VA MAINE HEALTHCARE SYSTEM
ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM)
INFRASTRUCTURE UPGRADES - TOGUS, ME
PROJECT NO. 402-22-700
CONTRACT NO. 36C77623C0002
100% CONSTRUCTION DOCUMENTS (CD) SUBMITTAL

VA MAINE HEALTHCARE SYSTEM
1 VA CENTER
AUGUSTA, ME 04330

VOLUME 2

MECHANICAL

PROJECT LOCATION MAP

PROJECT KEY PLAN

ARCHITECTURAL ABBREVIATIONS

AB	ANCHOR BOLT
ABV	ABOVE
A/C	AIR CONDITIONING
ACT	ACOUSTICAL CEILING TILE
ADDL	ADDITIONAL
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
ARCH	ARCHITECT(URAL)
AWN	AWNING
B/	BOTTOM OF
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM OR BENCHMARK
BRG	BEARING
BTWN	BETWEEN
BUR	BUILT-UP ROOF
CAB	CABINET
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CONST	CONSTRUCTION
CG	CORNER GUARD
CPT	CARPET
CSMT	CASEMENT
CT	CERAMIC TILE
D	DEEP
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DIM(S)	DIMENSIONS
DISP	DISPENSER
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DTL	DETAIL
DWG	DRAWING
E	EAST
EA	EACH
EC	EXISTING COLUMN
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
EL	ELEVATION
ELEV	ELEVATOR
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION OR EXPOSED
EXT	EXTERIOR
FACP	FIRE ALARM CONTROL PANEL
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
F.F.	FINISH FLOOR
FIN	FINISH
FIXT	FIXTURE
FLR	FLOOR
FND	FOUNDATION
FP	FIRE PROTECTION
FR	FRAME
FRMG	FRAMING
FT	FEET/FOOT OR FIRE TREATED
FTG	FOOTING
FTNG	FOOTING
FRP	FIBERGLASS REINFORCED PANEL
FRT	FIRE RETARDANT TREATED
GA	GAUGE
GALV	GALVANIZED
GB	GYPSUM BOARD
GC	GENERAL CONTRACTOR
GL	GLASS, GLAZING
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
HC	HANDICAP
HDR	HEADER
HDW	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HTD	HEATED
HVAC	HEATING/VENTILATION & AIR CONDITIONING
ID	INSIDE DIAMETER
INFO	INFORMATION
ISO	ISOCYANURATE
INSUL	INSULATE / INSULATED / INSULATION
INT	INTERIOR
INV	INVERT
JT	JOINT
J-BOX	JUNCTION BOX
KIT	KITCHEN
L	LONG / LENGTH
LAM	LAMINATE(D)
LAV	LAVATORY
LF	LINEAR FEET
LT	LIGHT
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANIC(AL)
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTL	METAL
N	NORTH
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER OR OVERFLOW DRAIN
OPNG	OPENING
OPP	OPPOSITE
OSB	ORIENTED STRAND BOARD
OVHD	OVERHEAD
PL	PLATE
PLAM	PLASTIC LAMINATE
PLUMB	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT
POLY	POLYESTER OR POLYOLEFIN
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED OR POINT
PVMT	PAVEMENT
QT	QUARRY TILE
QTR	QUARTER
QTY	QUANTITY
R	RADIUS
RA	RETURN AIR
RB	RUBBER BASE
RD	ROOF DRAIN
RECY	RECYCLE(D)
REF	REFERENCE
REFRIG	REFRIGERATOR OR REFRIGERATION
REINF	REINFORCE
REQD	REQUIRED
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
S	SOUTH
SC	SOLID CORE
SCH	SCHEDULE
SCHED	SCHEDULED
SECT	SECTION
SF	SQUARE FEET
SFRM	SPRAY APPLIED FIRE RESISTIVE MATERIAL
SGL	SINGLE
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SPECS	SPECIFICATIONS
SOD	SLAB ON DECK
SOG	SLAB ON GRADE
SOH	SAME OPPOSITE HAND
SS	STAINLESS STEEL
ST	STONE TILE
STD	STANDARD
STND	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
TEMP	TEMPERED
THK	THICK
THRESH	THRESHOLD
T.O.	TOP OF
TOBM	TOP OF BEAM
T.O.BM.	TOP OF BEAM
T.O.P.	TOP OF PLATE
T.O.S.	TOP OF STEEL
T/	TOP OF
T&G	TONGUE AND GROOVE
TEL	TELEPHONE
THK	THICK
TRANS	TRANSOM
TV	TELEVISION
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VP	VENEER PLASTER
VR	VAPOR RETARDER
VT	VINYL TILE
VWC	VINYL WALL COVERING
W	WIDE OR WEST
W/	WITH
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WG	WALL GUARD
WH	WATER HEATER
W/IN	WITHIN
W/O	WITHOUT
WP	WATERPROOF
WR	WATER RESISTANT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
#	NUMBER OR POUND
@	AT

EXPLANATION OF SYMBOLS

TYPICAL SHEET VIEW NUMBERING LAYOUTS

ARCH E1 (30"x42")
NUMBERING STARTS IN BOTTOM LEFT CORNER, MOVING UPWARDS, SKIPPING NONE

GENERAL PROJECT NOTES

1. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE DRAWINGS AND SPECIFICATION AND RELATED CONTRACT DOCUMENTS, VISIT SITE OF WORK, AND FULLY INFORM THEMSELVES AS ALL EXISTING CONDITIONS, FACILITIES, RESTRICTIONS AND OTHER MATTERS WHICH CAN AFFECT THE WORK, IN TIMELINE, QUALITY OR COST THEREOF; FAILURE OR OMISSION OF ANY CONTRACTOR TO VISIT THE SITE AND ACQUAINT THEMSELVES WITH THE EXISTING CONDITIONS, SHALL IN NO WAY RELIEVE THEM FROM ANY OBLIGATION WITH RESPECT TO THEIR CONTRACT AND NO EXTRA TIME OR COMPENSATION WILL BE ALLOWED BY REASON OF ANY THING OR MATTER CONCERNING WHICH THE CONTRACTOR COULD HAVE FULLY INFORMED THEMSELVES PRIOR TO BIDDING. GENERAL CONTRACTOR SHALL COORDINATE ALL ASPECTS OF THE BUILDING CONSTRUCTION.
2. THE CONTRACTOR SHALL NOT CONSIDER CONSTRUCTION NOTES TO BE ALL-INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT AND ASSESS EACH AREA AND TO FULFILL THE INTENT OF THE CONTRACT DOCUMENTS. CONTRACTOR SHALL COORDINATE ARCHITECTURAL CONSTRUCTION DRAWING AND NOTES WITH CIVIL, STRUCTURAL AND MECHANICAL, ELECTRICAL & PLUMBING NOTES AND DRAWINGS.
3. THE DRAWINGS SHALL BE WORKED IN CONJUNCTION WITH THE TECHNICAL SPECIFICATIONS AND CONDITIONS OF THE PROJECT INCLUDED IN THE PROJECT MANUAL WHICH FORM A PART OF THE CONTRACT DOCUMENTS AND CONTAINS ADDITIONAL INFORMATION REQUIRED TO CONSTRUCT THE WORK OF THIS CONTRACT. IN THE EVENT OF A CONFLICT BETWEEN THE DRAWINGS AND THE SPECIFICATION NOTIFY THE COR FOR CLARIFICATION SEVEN DAYS BEFORE BEGINNING WORK ON THE AFFECTED ACTIVITIES.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO THE START OF THE WORK. NOTIFY THE COR OF ANY SIGNIFICANT CHANGES IN DIMENSIONS OR CONDITIONS.
5. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, TOOLS, EQUIPMENT AND NECESSARY FACILITIES, AND PERFORM ALL LABOR AND SERVICES OF EVERY DESCRIPTION AS REQUIRED TO COMPLETE THE SCOPE OF WORK DEFINED ON THE DRAWINGS AND SPECIFICATIONS WITHIN THE AGREED TIMELINES.
6. THE CONTRACTOR SHALL ARRANGE FOR AND OBTAIN ALL VA ISSUED PERMITS (HOTWORK, ICRA, WEEKENDS, HOLIDAYS, SHUTDOWN, ETC), CERTIFICATES, INSPECTIONS, DEPARTMENT APPROVAL, ETC. FOR WORK PERFORMED UNDER THIS CONTRACT. PROVIDE COPIES OF ALL REQUIRED PERMITS, CERTIFICATES, INSPECTIONS AND AGENCY APPROVALS TO THE COR PRIOR TO THE COMMENCEMENT OF THE SCOPE.
7. FABRICATE AND INSTALL ALL WORK IN STRICT ACCORDANCE WITH THE SPECIFICATIONS, ALL APPLICABLE STATE AND LOCAL CODES, AND THE GENERAL AND SUPPLEMENTARY CONDITIONS OF THE CONTRACT.
8. U.L. ASSEMBLIES DESCRIBED ARE FOR REFERENCE ONLY. THE GENERAL CONTRACTOR SHALL COORDINATE AND VERIFY THE INSTALLATION OF THE DESCRIBED SYSTEM(S) .
9. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR THE PROPER PERFORMANCE OF THEIR WORK, COORDINATING WITH OTHER TRADES, MEANS AND METHODS OF CONSTRUCTION, SAFETY AND SECURITY ON SITE.
10. CUTTING AND PATCHING SHALL BE PERFORMED BY EACH TRADE AS NECESSARY FOR THE PERFORMANCE AND INSTALLATION OF THE WORK. CUTTING AND PATCHING SHALL BE PERFORMED IN A WORKMANLIKE MANNER CONSISTENT WITH INDUSTRY STANDARDS FOR FINISHES AND SUBSTRATES AFFECTED.
11. THE CONTRACTOR SHALL PROTECT THE FACILITY FROM WEATHER AND MAINTAIN SECURITY DURING ALL CONSTRUCTION WORK.
12. PROTECT EXISTING PROPERTY DURING CONSTRUCTION. REPAIR OR REPLACE, AT THE DISCRETION AND TO THE SATISFACTION OF THE COR, WITHOUT ADDITIONAL CHARGE TO THE OWNER, ANY EXISTING WORK DAMAGED DURING THE COURSE OF CONSTRUCTION.
13. THE WORK SHALL BE COORDINATED IN GOOD FAITH WITH THE COR AND ALL GOVERNMENT EMPLOYEES 14 DAYS IN ADVANCE OF BEGINNING EACH CONSTRUCTION ACTIVITY.
14. UNLESS ITEMS OF MATERIAL, EQUIPMENT OR WORK ARE SPECIFICALLY NOTED TO BE PROVIDED OR FURNISHED BY OTHERS, THEY SHALL BE PROVIDED UNDER THIS CONTRACT BY THE CONTRACTOR.
15. ALL WORK SHALL BE PERFORMED BY SKILLED WORKERS IN A WORKMANLIKE AND PROFESSIONAL MANNER CONSISTENT WITH INDUSTRY STANDARDS AND OR AS DIRECTED BY THE COR.
16. THE CONTRACTOR SHALL LEAVE THE SITE AND ALL BUILDINGS AND STRUCTURES IN PROPER WORKING ORDER AND SHALL, WITHOUT ADDITIONAL CHARGE, REPLACE ANY WORK, MATERIALS, OR EQUIPMENT FURNISHED AND INSTALLED UNDER THE CONTRACT WHICH DEVELOPS DEFECTS, DUE TO A POSSIBLE WORKMANSHIP ISSUE, WITHIN ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER. THIS IS NOT TO LIMIT OR EXCLUDE ANY OTHER WARRANTY OR WARRANTY PERIOD OTHERWISE DESCRIBED.
17. CONTRACTOR SHALL SCHEDULE, COORDINATE, AND FACILITATE ALL POWER, WATER, OR TELECOMMUNICATION OUTAGES AND SHUTDOWNS. ALL OUTAGES AND SHUTDOWNS MUST BE SCHEDULED WITH THE COR ONE (1) WEEK PRIOR TO OUTAGE.
18. FIELD VERIFY ALL EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TO REGULATED MATERIALS ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, EQUIPMENT, AND ALL OTHER EXISTING SYSTEMS. MAKE NECESSARY PROVISIONS TO MAINTAIN THE INTEGRITY OF SAID SYSTEMS PRIOR TO THE COMMENCEMENT OF DEMOLITION, IF ANY. SEE MECHANICAL, ELECTRICAL, TELECOMMUNICATIONS, AND ARCHITECTURAL DRAWINGS FOR ANY SYSTEM OR PORTIONS THEREOF TO BE REMOVED, RELOCATED, REVISED OR ABANDONED.
19. ANY CONSTRUCTION INSTALLED IN CONFLICT WITH THE CONTRACT DOCUMENTS SHALL BE CORRECTED AT NO EXPENSE TO THE OWNER.
20. ALL REQUIRED EXITS FROM OCCUPIED PORTIONS OF THE BUILDING MUST BE MAINTAINED AT ALL TIMES. ESTABLISH PROCEDURES TO MINIMIZE CIRCULATION OF CONSTRUCTION PERSONNEL AND MATERIALS THROUGH OCCUPIED PORTIONS OF THE BUILDING. KEEP ALL AREAS ADJACENT TO THE WORK AREA CLEAN.
21. PRIOR TO DELIVERY OF MATERIALS TO THE CONSTRUCTION ZONE AND REMOVAL OF WASTE FROM THE SITE, VERIFY WITH THE COR FOR AN ACCEPTABLE ACCESS ROUTE AND TIME. UNDER NO CIRCUMSTANCES SHALL ANY AREA OUTSIDE THE CONSTRUCTION ZONE BE USED WITHOUT PRIOR WRITTEN APPROVAL FROM THE COR. ALL BUILDING INTERIOR STAGING AREAS SHALL BE PROTECTED WITH FIRE RESISTANT PLYWOOD ENCLOSURES. ALL TRASH SHALL BE REMOVED FROM THE BUILDING DAILY. CONSTRUCTION MATERIALS SHALL NOT BE STORED IN CORRIDORS OR ANY OTHER UNAUTHORIZED LOCATION AT ANY TIME.
22. FIELD VERIFY ALL EXISTING DIMENSIONS, SERVICES, AND POINTS OF CONNECTION PRIOR TO START OF WORK.
23. THE DESIGN ADEQUACY, SAFETY, AND ERECTION OF BRACING, SHORING, SCAFFOLDING, AND TEMPORARY SUPPORTS AND RESTRAINS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
24. NOTIFY THE FACILITY OF TIMES WHEN THE CONSTRUCTION NOISE WILL EXCEED 80 DECIBELS . RESCHEDULE SUCH WORK IF SO REQUIRED BY THE FACILITY.
25. NOTIFY THE COR OF ANY DISCREPANCIES DISCOVERED IN THE FIELD THAT REQUIRE CORRECTIVE ACTION PRIOR TO TAKING ANY ACTION.
26. FOR EXISTING FLOORS, CEILINGS, PARTITIONS, AND SERVICES TO REMAIN, PROTECT ALL FINISHES AND MATERIALS, AND REPAIR OR REPLACE ALL ITEMS THAT ARE DAMAGED OR SOILED DURING THE COURSE OF CONSTRUCTION. ALL FINISHES AND MATERIALS SHALL BE PROPERLY INTEGRATED TO CONSTITUTE A UNIFORM APPEARANCE AND SEAMLESS TRANSITION.
27. ALL ITEMS TO BE REMOVED AND REPLACED SHALL BE HANDLED WITH PROPER CARE AND STORED IN SUCH A MANNER AS TO PREVENT DAMAGE; WHEN DAMAGED, REPLACE AT NO EXPENSE TO THE OWNER.
28. ALL EQUIPMENT AND PIPING SHALL BE SUPPORTED OR BRACED IN ACCORDANCE WITH PROVISIONS OF THE TECHNICAL SPECIFICATIONS.
29. ALL DRAWINGS, THOUGH NOTED TO SCALE, ARE FOR ILLUSTRATION ONLY. DO NOT SCALE THE DRAWINGS. FIELD VERIFY ALL DIMENSIONS. ITEMS WRONGLY LOCATED BY DRAWINGS SCALING SHALL BE CORRECTED.
30. SIGNAGE CONSTRUCTION, FONT AND SIZE SHALL BE CONSISTENT WITH THE FACILITY'S EXISTING SIGNAGE SYSTEMS. REFER TO SPECIFICATIONS FOR CODE REQUIRED SIGNAGE. PROVIDE ADDITIONAL SIGNAGE AS MAY BE REQUIRED BY REQUEST OF THE FIRE MARSHAL AND/OR BUILDING CODE OFFICIAL OR COR.
31. EXERCISE CARE DURING CONSTRUCTION TO MINIMIZE DISRUPTION OF THE MEDICAL CENTER ROUTINE, COORDINATE SEQUENCE OF WORK AND PHASING WITH THE COR TO MINIMIZE DISRUPTION OF THE MEDICAL CENTER. MANY OF THE WORK ITEMS REQUIRE THE WORK TO BE PERFORMED ONLY AT NIGHT, WEEKENDS, OR HOLIDAYS WITH PRIOR APPROVAL OF THE COR AT NO ADDITIONAL COST TO THE GOVERNMENT.
32. PRIOR TO DRILLING OR CORING EXISTING CONCRETE, CONTRACTOR SHALL LOCATE EXISTING REINFORCEMENT TO MAINTAIN ADEQUATE CLEARANCES FROM AND AVOID DAMAGE TO EXISTING REINFORCEMENT. CONTRACTOR SHALL USE NON-DESTRUCTIVE TESTING (NDT) TO LOCATE REINFORCEMENT. WHENEVER FEASIBLE, CONTRACTOR SHALL USE GROUND PENETRATING RADAR (GPR) OR MEANS OTHER THAN X-RAY. WHERE X-RAY IS REQUIRED, CONTRACTOR SHALL PROVIDE WRITTEN REQUEST AT LEAST THREE (3) WEEKS PRIOR TO EVENT: WORK MAY BE REQUIRED TO BE PERFORMED OUTSIDE NORMAL WORK HOURS AND SHALL BE DOCUMENTED ON THE THREE (3) WEEK LOOK-AHEAD SCHEDULE.
33. PROTECT EXISTING FIRE SUPPRESSION SYSTEMS DURING CONSTRUCTION.
34. IN THE EVENT THE CONTRACTOR DISCOVERS HAZARDOUS MATERIALS WHICH ARE NOT AVOIDABLE BY REROUTING THE WORK AND HAVE NOT BEEN DESCRIBED IN THE CONTRACT, THE CONTRACTOR IS TO NOTIFY THE COR AND THE A/E FOR DIFFERING SITE CONDITION ACKNOWLEDGEMENT. REMEDIATION WOULD BE COMPENSATED BY ADDITIONAL MONEY AND ADDITIONAL TIME FOR CRITICAL PATH ACTIVITIES.
35. CONTRACTOR SHALL PROVIDE STAFF THAT WILL UNDERGO TRAINING AND CERTIFICATION TO ALLOW UN-ESCORTED ACCESS TO IT CLOSETS. THE CONTRACTOR SHALL CERTIFY SUFFICIENT NUMBER OF STAFF TO ACCOMMODATE PROPOSED SCHEDULE WITHOUT RELYING ON VA STAFF TO ACCOMPANY AS ESCORTS. THIS WILL REQUIRE PIV BADGING REQUIREMENT INCLUDING BACKGROUND INVESTIGATIONS. SEE "CONTRACTOR BACKGROUND INVESTIGATIONS REQUEST" FORM. COORDINATE WITH CO/CS REGARDING SUBMITTING THE FORM.
36. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND COORDINATING ANY REQUIRED THIRD PARTY INSPECTORS.

PROJECT DESCRIPTION

THE SCOPE OF THIS PROJECT INCLUDES BUT NOT LIMITED TO THE FOLLOWING INFRASTRUCTURE IMPROVEMENTS: ELECTRICAL (ELECTRICAL PANEL UPGRADE, POWER (NORMAL, EMERGENCY)), BONDING, UPS, BUILDING MANAGEMENT SYSTEM INTERFACES, ASSESS FOR NEW AND UPGRADES TO EXISTING HVAC, RECONFIGURATION, EXPANSION AND RENOVATION OF EXISTING SPACE (DEMO, NEW CONSTRUCTION, FINISHES), COMMUNICATION INFRASTRUCTURE (NEW DATA OUTLETS, PATCH PANELS, UPGRADE TO CAT 6A CABLE) IN BUILDINGS AS NECESSARY, PHYSICAL SECURITY UPGRADES, ASSESS AND UPGRADE FIBER INFRASTRUCTURE BACKBONE CAMPUS WIDE WITHIN BUILDINGS AND BETWEEN BUILDINGS, HAZARDOUS MATERIAL ABATEMENT. PROJECT BUILDING LOCATIONS INCLUDE: BUILDINGS 141, SADIE, 154A, MADISON, 115, 169, 154, 170, 171, 16, 20 AND SITE.

BASIC DEFINITIONS

"OWNER": THE OWNER IS UNITED STATES GOVERNMENT - DEPT. OF VETERANS AFFAIRS AND IS REFERRED TO THROUGHOUT THE CONTRACT DOCUMENTS AS IF SINGULAR IN NUMBER. THE TERM "OWNER" MEANS THE OWNER OR THE OWNER'S CONTRACTING OFFICER'S AUTHORIZED REPRESENTATIVE.

"CONTRACTING OFFICER" OR "C.O.": THE OWNER'S AUTHORIZED REPRESENTATIVE RESPONSIBLE FOR ADMINISTRATING THE CONTRACT BETWEEN THE GENERAL CONTRACTOR AND OWNER. THE TERM INCLUDES CERTAIN AUTHORIZED REPRESENTATIVES OF THE CONTRACTING OFFICER ACTING WITHIN THE LIMITS OF THEIR AUTHORITY AS DELEGATED BY THE CONTRACTING OFFICER.

"CONTRACTING OFFICER'S REPRESENTATIVE", (COR) : MEANS THE CONTRACTING OFFICER'S AUTHORIZED REPRESENTATIVE, IN PART, RESPONSIBLE FOR MONITORING THE CONTRACTOR'S (PLURAL) PERFORMANCE.

"WORK": THE TERM "WORK" MEANS THE CONSTRUCTION AND SERVICES REQUIRED BY THE CONTRACT DOCUMENTS, WHETHER COMPLETED OR PARTIALLY COMPLETED, AND INCLUDES ALL OTHER LABOR, MATERIALS, EQUIPMENT AND SERVICES PROVIDED BY THE CONTRACTOR TO FULFILL THE CONTRACTOR'S OBLIGATIONS. THE WORK MAY CONSTITUTE THE WHOLE OR A PART OF THE PROJECT.

"PROJECT": THE TOTAL CONSTRUCTION OF WHICH THE WORK PERFORMED UNDER THE CONTRACT DOCUMENTS

"DRAWINGS", "SHOP DRAWINGS" OR "PLANS" : THE GRAPHIC AND PICTORIAL PORTIONS OF CONTRACT DOCUMENTS, WHENEVER LOCATED AND WHENEVER ISSUED, SHOWING DESIGN, LOCATION AND DIMENSIONS OF THE WORK, GENERALLY INCLUDING PLANS, ELEVATIONS, SECTIONS, DETAILS, SCHEDULES AND DIAGRAMS.

"PROJECT SUPERVISOR" OR "SUPERVISOR" : MEANS THE ON-SITE SUPERVISION REPRESENTATIVE OF THE PROJECT.

"ARCHITECT" OR "ENGINEER" : MEANS THE VA'S ARCHITECTS, ENGINEERS AND OTHER DESIGN AND ENGINEERS PROFESSIONALS FOR THIS PROJECT, AND REFERRED THROUGHOUT THE DRAWINGS AS IF SINGULAR IN NUMBER.

"TRADE CONTRACTOR" OR "CONTRACTORS" : MEANS THE ENTITY UNDER CONTRACT AGREEMENT WITH THE GENERAL CONTRACTOR TO PROVIDE THE SPECIFIED GENERAL AND OR SPECIALTY WORK IN CONNECTION WITH THIS PROJECT.

"FURNISH" OR "FURNISHED" : MEANS PROVIDING ALL MATERIALS, SHOP DRAWINGS, TRANSPORTATION, INSURANCE, FIELD MEASUREMENTS, EXPEDITING, SHIPPING, HANDLING, PACKAGING, STORAGE, TOUCH-UP MATERIALS, OWNER'S MANUALS, TRAINING AND ANY OTHER ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION.

"INSTALL" OR "INSTALLED" : MEANS COMPLETING ALL WORK AND COSTS ASSOCIATED WITH UNLOADING, UNPACKING, HOISTING, STORAGE, HANGERS, SUPPORTS,SLEEVES, SCAFFOLDING, COORDINATION, LAYOUT, SHOP DRAWINGS, EXCAVATION, BACKFILL, DEWATERING, INSTALLATION, CUTTING AND PATCHING, FIRESTOPPING, CLEAN-UP, INSPECTION, DOCUMENTATION, PROTECTION OF SCOPE OF WORK AND ALL ACCESSORIES, SERVICE AND FACILITIES REQUIRED FOR A COMPLETE INSTALLATION.

"PROVIDE" OR "PROVIDED" : MEANS TO FURNISH AND INSTALL AND SHALL INCLUDE, WITHOUT LIMITATION, ALL LABOR, MATERIALS, EQUIPMENTS, TRANSPORTATION SERVICES, AND OTHER ITEMS REQUIRED TO COMPLETE THE REFERENCED TASK.

"BY OWNER"; "BY VAMC" OR "BY VA" : MEANS ITEMS WILL BE ORDERED, PAID FOR, SHIPPED TO THE JOB SITE AND INSTALLED BY THE OWNER.

"NOT IN CONTRACT" OR "N.I.C." : MEANS MATERIALS OR EQUIPMENT NOT IN THE CONTRACT, BUT MAY REQUIRE PROVISIONS IN THE CONSTRUCTION FOR FUTURE INSTALLATION AS SPECIFIED OR SHOWN. OTHER DEFINITIONS OF WORDS AND TERMS USED IN THE DRAWINGS AND SPECIFICATIONS CAN BE FOUND IN THE LEGENDS AND SYMBOLS DRAWINGS FOR EACH DISCIPLINE AND IN DIVISION 0 AND 1 OF THE PROJECT MANUAL.

TEMPORARY FIRE & SMOKE PROTECTION

IF FLOOR OR RATED WALL PENETRATIONS CANNOT BE FIRESTOPPED AT THE END OF THE WORK SHIFT DUE TO ANY INCOMPLETE WORK, PROVIDE TEMPORARY FIRESTOPPING COMPOSED OF MINERAL WOOL SATISFYING FIRE RATING REQUIREMENTS AT PENETRATIONS

IF MULTIPLE CEILING TILES MUST BE REMOVED AND CANNOT BE REPLACED AT THE END OF THE WORK SHIFT, A 1-HOUR FIRE BARRIER WILL NEED TO BE CONSTRUCTED. IF CONTRACTOR IDENTIFIES UPCOMING WORK RESULTING IN A LONG-TERM CEILING REMOVAL, NOTIFY THE COR IMMEDIATELY WHETHER A RATED ENCLOSURE MUST BE CONSTRUCTION OR TEMPORARY UPRIGHT SPRINKLER HEADS INSTALLED. THIS WORK IS TO BE PART OF THE SUBMITTED SCOPE OF WORK.

IF FLOOR OR RATED WALL PENETRATIONS CANNOT BE FIRESTOPPED AT THE END OF THE WORK SHIFT DUE TO THE NEED TO PULL ADDITIONAL CABLES, TEMPORARY FIRESTOPPING COMPOSED OF MINERAL WOOL SHOULD BE INSTALLED IN THE PENETRATION TO PROVIDE PROTECTION AGAINST FIRE/SMOKE SPREAD THROUGH THE UNSEALED PENETRATION.

PROJECT TEAM

OWNER
TOGUS VA MEDICAL CENTER
1 VA CENTER
AUGUSTA, ME 04330

ENGINEER, PROJECT LEAD
GDM - COLUMBIA GORGE DISTRICT OFFICE
1000 W STEUBEN ST, UNIT THREE
BINGEN, WA 98605
541.436.4723

ARCHITECT
A&E ARCHITECTS
608 NORTH 29th STREET
BILLINGS, MT 59101
406.248.2633

MECHANICAL ENGINEER
GDM - SEATTLE DISTRICT OFFICE
1584 MCNEIL STREET, SUITE 200
DUPONT, WA 98327
360.318.7095

TELECOMMUNICATIONS
GDM - SEATTLE DISTRICT OFFICE
1584 MCNEIL STREET, SUITE 200
DUPONT, WA 98327
360.318.7095

ELECTRICAL ENGINEER
GDM - SEATTLE DISTRICT OFFICE
1584 MCNEIL STREET, SUITE 200
DUPONT, WA 98327
360.318.7095

STRUCTURAL
KREMER, GHELEN, AND ASSOCIATES
400 COLUMBIA STREET, SUITE 240
VANCOUVER, WA 98660-3413
503.289.2661

CIVIL ENGINEER
GDM - COLUMBIA GORGE DISTRICT OFFICE
1000 W STEUBEN ST, UNIT THREE
BINGEN, WA 98605
541.436.4723

FIRE PROTECTION ENGINEER
GDM - COLUMBIA GORGE DISTRICT OFFICE
1000 W STEUBEN ST, UNIT THREE
BINGEN, WA 98605
541.436.4723

INDUSTRIAL HYGIENE
AMERICAN ENGINEERING TESTING
550 CLEVELAND AVENUE NORTH
ST. PAUL, MN 55114
651.999.1387

Revisions:	Date:

CONSULTANT

ARCHITECT:
A&E DESIGN
129 NORTH 29th STREET, SUITE 100
BILLINGS, MT 59101
PH: 406.248.2633
PAUL SIDERIUS, AIA

ARCHITECT/ENGINEER OF RECORD

A/E:
GDM-AE INC
1304 NE 134TH STREET, SUITE A
VANCOUVER, WA 98685
PH: 541-436-4723

STAMP

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: COVER SHEET - VOLUME 2

APPROVED:

PHASE: 100% CONSTRUCTION DOCUMENTS

FLS: FULLY SPRINKLERED

PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME

LOCATION: TOGUS VA MEDICAL CENTER

ISSUE DATE: November 10, 2025 | CHECKED BY: PSS | DRAWN BY: PSS

PROJECT NUMBER: 402-22-700

BUILDING NUMBER: GEN INFO

DRAWING NUMBER: 00-GI-000.V2

VA FORM 08 - 6231
11/10/2025 12:38:22 PM
Autodesk Docs://22117_VA Medical Center - Togus ME/22117 _Gen Info_r25.rvt

REISSUED 02-18-2026

INDEX OF DRAWINGS

VOLUME 1

GENERAL INFORMATION

SHEET NO.	SHEET NAME
00-GI-000.V1	COVER SHEET - VOLUME 1
00-GI-001.V1	INDEX OF DRAWINGS - VOLUME 1
00-GI-002	PROJECT GENERAL NOTES AND CODE SUMMARY
00-GI-003	ICRA CLASSIFICATION PROCESS MATERIAL ID LIST
00-GI-004	PROJECT LOCATION MAPS AND CAMPUS PLAN
00-GI-005	PROJECT ASSEMBLY TYPES
00-GI-006	UL ASSEMBLIES
00-GI-007	UL ASSEMBLIES
00-GI-008	UL ASSEMBLIES
00-GI-009	DOOR SCHEDULE AND TYPICAL DOOR DETAILS
00-GI-010	CEILING DETAILS
00-GI-011	PARTITION DETAILS
00-GI-012	ROOF AND TYPICAL DETAILS
00-GI-013	INTERIOR FINISH MATERIALS

CIVIL

SHEET NO.	SHEET NAME
00-CG-001	GENERAL NOTES
00-CS-001	OVERALL EXISTING CONDITIONS SITE PLAN
00-CS-002	OVERALL A-CIRCUIT FIBER OPTIC SITE PLAN
00-CS-003	OVERALL B-CIRCUIT FIBER OPTIC SITE PLAN
00-CS-005	OVERALL CIVIL - ELECTRICAL SITE PLAN
00-CU-101	A-CIRCUIT FIBER OPTICS SITE PLAN
00-CU-102	A-CIRCUIT FIBER OPTICS SITE PLAN
00-CU-103	A-CIRCUIT FIBER OPTICS SITE PLAN
00-CU-104	A-CIRCUIT FIBER OPTICS SITE PLAN
00-CU-105	A-CIRCUIT FIBER OPTICS SITE PLAN
00-CU-106	A-CIRCUIT FIBER OPTICS SITE PLAN
00-CU-107	A-CIRCUIT FIBER OPTICS SITE PLAN
00-CU-108	A-CIRCUIT FIBER OPTICS SITE PLAN
00-CU-109	A-CIRCUIT FIBER OPTICS SITE PLAN
00-CJ-101	A-CIRCUIT FIBER OPTICS PROFILES
00-CJ-102	A-CIRCUIT FIBER OPTICS PROFILES
00-CJ-103	A-CIRCUIT FIBER OPTICS PROFILES
00-CJ-104	A-CIRCUIT FIBER OPTICS PROFILES
00-CJ-105	A-CIRCUIT FIBER OPTICS PROFILES
00-CJ-106	A-CIRCUIT FIBER OPTICS PROFILES
00-CJ-107	A-CIRCUIT FIBER OPTICS PROFILES
00-CJ-108	A-CIRCUIT FIBER OPTICS PROFILES
00-CU-201	B-CIRCUIT FIBER OPTICS SITE PLAN
00-CU-202	B-CIRCUIT FIBER OPTICS SITE PLAN
00-CU-203	B-CIRCUIT FIBER OPTICS SITE PLAN
00-CU-204	B-CIRCUIT FIBER OPTICS SITE PLAN
00-CU-205	B-CIRCUIT FIBER OPTICS SITE PLAN
00-CU-206	B-CIRCUIT FIBER OPTICS SITE PLAN
00-CU-207	B-CIRCUIT FIBER OPTICS SITE PLAN
00-CU-208	B-CIRCUIT FIBER OPTICS SITE PLAN
00-CJ-201	B-CIRCUIT FIBER OPTICS PROFILES
00-CJ-202	B-CIRCUIT FIBER OPTICS PROFILES
00-CJ-203	B-CIRCUIT FIBER OPTICS PROFILES
00-CJ-204	B-CIRCUIT FIBER OPTICS PROFILES
00-CJ-205	B-CIRCUIT FIBER OPTICS PROFILES
00-CJ-206	B-CIRCUIT FIBER OPTICS PROFILES
00-CJ-207	B-CIRCUIT FIBER OPTICS PROFILES
00-CJ-A101	CIVIL - DETAILS
00-CJ-A102	CIVIL - DETAILS
00-CE-100	EROSION CONTROL - NOTED AND DETAILS
00-CE-101	EROSION CONTROL - DETAILS
00-CE-102	MCR EROSION CONTROL - PLAN
00-CS-004	PROPOSED MCR PLAN
00-CG-100	PROPOSED MCR GRADING PLAN
00-CG-101	PROPOSED MCR MSE WALL PLAN
00-CU-301	PROPOSED MCR WATER AND SEWER PLAN
00-CU-302	PROPOSED SEWER PROFILE
00-CU-303	PROPOSED MCR DRAINAGE PLAN
00-CU-304	PROPOSED DRAINAGE PROFILES
00-CJ-A201	PAVING AND DRAINAGE - STANDARD DETAILS
00-CJ-A202	PAVING AND DRAINAGE - STANDARD DETAILS
00-CJ-A203	PAVING AND DRAINAGE - STANDARD DETAILS
00-CJ-A204	PAVING AND DRAINAGE - STANDARD DETAILS
00-CJ-A205	SANITARY SEWER COLLECTION SYSTEM - STANDARD DETAILS
00-CJ-A206	WATER DISTRIBUTION SYSTEM - STANDARD DETAILS
00-CU-401	CIVIL ELECTRICAL SITE PLAN
00-CU-402	CIVIL ELECTRICAL SITE PLAN
00-CJ-401	CIVIL ELECTRICAL - PROFILES
00-CJ-402	CIVIL ELECTRICAL - PROFILES

STRUCTURAL

SHEET NO.	SHEET NAME
MCR-SN-100	BUILDING MCR STRUCTURAL NOTES
MCR-SN-101	BUILDING MCR STRUCTURAL NOTES
MCR-SF-100	BUILDING MCR FOUNDATION PLAN
MCR-SF-101	BUILDING MCR ROOF FRAMING PLAN
MCR-SD-100	BUILDING MCR FOUNDATION DETAILS
MCR-SD-101	BUILDING MCR FOUNDATION DETAILS
MCR-SD-102	BUILDING MCR RETAINING WALL PLAN & ELEVATION
MCR-SD-103	BUILDING MCR RETAINING WALL DETAILS
MCR-SD-104	BUILDING MCR RETAINING WALL DETAILS
MCR-SD-200	BUILDING MCR ROOF FRAMING DETAILS
MCR-SD-201	BUILDING MCR ROOF FRAMING DETAILS

ARCHITECTURAL

SHEET NO.	SHEET NAME
69-AE-101	OVERALL PLAN
69-AE-201	PLANS
200-AD-200	GROUND LEVEL DEMOLITION PLAN
200-AD-201	LEVEL 1 DEMOLITION PLAN
200-AD-202	LEVEL 2 DEMOLITION PLAN
200-AD-203	LEVEL 3 DEMOLITION PLAN
200-AD-204	LEVEL 4 DEMOLITION PLAN
200-AD-205	LEVELS 5, 6, 7 DEMOLITION FLOOR PLANS
200-AE-101	OVERALL FLOOR PLANS
200-AE-102	OVERALL FLOOR PLANS
200-AE-103	OVERALL FLOOR PLANS
200-AE-104	OVERALL FLOOR PLANS
200-AE-200	GROUND FLOOR PLAN
200-AE-201	LEVEL 1 FLOOR PLAN
200-AE-202	LEVEL 2 FLOOR PLAN
200-AE-203	LEVEL 3 FLOOR PLAN
200-AE-204	LEVEL 4 FLOOR PLAN
200-AE-205	LEVELS 5, 6, 7 FLOOR PLANS
200-AE-206	ROOF PLAN
200-AE-300	GROUND LEVEL TR ENLARGED PLANS AND ELEVATIONS
200-AE-301	LEVEL 1 TR ENLARGED PLANS AND ELEVATIONS
200-AE-302	LEVEL 2 TR ENLARGED PLANS AND ELEVATIONS
200-AE-303	LEVEL 3 TR ENLARGED PLANS AND ELEVATIONS
200-AE-304	LEVEL 4, LEVEL 5 TR ENLARGED PLANS AND ELEVATIONS
200-AE-305	LEVEL 6 TR ENLARGED PLANS AND ELEVATIONS
202-AD-201	DEMOLITION PLANS
202-AE-101	OVERALL PLANS
202-AE-201	PLANS
204-AD-201	DEMOLITION PLANS
204-AE-101	OVERALL FLOOR PLANS
204-AE-201	FLOOR PLANS
204-AE-301	LEVEL 2 TR ENLARGED PLANS AND ELEVATIONS
205-AD-201	LEVEL 1 DEMOLITION PLAN
205-AE-101	OVERALL FLOOR PLAN
205-AE-201	FLOOR PLANS
205-AE-301	LEVEL 1 TR ENLARGED PLANS AND ELEVATIONS
205-AE-302	LEVELS 2 AND 3 TR ENLARGED PLANS AND ELEVATIONS
206-AD-201	DEMOLITION PLANS
206-AE-101	OVERALL FLOOR PLANS
206-AE-201	FLOOR PLANS
206-AE-301	LEVEL 1 TR ENLARGED PLANS AND ELEVATIONS
206-AE-302	LEVEL 2 AND 3 TR ENLARGED PLANS AND ELEVATIONS
207-AD-201	DEMOLITION PLANS
207-AE-101	OVERALL FLOOR PLANS
207-AE-201	FLOOR PLANS
207-AE-301	ENLARGED LEVEL 1 AND 2 TR PLANS
207-AE-302	ENLARGED LEVEL 3 TR PLANS
208-AE-101	OVERALL PLAN
208-AE-201	PLANS AND ELEVATIONS
209-AE-101	OVERALL PLANS
209-AE-201	FLOOR PLANS
209-AE-301	LEVEL 1 AND 2 TR ENLARGED PLANS AND ELEVATIONS
210-AD-201	DEMOLITION PLANS
210-AE-101	OVERALL PLAN
210-AE-201	PLANS AND ELEVATIONS
211-AE-101	OVERALL PLAN
211-AE-201	PLANS AND ELEVATIONS
212-AE-101	OVERALL PLAN
212-AE-201	LEVEL 1 FLOOR PLANS AND ELEVATIONS
221-AE-101	OVERALL PLAN
221-AE-201	LEVEL 1 PLANS AND ELEVATIONS
232-AD-201	LEVEL 1 DEMOLITION PLAN
232-AE-101	OVERALL PLAN
232-AE-201	FLOOR PLANS AND ELEVATIONS
238-AD-201	LEVEL 1 DEMOLITION PLAN
238-AE-101	OVERALL PLAN
238-AE-201	FLOOR PLANS AND ELEVATIONS
240-AD-201	DEMOLITION PLANS
240-AE-101	OVERALL FLOOR PLANS
240-AE-201	FLOOR PLANS
240-AE-301	LEVEL 1 AND 3 TR ENLARGED PLANS AND ELEVATIONS
255-AE-101	OVERALL PLAN
255-AE-201	PLANS AND ELEVATIONS

ARCHITECTURAL *(Continued)*

SHEET NO.	SHEET NAME
MCR-AE-101	LEVEL 1 CODE PLAN
MCR-AE-200	SLAB FLOOR PLAN
MCR-AE-201	LEVEL 1 DIMENSION FLOOR PLAN
MCR-AE-202	LEVEL 1 FLOOR PLAN
MCR-AE-203	UTILITY YARD FLOOR PLAN
MCR-AE-204	ROOF PLAN AND SITE PLAN
MCR-AE-301	PLAN DETAILS
MCR-AE-302	CAST STONE DETAILS
MCR-AE-401	EXTERIOR ELEVATIONS
MCR-AE-402	EXTERIOR ELEVATIONS
MCR-AE-403	EXTERIOR ELEVATIONS
MCR-AE-404	ENLARGED ELEVATION DETAILS
MCR-AE-501	BUILDING SECTIONS
MCR-AE-511	WALL SECTIONS
MCR-AE-512	WALL SECTIONS
MCR-AE-513	WALL SECTIONS
MCR-AE-521	SECTION DETAILS
MCR-AE-522	SECTION DETAILS
MCR-AE-601	INTERIOR ELEVATIONS
MCR-AE-602	DATA CENTER ELEVATIONS
MCR-AE-701	LEVEL 1 REFLECTED CEILING PLAN
MCR-AE-801	VERTICAL CIRCULATION PLANS
MCR-AE-802	VERTICAL CIRCULATION SECTIONS AND ELEVATIONS
MCR-AE-803	VERTICAL CIRCULATION STAIR AND RAIL DETAILS
Q1-AD-201	LEVEL 1 DEMOLITION PLAN
Q1-AE-101	OVERALL PLAN
Q1-AE-201	PLANS AND ELEVATIONS
Q3-AE-101	OVERALL PLAN
Q3-AE-201	PLANS AND ELEVATIONS
Q4-AE-101	OVERALL FLOOR PLAN
Q4-AE-201	PLANS AND ELEVATIONS
Q27-AE-101	OVERALL PLAN
Q27-AE-201	FLOOR PLANS AND ELEVATIONS
Q32-AE-101	OVERALL PLAN
Q32-AE-201	PLANS AND ELEVATIONS

VOLUME 2

GENERAL INFORMATION

SHEET NO.	SHEET NAME
00-GI-000.V2	COVER SHEET - VOLUME 2
00-GI-001.V2	INDEX OF DRAWINGS - VOLUME 2

MECHANICAL

SHEET NO.	SHEET NAME
MH-001	HVAC GENERAL INFORMATION
MH-002	SCHEDULES
MH-003	SCHEDULES
MH-004	CALCULATIONS
MH-005	DETAILS
MH-006	DETAILS
MH-007	CONTROLS INFORMATION
MH-008	DIAGRAMS
MH-009	DIAGRAMS
69-MH-201	BUILDING 69 HVAC PLANS
200-MH-200	BUILDING 200/200E GROUND HVAC PLAN
200-MH-201	BUILDING 200/200E LEVEL 1 HVAC PLAN
200-MH-202	BUILDING 200/200E LEVEL 2 HVAC PLAN
200-MH-203	BUILDING 200/200E LEVEL 3 HVAC PLAN
200-MH-204	BUILDING 200/200E LEVEL 4 HVAC PLAN
200-MH-205	BUILDING 200/200E LEVEL 5, 6, 7 HVAC PLANS
200-MH-300	BUILDING 200/200E ENLARGED PLANS
200-MH-301	BUILDING 200/200E ENLARGED PLANS
200-MH-302	BUILDING 200/200E ENLARGED PLANS
200-MH-303	BUILDING 200/200E ENLARGED PLANS
200-MH-304	BUILDING 200/200E ENLARGED PLANS
202-MH-201	BUILDING 202 HVAC PLANS
202-MH-202	BUILDING 202 ENLARGED HVAC PLANS
203-MH-201	BUILDING 203 HVAC PLANS
203-MH-301	BUILDING 203 ENLARGED HVAC PLANS
204-MH-201	BUILDING 204 HVAC PLAN
204-MH-301	BUILDING 204 ENLARGED HVAC PLAN
205-MH-201	BUILDING 205 HVAC PLANS
205-MH-301	BUILDING 205 ENLARGED HVAC PLANS
205-MH-302	BUILDING 205 ENLARGED HVAC PLANS
206-MH-201	BUILDING 206 HVAC PLANS
206-MH-301	BUILDING 206 ENLARGED HVAC PLANS
206-MH-302	BUILDING 206 ENLARGED HVAC PLANS
207-MH-201	BUILDING 207 HVAC PLANS
207-MH-301	BUILDING 207 ENLARGED HVAC PLANS
207-MH-302	BUILDING 207 ENLARGED HVAC PLANS
208-MH-201	BUILDING 208 HVAC PLANS
209-MH-201	BUILDING 209 HVAC PLANS
209-MH-301	BUILDING 209 ENLARGED HVAC PLANS
210-MH-201	BUILDING 210 HVAC PLANS
210-MH-301	BUILDING 210 ENLARGED HVAC PLANS
211-MH-201	BUILDING 211 HVAC PLANS
212-MH-201	BUILDING 212 HVAC PLANS
212-MH-301	BUILDING 212 ENLARGED HVAC PLANS
221-MH-201	BUILDING 221 HVAC PLANS
232-MH-201	BUILDING 232 HVAC PLANS
232-MH-301	BUILDING 232 ENLARGED PLANS
238-MH-201	BUILDING 201, 238, AND 239 HVAC PLANS
238-MH-301	BUILDING 201, 238, AND 239 ENLARGED PLANS
240-MH-201	BUILDING 240 HVAC PLANS
255-MH-201	BUILDING 255 HVAC PLANS
MCR-MH-201	BUILDING MCR FOUNDATION HVAC PLAN
MCR-MH-202	BUILDING MCR LEVEL 1 HVAC PLAN
MCR-MH-203	BUILDING MCR LEVEL 1 HVAC PIPING PLAN
MCR-MH-204	BUILDING MCR LEVEL 1 HVAC RCP PLAN
MCR-MH-301	BUILDING MCR SECTIONS
MCR-PP-201	BUILDING MCR FOUNDATION PLUMBING PLAN
MCR-PP-202	BUILDING MCR LEVEL 1 PLUMBING PLAN
MCR-PP-203	BUILDING MCR LOWER ROOF PLUMBING & HVAC PLAN
MCR-PP-204	BUILDING MCR ROOF PLUMBING PLAN
Q1-MH-201	BUILDING Q1 HVAC PLANS
Q3-MH-201	BUILDING Q3 HVAC PLANS
Q4-MH-201	BUILDING Q4 HVAC PLANS
Q27-MH-201	BUILDING Q27 HVAC PLANS
Q32-MH-201	BUILDING Q32 HVAC PLANS

VOLUME 3

GENERAL INFORMATION

SHEET NO.	SHEET NAME
00-GI-000.V3	COVER SHEET - VOLUME 3
00-GI-001.V3	INDEX OF DRAWINGS - VOLUME 3

TELECOMMUNICATIONS

SHEET NO.	SHEET NAME
00-TG-001	LEGEND, ABBREVIATION LIST, AND GENERAL NOTES
00-TS-000	TELECOMM OVERALL SITE PLAN
00-TS-001	TELECOMM SITE PLAN
00-TS-002	TELECOMM SITE PLAN
00-TS-003	TELECOMM SITE PLAN
00-TS-004	TELECOMM SITE PLAN
00-TS-005	TELECOMM SITE PLAN
200-TD-001	B200 GROUND LEVEL DEMOLITION PLAN
200-TD-011	B200 LEVEL 1 DEMOLITION PLAN
200-TD-012	B200 LEVEL 1 DEMOLITION PLAN - MRI
200-TD-021	B200 LEVEL 2 DEMOLITION PLAN
200-TD-031	B200 LEVEL 3 DEMOLITION PLAN
200-TD-041	B200 LEVEL 4 DEMOLITION PLAN
200-TD-051	B200 LEVEL 5 DEMOLITION PLAN
200-TD-061	B200 LEVEL 6 DEMOLITION PLAN
200-TD-071	B200 LEVEL 7 DEMOLITION PLAN
200-TN-001	B200 GROUND LEVEL TELECOMMUNICATIONS PLAN
200-TN-011	B200 LEVEL 1 TELECOMMUNICATIONS PLAN
200-TN-012	B200 LEVEL 1 TELECOMMUNICATIONS PLAN - MRI
200-TN-021	B200 LEVEL 2 TELECOMMUNICATIONS PLAN
200-TN-031	B200 LEVEL 3 TELECOMMUNICATIONS PLAN
200-TN-041	B200 LEVEL 4 TELECOMMUNICATIONS PLAN
200-TN-051	B200 LEVEL 5 TELECOMMUNICATIONS PLAN
200-TN-061	B200 LEVEL 6 TELECOMMUNICATIONS PLAN
200-TN-071	B200 LEVEL 7 TELECOMMUNICATIONS PLAN
200E-TD-001	B200E GROUND LEVEL DEMOLITION PLAN
200E-TD-011	B200E LEVEL 1 DEMOLITION PLAN
200E-TD-021	B200E LEVEL 2 DEMOLITION PLAN
200E-TD-031	B200E LEVEL 3 DEMOLITION PLAN
200E-TD-041	B200E LEVEL 4 DEMOLITION PLAN
200E-TN-001	B200E GROUND LEVEL TELECOMMUNICATIONS PLAN
200E-TN-011	B200E LEVEL 1 TELECOMMUNICATIONS PLAN
200E-TN-021	B200E LEVEL 2 TELECOMMUNICATIONS PLAN
200E-TN-031	B200E LEVEL 3 TELECOMMUNICATIONS PLAN
200E-TN-041	B200E LEVEL 4 TELECOMMUNICATIONS PLAN
201-TD-011	B201/238/239 BASEMENT & LEVEL 1 DEMOLITION PLAN - BLDG. 201, 238, & 239
201-TN-011	B201/238/239 BASEMENT & LEVEL 1 TELECOMMUNICATIONS PLAN - BLDG. 201, 238, & 239
202-TD-011	B202 LEVEL 1 & 2 DEMOLITION PLAN
202-TN-011	B202 LEVEL 1 & 2 TELECOMMUNICATIONS PLAN
203-TD-011	B203 LEVEL 1 & 2 DEMOLITION PLAN
203-TD-031	B203 LEVEL 3 DEMOLITION PLAN
203-TN-011	B203 LEVEL 1 & 2 DEMOLITION PLAN
203-TN-031	B203 LEVEL 3 TELECOMMUNICATIONS PLAN
204-TD-011	B204 BASEMENT & LEVEL 1 DEMOLITION PLAN
204-TD-021	B204 LEVEL 2 & PENTHOUSE DEMOLITION PLAN
204-TN-011	B204 BASEMENT & LEVEL 1 TELECOMMUNICATIONS PLAN
204-TN-021	B204 LEVEL 2 & PENTHOUSE TELECOMMUNICATIONS PLAN
205-TD-011	B205 LEVEL 1 DEMOLITION PLAN
205-TD-021	B205 LEVEL 2 DEMOLITION PLAN
205-TD-031	B205 LEVEL 3 DEMOLITION PLAN
205-TN-011	B205 LEVEL 1 TELECOMMUNICATIONS PLAN
205-TN-021	B205 LEVEL 2 TELECOMMUNICATIONS PLAN
205-TN-031	B205 LEVEL 3 TELECOMMUNICATIONS PLAN
206-TD-011	B206 LEVEL 1 DEMOLITION PLAN
206-TD-021	B206 LEVEL 2 DEMOLITION PLAN
206-TD-031	B206 LEVEL 3 & PENTHOUSE DEMOLITION PLAN
206-TN-011	B206 LEVEL 1 TELECOMMUNICATIONS PLAN
206-TN-021	B206 LEVEL 2 TELECOMMUNICATIONS PLAN
206-TN-031	B206 LEVEL 3 & PENTHOUSE TELECOMMUNICATIONS PLAN
207-TD-011	B207 LEVEL 1 DEMOLITION PLAN
207-TD-021	B207 LEVEL 2 DEMOLITION PLAN
207-TD-031	B207 LEVEL 3 & PENTHOUSE DEMOLITION PLAN
207-TN-011	B207 LEVEL 1 TELECOMMUNICATIONS PLAN
207-TN-021	B207 LEVEL 2 TELECOMMUNICATIONS PLAN
207-TN-031	B207 LEVEL 3 & PENTHOUSE TELECOMMUNICATIONS PLAN
208-TD-011	B208 BASEMENT & LEVEL 1 DEMOLITION PLAN
208-TN-011	B208 BASEMENT & LEVEL 1 TELECOMMUNICATIONS PLAN
209-TD-011	B209 BASEMENT & LEVEL 1 DEMOLITION PLAN
209-TD-021	B209 LEVEL 2 DEMOLITION PLAN
209-TN-011	B209 BASEMENT & LEVEL 1 TELECOMMUNICATIONS PLAN
209-TN-021	B209 LEVEL 2 TELECOMMUNICATIONS PLAN
210-TD-011	B210 BASEMENT & LEVEL 1 DEMOLITION PLAN
210-TD-021	B210 LEVEL 2 & 3 DEMOLITION PLAN
210-TN-011	B210 BASEMENT & LEVEL 1 TELECOMMUNICATIONS PLAN
210-TN-021	B210 LEVEL 2 & 3 TELECOMMUNICATIONS PLAN
211-TD-011	B211 LEVEL 1 DEMOLITION PLAN
211-TN-011	B211 LEVEL 1 TELECOMMUNICATIONS PLAN
212-TD-011	B212 BASEMENT & LEVEL 1 DEMOLITION PLAN
212-TN-011	B212 BASEMENT & LEVEL 1 TELECOMMUNICATIONS PLAN
221-TD-011	B221 LEVEL 1 & ATTIC DEMOLITION PLAN
221-TN-011	B221 LEVEL 1 & ATTIC TELECOMMUNICATIONS PLAN
232-TD-011	B232 LEVEL 1 DEMOLITION PLAN
232-TD-021	B232 LEVEL 2 DEMOLITION PLAN
232-TN-011	B232 LEVEL 1 TELECOMMUNICATIONS PLAN
232-TN-021	B232 LEVEL 2 TELECOMMUNICATIONS PLAN
235-TD-011	B235 LEVEL 1 DEMOLITION PLAN
235-TN-011	B235 LEVEL 1 TELECOMMUNICATIONS PLAN
240-TD-011	B240 BASEMENT & LEVEL 1 DEMOLITION PLAN
240-TN-011	B240 BASEMENT & LEVEL 1 TELECOMMUNICATIONS PLAN
248-TD-001	B248 BASEMENT DEMOLITION PLAN
248-TN-001	B248 BASEMENT TELECOMMUNICATIONS PLAN
255-TD-011	B255 LEVEL 1 DEMOLITION PLAN
255-TN-011	B255 LEVEL 1 TELECOMMUNICATIONS PLAN
300-TD-011	B300 LEVEL 1 & 2 DEMOLITION PLAN
300-TN-011	B300 LEVEL 1 & 2 TELECOMMUNICATIONS PLAN
Q1-TD-011	BQ1 BASEMENT & LEVEL 1, 2, & 3 DEMOLITION PLAN
Q1-TN-011	BQ1 BASEMENT & LEVEL 1, 2, & 3 TELECOMMUNICATIONS PLAN
Q3-TD-011	BQ3 BASEMENT & LEVEL 1, 2, & 3 DEMOLITION PLAN
Q3-TN-011	BQ3 BASEMENT & LEVEL 1, 2, & 3 TELECOMMUNICATIONS PLAN
Q4-TD-011	BQ4 BASEMENT & LEVEL 1, & 2 DEMOLITION PLAN
Q4-TN-011	BQ4 BASEMENT & LEVEL 1, & 2 TELECOMMUNICATIONS PLAN
Q27-TD-011	BQ27 BASEMENT & LEVEL 1, & 2 DEMOLITION PLAN
Q27-TN-011	BQ27 BASEMENT & LEVEL 1, & 2 TELECOMMUNICATIONS PLAN
Q32-TD-011	BQ32 BASEMENT & LEVEL 1, & 2 DEMOLITION PLAN
Q32-TN-011	BQ32 BASEMENT & LEVEL 1, & 2 TELECOMMUNICATIONS PLAN
069-TD-011	B069 BASEMENT & LEVEL 1, & 2 DEMOLITION PLAN
069-TN-011	B069 BASEMENT & LEVEL 1, & 2 TELECOMMUNICATIONS PLAN
MCR-TN-011	MCR TELECOMMUNICATIONS PLAN
MCR-TN-012	MCR CABLE TRAY & GRID IDENTIFICATION PLAN

TELECOMMUNICATIONS *(Continued)*

SHEET NO.	SHEET NAME
TJ-001	EXISTING TELECOMM RACK ELEVATIONS
TJ-002	EXISTING TELECOMM RACK ELEVATIONS
TJ-003	EXISTING TELECOMM RACK ELEVATIONS
TJ-004	EXISTING TELECOMM RACK ELEVATIONS
TJ-005	EXISTING TELECOMM RACK ELEVATIONS
TJ-006	EXISTING TELECOMM RACK ELEVATIONS
TJ-007	TELECOMM CABLE DEMOLITION SCHEDULES
TJ-008	TELECOMM CABLE DEMOLITION SCHEDULES
TJ-009	TELECOMM CABLE DEMOLITION SCHEDULES
TJ-010	TELECOMM CABLE DEMOLITION SCHEDULES
TJ-011	TELECOMM CABLE DEMOLITION SCHEDULES
TJ-012	TELECOMM CABLE DEMOLITION SCHEDULES
TJ-013	TELECOMM CABLE DEMOLITION SCHEDULES
TJ-014	TELECOMM CABLE DEMOLITION SCHEDULES
TJ-015	TELECOMM CABLE DEMOLITION SCHEDULES
TJ-016	TELECOMM CABLE DEMOLITION SCHEDULES
TJ-017	TELECOMM CABLE DEMOLITION SCHEDULES
TJ-018	TELECOMM CABLE DEMOLITION SCHEDULES
TJ-019	TELECOMM CABLE DEMOLITION SCHEDULES
TJ-020	TELECOMM CABLE DEMOLITION SCHEDULES
TJ-021	TELECOMM CABLE DEMOLITION SCHEDULES
TJ-022	TELECOMM CABLE DEMOLITION SCHEDULES
TJ-023	TELECOMM CABLE DEMOLITION SCHEDULES
TJ-024	TELECOMM CABLE DEMOLITION SCHEDULES
TJ-025	FIBER ONE LINE DIAGRAM
TJ-026	TELECOMM CABINET ELEVATIONS - HDA
TJ-027	TELECOMM CABINET ELEVATIONS - MDA and ER
TJ-028	MCR MDA HDA CABLE ONE LINE
TJ-029	TELECOMM RACK ELEVATIONS
TJ-030	TELECOMM RACK ELEVATIONS
TJ-031	TELECOMM RACK ELEVATIONS
TJ-032	TELECOMM RACK ELEVATIONS
TJ-033	TELECOMM DETAILS
TJ-034	TELECOMM DETAILS
TJ-035	TELECOMM DETAILS
TJ-036	TELECOMM MCR CABINET DETAILS
TJ-037	TELECOMM BONDING DETAILS
TJ-038	TELECOMM BONDING DETAILS
TJ-039	TELECOMM BONDING DETAILS
TJ-040	TELECOMM BONDING DETAILS
TJ-041	TELECOMM BONDING DETAILS
TJ-042	TELECOMM CABLE SCHEDULES
TJ-043	TELECOMM CABLE SCHEDULES
TJ-044	TELECOMM CABLE SCHEDULES
TJ-045	TELECOMM CABLE SCHEDULES
TJ-046	TELECOMM CABLE SCHEDULES
TJ-047	TELECOMM CABLE SCHEDULES
TJ-048	TELECOMM CABLE SCHEDULES
TJ-049	TELECOMM J-HOOK DETAILS

VOLUME 4

GENERAL INFORMATION

SHEET NO.	SHEET NAME
00-GI-000.V4	COVER SHEET - VOLUME 4
00-GI-001.V4	INDEX OF DRAWINGS - VOLUME 4

ELECTRICAL

SHEET NO.	SHEET NAME
000-EG-001	LEGEND, ABBREVIATION LIST, AND GENERAL NOTES
000-ES-001	OVERALL ELECTRICAL SITE PLAN
000-ES-002	ELECTRICAL SITE PLAN
000-ES-003	ELECTRICAL SITE PLAN
000-ES-004	ELECTRICAL SITE PLAN
000-ES-005	ELECTRICAL SITE PLAN
000-ES-006	ELECTRICAL SITE PLAN
069-ED-011	BUILDING 69 BASEMENT, LEVEL 1, & 2 DEMOLITION PLAN -BLDG. 69
069-EP-011	BUILDING 69 BASEMENT & LEVEL 1, 2 POWER PLAN -BLDG. 69
200-ED-001	BUILDING 200 GROUND LEVEL DEMOLITION PLAN -BLDG 200
200-ED-011	BUILDING 200 LEVEL 1 DEMOLITION PLAN -BLDG. 200
200-ED-021	BUILDING 200 LEVEL 2 DEMOLITION PLAN -BLDG. 200
200-ED-031	BUILDING 200 LEVEL 3 DEMOLITION PLAN -BLDG 200
200-ED-041	BUILDING 200 LEVEL 4 DEMOLITION PLAN -BLDG 200
200-ED-051	BUILDING 200 LEVEL 5 DEMOLITION PLAN -BLDG 200
200-ED-061	BUILDING 200 LEVEL 6 DEMOLITION PLAN -BLDG 200
200-EP-001	BUILDING 200 GROUND LEVEL POWER PLAN -BLDG. 200
200-EP-011	BUILDING 200 LEVEL 1 POWER PLAN -BLDG. 200
200-EP-021	BUILDING 200 LEVEL 2 POWER PLAN -BLDG. 200
200-EP-031	BUILDING 200 LEVEL 3 POWER PLAN -BLDG. 200
200-EP-041	BUILDING 200 LEVEL 4 POWER PLAN -BLDG. 200
200-EP-051	BUILDING 200 LEVEL 5 POWER PLAN -BLDG. 200
200-EP-061	BUILDING 200 LEVEL 6 POWER PLAN -BLDG. 200
200E-ED-001	BUILDING 200E GROUND LEVEL DEMOLITION PLAN -BLDG. 200E
200E-ED-011	BUILDING 200E LEVEL 1 DEMOLITION PLAN -BLDG. 200E
200E-ED-021	BUILDING 200E LEVEL 2 DEMOLITION PLAN -BLDG. 200E
200E-ED-031	BUILDING 200E LEVEL 3 DEMOLITION PLAN -BLDG 200E
200E-EP-001	BUILDING 200E GROUND LEVEL POWER PLAN -BLDG. 200E
200E-EP-011	BUILDING 200E LEVEL 1 POWER PLAN -BLDG. 200E
200E-EP-021	BUILDING 200E LEVEL 2 POWER PLAN -BLDG. 200E
200E-EP-031	BUILDING 200E LEVEL 3 POWER PLAN -BLDG. 200E
201-ED-011	BUILDING 201 & 238 BASEMENT & LEVEL 1 DEMOLITION PLAN -BLDG. 201 & 238
201-EP-011	BUILDING 201 & 238 BASEMENT & LEVEL 1 POWER PLAN -BLDG. 201 & 238
202-ED-011	BUILDING 202 LEVEL 1 DEMOLITION PLAN -BLDG. 202
202-EP-011	BUILDING 202 LEVEL 1, 2, AND ROOF POWER PLAN -BLDG. 202
203-ED-011	BUILDING 203 LEVEL 1 & LEVEL 2 DEMOLITION PLANS -BLDG. 203
203-ED-031	BUILDING 203 LEVEL 3 DEMOLITION PLANS -BLDG. 203
203-EP-011	BUILDING 203 LEVEL 1 & LEVEL 2 POWER PLANS -BLDG. 203
203-EP-031	BUILDING 203 LEVEL 3 POWER PLANS -BLDG. 203
204-ED-011	BUILDING 204 BASEMENT & LEVEL 1 DEMOLITION PLANS -BLDG. 204
204-ED-021	BUILDING 204 LEVEL 2 & PENTHOUSE DEMOLITION PLANS -BLDG. 204
204-EP-011	BUILDING 204 BASEMENT & LEVEL 1 POWER PLANS -BLDG. 204
204-EP-021	BUILDING 204 LEVEL 2 & PENTHOUSE POWER PLANS -BLDG. 204
205-ED-011	BUILDING 205 LEVEL 1 DEMOLITION PLAN -BLDG. 205
205-ED-021	BUILDING 205 LEVEL 2 DEMOLITION PLAN -BLDG. 205
205-ED-031	BUILDING 205 LEVEL 3 DEMOLITION PLAN -BLDG. 205
205-EP-011	BUILDING 205 LEVEL 1 POWER PLAN -BLDG. 205
205-EP-021	BUILDING 205 LEVEL 2 POWER PLAN -BLDG. 205
205-EP-031	BUILDING 205 LEVEL 3 POWER PLAN -BLDG. 205
205-EP-041	BUILDING 205 ROOF POWER PLAN -BLDG. 205
206-ED-011	BUILDING 206 LEVEL 1 DEMOLITION PLAN -BLDG 206
206-ED-021	BUILDING 206 LEVEL 2 DEMOLITION PLAN -BLDG 206
206-ED-031	BUILDING 206 LEVEL 3 & PENTHOUSE DEMOLITION PLAN -BLDG 206
206-EP-011	BUILDING 206 LEVEL 1 POWER PLAN -BLDG. 206
206-EP-021	BUILDING 206 LEVEL 2 POWER PLAN -BLDG. 206
206-EP-031	BUILDING 206 LEVEL 3 POWER PLAN -BLDG. 206
206-EP-041	BUILDING 206 PENTHOUSE POWER PLAN -BLDG. 206
207-ED-011	BUILDING 207 LEVEL 1 DEMOLITION PLAN -BLDG. 207
207-ED-021	BUILDING 207 LEVEL 2 DEMOLITION PLAN -BLDG. 207
207-ED-031	BUILDING 207 LEVEL 3 & PENTHOUSE DEMOLITION PLAN -BLDG. 207
207-EP-011	BUILDING 207 LEVEL 1 POWER PLAN -BLDG. 207
207-EP-021	BUILDING 207 LEVEL 2 POWER PLAN -BLDG. 207
207-EP-031	BUILDING 207 LEVEL 3 POWER PLAN -BLDG. 207
207-EP-041	BUILDING 207 PENTHOUSE POWER PLAN -BLDG. 207

