22.12	REMOVE EXISTING URINAL
02.22.13	REMOVE EXISTING LAVATORY
02.22.17	REMOVE EXISTING SHOWER IN ITS ENTIRETY
02.22.20	REMOVE EXISTING PIPING
02.22.21	REMOVE EXISTING DRAIN LEADER
02.23.31	EXISTING HEATING DEVICE TO BE REMOVED AND RELOCATED, REFER TO MECHANICAL BY [231]
02.26.05	EXISTING LIGHT FIXTURE TO REMAIN
02.26.06	REMOVE EXISTING WALL MOUNTED LIGHT
02.26.10	REMOVE CEILING MOUNTED LIGHT FIXTURES

MASTER KEYNOTE LEGEND

NUMBER	DESCRIPTION
03.30.21	CONCRETE SLAB-ON-GRADE, REFER MECHANICAL BY [231] FOR REQ'D DIMENSIONS OF SLAB PER EQUIPMENT
04.20.04	MASONRY INFILL, MATCH EXISTING, TOOTH INTO EXISTING MASONRY WALLS ON BOTH SIDES, TYP
05.50.14	L3x3x1/4 LLV
06.10.05	PLYWOOD SHEATHING
06.10.21	WOOD PANEL WALL INFILL, MATCH EXISTING, TYP.
06.41.01	PULL
06.83.01	FIBERGLASS REINFORCED PANEL
08.11.04	HOLLOW METAL FRAME
08.14.01	WOOD DOOR, SEE DOOR SCHEDULE
09.21.01	GYPSUM WALLBOARD (GB)
09.21.14	SOUND ATTENUATION BLANKET
09.21.16	DOUBLE METAL STUD AT HEAD, TYP
09.30.04	QUARRY TILE COVE BASE
09.51.01	ACOUSTICAL PANEL CEILING
09.65.01	VINYL COVE BASE, REFER TO FINISH PLANS
09.65.07	VCT FLOORING, REFER TO FINISH PLANS
09.67.01	POURED EPOXY FLOORING
09.90.01	PAINT FINISH REFER TO FINISH PLANS
09.90.09	INTERIOR CAULKING, BOTH SIDES.
10.21.01	TOILET PARTITIONS, REFER TO SPECS.
10.21.02	URINAL PARTITION, REFER TO SPECS.
10.28.11	ADULT-SIZED CHANGING STATION
10.28.13	SHOWER SEAT
11.31.01	REFRIGERATOR, OWNER SUPPLIED & OWNER INSTALLED
11.31.02	ELECTRIC RANGE, OWNER SUPPLIED & OWNER INSTALLED
11.31.03	WASHER & DRYER, OWNER SUPPLIED & OWNER INSTALLED
11.31.04	RANGE HOOD, OWNER SUPPLIED & GC INSTALLED
12.30.01	BASE 15" CASEWORK
12.30.02	BASE 18" CASEWORK
12.30.03	BASE 36" SINK CASEWORK
12.30.04	BASE 30" ADA SINK CASEWORK
12.30.05	BASE 18" ADA CASEWORK
12.30.06	CASEWORK DOOR
12.30.07	CASEWORK SHELIVING
12.30.08	ADJUSTABLE SHELF SUPPORT CLIPS
12.30.09	WOOD FRAMING
12.30.10	CASEWORK DRAWER
12.36.01	LAMINATE COUNTERTOP
12.36.02	LAMINATE BACKSPASH
22.00.01	WALL MOUNTED TOILET, REFER TO PLUMBING BY [221]
22.00.03	WALL MOUNTED LAVATORY, REFER TO PLUMBING BY [221]
22.00.07	FLOOR DRAIN, REFER TO PLUMBING BY [221]
22.00.17	WALL MOUNTED URINAL, REFER TO PLUMBING BY [221]
22.00.18	DROP-IN SINK, REFER TO PLUMBING BY [221]
22.00.19	SINGLE HANDLED FAUCET, REFER TO PLUMBING BY [221]
23.00.01	MECHANICAL UNIT, REFER TO MECHANICAL BY [231]
23.00.10	DRYER EXHAUST BELOW, REFER TO MECHANICAL BY [231]
23.00.11	RANGE EXHAUST ABOVE, REFER TO MECHANICAL BY [231]
26.00.01	LIGHT FIXTURE, REFER TO ELECTRICAL BY [261]

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PROJECT NO: 2430.05

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SCALE: AS NOTED

DRAWN BY: JW

CHECKED BY: TP / MB

SYMBOLS,
ABBREVIATIONS &
GENERAL NOTES

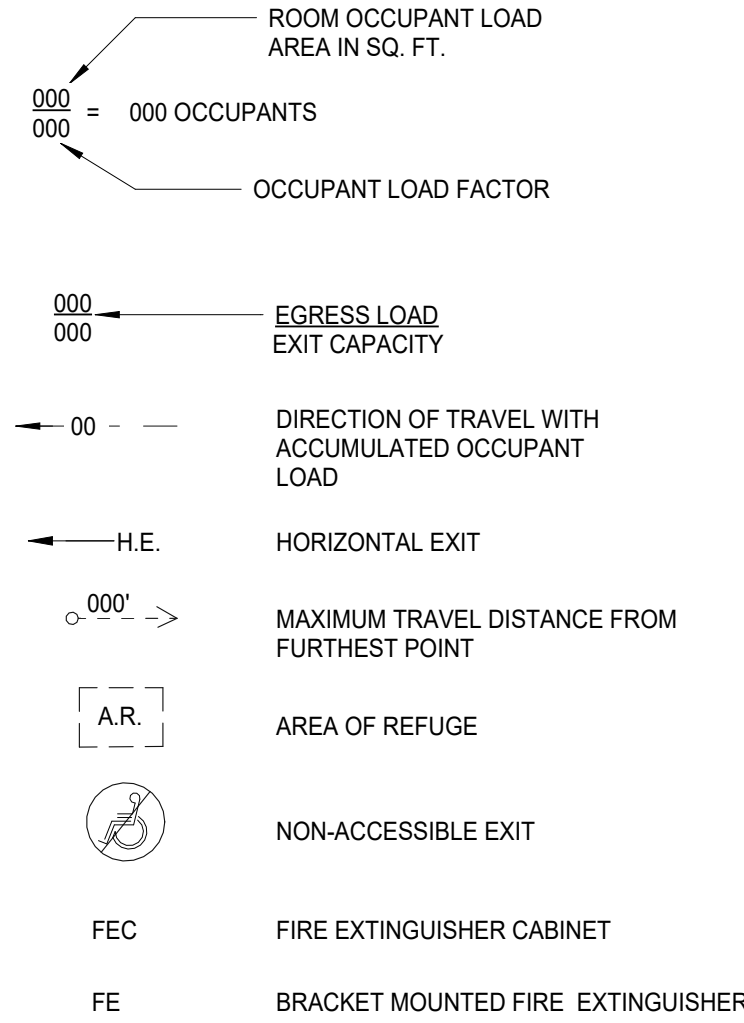
G-002

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FIRE SAFETY LEGEND

REFER TO FIRE SAFETY PLANS, FLOOR PLANS AND DRAWING G-020 (EDIT PER PROJECT) PARTITION TYPES FOR FIRE-RESISTANCE RATED PARTITION LOCATIONS AND DETAILS.



BUILDING CODE SUMMARY

- REFERENCED CODES
- THE BUILDING SHALL COMPLY AND/OR CONFORM TO THE FOLLOWING CONSTRUCTION CODES, SUPPLEMENTS, STANDARDS GUIDELINES, AND ALL STANDARDS REFERENCED THEREIN:
- 790 CMR MASSACHUSETTS STATE BUILDING CODE, 10TH EDITION
 - 2021 INTERNATIONAL BUILDING CODE (IBC) WITH AMENDMENTS
 - 2021 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
 - 2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) WITH AMENDMENTS
 - 2021 INTERNATIONAL MECHANICAL CODE (IMC)
 - 248 CMR 10.00 MASSACHUSETTS FUEL GAS AND PLUMBING CODE
 - 521 CMR MASSACHUSETTS ARCHITECTURAL ACCESS BOARD RULES AND REGULATIONS
 - 527 CMR 1.00 MASSACHUSETTS COMPREHENSIVE FIRE SAFETY CODE (2021 NFPA 1 FIRE CODE)
 - 527 CMR 12.00 MASSACHUSETTS ELECTRICAL CODE (2023 NATIONAL ELECTRIC CODE NFPA-70 WITH AMENDMENTS)
 - 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
 - 2021 MASSACHUSETTS OPT-IN STRETCH CODE (IECC) WITH AMENDMENTS: 225 CMR CHAPTER 23
 - 2021 MASSACHUSETTS OPT-IN SPECIALIZED CODE (IECC) WITH AMENDMENTS: 225 CMR CHAPTER 23 + APPENDIX CC

PROJECT SUMMARY

THE PROJECT CONSISTS OF ACCESSIBILITY RENOVATIONS TO THE DR. JAMES A CARADONIO NEW CITIZEN'S CENTER.

BUILDING USE AND OCCUPANCY USE CLASSIFICATION:

EXISTING:	PROPOSED:
GROUP E	GROUP E

- IEBC COMPLIANCE METHOD
- NO CHANGE OF OCCUPANCY
 - REQUIREMENTS FOR LEVEL 1 ALTERATIONS SHALL APPLY IN THE WORK AREA.
 - EXISTING FIRE ALARM SYSTEM TO BE MODIFIED AND RECONFIGURED BASED ON REQUIREMENTS FOR EXISTING OCCUPANCY.

CONSTRUCTION TYPE: TYPE IIB

AREA BY USE (SQUARE FEET):		
E:	EDUCATIONAL	16,216 SF
TOTAL GROSS AREA:		16,216 SF

FIRE RESISTANCE RATED CONSTRUCTION	
STRUCTURAL FRAME, INCLUDING COLUMNS, GIRDERS, TRUSSES	0 HR
STRUCTURAL FRAME SUPPORTING ROOF ONLY:	0 HR
BEARING WALLS, EXTERIOR:	0 HR
BEARING WALLS, EXTERIOR SUPPORTING ROOF ONLY:	0 HR
BEARING WALLS, INTERIOR:	0 HR
BEARING WALLS, INTERIOR SUPPORTING ROOF ONLY:	0 HR
NON-BEARING WALLS AND PARTITIONS, EXTERIOR:	0 HR
NON-BEARING WALLS AND PARTITIONS, INTERIOR:	0 HR
FLOOR CONSTRUCTION, INCLUDING SUPPORTING BEAMS & JOISTS:	0 HR
ROOF CONSTRUCTION, INCLUDING SUPPORTING BEAMS & JOISTS:	0 HR
CORRIDORS:	0 HR
EXIT ENCLOSURES:	0 HR
CONTROL AREAS:	0 HR

FIRE PROTECTION SYSTEMS INCLUDE:

AUTOMATIC FIRE ALARM SYSTEM WITH AUTOMATIC FIRE DETECTION.

PORTABLE FIRE EXTINGUISHERS PER NFPA 70.

OCCUPANT LOAD FACTORS BY AREA TYPE:	
ACCESSORY STORAGE AREAS/MECH. RM:	300 GROSS SF/OCCUPANT
ASSEMBLY CONCENTRATED:	7 NET
ASSEMBLY STANDING SPACE:	5 NET
ASSEMBLY UNCONCENTRATED:	15 NET
EDUCATIONAL CLASSROOM AREAS:	20 NET
EDUCATIONAL SHOPS/VOCATIONAL RM.:	50 NET

EGRESS OCCUPANT LOAD/FLOOR:	
GROUND FLOOR	3,042
FIRST FLOOR	16,216

EXIT CAPACITY/FLOOR:	MIN. REQUIRED:	PROVIDED:
GROUND FLOOR	2	2
FIRST FLOOR	2	5

MAXIMUM ALLOWABLE COMMON PATH OF TRAVEL W/O SPRINKLER SYSTEM: (ONE EXIT OR EXIT ACCESS DOORWAY)

OCCUPANCY:	MAX. OCC. LOAD:	TRAVEL DISTANCE:	PROVIDED:
A/E:	49	75	26'-9"

MAXIMUM ALLOWABLE EXIT ACCESS TRAVEL DISTANCE W/O SPRINKLER SYSTEM		
OCCUPANCY:	TRAVEL DISTANCE:	PROVIDED:
A/E:	250	84'-6"

MAXIMUM DEAD-END CORRIDORS W/O SPRINKLER SYSTEM:

OCCUPANCY:	MAX. OCC. LOAD:
A:	20
E:	20

EGRESS WIDTH (SPRINKLERED): 0.2 INCHES/OCCUPANT

OTHER EGRESS COMPONENTS: 0.15 INCHES/OCCUPANT

MINIMUM INTERIOR FINISH CLASS (NON-SPRINKLERED):

OCCUPANCY	EXITS	CORRIDORS	ROOMS
A-1/A-2:	A	A	B
E:	A	B	C

ENERGY CONSERVATION:

CLIMATE ZONE: 5A

PRESCRIPTIVE BUILDING ENVELOPE REQUIREMENTS - IECC TABLE C402.1.4

CLIMATE ZONE 5A, NON RESIDENTIAL, NON MARINE:

OPAQUE COMPONENT	U-FACTOR (MAX.)
ROOFS, INSULATION ENTIRELY ABOVE DECK:	0.032
ROOFS, METAL BUILDING:	0.035
ROOFS, ATTIC & OTHER:	0.021
WALLS, MASS:	0.090
WALLS, METAL BUILDING:	0.050
WALLS, METAL FRAMED:	0.055
WALLS, WOOD FRAMED & OTHER:	0.051
WALLS, BELOW GRADE:	C-0.119
FLOORS, MASS:	0.057
FLOORS, JOIST/FRAMING	0.033
SLABS, UNHEATED:	F-0.52
SLABS, HEATED:	F-0.62
DOORS, OPAQUE, NON-SWING:	0.31
DOORS, OPAQUE, SWINGING:	0.37
DOORS, OPAQUE GARAGE:	0.31

BUILDING ENVELOPE AND FENESTRATION MAX REQUIREMENTS - IECC 2021 TABLE C402.4:

FENESTRATION TYPE	U-FACTOR	SOLAR HEAT GAIN COEFFICIENT (SHGC)			
		PF < 0.2	PF = 0.2-0.5	PF >= 0.5	
FIXED FENESTRATION	0.38	0.38	0.48	0.61	
OPERABLE FENESTRATION	0.45	0.33	0.40	0.53	
ENTRANCE DOORS	0.63	0.33	0.40	0.53	
SKYLIGHTS	0.50	0.40	0.40	0.40	

PLUMBING FIXTURES PER OCCUPANT*:

CLASSIFICATION:		EDUCATIONAL/ KINDERGARTEN THROUGH SECONDARY							
OCCUPANTS:		70 STUDENTS							
TOILETS				URINALS		LAVATORIES			
FEMALE		MALE		MALE		FEMALE		MALE	
1-25 UP TO 100. OVER 100 ADD 1 FOR EVERY 50.				UP TO 50%		1 PER 25			
REQ.	PROVIDED	REQ.	PROVIDED	PROVIDED	REQ.	PROVIDED	REQ.	PROVIDED	
3	6	3	4	2	3	4	3	4	
DRINKING WATER STATIONS:				ONE FOR EACH SET OF TOILET ROOMS					
OTHER FIXTURES:				ONE MOP SINK PER FLOOR					

CLASSIFICATION:		EDUCATIONAL/ STAFF							
OCCUPANTS:		12 STAFF							
		TOILETS		URINALS		LAVATORIES			
		FEMALE		MALE		FEMALE		MALE	
		1 PER 20		1 PER 25		UP TO 33%		1 PER 20	
REQ.	PROVIDED	REQ.	PROVIDED	PROVIDED	REQ.	PROVIDED	REQ.	PROVIDED	
1	1	1	1	1	1	1	1	1	1
OTHER FIXTURES:		ONE MOP SINK PER FLOOR							

PRESCRIPTIVE BUILDING ENVELOPE REQUIREMENTS - IECC TABLE C402.1.4

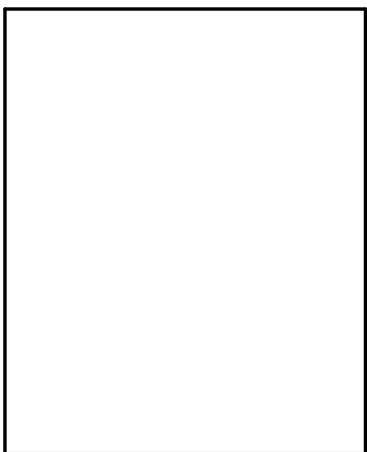
CLIMATE ZONE 5A, NON RESIDENTIAL, NON MARINE:

OPAQUE COMPONENT	U-FACTOR (MAX.)
ROOFS, INSULATION ENTIRELY ABOVE DECK:	0.032
ROOFS, METAL BUILDING:	0.035
ROOFS, ATTIC & OTHER:	0.021
WALLS, MASS:	0.090
WALLS, METAL BUILDING:	0.050
WALLS, METAL FRAMED:	0.055
WALLS, WOOD FRAMED & OTHER:	0.051
WALLS, BELOW GRADE:	C-0.119
FLOORS, MASS:	0.057
FLOORS, JOIST/FRAMING	0.033
SLABS, UNHEATED:	F-0.52
SLABS, HEATED:	F-0.62
DOORS, OPAQUE, NON-SWING:	0.31
DOORS, OPAQUE, SWINGING:	0.37
DOORS, OPAQUE GARAGE:	0.31

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ADA RENOVATIONS

NEW CITIZEN'S CENTER

1407A MAIN STREET
WORCESTER, MA 01603

REVISIONS		
Δ	MM-DD-YYYY	DESCRIPTION

PROJECT NO: 2430.05

DATE: 08/19/2026

SCALE: AS NOTED

DRAWN BY: Author

CHECKED BY: Checker

BUILDING CODE SUMMARY, FIRE SAFETY PLAN

G-010

This Border is intended for a 22" x 34" sheet. If printed sheet size differs, refer to graphic bar scales only.

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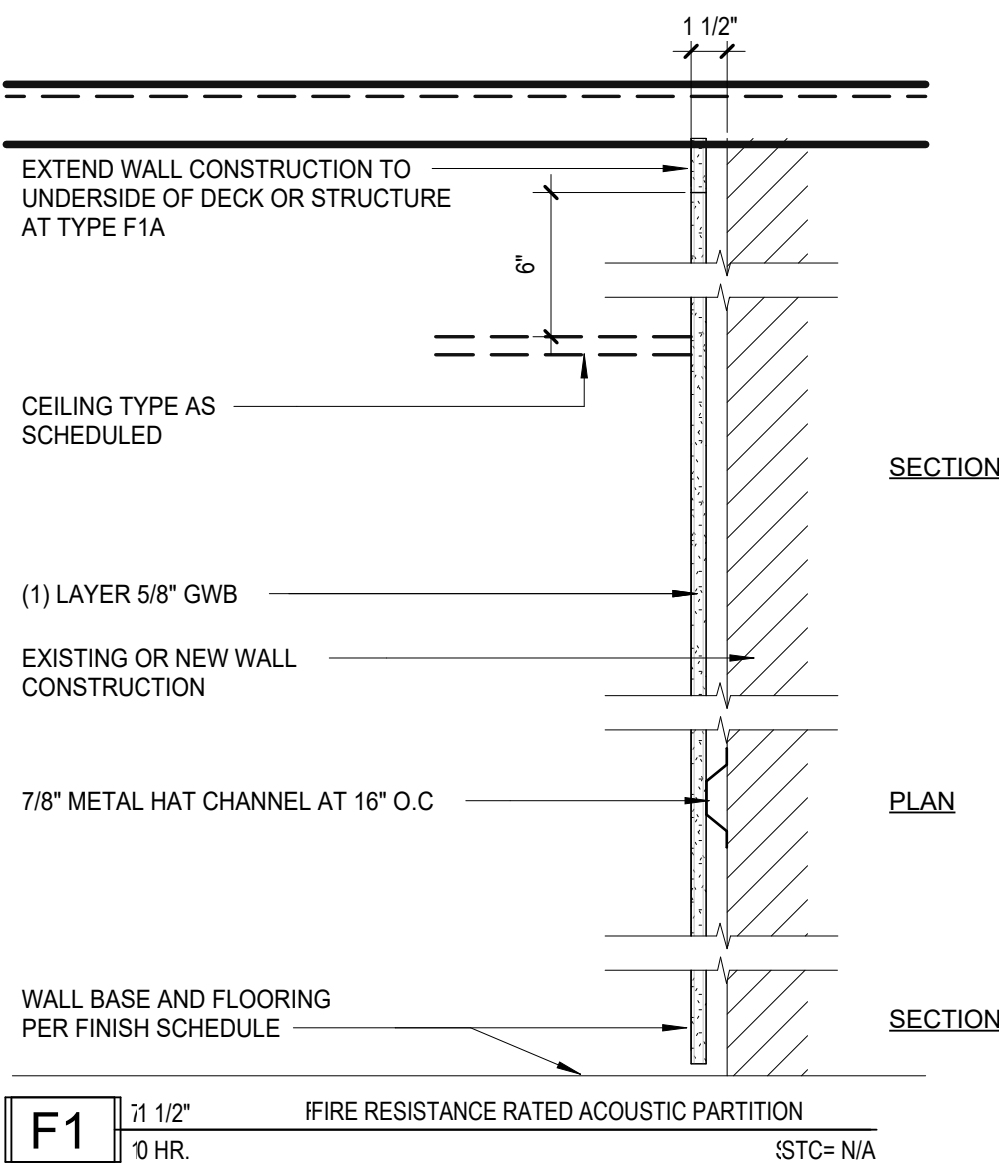
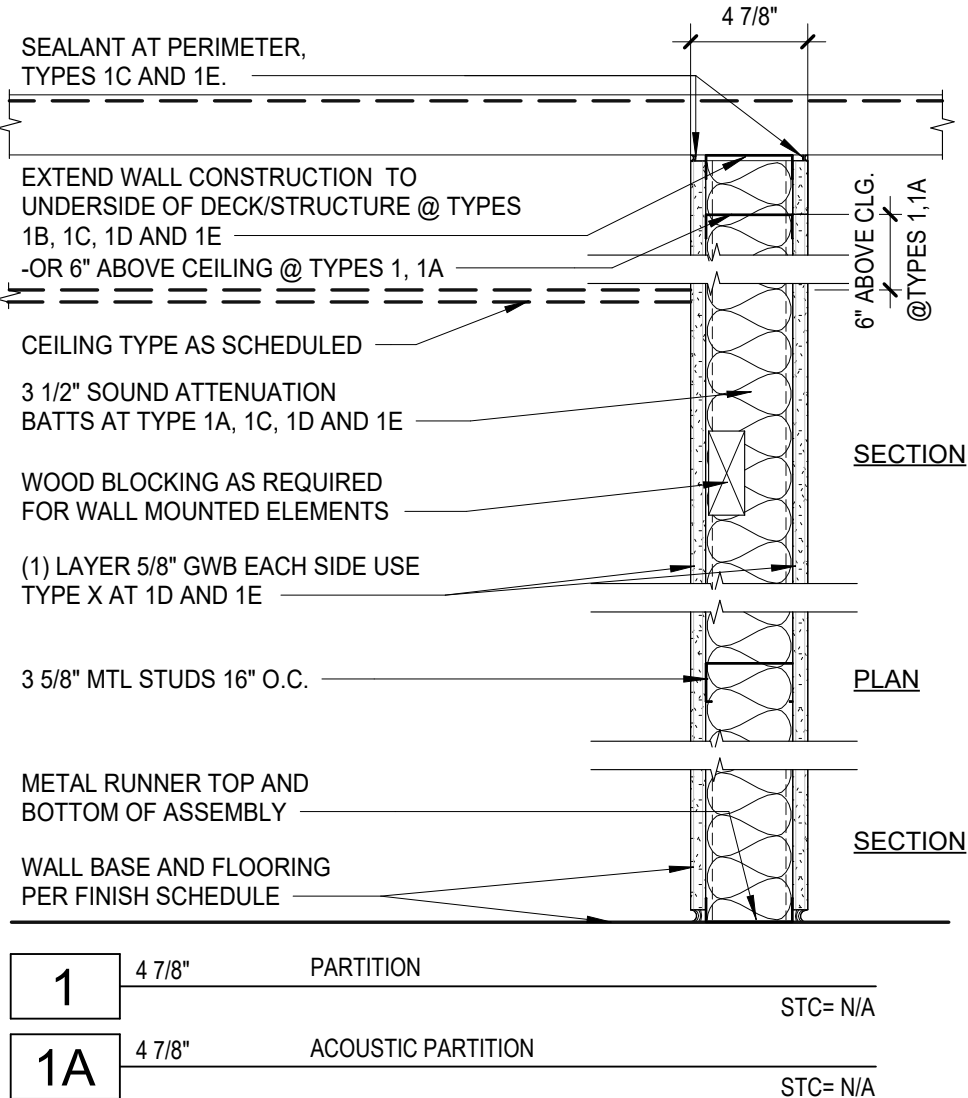
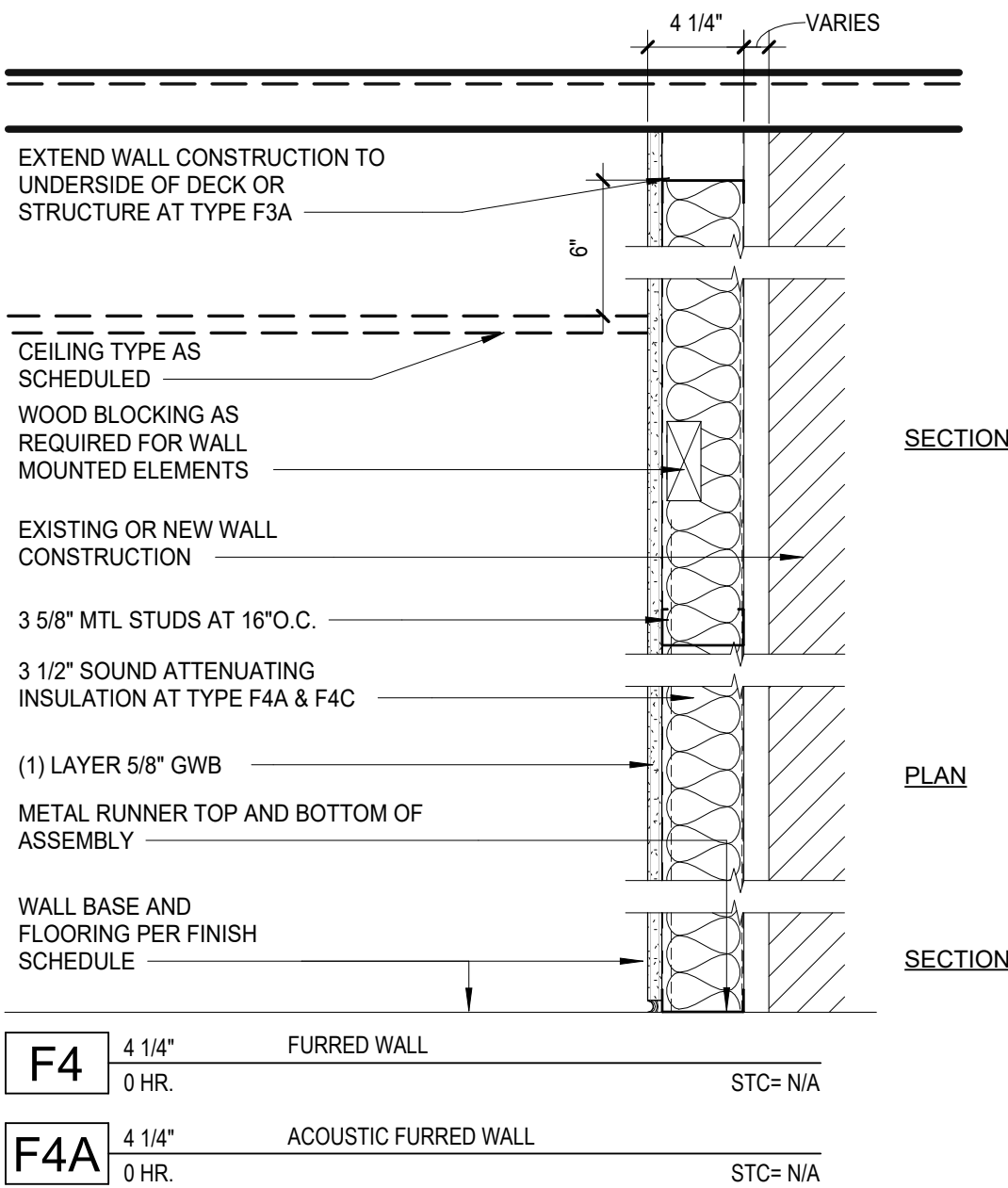
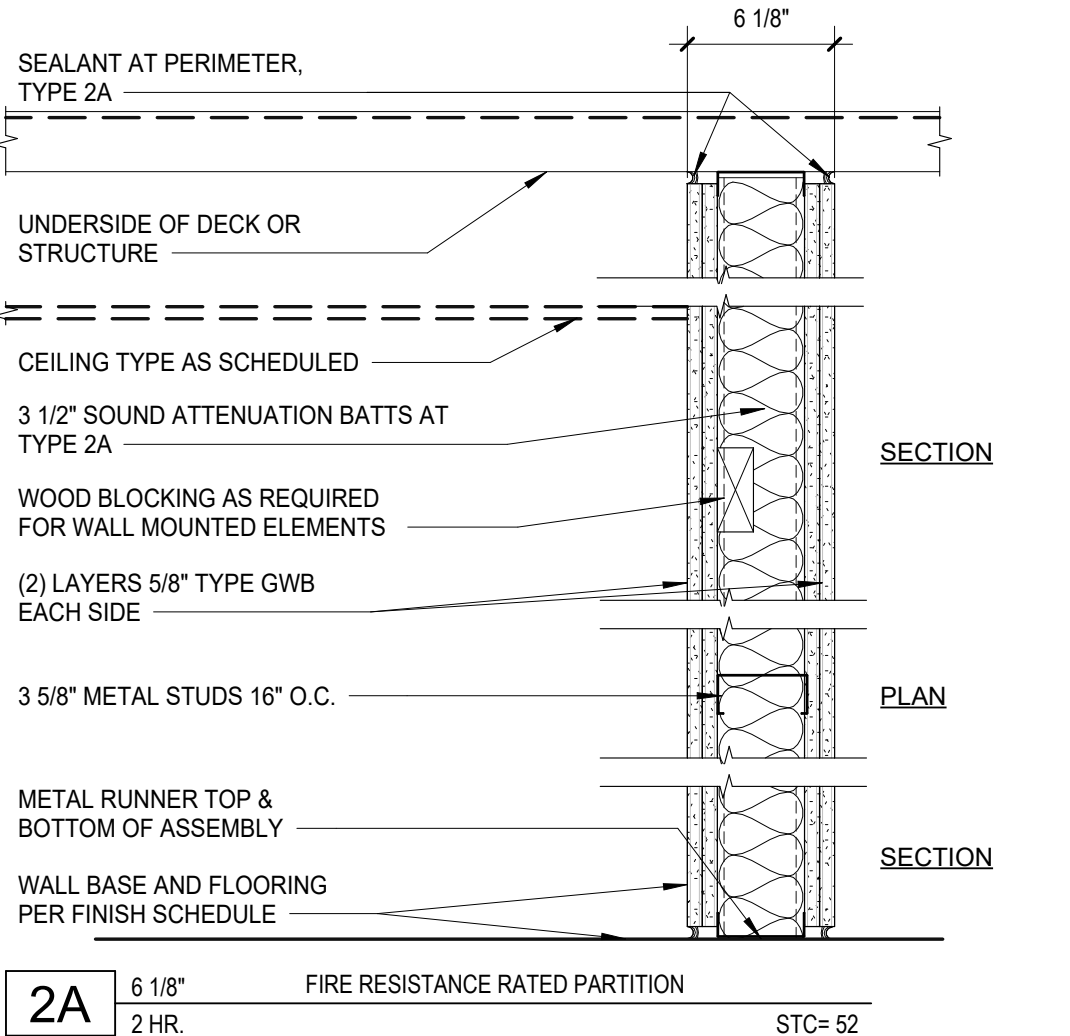
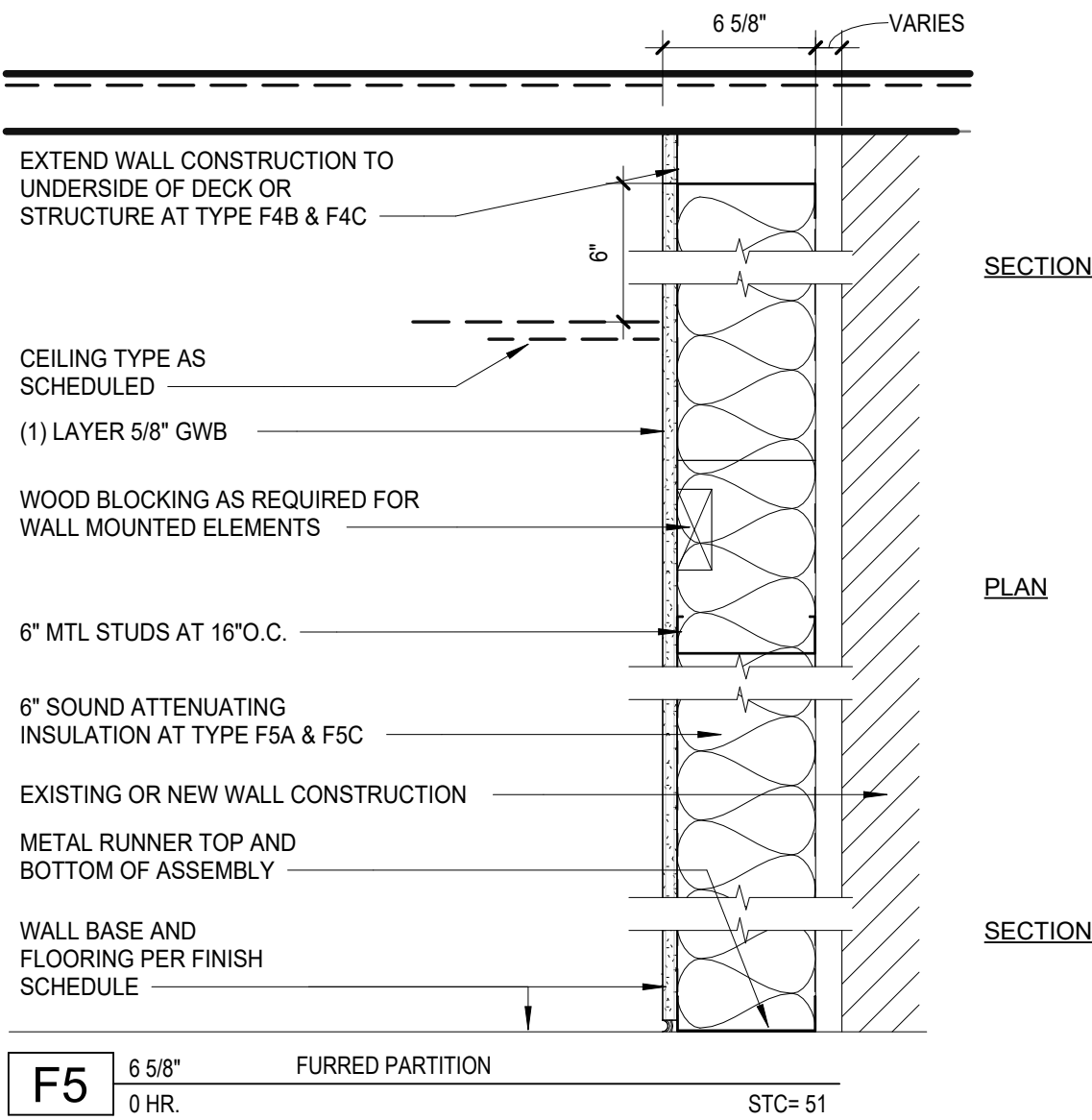
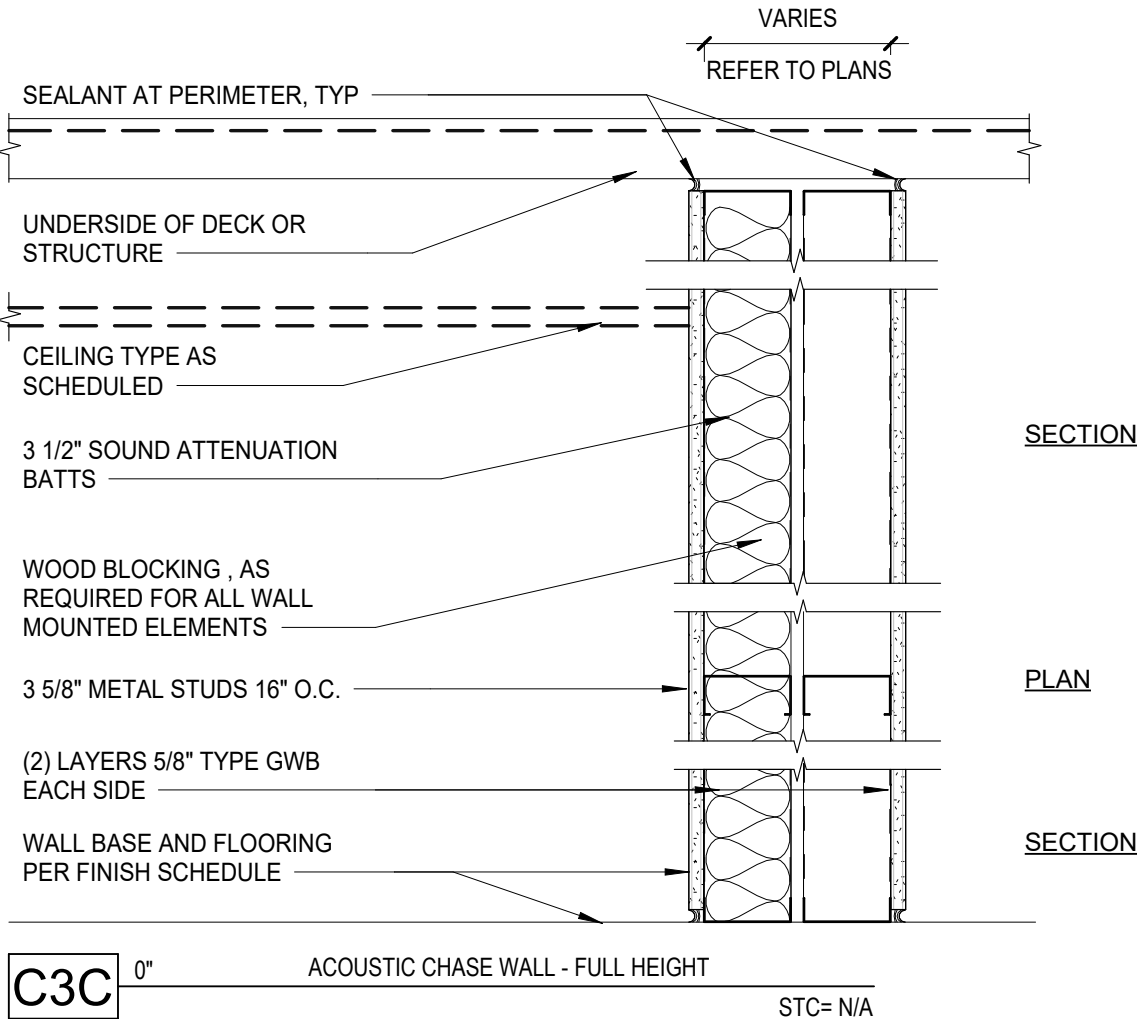
PARTITION TYPES

SCALE: 1 1/2" = 1'-0"

0

1'

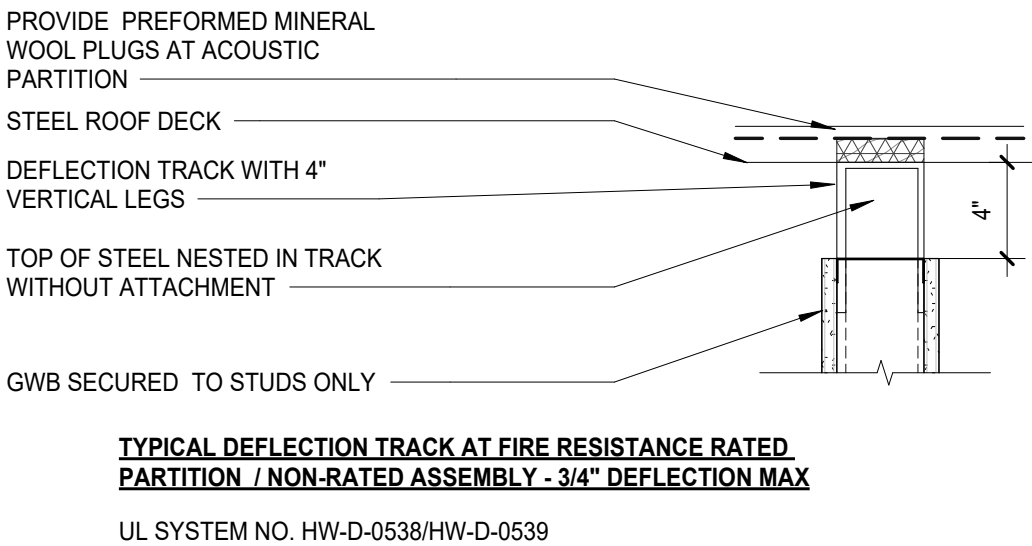
2'



GENERAL NOTES - PARTITIONS

- INTERIOR METAL FRAMING CONTRACTOR TO SELECT METAL STUD GAGE FOR STUD DEPTH INDICATED BY PARTITION TYPE AS REQUIRED FOR SPAN WITH 5 PSF UNIFORM LOAD AND MAXIMUM 1/240 DEFLECTION. SUBMIT MANUFACTURER'S DATA FOR REVIEW AND APPROVAL.
- PROVIDE DEFLECTION TRACK AT HEAD OF ALL FULL HEIGHT PARTITIONS. REFER TO TYPICAL DETAILS ON THIS SHEET.
- PROVIDE BRACING AS REQUIRED BY STUD MANUFACTURER FOR NON- COMPOSITE ASSEMBLIES AT PARTITIONS WHERE GYPSUM WALL BOARD DOES NOT EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE.
- PROVIDE 5/8 " MOISTURE RESISTANT GYPSUM WALL BOARD AT ALL BATHROOM WALLS AND OTHER WET AREAS.
- PROVIDE DOUBLE 20 GAGE METAL STUD FRAMING AT ALL DOOR JAMB LOCATIONS.
- PROVIDE ACOUSTIC SEALANT AT PERIMETER OF ALL FULL HEIGHT ACOUSTIC PARTITIONS.
- REFER TO TYPICAL DETAILS THIS SHEET FOR FIRE RESISTANT JOINT REQUIREMENTS AT HEAD OF WALL FOR FIRE RESISTANT RATED PARTITIONS.
- PROVIDE THROUGH PENETRATION FIRESTOP SYSTEMS AS REQUIRED FOR WALL CONSTRUCTION AND TYPE OF PENETRATION. REFER TO TYPICAL DETAILS ON FIRESTOP SYSTEMS SHEET.
- PROVIDE BLOCKING IN WALLS AS REQUIRED FOR THE INSTALLATION OF ALL WALL MOUNTED EQUIPMENT AND CASEWORK.

DEFLECTION HEAD DETAILS



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ADA RENOVATIONS

NEW CITIZEN'S CENTER

1407A MAIN STREET
WORCESTER, MA 01603

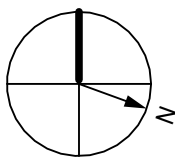
REVISIONS		
Δ	MM-DD-YYYY	DESCRIPTION

PROJECT NO: 2430.05
DATE: 08/19/2026
SCALE: AS NOTED
DRAWN BY: Author
CHECKED BY: Checker

PARTITION TYPES

G-020

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3. EXISTING TO REMAIN: PROTECT CONSTRUCTION INDICATED TO REMAIN AGAINST DAMAGE AND SOILING DURING SELECTIVE DEMOLITION.
2. EXCEPT FOR ITEMS OR MATERIALS INDICATED TO BE REUSED, SALVAGED, REINSTALLED, OR OTHERWISE INDICATED TO REMAIN THE OWNER'S PROPERTY, DEMOLISHED MATERIALS SHALL BECOME THE CONTRACTOR'S PROPERTY AND SHALL BE REMOVED LEGALLY FROM THE SITE WITH FURTHER DISPOSITION AT THE CONTRACTOR'S OPTION.
3. IF UNANTICIPATED EXISTING BUILDING ELEMENTS THAT CONFLICT WITH THE INTENDED FUNCTION OR DESIGN ARE ENCOUNTERED, INVESTIGATE AND MEASURE THE NATURE AND EXTENT OF THE CONFLICT. PROMPTLY SUBMIT A WRITTEN REPORT TO THE ARCHITECT.
4. MAINTAIN EXISTING UTILITIES THAT ARE TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS.
5. UTILITY REQUIREMENTS: COORDINATE WITH MECHANICAL AND ELECTRICAL WORK FOR SHUTTING OFF, DISCONNECTING, REMOVING, SEALING OR CAPPING UTILITY SERVICES. DO NOT START SELECTIVE DEMOLITION WORK UNTIL UTILITY DISCONNECTION AND SEALING HAVE BEEN COMPLETED AND VERIFIED IN WRITING.
6. COORDINATE WITH ELECTRICAL SUB-CONTRACTOR WITH RESPECT TO ELECTRICAL DEMOLITION AND DE-ENERGIZING OF PARTICULAR PORTIONS OF THE BUILDING.
7. DRAIN, PURGE, OR OTHERWISE REMOVE, COLLECT AND DISPOSE OF ALL LIQUIDS (WITH THE EXCEPTION OF WASTE OIL AND RESIDUAL SLUDGE WHICH MAY BE PRESENT IN EXISTING MECHANICAL PIPING), AND REFUSE, BEFORE PROCEEDING WITH SELECTIVE DEMOLITION OPERATIONS.
8. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO EXISTING BUILDING COMPONENTS AND FACILITIES SET TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND SELECTIVE DEMOLITION AREAS.
9. ERECT TEMPORARY PROTECTION, SUCH AS WALKWAYS, FENCES, RAILINGS, CANOPIES, AND COVERED PASSAGEWAYS, WHEN REQUIRED.
10. ALL DEMOLITION ACTIVITIES WILL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS, INCLUDING BUT NOT LIMITED TO MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION (MADEP) REGULATIONS FOR SOLID WASTE MANAGEMENT, HAZARDOUS WASTE MANAGEMENT, AND AIR QUALITY CONTROL, OSHA, AND MASS. STATE BUILDING CODE.
11. NEATLY SAW-CUT OPENINGS AND HOLES PLUMB, SQUARE, AND TRUE TO DIMENSIONS REQUIRED. USE CUTTING METHODS LEAST LIKELY TO DAMAGE CONSTRUCTION-TO-REMAIN OR ADJOINING CONSTRUCTION. TO MINIMIZE DISTURBANCE OF ADJACENT SURFACES, USE HAND OR SMALL POWER TOOLS DESIGNED FOR SAWING OR GRINDING, NOT HAMMERING AND CHOPPING. TEMPORARILY COVER OPENINGS TO REMAIN.
12. DO NOT USE CUTTING TORCHES UNTIL WORK AREA IS CLEARED OF FLAMMABLE MATERIALS. AT CONCEALED SPACES, SUCH AS DUCT AND PIPE INTERIORS, VERIFY CONDITION AND CONTENTS OF HIDDEN SPACE BEFORE STATING FLAME CUTTING OPERATIONS. MAINTAIN PORTABLE FIRE SUPPRESSION DEVICES DURING FLAME CUTTING OPERATIONS.
13. LOCATE SELECTIVE DEMOLITION EQUIPMENT THROUGHOUT THE STRUCTURE AND REMOVE DEBRIS AND MATERIALS SO AS NOT TO IMPOSE EXCESSIVE LOADS ON SUPPORTING WALLS, FLOORS, OR FRAMING.
14. SWEEP THE BUILDING BROOM CLEAN ON A DAILY BASIS AND AT THE COMPLETION OF SELECTIVE DEMOLITION OPERATION.

	EXISTING WALL CONSTRUCTION TO REMAIN		EXISTING CONSTRUCTION TO BE DEMOLISHED
	EXISTING DOOR TO REMAIN		EXISTING DOOR TO BE DEMOLISHED
	EXISTING WINDOW TO REMAIN		EXISTING WINDOW TO BE DEMOLISHED
	LIMIT OF WORK		

PROJECT NO: 2430.05
DATE: 08/19/2026
SCALE: AS NOTED
DRAWN BY: JG / AR
CHECKED BY: TP / MB

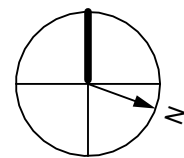
AD-100

ADA RENOVATIONS

NEW CITIZEN'S CENTER

**1407A MAIN STREET
WORCESTER, MA 01603**

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NUMBER	DESCRIPTION
--------	-------------

02.08.17	REMOVE DOOR LEAVES - SEE DOOR SCHEDULE FOR NEW DOOR TYPE
----------	--

1. EXISTING TO REMAIN: PROTECT CONSTRUCTION INDICATED TO REMAIN AGAINST DAMAGE AND SOILING DURING SELECTIVE DEMOLITION OPERATIONS.
2. EXCEPT FOR ITEMS OR MATERIALS INDICATED TO BE REUSED, SALVAGED, REINSTALLED, OR OTHERWISE INDICATED TO REMAIN THE OWNER'S PROPERTY, DEMOLISHED MATERIALS SHALL BECOME THE CONTRACTOR'S PROPERTY AND SHALL BE REMOVED LEGALLY FROM THE SITE WITH FURTHER DISPOSITION AT THE CONTRACTOR'S OPTION.
3. IF UNANTICIPATED EXISTING BUILDING ELEMENTS THAT CONFLICT WITH THE INTENDED FUNCTION OR DESIGN ARE ENCOUNTERED, INVESTIGATE AND MEASURE THE NATURE AND EXTENT OF THE CONFLICT. PROMPTLY SUBMIT A WRITTEN REPORT TO THE ARCHITECT.
4. MAINTAIN EXISTING UTILITIES THAT ARE TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS.
5. UTILITY REQUIREMENTS: COORDINATE WITH MECHANICAL AND ELECTRICAL WORK FOR SHUTTING OFF, DISCONNECTING, REMOVING, SEALING OR CAPPING UTILITY SERVICES. DO NOT START SELECTIVE DEMOLITION WORK UNTIL UTILITY DISCONNECTION AND SEALING HAVE BEEN COMPLETED AND VERIFIED IN WRITING.
6. COORDINATE WITH ELECTRICAL SUB-CONTRACTOR WITH RESPECT TO ELECTRICAL DEMOLITION AND DE-ENERGIZING OF PARTICULAR PORTIONS OF THE BUILDING.
7. DRAIN, PURGE, OR OTHERWISE REMOVE, COLLECT AND DISPOSE OF ALL LIQUIDS (WITH THE EXCEPTION OF WASTE OIL AND RESIDUAL SLUDGE WHICH MAY BE PRESENT IN EXISTING MECHANICAL PIPING), AND REFUSE, BEFORE PROCEEDING WITH SELECTIVE DEMOLITION OPERATIONS.
8. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO EXISTING BUILDING COMPONENTS AND FACILITIES SET TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND SELECTIVE DEMOLITION AREAS.
9. ERECT TEMPORARY PROTECTION, SUCH AS WALKWAYS, FENCES, RAILINGS, CANOPIES, AND COVERED PASSAGEWAYS, WHERE REQUIRED.
10. ALL DEMOLITION ACTIVITIES WILL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS, INCLUDING BUT NOT LIMITED TO MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION (MADEP) REGULATIONS FOR SOLID WASTE MANAGEMENT, HAZARDOUS WASTE MANAGEMENT, AND AIR QUALITY CONTROL, OSHA, AND MASS. STATE BUILDING CODE.
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	EXISTING WALL CONSTRUCTION TO REMAIN		EXISTING CONSTRUCTION TO BE DEMOLISHED
	EXISTING DOOR TO REMAIN		EXISTING DOOR TO BE DEMOLISHED
	EXISTING WINDOW TO REMAIN		EXISTING WINDOW TO BE DEMOLISHED
	LIMIT OF WORK		

[illegible]

PROJECT NO: 2430.05
DATE: 08/19/2026
SCALE: AS NOTED
DRAWN BY: JG / AR
CHECKED BY: TP / MB

**FIRST FLOOR PLAN
DEMOLITION**

AD-110

H&A
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ADA RENOVATIONS

NEW CITIZEN'S CENTER

1407A MAIN STREET
WORCESTER, MA 01603

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The diagram shows a rectangular domain. On the left side, there is a solid gray square. Inside this gray square, centered, is a smaller dashed square labeled with the number '1'. To the right of the gray square is a larger dashed square. A dashed line starts from the bottom-right corner of the gray square, extends horizontally to the right, then turns 90 degrees downward, and finally turns 90 degrees to the left to end at the bottom-left corner of the dashed square. In the bottom right corner of the entire domain, there is a north arrow pointing upwards.

