SECTION 000001 – ADDENDUM NUMBER 2

DATE: DECEMBER 8, 2025

TO: ALL BIDDERS

FROM: WESTON & SAMPSON ENGINEERING, INC,
427 MAIN STREET, SUITE 400
WORCESTER, MA 01608

RE: DCU CENTER EVEVATOR RENOVATION
50 FOSTER STREET, WORCESTER, MA 01608

THIS ADDENDUM FORMS A PART OF THE CONTRACT AND MODIFIES THE ORIGINAL DOCUMENTS DATED NOVEMBER 2025.

PART 1 - GENERAL

1.1 This addendum must be returned with plans and specifications (if not already returned) to have your deposit returned.

1.2 This addendum modifies, amends, and supplements the Contract Documents for the above referenced project. This addendum is hereby made a part of the Contract Documents by reference and shall be as binding as though inserted in locations designated hereunder.

1.3 Each general bidder shall be responsible for notifying all his non-filed sub-bidders and suppliers of the content of this addendum. No claim for additional compensation will be considered because of lack of knowledge of changes or modifications contained in this addenda.

1.4 Questions or requests for clarification shall be in writing, addressed to Jeremy C. Flansburg SPECIAL PROJECT COORDINATOR, City Hall-Purchasing Division, OF PURCHASING**,** 455 Main St room 201, Worcester, MA 01608 or email flansburgj@worcesterma.gov. Please include your name, phone number, and e-mail.

1.5 Part 2 of this addendum indicates revisions to the Project Manual.

1.6 Part 3 of this addendum indicates revisions to the Drawings.

1.7 Part 4 of this addendum indicates clarification to Contractors Questions.

PART 2 - SPECIFICATION – NONE

PART 3 - DRAWINGS

3.1 Replace the following Drawings in their entirety with the versions attached to this addendum.

A. A101 – FLOOR PLANS & ELEVATIONS
B. A201 – SECTIONS, PARTITION DOOR TYPES
C. H101 – FIRST FLOOR AND ROOF PART PLANS
D. H601 – DETAILS AND AUTOMATIC TEMPERATURE CONTROLS

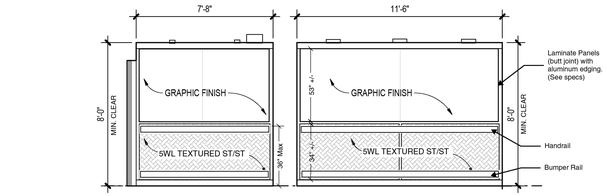
PART 4 - CONTRACTOR QUESTIONS

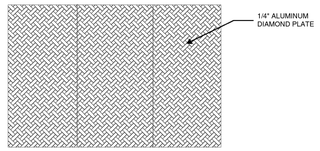
4.1 **Question:** Details 1 & 2 On A201 shows the route of travel for the new lines for the MEP equipment up to the roof. Please provide scope of work as to how we access the wall cavity space and then close it up.
Response: New lines will be routed through the Storage Room and daylight on the flat EPDM roof and terminated on a pitch pocket. Please refer to attached reissued drawings.

4.2 **Question:** Detail 5 on A201 shows a pitch pocket. Is a pitch pocket needed or can all piping and or conduit go through the vertical wall that equipment is proposed to be mounted on?
Response: Yes, pitch pocket will be used at new MEP equipment lines penetrating the storage room roof.

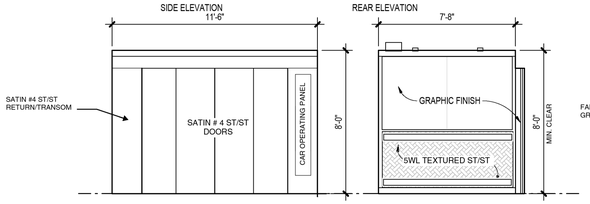
4.3 **Question:** Detail 3 on H101 shows mounting the ACCU's on wall support brackets. Please provide scope of work needed to prepare an adequate support surface to mount on.
Response: ACCU's to be mounted on prefabricated stand 18" high above roof membrane. ACCU unit shall be bolted to supports to withstand wind and seismic loads. Please refer to attached reissued drawings.

END OF ADDENDUM NUMBER 2



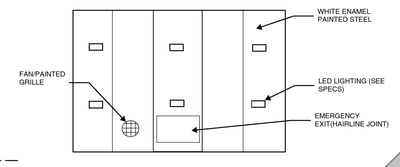


FLOORING

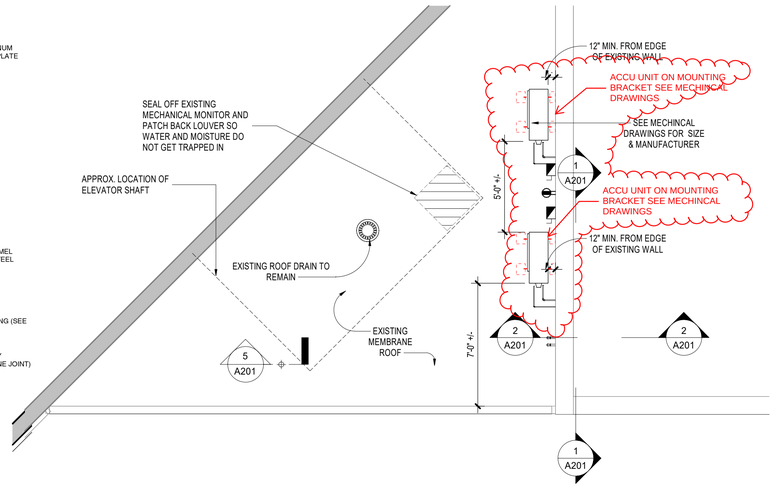


FRONT ELEVATION SIDE ELEVATION

SEE SPECIFICATION DIVISION 14 00 00 FOR ELEVATOR INFORMATION



REFLECTED CEILING PLAN



REFLECTED CEILING PLAN LEGEND:

CEILING TYPES:

TYPE G1: 2-HR FIRE RATED CEILING UL DESIGN NO. U415

TYPE — A — X'-X" — HEIGHT — CEILING TAG

LIGHT FIXTURES

SURFACE MTD. LIGHT FIXTURE

EXIT SIGN

MOTION DETECTOR

SD — SMOKE DETECTOR

OS — OCCUPANCY SENSOR

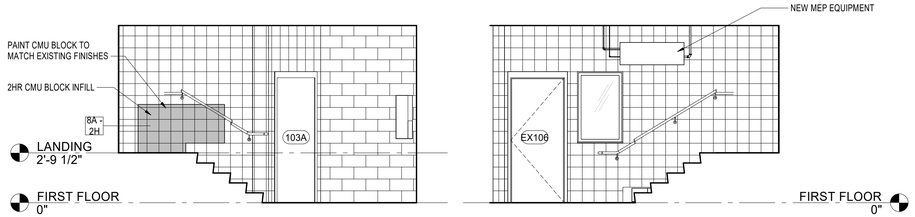
PS — CEILING PHOTO SENSOR

S — CEILING FLUSH MOUNTED SPEAKER

F — FIRE ALARM SPEAKER / VISUAL SIGNAL

F CLG — CEILING MOUNTED FIRE ALARM SPEAKER / VISUAL SIGNAL

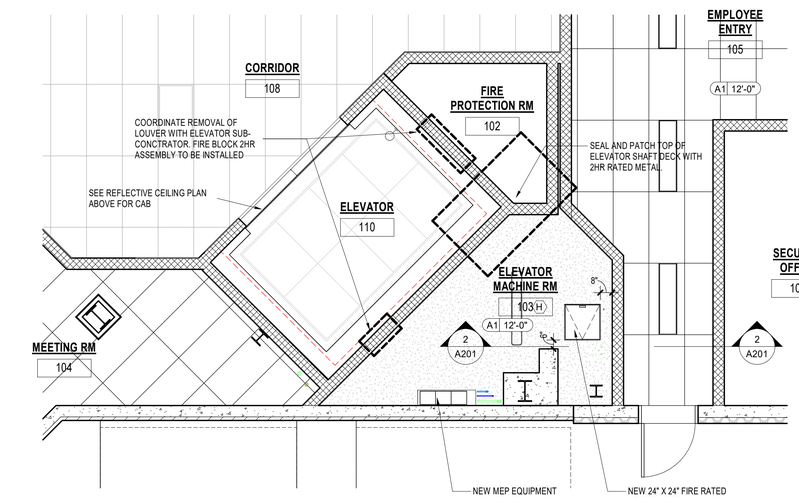
F — FIRE ALARM VISUAL SIGNAL



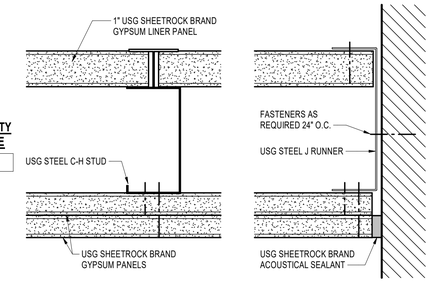
8 INTERIOR ELEVATION 1/4" = 1'-0" 1/ A101

7 INTERIOR ELEVATION 1/4" = 1'-0" 1/ A101

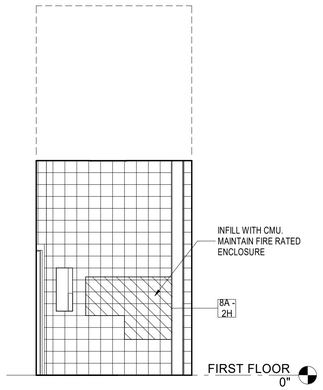
9 ROOF PLAN 1/4" = 1'-0" 1/ A201



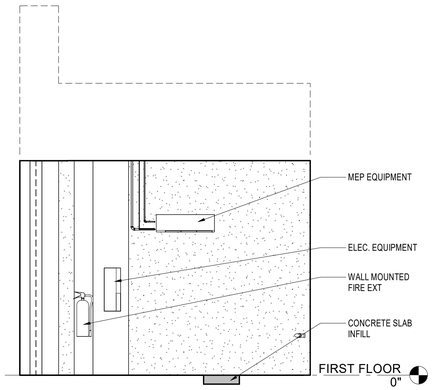
2 FIRST FLOOR RCP 1/4" = 1'-0"



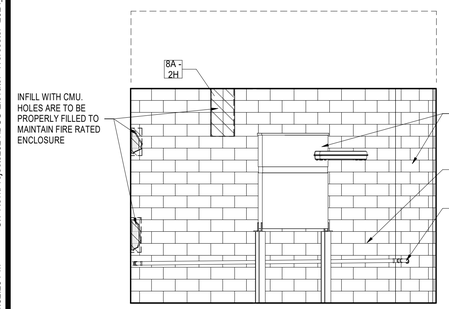
10 CEILING DETAIL 6" = 1'-0" 1/ A201



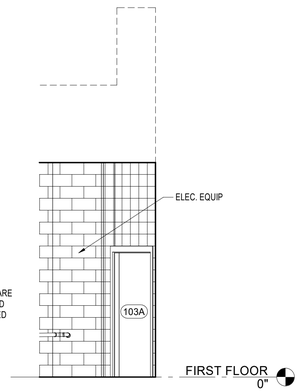
4 INTERIOR ELEVATION 1/4" = 1'-0" 1/ A101



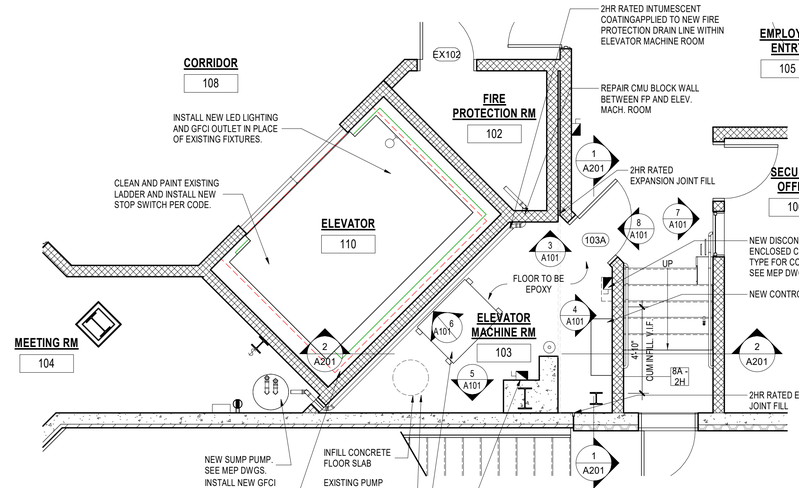
5 INTERIOR ELEVATION 1/4" = 1'-0" 1/ A101