ELECTRICAL *(Continued)*

SHEET NO.	SHEET NAME
208-ED-011	BUILDING 208 BASEMENT & LEVEL 1 DEMOLITION PLAN -BLDG. 208
208-EP-011	BUILDING 208 BASEMENT & LEVEL 1 POWER PLAN -BLDG. 208
209-ED-011	BUILDING 209 BASEMENT & LEVEL 1 DEMOLITION PLAN -BLDG. 209
209-ED-021	BUILDING 209 LEVEL 2 DEMOLITION PLAN -BLDG. 209
209-EP-011	BUILDING 209 BASEMENT & LEVEL POWER PLAN -BLDG. 209
209-EP-021	BUILDING 209 LEVEL 2 & ROOF POWER PLAN -BLDG. 209
210-ED-011	BUILDING 210 BASEMENT & LEVEL 1 DEMOLITION PLAN -BLDG. 210
210-ED-021	BUILDING 210 LEVEL 2 & 3 DEMOLITION PLAN -BLDG. 210
210-EP-011	BUILDING 210 BASEMENT & LEVEL 1 POWER PLAN -BLDG. 210
210-EP-021	BUILDING 210 LEVEL 2 & LEVEL 3 POWER PLAN -BLDG. 210
211-ED-011	BUILDING 211 LEVEL 1 DEMOLITION PLAN -BLDG. 211
211-EP-011	BUILDING 211 LEVEL 1 POWER PLAN -BLDG. 211
212-ED-011	BUILDING 212 BASEMENT & LEVEL 1 DEMOLITION PLAN -BLDG. 212
212-EP-011	BUILDING 212 BASEMENT & LEVEL 1 POWER PLAN -BLDG. 212
221-ED-011	BUILDING 221 LEVEL 1 & ATTIC DEMOLITION PLAN -BLDG. 221
221-EP-011	BUILDING 221 LEVEL 1 & ATTIC POWER PLAN -BLDG. 221
232-ED-011	BUILDING 232 LEVEL 1 DEMOLITION PLAN -BLDG. 232
232-ED-021	BUILDING 232 LEVEL 2 DEMOLITION PLAN -BLDG. 232
232-EP-011	BUILDING 232 LEVEL 1 POWER PLAN -BLDG. 232
232-EP-021	BUILDING 232 LEVEL 2 POWER PLAN -BLDG. 232
239-EP-011	BUILDING 239 LEVEL 1 POWER PLAN -BLDG. 239
240-ED-011	BUILDING 240 BASEMENT & LEVEL 1 DEMOLITION PLAN -BLDG.240
240-EP-011	BUILDING 240 BASEMENT & LEVEL 1 POWER PLAN -BLDG.240
255-ED-011	BUILDING 255 LEVEL 1 DEMOLITION PLAN -BLDG. 255
255-EP-011	BUILDING 255 LEVEL 1 POWER PLAN -BLDG. 255
Q1-ED-011	BUILDING Q1 BASEMENT & LEVEL 1,2,3 DEMOLITION PLAN -BLDG. Q1
Q1-EP-011	BUILDING Q1 BASEMENT & LEVEL 1,2,3 POWER PLAN -BLDG. Q1
Q3-ED-011	BUILDING Q3 BASEMENT AND LEVEL 1,2,3 DEMOLITION PLAN -BLDG. Q3
Q3-EP-011	BUILDING Q3 BASEMENT & LEVEL 1, 2, 3 POWER PLAN -BLDG. Q3
Q4-ED-011	BUILDING Q4 BASEMENT & LEVEL 1,2,3 DEMOLITION PLAN -BLDG. Q4
Q4-EP-011	BUILDING Q4 BASEMENT & LEVEL 1, 2 POWER PLAN -BLDG. Q4
Q27-ED-011	BUILDING Q27 BASEMENT & LEVEL 1, 2 DEMOLITION PLAN -BLDG. Q27
Q27-EP-011	BUILDING Q27 BASEMENT & LEVEL 1, 2 POWER PLAN -BLDG. Q27
Q32-ED-011	BUILDING Q32 BASEMENT & LEVEL1, 2 DEMOLITION PLAN -BLDG. Q32
Q32-EP-011	BUILDING Q32 BASEMENT & LEVEL 1, 2 POWER PLAN -BLDG. Q32
MCR-EP-011	BUILDING MCR MCR POWER PLAN
MCR-EP-012	BUILDING MCR MCR LIGHTING PLAN
MCR-EP-013	BUILDING MCR MCR ENLARGEMENTS
000-EJ-001	EQUIPMENT GROUNDING DETAILS
069-EJ-001	BLDG 69 PARTIAL ELECTRICAL ONE-LINE & PANEL SCHEDULE
200-EJ-001	BLDG 200 NORMAL ELECTRICAL ONE-LINE DIAGRAM
200-EJ-002	BLDG 200 NORMAL ELECTRICAL ONE-LINE DIAGRAM
200-EJ-003	BLDG 200 EMERGENCY ELECTRICAL ONE-LINE DIAGRAM
200-EJ-004	BLDG 200E ELECTRICAL ONE-LINE DIAGRAM
200-EJ-005	BLDG 200 & 200E ELECTRICAL PANEL SCHEDULES
200-EJ-006	BLDG 200 & 200E ELECTRICAL PANEL SCHEDULES
200-EJ-007	BLDG 200 & 200E ELECTRICAL PANEL SCHEDULES
201-EJ-001	BLDG 201 & 239 ELECTRICAL PANEL SCHEDULES
202-EJ-001	BLDG 202 & 211 NORMAL ELECTRICAL ONE-LINE DIAGRAM
202-EJ-002	BLDG 202 & 211 ELECTRICAL PANEL SCHEDULES
203-EJ-001	BLDG 203 ELECTRICAL DEMOLITION ONE-LINE DIAGRAM
203-EJ-002	BLDG 203 ELECTRICAL ONE-LINE DIAGRAM
203-EJ-003	BLDG 203 ELECTRICAL PANEL SCHEDULES
204-EJ-001	BLDG 204 ELECTRICAL ONE-LINE DIAGRAM
204-EJ-002	BLDG 204 ELECTRICAL PANEL SCHEDULES
205-EJ-001	BLDG 205 ELECTRICAL ONE-LINE DIAGRAM
205-EJ-002	BLDG 205 ELECTRICAL PANEL SCHEDULES
206-EJ-001	BLDG 206 ELECTRICAL ONE-LINE DIAGRAM
206-EJ-002	BLDG 206 & 208 ELECTRICAL PANEL SCHEDULES
207-EJ-001	BLDG 207 PARTIAL ONE-LINE DIAGRAMS
207-EJ-002	BLDG 207 ELECTRICAL PANEL SCHEDULES
209-EJ-002	BLDG 209 ELECTRICAL PANEL SCHEDULES
210-EJ-001	BLDG 210 & 255 ELECTRICAL ONE-LINE DIAGRAM
210-EJ-002	BLDG 210 & 255 ELECTRICAL PANEL SCHEDULES
212-EJ-001	BLDG 212 ELECTRICAL PANEL SCHEDULES
221-EJ-001	BLDG 221 PARTIAL ELECTRICAL ONE-LINE DIAGRAM
221-EJ-002	BLDG 221 ELECTRICAL PANEL SCHEDULES
232-EJ-001	BLDG 232 ELECTRICAL ONE-LINE DIAGRAM
232-EJ-002	BLDG 232 ELECTRICAL PANEL SCHEDULES
238-EJ-001	BLDG 238 PARTIAL ELECTRICAL ONE-LINE DIAGRAMS
238-EJ-002	BLDG 238 ELECTRICAL PANEL SCHEDULES
244-EJ-001	BLDG 244 PARTIAL ELECTRICAL ONE-LINE DIAGRAM
244-EJ-002	BLDG 244 GEN 9 & 10 ELECTRICAL ONE-LINE DIAGRAM
246-EJ-001	CAMPUS MV SYSTEMS ELECTRICAL DEMOLITION ONE-LINE DIAGRAM
246-EJ-002	CAMPUS MV SYSTEMS ELECTRICAL ONE-LINE DIAGRAM
G11-EJ-001	GEN 11 ELECTRICAL ONE-LINE DIAGRAM
MCR-EJ-001	MCR ELECTRICAL ONE-LINE DIAGRAM
MCR-EJ-002	MCR ELECTRICAL PANEL SCHEDULES
MCR-EJ-003	MCR ELECTRICAL PANEL SCHEDULES
Q1-EJ-001	BLDG Q1 PARTIAL ELECTRICAL ONE-LINE DIAGRAM
Q1-EJ-002	BLDG Q1, Q3 & Q4 ELECTRICAL PANEL SCHEDULES
Q32-EJ-001	BLDG Q32 PARTIAL ELECTRICAL ONE-LINE DIAGRAM
Q32-EJ-002	BLDG Q27 & Q32 ELECTRICAL PANEL SCHEDULES

FIRE PROTECTION

SHEET NO.	SHEET NAME
000-FP-001	FIRE PROTECTION GENERAL NOTES, DIAGRAM, LEGEND
000-FP-002	FIRE PROTECTION SIGNAGE REQUIREMENTS
000-FP-003	FIRE PROTECTION SITE PLAN - MCR
MCR-FP-100	FIRE BARRIER AND EXTINGUISHER PLAN - MCR
MCR-FP-101	CLEAN AGENT PLAN - MCR
MCR-FA-101	FIRE ALARM PLAN - MCR
MCR-FS-100	FIRE SPRINKLER HAZARD CLASSIFICATION PLAN - MCR
MCR-FS-101	FIRE SPRINKLER PLAN - MCR
MCR-FS-102	FIRE SPRINKLER CALCULATION NODES - MCR
MCR-FS-501	FIRE SPRINKLER DETAILS
200-FS-001	GROUND LEVEL FIRE SPRINKLER PLAN
200-FS-011	BLDG 200 LEVEL 1 FIRE SPRINKLER PLAN
200-FS-021	BLDG 200 LEVEL 2 FIRE SPRINKLER PLAN
200-FS-031	BLDG 200 LEVEL 3 FIRE SPRINKLER PLAN
200-FS-041	BLDG 200 LEVEL 4 FIRE SPRINKLER PLAN
200-FS-051	BLDG 200 LEVEL 5 FIRE SPRINKLER PLAN
200-FS-061	BLDG 200 LEVEL 6 FIRE SPRINKLER PLAN
200E-FS-001	BLDG 200E GROUND LEVEL FIRE SPRINKLER PLAN
200E-FS-011	BLDG 200E LEVEL 1 FIRE SPRINKLER PLAN
200E-FS-021	BLDG 200E LEVEL 2 FIRE SPRINKLER PLAN
200E-FS-031	BLDG 200E LEVEL 3 FIRE SPRINKLER PLAN
201-FS-001	BLDG 201, 238 & 239 BASEMENT & LEVEL 1 FIRE SPRINKLER PLAN
202-FS-012	BLDG 202 LEVEL 2 FIRE SPRINKLER PLAN
203-FS-031	BLDG 203 LEVEL 3 FIRE SPRINKLER PLAN
204-FS-021	BLDG 204 LEVEL 2 FIRE SPRINKLER PLAN
205-FS-011	BLDG 205 LEVEL 1 FIRE SPRINKLER PLAN
205-FS-021	BLDG 205 LEVEL 2 FIRE SPRINKLER PLAN
205-FS-031	BLDG 205 LEVEL 3 FIRE SPRINKLER PLAN
206-FS-011	BLDG 206 LEVEL 1 FIRE SPRINKLER PLAN
206-FS-021	BLDG 206 LEVEL 2 FIRE SPRINKLER PLAN
206-FS-031	BLDG 206 LEVEL 3 FIRE SPRINKLER PLAN
207-FS-011	BLDG 207 LEVEL 1 FIRE SPRINKLER PLAN
207-FS-021	BLDG 207 LEVEL 2 FIRE SPRINKLER PLAN
207-FS-031	BLDG 207 LEVEL 3 FIRE SPRINKLER PLAN
208-FS-011	BLDG 208 LEVEL 1 FIRE SPRINKLER PLAN
209-FS-011	BLDG 209 LEVEL 1 FIRE SPRINKLER PLAN
209-FS-021	BLDG 209 LEVEL 2 FIRE SPRINKLER PLAN
210-FS-011	BLDG 210 LEVEL 1 FIRE SPRINKLER PLAN
212-FS-011	BLDG 212 LEVEL 1 FIRE SPRINKLER PLAN
221-FS-011	BLDG 221 LEVEL 1 FIRE SPRINKLER PLAN
232-FS-021	BLDG 232 LEVEL 2 FIRE SPRINKLER PLAN
240-FS-011	BLDG 240 LEVEL 1 FIRE SPRINKLER PLAN
255-FS-011	BLDG 255 LEVEL 1 FIRE SPRINKLER PLAN

Revisions: | Date:

CONSULTANT

ARCHITECT:
A&E DESIGN
129 NORTH 29th STREET, SUITE 100
BILLINGS, MT 59101
PH: 406.248.2633
PAUL SIDERIUS, AIA

ARCHITECT/ENGINEER OF RECORD

A/E:
GDM-AE INC
1304 NE 134TH STREET, SUITE A
VANCOUVER, WA 98685
PH: 541-436-4723

GDM ARCHITECTS • ENGINEERS

STAMP

STATE OF MONTANA · BILLINGS · ERIC ALAN HELDT · 2399 · MONTANA · LICENSED ARCHITECT

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: INDEX OF DRAWINGS - VOLUME 2

APPROVED:

PHASE: 100% CONSTRUCTION DOCUMENTS

FLS: FULLY SPRINKLERED

PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME

LOCATION: TOGUS VA MEDICAL CENTER

ISSUE DATE: November 10, 2025 | CHECKED BY: PSS | DRAWN BY: PSS

PROJECT NUMBER: 402-22-700

BUILDING NUMBER: GEN INFO

DRAWING NUMBER: 00-GI-001.V2

Autodesk Docs://22117_VA Medical Center - Togus ME/22117_-Gen Info_r25.rvt
VA FORM 08 - 6231

REISSUED 02-18-2026

SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
2 / PL105	DETAIL NUMBER DRAWING NUMBER WHERE DRAWN	UP DN	EXHAUST OR RETURN CEILING REGISTER OR GRILLE
		UP DN	EXHAUST DUCT (UP & DOWN)
A / PL105	SECTION LETTER DRAWING NUMBER WHERE SHOWN	UP DN	RETURN DUCT (UP & DOWN)
			DUCT UP (ROUND)
26-P-3	BUILDING NO. WHERE EQUIPMENT IS LOCATED. EQUIPMENT ABBREVIATION (PUMP) PUMP NO.3 IN BUILDING NO.26 TYPICAL UNIT NO.		DUCT DOWN (ROUND)
			CEILING AIR TERMINAL (ROUND)
			FLEXIBLE DUCT
26-TU-I-I	BUILDING NO. WHERE EQUIPMENT IS LOCATED ITEM (TERMINAL UNIT SHOWN) ITEM NUMBER (TERMINAL UNIT NO.1) SERVED BY AIR HANDLER UNIT NO.1		ROUND AND SQUARE 4-WAY CEILING DIFFUSERS SQUARE 3-WAY CEILING DIFFUSERS SQUARE 2-WAY CEILING DIFFUSERS
	WASTE PIPING		SQUARE 1-WAY CEILING DIFFUSERS
	VENT PIPING		SUPPLY TOP REGISTER OR GRILLE (WALL TYPE)
	COLD WATER PIPING		EXHAUST OR RETURN CEILING REGISTER OR GRILLE
	HOT WATER PIPING		EXHAUST OR RETURN REGISTER OR TOP GRILLE (WALL TYPE)
	HOT WATER CIRCULATION PIPING		EXHAUST OR RETURN BOTTOM REGISTER OR GRILLE (WALL TYPE)
	DIRECTION OF PIPE PITCH (DOWN)	VD	MANUAL VOLUME DAMPER
	DIRECTION OF FLOW		EXISTING DUCT TO BE REMOVED
	REDUCER OR INCREASER	10x8	NEW DUCT (INSIDE DIMENSIONS: WIDTH x DEPTH)
	ECCENTRIC REDUCER		LOUVER (LOUVER SPECIFIED IN ARCHITECTURAL SECTION.)
	PIPE UP		COMBINATION FIRE/SMOKE DAMPER
	PIPE DOWN		MANUAL VOLUME DAMPER
	RISE OR DROP IN PIPE	BDD	BACK DRAFT DAMPER
	TOP CONNECTION, 45° OR 90°		SUPPLY ARROW
	BOTTOM CONNECTION, 45° OR 90°		EXHAUST ARROW
	SIDE CONNECTION	12/12 DL	DOOR LOUVER WITH SIZE
	UNION	CD-1 12X12 / 100 CFM	DIFFUSER CALLOUT (TYPE, SIZE, CFM)
	STRAINER		CONNECT NEW DUCT TO EXISTING DUCT
	PIPE OR DUCT BREAK (GRAPHIC ONLY - CONTINUOUS PIPE/DUCT)		
	CHECK VALVE		STANDARD RADIUS ELBOW (LONG RADIUS)
	BALL VALVE		
	GATE VALVE		CEILING / WALL ACCESS PANEL
	GLOBE VALVE	45° SUPPLY 45° RETURN	STANDARD BRANCH SUPPLY OR RETURN, NO SPLITTER (45° TAP)
	AUTOMATIC OR MANUAL AIR VENT		
	PETE'S PLUG		
	CIRCUIT SETTER		
	STRAINER WITH BLOWDOWN VALVE & 3/4" HOSE CONNECTION		1 HR FIRE RATED WALL
	DRAIN/BLOWDOWN VALVE WITH 3/4" HOSE CONNECTION		2 HR FIRE RATED WALL
	PUMP	S	DUCT SMOKE DETECTOR LOCATION (DETECTOR PROVIDED BY DIVISION 23)
FE	HOT WATER CIRCULATION PIPING	T	THERMOSTAT
	THERMOMETER	TH	TEMPERATURE AND HUMIDITY SENSOR
3"FCO	FLUSH CLEANOUT OR SURFACE CLEANOUT	TE	TEMPERATURE SENSOR
3"WCO	WALL CLEANOUT	RE	RACK TEMPERATURE AND HUMIDITY SENSOR
3"CO	CLEANOUT	SS	SAFETY SHUTOFF SWITCH
BFP	BACKFLOW PREVENTOR	RD	REFRIGERANT DETECTION
	FLOOR DRAIN	HHS	HIGH HIGH SENSOR
	FLOOR & FUNNEL DRAIN	HS	HIGH SENSOR
	EXISTING DUCT TO BE REMOVED	LD	LEAK DETECTION
	EXISTING PIPE TO BE REMOVED	LS	LOW SENSOR
	FLEXDUCT	LLS	LOW LOW SENSOR
	VENT THROUGH ROOF	LVS	LEVEL SENSOR
	DRIP PAN		DIRECTION OF FLOW
	PRESSURE REGULATING VALVE		

HVAC DESIGN DATA - AUGUSTA MAINE USA

WEATHER STATION	MEAN SEA LEVEL ELEVATION (FEET)	TEMPERATURES						SNOW DEPTH
		SUMMER 0.4%		WINTER 99.6%	04.% WET BULB	ANNUAL EXTREME DAILY MEAN DRY BULB		
		DRY BULB	WET BULB	DRY BULB		MAXIMUM	MINIMUM	
AUGUSTA AIRPORT	361	87.1 °F	70.9 °F	-3.2 °F	73.5 °F	92.8 °F	-11.2 °F	17.1"

NOTES
1. VA DESIGN MANUAL REV. MAY 1 2023 TABLE 7-1.
2. ASHRAE 2021 FUNDAMENTALS CHAPTER 14 CLIMATE DESIGN INFORMATION.
3. BASIS OF OUTDOOR UNIT SELECTIONS IS 105 DEGREES FAHRENHEIT AMBIENT DRY BULB TEMPERATURE.
4. SNOW DEPTH DATA FROM MAINE GEOLOGICAL SURVEY.

ABBREVIATIONS LIST

°F DEGREES FAHRENHEIT
(E) EXISTING
A/E ARCHITECT/ENGINEER
ABAAS ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARD
ADA AMERICANS WITH DISABILITIES ACT
AFF ABOVE FINISHED FLOOR
AG AIRGAP
AHU AIR HANDLING UNIT
AMP AMPERES
ASHRAE AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR-CONDITIONING ENGINEERS
ASJ ALL SERVICE JACKET
AUX AUXILIARY
BC BRANCH CIRCUIT CONTROLLER
BDD BACKDRAFT DAMPER
BFP BACKFLOW PREVENTER
BTU BRITISH THERMAL UNIT
BTUH BRITISH THERMAL UNITS PER HOUR
CF CUBIC FEET
CFM CUBIC FEET PER MINUTE
CFSD COMBINATION FIRE/SMOKE DAMPER
CHR CHILLED WATER RETURN
CHS CHILLED WATER SUPPLY
CO CLEANOUT
COND CONDENSATE
COP COEFFICIENT OF PERFORMANCE
CPVC CHLORINATED POLYVINYL CHLORIDE
CW COLD WATER
CWR CONDENSER WATER RETURN
CWS CONDENSER WATER SUPPLY
DB DRY BULB
DC DOUBLE CHECK
DDC DIRECT DIGITAL CONTROL
DEG DEGREE (FAHRENHEIT)
DF DRINKING FOUNTAIN
DIA DIAMETER
DN DOWN
EA EXHAUST AIR
EAT ENTERING AIR TEMPERATURE (DEGREES FAHRENHEIT)
EC ELECTRICAL CONTRACTOR
EDB ENTERING DRY BULB TEMPERATURE (DEGREES FAHRENHEIT)
EER ENERGY EFFICIENCY RATIO
EFF EFFICIENCY
ELEC ELECTRICAL
ESP EXTERNAL STATIC PRESSURE
EWB ENTERING WET BULB TEMPERATURE (DEGREES FAHRENHEIT)
EXH EXHAUST
F FAHRENHEIT
F FIRE
F&FD FLOOR & FUNNEL DRAIN
FCO FLUSH CLEANOUT
FD FLOOR DRAIN
FLA FULL LOAD AMPERES
FOR FUEL OIL RETURN
FOS FUEL OIL SUPPLY
FPM FEET PER MINUTE
FT FEET
FU FIXTURE UNITS
FWH FREEZEPROOF WALL HYDRANT
GA GAUGE
GAL GALLON
GC GENERAL CONTRACTOR
GPF GALLONS PER FLUSH
GPH GALLONS PER HOUR
GPM GALLONS PER MINUTE
GYP GYPSUM
H HEIGHT
HB HOSE BIBB
HP HORSEPOWER
HSPF HEATING SEASON PERFORMANCE FACTOR
HR HOUR
HW HOT WATER
HWC HOT WATER CIRCULATION
HWR HEATING WATER RETURN
HWS HEATING WATER SUPPLY
IEER INTEGRATED ENERGY EFFICIENCY RATIO
IMC INTERNATIONAL MECHANICAL CODE
IN INCH
INDW INDIRECT WASTE
JAN JANITOR
J-BOX JUNCTION BOX
KW KILOWATT
L LENGTH
LAT LEAVING AIR TEMPERATURE (DEGREES FAHRENHEIT)
LB POUND
LBS POUNDS
MAX MAXIMUM
MBH THOUSAND BRITISH THERMAL UNITS PER HOUR
MCA MINIMUM CIRCUIT AMPACITY
MERV MINIMUM ENERGY REPORTING VALUE
MIN MINIMUM
MOCP MAXIMUM OVERCURRENT PROTECTION
MRT MEAN RADIANT TEMPERATURE
N/A NOT APPLICABLE
NFPA NATIONAL FIRE PROTECTION ASSOCIATION
NO NUMBER
NRC NOISE REDUCTION CRITERIA
OA OUTSIDE AIR
ORL OVERFLOW RAIN LEADER
OSA OUTSIDE AIR
PD PRESSURE DROP
PH PHASE
PSI POUNDS PER SQUARE INCH
PSIG POUNDS PER SQUARE INCH GAUGE
PTAC PACKAGED TERMINAL AIR CONDITIONER
PVC POLYVINYL CHLORIDE
QTY QUANTITY
RL RAIN LEADER
RM ROOM
RP REDUCED PRESSURE
RPM REVOLUTIONS PER MINUTE
RV RADON VENT
SCHE SIMULTANEOUS COOLING AND HEATING EFFICIENCY
SCOP SEASONAL COEFFICIENT OF PERFORMANCE
SENS SENSIBLE
SQ SQUARE FEET
SMACNA SHEET METAL AND AIR CONDITIONING CONTRACTORS NATION ASSOCIATION
SP SET POINT
SQ FT SQUARE FEET
T TEMPERATURE
TEMP TEMPERATURE
TW TEMPERED WATER
TYP TYPICAL
V VENT
V VOLT
VA UNITED STATES DEPARTMENT OF VETERAN'S AFFAIRS
VAC VOTS ALTERNATING CURRENT
VRF VARIABLE REFRIGERANT FLOW
VTR VENT THROUGH ROOF
W/ WITH
W WASTE
W WATT
WB WET BULB
WC WATER CLOSET
WCO WALL CLEANOUT
WI WIDTH

GENERAL NOTES

1. PROVIDE SYSTEM STARTUP, TESTING, & ADJUSTMENTS OF INSTALLED SYSTEMS TO MEET PERFORMANCE REQUIREMENTS INDICATED IN THE CONTRACT DOCUMENTS.
2. CONTRACTOR SHALL SUPPORT SYSTEM COMMISSIONING AND SHALL COORDINATE WITH PROJECT COMMISSIONING AGENT.
3. CONTRACTOR SHALL PROVIDE ALL DOCUMENTATION REQUIRED TO SUPPORT SYSTEM COMMISSIONING.
4. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND CONSTRUCTION FEES. FURNISH COPIES OF ALL CONSTRUCTION PERMITS, FINAL APPROVED PERMITS, AND SIMILAR DOCUMENTS TO OWNER DOCUMENTING COMPLIANCE WITH CODE REQUIREMENTS.
5. BASIS OF DESIGN: THE PRODUCTS OR SERVICES IN THE BASIS OF DESIGN AND EQUIPMENT/PRODUCT SCHEDULES ON THESE DRAWINGS WERE PURPOSELY SELECTED BY THE A/E TO MEET THE OWNER'S PROGRAMMING REQUIREMENTS AND ARE NOT BEING "SOLE-SOURCED" BY THE VA UNLESS NOTED OTHERWISE. PRODUCTS FROM OTHER MANUFACTURERS WITH EQUAL SALIENT CHARACTERISTICS, EQUAL QUALITY, EQUAL LEAD TIMES, AND EQUAL MAINTENANCE COSTS MAY BE USED TO BID AND CONSTRUCT THE PROJECT. BIDDERS SHALL CONTACT THE A/E VIA THE VA PROJECT CONTRACTING OFFICER DURING THE BID PHASE FOR APPROVAL OF THE SUBSTITUTION REQUEST ON EACH ITEM. IN THE EVENT A CONTRACTOR IS AWARDED THE PROJECT WITHOUT OBTAINING VA APPROVAL OF THE SUBSTITUTION REQUEST DURING THE BID PHASE AND THE SHOP DRAWINGS AND SUBMITTALS OF ALTERNATE MANUFACTURERS ARE NOT APPROVED BY THE A/E OR THE VA THEN THE CONTRACTOR MUST INSTALL THE BASIS OF DESIGN PRODUCTS OR SERVICES AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CHANGES RESULTING FROM PROJECT SUBSTITUTIONS. NON-APPROVED PRODUCTS OR SERVICES ARE AT THE CONTRACTOR'S RISK AND NO EQUITABLE ADJUSTMENT TO TIME OR MONEY WILL BE MADE FOR COST DIFFERENCES BETWEEN APPROVED VERSUS NON-APPROVED AFTER BIDDING HAS BEEN CLOSED. ALLOW SEVEN CALENDAR DAYS BEFORE BIDS ARE DUE TO OBTAIN APPROVAL.
6. LOCATE ALL VALVES, TRAPS, TEST PORTS, DAMPERS, CONTROLS, CLEANOUTS, ETC. TO BE ACCESSIBLE FOR MAINTENANCE, ADJUSTMENT, & TESTING. PROVIDE ACCESS PANELS FOR ALL CONCEALED DEVICES. ACCESS PANEL LOCATIONS SHALL BE COORDINATED WITH ARCHITECT.
7. ALL PIPING & DUCTWORK IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN A FURRED CHASE OR ABOVE THE SUSPENDED CEILING SYSTEM. REFER TO ARCHITECTURAL DOCUMENTS FOR FURRING & CHASE LOCATIONS & SIZES.
8. THE FIRST FIGURE OF DUCT SIZE CALLOUTS INDICATES DIMENSION OF FACE SHOWN OR INDICATED. DUCT SIZES ARE NET INSIDE DIMENSIONS. PROVIDE ANY APPLICABLE DUCT LINING AND INSULATION PER THESE PLANS AND SPECIFICATIONS. NOMINAL OUTER DUCT DIMENSIONS ARE NET INSIDE DIMENSIONS PLUS 2X INSULATION THICKNESS.
9. DUCTWORK SHALL BE 2.0" PRESSURE CLASS UNLESS OTHERWISE NOTED ON THESE DRAWINGS.
10. CONSTRUCT DUCTWORK ACCORDING TO LATEST INTERNATIONAL ENERGY CONSERVATION CODE SECTION C403.12.2.
11. PROVIDE TURNING VANES IN ALL MITERED RECTANGULAR DUCT ELBOWS & TEES.
12. PROVIDE MANUAL BALANCING DAMPERS ON ALL NEW AND MODIFIED DUCT BRANCHES TO AIR INLETS & OUTLETS. LOCATE DAMPERS AS CLOSE TO MAIN TRUNK DUCT CONNECTION AS POSSIBLE. WHERE BRANCH DUCTWORK IS INACCESSIBLE (SUCH AS ABOVE HARD LID CEILING SYSTEM), PROVIDE BALANCING DAMPER AT REGISTER, GRILLE, OR DIFFUSER.
13. PROVIDE MOTORIZED DAMPERS ON OUTDOOR AIR SUPPLY, EXHAUST OPENINGS, AND RELIEF OUTLETS. DAMPERS SHALL HAVE A MAXIMUM LEAKAGE RATE OF 4 CFM PER SQUARE FOOT AT 1" W.C.
14. RELIEF GRAVITY DAMPERS SHALL HAVE A MAXIMUM LEAKAGE RATE OF 20 CFM PER SQUARE FOOT AT 1" W.C. DAMPERS SMALLER THAN 24" IN EITHER DIRECTION SHALL HAVE A MAXIMUM LEAKAGE RATE OF 40 CFM PER SQUARE FOOT AT 1" W.C.
15. PROVIDE COMPLETE CONDENSATE DRAINAGE SYSTEM FOR ALL SPLIT SYSTEMS, VRF SYSTEMS, AND SIMILAR SYSTEMS WITH REFRIGERANT OR CHILLED WATER COOLING INSTALLED PER THIS PROJECT. UNLESS OTHERWISE SHOWN ON DRAWINGS, FIELD ROUTE DRAINAGE PIPING FROM EQUIPMENT TO NEAREST DRAIN LOCATION (SUCH AS SERVICE SINK, FUNNEL DRAIN, ETC.). SLOPE NON-PRESSURIZED DRAIN PIPING TO DRAIN LOCATION. PIPING & FITTINGS SHALL BE COPPER. MINIMUM PIPE SIZE SHALL BE 3/4". INCREASE PIPE SIZE WHERE APPLICABLE PER LATEST INTERNATIONAL MECHANICAL CODE 307.2.2.
16. EXTERIOR DRAINAGE LOCATION FOR CONDENSATE DRAIN PIPING MAY BE ACCEPTABLE, CONTINGENT UPON VA AND A/E APPROVAL OF SPECIFIC LOCATIONS.
17. SIZE REFRIGERANT PIPING ON SPLIT SYSTEM UNITS PER MANUFACTURER'S RECOMMENDATION.
18. PROVIDE 5W/FT HEAT TRACE FOR ALL RAIN LEADER AND CW PIPING & P-TRAPS IN UNHEATED SPACES.
19. TOTAL STATIC PRESSURE NOTED IN SCHEDULES SHALL BE ASSUMED TO INCLUDE DUCT SYSTEM, TERMINAL UNITS, FILTERS, COILS, ETC.
20. ALL SUPPLY AIR FILTERS SHALL BE MERV-11 RATED. ALL RETURN/EXHAUST/OUTSIDE AIR FILTERS SHALL BE MERV-11 RATED.
21. AIR INLET & OUTLET SIZES SHOWN ON PLANS ARE NECK SIZES. PROVIDE ADDITIONAL PANS, HARDWARE, ETC., REQUIRED TO INSTALL AIR INLETS & OUTLETS IN CEILING SYSTEM.
22. WALL REGISTER-TYPE AIR INLETS & OUTLETS SHALL BE INSTALLED AT 7" AFF MINIMUM ELEVATION.
23. AIR INLETS & OUTLETS IN UNFINISHED SPACES OR OPEN CEILING AREAS SHALL BE INSTALLED AT 96" AFF UNLESS OTHERWISE NOTED ON THESE DRAWINGS.
24. ALL PRESSURES LISTED ARE GAGE PRESSURES UNLESS OTHERWISE NOTED.
25. COORDINATE ALL MECHANICAL AND PLUMBING WORK WITH OTHER TRADES TO INSURE PROPER AND ADEQUATE INTERFACE OF THEIR WORK WITH THE WORK SHOWN ON THESE DOCUMENTS. CONTRACTOR SHALL PROVIDE COORDINATED SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
26. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA 70 STANDARDS AND LOCAL REQUIREMENTS.
27. ALL FIELD WIRING SHALL REQUIRE AN ELECTRICAL PERMIT AND SHALL BE PERFORMED BY A LICENSED ELECTRICIAN.
28. ALL EQUIPMENT AND COMPONENTS REQUIRING GROUNDING SHALL BE PROVIDED WITH FACTORY-INSTALLED GROUNDING LUGS OR FACTORY DRILLED & TAPPED FOR FIELD INSTALLATION OF GROUNDING LUGS. DIVISION 22 & 23 CONTRACTORS SHALL PROVIDE GROUNDING LUGS WITH ALL EQUIPMENT AND COMPONENTS REQUIRING FIELD-INSTALLED GROUNDING LUGS.
29. A SHORT DASH IN A SCHEDULE TABLE CELL INDICATES THAT THE COLUMN HEADING IS NOT USED OR NOT APPLICABLE TO THAT SCHEDULED ITEM.
30. MAINTAIN AND RESTORE (IF INTERRUPTED) ALL CONDUITS & CONDUCTORS, PIPING, & DUCTWORK PASSING THROUGH RENOVATED AREAS AND SERVICING UNDISTURBED AREAS.
31. REMOVE ALL ABANDONED DUCTWORK, PIPING, CONTROLS, WIRING, ETC., WHERE ACCESSIBLE IN RENOVATED AREAS.
32. WHERE CONTROLS ARE DEMOLISHED, REMOVE WIRING BACK TO NEAREST CONTROL PANEL OR JUNCTION BOX. REMOVE ACCESSIBLE CONDUIT, JUNCTION BOXES, ETC.
33. WHERE PIPING IS DEMOLISHED, REMOVE PIPING BACK TO NEAREST MAIN AND CAP. DO NOT LEAVE DEAD LEGS IN ANY PIPING SYSTEM.
34. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL FOR ALL EQUIPMENT AND COMPONENTS REMOVED DURING DEMOLITION.
35. CONTRACTOR SHALL PROVIDE AND INSTALL ISOLATION VALVES IN SUPPORT OF ALL PIPED EQUIPMENT AND UPDATE AS-BUILT DRAWINGS ON FINAL PLACEMENT.
36. CONTRACTOR SHALL SCAN WALLS, FLOORS, CEILINGS, AND OTHER SURFACES THAT COULD CONCEAL COMPONENTS SUCH AS EXISTING PIPING, ELECTRICAL ITEMS, OR OTHERS PRIOR TO ANY CUTTING, DRILLING, OR SIMILAR OPERATION TO VERIFY THAT THE AREA OF WORK IS CLEAR OF COMPONENTS THAT COULD BE DAMAGED.
37. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL CUTTING & RESTORATION WORK NECESSARY IN EXISTING AREAS OF THE BUILDING TO PROVIDE WORK SHOWN ON THESE DOCUMENTS. REFER TO ARCHITECTURAL DOCUMENTS FOR RESTORATION REQUIREMENTS. CUTTING WORK SHALL INCLUDE SAWCUTTING, CORE-DRILLING, AND ALL SIMILAR WORK AS REQUIRED BY THE TYPE OF CONSTRUCTION BEING PENETRATED OR MODIFIED.
38. WHERE DIRECTION REGARDING RESTORATION AT SPECIFIC LOCATIONS OF CUTTING, CORE-DRILLING, & SIMILAR ACTIVITIES DOES NOT EXIST IN THE ARCHITECTURAL DOCUMENTS, RESTORATION SHALL INCLUDE PATCHING TO MATCH EXISTING SURROUNDING CONSTRUCTION AND FINISHES. PATCHED AREAS SHALL BE RE-PAINTED FULL HEIGHT OF WALL FROM WALL CORNER TO WALL CORNER.
39. PROVIDE DRIP PANS AT ALL LOCATIONS WHERE CONDENSING UNITS, INDOOR UNITS, CONDENSATE PIPING, DOMESTIC WATER PIPING, STEAM OR STEAM CONDENSATE PIPING, OR ANY OTHER LIQUID-CARRYING ELEMENTS ARE LOCATED ABOVE DATA EQUIPMENT. DRIP PAN COVERAGE SHALL EXTEND 3" BEYOND FOOTPRINT OF DATA EQUIPMENT BELOW. DRIP PANS SHALL BE CONSTRUCTED FROM 16 GAUGE GALVANIZED STEEL WITH MECHANICALLY ASSEMBLED JOINTS. ALL SEAMS AND JOINTS SHALL BE SEALED WATERTIGHT. DRIP PANS SHALL BE SLOPED TO A LOW POINT DRAIN OUTLET.
40. PROVIDE 3/4" (MINIMUM) DRAIN PIPING BETWEEN DRIP PAN AND CONDENSATE PUMP. WHERE MULTIPLE DRIP PANS ARE PIPED TO A SINGLE CONDENSATE PUMP, MINIMUM PIPE SIZE FOR COMBINED PIPING SHALL BE 1".
41. PROVIDE CONDENSATE PUMP FOR ALL DRIP PANS. CONDENSATE PUMPS FOR USE AT DRIP PANS SHALL BE PROVIDED WITH PLUG-IN POWER CORD. WHERE SUITABLE, MULTIPLE DRIP PANS MAY GRAVITY DRAIN TO A SINGLE CONDENSATE PUMP. PROVIDE 3/4" (MINIMUM) CONDENSATE DRAIN PIPING FROM PUMP TO DRAIN LOCATION. PUMPED CONDENSATE DRAIN PIPING MAY BE CONNECTED TO OTHER PUMPED OR GRAVITY CONDENSATE DRAIN PIPES IN THE SAME ROOM.
42. CONDENSATE PUMPS FOR DRIP PANS SHALL BE FIELD-LOCATED NEAR ELECTRICAL OUTLET FOR PLUG-IN POWER CONNECTION. COORDINATE WITH EC TO PROVIDE 120V POWER FOR CONDENSATE PUMP.
43. PROVIDE CABLE-TYPE LEAK DETECTOR AT ALL DRIP PAN LOCATIONS. LEAK DETECTOR SHALL BE CONNECTED TO DDC SYSTEM FOR MONITORING.

11/7/2025 12:55:31 PM
Autodesk Docs://22117_VA Medical Center - Togus ME/22-055 Togus EHRM_Mechanical - 2025.rvt

Revisions: | Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM
GDM ARCHITECTS • ENGINEERS

STAMP

STATE OF ALASKA 49 TH SCOTTEN BLAIR ME-132203 2025/11/07 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: HVAC GENERAL INFORMATION

APPROVED:

PHASE: 100% CONSTRUCTION DOCUMENTS

FLS: FULLY SPRINKLERED

PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME

LOCATION: TOGUS VA MEDICAL CENTER

ISSUE DATE: NOVEMBER 10, 2025 | CHECKED BY: SB | DRAWN BY: KBT

PROJECT NUMBER: 402-22-700

BUILDING NUMBER:

DRAWING NUMBER: MH-001

REISSUED 02-18-2026

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10

WEATHERPROOF LOUVER SCHEDULE

SYMBOL	MANUFACTURER	MODEL	SERVICE	CFM	SIZE (IN)			FREE AREA		MAX PD	MAX VELOCITY	FINISH	NOTES
					LENGTH	HEIGHT	DEPTH	%	SQ FT	(IN)	(FPM)		
MCR-L-1	GREENHECK	BL520DD	OUTSIDE AIR	465	24.00	16.00	5.00	50.00	1.33	0.08	980	-	1,2,4
MCR-L-2	GREENHECK	BL520DD	EXHAUST AIR	460	24.00	16.00	5.00	50.00	1.33	0.08	980	-	1,2,4
MCR-L-3	GREENHECK	BL520DD	OUTSIDE AIR	135	16.00	16.00	6.00	50.00	0.89	0.08	980	-	1,2,4
MCR-L-4	GREENHECK	BL520DD	EXHAUST AIR	125	16.00	16.00	6.00	50.00	0.89	0.08	980	-	1,2,4
MCR-L-5	GREENHECK	BL520DD	EXHAUST AIR	-	24.00	24.00	6.00	50.00	2.00	0.08	980	-	1,3,4

NOTES:
1. PROVIDE LOUVER WITH BIRD SCREEN ON INSIDE OF LOUVER.
2. PROVIDE LOUVER WITH SHEET METAL PLENUM BEHIND FULL LOUVER AREA, MINIMUM 6" DEPTH.
3. EMERGENCY RELIEF AIR.
4. BLAST RATED LOUVER.

CRAC INDOOR UNIT SCHEDULE

SYMBOL	SERVES	MANUFACTURER	MODEL	REFRIGERANT	TYPE	TOTAL COOLING	SENSIBLE COOLING	HUMIDIFIER	SUPPLY FAN			ELECTRICAL					WEIGHT	NOTES
				TYPE		MBH	MBH	LB/HR	CFM	ESP	HP	VOLT	PHASE	FLA	MCA	MOCP	(LBS)	
MCR-CRAC-1	MCR 111	LIEBERT	DA125DP1ADH	R410A	FLOOR	376.0	365.00	22.00	18000	0.20	9.90	480	3	79.90	92.20	100	4100	2,5,6,7
MCR-CRAC-2	MCR 111	LIEBERT	DA125DP1ADH	R410A	FLOOR	376.0	365.00	22.00	18000	0.20	9.90	480	3	79.90	92.20	100	4100	2,5,6,7
MCR-CRAC-3	MCR ENTRANCE ROOM B	LIEBERT	PX011UA1	R410A	FLOOR	44.2	38.80	7.70	1800	0.20	1.28	480	3	18.80	22.70	25	600	1,2,3,7
MCR-CRAC-4	MCR ENTRANCE ROOM B	LIEBERT	PX011UA1	R410A	FLOOR	44.2	38.80	7.70	1800	0.20	1.28	480	3	18.80	22.70	25	600	1,2,3,7
MCR-CRAC-5	MCR ENTRANCE ROOM A	LIEBERT	PX011UA1	R410A	FLOOR	44.2	38.80	7.70	1800	0.20	1.28	480	3	18.80	22.70	25	600	1,2,3,7
MCR-CRAC-6	MCR ENTRANCE ROOM A	LIEBERT	PX011UA1	R410A	FLOOR	44.2	38.80	7.70	1800	0.20	1.28	480	3	18.80	22.70	25	600	1,2,3,7

NOTES:
1. PROVIDE WITH DOWNFLOW SUPPLY AIR PLENUM WITH FRONT DISCHARGE GRILLE.
2. COMPUTER ROOM AIR CONDITIONING UNIT WITH DEDICATED HUMIDIFICATION & DEHUMIDIFICATION FUNCTIONALITY.
3. PROVIDE WITH CONDENSATE PUMP. CONDENSATE PUMP SHALL BE POWERED BY THE INDOOR UNIT.
4. PROVIDE (1) LIEBERT VNSA14-ICOM-H NETWORK SWITCH TO INTERCONNECT ALL CRAC UNITS IN MCR BUILDING. PROVIDE CAT-6 NETWORK WIRING AND CONDUIT ROUTED BELOW RAISED FLOOR SYSTEM TO CONNECT ALL (4) UNITS.
5. DOWNFLOW UNIT CONFIGURATION. PROVIDE WITH RETURN PLENUM AT TOP OF UNIT WITH ACCESS PANELS FOR FILTER ACCESS. PROVIDE WITH BOTTOM SUPPLY PLENUM AND GRILLES WITH FRONT, LEFT, AND RIGHT SIDE SUPPLY GRILLES.
6. PROVIDE WITH SMOKE DETECTOR FOR UNIT SHUTDOWN. DETECTOR MAY BE FACTORY INSTALLED OR FACTORY SUPPLIED FOR FIELD INSTALLATION.
7. PROVIDE WITH INTEGRAL DDC INTERFACE.

CRAC CONDENSING UNIT SCHEDULE

SYMBOL	SERVES	MANUFACTURER	MODEL	REFRIGERANT	SCOP	CFM	ELECTRICAL					WEIGHT	NOTES
				TYPE			VOLT	PHASE	FLA	MCA	MOCP	(LBS)	
MCR-CU-1A	MCR-CRAC-1	LIEBERT	MCL165E1	R410A	2.34	63232	480	3	8.40	9.10	15	1482	1,2,3,4,5,6
MCR-CU-1B	MCR-CRAC-1	LIEBERT	MCL165E1	R410A	2.34	63232	480	3	8.40	9.10	15	1482	1,2,3,4,5,6
MCR-CU-2A	MCR-CRAC-2	LIEBERT	MCL165E1	R410A	2.34	63232	480	3	8.40	9.10	15	1482	1,2,3,4,5,6
MCR-CU-2B	MCR-CRAC-2	LIEBERT	MCL165E1	R410A	2.34	63232	480	3	8.40	9.10	15	1482	1,2,3,4,5,6
MCR-CU-3	MCR-CRAC-3	LIEBERT	MCS028E1	R410A	2.67	4649	480	3	1.40	1.80	15	406	1,2,3,4,6
MCR-CU-4	MCR-CRAC-4	LIEBERT	MCS028E1	R410A	2.67	4649	480	3	1.40	1.80	15	406	1,2,3,4,6
MCR-CU-5	MCR-CRAC-5	LIEBERT	MCS028E1	R410A	2.67	4649	480	3	1.40	1.80	15	406	1,2,3,4,6
MCR-CU-6	MCR-CRAC-6	LIEBERT	MCS028E1	R410A	2.67	4649	480	3	1.40	1.80	15	406	1,2,3,4,6

NOTES:
1. ELECTRICAL DISCONNECT SHALL BE PROVIDED BY DIVISION 23 CONTRACTOR WITH EQUIPMENT, AND SHALL BE FIELD INSTALLED.
2. PROVIDE AND ATTACH LABEL TO UNIT WITH SYSTEM AND SPACE SERVED.
3. PROVIDE WITH INTERCONNECTING POWER & CONTROL WIRING BETWEEN INDOOR & OUTDOOR UNITS.
4. PROVIDE WITH EXTENDED MOUNTING LEGS OPTION, MINIMUM HEIGHT 48".
5. TWO OUTDOOR UNITS SERVE A SINGLE INDOOR UNIT TO MEET CAPACITY.
6. CONDENSER SELECTION BASED ON 105 DEGREE FAHRENHEIT OUTDOOR AIR TEMPERATURE.

AIR INLETS AND OUTLETS SCHEDULE

SYMBOL	MANUFACTURER	MODEL	SERVICE	MOUNTING TYPE	STYLE	MATERIAL	FINISH	NOTES
SD-1	PRICE	AMCD	SUPPLY	T-BAR	MODULAR CORE	ALUMINUM	WHITE	1,2,3,4,5,6
SD-2	PRICE	30	SUPPLY	GYP BOARD	GRILLE	ALUMINUM	WHITE	1,2,3,5
EG-1	PRICE	80	EXHAUST	T-BAR	EGG CRATE	ALUMINUM	WHITE	1,2,3,5,6
EG-2	PRICE	80	EXHAUST	DUCT / GYP BOARD	EGG CRATE	ALUMINUM	WHITE	1,2,3,5
RG-1	PRICE	80	EXHAUST	T-BAR	EGG CRATE	ALUMINUM	WHITE	1,2,3,5,6
RG-2	PRICE	80	EXHAUST	DUCT / GYP BOARD	EGG CRATE	ALUMINUM	WHITE	1,2,3,5

NOTES:
1. REFER TO PLANS FOR SIZE AND QUANTITY.
2. FURNISH ALL PRODUCTS OF A SINGLE MANUFACTURER.
3. PROVIDE MANUAL AIR DAMPERS AT EACH BRANCH DUCT TO A SINGLE DIFFUSER, REGISTER, OR GRILLE.
4. ALL SUPPLY AIR DIFFUSERS ARE 4-WAY DISTRIBUTION PATTERN UNLESS SHOWN OTHERWISE.
5. COORDINATE DIFFUSER TYPE WITH THE ARCHITECTURAL REFLECTED CEILING PLAN.
6. PROVIDE CEILING PAN FOR T-BAR.

ROOF HOOD SCHEDULE

SYMBOL	MANUFACTURER	MODEL	SERVICE	CFM	THROAT SIZE (IN)		HEIGHT	FREE	MAX PD	MAX VELOCITY	FINISH	NOTES
					LENGTH	WIDTH	(IN)	AREA (FT)	(IN)	(FPM)		
211-H-1	GREENHECK	GRSI08	BUILDING 211	125	8.00	8.00	14.00	0.37	0.040	715.00	ALUMINUM	1,2
211-H-2	GREENHECK	GRSR08	BUILDING 211	125	8.00	8.00	14.00	0.37	0.040	715.00	ALUMINUM	1,2

NOTES:
1. PROVIDE WITH MANUFACTURER'S ROOF CURB.
2. ROOF CURB SHALL MATCH SLOPE OF ROOFING STRUCTURE. ROOF HOOD SHALL BE INSTALLED LEVEL (NOT SLOPED TO MATCH ROOF).

CRAC REFRIGERANT ECONOMIZER SCHEDULE

SYMBOL	SERVES	MANUFACTURER	MODEL	ELECTRICAL					WEIGHT	NOTES
				VOLT	PHASE	FLA	MCA	MOCP		
MCR-RE-1	MCR-CRAC-1	LIEBERT	PR085	480	3	7	7.9	15	340	
MCR-RE-2	MCR-CRAC-2	LIEBERT	PR085	480	3	7	7.9	15	340	

NOTES:
-

ENERGY RECOVERY VENTILATOR SCHEDULE

SYMBOL	MANUFACTURER	MODEL	SERVES	SUPPLY FAN				EXCHANGE EFFICIENCY (%)			FILTER	ELECTRICAL					WEIGHT	NOTES
				CFM	HP	RPM	ESP	TEMPERATURE	ENTHALPY	ENTHALPY	EFFICIENCY	VOLT	PHASE	FLA	MCA	MOCP	(LBS)	
				CFM	HP	RPM	(IN)		COOLING	HEATING								
MCR-ERV-1	MITSUBISHI	TLGHF0470R	MCR	460	-	-	1.00	77.50	64.00	75.00	MERV 7	208	1	0.11	5.1	15	110	1,2
MCR-ERV-2	MITSUBISHI	TLGHF0300R	MCR	135	-	-	0.15	79.50	61.50	77.50	MERV 7	208	1	0.03	4.3	15	75	1,2
211-ERV-1	MITSUBISHI	TLGHF0300R	MCR	125	-	-	0.15	79.50	61.50	77.50	MERV 7	208	1	0.03	4.3	15	75	1,2

NOTES:
1. PROVIDE SINGLE POINT POWER SUPPLY, FACTORY WIRED WITH NON-FUSED DISCONNECT.
2. PROVIDE WITH BACNET DDC INTERFACE.

UNIT HEATER SCHEDULE

SYMBOL	MANUFACTURER	MODEL	TYPE	SERVES	FAN	ELEC	ELECTRICAL					MOUNTING	WEIGHT	NOTES
					CFM	HEAT (KW)	VOLT	PHASE	AMPS	MCA	MOCP		(LBS)	
MCR-UH-1	REZNOR	ECR AK2	RECESSED	VESTIBULE	310	2.00	208	1	9.60	12	15	CEILING	31	
MCR-UH-2	REZNOR	EGW 3.75	CEILING	GARAGE	300	3.75	208	1	16.80	21	25	CEILING	31	
MCR-UH-3	REZNOR	EGW 3.75	CEILING	GARAGE	300	3.75	208	1	16.80	21	25	CEILING	31	

NOTES:
-

VRF INDOOR FAN COIL UNIT SCHEDULE

SYMBOL	MANUFACTURER	MODEL	TYPE	SERVED BY	SERVED BY	SUPPLY FAN				COOLING									HEATING						MIN	FILTER	ELECTRICAL				WEIGHT	NOTES
				(OUTDOOR	(BC	CFM	RPM	ESP	FLA	NOMINAL	CORRECTED	CORRECTED	EDB	EWB	DESIGN	RM	OA (°F)		NOMINAL	CORRECTED	EDB	DESIGN	RM	OA	OA	EFF	VOLT	PHASE	MCA	MOCP	(LBS)	
				UNIT)	CONTROLLER)					MBH (TOTAL)	MBH (TOTAL)	MBH (SENS)	(°F)	(°F)	LAT (°F)	SP (°F)	DB	WB	MBH (TOTAL)	MBH (TOTAL)	(°F)	LAT (°F)	SP (°F)	DB (°F)	(CFM)							
MCR-IU-01	MITSUBISHI	TPEFYP015MA	DUCTED	MCR-OU-1	MCR-BC -1	360	-	0.14	2.30	15	14.84	10.90	79.6	67.1	58.5	70	87	71	17.00	19.00	61	96.5	75	-2.9	90	MERV 11	208	1	2.88	15	60	1, 2, 3, 4
MCR-IU-02	MITSUBISHI	TPEFYP012MA	DUCTED	MCR-OU-1	MCR-BC -1	265	-	0.14	1.70	12	11.80	8.17	79.6	67.1	58.8	70	87	71	13.50	14.00	64	100.6	75	-2.9	255	MERV 11	208	1	2.13	15	50	1, 2, 3, 4
MCR-IU-03	MITSUBISHI	TPKFYP004LM	WALL MOUNT	MCR-OU-1	MCR-BC -1	125	-	-	0.19	4	3.90	2.80	80.0	67.1	61	70	87	71	4.50	4.40	70	97.8	75	-2.9	25	MERV 11	208	1	0.2	15	25	1, 2, 3, 4
MCR-IU-04	MITSUBISHI	TPLFYP005FM	CASSETTE	MCR-OU-1	MCR-BC -1	265	-	-	0.19	5	4.90	4.20	79.6	67.1	65	70	87	71	5.60	5.80	66	85.3	75	-2.9	50	MERV 11	208	1	0.24	15	30	1, 2, 3, 4

NOTES:
1. NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 80/67°F (DB/WB), OUTDOOR AMBIENT TEMPERATURE OF 95°F (DB).
2. NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70°F (DB), OUTDOOR OF 43°F (WB).
3. SEE OUTDOOR UNIT SCHEDULE FOR OUTDOOR AMBIENT CONDITIONS, CONNECTED CAPACITY, AND OTHER FACTORS ASSOCIATED WITH CORRECTED CAPACITIES.
4. PROVIDE WITH BACNET DDC INTERFACE.

RADON FAN SCHEDULE

SYMBOL	MANUFACTURER	MODEL	AREA	CFM	ESP	RPM	MOUNTING	ELECTRICAL					WEIGHT	NOTES
			SERVED		(IN)			HP	W	AMPS	VOLT	PHASE	(LBS)	
MCR-RF-1	FANTECH	RN3	MCR FOUNDATION	300	-	2,782	INLINE	-	141	1.2	120	1	6.3	1
MCR-RF-2	FANTECH	RN3	MCR FOUNDATION	300	-	2,782	INLINE	-	141	1.2	120	1	6.3	1

NOTES:
1. FINAL RADON FAN SELECTION TO BE PROVIDED BY LICENCED RADON DESIGN BUILD CONTRACTOR.

VRF OUTDOOR UNIT SCHEDULE

SYMBOL	MANUFACTURER	MODEL	SERVES	NOMINAL	HEATING	OA	EFFICIENCY RATINGS				REFRIGERANT	ELECTRICAL				WEIGHT	NOTES
				COOLING (MBH)	(MBH)	(DB)	EER	IEER	COP	SCHE	TYPE	VOLT	PHASE	MCA	MOCP	(LBS)	
MCR-OU-1	MITSUBISHI	TURYH0723AN40AN	MCR	72	80	95	12.50	23.25	3.90	25.90	R410A	208	3	38	60	609	

NOTES:
-

VRF BRANCH CIRCUIT CONTROLLER SCHEDULE

SYMBOL	MANUFACTURER	MODEL	SERVED BY	PORTS	CONNECTED	ELECTRICAL				WEIGHT	NOTES
					CAPACITY (MBH)	VOLT	PHASE	MCA	MOCP	(LBS)	
MCR-BC-1	MITSUBISHI	TCMBG0104SJ11N4	MCR-OU-1	4	54	208	1	0.4	20	58	1, 2

NOTES:
1. VRF BRANCH CIRCUIT CONTROLLER PROVIDED WITH MANUFACTURER'S STANDARD REDUCERS WHEN THE INDOOR UNIT CAPACITY IS 18,000 BTUH OR LESS.
2. INCLUDE DIAMONDBACK BALL VALVES BV-SERIES, 700 PSIG WORKING PRESSURE, FULL PORT, R410A RATED TO ISOLATE INDIVIDUAL REFRIGERANT LINES AT UNIT.

SPLIT SYSTEM INDOOR UNIT SCHEDULE

SYMBOL	SERVES	MANUFACTURER	MODEL	TYPE	REFRIGERANT	COOLING			HEATING		SUPPLY FAN		ELECTRICAL				WEIGHT	NOTES
					TYPE	TOTAL MBH	CORRECTED TOTAL MBH	CORRECTED SENSIBLE MBH	MBH	CORRECTED MBH	MAX CFM	ESP	VOLT	PHASE	MCA	MOCP	(LBS)	
69-IU-1	BLDG 69 - TE#6 102B	TRANE/MITSUBISHI	PKA-AL18NL	WALL	R-454B	18.0	13.9	11.6	-	-	450	-	208	1	-	-		1, 2, 3, 4
200E-IU-1	BLDG 200 - TR#7B E13I	TRANE/MITSUBISHI	PKA-AK36NL	WALL	R-454B	36.0	30.3	24.8	-	-	920	-	208	1	-	-		1, 2, 3, 4
200-IU-1	BLDG 200 TR#7A C009A	TRANE/MITSUBISHI	PKA-AK24NL	WALL - HEAT PUMP	R-454B	24.0	20.0	18.4	26.0	13.1	775	-	208	1	-	-		1, 2, 3, 4
200E-IU-2	BLDG 200 TR#8B E122	TRANE/MITSUBISHI	PKA-AK36NL	WALL	R-454B	36.0	30.3	24.8	-	-	920	-	208	1	-	-		1, 2, 3, 4
200-IU-2	BLDG 200 TR#8A 196A	TRANE/MITSUBISHI	PKA-AK36NL	WALL	R-454B	36.0	30.3	24.8	-	-	920	-	208	1	-	-		1, 2, 3, 4
200E-IU-3	BLDG 200 TR#9B C009A	TRANE/MITSUBISHI	PKA-AK36NL	WALL	R-454B	36.0	30.3	24.8	-	-	920	-	208	1	-	-		1, 2, 3, 4
200-IU-3	BLDG 200 TR#9A 210	TRANE/MITSUBISHI	PKA-AK36NL	WALL - HEAT PUMP	R-454B	36.0	30.3	24.8	38.0	19.7	920	-	208	1	-	-		1, 2, 3, 4
200E-IU-4	BLDG 200 TR#10B E341	TRANE/MITSUBISHI	PKA-AK36NL	WALL	R-454B	36.0	30.3	24.8	-	-	920	-	208	1	-	-		1, 2, 3, 4
200-IU-4	BLDG 200 TR#10A 358J	TRANE/MITSUBISHI	PKA-AK36NL	WALL - HEAT PUMP	R-454B	36.0	30.3	24.8	38.0	19.7	920	-	208	1	-	-		1, 2, 3, 4
200-IU-5	BLDG 200 TR#11 413	TRANE/MITSUBISHI	PKA-AK36NL	WALL - HEAT PUMP	R-454B	36.0	30.3	24.8	38.0	19.7	920	-	208	1	-	-		1, 2, 3, 4
200-IU-6	BLDG 200 TR#12 501B	TRANE/MITSUBISHI	PKA-AK36NL	WALL - HEAT PUMP	R-454B	36.0	30.3	24.8	38.0	19.7	920	-	208	1	-	-		1, 2, 3, 4
200-IU-7	BLDG 200 TR#13 635	TRANE/MITSUBISHI	PKA-AK24NL	WALL - HEAT PUMP	R-454B	24.0	20.0	18.4	26.0	13.1	775	-	208	1	-	-		1, 2, 3, 4
201-IU-1	BLDG 201 - TE#37A 001A	TRANE/MITSUBISHI	PKA-AL18NL	WALL	R-454B	18.0	13.9	11.6	-	-	450	-	208	1	-	-		1, 2, 3, 4
202-IU-1	BLDG 202 - TR#44 207E	TRANE/MITSUBISHI	PKA-AK24NL	WALL - HEAT PUMP	R-454B	24.0	20.0	18.4	26.0	13.1	775	-	208	1	-	-		1, 2, 3, 4
203-IU-1	BLDG 203 - TR#17 302	TRANE/MITSUBISHI	PKA-AK24NL	WALL	R-454B	24.0	20.0	18.4	-	-	775	-	208	1	-	-		1, 2, 3, 4
204-IU-1	BLDG 204 - TR#19 200A	TRANE/MITSUBISHI	PKA-AK24NL	WALL	R-454B	24.0	20.0	18.4	-	-	775	-	208	1	-	-		1, 2, 3, 4
205-IU-1	BLDG 205 - TR#20 108B	TRANE/MITSUBISHI	PKA-AK24NL	WALL	R-454B	24.0	20.0	18.4	-	-	775	-	208	1	-	-		1, 2, 3, 4
205-IU-2	BLDG 205 - TR#21 230A	TRANE/MITSUBISHI	PKA-AK36NL	WALL - HEAT PUMP	R-454B	36.0	30.3	24.8	38.0	19.7	920	-	208	1	-	-		1, 2, 3, 4
205-IU-3	BLDG 205 - TR#22 307E	TRANE/MITSUBISHI	PKA-AK36NL	WALL - HEAT PUMP	R-454B	36.0	30.3	24.8	38.0	19.7	920	-	208	1	-	-		1, 2, 3, 4
206-IU-1	BLDG 206 - TR#23 145A	TRANE/MITSUBISHI	PKA-AK24NL	WALL	R-454B	24.0	20.0	18.4	-	-	775	-	208	1	-	-		1, 2, 3, 4
206-IU-2	BLDG 206 - TR#24 213	TRANE/MITSUBISHI	PKA-AK24NL	WALL	R-454B	24.0	20.0	18.4	-	-	775	-	208	1	-	-		1, 2, 3, 4
206-IU-3	BLDG 206 - TR#25 366	TRANE/MITSUBISHI	PKA-AK24NL	WALL - HEAT PUMP	R-454B	24.0	20.0	18.4	26.0	13.1	775	-	208	1	-	-		1, 2, 3, 4
207-IU-1	BLDG 207 - TR#26 132A	TRANE/MITSUBISHI	PKA-AK24NL	WALL	R-454B	24.0	20.0	18.4	-	-	775	-	208	1	-	-		1, 2, 3, 4
207-IU-2	BLDG 207 - TR#27 207A	TRANE/MITSUBISHI	PKA-AK24NL	WALL	R-454B	24.0	20.0	18.4	-	-	775	-	208	1	-	-		1, 2, 3, 4
207-IU-3	BLDG 207 - TR#28 307A	TRANE/MITSUBISHI	PKA-AK24NL	WALL	R-454B	24.0	20.0	18.4	-	-	775	-	208	1	-	-		1, 2, 3, 4
208-IU-1	BLDG 208 - TR#29 107	TRANE/MITSUBISHI	PKA-AK24NL	WALL	R-454B	24.0	20.0	18.4	-	-	775	-	208	1	-	-		1, 2, 3, 4
209-IU-1	BLDG 209 - TR#30 123A	TRANE/MITSUBISHI	PKA-AK24NL	WALL	R-454B	24.0	20.0	18.4	-	-	775	-	208	1	-	-		1, 2, 3, 4
209-IU-2	BLDG 209 - TR#31 203B	TRANE/MITSUBISHI	PKA-AK24NL	WALL - HEAT PUMP	R-454B	24.0	20.0	18.4	26.0	13.1	775	-	208	1	-	-		1, 2, 3, 4
210-IU-1	BLDG 210 - TR#32 109	TRANE/MITSUBISHI	PKA-AK24NL	WALL - HEAT PUMP	R-454B	24.0	20.0	18.4	26.0	13.1	775	-	208	1	-	-		1, 2, 3, 4
211-IU-1	BLDG 211 - TR#33 101	TRANE/MITSUBISHI	PKA-AK36NL	WALL - HEAT PUMP	R-454B	36.0	30.3	24.8	38.0	19.7	920	-	208	1	-	-		1, 2, 3, 4
212-IU-1	BLDG 212 - TE#34 100F	TRANE/MITSUBISHI	PKA-AL18NL	WALL - HEAT PUMP	R-454B	18.0	14.7	12.0	23.6	11.5	450	-	208	1	-	-		1, 2, 3, 4
221-IU-1	BLDG 221 - TR#35 109	TRANE/MITSUBISHI	PKA-AK24NL	WALL - HEAT PUMP	R-454B	24.0	20.0	18.4	26.0	13.1	775	-	208	1	-	-		1, 2, 3, 4
232-IU-1	BLDG 232 - TR#36 202	TRANE/MITSUBISHI	PKA-AK24NL	WALL	R-454B	24.0	20.0	18.4	-	-	775	-	208	1	-	-		1, 2, 3, 4
239-IU-1	BLDG 239 - TE#37B 100A	TRANE/MITSUBISHI	PKA-AL18NL	WALL - HEAT PUMP	R-454B	18.0	14.7	12.0	23.6	11.5	450	-	208	1	-	-		1, 2, 3, 4
240-IU-1	BLDG 240 - TR#38 100B	TRANE/MITSUBISHI	PKA-AK24NL	WALL - HEAT PUMP	R-454B	24.0	20.0	18.4	26.0	13.1	775	-	208	1	-	-		1, 2, 3, 4
255-IU-1	BLDG 255 - TE#42 106	TRANE/MITSUBISHI	PKA-AL18NL	WALL	R-454B	18.0	13.9	11.6	-	-	450	-	208	1	-	-		1, 2, 3, 4
Q1-IU-1	BLDG Q1 - TE#1 106A	TRANE/MITSUBISHI	PKA-AL18NL	WALL - HEAT PUMP	R-454B	18.0	14.7	12.0	23.6	11.5	450	-	208	1	-	-		1, 2, 3, 4
Q3-IU-1	BLDG Q3 - TE#2 110	TRANE/MITSUBISHI	PKA-AL18NL	WALL - HEAT PUMP	R-454B	18.0	14.7	12.0	23.6	11.5	450	-	208	1	-	-		1, 2, 3, 4
Q4-IU-1	BLDG Q3 - TE#3 110	TRANE/MITSUBISHI	PKA-AL18NL	WALL - HEAT PUMP	R-454B	18.0	14.7	12.0	23.6	11.5	450	-	208	1	-	-		1, 2, 3, 4
Q27-IU-1	BLDG Q27 - TE#4 102A	TRANE/MITSUBISHI	PKA-AL18NL	WALL - HEAT PUMP	R-454B	18.0	14.7	12.0	23.6	11.5	450	-	208	1	-	-		1, 2, 3, 4
Q32-IU-1	BLDG Q32 - TE#5 105B	TRANE/MITSUBISHI	PKA-AL18NL	WALL - HEAT PUMP	R-454B	18.0	14.7	12.0	23.6	11.5	450	-	208	1	-	-		1, 2, 3, 4

NOTES:
1. INDOOR UNIT POWERED BY OUTDOOR UNIT.
2. PROVIDE WITH CONDENSATE PUMP. CONDENSATE PUMP SHALL BE POWERED BY THE INDOOR UNIT.
3. PROVIDE WITH DDC INTERFACE.
4. PROVIDE WITH MANUFACTURER'S WIRED WALL THERMOSTAT & CONTROLLER UNIT WITH INTEGRAL DIGITAL DISPLAY.