AD-400

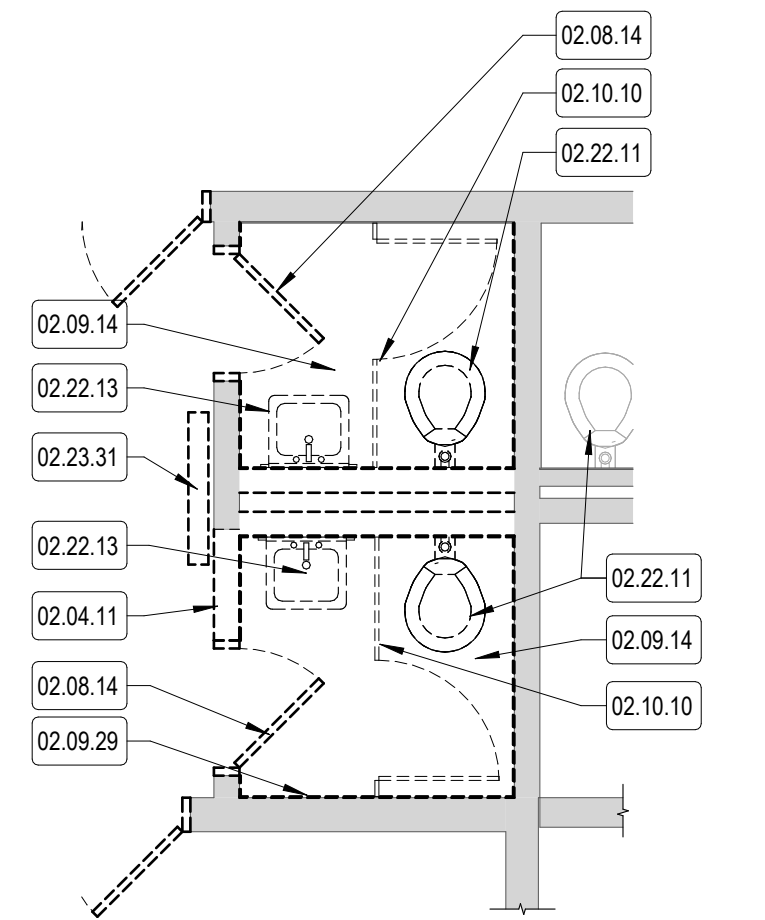
ADA RENOVATIONS

NEW CITIZEN'S CENTER

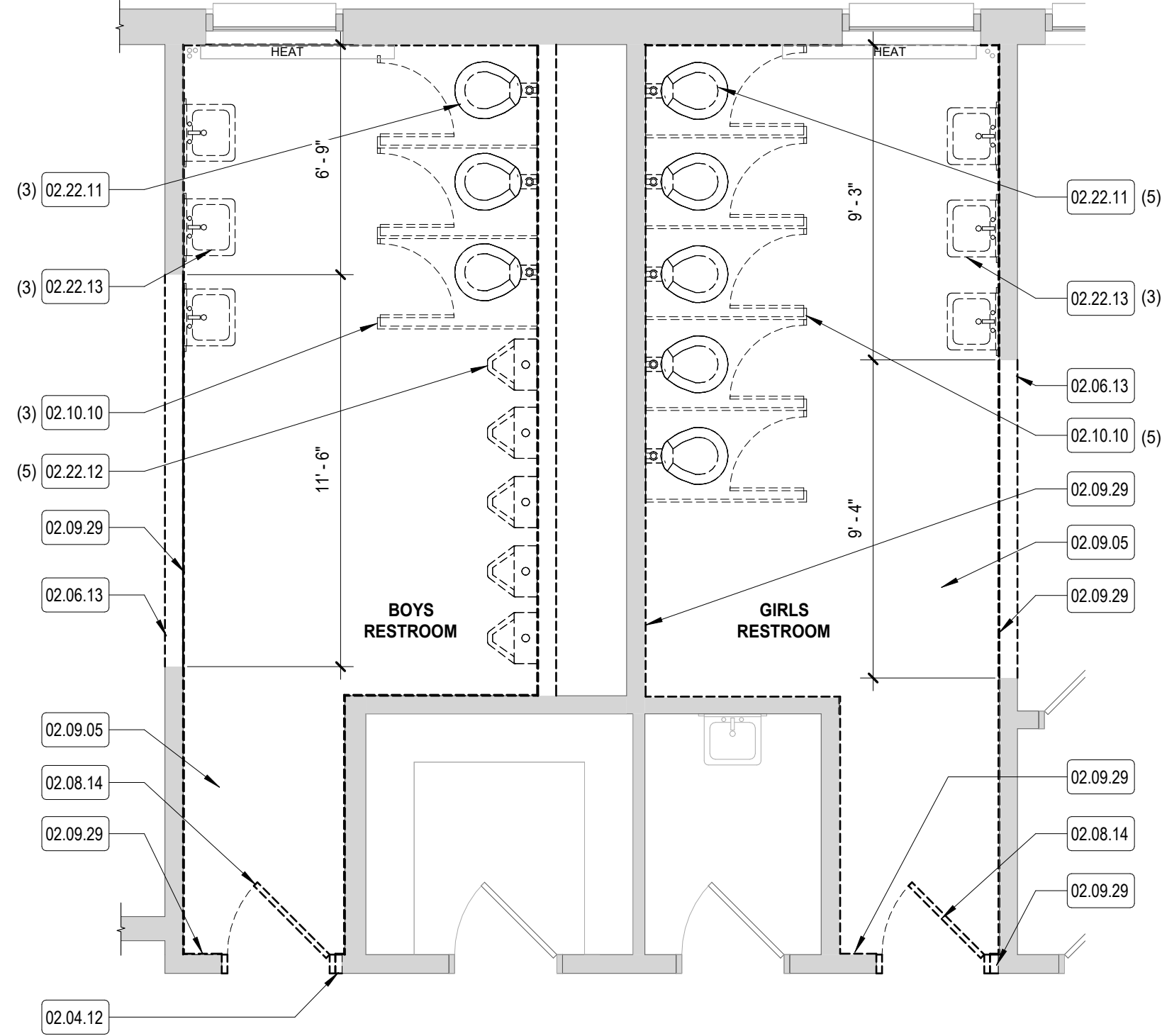
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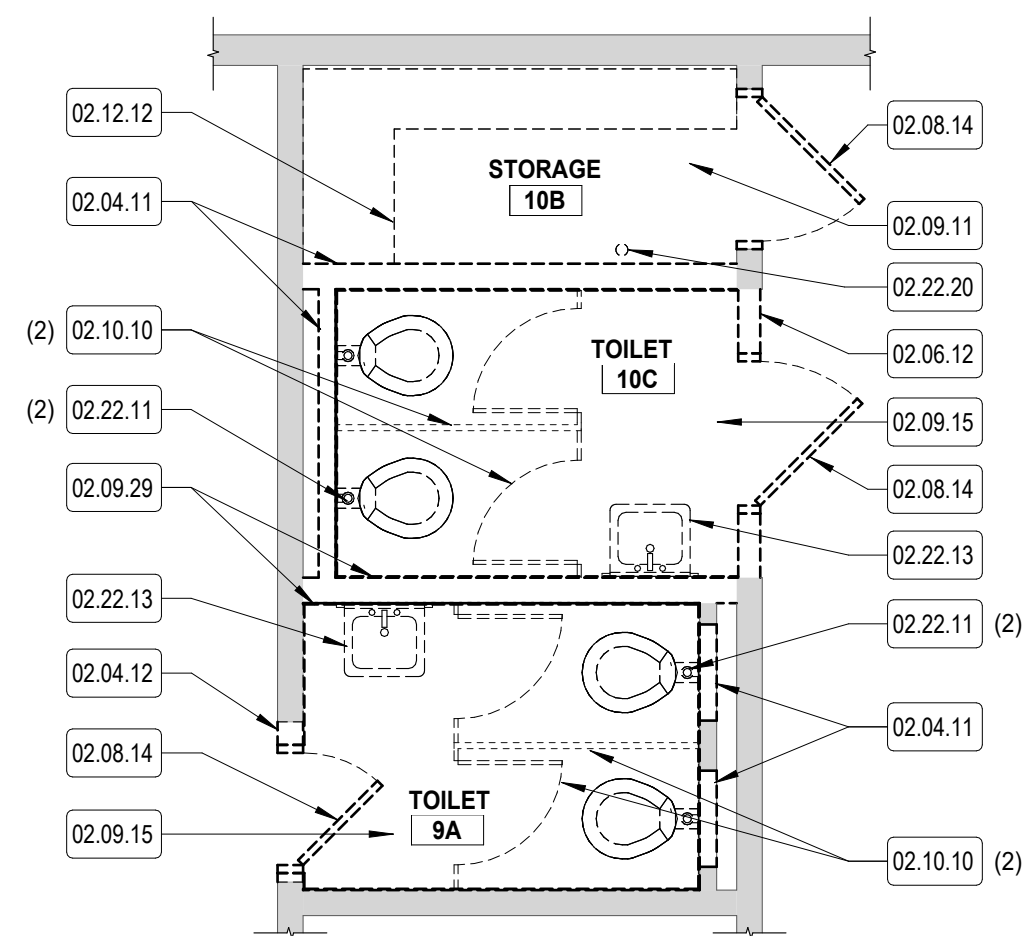
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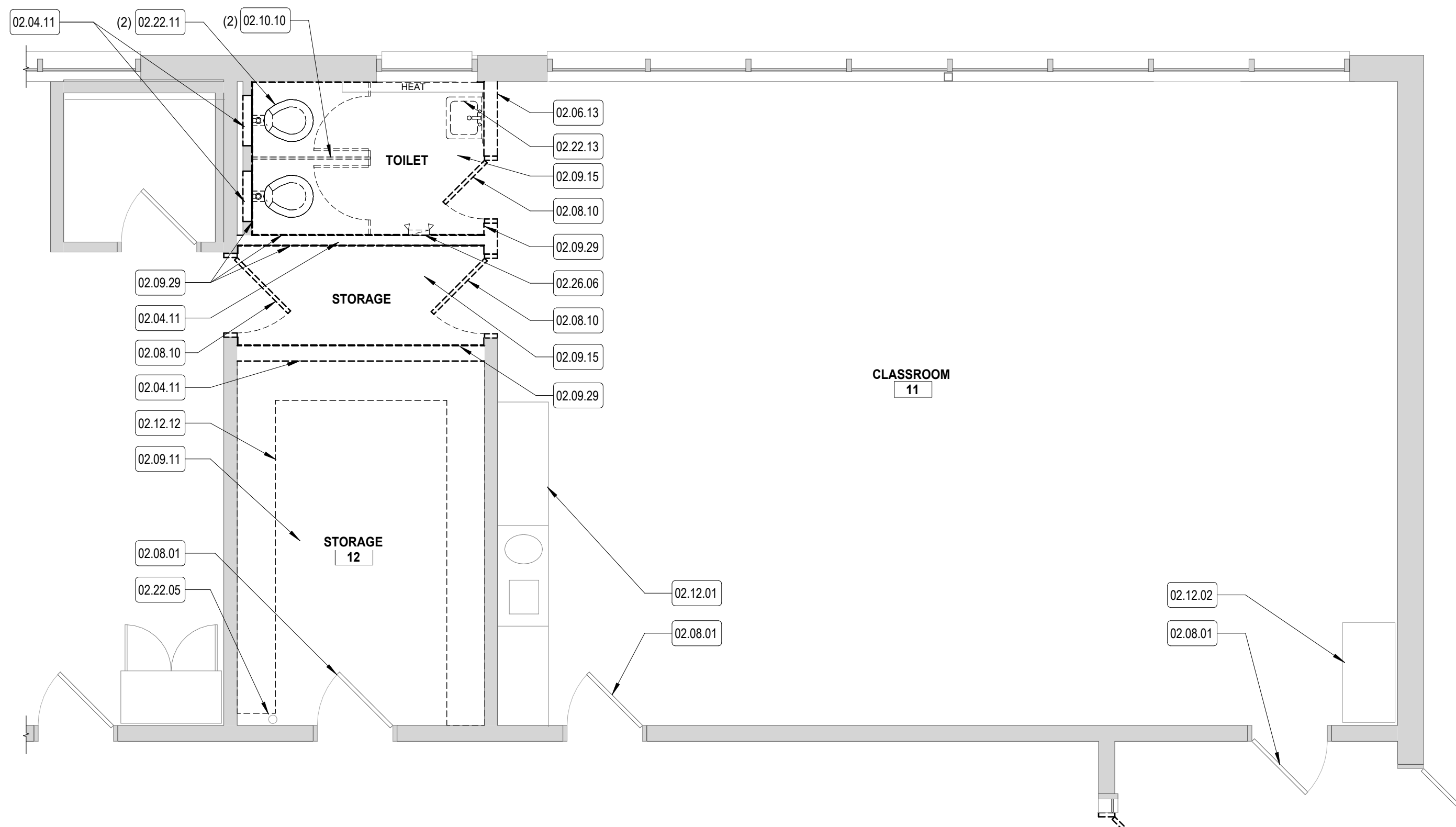
4 RESTROOM - DEMOLITION
SCALE: 1/4" = 1'-0"



3 RESTROOMS PLAN - DEMOLITION
SCALE: 1/4" = 1'-0"



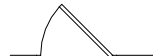
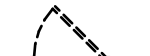
2 OFFICE & RESTROOM PLAN - DEMOLITION
SCALE: 1/4" = 1'-0"
0 2' 4' 8'



1 CLASSROOM & WET ROOM PLAN - DELOMITION
SCALE: 1/4" = 1'-0"

KEYNOTE LEGEND	
NUMBER	DESCRIPTION
02.04.11	REMOVE PORTION OF EXISTING CMU WALL
02.04.12	REMOVE PORTION OF EXISTING CMU WALL TO ACCOMMODATE NEW OPENING, SEE DOOR SCHEUDLE
02.06.12	REMOVE EXISTING WOOD PANEL WALL
02.06.13	REMOVE EXISTING WOOD PANEL WALL TO THE EXTENT SHOWN
02.08.01	EXISTING DOOR AND FRAME TO REMAIN
02.08.10	REMOVE EXISTING DOOR, FRAME, AND THRESHOLD IN ITS ENTIRETY.
02.08.14	REMOVE EXISTING DOOR, FRAME, TRIM, AND HARDWARE IN ITS ENTIRETY. PREP OPENING TO RECEIVE WALL INFILL
02.09.05	EXISTING FLOOR TO REMAIN
02.09.11	REMOVE VCT FLOORING TO EXTENT SHOWN
02.09.14	REMOVE TILE FLOORING TO EXTENT SHOWN
02.09.15	REMOVE EXISTING CERAMIC TILE FLOORING
02.09.29	REMOVE EXISTING TILE WAINSCOT IN ITS ENTIRETY
02.10.10	REMOVE EXISTING TOILET PARTITION
02.12.01	EXISTING BUILT-IN CABINET AND COUNTER TO REMAIN
02.12.02	EXISTING CABINET TO REMAIN
02.12.12	REMOVE EXISTING SHELVING
02.22.05	EXISTING PIPING TO REMAIN
02.22.11	REMOVE EXISTING TOILET
02.22.12	REMOVE EXISTING URINAL
02.22.13	REMOVE EXISTING LAVATORY
02.22.20	REMOVE EXISTING PIPING
02.23.31	EXISTING HEATING DEVICE TO BE REMOVED AND RELOCATED, REFER TO MECHANICAL BY [231]
02.26.06	REMOVE EXISTING WALL MOUNTED LIGHT

DEMOLITION FLOOR PLAN LEGEND

	EXISTING WALL CONSTRUCTION TO REMAIN		EXISTING CONSTRUCTION TO BE DEMOLISHED
	EXISTING DOOR TO REMAIN		EXISTING DOOR AND FRAME TO BE DEMOLISHED
	EXISTING WINDOW TO REMAIN		EXISTING WINDOW TO BE DEMOLISHED
	LIMIT OF WORK		
	EXISTING TO REMAIN		

H₂O

150 LONGWATER DR
NORWELL, MA 02061

43 HARVARD ST
WORCESTER, MA 01609

781.871.9804
habeeb@h2o.com

HABEEB & ASSOCIATES
ARCHITECTS

ADA RENOVATIONS

NEW CITIZEN'S CENTER

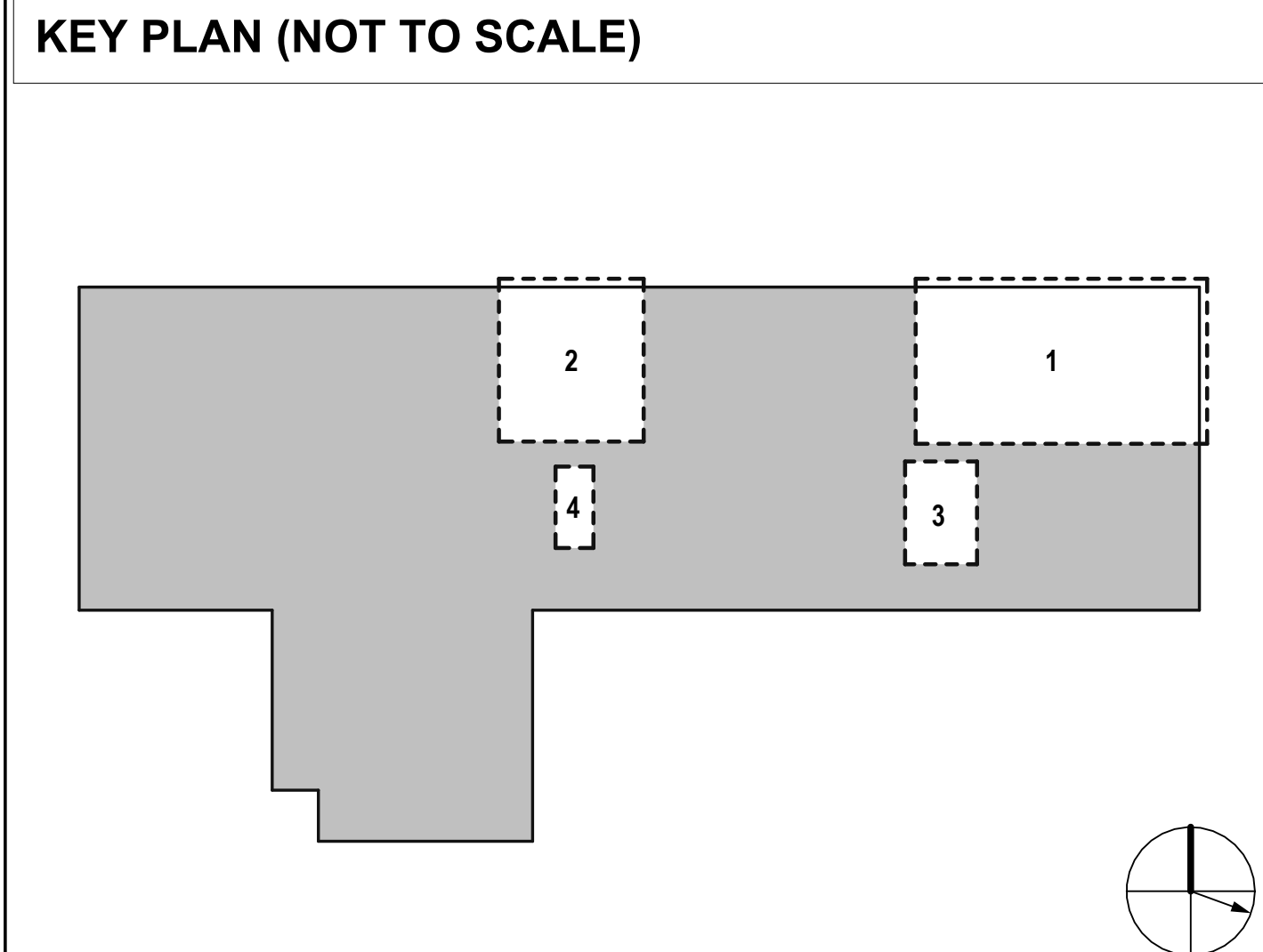
**1407A MAIN STREET
WORCESTER, MA 01603**

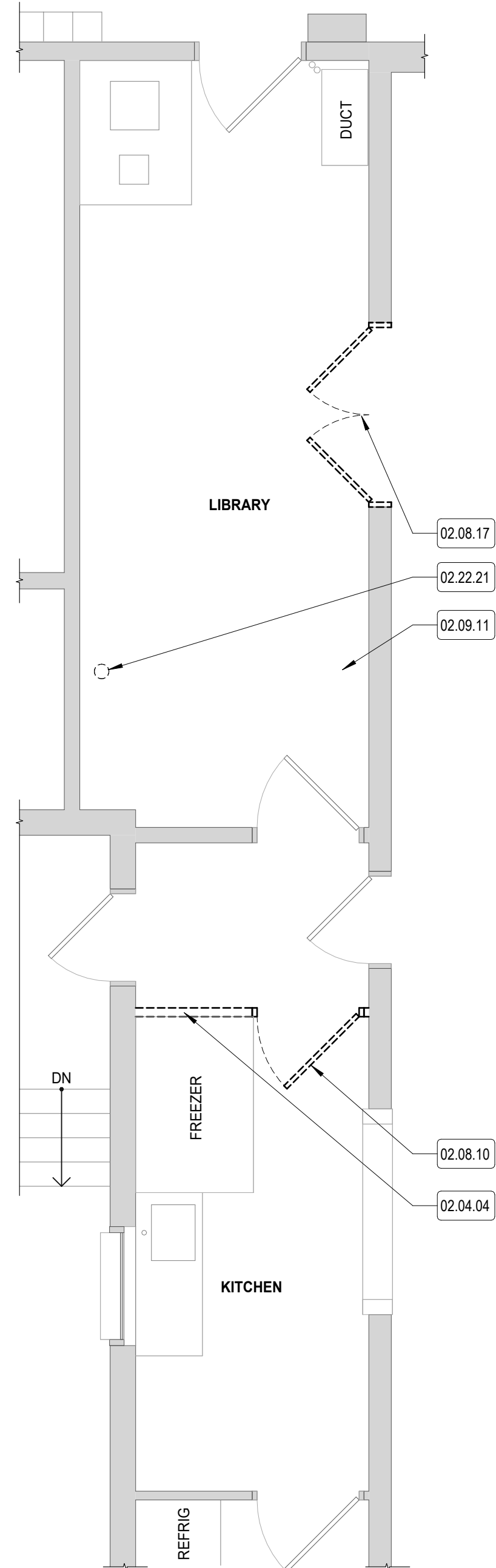
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PROJECT NO: 2430.05
DATE: 08/19/2026
SCALE: AS NOTED
DRAWN BY: JG / AR
CHECKED BY: TP / MB

ENLARGED FIRST FLOOR PLANS - DEMOLITION

AD-410





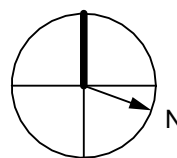
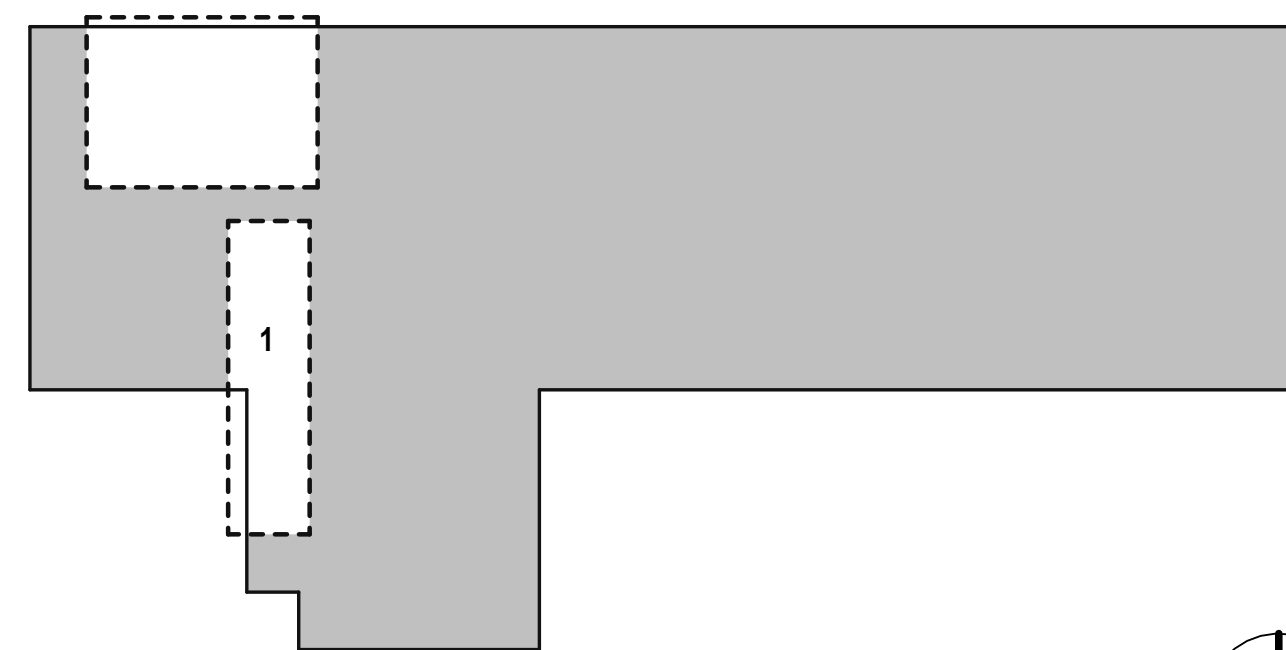
1 LIBRARY & KITCHEN - DEMOLITION
SCALE: 1/4" = 1'-0"

KEYNOTE LEGEND	
NUMBER	DESCRIPTION
02.04.04	EXISTING CMU WALL TO REMAIN
02.08.10	REMOVE EXISTING DOOR, FRAME, AND THRESHOLD IN ITS ENTIRETY.
02.08.17	REMOVE DOOR LEAVES - SEE DOOR SCHEDULE FOR NEW DOOR TYPE
02.09.11	REMOVE VCT FLOORING TO EXTENT SHOWN
02.22.21	REMOVE EXISTIGN DRAIN LEADER

DEMOLITION FLOOR PLAN LEGEND

	EXISTING WALL CONSTRUCTION TO REMAIN		EXISTING CONSTRUCTION TO BE DEMOLISHED
	EXISTING DOOR TO REMAIN		EXISTING DOOR TO BE DEMOLISHED
	EXISTING WINDOW TO REMAIN		EXISTING WINDOW TO BE DEMOLISHED
	LIMIT OF WORK		

KEY PLAN (NOT TO SCALE)

[illegible]

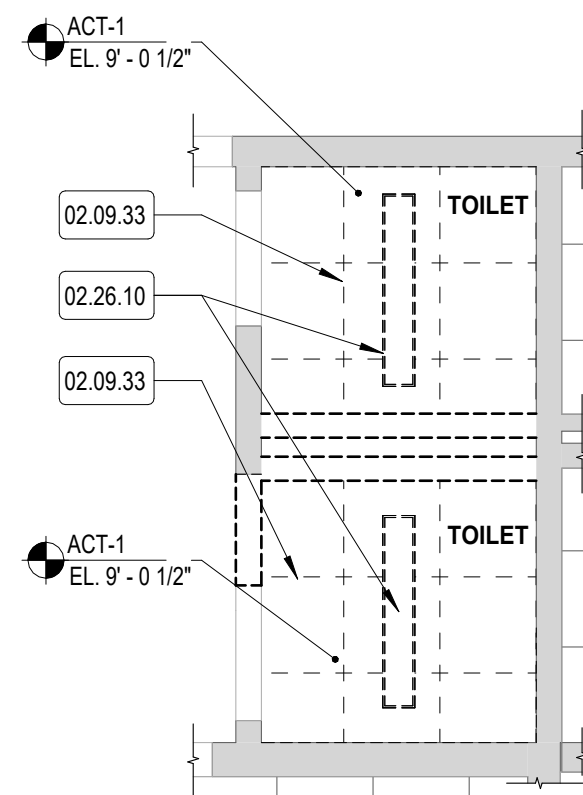
PROJECT NO: 2430.05
DATE: 08/19/2026
SCALE: AS NOTED
DRAWN BY: JG / AR
CHECKED BY: TP / MB

ENLARGED FIRST FLOOR PLANS - DEMOLITION

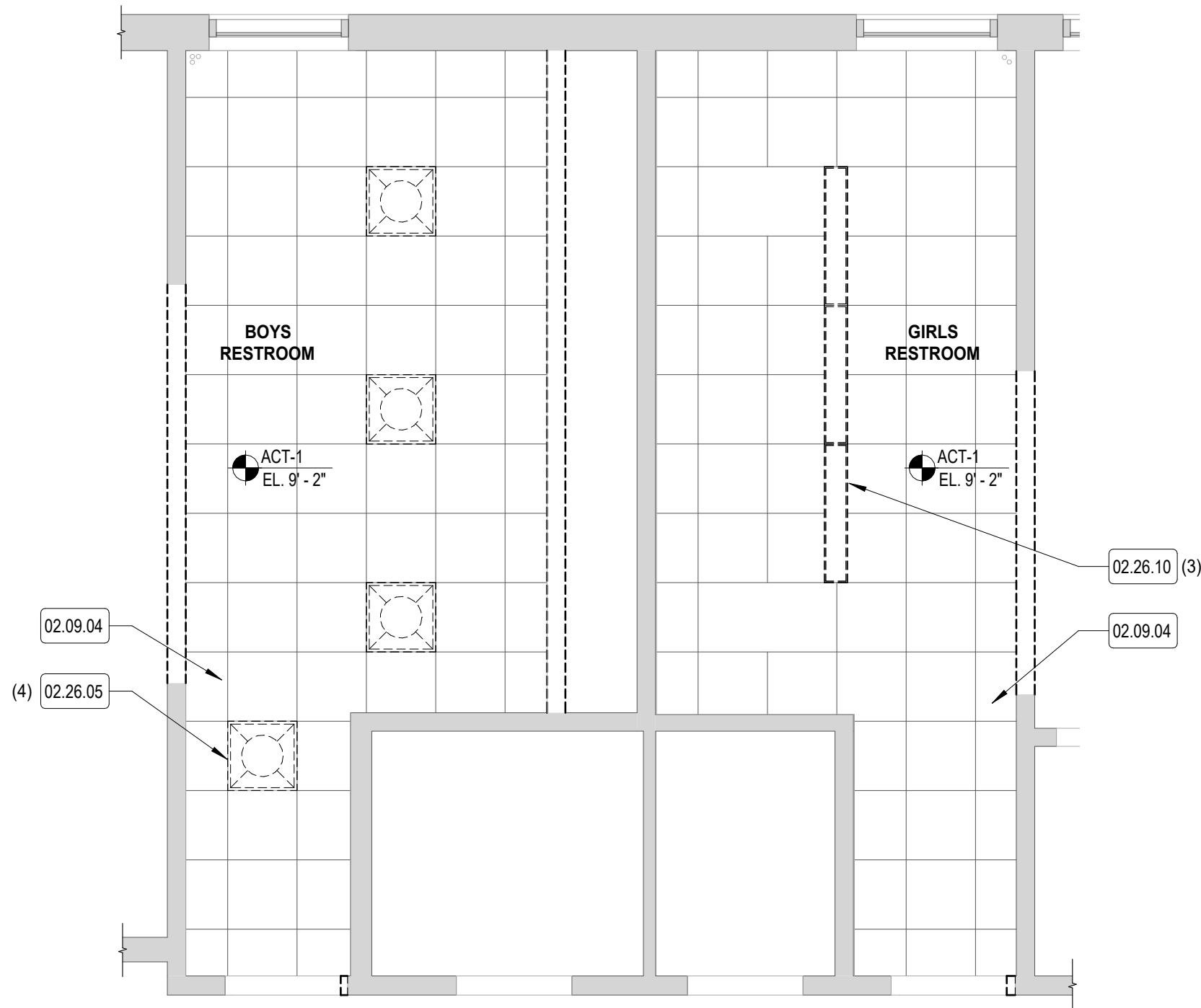
AD-411

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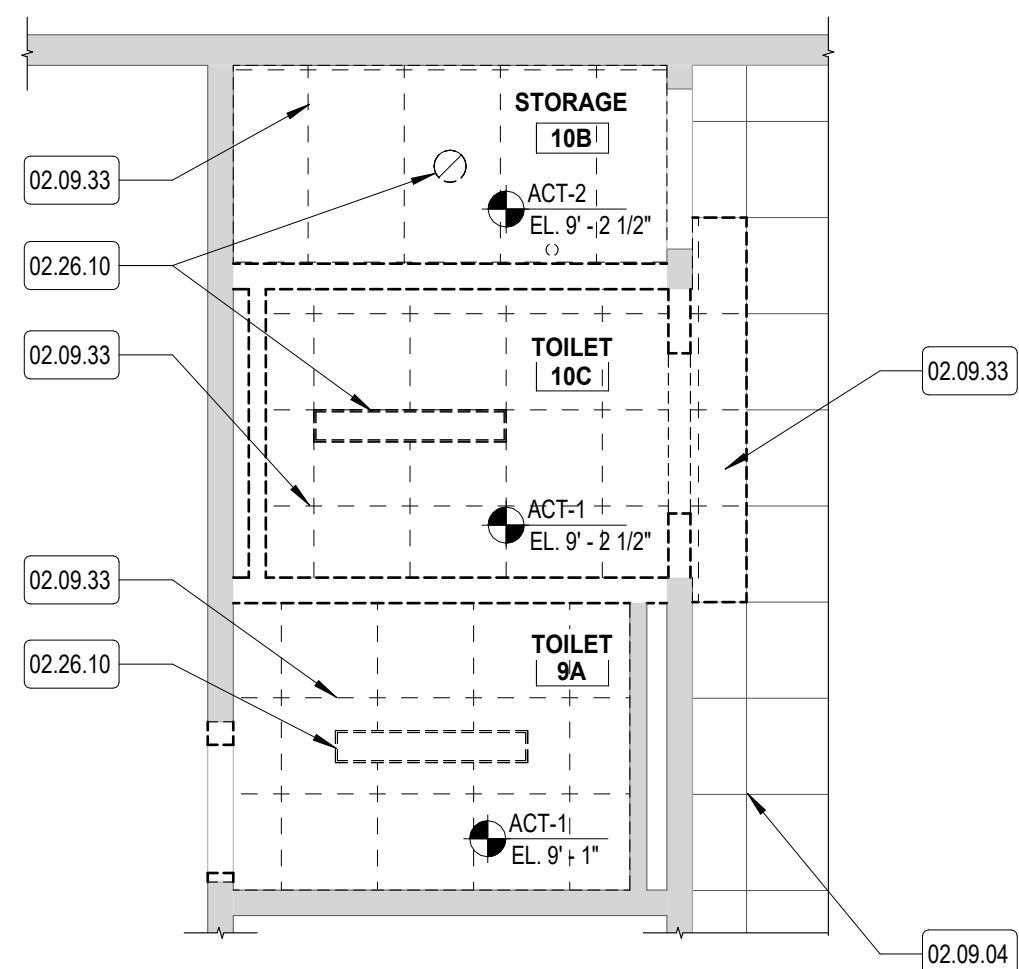
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4 RESTROOM CEILING PLAN - DEMO
SCALE: 1/4" = 1'-0"

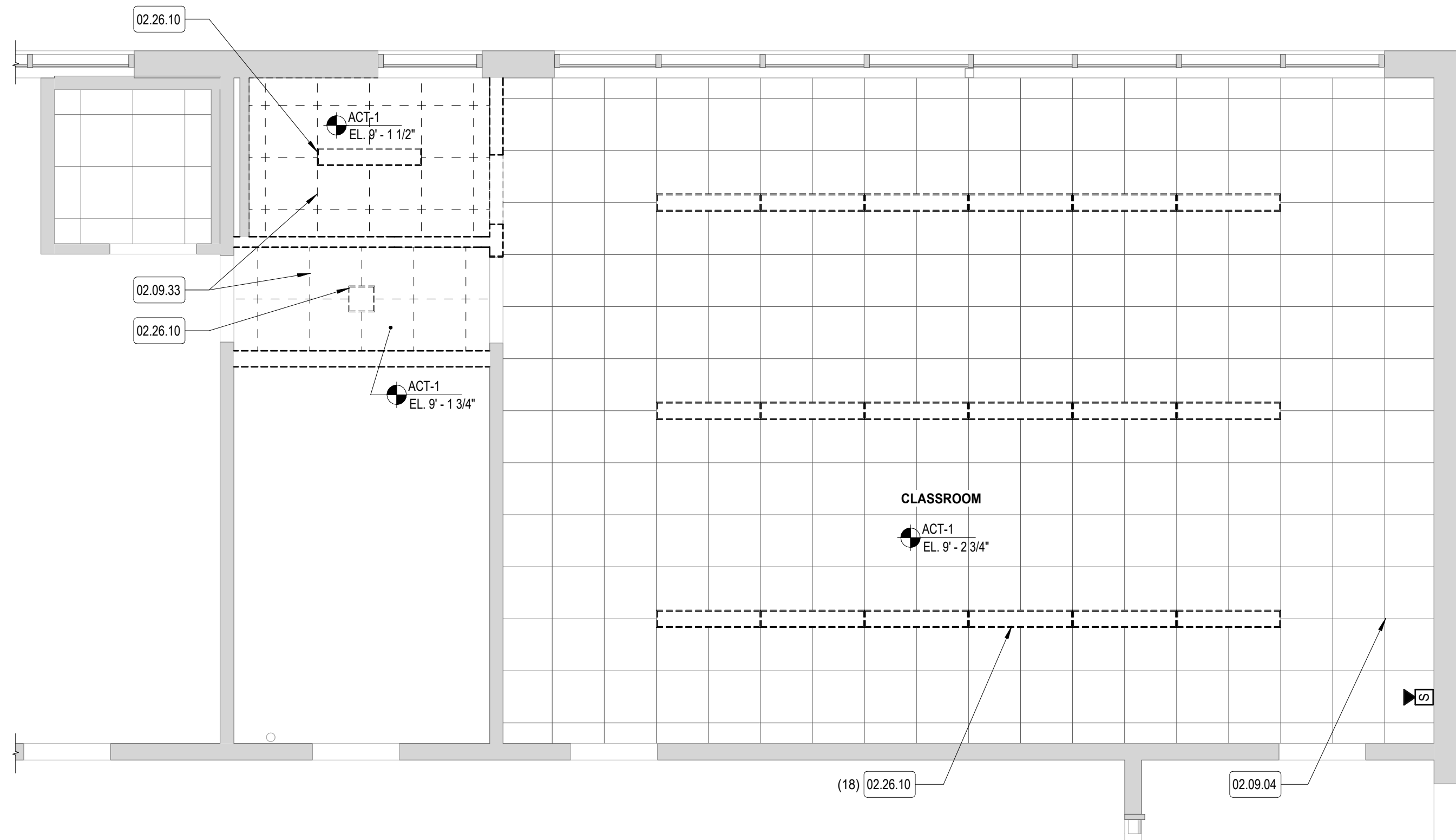


3 RESTROOMS CEILING PLAN - DEMO
SCALE: 1/4" = 1'-0"



2 OFFICE & RESTROOM CEILING PLAN - DEMO

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



1 CLASSROOM & WET ROOM CEILING PLAN - DEMO
SCALE: 1/4" = 1'-0"

KEYNOTE LEGEND	
NUMBER	DESCRIPTION
02.09.04	EXISTING DROP CEILING TO REMAIN
02.09.33	REMOVE EXISTING DROP CEILING SYSTEM
02.26.05	EXISTING LIGHT FIXTURE TO REMAIN
02.26.10	REMOVE CEILING MOUNTED LIGHT FIXTURES

CEILING PLAN DEMOLITION LEGEND

ACT-1 ———> CEILING MATERIAL

EL. X'-X" ———> CEILING HEIGHT AFF

EXISTING
EXISTING HARD CEILING - TO REMAIN

DEMO
HARD CEILING TO BE REMOVED

EXISTING
EXISTING 2'X2' ACOUSTICAL CEILING TILE - TO REMAIN

DEMO
2'X2' ACOUSTICAL PANEL & GRID TO BE REMOVED

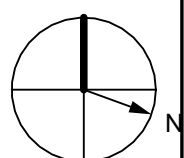
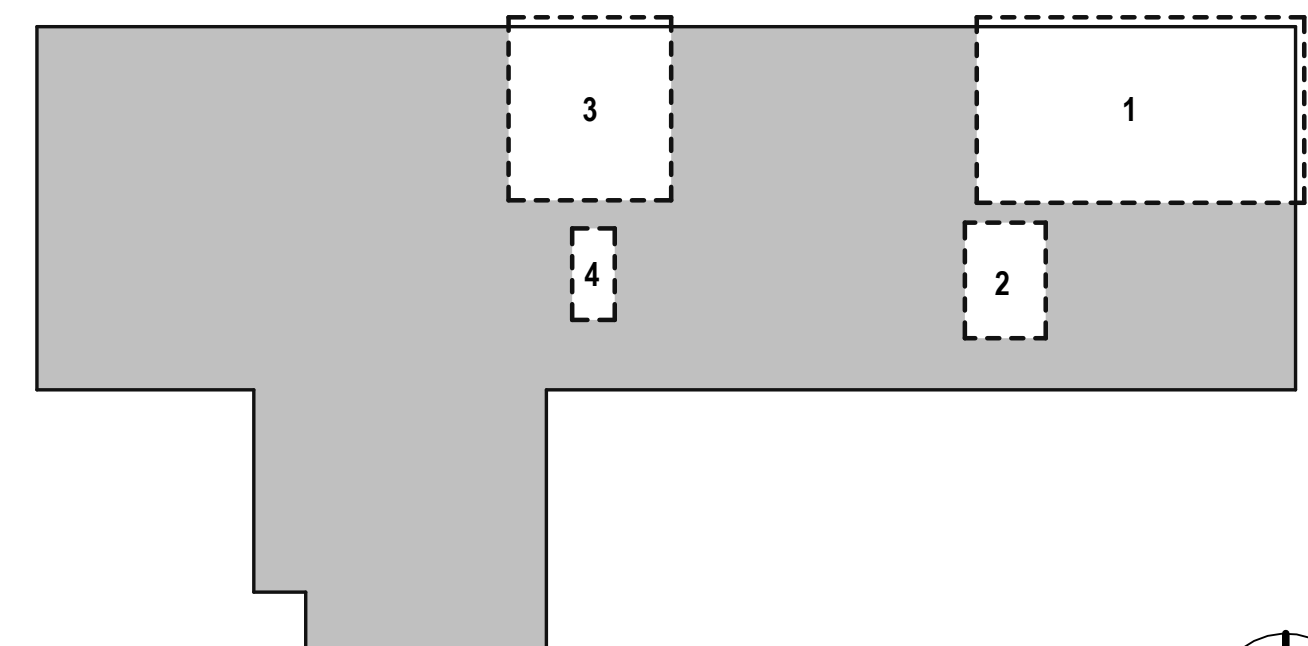
NEW / EXISTING
UNPAINTED EXPOSED
STRUCTURE ABOVE

EXP

LIGHT FIXTURE TYPES - DEMOLITION

EXISTING	DEMO
	 1 X 1 LIGHT FIXTURE
	 2 X 2 LIGHT FIXTURE
	 1 X 4 LIGHT FIXTURE
	 PENDANT LIGHT FIXTURE
	 EMERGENCY LIGHT

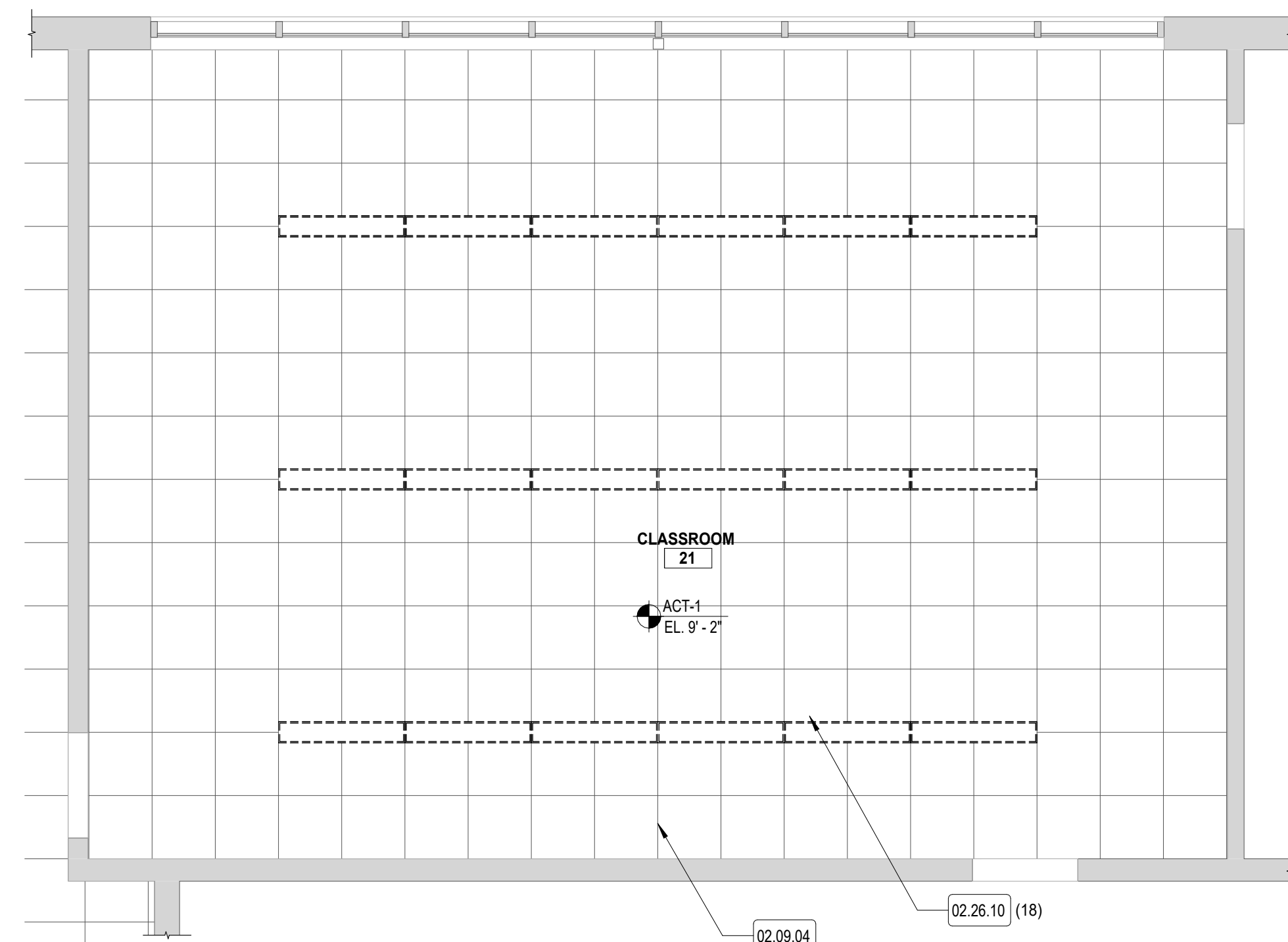
KEY PLAN (NOT TO SCALE)

[illegible]

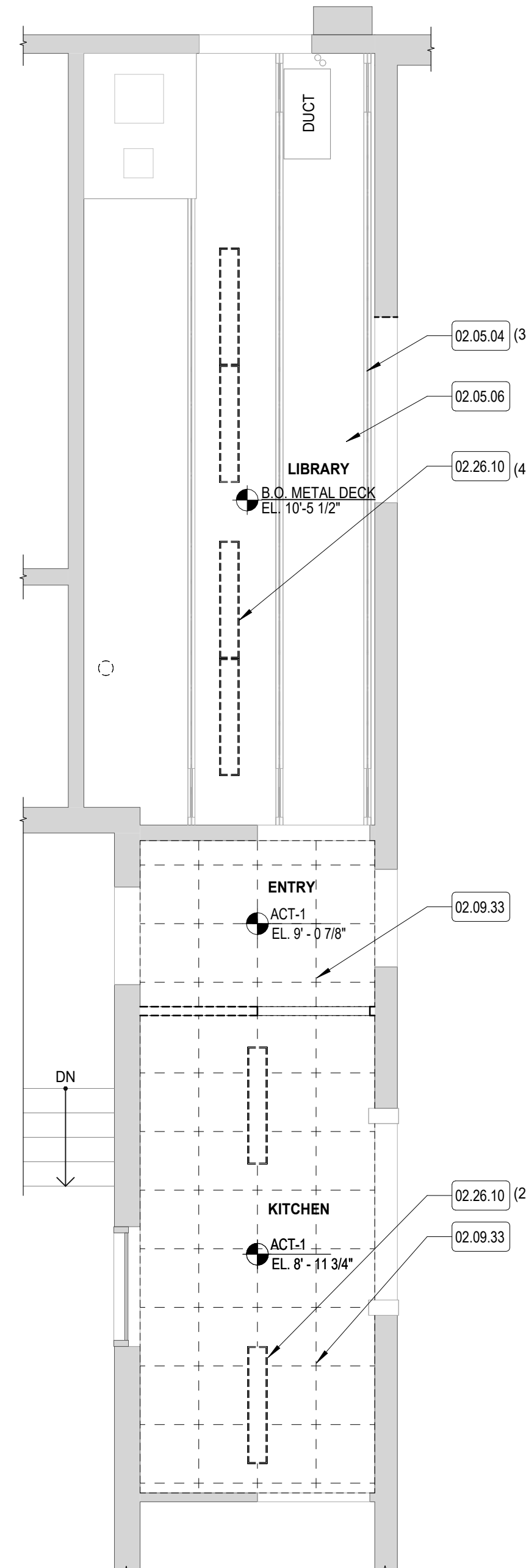
PROJECT NO: 2430.05
DATE: 08/19/2026
SCALE: AS NOTED
DRAWN BY: JG / AR
CHECKED BY: TP / MB

**ENLARGED FIRST
FLOOR CEILING
PLANS - DEMOLITION**

AD-420



2 CLASSROOMS CEILING PLAN - DEMOLITION
SCALE: 1/4" = 1'-0"

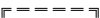


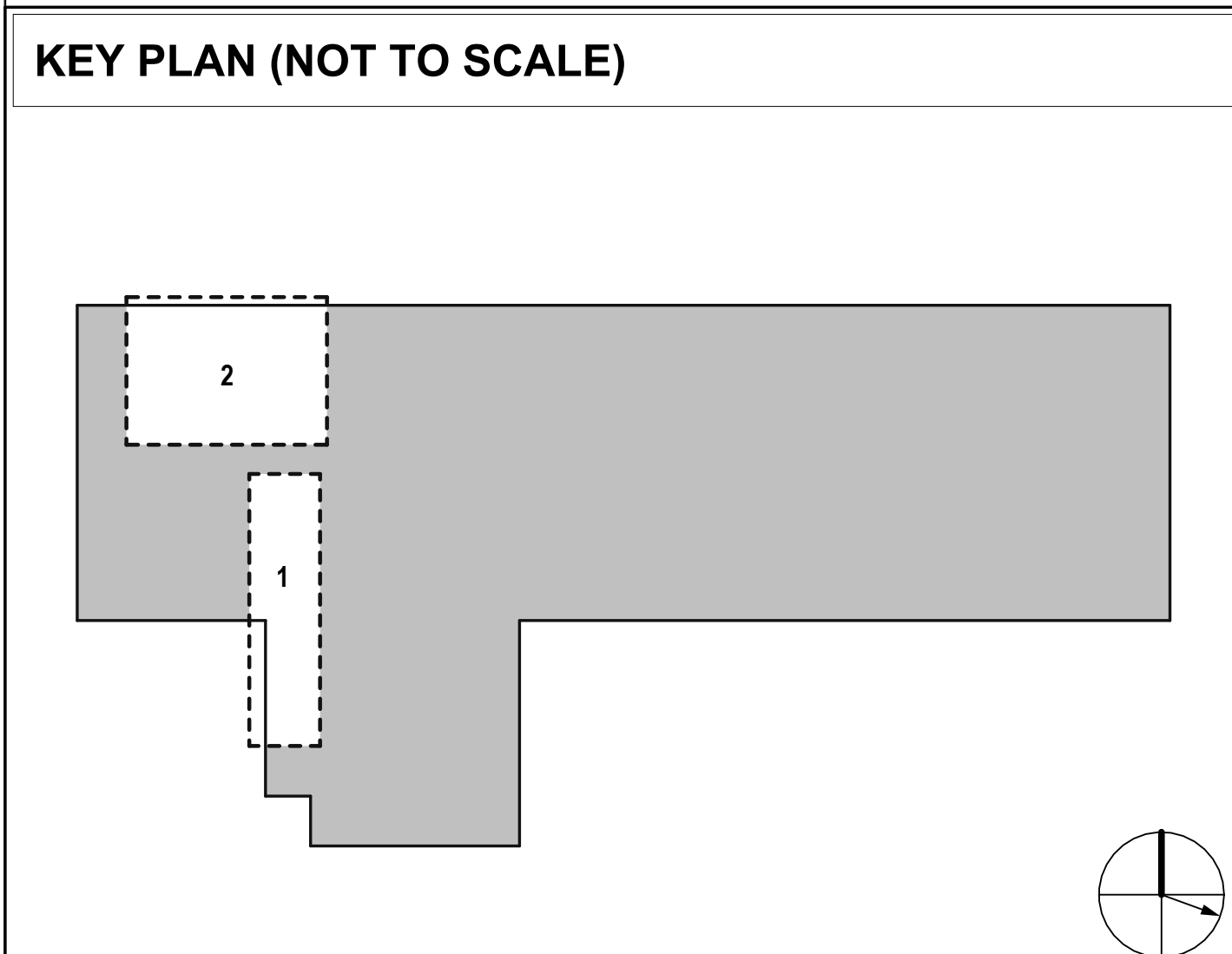
1 LIBRARY & KITCHEN CEILING PLAN - DEMOLITION
SCALE: 1/4" = 1'-0"

KEYNOTE LEGEND	
NUMBER	DESCRIPTION
02.05.04	EXISTING K BAR JOIST TO REMAIN
02.05.06	EXISTING METAL DECK ON BAR JOISTS
02.09.04	EXISTING DROP CEILING TO REMAIN
02.09.33	REMOVE EXISTING DROP CEILING SYSTEM
02.26.10	REMOVE CEILING MOUNTED LIGHT FIXTURES

CEILING PLAN DEMOLITION LEGEND

	ACT-1 EL. X'-XX"	CEILING MATERIAL CEILING HEIGHT AFF
	<u>EXISTING</u> EXISTING HARD CEILING - TO REMAIN	
	<u>DEMO</u> HARD CEILING TO BE REMOVED	
	<u>EXISTING</u> EXISTING 2'X2' ACOUSTICAL CEILING TILE - TO REMAIN	PTD - EXP
	<u>DEMO</u> 2'X2' ACOUSTICAL PANEL & GRID TO BE REMOVED	
	<u>NEW / EXISTING</u> UNPAINTED EXPOSED STRUCTURE ABOVE	<u>NEW / EXISTING</u> PTD EXPOSED STRUCTURE ABOVE [907]

LIGHT FIXTURE TYPES - DEMOLITION		
EXISTING	DEMO	
		1 X 1 LIGHT FIXTURE
		2 X 2 LIGHT FIXTURE
		1 X 4 LIGHT FIXTURE
		PENDANT LIGHT FIXTURE
		EMERGENCY LIGHT

[illegible]

PROJECT NO: 2430.05
DATE: 08/19/2026
SCALE: AS NOTED
DRAWN BY: JG
CHECKED BY: TP / MB

**ENLARGED FIRST
FLOOR CEILING
PLANS - DEMOLITION**

AD-421

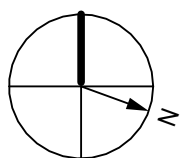
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ARCHITECTURAL SITE PLAN
SCALE: NOT TO SCALE

SCALE: NOT TO SCALE



NOTE:
GC TO COORDINATE LAYDOWN AREA AND FENCING WITH OWNER.



ADA RENOVATIONS

NEW CITIZEN'S CENTER

1407A MAIN STREET
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[illegible]

PROJECT NO: 2430.05

DATE: 08/19/2026

SCALE: AS NOTED

DRAWN BY: AR
CHECKED BY: MB / TP

**ARCHITECTURAL SITE
PLAN**

A-001

HABEEB & ASSOCIATES
ARCHITECTSA
H

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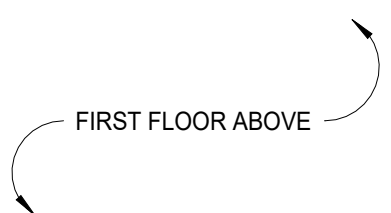
43 HAWKARD ST
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BASEMENT - NEW WORK



1. REFER TO DWG. G-002 FOR LIST OF TYPICAL ABBREVIATIONS, ARCHITECTURAL GRAPHIC SYMBOLS, AND GENERAL NOTES.
2. REFER TO DWG G-010 FOR BUILDING CODE SUMMARY AND FIRE SAFETY PLANS FOR LOCATIONS OF FIRE-RESISTANCE RATED PARTITIONS.
3. REFER TO DWG G-020 FOR PARTITION TYPES FIRE-STOP SYSTEM DETAILS OF FIRE-RESISTANCE RATED PARTITIONS.
4. ALL DIMENSIONS ARE TO FACE OR CENTERLINE OF STRUCTURE (FOUNDATION, COLUMN, ETC) UNLESS OTHERWISE NOTED (U.O.N). DIMENSIONS TO INTERIOR PARTITIONS ARE TO FACE OF PARTITION. OTHER DIMENSIONS NOTED AS "CLEAR," "CLR," "FIN," SHALL BE DEEMED TO BE FINISHED FACE.
5. THE CONTRACTOR SHALL PROVIDE AND INSTALL STIFFENERS, BRACING, BLOCKING, BACK-UP PLATES AND BEARING BRACKETS (NOT DRAWN OR SPECIFIED BUT REQUIRED FOR PROPER INSTALLATION OF ALL WALL-MOUNTED CASEWORK, TOILET ACCESSORIES AND EQUIPMENT.
6. PROVIDE MINIMUM 4-INCH CLEARANCE FROM FACE OF DOOR JAMB TO FACE OF ADJACENT WALL, UNLESS OTHERWISE NOTED.

EXISTING WALL CONSTRUCTION
TO REMAIN

NEW WALL CONSTRUCTION

EXISTING DOOR TO REMAIN

NEW DOOR

EXISTING WINDOW TO REMAIN

LIMIT OF WORK

SPOT ELEVATION

$$\frac{000}{000} \leftarrow \frac{\text{EXIT CAPACITY}}{\text{ACTUAL LOAD}}$$

INDICATES PARTITION TYPE
REFER TO G-020 SERIES

DOOR NUMBER:
REFER TO A-600 SERIES DOOR
SCHEDULE AND FRAME/PANEL
TYPES

— **WINDOW UNIT TYPE:**
REFER TO A-610 SERIES
WINDOW SCHEDULE AND
FRAME/PANEL TYPES

$$\frac{000}{000} \leftarrow \frac{\text{EXIT CAPACITY}}{\text{ACTUAL LOAD}}$$

PROJECT NO: 2430.05
DATE: 08/19/2026
SCALE: AS NOTED
DRAWN BY: JG / AR
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BASEMENT PLAN

A-100

ADA RENOVATIONS

NEW CITIZEN'S CENTER

1407A MAIN STREET
WORCESTER, MA 01603

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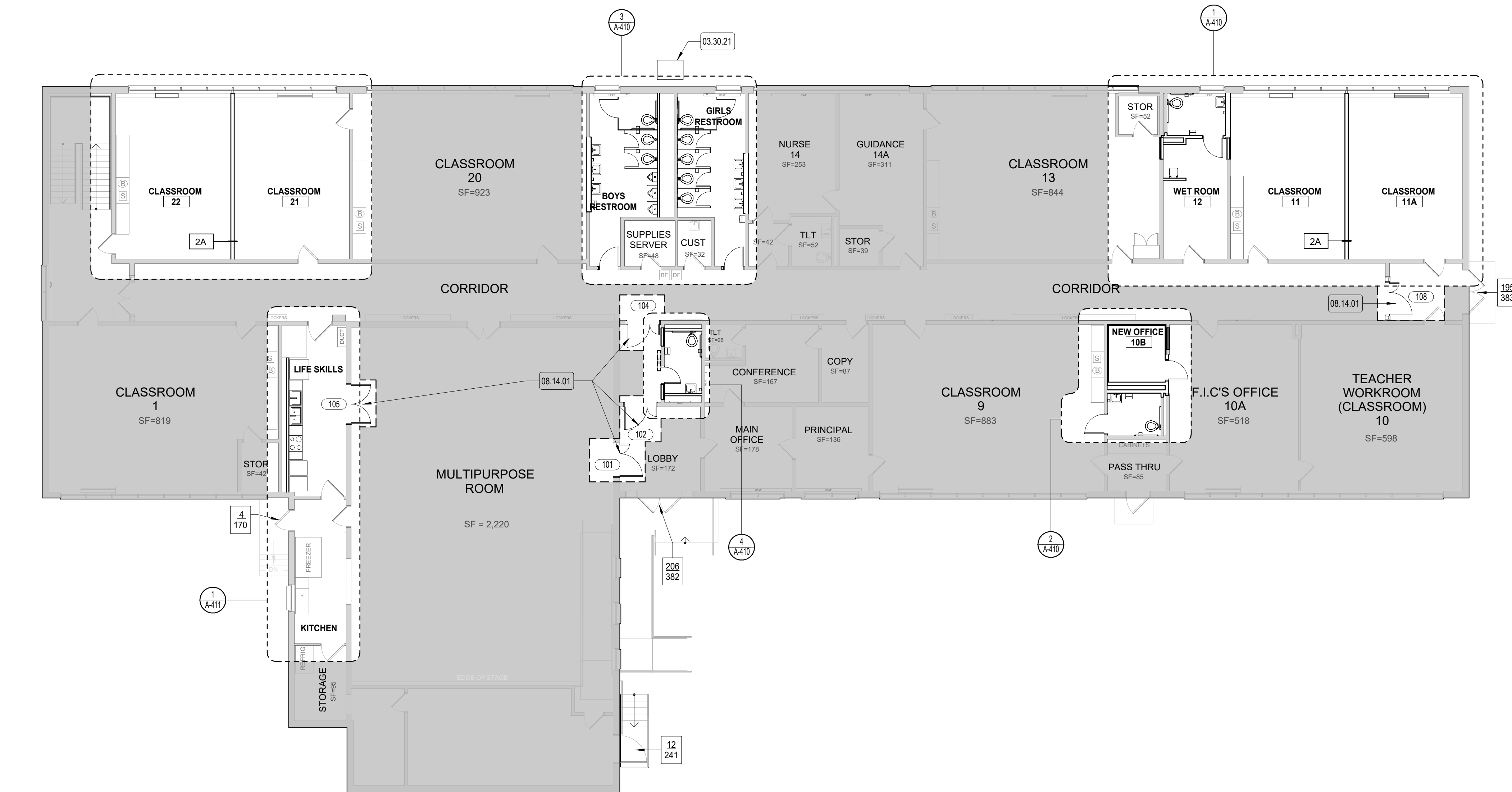
이

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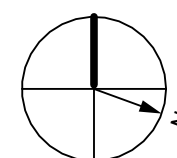
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1 FIRST FLOOR
SCALE: 3/32" = 1'-0"



KEYNOTE LEGEND

NUMBER	DESCRIPTION
03.30.21	CONCRETE SLAB-ON-GRADE, REFER MECHANICAL BY [231] FOR REQ'D DIMENSIONS OF SLAB PER EQUIPMENT
08.14.01	WOOD DOOR, SEE DOOR SCHEDULE

FLOOR PLAN GENERAL NOTES

1. REFER TO DWG. G-002 FOR LIST OF TYPICAL ABBREVIATIONS, ARCHITECTURAL GRAPHIC SYMBOLS, AND GENERAL NOTES.
2. REFER TO DWG. G-010 FOR BUILDING CODE SUMMARY AND FIRE SAFETY PLANS FOR LOCATIONS OF FIRE-RESISTANCE RATED PARTITIONS.
3. REFER TO DWG. G-020 FOR PARTITION TYPES FIRE-STOP SYSTEM DETAILS OF FIRE-RESISTANCE RATED PARTITIONS.
4. ALL DIMENSIONS ARE TO FACE OR CENTERLINE OF STRUCTURE (FOUNDATION, COLUMN, ETC) UNLESS OTHERWISE NOTED (U.O.N). DIMENSIONS TO INTERIOR PARTITIONS ARE TO FACE OF PARTITION. OTHER DIMENSIONS NOTED AS "CLEAR," "CLR," "FIN." SHALL BE DEEMED TO BE FINISHED FACE.
5. THE CONTRACTOR SHALL PROVIDE AND INSTALL STIFFENERS, BRACING, BLOCKING, BACK-UP PLATES AND SUPPORTING BRACKETS NOT DRAWN OR SPECIFIED BUT REQUIRED FOR PROPER INSTALLATION OF ALL WALL MOUNTED CASEWORK, TOILET ACCESSORIES AND EQUIPMENT.
6. PROVIDE MINIMUM 4-INCH CLEARANCE FROM FACE OF DOOR JAMB TO FACE OF ADJACENT WALL, UNLESS OTHERWISE NOTED.

