REPAIR BUILDING 100 ENVELOPE MOISTURE BARRIER
Alaska VA Healthcare System

PROJECT TEAM

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PROJECT NUMBER
463-21-101

ABBREVIATIONS

A	
ACT	ACOUSTICAL CEILING TILE
ADJ	ADJACENT
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANNODIZED
APPROX	APPROXIMATE
B	
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BOD	BOTTOM OF DECK
BOT	BOTTOM
C	
CAB	CABINET(S)
CJ	CONROL JOINT
CL	CENTER LINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CORR	CORRIDOR
CPT	CARPET
CT	CERAMIC TILE
D	
D	DEEP/DEPTH
DBL	DOUBLE
DEG	DEGREE
DEMO	DEMOLITION
DF	DRINKING FOUNTAIN
DIAM	DIAMETER
DIFF	DIFFERENCE
DIM	DIMENSION
DISP	DISPENSER / DISPOSAL
DN	DOWN
DWG	DRAWING(S)
E	
EA	EACH
ELEC	ELECTRIC
EQ	EQUAL
EQUIP	EQUIPMENT
EXG	EXISTING
EXP JT	EXPANSION JOINT
EXT	EXTERIOR
F	
FACP	FIRE ALARM CONTRL PANEL
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FIN	FINISH
FLR	FLOOR
FOC	FACE OF CABINET
FOF	FACE OF FINISH

FOS	FACE OF STUD
FOW	FACE OF WALL
G	
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GEN	GENERAL
GLU-LAM	GLUE LAM BEAM
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
H	
HDWR	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HIGH/HEIGHT
HVAC	HEATING VENTILATION AIR CONDITIONING
I	
IBC	INTERNATIONAL BUILDING CODE
ID	INTERIOR DESIGN
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
J	
JAN	JANITOR
JT	JOINT
K	
KIT	KITCHEN
L	
LAM	LAMINATED
LAV	LAVATORY
LF	LINEAR FEEET
M	
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MFG	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MR	MOISTURE RESISTANT
MS	METAL STUD
MTD	MOUNTED
MTL	METAL
N	
NA	NOT APPLICABLE
NAP	NAPKIN
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
O	
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
ORIG	ORIGINAL

P	
PLAM	PLASTIC LAMINATE
PLWD	PLYWOOD
PREFAB	PRE FABRICATED
PREFIN	PRE FINISHED
PT	PAINT
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
Q	
QT	QUARRY TILE
R	
RAD	RADIUS
RB	RUBBER
REF	REFERENCE
REINF	REINFORCING
REQD	REQUIRED
RESIL	RESILIENT
S	
SAN	SANITARY
SCHED	SCHEDULE
SF	SQUARE FOOT
SHT	SHEET
SHWR	SHOWER
SIM	SIMILAR
SOG	SLAB ON GRADE
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STO	STORAGE
T	
TEMP	TEMPORARY
THK	THICK
THRU	THROUGH
TLT	TOILET
TO	TOP OF
TPD	TOILET PAPER DISPENSER
TPTN	TOILET PARTITION
TYP	TYPICAL
U	
UC	UNDER COUNTER / UNDER CABINET
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
V	
VAR	VARIES
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
W	
W	WIDE/WIDTH
W/	WITH
W/I	WITHIN
W/O	WITHOUT
WC	WATER CLOSET
WWF	WELDED WIRE FABRIC

SCOPE OF WORK - REFERENCE DRAWINGS FOR EXTENT AT EACH AREA

SHEET A100 - AIR HANDLING ROOM PENTHOUSES

ALL PENTHOUSE EXTERIOR WALLS:
1. REMOVE THE EXTERIOR CORRUGATED SIDING FROM THE PERIMETER OF THE PENTHOUSE.
2. PROVIDE 3" OF RIGID INSULATION WITH FIBERGLASS FURRING STRIPS.
3. PATCH AND REPAIR THE AIR BARRIER TO REMAIN IN PLACE.
4. REINSTALL THE EXTERIOR SIDING.
5. PROVIDE VERTICAL CORNER PIECES TO CLOSE THE CORNERS.
6. PROVIDE NEW METAL COPING OVER THE WIDER WALL.
7. REFERENCE DETAILS FOR THE LOUVER AND DOOR OPENINGS.
8. REPAIR THE INTERIOR SIDE OF EXTERIOR WALLS WHERE CUTS WERE MADE IN THE GYPSUM BOARD TO INVESTIGATE THE VAPOR RETARDER. PATCH THE VAPOR RETARDER TO SEAL IT TIGHT, THEN PATCH AND REPAIR THE GYPSUM BOARD, TAPE AND PAINT.

ALL STAIRS TO/FROM ROOF/PENTHOUSE:
1. REMOVE THE DOOR AND FRAME, THE TOP LANDING STEP, AND THE GYPSUM BOARD ON THE INTERIOR.
2. REPAIR OR REPLACE THE VAPOR RETARDER.
3. PROVIDE A PIECE OF ROOFING OVER THE TOP OF THE SILL AND SEAL IT TO THE EXISTING ROOFING MEMBRANE.
4. PROVIDE A SECTION OF DOOR FRAME AT THE SILL TO MATCH SIZE OF EXISTING DOOR FRAME.
5. MODIFY THE DOOR AND FRAME TO FIT AROUND THE NEW DOOR SILL AND REINSTALL.
6. REINSTALL THE TOP LANDING.

AT LOUVERS:
1. REMOVE AND STORE THE LOUVERS.
2. REMOVE THE INTERIOR WALL FINISH UP TO 8 ' IN ALL DIRECTIONS AROUND THE DUCT,
3. REMOVE THE DUCT INSULATION FROM THE FACE ON THE INTERIOR WALL TO A MINIMUM OF 3 ' DOWN THE DUCT.
4. INSPECT THE WALL CAVITY FOR SIGNS OF LEAKS AND WATER DAMAGE AND SEAL GAPS AND REPLACE MATERIALS AS NECESSARY.
5. REPLACE THE WALL AND DUCT INSULATION.
6. REPLACE THE VAPOR RETARDER AND SEAL TIGHT TO EXISTING VAPOR RETARDER.
7. REINSTALL OR REPLACE THE LOUVER. LOUVERS DAMAGED DURING REMOVAL SHALL BE REPLACED WITH NEW.

SHEET A110 - ROOF ACCESS STAIR PENTHOUSE

1. REMOVE THE METAL PANELS AND MOUNTING FRAME FROM THE SOUTH FACE OF THIS PENTHOUSE.
2. REMOVE AND REPLACE THE AIR BARRIER.
3. ADD 3" OF RIGID INSULATION IN FIBERGLASS FURRING STRIPS.
4. REPLACE THE METAL MOUNTING FRAME AND THE METAL PANELS
5. PROVIDE NEW VERTICAL CORNER PIECES
6. PROVIDE NEW METAL COPING AT THE TOP OF THE WALL.
7. REMOVE AND REPLACE ALL SCUPPERS ON UPPER PENTHOUSE AND ATRIUM ROOFS

SHEET A120 - ATRIUM WALLS

1. REMOVE THE EXTERIOR METAL PANEL SIDING FROM THE PERIMETER OF THE ATRIUM.
2. PROVIDE 3" OF RIGID INSULATION WITH FIBERGLASS FURRING STRIPS.
3. PATCH AND REPAIR THE AIR BARRIER TO REMAIN IN PLACE.
4. REINSTALL THE EXTERIOR SIDING.
5. PROVIDE VERTICAL CORNER PIECES TO CLOSE THE CORNERS.
6. PROVIDE NEW METAL COPING OVER THE WIDER WALL.
7. CREATE A SILL DAM USING CLOSED CELL LOW EXPANSION SPRAY FOAM AND BACKER ROD ON TOP OF THE ROOFING MEMBRANE AT THE INTERIOR WALL TO APPROXIMATELY ¾" IN FROM THE FACE OF THE FRAME.
8. CLEAN INSIDE AND OUTSIDE OF ALUMINUM FRAMING AND GLASS PER MANUF. RECOMMENDATION.

SHEET A130 - GLAZED CURTAIN WALLS

AT WINDOWS 'A', 'B' AND 'C':
1. REMOVE THE ENTIRE CURTAINWALL SECTION.
2. INFILL WITH TYPICAL EXTERIOR WALL TO MATCH THE "COMPOSITE METAL PANEL" WALL TYPE.
3. PROVIDE 2 SINGLE FIXED WINDOWS UNITS, ONE AT EACH LEVEL, AT FRAMES 'A' AND 'C'.
4. AT FRAME 'B', REINSTALL SALVAGED DOOR AND FRAME AT FIRST LEVEL AND NEW FIXED WINDOW AT UPPER LEVEL.
5. REBUILD THE PARAPET AND REPLACE THE COPING.

ALONG GRID W 0.0:
1. REMOVE THE CEILING ALONG THE WALL.
2. FILL SPACE AROUND BEAM AND BOTTOM OF ROOF DECK WITH CLOSED CELL SPRAY FOAM INSULATION FROM THE TOP OF THE WINDOW HEAD AND NEW FIXED WINDOW AT UPPER LEVEL.
3. REPLACE THE CEILING WITH MATERIAL TO MATCH EXISTING (GWB OR ACT).
4. REPLACE ALL MULLION AND FRAMING PIECES THAT ARE DEFORMED. APPROXIMATELY 2-4 PIECES, FIELD VERIFY.
5. CLEAN OXIDATION FROM ALL INTERIOR FRAMING AND GLASS AS RECOMMENDED BY THE MANUFACTURER.
6. REMOVE ALL EXTERIOR GLAZING FROM ENTIRE WALL AND REPLACE WITH NEW.

SHEET A140 - SEISMIC JOINT & STAIR HVAC DETAILS

AT DOOR FROM FACILITIES OFFICE TO LINK ROOF:
1. REBUILD AND REPLACE THE SEISMIC JOINT.

AT STAIR 03:
1. DISCONNECT WATER LINES TO EXISTING AHU UNIT ABOVE CEILING.
2. ABANDON UNIT IN PLACE.
3. CONNECT PLUMBING LINES TO NEW HVAC UNIT MOUNTED ABOVE DOOR ALCOVE.
4. ADD NEW ACCESS DOOR TO CEILING IN ALCOVE.
5. PATCH HOLE IN CEILING WHERE EXISTING HVAC UNIT IS ABANDONED.

GENERAL NOTES

1. COORDINATE WITH ALL PLANS AND DETAILS FOR CLARIFICATIONS OF DEMOLITION SCOPE PRIOR TO PROCEEDING.

2. GC TO COMPLY WITH BLDG. CONSTRUCTION CODES AND REGULATIONS.

3. THESE DRAWINGS ARE SUPPLIED TO THE CONTRACTOR AND OTHERS FOR THEIR USE FOR THIS SPECIFIC PROJECT.

4. THE ORGANIZATION OF DOCUMENTS ARE NOT INTENDED TO CONTROL THE DIVISION OF WORK. DIVISION OF WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

5. DIMENSIONS ARE TO FACE OF FINISH AT EXISTING REMAINING WALLS, FACE OF STUD AT NEW WALLS, OR CENTERLINE OF COLUMNS, UNLESS OTHERWISE NOTED.

6. CONTRACTOR SHALL VERIFY DIMENSIONS, REQUIRED CLEARANCES, AND POWER AND HVAC REQUIREMENTS FOR ALL ITEMS. NOTIFY OWNERS REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF WORK.

7. DO NOT SCALE DRAWINGS; VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.

8. FIELD VERIFY AREA OF WORK. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DEMOLITION SCOPE AND FIELD CONDITIONS. ALL ELEMENTS NOT SHOWN TO BE DEMOLISHED REQUIRE ARCHITECTS REVIEW AND APPROVAL.

9. DRAWINGS IN THIS SET USE BACKGROUND IMAGES FROM THE ORIGINAL DESIGN DOCUMENTS FOR CLARITY OF CONTEXT OF WORK. THESE ARE FOR INFORMATION ONLY. WORK UNDER THIS CONTRACT IS ANNOTATED WITH DIFFERENT FONT. CONTACT ARCHITECT IF ANY DISCREPANCY IS DISCOVERED FROM INSTALLED CONDITIONS.

10. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DEMOLITION WORK, INCLUDING BUT NOT LIMITED TO ALL BUILDING SERVICES, UTILITIES, DATA, TELECOM, SECURITY, FIRE/LIFE SAFETY, AND HVAC SERVING THE BUILDING SHALL REMAIN OPERATIONAL AND UNAFFECTED BY THE DEMOLITION. ANY DISRUPTIONS IN SERVICES SHALL BE SCHEDULED WITH THE BUILDING MANAGEMENT OFFICE.

11. PROTECT ALL EXISTING CONSTRUCTION TO REMAIN.

12. CONTRACTOR SHALL PATCH AND REPAIR ALL DAMAGE DUE TO DEMOLITION AND/OR NEW WORK. THIS INCLUDES WALL SUBSTRATES AND FINISHES, CEILING MATERIALS AND FINISHES, AND FLOOR SUBSTRATES AND FINISHES. PREPARE SURFACES TO RECEIVE NEW FINISHES IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS. WHERE NOT INDICATED OTHERWISE, REPAIR SHALL MATCH ADJACENT SUBSTRATE, MATERIALS, TEXTURE, PATTERN, COLOR, AND FINISH. WHERE PATCHED AREA FINISHES DO NOT MATCH EXACTLY, THE ENTIRE AREA SHALL BE REPAIRED / REPLACED / REFINISHED TO PROVIDE A UNIFORM FINISH. ALL DAMAGE CAUSED BY THE CONTRACTOR, WHETHER RELATED TO DEMOLITION OR NEW CONSTRUCTION, SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO MATCH EXISTING ADJACENT FINISH CONDITION. THIS INCLUDES AREAS OF THE BUILDING RELATED TO THE PROJECT BUT NOT DIRECTLY IN THE SCOPE OF WORK, SUCH AS LAY-DOWN AREAS, STORAGE AREAS, AND AREAS WHERE MOVEMENT OF EQUIPMENT AND MATERIALS TAKES PLACE.

13. EXISTING REMAINING INTERIOR WALLS AFFECTED BY THE AREA OF WORK WILL BE FLOATED TO SMOOTH SUBSTRATE, SIMILAR TO NEW CONSTRUCTION, AND PAINTED FLOOR TO CEILING/CORNER TO CORNER. PREPARE FOR INSTALLATION OF NEW FINISHES PER MANUFACTURES RECOMMENDATIONS.

14. SEE MEP CONSULTANT'S SPECIFICATIONS FOR SCOPE OF DEMOLITION OF MECHANICAL, ELECTRICAL & PLUMBING WORK.

15. FIRE PROTECTION SYSTEM MUST REMAIN FULLY OPERATIONAL DURING CONSTRUCTION.

16. A RATED CONSTRUCTION BARRIER MUST BE PROVIDED UNLESS THE AUTHORITY HAVING JURISDICTION (VISN SAFETY ENGINEER) CONCURS THAT THE CONSTRUCTION WORK IS NO MORE HAZARDOUS THAN NORMAL OPERATIONS. EXISTING WALLS CREDITED AS PART OF A RATED CONSTRUCTION BARRIER MUST BE CONFIRMED TO EXTEND TO THE DECK ABOVE WITH ALL PENETRATIONS FIRESTOPPED. IF WALL UPGRADES ARE REQUIRED TO ESTABLISH THE RATED CONSTRUCTION BARRIER, IDENTIFY THIS WORK ON THIS DRAWING. WORK AREAS THAT EXPOSE BUILDING INSULATION WITHIN THE RATED CONSTRUCTION BARRIERS MUST BE NEGATIVELY PRESSURIZED ADJACENT TO NON-CONSTRUCTION AREAS. PROVIDE EXHAUST AIR / NEGATIVE AIR MACHINES AS REQUIRED TO MAINTAIN PRESSURIZATION. USE OF EXISTING HVAC SYSTEMS ALLOWED ONLY UNDER 100% EXHAUST CONDITIONS (I.E. NO RECIRCULAITON OF SPACE EXHAUST TO THE REST OF THE FACILTY) AND WITH PERMISSION OF THE COR. PROVIDE VISIBLE PRESSURE MONITOR PER SPECIFICATIONS TO VERIFY PRESSURIZATION IS BEING MAINTAINED.

17. REFER TO VA GUIDLINES FOR ICRA REQUIREMENTS. ICRA BARRIER REQUIREMENTS ARE DETERMINED BY THE MEDICAL CENTER 'S INFECTION CONTROL PROCESS. A RATED BARRIER IS REQUIRED IF THE SPRINKLERS IN THE CONSTRUCTION AREAS REMAIN IN SERVICE, BUT CEILING REMOVAL WOULD RENDER THEM INEFFECTIVE SUCH THAT TEMPORARY UPRIGHT SPRINKLERS WOULD HAVE TO BE INSTALLED IF CEILING REMOVAL LASTS MORE THAN A SHIFT.

18. HAZARDOUS MATERIALS ARE NOT EXPECTED TO BE ENCOUNTERED. HOWEVER, IT IS POSSIBLE FOR MOLD TO BE FOUND INSIDE WALLS THAT HAVE REMAINED WET. THE PRESENCE OF MOLD IN THIS LOCATION MAY OR MAY NOT POSE HEALTH RISKS . IF MOLD IS ENCOUNTERED DURING THE DEMOLITION PROCESS, GC SHALL CONTACT THE VA IMMEDIATELY. THE VA WILL CONTACT AN INDUSTRIAL HYGENIST TO ASSESS THE EXTENT OF THE PROBLEM AND RECOMMEND TREATMENT.

PREPARATION REQUIREMENTS:
CONTRACTOR SHALL SUBMIT A WORK SCHEDULE INDICATING PROPOSED SEQUENCE OF OPERATIONS FOR SELECTIVE DEMOLITION AND CONSTRUCTION WORK TO DESIGN TEAM AND VA FOR REVIEW. INCLUDE COORDINATION FOR SHUT OFF, CAPPING AND/OR CONTINUATION OF UTILITY SERVICES AS REQUIRED, TOGETHER WITH DETAILS FOR DUST AND NOISE CONTROL. PROVIDE DETAILED SEQUENCE OF DEMOLITION AND REMOVAL WORK TO ENSURE UNINTERRUPTED PROGRESS OF OWNER'S ONSITE OPERATIONS AND BUILDING OPERATIONS.

CONTRACTOR IS SOLELY RESPONSIBLE FOR SHORING, BRACING, OR SUPPORT TO PREVENT MOVEMENT, SETTLEMENT OR COLLAPSE OF STRUCTURES TO BE DEMOLISHED AND ADJACENT FACILITIES TO REMAIN. WORK SHALL BE DONE UNDER THE SUPERVISION OF A LICENSED STRUCTURAL ENGINEER PROVIDED BY THE CONTRACTOR AT THE PROJECT SITE. CONTRACTOR SHALL CEASE OPERATIONS AT HIS/HER DISCRETION AND NOTIFY OWNER AND BUILDING MANAGEMENT IMMEDIATELY IF SAFETY OF STRUCTURE APPEARS TO BE ENDANGERED. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS AS DIRECTED BY THE CONTRACTOR'S LICENSED STRUCTURAL ENGINEER TO SAFELY SUPPORT THE STRUCTURE UNTIL A DETERMINATION IS MADE FOR CONTINUING THE WORK AS DIRECTED BY THE CONTRACTOR'S LICENSED STRUCTURAL ENGINEER. CONTRACTOR IS SOLELY RESPONSIBLE FOR DEMOLITION MEANS AND METHODS.

DRAWING SYMBOLS

- 1 / A101 SIM — BUILDING SECTION CALLOUT MARK
- 1 / A101 SIM — DETAIL CALLOUT MARK
- A7.01 / 1 — EXTERIOR ELEVATION CALLOUT MARK
- 4 / A7.02 / 2 / 3 — INTERIOR ELEVATION CALLOUT MARK
- Room Name / 101 — ROOM TITLE TAG
- 11 — WINDOW TAG
- 11 — WALL TYPE TAG
- A1A / 60 / 000 SIZE MOD — DOOR TAG
- PARKER PEAK — REFERENCE NORTH ARROW

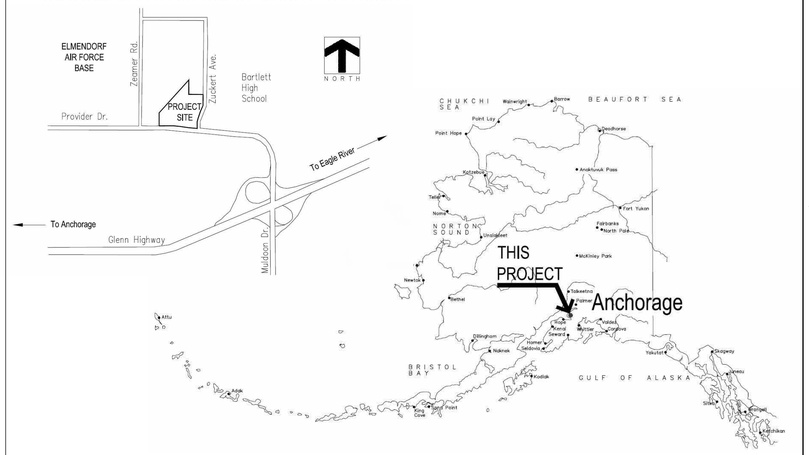
DRAWING INDEX

GENERAL
G1.00 COVER AND GENERAL INFORMATION SHEET
G1.01 KEY PLANS
G1.02 KEY ELEVATIONS

ARCHITECTURE
A100 AIR HANDLING ROOM PENTHOUSES
A110 STAIR 04 PANEL REPLACEMENT
A120 ATRIUM CURTAIN WALL AND PARAPET
A130 GLAZED CURTAIN WALL
A140 SEISMIC JOINT AND STAIR HVAC DETAILS

MECHANICAL
ME001 MECH & ELEC.LEGEND, SCHED, CONTROLS
ME101 MECH & ELEC FLOOR PLANS AND DETAILS

GOOGLE EARTH IMAGE OF EXISTING FACILITY



Revisions:	Date:

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STAMP
STATE OF ALASKA — 49th — LAURA M STRAUSS — No. A-11193 — REGISTERED PROFESSIONAL ARCHITECT

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: COVER AND GENERAL INFORMATION SHEET	Phase: IFC	Project Title: REPAIR BUILDING 100 MOISTURE BARRIER	Project Number: 463-21-101
			Building Number:
Approved:	Location: ANCHORAGE, ALASKA	SPRINKLERED	Drawing Number: G1.00
		Issue Date: FEBRUARY 14, 2024 / Checked: lms / Drawn: LMS	