SPLIT SYSTEM OUTDOOR CONDENSING UNIT SCHEDULE

SYMBOL	SERVES	MANUFACTURER	MODEL	REFRIGERANT	NOMINAL	EFFICIENCY RATINGS				ELECTRICAL				WEIGHT	NOTES
				TYPE	TONS	EER2	SEER2	HSFP	COP2	VOLT	PHASE	MCA	MOCP	(LBS)	
69-OU-1	69-IU-1	TRANE/MITSUBISHI	PUY-AK18NL	R-454B	1.5	13.7	19.5	-	-	208	1	16	25	-	1,2,3,4,5
200E-OU-1	200E-IU-1	TRANE/MITSUBISHI	PUY-AK36NL	R-454B	3.0	13.7	20.3	-	-	208	1	34	56	-	1,2,3,4,5
200-OU-1	200-IU-1	TRANE/MITSUBISHI	PUZ-AH24NL	R-454B	2.0	13.2	22.6	9.2	4.3	208	1	22	37	-	1,2,3,4,5
200E-OU-2	200E-IU-2	TRANE/MITSUBISHI	PUY-AK36NL	R-454B	3.0	13.7	20.3	-	-	208	1	34	56	-	1,2,3,4,5
200-OU-2	200-IU-2	TRANE/MITSUBISHI	PUY-AK36NL	R-454B	3.0	13.7	20.3	-	-	208	1	34	56	-	1,2,3,4,5
200E-OU-3	200E-IU-3	TRANE/MITSUBISHI	PUY-AK36NL	R-454B	3.0	13.7	20.3	-	-	208	1	34	56	-	1,2,3,4,5
200-OU-3	200-IU-3	TRANE/MITSUBISHI	PUZ-AK36NL	R-454B	3.0	13.7	20.3	9.4	4.5	208	1	34	56	-	1,2,3,4,5
200E-OU-4	200E-IU-4	TRANE/MITSUBISHI	PUY-AK36NL	R-454B	3.0	13.7	20.3	-	-	208	1	34	56	-	1,2,3,4,5
200-OU-4	200-IU-4	TRANE/MITSUBISHI	PUZ-AK36NL	R-454B	3.0	13.7	20.3	9.4	4.5	208	1	34	56	-	1,2,3,4,5
200-OU-5	200-IU-5	TRANE/MITSUBISHI	PUZ-AK36NL	R-454B	3.0	13.7	20.3	9.4	4.5	208	1	34	56	-	1,2,3,4,5
200-OU-6	200-IU-6	TRANE/MITSUBISHI	PUZ-AK36NL	R-454B	3.0	13.7	20.3	9.4	4.5	208	1	34	56	-	1,2,3,4,5
200-OU-7	200-IU-7	TRANE/MITSUBISHI	PUZ-AH24NL	R-454B	2.0	13.2	22.6	9.2	4.3	208	1	22	37	-	1,2,3,4,5
201-OU-1	201-IU-1	TRANE/MITSUBISHI	PUY-AK18NL	R-454B	1.5	13.7	19.5	-	-	208	1	16	25	-	1,2,3,4,5
202-OU-1	202-IU-1	TRANE/MITSUBISHI	PUZ-AH24NL	R-454B	2.0	13.2	22.6	9.2	4.3	208	1	22	37	-	1,2,3,4,5
203-OU-1	203-IU-1	TRANE/MITSUBISHI	PUY-AH24NL	R-454B	2.0	13.2	22.6	-	-	208	1	22	35	-	1,2,3,4,5
204-OU-1	204-IU-1	TRANE/MITSUBISHI	PUY-AH24NL	R-454B	2.0	13.2	22.6	-	-	208	1	22	35	-	1,2,3,4,5
205-OU-1	205-IU-1	TRANE/MITSUBISHI	PUY-AK36NL	R-454B	3.0	13.7	20.3	-	-	208	1	34	56	-	1,2,3,4,5
205-OU-2	205-IU-2	TRANE/MITSUBISHI	PUZ-AK36NL	R-454B	3.0	13.7	20.3	9.4	4.5	208	1	34	56	-	1,2,3,4,5
205-OU-3	205-IU-3	TRANE/MITSUBISHI	PUZ-AK42NL	R-454B	3.5	12.0	21.0	10.1	4.0	208	1	34	56	-	1,2,3,4,5
206-OU-1	206-IU-1	TRANE/MITSUBISHI	PUY-AH24NL	R-454B	2.0	13.2	22.6	-	-	208	1	22	35	-	1,2,3,4,5
206-OU-2	206-IU-2	TRANE/MITSUBISHI	PUY-AH24NL	R-454B	2.0	13.2	22.6	-	-	208	1	22	35	-	1,2,3,4,5
206-OU-3	206-IU-3	TRANE/MITSUBISHI	PUZ-AH24NL	R-454B	2.0	13.2	22.6	9.2	4.3	208	1	22	37	-	1,2,3,4,5
207-OU-1	207-IU-1	TRANE/MITSUBISHI	PUY-AH24NL	R-454B	2.0	13.2	22.6	-	-	208	1	22	35	-	1,2,3,4,5
207-OU-2	207-IU-2	TRANE/MITSUBISHI	PUY-AH24NL	R-454B	2.0	13.2	22.6	-	-	208	1	22	35	-	1,2,3,4,5
207-OU-3	207-IU-3	TRANE/MITSUBISHI	PUY-AH24NL	R-454B	2.0	13.2	22.6	-	-	208	1	22	35	-	1,2,3,4,5
208-OU-1	208-IU-1	TRANE/MITSUBISHI	PUY-AH24NL	R-454B	2.0	13.2	22.6	-	-	208	1	22	35	-	1,2,3,4,5
209-OU-1	209-IU-1	TRANE/MITSUBISHI	PUY-AH24NL	R-454B	2.0	13.2	22.6	-	-	208	1	22	35	-	1,2,3,4,5
209-OU-2	209-IU-2	TRANE/MITSUBISHI	PUZ-AH24NL	R-454B	2.0	13.2	22.6	9.2	4.3	208	1	22	37	-	1,2,3,4,5
210-OU-1	210-IU-1	TRANE/MITSUBISHI	PUZ-AH24NL	R-454B	2.0	13.2	22.6	9.2	4.3	208	1	22	37	-	1,2,3,4,5
211-OU-1	211-IU-1	TRANE/MITSUBISHI	PUZ-AK36NL	R-454B	3.0	13.7	20.3	9.4	4.5	208	1	34	56	-	1,2,3,4,5
212-OU-1	212-IU-1	TRANE/MITSUBISHI	PUZ-AK18NL	R-454B	1.5	13.7	19.5	9	4.00	208	1	16	27	-	1,2,3,4,5
221-OU-1	221-IU-1	TRANE/MITSUBISHI	PUZ-AH24NL	R-454B	2.0	13.2	22.6	9.2	4.3	208	1	22	37	-	1,2,3,4,5
232-OU-1	232-IU-1	TRANE/MITSUBISHI	PUY-AH24NL	R-454B	2.0	13.2	22.6	-	-	208	1	22	35	-	1,2,3,4,5
239-OU-1	239-IU-1	TRANE/MITSUBISHI	PUZ-AK18NL	R-454B	1.5	13.7	19.5	9	4.00	208	1	16	27	-	1,2,3,4,5
240-OU-1	240-IU-1	TRANE/MITSUBISHI	PUZ-AH24NL	R-454B	2.0	13.2	22.6	9.2	4.3	208	1	22	37	-	1,2,3,4,5
255-OU-1	255-IU-1	TRANE/MITSUBISHI	PUY-AK18NL	R-454B	1.5	13.7	19.5	-	-	208	1	16	25	-	1,2,3,4,5
Q1-OU-1	Q1-IU-1	TRANE/MITSUBISHI	PUZ-AK18NL	R-454B	1.5	13.7	19.5	9	4.00	208	1	16	27	-	1,2,3,4,5
Q3-OU-1	Q3-IU-1	TRANE/MITSUBISHI	PUZ-AK18NL	R-454B	1.5	13.7	19.5	9	4.00	208	1	16	27		1,2,3,4,5
Q4-OU-1	Q4-IU-1	TRANE/MITSUBISHI	PUZ-AK18NL	R-454B	1.5	13.7	19.5	9	4.00	208	1	16	27	-	1,2,3,4,5
Q27-OU-1	Q27-IU-1	TRANE/MITSUBISHI	PUZ-AK18NL	R-454B	1.5	13.7	19.5	9	4.00	208	1	16	27	-	1,2,3,4,5
Q32-OU-1	Q32-IU-1	TRANE/MITSUBISHI	PUZ-AK18NL	R-454B	1.5	13.7	19.5	9	4.00	208	1	16	27	-	1,2,3,4,5

NOTES:
1. ELECTRICAL DISCONNECT SHALL BE PROVIDED BY DIVISION 23 CONTRACTOR WITH EQUIPMENT, AND SHALL BE FIELD INSTALLED.
2. PROVIDE WITH MOUNTING STAND, MINIMUM 24" HIGH.
3. PROVIDE AND ATTACH LABEL TO UNIT WITH SYSTEM AND SPACE SERVED.
4. OUTDOOR UNIT SHALL POWER INDOOR UNIT.
5. PROVIDE WITH INTERCONNECTING POWER & CONTROL WIRING BETWEEN INDOOR & OUTDOOR UNITS.

Autodesk Docs://22117_VA Medical Center - Togus ME/22-055 Togus EHRM_Mechanical - 2025.rvt   11/7/2025 12:55:33 PM

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS • ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 2025/11/07 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: SCHEDULES

APPROVED:

PHASE: 100% CONSTRUCTION DOCUMENTS

FLS: FULLY SPRINKLERED

PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME

LOCATION: TOGUS VA MEDICAL CENTER

ISSUE DATE: NOVEMBER 10, 2025 | CHECKED BY: KBT | DRAWN BY: ADF

PROJECT NUMBER: 402-22-700

BUILDING NUMBER:

DRAWING NUMBER: MH-002

VA FORM 08 - 6231

REISSUED 02-18-2026

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	DESCRIPTION	PLUMBING CONNECTIONS (IN)						FLOW		MOUNTING	WEIGHT	FINISH	ELECTRICAL				NOTES
			WASTE	INDW	VENT	HW	CW	STORM	GPM	GPF		(LBS)		W	AMP	VOLT	PHASE	
P-103	WATER CLOSET	ADA WALL MOUNT, SIPHON JET TYPE	4.00	-	2.00	-	1.50	-	-	1.28	WALL	-	WHITE	-	-	-	-	1,3, 4
P-424	LAVATORY	ADA VITREOUS CHINA, 19"X15", WALL HUNG, SELF-RIMMING, GOOSENECK FAUCET, WRIST BLADE HANDLES	2.00	-	2.00	0.50	0.50	-	0.50	-	WALL	-	WHITE	-	-	-	-	1,2
P-502	MOP SINK	MOLDED COMPOSITE, NEO-CORNER FLOOR MOUNT, 28"X28", WALL MOUNT FAUCET	3.00	-	2.00	0.75	0.75	-	2.50	-	FLOOR	-	GRAY	-	-	-	-	5
P-802	HOSE BIBB	WALL MOUNTED CONCEALED HOSE BIBB	-	-	-	-	0.75	-	-	-	WALL	-	-	-	-	-	-	6
FD-C	FLOOR DRAIN	TYPE C, MEDIUM DUTY, SQUARE OR ROUND STRAINER	2.00	-	2.00	-	-	-	-	-	FLOOR	-	NICKEL-BRONZE	-	-	-	-	
FD-W	STAND PIPE	OPEN SIGHT DRAIN, CAST IRON	4.00	-	2.00	-	-	-	-	-	FLOOR	-	NICKEL-BRONZE	-	-	-	-	
FD-Z	TRENCH DRAIN	304 STAINLESS STEEL SLOTTED GRATE TRENCH DRAIN	2.00	-	2.00	-	-	-		-	FLOOR	-	NICKEL-BRONZE	-	-	-	-	
RD-1	ROOF AND OVERFLOW DRAIN	COMBINATION ROOF AND OVERFLOW DRAIN	-	-	-	-	-	4.00	-	-	ROOF	-	CAST IRON	-	-	-	-	
DS-1	DOWNSPOUT	4" OVERFLOW DOWNSPOUT	-	-	-	-	-	-	-	-	ROOF	-	BRONZE	-	-	-	-	7

NOTES:
1. INSTALL IN ACCORDANCE WITH ADA & ABAAS REQUIREMENTS.
2. PROVIDE LAVATORY WITH MANUFACTURERS' CARRIER AND STEEL BACKING PLATE.
3. PROVIDE WITH WALL CARRIER.
4. PROVIDE WITH SLOW-CLOSE, OPEN-FRONT HINGED SEAT.
5. PROVIDE WITH STAINLESS STEEL WALL GUARDS FOR (2) ADJACENT WALLS, MOP HANGER BRACKET, 30" HOSE & BRACKET.
6. HOSE BIBB LENGTH TO ACCOUNT FOR 10" WALL THICKNESS MINIMUM.
7. PROVIDE WITH STAINLESS STEEL SCREEN.

BACKFLOW PREVENTER SCHEDULE

SYMBOL	MANUFACTURER	MODEL	LINE SIZE (IN)	SERVICE	TYPE			AIRGAP (IN)	WEIGHT (LBS)	NOTES
					RP	DC	AG			
MCR-BFP-1	WATTS	LF009	1-1/2	MCR	X	-	-	4 7/8	16	

NOTES:

ELECTRIC WATER HEATER SCHEDULE

SYMBOL	MANUFACTURER	MODEL	TYPE	CAPACITY (GAL)	DISCHARGE TEMP (DEG F)	RECOVERY		ELECTRICAL				NOTES
						GPH	TEMP RISE	VOLT	PHASE	AMP	KW	
MCR-WH-1	EEMAX	SPEX8208T	TANKLESS	-	104	56.66	60	208	1	40	8.3	1
MCR-WH-2	EEMAX	XTP032208	TANKLESS	-	140	119.42	107	208	3	87	31.2	

NOTES:
1. PROVIDE WITH INLINE FLOW REGULATOR

PIPE INSULATION SCHEDULE

APPLICATION	TEMP RANGE (°F)	INSULATION CONDUCTIVITY		NOMINAL PIPE SIZE (IN)				TYPE	NOTES
		K FACTOR	MRT (°F)	<1"	1" - 1-1/4"	1-1/2" - 3"	4" - 8"	>8"	
CWR/CWS	40-60	0.28-0.27	75	0.50	0.50	1.00	1.00	1.00	FIBERGLASS W/ ASJ	1,2
HWR/HWS	100-180	0.25-0.29	125	1.50	1.50	2.00	2.00	2.00	FIBERGLASS W/ ASJ	1,2
CONDENSATE DRAIN	40-60	0.28-0.27	75	0.50	0.50	1.00	1.00	1.00	FLEXIBLE ELASTOMERIC	1,2
AHU DRAINS AND TRAPS	<40	0.20-0.26	75	0.50	1.00	1.00	1.00	1.50	FLEXIBLE ELASTOMERIC	1,2
REFRIGERANT PIPING	0-150	0.25-0.29	125	1.50	1.50	2.00	-	-	FLEXIBLE ELASTOMERIC	1,2
HW, HWC	105-140	0.21-0.28	100	1.00	1.00	1.50	1.50	1.50	FIBERGLASS W/ ASJ	1
CW	40-60	0.28-0.27	75	0.50	0.50	1.00	1.00	1.00	FIBERGLASS W/ ASJ	1
ROOF DRAIN	<40	0.20-0.26	75	-	-	1.00	1.00	1.50	FIBERGLASS W/ ASJ	1
LPS/LPR	200-500	0.27-0.30	150	2.5	2.50	3.00	-	-	FIBERGLASS W/ ASJ	3

NOTES:
1. PROVIDE WITH PVC JACKETING IN ALL EXPOSED LOCATIONS (DATA SPACES, UTILITY ROOMS, STORAGE ROOMS, ETC.).
2. PROVIDE WITH ALUMINUM JACKETING IN ALL EXTERIOR LOCATIONS.
3. PROVIDE WITH ALUMINUM JACKETING IN ALL EXPOSED LOCATIONS (LAUNDRY SPACES, UTILITY ROOMS, STORAGE ROOMS, ETC.).

PIPE SUPPORT SCHEDULE

PIPE MATERIAL	PIPE THICKNESS	FITTING TYPE	SERVICE	FLUID TEMPERATURE	PIPE SUPPORT MAXIMUM INTERVAL (FT)																										NOTES
				(°F)	1/2"		3/4"		1"		1-1/4"		1-1/2"		2"		2-1/2"		3"		4"		6"		8"		10"		12"		14"		16"	
					HOR	VERT	HOR	VERT	HOR	VERT	HOR	VERT	HOR	VERT	HOR	VERT	HOR	VERT	HOR	VERT	HOR	VERT	HOR	VERT	HOR	VERT	HOR	VERT	HOR	VERT	HOR	VERT	
STEEL	SCH 40	THREADED, WELDED, GROOVED, FLANGED	HWS/R, CWS/R, STEAM, FUEL	ALL	7	NOTE 3	7	NOTE 3	7	NOTE 3	7	NOTE 3	9	NOTE 3	10	NOTE 3	10	NOTE 3	10	NOTE 3	10	NOTE 3	10	NOTE 3	10	NOTE 3	10	NOTE 3	10	NOTE 3	10	NOTE 3	10	NOTE 3	
STEEL	SCH 80	THREADED, WELDED, GROOVED, FLANGED	STEAM, STEAM CONDENSATE	ALL	7	NOTE 3	7	NOTE 3	7	NOTE 3	7	NOTE 3	9	NOTE 3	10	NOTE 3	10	NOTE 3	10	NOTE 3	10	NOTE 3	10	NOTE 3	10	NOTE 3	10	NOTE 3	10	NOTE 3	10	NOTE 3	10	NOTE 3	
COPPER	ACR	ALL	REFRIGERANT	ALL	5	NOTE 1	5	NOTE 1	6	NOTE 1	7	NOTE 1	8	NOTE 1	8	NOTE 1	9	NOTE 1	10	NOTE 1	10	NOTE 1	10	NOTE 1	10	NOTE 1	10	NOTE 1	10	NOTE 1	10	NOTE 1	10	NOTE 1	
COPPER	TYPE K	ALL	MEDICAL GAS, MEDICAL VACUUM, STEAM CONDENSATE	ALL	5	NOTE 1	5	NOTE 1	6	NOTE 1	7	NOTE 1	8	NOTE 1	8	NOTE 1	9	NOTE 1	10	NOTE 1	10	NOTE 1	10	NOTE 1	10	NOTE 1	10	NOTE 1	10	NOTE 1	10	NOTE 1	10	NOTE 1	
COPPER	TYPE L	BRAZED, SWEAT, THREADED	CW, HW, TW, CONDENSATE, MEDICAL VACUUM	ALL	5	NOTE 1	5	NOTE 1	6	NOTE 1	7	NOTE 1	8	NOTE 1	8	NOTE 1	9	NOTE 1	10	NOTE 1	10	NOTE 1	10	NOTE 1	10	NOTE 1	10	NOTE 1	10	NOTE 1	10	NOTE 1	10	NOTE 1	
COPPER	TYPE M	BRAZED, SWEAT, THREADED	CONDENSATE	ALL	5	NOTE 1	5	NOTE 1	6	NOTE 1	7	NOTE 1	8	NOTE 1	8	NOTE 1	9	NOTE 1	10	NOTE 1	10	NOTE 1	10	NOTE 1	10	NOTE 1	10	NOTE 1	10	NOTE 1	10	NOTE 1	10	NOTE 1	
CAST IRON	-	NO-HUB	DWV	ALL	-	-	-	-	-	-	-	-	NOTE 4	NOTE 2	NOTE 4	NOTE 2	NOTE 4	NOTE 2	NOTE 4	NOTE 2	NOTE 4	NOTE 2	NOTE 4	NOTE 2	NOTE 4	NOTE 2	NOTE 4	NOTE 2	NOTE 4	NOTE 2	NOTE 4	NOTE 2	NOTE 4	NOTE 2	
ABS	SCH 40	SOCKET	DWV, CONDENSATE	<140°F	2.5	NOTE 1	2.5	NOTE 1	3	NOTE 1	3	NOTE 1	3	NOTE 1	4	NOTE 1	4	NOTE 1	4	NOTE 1	4	NOTE 1	4	NOTE 1	6	NOTE 1	6	NOTE 1	6	NOTE 1	6	NOTE 1	6	NOTE 1	
PVC	SCH 40	SOCKET	DWV, CONDENSATE	<140°F	2.5	NOTE 1	2.5	NOTE 1	3	NOTE 1	3	NOTE 1	3	NOTE 1	4	NOTE 1	4	NOTE 1	4	NOTE 1	4	NOTE 1	4	NOTE 1	6	NOTE 1	6	NOTE 1	6	NOTE 1	6	NOTE 1	6	NOTE 1	

NOTES:
1. SUPPORT AT EACH FLOOR OR 10', WHICHEVER IS LESS.
2. SUPPORT AT EACH FLOOR OR 15', WHICHEVER IS LESS.
3. SUPPORT AT EACH FLOOR OR 25', WHICHEVER IS LESS.
4. SUPPORT EVERY OTHER JOINT FOR UP TO 4' PIPE SECTIONS. SUPPORT EVERY JOINT FOR PIPE SECTION LENGTHS 4'-10'. SUPPORT WITHIN 18" OF EACH JOINT AND AT EACH HORIZONTAL BRANCH CONNECTION.

EMERGENCY RELIEF DAMPER

SYMBOL	MANUFACTURER	MODEL	DUCT SIZE (IN)			SERVICE	NOTES
			W	H	DIA		
MCR-ERD-1	GREENHECK	SEBR-40	24	24	-	PRESSURE RELIEF	1

NOTES:
1. CONFIGURE DAMPER FOR BAROMETRIC PRESSURE RELIEF. SET RELIEF PRESSURE PER RECOMMENDATIONS OF CLEAN AGENT SYSTEM CONTRACTOR.

FIRE/SMOKE DAMPER SCHEDULE

SYMBOL	LOCATION	MANUFACTURER	MODEL	RATING	DUCT SIZE (IN)			WALL/FLOOR	ELECTRICAL		NOTES
					W	H	DIA	THICKNESS (IN)	VOLT	PHASE	
MCR-FSD-1	MCR - ENTRANCE RM B	RUSKIN	FSDR60LP	1.5 HR	6	6	-	6	120	1	1,2,3,4,5
MCR-FSD-2	MCR - ENTRANCE RM B	RUSKIN	FSDR60LP	1.5 HR	6	6	-	6	120	1	1,2,3,4,5
MCR-FSD-3	MCR - STORAGE 109	RUSKIN	FSDR60LP	1.5 HR	6	6	-	6	120	1	1,2,3,4,5
MCR-FSD-4	MCR - STORAGE 109	RUSKIN	FSDR60LP	1.5 HR	6	6	-	6	120	1	1,2,3,4,5

NOTES:
1. ALL WIRING & SAFETY INTERLOCKS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.
2. PROVIDE ADDRESSIBLE TYPE DUCT SMOKE DETECTOR WITH EACH DAMPER PER APPLICABLE CODE REQUIREMENTS.
3. PROVIDE WITH ACTUATORS & FUSIBLE LINKS.
4. DUCT SMOKE DETECTOR SHALL BE COMPATIBLE WITH FIRE ALARM SYSTEM. REFER TO DIVISION 28 FOR FIRE ALARM REQUIREMENTS.
5. PROVIDE WITH 120 VOLT ELECTRICAL ACTUATORS. REFER TO DIVISION 26 FOR ELECTRICAL POWER FOR ACTUATORS.

DUCT INSULATION & LINING SCHEDULE

APPLICATION	R-VALUE (MIN)	K-VALUE (MAX)	NRC (MIN, 1")	THICKNESS (IN)	INSULATION LOCATION		TYPE	NOTES
					INSIDE DUCT	OUTSIDE DUCT		
SUPPLY & RETURN AIR DUCT INSULATION OUTSIDE BUILDING	12.00	-	-	4.40	-	X	FIBERGLASS WITH ASJ	1
SUPPLY & RETURN AIR DUCT INSULATION IN UNCONDITIONED SPACE	12.00	-	-	4.40	-	X	FIBERGLASS WITH ASJ	1
SUPPLY & RETURN AIR DUCT INSIDE BUILDING	5.60	-	-	2.00	-	X	FIBERGLASS WITH ASJ	1
OUTSIDE AIR DUCT INSULATION INSIDE BUILDING	12.00	-	-	4.40	-	X	FIBERGLASS WITH ASJ	1
SUPPLY DUCT INSULATION, EXTERIOR, FROM UNIT TO BUILDING	12.00	-	-	2.00	-	X	POLYISO BOARD	1,2
RETURN DUCT INSULATION, EXTERIOR, FROM UNIT TO BUILDING	12.00	-	-	2.00	-	X	POLYISO BOARD	1,2
SOUNDLINING	-	0.25	0.55	1.00	X	-	CLOSED-CELL ELASTOMERIC	3,4
RADON MITIGATION DUCT INSULATION INSIDE BUILDING	4.00	-	-	1.50	X	-	FIBERGLASS WITH ASJ	1,5

NOTES:
1. ASJ SHALL INCLUDE VAPOR BARRIER.
2. PROVIDE WITH ALUMINUM EXTERIOR JACKET.
3. PROVIDE SOUND LINING FOR A MINIMUM OF 10' UPSTREAM & DOWNSTREAM OF ALL FAN EQUIPMENT >500 CFM.
4. SOUNDLINING NOT REQUIRED ON DUCTWORK IN MCR SPACE.
5. PROVIDE WITH PVC EXTERIOR JACKET.

FUEL SYSTEM EQUIPMENT SCHEDULE

SYMBOL	MANUFACTURER	MODEL	TYPE	SERVICE	FLOW			ELECTRICAL					DESCRIPTION/DATA	WEIGHT (LBS)	NOTES
					GPM (DESIGN)	GPM (MIN)	HEAD (PSI)	HP	VOLT	PHASE	MCA	MOCP			
MCR-FTA-1	EARTHSAFE	ER-M5.4000	FUEL TANK PACKAGE	GENERATOR MCR-GEN-A	-	-	-	-	208	1	40	50	PACKAGED FUEL TANK SYSTEM	11,000 LBS DRY / 45,000 LBS OPERATING	2,4,6,7
MCR-FST-1	EARTHSAFE	ER-M5.4000	FUEL STORAGE TANK	GENERATOR MCR-GEN-A	-	-	-	-	-	-	-	-	4,000 GALLON ABOVE GROUND TANK, 96"W X 96"H X 152"L, STEEL DOUBLE WALL CONSTRUCTION	-	1,3,5
MCR-P-1	EARTHSAFE	M2.03	DUPLEX SUPPLY PUMPS	GENERATOR MCR-GEN-A	3.00	0.379	25	0.33	-	-	-	-	DUPLEX PUMP SYSTEM	-	5
MCR-P-2	EARTHSAFE	M2.03	DUPLEX RETURN PUMPS	GENERATOR MCR-GEN-A	3.00	0.379	25	0.33	-	-	-	-	DUPLEX PUMP SYSTEM	-	5
MCR-PU-1	EARTHSAFE	M3.10	FUEL POLISHING UNIT	GENERATOR MCR-GEN-A	10.00	-	25	1.00	-	-	-	-	1-1/2" CONNECTIONS	-	5
MCR-SCFB-1	EARTHSAFE	M400	SPILL CONTAINMENT AND FILL BOX	GENERATOR MCR-GEN-A	-	-	-	-	-	-	-	-	2" CONNECTION	-	5

NOTES:
1. PROVIDE 1 OSHA STYLE END MOUNTED LADDER.
2. AT CONTRACTOR OPTION, FUEL TANK PACKAGE COMPONENTS MAY BE PROVIDED SEPERATELY. IF PROVIDED SEPARATELY, CONTRACTOR SHALL PROVIDE INDIVIDUAL POWER AND CONTROL CONNECTIONS FOR ALL REQUIRED COMPONENTS, AND SHALL COORDINATE THIS WITH ELECTRICAL CONTRACTOR.
3. UL-2085 DOUBLE WALL FIRE PROTECTED TANK CONSTRUCTION.
4. BASIS OF DESIGN FUEL TANK PACKAGE INCLUDES TANK, SUPPLY PUMPS, FUEL POLISHING UNIT, FILL BOX WITH SPILL CONTAINMENT, AND LEVEL MONITORING/LEAK DETECTION/CONTROL SYSTEM.
5. PROVIDED WITH FUEL TANK PACKAGE.
6. SINGLE POINT POWER CONNECTION FOR FUEL TANK PACKAGE SUPPLIES POWER TO ALL INCLUDED COMPONENTS.
7. PROVIDE WITH BACNET DDC CONNECTION.

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E

GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49TH — REGISTERED — SCOTTEN BLAIR — ME-132203 — PROFESSIONAL ENGINEER — 11/07

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE
SCHEDULES

APPROVED:

PHASE
100% CONSTRUCTION DOCUMENTS

FLS
FULLY SPRINKLERED

PROJECT TITLE
ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME

LOCATION
TOGUS VA MEDICAL CENTER

ISSUE DATE
NOVEMBER 10, 2025

CHECKED BY
KBT

DRAWN BY
ADF

PROJECT NUMBER
402-22-700

BUILDING NUMBER

DRAWING NUMBER
MH-003

REISSUED 02-18-2026

Autodesk Docs://22117_VA Medical Center - Togus ME/22-055 Togus EHRM_Mechanical - 2025.rvt
11/7/2025 12:55:34 PM

DATA ROOM BASIS OF HVAC DESIGN

BLDG	ROOM	TR REFERENCE NUMBER	RACK/CABINET QTY	ROOM TYPE	HEAT LOADS		NOTES
					KW	BTUH	
200	C009A	TR #7A	1	TR	5.0	17,100	
200	196A	TR #8A	2	TR	7.0	23,900	
200	210	TR #9A	2	TR	7.0	23,900	
200	358J	TR #10A	3	TR	8.5	29,000	
200	413	TR #11	2	TR	7.0	23,900	
200	C501B	TR #12	2	TR	7.0	23,900	
200	635	TR #13	1	TR	5.0	17,100	
200E	E13I	TR #7B	2	TR	7.0	23,900	
200E	E122	TR #8B	2	TR	7.0	23,900	
200E	E201	TR #9B	2	TR	7.0	23,900	
200E	E341	TR #10B	2	TR	7.0	23,900	
201	001A	TE #37A	1	TE	3.0	10,200	
202	207E	TR #44	1	TR	5.0	17,100	
203	302	TR #17	1	TR	5.0	17,100	
204	200A	TR #19	1	TR	5.0	17,100	
205	108B	TR #20	1	TR	5.0	17,100	
205	230A	TR #21	2	TR	7.0	23,900	
205	307E	TR #22	2	TR	7.0	23,900	
206	145A	TR #23	1	TR	5.0	17,100	
206	213	TR #24	1	TR	5.0	17,100	
206	366	TR #25	1	TR	5.0	17,100	
207	132A	TR #26	1	TR	5.0	17,100	
207	207	TR #27	1	TR	5.0	17,100	
207	307A	TR #28	1	TR	5.0	17,100	
208	107	TR #29	1	TR	5.0	17,100	
209	123A	TR #30	1	TR	5.0	17,100	
209	203B	TR #31	1	TR	5.0	17,100	
210	109	TR #32	1	TR	5.0	17,100	
211	101	TE #33	1	TE	3.0	10,200	
212	100F	TE #34	1	TE	3.0	10,200	
221	109	TR #35	1	TR	5.0	17,100	
232	202	TR #36	1	TR	5.0	17,100	
239	100A	TE #37B	1	TE	3.0	10,200	
240	100B	TR #38	1	TR	5.0	17,100	
255	106	TE #42	1	TE	3.0	10,200	
MCR	ENTRANCE A		3	ER	8.5	29,000	
MCR	ENTRANCE B		3	ER	8.5	29,000	
MCR	MCR	MCR	-	-	99.6	339,800	1
Q1	106A	TE #1	1	TE	3.0	10,200	
Q3	110	TE #2	1	TE	3.0	10,200	
Q4	110	TE #3	1	TE	3.0	10,200	
Q27	102A	TE #4	1	TE	3.0	10,200	
Q32	105B	TE #5	1	TE	3.0	10,200	
Q69	102B	TR #6	1	TE	3.0	10,200	

NOTES:
1. MCR HEAT LOADS USED FOR LOAD CALCULATIONS AND CFD MODELING PURPOSES ARE BASED ON CABINET AND EQUIPMENT KW RATINGS PER DCIE CFD MANUAL, AND DO NOT REFLECT INSTALLED KW RATINGS OR RECOMMENDED SMALL DATA CENTER ULTIMATE KW LOAD RATINGS.

VENTILATION CALCULATIONS

SPACE/ZONE	OCCUPANCY DESCRIPTION	FLOOR AREA AZ (SF)	DENSITY PZ	ZONE POPULATION	OA RATE PER PERSON RP	POPULATION OSA (CFM)	AREA OSA RA (CFM/SF)	AREA OSA (CFM)	BREATHING ZONE OSA VBZ (CFM)	DISTRIBUTION EFFECTIVENESS	TOTAL OSA VOZ (CFM)	DESIGN OSA (CFM)	NOTES
BLDG 211													
BLDG 211 - 101 - KITCHEN	MULTIPURPOSE ASSEMBLY	594	120	10	5	50	0.06	35.64	85.6	0.80	107.1	125	1
MCR													
ERV - 1													
MCR - 100 - ENTRANCE ROOM A	COMPUTER (NOT PRINTING)	167	4	2	5	10	0.06	10.02	20.0	0.80	25.0	25	1
MCR - 101 - RECEIVING	SHIPPING / RECEIVING	86	2	2	10	20	0.12	10.32	30.3	0.80	37.9	40	1
MCR - 102 - UNBOX	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	147	2	2	5	10	0.06	8.82	18.8	0.80	23.5	25	1
MCR - 103 - SUPPLIES	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	90	2	2	5	10	0.06	5.40	15.4	0.80	19.3	25	1
MCR - 104 - MECH	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	104	2	2	5	10	0.06	6.24	16.2	0.80	20.3	30	1
MCR - 105 - ELEC	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	203	2	2	5	10	0.06	12.18	22.2	0.80	27.7	50	1
MCR - 106 - HAC	OCCUPIABLE STORAGE ROOMS FOR LIQUIDS OR GELS	38	2	1	5	5	0.12	4.56	9.6	0.80	12.0	50	
MCR - 107 - CLEAN AGENT	OCCUPIABLE STORAGE ROOMS FOR LIQUIDS OR GELS	78	2	0	5	0	0.12	9.36	9.4	0.80	11.7	50	1
MCR - 108 - TOILET	RESTROOM	45	0	0	0	0	0.00	50.0	0.80	62.5	75		
MCR - 109 - EXTERIOR STORAGE	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	70	2	1	5	5	0.06	4.20	9.2	0.80	11.5	25	
MCR - 110 - WORKING STATION	OFFICE SPACE	132	5	3	5	15	0.06	7.92	22.9	0.80	28.7	40	1
MCR - 113 - VESTIBULE	CORRIDORS	50	-	0	-	0	0.00	0.0	0.80	0.0	0		
MCR - 114/115 - CORRIDOR	CORRIDORS	262	-	0	-	0	0.06	15.72	15.7	0.80	19.7	25	
ERV - 2													
MCR - 111 - DATA CENTER	COMPUTER (NOT PRINTING)	1198	4	2	5	10	0.06	71.88	81.9	0.80	102.4	110	1
MCR - 112 - ENTRANCE ROOM B	COMPUTER (NOT PRINTING)	163	4	2	5	10	0.06	9.78	19.8	0.80	24.7	25	1

GENERAL NOTES:
A. CALCULATIONS BASED ON ASHRAE 2019.
NOTES:
1. SPACE ZONE POPULATION BASED ON BUILDING DESIGN.

REFRIGERANT SYSTEM CALCULATIONS

SPACE/ZONE	OCCUPANCY TYPE	FLOOR AREA (SF)	HEIGHT (FT)	VOLUME (CF)	DUCT SYSTEM VOLUME (CF)	TOTAL VOLUME (CF)	REFRIGERANT	REFRIGERANT CLASS	ALLOWED (LBS/1000 CF)	ALLOWED (LBS)	DESIGN QTY IN ZONE (LBS)	NOTES
MCR - 100 - ENTRANCE ROOM A	INDUSTRIAL	160	13.2	2,112	0	2,112	R-410A	A1	26	55	3.6	1,2
MCR - VRF ZONE	INDUSTRIAL	1251	13.2	16,513	0	16,513	R-410A	A1	26	429	31.9	1,2
MCR - 111 - DATA CENTER	INDUSTRIAL	1,240	19	23,560	0	23,560	R-410A	A1	26	613	134.1	1,2
MCR - 112 - ENTRANCE ROOM B	INDUSTRIAL	167	19	3,173	0	3,173	R-410A	A1	26	82	9.4	1,2
BLDG 211 - 101 - LIVING ROOM	RESIDENTIAL	594	9	5,346	1	5,347	R-410A	A1	26	139	4.8	1,3

NOTES:
1. REFRIGERANT CALCULATIONS BASED ON IMC CHAPTER 11, TABLE 1103.1.
2. CALCULATION BASED ON SPACES WITHIN ZONE BEING CONNECTED BY HVAC DUCTWORK AND/OR PERMANENT OPENINGS, PER ASHRAE 15 SECTION 7.3.1 AND 7.3.2, AND IMC 1104.4.1 & 1104.4.2.

Revisions:	Date:

CONSULTANT
CONSULTANT

ARCHITECT/ENGINEER OF RECORD
A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS • ENGINEERS

STAMP
STATE OF ALASKA 49TH
SCOTTEN BLAIR
ME-132203
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

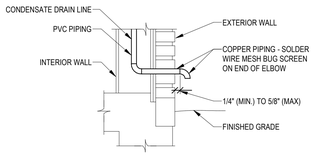
VA U.S. Department of Veterans Affairs

DRAWING TITLE: CALCULATIONS
APPROVED:
PHASE: 100% CONSTRUCTION DOCUMENTS
FLS: FULLY SPRINKLERED
PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME
LOCATION: TOGUS VA MEDICAL CENTER
ISSUE DATE: NOVEMBER 10, 2025
CHECKED BY: JB
DRAWN BY: ADR
PROJECT NUMBER: 402-22-700
BUILDING NUMBER:
DRAWING NUMBER: MH-004

REISSUED 02-18-2026

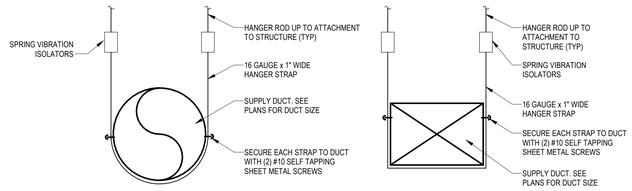
Autodesk Docs://22117_VA Medical Center - Togus ME\22-055 Togus EHRM_Mechanical - 2025.rvt
11/7/2025 12:55:35 PM

VA FORM 08 - 6231



7 CONDENSATE DRAIN DETAIL

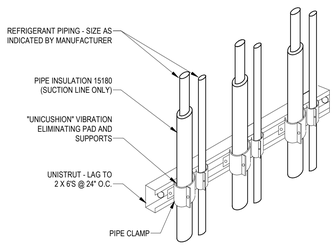
N.T.S.



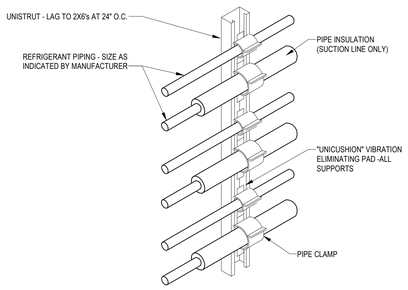
NOTE:
1. PROVIDE AND CONSTRUCT DUCT HANGERS AND SUPPORTS PER 2006 SMACNA HVAC DUCT CONSTRUCTION STANDARDS FIGURE 5-5.
2. LENGTH OF SUPPORTS, STRAP SIZES, AND SIZES OF STEEL ANGLES AS REQUIRED FOR DUCT SIZE AND CONFIGURATION.
3. MAXIMUM 10' SPACING BETWEEN SUPPORTS.

4 TYPICAL DUCT SUPPORT DETAIL

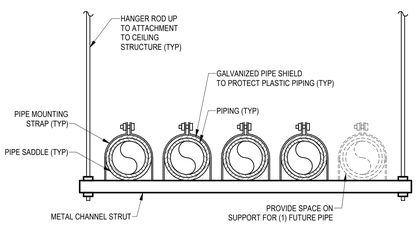
N.T.S.

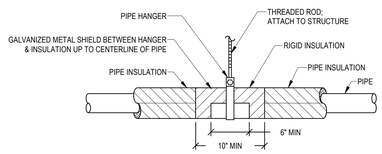


PROVIDE PIPING SUPPORT AS SHOWN AT TOP & BOTTOM OF VERTICAL RISER; COVER ENTIRE LENGTH OF EXPOSED PIPING ON EXTERIOR WALL W/ 24 GA. GALV. SHEET METAL FLASHING. PROVIDE PRIMER COAT ON FLASHING.



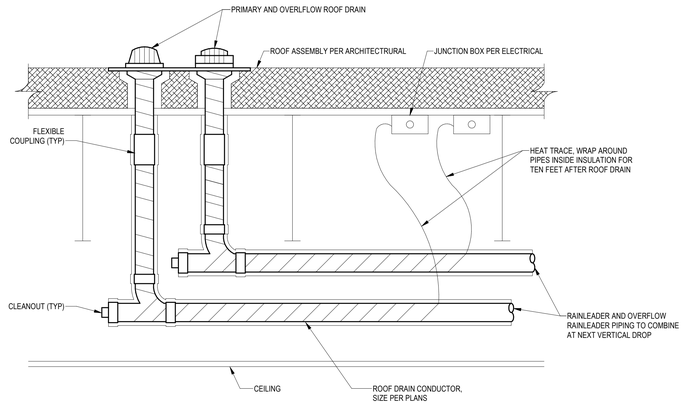
PROVIDE PIPING SUPPORT AS SHOWN AT ALLOWABLE SPACING AS NOTED IN SPECIFICATIONS FOR PIPE HANGERS. COVER ENTIRE LENGTH OF EXPOSED PIPING ON EXTERIOR WALL W/ 24 GA. GALV. SHEET METAL FLASHING. PROVIDE PRIMER COAT.





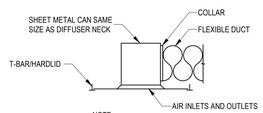
1 PIPE SUPPORT DETAIL

N.T.S.

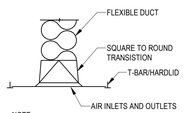


5 HEAT TRACE INSTALLATION AT ROOF DRAINS

N.T.S.



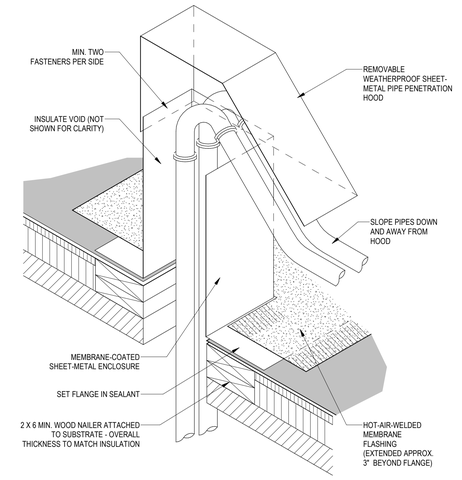
NOTE:
USE THIS TYPE OF CONNECTION IN CONSTRICTED CELING SPACES



NOTE:
USE THIS TYPE OF CONNECTION WHERE THERE IS ENOUGH CEILING SPACE TO KEEP KINKS OUT OF FLEXIBLE DUCT

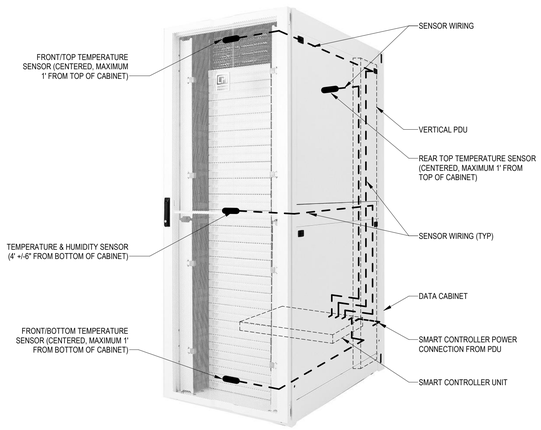
2 AIR TERMINAL DETAIL

N.T.S.



6 FLASHING PIPE THROUGH ROOF

N.T.S.



NOTES:
1. ATTACH SENSORS TO DATA CABINET/RACK. DO NOT ATTACH TO CABINET DOOR.
2. SENSORS SHALL CONNECT TO SMART CONTROLLER UNIT LOCATED IN CABINET.
3. SENSORS & SMART CONTROLLER UNIT SHALL BE PROVIDED BY DIVISION 23. CONTRACTOR AS PART OF DATA CENTER COOLING OPTIMIZATION SYSTEM.
4. SMART CONTROLLER UNIT SHALL BE CONNECTED TO FACILITY DCCO SYSTEM VIA FACILITY ETHERNET NETWORK & DDC SYSTEM.
5. SENSORS SHALL BE MONITORED BY DCCO SYSTEM.
6. SMART CONTROLLER UNIT MAY BE LOCATED ANYWHERE IN DATA CABINET (FRONT OR BACK). COORDINATE WITH TELECOM CONTRACTOR FOR AVAILABLE SPACE/LOCATION IN EACH MONITORED CABINET.
7. SMART CONTROLLER SHALL BE POWERED FROM RACK VERTICAL POWER DISTRIBUTION UNIT (PDU).

3 DATA CABINET MONITORING DETAIL

N.T.S.

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA — 49TH — SCOTTEN BLAIR — ME-13220 — REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

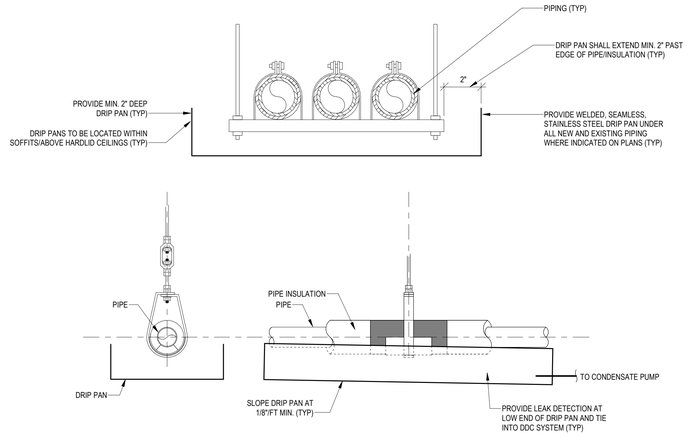
VA U.S. Department of Veterans Affairs

DRAWING TITLE: DETAILS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER:
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: MH-005
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: ADF	

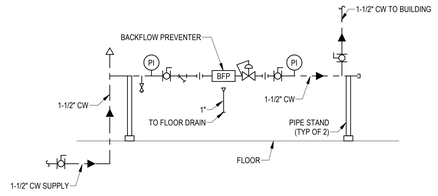
REISSUED 02-18-2026

Autodesk Docs://22117_VA Medical Center – Togus ME/22-065 Togus EHRM_Mechanical - 2025.rvt
11/7/2025 12:55:35 PM

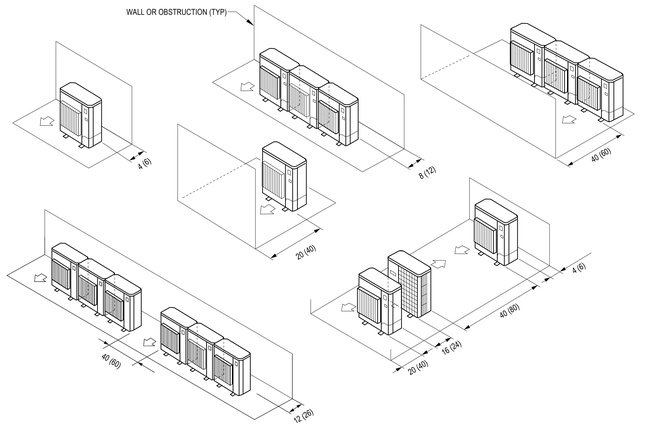
VA FORM 08 - 6231



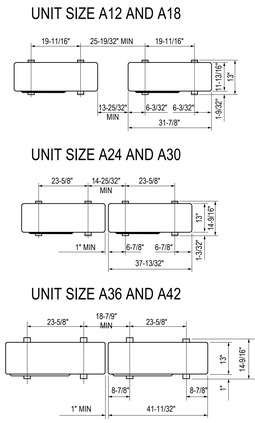
8 TYPICAL DRIP PAN DETAIL
N.T.S.



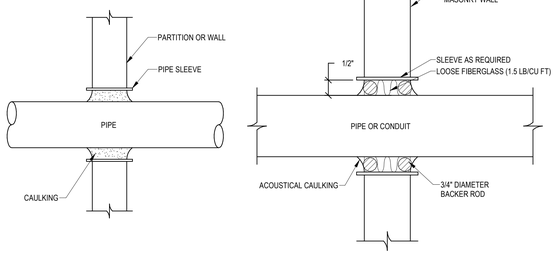
9 DOMESTIC WATER HEADER
N.T.S.



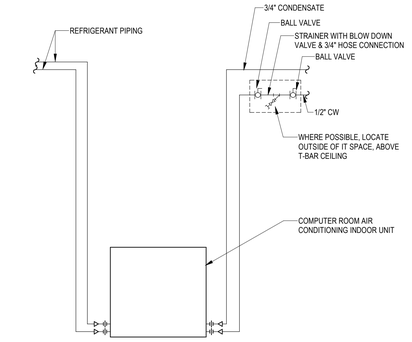
NOTE:
CLEARANCE BASED ON UNIT SELECTIONS INDICATED IN SCHEDULES ON THESE DRAWINGS AS BASIS OF DESIGN. OTHER MANUFACTURER'S AND MODELS MAY VARY FROM THESE REQUIREMENTS.



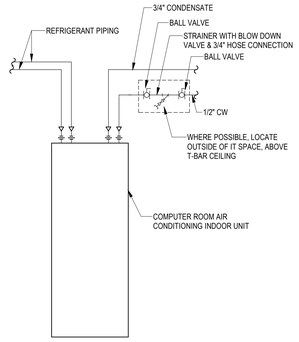
10 OUTDOOR UNIT CLEARANCE DETAIL
N.T.S.

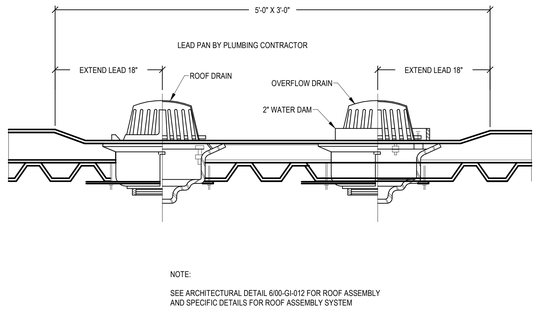


5 TYPICAL INTERIOR WALL PIPE PENETRATION DETAIL
N.T.S.



6 CRAC UNIT PIPING CONNECTIONS
N.T.S.

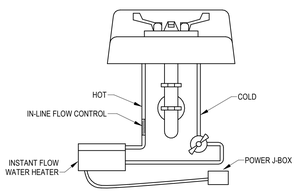




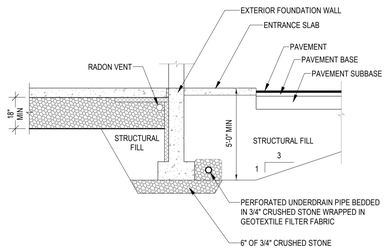
NOTE:

SEE ARCHITECTURAL DETAIL 6/00-GI-012 FOR ROOF ASSEMBLY AND SPECIFIC DETAILS FOR ROOF ASSEMBLY SYSTEM

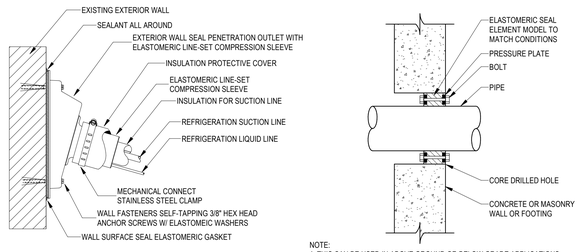
7 ROOF DRAIN DETAIL
N.T.S.



1 INSTANT FLOW WATER HEATER INSTALLATION DETAIL
N.T.S.

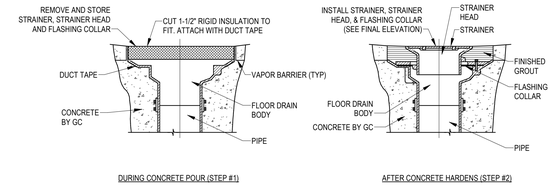


2 FOOTING DRAIN DETAIL
N.T.S.



NOTE:
1. THIS CAN BE USED IN ABOVE GROUND OR BELOW GRADE APPLICATIONS. ELESTOMERIC SEAL AND HARDWARE SHALL BE SELECTED PER EACH SPECIFIC LOCATION AND APPLICATION.

3 TYPICAL EXTERIOR WALL PENETRATION DETAIL
N.T.S.



NOTE:
COMPLETE INSTALLATION OF FLOOR DRAIN AND SETTING OF FINAL ELEVATION SHALL NOT BE ALLOWED DURING INITIAL CONCRETE POUR

4 FLOOR DRAIN INSTALLTION DETAIL
N.T.S.

Revisions:	Date:

CONSULTANT
CONSULTANT

ARCHITECT/ENGINEER OF RECORD
A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP
STATE OF ALASKA
49TH
SCOTTEN BLAIR
ME-13220
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)
VA U.S. Department of Veterans Affairs

DRAWING TITLE: DETAILS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER:
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: MH-006
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: ADF	

REISSUED 02-18-2026

Autodesk Docs://22117_VA Medical Center - Togus ME/22-055 Togus EHRM_Mechanical - 2025.rvt
11/7/2025 12:55:36 PM
VA FORM 08 - 6231

SYSTEM POINTS LIST - HVAC SYSTEMS

SYSTEM POINT DESCRIPTION	ANALOG INPUT: TEMPERATURE	PRESSURE	RH	KW/H	BTU HR	GPM	PERCENT	RELATIVE HUMIDITY	PPM	ANALOG OUTPUT: SET POINT ADJ.	BINARY INPUT: STATUS ON/OFF	FILTER STATUS	STATUS OPEN/CLOSED	CYCLES	NO. OF STARTS	TIMED OVERRIDE	BINARY OUTPUT: ON/OFF	CONTROL OPEN	CONTROL CLOSE	LOCK OUT	ENABLE/DISABLE	SYSTEM FEATURES ALARMS: HIGH ANALOG	LOW ANALOG	HIGH BINARY	LOW BINARY	PROOF	SENSOR FAIL	COMMUNICATIONS FAIL	DIAGNOSTICS	GENERAL ALARM	PROGRAMS: GRAPHICS	TREADING	NOTES
COMPUTER ROOM AIR CONDITIONING UNITS																																	1,2
DISCHARGE AIR TEMPERATURE	X																					X	X								X	X	
RETURN AIR HUMIDITY		X																				X	X								X	X	
SUPPLY FAN STATUS											X														X		X				X	X	
HUMIDIFIER COMMAND											X																				X	X	
DISCHARGE AIR TEMPERATURE SETPOINT										X																					X	X	
DISCHARGE HUMIDITY		X																				X	X								X	X	
COOLING SETPOINT										X																					X	X	
COMPRESSOR STATUS											X																				X	X	
SCHEDULE COMMAND																															X	X	
UNIT ENABLE COMMAND																					X					X					X	X	
FIRE ALARM SHUTDOWN																	X														X	X	3
UNIT ALARM																														X	X	X	
UNIT SMOKE ALARM																														X	X	X	
SPACE TEMPERATURE	X																					X	X			X		X	X		X	X	5
SPACE HUMIDITY		X																				X	X			X		X	X		X	X	5
SPACE OCCUPANCY															X																X	X	
VRF SYSTEM																																	1
UNIT ENABLE											X																			X	X	X	
UNIT ERROR																														X	X	X	
HEATING SETPOINT										X												X	X								X	X	
COOLING SETPOINT										X												X	X								X	X	
FAN SPEED STATE								X																						X	X	X	
OPERATIONAL STATE											X																			X	X	X	
FIRE ALARM SHUT DOWN																	X														X	X	3
ERV / DOAS SYSTEM																																	1
SUPPLY AIR TEMPERATURE	X																													X	X	X	
OUTSIDE AIR TEMPERATURE	X																													X	X	X	
UNIT ENABLE																					X										X	X	
FIRE ALARM SHUT DOWN																	X														X	X	3
WATER LEAK DETECTION SYSTEM																										X					X	X	4
REFRIGERANT DETECTORS									X													X									X	X	
UPS UNITS															X																X		1
UNIT TEMPERATURE	X																														X	X	
HUMIDITY		X																													X	X	
DRY CONTACT																															X	X	
UNIT HEATERS																																	
STATUS ON/OFF											X																				X	X	6
EXHAUST FANS																																	
FAN ON/OFF																	X														X	X	6
RADON EXHAUST FANS																																	
FAN STATUS											X																			X	X	X	6
INLET PRESSURE		X																				X	X			X					X	X	
OUTLET PRESSURE		X																				X	X			X					X	X	
FUEL SYSTEMS																																	7
FUEL TANK CRITICAL HIGH LEVEL																									X						X		
FUEL TANK HIGH LEVEL																									X						X		
FUEL TANK LOW LEVEL																									X						X		
FUEL TANK CRITICAL LOW LEVEL																									X						X		
FUEL TANK LEVEL							X															X	X								X		
FUEL LEAK DETECTION																														X	X		
DUPLEX PUMP																										X		X			X		

NOTES:
1. INTEGRATE ALL POINTS AVAILABLE FROM FACTORY UNIT CONTROLLER INTO DDC SYSTEM.
2. PROVIDE GATEWAY IF REQUIRED TO CONNECT FACTORY UNIT CONTROLLER TO DDC SYSTEM.
3. FIRE ALARM SHUTDOWN IS FOR SUPPLY AIR SMOKE DETECTORS IN UNITS RATED OVER 2000 CFM.
4. FOR SPACES SERVED BY VRF SYSTEMS, OCCUPANCY SENSORS SHALL BE PROVIDED WITH VRF SYSTEM.
5. SPACE TEMPERATURE AND HUMIDITY SENSORS MAY BE PROVIDED AS SEPARATE SENSORS OR COMBINED SENSOR UNITS.
6. STATUS MAY BE MONITORED BY CURRENT TRANSFORMER ON POWER WIRING.
7. INTEGRATE POINTS FROM FUEL TANK MONITORING & LEAK DETECTION SYSTEMS.