FLOOR PLAN LEGEND

EXISTING WALL CONSTRUCTION
TO REMAIN

NEW WALL CONSTRUCTION

EXISTING DOOR TO REMAIN

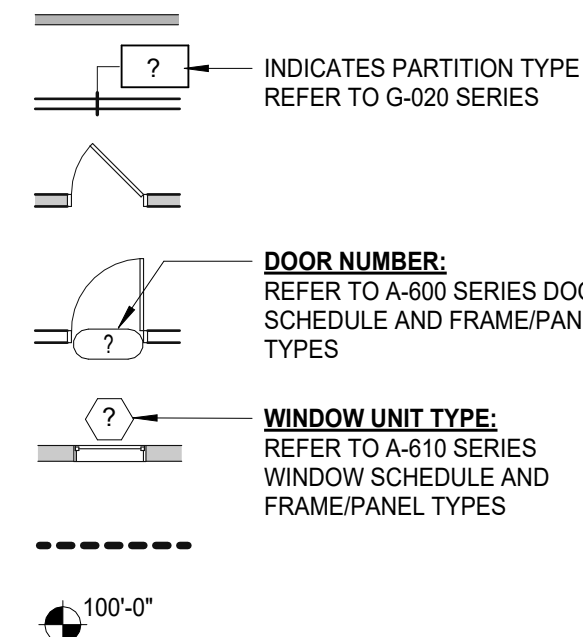
NEW DOOR

EXISTING WINDOW TO REMAIN

LIMIT OF WORK

SPOT ELEVATION

$$\frac{000}{000} \leftarrow \frac{\text{EXIT CAPACITY}}{\text{ACTUAL LOAD}}$$



ADA RENOVATIONS

NEW CITIZEN'S CENTER

1407A MAIN STREET
WORCESTER, MA 01603

REVISIONS

[illegible]

PROJECT NO: 2430.05

DATE: 08/19/2026

SCALE: AS NOTED

DRAWN BY: JG / AR

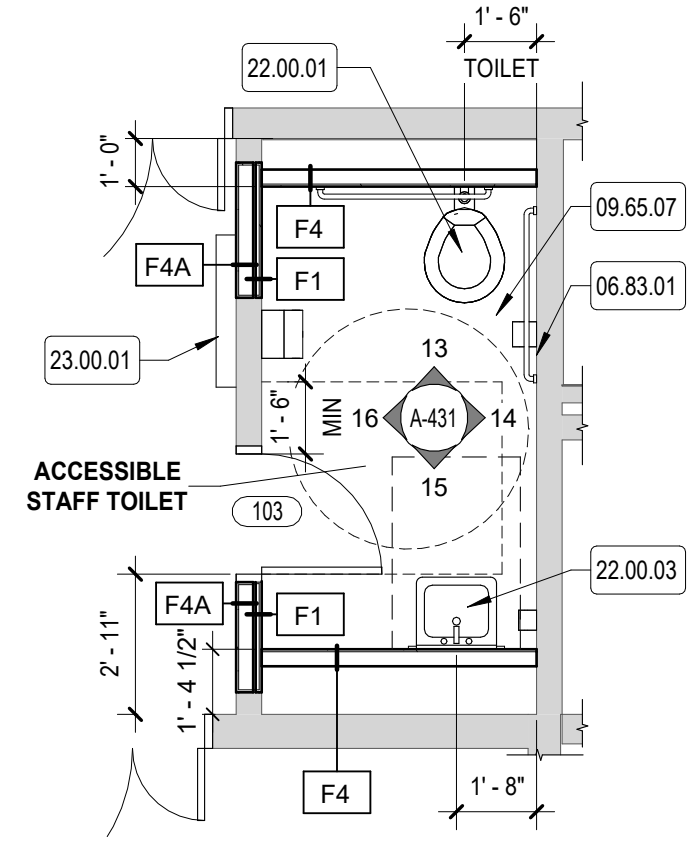
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FIRST FLOOR PLAN

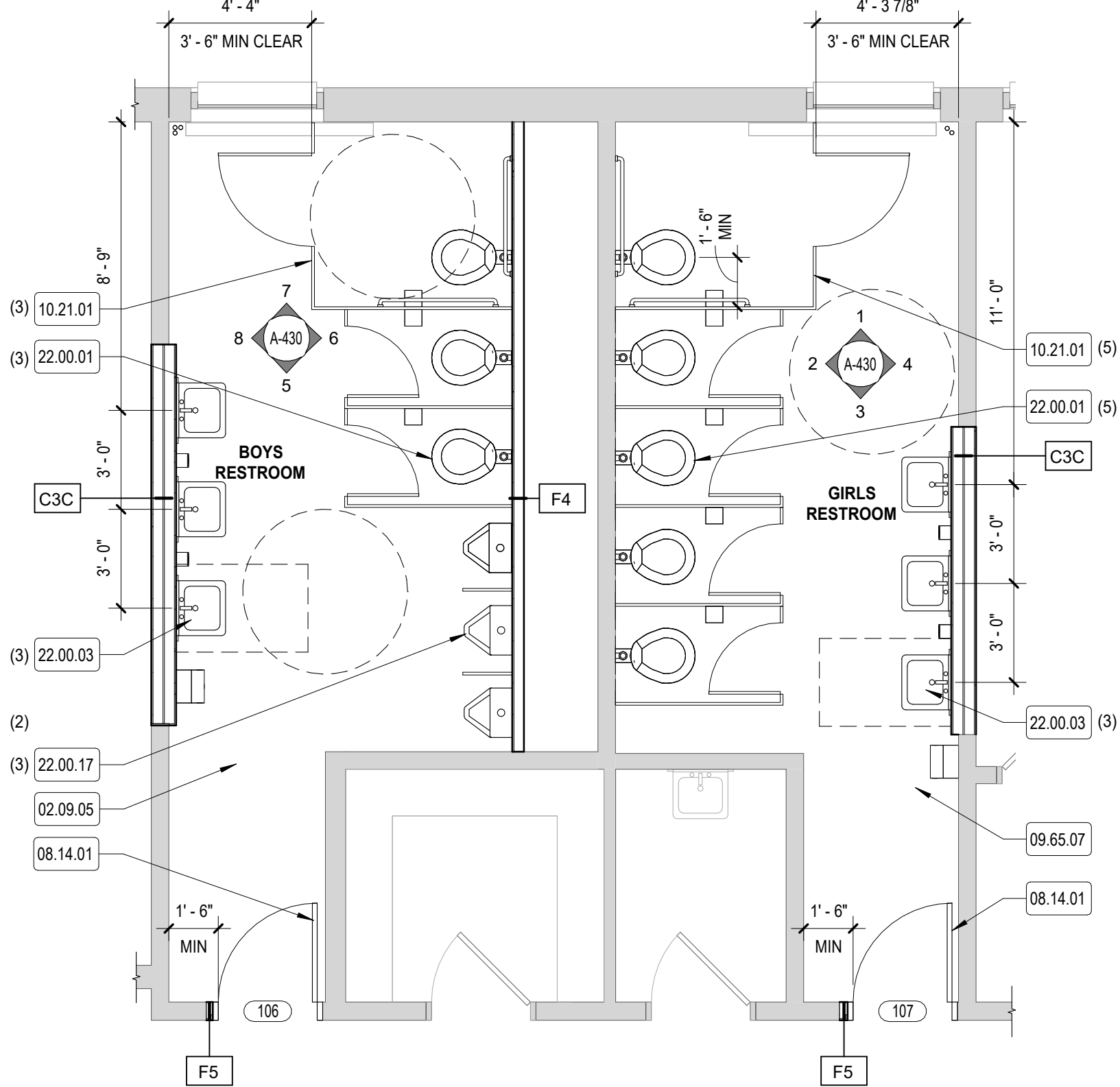
A-110

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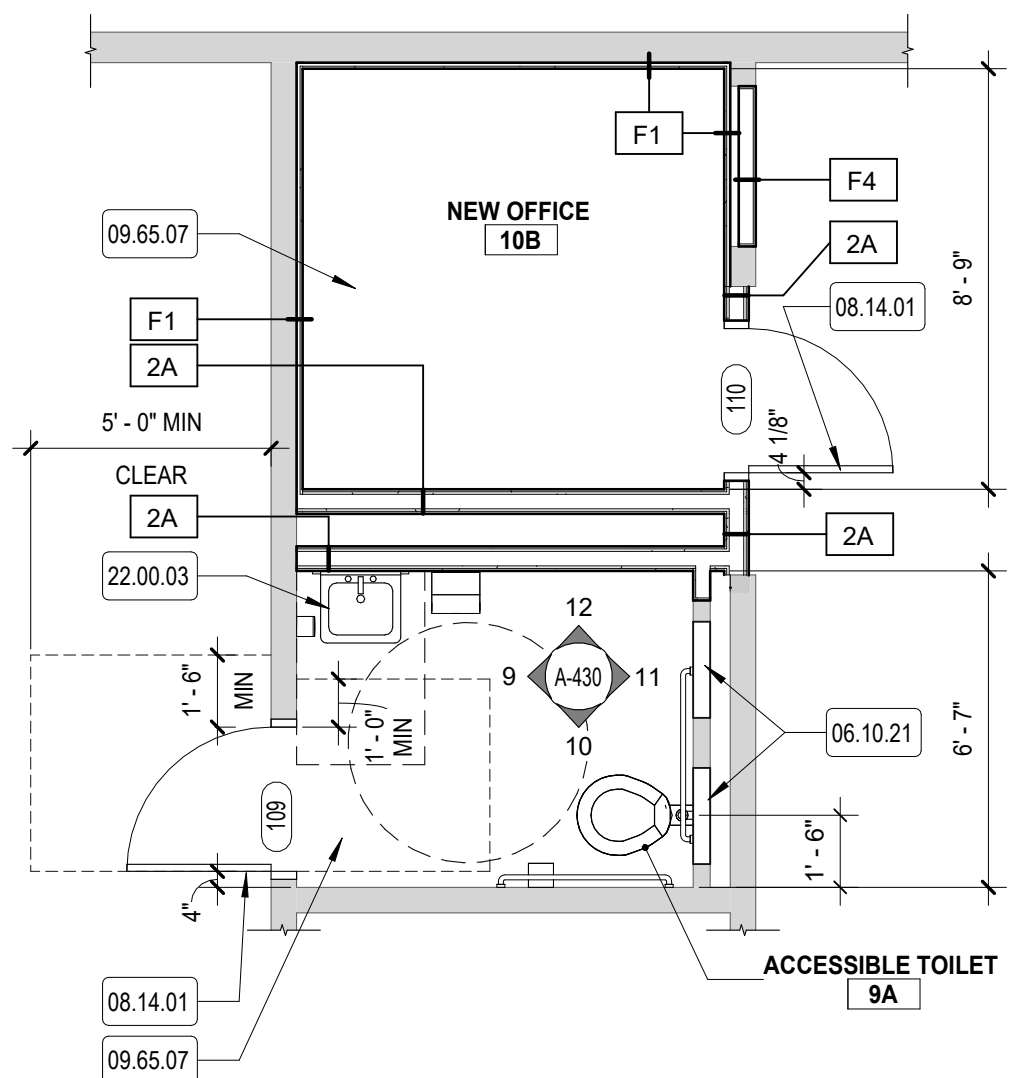
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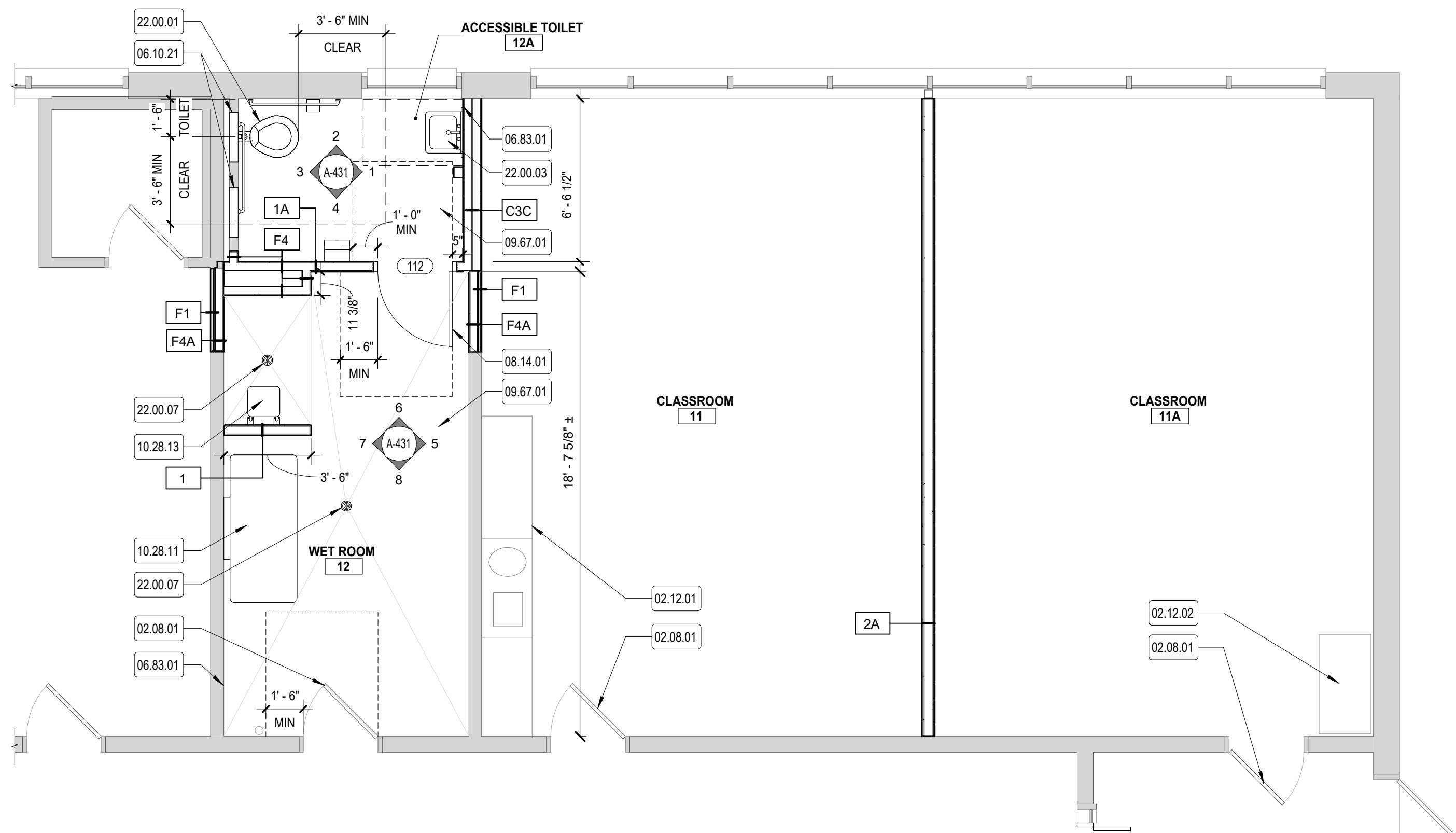
4 RESTROOM ENLARGED PLAN



3 RESTROOMS ENLARGED PLAN



2 OFFICE & RESTROOM ENLARGED PLAN

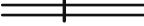
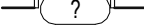


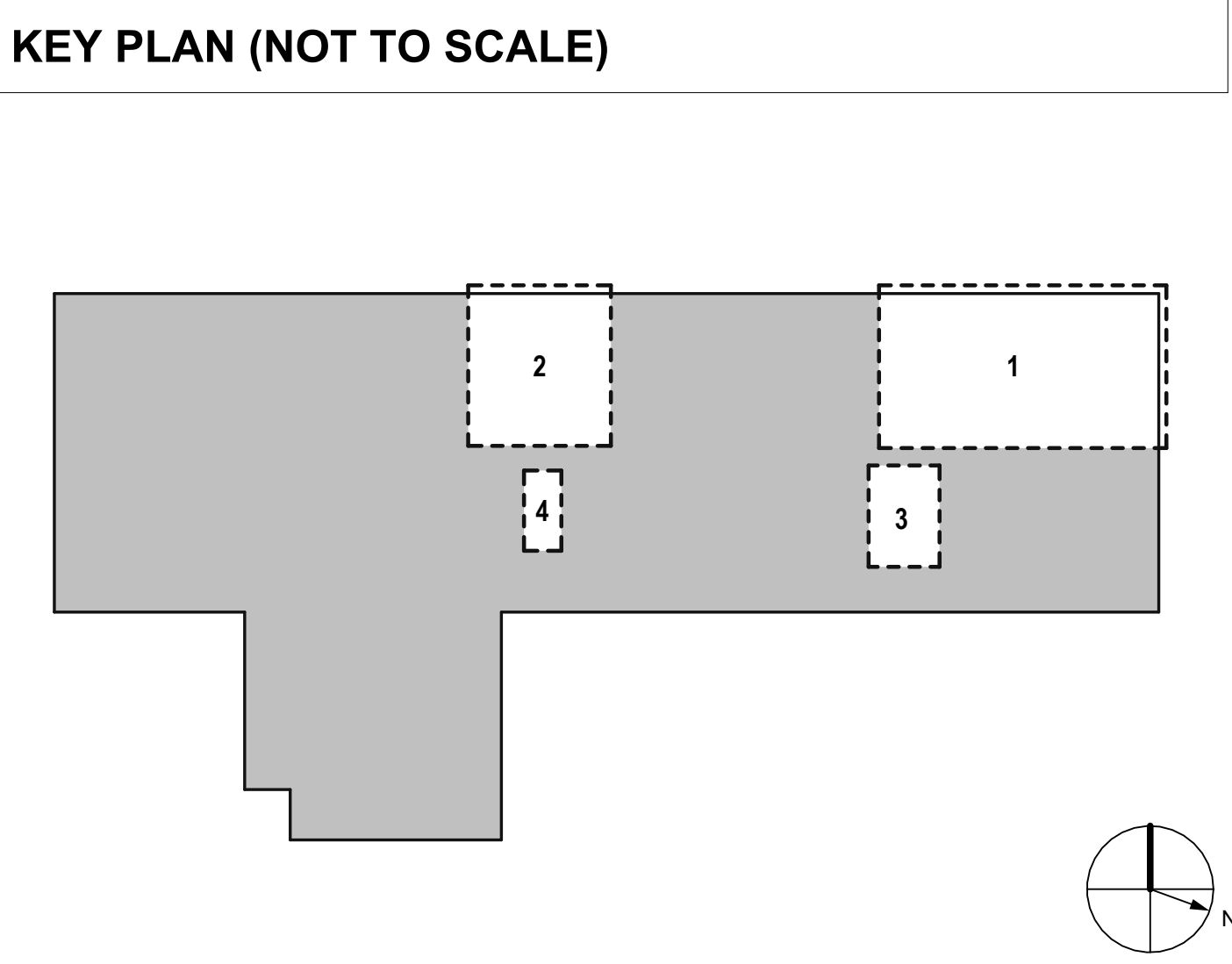
1 CLASSROOM & WET ROOM ENLARGED PLAN



KEYNOTE LEGEND	
NUMBER	DESCRIPTION
02.08.01	EXISTING DOOR AND FRAME TO REMAIN
02.09.05	EXISTING FLOOR TO REMAIN
02.12.01	EXISTING BUILT-IN CABINET AND COUNTER TO REMAIN
02.12.02	EXISTING CABINET TO REMAIN
06.10.21	WOOD PANEL WALL INFILL, MATCH EXISTING, TYP.
06.83.01	FIBERGLASS REINFORCED PANEL
08.14.01	WOOD DOOR, SEE DOOR SCHEDULE
09.65.07	VCT FLOORING, REFER TO FINISH PLANS
09.67.01	POURED EPOXY FLOORING
10.21.01	TOILET PARTITIONS, REFER TO SPECS.
10.28.11	ADULT-SIZED CHANGING STATION
10.28.13	SHOWER SEAT
22.00.01	WALL MOUNTED TOILET, REFER TO PLUMBING BY [221]
22.00.03	WALL MOUNTED LAVATORY, REFER TO PLUMBING BY [221]
22.00.07	FLOOR DRAIN, REFER TO PLUMBING BY [221]
22.00.17	WALL MOUNTED URINAL, REFER TO PLUMBING BY [221]
23.00.01	MECHANICAL UNIT, REFER TO MECHANICAL BY [231]

FLOOR PLAN LEGEND

EXISTING WALL CONSTRUCTION TO REMAIN		
NEW WALL CONSTRUCTION		INDICATES PARTITION TYPE REFER TO G-020 SERIES
EXISTING DOOR TO REMAIN		
NEW DOOR		<u>DOOR NUMBER:</u> REFER TO A-600 SERIES DOOR SCHEDULE AND FRAME/PANEL TYPES
EXISTING WINDOW TO REMAIN		<u>WINDOW UNIT TYPE:</u> REFER TO A-610 SERIES WINDOW SCHEDULE AND FRAME/PANEL TYPES
LIMIT OF WORK		
SPOT ELEVATION		100'-0"

[illegible]

PROJECT NO: 2430.05
DATE: 08/19/2026
SCALE: AS NOTED
DRAWN BY: JG / AR
CHECKED BY: TP / MB

ENLARGED FIRST FLOOR PLANS

A-410

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150 LONGWATER DR
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ROCHESTER, MA 01669
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ADA RENOVATIONS

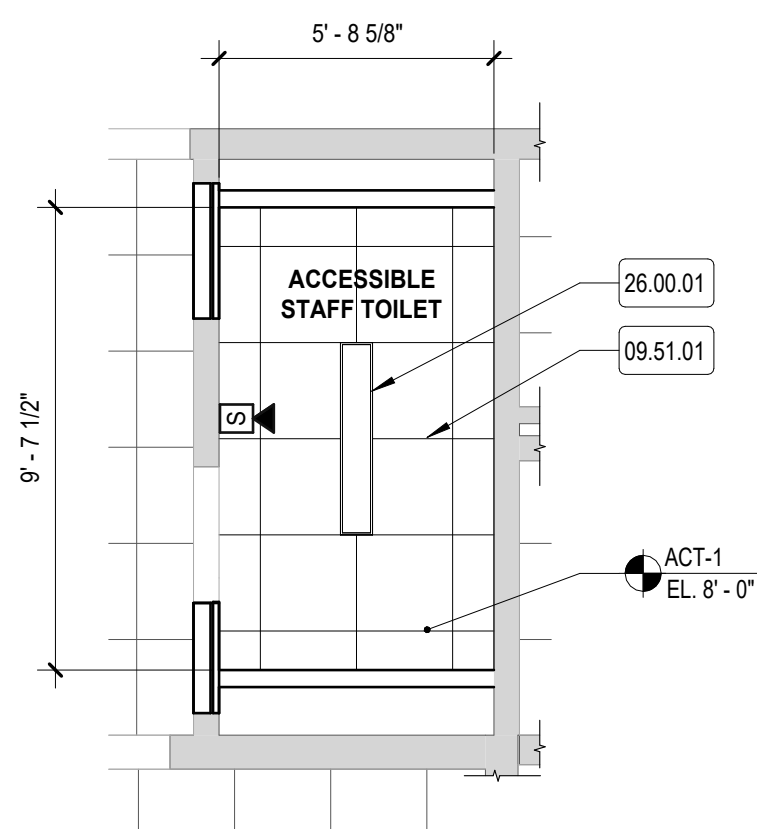
NEW CITIZEN'S CENTER

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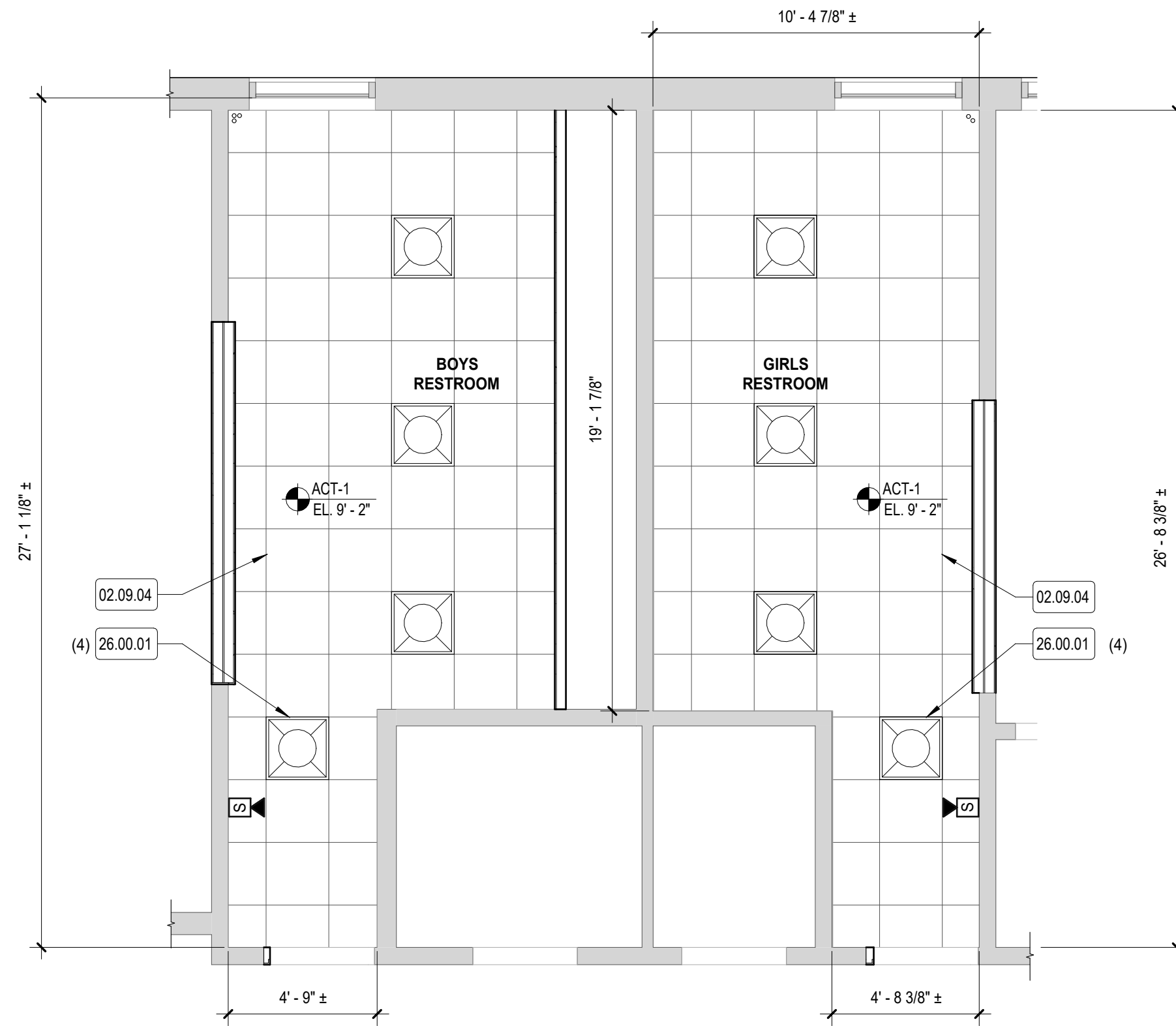
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4 RESTROOM CEILING PLAN
SCALE: 1/4" = 1'-0"

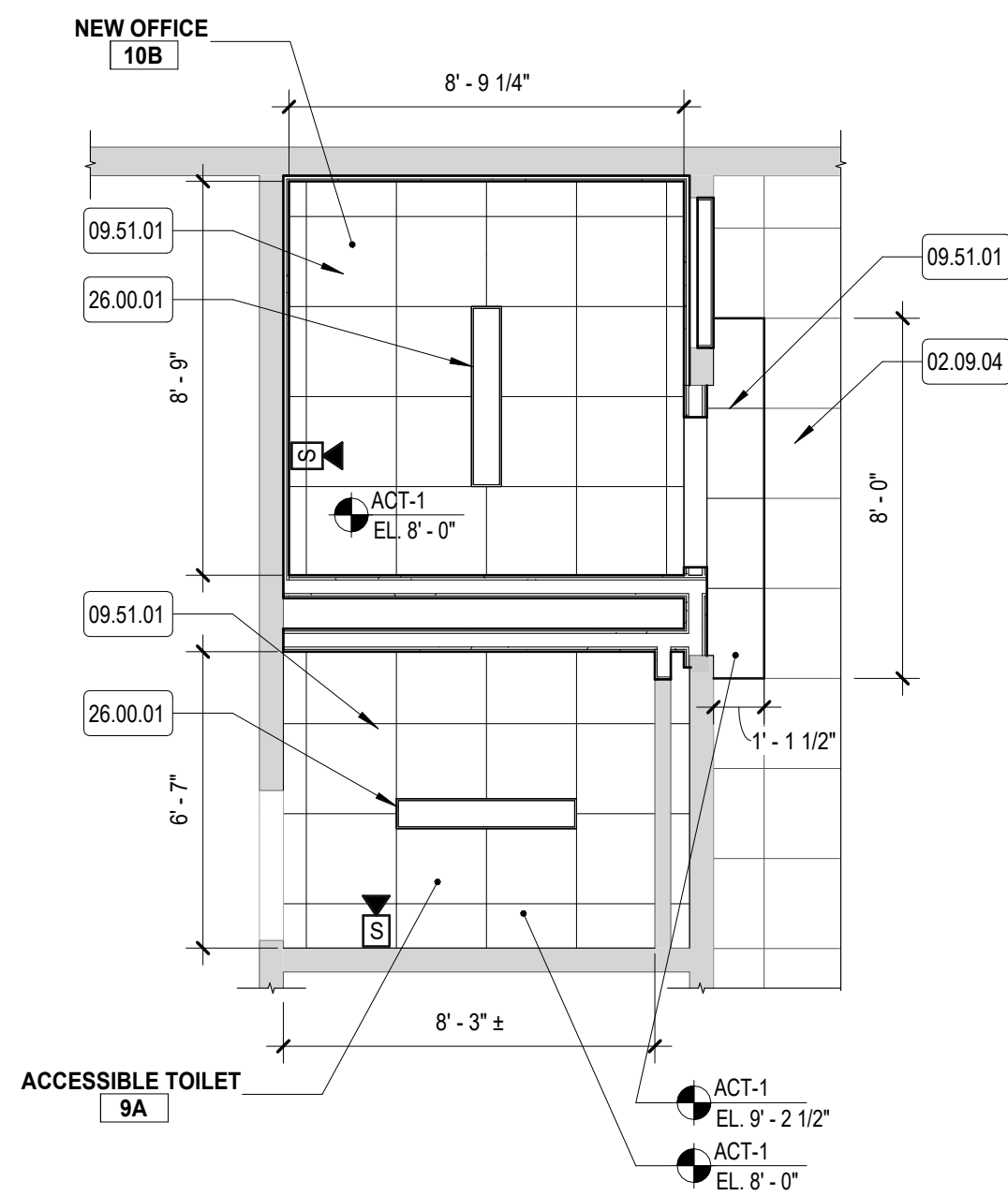


The ceiling plan for Restroom 4 shows a rectangular room. A scale bar at the bottom indicates a scale of 1/4" = 1'-0", with markings at 0, 2', 4', and 8'.



3 RESTROOMS CEILING PLAN

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

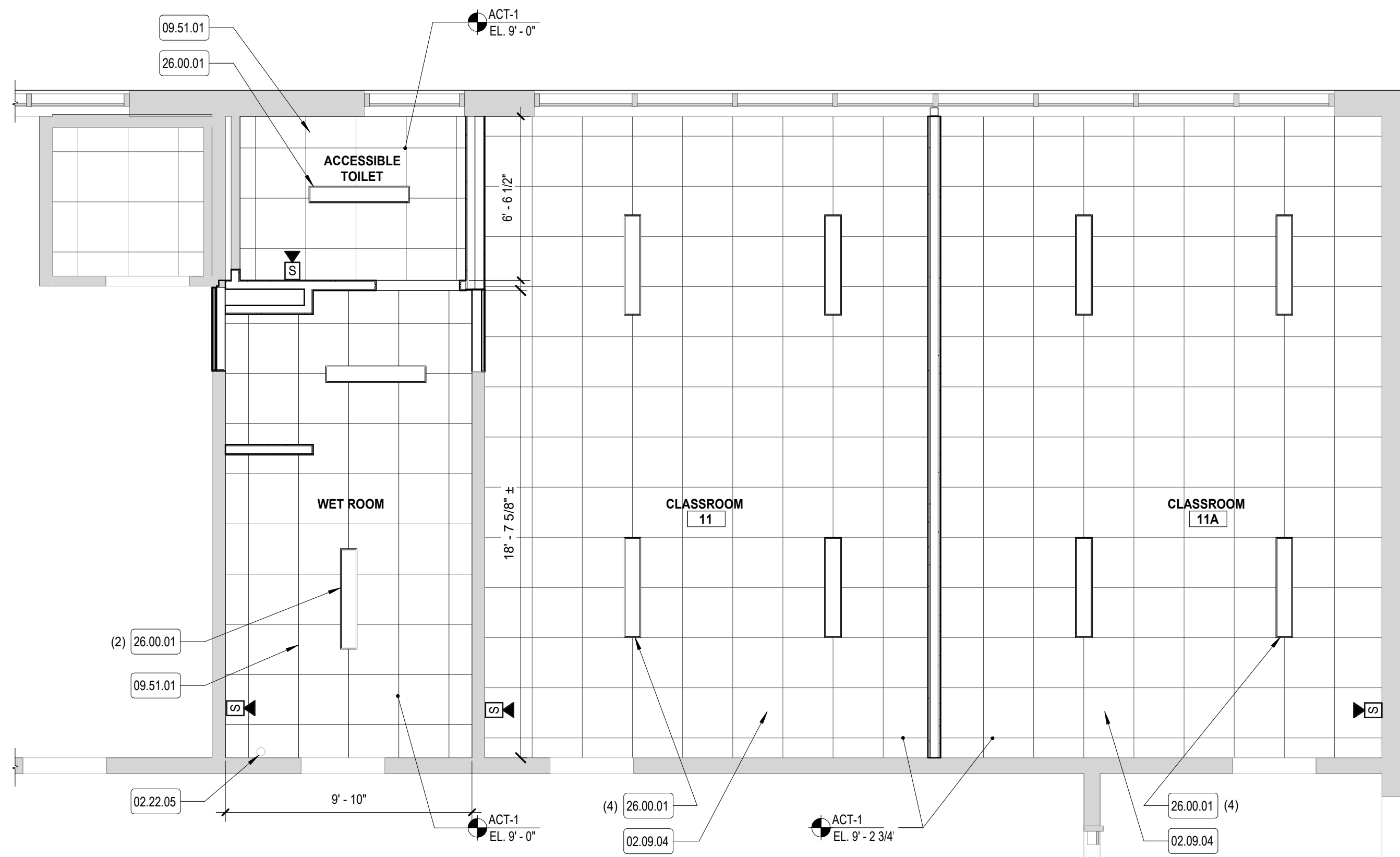


2 OFFICE & RESTROOM CEILING PLAN

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



0 2' 4' 8'



1 CLASSROOM & WET ROOM CEILING PLAN

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

0 2' 4' 8'

KEYNOTE LEGEND	
NUMBER	DESCRIPTION
02.09.04	EXISTING DROP CEILING TO REMAIN
02.22.05	EXISTING PIPING TO REMAIN
09.51.01	ACOUSTICAL PANEL CEILING
26.00.01	LIGHT FIXTURE, REFER TO ELECTRICAL BY [261]

CEILING PLAN LEGEND

ACT-1

CEILING MATERIAL

CEILING HEIGHT AFF

EL. X'-XX"

NEW
PTD HARD CEILING

EXISTING
HARD CEILING
REMAIN

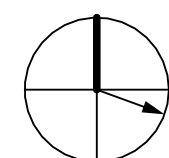
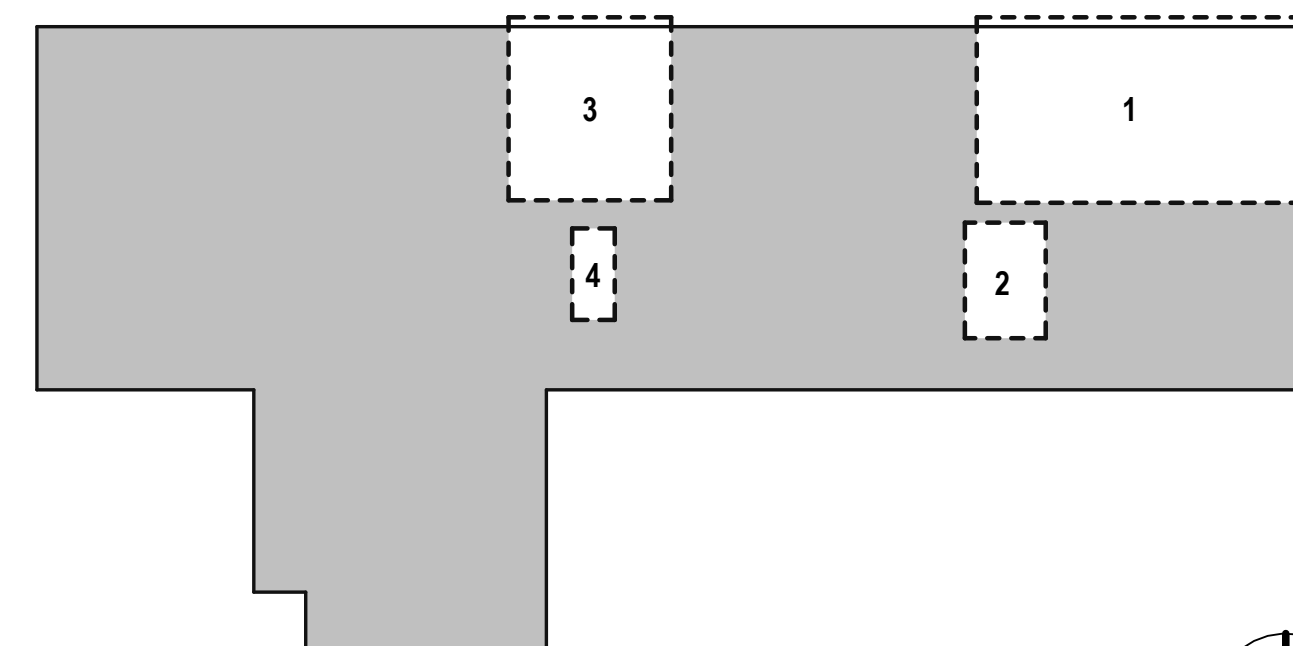
NEW
2' x 2' ACOUSTICAL
CEILING TILE

EXISTING
EXISTING 2'X2' ACOUSTICAL
CEILING TILE - TO REMAIN

LIGHT FIXTURE TYPES

<u>NEW</u>	<u>EXISTING</u>	
		1 X 1 LIGHT FIXTURE
		2 X 2 LIGHT FIXTURE
		1 X 4 LIGHT FIXTURE
		EMERGENCY LIGHT
		COMBINATION AUDIO/VISUAL ALARM

KEY PLAN (NOT TO SCALE)



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ADA RENOVATIONS

NEW CITIZEN'S CENTER

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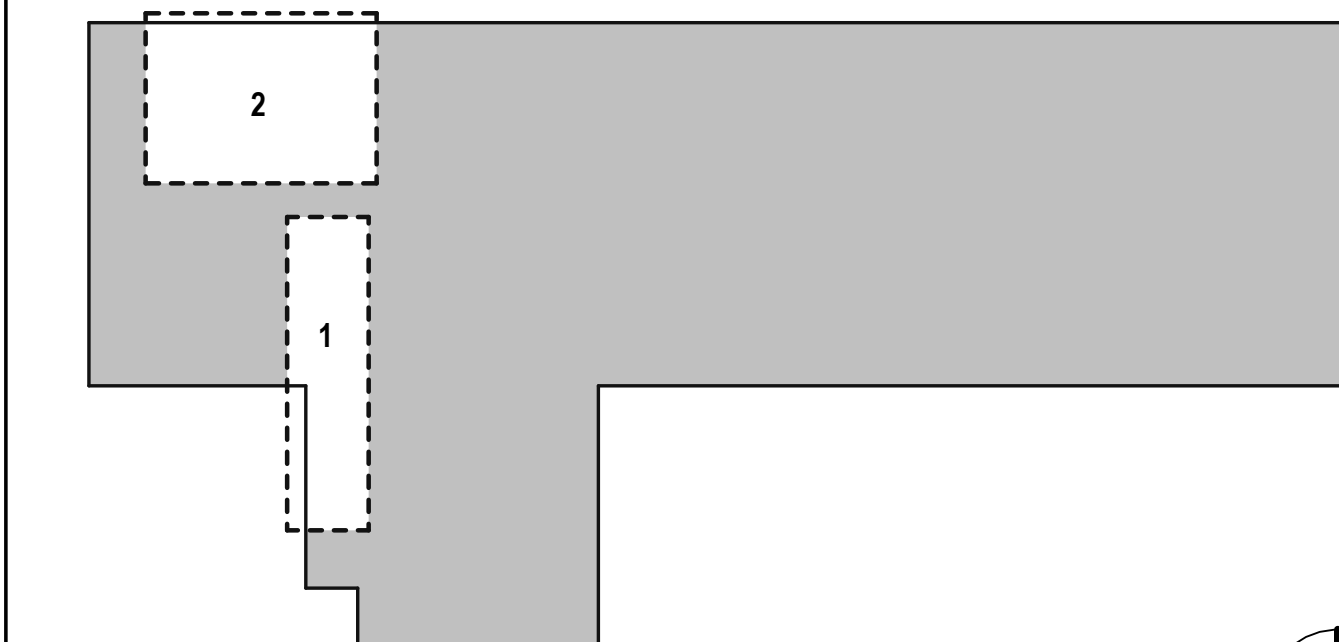
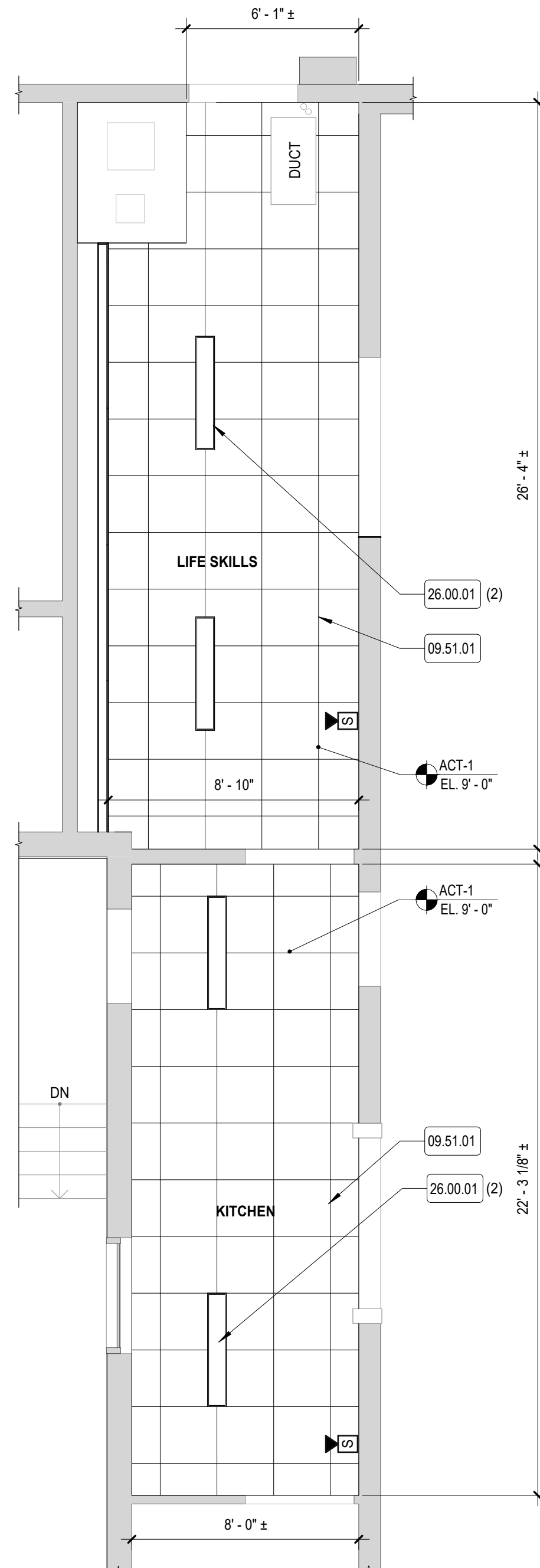
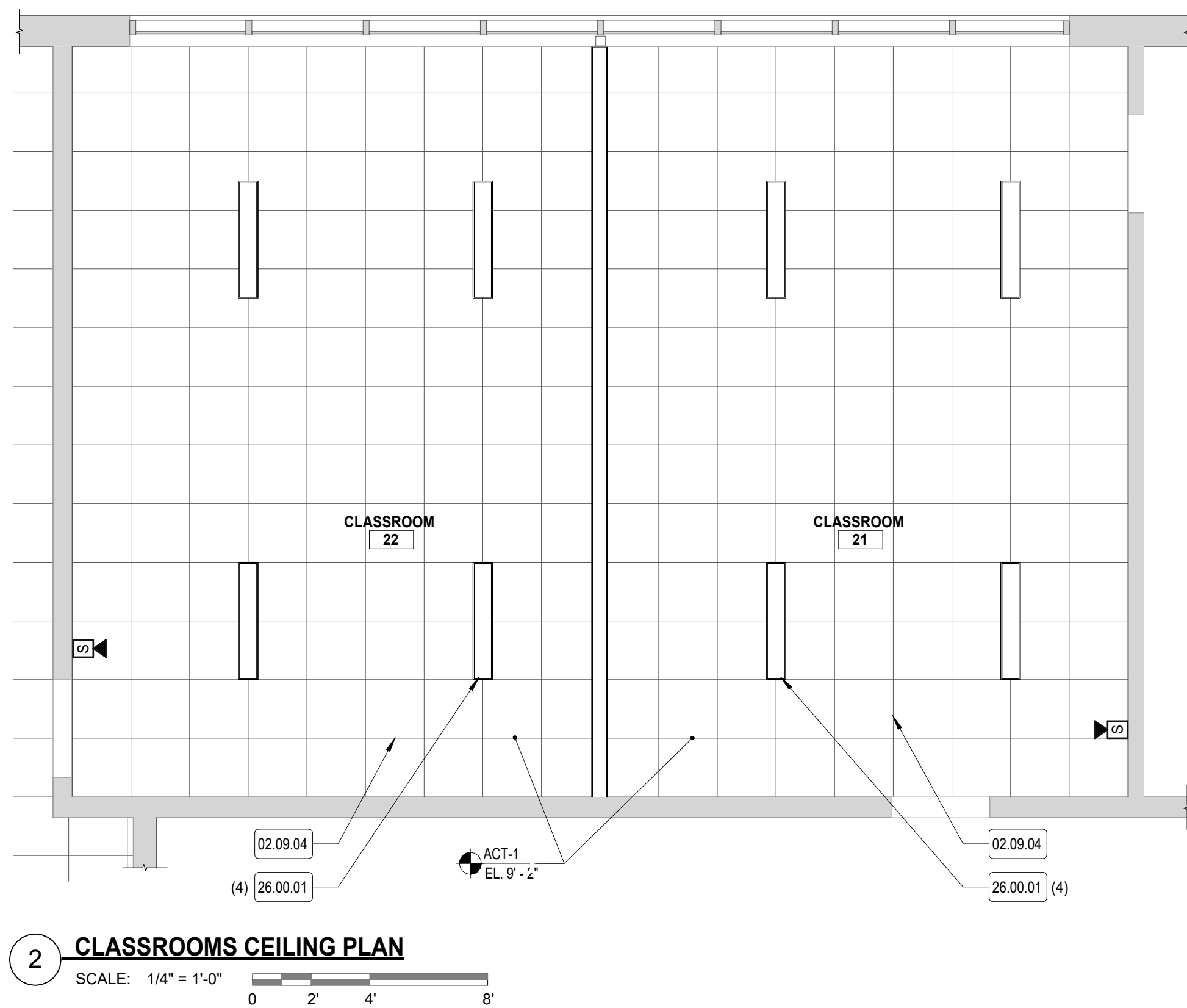
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PROJECT NO: 2430.05
DATE: 08/19/2026
SCALE: AS NOTED
DRAWN BY: JG / AR
CHECKED BY: TP / MB

ENLARGED FIRST FLOOR CEILING PLANS

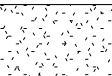
A-420

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KEYNOTE LEGEND	
NUMBER	DESCRIPTION
02.09.04	EXISTING DROP CEILING TO REMAIN
09.51.01	ACOUSTICAL PANEL CEILING
26.00.01	LIGHT FIXTURE, REFER TO ELECTRICAL BY [261]

CEILING PLAN LEGEND

	ACT-1		CEILING MATERIAL
	EL. X'-XX"		CEILING HEIGHT AFF
	<u>NEW</u>		
	PTD HARD CEILING		
	<u>EXISTING</u>		
	HARD CEILING REMAIN		
	<u>NEW</u>		
	2' x 2' ACOUSTIC CEILING TILE		
	<u>EXISTING</u>		
	EXISTING 2'X2' ACOUSTICAL CEILING TILE - TO REMAIN		

LIGHT FIXTURE TYPES

<u>NEW</u>	<u>EXISTING</u>	
		1 X 1 LIGHT FIXTURE
		2 X 2 LIGHT FIXTURE
		1 X 4 LIGHT FIXTURE
		EMERGENCY LIGHT
		COMBINATION AUDIO/VISUAL ALARM

[illegible]

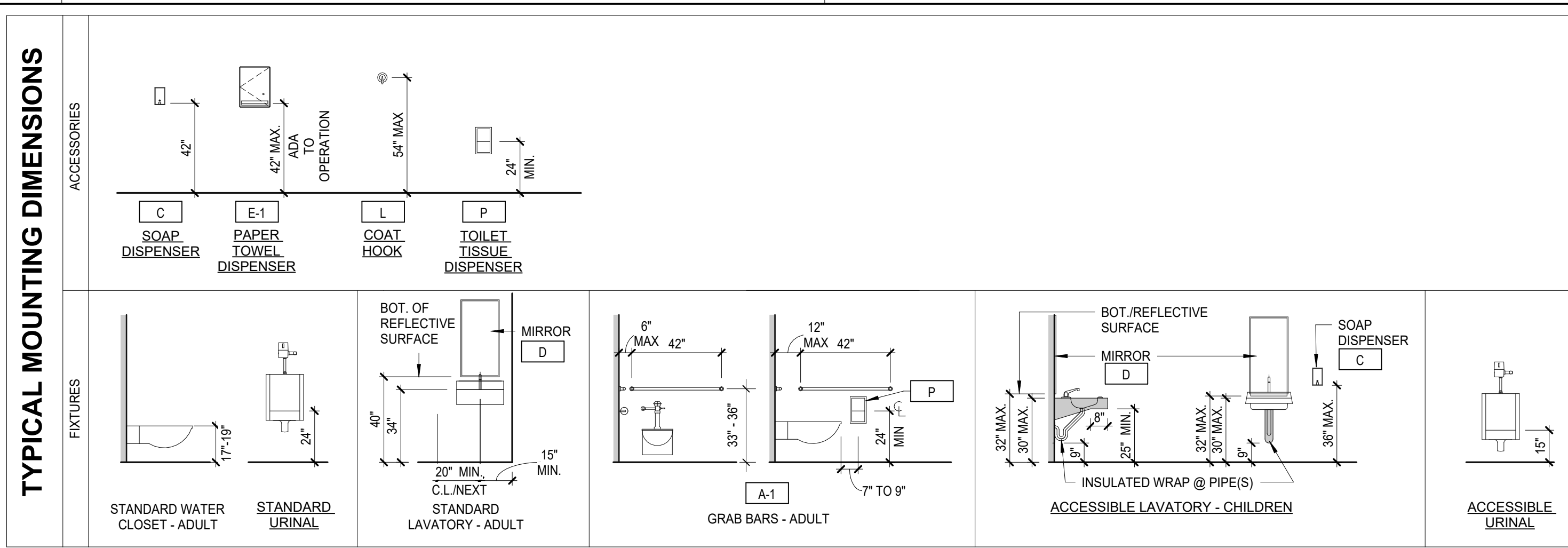
PROJECT NO: 2430.05
DATE: 08/19/2026
SCALE: AS NOTED
DRAWN BY: JG / AR
CHECKED BY: TP / MB

ENLARGED FIRST FLOOR CEILING PLANS

A-421

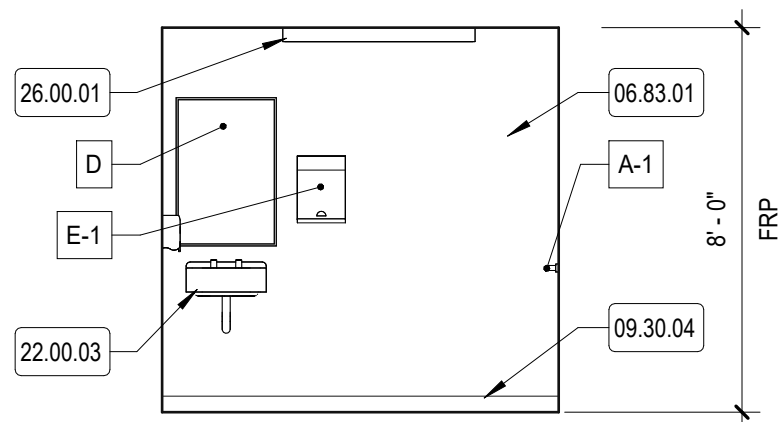
This Border is intended for a 22" x 34" sheet. If printed sheet size differs, refer to graphic bar scales only.