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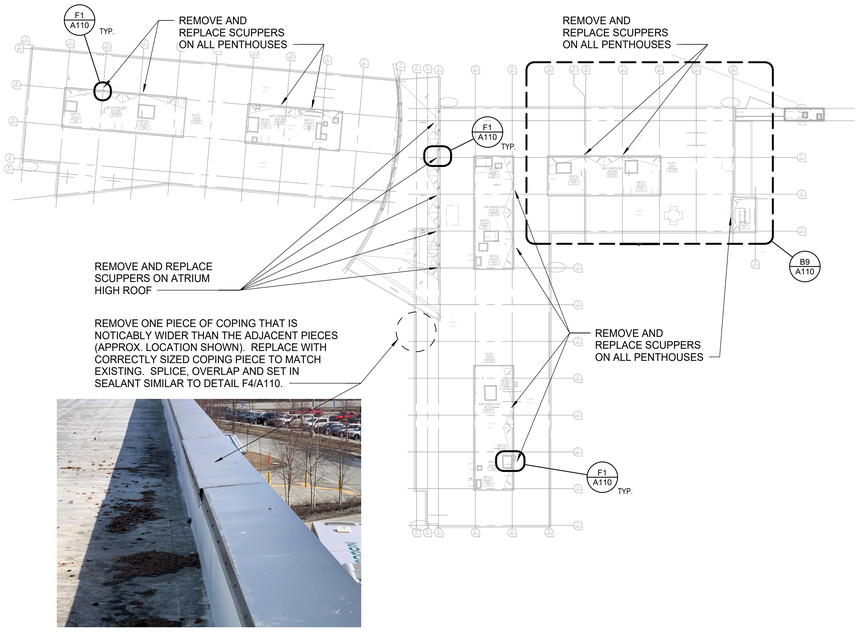
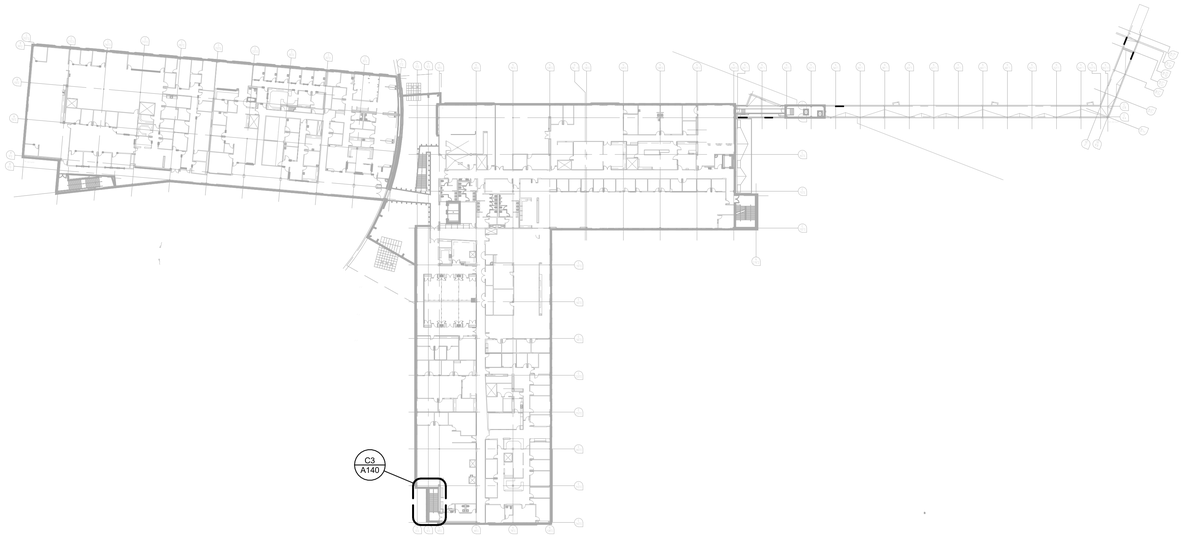
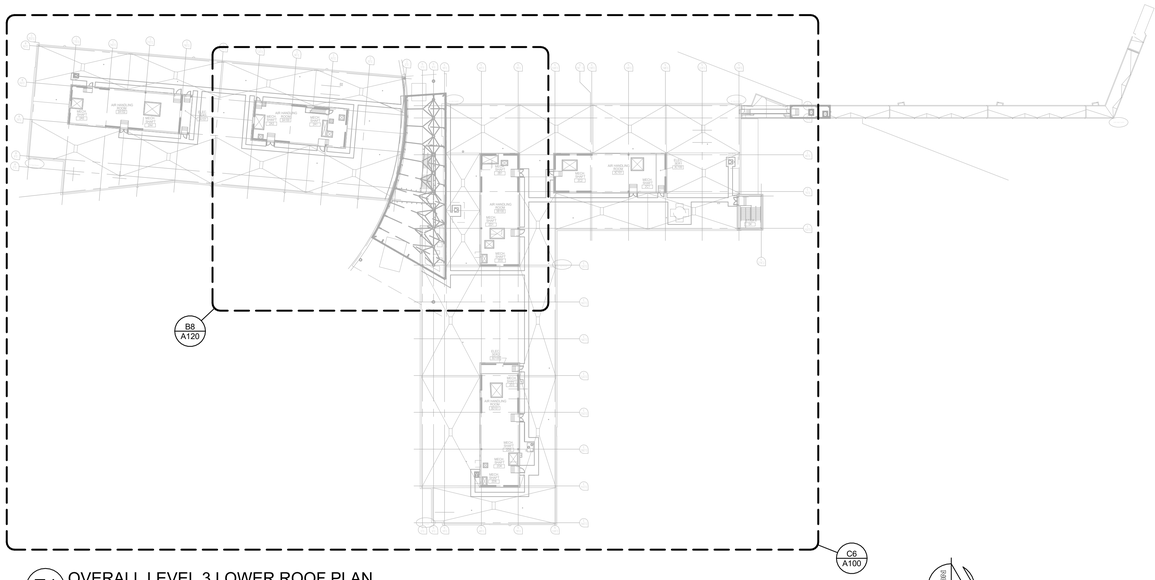


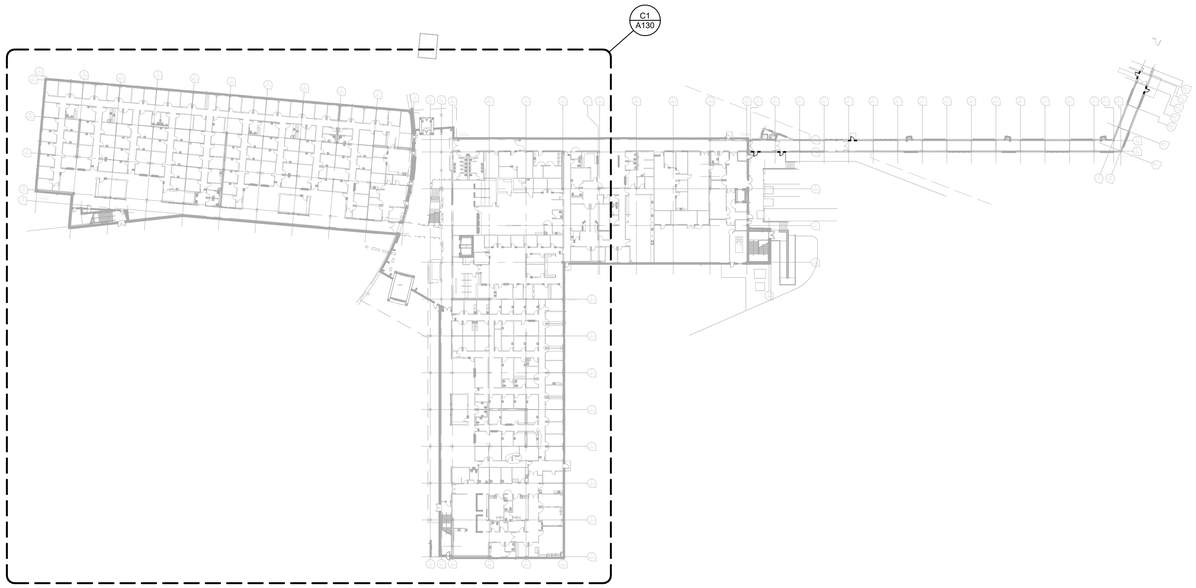
D1 OVERALL LEVEL 4 UPPER ROOF PLAN
1" = 50'-0"



D7 OVERALL LEVEL 2 FLOOR PLAN
1" = 50'-0"



F1 OVERALL LEVEL 3 LOWER ROOF PLAN
1" = 50'-0"



F7 OVERALL FLOOR PLAN - LEVEL 1
1" = 50'-0"

Revisions:	Date:

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STAMP

STATE OF ALASKA
49th
LAURA M STRAUSS
No. A-11193
REGISTERED PROFESSIONAL ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: KEY PLANS

Approved:

Phase: IFC

Location: ANCHORAGE, ALASKA

Project Title: REPAIR BUILDING 100 MOISTURE BARRIER

SPRINKLERED

Issue Date: FEBRUARY 14, 2024

Checked: Checker

Drawn: Author

Project Number: 463-21-101

Building Number:

Drawing Number: G1.01

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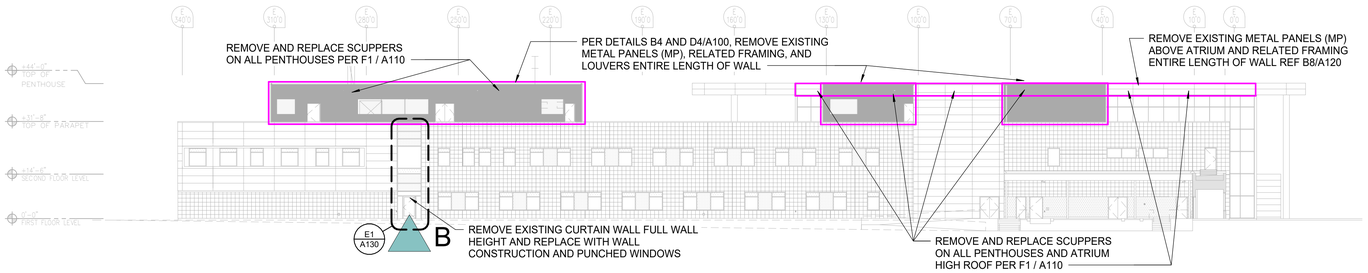
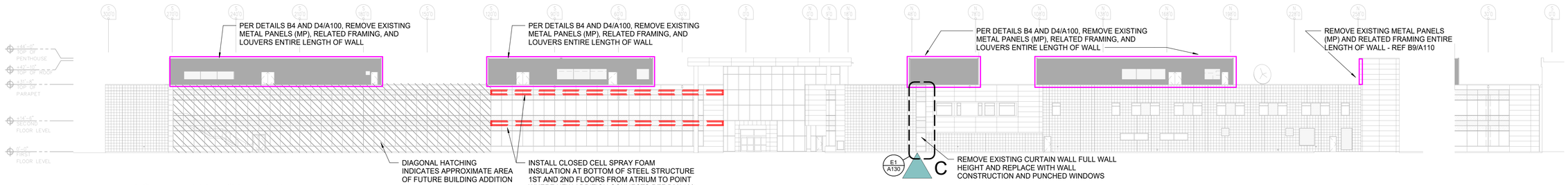
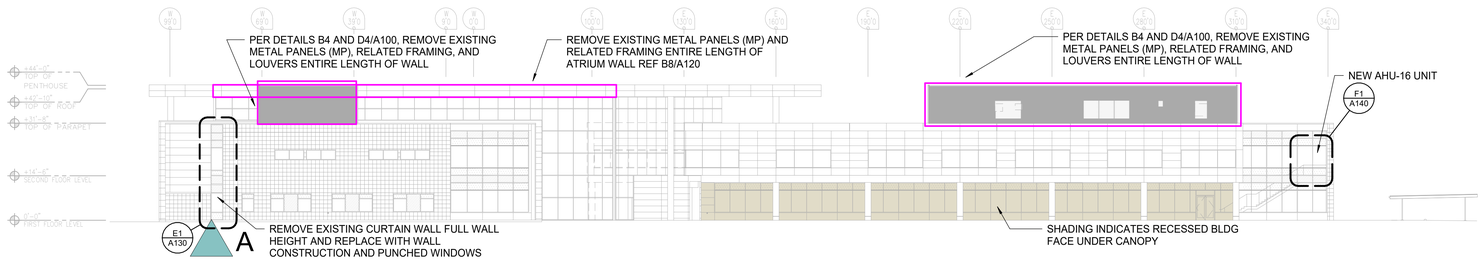


NORTH ELEVATION - KEY



EAST ELEVATION - KEY



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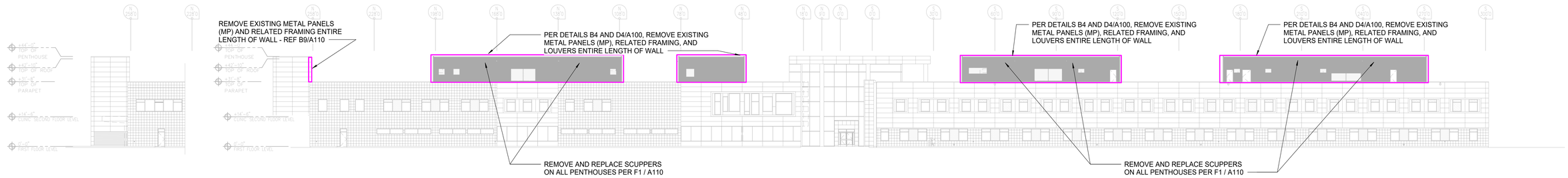

WEST ELEVATION - KEY

F1 KEY ELEVATIONS
1" = 20'-0"

Revisions:	Date:

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STATE OF ALASKA 49th LAURA M STRAUSS No. A-11193 REGISTERED PROFESSIONAL ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
KEY ELEVATIONS	IFC	REPAIR BUILDING 100 MOISTURE BARRIER	463-21-101
			Building Number
Approved:	Location: ANCHORAGE, ALASKA	SPRINKLERED	Drawing Number
		Issue Date: FEBRUARY 14, 2024 / Checked: Checker / Drawn: Author	G1.02

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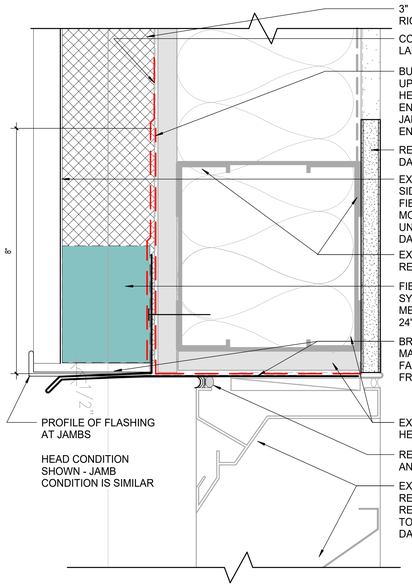
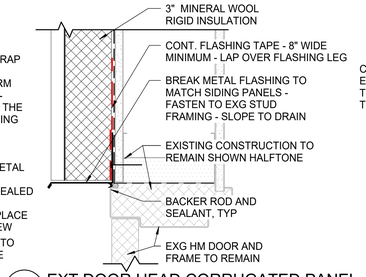
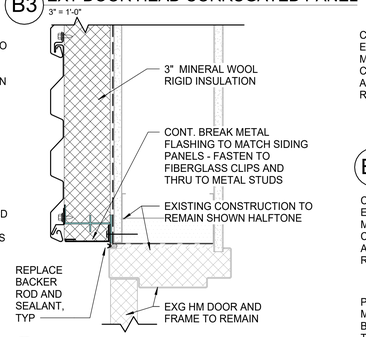


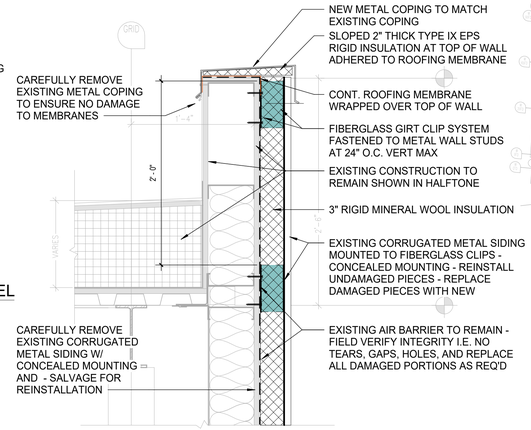
C1 LOUVER HEAD/JAMB SECTION
6" = 1'-0"



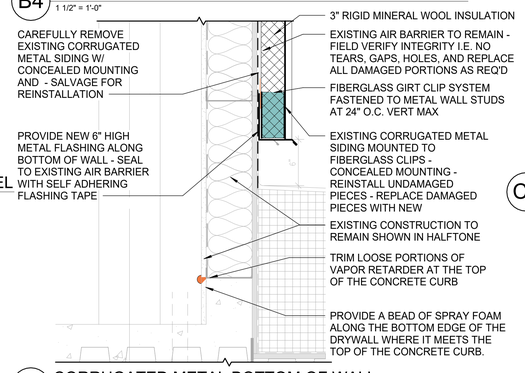
B3 EXT DOOR HEAD CORRUGATED PANEL
3" = 1'-0"



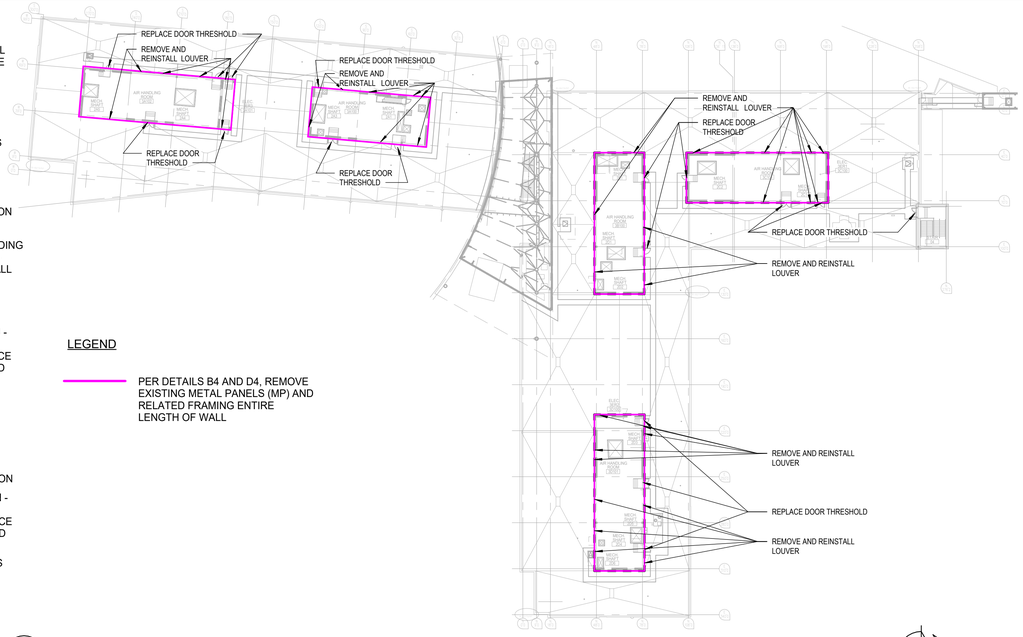
C3 EXT DOOR JAMB CORRUGATED PANEL
3" = 1'-0"



B4 CORRUGATED METAL PARAPET
1 1/2" = 1'-0"



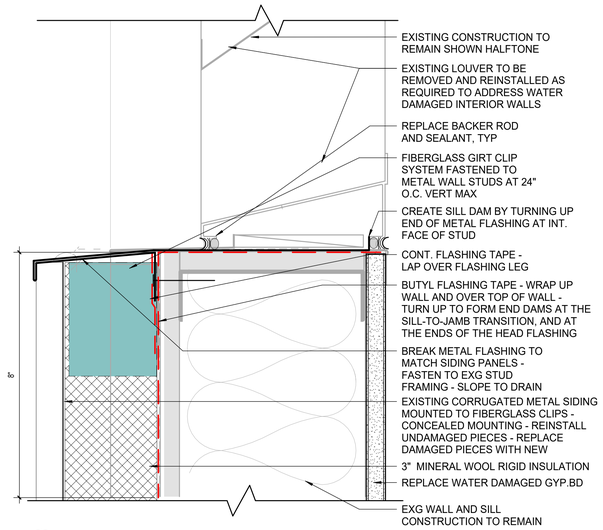
D4 CORRUGATED METAL BOTTOM OF WALL
1 1/2" = 1'-0"



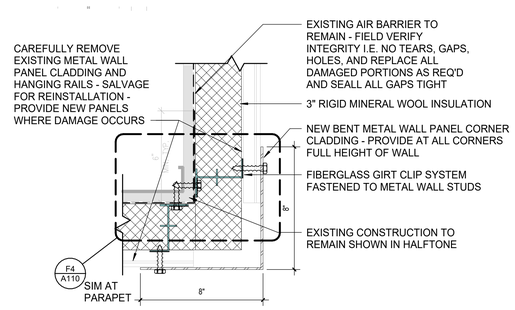
LEGEND

PER DETAILS B4 AND D4, REMOVE EXISTING METAL PANELS (MP) AND RELATED FRAMING ENTIRE LENGTH OF WALL

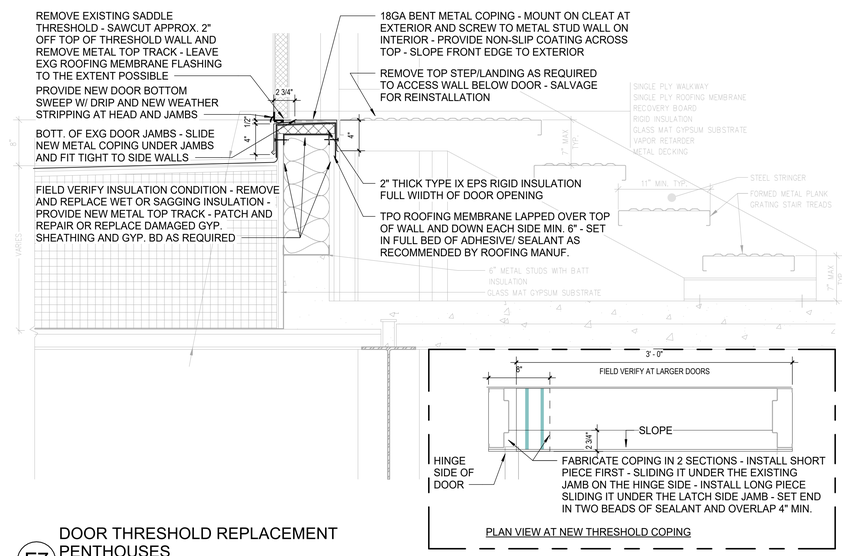
C6 AIR HANDLING ROOM PENTHOUSES
1" = 40'-0"



E1 LOUVER SILL SECTION
6" = 1'-0"



E4 OUTSIDE CORNER PENTHOUSE
3" = 1'-0"



F7 DOOR THRESHOLD REPLACEMENT PENTHOUSES
1 1/2" = 1'-0"

Revisions:	Date:

CONSULTANT

Consultant:

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Blue Trident, LLC Engineering and Construction Services

STAMP

STATE OF ALASKA 49TH LAURA M STRAUSS No. A-11193 REGISTERED PROFESSIONAL ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
AIR HANDLING ROOM PENTHOUSES	IFC	REPAIR BUILDING 100 MOISTURE BARRIER	463-21-101
Approved:	Location: ANCHORAGE, ALASKA	SPRINKLERED	Building Number
		Issue Date: FEBRUARY 14, 2024 / Checked: BC / Drawn: LMS	Drawing Number: A100

VA FORM 08 - 6231

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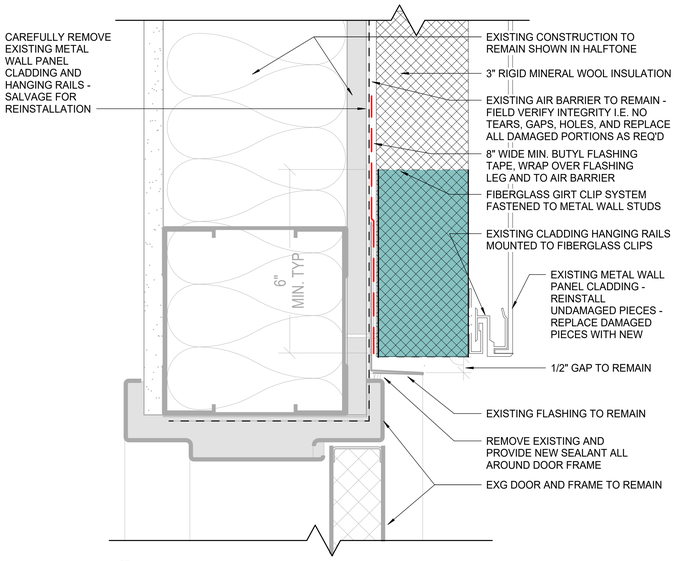
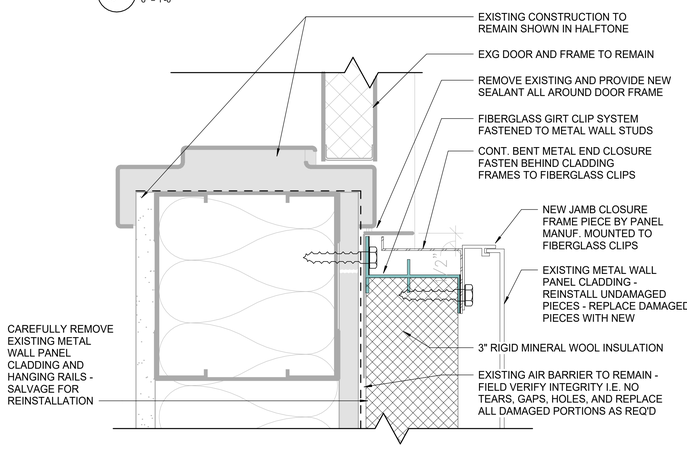
TYP SCUPPER AT AIR HANDLING PENTHOUSE TO BE REPLACED - REUSE OR REPLACE FLASHING PIECES