SEQUENCE OF OPERATIONS

1. GENERAL
   - 1.1 ALL TEMPERATURE SETPOINTS AND MINIMUM/MAXIMUM ALLOWABLE VALUES SHALL BE USER ADJUSTABLE.
   - 1.2 ALL TIME VALUES, SUCH AS ALARM DELAYS, LEAD-LAG INTERVALS, ETC., SHALL BE USER ADJUSTABLE.
2. COMPUTER ROOM AIR CONDITIONING UNIT - MCR
   - 2.1 DESCRIPTION: COMPUTER ROOM AIR CONDITIONING UNITS TO PROVIDE TEMPERATURE AND HUMIDITY CONTROL TO THE SPACES THAT THEY SERVE.
   - 2.2 SPACE CONDITIONING: THE CRAC UNITS SHALL OPERATE USING MANUFACTURER'S PRE-PROGRAMMED SEQUENCES TO HEAT, COOL, HUMIDIFY, AND DE-HUMIDIFY THE SPACE TO MAINTAIN SPACE CONDITION REQUIREMENTS SPECIFIED FOR THE DATA CENTER EQUIPMENT AT ALL TIMES.
   - 2.3 DATA CENTER COOLING OPTIMIZATION (DCCO) SYSTEM
     - 2.3.1 THE DCCO SYSTEM WILL MONITOR THE SPACE CONDITIONS, RACK ENVIRONMENT CONDITIONS, AND CRAC UNIT OPERATION AND AUTOMATICALLY MANAGE & ADJUST CRAC UNIT OPERATION SETTINGS FOR MOST EFFICIENT OPERATION.
     - 2.3.2 RACK SENSORS AT DATA CABINETS SHALL BE CONNECTED TO THE BUILDING DDC SYSTEM AND MONITORED BY THE DCCO SYSTEM.
     - 2.3.3 COMMUNICATION BETWEEN THE DCCO SYSTEM & THE CRAC UNITS WILL BE THROUGH THE BUILDING DDC SYSTEM.
     - 2.3.4 CRAC UNITS SHALL RECEIVE TEMPERATURE AND HUMIDITY SETPOINTS, ENABLE/DISABLE, & FAN SPEED SETPOINTS FROM THE DATA CENTER COOLING OPTIMIZATION (DCCO) SYSTEM VIA THE BUILDING DDC SYSTEM.
     - 2.3.5 DCCO SYSTEM CONTROL & MANAGEMENT SHALL BE VIA DCCO SYSTEM WEB PAGE, SEPARATE FROM DDC SYSTEM.
   - 2.4 MULTI-UNIT OPERATION AND STAGING:
     - 2.4.1 MULTI-UNIT OPERATION AND STAGING SHALL BE MANAGED BY THE DCCO SYSTEM.
     - 2.4.2 THE CRAC UNIT ONBOARD CONTROLS FOR EACH UNIT SHALL BE SET UP FOR STANDALONE OPERATION, WITH MANUFACTURER'S TEAMWORK MODES AND LEAD-LAG CONTROLS DISABLED.
     - 2.4.3 DCCO SYSTEM SHALL AUTOMATICALLY MANAGE UNIT STAGING AND REDUNDANT OPERATION, AS WELL AS MOST EFFICIENT SPACE CONDITIONING OPERATION.
     - 2.4.4 DCCO SYSTEM SHALL AUTOMATICALLY ROTATE LEAD/LAG DUTY FOR CONNECTED UNITS.
   - 2.5 SPACE MONITORING:
     - 2.5.1 THE DCC SYSTEM SHALL MONITOR THE SPACE USING DEDICATED TEMPERATURE AND HUMIDITY SENSORS. IF CONDITIONS IN THE SPACE ARE ABOVE OR BELOW THE ALLOWABLE CONDITIONS (USER ADJUSTABLE MIN AND MAX SETPOINTS FOR TEMPERATURE AND HUMIDITY) FOR 5 MIN. (ADJUSTABLE) OR MORE, AN ALARM SHALL BE INITIATED ON THE DDC SYSTEM.
   - 2.6 FIRE ALARM SHUTDOWN: THE HVAC SYSTEM SHALL BE DEACTIVATED ON A FIRE ALARM SIGNAL FROM THE BUILDING FIRE ALARM SYSTEM (INCLUDING THE CLEAN AGENT SUPPRESSION SYSTEM SERVING THE MCR). THIS SHALL BE DONE THROUGH AN INTER-LOCKING SAFETY RELAY THAT REMOVES CONTROL POWER TO THE DDC.
     - 2.6.1 FAN(S) SHALL BE DEACTIVATED.
     - 2.6.2 COMPRESSORS(S) SHALL BE DEACTIVATED.
   - 2.7 EMERGENCY SHUTDOWN: THE CRAC UNITS WILL BE DEACTIVATED IF ANY OF THE EMERGENCY POWER-OFF (EPO) BUTTON(S) IN THE MCR ARE ACTIVATED.
   - 2.8 HUMIDITY AND TEMPERATURE LIMITS
     - 2.8.1 SPACE TEMPERATURE (EXCLUDING HOT AISLE CONTAINMENT): <85°F
     - 2.8.2 HUMIDITY RANGE: 30-60% RH (NON-CONDENSING)
     - 2.8.3 SUPPLY AIR TEMPERATURE: 64-81°F
     - 2.8.4 RACK INLET TEMPERATURE RANGE: 72-80.6°F
     - 2.8.5 RACK DISCHARGE TEMPERATURE: <106°F (1-2 RACKS <108°F ACCEPTABLE)
3. COMPUTER ROOM AIR CONDITIONING UNIT — ENTRANCE ROOM SPACES
   - 3.1 DESCRIPTION: COMPUTER ROOM AIR CONDITIONING UNITS SHALL OPERATE USING MANUFACTURER'S PREPROGRAMMED SEQUENCES TO CONTROL SPACE TEMPERATURE TO SETPOINT.
   - 3.2 SPACE CONDITIONING: THE CRAC UNITS SHALL OPERATE USING MANUFACTURER'S PRE-PROGRAMMED SEQUENCES TO HEAT, COOL, HUMIDIFY, AND DE-HUMIDIFY THE SPACE TO MAINTAIN SPACE CONDITION REQUIREMENTS SPECIFIED FOR THE DATA CENTER EQUIPMENT AT ALL TIMES.
   - 3.3 MULTI-UNIT OPERATION AND STAGING:
     - 3.3.1 MULTI-UNIT OPERATION AND STAGING SHALL BE MANAGED BY THE CRAC SYSTEM CONTROLS.
     - 3.3.2 THE CRAC UNIT ONBOARD CONTROLS FOR EACH UNIT SHALL BE SET UP FOR STANDALONE OPERATION, WITH MANUFACTURER'S TEAMWORK MODES AND LEAD-LAG CONTROLS ENABLED.
     - 3.3.3 CRAC SYSTEM CONTROLS SHALL AUTOMATICALLY MANAGE UNIT STAGING AND REDUNDANT OPERATION, AS WELL AS MOST EFFICIENT SPACE CONDITIONING OPERATION.
     - 3.3.4 CRAC SYSTEM CONTROLS SHALL AUTOMATICALLY ROTATE LEAD/LAG DUTY FOR CONNECTED UNITS.
   - 3.4 SPACE MONITORING:
     - 3.4.1 THE DDC SYSTEM SHALL MONITOR THE SPACE USING DEDICATED TEMPERATURE AND HUMIDITY SENSORS. IF CONDITIONS IN THE SPACE ARE ABOVE OR BELOW THE ALLOWABLE CONDITIONS (USER ADJUSTABLE MIN AND MAX SETPOINTS FOR TEMPERATURE AND HUMIDITY) FOR 5 MIN. (ADJUSTABLE) OR MORE, AN ALARM SHALL BE INITIATED ON THE DDC SYSTEM.
   - 3.5 FIRE SHUTDOWN: THE HVAC SYSTEM WILL SHUTDOWN ON A FIRE ALARM SIGNAL FROM THE BUILDING FIRE ALARM SYSTEM. THIS IS DONE THRU AN INTERLOCKING SAFETY RELAY THAT REMOVES CONTROL POWER TO THE DDC.
     - 3.5.1 FAN(S) SHALL BE DEACTIVATED.
     - 3.5.2 COMPRESSORS(S) SHALL BE DEACTIVATED.
   - 3.6 HUMIDITY SENSOR AND TEMPERATURE SENSORS
     - 3.6.1 DDC MONITORING (TE): DDC SHALL MONITOR AND TREND THE ROOM TEMPERATURE.
     - 3.6.2 DDC MONITORING (HE): DDC SHALL MONITOR AND TREND THE ROOM RELATIVE HUMIDITY.
     - 3.6.3 ALARM: TEMPERATURE SENSOR (TE): DDC ALARM SHALL BE TRIGGERED IF TEMPERATURE IS OUTSIDE ALLOWABLE RANGE BY 2°F FOR MORE THAN 5 MINUTES.
     - 3.6.4 ALARM: HUMIDITY SENSOR (HE): DDC TO MONITOR RELATIVE HUMIDITY AND SEND AN ALARM IF HUMIDITY IS OUTSIDE ALLOWABLE RANGE BY 2% FOR MORE THAN 5 MINUTES.
   - 3.7 HUMIDITY AND TEMPERATURE LIMITS
     - 3.7.1 HUMIDITY RANGE: 30-60% RH (NON-CONDENSING)
     - 3.7.2 SUPPLY AIR TEMPERATURE: 64-81°F
     - 3.7.3 RACK INLET TEMPERATURE RANGE: 72-80.6°F
4. MINI SPLIT SYSTEMS — TR/TE SPACES
   - 4.1 DESCRIPTION: MINI SPLIT UNITS SHALL OPERATE USING MANUFACTURER'S PREPROGRAMMED SEQUENCES TO CONTROL SPACE TEMPERATURE TO SETPOINT.
   - 4.2 SPACE CONDITIONING: MINI SPLIT UNITS SHALL RECEIVE TEMPERATURE SETPOINTS FROM THE BUILDING DDC SYSTEM. THE UNITS SHALL USING MANUFACTURER'S PREPROGRAMMED SEQUENCES TO HEAT AND COOL THE SPACE TO MAINTAIN CONDITION REQUIREMENTS SPECIFIED FOR THE DATA EQUIPMENT AT ALL TIMES.
   - 4.3 SPACE CONDITION MONITORING: THE DDC SHALL MONITOR THE ROOM SPACE USING WALL MOUNTED HUMIDITY AND TEMPERATURE SENSORS. IF CONDITIONS IN THE ROOM SPACE ARE ABOVE OR BELOW THE ALLOWABLE CONDITIONS (USER ADJUSTABLE MIN AND MAX SEPOINTS FOR TEMPERATURE AND HUMIDITY) FOR 5 MIN (ADJUSTABLE) OR MORE. AN ALARM SHALL BE INITIATED ON THE DDC SYSTEM.
   - 4.4 FIRE SHUTDOWN: THE HVAC SYSTEM WILL SHUTDOWN ON A FIRE ALARM SIGNAL FROM THE BUILDING FIRE ALARM SYSTEM. THIS IS DONE THRU AN INTERLOCKING SAFETY RELAY THAT REMOVES CONTROL POWER TO THE DDC.
     - 4.4.1 FAN(S) SHALL BE DEACTIVATED.
     - 4.4.2 COMPRESSORS(S) SHALL BE DEACTIVATED.
   - 4.5 HUMIDITY SENSOR AND TEMPERATURE SENSORS
     - 4.5.1 DDC MONITORING (TE): DDC SHALL MONITOR AND TREND THE ROOM TEMPERATURE.
     - 4.5.2 DDC MONITORING (HE): DDC SHALL MONITOR AND TREND THE ROOM RELATIVE HUMIDITY.
     - 4.5.3 ALARM: TEMPERATURE SENSOR (TE): DDC ALARM SHALL BE TRIGGERED IF TEMPERATURE IS OUTSIDE ALLOWABLE RANGE BY 2°F FOR MORE THAN 5 MINUTES.
     - 4.5.4 ALARM: HUMIDITY SENSOR (HE): DDC TO MONITOR RELATIVE HUMIDITY AND SEND AN ALARM IF HUMIDITY IS OUTSIDE ALLOWABLE RANGE BY 2% FOR MORE THAN 5 MINUTES.
   - 4.6 HUMIDITY AND TEMPERATURE LIMITS
     - 4.6.1 SPACE TEMPERATURE: 64-81°F
     - 4.6.2 HUMIDITY RANGE: 8-80% RH (NON-CONDENSING)
     - 4.6.3 RACK INLET TEMPERATURE RANGE: 41-95°F
5. VARIABLE REFRIGERANT FLOW (VRF) SYSTEMS — OFFICE SPACES
   - 5.1 DESCRIPTION: VARIABLE REFRIGERANT FLOW SYSTEMS SHALL OPERATE USING MANUFACTURER'S PREPROGRAMMED SEQUENCES TO CONTROL SPACE TEMPERATURE TO SETPOINT.
   - 5.2 SETPOINTS: VRF UNITS SHALL RECEIVE TEMPERATURE SETPOINTS FROM THE BUILDING DDC SYSTEM.
   - 5.3 SPACE CONDITION MONITORING:
     - 5.3.1 TEMPERATURE AND OCCUPANCY SENSORS SHALL BE PROVIDED AS PART OF THE VRF SYSTEM. THE DDC SYSTEM SHALL MONITOR THE ROOM TEMPERATURE AND OCCUPANCY VIA THE DDC INTERFACE WITH THE VRF SYSTEM CONTROLS.
     - 5.3.2 IF CONDITIONS IN THE SPACE ARE ABOVE OR BELOW THE ALLOWABLE CONDITIONS (USER ADJUSTABLE MIN AND MAX SEPOINTS FOR TEMPERATURE) FOR 5 MIN (ADJUSTABLE) OR MORE, AN ALARM SHALL BE INITIATED ON THE DDC SYSTEM.
   - 5.4 OCCUPIED MODE
     - 5.4.1 VRF SYSTEM OPERATION SHALL BE ENABLED.
     - 5.4.2 VRF SYSTEM SHALL OPERATE USING MANUFACTURER'S PREPROGRAMMED SEQUENCES TO CONTROL SPACE TEMPERATURE TO OCCUPIED SETPOINT.
     - 5.4.3 VRF SYSTEM SHALL DEACTIVATE WHEN SPACE TEMPERATURE SETPOINT IS SATISFIED.
     - 5.4.4 FOR SPACES WITH OCCUPANCY SENSORS, THE VRF INDOOR UNIT SERVING THAT SPACE SHALL BE ENABLED WHEN SPACE IS OCCUPIED AND SHALL BE DEACTIVATED WHEN SPACE IS UNOCCUPIED, EVEN WHEN THE SYSTEM IS IN OCCUPIED MODE.
     - 5.4.5 WHERE A SINGLE VRF INDOOR UNIT SERVES MULTIPLE SPACES, IF AN OCCUPANCY SENSOR IN ANY OF THE CONNECTED SPACES IS ACTIVATED, THE UNIT SHALL BE ENABLED. THE UNIT SHALL BE DISABLED WHEN ALL CONNECTED SPACES ARE UNOCCUPIED, EVEN WHEN SYSTEM IS IN OCCUPIED MODE.
   - 5.5 UNOCCUPIED MODE
     - 5.5.1 VRF SYSTEM OPERATION SHALL BE ENABLED.
     - 5.5.2 ON CALL FOR UNOCCUPIED HEATING OR COOLING, THE VRF SYSTEM SHALL ACTIVATE TO CONTROL SPACE TEMPERATURE TO UNOCCUPIED SETPOINT.
     - 5.5.3 WHEN UNOCCUPIED HEATING OR COOLING IS NOT REQUIRED, VRF SYSTEM SHALL DEACTIVATE.
   - 5.6 TEMPORARY OVERRIDE MODE
     - 5.6.1 VRF SYSTEM SHALL OPERATE IN OCCUPIED MODE WHEN TEMPORARY OVERRIDE IS ACTIVATED AT A ZONE SENSOR LOCATION.
   - 5.7 FIRE SHUTDOWN: THE HVAC SYSTEM WILL SHUTDOWN ON A FIRE ALARM SIGNAL FROM THE BUILDING FIRE ALARM SYSTEM. THIS IS DONE THRU AN INTERLOCKING SAFETY RELAY THAT REMOVES CONTROL POWER TO THE DDC.
     - 5.7.1 FAN(S) SHALL BE DEACTIVATED.
     - 5.7.2 COMPRESSORS(S) SHALL BE DEACTIVATED.
   - 5.8 TEMPERATURE SENSORS
     - 5.8.1 DDC MONITORING (T): DDC TO MONITOR AND TREND THE ROOM TEMPERATURE.
     - 5.8.2 ALARM: TEMPERATURE SENSOR (T): DDC TO MONITOR TEMPERATURE AND SEND AN ALARM IF TEMPERATURE EXCEEDS TEMPERATURE SETPOINT BY 5°F FOR MORE THAN 5 MINUTES (USER ADJUSTABLE FOR TIME AND VALUE OUTSIDE RANGE).
   - 5.9 OCCUPANCY SENSORS
     - 5.9.1 SPACES WITH A SINGLE VRF INDOOR UNIT SERVING A SINGLE SPACE SHALL BE PROVIDED WITH AN OCCUPANCY SENSOR DEDICATED TO THE VRF SYSTEM, OR AN INTERLOCK WITH THE LIGHTING OCCUPANCY SENSOR MAY BE UTILIZED TO TRIGGER VRF UNIT OPERATION WHEN OCCUPANCY IS DETECTED AND SYSTEM IS IN OCCUPIED MODE.
   - 5.10 SETPOINTS
     - 5.10.1 OCCUPIED MODE
       - 5.10.1.1 HEATING: 70°F
       - 5.10.1.2 COOLING: 75°F
     - 5.10.2 UNOCCUPIED MODE
       - 5.10.2.1 HEATING: 65°F
       - 5.10.2.2 COOLING: 78°F
6. DEDICATED OUTDOOR AIR SYSTEM (DOAS) — OFFICE SPACES
   - 6.1 GENERAL
     - 6.1.1 DEDICATED OUTDOOR AIR SYSTEM UNIT SHALL PROVIDE NEUTRAL-TEMPERATURE OUTDOOR AIR TO ZONE.
     - 6.1.2 OCCUPIED/UNOCCUPIED MODE FOR DOAS SYSTEM SHALL BE THE SAME AS THE VRF SYSTEM. THE DOAS SYSTEM MODE SHALL MIRROR THAT OF THE VRF SYSTEM, INCLUDING MANUALLY TRIGGERED OVERRIDES.
   - 6.2 OCCUPIED MODE:
     - 6.2.1 FANS SHALL BE ACTIVATED.
     - 6.2.2 OUTSIDE AIR AND EXHAUST DAMPERS SHALL BE CLOSED.
     - 6.2.3 DUCT HEATER SHALL BE ENABLED WHEN OUTSIDE AIR TEMPERATURE IS LESS THAN VENTILATION SUPPLY AIR TEMPERATURE SETPOINT. HEATER SHALL ACTIVATE AS REQUIRED TO CONTROL VENTILATION SUPPLY AIR TEMPERATURE TO SETPOINT.
   - 6.3 UNOCCUPIED MODE:
     - 6.3.1 FANS SHALL BE DEACTIVATED.
     - 6.3.2 OUTSIDE AIR AND EXHAUST DAMPERS SHALL BE CLOSED.
     - 6.3.3 DUCT HEATER WILL BE DISABLED.
   - 6.4 TEMPORARY OVERRIDE MODE
     - 6.4.1 DOAS SYSTEM SHALL OPERATE IN OCCUPIED MODE WHEN TEMPORARY OVERRIDE IS ACTIVATED AT A ZONE SENSOR LOCATION.
   - 6.5 FIRE SHUTDOWN: THE HVAC SYSTEM WILL SHUTDOWN ON A FIRE ALARM SIGNAL FROM THE BUILDING FIRE ALARM SYSTEM. THIS IS DONE THRU AN INTERLOCKING SAFETY RELAY THAT REMOVES CONTROL POWER TO THE DDC.
     - 6.5.1 FAN(S) SHALL BE DEACTIVATED.
     - 6.5.2 OUTSIDE AIR AND EXHAUST DAMPERS SHALL BE CLOSED.
     - 6.5.3 DUCT HEATER WILL BE DISABLED.
   - 6.6 TEMPERATURE SENSOR
     - 6.6.1 DDC MONITORING (T): DDC TO MONITOR AND TREND THE ROOM TEMPERATURE.
     - 6.6.2 ALARM: TEMPERATURE SENSOR (T): DDC TO MONITOR TEMPERATURE AND SEND AN ALARM IF TEMPERATURE EXCEEDS TEMPERATURE SETPOINT BY 5°F FOR MORE THAN 5 MINUTES (USER ADJUSTABLE FOR TIME AND VALUE OUTSIDE RANGE).
   - 6.7 SEPOINTS
     - 6.7.1 VENTILATION SUPPLY AIR: 70°F
7. LIQUID LEAK DETECTORS
   - 7.1 DDC SYSTEM SHALL MONITOR LEAK DETECTORS. AN ALARM SHALL BE TRIGGERED IF LEAKAGE IS DETECTED.
8. REFRIGERANT DETECTORS
   - 8.1 DESCRIPTION: PROVIDE REFRIGERANT LEAK DETECTION FOR THE FOLLOWING AREAS.
     - 8.1.1 MCR
     - 8.1.2 ENTRANCE ROOMS
     - 8.1.3 AREAS WITH VRF SYSTEMS
   - 8.2 SENSORS
     - 8.2.1 SENSORS SHALL MONITOR REFRIGERANT LEVELS IN SPACE.
     - 8.2.2 SENSORS SHALL BE SELECTED AND LOCATED TO MATCH ALL REFRIGERANTS UTILIZED IN EACH MONITORED SPACE.
   - 8.3 SENSOR MONITORING
     - 8.3.1 THE DDC SHALL SENSORS AND SHALL TRIGGER ALARM IF REFRIGERANT LEVELS ABOVE ALLOWABLE THRESHOLD ARE DETECTED.
   - 8.4 ALARMS
     - 8.4.1 PROVIDE VISUAL AND AUDIBLE ALARM IN SPACES WHEN ALARM IS TRIGGERED, ALONG WITH ALARM ON DDC SYSTEM.
9. UPS UNITS
   - 9.1 DDC SHALL MONITOR UPS UNITS.
10. UNIT HEATERS
    - 10.1 UNIT HEATERS SHALL ACTIVATE BASED ON INTEGRAL THERMOSTAT TO CONTROL SPACE TEMPERATURE TO SETPOINT.
    - 10.2 DDC SHALL MONITOR UNIT HEATER STATUS AND ASSOCIATED SPACE TEMPERATURE.
11. RADON MITIGATION FAN SYSTEMS
    - 11.1 DDC SHALL MONITOR RADON MITIGATION FAN SYSTEMS INCLUDING FAN STATUS AND INLET/OUTLET PRESSURE. INITIATE AN ALARM IF FAN STATUS IS OFF OR IF INLET OR OUTLET PRESSURE IS ABOVE OR BELOW SETPOINT.
    - 11.2 INLET/OUTLET PRESSURE SETPOINTS SHALL BE ESTABLISHED DURING SYSTEM STARTUP.
12. FACILITY FUEL SYSTEMS
    - 12.1 FACILITY FUEL SYSTEMS AND GENERATORS SHALL OPERATE USING THEIR MANUFACTURER'S STANDALONE CONTROLS. THESE SYSTEMS SHALL BE MONITORED BY THE FACILITY DDC SYSTEM.
    - 12.2 FUEL LEVELS AND LEAK DETECTION SHALL BE MONITORED THROUGH THE FUEL SYSTEM MONITORING & LEAK DETECTION PANEL.
    - 12.3 FUEL PIPING SYSTEMS
      - 12.3.1.1 DDC SHALL MONITOR & ALARM ALL LEAK DETECTION POINTS.
    - 12.4 FUEL TANK
      - 12.4.1 PROVIDE MONITORING & ALARMS ON DDC FOR THE FOLLOWING:
        - 12.4.1.1 FUEL TANK CRITICAL LOW LEVEL.
        - 12.4.1.2 FUEL TANK LOW LEVEL.
        - 12.4.1.3 FUEL TANK HIGH LEVEL.
        - 12.4.1.4 FUEL TANK CRITICAL HIGH LEVEL
        - 12.4.1.5 FUEL TANK LEAK DETECTION.
        - 12.4.1.6 FILL PORT SPILL/LEAK DETECTION.
    - 12.5 DAY TANK
      - 12.5.1 INTEGRATE ALL AVAILABLE POINTS FROM DAY TANK CONTROLLER INTO DDC SYSTEM.
      - 12.5.2 PROVIDE MONITORING AND ALARMS ON DDC FOR THE FOLLOWING:
        - 12.5.2.1 DAY TANK GENERAL ALARM.
        - 12.5.2.2 DAY TANK CRITICAL HIGH LEVEL.
        - 12.5.2.3 DAY TANK HIGH LEVEL.
        - 12.5.2.4 DAY TANK LOW LEVEL.
        - 12.5.2.5 DAY TANK CRITICAL LOW LEVEL.
        - 12.5.2.6 FUEL TANK LEAK DETECTION.
        - 12.5.2.7 FUELRETURN PUMP STATUS & RUN-TIME.
    - 12.6 FUEL PUMPS
      - 12.6.1 MONITOR PUMP STATUS AND RUNTIME.
      - 12.6.2 INTEGRATE PUMP PACKAGE CONTROLLER POINTS INTO DDC SYSTEM.
      - 12.6.3 MONITOR CONTROLLER GENERAL ALARM.

Revisions:	Date:

CONSULTANT
CONSULTANT

ARCHITECT/ENGINEER OF RECORD
A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM
GDM ARCHITECTS - ENGINEERS

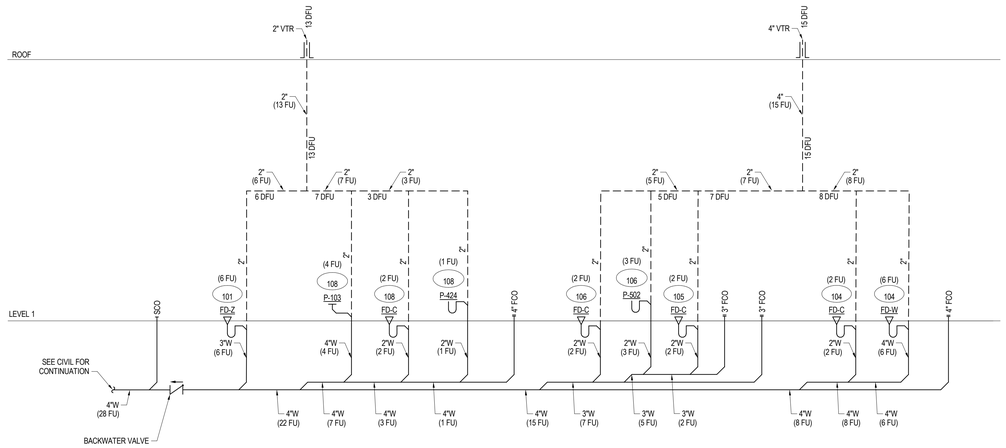
STAMP
STATE OF ALASKA 49TH
SCOTTEN BLAIR
ME-132203
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)
VA U.S. Department of Veterans Affairs

DRAWING TITLE	CONTROLS INFORMATION
PHASE	100% CONSTRUCTION DOCUMENTS
PROJECT TITLE	ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME
PROJECT NUMBER	402-22-700
BUILDING NUMBER	
APPROVED:	
FLS	FULLY SPRINKLERED
LOCATION	TOGUS VA MEDICAL CENTER
ISSUE DATE	NOVEMBER 10, 2025
CHECKED BY	JB
DRAWN BY	ADF
DRAWING NUMBER	MH-007

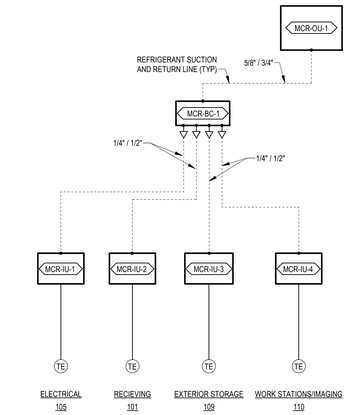
11/7/2025 12:55:36 PM
Autodesk Docs://22117_VA Medical Center - Togus ME/22-055 Togus EHRM_Mechanical - 2025.rvt
VA FORM 08 - 6231

REISSUED 02-18-2026



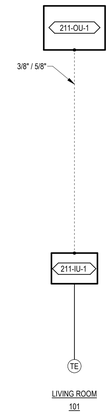
3 MCR WASTE DIAGRAM

N.T.S.



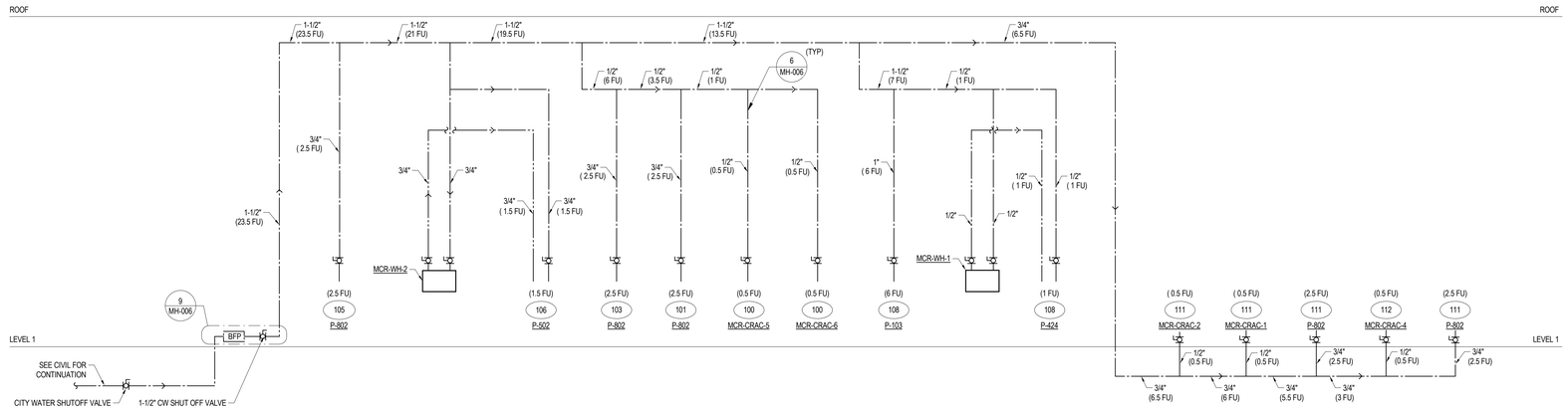
4 MCR VRF SYSTEM DIAGRAM

N.T.S.



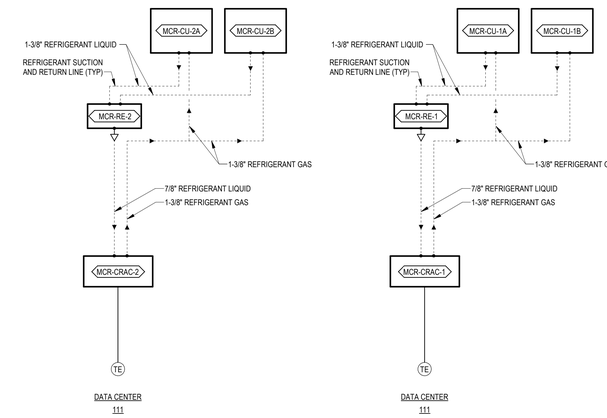
5 BUILDING 211 SPLIT SYSTEM DIAGRAM

N.T.S.



1 MCR DOMESTIC WATER DIAGRAM

N.T.S.



2 MCR DATA CENTER CRAC UNIT SYSTEM DIAGRAM

N.T.S.

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E

GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49TH
SCOTTEN BLAIR
ME-132203
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

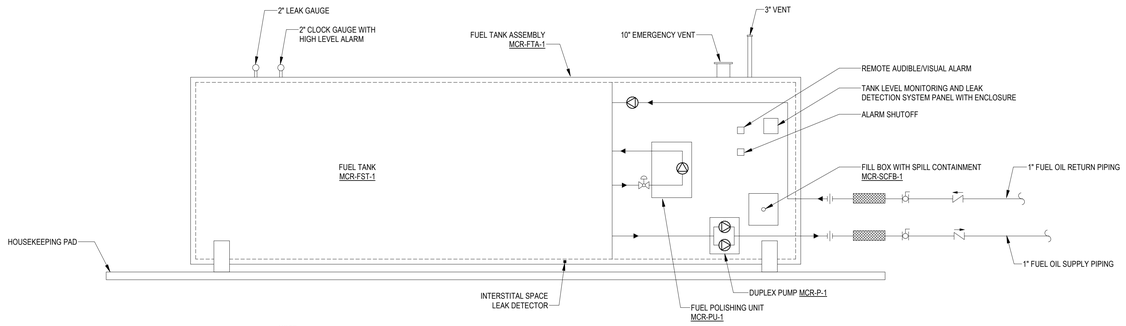
VA U.S. Department of Veterans Affairs

DRAWING TITLE: DIAGRAMS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	BUILDING NUMBER:
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: ADF	DRAWING NUMBER: MH-008

REISSUED 02-18-2026

VA FORM 08 - 6231

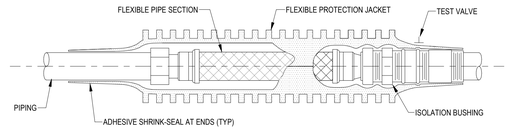
Autodesk Docs://22117_VA Medical Center - Togus ME\22-055 Togus EHRM_Mechanical - 2025.rvt 11/7/2025 12:55:37 PM



NOTE:
1. BASIS OF DESIGN FUEL TANK PACKAGE INCLUDES TANK, PUMPS, FUEL POLISHING SYSTEM, CONTROL & MONITORING SYSTEM, AND SINGLE-POINT POWER FOR ALL COMPONENTS IN THE PACKAGE. AT CONTRACTOR OPTION, REQUIRED COMPONENTS MAY ALSO BE PROVIDED SEPERATELY. IF PROVIDED SEPARATELY, CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR TO PROVIDE ALL REQUIRED ELECTRICAL AND CONTROL CONNECTIONS REQUIRED FOR SYSTEM FUNCTION

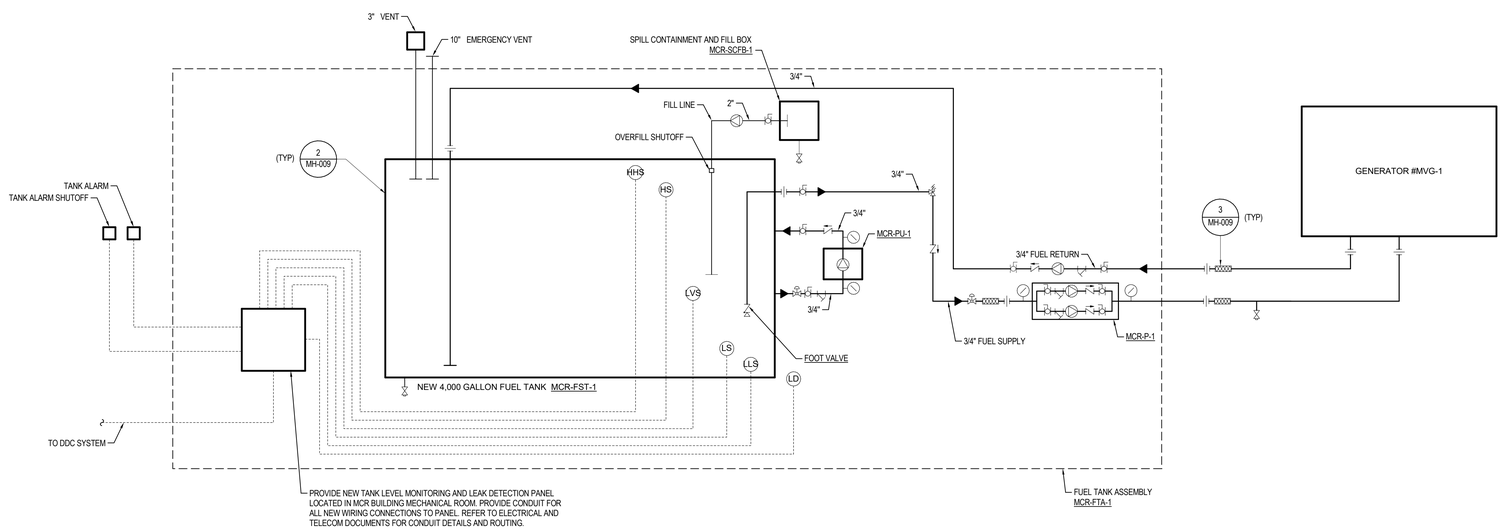
2 FUEL STORAGE TANK ASSEMBLY DETAIL

N.T.S.



3 TYPICAL FLEXIBLE PIPE DETAIL

N.T.S.



1 FUEL OIL PIPING DIAGRAM

N.T.S.

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: DIAGRAMS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	BUILDING NUMBER:
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: ADF	DRAWING NUMBER: MH-009

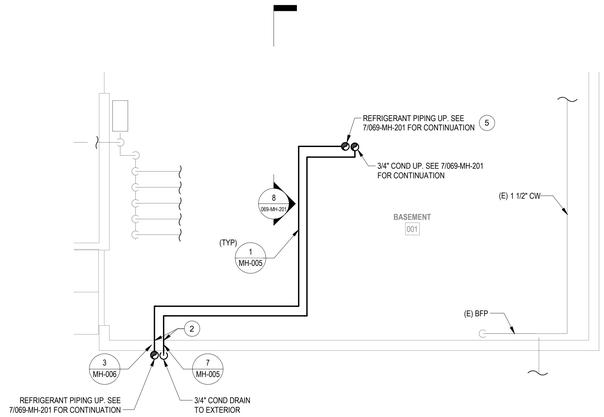
REISSUED 02-18-2026

VA FORM 08 - 6231

Autodesk Docs://22117_VA Medical Center - Togus ME/22-065 Togus EHRM_Mechanical - 2025.rvt 11/7/2025 12:56:37 PM

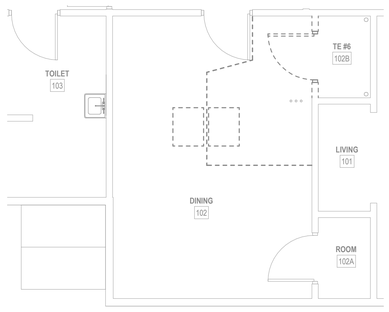
PLAN NOTES

1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
3. REFER TO CIVIL DETAIL SHEET 00-CU-304 FOR MECHANICAL EQUIPMENT PAD MOUNTING DETAIL.
4. REFER TO ARCHITECTURAL DETAIL 1/00-GI-012 FOR OUTDOOR MECHANICAL UNIT PROTECTION DETAIL.
5. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
6. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
7. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.



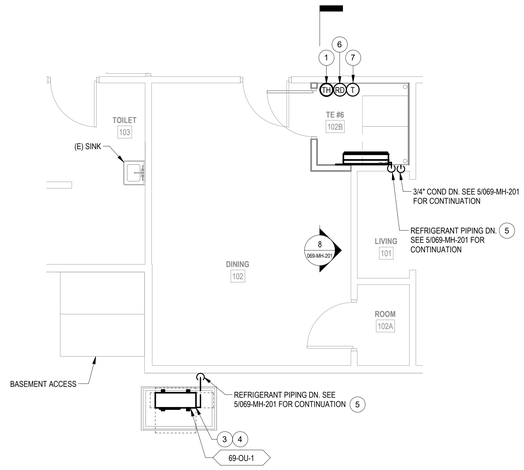
5 BASEMENT 102B TR#6 HVAC PLAN

1/4" = 1'-0"



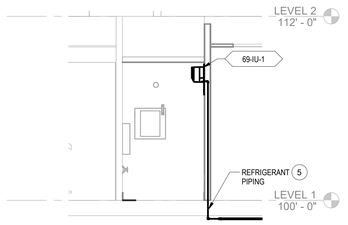
6 LEVEL 1 102B TR #6 HVAC DEMOLITION PLAN

1/4" = 1'-0"



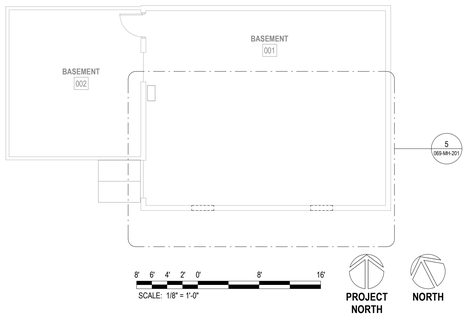
7 LEVEL 1 102B TR #6 HVAC PLAN

1/4" = 1'-0"



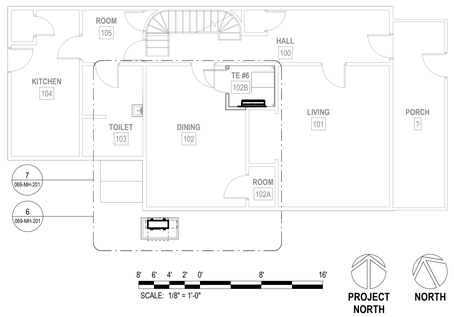
8 BUILDING 69 SECTION 1

1/4" = 1'-0"



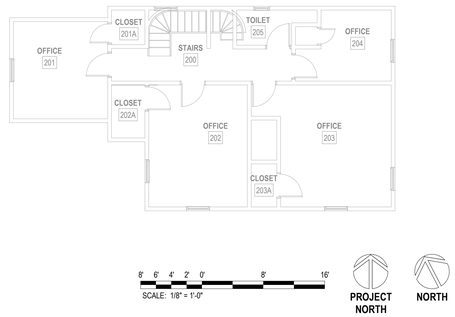
1 BASEMENT HVAC PLAN

1/8" = 1'-0"



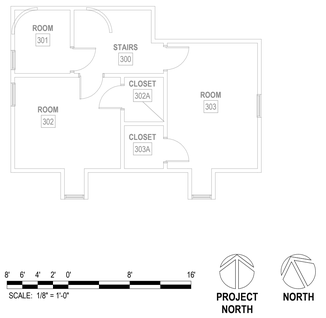
2 LEVEL 1 HVAC PLAN

1/8" = 1'-0"



3 LEVEL 2 HVAC PLAN

1/8" = 1'-0"



4 LEVEL 3 HVAC PLAN

1/8" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E

GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

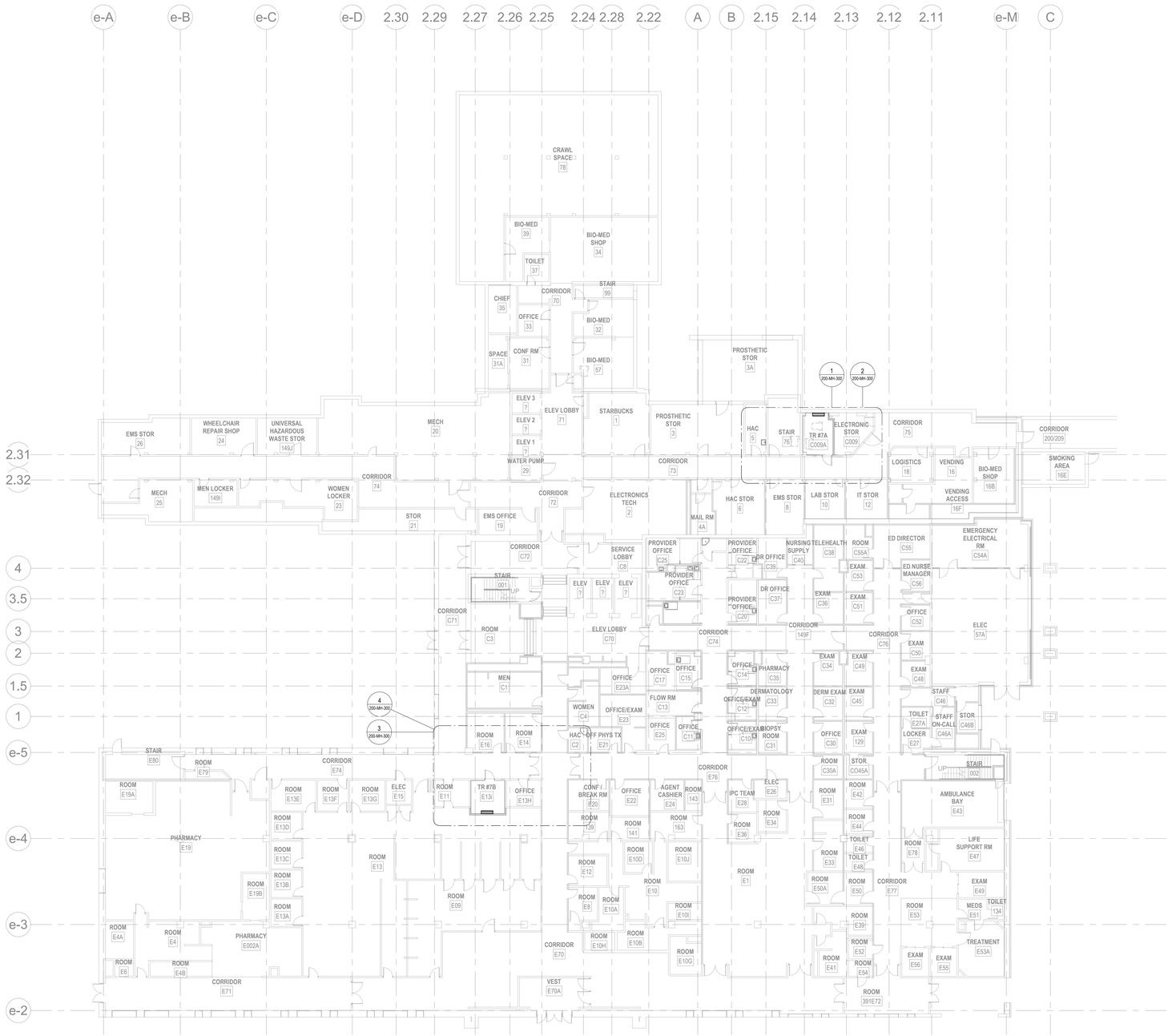
DRAWING TITLE: BUILDING 69 HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	BUILDING NUMBER: 69
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	DRAWING NUMBER: 069-MH-201

REISSUED 02-18-2026

11/6/2025 11:50:33 AM

Autodesk Docs://22117_VA Medical Center - Togus ME/22-055 Togus EHRM_B-69_Mechanical - 2025.rvt

VA FORM 08 - 6231



SCALE: 1/16" = 1'-0"

32' 16' 0' 4' 8' 12' 16'

PROJECT NORTH

NORTH

1 GROUND HVAC PLAN

1/16" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

NORTH

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E:
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR ME-13220 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 200/200E GROUND HVAC PLAN

APPROVED:

PHASE: 100% CONSTRUCTION DOCUMENTS

FLS: FULLY SPRINKLERED

PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME

LOCATION: TOGUS VA MEDICAL CENTER

ISSUE DATE: NOVEMBER 10, 2025

CHECKED BY: JB

DRAWN BY: KT

PROJECT NUMBER: 402-22-700

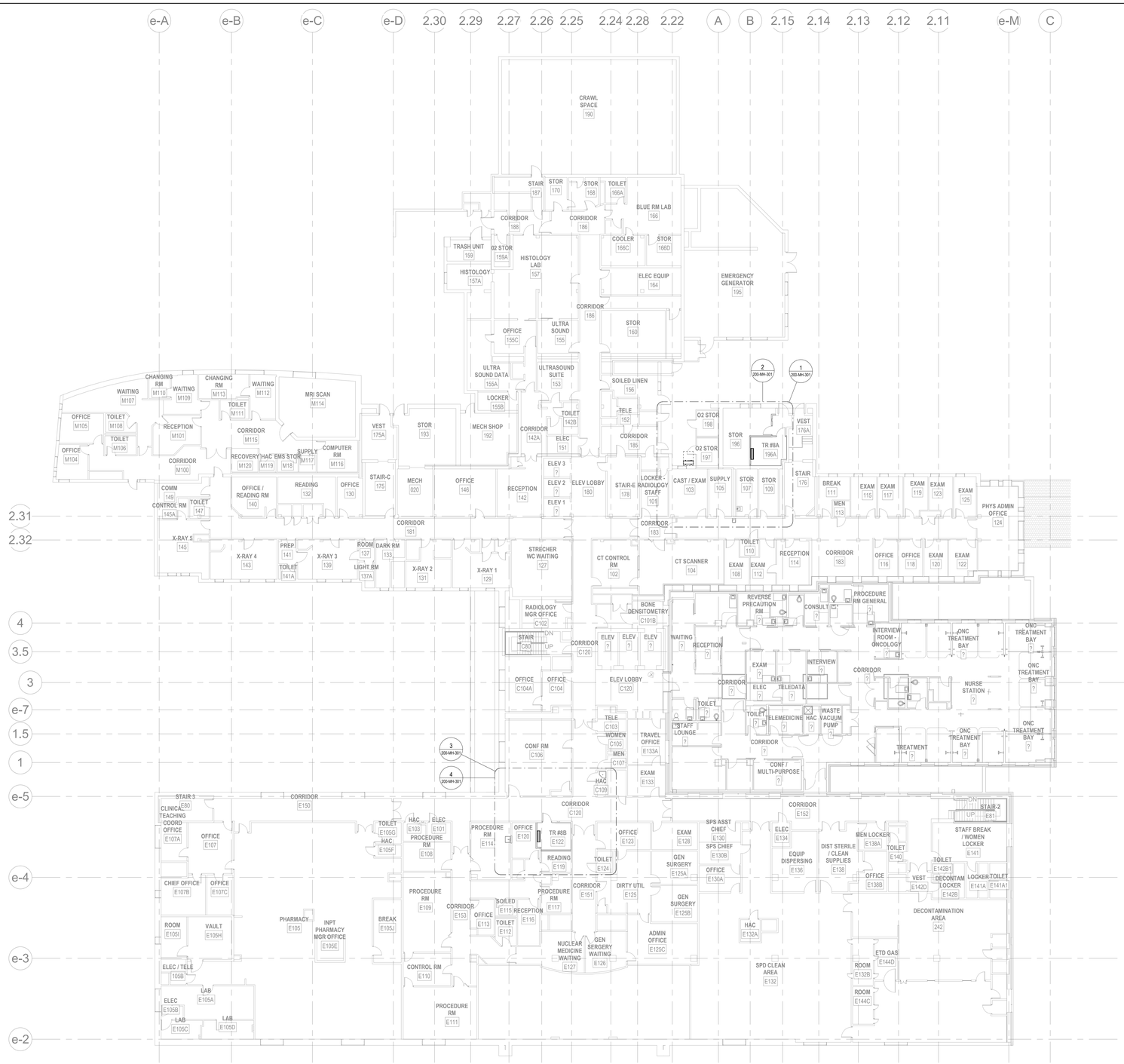
BUILDING NUMBER: 200/200E

DRAWING NUMBER: 200-MH-200

REISSUED 02-18-2026

Autodesk Docs://22117_VA Medical Center - Togus ME/22-055 Togus EHRM_B-200-200E_Mechanical - 2025.rvt
11/5/2025 7:12:15 PM

VA FORM 08 - 6231



SCALE: 1/16" = 1'-0"

32' 16' 0' 4' 8' 12' 16'

PROJECT NORTH

NORTH

1 LEVEL 1 HVAC PLAN

1/16" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

NORTH

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E:
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS • ENGINEERS

STAMP

STATE OF ALASKA 49TH
SCOTTEN BLAIR
ME-132203
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 200/200E LEVEL 1 HVAC PLAN	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	BUILDING NUMBER: 200/200E
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	DRAWING NUMBER: 200-MH-201

REISSUED 02-18-2026

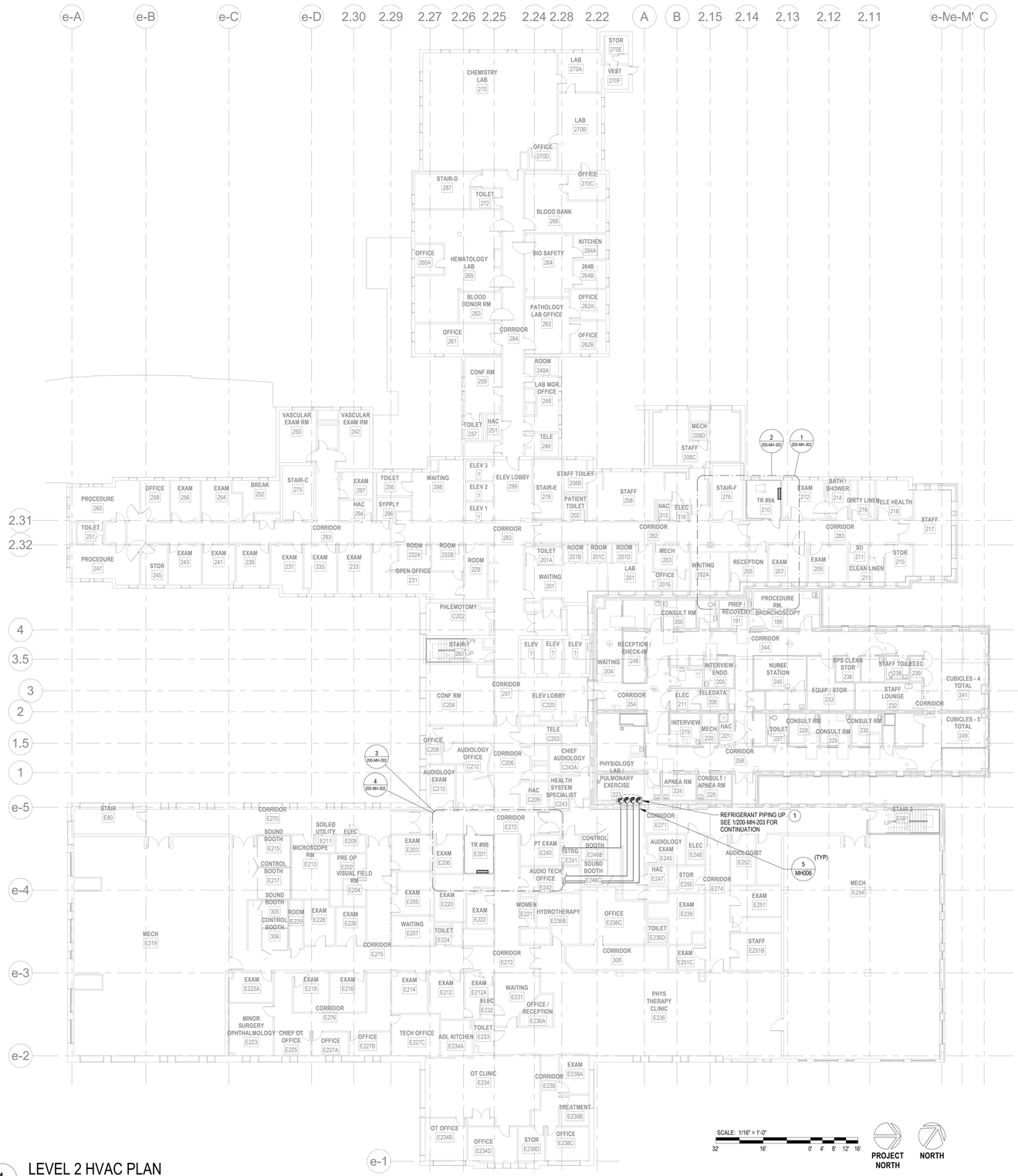
11/5/2025 7:12:19 PM

Autodesk Docs://2117_VA Medical Center - Togus ME/22-065 Togus EHRM_B-200-200E_Mechanical - 2025.rvt

VA FORM 08 - 6231

PLAN NOTES

1 REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.



SCALE: 1/16" = 1'-0"
32' 16' 0' 4' 8' 12' 16'

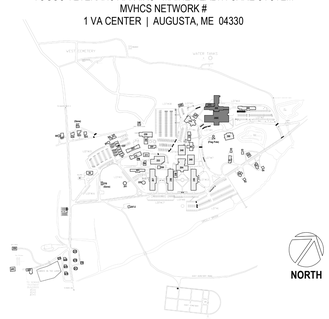
PROJECT NORTH NORTH

1 LEVEL 2 HVAC PLAN

1/16" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330



NORTH

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E:
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS · ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

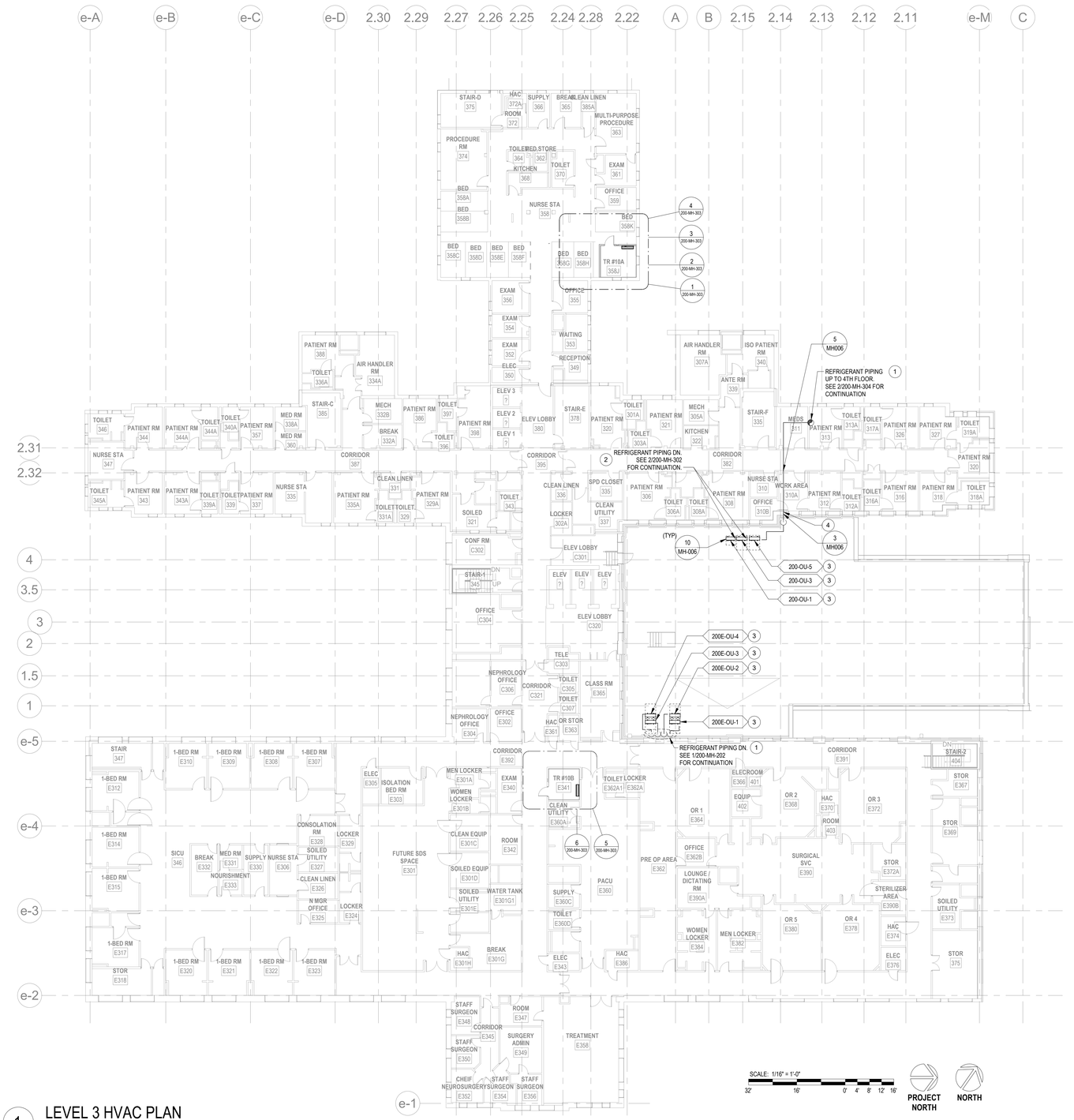
DRAWING TITLE: BUILDING 200/200E LEVEL 2 HVAC PLAN	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER: 200/200E
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: 200-MH-202
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	

REISSUED 02-18-2026

Autodesk Docs://2117_VA Medical Center - Togus ME/22-055 Togus EHRM_B-200-206E_Mechanical - 2025.rvt
11/5/2025 7:12:22 PM
VA FORM 08 - 6231

PLAN NOTES

1. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
2. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
3. REFER TO ARCHITECTURAL DETAIL 3/00-GI-012 FOR ROOF MECHANICAL EQUIPMENT MOUNTING DETAIL.
4. SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.



SCALE: 1/16" = 1'-0"

32' 16' 0' 4' 8' 12' 16'

PROJECT NORTH

NORTH

1 LEVEL 3 HVAC PLAN

1/16" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

NORTH

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E:
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS · ENGINEERS

STAMP

STATE OF ALASKA
49TH
SCOTTEN BLAIR
ME-13220
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

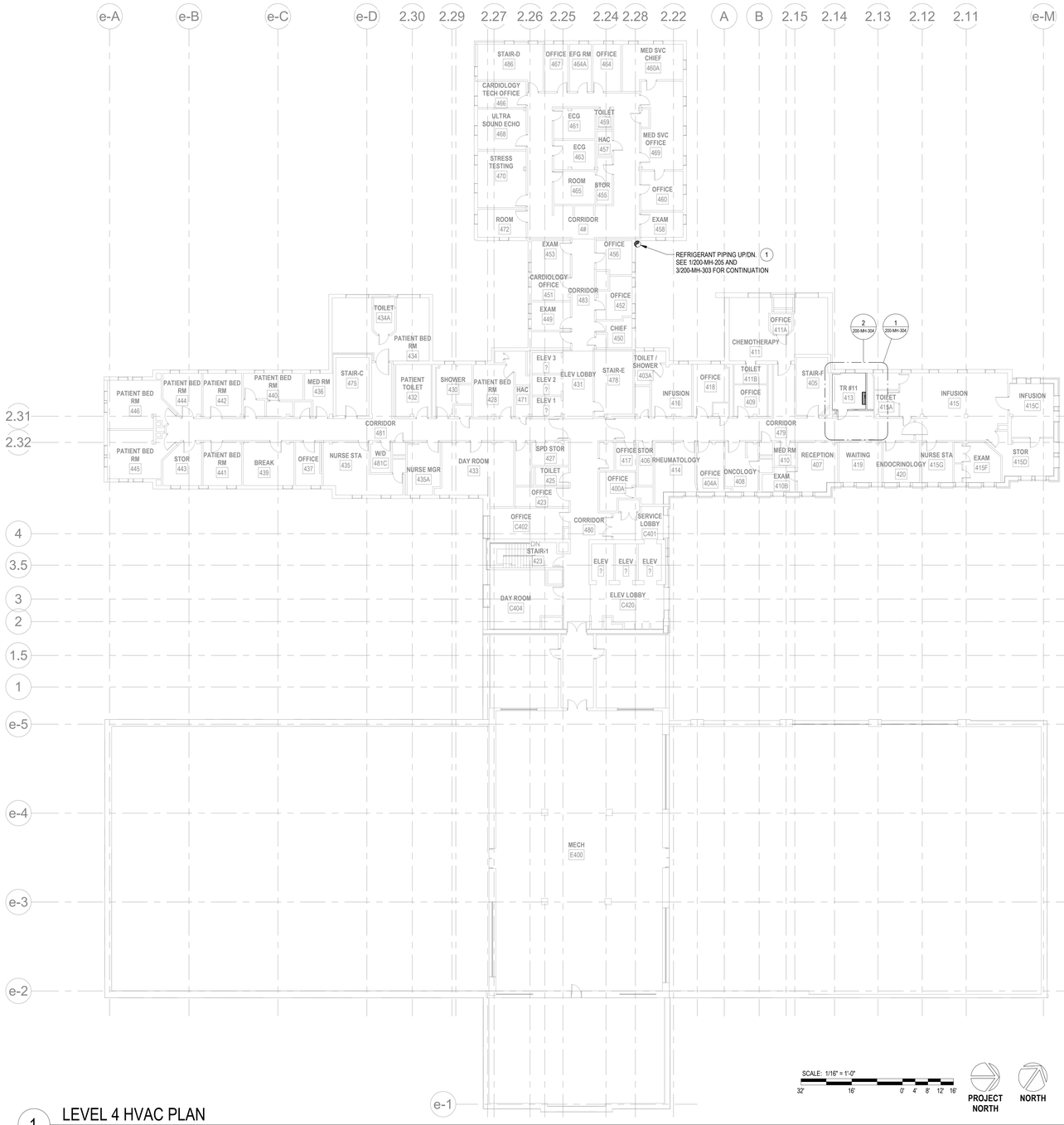
DRAWING TITLE	BUILDING 200/200E LEVEL 3 HVAC PLAN
PHASE	100% CONSTRUCTION DOCUMENTS
APPROVED:	
FLS	FULLY SPRINKLERED
PROJECT TITLE	ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME
LOCATION	TOGUS VA MEDICAL CENTER
ISSUE DATE	NOVEMBER 10, 2025
CHECKED BY	JB
DRAWN BY	KT
PROJECT NUMBER	402-22-700
BUILDING NUMBER	200/200E
DRAWING NUMBER	200-MH-203

REISSUED 02-18-2026

Autodesk Docs://22117_VA Medical Center - Togus ME\22-055 Togus EHRM_B-200-200E_Mechanical - 2025.rvt
11/5/2025 1:12:26 PM

PLAN NOTES

1 REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.



SCALE: 1/16" = 1'-0"
32' 16' 0' 4' 8' 12' 16'

PROJECT NORTH

NORTH

1 LEVEL 4 HVAC PLAN
1/16" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

NORTH

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E:
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS • ENGINEERS

STAMP

STATE OF ALASKA 49TH
SCOTTEN BLAIR
ME-132203
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 200/200E LEVEL 4 HVAC PLAN	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	BUILDING NUMBER: 200/200E
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	DRAWING NUMBER: 200-MH-204

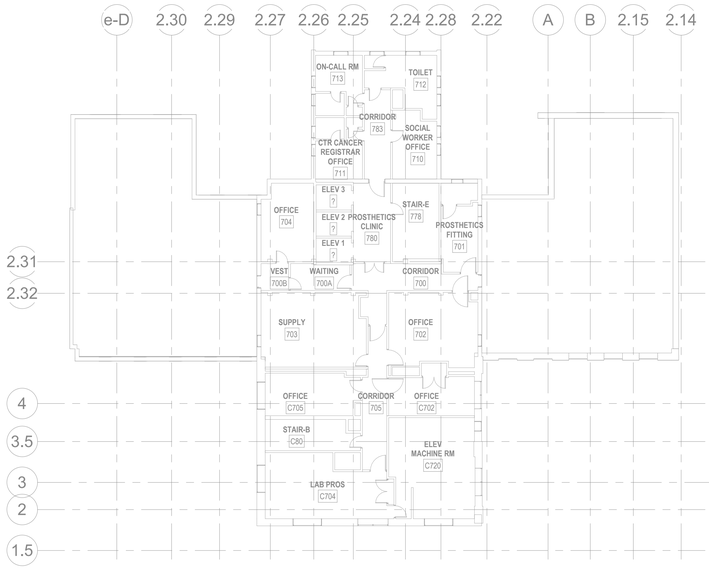
REISSUED 02-18-2026

11/5/2025 7:12:28 PM
Autodesk Docs://2117_VA Medical Center - Togus ME/22-065 Togus EHRM_B-200-200E_Mechanical - 2025.rvt

VA FORM 08 - 6231

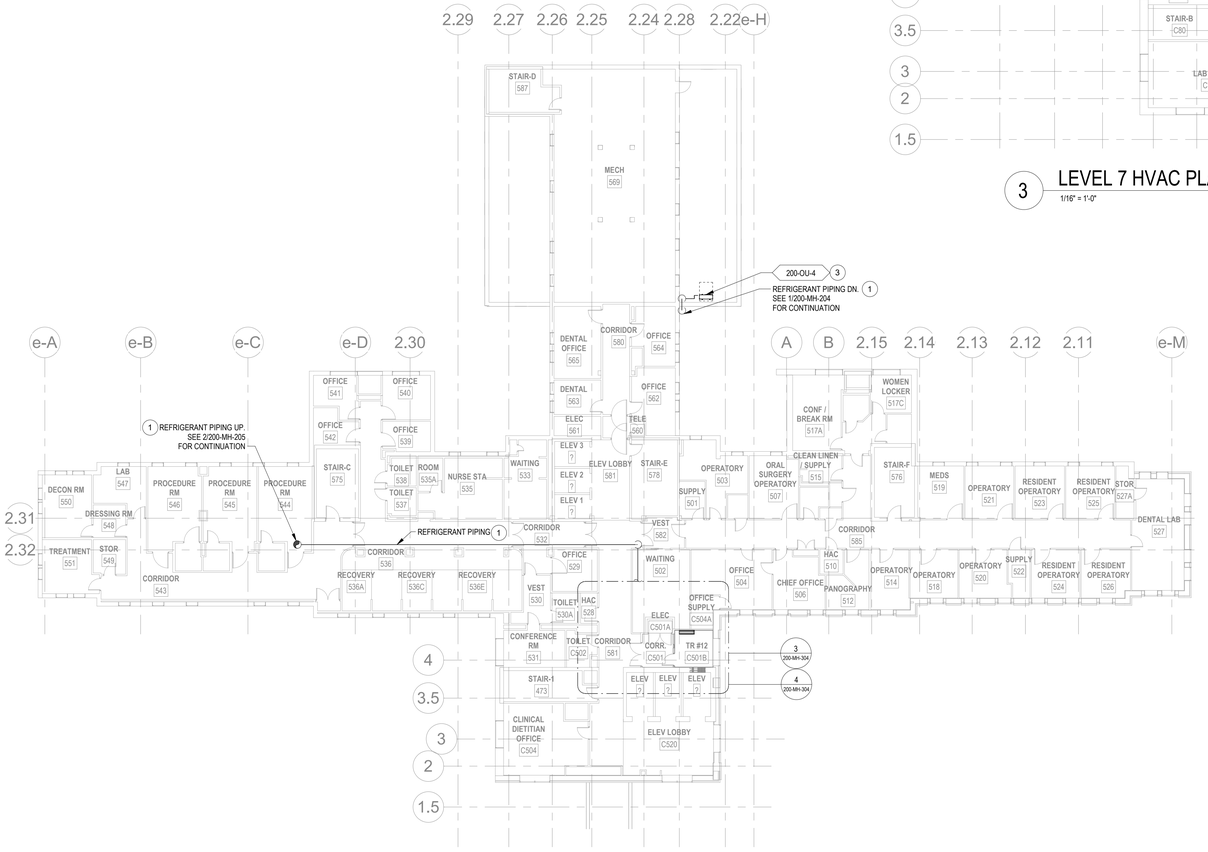
PLAN NOTES

1. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
2. SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
3. REFER TO ARCHITECTURAL DETAIL 1/00-GI-012 FOR OUTDOOR MECHANICAL UNIT PROTECTION DETAIL.