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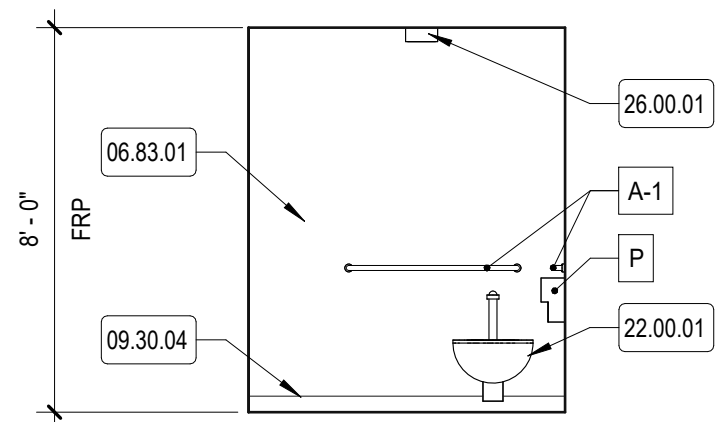


KEYNOTE LEGEND	
NUMBER	DESCRIPTION
02.04.04	EXISTING CMU WALL TO REMAIN
02.09.08	EXISTING PREFINISHED VINYL-COVERED GYPSUM TO REMAIN
02.22.05	EXISTING PIPING TO REMAIN
06.83.01	FIBERGLASS REINFORCED PANEL
08.14.01	WOOD DOOR, SEE DOOR SCHEDULE
09.30.04	QUARRY TILE COVE BASE
09.65.01	VINYL COVE BASE, REFER TO FINISH PLANS
09.90.01	PAINT FINISH REFER TO FINISH PLANS
22.00.01	WALL MOUNTED TOILET, REFER TO PLUMBING BY [221]
22.00.03	WALL MOUNTED LAVATORY, REFER TO PLUMBING BY [221]
22.00.17	WALL MOUNTED URINAL, REFER TO PLUMBING BY [221]
26.00.01	LIGHT FIXTURE, REFER TO ELECTRICAL BY [261]

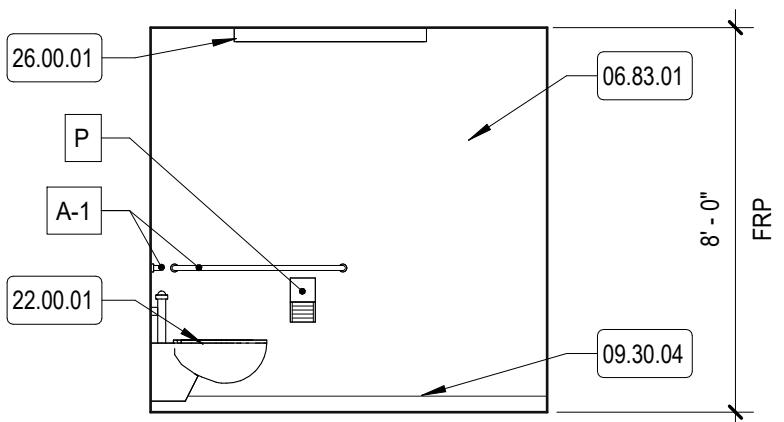
LEGEND		
TAG	ITEM DESCRIPTION	BY*
A-1	42" GRAB BARS	GC
C	SOAP DISPENSER	OFCI
D	MIRROR	GC
E-1	PAPER TOWEL DISPENSER	OFCI
K	ADULT PARTITION TOE CLEARANCE - 9"	GC
L	COAT HOOK	GC
P	TOILET PAPER DISPENSER	OFCI
GENERAL NOTES		
1) PROVIDE BLOCKING FOR WALL MOUNTED ACCESSORIES AS REQUIRED. REFER TO SPECIFICATIONS SECTION 06100 ROUGH CARPENTRY. * CFCI = CONTRACTOR FURNISHED CONTRACTOR INSTALLED OFCI = OWNER FURNISHED OWNER INSTALLED OFCI = OWNER FURNISHED CONTRACTOR INSTALLED CFCI = CONTRACTOR FURNISHED OWNER INSTALLED		



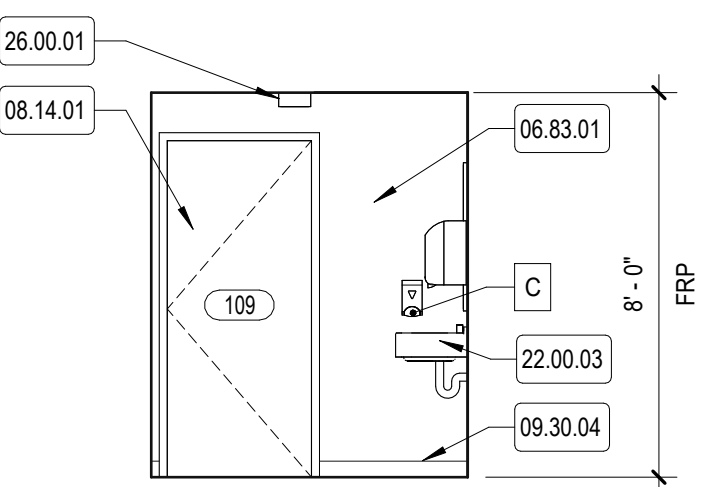
12 ACCESSIBLE TOILET 9A ELEVATION
SCALE: 1/4" = 1'-0"



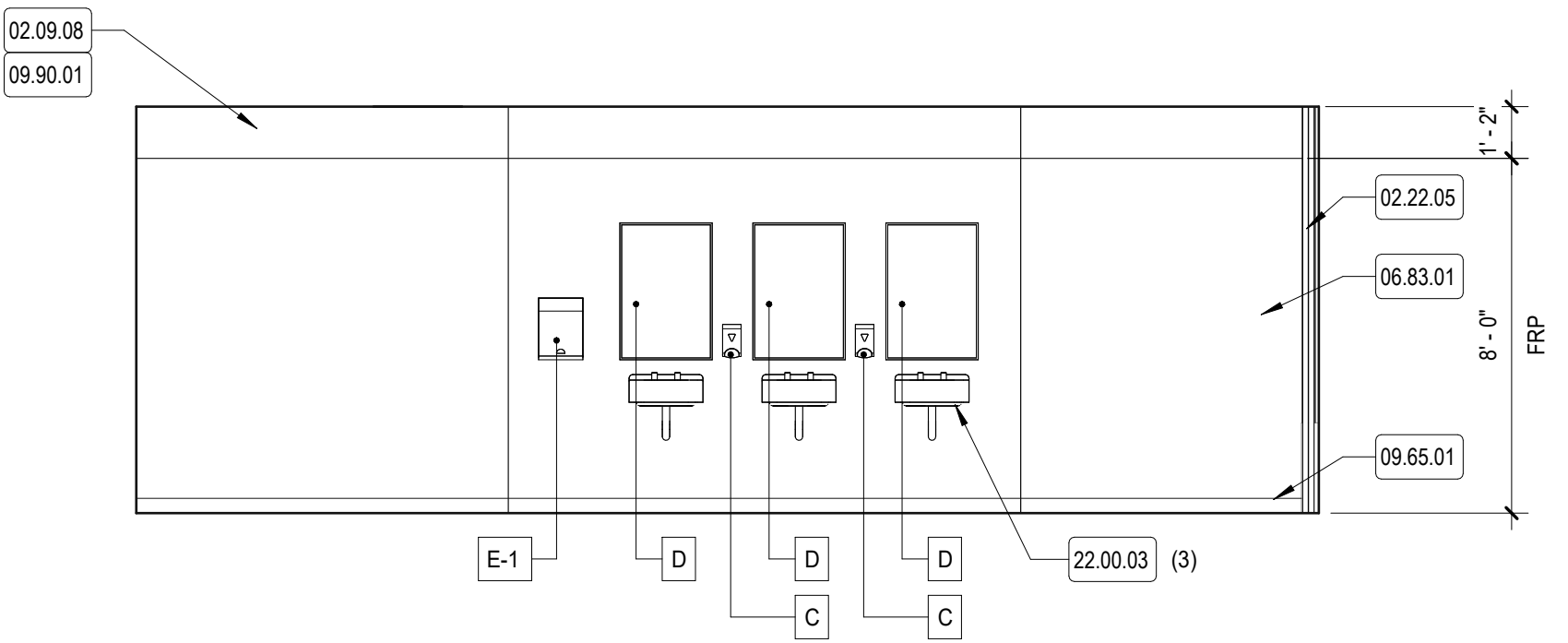
11 ACCESSIBLE TOILET 9A ELEVATION
SCALE: 1/4" = 1'-0" 



10 ACCESSIBLE TOILET 9A ELEVATION



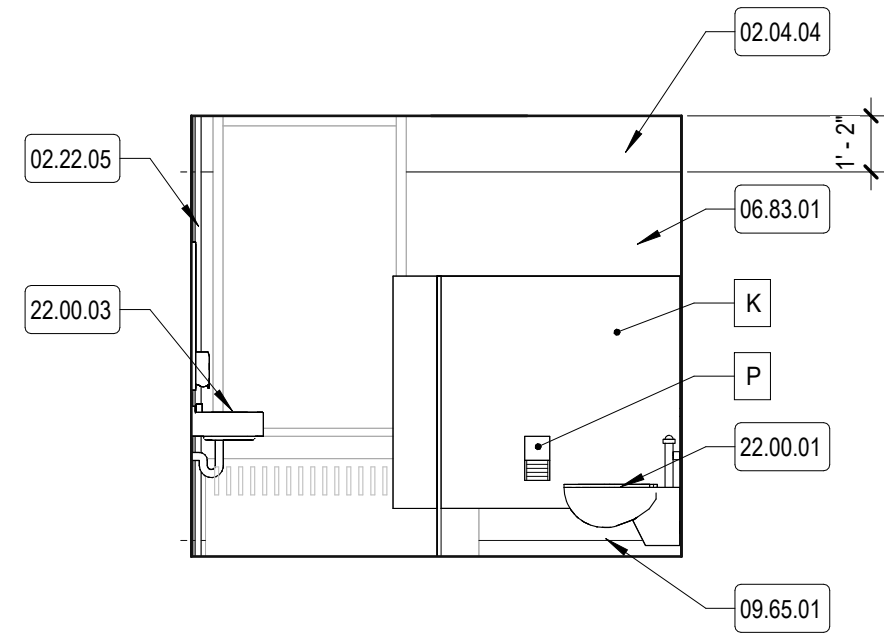
9 ACCESSIBLE TOILET 9A ELEVATION



8 BOYS RESTROOM ELEVATION

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

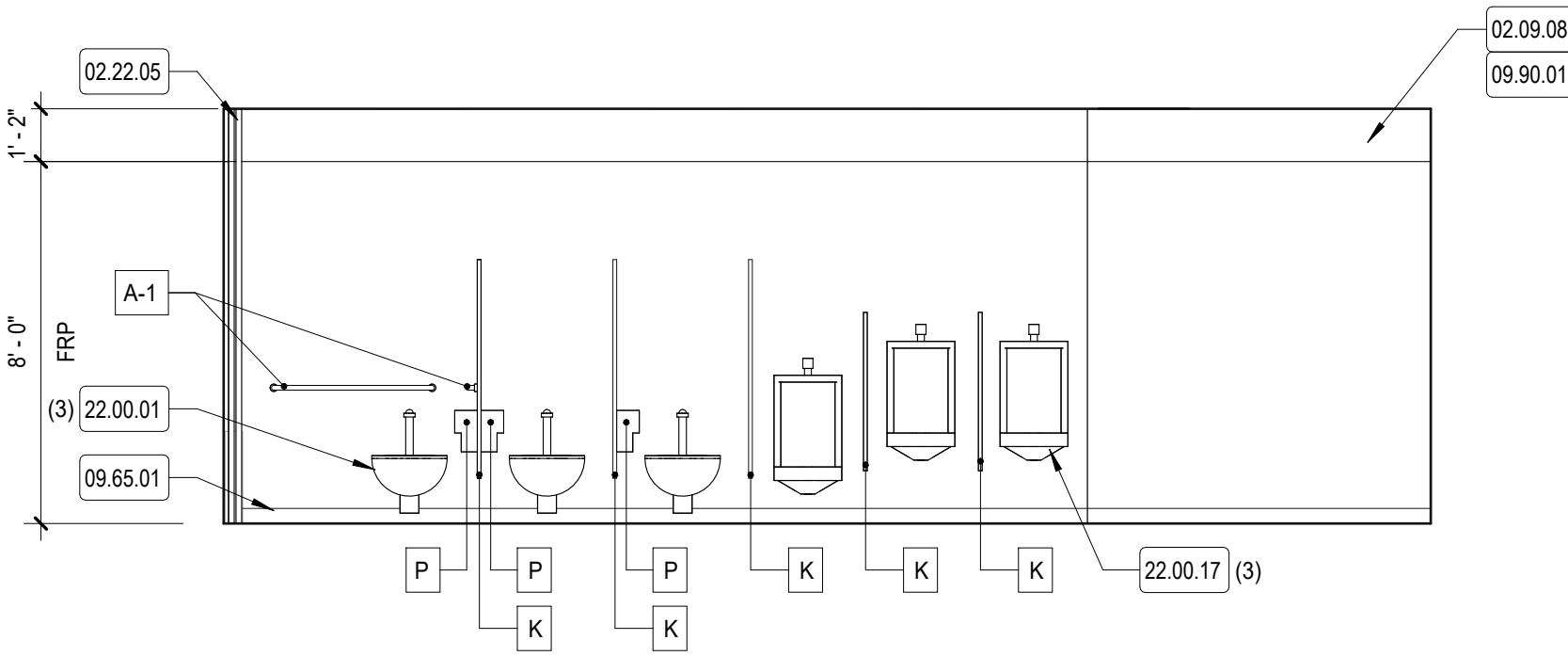
The elevation drawing shows a single door with a transom window and a larger window above it. The door is on the left, and the window is on the right. The drawing is oriented horizontally, with the door on the left and the window on the right. The scale bar indicates 0, 2', 4', and 8 feet.



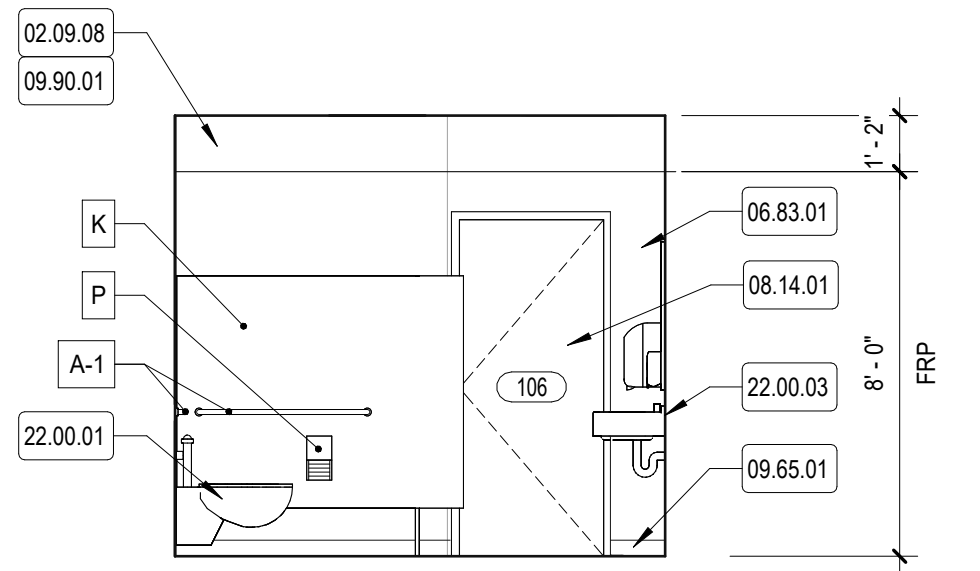
7 BOYS RESTROOM ELEVATION

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

The elevation drawing shows a single door with a transom window and a larger window above it. The door is on the left, and the window is on the right. The drawing is oriented horizontally, with the door on the left and the window on the right. The scale bar indicates 0, 2', 4', and 8'.



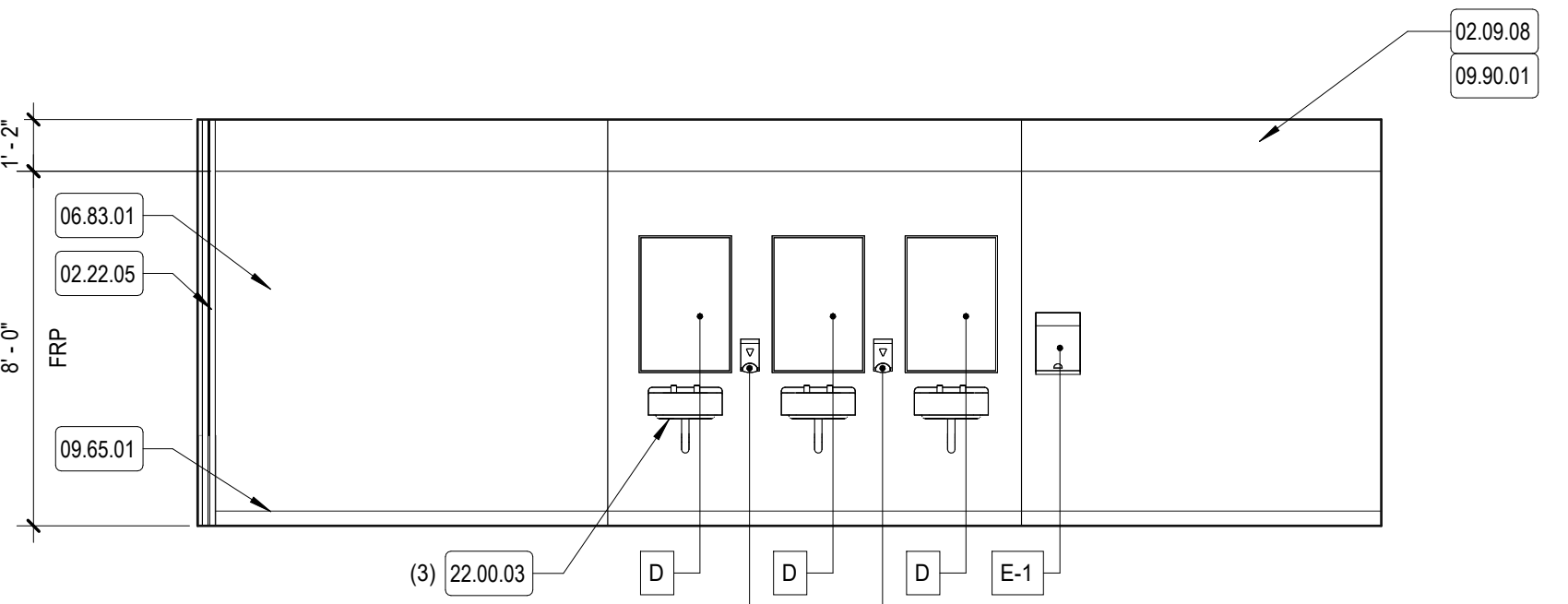
6 BOYS RESTROOM ELEVATION
SCALE: 1/4" = 1'-0"



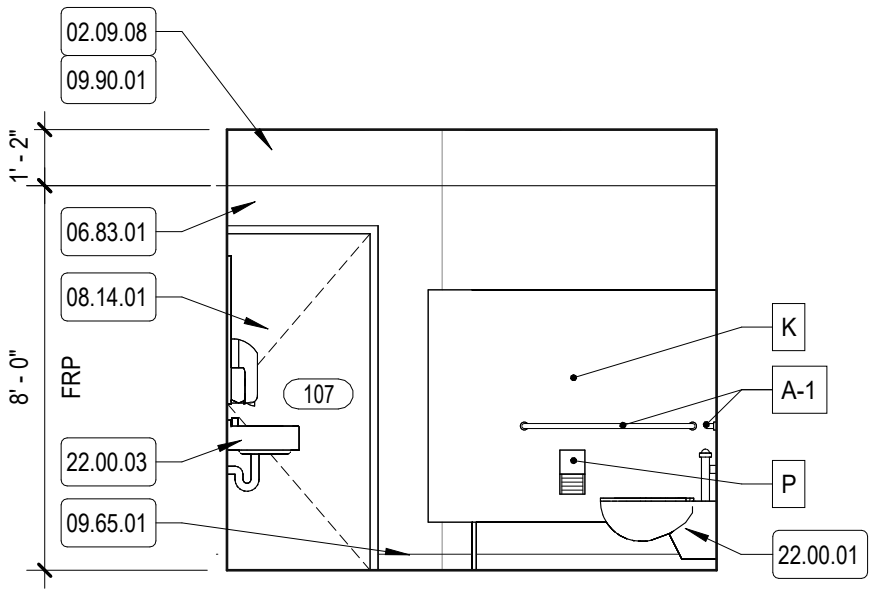
5 BOYS RESTROOM ELEVATION

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

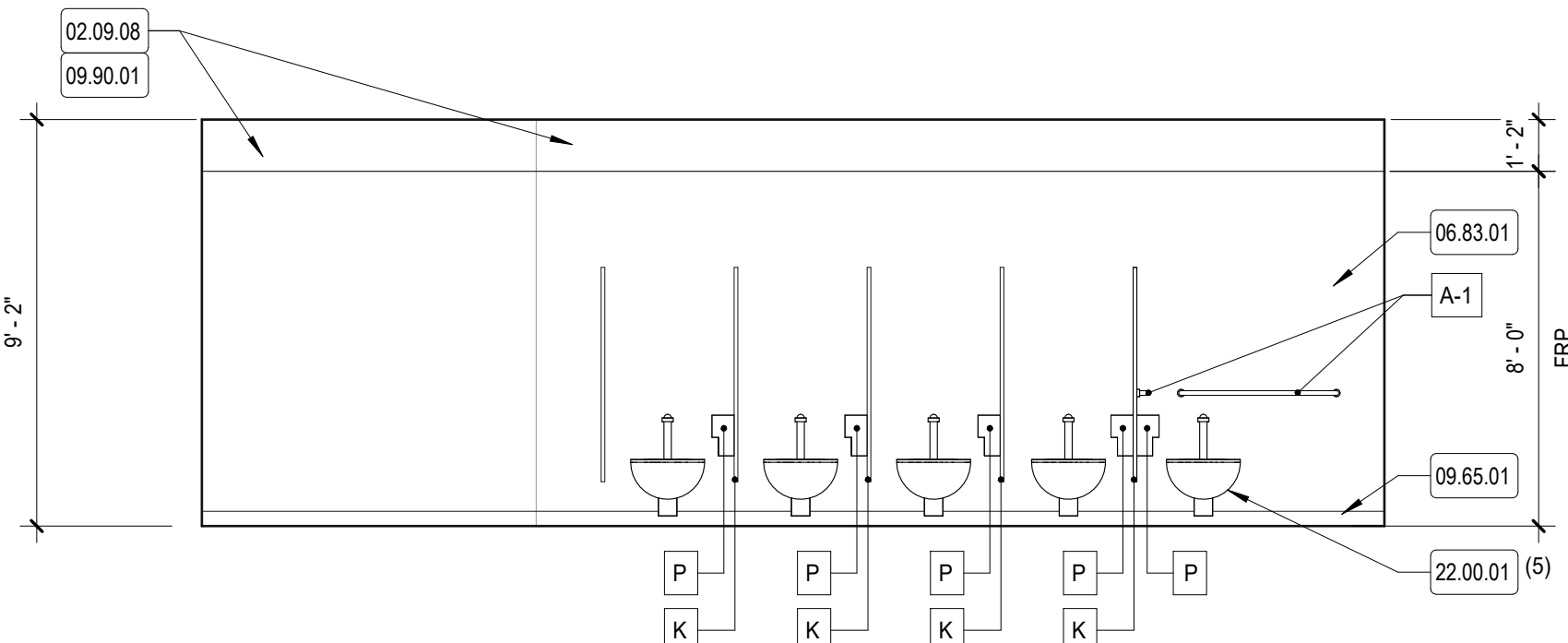
0 2' 4' 8'



4 GIRLS RESTROOM ELEVATION
SCALE: 1/4" = 1'-0"



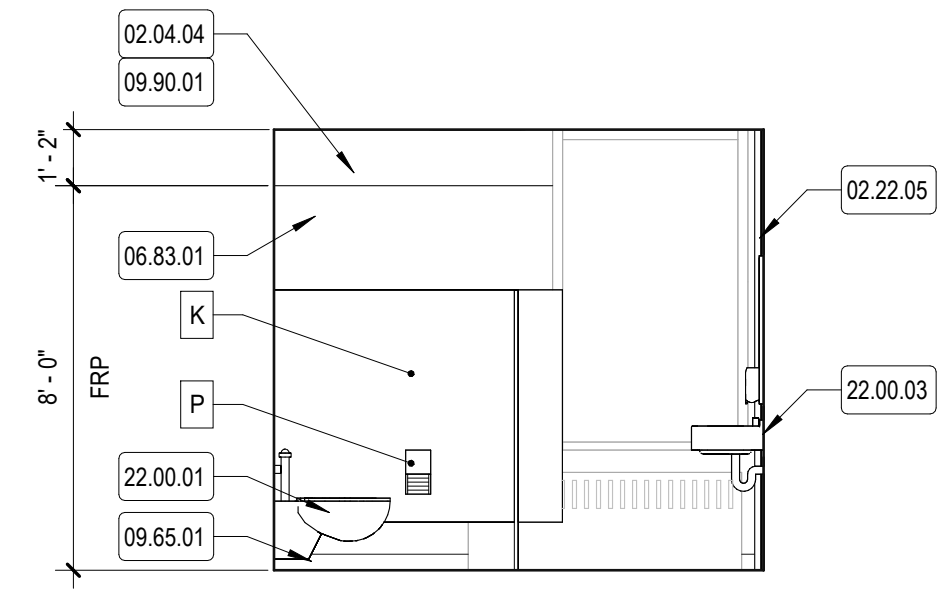
3 GIRLS RESTROOM ELEVATION
SCALE: 1/4" = 1'-0"



2 GIRLS RESTROOM ELEVATION

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

0 2' 4'



1 GIRLS RESTROOM ELEVATION
SCALE: 1/4" = 1'-0"

H&A
150 LONGWATER DR
NORWELL, MA 02061
43 HARVARD ST
WORCESTER, MA 01609
781.871.9804
habeeb@arc.com



ADA RENOVATIONS

NEW CITIZEN'S CENTER

1407A MAIN STREET
WORCESTER, MA 01603

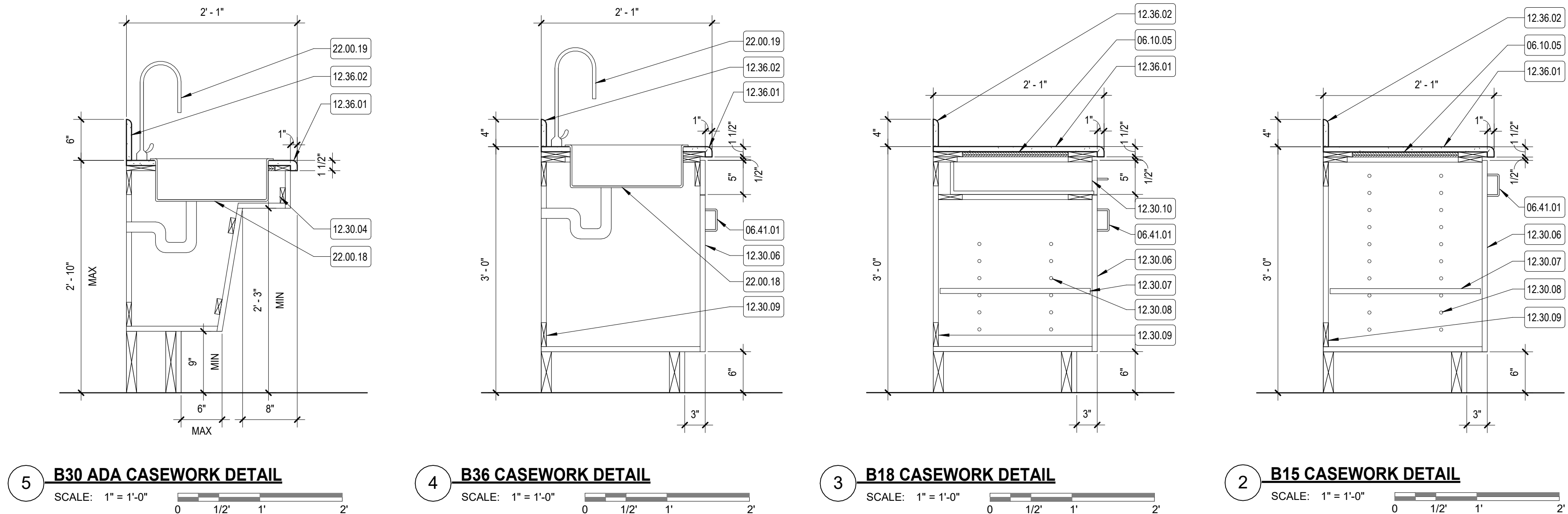
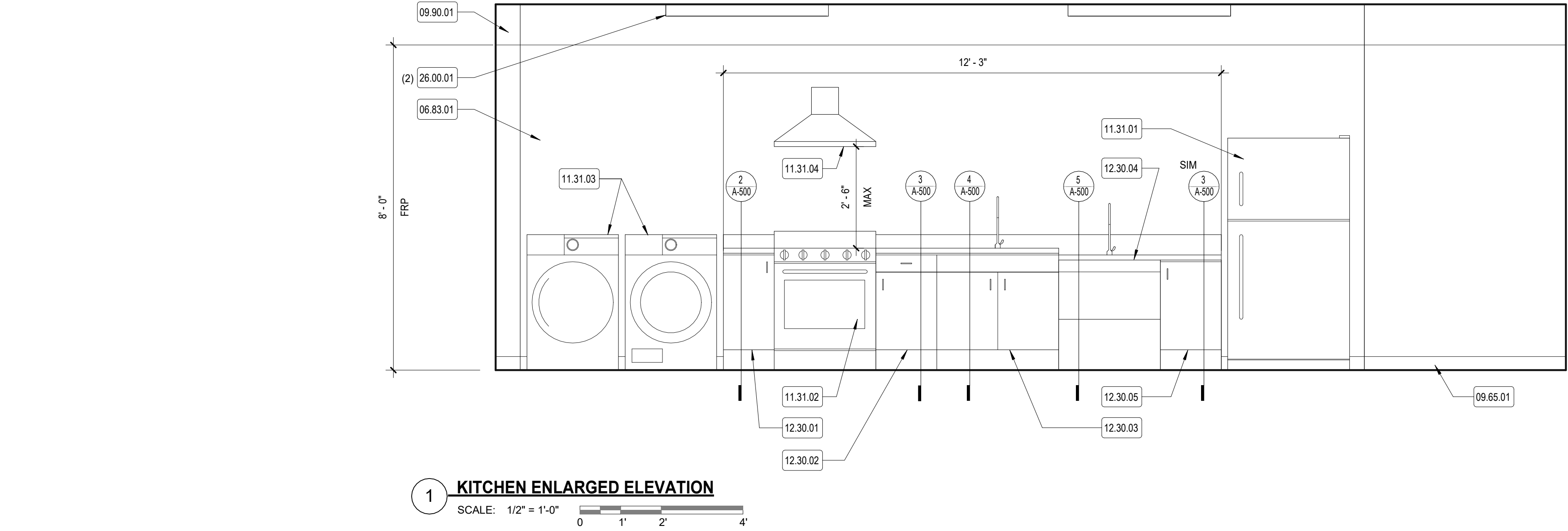
[illegible]

PROJECT NO: 2430.05
DATE: 08/19/2026
SCALE: AS NOTED
DRAWN BY: JG
CHECKED BY: TP / MB

ENLARGED
ELEVATIONS

A-430

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KEYNOTE LEGEND	
NUMBER	DESCRIPTION
06.10.05	PLYWOOD SHEATHING
06.41.01	PULL
06.83.01	FIBERGLASS REINFORCED PANEL
09.65.01	VINYL COVE BASE, REFER TO FINISH PLANS
09.90.01	PAINT FINISH REFER TO FINISH PLANS
11.31.01	REFRIGERATOR, OWNER SUPPLIED & OWNER INSTALLED
11.31.02	ELECTRIC RANGE, OWNER SUPPLIED & OWNER INSTALLED
11.31.03	WASHER & DRYER, OWNER SUPPLIED & OWNER INSTALLED
11.31.04	RANGE HOOD, OWNER SUPPLIED & GC INSTALLED
12.30.01	BASE 15" CASEWORK
12.30.02	BASE 18" CASEWORK
12.30.03	BASE 36" SINK CASEWORK
12.30.04	BASE 30" ADA SINK CASEWORK
12.30.05	BASE 18" ADA CASEWORK
12.30.06	CASEWORK DOOR
12.30.07	CASEWORK SHELVING
12.30.08	ADJUSTABLE SHELF SUPPORT CLIPS
12.30.09	WOOD FRAMING
12.30.10	CASEWORK DRAWER
12.36.01	LAMINATE COUNTERTOP
12.36.02	LAMINATE BACKSPASH
22.00.18	DROP-IN SINK, REFER TO PLUMBING BY [221]
22.00.19	SINGLE HANDLED FAUCET, REFER TO PLUMBING BY [221]
26.00.01	LIGHT FIXTURE, REFER TO ELECTRICAL BY [261]

REVISIONS		
Δ	MM-DD-YYYY	DESCRIPTION

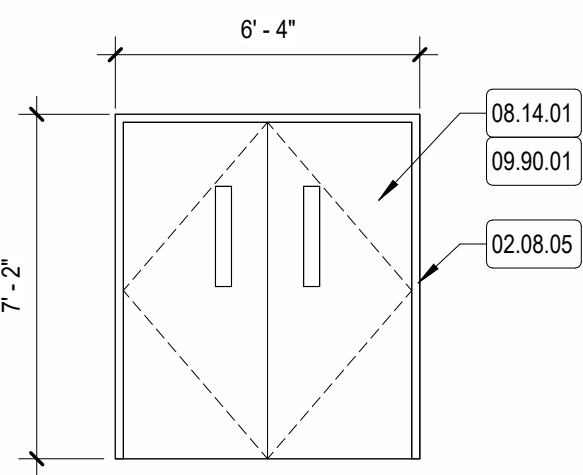
PROJECT NO:	2430.05
DATE:	08/19/2026
SCALE:	AS NOTED
DRAWN BY:	JG
CHECKED BY:	TP / MB

KITCHEN ELEVATIONS
& DETAILS

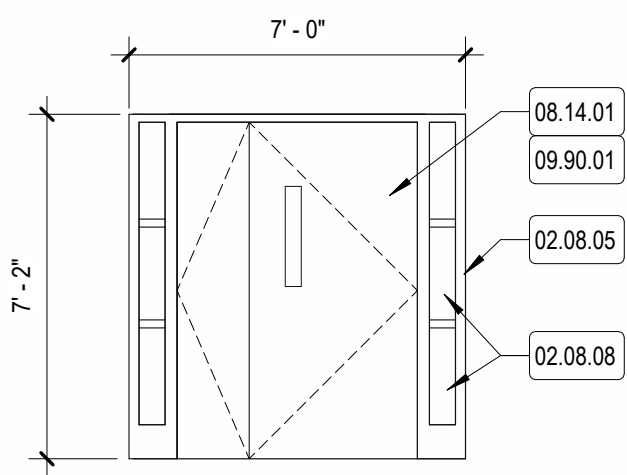
A-500

ADA RENOVATIONS
NEW CITIZEN'S CENTER
1407A MAIN STREET
WORCESTER, MA 01603

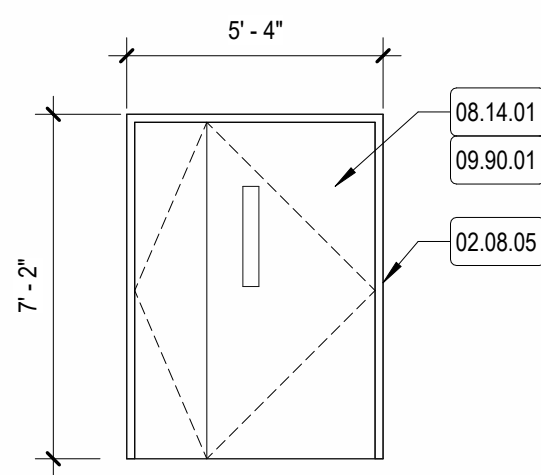
HABEEB & ASSOCIATES
H&A ARCHITECTS
150 LONGWATER DR
NORWELL, MA 02061
43 HARVARD ST
WORCESTER, MA 01609
781.871.8844
habeebard.com



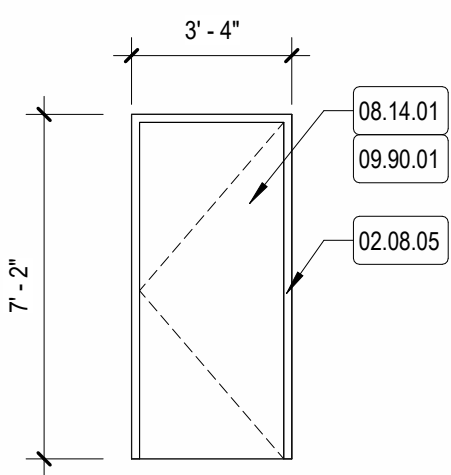
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C

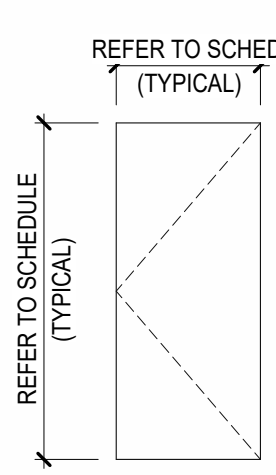


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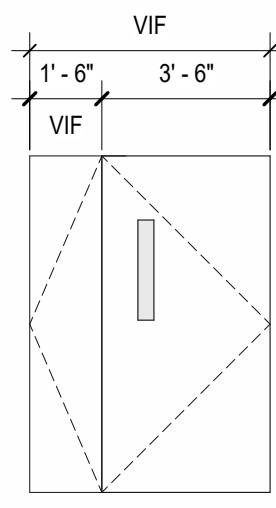


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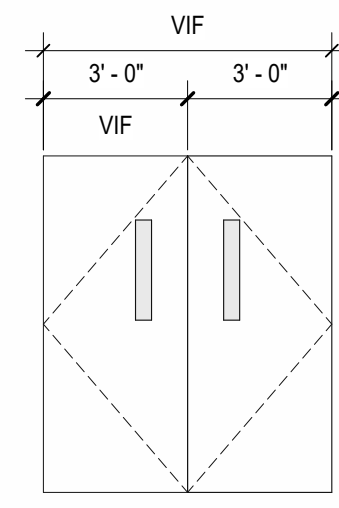
10 FRAME / OPENING TYPES
SCALE: 1/4" = 1'-0"



F
FLUSH

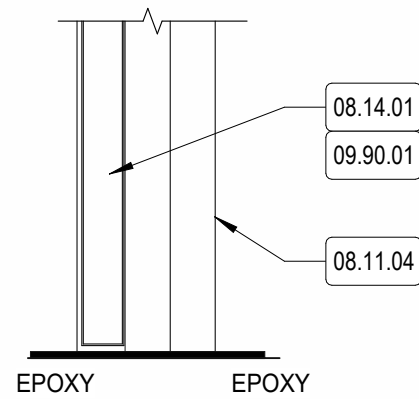


UN
UNEQUAL
NARROW LITE

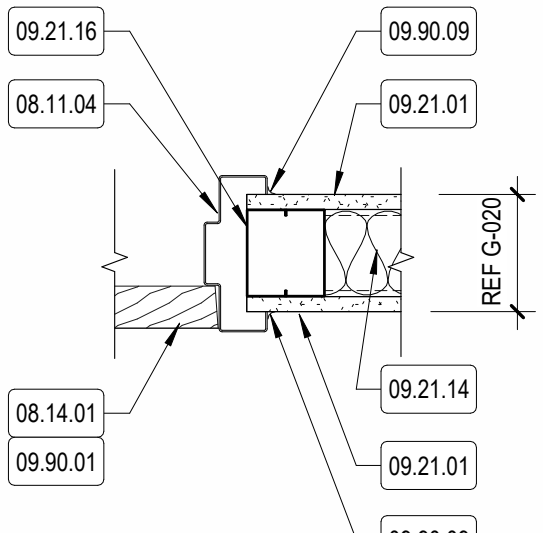


DN
DOUBLE
NARROW LITE

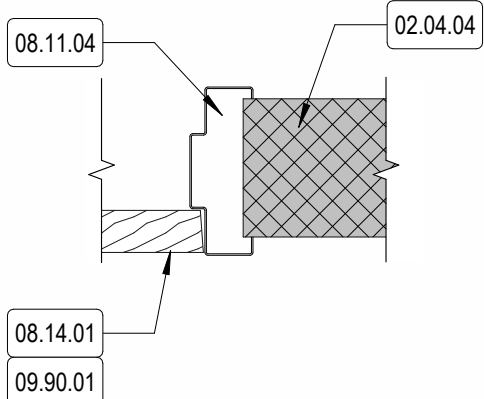
1 DOOR PANEL TYPES
SCALE: 1/4" = 1'-0"



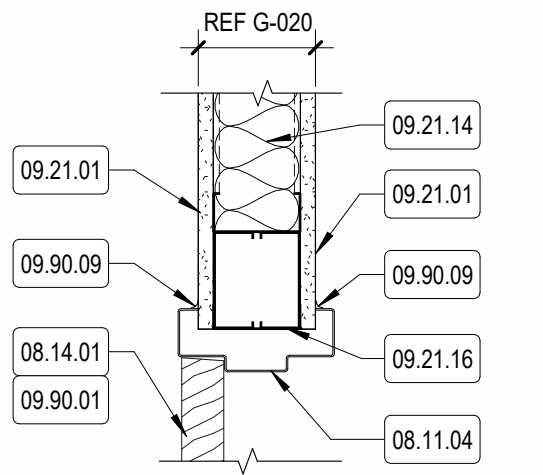
9 TYP HM INTERIOR SILL - EPX
SCALE: 1 1/2" = 1'-0"



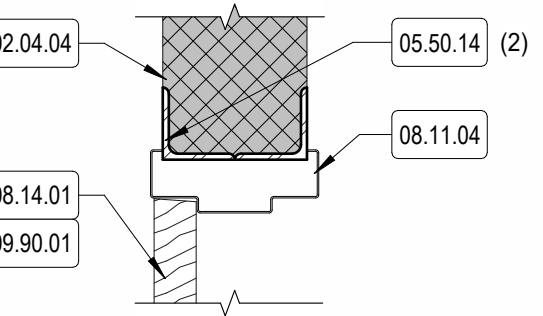
6 TYP HM JAMB @ TYPE 1A/2A
SCALE: 1 1/2" = 1'-0"



3 TYP HM JAMB @ CMU WALL
SCALE: 1 1/2" = 1'-0"



7 TYP HM HEAD @ TYPE 1A/2A
SCALE: 1 1/2" = 1'-0"



4 TYP HM HEAD @ CMU WALL
SCALE: 1 1/2" = 1'-0"

KEYNOTE LEGEND

NUMBER	DESCRIPTION
02.04.04	EXISTING CMU WALL TO REMAIN
02.08.05	EXISTING HOLLOW METAL FRAME TO REMAIN
02.08.08	EXISTING GLAZING TO REMAIN
05.50.14	L3x3x1/4 LLV
08.11.04	HOLLOW METAL FRAME
08.14.01	WOOD DOOR, SEE DOOR SCHEDULE
09.21.01	GYPSPUM WALLBOARD (GB)
09.21.14	SOUND ATTENUATION BLANKET
09.21.16	DOUBLE METAL STUD AT HEAD, TYP
09.90.01	PAINT FINISH REFER TO FINISH PLANS
09.90.09	INTERIOR CAULKING, BOTH SIDES.

DOOR AND FRAME SCHEDULE

MARK	LOCATION	OPENING		DOOR PANEL			LITE MATERIAL	DOOR PANEL THICK	HDWE SET	FRAME				FIRE RATING	COMMENTS	CURRENT REVISION
										FRAME TYPE	MATL	DETAILS				
		WIDTH	HEIGHT	PANEL WIDTH	PANEL 2 WIDTH	TYPE		MATL	HEAD			JAMB	SILL			
001	HALLWAYBASEMENT TOILET	3'- 0"	7'- 0"	3'- 0"	----	F	WD	----	1 3/4"	5	A	HM	4/A-601	3/A-601	8/A-601	
101	MULTIPURPOSE ROOM	5'- 0"	7'- 0"	3'- 6"	1'- 6"	UN	WD	GLASS	1 3/4"	3	B	EXISTING	4/A-601	3/A-601	5/A-601	
102	LOBBY	5'- 0"	7'- 0"	3'- 6"	1'- 6"	UN	WD	GLASS	1 3/4"	3	B	EXISTING	4/A-601	3/A-601	5/A-601	
103	ACCESSIBLE STAFF TOILET	2'- 6"	7'- 0"	2'- 6"	----	F	WD	----	1 3/4"	5	A	HM	4/A-601	6/A-601	8/A-601	
104	LOBBY	5'- 0"	7'- 0"	3'- 6"	1'- 6"	UN	WD	GLASS	1 3/4"	3	B	EXISTING	4/A-601	3/A-601	5/A-601	
105	LIFE SKILLS	6'- 0"	7'- 0"	3'- 0"	----	DN	WD	GLASS	1 3/4"	2	D	EXISTING	4/A-601	3/A-601	8/A-601	
106	BOYS RESTROOM	3'- 0"	7'- 0"	3'- 0"	----	F	WD	----	1 3/4"	4	A	HM	4/A-601	3/A-601	8/A-601	
107	GIRLS RESTROOM	3'- 0"	7'- 0"	3'- 0"	----	F	WD	----	1 3/4"	4	A	HM	4/A-601	3/A-601	8/A-601	
108	CORRIDOR	5'- 0"	7'- 0"	3'- 6"	1'- 6"	UN	WD	GLASS	1 3/4"	3	C	EXISTING	4/A-601	3/A-601	5/A-601	
109	9A ACCESSIBLE TOILET	3'- 0"	7'- 0"	3'- 0"	----	F	WD	----	1 3/4"	5	A	HM	4/A-601	3/A-601	8/A-601	
110	NEW OFFICE	3'- 0"	7'- 0"	3'- 0"	----	F	WD	----	1 3/4"	1	A	HM	7/A-601	6/A-601	5/A-601	
112	WET ROOM	3'- 0"	7'- 0"	3'- 0"	----	F	WD	----	1 3/4"	5	A	HM	7/A-601	6/A-601	9/A-601	

ADA RENOVATIONS
NEW CITIZEN'S CENTER
1407A MAIN STREET
WORCESTER, MA 01603

REVISIONS		
Δ	MM-DD-YYYY	DESCRIPTION

PROJECT NO: 2430.05
DATE: 08/19/2026
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CHECKED BY: Checker

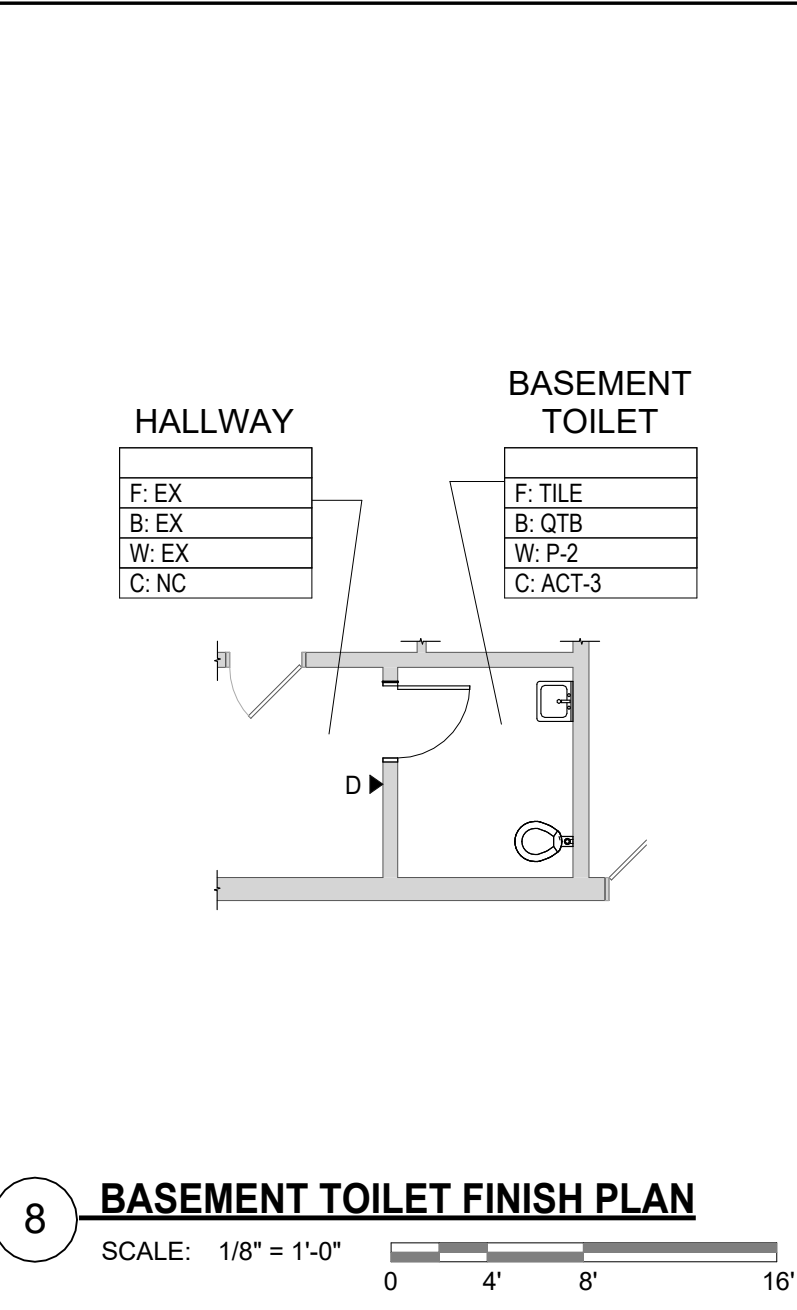
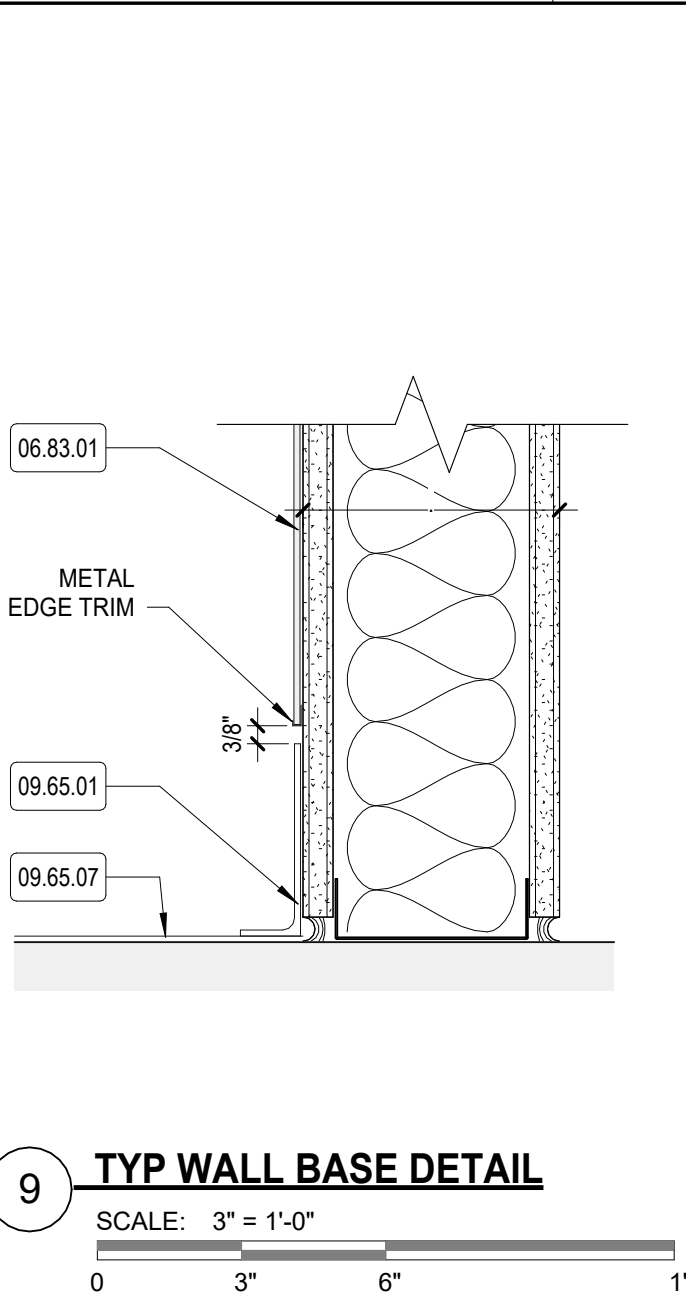
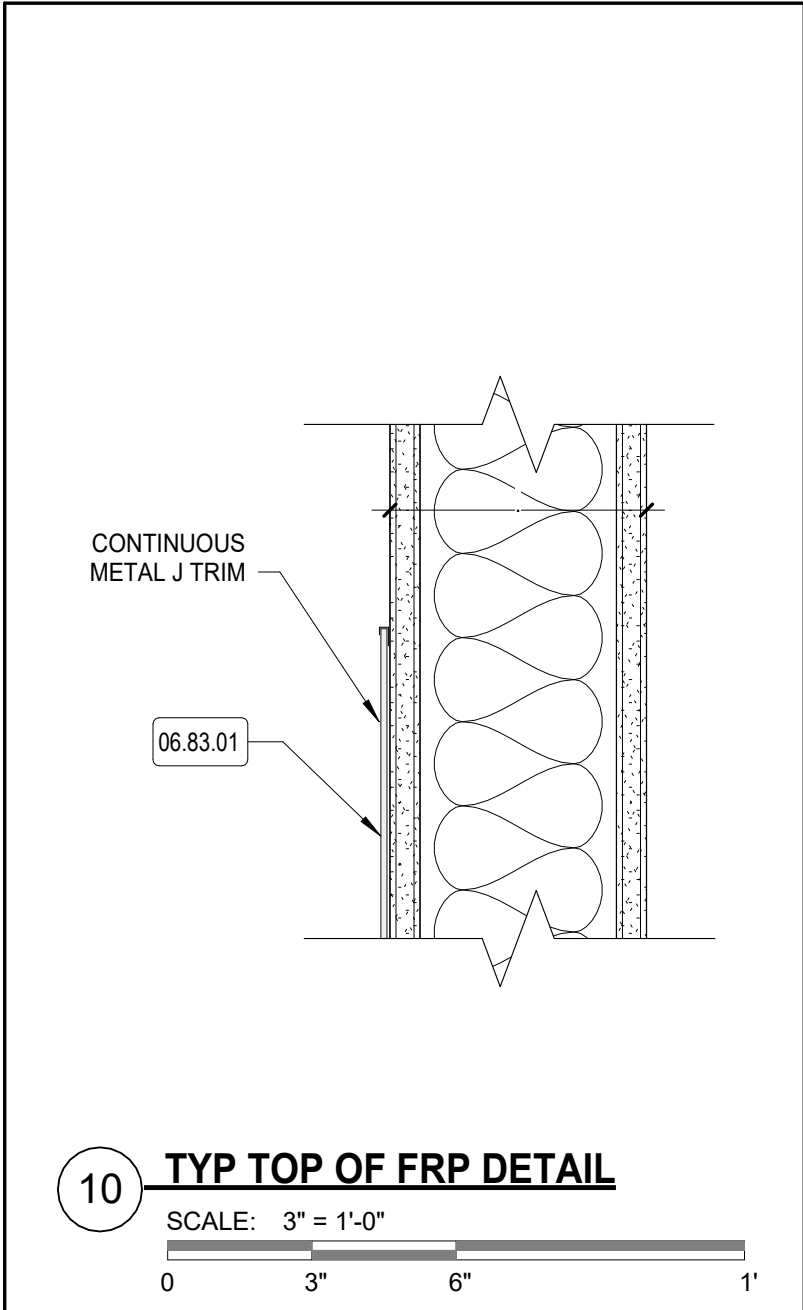
DOOR SCHEDULE

A-601

HABEEB & ASSOCIATES
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150 LONGWATER DR
NORWELL, MA 02061
43 HARVARD ST
WORCESTER, MA 01609
781.871.9894
habeebandco.com

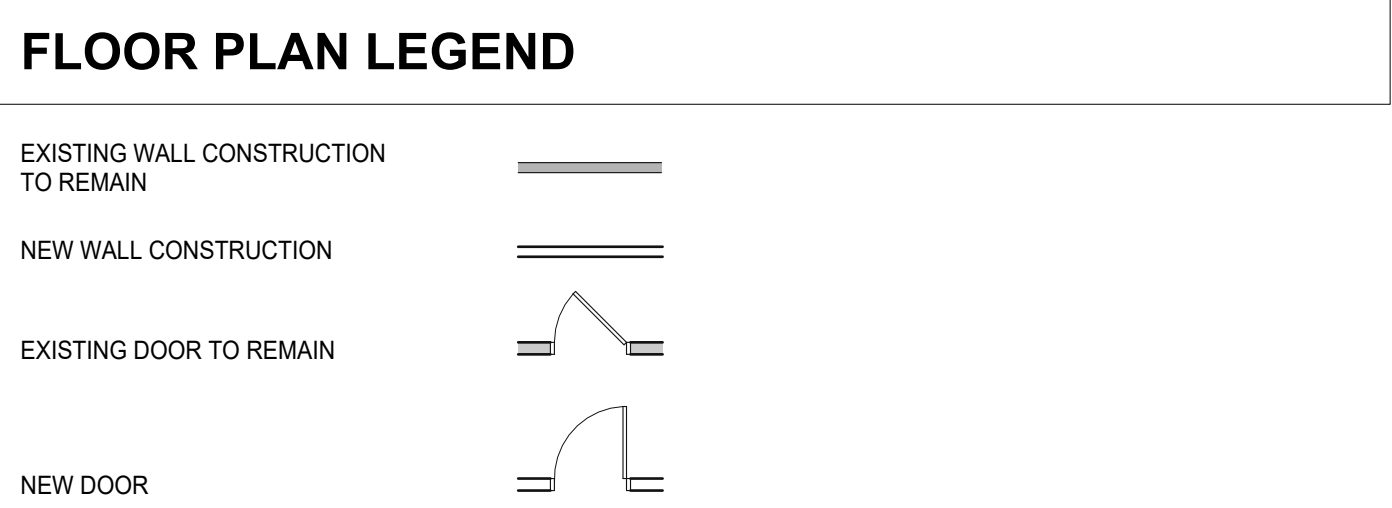
This Border is intended for a 22" x 34" sheet. If printed sheet size differs, refer to graphic bar scales only.