TYP SCUPPER AT ATRIUM TO BE REPLACED

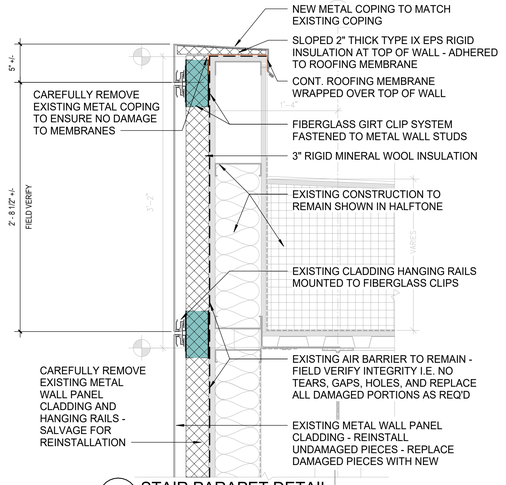
TYP SCUPPER - VIEW FROM ROOF SIDE



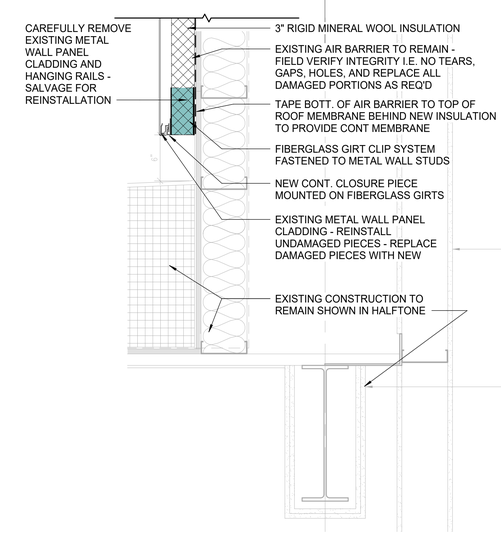
C4 EXT DOOR HEAD
6" = 1'-0"



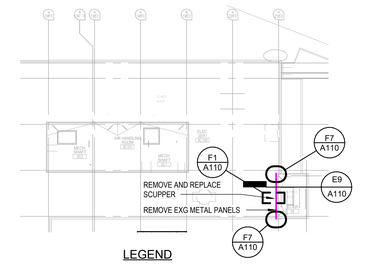
E4 EXT DOOR JAMB
6" = 1'-0"



B7 STAIR PARAPET DETAIL
1 1/2" = 1'-0"



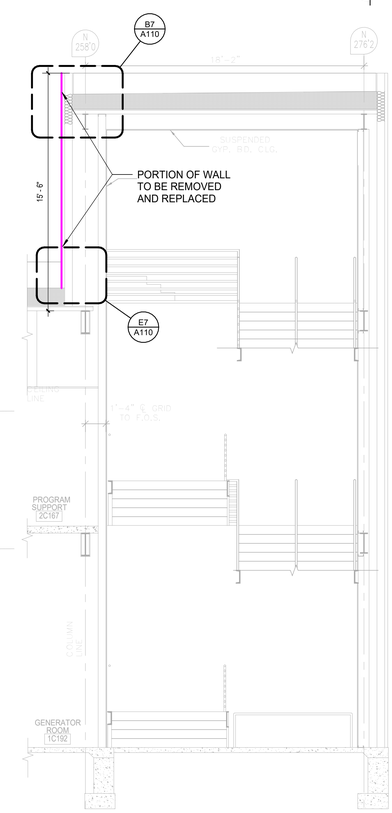
E7 STAIR WALL TO ROOF DETAIL
1 1/2" = 1'-0"



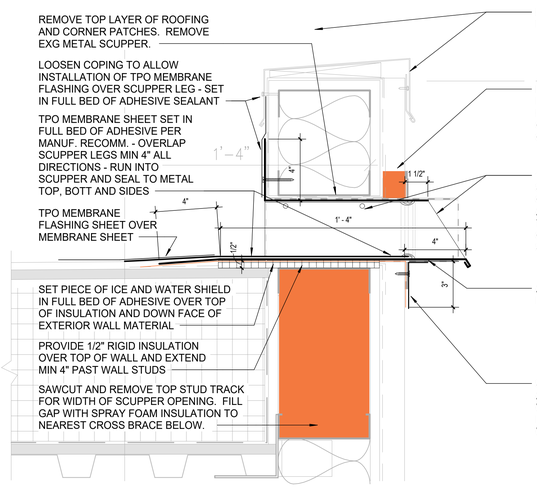
LEGEND

REMOVE EXISTING METAL PANELS (MP) AND RELATED FRAMING ENTIRE LENGTH OF WALL

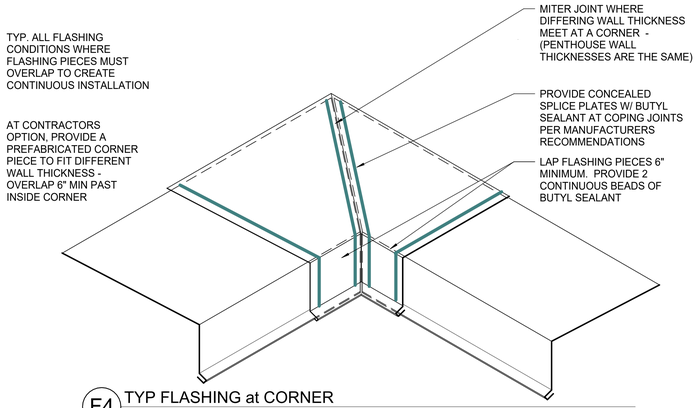
B9 STAIR 4 PENTHOUSE
1" = 40'-0"



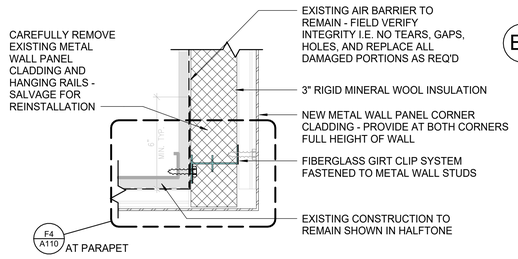
E9 STAIR 4 SECTION
1/4" = 1'-0"



F1 TYP. SCUPPER REPLACEMENT DETAIL
3" = 1'-0"



F4 TYP FLASHING at CORNER
1 1/2" = 1'-0"



F7 OUTSIDE CORNER
3" = 1'-0"

Revisions:	Date:

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Blue Trident, LLC Engineering and Construction Services

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STATE OF ALASKA 49th LAURA M STRAUSS No. A-11193 REGISTERED PROFESSIONAL ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
STAIR 04 PANEL REPLACEMENT	IFC	REPAIR BUILDING 100 MOISTURE BARRIER	463-21-101
			Building Number
Approved:	Location: ANCHORAGE, ALASKA	SPRINKLERED	Drawing Number
		Issue Date: FEBRUARY 14, 2024 / Checked: lms / Drawn: LMS	A110

VA FORM 08 - 6231

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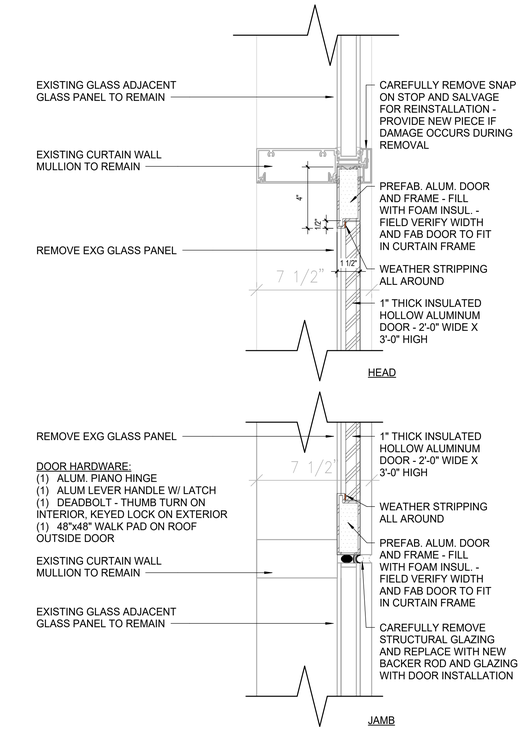
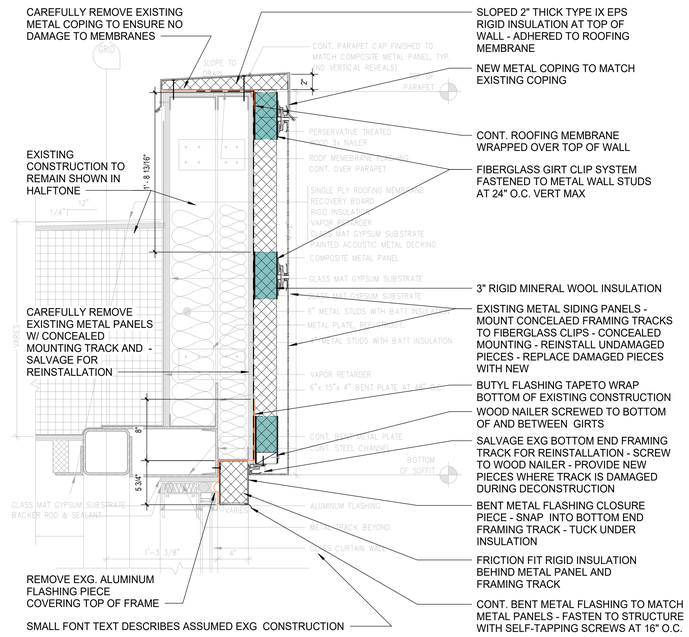
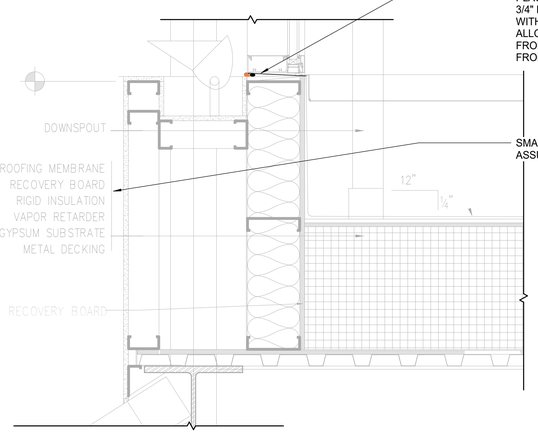


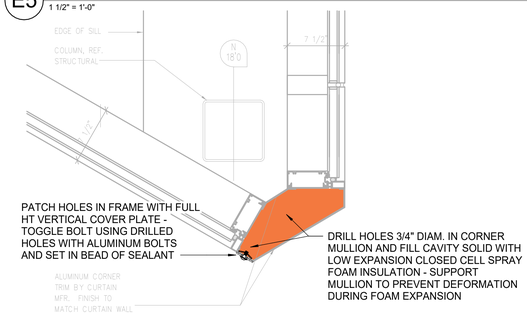
E2 ATRIUM ACCESS DOOR
3" = 1'-0"



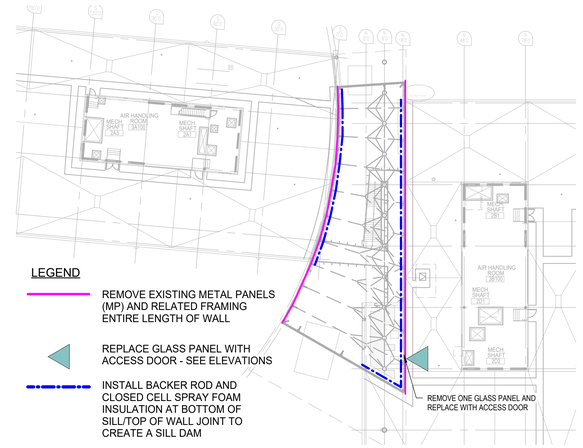
C5 ATRIUM CURTAIN WALL PARAPET
1 1/2" = 1'-0"