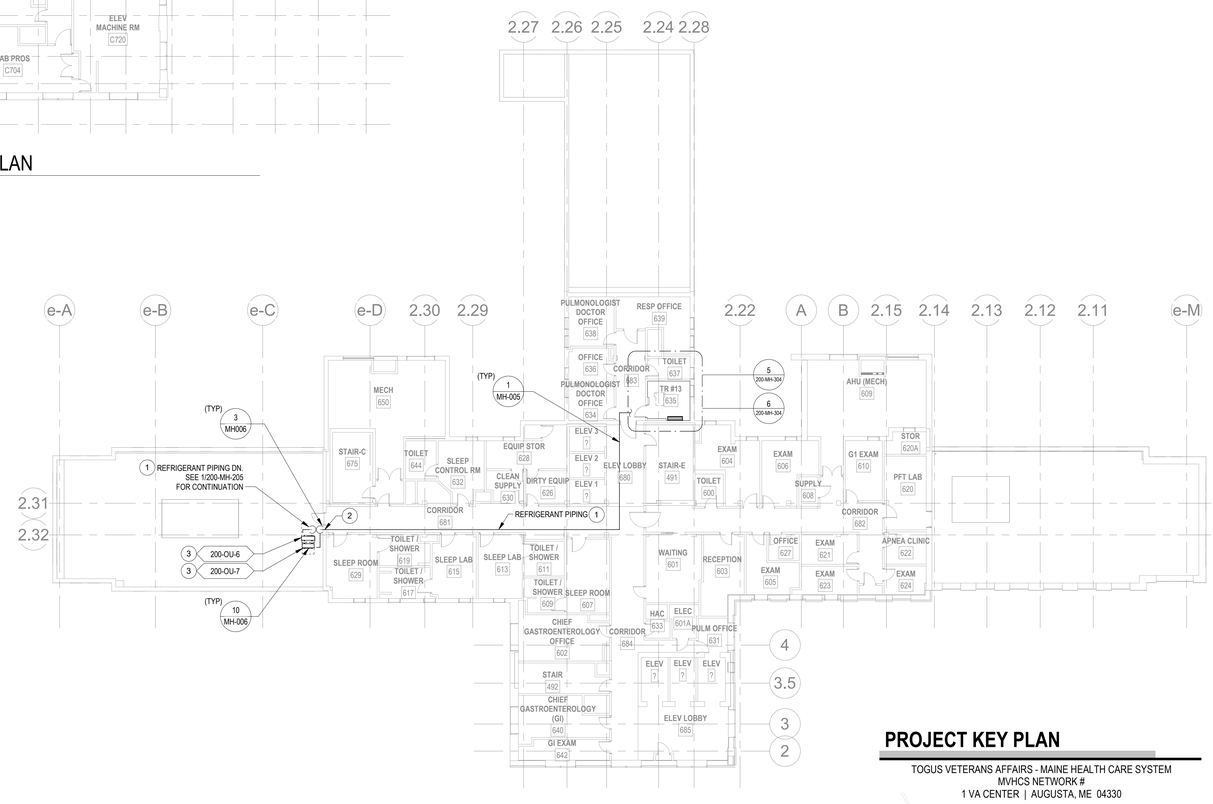
3 LEVEL 7 HVAC PLAN

1/16" = 1'-0"



1 LEVEL 5 HVAC PLAN

1/16" = 1'-0"



2 LEVEL 6 HVAC PLAN

1/16" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

NORTH

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E:
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

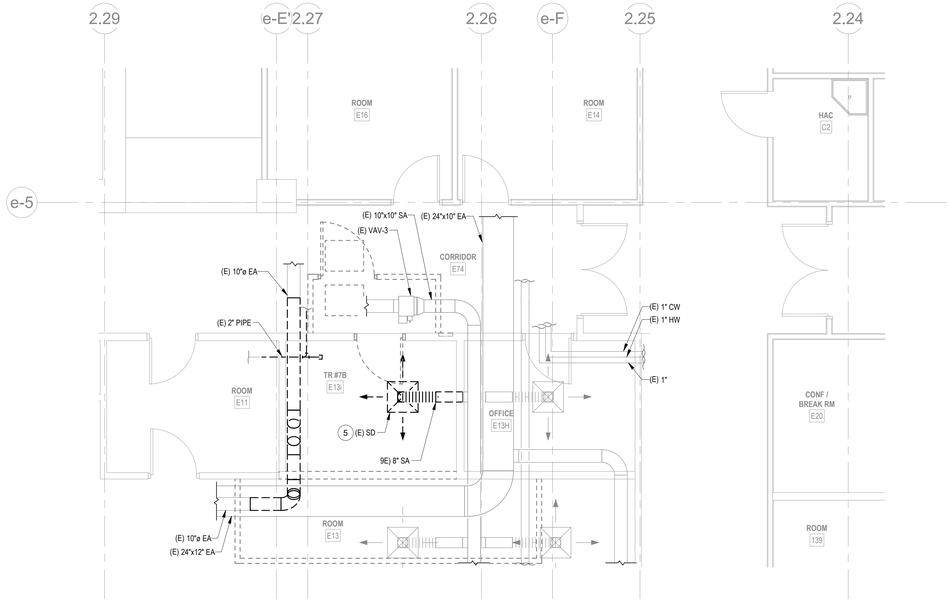
DRAWING TITLE: BUILDING 200/200E LEVEL 5, 6, 7 HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	BUILDING NUMBER: 200/200E
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	DRAWING NUMBER: 200-MH-205

REISSUED 02-18-2026

VA FORM 08 - 6231

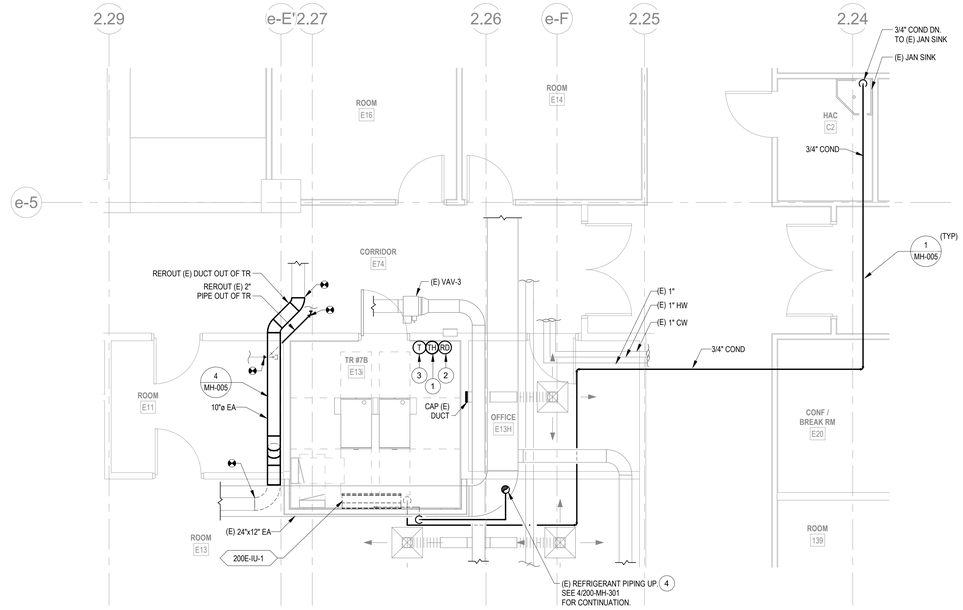
11/5/2025 7:12:31 PM

Autodesk Docs://22117_VA Medical Center - Togus ME/22-055 Togus EHRM_B-200-200E_Mechanical - 2025.rvt



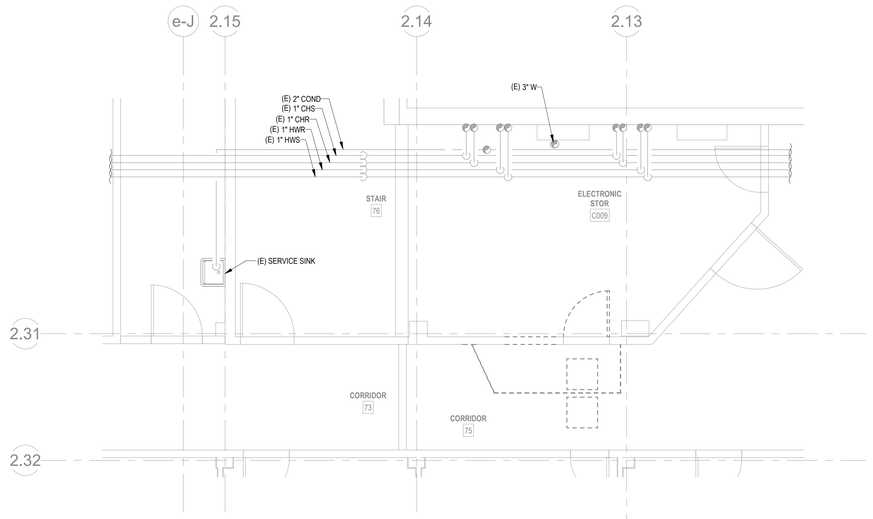
3 GROUND E13I TR #7B HVAC DEMOLITION PLAN

1/4" = 1'-0"



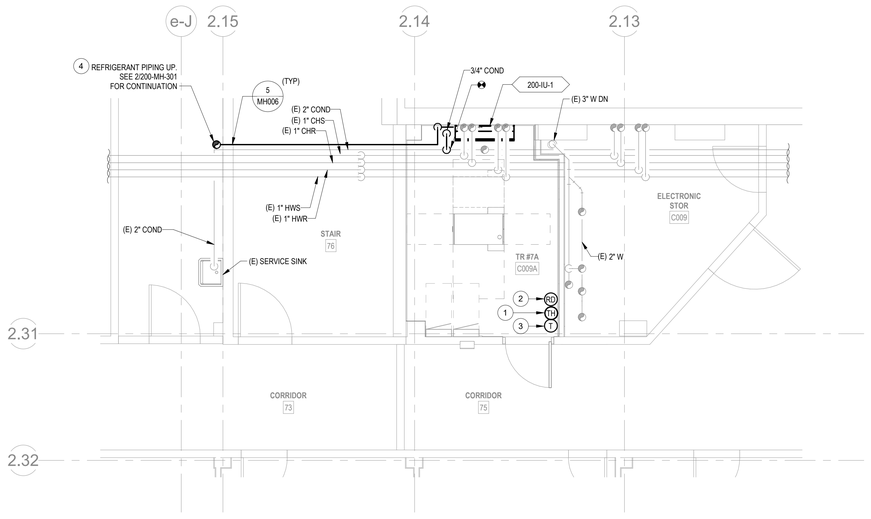
4 GROUND E13I TR #7B HVAC PLAN

1/4" = 1'-0"



1 GROUND C009A TR #7A HVAC DEMOLITION PLAN

1/4" = 1'-0"



2 GROUND C009A TR #7A HVAC PLAN

1/4" = 1'-0"

PLAN NOTES

1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
3. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
4. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
5. DEMOLISH EXISTING AIR TERMINAL AND ASSOCIATED DUCTWORK BACK TO BRANCH AND CAP.

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

NORTH

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E:
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS • ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

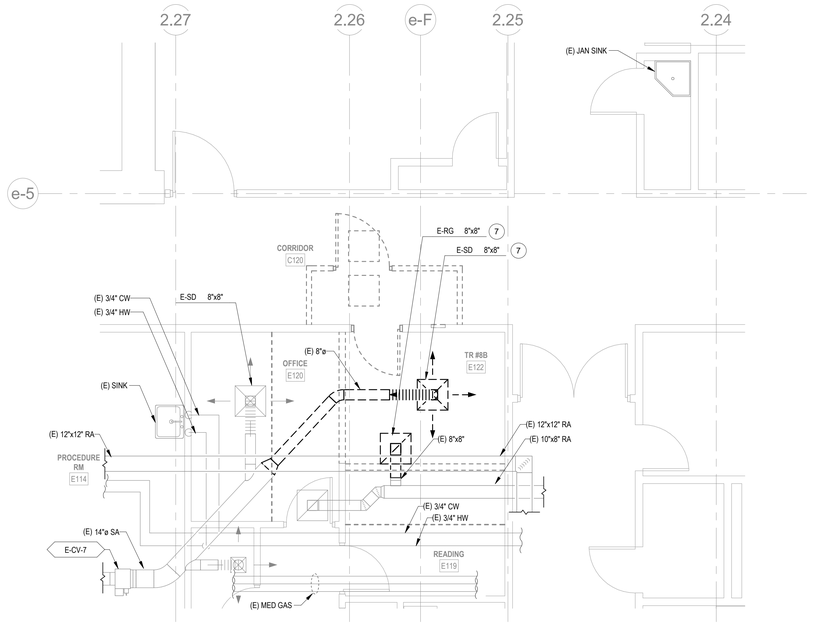
VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 200/200E ENLARGED PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	BUILDING NUMBER: 200/200E
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	DRAWING NUMBER: 200-MH-300

REISSUED 02-18-2026

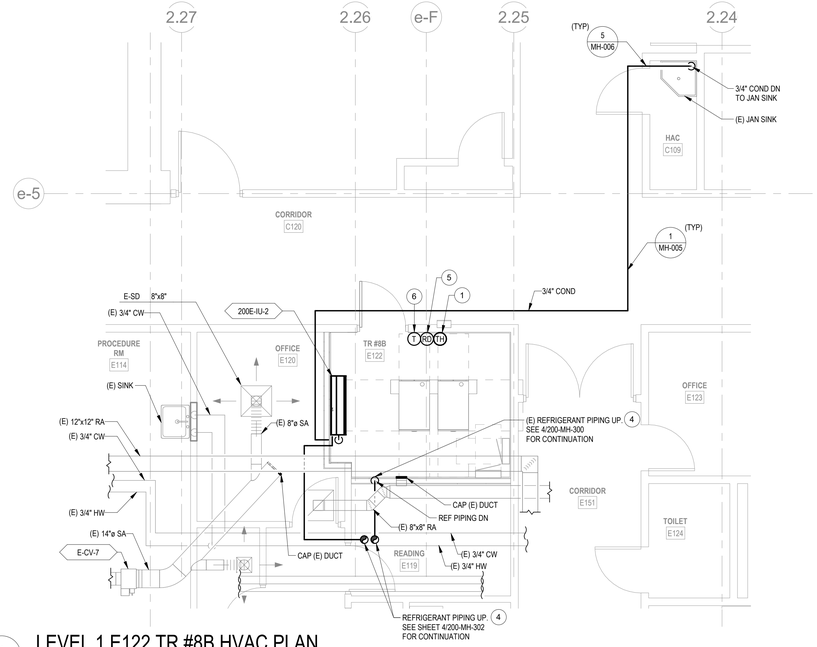
VA FORM 08 - 6231

Autodesk Docs://22117_VA Medical Center - Togus ME/22-065 Togus EHRM_B-200-200E_Mechanical - 2025.rvt 11/5/2025 7:12:34 PM



3 LEVEL 1 E122 TR #8B HVAC DEMOLITION PLAN

1/4" = 1'-0"

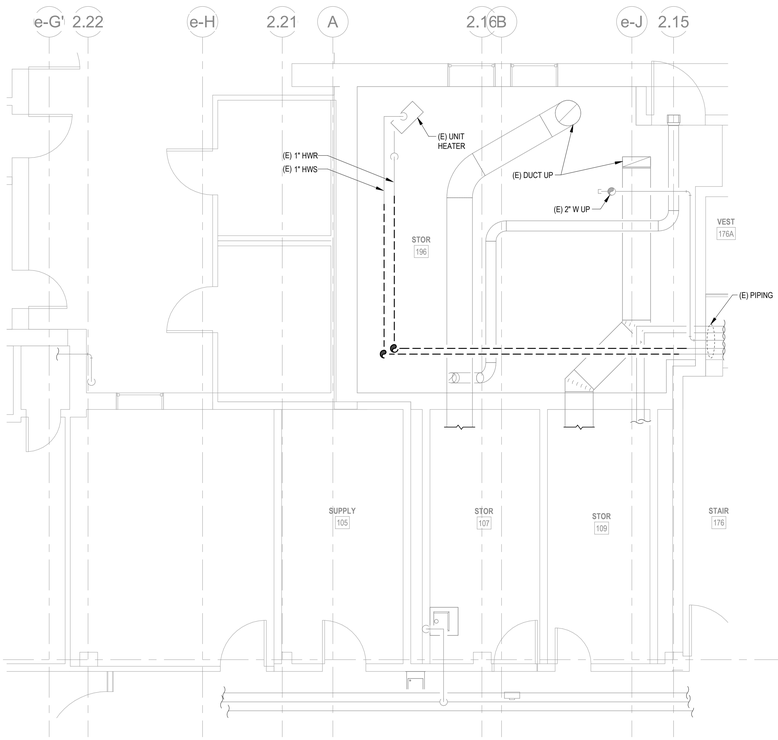


4 LEVEL 1 E122 TR #8B HVAC PLAN

1/4" = 1'-0"

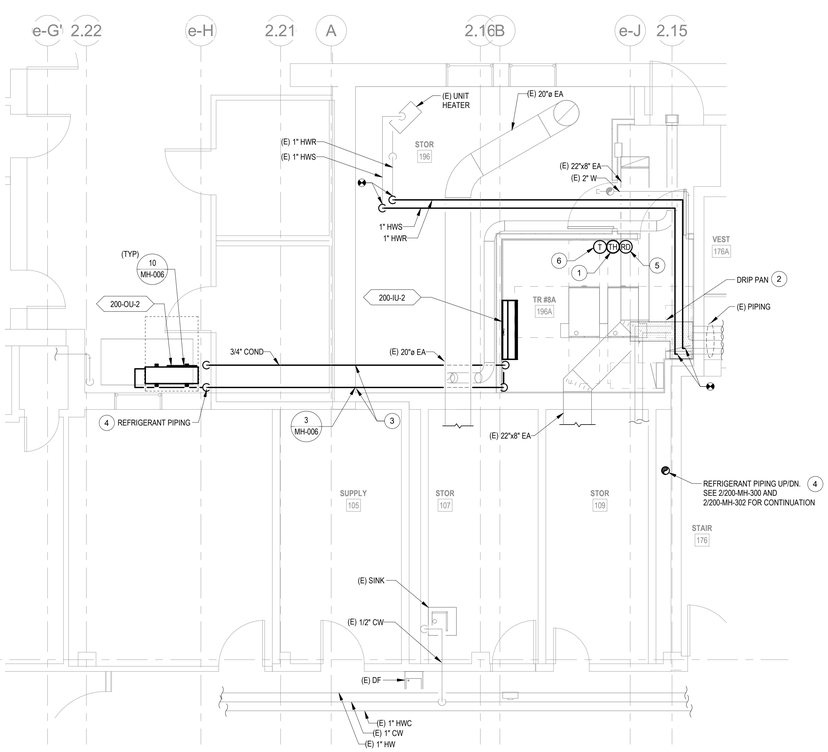
PLAN NOTES

1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. PROVIDE WELDED SEAMLESS STAINLESS STEEL DRIP PAN BELOW ALL PIPING CONVEYING FLUIDS ABOVE DATA OR ELECTRICAL EQUIPMENT. DRIP PAN SHALL EXTEND 2" MINIMUM FROM BOTH SIDES OF PIPE AND 2" BEYOND FOOTPRINT OF DATA OR ELECTRICAL EQUIPMENT BELOW. SLOPE TO CONDENSATE PUMP. ROUTE CONDENSATE FROM PUMP TO INDOOR UNIT CONDENSATE PIPING WITH CHECK VALVE. PROVIDE LIQUID DETECTOR IN DRIP PAN AND CONNECT TO DDC SYSTEM. REFER TO DETAIL 8/MH-006.
3. SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
4. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
5. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
6. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
7. DEMOLISH EXISTING AIR TERMINAL AND ASSOCIATED DUCTWORK BACK TO BRANCH AND CAP.



1 LEVEL 1 RM 196A TR#8A HVAC DEMOLITION PLAN

1/4" = 1'-0"

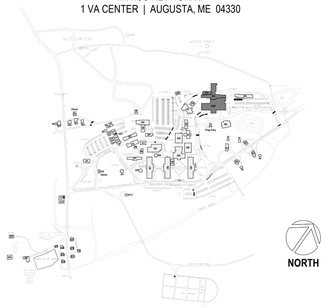


2 LEVEL 1 RM 196A TR#8A HVAC PLAN

1/4" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330



NORTH

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E:
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR ME-13220 REGISTERED PROFESSIONAL ENGINEER

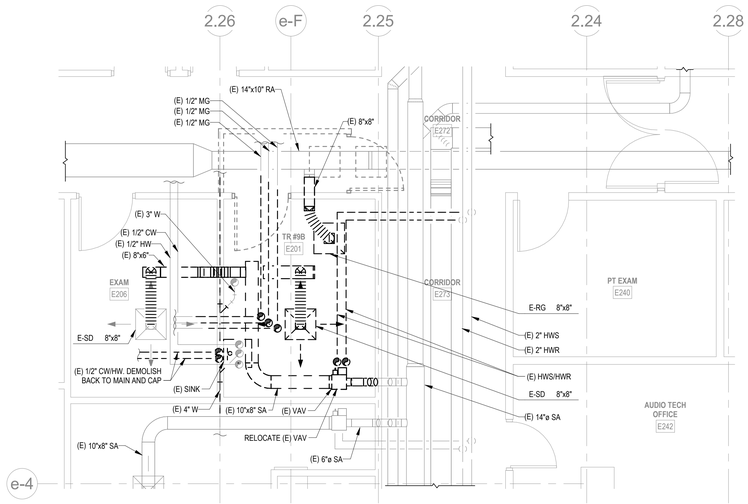
PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 200/200E ENLARGED PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER: 200/200E
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: 200-MH-301
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	

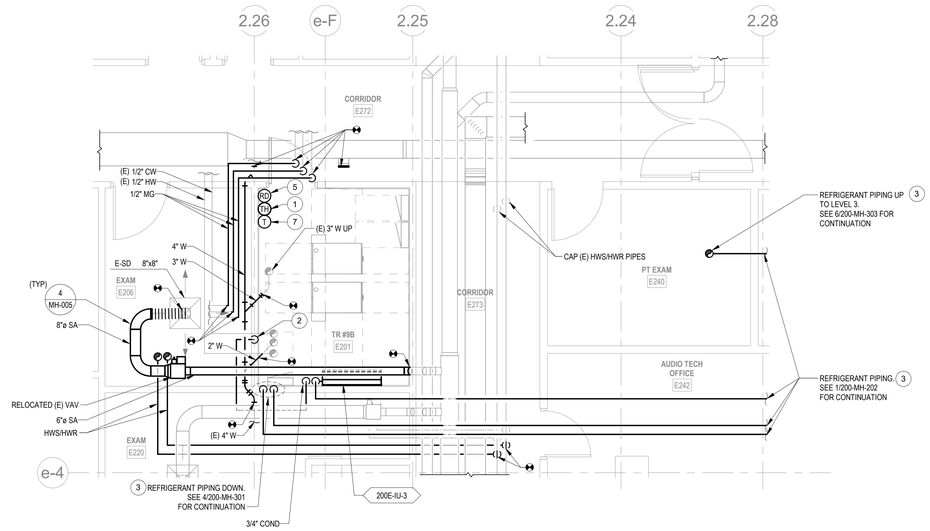
REISSUED 02-18-2026

Autodesk Docs://22117_VA Medical Center - Togus ME/22-056 Togus EHRM_B-200-200E_Mechanical - 2025.rvt
11/5/2025 7:12:35 PM
VA FORM 08 - 6231



3 LEVEL 2 E201 TR #9B HVAC DEMOLITION PLAN

1/4" = 1'-0"

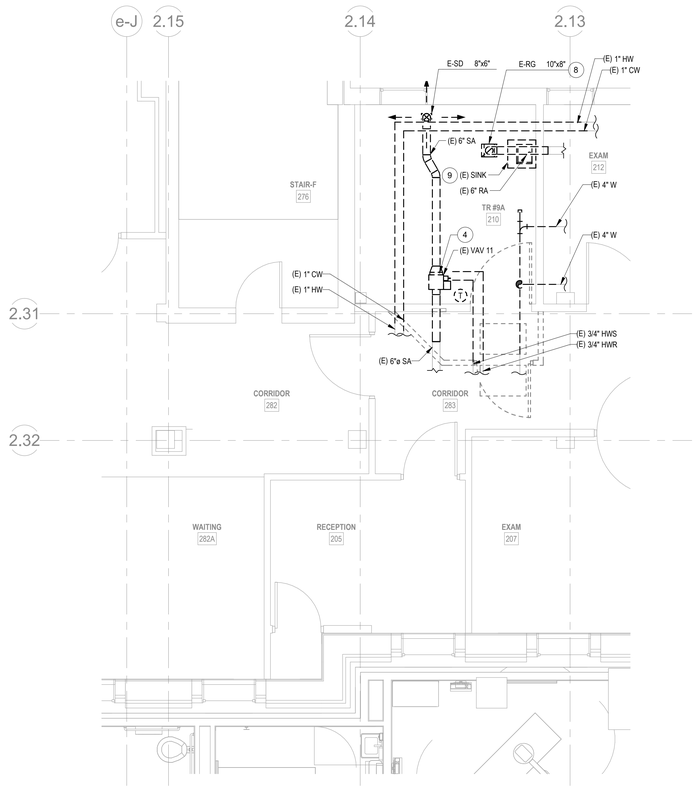


4 LEVEL 2 E201 TR #9B HVAC PLAN

1/4" = 1'-0"

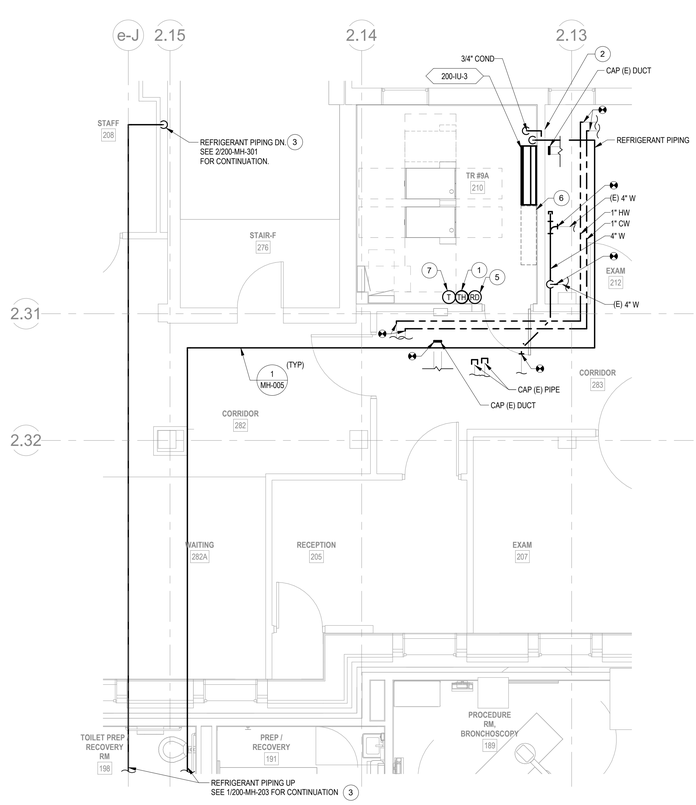
PLAN NOTES

1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. ROUTE 3/4" COND FROM INDOOR UNIT TO (E) PIPE CONNECTIONS LEFT FROM DEMOLISHED OR ABANDONED SINK. PROVIDE AIRGAP FITTING WITH ACCESS HATCH FOR CONDENSATE CONNECTION TO (E) WASTE.
3. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
4. DEMOLISH EXISTING MECHANICAL EQUIPMENT AND ANY ASSOCIATED PIPING BACK TO MAIN BRANCH AND CAP. DEMOLISH ANY ASSOCIATED CONTROLS AND WIRING BACK TO NEAREST CONTROL PANEL OR JUNCTION BOX.
5. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
6. FUTURE UNIT. NOT UNDER THIS CONTRACT.
7. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
8. DEMOLISH EXISTING AIR TERMINAL AND ASSOCIATED DUCTWORK BACK TO BRANCH AND CAP.
9. DEMOLISH EXISTING SINK. DEMOLISH ASSOCIATED PIPING BACK TO BRANCH AND CAP. LEAVE NO DEAD LEGS.



1 LEVEL 2 210 TR #9A HVAC DEMOLITION PLAN

1/4" = 1'-0"

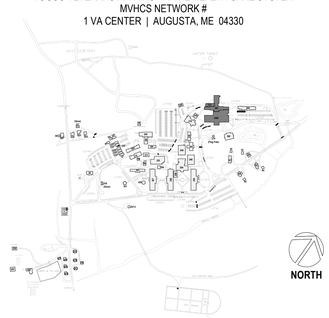


2 LEVEL 2 210 TR #9A HVAC PLAN

1/4" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330



Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E:
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 REGISTERED PROFESSIONAL ENGINEER 2026.1.7

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

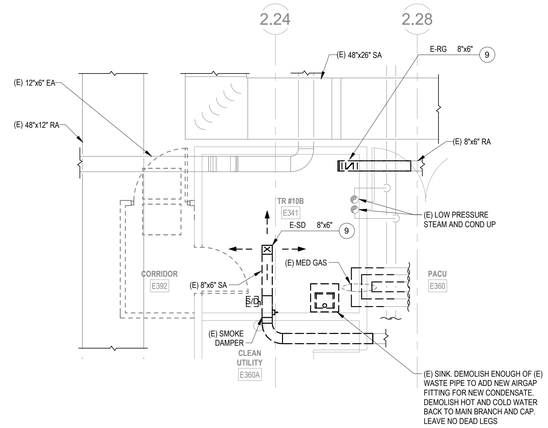
VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 200/200E ENLARGED PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER: 200/200E
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: 200-MH-302
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	

REISSUED 02-18-2026

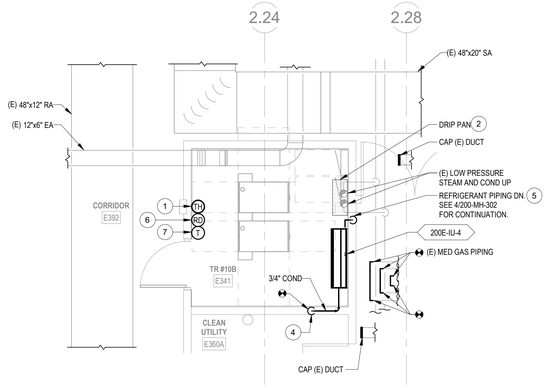
VA FORM 08 - 6231

Autodesk Docs://22117_VA Medical Center - Togus ME/22-055 Togus EHRM_B-200-200E_Mechanical - 2025.rvt
11/5/2025 7:12:38 PM



5 LEVEL 3 E341 TR #10B HVAC DEMOLITION PLAN

1/4" = 1'-0"

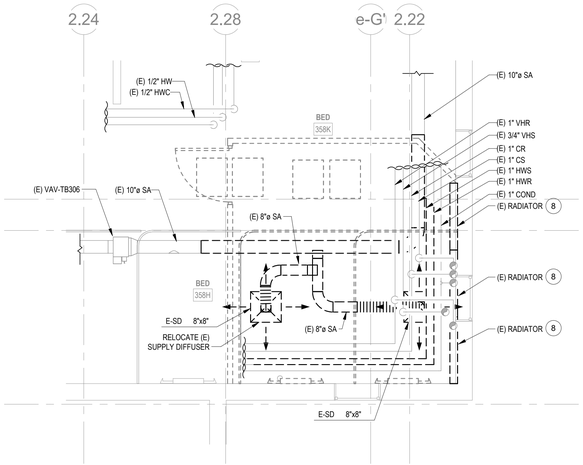


6 LEVEL 3 E341 TR #10B HVAC PLAN

1/4" = 1'-0"

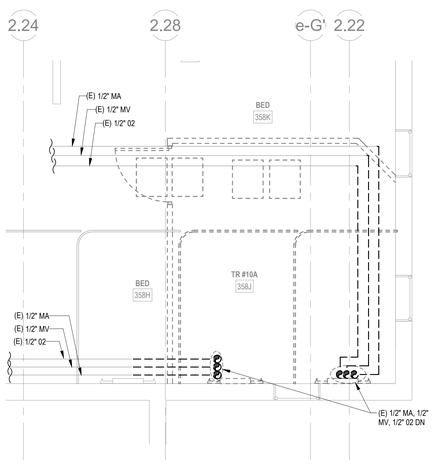
PLAN NOTES

1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. PROVIDE WELDED SEAMLESS STAINLESS STEEL DRIP PAN BELOW ALL PIPING CONVEYING FLUIDS ABOVE DATA OR ELECTRICAL EQUIPMENT. DRIP PAN SHALL EXTEND 2" MINIMUM FROM BOTH SIDES OF PIPE AND 2" BEYOND FOOTPRINT OF DATA OR ELECTRICAL EQUIPMENT BELOW. SLOPE TO CONDENSATE PUMP. ROUTE CONDENSATE FROM PUMP TO INDOOR UNIT CONDENSATE PIPING WITH CHECK VALVE. PROVIDE LIQUID DETECTOR IN DRIP PAN AND CONNECT TO DDC SYSTEM. REFER TO DETAIL 8/MH-006.
3. ROUTE 3/4" CONDENSATE FROM INDOOR CRAC UNIT TO THIS LOCATION. CONNECT TO (E) CONDENSATE WITH NEW AIRGAP FITTING.
4. ROUTE 3/4" COND FROM INDOOR UNIT TO (E) PIPE CONNECTIONS LEFT FROM DEMOLISHED OR ABANDONED SINK. PROVIDE AIRGAP FITTING WITH ACCESS HATCH FOR CONDENSATE CONNECTION TO (E) WASTE.
5. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
6. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
7. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
8. DEMOLISH EXISTING MECHANICAL EQUIPMENT AND ANY ASSOCIATED PIPING BACK TO MAIN BRANCH AND CAP. DEMOLISH ANY ASSOCIATED CONTROLS AND WIRING BACK TO NEAREST CONTROL PANEL OR JUNCTION BOX.
9. DEMOLISH EXISTING AIR TERMINAL AND ASSOCIATED DUCTWORK BACK TO BRANCH AND CAP.



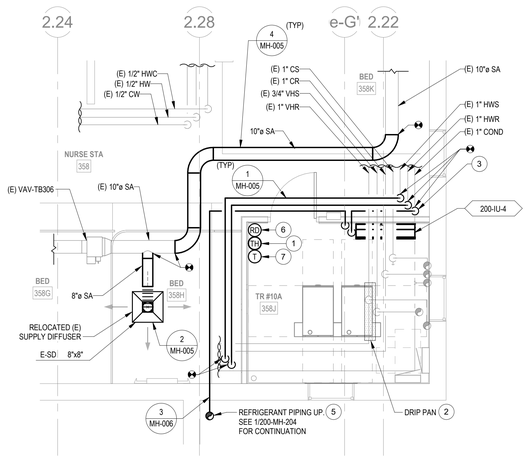
1 LEVEL 3 358J TR #10A HVAC DEMOLITION PLAN

1/4" = 1'-0"



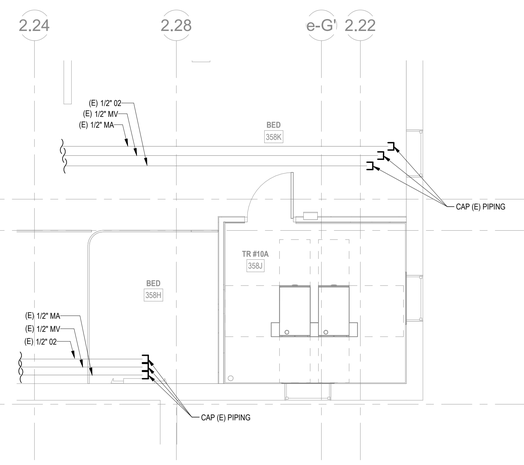
2 LEVEL 3 358J TR #10A MED GAS DEMOLITION PLAN

1/4" = 1'-0"



3 LEVEL 3 358J TR #10A HVAC PLAN

1/4" = 1'-0"



4 LEVEL 3 358J TR #10A MED GAS PLAN

1/4" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

NORTH

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E:
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49TH
SCOTTEN BLAIR
ME-132203
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

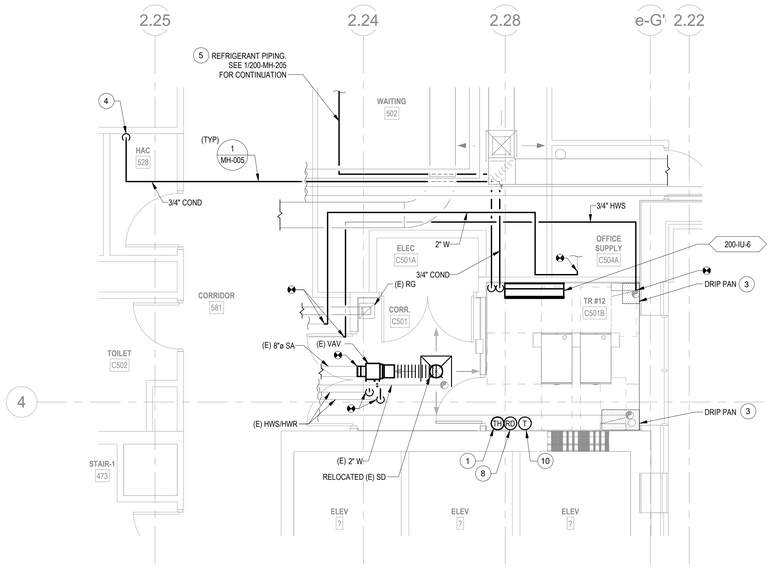
DRAWING TITLE: BUILDING 200/200E ENLARGED PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	BUILDING NUMBER: 200/200E
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	DRAWING NUMBER: 200-MH-303

REISSUED 02-18-2026

VA FORM 08 - 6231

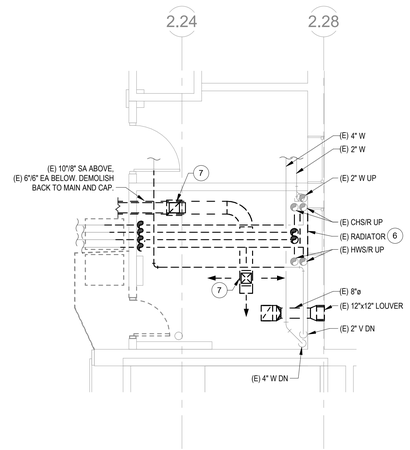
Autodesk Docs://22117_VA Medical Center - Togus ME/22-055 Togus EHRM_B-200-200E_Mechanical - 2025.rvt

11/5/2025 7:12:41 PM



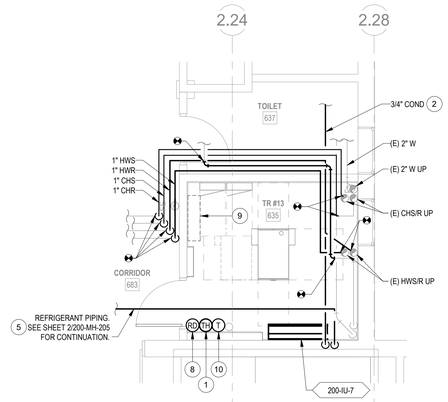
4 LEVEL 5 501B TR #12 HVAC PLAN

1/4" = 1'-0"



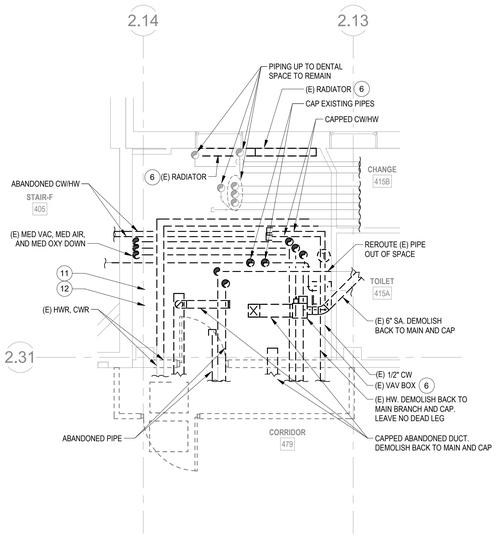
5 LEVEL 6 635 TR #13 HVAC DEMOLITION PLAN

1/4" = 1'-0"



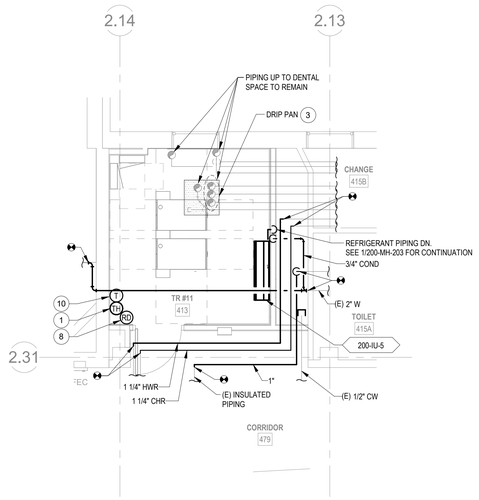
6 LEVEL 6 635 TR #13 HVAC PLAN

1/4" = 1'-0"



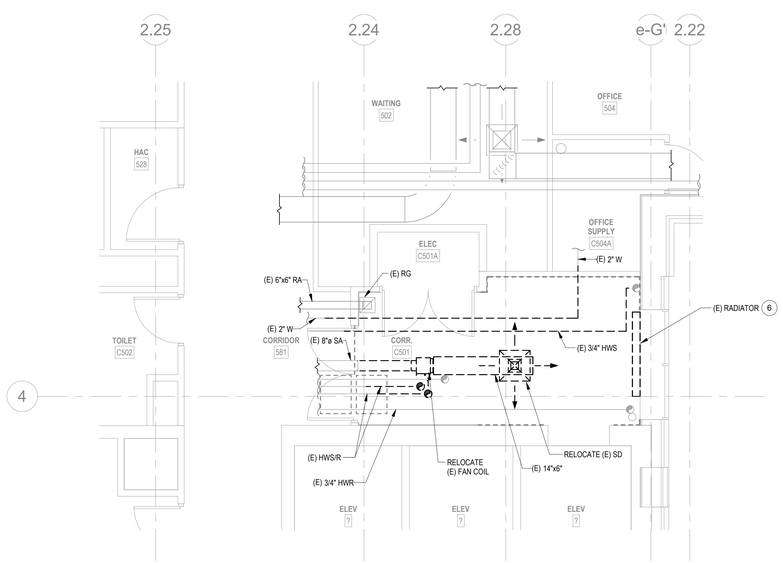
1 LEVEL 4 413 TR#11 HVAC DEMOLITION PLAN

1/4" = 1'-0"



2 LEVEL 4 413 TR#11 HVAC PLAN

1/4" = 1'-0"



3 LEVEL 5 501B TR #12 HVAC DEMOLITION PLAN

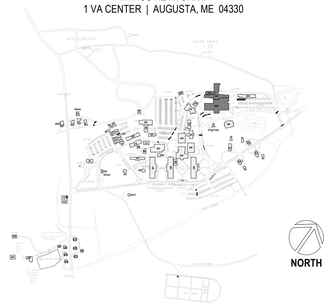
1/4" = 1'-0"

PLAN NOTES

1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. ROUTE 3/4" CONDENSATE FROM INDOOR CRAC UNIT TO THIS LOCATION. PROVIDE AIRGAP FITTING WITH ACCESS HATCH. DEMOLISH AND PATCH WALL AS NECESSARY.
3. PROVIDE WELDED SEAMLESS STAINLESS STEEL DRIP PAN BELOW ALL PIPING CONVEYING FLUIDS ABOVE DATA OR ELECTRICAL EQUIPMENT. DRIP PAN SHALL EXTEND 2" MINIMUM FROM BOTH SIDES OF PIPE AND 2" BEYOND FOOTPRINT OF DATA OR ELECTRICAL EQUIPMENT BELOW. SLOPE TO CONDENSATE PUMP. ROUTE CONDENSATE FROM PUMP TO INDOOR UNIT CONDENSATE PIPING WITH CHECK VALVE. PROVIDE LIQUID DETECTOR IN DRIP PAN AND CONNECT TO DDC SYSTEM. REFER TO DETAIL 8/MH-006.
4. ROUTE 3/4" CONDENSATE FROM INDOOR CRAC UNIT TO JANITOR SINK.
5. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
6. DEMOLISH EXISTING MECHANICAL EQUIPMENT AND ANY ASSOCIATED PIPING BACK TO MAIN BRANCH AND CAP. DEMOLISH ANY ASSOCIATED CONTROLS AND WIRING BACK TO NEAREST CONTROL PANEL OR JUNCTION BOX.
7. DEMOLISH EXISTING AIR TERMINAL AND ASSOCIATED DUCTWORK BACK TO BRANCH AND CAP.
8. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
9. FUTURE UNIT. NOT UNDER THIS CONTRACT.
10. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
11. DEMOLISH ABANDONED PIPING IN TR BACK TO BRANCH AND CAP. LEAVE NO DEAD LEGS.
12. DEMOLISH ABANDONED DUCTWORK IN TR BACK TO BRANCH AND CAP.

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330



Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E:
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49TH — SCOTTEN BLAIR — ME-132203 — REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 200/200E ENLARGED PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	BUILDING NUMBER: 200/200E
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	DRAWING NUMBER: 200-MH-304

REISSUED 02-18-2026

Autodesk Docs://22117_VA Medical Center - Togus ME/22-065 Togus EHRM_B-200-200E_Mechanical - 2025.rvt
11/5/2025 7:12:42 PM

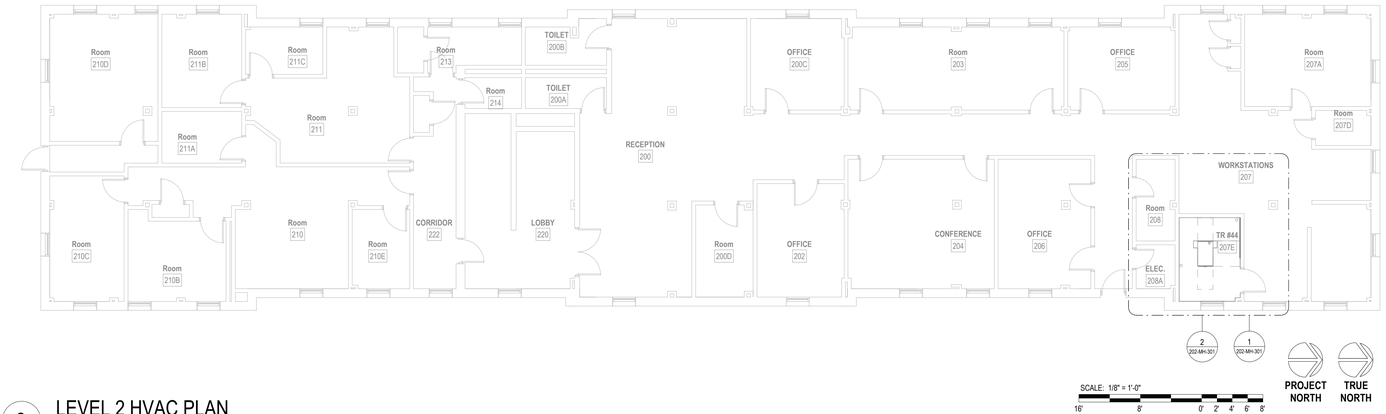
VA FORM 08 - 6231

PLAN NOTES

1. REFER TO ARCHITECTURAL DETAIL 3/00-GI-012 FOR ROOF MECHANICAL EQUIPMENT MOUNTING DETAIL.
2. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.

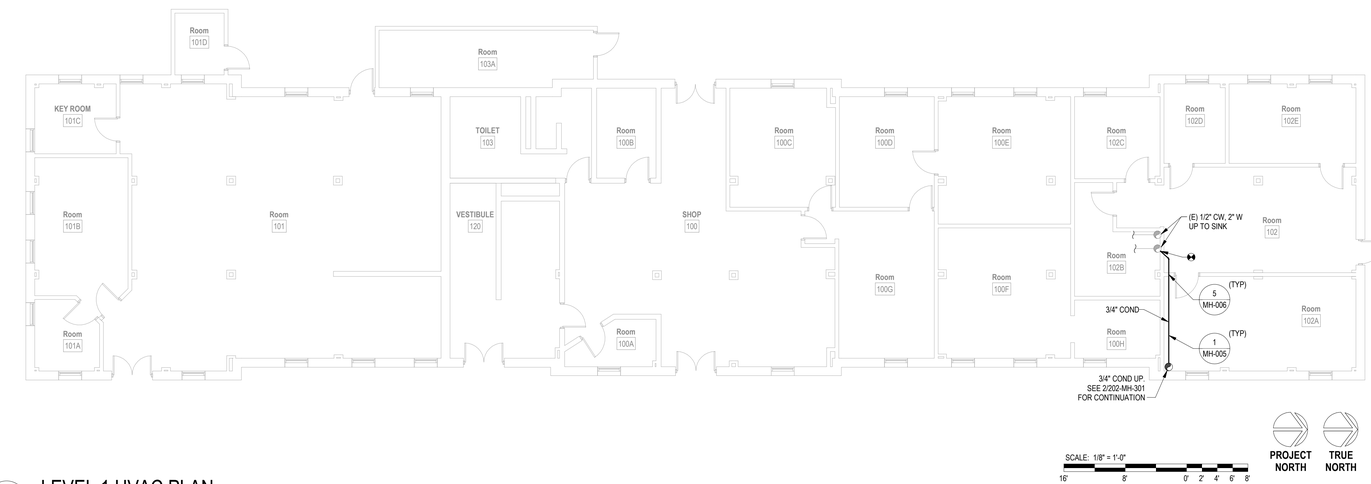
3 ROOF HVAC PLAN

1/8" = 1'-0"



2 LEVEL 2 HVAC PLAN

1/8" = 1'-0"

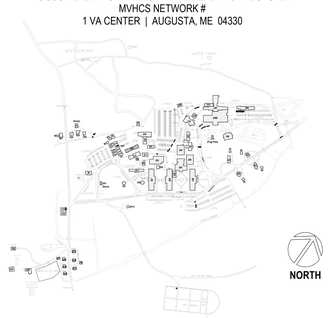


1 LEVEL 1 HVAC PLAN

1/8" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330



Revisions:	Date:

CONSULTANT
MECHANICAL ENGINEER

ARCHITECT/ENGINEER OF RECORD
A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM
GDM ARCHITECTS - ENGINEERS

STAMP
STATE OF ALASKA
49TH
REGISTERED PROFESSIONAL ENGINEER
SCOTTEN BLAIR
ME-132203

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)
VA U.S. Department of Veterans Affairs

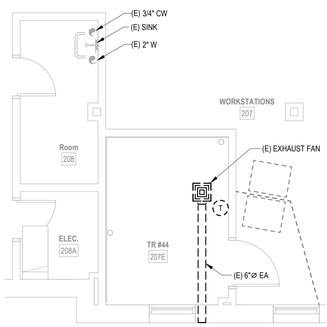
DRAWING TITLE: BUILDING 202 HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER: 202
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: 202-MH-201
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	

REISSUED 02-18-2026

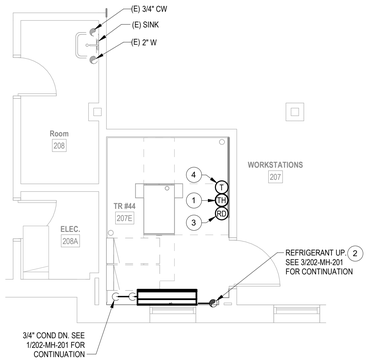
Autodesk Docs://22117_VA Medical Center - Togus ME\22-055 Togus EHRM_B-202_Mechanical - 2025.rvt
11/5/2025 7:20:58 PM

PLAN NOTES

1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
3. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
4. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.



1 LEVEL 2TR 207E HVAC DEMOLITION PLAN
1/4" = 1'-0"



2 LEVEL 2 TR 207E HVAC PLAN
1/4" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

Revisions:	Date:

CONSULTANT
MECHANICAL ENGINEER

ARCHITECT/ENGINEER OF RECORD
A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP
STATE OF ALASKA 49TH
SCOTTEN BLAIR
ME-132203
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)
VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 202 ENLARGED HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	BUILDING NUMBER: 202
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	DRAWING NUMBER: 202-MH-301

REISSUED 02-18-2026

VA FORM 08 - 6231

Autodesk Docs://22117_VA Medical Center - Togus ME/22-065 Togus EHRM_B-202_Mechanical - 2025.rvt
11/5/2025 7:20:58 PM

SCALE: 1/8" = 1'-0"
16' 8' 0' 2' 4' 6' 8'

PROJECT NORTH TRUE NORTH

3 LEVEL 3 HVAC PLAN

1/8" = 1'-0"

SCALE: 1/8" = 1'-0"
16' 8' 0' 2' 4' 6' 8'

PROJECT NORTH TRUE NORTH

1 LEVEL 1 HVAC PLAN

1/8" = 1'-0"

SCALE: 1/8" = 1'-0"
16' 8' 0' 2' 4' 6' 8'

PROJECT NORTH TRUE NORTH

2 LEVEL 2 HVAC PLAN

1/8" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

NORTH

Revisions:	Date:

CONSULTANT
MECHANICAL ENGINEER

ARCHITECT/ENGINEER OF RECORD
A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP
STATE OF ALASKA 49TH
SCOTTEN BLAIR
ME-132203
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 203 HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	BUILDING NUMBER: 203
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	DRAWING NUMBER: 203-MH-201

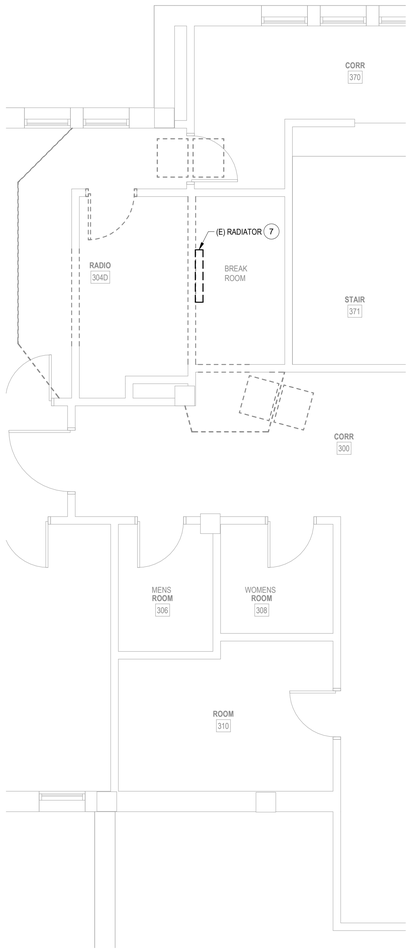
REISSUED 02-18-2026

VA FORM 08 - 6231

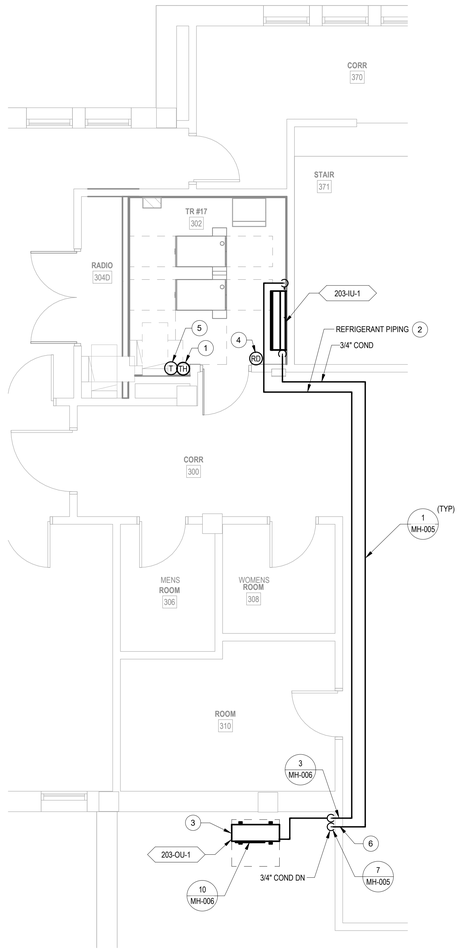
Autodesk Docs://22117_VA Medical Center - Togus ME/22-065 Togus EHRM_B-203_Mechanical - 2025.rvt
11/5/2025 7:24:33 PM

PLAN NOTES

1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
3. REFER TO ARCHITECTURAL DETAIL 3/00-GI-012 FOR ROOF MECHANICAL EQUIPMENT MOUNTING DETAIL.
4. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
5. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
6. SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
7. DEMOLISH EXISTING MECHANICAL EQUIPMENT AND ANY ASSOCIATED PIPING BACK TO MAIN BRANCH AND CAP. DEMOLISH ANY ASSOCIATED CONTROLS AND WIRING BACK TO NEAREST CONTROL PANEL OR JUNCTION BOX.



1 LEVEL 3 302 TR#17 HVAC DEMOLITION PLAN
1/4" = 1'-0"



2 LEVEL 3 302 TR#17 HVAC PLAN
1/4" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

Revisions:	Date:

CONSULTANT
MECHANICAL ENGINEER

ARCHITECT/ENGINEER OF RECORD
A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS • ENGINEERS

STAMP
STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)
VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 203 ENLARGED HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER: 203
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: 203-MH-301
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	

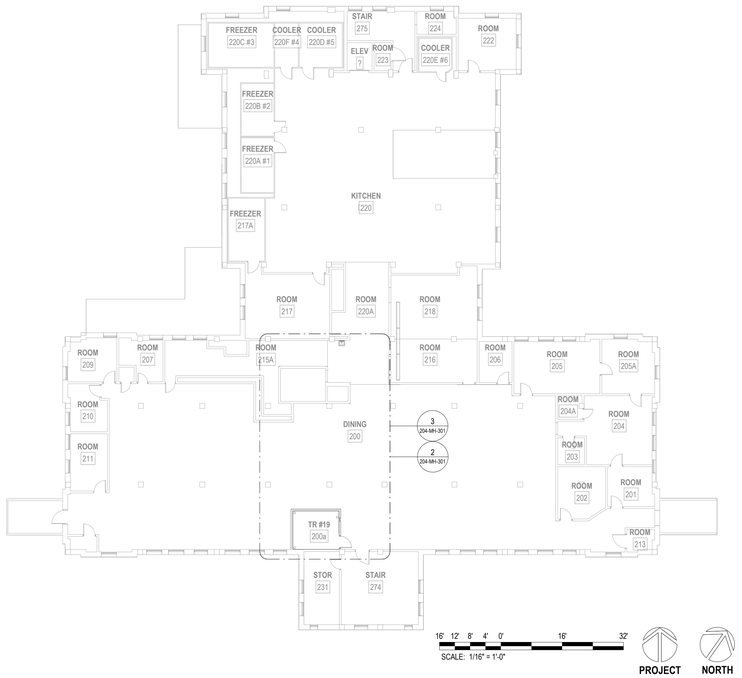
VA FORM 08 - 6231

REISSUED 02-18-2026

Autodesk Docs://22117_VA Medical Center - Togus ME/22-055 Togus EHRM_B-203_Mechanical - 2025.rvt
11/5/2025 7:24:33 PM

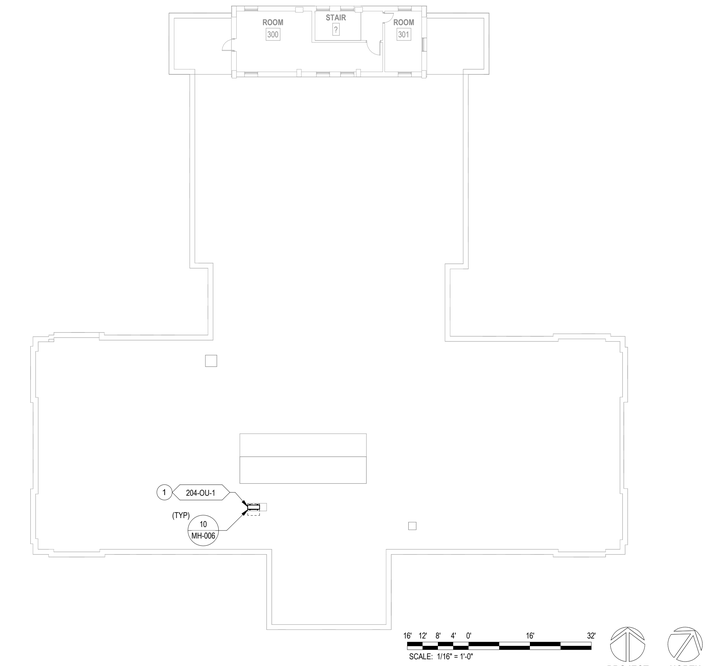
PLAN NOTES

1 REFER TO ARCHITECTURAL DETAIL 3/00-GI-012 FOR ROOF MECHANICAL EQUIPMENT MOUNTING DETAIL.



3 LEVEL 2 HVAC PLAN

1/16" = 1'-0"

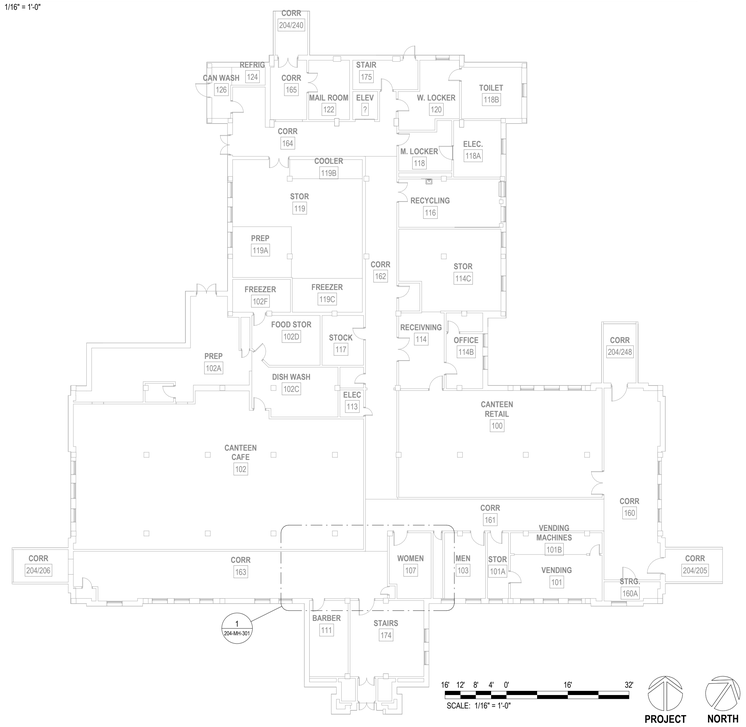


4 PENTHOUSE HVAC PLAN

1/16" = 1'-0"

1 BASEMENT HVAC PLAN

1/16" = 1'-0"



2 LEVEL 1 HVAC PLAN

1/16" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

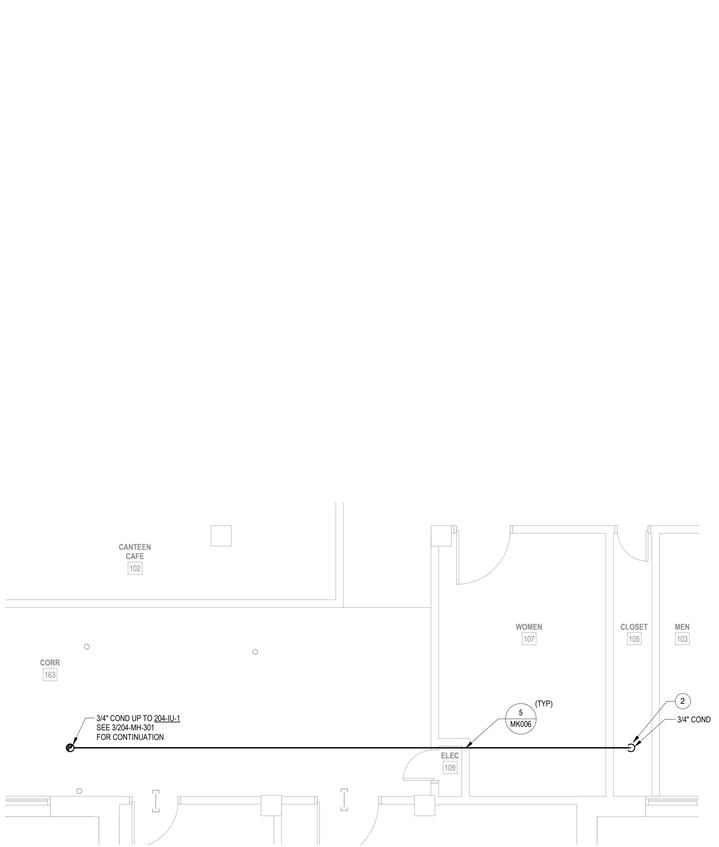
DRAWING TITLE: BUILDING 204 HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER: 204
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: 204-MH-201
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KBT	

REISSUED 02-18-2026

Autodesk Docs://22117_VA Medical Center - Togus ME/22-055 Togus EHRM_B-204_Mechanical - 2025.rvt 11/5/2025 7:30:19 PM

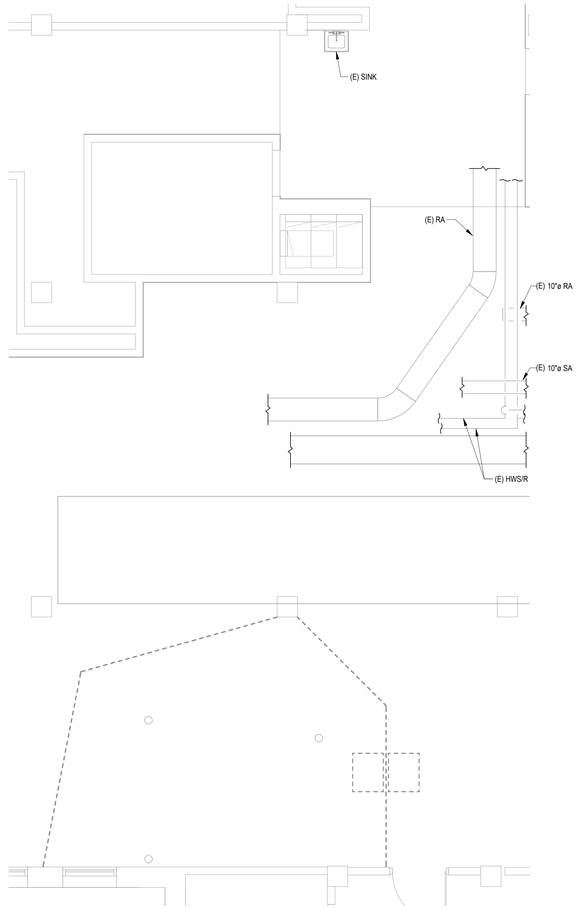
PLAN NOTES

1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. ROUTE 3/4" CONDENSATE FROM INDOOR CRAC UNIT TO THIS LOCATION. CONNECT TO (E) WASTE WITH NEW AIRGAP FITTING.
3. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
4. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.