6 INTERIOR ELEVATION 1/4" = 1'-0" 1/ A101



3 INTERIOR ELEVATION 1/4" = 1'-0" 1/ A101



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

0' 2' 4' 8'

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

Project:

DCU CENTER ELEVATOR RENOVATIONS

CITY OF WORCESTER, MA

Weston & Sampson

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978.532.1900 800.SAMPSON

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Revisions:

No.	Date	Description
2	12/8/2025	new ACCU Mounted location on roof

COA:

Seal:

REGISTERED ARCHITECT — DANIEL G. TENNEY III — No. 6688 — CAMBRIDGE MA — COMMONWEALTH OF MASSACHUSETTS

Issued For:

BIDDING

Scale:

Key Plan:

Date:	NOVEMBER 2025
Drawn By:	DG
Reviewed By:	JPB
Approved By:	DGT
W&S Project No.:	ENG25-0990
W&S File No.:	XXX

Drawing Title:

FLOOR PLANS & ELEVATIONS

Sheet Number:

A101

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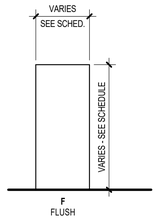
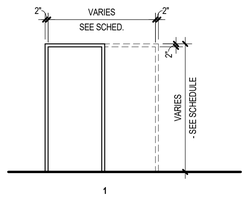


DOOR TYPES
SCALE: 1/4" = 1'-0"



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

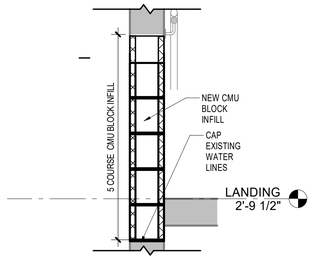
7 DOOR & FRAMES TYPES & ELEVATIONS
1/4" = 1'-0"

DOOR SCHEDULE

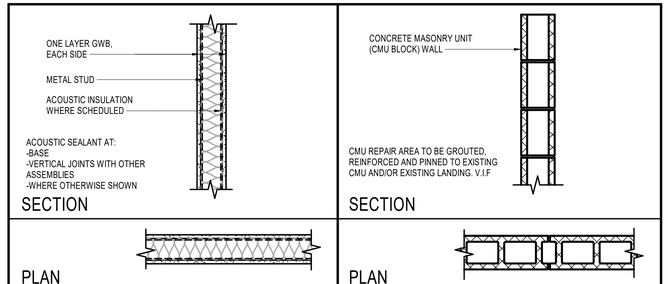
DOOR #	DOORS TYPE	DOORS MATERIAL	DOORS FINISH	DOORS WIDTH	DOORS HEIGHT	FRAMES TYPE	FRAMES MATERIAL	FRAMES FINISH	BLINDS	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	GLAZING TYPE	RATING	HDWR SET	CARD READER	DOOR CONTACT	REMARKS
103A	F	HM	PNT	3'-0"	7'-0"	1	EX							2				NEW HARDWARE, NEW PERIMETER GASKETING FOR THE 2-HOUR RATED DOOR ASSEMBLY

ROOM FINISH SCHEDULE

#	ROOM NAME	FLOOR MAT	FLOOR FINISH	FLOOR BASE	WALLS MAT	WALLS FINISH	CEILING MAT	CEILING FINISH	CEILING HEIGHT	CEILING TYPE	REMARKS
102	FIRE PROTECTION RM	EX CONC.	EXIST TO REMAIN	EXIST TO REMAIN	EX CONC.	PTD	EXPOSED	PTD	NA	EXIST TO REMAIN	
103	ELEVATOR MACHINE RM	EX CONC.	EPOXY	EPOXY	EX CONC.	PTD	GWB	PTD	12'-0"	2HR RATED	
106	SECURITY OFFICE	EX CONC.	EXIST TO REMAIN	EXIST TO REMAIN	EX CONC.	PTD	ACT	MATCH EXISTING	12'-0"	EXIST TO REMAIN	
108	CORRIDOR	EX CONC.	EXIST TO REMAIN	EXIST TO REMAIN	EX CONC.	PTD	ACT	MATCH EXISTING	12'-0"		
205	TOILET										



3 CMU WALL INFILL
3/4" = 1'-0" 2/ A201



MARK	CORE SIZE	GWB THICK	GWB HEIGHT	TOTAL PARTITION THICK	ACOUSTIC INSUL	FIRE RATING / UL DESIGN NO.
3B	3 5/8"	5/8"	5" ABOVE FINISHED CLG	4 7/8"	NO	-
3	3 5/8" METAL STUD - 1 LAYER GWB - BOTH SIDES					

MARK		GWB THICK	GWB HEIGHT	TOTAL THICK	ACOUSTIC INSUL	FIRE RATING / UL DESIGN NO.
8A - 2H	8" NOM	-	-	7 5/8"	NO	2 HR PARTITION - U905
8	CMU WALLS					

WALL TYPE NOTES:

1. WALL TYPES LISTED REPRESENT SEVERAL TYPES OF WALL CONSTRUCTION, ALL OF WHICH MAY NOT BE USED ON THIS PROJECT. REFER TO FLOOR PLANS FOR WALL TYPE DESIGNATIONS.
2. EXTEND ALL METAL STUDS AND GYPSUM BOARD TO UNDERSIDE OF STRUCTURAL DECK ABOVE. WHERE ABUSE RESISTANT GYPSUM BOARD (ARGB) IS USED, EXTEND ARGB TO 6" ABOVE FINISH CEILING, CONTINUE WITH GYPSUM BOARD TO UNDERSIDE OF DECK.
3. AT ALL NON-FIRE RATED PARTITIONS, FILL VOIDS WITH SOUND ATTENUATION INSULATION INCLUDING, BUT NOT LIMITED TO, FLUTES IN METAL FLOOR / ROOF DECK, VOIDS BETWEEN PARTITIONS AND STRUCTURAL MEMBERS, PENETRATIONS OF DUCTWORK, ELECTRICAL CONDUIT, PIPING, ETC.
4. GYPSUM BOARD AND ARGB USED IN A ONE, TWO, OR THREE HOUR FIRE-RESISTANCE RATED PARTITION MUST BEAR THE U.L. CLASSIFICATION MARKING.