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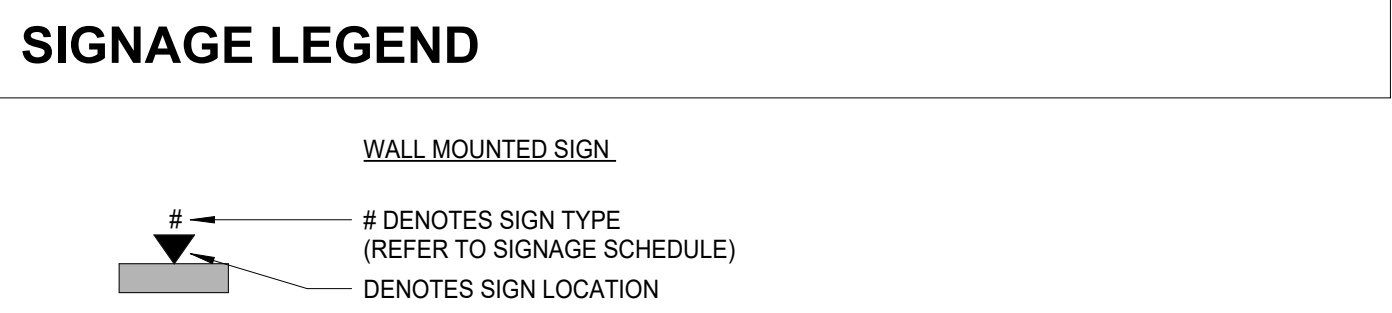


ROOM FINISH SCHEDULE							
LEVEL	ROOM #	ROOM NAME	FLOORS	WALLS	BASE	CEILING	CEILING HEIGHT
BASEMENT		BASEMENT TOILET	TILE	P-2	QTB	ACT-3	
BASEMENT		HALLWAY	EX	EX	EX	NC	
FIRST FLOOR		ACCESSIBLE STAFF TOILET	TILE	P-1 / P-2	QTB	ACT-3	
FIRST FLOOR	12A	ACCESSIBLE TOILET	EPX	P-1 / P-2 / EX	VCB	ACT-3	
FIRST FLOOR	9A	ACCESSIBLE TOILET	TILE	P-1 / EX	QTB	ACT-3	
FIRST FLOOR		BOYS RESTROOM	EX	FRP / EX	VCB	EX	
FIRST FLOOR	11	CLASSROOM	EX	P-1 / EX	VCB	EX	
FIRST FLOOR	22	CLASSROOM	EX	P-1 / EX	VCB	EX	
FIRST FLOOR	11A	CLASSROOM	EX	P-1 / EX	VCB	EX	
FIRST FLOOR	21	CLASSROOM	EX	P-1 / EX	VCB	EX	
FIRST FLOOR	10D	ENTRY					
FIRST FLOOR		GIRLS RESTROOM	EX	FRP / EX	VCB	EX	
FIRST FLOOR		KITCHEN	TILE	P-1 / P-2	QTB	ACT-2	
FIRST FLOOR		LIFE SKILLS	TILE	P-1/P-2/FRP	QTB	ACT-2	
FIRST FLOOR	10B	NEW OFFICE	VCT	P-1	VCB	ACT-1	
FIRST FLOOR	10C	TOILET 10C					
FIRST FLOOR	12	WET ROOM	EPX	P-1 / EX	VCB	ACT-3	

KEYNOTE LEGEND	
NUMBER	DESCRIPTION
06.83.01	FIBERGLASS REINFORCED PANEL
09.65.01	VINYL COVE BASE, REFER TO FINISH PLANS
09.65.07	VCT FLOORING, REFER TO FINISH PLANS



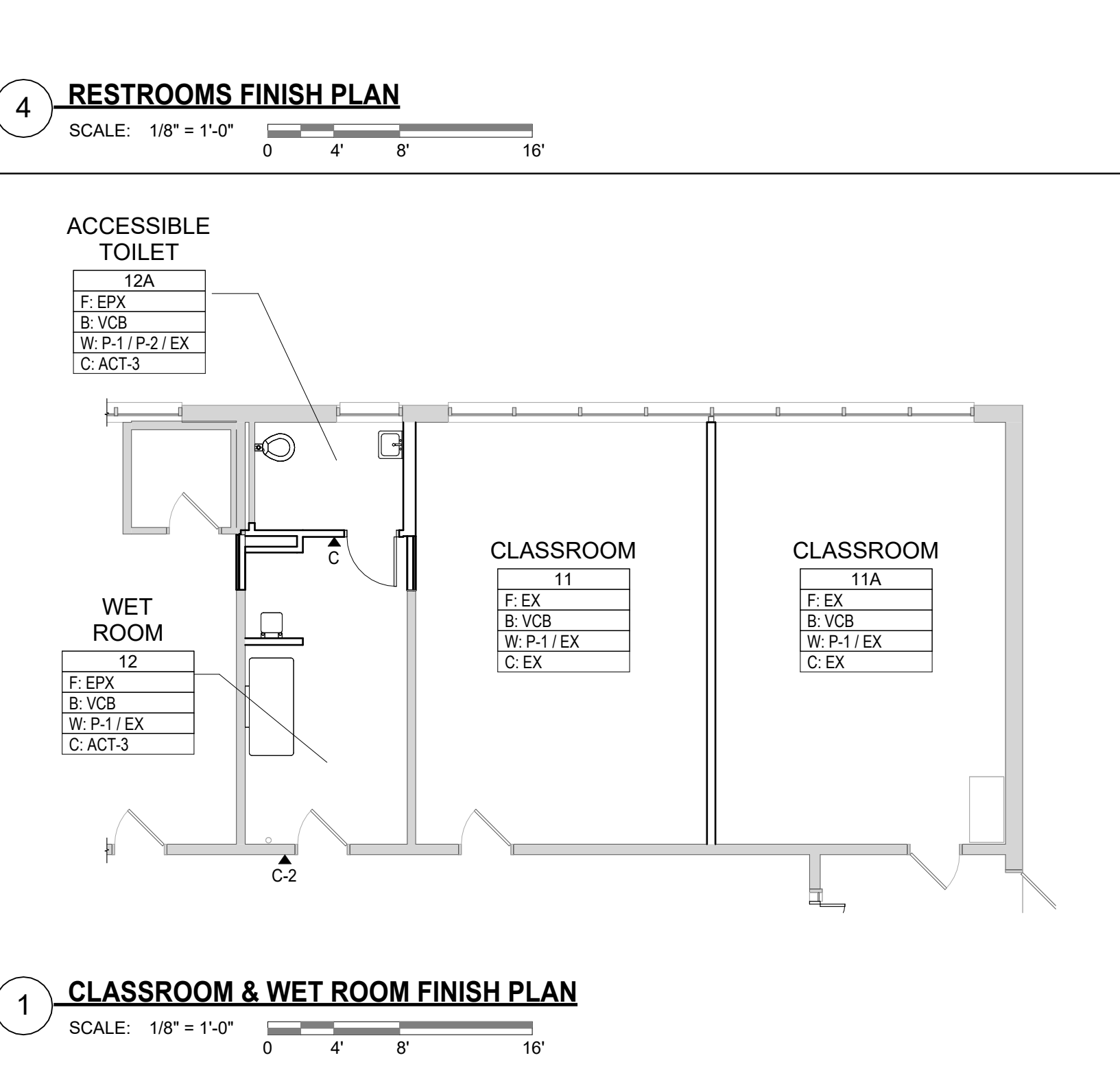
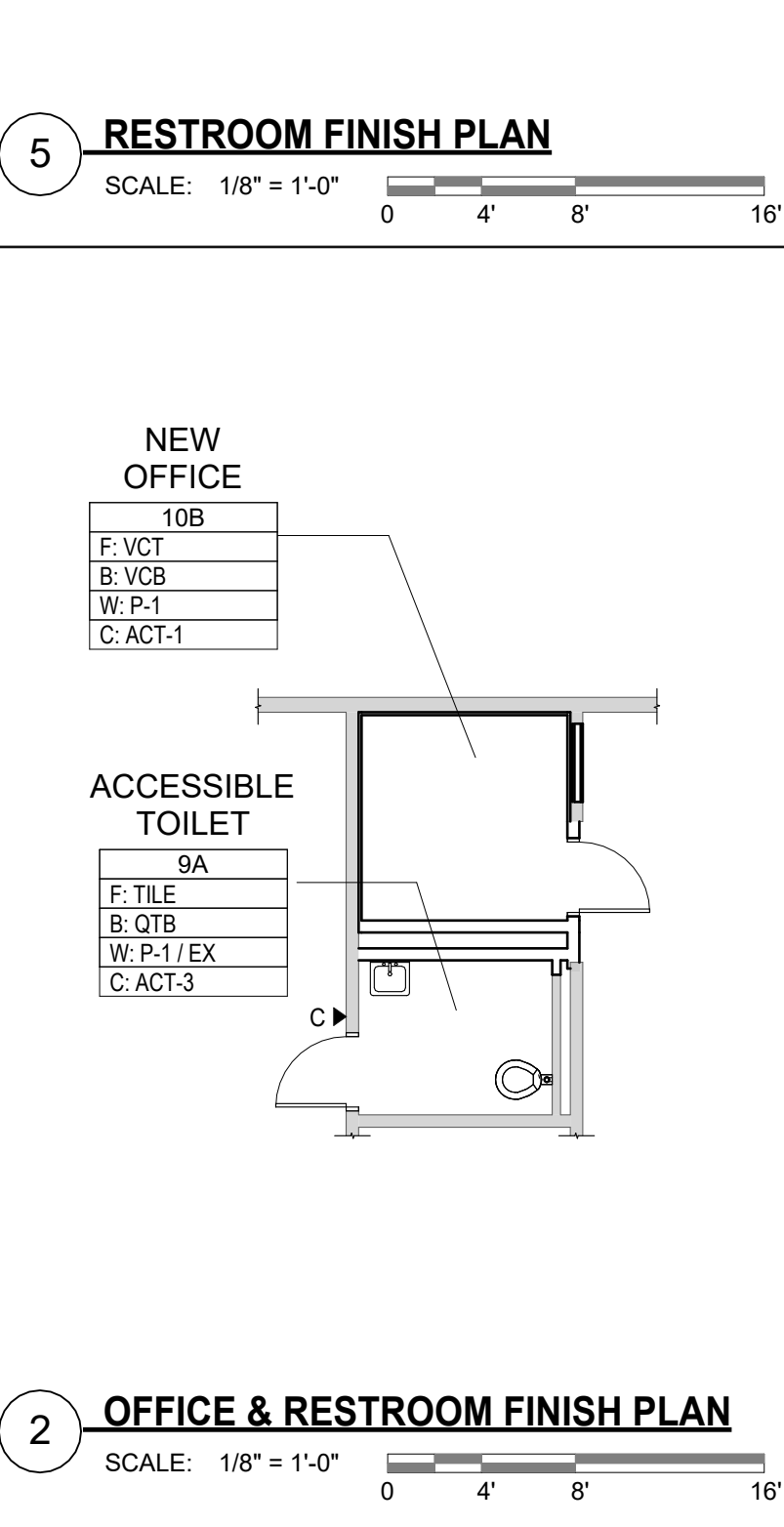
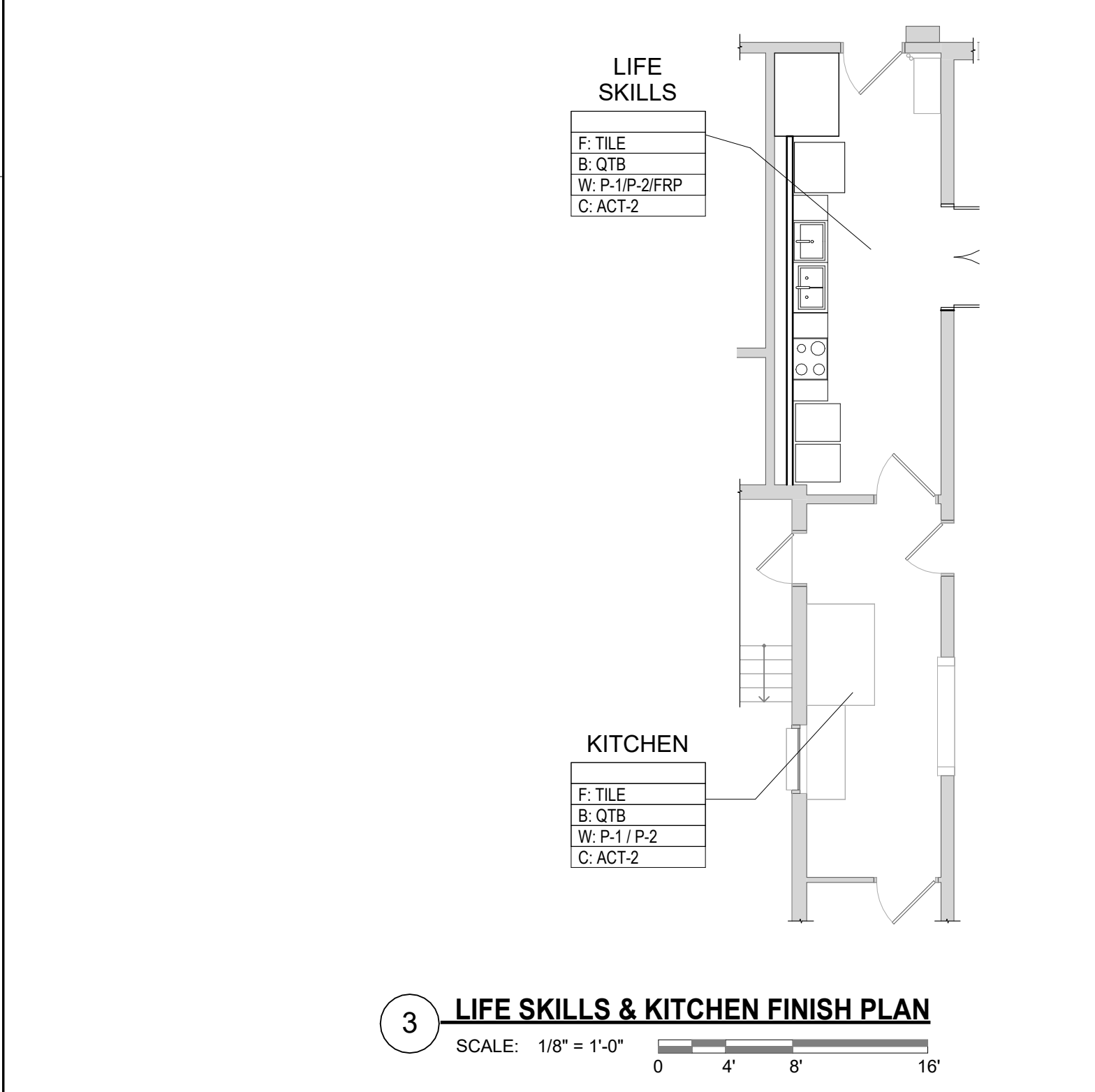
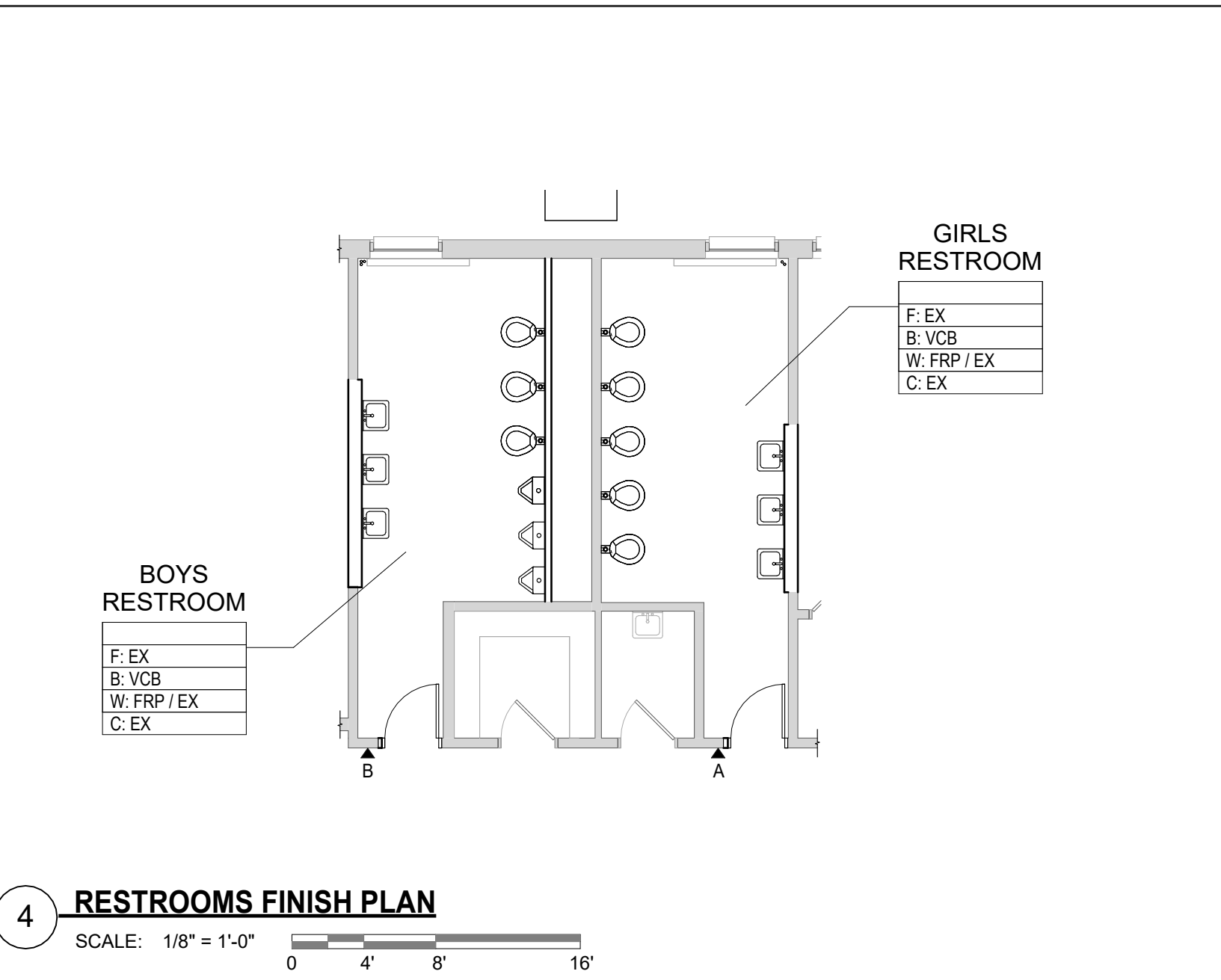
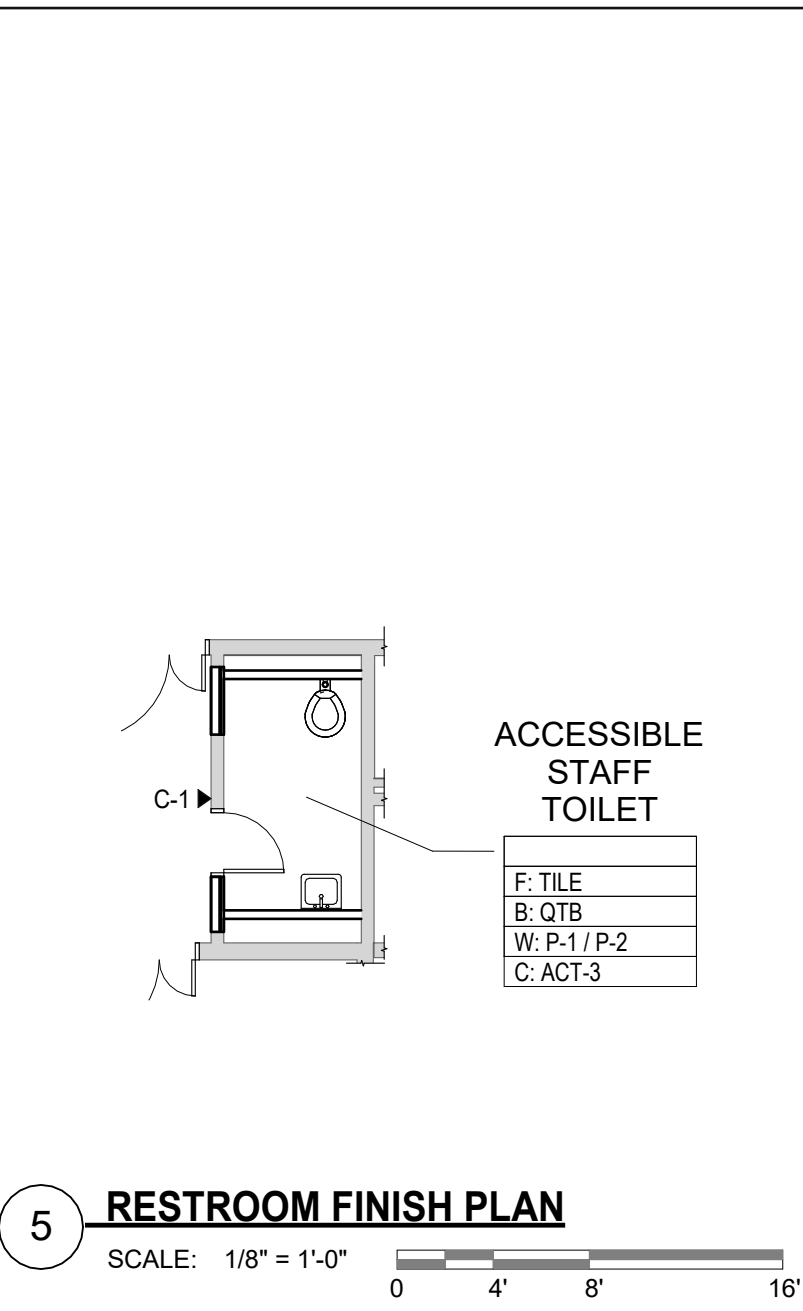
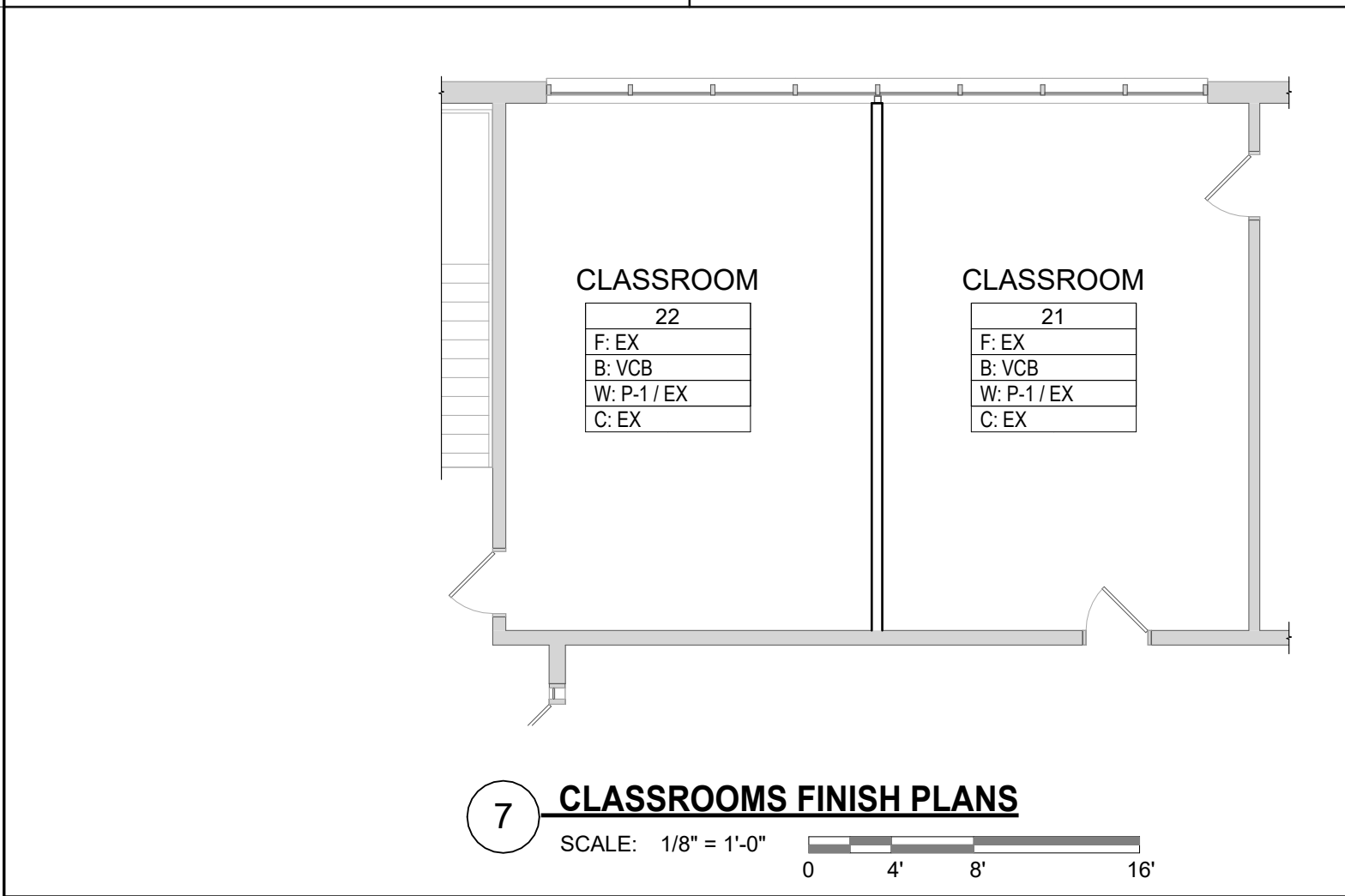
SIGNAGE SCHEDULE		
SIGN NUMBER	SIGN TYPE	TEXT (BY TYPE)
1	A	GIRLS RESTROOM
1	B	BOYS RESTROOM
1	C	ACCESSIBLE UNISEX RESTROOM
1	C-1	ACCESSIBLE STAFF RESTROOM
1	C-2	WET ROOM
1	D	STAFF RESTROOM



ROOM SIGNAGE LEGEND			
A	SYMBOLS 5/8" TEXT (RE:SCHED) BRAILLE NON-GLARE FINISH		B SYMBOLS 5/8" TEXT (RE:SCHED) BRAILLE NON-GLARE FINISH
C	SYMBOLS 5/8" TEXT (RE:SCHED) BRAILLE NON-GLARE FINISH		D SYMBOLS 5/8" TEXT (RE:SCHED) BRAILLE NON-GLARE FINISH

- NOTES:
- LETTERS AND NUMBERS ON SIGNED SHALL BE RAISED, CONTRASTING IN COLOR, AND HAVE A WIDTH-TO-HEIGHT RATION OF BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATION BETWEEN 1:5 AND 1:10, AND RAISED 1/32" MIN. AND BE ACCOMPANIED BY BRAILLE RAISED LETTERING.
 - SIGNS TO BE MOUNTED ON THE STRIKE SIDE OF THE DOOR, OR ON THE NEAREST ADJACENT WALL IF THERE IS NO WALL SPACE ON THE LATCH SIDE.
 - MOUNTING HEIGHT SHALL BE 60" ABOVE FINISHED FLOOR TO THE CENTERLINE OF SIGN.

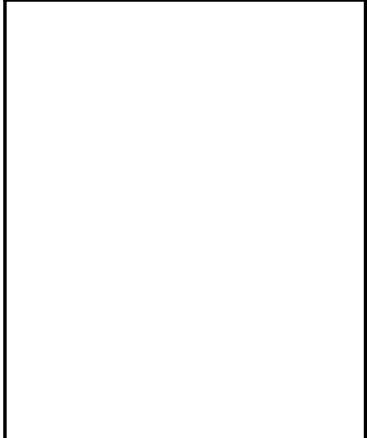
LEGEND OF FINISHES	
FLOOR	
TILE	QUARRY TILE
EPX	EPOXY
VCT	VINYL COMPOSITION TILE
EX	EXISTING TO REMAIN
BASE	
QTB	QUARRY TILE COVE BASE
VCB	VINYL COVE BASE
EX	EXISTING TO REMAIN
WALL	
FRP	FIBER REINFORCED PANEL UP TO 8'-0" AFF
P-1	PAINTED GWB
P-2	PAINTED MASONRY
EX	EXISTING TO REMAIN
CEILING	
ACT-1	ACOUSTIC CEILING TILE - TYPE 1
ACT-2	ACOUSTIC CEILING TILE - TYPE 2
ACT-3	ACOUSTIC CEILING TILE - TYPE 3
GWB	GYPSUM WALL BOARD - PAINTED WHITE
NC	NO CEILING
EX	EXISTING TO REMAIN
NOTE: REFER TO PROJECT SPECIFICATIONS DIVISION 9 FOR ADDITIONAL INFORMATION	



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ADA RENOVATIONS

NEW CITIZEN'S CENTER

1407A MAIN STREET
WORCESTER, MA 01603

REVISIONS		
Δ	MM-DD-YYYY	DESCRIPTION

PROJECT NO: 2430.05
DATE: 08/19/2026
SCALE: AS NOTED
DRAWN BY: Author
CHECKED BY: Checker

FINISH PLANS & DETAILS

A-710

This Border is intended for a 22" x 34" sheet. If printed sheet size differs, refer to graphic bar scales only.

PLOTTED ON: 8/19/2026 09:56:14

NAME

LEVEL NAME

10'-0"

HEIGHT ABOVE PROJECT 0'-0"

1

KEYNOTE: INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL

INDICATES DIRECTION OF TRUE NORTH

PLAN OR DETAIL NUMBER

PLAN OR DETAIL NAME

1

VIEW NAME

1/8" = 1'-0"

PLAN OR DETAIL SCALE

INDICATES SIMILAR DETAIL REFERENCED IN MULTIPLE LOCATIONS

SIM

DETAIL REFERRED TO BY SECTION CUT

SIM

4

3

2

1

SHEET DETAIL IS LOCATED ON

LINE TYPE AND TAG KEY:

NEW WORK BY THIS CONTRACTOR (WIDE LINE)

NEW

EXISTING TO BE REMOVED (SHORT DASHED PATTERN)

NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)

EXISTING

EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)

EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

HALFTONING DOES NOT MODIFY SCOPE.

'TAG'-E

TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING

TAG-1

UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST

INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL

FIRE / SMOKE BARRIER DESIGNATIONS

FIRE AND SMOKE SEPARATIONS ARE NOT SHOWN ON THESE DOCUMENTS. CONTRACTOR SHALL REVIEW THE ARCHITECTURAL PLANS AND DETERMINE THE LOCATIONS OF ALL FIRE AND SMOKE PARTITIONS, BARRIERS, AND WALLS. THIS INCLUDES FLOOR RATINGS. PRICING SHALL INCLUDE ALL MATERIALS AND LABOR REQUIRED TO MAINTAIN THE RATINGS OF ALL RATED SEPARATIONS, WHETHER SHOWN ON THE ENGINEERING PLANS OR NOT.

ABBR:	DESCRIPTION:
A.C.	ASBESTOS ABATEMENT CONTRACTOR
A.V.C.	AUDIO/VISUAL CONTRACTOR
C.C.	CIVIL CONTRACTOR
C.M.	CONSTRUCTION MANAGER
E.C.	ELECTRICAL CONTRACTOR
F.P.C.	FIRE PROTECTION CONTRACTOR
F.S.C.	FOOD SERVICE CONTRACTOR
G.C.	GENERAL CONTRACTOR
H.C.	HEATING CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
N.C.C.	NURSE CALL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
S.C.	SECURITY CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR
T.C.C.	TEMPERATURE CONTROLS CONTRACTOR
V.C.	VENTILATION CONTRACTOR

PLUMBING SHEET INDEX	
P000	PLUMBING COVERSHEET
P100	BASEMENT DEMOLITION PLAN - PLUMBING
P101	FIRST FLOOR DEMOLITION PLAN - PLUMBING
P200	BASEMENT PLAN - PLUMBING
P201	FIRST FLOOR PLAN - PLUMBING
P300	ENLARGED BASEMENT PLUMBING PLANS
P301	ENLARGED FIRST FLOOR DEMOLITION PLUMBING PLANS
P303	ENLARGED FIRST FLOOR PLUMBING PLANS
P304	ENLARGED FIRST FLOOR PLUMBING PLANS
P400	PLUMBING DETAILS
P600	PLUMBING SCHEDULES
GRAND TOTAL: 11	

PLUMBING ABBREVIATION KEY	
ABBR:	DESCRIPTION:
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
BFP	BACKFLOW PREVENTER
BT	BATHTUB
CB	CATCH BASIN
CI	CAST IRON
CO	CLEANOUT
CS	CLINICAL SINK
DB	DIALYSIS BOX
DF	DRINKING FOUNTAIN
DI	DUCTILE IRON
DN	DOWN
E	EXISTING
EE	EMERGENCY EYEWASH
ES	EMERGENCY SHOWER
ESE	EMERGENCY SHOWER/EYEWASH
EW	ELECTRIC WATER COOLER
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FM	FLOW METER
FS	FLOOR SINK
GD	GARBAGE DISPOSER
GI	GREASE INTERCEPTOR
HB	HOSE BIBB
I.E.	INVERT ELEVATION (FOR REFERENCE ONLY)
L or LAV	LAVATORY
MB	MOP BASIN
MH	MANHOLE
MV	MIXING VALVE
NIC	NOT IN CONTRACT
NT	NEUTRALIZATION TANK
OS	OIL SEPARATOR
RD	ROOF DRAIN
SCCR	SHORT CIRCUIT CURRENT RATING
SH	SHOWER
SK	SINK
SS	SERVICE SINK
TD	TRENCH DRAIN
TP	TRAP PRIMER
TP	TYPICAL
UR	URINAL
VTR	VENT THROUGH ROOF
WC	WATER CLOSET
WCO	WALL CLEANOUT
WF	WASH FOUNTAIN
WH	WATER HEATER
WMF	WASHING MACHINE FIXTURE
WM	WATER METER
WS	WATER SOFTENER
UB	UTILITY BOX
UON	UNLESS OTHERWISE NOTED
YCO	YARD CLEANOUT

SYMBOL LIST - PIPE ACCESSORIES	
SYMBOL	DESCRIPTION
┐	ENDCAP
→ —○	PIPE DOWN AND PIPE UP / UP AND DOWN
▮	REDUCER
⋈	SHUTOFF VALVE

SYMBOL LIST - PLUMBING SYSTEMS	
SYMBOL	DESCRIPTION
CW	COLD WATER - POTABLE
HW	HOT WATER - POTABLE
HWC	HOT WATER CIRCULATING - POTABLE
SAN	SANITARY DRAINAGE
ST	STORM DRAINAGE
V	VENT

MECHANICAL GENERAL NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, VENTILATION, PIPING AND TEMPERATURE CONTROL.

- DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC., ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
- CATALOG AND MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE, BUT ARE GIVEN AS AN AID TO THE CONTRACTOR AND TO INDICATE THE QUALITY REQUIRED. CONTRACTOR IS RESPONSIBLE FOR THE COMPLETE DESCRIPTION OF MATERIAL SCHEDULED ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIAL AND SCHEDULED PERFORMANCE TAKES PRECEDENCE OVER THE MODEL NUMBER. THE FIRST MANUFACTURER SCHEDULED IS THE BASIS OF DESIGN.
- DETERMINATION OF QUANTITIES OF MATERIAL AND EQUIPMENT REQUIRED SHALL BE MADE BY THE CONTRACTOR FROM THE DOCUMENTS. WHERE MATERIAL AND/OR QUANTITY DISCREPANCIES ARISE BETWEEN DRAWINGS, SCHEDULES AND/OR SPECIFICATIONS, THE HIGHER QUALITY/GREATER NUMBER SHALL GOVERN.
- DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
- COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
- REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
- ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
- EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIO/VISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
- EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
- IN AREAS WITH DRYWALL CEILINGS COORDINATE LOCATIONS OF ACCESS PANELS WITH THE GC FOR ACCESS TO VALVES, DUCTWORK ACCESSORIES, DAMPERS, ETC. COORDINATE PANEL TYPE AND COLOR WITH ARCHITECT. NOTIFY THE GC OF THE REQUIRED ACCESS PANELS PRIOR TO BIDDING.
- SEAL ALL FLOOR, WALL, AND ROOF PENETRATIONS AIRTIGHT WHERE CONDUITS, PIPING, AND DUCTS PENETRATE. PENETRATIONS THROUGH EXTERIOR WALLS AND ROOF SHALL BE SEALED AIRTIGHT WITH WATERPROOFING MATERIALS RECOMMENDED BY MANUFACTURER FOR OUTDOOR USE.
- CAULK ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL, PARTITION, FLOOR, AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS.
- WHERE PIPES AND DUCTS ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVED OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH ALL RELEVANT SPEC SECTIONS. SEAL SLEEVE PERIMETER TO BE WATERTIGHT.
- EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY AMONG DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, PIPING, DUCTWORK, ETC.
- DO NOT BLOCK TUBE PULL OR EQUIPMENT SERVICE CLEARANCES.
- MAINTAIN A MINIMUM WORKING CLEARANCE OF 3'-6" IN FRONT OF ALL ELECTRICAL EQUIPMENT REQUIRING MAINTENANCE, INSPECTION, AND TESTING INCLUDING BUT NOT LIMITED TO PANELS, DISTRIBUTION PANELS, SWITCHBOARDS, MOTOR CONTROL CENTERS, TRANSFORMERS, EQUIPMENT DISCONNECTS AND STARTERS.
- MAINTAIN THE DEDICATED ELECTRICAL EQUIPMENT SPACE DEFINED BY THE WIDTH / DEPTH OF ELECTRICAL EQUIPMENT MEASURED FROM THE FLOOR TO A HEIGHT 6'-0" ABOVE THE EQUIPMENT OR THE STRUCTURAL CEILING, WHICHEVER IS LOWER. SYSTEMS FOREIGN TO THE ELECTRICAL DISTRIBUTION SYSTEM ARE NOT ALLOWED IN THE DEDICATED ELECTRICAL SPACE INCLUDING: DUCTWORK, PIPING, ETC.
- PROVIDE CONCRETE EQUIPMENT PADS FOR ALL FLOOR-MOUNTED EQUIPMENT. PADS SHALL EXTEND A MINIMUM OF 6 INCHES BEYOND ALL SIDES OF EQUIPMENT, UNLESS SUCH EXTENSION WOULD ENCROACH ON REQUIRED WORKING CLEARANCES AT CONTROL PANELS OR ELECTRICAL EQUIPMENT. PROVIDE 1/2-INCH CHAMFER (45-DEGREE) OR 1/2-INCH RADIUS AT ALL HORIZONTAL EDGES.
- DO NOT EXCEED 25 LBS PER HANGER AND A MINIMUM SPACING OF 2'-0" ON CENTER WHEN ATTACHING TO METAL ROOF DECKING (LIMITATION NOT REQUIRED WITH CONCRETE ON METAL DECK). THIS 25 LBS. LOAD AND 2'-0" SPACING INCLUDE ADJACENT ELECTRICAL AND ARCHITECTURAL ITEMS HANGING FROM DECK. IF THE HANGER RESTRICTIONS CANNOT BE ACHIEVED, SUPPLEMENTAL FRAMING OFF STEEL FRAMING SHALL BE ADDED. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.

PLUMBING GENERAL NOTES:

- THE SYMBOLS AND THE MATERIAL LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL VERIFY QUANTITIES AND FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT.
- CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE, BUT ARE GIVEN AS AN AID TO THE CONTRACTOR AND TO INDICATE THE QUALITY REQUIRED. CONTRACTOR IS RESPONSIBLE FOR A COMPLETE DESCRIPTION OF MATERIAL ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIAL TAKES PRECEDENCE OVER THE CATALOG NUMBER. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN.
- CONTRACTOR SHALL VERIFY THAT FIXTURES SUPPLIED ARE APPROVED PER ALL APPLICABLE STATE, LOCAL AND GOVERNING AUTHORITIES.
- ALL FIXTURES SHALL CONFORM TO NSF/ANSI STANDARD 61 AND 372.
- INVERT ELEVATIONS ARE FROM EXISTING DRAWINGS AND MAY NOT BE ACCURATE. VERIFY ALL ELEVATIONS BEFORE BEGINNING WORK.
- VERIFY UNDERGROUND PIPE SIZES, INVERT ELEVATIONS, AND LOCATIONS PRIOR TO BEGINNING ANY WORK.
- REFER TO THE PLUMBING ROUGH-IN SCHEDULE FOR THE SIZES OF BRANCH PIPES TO PLUMBING FIXTURES.
- FOR CLARITY, NOT ALL VALVES HAVE BEEN SHOWN. PROVIDE SHUTOFF VALVES IN DOMESTIC WATER PIPING SERVING EACH ROOM WITH FIXTURES. ANGLE STOPS SHALL NOT BE CONSIDERED SHUTOFF VALVES.
- EXISTING CONDITIONS ON DEMOLITION PLANS ARE PROVIDED TO INDICATE THE GENERAL SCOPE OF ITEMS TO BE REMOVED. REFER TO SPECIFICATION SECTION 22 05 05 FOR ADDITIONAL DEMOLITION INFORMATION.
- P.C. SHALL CUT AND PATCH EXISTING AS REQUIRED FOR NEW OR DEMOLITION WORK UNLESS NOTED OTHERWISE. REFER TO SPECIFICATION SECTION 22 05 05 FOR ADDITIONAL INFORMATION.
- TRENCHING IS REQUIRED FOR ALL UNDERSLAB WORK NOT LOCATED OVER THE BASEMENT. PLUMBING CONTRACTOR SHALL COORDINATE TRENCHING EXTENTS WITH GC.

MECHANICAL RENOVATION NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, VENTILATION, PIPING AND TEMPERATURE CONTROL.

- EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
- NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK.
- FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK AND PIPING BEFORE FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
- EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF THEIR WORK AND SHALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BIDDING IF OTHER UTILITIES ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO THEIR AREA OF WORK.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, REMOVAL AND PATCHING OF ROOFS, WALLS, AND FLOORS ASSOCIATED WITH WORK BY ALL CONTRACTORS. CONTRACTORS SHALL NOTIFY THE GC OF AFFECTED AREAS PRIOR TO BIDDING.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO BIDDING.
- WHERE EXISTING MECHANICAL SYSTEMS DIFFER FROM THOSE SHOWN ON THE PROJECT DRAWINGS AND CREATE CONFLICTS WITH NEW EQUIPMENT, PIPING, OR DUCTWORK INSTALLATIONS, THE CONTRACTOR SHALL PROVIDE DETAILED DOCUMENTATION (SUCH AS SKETCHES, PHOTOS, AND DIMENSIONS) ALONG WITH RECOMMENDATIONS TO RESOLVE THE CONFLICT. THIS INFORMATION MUST BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. NO WORK RELATED TO THE CONFLICT SHALL PROCEED UNTIL AN APPROVED RESOLUTION IS PROVIDED BY THE ENGINEER.
- PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS THAT REMAIN ACTIVE.
- OBTAIN PERMISSION FROM OWNER BEFORE SHUTTING DOWN ANY SYSTEM FOR ANY REASON. MAINTAIN SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN UNTIL NEW SYSTEMS ARE INSTALLED.
- MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR TIE IN AND SWITCHOVER. DRAIN SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER BEFORE PARTIALLY OR COMPLETELY DRAINING SYSTEM. MAKE CHANGEOVER TO NEW SYSTEMS WITH MINIMUM OUTAGE.
- DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED.
- PROPERLY RECLAIM AND DISPOSE OF ALL REFRIGERANT IN REMOVED EQUIPMENT/REFRIGERANT PIPING. RECLAIMED REFRIGERANT SHALL HAVE DOCUMENTATION AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION (AHJ).

PLUMBING SLOPE REQUIREMENTS:	
BASED ON PLUMBING CODE: 248 CMR 10(2023)	
INTERIOR:	
SANITARY WASTE:	≤3° = 1/4" PER FOOT ≥4° = 1/8" PER FOOT
CONDENSATE AND INDIRECT DRAINAGE:	1/8" PER FOOT
SANITARY AND GREASE VENT:	NO SPECIFIC PITCH, PITCH TO FIXTURES
DOMESTIC WATER:	NO SPECIFIC PITCH, PITCH TO FIXTURES

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PROJECT #26004938.00

ADA RENOVATIONS

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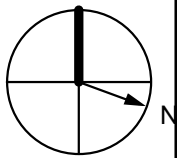
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REVISIONS		
Δ	MM-DD-YYYY	DESCRIPTION

PROJECT NO: 2430.05
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CHECKED BY: FC

PLUMBING COVERSHEET

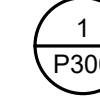
P000



A

B

①

$$3/32'' = 1'-0''$$
[illegible]

PROJECT NO: 2430.05
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**BASEMENT
DEMOLITION PLAN -
PLUMBING**

P100

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A

B

FIRST FLOOR DEMOLITION PLAN - PLUMBING

4

3

2

1



2

3

PROJECT NO: 2430.05
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P101

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A

B

①

$$3/32'' = 1'-0''$$


— EX. WATER HEATER AND
RECIRC PUMP TO REMAIN.

- 2" SAN
- CONNECT 2"S FROM SINKS & WMF TO MAINS

2
P303

5
P303

[illegible]

PROJECT NO: 2430.05
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**BASEMENT PLAN -
PLUMBING**

P200

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A

B

FIRST FLOOR PLAN - PLUMBING

4

1

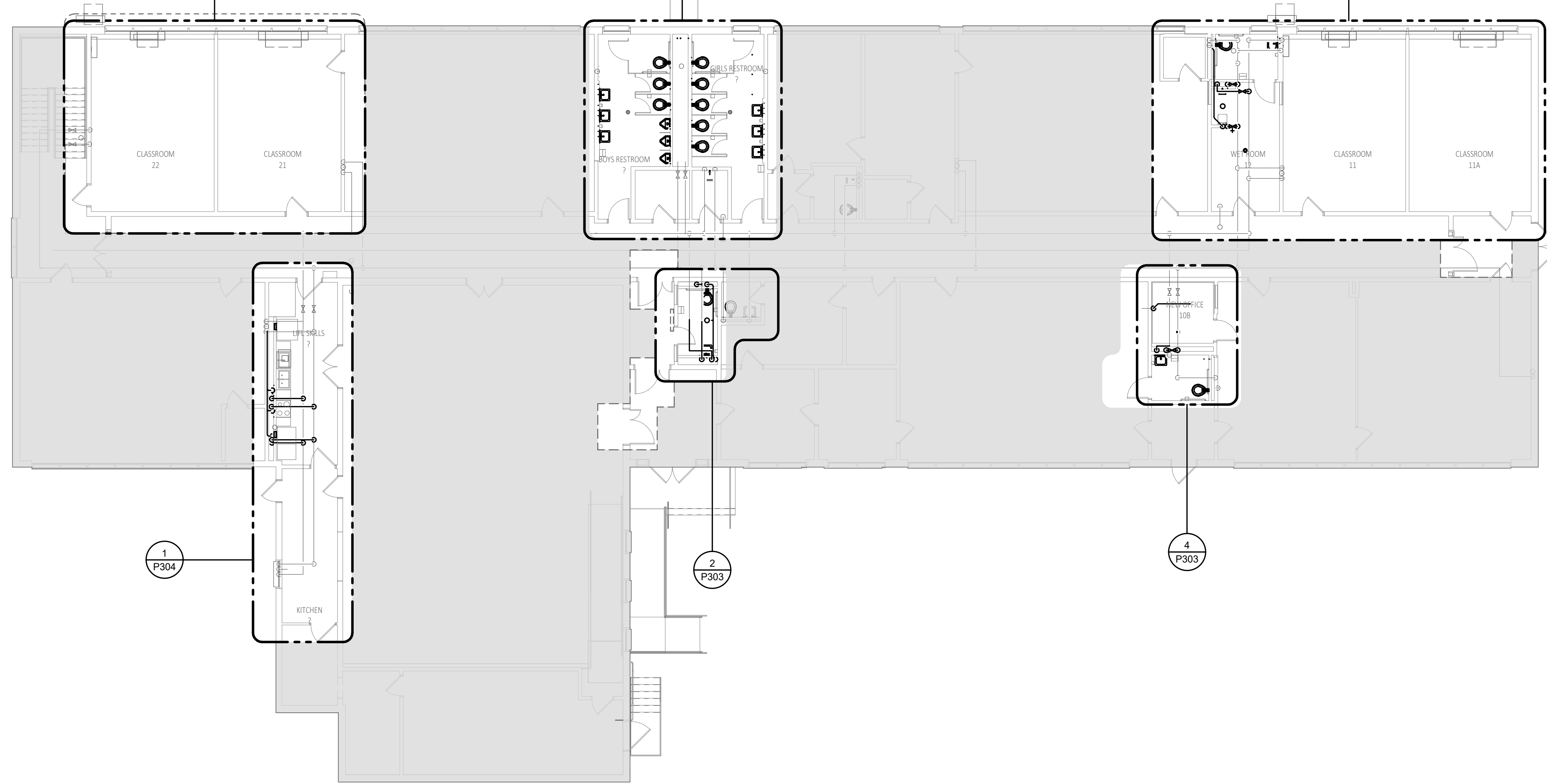
20

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2

3

1

[illegible]

PROJECT NO: 2430.05
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SCALE: AS NOTED
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**FIRST FLOOR PLAN -
PLUMBING**

P201



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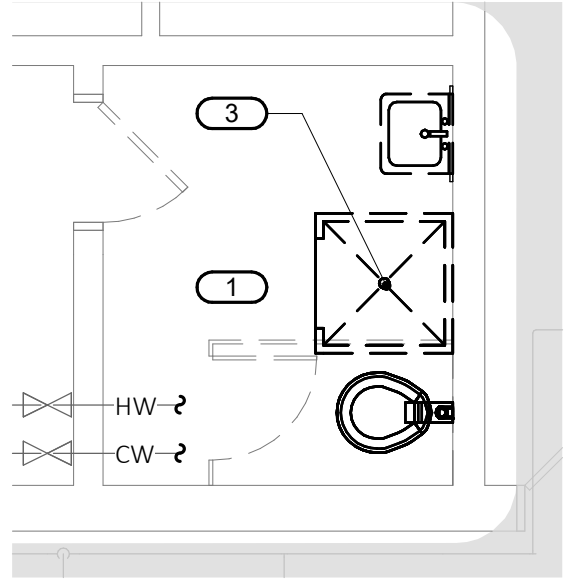
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A

2) $1/4'' = 1'-0''$



1/4" = 1'-0"

- 1 DEMOLISH ALL PLUMBING FIXTURES INCLUDING CARRIERS IN ROOM. CAP WATER AND
WASTE WITHIN CHASE. EX. FLOOR DRAIN SHALL REMAIN.
- 2 CONNECT NEW PLUMBING FIXTURES AND CARRIERS TO EXISTING WATER, WASTE, AND
VENT WITHIN CHASE.
- 3 DEMOLISH SHOWER. CUT AND CAP DRAIN PIPE BELOW SLAB & PATCH SLAB TO RECEIVE
NEW FINISH FLOORING.

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P300

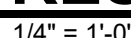
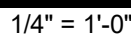
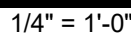
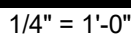
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A



1	DEMOLISH ALL PLUMBING FIXTURES INCLUDING CARRIERS IN ROOM. CAP WATER AND WASTE WITHIN CHASE. EX. FLOOR DRAIN SHALL REMAIN.
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P301

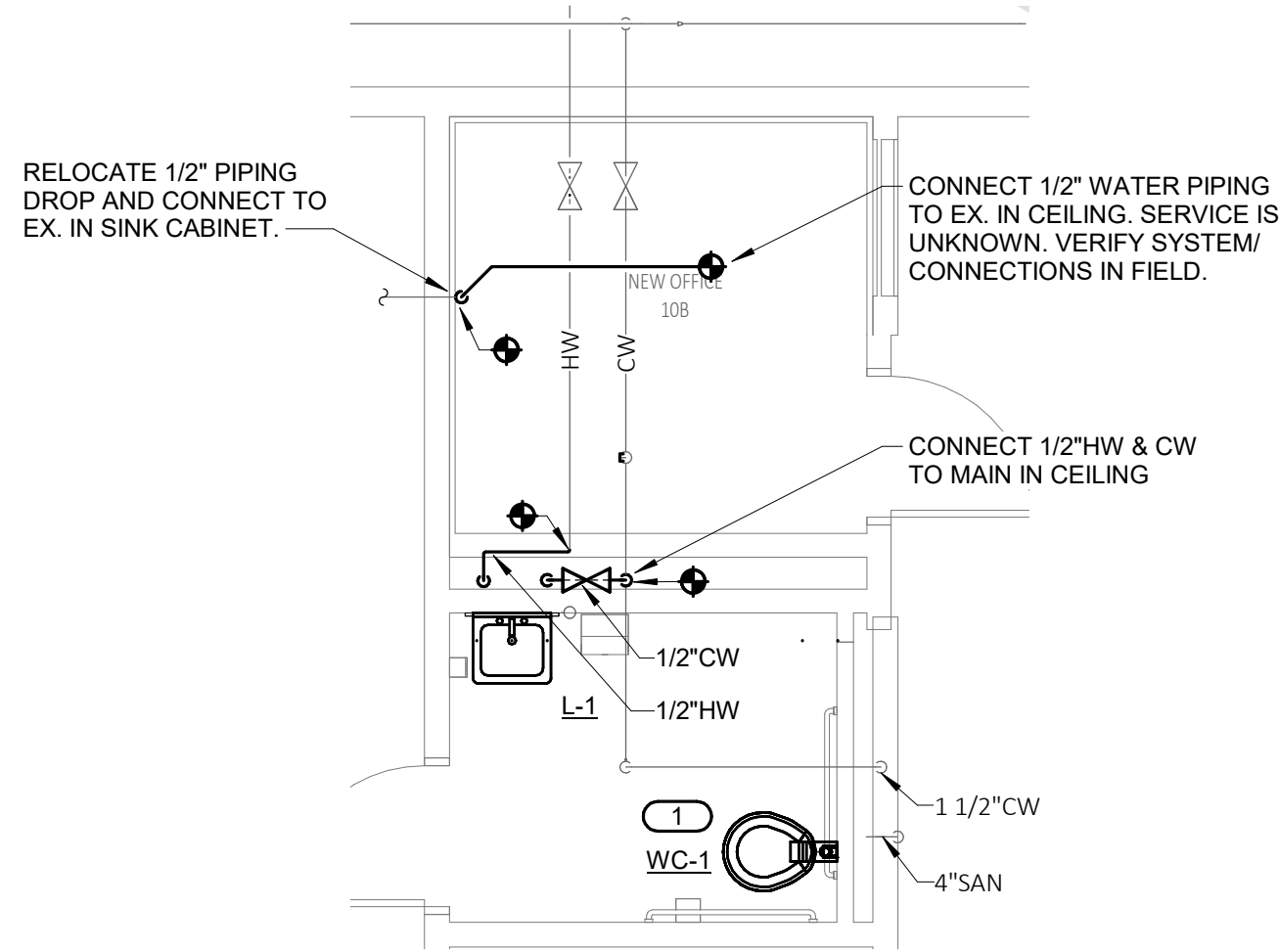
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This Border is intended for a 22" x 34" sheet. If printed sheet size differs, refer to graphic bar scales only.

PLOTTED ON: 8/19/2026 09:56:36

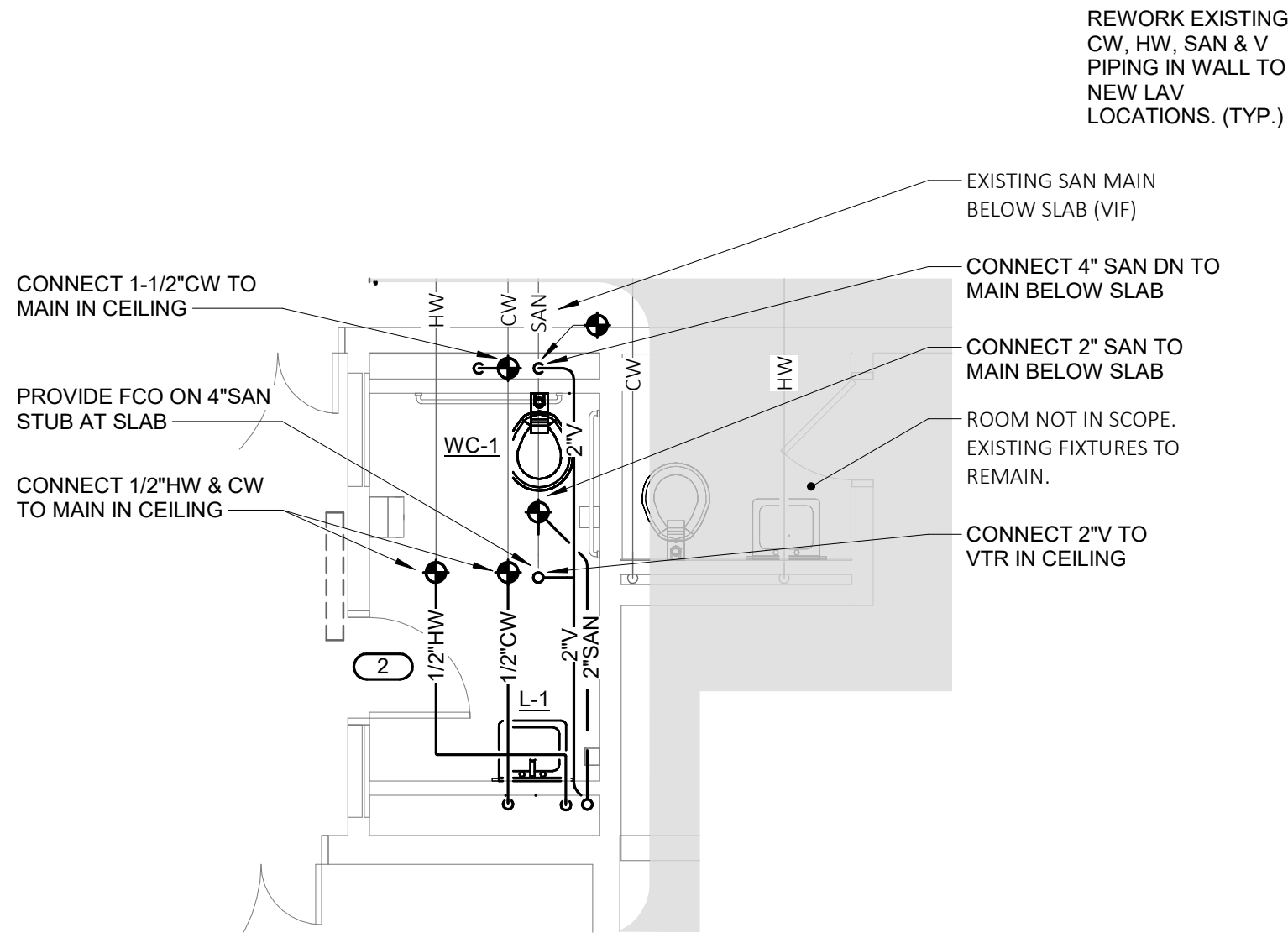
4 OFFICE & RESTROOM ENLARGED PLAN

1/4" = 1'-0"



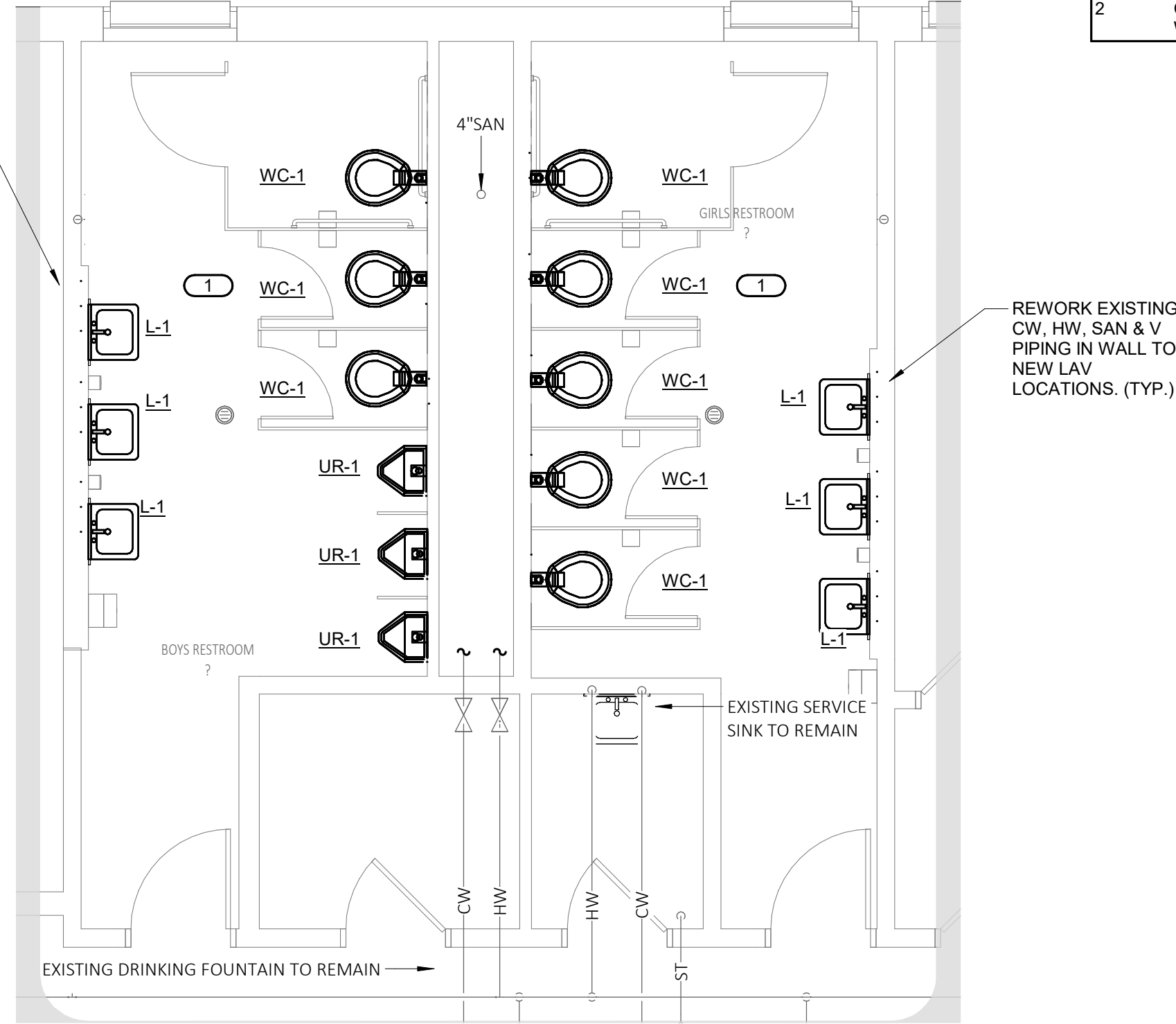
2 FIRST FLOOR RESTROOM ENLARGED PLAN

1/4" = 1'-0"



3 RESTROOMS ENLARGED PLAN

1/4" = 1'-0"

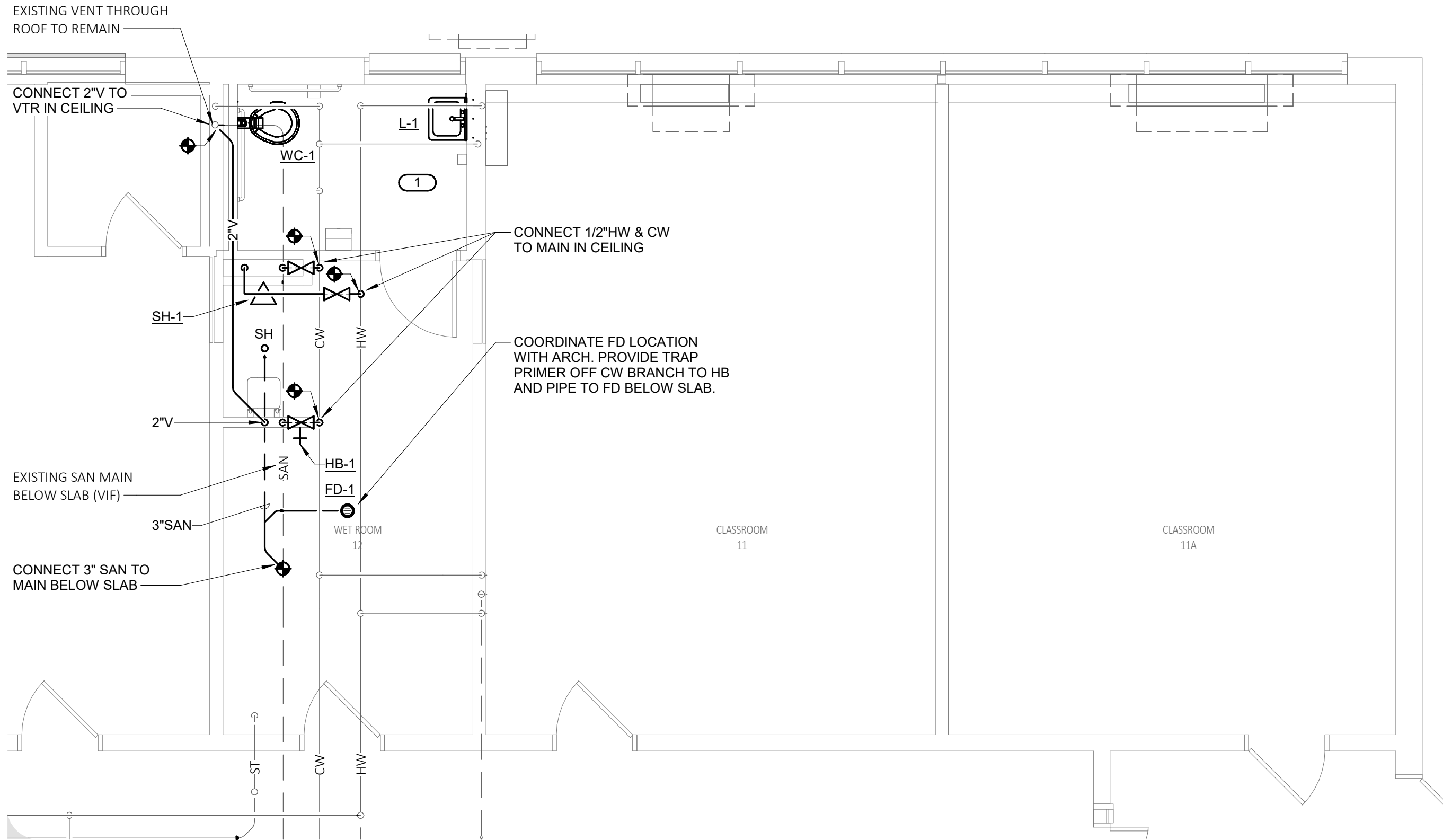


KEYNOTES

- CONNECT NEW PLUMBING FIXTURES AND CARRIERS TO EXISTING WATER, WASTE, AND VENT WITHIN CHASE.
- CONNECT NEW PLUMBING FIXTURES AND CARRIERS TO NEW WATER, WASTE, AND VENT WITHIN CHASE.