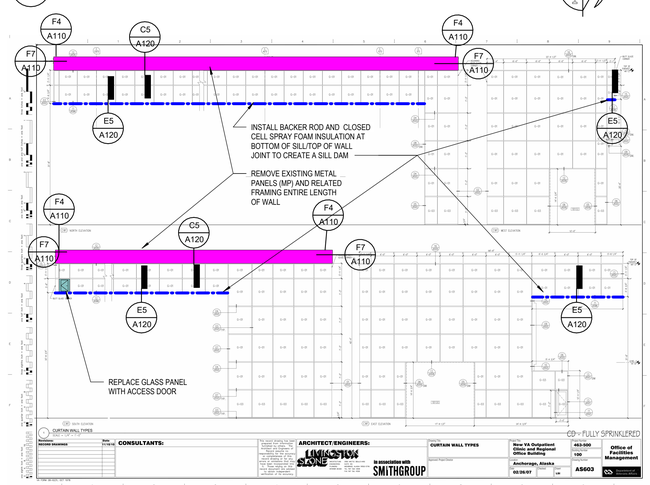
E5 ATRIUM CURTAIN WALL SILL
1 1/2" = 1'-0"



F5 ATRIUM CORNER - TYPICAL (4) CORNERS
1 1/2" = 1'-0"



B8 ATRIUM CURTAIN WALL AND PARAPET
1" = 30'-0"



D8 ATRIUM ELEVATIONS
3/8" = 1'-0"

Revisions:	Date:

CONSULTANT

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Blue Trident, LLC
Engineering and Construction Services

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STATE OF ALASKA 49th LAURA M STRAUSS No. A-11193 ARCHITECT PROFESSIONAL ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ATRIUM CURTAIN WALL AND PARAPET	Phase: IFC	Project Title: REPAIR BUILDING 100 MOISTURE BARRIER	Project Number: 463-21-101
Approved:	Location: ANCHORAGE, ALASKA	SPRINKLERED	Building Number:
		Issue Date: FEBRUARY 14, 2024 / Checked: ls / Drawn: LMS	Drawing Number: A120

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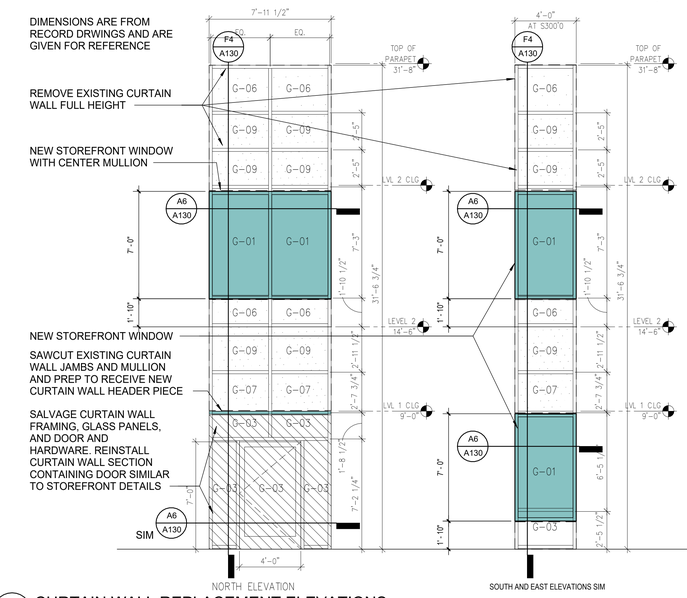
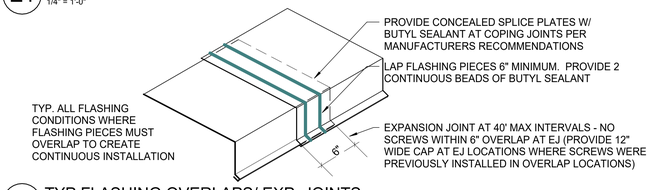
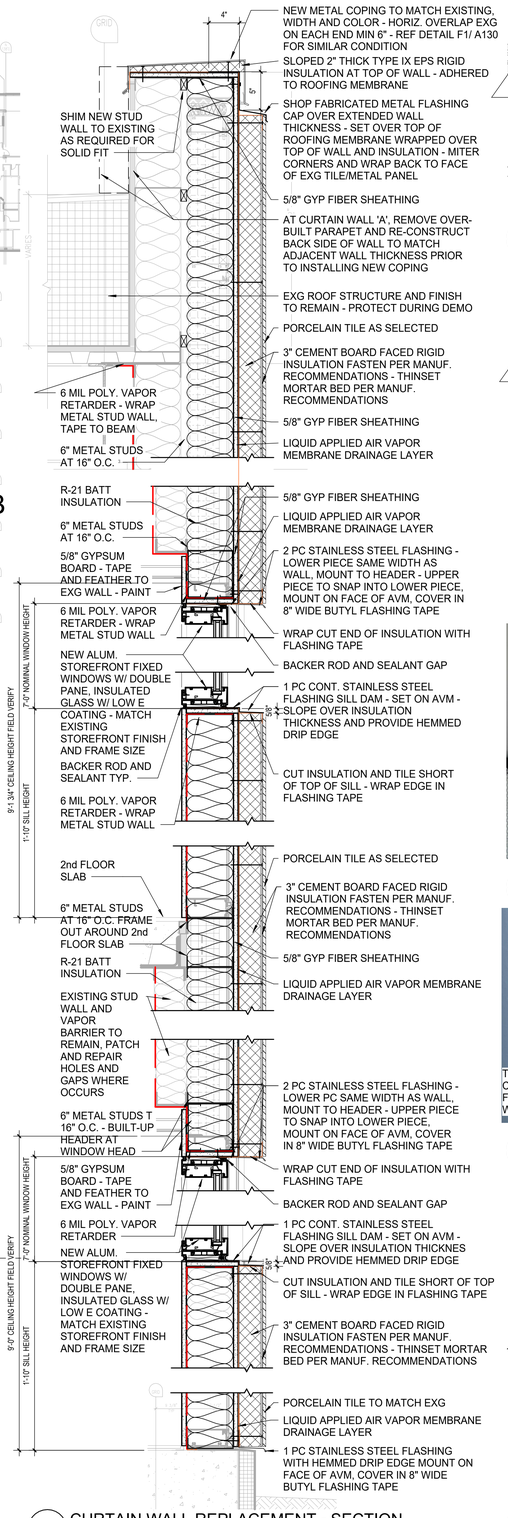
C1 CURTAIN WALL REPLACEMENT
1" = 40'-0"



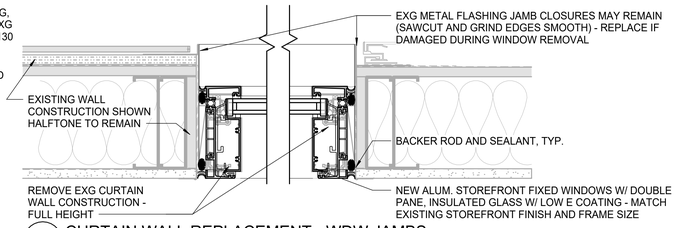
E1 CURTAIN WALL REPLACEMENT ELEVATIONS
1/4" = 1'-0"



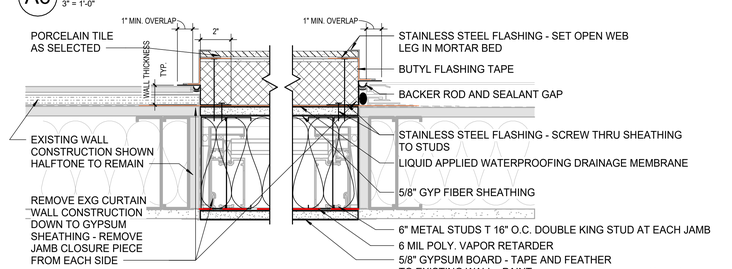
F1 TYP FLASHING OVERLAPS/ EXP. JOINTS
1" = 1'-0"



F4 CURTAIN WALL REPLACEMENT - SECTION
1 1/2" = 1'-0"



A6 CURTAIN WALL REPLACEMENT - WDW JAMBS
3" = 1'-0"



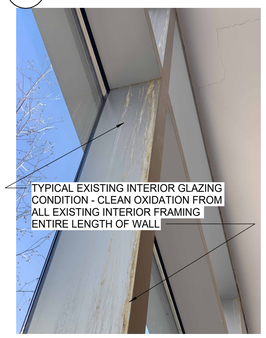
C6 CURTAIN WALL REPLACEMENT - WALL INFILL
3" = 1'-0"

EXAMPLE OF EXISTING INTERIOR DEFORMED MULLION CONDITION - REPLACE WITH NEW FRAMING PIECE - APPROXIMATELY 2-4 TOTAL, FIELD VERIFY

D6 MULLION REPLACEMENT
1/4" = 1'-0"

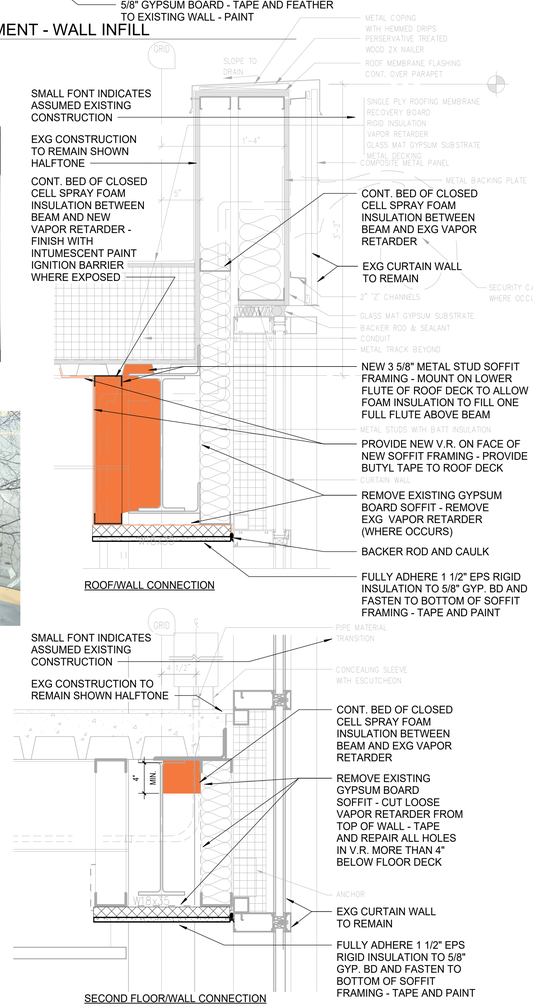
TYPICAL EXISTING EXTERIOR GLAZING CONDITION - REMOVE ALL GLAZING FROM EXTERIOR OF THS CURTAIN WALL AND REPLACE WITH NEW

E6 GLAZING REPLACEMENT
1/4" = 1'-0"

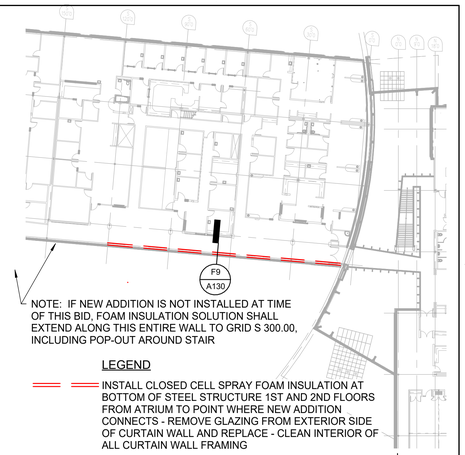


TYPICAL EXISTING INTERIOR GLAZING CONDITION - CLEAN OXIDATION FROM ALL EXISTING INTERIOR FRAMING ENTIRE LENGTH OF WALL

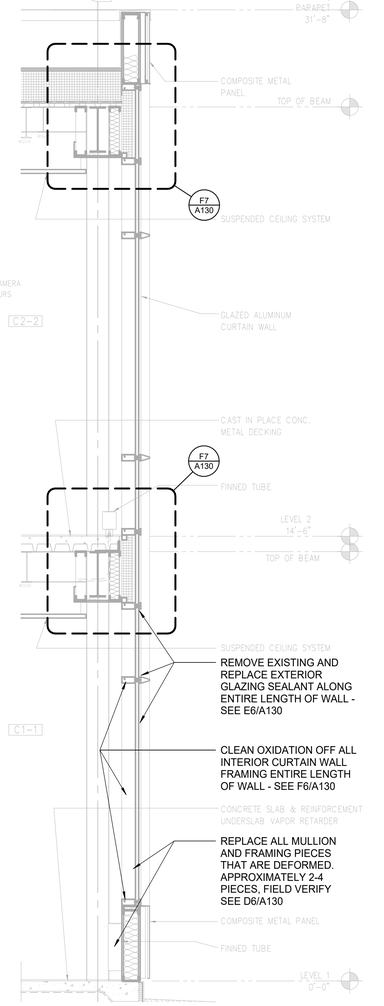
F6 FRAME CLEANING
1/4" = 1'-0"