   SMOKE PARTITIONS:

5. NON-FIRE-RESISTANCE RATED PARTITIONS REQUIRED TO RESIST THE PASSAGE OF SMOKE ARE DESIGNATED AS "SMOKE RESISTANT" WITH AN ASTERISK (*) LOCATED BELOW THE WALL TYPE DESIGNATION. EXTEND ALL SMOKE PARTITIONS TO THE UNDERSIDE OF METAL FLOOR / ROOF DECK AND / OR STRUCTURE ABOVE. PENETRATIONS AND VOIDS SHALL BE FIRESTOPPED IN ACCORDANCE WITH DIVISION 07 SPECIFICATION SECTION "FIRESTOPPING" ALL HEAD-OF-WALL JOINTS AND FLOOR-TO-WALL JOINTS SHALL BE SEALED IN ACCORDANCE WITH SPECIFICATION SECTION "FIRESTOPPING".

   SMOKE BARRIERS:

6. FOR THE PURPOSE OF SUBDIVIDING BUILDING SPACES, SMOKE BARRIERS ARE FIRE-RESISTANCE RATED PARTITIONS, DESIGNATED WITH AN "S" LOCATED ADJACENT TO THE WALL TYPE DESIGNATION.
7. PROVIDE SMOKE DAMPERS AT DUCTWORK PENETRATIONS IN ALL ONE, TWO, AND THREE HOUR FIRE-RESISTANCE RATED SMOKE BARRIERS.
8. REFER TO FIRE-RESISTANCE RATED CONSTRUCTION FOR ADDITIONAL REQUIREMENTS.

   FIRE-RESISTANCE RATED CONSTRUCTION:

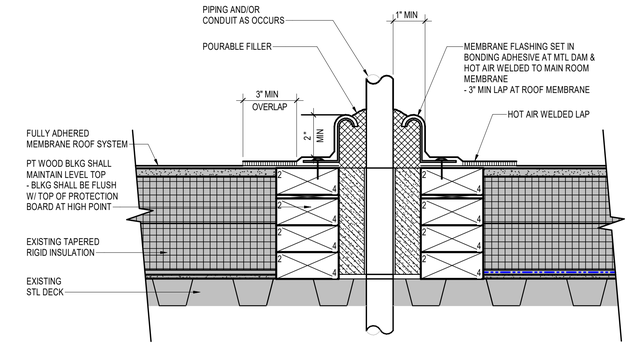
9. ALL FIRE-RESISTANCE RATED PARTITIONS RESIST THE PASSAGE OF SMOKE AND ARE CONSIDERED SMOKE RESISTANT WITHOUT THE ASTERISK DESIGNATION. EXTEND ALL FIRE-RESISTANCE RATED PARTITIONS TO THE UNDERSIDE OF METAL FLOOR/ROOF DECK AND/OR STRUCTURE ABOVE. PENETRATIONS AND VOIDS SHALL BE FIRESTOPPED IN ACCORDANCE WITH SPECIFICATION SECTION "FIRESTOPPING". ALL HEAD-OF-WALL JOINTS AND FLOOR-TO-WALL JOINTS SHALL BE SEALED IN ACCORDANCE WITH SPECIFICATION SECTION "FIRE-RESISTIVE JOINT SYSTEMS."

   X — WALL TYPE
   12'-0" A.F.F. — (HEIGHT OF WALL IF APPLICABLE, IF NO DIMENSION, THEN WALL IS TO UNDERSIDE OF DECK)

10. GYPSUM BOARD AT EXTERIOR WALLS IS TO GO TO THE UNDERSIDE OF DECK AND HAVE THE ROOF VAPOR BARRIER / FABRIC LINER EXTEND AND SEALED AGAINST THE BACK SIDE OF THE GYPSUM BOARD.

2 SECTION 2
1/4" = 1'-0" 1/ A101

1 SECTION 1
1/4" = 1'-0" 1/ A101



5 PITCH POCKET
3" = 1'-0" 9/ A101

Project:
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CITY OF WORCESTER, MA

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Revisions:

No.	Date	Description
2	12/8/2025	new ACCU Mounted location on roof

COA:

Seal:
REGISTERED ARCHITECT — DANIEL G. TENNEY III — No. 6688 — CAMBRIDGE MA — COMMONWEALTH OF MASSACHUSETTS

Issued For:
BIDDING

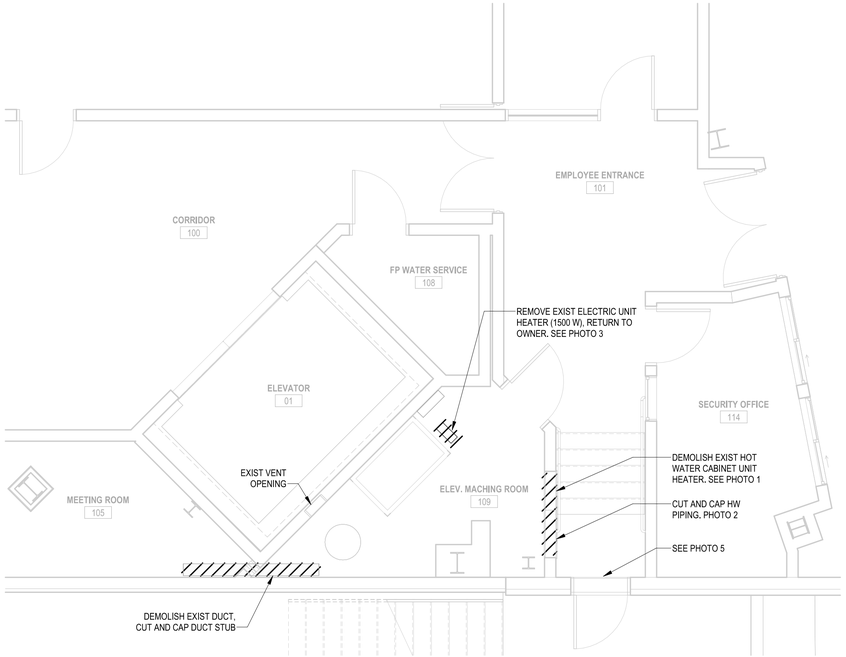
Scale: NTS

Key Plan:

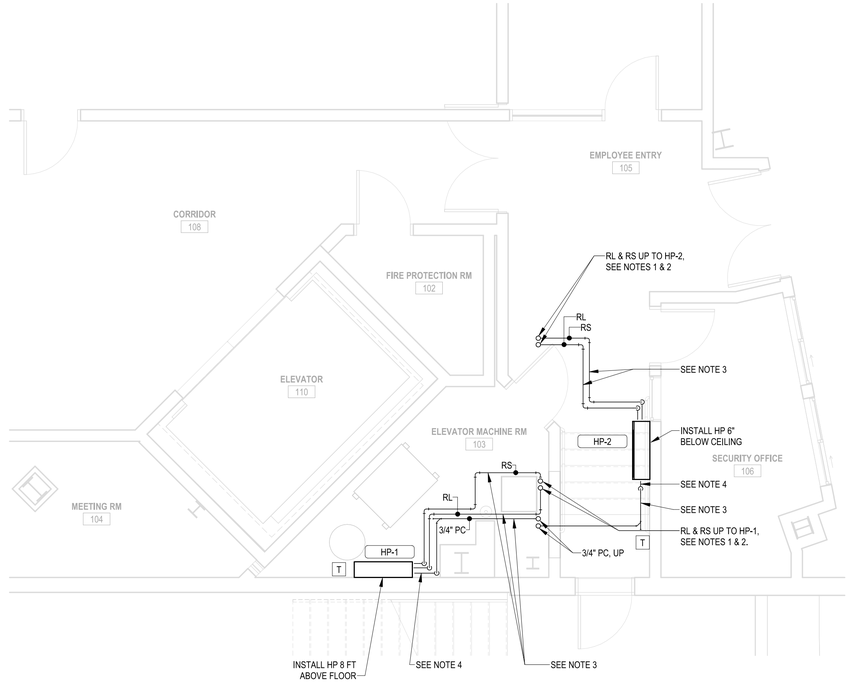
Date:	NOVEMBER 2025
Drawn By:	DG
Reviewed By:	JPB
Approved By:	DGT
W&S Project No.:	ENG25-0990
W&S File No.:	XXX

Drawing Title:
SECTIONS, PARTITION & DOOR TYPES

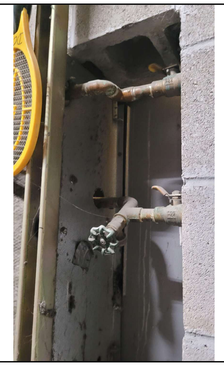
Sheet Number:
A201



1 DEMOLITION FLOOR PART PLAN - HVAC
1/4" = 1'-0"



2 FLOOR PART PLAN - HVAC
1/4" = 1'-0"

	
PHOTO 1 - EXISTING CABINET UNIT HEATER IN EMPLOYEE ENTRY	PHOTO 2 - EXISTING CABINET UNIT HEATER HOT WATER PIPING IN ELEVATOR MACHINE ROOM
	
PHOTO 3 - EXISTING ELECTRIC UNIT HEATER IN ELEVATOR MACHINE ROOM	PHOTO 4 - EXISTING LOW ROOF

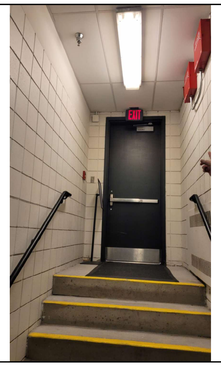
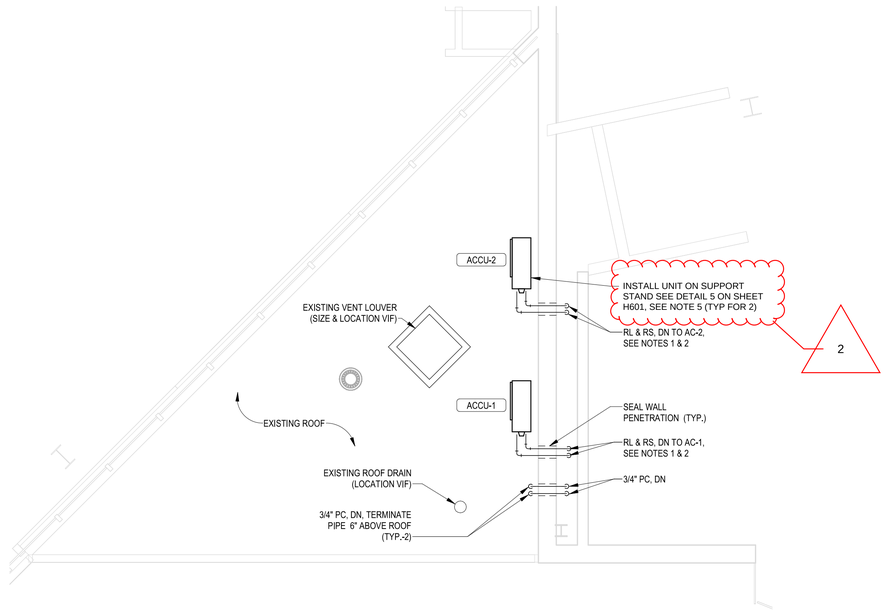


PHOTO 5 - EXISTING EMPLOYEE ENTRANCE DOOR

NOTES:

1. REFRIGERANT PIPING SIZES SHALL BE PER DUCTLESS SPLIT SYSTEM MANUFACTURER.
2. REFRIGERANT PIPING TOTAL EQUIVALENT LENGTH SHALL NOT EXCEED DUCTLESS SPLIT SYSTEM MANUFACTURER'S RECOMMENDATIONS.
3. RUN RL, RS, AND PC PIPING ABOVE CEILING. COORDINATE PIPING WITH BUILDING EXISTING AND NEW CONDITIONS.
4. PROVIDE HP UNIT WITH CONDENSATE PUMP. RUN 3/4" PC PIPE ABOVE UP TO LOW ROOF.
5. PROVIDE MINIMUM SPACE AROUND UNITS AS REQUIRED BY THE MANUFACTURER. COORDINATE ACCU LOCATION WITH EXISTING ROOF AND WALL FEATURES.