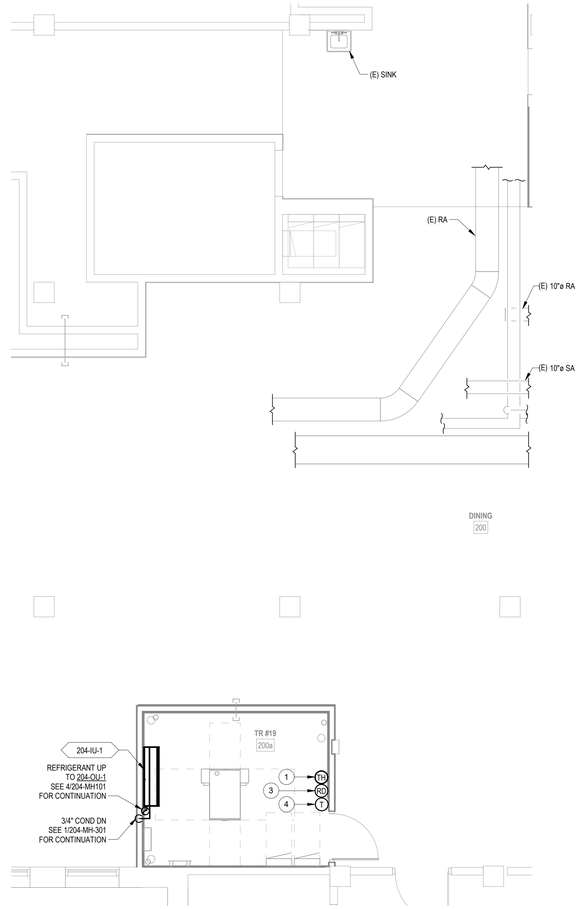
1 LEVEL 1 HVAC PLAN

1/4" = 1'-0"



2 LEVEL 2 200A TR#19 HVAC DEMOLITION PLAN

1/4" = 1'-0"



3 LEVEL 2 200A TR#19 HVAC PLAN

1/4" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49TH
SCOTTEN BLAIR
ME-132203
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 204 ENLARGED HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER: 204
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: 204-MH-301
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	

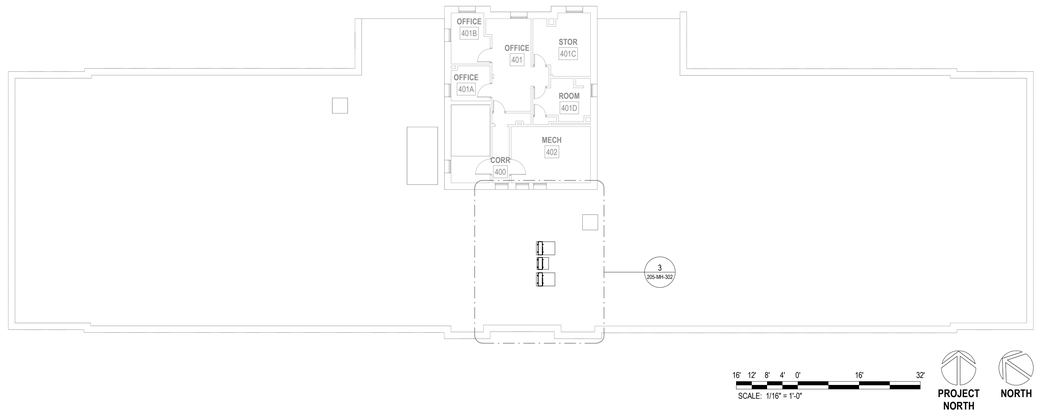
REISSUED 02-18-2026

VA FORM 08 - 6231

Autodesk Docs://22117_VA Medical Center - Togus ME/22-065 Togus EHRM_B-204_Mechanical - 2025.rvt
11/5/2025 7:30:19 PM

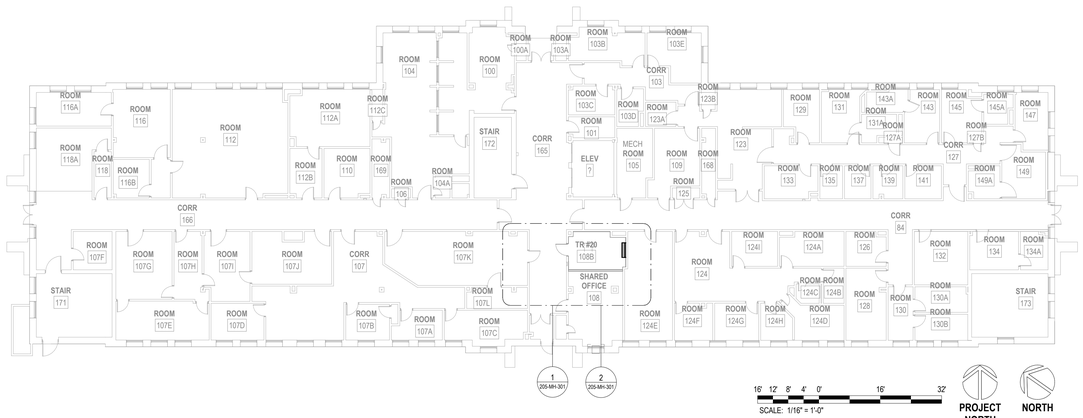
3 LEVEL 3 HVAC PLAN

1/16" = 1'-0"



4 PENTHOUSE HVAC PLAN

1/16" = 1'-0"



1 LEVEL 1 HVAC PLAN

1/16" = 1'-0"

2 LEVEL 2 HVAC PLAN

1/16" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E:
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

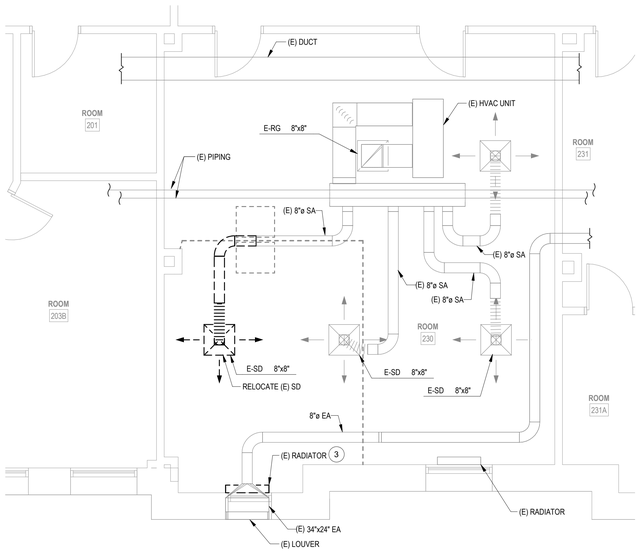
DRAWING TITLE: BUILDING 205 HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER: 205
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: 205-MH-201
		ISSUE DATE: NOVEMBER 11, 2025 / CHECKED BY: JB / DRAWN BY: KT	

REISSUED 02-18-2026

VA FORM 08 - 6231

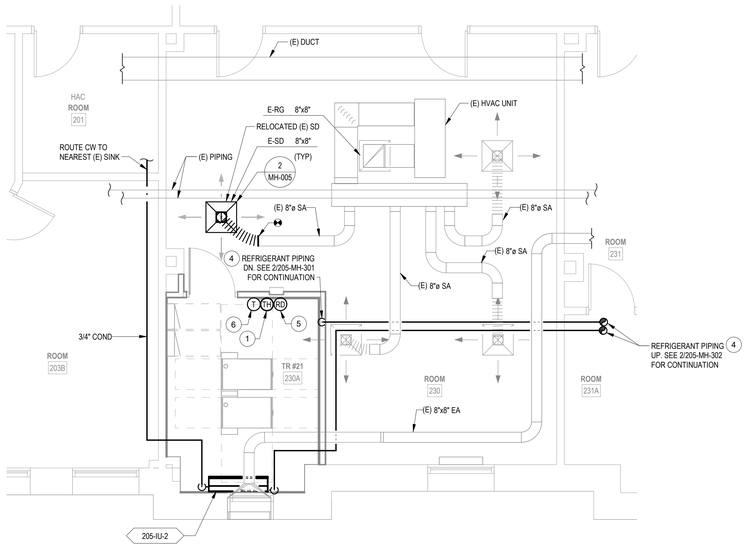
Autodesk Docs://22117_VA Medical Center - Togus ME/22-065 Togus EHRM_B-205_Mechanical - 2025.rvt

11/3/2025 6:10:40 PM



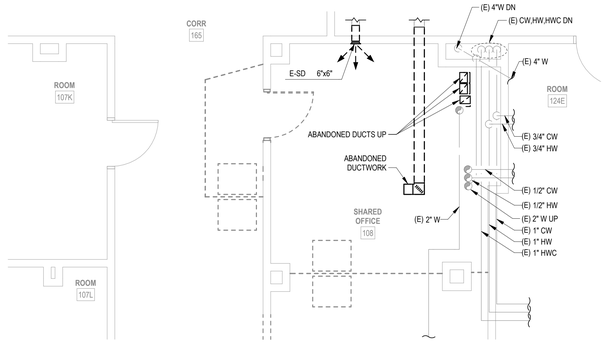
3 LEVEL 2 230A TR #21 HVAC DEMOLITION PLAN

1/4" = 1'-0"



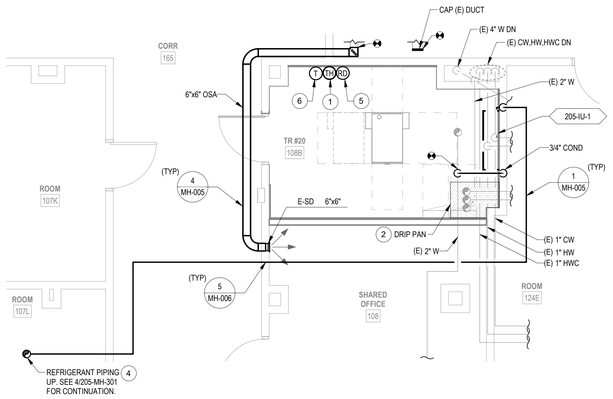
4 LEVEL 2 230A TR #21 HVAC PLAN

1/4" = 1'-0"



1 LEVEL 1 108B TR #20 HVAC DEMOLITION PLAN

1/4" = 1'-0"



2 LEVEL 1 108B TR #20 HVAC PLAN

1/4" = 1'-0"

PLAN NOTES

1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. PROVIDE WELDED SEAMLESS STAINLESS STEEL DRIP PAN BELOW ALL PIPING CONVEYING FLUIDS ABOVE THE TR AREA. DRIP PAN SHALL EXTEND 2" MINIMUM FROM BOTH SIDES OF PIPE. SLOPE TO CONDENSATE PUMP. ROUTE CONDENSATE FROM PUMP TO INDOOR UNIT CONDENSATE PIPING WITH CHECK VALVE. PROVIDE LIQUID DETECTOR IN DRIP PAN AND CONNECT TO DDC SYSTEM. REFER TO DETAIL 8/MH-006.
3. DEMOLISH EXISTING MECHANICAL EQUIPMENT AND ANY ASSOCIATED PIPING BACK TO MAIN BRANCH AND CAP. DEMOLISH ANY ASSOCIATED CONTROLS AND WIRING BACK TO NEAREST CONTROL PANEL OR JUNCTION BOX.
4. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
5. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
6. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E:
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS • ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

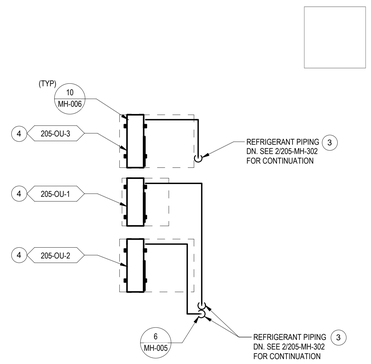
VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 205 ENLARGED HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	BUILDING NUMBER: 205
		ISSUE DATE: NOVEMBER 11, 2025 / CHECKED BY: JB / DRAWN BY: KT	DRAWING NUMBER: 205-MH-301

REISSUED 02-18-2026

VA FORM 08 - 6231

Autodesk Docs://22117_VA Medical Center - Togus ME/22-065 Togus EHRM_B-205_Mechanical - 2025.rvt
11/3/2025 6:10:40 PM

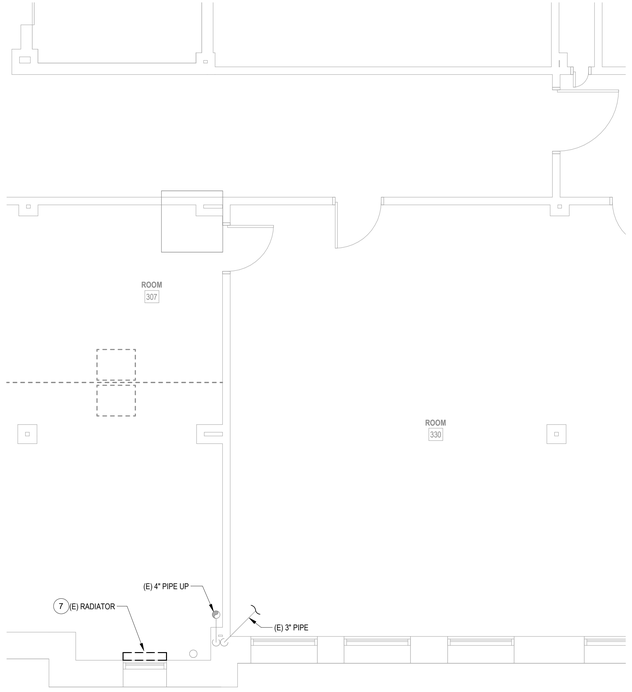


3 ROOF HVAC PLAN

1/4" = 1'-0"

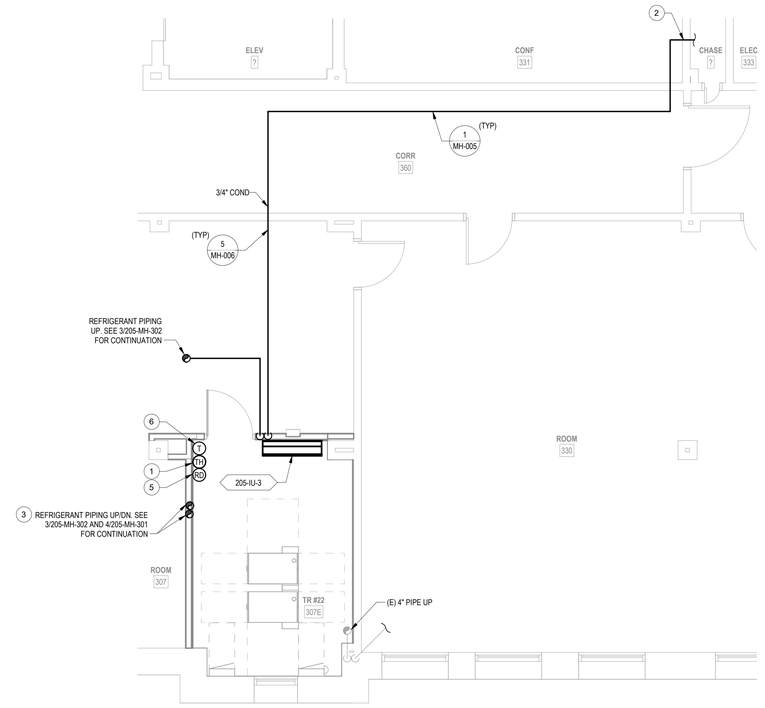
PLAN NOTES

1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. ROUTE 3/4" CONDENSATE FROM INDOOR CRAC UNIT TO THIS LOCATION. CONNECT TO (E) WASTE WITH NEW AIRGAP FITTING.
3. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
4. REFER TO ARCHITECTURAL DETAIL 3/00-GI-012 FOR ROOF MECHANICAL EQUIPMENT MOUNTING DETAIL.
5. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
6. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
7. DEMOLISH EXISTING MECHANICAL EQUIPMENT AND ANY ASSOCIATED PIPING BACK TO MAIN BRANCH AND CAP. DEMOLISH ANY ASSOCIATED CONTROLS AND WIRING BACK TO NEAREST CONTROL PANEL OR JUNCTION BOX.



1 LEVEL 3 307E TR #22 HVAC DEMOLITION PLAN

1/4" = 1'-0"



2 LEVEL 3 307E TR #22 HVAC PLAN

1/4" = 1'-0"

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E:

GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS · ENGINEERS

STAMP

STATE OF ALASKA · 49TH · SCOTTEN BLAIR · ME-132203 · REGISTERED MECHANICAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

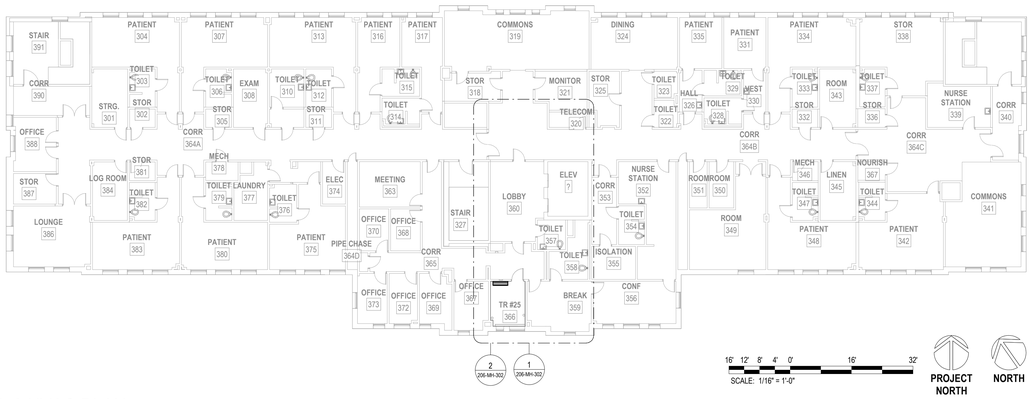
VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 205 ENLARGED HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	BUILDING NUMBER: 205
		ISSUE DATE: NOVEMBER 11, 2025 / CHECKED BY: JB / DRAWN BY: KT	DRAWING NUMBER: 205-MH-302

REISSUED 02-18-2026

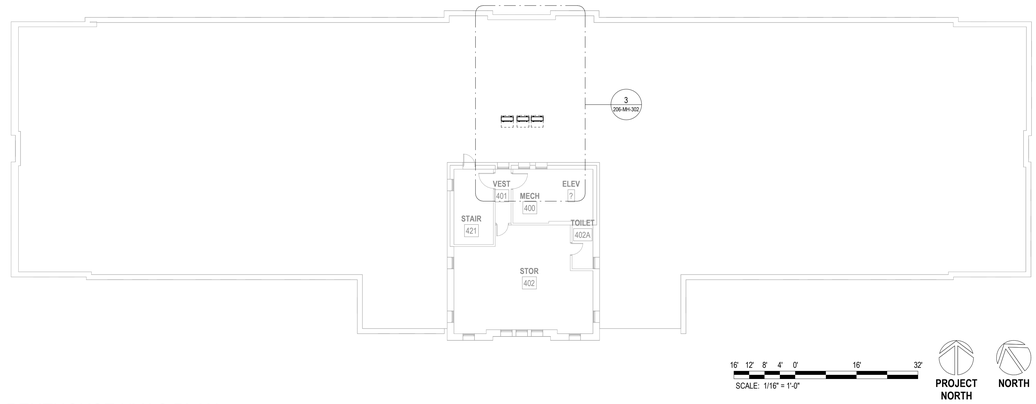
VA FORM 08 - 6231

Autodesk Docs://2117_VA Medical Center - Togus ME/22-055 Togus EHRM_B-205_Mechanical - 2025.rvt
11/3/2025 6:10:41 PM



3 LEVEL 3 HVAC PLAN

1/16" = 1'-0"

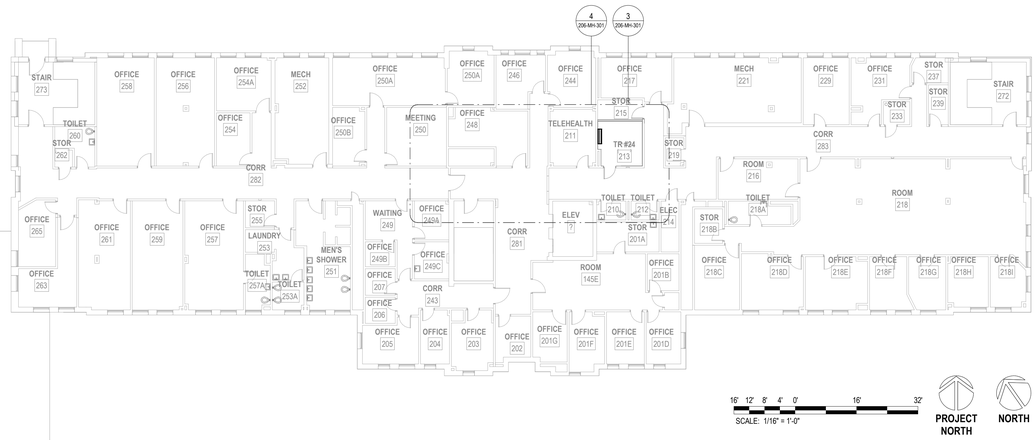


4 PENTHOUSE HVAC PLAN

1/16" = 1'-0"

1 LEVEL 1 HVAC PLAN

1/16" = 1'-0"



2 LEVEL 2 HVAC PLAN

1/16" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49 TH SCOTTEN BLAIR ME-132203 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 206 HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER: 206
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: 206-MH-201
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	

REISSUED 02-18-2026

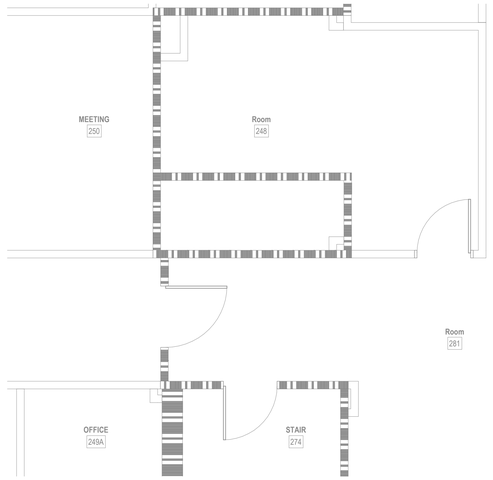
VA FORM 08 - 6231

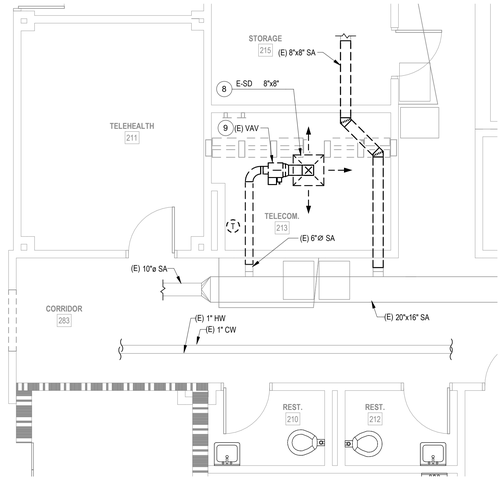
Autodesk Docs://22117_VA Medical Center - Togus ME/22-055 Togus EHRM_B-206_Mechanical - 2025.rvt

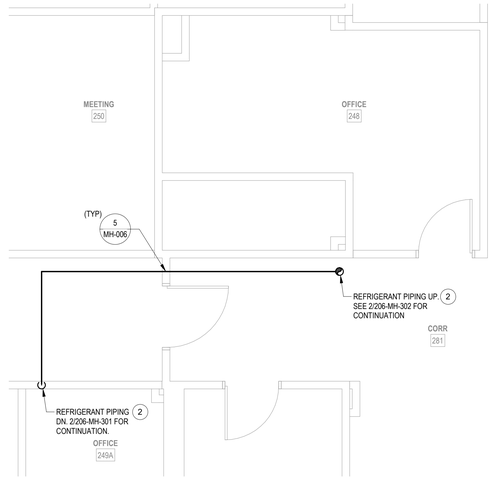
11/5/2025 7:38:41 PM

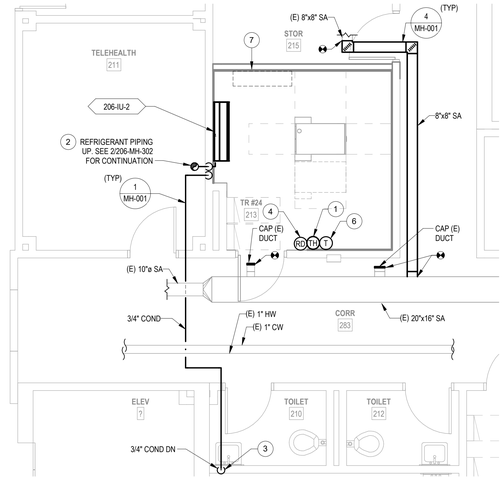
PLAN NOTES

1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
3. ROUTE 3/4" CONDENSATE FROM INDOOR UNIT TO THIS LOCATION. PROVIDE AIRGAP FITTING WITH ACCESS HATCH. DEMOLISH AND PATCH WALL AS NECESSARY.
4. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
5. ROUTE 3/4" COND FROM INDOOR UNIT TO (E) PIPE CONNECTIONS LEFT FROM DEMOLISHED OR ABANDONED SINK. PROVIDE AIRGAP FITTING WITH ACCESS HATCH FOR CONDENSATE CONNECTION TO (E) WASTE.
6. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
7. FUTURE UNIT. NOT UNDER THIS CONTRACT.
8. DEMOLISH EXISTING AIR TERMINAL AND ASSOCIATED DUCTWORK BACK TO BRANCH AND CAP.
9. DEMOLISH EXISTING MECHANICAL EQUIPMENT AND ANY ASSOCIATED PIPING BACK TO MAIN BRANCH AND CAP. DEMOLISH ANY ASSOCIATED CONTROLS AND WIRING BACK TO NEAREST CONTROL PANEL OR JUNCTION BOX.
10. REMOVE AND RELOCATE EXISTING VAV BOX AND HEATING COIL. DEMOLISH EXISTING HWS AND HWR PIPING AS NECESSARY TO RECONNECT TO RELOCATED EXISTING EQUIPMENT. DEMOLISH DUCTWORK AS NECESSARY TO RECONNECT TO RELOCATED EXISTING EQUIPMENT.
11. RELOCATED EXISTING VAV BOX. PROVIDE NEW PIPING TO RECONNECT TO EXISTING PIPING. PROVIDE NEW DUCTWORK TO RECONNECT TO EXISTING DUCTWORK.







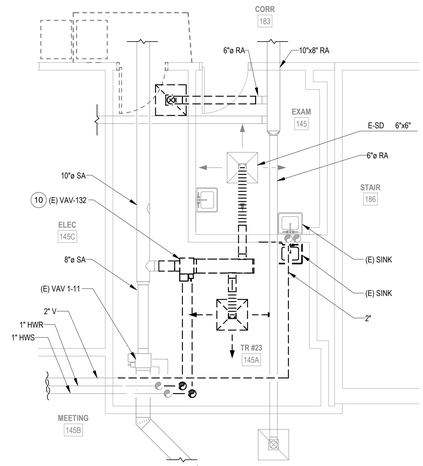


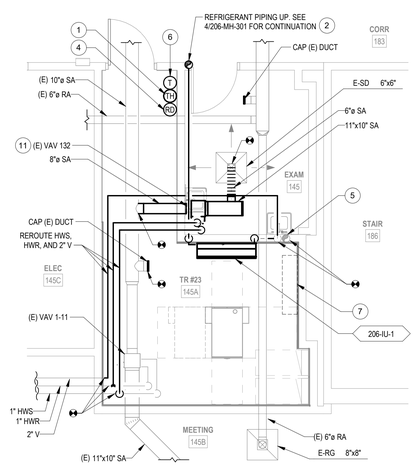
3 LEVEL 2 213 TR #24 HVAC DEMOLITION PLAN

1/4" = 1'-0"

4 LEVEL 2 213 TR #24 HVAC PLAN

1/4" = 1'-0"





1 LEVEL 1 145A TR #23 HVAC DEMOLITION PLAN

1/4" = 1'-0"

2 LEVEL 1 145A TR #23 HVAC PLAN

1/4" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

NORTH

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E

GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 206 ENLARGED HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	BUILDING NUMBER: 206
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	DRAWING NUMBER: 206-MH-301

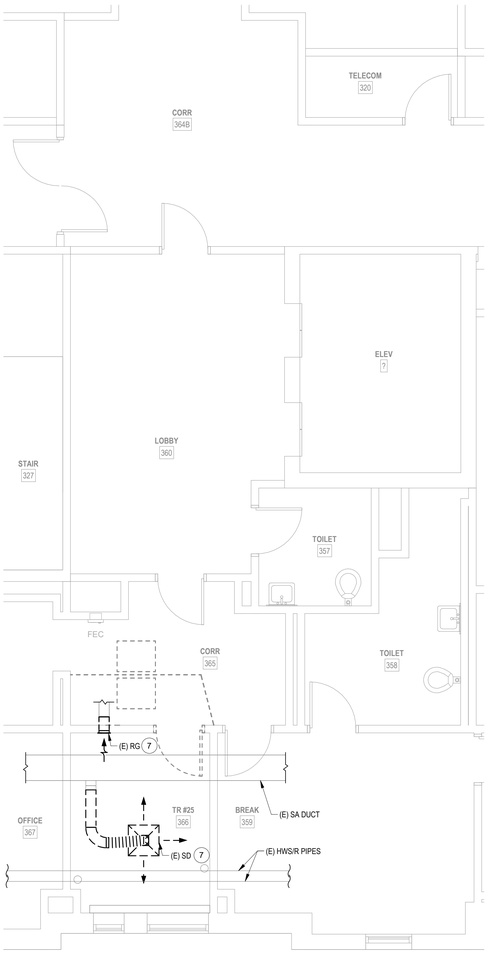
REISSUED 02-18-2026

VA FORM 08 - 6231

Autodesk Docs://22117_VA Medical Center - Togus ME/22-065 Togus EHRM_B-206_Mechanical - 2025.rvt
11/5/2025 7:38:42 PM

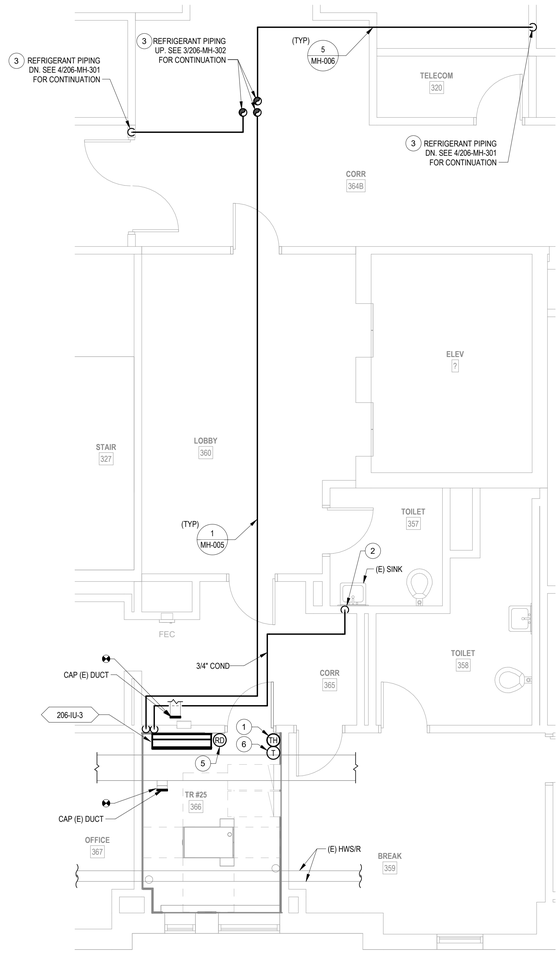
PLAN NOTES

1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. ROUTE 3/4" CONDENSATE FROM INDOOR UNIT TO THIS LOCATION. PROVIDE AIRGAP FITTING WITH ACCESS HATCH. DEMOLISH AND PATCH WALL AS NECESSARY.
3. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
4. REFER TO ARCHITECTURAL DETAIL 3/00-GI-012 FOR ROOF MECHANICAL EQUIPMENT MOUNTING DETAIL.
5. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
6. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
7. DEMOLISH EXISTING AIR TERMINAL AND ASSOCIATED DUCTWORK BACK TO BRANCH AND CAP.



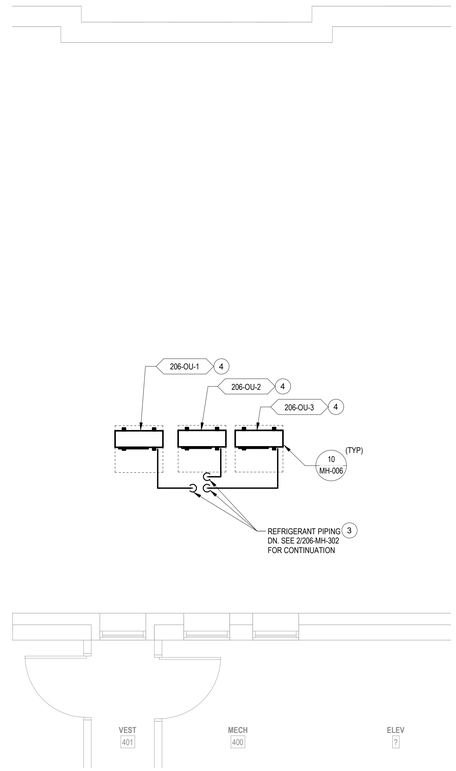
1 LEVEL 3 366 TR #25 HVAC DEMOLITION PLAN

1/4" = 1'-0"



2 LEVEL 3 366 TR #25 HVAC PLAN

1/4" = 1'-0"



3 ROOF HVAC PLAN

1/4" = 1'-0"

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

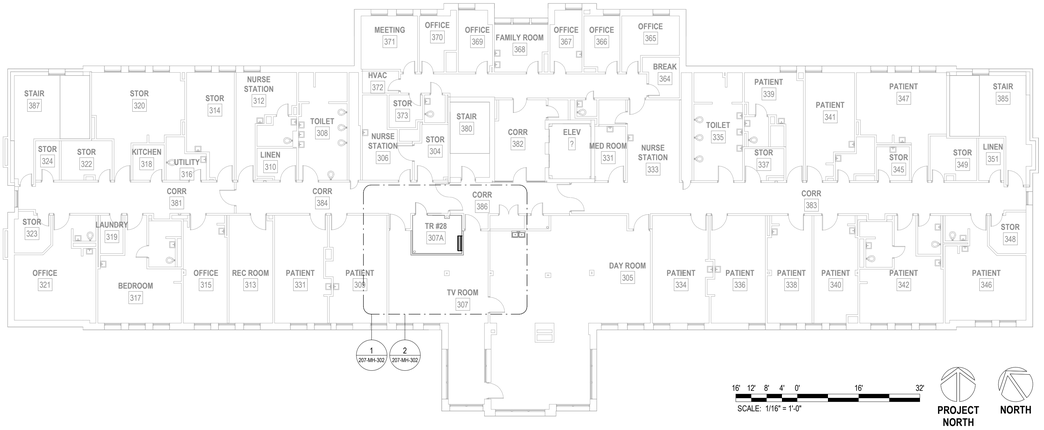
VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 206 ENLARGED HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER: 206
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: 206-MH-302
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	

REISSUED 02-18-2026

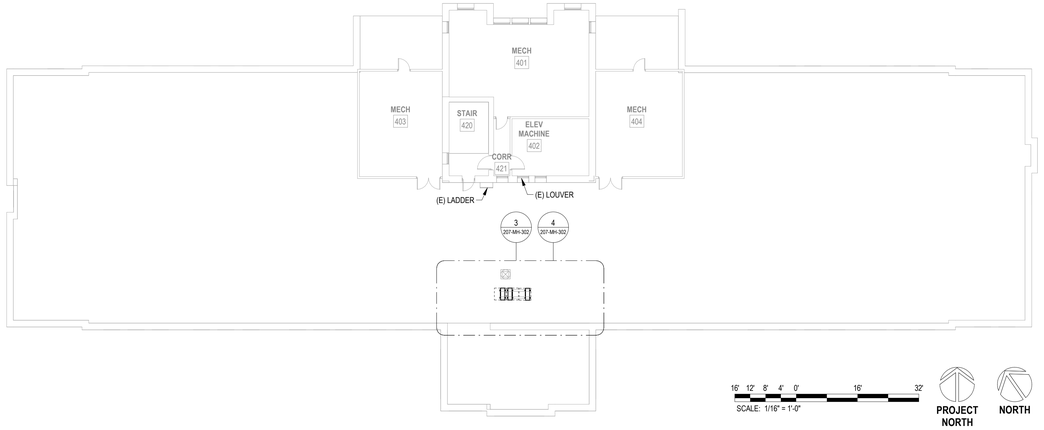
Autodesk Docs://22117_VA Medical Center - Togus ME\22-055 Togus EHRM_B-206_Mechanical - 2025.rvt
11/5/2025 7:38:43 PM

VA FORM 08 - 6231



3 LEVEL 3 HVAC PLAN

1/16" = 1'-0"



4 PENTHOUSE HVAC PLAN

1/16" = 1'-0"

1 LEVEL 1 HVAC PLAN

1/16" = 1'-0"

2 LEVEL 2 HVAC PLAN

1/16" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

Revisions:	Date:

CONSULTANT
MECHANICAL ENGINEER

ARCHITECT/ENGINEER OF RECORD
A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP
STATE OF ALASKA 49TH
REGISTERED PROFESSIONAL ENGINEER
SCOTTEN BLAIR
ME-132203

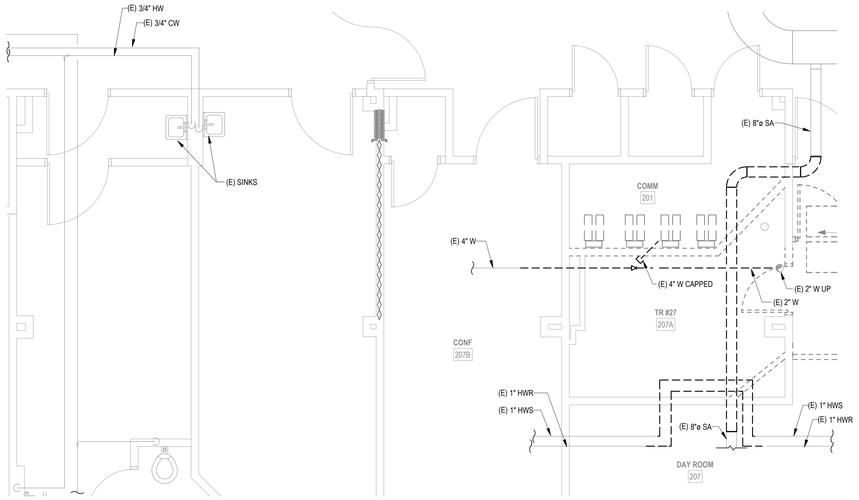
PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)
VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 207 HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER: 207
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: 207-MH-201
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	

REISSUED 02-18-2026

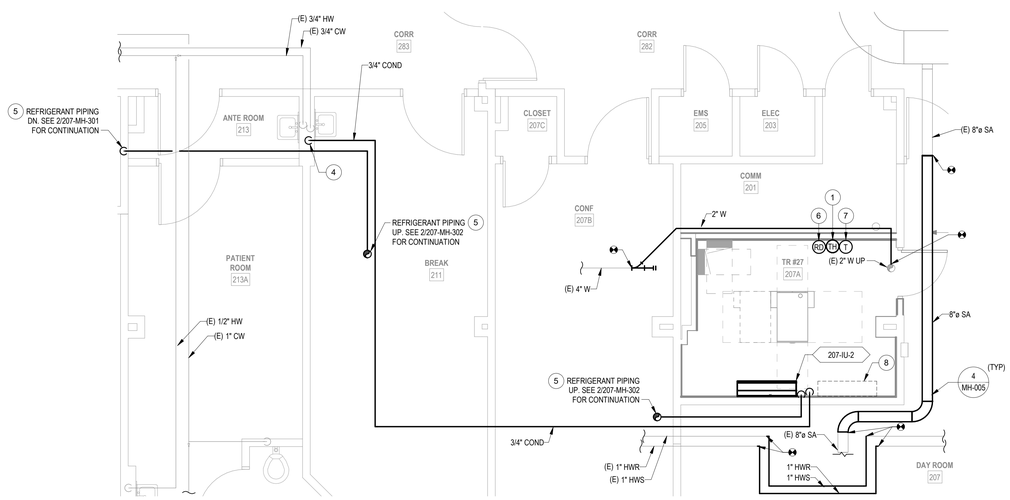
VA FORM 08 - 6231

11/5/2025 7:43:13 PM
Autodesk Docs://22117_VA Medical Center - Togus ME/22-055 Togus EHRM_B-207_Mechanical - 2025.rvt



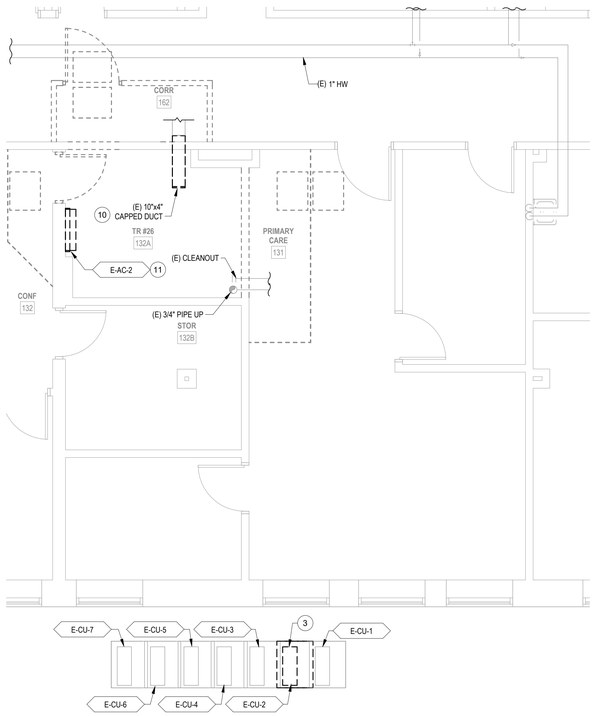
3 LEVEL 2 207A TR #27 HVAC DEMOLITION PLAN

1/4" = 1'-0"



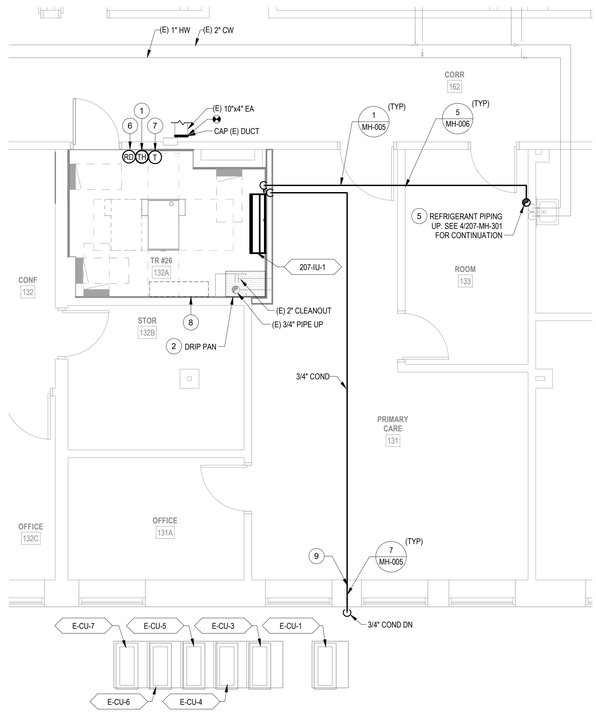
4 LEVEL 2 207A TR #27 HVAC PLAN

1/4" = 1'-0"



1 LEVEL 1 132A TR #26 HVAC DEMOLITION PLAN

1/4" = 1'-0"



2 LEVEL 1 132A TR #26 HVAC PLAN

1/4" = 1'-0"

PLAN NOTES

1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. PROVIDE WELDED SEAMLESS STAINLESS STEEL DRIP PAN BELOW ALL PIPING CONVEYING FLUIDS ABOVE DATA OR ELECTRICAL EQUIPMENT. DRIP PAN SHALL EXTEND 2" MINIMUM FROM BOTH SIDES OF PIPE AND 2" BEYOND FOOTPRINT OF DATA OR ELECTRICAL EQUIPMENT BELOW. SLOPE TO CONDENSATE PUMP. ROUTE CONDENSATE FROM PUMP TO INDOOR UNIT CONDENSATE PIPING WITH CHECK VALVE. PROVIDE LIQUID DETECTOR IN DRIP PAN AND CONNECT TO DDC SYSTEM. REFER TO DETAIL 8/MH-006.
3. DEMOLISH (E) CONDENSING UNIT TIED TO E-AC-2 AND ALL ASSOCIATED PIPING, CONTROLS AND WIRING BACK TO NEAREST CONTROL PANEL OR JUNCTION BOX.
4. ROUTE 3/4" CONDENSATE FROM INDOOR CRAC UNIT TO THIS LOCATION. PROVIDE AIRGAP FITTING WITH ACCESS HATCH. DEMOLISH AND PATCH WALL AS NECESSARY.
5. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
6. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
7. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
8. FUTURE UNIT. NOT UNDER THIS CONTRACT.
9. SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
10. DEMOLISH ABANDONED DUCTWORK IN TR BACK TO BRANCH AND CAP.
11. DEMOLISH EXISTING MECHANICAL EQUIPMENT AND ANY ASSOCIATED PIPING BACK TO MAIN BRANCH AND CAP. DEMOLISH ANY ASSOCIATED CONTROLS AND WIRING BACK TO NEAREST CONTROL PANEL OR JUNCTION BOX.

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

Revisions:	Date:

CONSULTANT
MECHANICAL ENGINEER

ARCHITECT/ENGINEER OF RECORD
A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM
GDM ARCHITECTS • ENGINEERS

STAMP
STATE OF ALASKA 49TH
SCOTTEN BLAIR
ME-132203
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)
VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 207 ENLARGED HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER: 207
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: 207-MH-301
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	

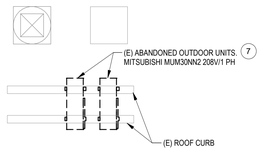
REISSUED 02-18-2026

Autodesk Docs://22117_VA Medical Center – Togus ME/22-065 Togus EHRM_B-207_Mechanical - 2025.rvt
11/6/2025 7:43:14 PM

VA FORM 08 - 6231

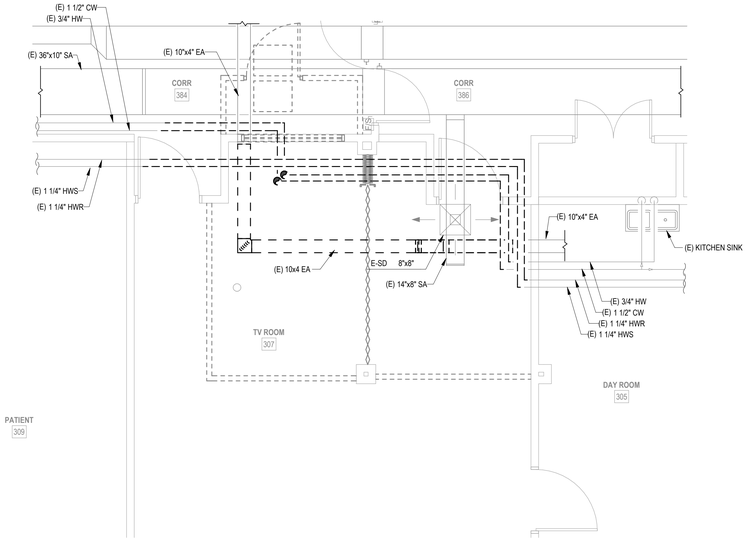
PLAN NOTES

1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
3. ROUTE 3/4" CONDENSATE FROM INDOOR CRAC UNIT TO THIS LOCATION. PROVIDE AIRGAP FITTING WITH ACCESS HATCH. DEMOLISH AND PATCH WALL AS NECESSARY.
4. REFER TO ARCHITECTURAL DETAIL 3/00-GI-012 FOR ROOF MECHANICAL EQUIPMENT MOUNTING DETAIL.
5. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
6. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
7. DEMOLISH EXISTING MECHANICAL EQUIPMENT AND ANY ASSOCIATED PIPING BACK TO MAIN BRANCH AND CAP. DEMOLISH ANY ASSOCIATED CONTROLS AND WIRING BACK TO NEAREST CONTROL PANEL OR JUNCTION BOX.



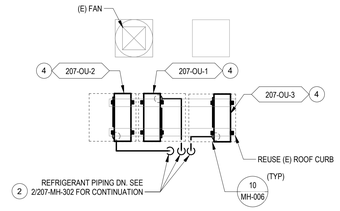
3 ROOF HVAC DEMOLITION PLAN

1/4" = 1'-0"



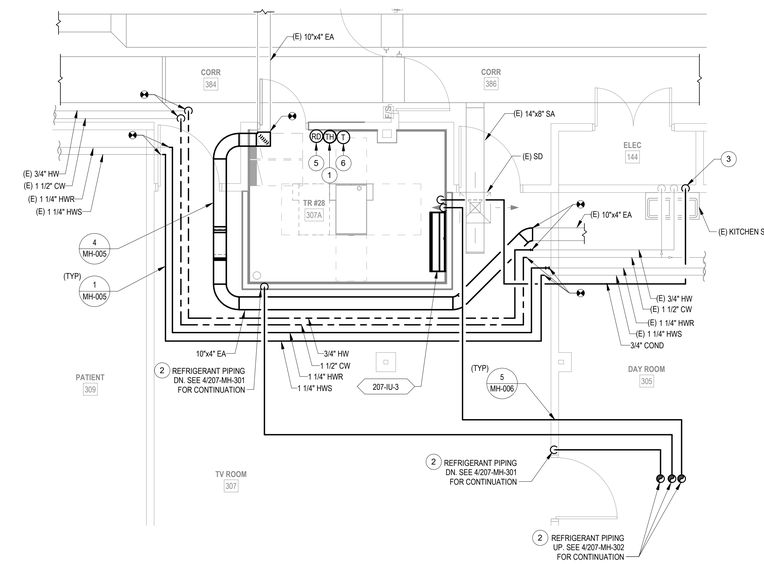
1 LEVEL 3 307A TR #28 HVAC DEMOLITION PLAN

1/4" = 1'-0"



4 ROOF HVAC PLAN

1/4" = 1'-0"



2 LEVEL 3 307A TR #28 HVAC PLAN

1/4" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

Revisions:	Date:

CONSULTANT
MECHANICAL ENGINEER

ARCHITECT/ENGINEER OF RECORD
A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP
STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)
VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 207 ENLARGED HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	BUILDING NUMBER: 207
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	DRAWING NUMBER: 207-MH-302

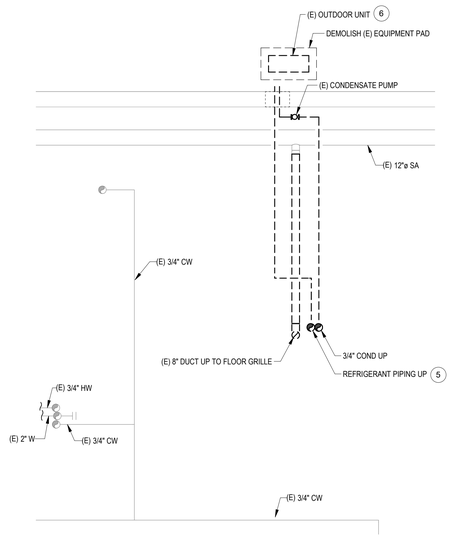
REISSUED 02-18-2026

VA FORM 08 - 6231

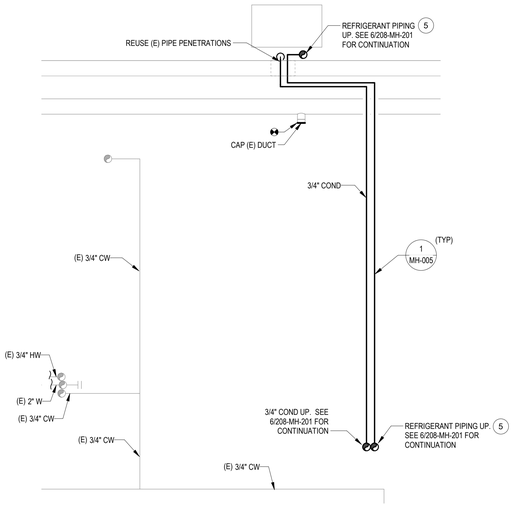
Autodesk Docs://22117_VA Medical Center - Togus ME/22-065 Togus EHRM_B-207_Mechanical - 2025.rvt
11/6/2025 7:43:15 PM

PLAN NOTES

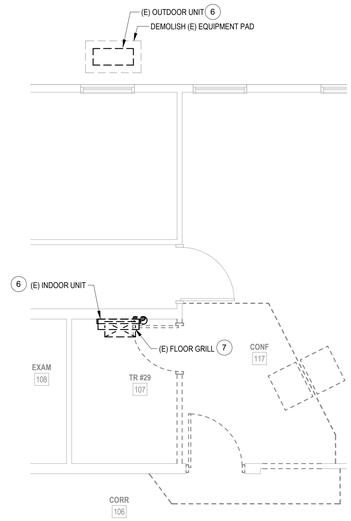
1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
3. REFER TO ARCHITECTURAL DETAIL 1/00-GI-012 FOR OUTDOOR MECHANICAL UNIT PROTECTION DETAIL.
4. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
5. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
6. DEMOLISH EXISTING MECHANICAL EQUIPMENT AND ANY ASSOCIATED PIPING BACK TO MAIN BRANCH AND CAP. DEMOLISH ANY ASSOCIATED CONTROLS AND WIRING BACK TO NEAREST CONTROL PANEL OR JUNCTION BOX.
7. DEMOLISH EXISTING AIR TERMINAL AND ASSOCIATED DUCTWORK BACK TO BRANCH AND CAP.



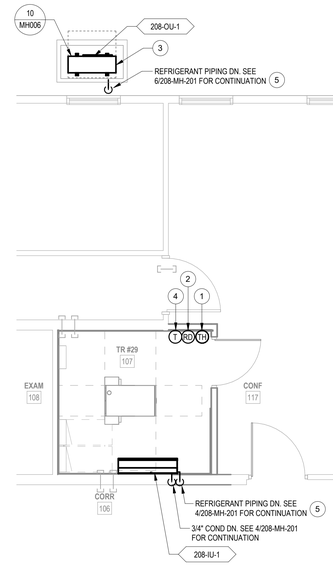
3 BASEMENT 107 TR#29 HVAC DEMOLITION PLAN
1/4" = 1'-0"



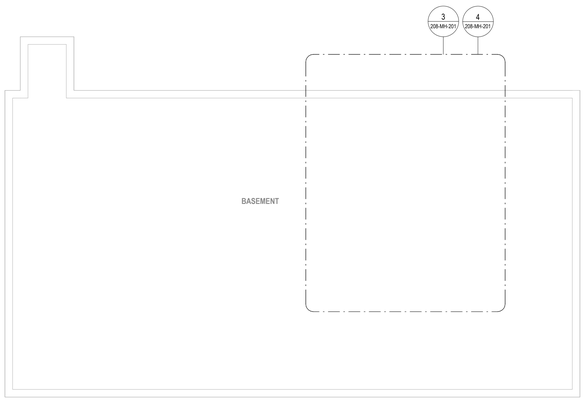
4 BASEMENT 107 TR#29 HVAC PLAN
1/4" = 1'-0"



5 LEVEL 1 107 TR #29 HVAC DEMOLITION PLAN
1/4" = 1'-0"

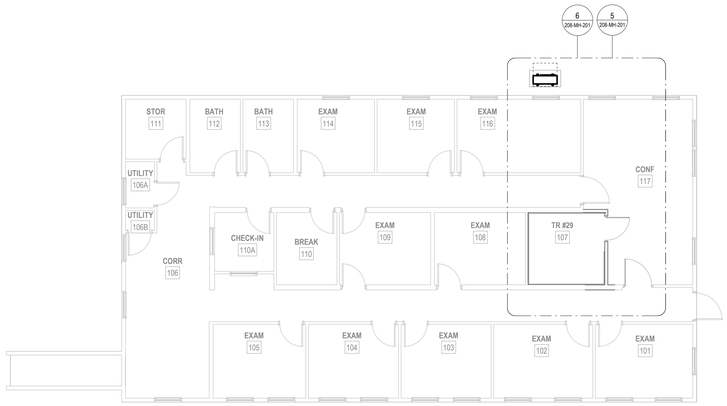


6 LEVEL 1 107 TR #29 HVAC PLAN
1/4" = 1'-0"



1 BASEMENT HVAC PLAN
1/8" = 1'-0"

SCALE: 1/8" = 1'-0"
16' 8' 0' 2' 4' 6' 8'
PROJECT NORTH
NORTH



2 LEVEL 1 HVAC PLAN
1/8" = 1'-0"

SCALE: 1/8" = 1'-0"
16' 8' 0' 2' 4' 6' 8'
PROJECT NORTH
NORTH

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

Revisions:	Date:

CONSULTANT
MECHANICAL ENGINEER

ARCHITECT/ENGINEER OF RECORD
A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP
STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 208 HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER: 208
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: 208-MH-201
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	

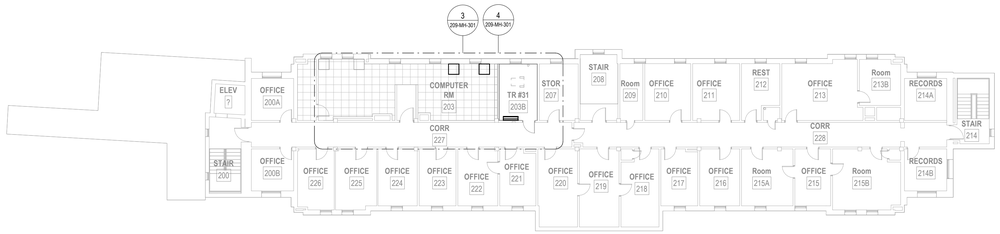
REISSUED 02-18-2026

VA FORM 08 - 6231

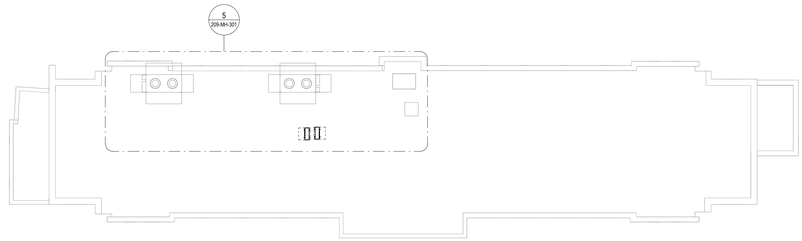
Autodesk Docs://22117_VA Medical Center - Togus ME/22-065 Togus EHRM_B-208_Mechanical - 2025.rvt
11/5/2025 7:46:16 PM

PLAN NOTES

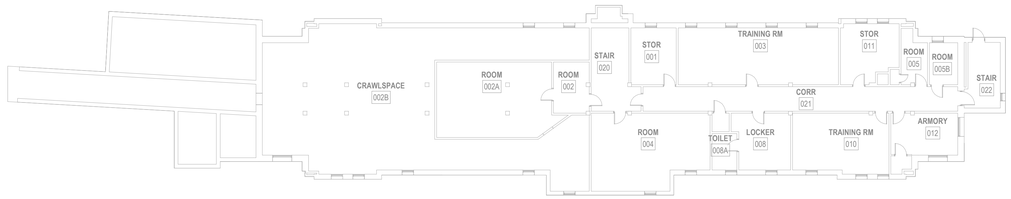
1 REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.



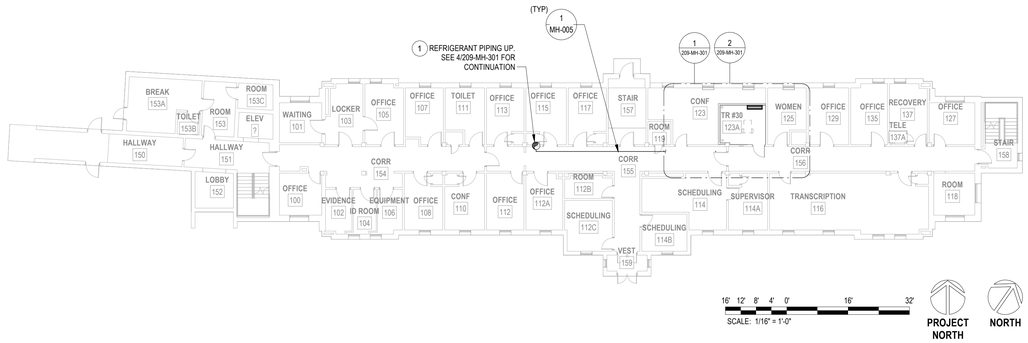
3 LEVEL 2 HVAC PLAN
1/16" = 1'-0"



4 ROOF HVAC PLAN
1/16" = 1'-0"



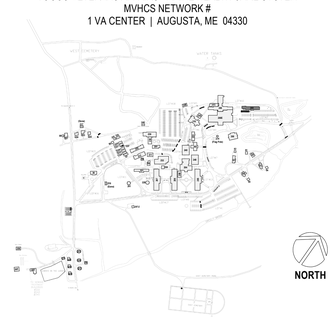
1 BASEMENT HVAC PLAN
1/16" = 1'-0"



2 LEVEL 1 HVAC PLAN
1/16" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330



Revisions:	Date:

CONSULTANT
CONSULTANT

ARCHITECT/ENGINEER OF RECORD
A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM
GDM ARCHITECTS • ENGINEERS

STAMP
STATE OF ALASKA 49TH SCOTTEN BLAIR ME-13220 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)
VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 209 HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER: 209
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: 209-MH-201
		ISSUE DATE: NOVEMBER 11, 2025 / CHECKED BY: JB / DRAWN BY: KT	

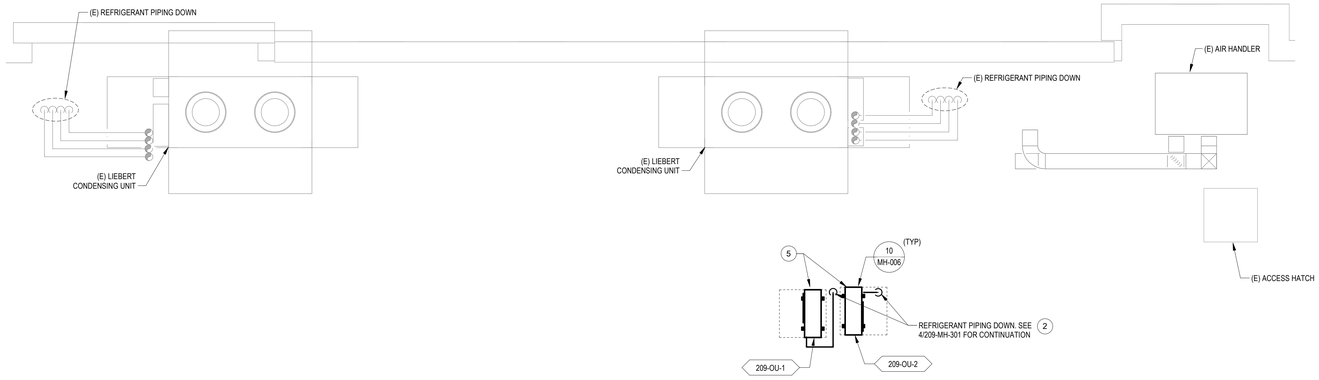
REISSUED 02-18-2026

VA FORM 08 - 6231

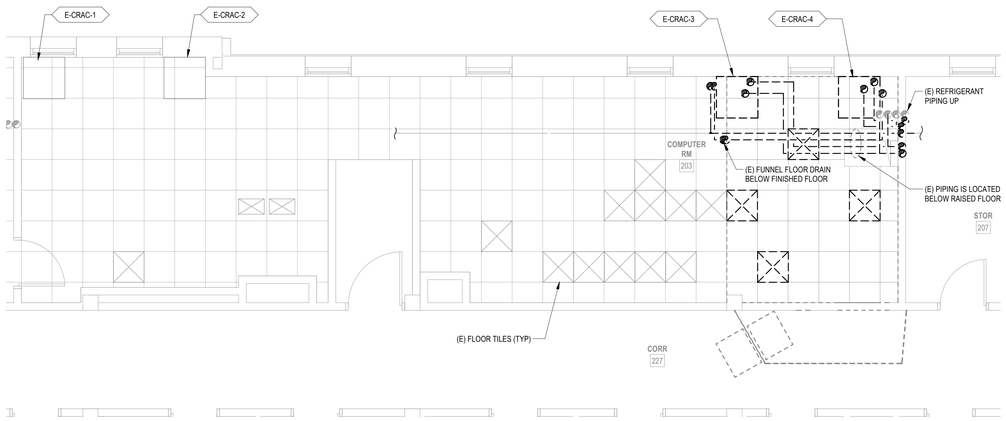
Autodesk Docs://22117_VA Medical Center - Togus ME\22-065 Togus EHRM_B-209_Mechanical - 2025.rvt
11/5/2025 3:56:02 PM

PLAN NOTES

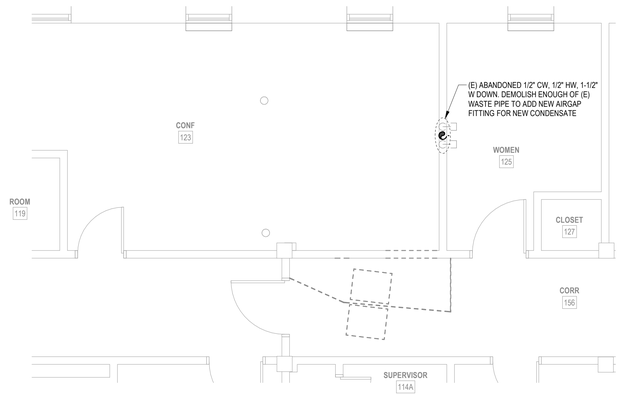
1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
3. RELOCATE (E) CRAC UNIT. REROUTE AND RECONNECT 1/2" CW BELOW RAISED FLOOR TO NEW LOCATION OF (E) CRAC UNIT. ROUTE NEW 3/4" CONDENSATE LINES TO EXISTING FUNNEL DRAIN BELOW RAISED FLOOR.
4. ROUTE 1/2" CW AND 3/4" COND FROM INDOOR UNIT TO (E) PIPE CONNECTIONS LEFT FROM DEMOLISHED OR ABANDONED SINK. PROVIDE AIRGAP FITTING WITH ACCESS HATCH FOR CONDENSATE CONNECTION TO (E) WASTE.
5. REFER TO ARCHITECTURAL DETAIL 3/00-GI-012 FOR ROOF MECHANICAL EQUIPMENT MOUNTING DETAIL.
6. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
7. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
8. FUTURE UNIT. NOT UNDER THIS CONTRACT.