F7 PARAPET DETAIL AT GLAZED CURTAIN WALL
1 1/2" = 1'-0"



B9 GLAZED CURTAIN WALL
1" = 30'-0"



F9 SECTION AT GLAZED CURTAIN WALL
1/2" = 1'-0"

Revisions:	Date:

CONSULTANT

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Blue Trident, LLC — Engineering and Construction Services

STAMP: STATE OF ALASKA 49th LAURA M STRAUSS No. A-11193 REGISTERED PROFESSIONAL ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: GLAZED CURTAIN WALL	Phase: IFC	Project Title: REPAIR BUILDING 100 MOISTURE BARRIER	Project Number: 463-21-101
			Building Number:
Approved:	Location: ANCHORAGE, ALASKA	SPRINKLERED	Drawing Number: A130
		Issue Date: FEBRUARY 14, 2024 · Checked: ls · Drawn: LMS	

VA FORM 08 - 6231

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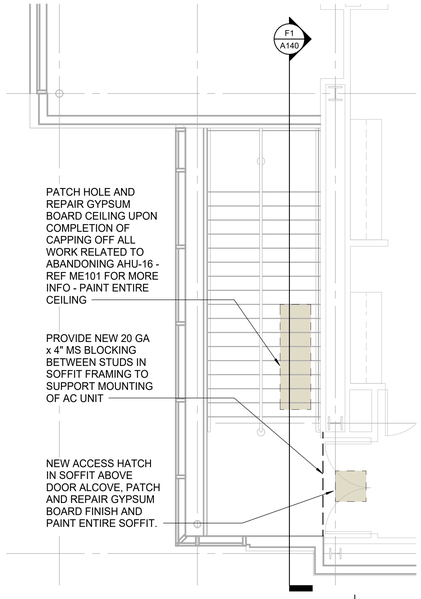
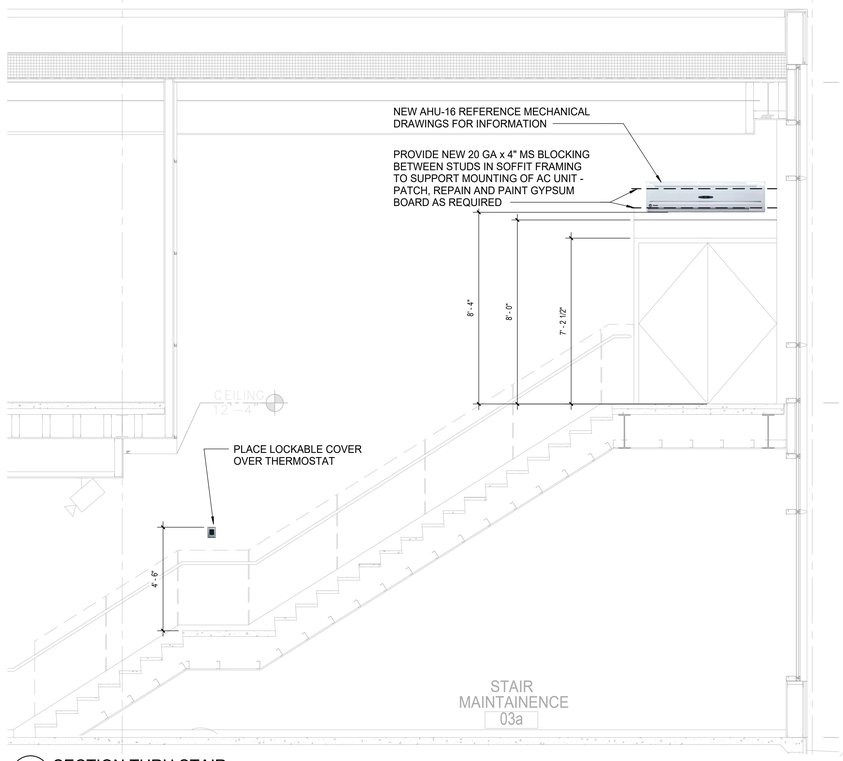
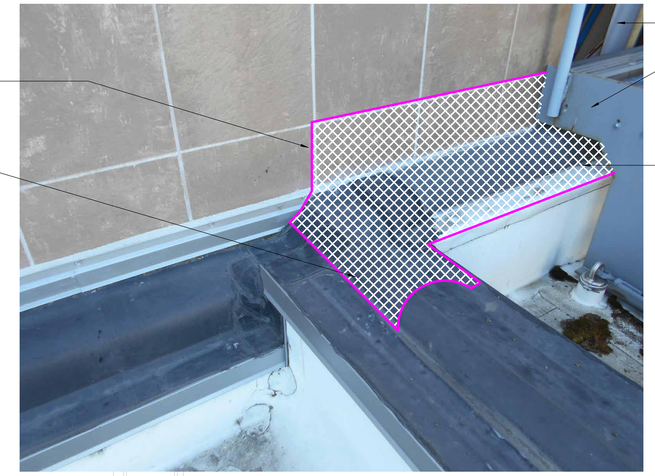
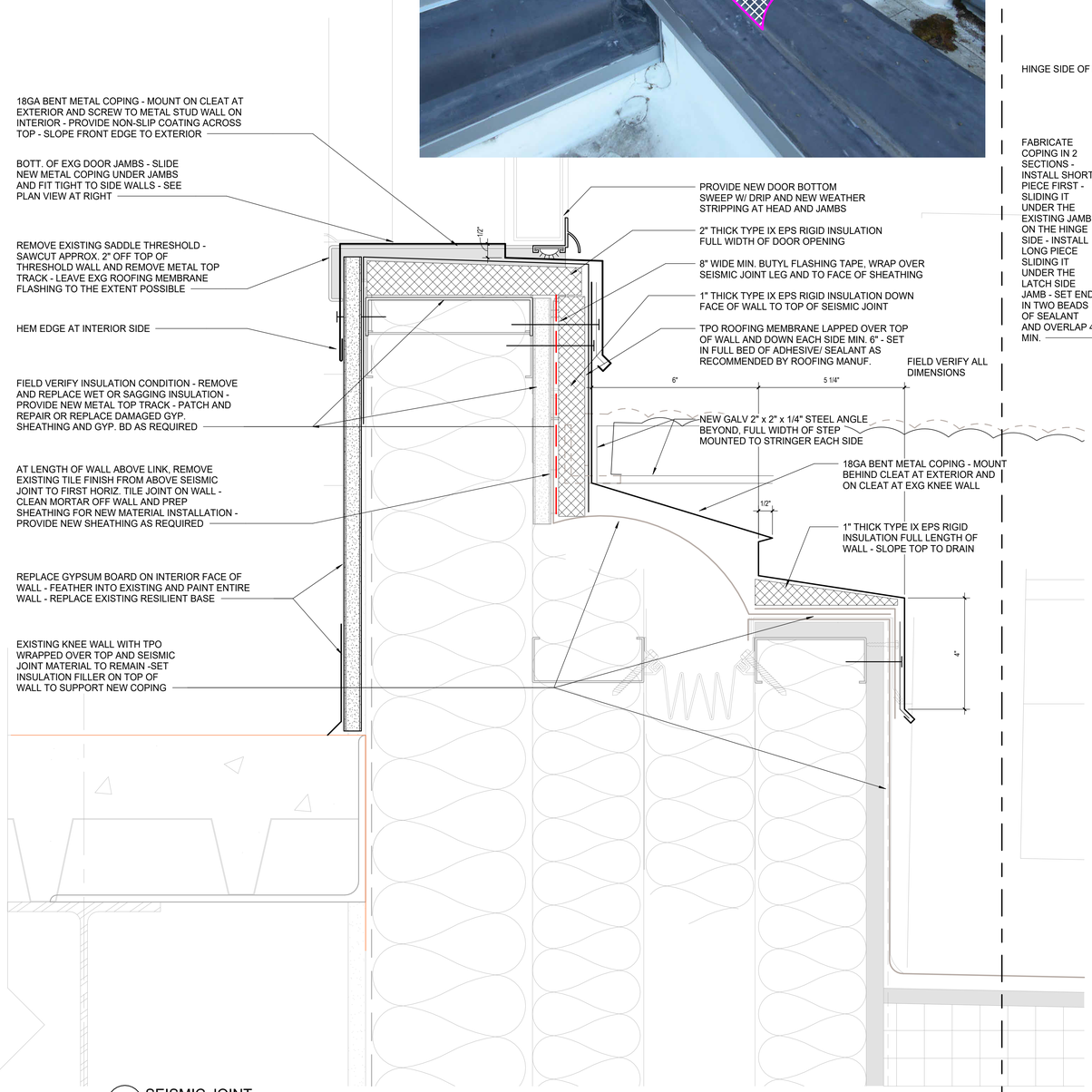


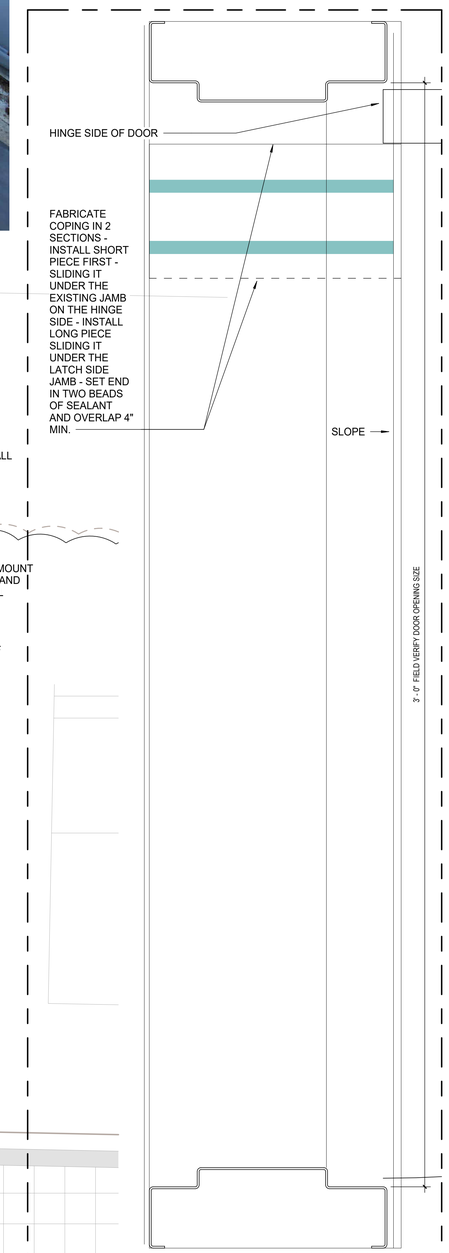
C3 STAIR 03 FLOOR PLAN
1/4" = 1'-0"



F1 SECTION THRU STAIR
3/8" = 1'-0"







PLAN VIEW AT NEW THRESHOLD COPING

F5 SEISMIC JOINT
6" = 1'-0"

Revisions:	Date:

CONSULTANT

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STATE OF ALASKA 49th LAURA M STRAUSS No. A-11193 REGISTERED PROFESSIONAL ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
SEISMIC JOINT AND STAIR HVAC DETAILS	IFC	REPAIR BUILDING 100 MOISTURE BARRIER	463-21-101
Approved:	Location: ANCHORAGE, ALASKA	SPRINKLERED	Building Number
		Issue Date: FEBRUARY 14, 2024 / Checked: Checker / Drawn: Author	Drawing Number: A140