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

0 2' 4' 8'

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COA:

Seal:
COMMONWEALTH OF MASSACHUSETTS
ALAIN A. HADDAD
MECHANICAL
No. 46866
REGISTERED PROFESSIONAL ENGINEER
Alain Haddad
Date: 2025.11.24 09:44:02-05'00'

Issued For:
BID DOCUMENTS

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

Key Plan:

Date:	NOVEMBER 2025
Drawn By:	YK
Reviewed By:	SEH
Approved By:	AAH
W&S Project No.:	ENG25-0990
W&S File No.:	XXX

Drawing Title:
FIRST FLOOR AND ROOF PART PLANS

Sheet Number:
H101

CONTROL POINT DESCRIPTOR LEGEND

TAG	ATC CONTRACTOR PROVIDED DDC POINT AND HARDWARE
TAG	CONTROL DEVICE FURNISHED BY ELECTRICAL OR PLUMBING CONTRACTOR BUT INTERFACED TO DDC SYSTEM BY ATC CONTRACTOR (ELEC SHOWN)
TAG	ATC CONTRACTOR INTERFACE TO EQUIPMENT MANUFACTURER'S HARDWARE
TAG	ATC CONTRACTOR PROVIDED LOCAL CONTROL POINT

CONTROL ABBREVIATIONS

ACD	AUTOMATIC CONTROL DAMPER
ACV	AUTOMATIC CONTROL VALVE
ALM	ALARM
ATC	AUTOMATIC TEMPERATURE CONTROL
BDD	BACKDRAFT DAMPER W/ ADJ COUNTERWEIGHT
CAP	CAPACITY CONTROL
CCLT	COOLING COIL LEAVING AIR TEMP SENSOR
CLT	COIL LAT SENSOR
CT	CURRENT TRANSFORMER (STATUS FEEDBACK)
DAT	DISCHARGE AIR TEMPERATURE SENSOR
DDC	DIRECT DIGITAL CONTROL
DSP	DISCHARGE STATIC PRESSURE SENSOR
EAD	EXHAUST AIR DAMPER
EAT	ENTERING AIR TEMPERATURE
ECM	ELECTRONICALLY COMMUTATED MOTOR
ES	END SWITCH
FA	FAULT ALARM
FS	FLOW SWITCH
H	RELATIVE HUMIDITY SENSOR
HCLT	HEATING COIL LEAVING AIR TEMP SENSOR
HE	HIGH EFFICIENCY
HEGA	HE GAS ABSORBER FILTER
HEPA	HE PARTICULATE AIR FILTER
HGB	HOT GAS BYPASS
HOA	HANDS-OFF AUTOMATIC SWITCH
HS	HAND SWITCH
LAT	LEAVING AIR TEMP SENSOR
LSPS	LOW STATIC PRESSURE SWITCH
LSI	LIGHT SWICH INTERFACE
LSHA	LEVEL SENSOR HIGH ALARM
LSHS	LEVEL SENSOR HIGH SWITCH
LSLA	LEVEL SENSOR LOW ALARM
LSLS	LEVEL SENSOR LOW SWITCH
MD	MOTION DETECTOR
NC	NORMALLY CLOSED (ON LOSS OF POWER)
NO	NORMALLY OPEN (ON LOSS OF POWER)
OAD	OUTSIDE AIR DAMPER
PIACV	PRESSURE INDEPENDANT ACV
PR	PRESSURE SENSOR
RV	REHEAT CONTROL VALVE
RH	RELATIVE HUMIDITY
RI	RUN INDICATOR
RSID	RETURN SMOKE ISOLATION DAMPER
S	SWITCH
SAD	SUPPLY AIR DAMPER
SD	SMOKE DAMPER
SDET	SMOKE DETECTOR
SFT	SMOKE/FIRE DETECTOR
SP	STATIC PRESSURE SENSOR
SPD	SPEED CONTROL
S/S	START/STOP
T	THERMOSTAT
TS	TEMPERATURE SENSOR

GENERAL ATC NOTES

1. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS AND REQUIREMENTS.
2. ON-SITE TRAINING SHALL INCLUDE A MINIMUM OF 4 HOURS OF HANDS ON INSTRUCTION GEARED TOWARD OPERATION AND MAINTENANCE OF THE SYSTEMS, PRIOR TO TRAINING, THE NECESSARY LESSON PLANS, TRAINING DOCUMENTS, HANDOUTS, ETC. SHALL BE PROVIDED WITH THE CURRICULUM OUTLINED.
3. ALL TRAINING SHALL BE RECORDED AND COPIED TO DVD BY THE ATC CONTRACTOR. THREE COPIES OF THE RECORDED SESSIONS SHALL BE SUBMITTED TO THE OWNER FOR THEIR USE.
4. PROVIDE WIRING FROM ELECTRICAL SOURCE TO MISCELLANEOUS ATC DEVICES. REFER TO HVAC PLANS, HVAC MECHANICAL ROOM PLANS, AND ELECTRICAL PLANS FOR LOCATION OF POWER SOURCES FOR ATC SYSTEM.
5. PROVIDE DEMOLITION OF EXISTING CONTROL COMPONENTS WHICH ARE BEING REPLACED BY THE NEW ATC CONTROL SYSTEM.
6. ALL ATC CONTROLS SHALL BE HARDWIRED. NO WIRELESS TECHNOLOGY SHALL BE ALLOWED. ALL EXPOSED WIRING IN THE SHOPS, MAINTENANCE OR STORAGE AREAS SHALL BE INSTALLED IN MINIMUM 1/2 INCH GALVANIZED EMT CONDUIT. ALL EXPOSED WIRING IN A CLASS 1 DIVISION 1 SPACE SHALL BE INSTALLED IN MINIMUM 1/2" PVC COATED RIGID STEEL.
7. INSTALL ALL NEW CONTROL WIRING FOR OCCUPIED SPACES IN THE WALLS. WHERE WIRING WOULD BE EXPOSED IN THESE AREAS, THE WIRING SHALL BE INSTALLED IN WIRE MOLD.