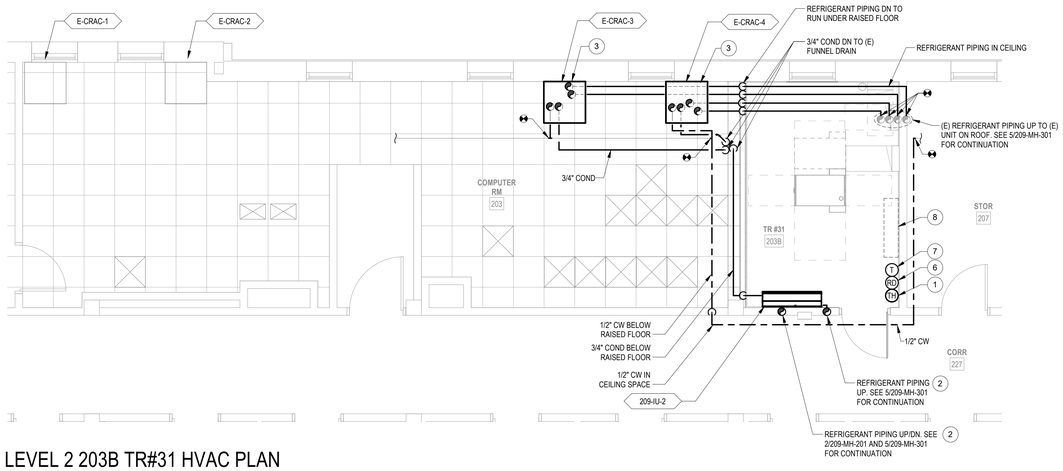
5 ROOF HVAC PLAN
1/4" = 1'-0"



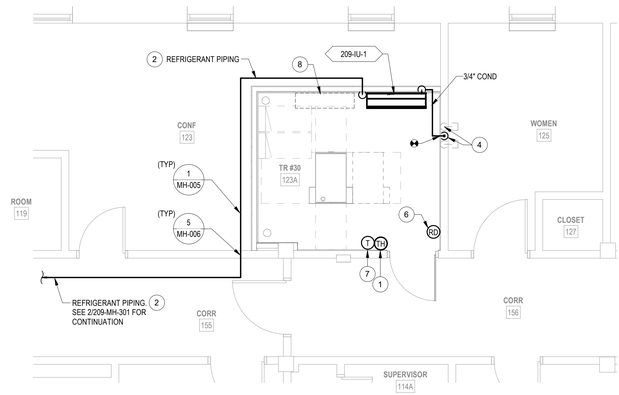
3 LEVEL 2 203B TR#31 HVAC DEMOLITION PLAN
1/4" = 1'-0"



1 LEVEL 1 123A TR #30 HVAC DEMOLITION PLAN
1/4" = 1'-0"



4 LEVEL 2 203B TR#31 HVAC PLAN
1/4" = 1'-0"



2 LEVEL 1 123A TR #30 HVAC PLAN
1/4" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

NORTH

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49 TH
SCOTTEN BLAIR
ME-132203
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

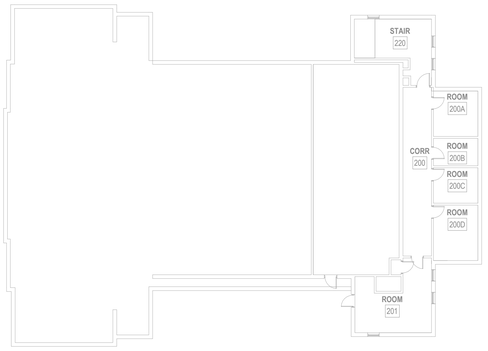
VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 209 ENLARGED HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER: 209
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: 209-MH-301
		ISSUE DATE: NOVEMBER 11, 2025 / CHECKED BY: JB / DRAWN BY: KT	

REISSUED 02-18-2026

VA FORM 08 - 6231

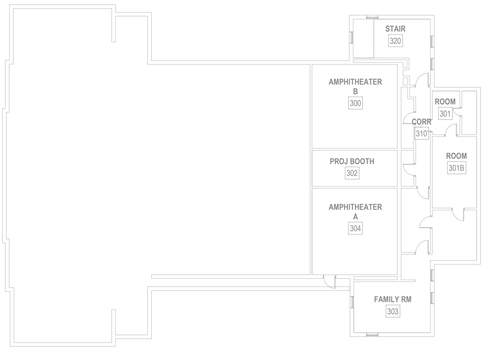
Autodesk Docs://22117_VA Medical Center - Togus ME/22-065 Togus EHRM_B-209_Mechanical - 2025.rvt
11/5/2025 3:56:02 PM



16' 12' 8' 4' 0' 16' 32'
SCALE: 1/16" = 1'-0"

PROJECT NORTH NORTH

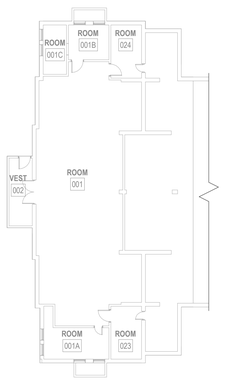
3 LEVEL 2 HVAC PLAN
1/16" = 1'-0"



16' 12' 8' 4' 0' 16' 32'
SCALE: 1/16" = 1'-0"

PROJECT NORTH NORTH

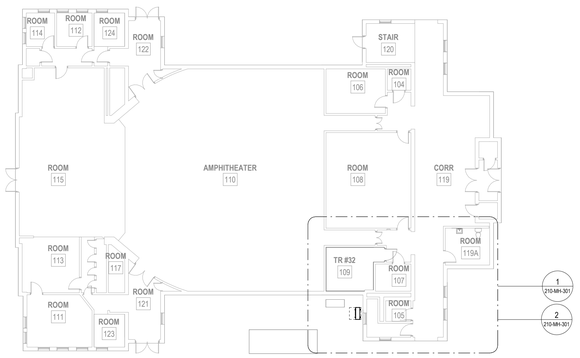
4 LEVEL 3 HVAC PLAN
1/16" = 1'-0"



16' 12' 8' 4' 0' 16' 32'
SCALE: 1/16" = 1'-0"

PROJECT NORTH NORTH

1 BASEMENT HVAC PLAN
1/16" = 1'-0"



16' 12' 8' 4' 0' 16' 32'
SCALE: 1/16" = 1'-0"

PROJECT NORTH NORTH

2 LEVEL 1 HVAC PLAN
1/16" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

NORTH

Revisions:	Date:

CONSULTANT
ARCHITECT

ARCHITECT/ENGINEER OF RECORD
A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP
STATE OF ALASKA 49TH
SCOTTEN BLAIR
ME-132203
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)
VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 210 HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER: 210
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: 210-MH-201
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	

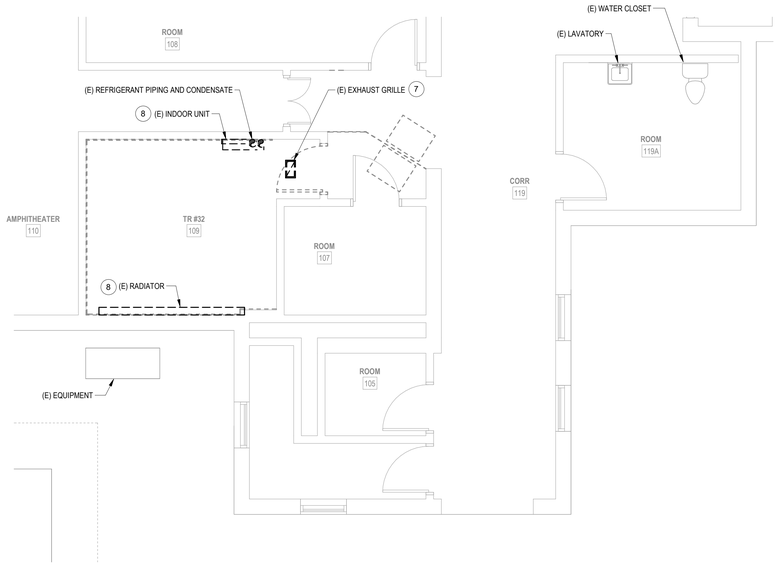
Autodesk Docs://22117_VA Medical Center - Togus ME\22-065 Togus EHRM_B-210_Mechanical - 2025.rvt
11/5/2025 7:55:44 PM

VA FORM 08 - 6231

REISSUED 02-18-2026

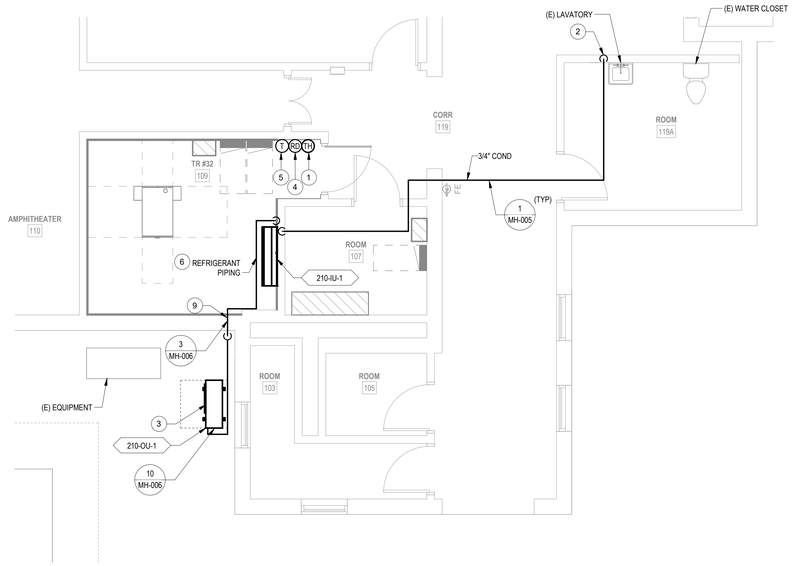
PLAN NOTES

1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. ROUTE 3/4" CONDENSATE FROM INDOOR CRAC UNIT TO THIS LOCATION. PROVIDE AIRGAP FITTING WITH ACCESS HATCH. DEMOLISH AND PATCH WALL AS NECESSARY.
3. REFER TO CIVIL DETAIL SHEET 00-CU-304 FOR MECHANICAL EQUIPMENT PAD MOUNTING DETAIL.
4. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
5. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
6. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
7. DEMOLISH EXISTING AIR TERMINAL AND ASSOCIATED DUCTWORK BACK TO BRANCH AND CAP.
8. DEMOLISH EXISTING MECHANICAL EQUIPMENT AND ANY ASSOCIATED PIPING BACK TO MAIN BRANCH AND CAP. DEMOLISH ANY ASSOCIATED CONTROLS AND WIRING BACK TO NEAREST CONTROL PANEL OR JUNCTION BOX.
9. SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.



1 LEVEL 1 109 TR #32 HVAC DEMOLITION PLAN

1/4" = 1'-0"

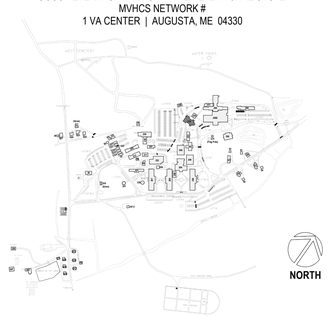


2 LEVEL 1 109 TR #32 HVAC PLAN

1/4" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330



NORTH

Revisions:	Date:

CONSULTANT

ARCHITECT

ARCHITECT/ENGINEER OF RECORD

A/E

GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS · ENGINEERS

STAMP

STATE OF ALASKA · 49TH · SCOTTEN BLAIR · ME-13220 · REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 210 ENLARGED HVAC PLANS

APPROVED:

PHASE: 100% CONSTRUCTION DOCUMENTS

FLS: FULLY SPRINKLERED

PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME

LOCATION: TOGUS VA MEDICAL CENTER

ISSUE DATE: NOVEMBER 10, 2025

CHECKED BY: JB

DRAWN BY: KT

PROJECT NUMBER: 402-22-700

BUILDING NUMBER: 210

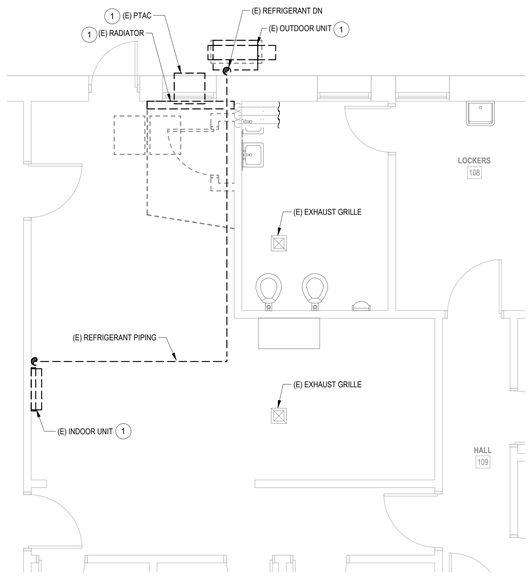
DRAWING NUMBER: 210-MH-301

REISSUED 02-18-2026

Autodesk Docs://22117_VA Medical Center - Togus ME/22-056 Togus EHRM_B-210_Mechanical - 2025.rvt

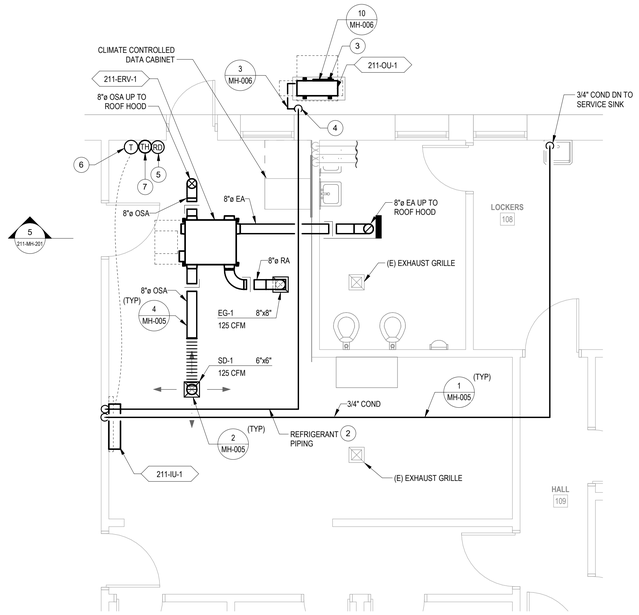
11/5/2025 7:55:44 PM

VA FORM 08 - 6231



3 LEVEL 1 - 107 TR #33 HVAC DEMOLITION PLAN

1/4" = 1'-0"

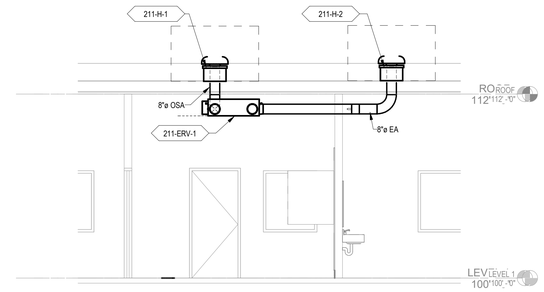


4 LEVEL 1 - 107 TR #33 HVAC PLAN

1/4" = 1'-0"

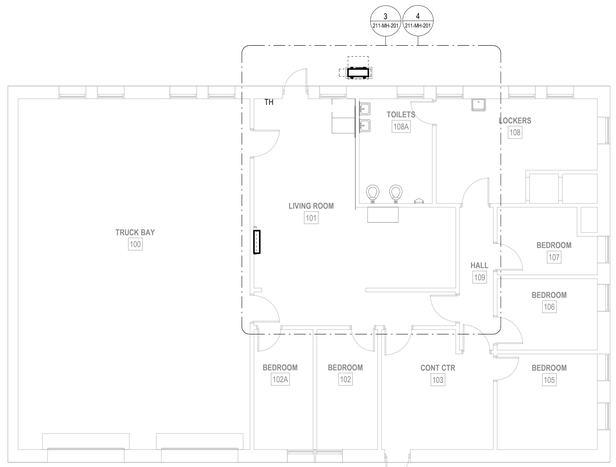
PLAN NOTES

1. DEMOLISH EXISTING MECHANICAL EQUIPMENT AND ANY ASSOCIATED PIPING BACK TO MAIN BRANCH AND CAP. DEMOLISH ANY ASSOCIATED CONTROLS AND WIRING BACK TO NEAREST CONTROL PANEL OR JUNCTION BOX.
2. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
3. REFER TO CIVIL DETAIL SHEET 00-CU-304 FOR MECHANICAL EQUIPMENT PAD MOUNTING DETAIL.
4. SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
5. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
6. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
7. PROVIDE COMBINATION TEMPERATURE AND HUMIDITY SENSORS INSTALLED AT LOW/MEDIUM/HIGH POSITIONS ON DATA CABINET. REFER TO DETAIL 3/MH-005 FOR INSTALLATION.



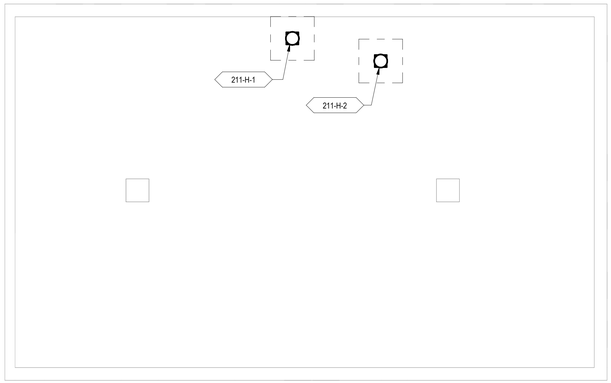
5 BUILDING 211 SECTION 1

1/4" = 1'-0"



1 LEVEL 1 HVAC PLAN

1/8" = 1'-0"



2 ROOF HVAC PLAN

1/8" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P. 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49TH
SCOTTEN BLAIR
ME-132203
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

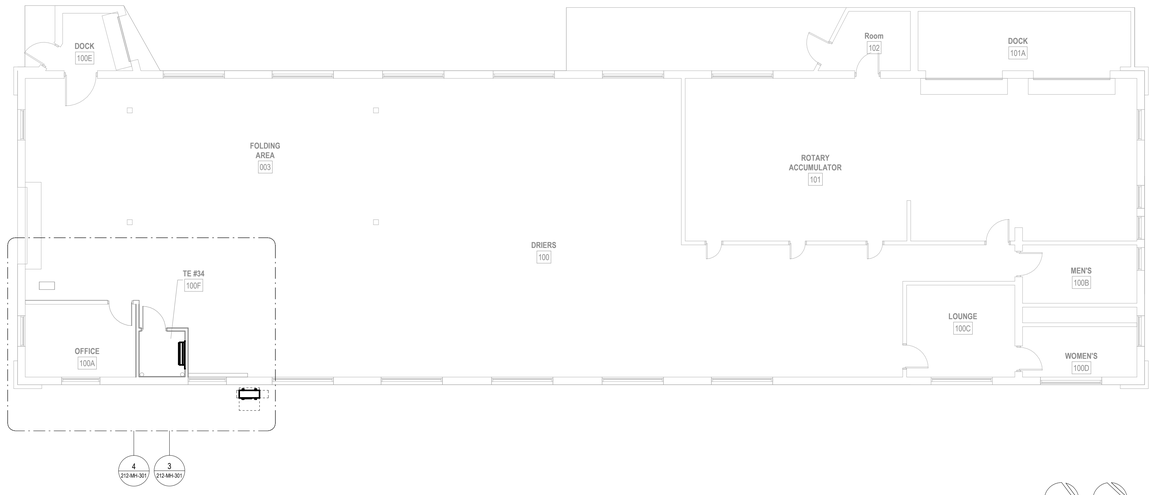
VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 211 HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER: 211
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: 211-MH-201
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	

VA FORM 08 - 6231

REISSUED 02-18-2026

Autodesk Docs://22117_VA Medical Center - Togus ME/22-055 Togus EHRM_B-211_Mechanical - 2025.rvt
11/6/2025 11:54:41 AM



8' 6' 4' 2' 0' 8' 16'

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

PROJECT NORTH

NORTH

2 LEVEL 1 HVAC PLAN

1/8" = 1'-0"

8' 6' 4' 2' 0' 8' 16'

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

PROJECT NORTH

NORTH

1 BASEMENT HVAC PLAN

1/8" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

NORTH

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E

GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS • ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 212 HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER: 212
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: 212-MH-201
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	

REISSUED 02-18-2026

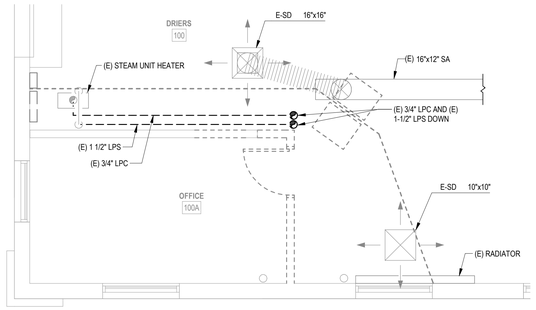
VA FORM 08 - 6231

Autodesk Docs://22117_VA Medical Center - Togus ME/22-065 Togus EHRM_B-212_Mechanical - 2025.rvt

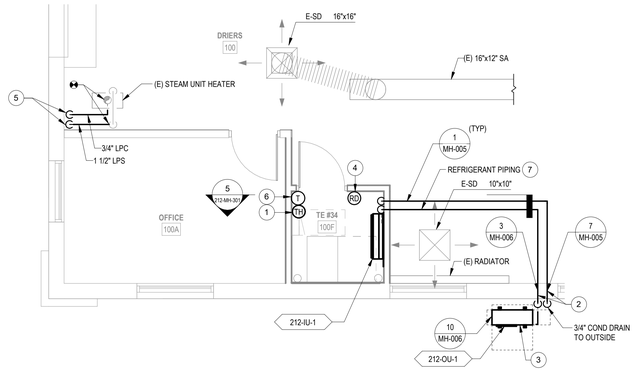
11/5/2025 8:12:21 PM

PLAN NOTES

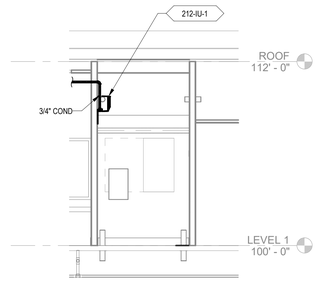
1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
3. REFER TO CIVIL DETAIL SHEET 00-CU-304 FOR MECHANICAL EQUIPMENT PAD MOUNTING DETAIL.
4. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
5. RECONNECT NEW STEAM PIPING TO EXISTING STEAM PIPING IN BASEMENT.
6. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
7. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.



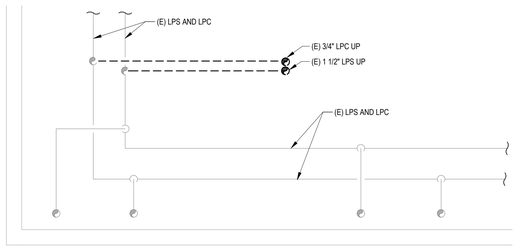
3 LEVEL 1 100F TE # 34 HVAC DEMOLITION PLAN
1/4" = 1'-0"



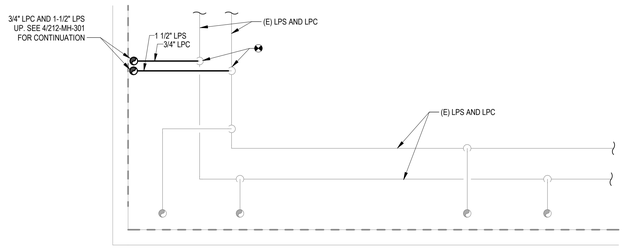
4 LEVEL 1 100F TE # 34 HVAC PLAN
1/4" = 1'-0"



5 BUILDING 212 SECTION 1
1/4" = 1'-0"



1 BASEMENT 003 HVAC DEMOLITION PLAN
1/4" = 1'-0"



2 BASEMENT 003 HVAC PLAN
1/4" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 212 ENLARGED HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	BUILDING NUMBER: 212
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	DRAWING NUMBER: 212-MH-301

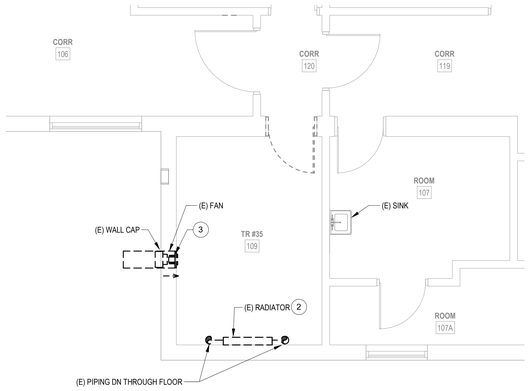
REISSUED 02-18-2026

VA FORM 08 - 6231

Autodesk Docs://22117_VA Medical Center - Togus ME/22-065 Togus EHRM_B-212_Mechanical - 2025.rvt
11/5/2025 8:12:21 PM

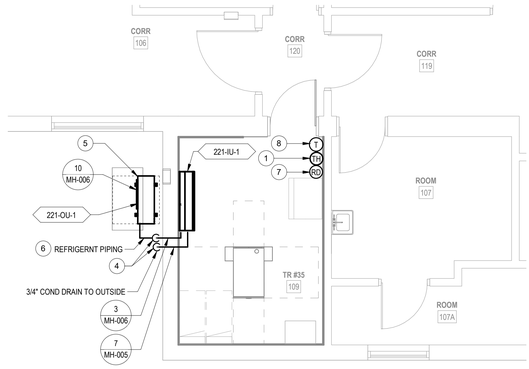
PLAN NOTES

1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. DEMOLISH EXISTING MECHANICAL EQUIPMENT AND ANY ASSOCIATED PIPING BACK TO MAIN BRANCH AND CAP. DEMOLISH ANY ASSOCIATED CONTROLS AND WIRING BACK TO NEAREST CONTROL PANEL OR JUNCTION BOX.
3. DEMOLISH EXISTING MECHANICAL EQUIPMENT AND ANY ASSOCIATED CONTROLS AND WIRING BACK TO NEAREST CONTROL PANEL OR JUNCTION BOX.
4. SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
5. REFER TO CIVIL DETAIL SHEET 00-CU-304 FOR MECHANICAL EQUIPMENT PAD MOUNTING DETAIL.
6. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
7. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
8. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.



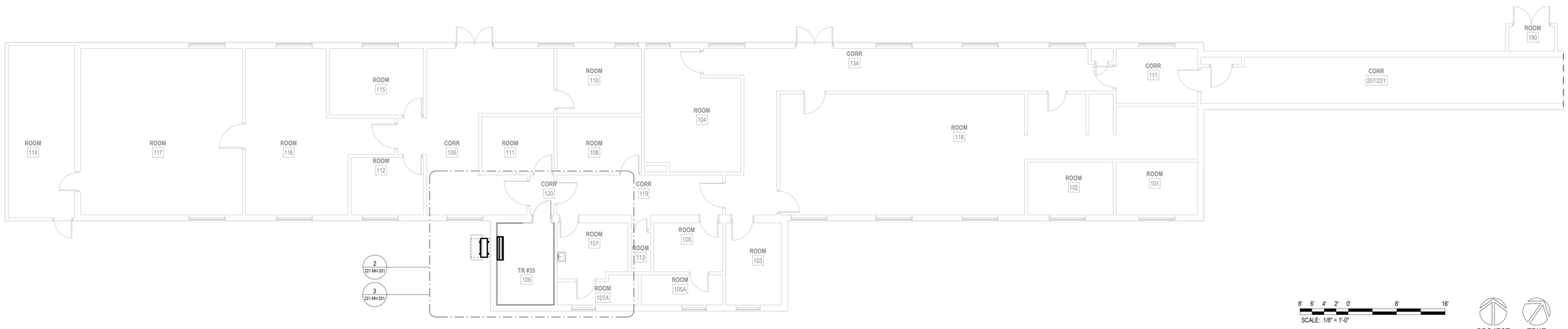
2 LEVEL 1 109 TR #35 HVAC DEMOLITION PLAN

1/4" = 1'-0"



3 LEVEL 1 109 TR #35 HVAC PLAN

1/4" = 1'-0"



1 LEVEL 1 HVAC PLAN

1/8" = 1'-0"

8' 6' 4' 2' 0' 8' 16'

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

PROJECT NORTH

TRUE NORTH

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

NORTH

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

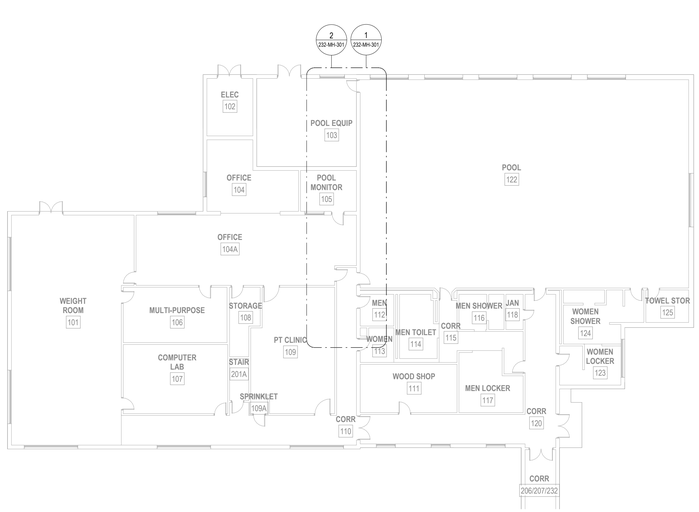
DRAWING TITLE: BUILDING 221 HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	BUILDING NUMBER: 221
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	DRAWING NUMBER: 221-MH-201

REISSUED 02-18-2026

VA FORM 08 - 6231

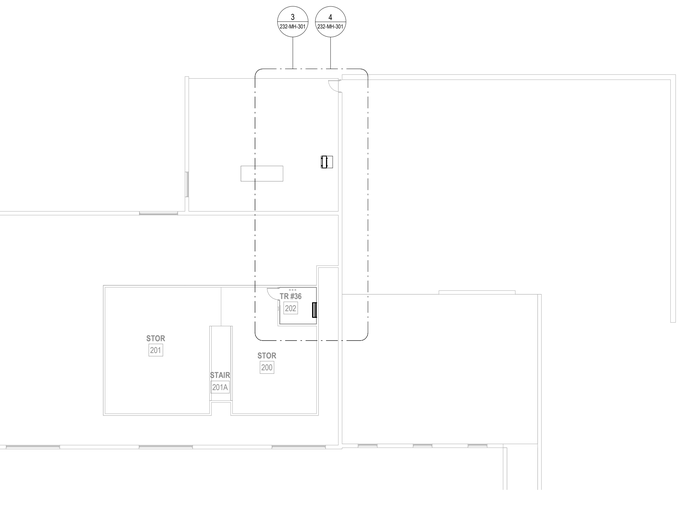
11/5/2025 8:27:33 PM

Autodesk Docs://22117_VA Medical Center - Togus ME/22-065 Togus EHRM_B-221_Mechanical - 2025.rvt



1 LEVEL 1 HVAC PLAN

1/16" = 1'-0"



2 LEVEL 2 HVAC PLAN

1/16" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

NORTH

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

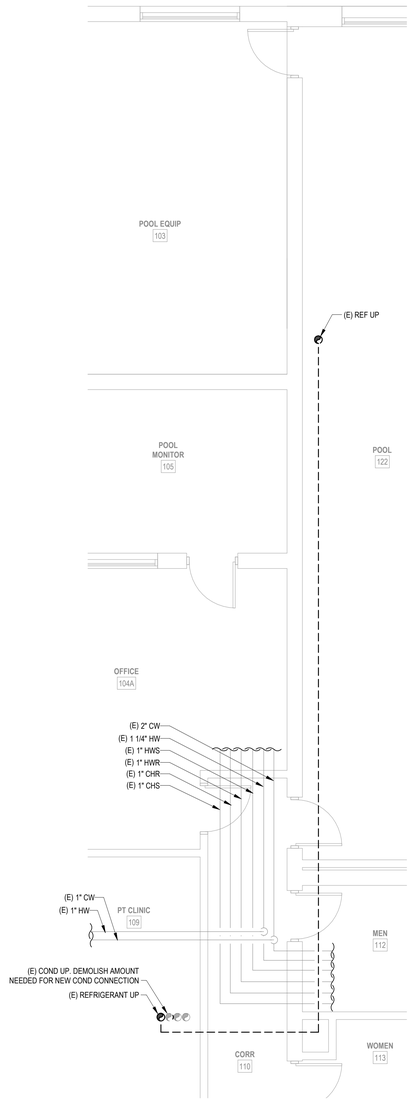
DRAWING TITLE: BUILDING 232 HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER: 232
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: 232-MH-201
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	

REISSUED 02-18-2026

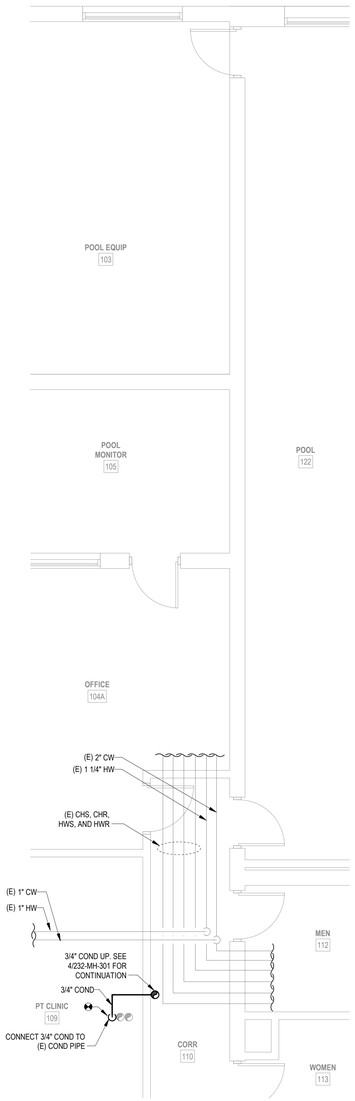
Autodesk Docs://22117_VA Medical Center - Togus ME/22-055 Togus EHRM_B-232_Mechanical - 2025.rvt
11/5/2025 8:32:28 PM
VA FORM 08 - 6231

PLAN NOTES

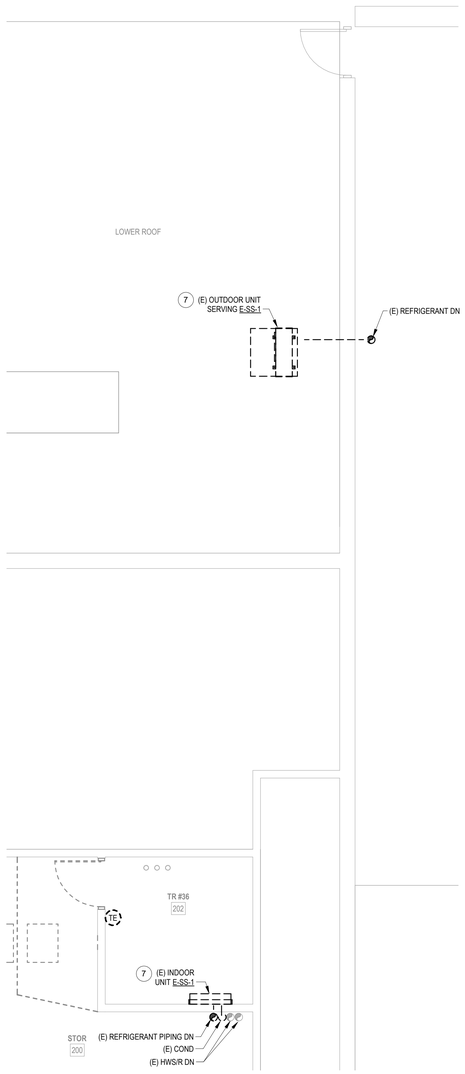
1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
3. REFER TO ARCHITECTURAL DETAIL 3/00-GI-012 FOR ROOF MECHANICAL EQUIPMENT MOUNTING DETAIL.
4. SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
5. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
6. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
7. DEMOLISH EXISTING MECHANICAL EQUIPMENT AND ANY ASSOCIATED PIPING BACK TO MAIN BRANCH AND CAP. DEMOLISH ANY ASSOCIATED CONTROLS AND WIRING BACK TO NEAREST CONTROL PANEL OR JUNCTION BOX.



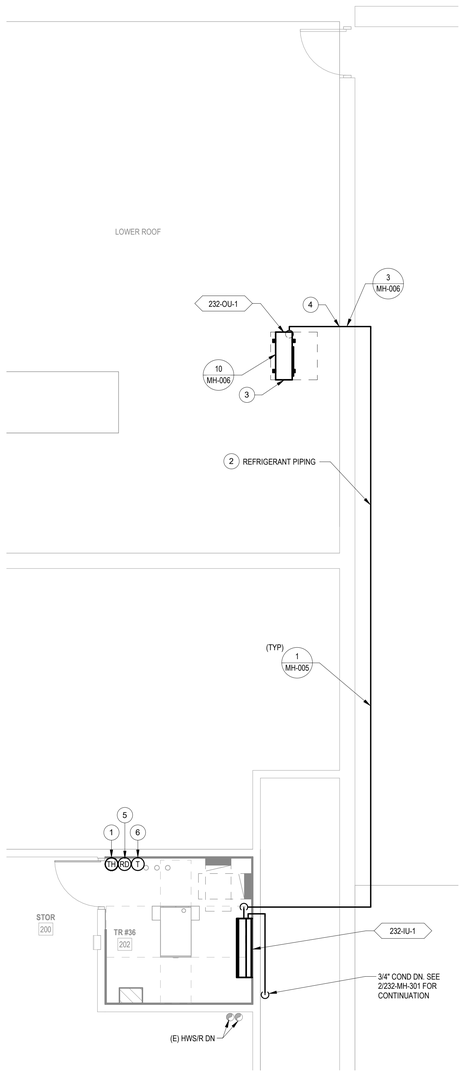
1 LEVEL 1 CORR 110 HVAC DEMOLITION PLAN
1/4" = 1'-0"



2 LEVEL 1 CORR 110 HVAC PLAN
1/4" = 1'-0"



3 LEVEL 2 202 TR #36 HVAC DEMOLITION PLAN
1/4" = 1'-0"



4 LEVEL 2 202 TR #36 HVAC PLAN
1/4" = 1'-0"

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA · 49TH · SCOTTEN BLAIR · ME-132203 · REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

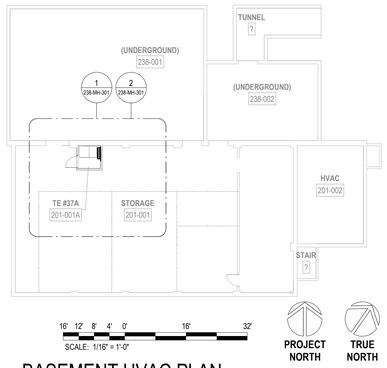
VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 232 ENLARGED PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	BUILDING NUMBER: 232
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	DRAWING NUMBER: 232-MH-301

REISSUED 02-18-2026

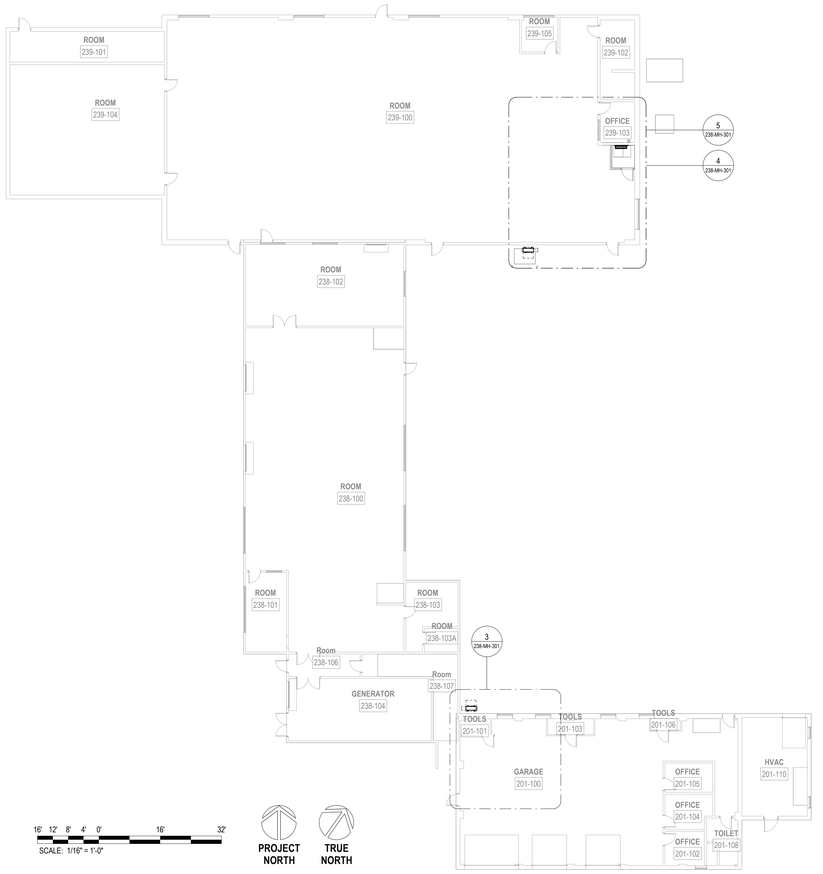
VA FORM 08 - 6231

Autodesk Docs://22117_VA Medical Center - Togus ME/22-065 Togus EHRM_B-232_Mechanical - 2025.rvt
11/5/2025 8:32:28 PM



1 BASEMENT HVAC PLAN

1/16" = 1'-0"

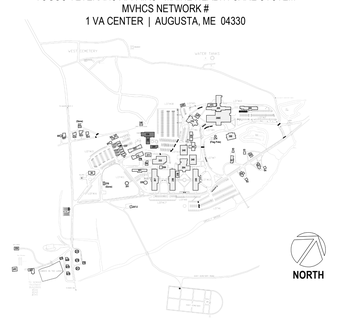


2 LEVEL 1 HVAC PLAN

1/16" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330



Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS • ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

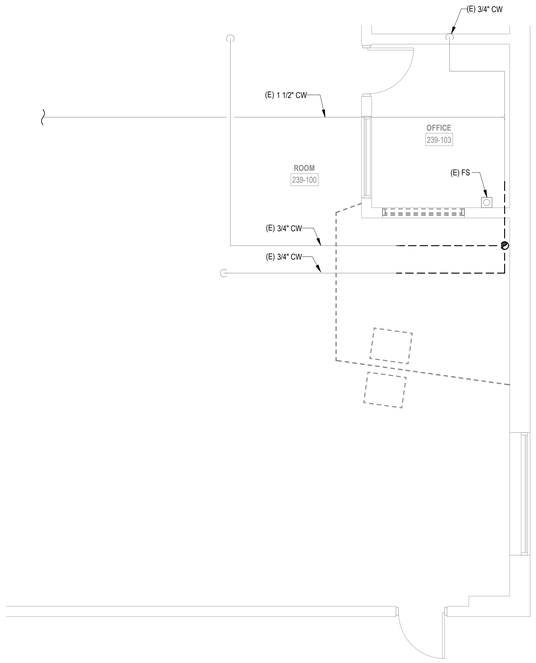
DRAWING TITLE	BUILDING 201, 238 AND 239 HVAC PLANS
APPROVED:	
PHASE	100% CONSTRUCTION DOCUMENTS
FLS	FULLY SPRINKLERED
PROJECT TITLE	ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME
LOCATION	TOGUS VA MEDICAL CENTER
ISSUE DATE	NOVEMBER 10, 2025
CHECKED BY	JB
DRAWN BY	KT
PROJECT NUMBER	402-22-700
BUILDING NUMBER	201, 238 AND 239
DRAWING NUMBER	238-MH-201

Autodesk Docs://22117_VA Medical Center - Togus ME/22-055 Togus EHRM_B-238_Mechanical - 2025.rvt

11/5/2025 8:42:11 PM

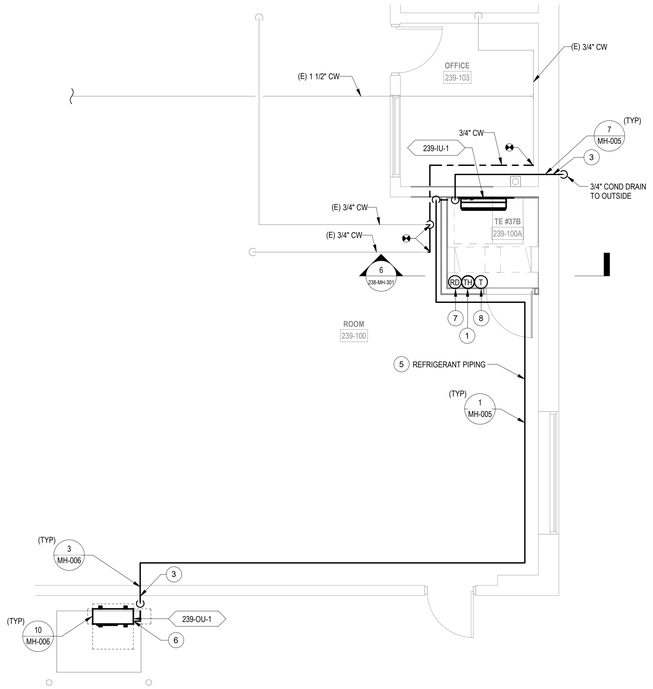
VA FORM 08 - 6231

REISSUED 02-18-2026



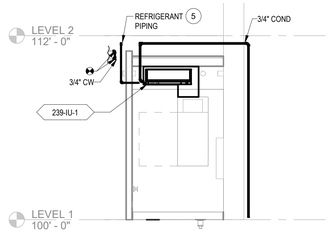
4 LEVEL 1 102A TE #37 HVAC DEMOLITION PLAN

1/4" = 1'-0"



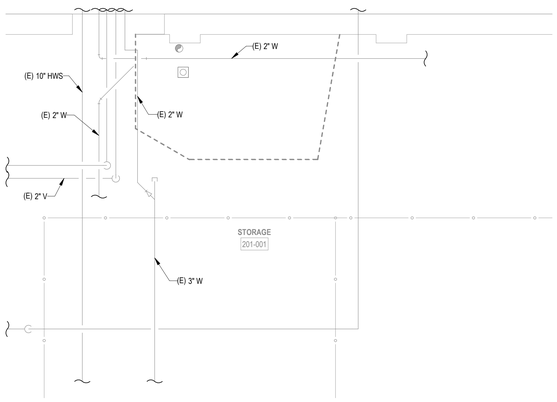
5 LEVEL 1 102A TE #37 HVAC PLAN

1/4" = 1'-0"



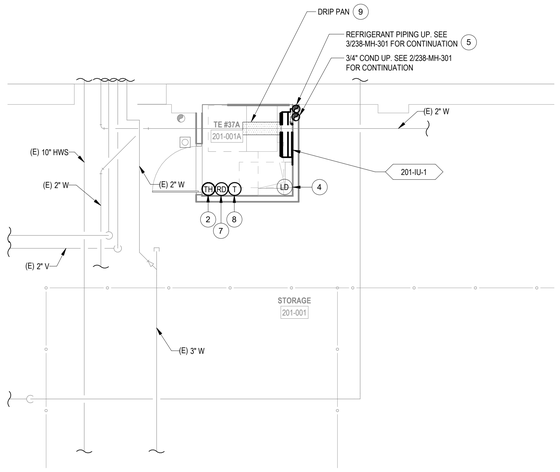
6 BUILDING 239 SECTION 1

1/4" = 1'-0"



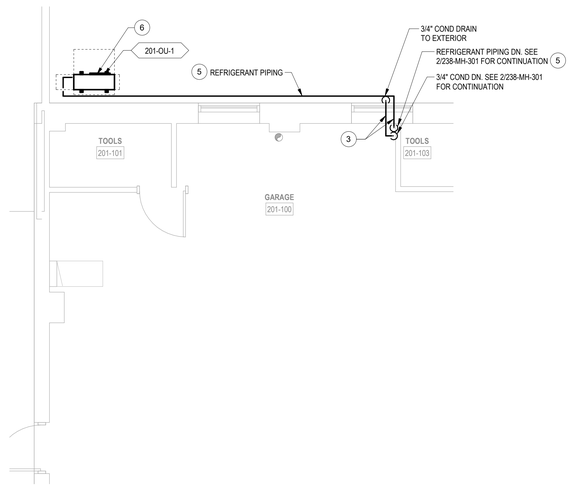
1 BASEMENT 001A TE #37A HVAC DEMOLITION PLAN

1/4" = 1'-0"



2 BASEMENT 001A TE #37A HVAC PLAN

1/4" = 1'-0"



3 LEVEL 1 001A TE#37 HVAC PLAN

1/4" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

PLAN NOTES

1. PROVIDE COMBINATION TEMPERATURE AND HUMIDITY SENSORS INSTALLED AT LOW/MEDIUM/HIGH POSITIONS ON DATA CABINET. REFER TO DETAIL 3/MH-005 FOR INSTALLATION.
2. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
3. SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
4. PROVIDE LEAK DETECTOR AT FLOOR NEAR TE LOCATIONS. LEAK DETECTOR SHALL BE CONNECTED TO DDC SYSTEM FOR MONITORING AND ALARMING.
5. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
6. REFER TO CIVIL DETAIL SHEET 00-CU-304 FOR MECHANICAL EQUIPMENT PAD MOUNTING DETAIL.
7. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
8. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
9. PROVIDE WELDED SEAMLESS STAINLESS STEEL DRIP PAN BELOW ALL PIPING CONVEYING FLUIDS ABOVE DATA OR ELECTRICAL EQUIPMENT. DRIP PAN SHALL EXTEND 2" MINIMUM FROM BOTH SIDES OF PIPE AND 2" BEYOND FOOTPRINT OF DATA OR ELECTRICAL EQUIPMENT BELOW. SLOPE TO CONDENSATE PUMP. ROUTE CONDENSATE FROM PUMP TO INDOOR UNIT CONDENSATE PIPING WITH CHECK VALVE. PROVIDE LIQUID DETECTOR IN DRIP PAN AND CONNECT TO DDC SYSTEM. REFER TO DETAIL 8/MH-006.

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49TH
SCOTTEN BLAIR
REGISTERED PROFESSIONAL ENGINEER
ME-132203

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 201, 238 AND 239 ENLARGED PLANS

APPROVED:

PHASE: 100% CONSTRUCTION DOCUMENTS

FLS: FULLY SPRINKLERED

PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME

LOCATION: TOGUS VA MEDICAL CENTER

ISSUE DATE: NOVEMBER 10, 2025 | CHECKED BY: JB | DRAWN BY: KT

PROJECT NUMBER: 402-22-700

BUILDING NUMBER: 201, 238 AND 239

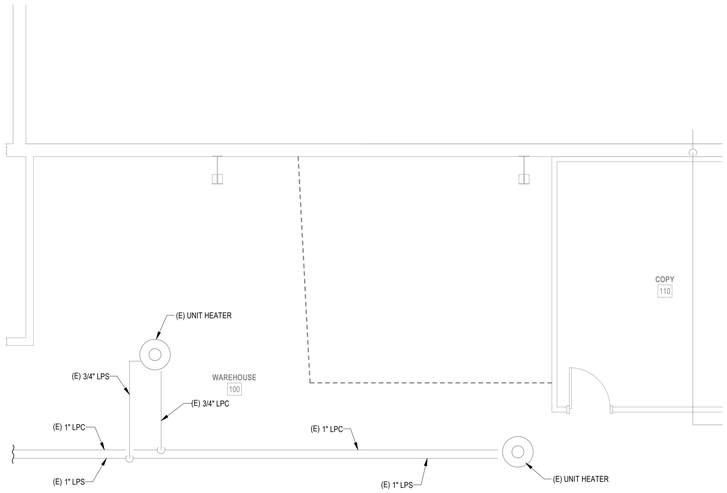
DRAWING NUMBER: 238-MH-301

REISSUED 02-18-2026

Autodesk Docs://22117_VA Medical Center - Togus ME/22-065 Togus EHRM_B-238_Mechanical - 2025.rvt
11/5/2025 8:42:11 PM
VA FORM 08 - 6231

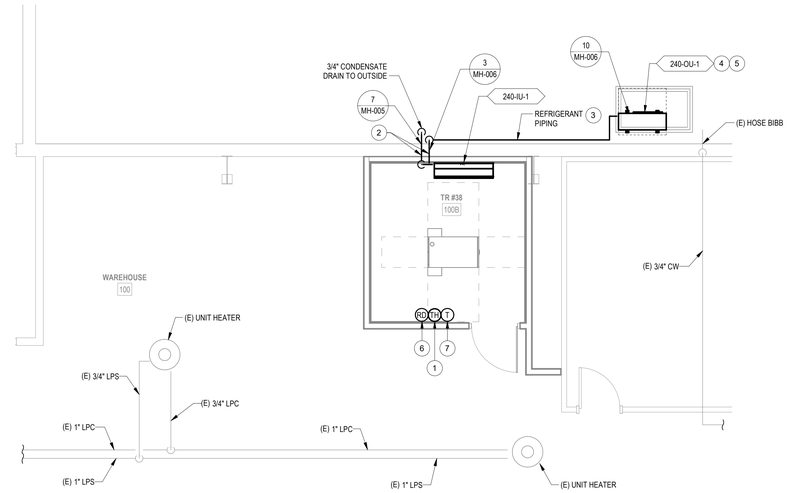
PLAN NOTES

1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
3. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
4. REFER TO ARCHITECTURAL DETAIL 1/00-GI-012 FOR OUTDOOR MECHANICAL UNIT PROTECTION DETAIL.
5. REFER TO CIVIL DETAIL SHEET 00-CU-304 FOR MECHANICAL EQUIPMENT PAD MOUNTING DETAIL.
6. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
7. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.



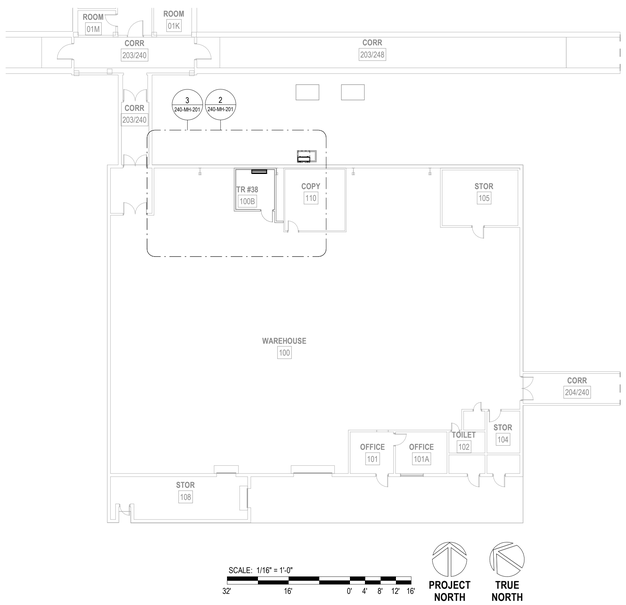
2 LEVEL 1 100A TR #38 HVAC DEMOLITION PLAN

1/4" = 1'-0"



3 LEVEL 1 100A TR #38 HVAC PLAN

1/4" = 1'-0"

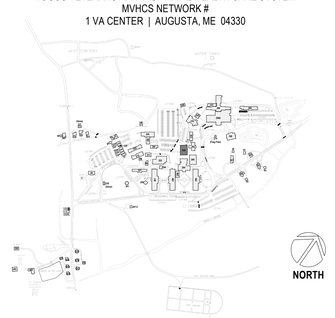


1 LEVEL 1 HVAC PLAN

1/16" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330



Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS • ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR 11/7/2025 ME-132203 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 240 HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	BUILDING NUMBER: 240
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	DRAWING NUMBER: 240-MH-201

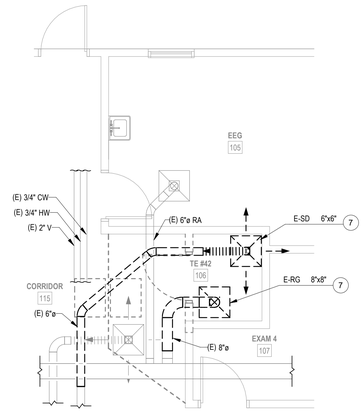
VA FORM 08 - 6231

REISSUED 02-18-2026

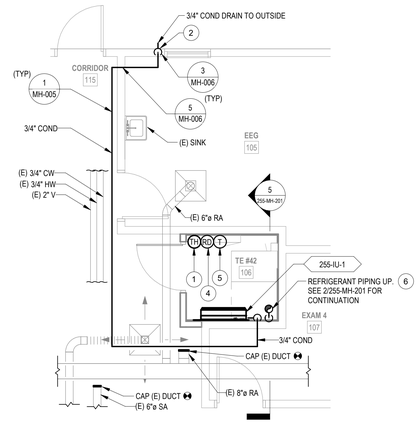
Autodesk Docs://22117_VA Medical Center - Togus ME/22-065 Togus EHRM_B-240_Mechanical - 2025.rvt
11/7/2025 3:21:42 PM

PLAN NOTES

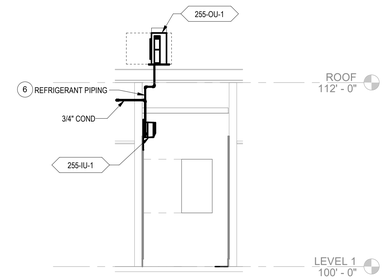
1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
3. REFER TO ARCHITECTURAL DETAIL 3/00-GI-012 FOR ROOF MECHANICAL EQUIPMENT MOUNTING DETAIL.
4. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
5. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
6. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
7. DEMOLISH EXISTING AIR TERMINAL AND ASSOCIATED DUCTWORK BACK TO BRANCH AND CAP.



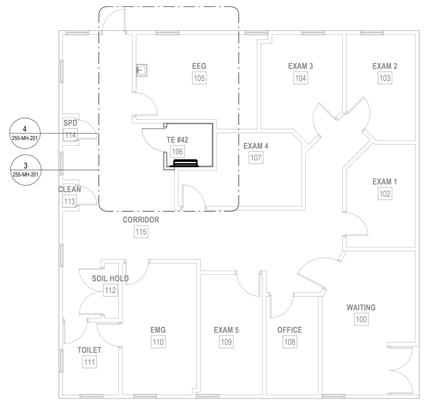
3 LEVEL 1 106 TE #42 HVAC DEMOLITION PLAN
1/4" = 1'-0"



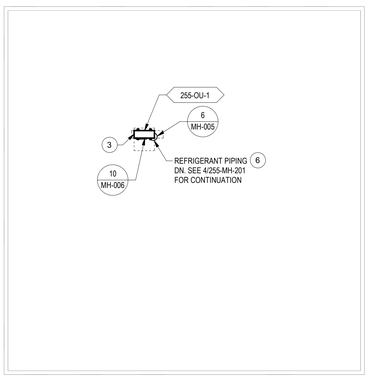
4 LEVEL 1 106 TE #42 HVAC PLAN
1/4" = 1'-0"



5 BUILDING 255 SECTION 1
1/4" = 1'-0"



1 LEVEL 1 HVAC PLAN
1/8" = 1'-0"



2 ROOF HVAC PLAN
1/8" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

Revisions:	Date:

CONSULTANT
CONSULTANT

ARCHITECT/ENGINEER OF RECORD
A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM
GDM ARCHITECTS - ENGINEERS

STAMP
STATE OF ALASKA 49TH
SCOTTEN BLAIR
ME-132203
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)
VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING 255 HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	BUILDING NUMBER: 255
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	DRAWING NUMBER: 255-MH-201

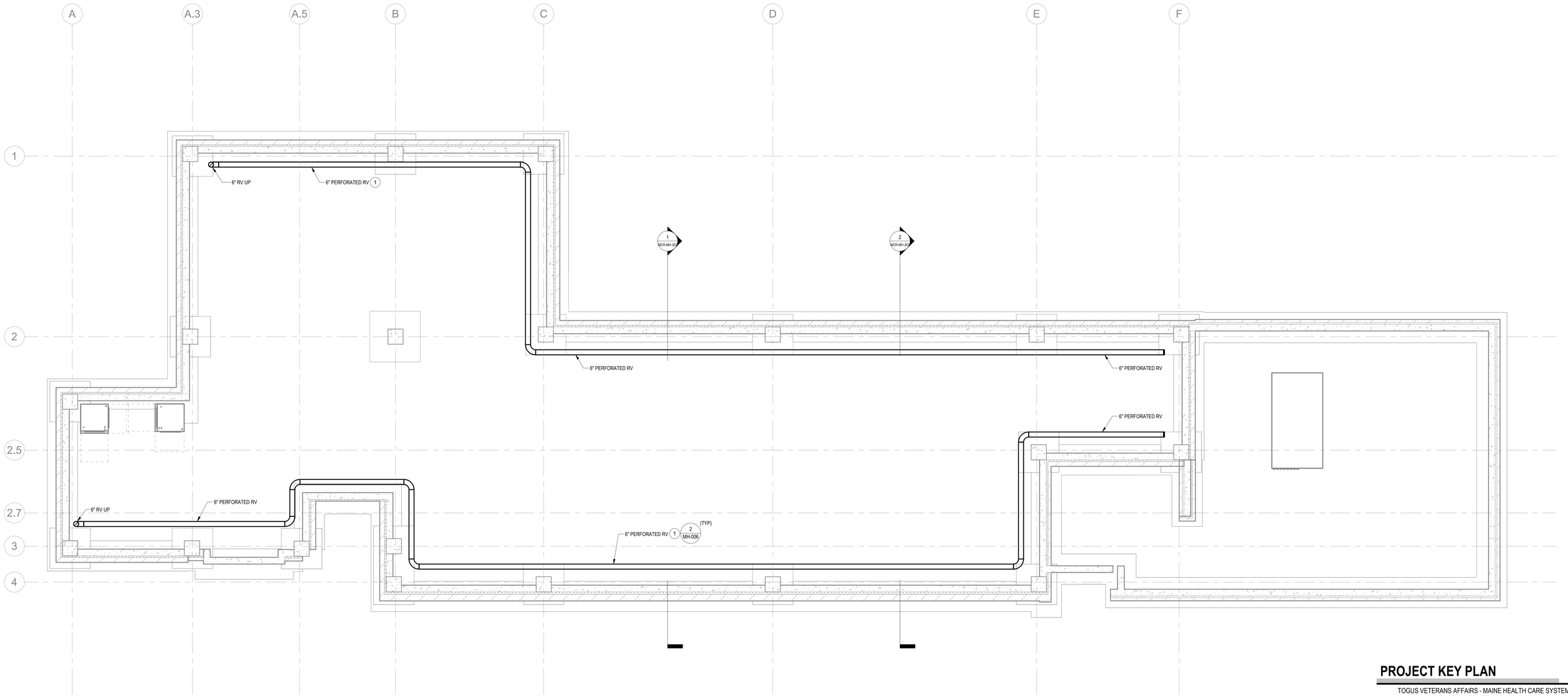
VA FORM 08 - 6231

REISSUED 02-18-2026

Autodesk Docs://22117_VA Medical Center - Togus ME/22-065 Togus EHRM_B-255_Mechanical - 2025.rvt
11/6/2025 3:46:09 PM

PLAN NOTES

1 RADON MITIGATION SYSTEM COMPONENTS ARE SHOWN FOR PRELIMINARY REFERENCE ONLY. RADON MITIGATION SYSTEM IS DESIGN-BUILD SCOPE, WITH FINAL DESIGN TO BE PROVIDED BY THE CONTRACTOR.



1 HVAC FOUNDATION PLAN
1/4" = 1'-0"

4' 2' 0' 4' 8'
SCALE : 1/4" = 1'-0"

PROJECT NORTH

TRUE NORTH

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

NORTH

Revisions:	Date:

CONSULTANT
CONSULTANT

ARCHITECT/ENGINEER OF RECORD
A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM
GDM ARCHITECTS - ENGINEERS

STAMP
STATE OF ALASKA 49TH SCOTTEN BLAIR ME-13220 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)
VA U.S. Department of Veterans Affairs

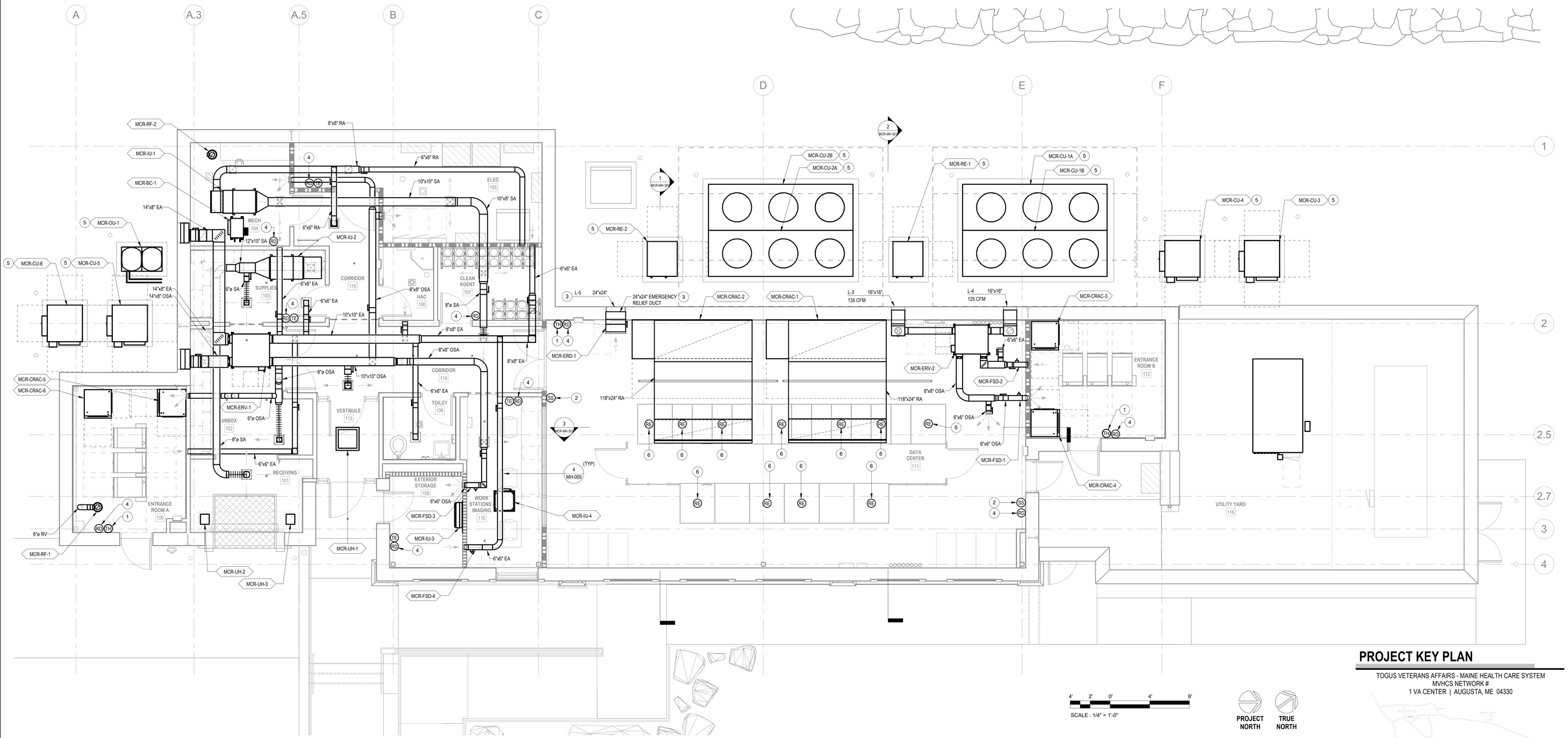
DRAWING TITLE: BUILDING MCR FOUNDATION HVAC PLAN
APPROVED:
PHASE: 100% CONSTRUCTION DOCUMENTS
FLS: FULLY SPRINKLERED
PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME
LOCATION: TOGUS VA MEDICAL CENTER
ISSUE DATE: NOVEMBER 10, 2025
CHECKED BY: JB
DRAWN BY: ADF
PROJECT NUMBER: 402-22-700
BUILDING NUMBER: MCR
DRAWING NUMBER: MCR-MH-201

REISSUED 02-18-2026

Autodesk Docs://22117_VA Medical Center - Togus ME/22-056 Togus EHRM_B-MCR_Mechanical - 2025.rvt
11/6/2025 12:13:50 PM
VA FORM 08 - 6231

PLAN NOTES

1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. PROVIDE WALL-MOUNTED EMERGENCY POWER OFF (EPO) SWITCH BY DIVISION 26 CONTRACTOR. REFER TO ELECTRICAL SHEETS FOR INFORMATION. EPO SWITCH SHALL DEACTIVATE ALL HVAC EQUIPMENT SERVING THE MCR.
3. CONFIRM SIZING WITH CLEAN AGENT CONTRACTOR.
4. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
5. REFER TO CIVIL DETAIL SHEET 00-CU-304 FOR MECHANICAL EQUIPMENT PAD MOUNTING DETAIL.
6. PROVIDE COMBINATION TEMPERATURE AND HUMIDITY SENSORS INSTALLED AT LOW/MEDIUM/HIGH POSITIONS ON DATA CABINET. REFER TO DETAIL 3/MH-005 FOR INSTALLATION.