5 CLASSROOM & WET ROOM ENLARGED PLAN - PLUMBING

1/4" = 1'-0"



REVISIONS		
Δ	MM-DD-YYYY	DESCRIPTION

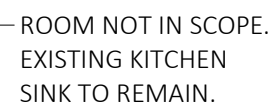
PROJECT NO: 2430.05
DATE: 08/26/2026
SCALE: AS NOTED
DRAWN BY: HP/TL
CHECKED BY: FC

ENLARGED FIRST
FLOOR PLUMBING
PLANS

This Border is intended for a 22" x 34" sheet. If printed sheet size differs, refer to graphic bar scales only.

FIRST FLOOR LIBRARY & KITCHEN ENLARGED PLAN

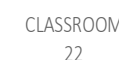
4



KITCHEN
2

FIRST FLOOR CLASSROOM 21 ENLARGED PLAN

2

CLASSROOM
21

NO PLUMBING WORK ON THIS PLAN

www.imegcorp.com
10 FRANKLIN STREET
BOSTON, MA 02110
P: 617.542.0810
PROJECT #26004039.000

HA

H&A
150 LONGWATER DR
NORWELL, MA 02061
43 HARVARD ST
WORCESTER, MA 01609
781.371.9804
hshoebarrch.com

ADA RENOVATIONS

NEW CITIZEN'S CENTER

1407A MAIN STREET
WORCESTER, MA 01603

[illegible]

PROJECT NO: 2430.05

DATE: 08/26/2020

SCALE: AS NOTED

DRAWN BY: HP/TL

CHECKED BY: FC

ENLARGED FIRST FLOOR PLUMBING PLANS

P304

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PLUMBING ROUGH-IN SCHEDULE

NOTES: (APPLIES TO ALL PLUMBING FIXTURES LISTED BELOW)
1) SIZES SHOWN ARE MINIMUMS. LARGER SIZES SHOWN ON THE DRAWING SHALL DICTATE THE ROUGH-IN SIZE. 2) SANITARY RISERS UP IN WALL TO FIXTURES SHALL BE A MINIMUM OF 2". 3) DOMESTIC WATER BRANCH PIPING OUTSIDE OF THE WALL/CHASE SHALL BE A MINIMUM OF 3/4" UNLESS NOTED OTHERWISE. ONLY THE FINAL RISE-DROP SHALL BE SMALLER. 4) FINAL SANITARY SIZE SHALL MATCH P-TRAP SIZE (REFER TO MATERIAL LIST).

TAG NAME	DESCRIPTION	CW	HW	SAN	VENT
FD-1	FLOOR DRAIN			2"	2"
L-1	LAVATORY	1 1/2"	1 1/2"	1 1/2"	1 1/2"
SH-1	SHOWER	1/2"	1/2"	2"	2"
SK-1	DOUBLE BOWL KITCHEN SINK	1/2"	1/2"	1 1/2"	1 1/2"
SK-2	SINGLE BOWL KITCHEN SINK (ACCESSIBLE)	1/2"	1/2"	1 1/2"	1 1/2"
UB-1	UTILITY BOX (COLD WATER)	1/2"	-	-	-
UR-1	URINAL	3/4"	-	2"	1 1/2"
WC-1	WATER CLOSET	1 1/2"	-	4"	2"
WMF-1	UTILITY BOX (WASHING MACHINE)	3/4"	3/4"	2"	1 1/4"

PLUMBING MATERIAL LIST

TAG NAME	DESCRIPTION	MANUFACTURER AND MODEL
FD-1	FLOOR DRAIN - CAST IRON BODY, BRONZE BRASS ADJUSTABLE TOP, 5" ROUND, 2" BOTTOM OUTLET, FLASHING COLLAR, SURFACE MEMBRANE CLAMP. PROVIDE A SIDE CONNECTION FOR A TRAP PRIMER LINE. TRAP PRIMER - 3 PSI PRESSURE DROP ACTIVATED, 1/2" MALE NPT INLET AND 1/2" FEMALE NPT OUTLET, BUILT-IN AIRGAP, REMOVABLE FILTER SCREEN, ASSE 1018 LISTED. REQUIRES NO ADJUSTMENTS OR PRE-CHARGE.	FLOOR DRAIN - ZURN (Z-415), SMITH (2000), WATTS (1100), JOSAM (3000), WATTS (FD-100), MIFAB (F1100), SUN (FD1000), SIOUX CHIEF (862-N) TRAP PRIMER - MIFAB (M-500), PPP (PR-500), WATTS (LTP300T), SIOUX CHIEF (695-01), JR SMITH (2694)
HB-1	HOSE BIBB - FOR INDOOR USE, BRASS CONSTRUCTION, POLISHED CHROME-PLATED FINISH, VACUUM BREAKER, 3/4" MALE HOSE THREAD, 3/4" FLANGED I.P.S. INLET, REMOVABLE TEE HANDLE, ASSE 1011 LISTED AND APPROVED. MOUNT AT 18" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE ON DRAWINGS.	PRIER (C-255C/P.75), CHICAGO FAUCET (952), CHICAGO (8121CP-1L), T&S BRASS (B-0270), MIFAB (MHY-9241)
L-1	LAVATORY - ACCESSIBLE, WALL MOUNTED, WHITE VITREOUS CHINA, 20"x18", 4" HIGH CONTOURED BACKSPLASH, FAUCET HOLES ON 4" CENTERS, DRILLED FOR CONCEALED ARM CARRIER. LAVATORY TRIM - SENSOR ACTIVATED NON-MIXING FAUCET, BATTERY POWERED BRASS CONSTRUCTION, CHROME-PLATED FINISH, SPOUT WITH SPRAY PATTERN OUTLET, 4" CENTERSET INSTALLATION, PERFORATED GRID STRAINER WITH 1-1/4" 17 GAUGE TAILPIECE, SOLID BRASS SOLENOID WITH BUILT-IN FILTER, WATERPROOF CONNECTORS AND CABLE. MOUNT CONTROLS AND BATTERIES IN WATERPROOF VANDAL-RESISTANT ENCLOSURE BELOW LAVATORY. MAXIMUM FLOW TO BE 0.5 GPM IN COMPLIANCE WITH ENERGY POLICY ACT OF 2005 AND ASME/ANSI STANDARD A14.12 18.1M. 0.5 GPM FAUCET SHALL COMPLY WITH FEDERAL ACT S.3874. PROVIDE RESTRICTIVE DEVICE AS REQUIRED. MOUNT MIXING VALVE UNDER COUNTER/LAVATORY. MIXING VALVE SHALL NOT BE WYE PATTERN STYLE. MIXING VALVE - POINT-OF-USE ANTI-SCALD THERMOSTATIC MIXING VALVE FOR TEMPERED WATER CONTROL, ALL BRONZE/BRASS CONSTRUCTION, ROUGH FINISH, THREADED INLETS, TAMPER RESISTANT SETPOINT, 3/8" COMPRESSION INLETS AND OUTLETS, COLD WATER BYPASS IF USED WITH MIXING FAUCET 0.5 GPM OUTPUT. UNIT TO MIX 120 DEGREE F HOT WATER SUPPLY AND 40 DEGREE F COLD WATER SUPPLY FOR 110 DEGREE F OUTLET. UNIT SHALL BE ASSE 1070 LISTED AND APPROVED. VALVE SHALL COMPLY WITH FEDERAL ACT S.3874. ENCLOSURE - PROVIDE A PREMANUFACTURED RIGID ENCLOSURE FOR TRAP, SPOUT VALVES AND SUPPLY LINES. ALL TUBING, MODULS AND WIRING SHALL BE LOCATED WITHIN THE ENCLOSURE. REFER TO 22 40 00. MOUNT LAVATORY WITH SUPPORT CARRIER BOLTED SECURELY TO FLOOR AT HEIGHT SPECIFIED BY ARCHITECT.	LAVATORY - AMERICAN STANDARD (0355.012), KOHLER (K-2005), SLOAN (SS-3003), TOTO (LT307), ZURN (Z5364) LAVATORY TRIM - SLOAN (SF-2350), ZURN (Z6915-XL), CHICAGO FAUCETS (EVR SERIES), HYDROTEK (HB-1000C-LR), MOEN (MPOWER CAG8301) MIXING VALVE - WATTS (LFUSG-B), LEONARD (170D-LF), LAWLOR (TMM-1070T), ACORN CONTROLS (ST70), APOLLO (34DLF), POWERS (LFE480), SLOAN (MIX-135-A), CHICAGO FAUCETS (131-CABNF), SYMMONS (8210CK), WILKINS (ZW3870XL) ENCLOSURE - TRUEBRO (LAV SHIELD)
SH-1	SHOWER BASE - ACCESSIBLE, ONE PIECE, FIBERGLASS CONSTRUCTION, WHITE GELCOATED FINISH, 36"x60" (NOMINAL), 2" DRAIN, STAINLESS STEEL REMOVABLE STRAINER. SHOWER WALLS - TILE BY OTHERS. SHOWER VALVE - ACCESSIBLE, SINGLE HANDLE PRESSURE BALANCED MIXING FAUCET, BRASS OR BRONZE CONSTRUCTION, WASHERLESS DESIGN, OFF-COLD-HOT TEMPERATURE RANGE INDICATOR DIAL, POLISHED CHROME CAST METAL LEVER HANDLE, INTEGRAL CHECK STOPS, ADJUSTABLE TEMPERATURE LIMIT STOP. ASSE 1016 LISTED. ACCESSORIES - CHROME-PLATED BRASS SHOWERHEAD WITH SWIVEL BALL JOINT, CHROME-PLATED BRASS ARM AND FLANGE, HAND HELD SHOWER WITH ON/OFF CONTROL AND NON-POSITIVE SHUT OFF, 69" CHROME-PLATED METAL HOSE, CHROME-PLATED BRASS SWIVEL CONNECTOR, STAINLESS STEEL ADA GRAB HANDLE, CHROME-PLATED BRASS SUPPLY ELBOW FLANGE, CHROME-PLATED VACUUM BREAKER WITH CHROME-PLATED PIPING AND FLANGES, CHROME-PLATED BRASS 2 FUNCTION TRANSFER VALVE. MAXIMUM FLOW TO BE 1.5 GPM WATERSENSE LABELED. SET SAFETY LIMIT STOP TO 110 DEGREE F DISCHARGE. INSTALL BOTTOM OF SHOWERHEAD AT HEIGHT SPECIFIED BY ARCHITECT. ACCESSORIES - ROD AND CURTAIN BY OTHERS.	SHOWER BASE - OASIS, AQUARIUS, AQUATIC, ACORN, MAXX, SWAN SHOWER VALVE - MOEN COMMERCIAL (8342/52236GBM25), SYMMONS (9605-PLR), AMERICAN STANDARD (T0662.223), DELTA (R10700-UNWS/1TH332-20), LEONARD (PAM-H-ST-F1-3D/B2003), POWERS (PB417M202BV)

PLUMBING MATERIAL LIST

TAG NAME	DESCRIPTION	MANUFACTURER AND MODEL
SK-1	SINK - SELF-RIMMING DOUBLE COMPARTMENT WITH FAUCET DECK, 18 GAUGE STAINLESS STEEL, SOUND DEADENING ON BOTTOM AND SIDES OF BASIN, 33" (SIDE-TO-SIDE) x 19" (FRONT-TO-BACK) OVERALL SIZE, EACH COMPARTMENT 14" x 14" x 7.5" DEEP, 3-1/2" DIAMETER DRAIN OUTLET LOCATION CENTERED IN BOWL, REMOVABLE STAINLESS STEEL BASKET STRAINERS AND NEOPRENE STOPPERS. SINK TRIM - SINGLE HANDLE MIXING FAUCET, BRASS CONSTRUCTION, CHROME-PLATED FINISH, NOMINAL 10" HIGH-RISE SWING SPOUT, CERAMIC CARTRIDGE, NOMINAL 8" REACH, PULL DOWN SPRAY HOSE WITH AERATOR STREAM / SPRAY SELECTOR, LEVER HANDLE. MAXIMUM FLOW TO BE 1.5 GPM IN COMPLIANCE WITH PROJECT WATER CONSERVATION REQUIREMENTS. FAUCET SHALL COMPLY WITH FEDERAL ACT S.3874. PROVIDE RESTRICTIVE DEVICE AND ESCUTCHEON PLATE AS REQUIRED. INSULATION KIT - INCLUDE FOR EXPOSED TAPS, REFER TO 22 40 00. ARMAFLEX WITH TAPE IS NOT ACCEPTABLE IN LIEU OF INSULATION KIT.	SINK - ELKAY (LR33193) SINK TRIM - DELTA (9178-DST), AMERICAN STANDARD (4285.300), CHICAGO FAUCET (434-ABCP), ELKAY (LK6000), KOHLER (K-597-CP), GERBER (D454058), MOEN (7594-C), SYMMONS (S-2302-PD)
SK-2	SINK - ACCESSIBLE, SELF-RIMMING SINGLE COMPARTMENT WITH FAUCET DECK, 18 GAUGE TYPE STAINLESS STEEL, 22" (SIDE-TO-SIDE) x 19" (FRONT-TO-BACK) OVERALL SIZE, 18" x 14" x 5.5" DEEP BOWL, SOUND DEADENING ON BOTTOM OF BASIN, 3-1/2" DIAMETER DRAIN OUTLET LOCATION OFF-CENTERED LEFT IN BOWL, REMOVABLE STAINLESS STEEL BASKET STRAINER WITH NEOPRENE STOPPER. SINK TRIM - SINGLE HANDLE MIXING FAUCET, BRASS CONSTRUCTION, CHROME-PLATED FINISH, NOMINAL 10" HIGH-RISE SWING SPOUT, CERAMIC CARTRIDGE, NOMINAL 8" REACH, PULL DOWN SPRAY HOSE WITH AERATOR STREAM / SPRAY SELECTOR, LEVER HANDLE. MAXIMUM FLOW TO BE 1.5 GPM IN COMPLIANCE WITH PROJECT WATER CONSERVATION REQUIREMENTS. FAUCET SHALL COMPLY WITH FEDERAL ACT S.3874. PROVIDE RESTRICTIVE DEVICE AND ESCUTCHEON PLATE AS REQUIRED. INSULATION KIT - INCLUDE FOR EXPOSED TAPS, REFER TO 22 40 00. ARMAFLEX WITH TAPE IS NOT ACCEPTABLE IN LIEU OF INSULATION KIT.	SINK - ELKAY (LRAD22195SL) SINK TRIM - DELTA (9178-DST), AMERICAN STANDARD (4285.300), CHICAGO FAUCET (434-ABCP), ELKAY (LK6000), KOHLER (K-597-CP), GERBER (D454058), MOEN (7594-C), SYMMONS (S-2302-PD)
UB-1	UTILITY BOX - UNPAINTED GALVANIZED STEEL OR WHITE PAINTED STEEL ENCLOSURE, MATCHING FACEPLATE, ANGLE VALVE WITH 1/4" COMPRESSION OUTLET, INTEGRAL WATER HAMMER ARRESTOR. PROVIDE A 6 FOOT STAINLESS STEEL FLEXIBLE HOSE FOR CONNECTION TO EQUIPMENT.	GUY GRAY (BIM875AB), OATEY (39140 WITH 38686 FACEPLATE)
UR-1	URINAL - ACCESSIBLE, WALL MOUNTED, WHITE VITREOUS CHINA, FLUSH VALVE TYPE, WASHOUT ACTION, ELONGATED RIM, EXTENDED SIDE SHIELDS, 3/4" TOP SPUD, 2" OUTLET. FLUSH VALVE - EXPOSED, MANUAL OPERATION, 0.125 GALLONS PER FLUSH, 11-1/2" ROUGH-IN, CHROME-PLATED, 3/4" I.P.S. SCREWDRIVER STOP-CHECK VALVE, HIGH BACK PRESSURE VACUUM BREAKER, NON-HOLD-OPEN HANDLE, ADJUSTABLE TAILPIECE, SPUD COUPLING AND FLANGE, WALL FLANGE WITH SET SCREW, CHLORAMINE RESISTANT MATERIALS, 3-YEAR WARRANTY, [WATERSENSE LABELED PER LEED REQUIREMENTS]. CONTRACTOR OPTION: COMBINATION URINAL/FLUSH VALVE PACKAGED SYSTEM BY AMERICAN STANDARD, KOHLER, SLOAN, OR ZURN ACCESSORIES - SUPPORT CARRIER WITH TOP AND BOTTOM BEARING PLATES. MOUNT WITH CARRIER BOLTED SECURELY TO FLOOR. TOP OF BOWL RIM SHALL BE AT HEIGHT SPECIFIED BY ARCHITECT. VERIFY EQUIPMENT REQUIREMENTS AND ROUGH-IN LOCATIONS.	URINAL - AMERICAN STANDARD (6590.001), KOHLER (K-4991-ET), SLOAN (SU-1006/SU-1009), GERBER (27-780), TOTO (UT447), ZURN (27555-U) FLUSH VALVE - ZURN (Z6003AV-ULF), SLOAN (186-0.125), AMERICAN STANDARD (6045.013), KOHLER (K-13520-CP), AMTC (MF-700-U18)
WC-1	WATER CLOSET - ACCESSIBLE, WALL HUNG, FLUSH VALVE TYPE, WHITE VITREOUS CHINA, SIPHON JET, HIGH EFFICIENCY RATED FOR 1.28 GPF, ELONGATED BOWL, 1-1/2" TOP SPUD. FLUSH VALVE - EXPOSED, SENSOR OPERATED, BATTERY POWERED, 1.28 GALLONS PER FLUSH, CHROME PLATED 1" I.P.S. SCREWDRIVER STOP-CHECK VALVE, CHEMICAL RESISTANT MATERIAL, VACUUM BREAKER, SPUD COUPLING AND FLANGE, WALL FLANGE WITH SET SCREW, MECHANICAL OVER-RIDE BUTTON, LOW BATTERY INDICATOR LIGHT, RANGE ADJUSTMENT SCREW, 3 YEAR WARRANTY. SEAT - WHITE, EXTRA HEAVY, OPEN FRONT, INJECTION MOLDED SOLID ANTI-MICROBIAL PLASTIC, SELF-SUSTAINING HINGE, STAINLESS STEEL OR PLATED STEEL POSTS AND NUTS. CONTRACTOR OPTION: COMBINATION WATER CLOSET/FLUSH VALVE PACKAGED SYSTEM BY AMERICAN STANDARD, KOHLER, SLOAN, OR ZURN ACCESSORIES - WATER CLOSET SUPPORT CARRIER RATED FOR 500 LBS. MOUNT WATER CLOSET WITH CARRIER BOLTED SECURELY TO FLOOR. TOP OF SEAT SHALL BE AT HEIGHT SPECIFIED BY ARCHITECT. VERIFY EQUIPMENT REQUIREMENTS AND ROUGH-IN LOCATIONS.	WATER CLOSET - AMERICAN STANDARD (2257-101), SLOAN (ST-2050), ZURN (Z5615), KOHLER (K-84325), TOTO (CT7080) FLUSH VALVE - ZURN (ZH6800AV-HYD), SLOAN (111-1.28FSM), HYDROTEK (HB8-128), MOEN (8311), TOTO (TET1LA32HCP), AMTC (AEF-801-CT-12)
WMF-1	WASHING MACHINE FIXTURE - PVC/CLATIC ENCLOSURE, 2" CENTER DRAIN AND TRAP (LOCATED 18"-30" BELOW BOX) TWO QUARTER-TURN ANGLE VALVES WITH 1/2" THREADED OUTLETS AND INTEGRAL WATER HAMMER ARRESTORS. PROVIDE FLEXIBLE WATER AND WASTE LINES FOR FINAL CONNECTION TO EQUIPMENT.	WATER-TITE (4700 HA SERIES), OATEY (38600 SERIES), SYMMONS (LM600A), SIOUX CHIEF (688-G11MR), GUY GRAY

PIPE INSULATION SCHEDULE (PLUMBING)

GENERAL NOTES:
1. REFER TO THE SPECIFICATIONS FOR TYPE DESCRIPTIONS AND JACKETING REQUIREMENTS.

SYMBOL	PIPE SYSTEM	INSULATION TYPE	INSULATION THICKNESS PER NOMINAL PIPE OR TUBE SIZE					NOTES
			< 1"	1" TO < 1.5"	1.5" TO < 4"	4" TO < 8"	≥ 8"	
22 PLUMBING - WATER								
CW	COLD WATER - POTABLE	A (GlsFbr)	1/2"	1/2"	1"	1"	1"	
HW	HOT WATER - POTABLE	A (GlsFbr)	1"	1"	1 1/2"	1 1/2"	1 1/2"	
HWC	HOT WATER CIRCULATING - POTABLE	A (GlsFbr)	1"	1"	1 1/2"	1 1/2"	1 1/2"	

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150 LONGWATER DR
NORWELL, MA 02061
43 HARVARD ST
WORCESTER, MA 01609
781.871.9804
habeebarcht.com

IMEG
www.imegcorp.com
10 FRANKLIN STREET
BOSTON, MA 02110
P-617-542-0810
PROJECT #26004039.00

ADA RENOVATIONS

NEW CITIZEN'S CENTER

1407A MAIN STREET
WORCESTER, MA 01603

[illegible]

PROJECT NO: 2430.05
DATE: 08/26/2026
SCALE: AS NOTED
DRAWN BY: HP/TL
CHECKED BY: FC

PLUMBING SCHEDULES

P600

VIEW NAME

- NAME → LEVEL NAME
- 10'-0" → HEIGHT ABOVE PROJECT 0'-0"
- 1 → KEYNOTE: INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL
- INDICATES DIRECTION OF TRUE NORTH
- PLAN OR DETAIL NUMBER
- PLAN OR DETAIL NAME
- 1/8" = 1'-0" → PLAN OR DETAIL SCALE

VIEW NAME

- SIM → INDICATES SIMILAR DETAIL REFERENCED IN MULTIPLE LOCATIONS
- 1 → DETAIL REFERRED TO BY SECTION CUT
- M101 → SHEET DETAIL IS LOCATED ON
- T101 →

LINE TYPE AND TAG KEY:

NEW WORK BY THIS CONTRACTOR (WIDE LINE)

- NEW
- EXISTING TO BE REMOVED (SHORT DASHED PATTERN)
- NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)

- EXISTING
- EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)
- EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

HALFTONING DOES NOT MODIFY SCOPE.

'TAG'-E TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING

TAG-1 UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST

INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL

FIRE / SMOKE BARRIER DESIGNATIONS FIRE AND SMOKE SEPARATIONS ARE NOT SHOWN ON THESE DOCUMENTS. CONTRACTOR SHALL REVIEW THE ARCHITECTURAL PLANS AND DETERMINE THE LOCATIONS OF ALL FIRE AND SMOKE PARTITIONS, BARRIERS, AND WALLS. THIS INCLUDES FLOOR RATINGS. PRICING SHALL INCLUDE ALL MATERIALS AND LABOR REQUIRED TO MAINTAIN THE RATINGS OF ALL RATED SEPARATIONS, WHETHER SHOWN ON THE ENGINEERING PLANS OR NOT.

APPLICABLE CODES	
CONTRACTOR SHALL COMPLY WITH APPLICABLE CODES AND LOCAL AMENDMENTS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:	
BUILDING CODE:	IBC 2021 EDITION 780 CMR 10TH EDITION, MA AMENDMENTS TO IBC 2021
PLUMBING CODE:	248 CMR
MECHANICAL CODE:	IMC 2021 EDITION
ELECTRICAL CODE:	NFPA 70 (NEC) 2026 EDITION
HEALTH DEPARTMENT CODE:	CURRENT EDITION
LOCAL BUILDING CODE:	CURRENT EDITION

CONTRACTOR ABBREVIATION KEY	
ABBR:	DESCRIPTION:
A.C.	ASBESTOS ABATEMENT CONTRACTOR
A.V.C.	AUDIO/VISUAL CONTRACTOR
C.C.	CIVIL CONTRACTOR
C.M.	CONSTRUCTION MANAGER
E.C.	ELECTRICAL CONTRACTOR
F.P.C.	FIRE PROTECTION CONTRACTOR
F.S.C.	FOOD SERVICE CONTRACTOR
G.C.	GENERAL CONTRACTOR
H.C.	HEATING CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
N.C.C.	NURSE CALL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
S.C.	SECURITY CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR
T.C.C.	TEMPERATURE CONTROLS CONTRACTOR
V.C.	VENTILATION CONTRACTOR

SYMBOL LIST - VENTILATION	
SYMBOL	DESCRIPTION
SG-1 6/115 	AIR TERMINAL PROPERTIES - TAG / NECK SIZE/CFM
	DUCT CAP
 	DUCT DOWN, DUCT UP

SYMBOL LIST - SENSORS	
SYMBOL	DESCRIPTION
	THERMOSTAT

HVAC ABBREVIATION KEY	
ABBR:	DESCRIPTION:
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
C	COMMON
CO	CLEANOUT
CFSD	CONTROL/FIRE/SMOKE DAMPER
DN	DOWN
DPG (0-2")	DIFFERENTIAL PRESSURE GAUGE (RANGE)
DPS	DIFFERENTIAL PRESSURE SWITCH
EP	ELECTRICAL TO PNEUMATIC VALVE
FD	FIRE DAMPER
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FSD	FIRE/SMOKE DAMPER
MV	MIXING VALVE
N.C.	NORMALLY CLOSED
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
PS	PRESSURE SWITCH
SCCR	SHORT CIRCUIT CURRENT RATING
SD	SMOKE DAMPER
TAB	TERMINAL AIR BOX
TD	TRANSFER DUCT
TYP	TYPICAL
UC-1	DOOR UNDERCUT BY OTHERS (1" TYPICAL)
UON	UNLESS OTHERWISE NOTED

DUCT ABBREVIATION KEY	
ABBR.	DESCRIPTION
DV	DRYER VENT
EA	EXHAUST AIR

MECHANICAL DESIGN CONDITIONS:	
DESIGN CONDITIONS:	BASED ON WEATHER DATA FOR: WORCESTER, MA
SUMMER:	86°F DRY BULB, 75°F WET BULB
WINTER:	1.7°F DRY BULB

HVAC SHEET INDEX	
M000	HVAC COVERSHEET
M100	BASEMENT DEMOLITION PLAN - HVAC
M101	FIRST FLOOR DEMOLITION PLAN - HVAC
M102	ROOF DEMOLITION PLAN - HVAC
M200	BASEMENT PLAN - HVAC
M201	FIRST FLOOR PLAN - HVAC
M202	ROOF PLAN - HVAC
M300	ENLARGED BASEMENT HVAC PLANS
M301	HVAC ENLARGED FIRST FLOOR DEMOLITION PLANS
M302	HVAC ENLARGED FIRST FLOOR DEMOLITION PLANS
M303	HVAC ENLARGED FIRST FLOOR PLANS PLANS
M304	HVAC ENLARGED FIRST FLOOR PLANS PLANS
M400	HVAC DETAILS
M401	HVAC DETAILS
M500	HVAC DIAGRAMS
M600	HVAC SCHEDULES
GRAND TOTAL: 16	

PIPING GENERAL NOTES:

1. THE SIZE OF BRANCH PIPING TO TERMINAL HEATING DEVICES AND COILS SHALL BE 3/4" UNLESS NOTED OTHERWISE.
2. PIPE DRAIN LINES FROM EQUIPMENT TO NEAREST FLOOR DRAIN.
3. INSTALL ALL REFRIGERANT LIQUID AND SUCTION PIPING SIZED PER EQUIPMENT MANUFACTURER RECOMMENDATIONS.

VENTILATION GENERAL NOTES:

1. UNLESS NOTED OTHERWISE, THE SIZE OF EACH BRANCH DUCT TO AN AIR TERMINAL (E.G. GRILLE, REGISTER, DIFFUSER) SHALL MATCH THE INLET SIZE.
1. UNLESS NOTED OTHERWISE, DUCT SIZES SHOWN ON DRAWINGS ARE INSIDE CLEAR DIMENSIONS. MAINTAIN CLEAR DIMENSIONS INSIDE ANY LINING
2. ALIGN TEMPERATURE SENSORS WITH LIGHT SWITCHES WHEN IN CLOSE PROXIMITY TO EACH OTHER.
3. PROVIDE ACCESS DOORS AT ALL DUCT MOUNTED EQUIPMENT.
4. EXISTING AIR INLET AND OUTLET CFM SHOWN ON DRAWINGS ARE FROM EXISTING DRAWINGS, AND ARE FOR REFERENCE ONLY. CONTRACTOR SHALL USE PRE-BALANCE VALUES, AND NOT EXISTING CFM SHOWN ON DRAWINGS.
5. COLOR GRADING OF EXISTING DUCT PROVIDED SIZES AND PRESSURE CLASSES ARE CORRECT. DUCT IS THOROUGHLY CLEANED AND FREE OF DEFECTS, AND ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, AND DUCT WALL PENETRATIONS ARE SEALED AS SPECIFIED FOR NEW DUCTWORK.

MECHANICAL GENERAL NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, VENTILATION, PIPING AND TEMPERATURE CONTROL.

- DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
2. CATALOG AND MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE, BUT ARE GIVEN AS AN AID TO THE CONTRACTOR AND TO INDICATE THE QUALITY REQUIRED. CONTRACTOR IS RESPONSIBLE FOR THE COMPLETE DESCRIPTION OF MATERIAL SCHEDULED ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIAL AND SCHEDULED PERFORMANCE TAKES PRECEDENCE OVER THE MODEL NUMBER. THE FIRST MANUFACTURER SCHEDULED IS THE BASIS OF DESIGN.
3. DETERMINATION OF QUANTITIES OF MATERIAL AND EQUIPMENT REQUIRED SHALL BE MADE BY THE CONTRACTOR PERTAINING TO DOCUMENTS WHERE MATERIAL AND/OR QUANTITY DISCREPANCIES ARISE BETWEEN DRAWINGS, SCHEDULES AND/OR SPECIFICATIONS, THE HIGHER QUALITY/ GREATER NUMBER SHALL GOVERN.
4. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
5. COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY CONFORMANCE WITH OTHER WORK. DO NOT DELAY OR FAULTS PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
6. REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
7. ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
8. EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
9. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIO/VISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
10. EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
11. IN AREAS WITH DRYWALL CEILINGS COORDINATE LOCATIONS OF ACCESS PANELS WITH THE GC FOR ACCESS TO VALVES, DUCTWORK ACCESSORIES, DAMPERS, ETC. COORDINATE PANEL TYPE AND COLOR WITH ARCHITECT. NOTIFY THE GC OF THE REQUIRED ACCESS PANELS PRIOR TO BIDDING.
12. SEAL ALL FLOOR, WALL, AND ROOF PENETRATIONS AIRTIGHT WHERE CONDUTS, PIPING, AND DUCTS PENETRATE. PENETRATIONS THROUGH EXTERIOR WALLS AND ROOF SHALL BE SEALED AIRTIGHT WITH WATERPROOFING MATERIALS RECOMMENDED BY MANUFACTURER FOR OUTDOOR USE.
13. CAULK ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL, PARTITION, FLOOR, AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS.
14. WHERE PIPES AND DUCTS ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVED OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH ALL RELEVANT SPEC SECTIONS. SEAL SLEEVE PERIMETER TO BE WATERTIGHT.
15. EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY AMONG DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, PIPING, DUCTWORK, ETC.
16. DO NOT BLOCK TUBE PULP OR EQUIPMENT SERVICE CLEARANCES.
17. MAINTAIN A MINIMUM WORKING CLEARANCE OF 3'-6" IN FRONT OF ALL ELECTRICAL EQUIPMENT REQUIRING MAINTENANCE, INSPECTION, AND TESTING INCLUDING BUT NOT LIMITED TO PANELS, DISTRIBUTION PANELS, SWITCHBOARDS, MOTOR CONTROL CENTERS, TRANSFORMERS, EQUIPMENT DISCONNECTS AND STARTERS.
18. MAINTAIN THE DEDICATED ELECTRICAL EQUIPMENT SPACE DEFINED BY THE WIDTH / DEPTH OF ELECTRICAL EQUIPMENT MEASURED FROM THE FLOOR TO A HEIGHT 6'-0" ABOVE THE EQUIPMENT OR THE STRUCTURAL CEILING, WHICHEVER IS LOWER. SYSTEMS FOREIGN TO THE ELECTRICAL DISTRIBUTION SYSTEM ARE NOT ALLOWED IN THE DEDICATED ELECTRICAL SPACE INCLUDING DUCTWORK, PIPING, ETC.
19. PROVIDE CONCRETE EQUIPMENT PADS FOR ALL FLOOR-MOUNTED EQUIPMENT. PADS SHALL EXTEND A MINIMUM OF 6 INCHES BEYOND ALL SIDES OF EQUIPMENT, UNLESS SUCH EXTENSION WOULD ENCRONCH ON REQUIRED WORKING CLEARANCES AT CONTROL PANELS OR ELECTRICAL EQUIPMENT. PROVIDE 1/2-INCH CHAMFER (45-DEGREE) OR 1/2-INCH RADIUS AT ALL HORIZONTAL EDGES.
20. DO NOT EXCEED 25 LBS PER HANGER AND A MINIMUM SPACING OF 2'-0" ON CENTER WHEN ATTACHING TO METAL ROOF DECKING (LIMITATION NOT REQUIRED WITH CONCRETE ON METAL DECK). THIS 25 LBS. LOAD AND 2'-0" SPACING INCLUDE ADJACENT ELECTRICAL AND ARCHITECTURAL ITEMS HANGING FROM DECK. IF THE HANGER RESTRICTIONS CANNOT BE ACHIEVED, SUPPLEMENTAL FRAMING OFF STEEL FRAMING SHALL BE ADDED. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.
- REASON: MAINLINE SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN UNTIL NEW SYSTEMS ARE INSTALLED.
10. MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR TIE IN AND SWITCHOVER. DRAIN SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER BEFORE PARTIALLY OR COMPLETELY DRAINING SYSTEM. MAKE CHANGEOVER TO NEW SYSTEMS WITH MINIMUM OUTAGE.
11. DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED.
12. PROPERLY RECLAIM AND DISPOSE OF ALL REFRIGERANT IN REMOVED EQUIPMENT/REFRIGERANT PIPING. RECLAIMED REFRIGERANT SHALL HAVE DOCUMENTATION AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION (AHJ).
- ## TAB PRE-DEMOLITION NOTES:
1. BEFORE ANY DEMOLITION WORK IS BEGUN AN AIR BALANCE TEST SHALL BE PERFORMED BY THE TESTING, ADJUSTING AND BALANCING (TAB) CONTRACTOR FOR EQUIPMENT AND DEVICES AS INDICATED ON THE DRAWINGS. EQUIPMENT TO BE DEMOLISHED DOES NOT REQUIRE TESTING. PROVIDE AIR BALANCE TESTING ONLY ON EQUIPMENT THAT WILL CONTINUE TO BE USED TO SERVE RENOVATED AREAS AFTER THE CONSTRUCTION PHASE IS COMPLETED.
2. TAB CONTRACTOR SHALL COMPILE AND SUBMIT THE FINAL PRE-DEMOLITION REPORT WITHIN 10 WORKING DAYS AFTER THE FIELD MEASUREMENTS ARE COMPLETED. FINAL TAB REPORT SHALL BE SUBMITTED FOR REVIEW TO THE ARCHITECT/ENGINEER. TESTING SHALL INCLUDE ALL ITEMS REQUIRED IN THE SPECIFICATIONS.
3. BALANCING CONTRACTOR SHALL PRE-BALANCE ALL EXISTING SYSTEMS TO REMAIN PER SPECIFICATION SECTION 23 05 93. BALANCE READINGS WILL BE REQUIRED AT AIR OUTLETS TO VERIFY EXISTING AIRFLOW TO UNAFFECTED SPACES.
- ## TAB POST-CONSTRUCTION NOTES:
1. AFTER CONSTRUCTION ACTIVITIES ARE COMPLETE, TESTING, ADJUSTING (TAB) AND BALANCING CONTRACTOR SHALL REBALANCE AIR HANDLING UNITS AND EXHAUST FANS AS REQUIRED TO ACHIEVE THE NEW AIRFLOW VALUES SHOWN ON THE CONSTRUCTION DRAWINGS.
2. AREAS SERVED BY THIS EQUIPMENT WHICH WERE NOT RENOVATED SHALL BE RE-BALANCED TO THE AIRFLOW RATES MEASURED BEFORE THE RENOVATION OCCURRED (REFER TO THE FINAL PRE-DEMOLITION REPORT).
3. TAB CONTRACTOR SHALL COMPILE AND SUBMIT COPIES OF THE FINAL POST-CONSTRUCTION TAB REPORT AS REQUIRED BY SECTION 23 05 93.
4. THE FINAL POST CONSTRUCTION REPORT SHALL INCLUDE ALL ITEMS REQUIRED IN THE SPECIFICATIONS.
5. DIFFERENTIAL PRESSURE CONTROLLED SPACES: TAB CONTRACTOR IS PERMITTED TO ADJUST RETURN AIR (RA) AIRFLOW RATES IN DP-CONTROLLED ROOMS AS NEEDED TO ACHIEVE SPECIFIED PRESSURE DIFFERENTIALS. ROOM RETURN CFMS SHOWN ON DRAWINGS ARE BASELINE ESTIMATES ONLY; ACTUAL VALUES MUST BE FIELD-ADJUSTED TO MAINTAIN SPECIFIED DP SETPOINTS.

MECHANICAL RENOVATION NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, VENTILATION, PIPING AND TEMPERATURE CONTROL.

1. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
2. NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK.
3. FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK AND PIPING BEFORE FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
4. EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF THEIR WORK AND SHALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BIDDING IF OTHER UTILITIES ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO THEIR AREA OF WORK.
5. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, REMOVAL AND PATCHING OF ROOFS, WALLS, AND FLOORS ASSOCIATED WITH WORK BY ALL CONTRACTORS.
6. CONTRACTORS SHALL NOTIFY THE GC OF AFFECTED AREAS PRIOR TO BIDDING. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF SKETCHES, PHOTOS, AND CEILING GRID ASSOCIATED WITH AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO BIDDING.
7. WHERE EXISTING MECHANICAL SYSTEMS DIFFER FROM THOSE SHOWN ON THE PROJECT DRAWINGS AND CREATE CONFLICTS WITH NEW EQUIPMENT, PIPING, OR DUCTWORK INSTALLATIONS, THE CONTRACTOR SHALL PROVIDE DETAILED DOCUMENTATION (SUCH AS SKETCHES, PHOTOS, AND DIMENSIONS) ALONG WITH RECOMMENDATIONS TO RESOLVE THE CONFLICT. THIS INFORMATION MUST BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. NO WORK RELATED TO THE CONFLICT SHALL PROCEED UNTIL AN APPROVED REPAIR PLAN IS PROVIDED BY THE ENGINEER.
8. PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS THAT REMAIN ACTIVE.
9. OBTAIN PERMISSION FROM OWNER BEFORE SHUTTING DOWN ANY SYSTEM FOR ANY REASON. MAINTAIN SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN UNTIL NEW SYSTEMS ARE INSTALLED.
10. MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR TIE IN AND SWITCHOVER. DRAIN SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER BEFORE PARTIALLY OR COMPLETELY DRAINING A SYSTEM AND ADVISE THE CONTRACTOR WITH MILES OUTAGE.
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12. PROVIDE RECLAIM AND DISPOSE OF ALL REFRIGERANT IN REMOVED EQUIPMENT/REFRIGERANT PIPING. RECLAIMED REFRIGERANT SHALL HAVE DOCUMENTATION AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION (AHJ).

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HVAC COVERSHEET

M000

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$$3/32'' = 1'-0''$$
[illegible]

PROJECT NO: 2430.05
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**BASEMENT
DEMOLITION PLAN -
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M100

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1

ROOF DEMOLITION PLAN - HVAC

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**ROOF DEMOLITION
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M102



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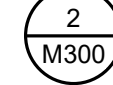
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**BASEMENT PLAN -
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M200

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**FIRST FLOOR PLAN -
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M201



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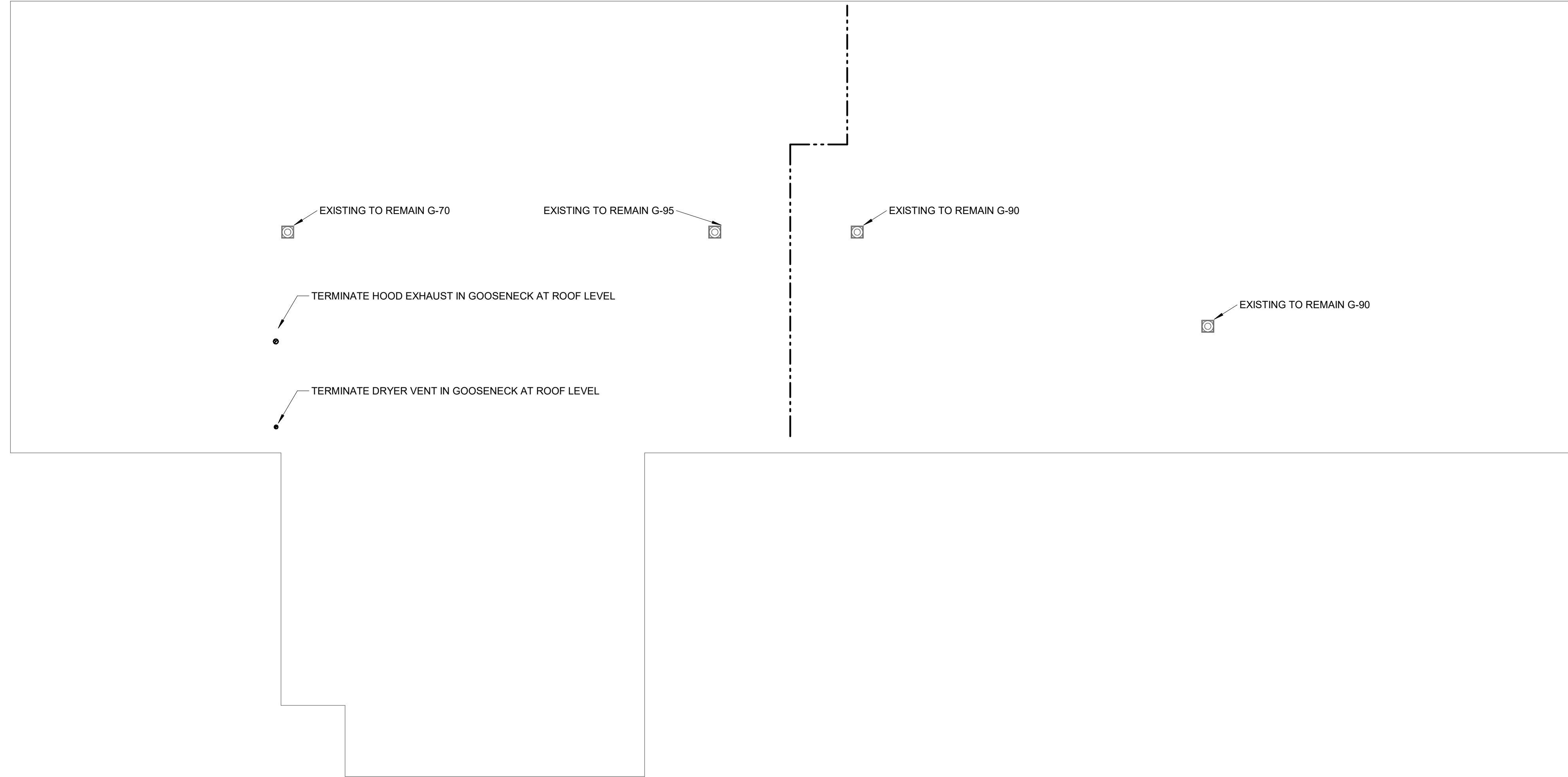
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ROOF PLAN - HVAC

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ROOF PLAN - HVAC

M202



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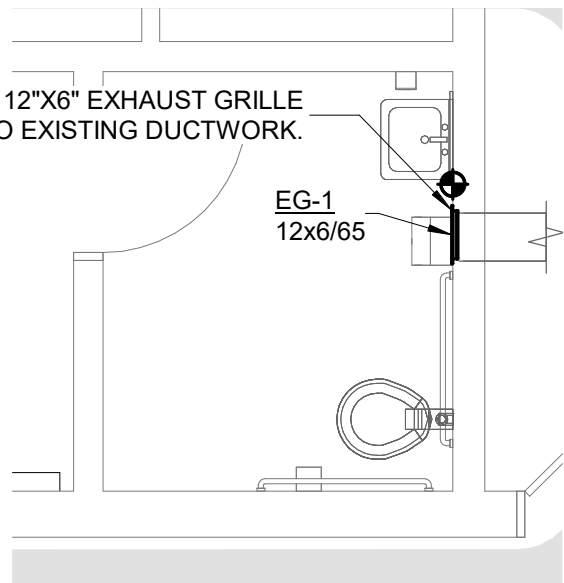
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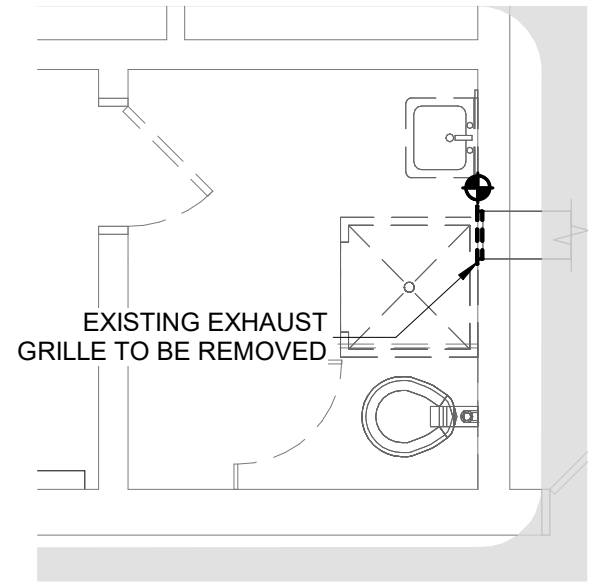
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2 BASEMENT RESTROOM ENLARGED PLAN



1 BASEMENT RESTROOM ENLARGED DEMO PLAN
1/4" = 1'-0"

[illegible]

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ENLARGED BASEMENT HVAC PLANS

M300

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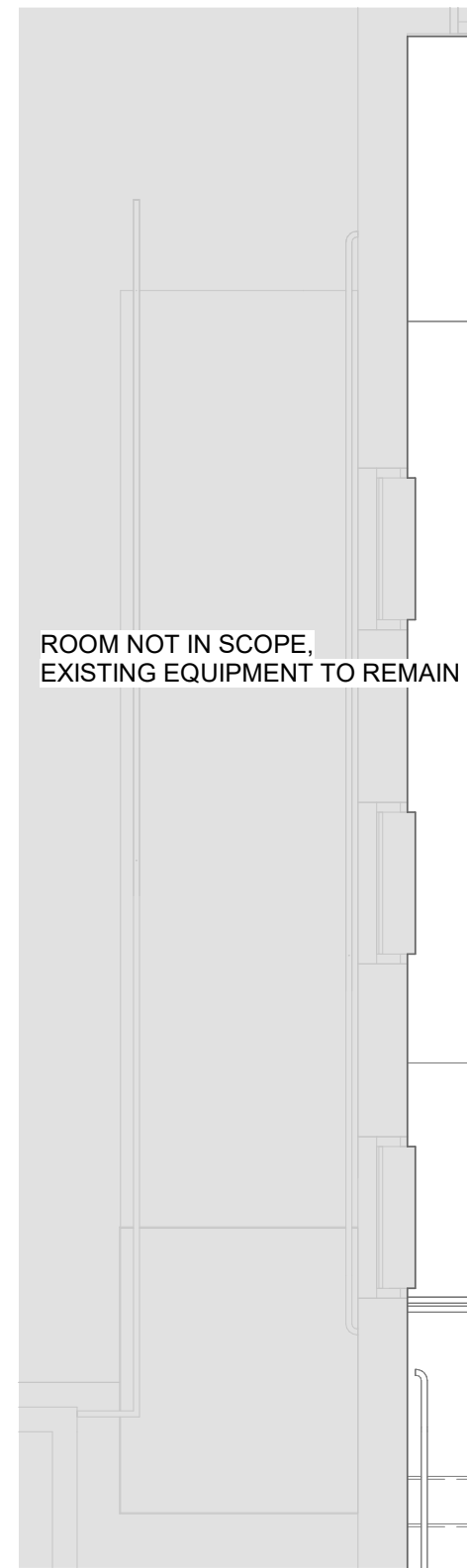
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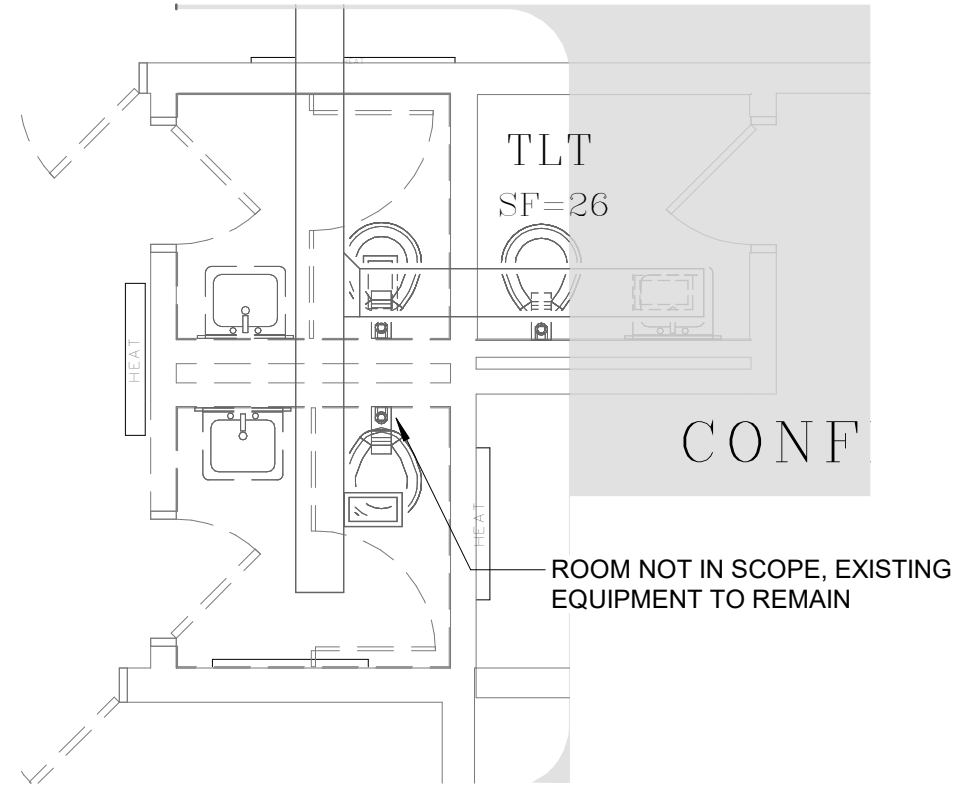
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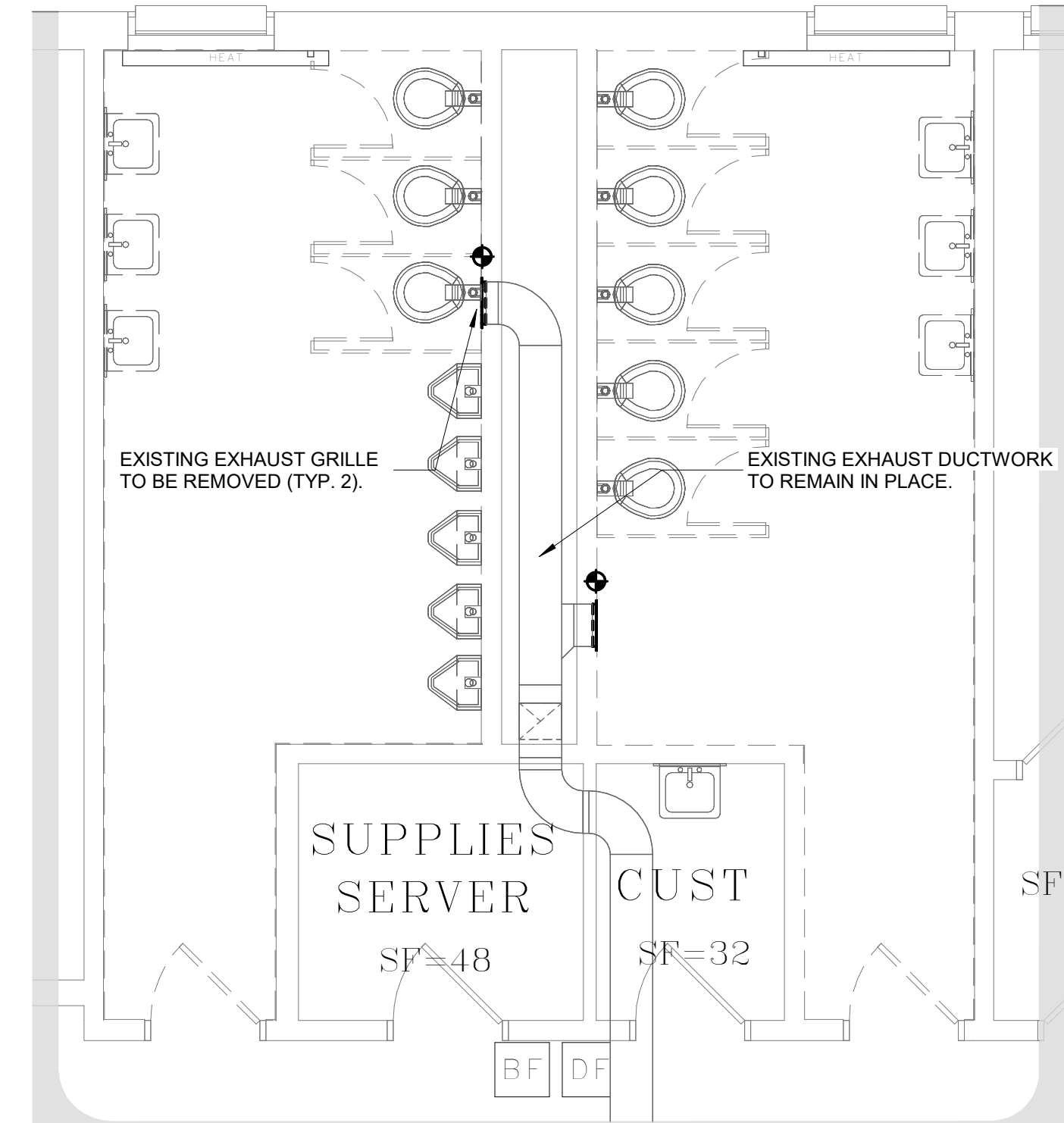
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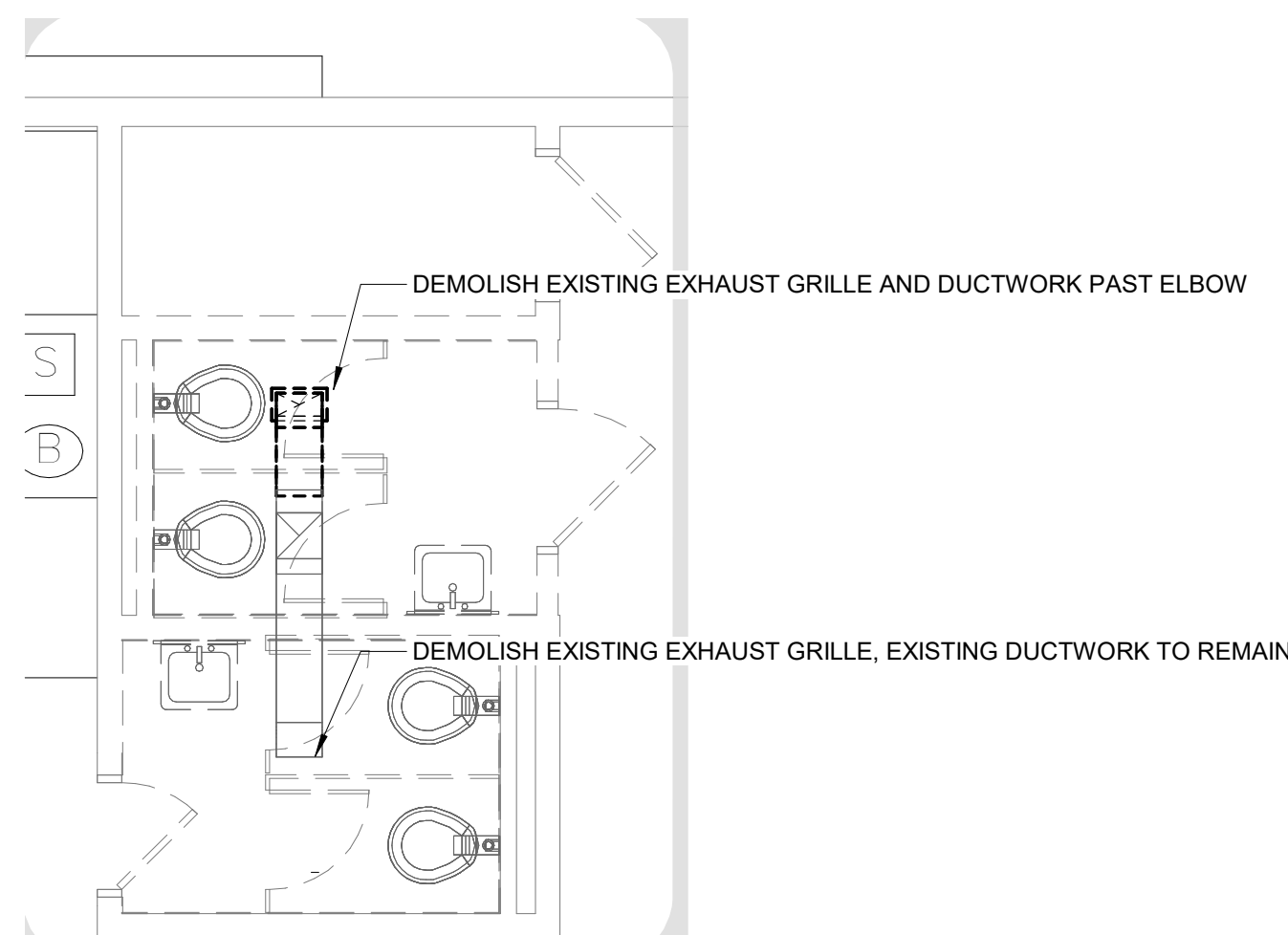
1 FIRST FLOOR RAMP ENLARGED DEMO PLAN
1/4" = 1'-0"