DIAGRAM EQUIPMENT SYMBOLS

DX / C	DX COOLING COIL
	UNIT HEATER
	AIR COOLED CONDENSING UNIT
	PROPELLER FAN
	TUBE AXIAL OR VANE AXIAL FAN
	INLINE CENTRIFUGAL FAN

NOTE: SOME OR ALL SYMBOLS MAY BE USED ON THIS PROJECT

DDC MATRIX

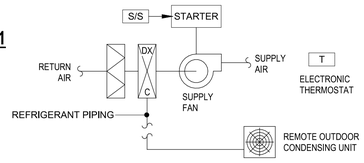
DDC CONTROL MATRIX		
EQUIPMENT CATEGORY	CONTROLS BY:	
	MFR	ATC
SPLIT SYSTEMS	X	

EQUIPMENT PROVIDED WITH PACKAGED CONTROL WILL BE PROVIDED WITH BACNET COMMUNICATION ACCESSORIES TO INTEGRATED INTO BMS. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ATC CONTRACTOR AND EQUIPMENT MANUFACTURERS.

GLOBAL POINTS

TS RH	GLOBAL OUTDOOR AIR TEMPERATURE AND RELATIVE HUMIDITY SENSORS.

HP-1 ACCU-1



DUCTLESS SPLIT CONTROLS:

GENERAL
1. DUCTLESS SPLIT SYSTEM SHALL BE CONTROLLED VIA THE MANUFACTURER'S PACKAGED CONTROL SYSTEM (7 DAY PROGRAMMABLE THERMOSTAT). PROVIDE BACNET GATEWAY TO INTERFACE WITH BMS.
2. ALL SETPOINTS SHALL BE ADJUSTABLE.
3. ALL TEMPERATURES LISTED ARE IN FAHRENHEIT.
4. INVERTER DRIVEN COMPRESSORS AND SAFETIES ON COMPRESSORS SHALL BE PROVIDED BY THE MANUFACTURER.
5. WIRE AND TEST UNIT MANUFACTURER'S CONTROLS.

COOLING CONTROL
1. THE SUPPLY FAN SHALL BE DE-ENERGIZED. UPON A RISE IN ROOM TEMPERATURE ABOVE THE COOLING SETPOINT OF 85°F (ADJ), THE DUCTLESS SPLIT SYSTEM SHALL MODULATE TO MAINTAIN THE SETPOINT.
2. THE OPPOSITE SHALL OCCUR ON A DROP IN SPACE TEMPERATURE BELOW 80°F (ADJ).

HEATING CONTROL
1. THE SUPPLY FAN SHALL BE DE-ENERGIZED. UPON A DROP IN ROOM TEMPERATURE BELOW THE HEATING SETPOINT OF 55°F (ADJ), THE DUCTLESS SPLIT SYSTEM SHALL BE ENERGIZED TO MAINTAIN THE SETPOINT.
2. THE OPPOSITE SHALL OCCUR ON A RISE IN SPACE TEMPERATURE ABOVE 60°F (ADJ).

DUCTLESS SPLIT SYSTEM (ELEVATOR MACHINE ROOM)

HP-2 ACCU-2

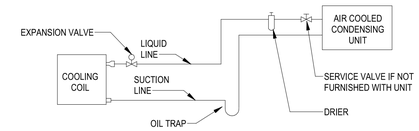
DUCTLESS SPLIT CONTROLS:

GENERAL
1. DUCTLESS SPLIT SYSTEM SHALL BE CONTROLLED VIA THE MANUFACTURER'S PACKAGED CONTROL SYSTEM (7 DAY PROGRAMMABLE THERMOSTAT).
2. COORDINATE OCCUPIED AND UNOCCUPIED SCHEDULES WITH THE OWNER.
3. ALL SETPOINTS SHALL BE ADJUSTABLE.
4. ALL TEMPERATURES LISTED ARE IN FAHRENHEIT.
5. INVERTER DRIVEN COMPRESSORS AND SAFETIES ON COMPRESSORS SHALL BE PROVIDED BY THE MANUFACTURER.
6. WIRE AND TEST UNIT MANUFACTURER'S CONTROLS.

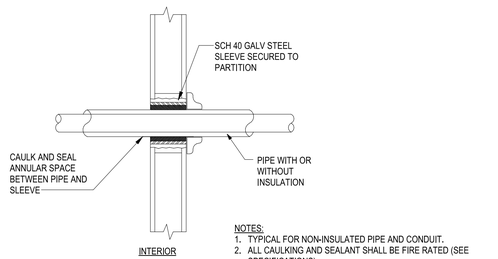
COOLING CONTROL
1. THE SUPPLY FAN SHALL BE DE-ENERGIZED. UPON A RISE IN ROOM TEMPERATURE ABOVE THE COOLING SETPOINT OF 78°F (ADJ), THE DUCTLESS SPLIT SYSTEM SHALL BE ENERGIZED TO MAINTAIN THE SETPOINT.
2. THE OPPOSITE SHALL OCCUR ON A DROP IN SPACE TEMPERATURE BELOW 74°F (ADJ).

HEATING CONTROL
1. THE SUPPLY FAN SHALL BE DE-ENERGIZED. UPON A DROP IN ROOM TEMPERATURE BELOW THE HEATING SETPOINT OF 68°F (ADJ), THE DUCTLESS SPLIT SYSTEM SHALL BE ENERGIZED TO MAINTAIN THE SETPOINT.
2. THE OPPOSITE SHALL OCCUR ON A RISE IN SPACE TEMPERATURE ABOVE 72°F (ADJ).