1 LEVEL 1 HVAC PLAN
1/4" = 1'-0"

4' 2' 0' 4' 8'
SCALE : 1/4" = 1'-0"

PROJECT NORTH | TRUE NORTH

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

NORTH

Revisions:	Date:

CONSULTANT
CONSULTANT

ARCHITECT/ENGINEER OF RECORD
A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS • ENGINEERS

STAMP
STATE OF ALASKA 49TH SCOTTEN BLAIR ME-13220 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)
VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING MCR LEVEL 1 HVAC PLAN	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	BUILDING NUMBER: MCR
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	DRAWING NUMBER: MCR-MH-202

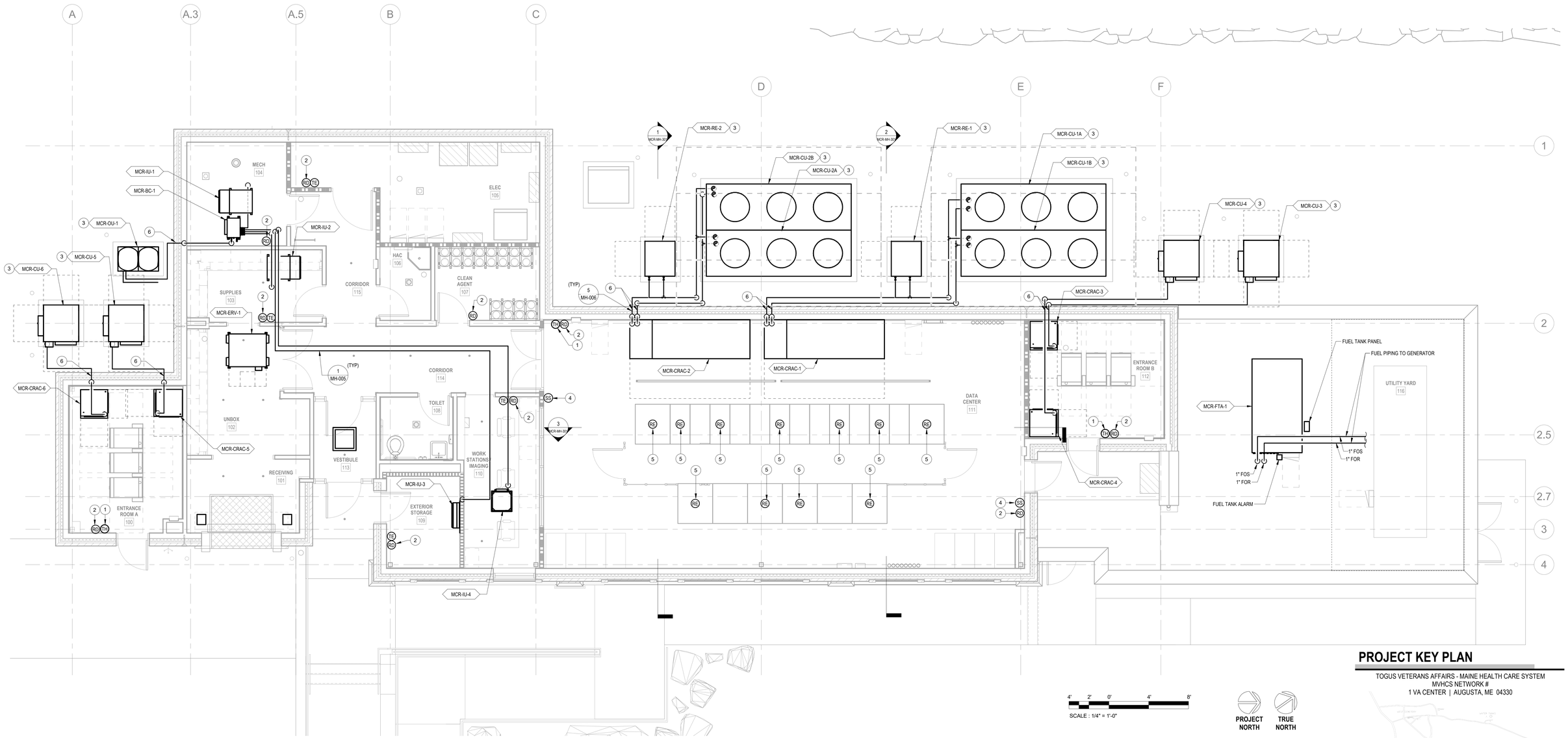
REISSUED 02-18-2026

VA FORM 08 - 6231

Autodesk Docs://22117_VA Medical Center - Togus ME\22-065 Togus EHRM_B-MCR_Mechanical - 2025.rvt
11/6/2025 12:13:52 PM

PLAN NOTES

1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
3. REFER TO CIVIL DETAIL SHEET 00-CU-304 FOR MECHANICAL EQUIPMENT PAD MOUNTING DETAIL.
4. PROVIDE WALL-MOUNTED EMERGENCY POWER OFF (EPO) SWITCH BY DIVISION 26 CONTRACTOR. REFER TO ELECTRICAL SHEETS FOR INFORMATION. EPO SWITCH SHALL DEACTIVATE ALL HVAC EQUIPMENT SERVING THE MCR.
5. PROVIDE COMBINATION TEMPERATURE AND HUMIDITY SENSORS INSTALLED AT LOW/MEDIUM/HIGH POSITIONS ON DATA CABINET. REFER TO DETAIL 3/MH-005 FOR INSTALLATION.
6. SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.



4' 2' 0' 4' 8'
SCALE : 1/4" = 1'-0"

PROJECT NORTH | TRUE NORTH

1 LEVEL 1 HVAC PIPING PLAN

1/4" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

NORTH

Revisions:	Date:

CONSULTANT
CONSULTANT

ARCHITECT/ENGINEER OF RECORD
A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

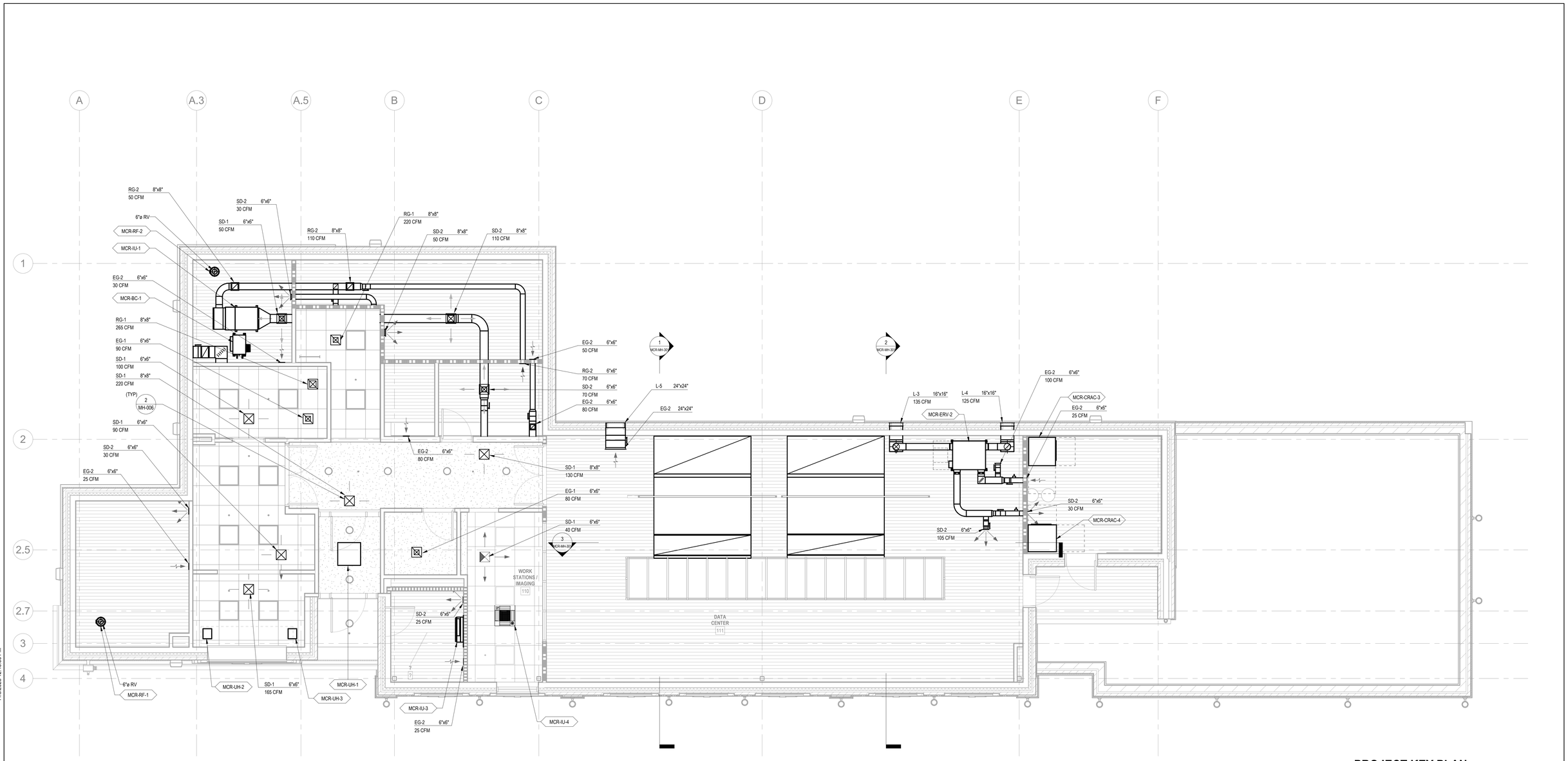
STAMP
STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)
VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING MCR LEVEL 1 HVAC PIPING PLAN	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER: MCR
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: MCR-MH-203
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	

REISSUED 02-18-2026

Autodesk Docs://2117_VA Medical Center - Togus ME/22-065 Togus EHRM_B-MCR_Mechanical - 2025.rvt
11/6/2025 12:13:54 PM
VA FORM 08 - 6231



1 LEVEL 1 HVAC RCP PLAN

1/4" = 1'-0"

4' 2' 0' 4' 8'

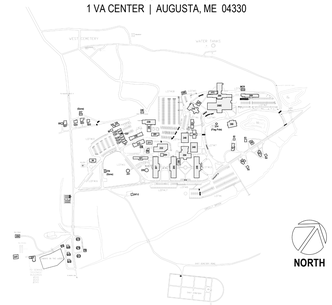
SCALE : 1/4" = 1'-0"

PROJECT NORTH

TRUE NORTH

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330



NORTH

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E

GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR ME-13220 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING MCR LEVEL 1 HVAC RCP PLAN

APPROVED:

PHASE: 100% CONSTRUCTION DOCUMENTS

FLS: FULLY SPRINKLERED

PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME

LOCATION: TOGUS VA MEDICAL CENTER

ISSUE DATE: NOVEMBER 10, 2025

CHECKED BY: JB

DRAWN BY: KT

PROJECT NUMBER: 402-22-700

BUILDING NUMBER: MCR

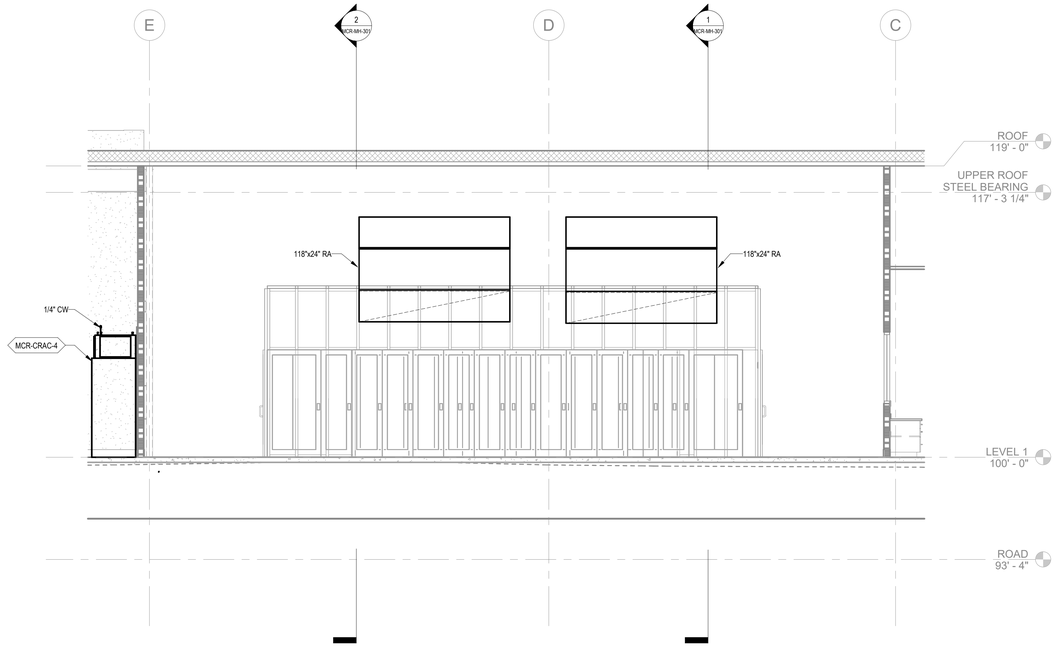
DRAWING NUMBER: MCR-MH-204

REISSUED 02-18-2026

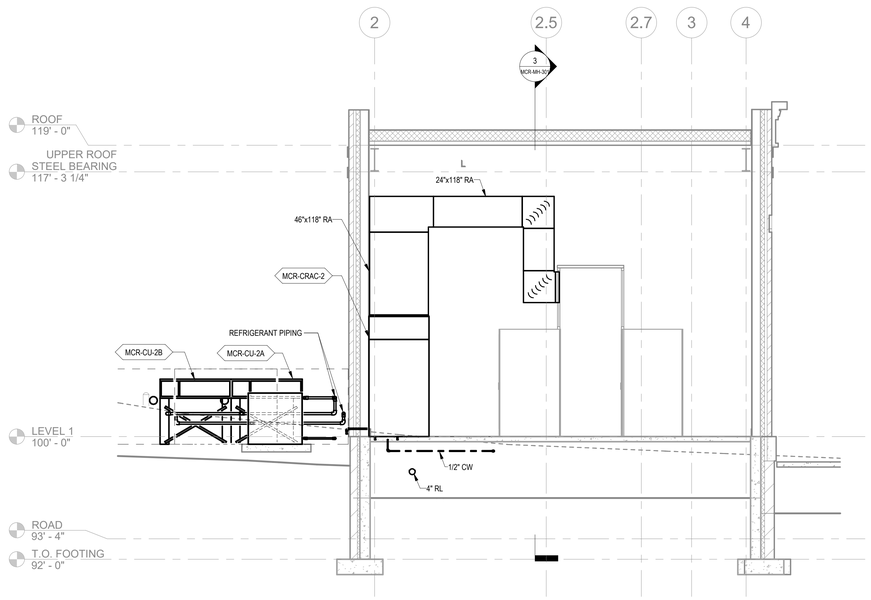
Autodesk Docs://22117_VA Medical Center - Togus ME/22-056 Togus EHRM_B-MCR_Mechanical - 2025.rvt
11/6/2025 12:13:56 PM
VA FORM 08 - 6231

PLAN NOTES

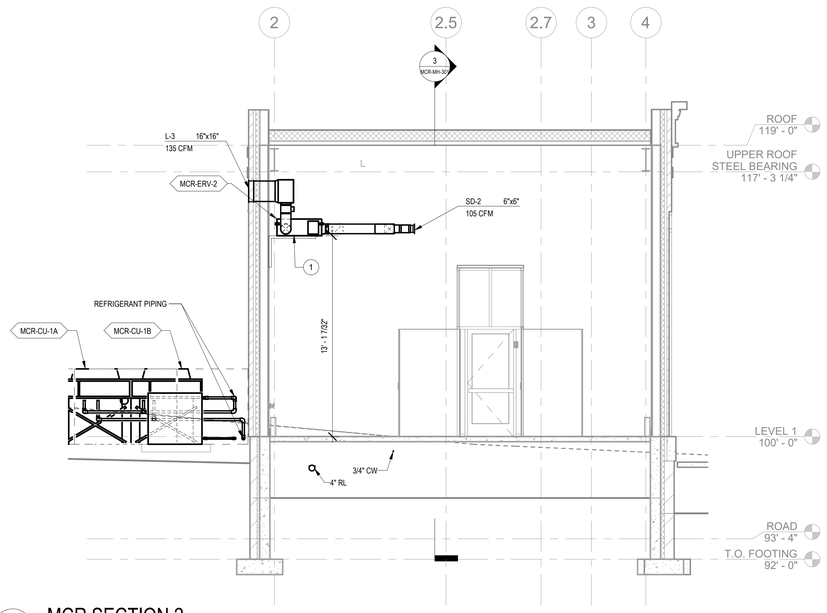
1 SUPPORT ERV WITH UNITSTRUT. ATTACH ONE END OF UNISTRUT TO WALL AND SUPPORT OTHER END WITH FROM CEILING WITH ROD.



3 MCR SECTION 3
1/4" = 1'-0"



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



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

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS • ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE	BUILDING MCR SECTIONS
APPROVED:	
PHASE	100% CONSTRUCTION DOCUMENTS
FLS	FULLY SPRINKLERED
PROJECT TITLE	ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME
LOCATION	TOGUS VA MEDICAL CENTER
ISSUE DATE	NOVEMBER 10, 2025
CHECKED BY	JB
DRAWN BY	KT
PROJECT NUMBER	402-22-700
BUILDING NUMBER	MCR
DRAWING NUMBER	MCR-MH-301

Autodesk Docs://22117_VA Medical Center - Togus ME/22-055 Togus EHRM_B-MCR_Mechanical - 2025.rvt 11/6/2025 12:13:57 PM

VA FORM 08 - 6231

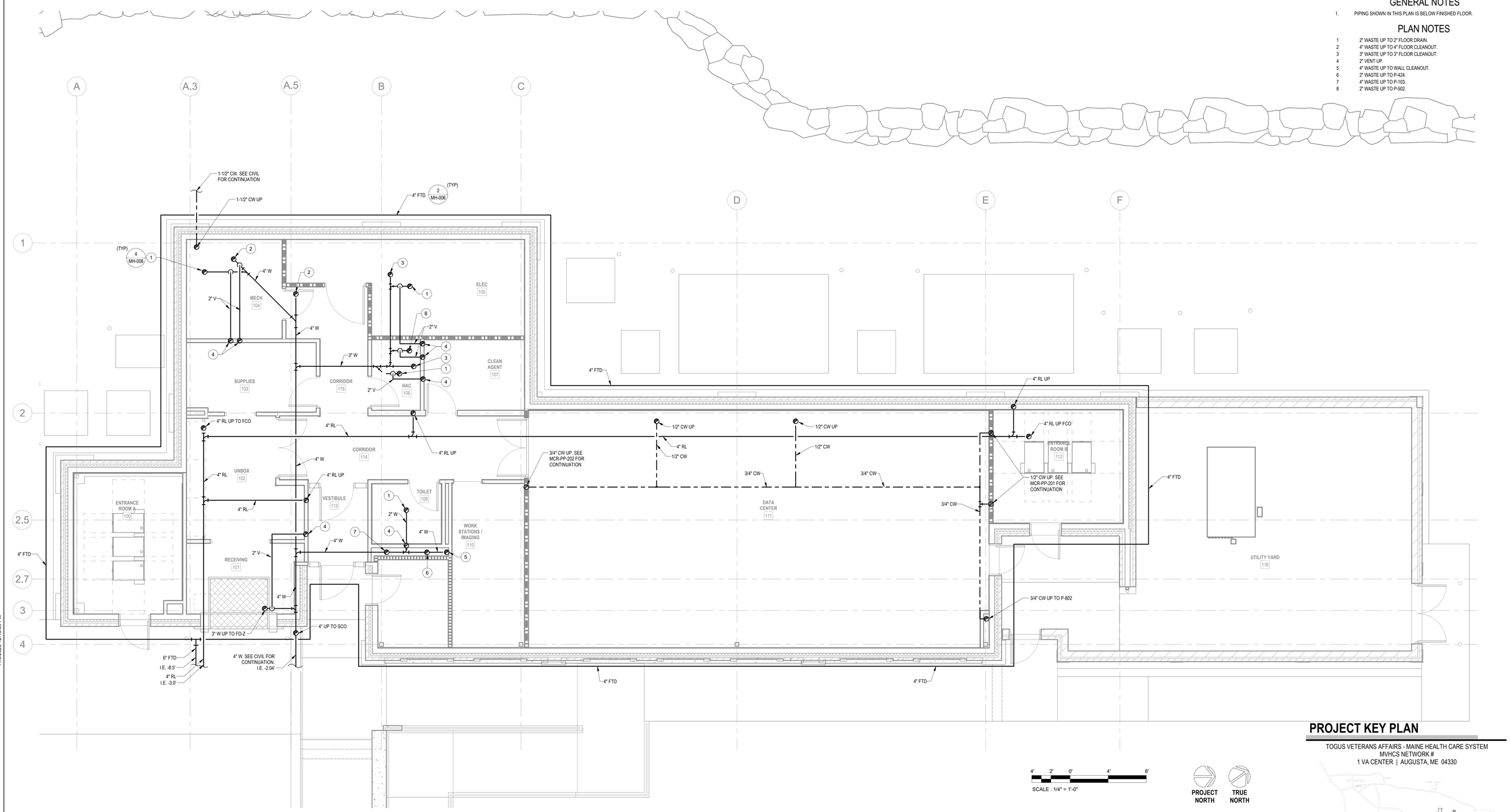
REISSUED 02-18-2026

GENERAL NOTES

1. PIPING SHOWN IN THIS PLAN IS BELOW FINISHED FLOOR.

PLAN NOTES

1 2" WASTE UP TO 2" FLOOR DRAIN.
2 4" WASTE UP TO 4" FLOOR CLEANOUT.
3 3" WASTE UP TO 3" FLOOR CLEANOUT.
4 2" VENT UP.
5 4" WASTE UP TO WALL CLEANOUT.
6 2" WASTE UP TO P-424.
7 4" WASTE UP TO P-103.
8 2" WASTE UP TO P-502.



4' 2' 0' 4' 8'
SCALE : 1/4" = 1'-0"

PROJECT NORTH | TRUE NORTH

1 FOUNDATION PLUMBING PLAN

1/4" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

NORTH

Revisions:	Date:

CONSULTANT
CONSULTANT

ARCHITECT/ENGINEER OF RECORD
A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM
GDM ARCHITECTS - ENGINEERS

STAMP
STATE OF ALASKA 49TH
SCOTTEN BLAIR
ME-13220
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)
VA U.S. Department of Veterans Affairs

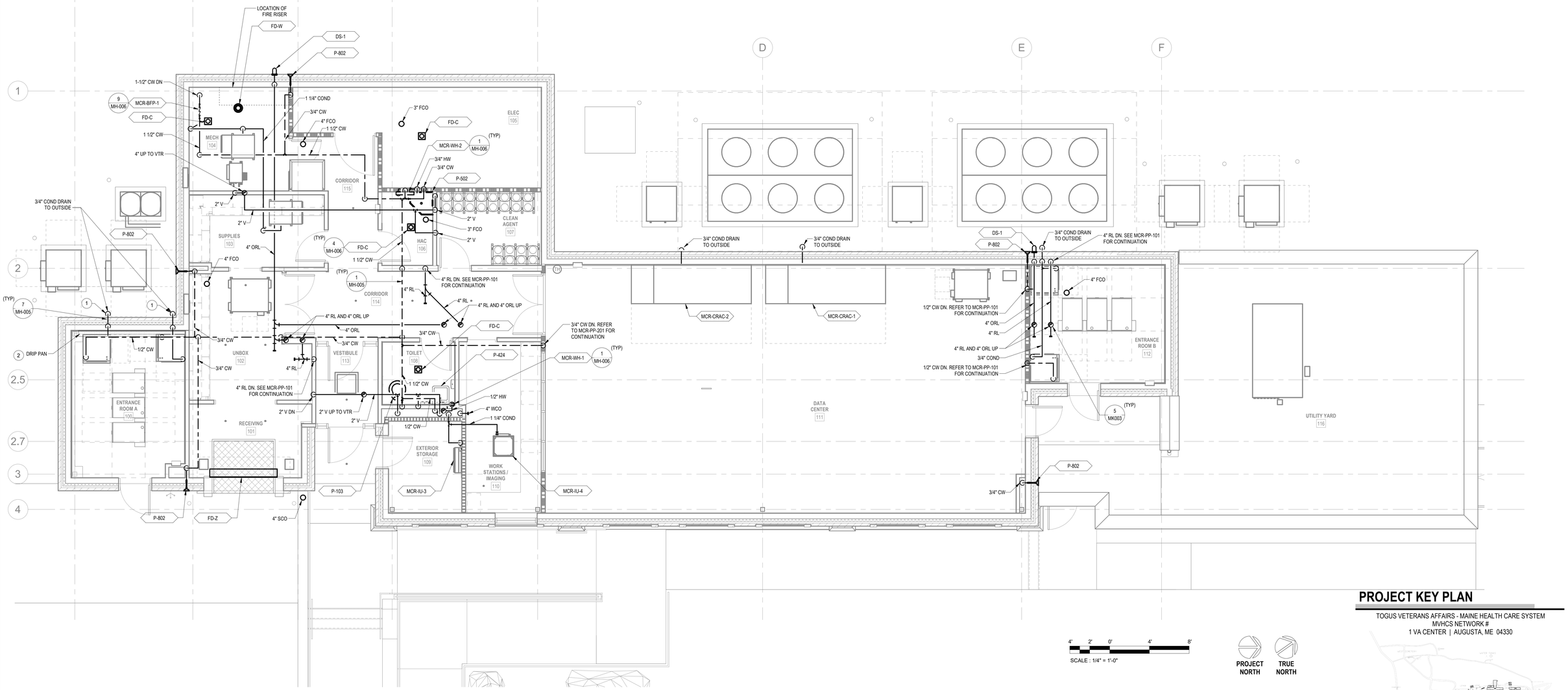
DRAWING TITLE: BUILDING MCR FOUNDATION PLUMBING PLAN
APPROVED:
PHASE: 100% CONSTRUCTION DOCUMENTS
FLS: FULLY SPRINKLERED
PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME
LOCATION: TOGUS VA MEDICAL CENTER
ISSUE DATE: NOVEMBER 10, 2025
CHECKED BY: JB
DRAWN BY: KT
PROJECT NUMBER: 402-22-700
BUILDING NUMBER: MCR
DRAWING NUMBER: MCR-PP-201

REISSUED 02-18-2026

Autodesk Docs://22117_VA Medical Center - Togus ME/22-056 Togus EHRM_B-MCR_Mechanical - 2025.rvt
11/6/2025 12:13:59 PM
VA FORM 08 - 6231

PLAN NOTES

1. SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
2. PROVIDE WELDED SEAMLESS STAINLESS STEEL DRIP PAN BELOW ALL PIPING CONVEYING FLUIDS ABOVE DATA OR ELECTRICAL EQUIPMENT. DRIP PAN SHALL EXTEND 2" MINIMUM FROM BOTH SIDES OF PIPE AND 2" BEYOND FOOTPRINT OF DATA OR ELECTRICAL EQUIPMENT BELOW. SLOPE TO CONDENSATE PUMP. ROUTE CONDENSATE FROM PUMP TO INDOOR UNIT CONDENSATE PIPING WITH CHECK VALVE. PROVIDE LIQUID DETECTOR IN DRIP PAN AND CONNECT TO DDC SYSTEM. REFER TO DETAIL 8/MH-006.



1 LEVEL 1 PLUMBING PLAN
1/4" = 1'-0"

4' 2' 0' 4' 8'
SCALE : 1/4" = 1'-0"

PROJECT NORTH | TRUE NORTH

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

NORTH

Revisions:	Date:

CONSULTANT
CONSULTANT

ARCHITECT/ENGINEER OF RECORD
A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM
GDM ARCHITECTS - ENGINEERS

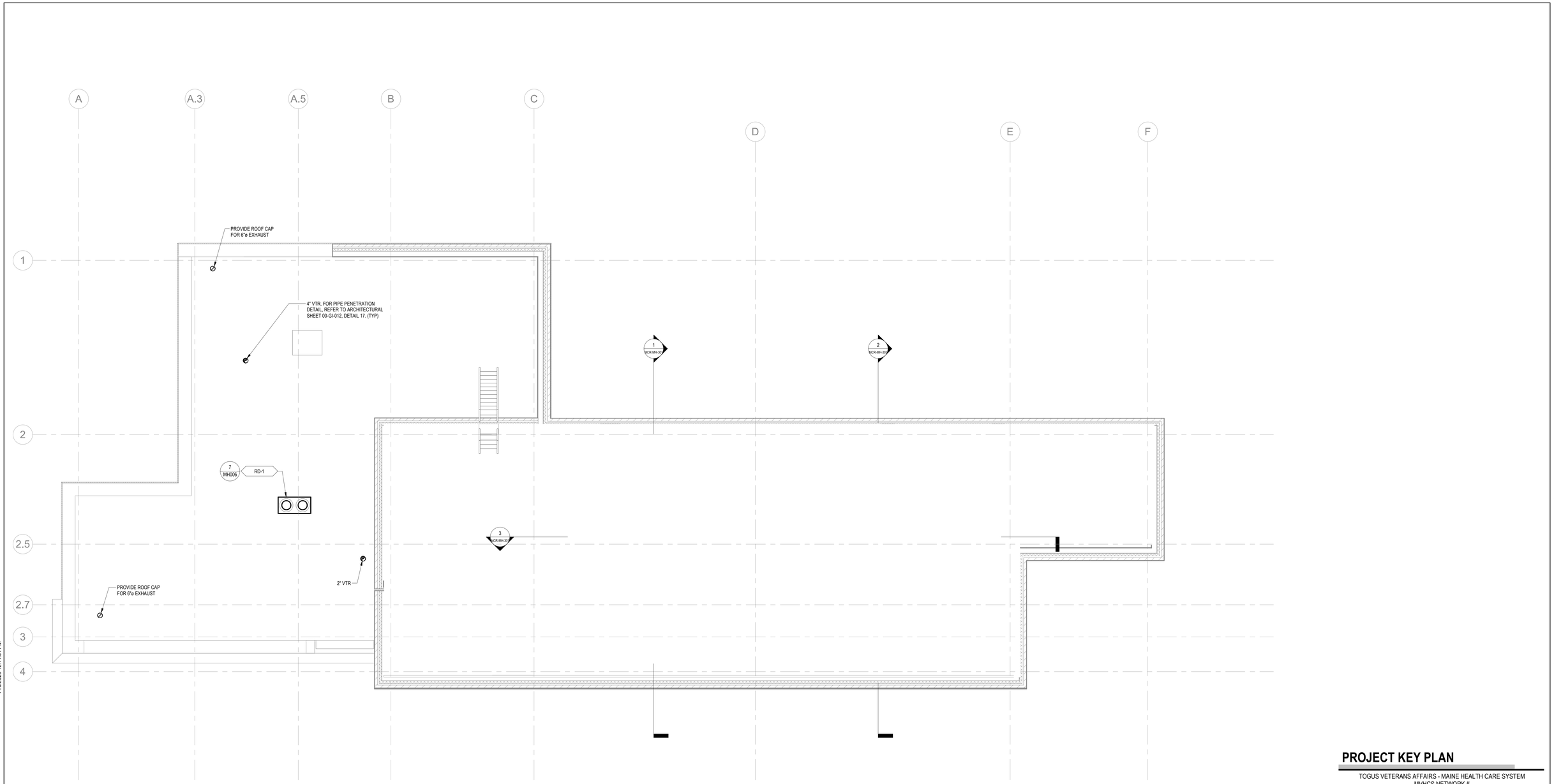
STAMP
STATE OF ALASKA 49TH
SCOTTEN BLAIR
REGISTERED PROFESSIONAL ENGINEER
ME-132203

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)
VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING MCR LEVEL 1 PLUMBING PLAN	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	BUILDING NUMBER: MCR
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	DRAWING NUMBER: MCR-PP-202

REISSUED 02-18-2026

11/6/2025 12:14:00 PM
Autodesk Docs://2117_VA Medical Center - Togus ME/22-065 Togus EHRM_B-MCR_Mechanical - 2025.rvt
VA FORM 08 - 6231



1 LOWER ROOF HVAC AND PLUMBING PLAN

1/4" = 1'-0"

4' 2' 0' 4' 8'

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

PROJECT NORTH

TRUE NORTH

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

NORTH

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E

GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR ME-13220 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING MCR LOWER ROOF HVAC AND PLUMBING PLAN

APPROVED:

PHASE: 100% CONSTRUCTION DOCUMENTS

FLS: FULLY SPRINKLERED

PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME

LOCATION: TOGUS VA MEDICAL CENTER

ISSUE DATE: NOVEMBER 10, 2025

CHECKED BY: JB

DRAWN BY: KT

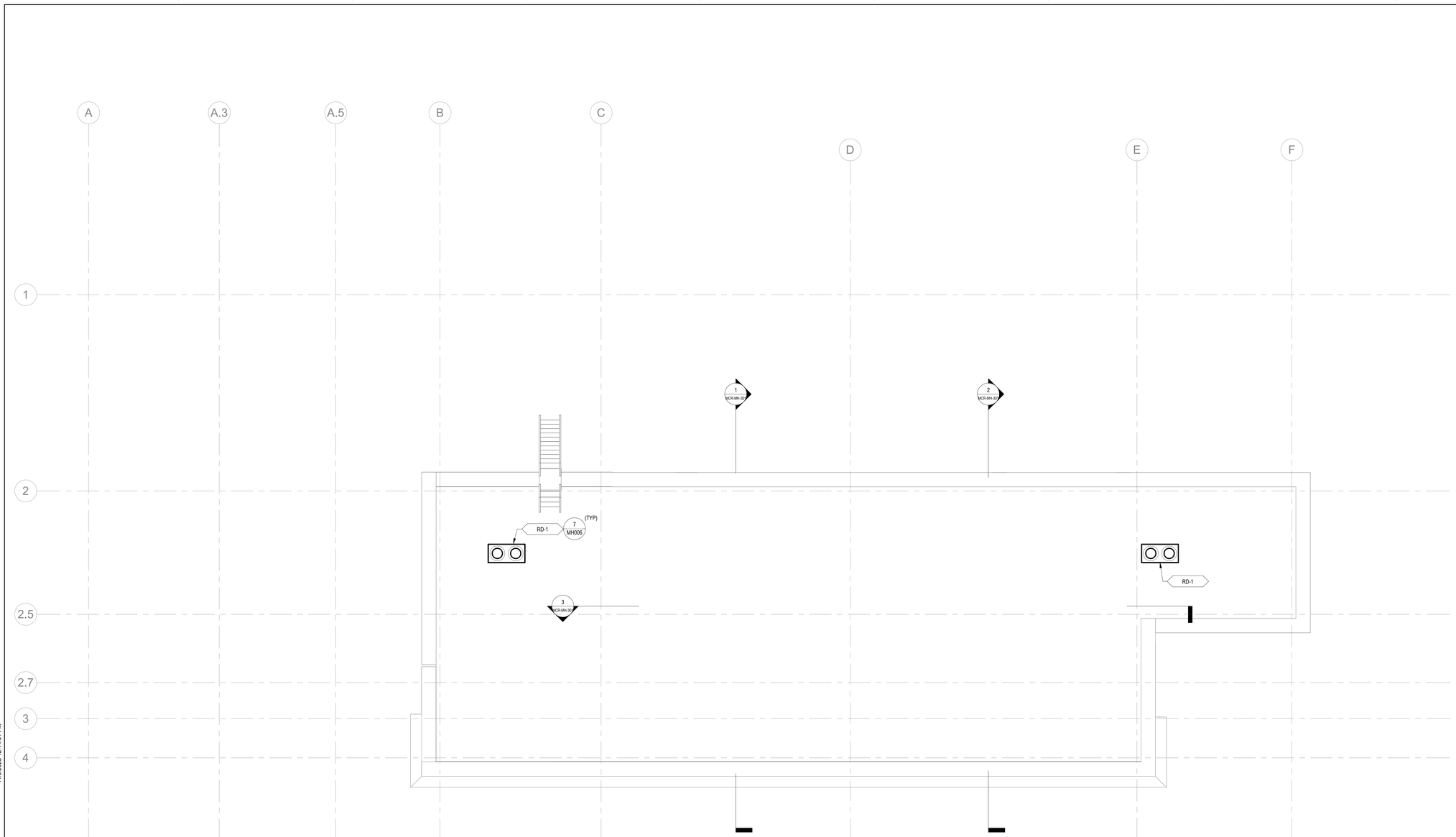
PROJECT NUMBER: 402-22-700

BUILDING NUMBER: MCR

DRAWING NUMBER: MCR-PP-203

REISSUED 02-18-2026

Autodesk Docs://22117_VA Medical Center - Togus ME/22-056 Togus EHRM_B-MCR_Mechanical - 2025.rvt
11/6/2025 12:14:01 PM
VA FORM 08 - 6231



4' 2' 0' 4' 8'

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

PROJECT NORTH

TRUE NORTH

1 ROOF HVAC AND PLUMBING PLAN

1/4" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

NORTH

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E

GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA — 49TH — REGISTERED PROFESSIONAL ENGINEER — SCOTTEN BLAIR — ME-132203

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING MCR
ROOF HVAC AND PLUMBING PLAN

APPROVED:

PHASE: 100% CONSTRUCTION DOCUMENTS

FLS: FULLY SPRINKLERED

PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME

LOCATION: TOGUS VA MEDICAL CENTER

ISSUE DATE: NOVEMBER 10, 2025

CHECKED BY: JB

DRAWN BY: KT

PROJECT NUMBER: 402-22-700

BUILDING NUMBER: MCR

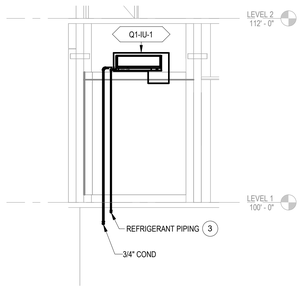
DRAWING NUMBER: MCR-PP-204

Autodesk Docs://22117_VA Medical Center - Togus ME\22-056 Togus EHRM_B-MCR_Mechanical - 2025.rvt

11/6/2025 12:14:01 PM

VA FORM 08 - 6231

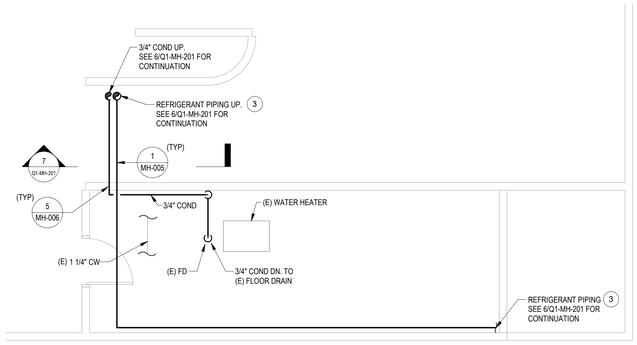
REISSUED 02-18-2026



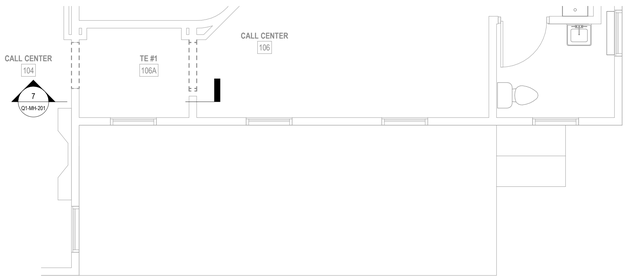
7 BUILDING Q1 SECTION 1
1/4" = 1'-0"

PLAN NOTES

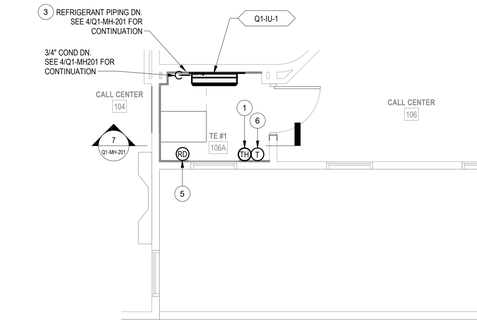
1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
3. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
4. REFER TO CIVIL DETAIL SHEET 00-CU-304 FOR MECHANICAL EQUIPMENT PAD MOUNTING DETAIL.
5. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
6. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.



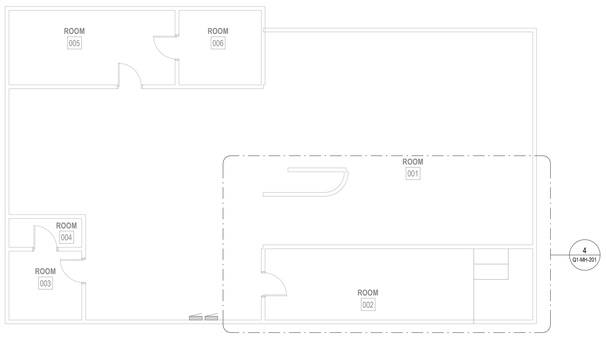
4 BASEMENT 106A TE#1 HVAC PLAN
1/4" = 1'-0"



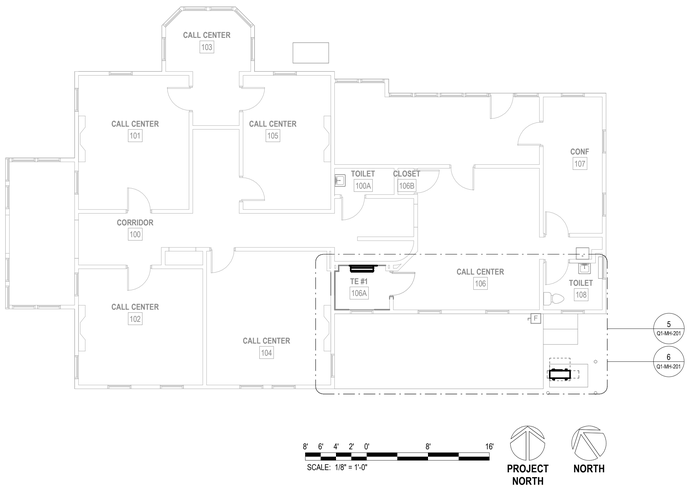
5 LEVEL 1 106A TE #1 HVAC DEMOLITION PLAN
1/4" = 1'-0"



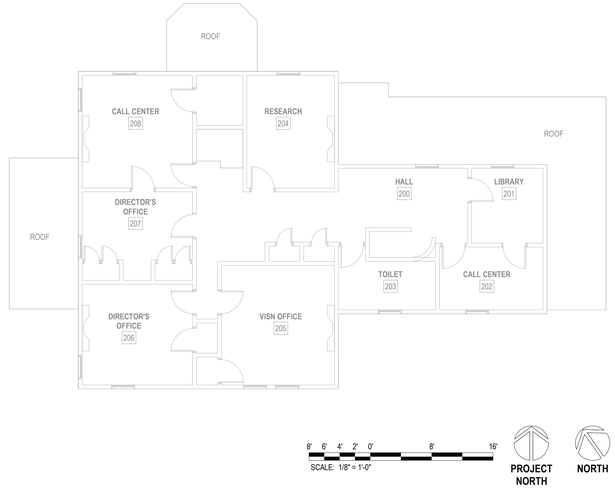
6 LEVEL 1 106A TE #1 HVAC PLAN
1/4" = 1'-0"



1 BASEMENT HVAC PLAN
1/8" = 1'-0"



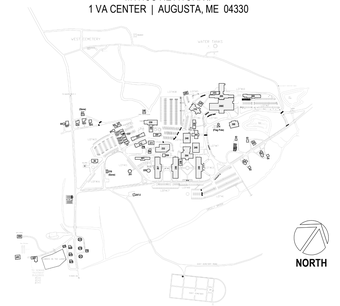
2 LEVEL 1 HVAC PLAN
1/8" = 1'-0"



3 LEVEL 2 HVAC PLAN
1/8" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330



Revisions:	Date:

CONSULTANT
CONSULTANT

ARCHITECT/ENGINEER OF RECORD
A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP
STATE OF ALASKA
49TH
SCOTTEN BLAIR
ME-13220
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)
VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING Q1 HVAC PLANS
APPROVED:
PHASE: 100% CONSTRUCTION DOCUMENTS
FLS: FULLY SPRINKLERED
PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME
LOCATION: TOGUS VA MEDICAL CENTER
ISSUE DATE: NOVEMBER 10, 2025
CHECKED BY: JB
DRAWN BY: KT
PROJECT NUMBER: 402-22-700
BUILDING NUMBER: Q1
DRAWING NUMBER: Q1-MH-201

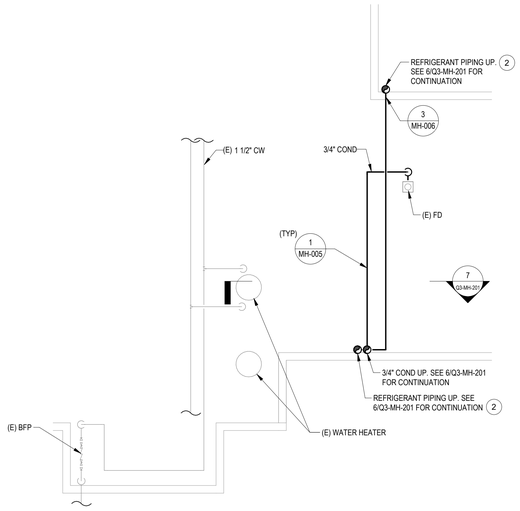
REISSUED 02-18-2026

VA FORM 08 - 6231

Autodesk Docs://22117_VA Medical Center - Togus ME/22-056 Togus EHRM_B-Q01_Mechanical - 2025.rvt
11/6/2025 10:10:00 AM

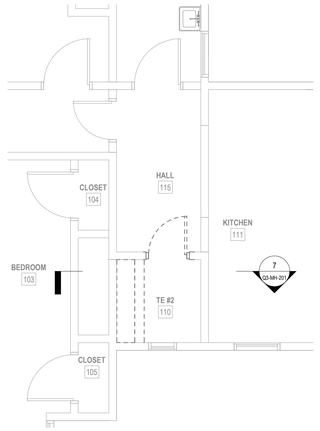
PLAN NOTES

1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
3. REFER TO ARCHITECTURAL DETAIL 100-GI-012 FOR OUTDOOR MECHANICAL UNIT PROTECTION DETAIL.
4. REFER TO CIVIL DETAIL SHEET 00-CU-304 FOR MECHANICAL EQUIPMENT PAD MOUNTING DETAIL.
5. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
6. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.



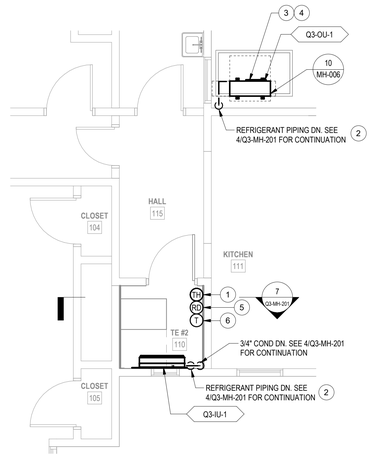
4 BASEMENT 110 TE#2

1/4" = 1'-0"



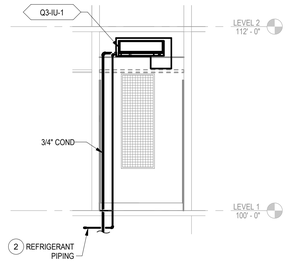
5 LEVEL 1 110 TR #2 HVAC DEMOLITION PLAN

1/4" = 1'-0"



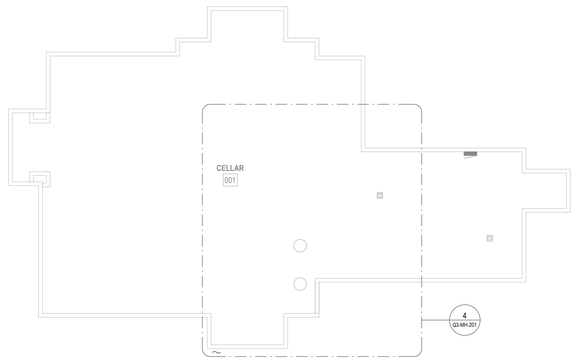
6 LEVEL 1 110 TR #2 HVAC PLAN

1/4" = 1'-0"



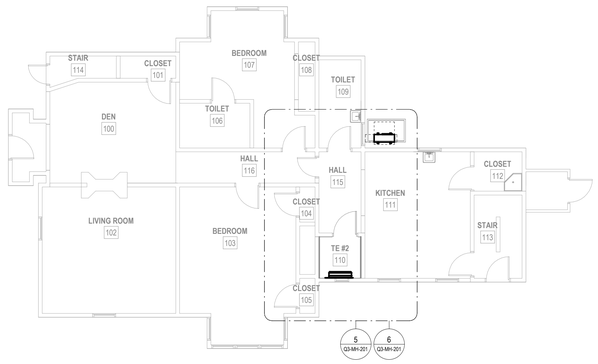
7 BUILDING Q3 SECTION 1

1/4" = 1'-0"



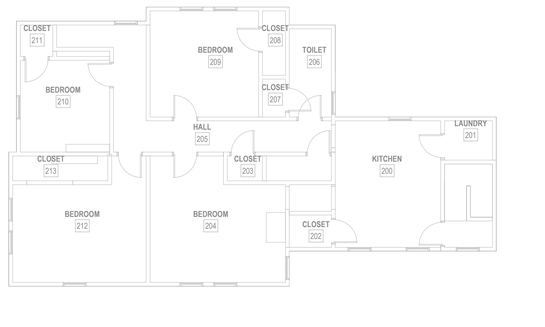
1 BASEMENT HVAC PLAN

1/8" = 1'-0"



2 LEVEL 1 HVAC PLAN

1/8" = 1'-0"



3 LEVEL 2 HVAC PLAN

1/8" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

NORTH

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING Q3 HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER: Q3
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: Q3-MH-201
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	

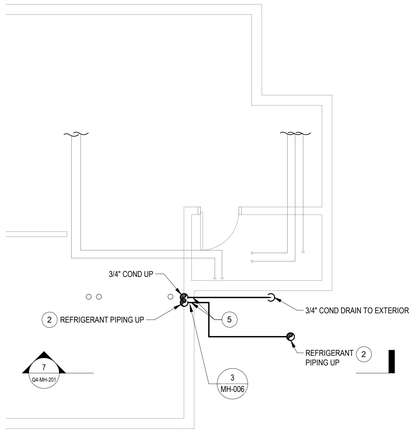
REISSUED 02-18-2026

VA FORM 08 - 6231

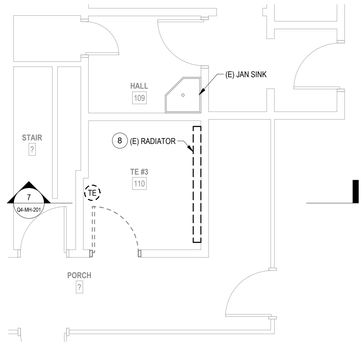
Autodesk Docs://22117_VA Medical Center - Togus ME/22-065 Togus EHRM_B-Q03_Mechanical - 2025.rvt
11/6/2025 10:16:34 AM

PLAN NOTES

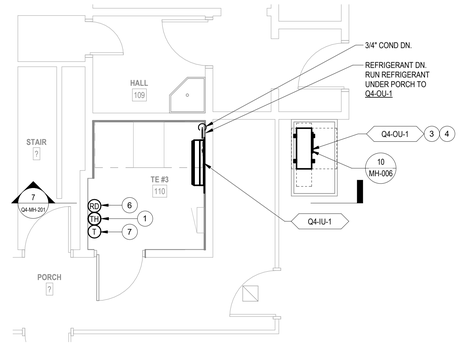
1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
3. REFER TO ARCHITECTURAL DETAIL 1/00-GI-012 FOR OUTDOOR MECHANICAL UNIT PROTECTION DETAIL.
4. REFER TO CIVIL DETAIL SHEET 00-CU-304 FOR MECHANICAL EQUIPMENT PAD MOUNTING DETAIL.
5. SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
6. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
7. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
8. DEMOLISH EXISTING MECHANICAL EQUIPMENT AND ANY ASSOCIATED PIPING BACK TO MAIN BRANCH AND CAP. DEMOLISH ANY ASSOCIATED CONTROLS AND WIRING BACK TO NEAREST CONTROL PANEL OR JUNCTION BOX.



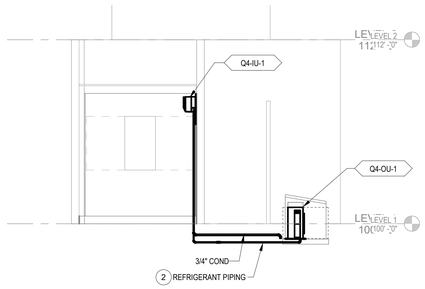
4 BASEMENT 110 TE #3 HVAC PLAN
1/4" = 1'-0"



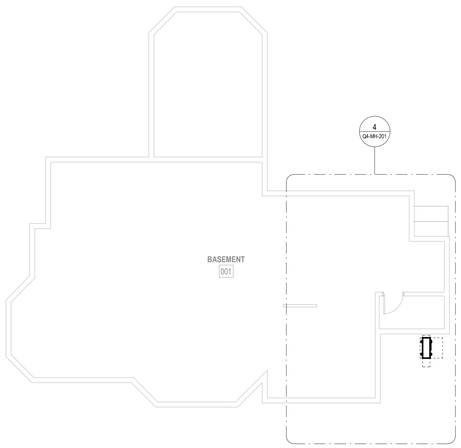
5 LEVEL 1 110 TE #3 HVAC DEMOLITION PLAN
1/4" = 1'-0"



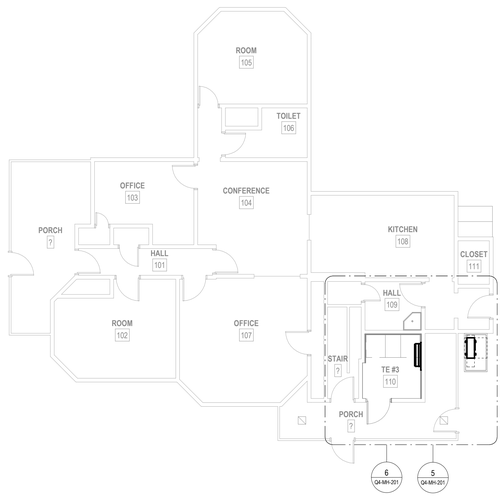
6 LEVEL 1 110 TE #3 HVAC PLAN
1/4" = 1'-0"



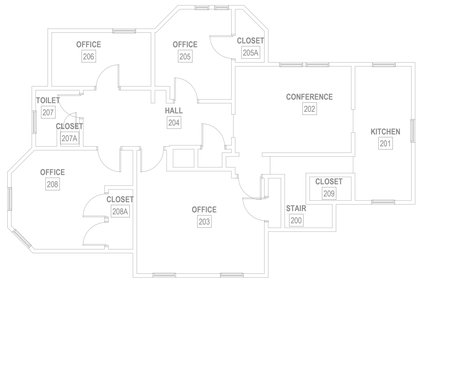
7 BUILDING Q4 SECTION 1
1/4" = 1'-0"



1 BASEMENT HVAC PLAN
1/8" = 1'-0"



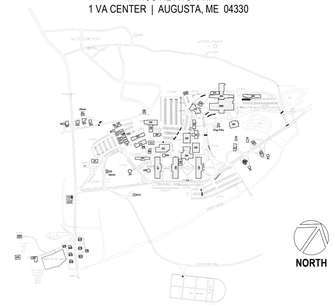
2 LEVEL 1 HVAC PLAN
1/8" = 1'-0"



3 LEVEL 2 HVAC PLAN
1/8" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330



Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

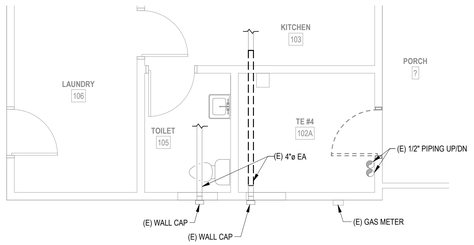
DRAWING TITLE: BUILDING Q4 HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER: Q4
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: Q4-MH-201
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	

REISSUED 02-18-2026

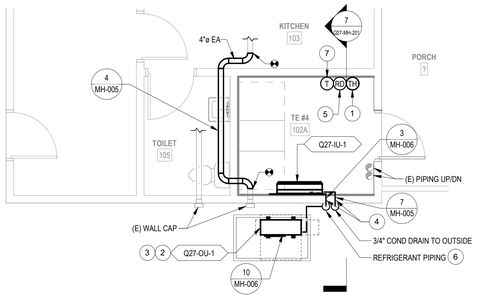
Autodesk Docs://22117_VA Medical Center - Togus ME/22-065 Togus EHRM_B-Q04_Mechanical - 2025.rvt
11/6/2025 11:12:06 AM
VA FORM 08 - 6231

PLAN NOTES

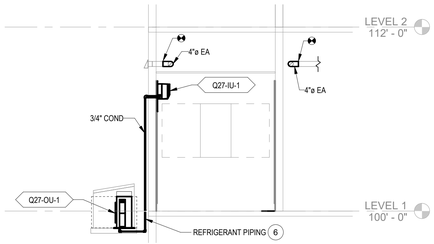
1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. REFER TO CIVIL DETAIL SHEET 00-CU-304 FOR MECHANICAL EQUIPMENT PAD MOUNTING DETAIL.
3. REFER TO ARCHITECTURAL DETAIL 1/00-GI-012 FOR OUTDOOR MECHANICAL UNIT PROTECTION DETAIL.
4. SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
5. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
6. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
7. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.



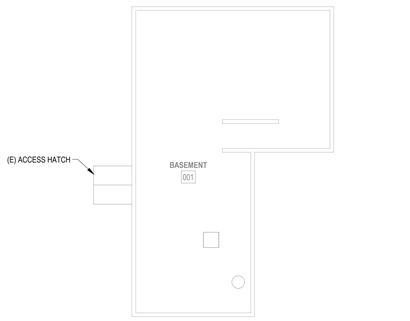
5 LEVEL 1 104 TE #4 HVAC DEMOLITION PLAN
1/4" = 1'-0"



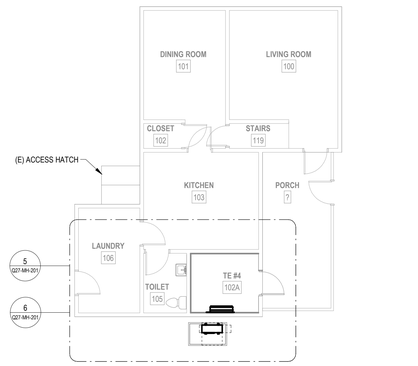
6 LEVEL 1 104 TE #4 HVAC PLAN
1/4" = 1'-0"



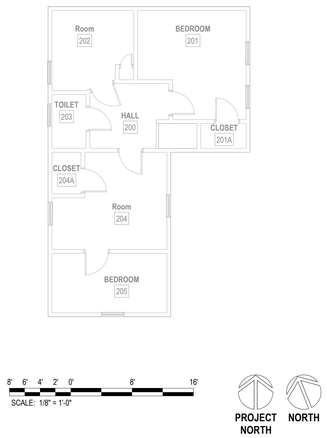
7 BUILDING Q27 SECTION 1
1/4" = 1'-0"



1 BASEMENT HVAC PLAN
1/8" = 1'-0"



2 LEVEL 1 HVAC PLAN
1/8" = 1'-0"



3 LEVEL 2 HVAC PLAN
1/8" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330

Revisions:	Date:

CONSULTANT

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP

STATE OF ALASKA
SCOTTEN BLAIR
ME-132203
REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)

VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING Q27 HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
			BUILDING NUMBER: Q27
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	DRAWING NUMBER: Q27-MH-201
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	

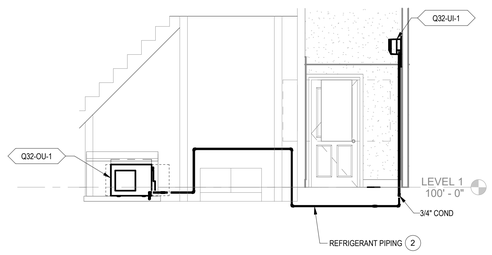
Autodesk Docs://22117_VA Medical Center - Togus ME\22-065 Togus EHRM_B-Q27_Mechanical - 2025.rvt
11/6/2025 11:22:18 AM

VA FORM 08 - 6231

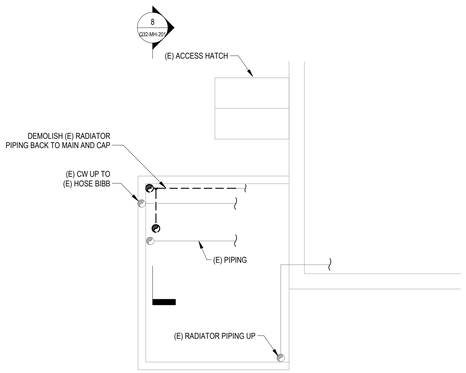
REISSUED 02-18-2026

PLAN NOTES

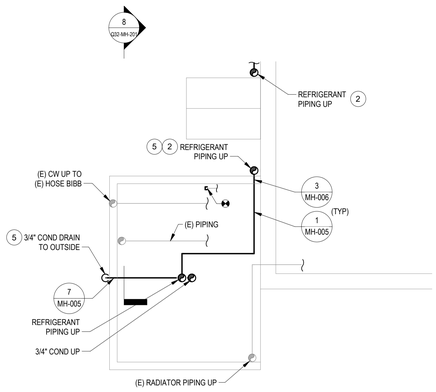
1. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
2. REFRIGERANT PIPING SHOWN REPRESENTS BOTH SUPPLY AND RETURN PIPES. SIZE PER MANUFACTURER'S RECOMMENDATION.
3. REFER TO ARCHITECTURAL DETAIL 100-GI-012 FOR OUTDOOR MECHANICAL UNIT PROTECTION DETAIL.
4. REFER TO CIVIL DETAIL SHEET 00-CU-304 FOR MECHANICAL EQUIPMENT PAD MOUNTING DETAIL.
5. SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
6. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
7. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
8. DEMOLISH EXISTING MECHANICAL EQUIPMENT AND ANY ASSOCIATED PIPING BACK TO MAIN BRANCH AND CAP. DEMOLISH ANY ASSOCIATED CONTROLS AND WIRING BACK TO NEAREST CONTROL PANEL OR JUNCTION BOX.



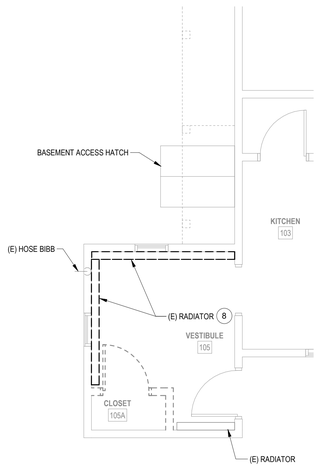
8 BUILDING Q32 SECTION 1
1/4" = 1'-0"



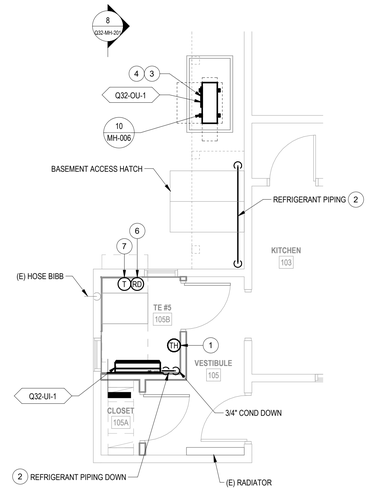
4 BASEMENT 105B TE #5 HVAC DEMOLITION PLAN
1/4" = 1'-0"



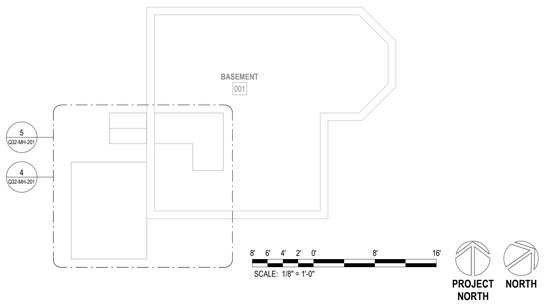
5 BASEMENT 105B TE #5 HVAC PLAN
1/4" = 1'-0"



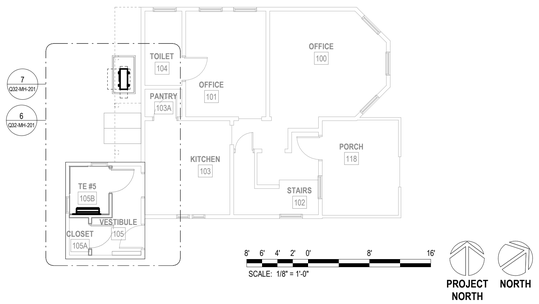
6 LEVEL 1 105B TE #5 HVAC DEMOLITION PLAN
1/4" = 1'-0"



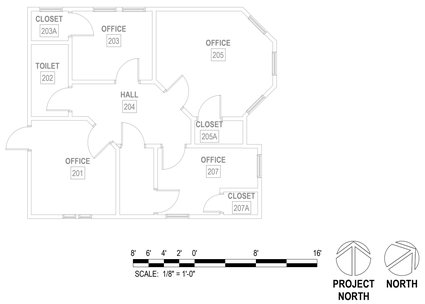
7 LEVEL 1 105B TE #5 HVAC PLAN
1/4" = 1'-0"



1 BASEMENT HVAC PLAN
1/8" = 1'-0"



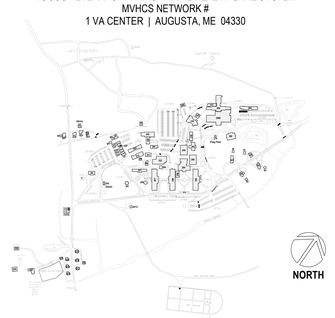
2 LEVEL 1 HVAC PLAN
1/8" = 1'-0"



3 LEVEL 2 HVAC PLAN
1/8" = 1'-0"

PROJECT KEY PLAN

TOGUS VETERANS AFFAIRS - MAINE HEALTH CARE SYSTEM
MVHCS NETWORK #
1 VA CENTER | AUGUSTA, ME 04330



Revisions:	Date:

CONSULTANT
CONSULTANT

ARCHITECT/ENGINEER OF RECORD
A/E
GDM-AE, INC.
1308 NE. 134th ST., Suite A
Vancouver, WA 98685
P: 541-436-4723
SCOTTEN BLAIR, PE
WWW.GDM-AE.COM

GDM ARCHITECTS - ENGINEERS

STAMP
STATE OF ALASKA 49TH SCOTTEN BLAIR ME-132203 REGISTERED PROFESSIONAL ENGINEER

PROGRAM CONTRACTING ACTIVITY CENTRAL (PCAC)
VA U.S. Department of Veterans Affairs

DRAWING TITLE: BUILDING Q32 HVAC PLANS	PHASE: 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE: ELECTRONIC HEALTH RECORD MODERNIZATION (EHRM) INFRASTRUCTURE UPGRADES - TOGUS, ME	PROJECT NUMBER: 402-22-700
APPROVED:	FLS: FULLY SPRINKLERED	LOCATION: TOGUS VA MEDICAL CENTER	BUILDING NUMBER: Q32
		ISSUE DATE: NOVEMBER 10, 2025 / CHECKED BY: JB / DRAWN BY: KT	DRAWING NUMBER: Q32-MH-201

REISSUED 02-18-2026

VA FORM 08 - 6231

Autodesk Docs://22117_VA Medical Center - Togus ME/22-055 Togus EHRM_B-Q32_Mechanical - 2025.rvt
11/6/2025 11:33:01 AM