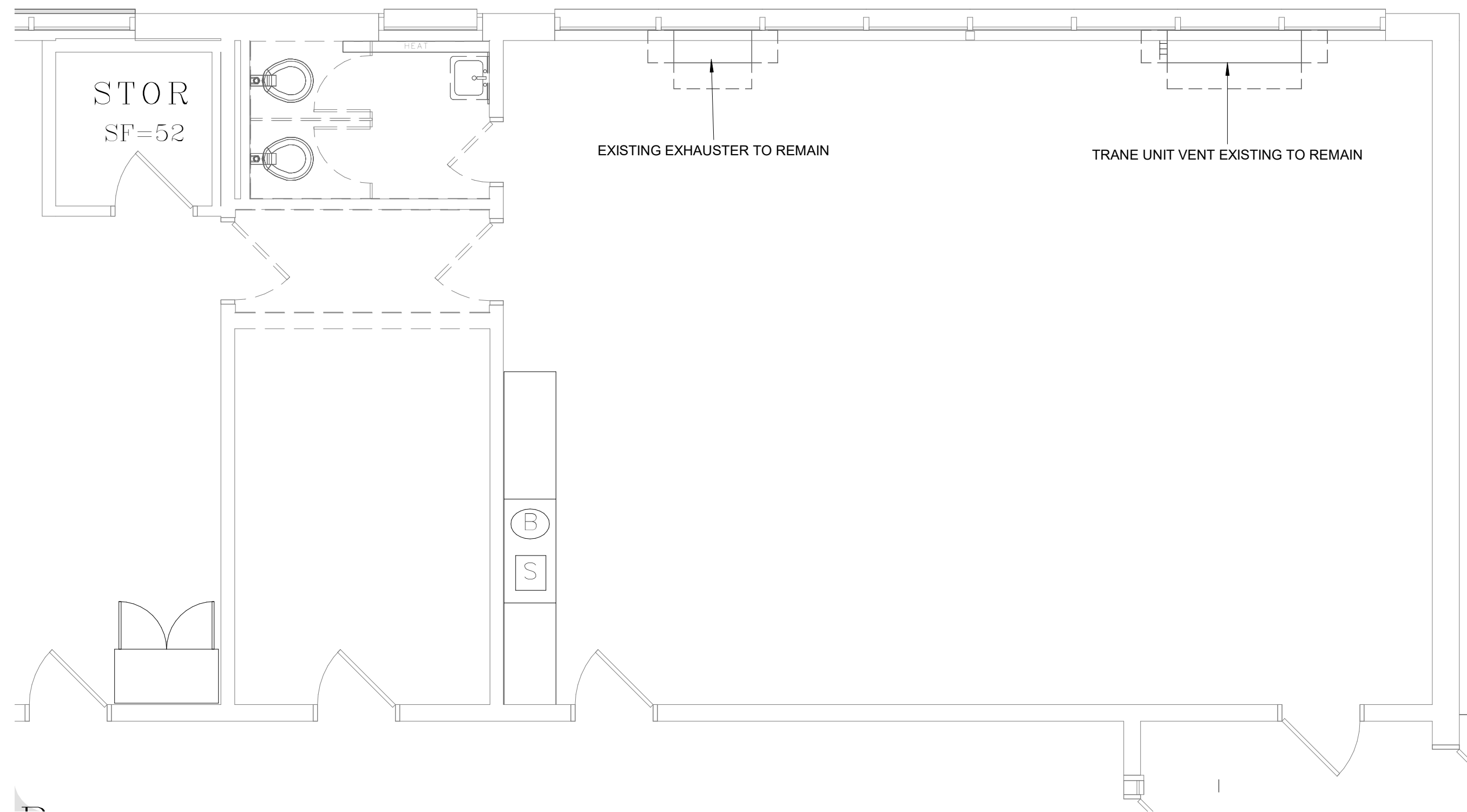
2 FIRST FLOOR RESTROOM ENLARGED DEMO PLAN
1/4" = 1'-0"



3 RESTROOMS ENLARGED DEMO PLAN



4 OFFICE & RESTROOM ENLARGED DEMO PLAN
1/4" = 1'-0"



5 CLASSROOM & WET ROOM ENLARGED DEMO PLAN - HVAC
1/4" = 1'-0"

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HVAC ENLARGED FIRST FLOOR DEMOLITION PLANS

M301

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C

FIRST FLOOR LIBRARY & KITCHEN ENLARGED DEMO PLAN

4

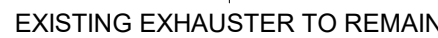


FREEZER

FRIG

FIRST FLOOR CLASSROOM 21 ENLARGED DEMO PLAN

2



EXISTING TRANE UNIT VENT TO REMAIN

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HVAC ENLARGED FIRST FLOOR DEMOLITION PLANS

M302

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NEW CITIZEN'S CENTER

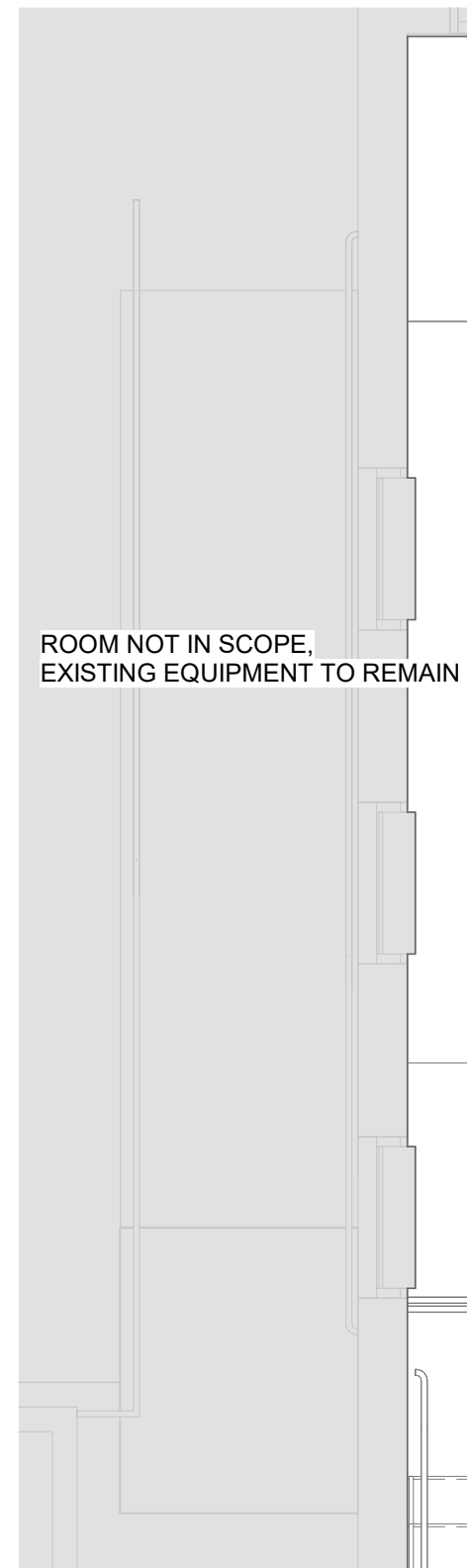
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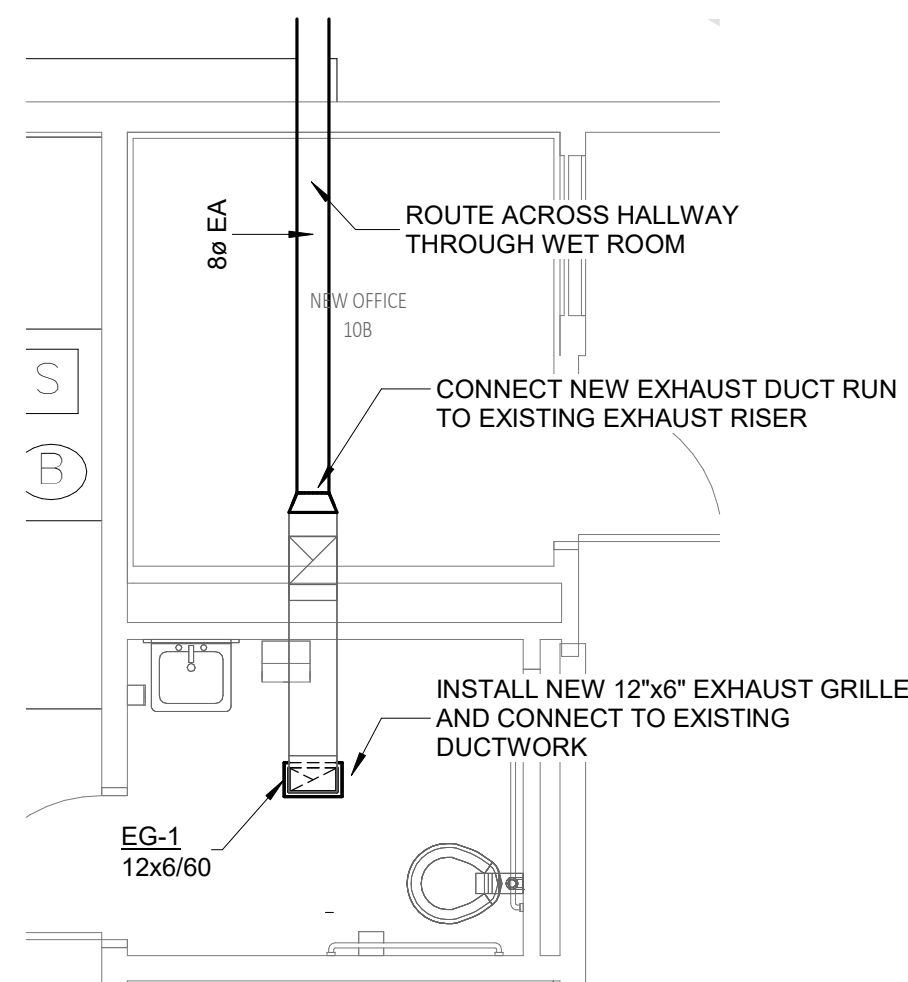
H&A
160 LONGWATER DR
NORWELL, MA 02061
43 HAWKARD ST
WORCESTER, MA 01609
781.871.3804
habeeb@aia.com

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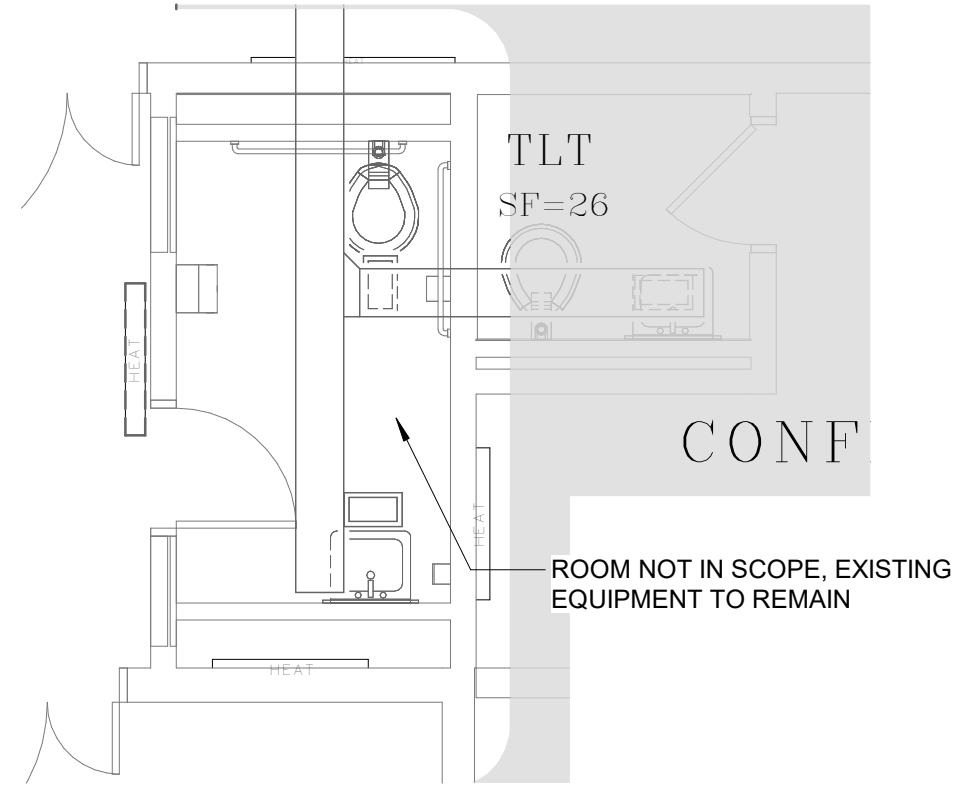
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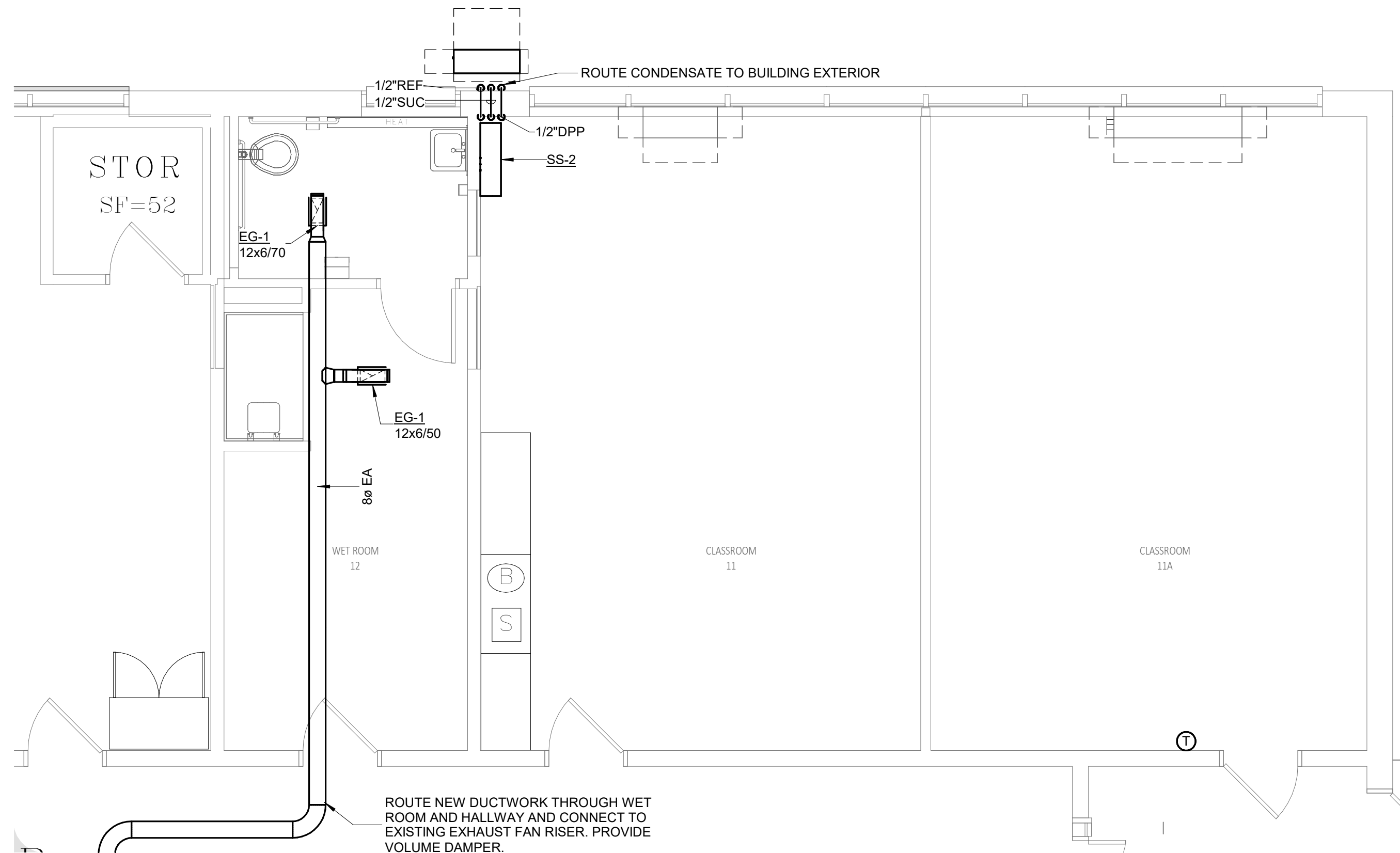
1 FIRST FLOOR RAMP ENLARGED PLAN
1/4" = 1'-0"



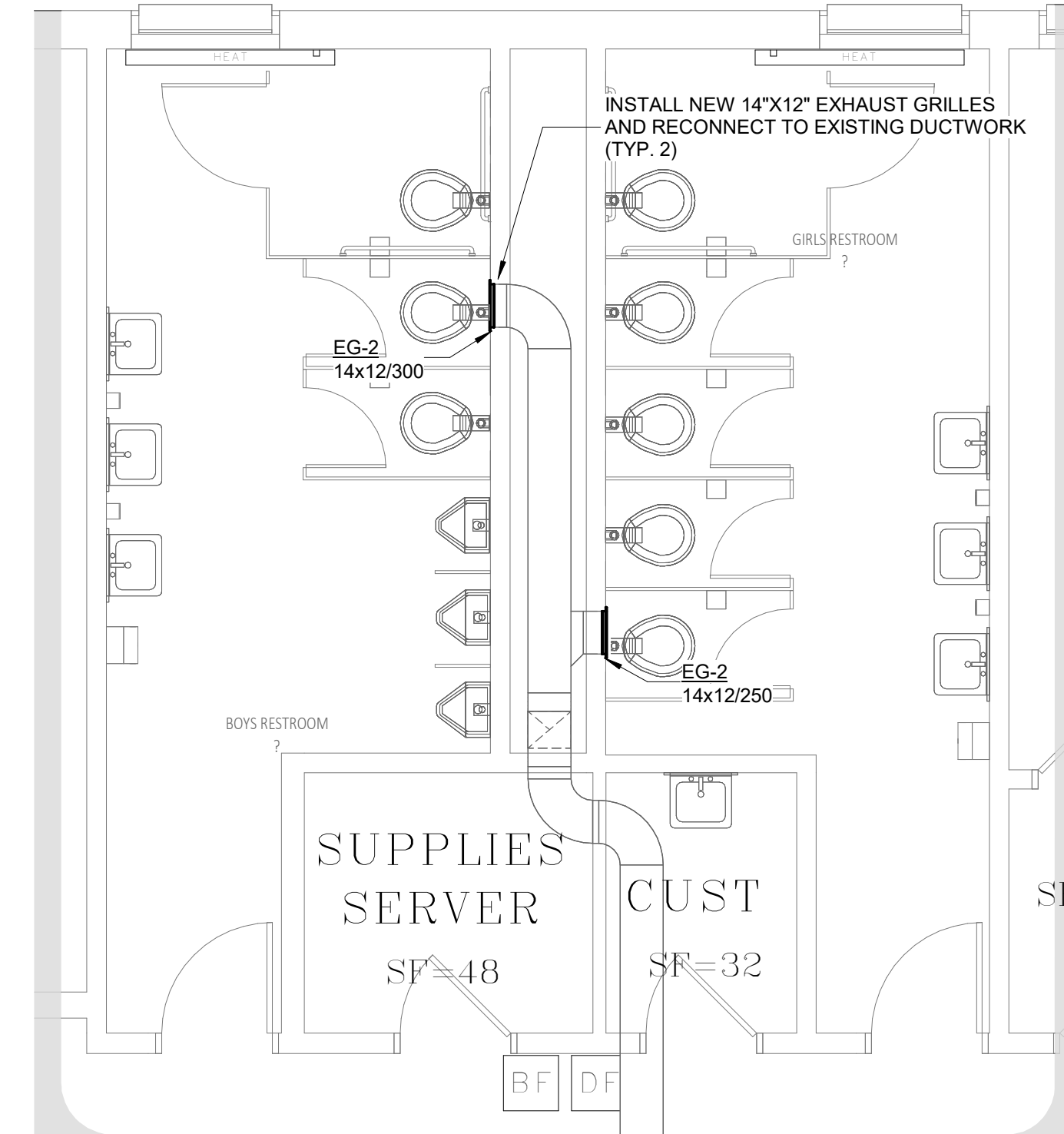
4 OFFICE & RESTROOM ENLARGED PLAN



2 FIRST FLOOR RESTROOM ENLARGED PLAN
1/4" = 1'-0"



5 CLASSROOM & WET ROOM ENLARGED PLAN - HVAC
1/4" = 1'-0"



3 RESTROOMS ENLARGED PLAN

[illegible]

PROJECT NO: 2430.05
DATE: 08/26/2026
SCALE: AS NOTED
DRAWN BY: Author
CHECKED BY: Checker

HVAC ENLARGED FIRST FLOOR PLANS PLANS

M303

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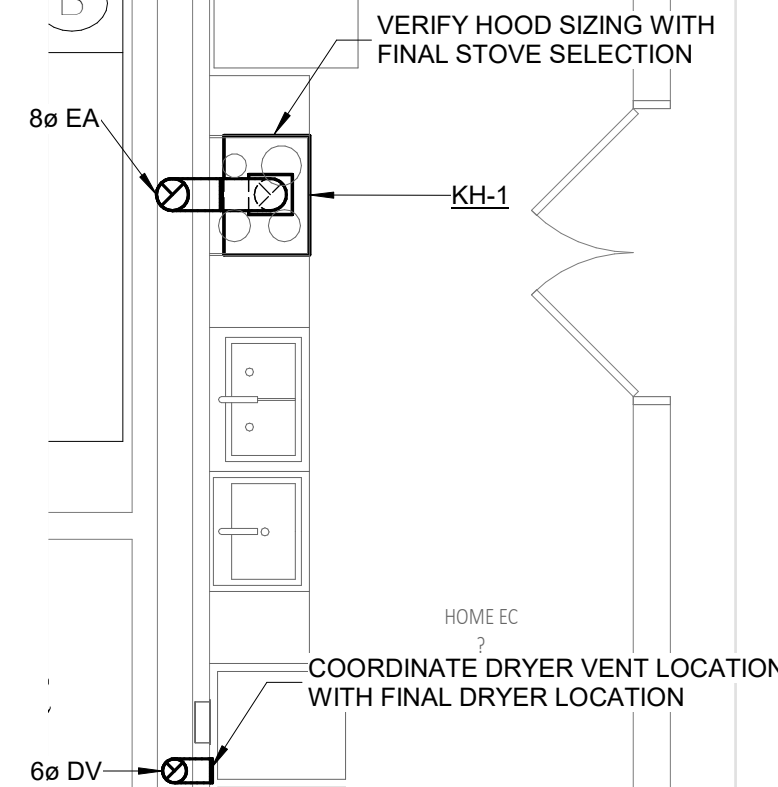
ADA RENOVATIONS

NEW CITIZEN'S CENTER

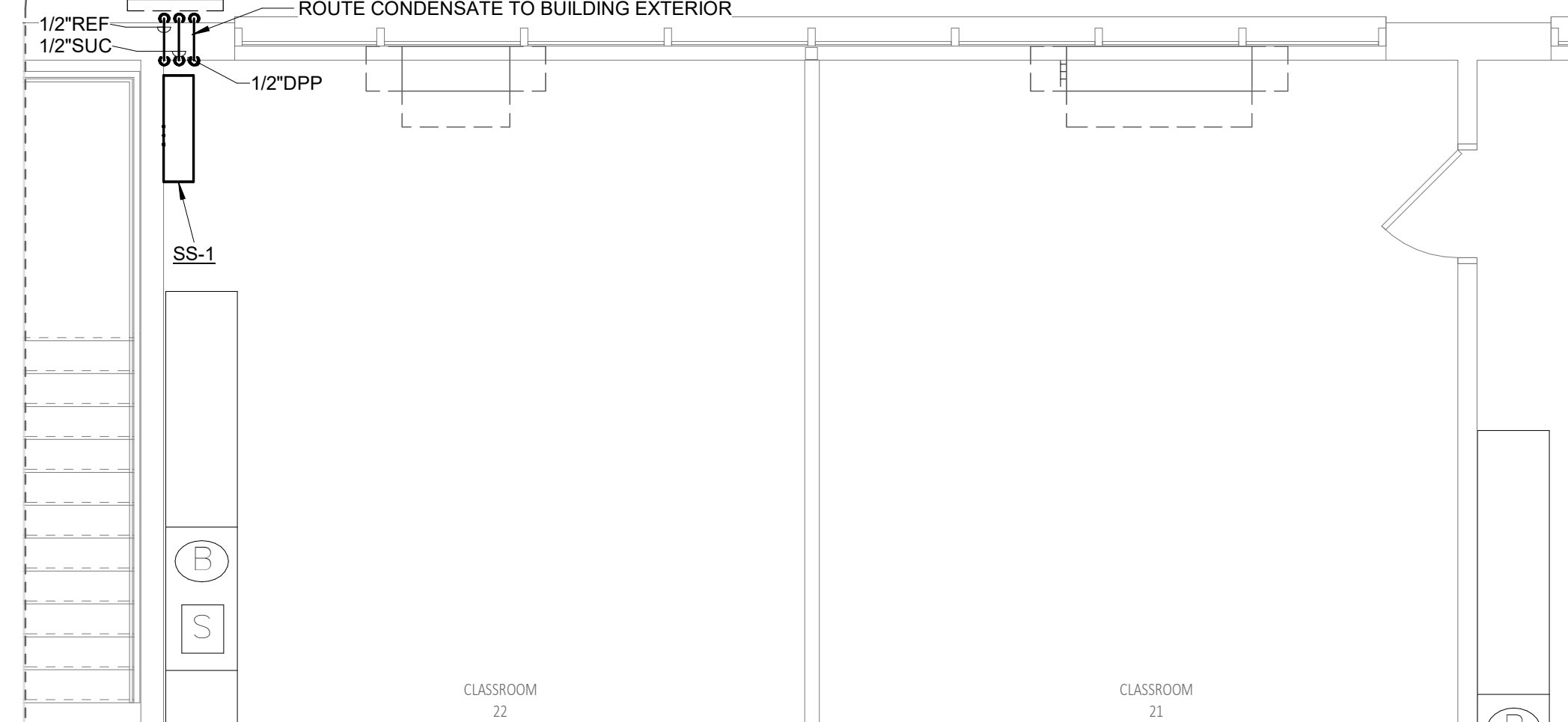
1407A MAIN STREET
WORCESTER, MA 01603

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150 LONGWATER DR
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1 FIRST
1/4" = 1'-0"



2 FIRST
1/4" = 1'-0"

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PROJECT #26004039.00

ADA RENOVATIONS

NEW CITIZEN'S CENTER

**1407A MAIN STREET
WORCESTER, MA 01603**

[illegible]

PROJECT NO: 2430.05
DATE: 08/26/2026
SCALE: AS NOTED
DRAWN BY: Author
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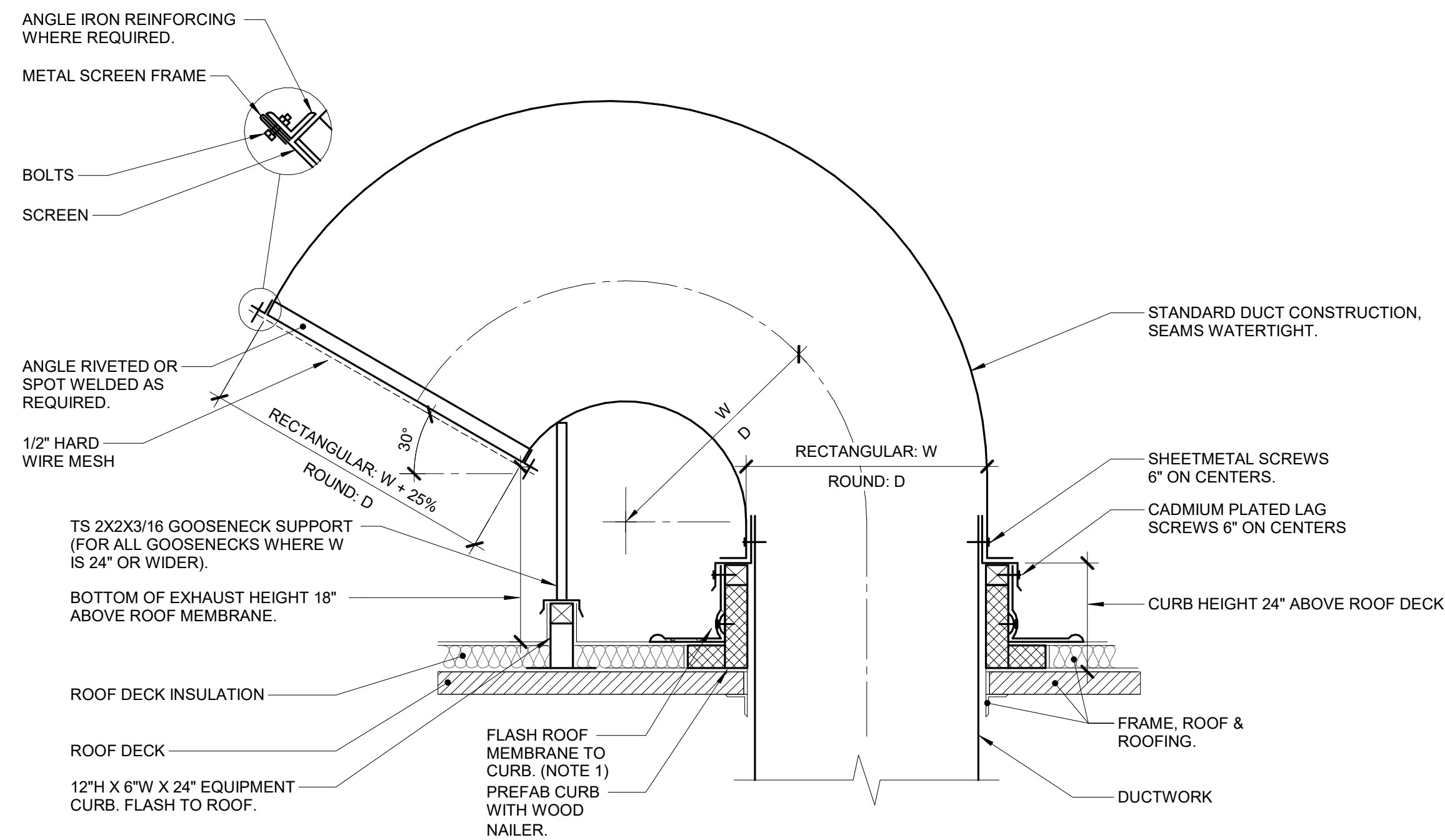
HVAC ENLARGED FIRST FLOOR PLANS PLANS

M304

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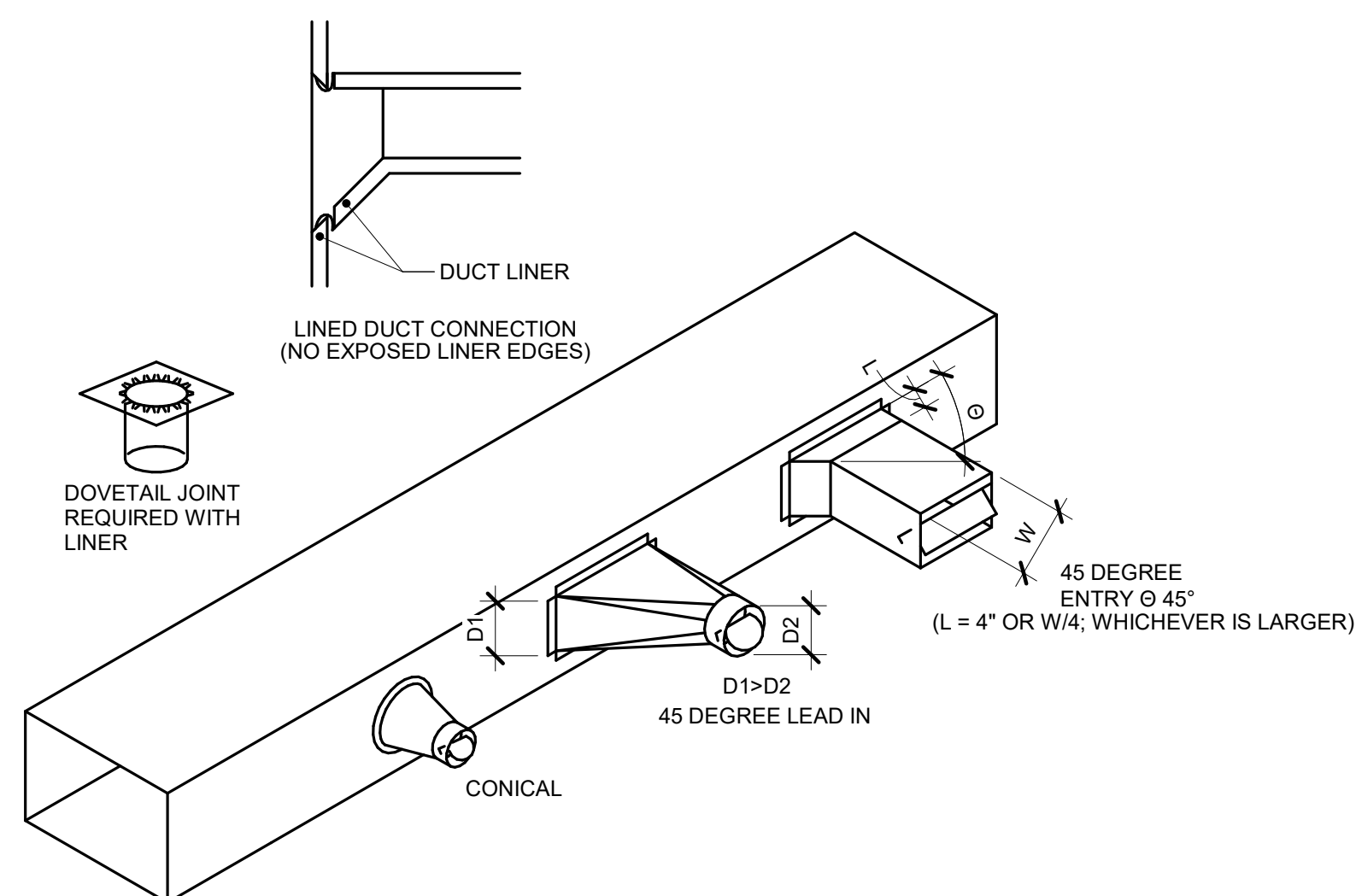


NOTES:

1. ALL ROOF FLASHING SHALL BE PER ROOF MANUFACTURER'S RECOMMENDATIONS.

1 ROOF PENETRATION - GOOSENECK DUCT - MEMBRANE ROOF

NO SCALE

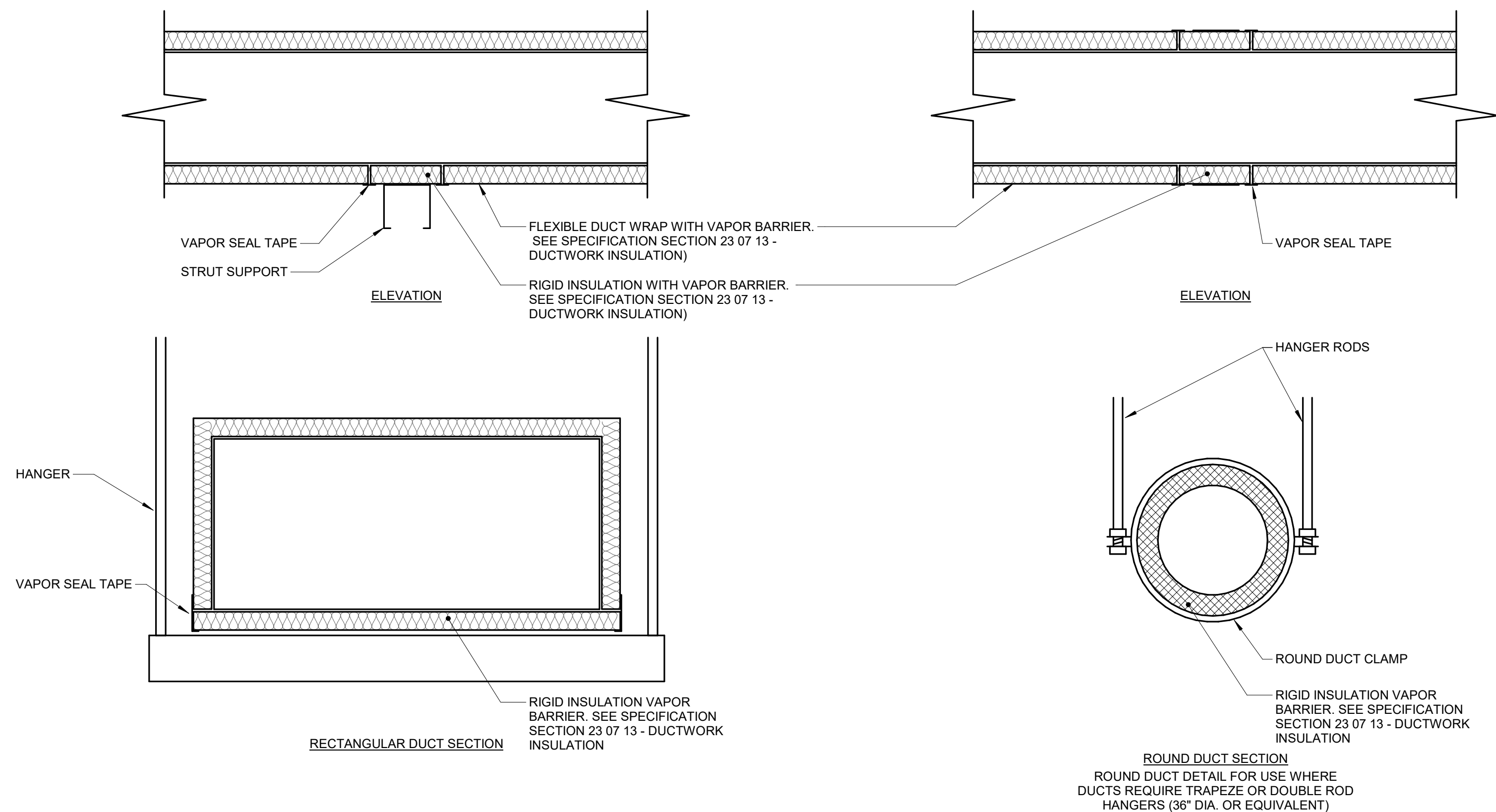


NOTES:

1. DO NOT USE CONNECTIONS WITH SCOOPS.
2. FIT ALL CONNECTIONS TO AVOID VISIBLE OPENINGS AND SEAL SUITABLY FOR THE PRESSURE CLASS
3. ADDITIONAL MECHANICAL FASTENERS ARE REQUIRED FOR 4" W.G. AND OVER.
4. REFER TO SPECIFICATIONS FOR VOLUME DAMPER REQUIREMENTS.
5. OPENINGS SHALL BE CUT ACCURATELY (SHAPE AND SIZE).
6. STRAIGHT TAPS ONLY ALLOWED DOWNSTREAM OF TERMINAL AIR BOX OR LOW PRESSURE (<2"W.C. PRESSURE CLASS)

3 DUCT - BRANCH CONNECTIONS

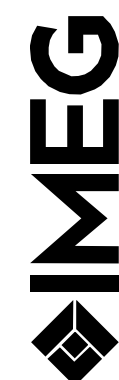
NO SCALE



2 DUCT - HANGERS WRAPPED

NO SCALE

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[illegible]

PROJECT NO: 2430.05

DATE: 08/26/202

SCALE: AS NOTED

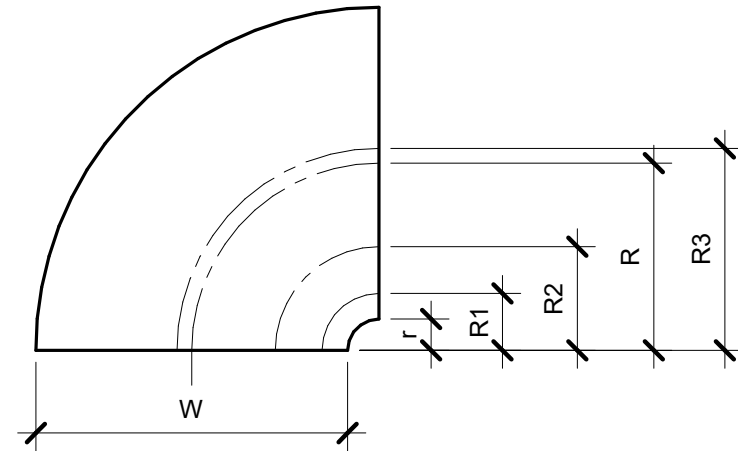
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HVAC DETAILS

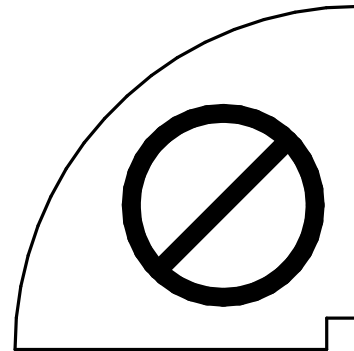
M400

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**RECTANGULAR
RADIUS ELBOW WITH VANES
TYPE RE3**

REFER TO SMACNA HVAC SYSTEMS DUCT DESIGN MANUAL, FOURTH EDITION, SECTION 5.14 "SPLITTER VANES" AND SMACNA HVAC DUCT CONSTRUCTION STANDARDS, THIRD EDITION, FIGURES 4-2 AND 4-9 AND CHARTS 4-1 AND 4-1M. ELBOW SHALL HAVE THREE SPLITTER VANES AND $r/W = 0.10$ ($R/W = 0.60$) UNLESS NOTED OTHERWISE.



RECTANGULAR RADIUS ELBOW WITH SQUARE THROAT

USE ONLY AS PART OF OFFSETS
AND TRANSITIONS PER FIGURE 4-7
TYPE 2 OR AS SHOWN ON
DRAWINGS. OFFSETS ABOVE 30°
SHALL BE TYPE RE1.

NOT ALLOWED

NOTES:

1. BEAD, CROSSBREAK, AND REINFORCE FLAT SURFACES AS IN STRAIGHT DUCT.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. DEFAULT ELBOW SHALL BE TYPE "RE1".
4. ELBOW TYPES SHALL BE INSTALLED AS SHOWN ON THE PLANS. SUBSTITUTIONS ARE NOT PERMITTED WITHOUT PRIOR PERMISSION. EXCEPTION: WHEN RE2 IS SHOWN, RE1 OR RE3 MAY BE USED IN PLACE OF RE2. RE2 SHALL NOT BE USED WHEN RE1 OR RE3 ARE SHOWN.

DUCT - ELBOW CONSTRUCTION

NO SCALE

[illegible]

PROJECT NO: 2430.05
DATE: 08/26/2026
SCALE: AS NOTED
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HVAC DETAILS

M401

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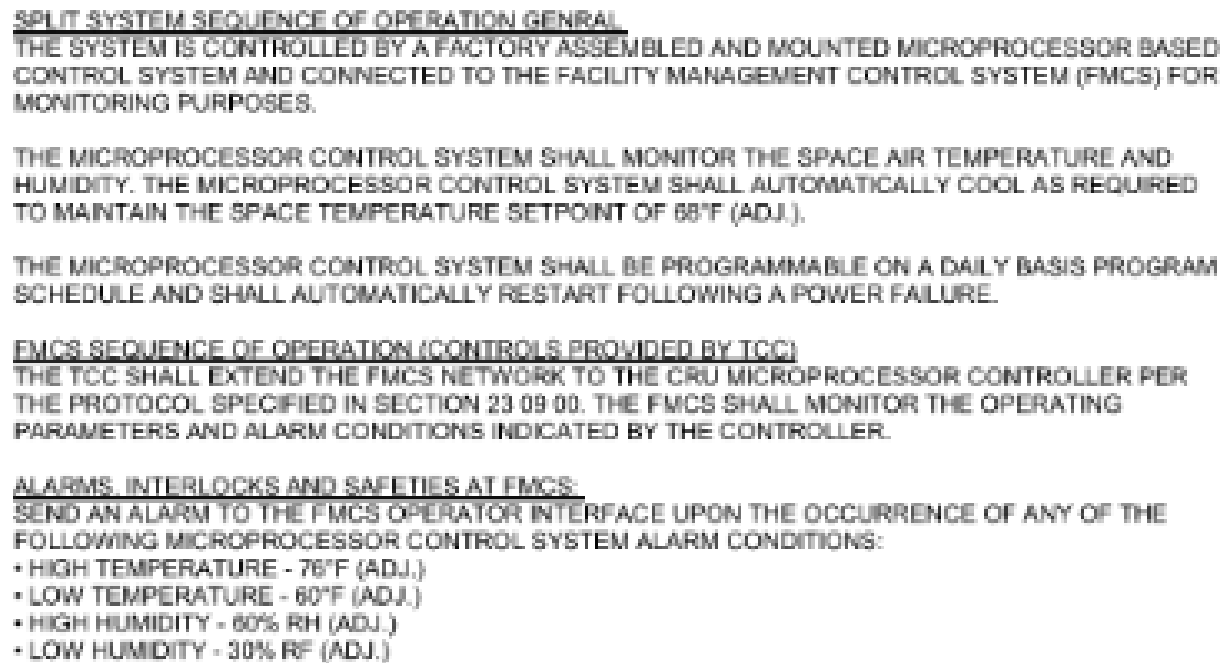
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WORCESTER, MA 01603

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NO SCALE



NO SCALE

1. REFER TO EQUIPMENT SCHEDULES TO CROSS REFERENCE WHICH CONTROL DIAGRAMS APPLY TO WHICH ITEMS OF EQUIPMENT.
2. EACH D.I., D.O., A.I. AND A.O. POINT SHOWN FOR ALL CONTROL DIAGRAMS SHALL BE DISCRETE FROM ALL OTHER POINTS EXCEPT AS SPECIFICALLY NOTED.
3. ALL WIRING SHALL BE IDENTIFIED BY DEVICES AND PROGRAMMING SHOWN ON THESE CONTROL DRAWINGS SHALL BE PROVIDED BY THE TCC UNLESS SPECIFICALLY NOTED OTHERWISE.
4. TEMPERATURE CONTROL CABLING, CONDUIT, BOXES, IDENTIFICATION: REFER TO THE SPECIFICATIONS FOR A COMPLETE LIST OF REQUIREMENTS. THE FOLLOWING SCHEDULE IS PROVIDED AS A CONVENIENCE. REFER TO SECTION 23 09 00 AND DIV 26 FOR ADDITIONAL DETAILED REQUIREMENTS.
 - A. CABLE/WIRE JACKET COLOR: BLUE
 - B. CONDUIT BOX COLOR ABOVE FINISHED CEILINGS AND UNFINISHED SPACES WITHOUT CEILINGS: BLUE
 - C. CONDUIT BOX COLOR IN SPACES WITH EXPOSED FINISHED STRUCTURE: BLUE
5. ALL ACTUATORS BE OF THE SAME ELECTRICAL TYPE FOR THIS PROJECT UNLESS AN ACTUATOR IS SPECIFICALLY INDICATED ON THE DRAWINGS OR SPECIFICATIONS TO BE PNEUMATIC.
6. ALL MODULATING DAMPER AND VALVE ACTUATORS SHOWN WITH POSITION FEEDBACK SHALL HAVE THE VALVE POSITION DISPLAYED ON GRAPHICAL SCREEN ADJACENT TO THE DAMPER/VALVE. THE VALVE POSITION DISPLAYED VALVE POSITION SHALL BE FROM THE FEEDBACK DEVICE/CIRCUIT (OUTPUT SIGNAL FROM THE FMCS TO THE ACTUATOR IS NOT ACCEPTABLE).
7. MODULATING SIGNALS SHALL BE DISPLAYED AS % OPEN (SIGNALS DISPLAYED AS % CLOSED ARE NOT ACCEPTABLE).
8. PRESSURE TRANSMITTERS WHOSE SIGNAL IS UTILIZED FOR MAINTAINING DUCT STATIC PRESSURE SHALL BE WIRE DIRECTLY TO THE CONTROLLER THAT MODULATES FAN SPEED. SIGNAL SHALL BE COMPLETELY INDEPENDENT OF THE FMCS NETWORK.
9. PRESSURE TRANSMITTERS WHOSE SIGNAL IS UTILIZED FOR MAINTAINING DIFFERENTIAL PRESSURE OF ANY PUMPED WATER SYSTEM (E.G. HEATING HOT WATER, CHILLED WATER AND THE LIKE) SHALL BE WIRE DIRECTLY TO THE CONTROLLER THAT MODULATES PUMP SPEED. SIGNAL SHALL BE COMPLETELY INDEPENDENT OF THE FMCS NETWORK.
10. ALL CONTROL COMPONENTS SUCH AS RELAYS, SWITCHES, DDC CONTROLLERS, ETC. SHALL BE MOUNTED IN STEEL ENCLOSURES WITH STEEL MOUNTING BACKPLATES PER SPECIFICATION 23 09 00.
11. EACH CONTROL PANEL SHALL HAVE A LAMINATED COPY OF THE APPLICABLE SEQUENCE OF OPERATION AND CONTROL DIAGRAM INDICATING THE POINTS, COMPONENTS AND OPERATION OF EQUIPMENT ASSOCIATED WITH EACH PANEL. REFER TO SECTION 23 09 00 FOR ADDITIONAL REQUIREMENTS.
12. TCC SHALL WIRE THE CONTROL SIGNAL FROM THE ASSOCIATED CRAC UNIT CONTROL PANEL TO CONTROL THE OPERATION OF SMOKE DAMPERS IN ACCORDANCE WITH SEQUENCE OF OPERATION. TCC SHALL PROVIDE ALL WIRING, CONDUIT, TRANSFORMERS, FUSING AND ALL OTHER ELECTRICAL COMPONENTS REQUIRED FOR COMPLETE INSTALLATION.
13. TCC SHALL EXTEND CONTROL SIGNAL FROM ADDRESSABLE RELAY DEVICE SERVING EACH CRAC UNIT. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS. TCC SHALL EXTEND AND TERMINATE WIRING AS REQUIRED FOR EQUIPMENT SHUTDOWN.
14. TCC SHALL PROVIDE CONDUIT RUNS AS REQUIRED FOR OUTDOOR EQUIPMENT AND FOR EQUIPMENT INSTALLED REMOTELY FROM THE MAIN BUILDING THAT IS BEING MONITORED OR CONTROLLED.
15. TO PREVENT GENERATOR OVERLOADING, TCC SHALL PROGRAM A STAGGERED START TIME FOR ALL MECHANICAL EQUIPMENT THAT IS CONTROLLED BY FMCS TO INCLUDE, BUT NOT LIMITED TO, AIR HANDLERS, PUMPS, EXHAUST FANS, AND CHILLERS. THE FIRST EQUIPMENT SHALL START 2 MINUTES (ADJ.) FROM THE TIME THE FMCS RECEIVES THE SIGNAL THAT THE TRANSFER SWITCH CHANGED TO EMERGENCY POWER SOURCE WITH ALL EQUIPMENT BEING ENERGIZED WITHIN 20 MINUTE (ADJ.) TIME SPAN, COORDINATE ORDER OF EQUIPMENT STAGING WITH OWNER'S REPRESENTATIVE.
16. CONTROL DIAGRAMS ARE SCHEMATIC IN NATURE AND DO NOT SHOW ALL REQUIRED CONTROL DEVICES AND COMPONENTS. REFER TO FLOOR PLANS, FLOW DIAGRAMS AND DETAILS FOR ADDITIONAL CONTROL DEVICES, COMPONENTS AND REQUIREMENTS NOT SHOWN ON THE CONTROL DRAWINGS.
17. TCC SHALL PROVIDE ALL CONTROL COMPONENTS AND ACCESSORIES AS REQUIRED FOR EQUIPMENT TO BE CONTROLLED AS DESCRIBED IN THE SEQUENCE OF OPERATION REGARDLESS OF WHETHER ALL CONTROL COMPONENTS OR POINTS ARE SHOWN IN THE ASSOCIATED CONTROL DIAGRAM.
18. COORDINATE DDC CONTROL PANEL EMERGENCY POWER SUPPLY REQUIREMENT WITH ELECTRICAL CONTRACTOR. ALL CONTROLS ASSOCIATED WITH MECHANICAL SYSTEM REQUIRING EMERGENCY POWER SHALL BE CONNECTED TO THE EMERGENCY POWER SYSTEM.

[illegible]

PROJECT NO: 2430.05
DATE: 08/26/2026
SCALE: AS NOTED
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CHECKED BY: Checker

HVAC DIAGRAMS

M500

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PROJECT #260004039.00

ADA RENOVATIONS

NEW CITIZEN'S CENTER

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CONDENSING UNIT SCHEDULE - COOLING / HEATING (CU)

NOTES:
1. PROVIDE QUICKSLING OR APPROVED EQUAL MOUNTED TO CONCRETE PAD AND FIXED BY BOLTS.
2. PROVIDE NEOPRENE VIBRATION ISOLATORS BETWEEN QUICKSLING AND PAD.
3. PROVIDE LOW AMBIENT COOLING WIND BAFFLES.
4. REFRIGERANT PIPING INSTALLATION LENGTH SHALL BE LESS THAN OR EQUAL TO THE MAXIMUM MANUFACTURER RECOMMENDED LENGTH.
5. REFRIGERANT PIPING ELBOWS SHALL BE LESS THAN OR EQUAL TO THE MAXIMUM MANUFACTURER RECOMMENDED QUANTITY.

TAG NAME	SERVICE	ASSOC. INDOOR UNIT	REFRIGERANT		COOLING	HEATING	FANS		ELECTRICAL							CURB / PAD		MAXIMUM DIMENSIONS				WEIGHT LBS	MANUFACTURER	MODEL	NOTES
			TYPE	CHARGE LBS	MBH	MBH	QTY	W EA	VOLTS	PH	DISCONNECT		CNTLR/ST ARTER	SCCR	EM PWR	TYPE / BY [G]	HEIGHT	WIDTH	HEIGHT	DEPTH	OPERATING				
											BY [A]	TYPE [B]										BY [A]			
AC-1	CLASSROOM 21	SS-1	R454B	2	12	14.4	1	55	208	1	EC	NF	MFR	0	Yes	CONC/GC	4"	2'-8"	1'-10"	11"	77	MITSUBISHI	MUZ-GX12NL		
AC-2	CLASSROOM 11	SS-2	R454B	2	12	14.4	1	55	208	1	EC	NF	MFR	0	Yes	CONC/GC	4"	2'-8"	1'-10"	11"	77	MITSUBISHI	MUZ-GX12NL		

SPLIT SYSTEM INDOOR UNIT SCHEDULE (SS)

NOTES:
1. INDOOR UNIT IS POWERED BY OUTDOOR UNIT.
2. UNIT SHALL BE PROVIDED WITH INTEGRAL LIFT/PUMP FOR CONDENSATE REMOVAL. IF NOT PROVIDED INTEGRAL WITH UNIT, CONTRACTOR SHALL PROVIDE SEPARATE CONDENSATE PUMP. CONDENSATE PUMP SHALL BE POWERED BY UNIT. IF NOT, MECHANICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE POWER FOR CONDENSATE PUMP.
3. PROVIDE WITH BACNET CONNECTION AND MANUFACTURER'S REMOTE TEMPERATURE SENSOR FOR INTEGRATION INTO THE EXISTING BUILDING AUTOMATION SYSTEM.
4. PROVIDE WITH MITSUBISHI QSWB WALL BRACKET SYSTEM
5. DESIGN HEATING CAPACITY SHALL BE RATED AT: INDOOR TEMP = 70°FDB, OUTDOOR TEMP = 2°FDB. EFFECTS OF ESTIMATED REFRIGERANT LINE LENGTHS AND DEFROSTING SHALL BE INCLUDED IN COMPUTING DESIGN CAPACITY.
6. DESIGN COOLING CAPACITY SHALL BE RATED AT: INDOOR TEMP = 74°FDB/61.7°FDB, OUTDOOR TEMP = 95°FDB. EFFECTS OF ESTIMATED REFRIGERANT LINE LENGTH SHALL BE INCLUDED IN COMPUTING DESIGN CAPACITY.

TAG NAME	SERVICE	ARRANGEMENT	ASSOC OUTDOOR UNIT	CFM	REFRIGERANT		COOLING	HEATING	EFFICIENCY		ELECTRICAL								CONTROL	MAXIMUM DIMENSIONS				WEIGHT LBS	MANUFACTURER	MODEL	NOTES
				DESIGN	TYPE	CHARGE LBS	TOTAL MBH	TOTAL MBH	CLG EER	HTG COP	VOLTS	PH	MCA	MOCP	DISCONNECT		CNTLR/ST ARTER	SCCR	EM PWR	DIAGRAM	WIDTH	HEIGHT	DEPTH	OPERATING			
															BY [A]	TYPE [B]	BY [A]										
SS-2	CLASSROOM 11	WALL-MOUNTED	AC-2	375	R454B	2	12	14.4	13.35	3.84	208	1	12	15	EC	NF	MFR	0	No	M500-2	2'-7"	1'-0"	10"	23	MITSUBISHI	MSZ-GX12NL	
SS-1	CLASSROOM 21	WALL-MOUNTED	AC-1	375	R454B	2	12	14.4	13.35	3.84	208	1	12	15	EC	NF	MFR	0	No	M500-2	2'-7"	1'-0"	10"	23	MITSUBISHI	MSZ-GX12NL	

AIR TERMINAL SCHEDULE (EG, RG, SD, etc.)

NOTES:
1. REFER TO DRAWINGS FOR NECK SIZE. ALL BRANCH DUCTWORK TO AIR TERMINALS SHALL BE NECK SIZE UNLESS NOTED OTHERWISE.
2. REFER TO DRAWINGS FOR FACE SIZES NOTED AS <varies>.
3. CONTRACTOR SHALL DETERMINE PROPER BORDER TYPE TO MATCH CEILING CONSTRUCTION.
4. DIFFUSERS WITH MULTIPLE SLOTS SHALL HAVE THE INNER MOST SLOT DIRECTED TOWARDS THE INTERIOR OF THE BUILDING, THE REMAINING SHALL BE DIRECTED TOWARDS THE EXTERIOR UNLESS NOTED OTHERWISE.

TAG NAME	TYPE	MATERIAL	FINISH	FACE SIZE (NOTE 1,2)		BORDER (NOTE 3)	VOLUME DAMPER	MANUFACTURER	MODEL	NOTES
				WIDTH	HEIGHT					
EG-1	35 DEGREE DEFLECTION	ALUMINUM	WHITE	12"	6"	SURFACE MOUNT	No	TITUS	350A	LONG BLADES
EG-2	35 DEGREE DEFLECTION	ALUMINUM	WHITE	14"	12"	SURFACE MOUNT	No	TITUS	350A	LONG BLADES

KITCHEN HOOD SCHEDULE (KH)

NOTES:
1.

TAG NAME	SERVICE	TYPE	HOOD SIZE			EXHAUST AIR			ELECTRICAL							MANUFACTURER	MODEL	NOTES
			WIDTH	HEIGHT	DEPTH	CONNECTION QTY	DIA	CFM TOTAL	VOLTS	PH	AMPS	DISCONNECT BY [A]	TYPE [B]	SCCR	EM PWR			
KH-1	LIFE SKILLS/LIBRARY	TYPE 2	30"	6"	20"	1	7"	200	120	1	2.5	MFR	NF	0	No	GE	JVX3300	

DUCTWORK APPLICATION SCHEDULE

NOTES:
1. REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
2. REFER TO DRAWINGS FOR THE SHAPE OF DUCTWORK.
3. THE APPLICATION COLUMN, AS NOTED BELOW, SHALL TAKE PRECEDENCE OVER THE DRAWINGS UNLESS OTHERWISE NOTED.