DUCTLESS SPLIT SYSTEM (EMPLOYEE ENTRY)

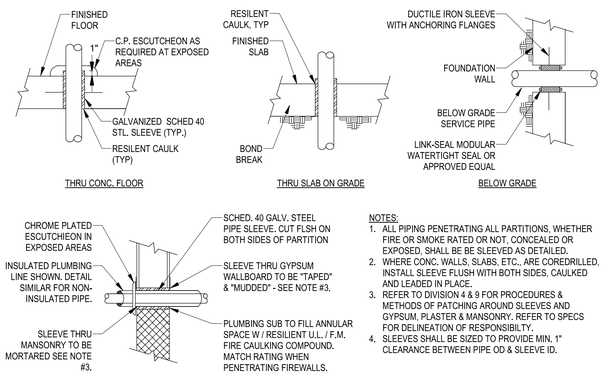


1 H601 SPLIT SYSTEM FAN COIL UNIT PIPING SCHEMATIC
NOT TO SCALE



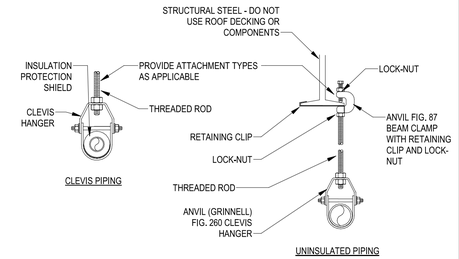
NOTES:
1. TYPICAL FOR NON-INSULATED PIPE AND CONDUIT.
2. ALL CAULKING AND SEALANT SHALL BE FIRE RATED (SEE SPECIFICATIONS).
3. WHERE PIPING IS EXPOSED AT FINISHED WALL, FLUSH MOUNT SLEEVE AND PROVIDE AN ESCUTCHEON PLATE.

2 H601 PIPE PENETRATION THRU INTERIOR WALLS
NOT TO SCALE

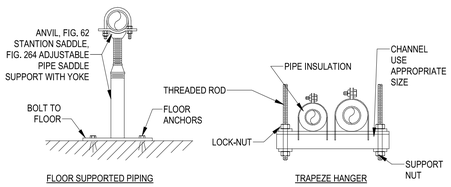


NOTES:
1. ALL PIPING PENETRATING ALL PARTITIONS, WHETHER FIRE OR SMOKE RATED OR NOT, CONCEALED OR EXPOSED, SHALL BE BE SLEEVED AS DETAILED.
2. WHERE CONC. WALLS, SLABS, ETC., ARE COREDRILLED, INSTALL SLEEVE FLUSH WITH BOTH SIDES, CAULKED AND LEADED IN PLACE.
3. REFER TO DIVISION 4 & 9 FOR PROCEDURES & METHODS OF PATCHING AROUND SLEEVES AND GYPSUM, PLASTER & MANSONRY. REFER TO SPECS FOR DELINEATION OF RESPONSIBILITY.
4. SLEEVES SHALL BE SIZED TO PROVIDE MIN. 1" CLEARANCE BETWEEN PIPE OD & SLEEVE ID.

3 H601 TYPICAL PLUMBING SLEEVE CONDITIONS
NOT TO SCALE

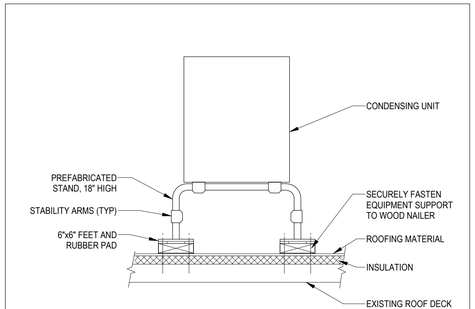


NOTE:
CLAMPS, ATTACHMENTS, ETC. ARE TO BE ATTACHED TO STRUCTURAL SUPPORT ONLY. DO NOT ATTACH, AFFIX OR SUPPORT FROM THE ROOF DECKING OR COMPONENTS.



NOTES:
1. SIZE HANGER RODS AND ANCHORS TO ADEQUATELY SUPPORT LOADS. REFER TO MANUFACTURERS RECOMMENDATIONS.
2. PROVIDE HANGERS SUITABLE FOR AWWA DUCTILE IRON PIPE FOR SANITARY AND STORM PIPING.
3. INSULATION SHEILDS TO BE GALVANIZED STEEL.

4 H601 TYPICAL PIPE HANGER AND SUPPORT DETAIL
NOT TO SCALE



NOTES:
1. CONDENSING UNIT SHALL BE BOLTED TO SUPPORTS TO WITHSTAND WIND AND SEISMIC LOADS.
2. FOR ROOF ATTACHMENT DETAILS REFER TO THE ARCHITECTURAL DRAWINGS.

5 H601 ROOF MOUNTED CONDENSER UNIT DETAIL
NOT TO SCALE

2

Project:
DCU CENTER ELEVATOR RENOVATIONS
CITY OF WORCESTER, MA

Weston & Sampson Engineers, Inc.
427 Main Street, Suite 400
Worcester, MA 01608
978.532.1900 800.SAMPSON
www.westonandsampson.com

Revisions:

No.	Date	Description
2	12/8/2025	new ACCU Mounted location on roof

COA:

Seal: COMMONWEALTH OF MASSACHUSETTS — ALAIN A. HADDAD — MECHANICAL — No. 48666 — REGISTERED PROFESSIONAL ENGINEER
Alain A. Haddad 2025.11.24 10:46:44-05'00'

Issued For:
BID DOCUMENTS

Scale: NTS

Key Plan:

Date:	NOVEMBER 2025
Drawn By:	YK
Reviewed By:	SEH
Approved By:	AAH
W&S Project No.:	ENG25-0990
W&S File No.:	XXX

Drawing Title:
HVAC DETAILS AND AUTOMATIC TEMPERATURE CONTROLS

Sheet Number:
H601

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