ABBR.	SYSTEM	APPLICATION	MATERIAL	PRESS. CLASS	SEAL CLASS	ADDITIONAL REQUIREMENTS	INSULATION			
							TYPE	THICK	PLACE	NOTES
DV	DRYER VENT	FROM CLOTHES DRYER TO OUTDOORS	SINGLE WALL, ALUMINUM	NEG. 1"	C		NONE	-	-	
EA	EXHAUST AIR	FROM AIR TERMINALS TO EXHAUST FAN, FROM HOOD TO EXTERIOR	SINGLE WALL, GALVANIZED STEEL	NEG. 1"	A		NONE			

SCHEDULE GENERAL KEY

[A] DISCONNECT AND CNTLR/STARTER FURNISHED AND INSTALLED BY:
MFR = MANUFACTURER
EC = ELECTRICAL CONTRACTOR.
MC = FURNISHED BY MECHANICAL CONTRACTOR.
MFR/EC = FURNISHED LOOSE BY MANUFACTURER
INSTALLED BY ELECTRICAL CONTRACTOR.
TCC = TEMPERATURE CONTROL CONTRACTOR

[B] DISCONNECT TYPE:
CB = CIRCUIT BREAKER
F = FUSED
NF = NON-FUSED
PLUG = PLUG AND CORD

[C] CONTROLLER STARTER TYPE:
FV = FULL VOLTAGE
WYE = WYE-DELTA
SS = SOLID STATE (SOFT START)
MS = MANUAL STARTER
VFD = VARIABLE FREQUENCY DRIVE
VFD/B = VARIABLE FREQUENCY DRIVE WITH BYPASS
ECM = ELECTRONICALLY COMMUTATED MOTOR

NOTE: PROVIDE SHAFT GROUNDING ON MOTORS
DRIVEN BY A VFD AS REQUIRED PER SPECIFICATIONS
22 05 13 AND 23 05 13.

[D] RPM LIMITATION
FAN RPM SHALL NOT EXCEED 110% OF SCHEDULED
VALUE, WITH THE SCHEDULED WHEEL TYPE
SUBSTITUTION OF B1 OR B1A FANS FOR FC IS
ACCEPTABLE IF EFFICIENCY IS NOT LOWER.

[E] HORSEPOWER LIMITATION
NO EQUIPMENT SHALL BE SELECTED ABOVE 90% OF
MOTOR NAME PLATE RATING.

[F] RPM DEVIATION
MUST BE WITHIN +/- 10% OF SCHEDULED RPM.

[G] CURB / PAD TYPE:
STD = STANDARD CURB
SAC = SOUND ATTENUATOR CURB
CONC = CONCRETE BASE (HOUSEKEEPING PAD)

[G] CURB / PAD BY:
MFR = MANUFACTURER
MC = MECHANICAL CONTRACTOR
GC = BY GENERAL CONTRACTOR

[H] CONTROL / SENSOR TYPE
1 = SENSOR ONLY
2 = SENSOR WITH ADJUSTMENT
3 = SENSOR WITH OVERRIDE
4 = SENSOR WITH ADJUSTMENT AND OVERRIDE.

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PROJECT #20040303.00

ADA RENOVATIONS

NEW CITIZEN'S CENTER

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WORCESTER, MA 01603

REVISIONS		
Δ	MM-DD-YYYY	DESCRIPTION

PROJECT NO:	2430.05
DATE:	08/26/2026
SCALE:	AS NOTED
DRAWN BY:	Author
CHECKED BY:	Checker

HVAC SCHEDULES

M600

VIEW KEY

NAME → LEVEL NAME
10'-0" → HEIGHT ABOVE PROJECT 0'-0"

KEYNOTE: INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL

INDICATES DIRECTION OF TRUE NORTH
PLAN OR DETAIL NUMBER
PLAN OR DETAIL NAME
PLAN OR DETAIL SCALE

VIEW NAME
1/8" = 1'-0"

LINE TYPE AND TAG KEY:

NEW WORK BY THIS CONTRACTOR (WIDE LINE)
 _____ NEW
 - - - - - EXISTING TO BE REMOVED (SHORT DASHED PATTERN)
 - - - - - NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)
 _____ EXISTING
 - - - - - EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)
 - - - - - EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

HALFTONING DOES NOT MODIFY SCOPE.

TAG-1 TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING

TAG-1 UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST

INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL

FIRE / SMOKE BARRIER DESIGNATIONS
FIRE AND SMOKE SEPARATIONS ARE NOT SHOWN ON THESE DOCUMENTS. CONTRACTOR SHALL REVIEW THE ARCHITECTURAL PLANS AND DETERMINE THE LOCATIONS OF ALL FIRE AND SMOKE PARTITIONS, BARRIERS, AND WALLS. THIS INCLUDES FLOOR RATINGS. PRICING SHALL INCLUDE ALL MATERIALS AND LABOR REQUIRED TO MAINTAIN THE RATINGS OF ALL RATED SEPARATIONS, WHETHER SHOWN ON THE ENGINEERING PLANS OR NOT.

APPLICABLE CODES	
CONTRACTOR SHALL COMPLY WITH APPLICABLE CODES AND LOCAL AMENDMENTS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:	
BUILDING CODE:	IBC 2021 EDITION 780 CMR 10TH EDITION, MA AMENDMENTS TO IBC 2021
PLUMBING CODE:	248 CMR
MECHANICAL CODE:	IMC 2021 EDITION
ELECTRICAL CODE:	NFPA 70 (NEC) 2026 EDITION
HEALTH DEPARTMENT CODE:	CURRENT EDITION
LOCAL BUILDING CODE:	CURRENT EDITION

ELECTRICAL SYMBOL LIST - POWER			
SYMBOL	EQUIP ABBREV	SPEC SECTION	DESCRIPTION
	<u>ECONN</u>	26 05 33	ELECTRICAL CONNECTION - CEILING/SURFACE
	<u>DS-#</u>	26 28 16	DISCONNECT SWITCH, REFER TO DISCONNECT AND STARTER SCHEDULE

ELECTRICAL SYMBOL LIST - RECEPTACLES				
SYMBOL	TAG	EQUIP ABBREV	SPEC SECTION	DESCRIPTION
		<u>REC-DUP</u>	26 27 26	DUPLEX RECEPTACLE, 125V
		<u>REC-DUP-GFI</u>	26 27 26	DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTER, 125V
		<u>REC-TAMP-GFI</u>	26 27 26	DUPLEX RECEPTACLE, TAMPER RESISTANT, GROUND FAULT CIRCUIT INTERRUPTER, 125V
		<u>REC-TAMP</u>	26 27 26	DUPLEX RECEPTACLE, TAMPER RESISTANT, 125V

ELECTRICAL SYMBOL LIST - FIRE ALARM				
SYMBOL	TAG	EQUIP ABBREV	SPEC SECTION	DESCRIPTION
# 	CO	FA-120	28 31 00	SMOKE DETECTOR - COMBINATION SMOKE / CARBON MONOXIDE
¶ 	##	FA-221	28 31 00	COMBINATION AUDIO (VOICE) / VISUAL ALARM DEVICE - ## INDICATES CANDELA RATING

ELECTRICAL EQUIPMENT TAGS		
TAG:	DESCRIPTION:	RELATED SPECIFICATION
ATS-#	AUTOMATIC TRANSFER SWITCH, REFER TO TRANSFER SWITCH SCHEDULE	26 36 00
BAT-#	BATTERY RACK	26 32 13
C-#	GENERAL PURPOSE CONTACTOR	26 28 21
CR-#	CORD REEL	26 27 26
CT-#	CABLE TRAY	26 05 36
CUP-#	CUSTOM UTILITY PEDESTAL	26 27 16
DIM-#	DC DIMMING PANEL	26 09 33
DP-#	DISTRIBUTION PANEL	26 24 16
DR-#	DIMMING RACK	26 09 33
DT-#	GENERATOR DAY TANK	26 32 13
DTR-#	TRANSFORMER - DISTRIBUTION TYPE REFER TO TRANSFORMER SCHEDULE	26 12 19 26 12 13 26 12 16 26 12 21
EVCS-#	ELECTRICAL VEHICLE CHARGING STATION	26 27 29
GCC-#	TEMP. GENERATOR/LOAD BANK CONNECTION CABINET	26 36 00
GCP-#	GENERATOR CONTROL PANEL	26 32 13
GEN-#	GENERATOR	26 32 13
GPS-#	GENERATOR PARALLELING AND DISTRIBUTION SWITCHBOARD	26 24 14 26 13 35
GANN-#	GENERATOR ANNUNCIATOR PANEL	26 32 13
HH-#	HANDHOLE	26 05 33
HT-#	HEAT TAPE	26 05 17
INV-#	LIGHTING INVERTER	26 52 00
M-#	METER DISTRIBUTION CENTER	26 20 00
MCC-#	EXTERIOR MOUNTED METERING CABINET	26 20 00
MCC-#	MOTOR CONTROL CENTER, REFER TO MOTOR CONTROL SCHEDULE	26 14 19
MH-#	MANHOLE	26 05 37
MPC-#	PACKAGED POWER CENTER	26 24 23
MTS-#	MANUAL TRANSFER SWITCH, REFER TO TRANSFER SWITCH SCHEDULE	26 36 00
MVSG-#	MEDIUM VOLTAGE SWITCHGEAR	26 13 13 26 13 34
MX-#	MANUAL SWITCH, REFER TO DISCONNECT AND STARTER SCHEDULE	26 24 19
PDU-#	POWER DISTRIBUTION UNIT	26 26 00
PS-#	PAD-MOUNT MEDIUM VOLTAGE SWITCH	26 13 15
R-#	RELAY	26 09 39
RA-ATS-#	REMOTE ANNUNCIATOR FOR ATS	26 36 00
REFFS-#	REMOTE FUEL FILL STATION	26 32 13
SB-#	SWITCHBOARD	26 24 13
SC-#	SECTIONALIZING CABINET	26 13 14
SG-#	SWITCHGEAR	26 23 00
SMP-#	SNOW MELT CONTROL PANEL	26 05 17
SMS-#	PAVEMENT MOUNTED DEICING CONTROLLER	26 05 17
SPD-#	SURGE PROTECTION DEVICE	26 43 00
UD-#	UNDERFLOOR DUCT - TRENCH DUCT - CELLULAR FLOOR DUCT	26 05 38
UPS-#	UNINTERRUPTIBLE POWER SUPPLY	26 33 53
US-#	UNIT SUBSTATION	26 11 00
VFD-#	VARIABLE FREQUENCY DRIVE - REFER TO VFD SCHEDULE	26 29 23
WD-#	WALL DUCT	26 05 38

ELECTRICAL ABBREVIATION KEY	
ABBR:	DESCRIPTION:
ABV	ABOVE
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ASR	ARCHITECTURAL SURFACE RACEWAY
BC	BELOW COUNTER
C	CONDUIT (BRANCH CIRCUIT OR FEEDER CONTEXT)
CO	CONDUIT AND BOX ROUGH-IN ONLY (ROUGH-IN ONLY)
ER	EXISTING TO BE REMOVED
EG	EQUIPMENT GROUND
EGC	EQUIPMENT GROUNDING CONDUCTOR
EOL	END OF LINE
EPO	EMERGENCY POWER OFF
GFR	GROUND FAULT REMOTE
HOA	HAND/OFF/AUTO
ITR	IT RACK MOUNTED RECEPTACLE
NC	NORMALLY CLOSED
NEMA #	NEMA RATING
NIC	NOT IN CONTRACTED SCOPE
NO	NORMALLY OPEN
ROOF	EQUIPMENT LOCATED ON ROOF ABOVE
SM	SURFACE MOUNTED
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED

ELECTRICAL RENOVATION NOTES:

THESE NOTES APPLY TO ALL ELECTRICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, LIGHTING, POWER, FIRE ALARM, AND OTHER LOW VOLTAGE SYSTEMS.

1. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS. CONTRACTOR SHALL REVIEW EXISTING CONDITIONS AND REPORT CONFLICTS.
2. NOT ALL EXISTING EQUIPMENT, LUMINAIRES, AND CONDUIT ARE SHOWN. CONTRACTOR SHALL REVIEW EXISTING CONDITIONS AND REPORT CONFLICTS.
3. CONTRACTOR SHALL REVIEW EXISTING CONDITIONS PRIOR TO FABRICATION OF CABLE TRAY, BUSWAY, CONDUIT RACKS, AND OTHER SYSTEMS. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
4. ELECTRICAL CONTRACTOR SHALL REVIEW EXISTING CONDITIONS TO VERIFY ACCESSIBILITY TO THE AREAS OF THEIR WORK INCLUDING WALLS, FLOOR, CEILINGS, CEILING TILES/GRID, AND ROOF. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE CUTTING, REMOVAL, PATCHING, AND REINSTALLATION OF AFFECTED AREAS ASSOCIATED WITH THEIR WORK BY COORDINATING WITH THE GENERAL CONTRACTOR OR QUALIFIED CONTRACTOR.
- CONTRACTOR SHALL NOTIFY THE PRIME CONTRACTOR OF AFFECTED AREAS PRIOR TO BIDDING.**
5. WHERE EXISTING ELECTRICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, CONDUIT, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING ELECTRICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.

ELECTRICAL PHASING NOTES:

THESE NOTES APPLY TO ALL ELECTRICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, LIGHTING, POWER, FIRE ALARM, AND OTHER LOW VOLTAGE SYSTEMS.

1. REFER TO **ARCHITECTURAL** DRAWINGS FOR GENERAL DESCRIPTION OF PHASES.
2. REFER TO **CONTRACTOR'S/ARCHITECT'S** INSTRUCTIONS FOR MORE DETAILS AND PHASING SCHEDULES AND FOR CONCURRENT WORK. MECHANICAL, ELECTRICAL AND TECHNOLOGY DRAWINGS DEPICT THE INTENT OF THE FINAL DESIGN. THE MECHANICAL, ELECTRICAL, AND TECHNOLOGY DRAWINGS DO NOT DEPICT THE MEANS AND METHODS TO MEET THE REQUIREMENTS OF THE PHASING CRITERIA.
3. REVIEW ALL OF THE **PHASING PLANS** TO COORDINATE DEMOLITION WORK, OUTAGES, ETC. WITH AFFECTED ADJACENT AREAS.
4. PROVIDE TEMPORARY LIGHTING, POWER, FIRE ALARM, AND OTHER LOW VOLTAGE SYSTEMS, ETC. AS NEEDED TO MAINTAIN SERVICE TO ALL AREAS DURING ALL PHASES OF PROJECT.

RECEPTACLE KEY:	
<u>DEVICE KEY:</u>	
DEVICE 	# = MOUNTING (IF APPLICABLE) 1 = CIRCUIT NUMBER
*IF LABEL IS ORIENTED HORIZONTALLY A SLASH WILL SEPARATE THIS INFORMATION. EX: A / 1	
<u>ELECTRICAL MOUNTING SUBSCRIPT KEY:</u>	
A	MOUNT AT "+6" TO CENTERLINE ABOVE COUNTER OR BACKSPLASH
C	MOUNT AT CEILING (DEVICE OR ROUGH-IN CONTEXT)
H	MOUNT ORIENTED HORIZONTALLY
L	MOUNT IN CASEWORK
M	MOUNT IN MODULAR FURNITURE
R	MOUNT IN SURFACE RACEWAY
SM	SURFACE MOUNTED
WG	WIRE GUARD
+##	MOUNT AT # " TO CENTERLINE ABOVE FINISHED FLOOR
SHADED DEVICE INDICATES DEVICE IS CONNECTED TO AN EMERGENCY CIRCUIT.	
DEVICE 	

ELECTRICAL SHEET INDEX	
E000	ELECTRICAL COVERSHEET
E100	BASEMENT DEMOLITION PLAN - LIGHTING
E101	FIRST FLOOR DEMOLITION PLAN - LIGHTING
E200	BASEMENT PLAN - LIGHTING
E201	FIRST FLOOR PLAN - LIGHTING
E210	BASEMENT PLAN - POWER
E211	FIRST FLOOR PLAN - POWER
E220	BASEMENT PLAN - SYSTEMS
E221	FIRST FLOOR PLAN - SYSTEMS
E300	ENLARGED BASEMENT ELECTRICAL PLANS
E301	ENLARGED FIRST FLOOR LIGHTING PLANS
E302	ENLARGED FIRST FLOOR POWER PLANS
E303	ENLARGED FIRST FLOOR SYSTEMS PLANS
E600	ELECTRICAL SCHEDULES
GRAND TOTAL: 14	

[illegible]

PROJECT NO: 2430.05

DATE: 08/26/2026

SCALE: As indicated

DRAWN BY: Author

CHECKED BY: Checker

ELECTRICAL COVERSHEET

E000

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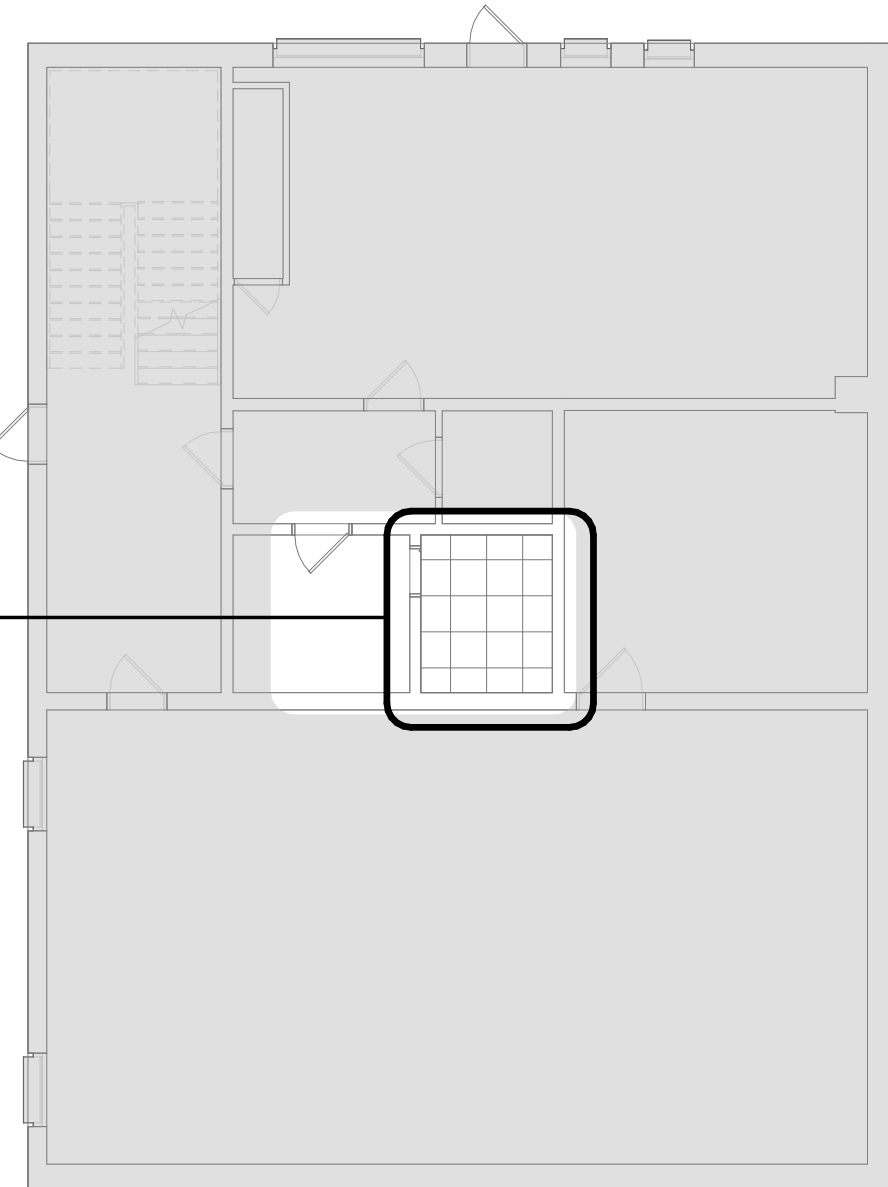
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1
E300



3. REFER TO DRAWING E000 FOR NOTES, LEGENDS AND ABBREVIATIONS.
4. UNLESS OTHERWISE NOTED ALL ELECTRICAL EQUIPMENT IN THE AREAS TO BE RENOVATED SHALL BE DEMOLISHED TO CLEAR FOR NEW CONSTRUCTION. ELECTRICAL EQUIPMENT SHALL INCLUDE BUT NOT LIMITED TO: DEVICES, CONDUIT, WIRE, DISCONNECTS, PANELBOARDS, SUPPORT RACKS, ALL OPEN AREA LIGHTING, FIRE ALARM DEVICES, SECURITY, AND ALL APPURTENANCES TO THE ABOVE.
5. THE ELECTRICAL CONTRACTOR (E.C.) SHALL REVIEW THE DEMOLITION PLANS OF ALL TRADES FOR ADDITIONAL ELECTRICAL EQUIPMENT TO BE REMOVED THAT IS NOT SHOWN IN THIS DRAWING. THE E.C. SHALL DISCONNECT AND REMOVE ALL ELECTRICAL APPURTENANCES ASSOCIATED WITH THIS EQUIPMENT (ELECTRIC WATER HEATER, HEAT PUMPS AND CABINET HEATER. SEE MECHANICAL AND PLUMBING DEMOLITION DRAWINGS).
6. THE E.C. SHALL TRACE AND FIELD VERIFY ALL CONDUIT AND WIRING RUNS IN THE AREA DESIGNATED TO BE DEMOLISHED AND DETERMINE WHICH CIRCUITS EFFECT AREAS OUTSIDE THE DEMOLITION ZONE. WHERE CIRCUITS INCLUDING BUT NOT LIMITED TO FIRE ALARM, POWER, LIGHTING, ETC., ARE DETERMINED TO FEED OTHER AREAS OF THE BASE BUILDING, THE E.C. SHALL REMOVE THE CONDUIT AND CABLE IN THE DEMOLITION ZONE AND REROUTE A NEW RUN OF CONDUIT AND CABLE TO RE-ESTABLISH THE EXISTING CIRCUIT AND INTEGRATE WITH THE EXISTING BUILDING.
7. WHERE CONDUIT AND CABLE RUNS SHALL BE RUN THROUGH THE EXISTING BUILDING, OUTSIDE THE ENVELOPE OF DEMOLITION AREA, WHERE EXISTING CIRCUITS TO REMAIN ARE FED BY A PANEL BEING DEMOLISHED, PROVIDE NEW CONDUIT AND CABLE FROM DEVICE TO NEAREST PANEL OUTSIDE DEMOLITION AREA TO SPARE CIRCUIT BREAKER AND/OR NEW RELOCATED PANEL POSITION.
8. WHERE CONDUIT AND CABLES FEED DEVICES DESIGNATED TO BE REMOVED, AND SERVED BY EXISTING TO REMAIN SWITCHBOARD, PANEL BOARDS, AND MCC'S, THE E.C. SHALL REMOVE ALL CONDUIT AND CABLE BACK TO THE SWITCHBOARD OR PANEL BOARD AND DISCONNECT FROM THE CIRCUIT BREAKER. THE ENCLOSURES SCHEDULES SHALL BE RECONFIGURED INDICATING THE CIRCUIT BREAKERS AS "SPARE".
9. WHERE CONDUIT AND WIRE IS TO BE DEMOLISHED WHICH RUNS BELOW SLAB, THE E.C. SHALL CUT CONDUIT FLUSH TO FLOOR AND PATCH THE FLOOR.
10. BEFORE REMOVING ELECTRICAL EQUIPMENT, CONDUIT, OR CABLEING WHICH MAY EFFECT OTHER AREAS OF THE BUILDING, THE E.C. SHALL COORDINATE TIE OVER AND TRANSITION PERIODS WITH THE OWNER.
11. THE E.C. SHALL PROVIDE ALL SCAFFOLDING, LADDERS, RIGGING, HOISTING, ETC., FOR THIS WORK, KEEP PREMISES FREE FROM RUBBISH AND REMOVE ALL ELECTRICAL RUBBISH FROM SITE.
12. THE E.C. SHALL SUPPORT ALL EXISTING SMOKE DETECTORS SERVING BOTH AREAS IN AND OUT OF CONTRACT AREA TO MAINTAIN COVERAGE IN THE SPACE.
13. BEFORE REMOVING EQUIPMENT TO BE REMOVED BY DEMOLITION SHALL BE REVIEWED WITH OWNER TO DETERMINE IF IT SHOULD BE MAINTAINED AND STORED. OWNER SHALL BE RESPONSIBLE FOR HANDLING OF EQUIPMENT TO OFF-SITE STORAGE LOCATION.
14. DISCONNECT AND REMOVE ALL ABANDONED LOW VOLTAGE EQUIPMENT IN THEIR ENTIRETY, IN SCOPE OF WORK AREAS.
15. CONTRACTOR SHALL DISCONNECT AND PULL BACK EXISTING LIGHTING BRANCH CIRCUIT CONDUCTORS TO AN ACCESSIBLE JUNCTION BOX LOCATED ABOVE THE CEILING.
16. ALL WIRING SHALL BE IDENTIFIED, IDENTIFIED, AND LABELED FOR REUSE IN NEW WORK. PROVIDE ALL REQUIRED JUNCTION BOXES, COVERS, SUPPORTS, AND CIRCUIT IDENTIFICATION. MAINTAIN CIRCUIT CONTINUITY TO ALL EXISTING LOADS INTENDED TO REMAIN.

[illegible]

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BASEMENT DEMOLITION PLAN - LIGHTING

E100

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A

FIRST FLOOR DEMOLITION PLAN - LIGHTING

4

3

2

1

1

2

3



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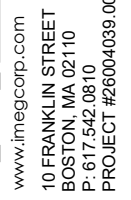
**FIRST FLOOR
DEMOLITION PLAN -
LIGHTING**

E101

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$$3/32'' = 1'-0''$$


1. REFER TO DRAWING E000 FOR NOTES, LEGENDS AND ABBREVIATIONS.
2. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES, HEIGHTS, AND CONDITIONS.
3. REFER TO ARCHITECTURAL DRAWINGS, DETAILS AND ELEVATIONS FOR EXACT MOUNTING LOCATIONS AND HEIGHTS FOR ALL DEVICES SHOWN.
4. VERIFY ALL NEW LIGHTING CONTROLS ARE COMPATIBLE WITH NEW LIGHT FIXTURES PRIOR TO WORK. COORDINATE WITH MANUFACTURER FOR EXACT REQUIREMENTS.
5. FOR LIGHT FIXTURES WITH REMOTE POWER SUPPLY, PROVIDE DRY AND ACCESSIBLE ENCLOSURE FOR REMOTE POWER SUPPLY AS PER ARCHITECT'S DIRECTIONS. RECOMMENDED WIRE GAUGE, MAX DISTANCE FROM FIXTURE TO POWER SUPPLY, CAPACITY AND QUANTITIES OF POWER SUPPLY REQUIRED AS DIRECTED BY MANUFACTURER.
6. PROVIDE UL 924 LISTED EMERGENCY BY-PASS RELAY FOR ALL SWITCHED EMERGENCY LIGHTING.
7. ALL EXIT SIGNS SHALL BE CONNECTED TO LINE SIDE (UNSWITCHED) OF NEARBY LIGHTING BRANCH CIRCUIT FOR CONSTANT AC INPUT.



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BASEMENT PLAN - LIGHTING

E200

A

2

2

FIRST FLOOR PLAN - LIGHTING

1

E201

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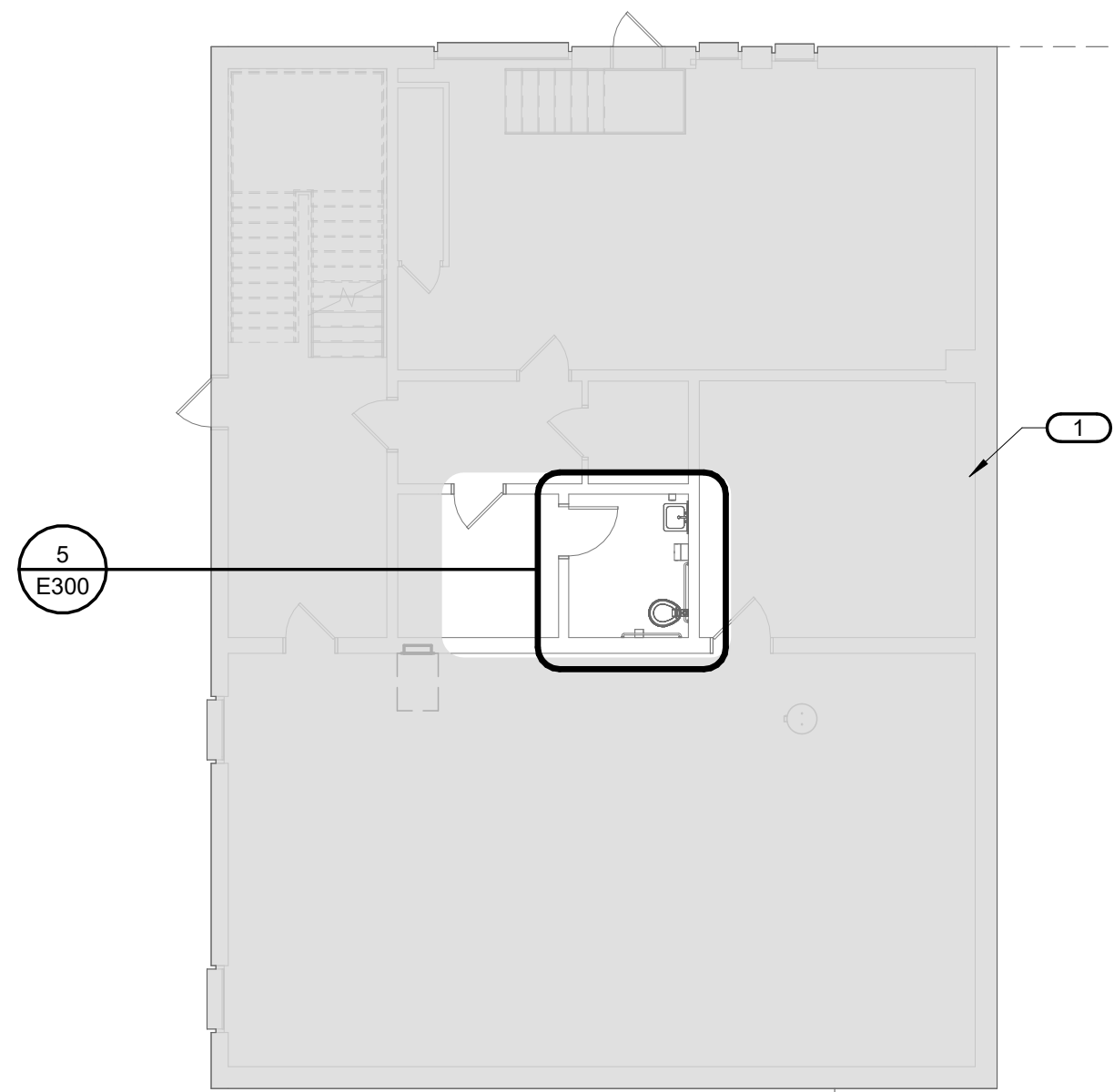
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2. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES, HEIGHTS, AND CONDITIONS.
3. REFER TO ARCHITECTURAL DRAWINGS, DETAILS AND ELEVATIONS FOR EXACT MOUNTING LOCATIONS AND HEIGHTS FOR ALL DEVICES SHOWN.
4. VERIFY ALL NEW LIGHTING CONTROLS ARE COMPATIBLE WITH NEW LIGHT FIXTURES PRIOR TO WORK. COORDINATE WITH MANUFACTURER FOR EXACT REQUIREMENTS.
5. FOR LED LIGHT FIXTURES WITH REMOTE POWER SUPPLY, PROVIDE DRY AND ACCESSIBLE ENCLOSURE FOR REMOTE POWER SUPPLY AS PER ARCHITECT'S DIRECTIONS. RECOMMENDED WIRE GAUGE, MAX DISTANCE FROM FIXTURE TO POWER SUPPLY, CAPACITY AND QUANTITIES OF POWER SUPPLY REQUIRED AS DIRECTED BY MANUFACTURER.
6. PROVIDE UL 924 LISTED EMERGENCY BY-PASS RELAY FOR ALL SWITCHED EMERGENCY LIGHTING.
7. ALL EXIT SIGNS SHALL BE CONNECTED TO LINE SIDE (UNSWITCHED) OF NEARBY LIGHTING BRANCH CIRCUIT FOR CONSTANT AC INPUT.

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E300



ELECTRICAL POWER GENERAL NOTES

1. REFER TO DRAWING E000 FOR NOTES, LEGENDS AND ABBREVIATIONS.
2. REFER TO ARCHITECTURAL, FURNITURE PLANS, DETAILS AND ELEVATIONS FOR EXACT MOUNTING LOCATIONS AND HEIGHTS FOR ALL DEVICES SHOWN.
3. 120" AIR BRANCH CIRCUIT BREAKERS THAT EXCEEDS 100 FEET SHALL BE (270+10")#100.
4. REFER TO OTHER TRADES' PLANS FOR MORE INFO, ASSOCIATED ACCESSORIES, AND ELECTRICAL CHARACTERISTICS AND REQUIREMENTS ON HVAC, PLUMBING AND FIRE PROTECTION EQUIPMENT INDICATED ON PLANS.
5. FOLLOWING DEMOLITION, CONTRACTOR SHALL PROVIDE DETAILED SURVEY INFORMATION TO BE USED TO IDENTIFY ALL 120V 2P 15A FEEDING DEVICES LOCATED OUT OF WORK SCOPE AND AVAILABLE SPARE CIRCUIT BREAKERS TO BE UTILIZED FOR NEW WORK TO BE PERFORMED. UTILIZE EXISTING AVAILABLE CIRCUITS IN PANELS SERVING THIS SPACE FOR NEW BRANCH CIRCUITS TO BE ADDED.

1. UPGRADE THE EXISTING 400-AMP, THREE-PHASE ELECTRICAL SERVICE, EXISTING MAIN DISTRIBUTION PANEL (MDP), MULTIPLE EXISTING LOAD CENTERS, AND EXISTING 25 KW GENERATOR. PROVIDE NEW SERVICE AND DISTRIBUTION EQUIPMENT SIZED TO SERVE THE REVISED BUILDING LOADS. FINAL FEEDER ROUTING, OVERCURRENT PROTECTIVE DEVICE RATINGS, TRANSFER EQUIPMENT REQUIREMENTS, AND RECONNECTION TO REMAINING EXISTING SYSTEMS SHALL BE COORDINATED DURING SUBSEQUENT DESIGN PHASES.

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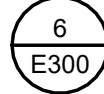
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**BASEMENT PLAN -
POWER**

E210

$$3/32'' = 1'-0''$$


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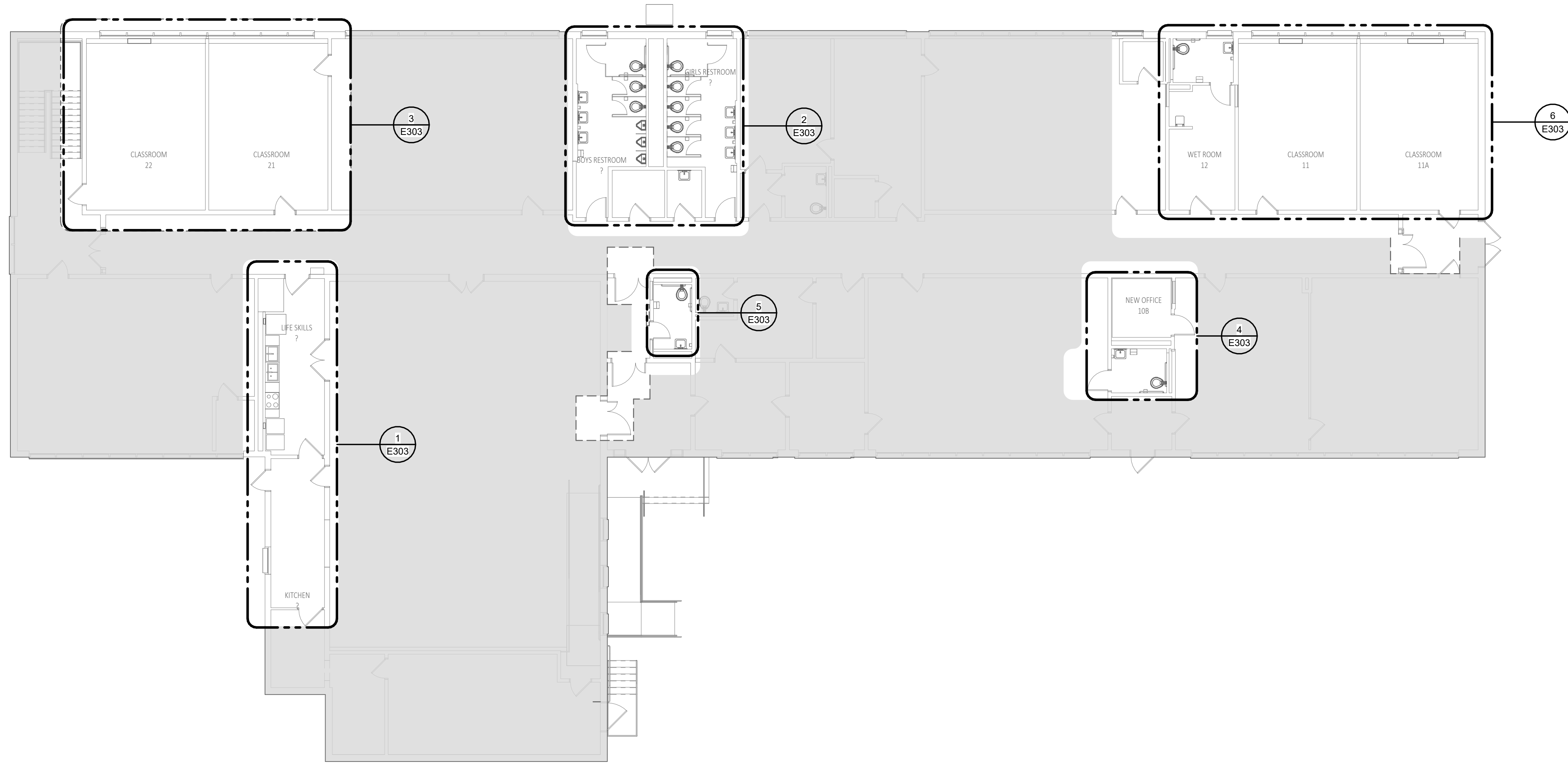
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ADA RENOVATIONS



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1 FIRST FLOOR PLAN - SYSTEMS

$$3/32'' = 1'-0''$$
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FIRST FLOOR PLAN - SYSTEMS

E221

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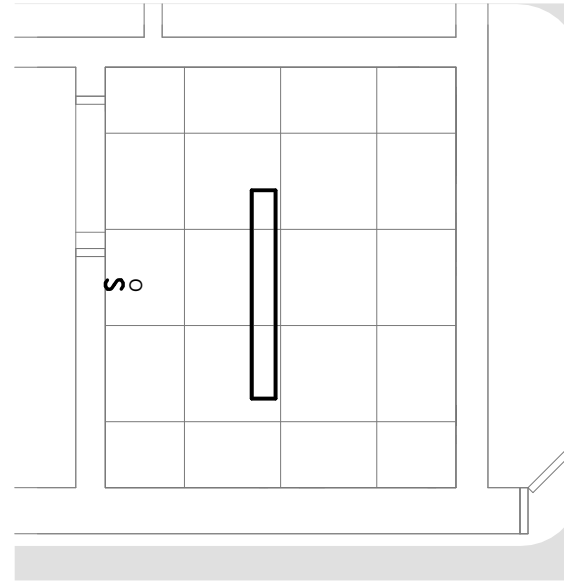
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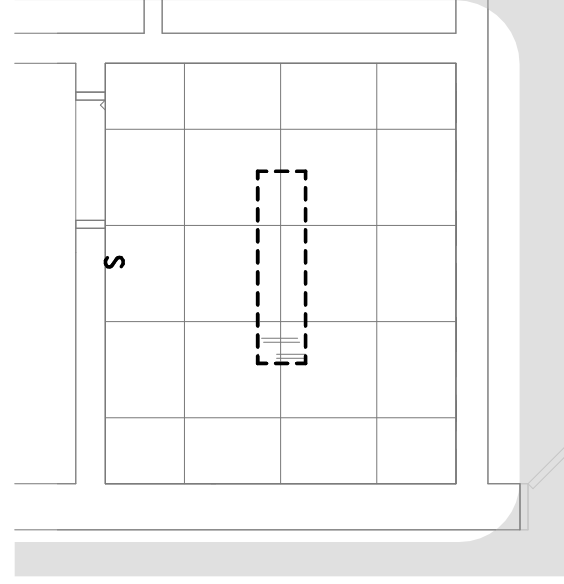
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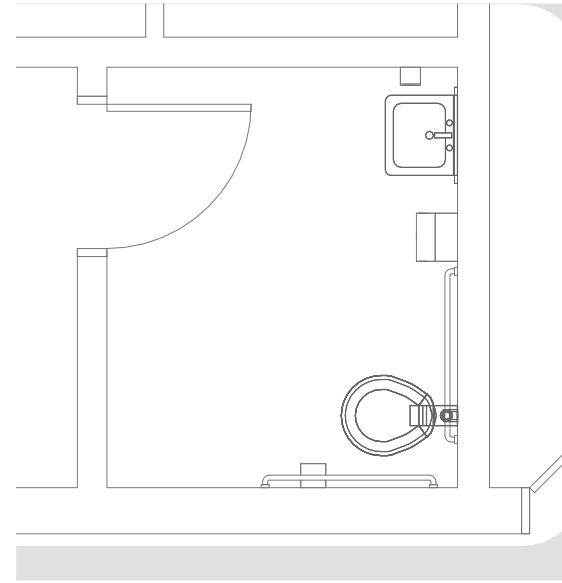
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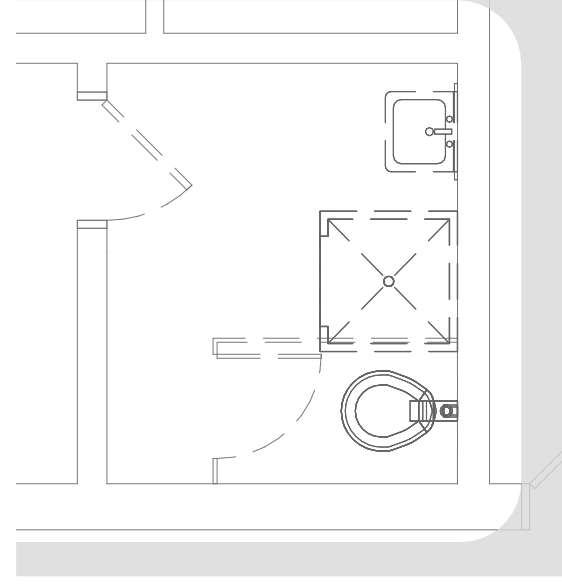
4 BASEMENT PLAN - LIGHTING



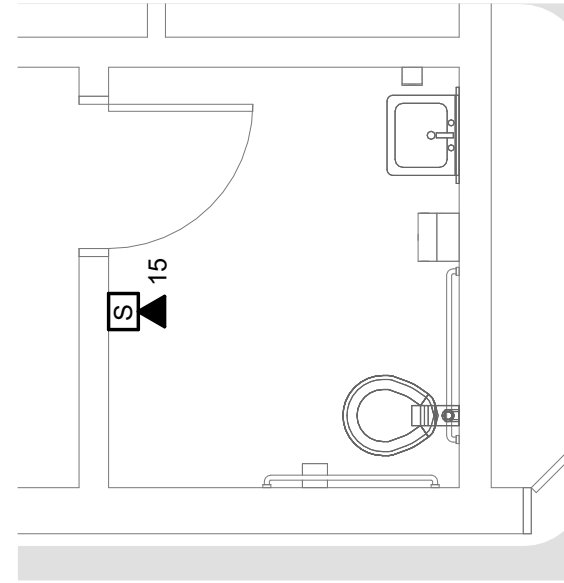
1 BASEMENT DEMO PLAN - LIGHTING



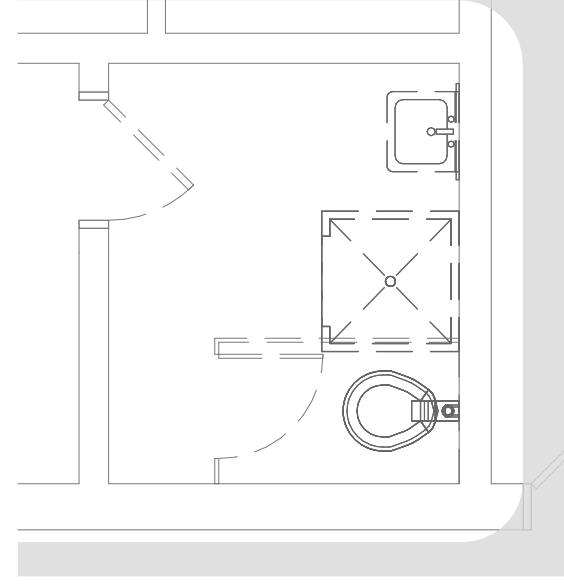
5 BASEMENT PLAN - POWER



2 BASEMENT DEMO PLAN - POWER



6 BASEMENT DEMO PLAN - SYSTEMS



3 BASEMENT DEMO PLAN - SYSTEMS

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ENLARGED BASEMENT ELECTRICAL PLANS

E300

ADA RENOVATIONS

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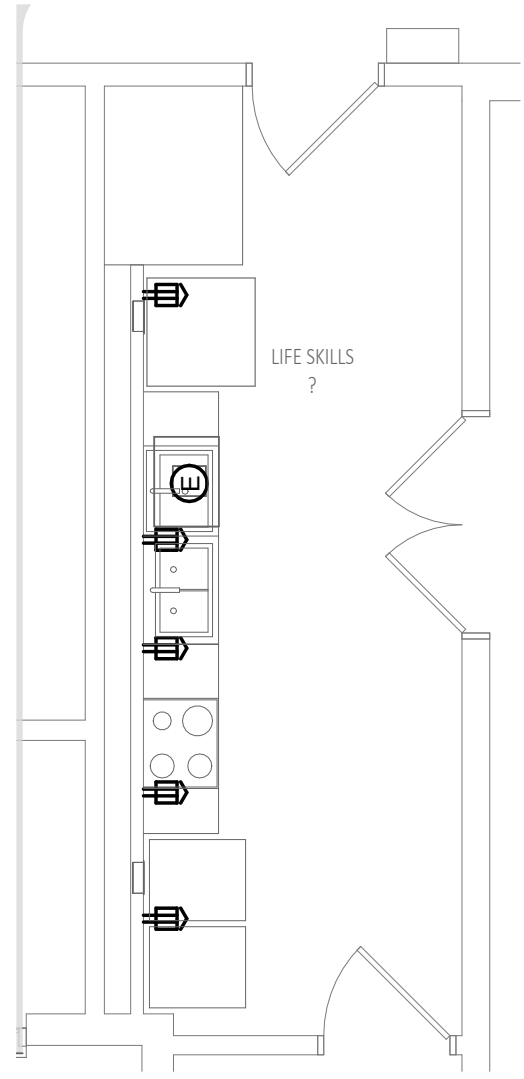
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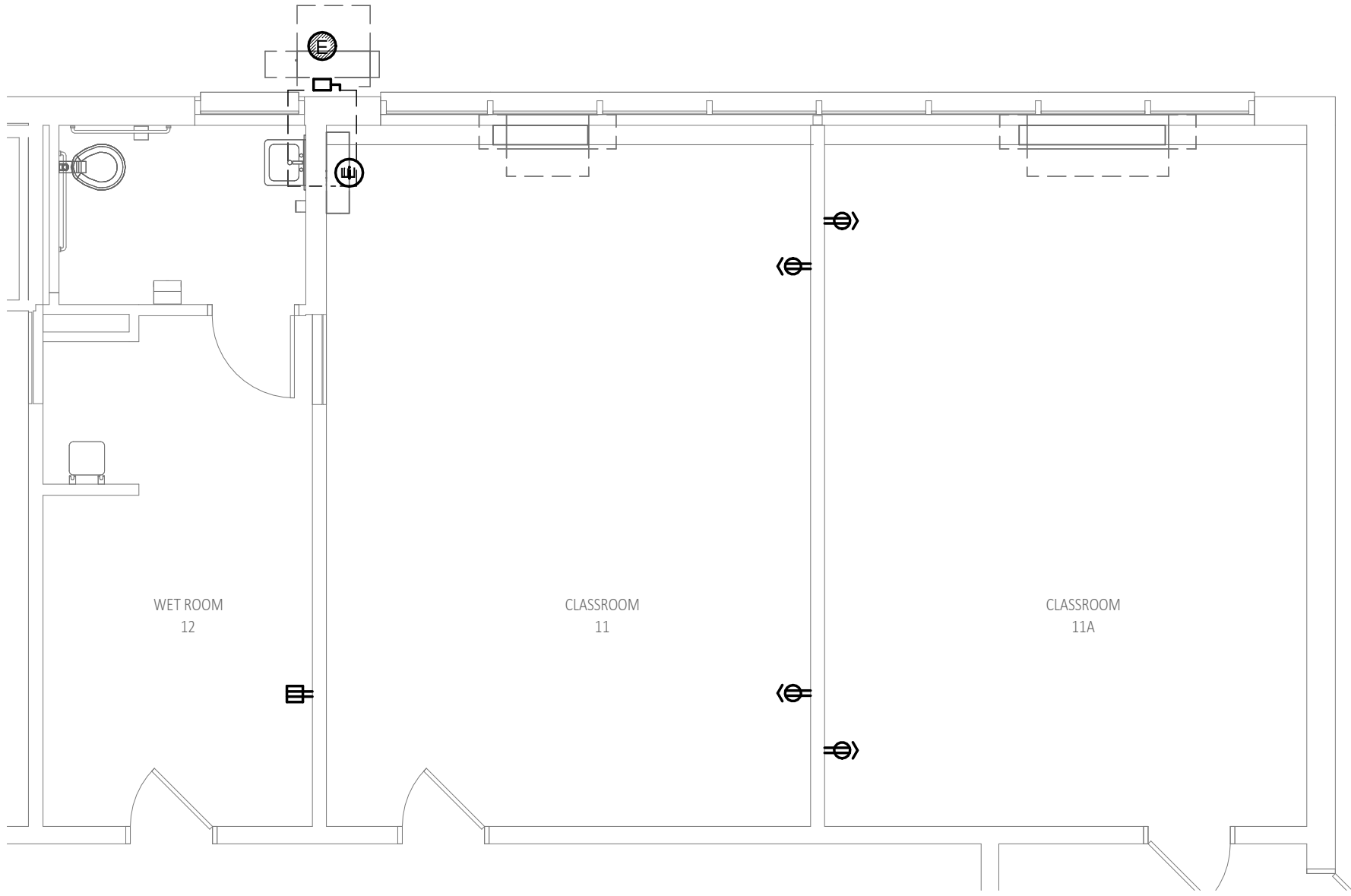
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3 POWER PLAN - STORAGE ROOM



4 POWER PLAN - CLASSROOM 21



2 POWER PLAN - CLASSROOM 11

[illegible]

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DATE: 08/26/2026
SCALE: AS NOTED
DRAWN BY: Author
CHECKED BY: Checker

ENLARGED FIRST FLOOR POWER PLANS

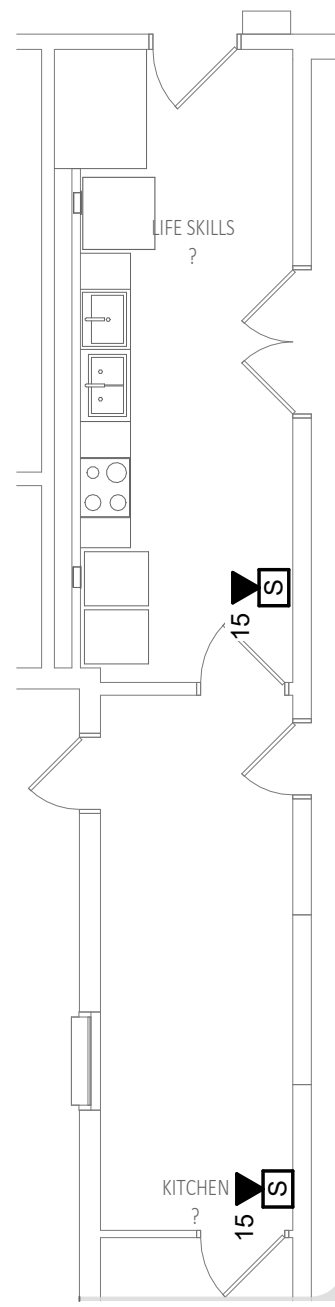
E302

NEW CITIZEN'S
1407A MAIN STREET
WORCESTER, MA 01603

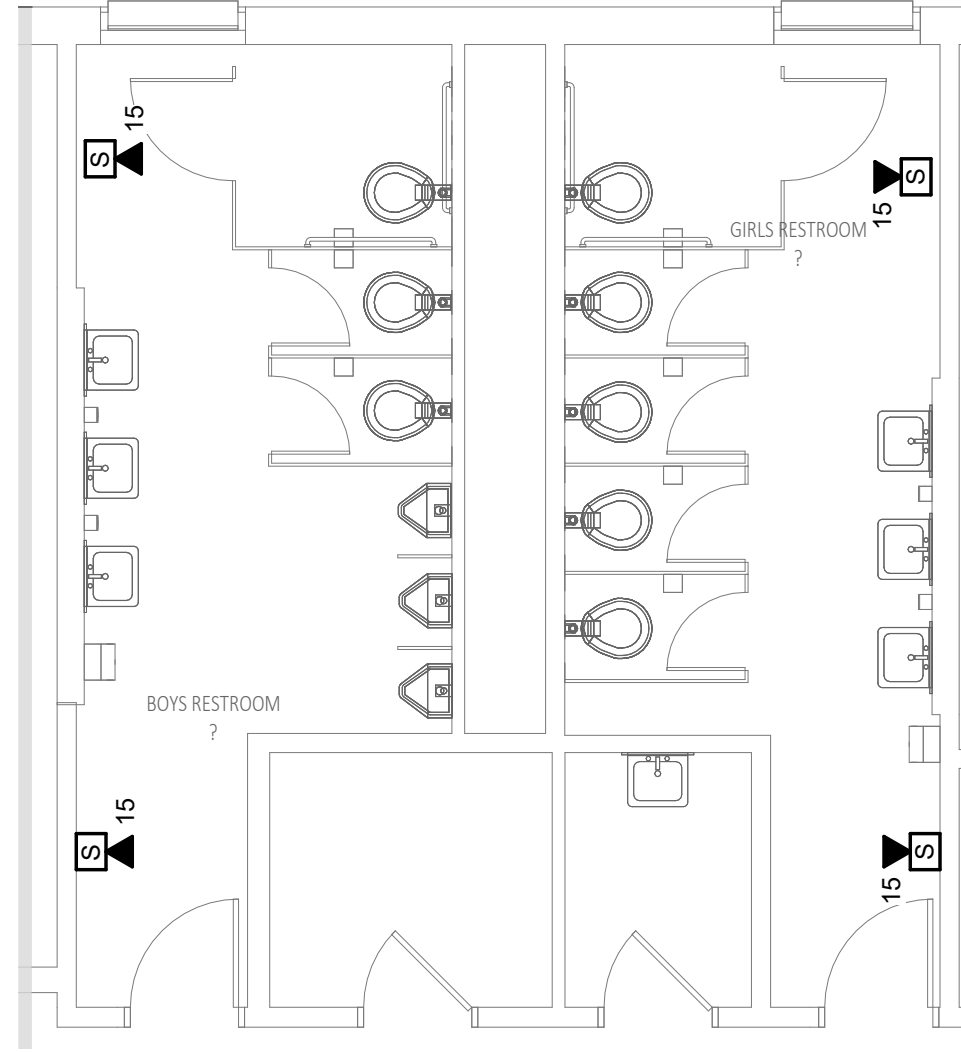
IMEG
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PROJECT #26004039.00

H&A
150 LONGWATER DR
NORWELL, MA 02061
43 HARVARD ST
WORCESTER, MA 01609
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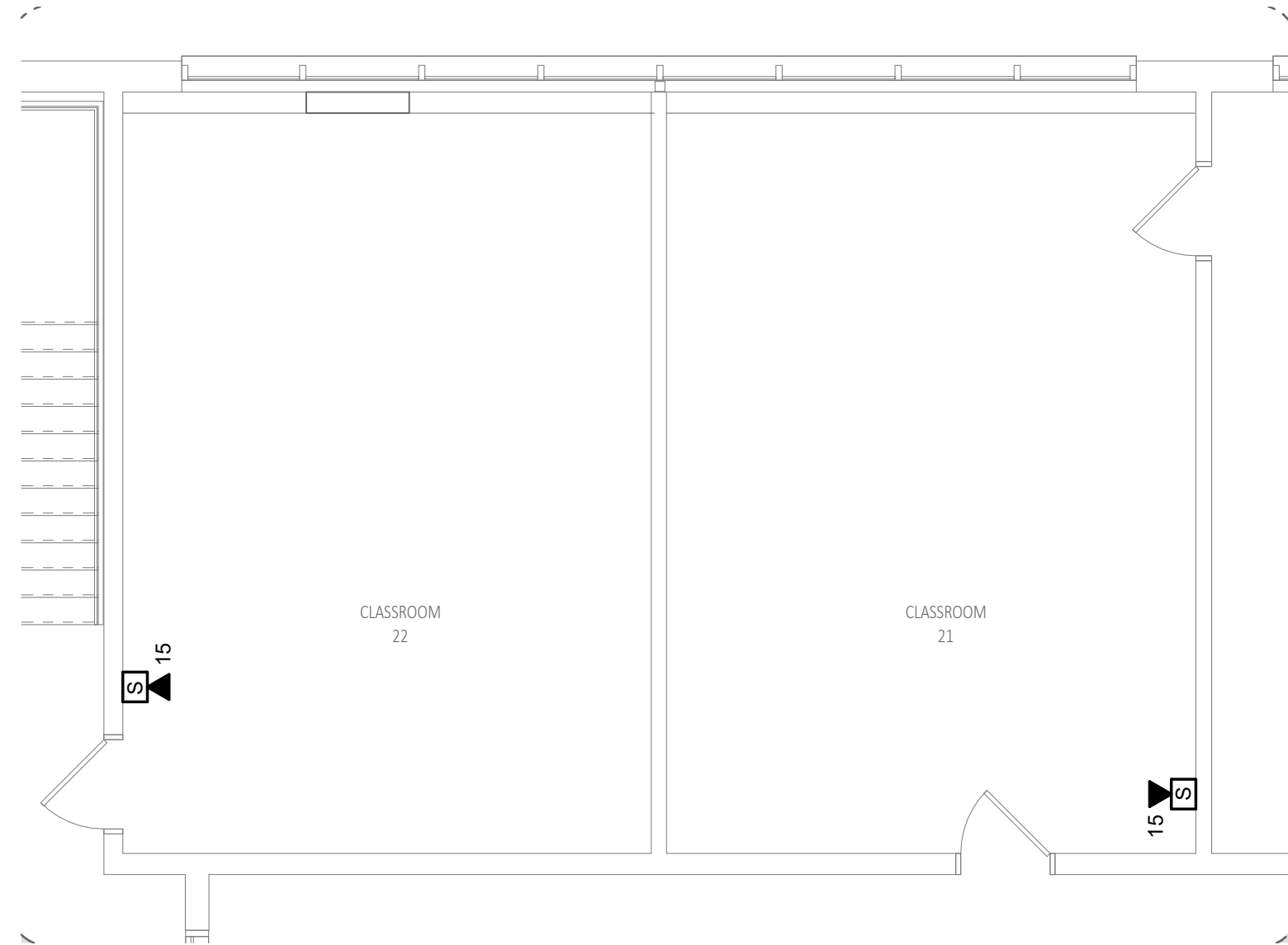
1 SYSTEMS PLAN - LIFE SKILLS



2 SYSTEMS PLAN - 1ST FLR BATHROOMS



3 SYSTEMS PLAN - CLASSROOM 21



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