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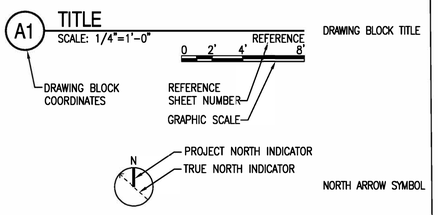
VA FORM 08-6231

MECHANICAL LEGEND

GENERAL

SYMBOL	ABBREVIATION	DESCRIPTION
		EXISTING WORK
		NEW WORK
1		SHEET KEYNOTE
M-1		MECHANICAL EQUIPMENT TAG
	POC	POINT OF CONNECTION
ø	DIA	DIAMETER OR ROUND
T		TEMPERATURE SENSOR



ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
AFF	ABOVE FINISHED FLOOR
DDC	DIRECT DIGITAL CONTROLS

VALVES & FITTINGS

SYMBOL	ABBREVIATION	DESCRIPTION
NC	ACV	AUTOMATIC CONTROL VA (2-WAY) NC-FAIL POSITION CLOSED, "NORMALLY CLOSED" NO-FAIL POSITION OPEN, "NORMALLY OPEN"
	GV	GATE VALVE
	BV	BALL VALVE
		CIRCUIT BALANCING VALVE
		UNION
		Y-TYPE STRAINER
		TEMP PRESSURE TEST PLUG
	MAV	MANUAL AIR VENT
		FLEXIBLE CONNECTOR

PIPING SYSTEMS

SYMBOL	ABBREVIATION	DESCRIPTION
GCS	GCS	GLYCOL CHILLED SUPPLY
GCR	GCR	GLYCOL CHILLED RETURN
CD	CD	CONDENSATE RETURN
GHS	GHS	GLYCOL HEATING SUPPLY
GHR	GHR	GLYCOL HEATING RETURN

CONTROLS:

T 1	TEMPERATURE SENSOR		HEATING COIL
SA	SUPPLY AIR	RA	RETURN AIR

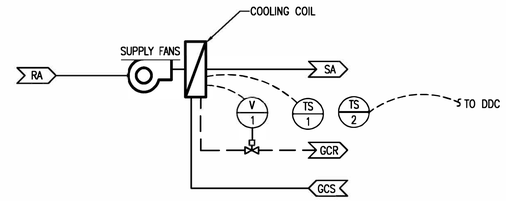
ELECTRICAL:

M	MOTOR RATED TOGGLE SWITCH
J	JUNCTION BOX

MECHANICAL DRAWING INDEX

DWG NO.	DRAWING TITLE
ME001	MECH & ELEC LEGEND, DWG LIST, SCHEDULES, & CONTROL
ME101	MECHANICAL & ELECTRICAL FLOOR PLANS & DETAILS

FILENAME: DWGLIST.XLS



SEQUENCE OF OPERATION

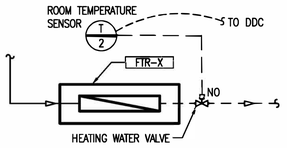
GENERAL: ACU-16A SHALL PROVIDE COOLING FOR STAIR 03. UNIT WILL BE 100% RETURN AIR, INCLUDING FILTER, CHILLED WATER COIL AND SUPPLY FANS. ACU-16A CONTROLLED BY PACKAGED UNIT CONTROLS. CONTROL VALVE IS TWO POSITION BALL VALVE PROVIDED BY FAN COIL MANUFACTURER.

ACU-16A OPERATES TO MAINTAIN A MAXIMUM SPACE TEMPERATURE OF 75°F. UPON CALL FOR COOLING ACU-16A COMMANDS CHILLED WATER COIL CONTROL VALVE OPEN AND FANS OPERATE TO SATISFY THE SPACE TEMPERATURE SETPOINT.

DDC THERMOSTAT ALARMS UPON RISE IN SPACE TEMPERATURE ABOVE 80°F.

FAN COIL CONTROL DIAGRAM

SCALE: NONE — ME101 (2)



SEQUENCE OF OPERATION

FIN TUBE RADIATOR (FTR-X) CONTROL VALVE MODULATES TO MAINTAIN ROOM TEMPERATURE SETPOINT, 69 DEG. F (ADJUSTABLE) DURING OCCUPIED HOURS AND 55 DEG. F (ADJUSTABLE) DURING UNOCCUPIED HOURS, PER BUILDING OCCUPANCY SCHEDULE.

FIN TUBE RADIATOR CONTROL DIAGRAM

SCALE: NONE — ME101 (1)

PROJECT NOTES:

1. ABANDON IN PLACE EXISTING MECHANICAL UNIT ACU-16 AND ASSOCIATED DUCTWORK AND GRILLES. DISCONNECT AND CAP PIPING TO UNIT, DRAIN WATER FROM COOLING COIL AND DRAIN PAN. REMOVE ELECTRICAL AND CONTROL WIRING. PROVIDE TAG ON UNIT NOTING 'ABANDONED IN PLACE'.
2. EXISTING BUILDING DDC CONTROLS ARE MANUFACTURED BY SIEMENS.
3. PROVIDE SHOP DRAWINGS OF MECHANICAL WORK PER 01 33 23 SHOP DRAWINGS, PRODUCT DATA AND SAMPLES. SUBMIT SHOP DRAWINGS TO VA RESIDENT ENGINEER FOR REVIEW AND APPROVAL.
4. SUBMIT FAN COIL UNIT, CHILLED WATER AND CONDENSATE DRAIN PIPING, INSULATION, VALVES AND APPURTANCES TO VA RESIDENT ENGINEER FOR REVIEW AND APPROVAL.
5. N/A
6. PROVIDE TAB FOR AC-16. VALIDATE CHILLED WATER DESIGN FLOW RATE, MEASURE AIRFLOW AND ADJUST FAN SPEED AS REQUIRED. TAKE AMPS AND VOLT READINGS AND CHECK FAN ROTATION. SUBMIT TEST REPORT PER NEBB STANDARDS.
7. PROVIDE SUBMITTAL AND O&M INFORMATION IN PDF FORMAT. PROVIDE SYSTEM DEMONSTRATION AND 2 HOURS OF TRAINING ON SYSTEM INCLUDING HANDS ON TRAINING AND USE OF TEMPERATURE SENSORS AND UNIT ALARMS.

CONTROL POINTS SCHEDULE

DESCRIPTION	ACRONYM	AI	DI	AO	DO	ALARM	PRIORITY	NOTES
FIN TUBE CONTROL								
HEATING WATER VALVE	FT-X_HV-1			X		YES	MEDIUM	
SPACE TEMPERATURE	FT-X_TS-2	X				YES	MEDIUM	
NOTES:								

COOLING ONLY TWO PIPE FAN COIL UNIT SCHEDULE

MARK	LOCATION	TYPE	FAN AIR FLOW		EXTERNAL APD		COOLING REQUIREMENTS: MIN SENS CAPACITY		MIN TOTAL CAPACITY		EAT Db		EAT Wb		CIRCULATING WATER [1]: FLOW		EWT		WPD		RUNOUT SIZE		FILTER	FAN MOTOR: POWER		PHASE	VOLT	RPM	SPEED CONTROL	REMARKS
			CFM	[L/s]	IN WG	[Pa]	BTUH	[W]	BTUH	[W]	°F	[°C]	°F	[°C]	GPM	[L/s]	°F	[°C]	FT	[kPa]	IN	[mm]		HP	[W]						
ACU-16A	STAIR 03	WALL MOUNTED	850	[400]	N/A	N/A	18400	[5400]	21200	[6200]	75	[24]	69	[21]	8	0.5	46	[8]	18	[54]	3/4	[19]	[3]	0.1	[75]	1	115	1750	[2]	[4][5]
				[ ]		[ ]		[ ]		[ ]						0				[ ]		[ ]			[ ]						

NOTES
[1] CHILLED WATER IS 50% ETHYLENE GLYCOL. UNIT SELECTED FOR 10 °F TEMPERATURE RISE, WITH LEAVING WATER TEMPERATURE OF 56 °F.
[2] THREE SPEED MOTOR WITH MANUAL SPEED CONTROL.
[3] TWO 18"X8" WASHABLE FILTERS
[4] MANUFACTURER PROVIDED CONDENSATE PUMP, 120V, 1PH PLUG CONNECTON. MOUNT ON WALL NEXT TO FAN COIL UNIT.
[5] WALL MOUNTED UNIT WITH TOP RETURN AND FRONT DISCHARGE GRILLES. BASIS OF DESIGN IS MULTI-AQUA MWQWW-36-H-3 OR EQUAL. WEIGHT 51 LBS.

Revisions:	Date:

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Project #: 2021-0145

ARCHITECT/ENGINEER OF RECORD

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Blue Trident, LLC
Engineering and Construction Services

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	MECH & ELEC LEGEND, DWG LIST, SCHEDULES, & CONTROLS
Phase	100% SUBMITTAL
Project Title	REPAIR BUILDING 100 MOISTURE BARRIER
Project Number	463-21-101
Building Number	
Approved:	
Location	ANCHORAGE, ALASKA
Issue Date	FEBRUARY 14, 2024
Checked	LB
Drawn	RR
Drawing Number	ME001

VA FORM 08-6231

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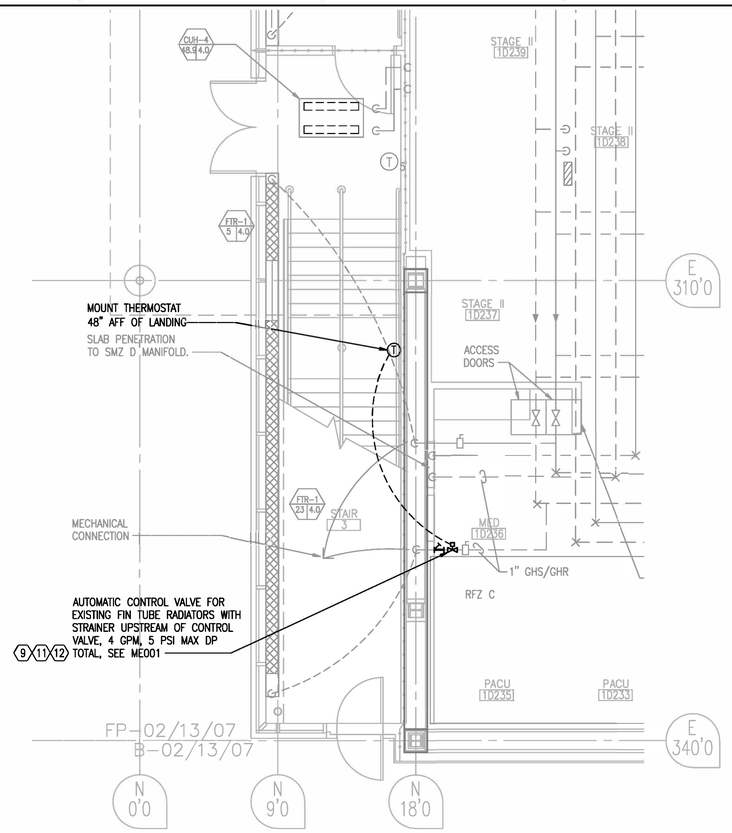
GENERAL NOTES:

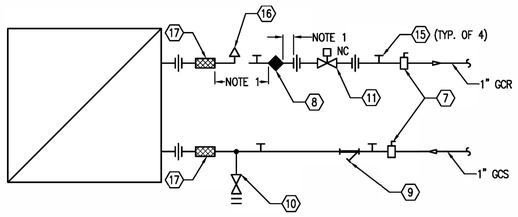
1. ELECTRICAL INSTALLATION SHALL COMPLY WITH ALL REQUIREMENTS OF 2020 NATIONAL ELECTRICAL CODE, VA FACILITY STANDARDS, AND ALL OTHER APPLICABLE FEDERAL AND STATE CODES.
2. ALL ELECTRICAL MATERIALS SHALL BE NEW AND SHALL BEAR THE UNDERWRITER'S LABEL (UL) AND SHALL BE INSTALLED IN THE MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.
3. MECHANICAL INSTALLATION SHALL COMPLY WITH ALL REQUIREMENTS OF 2018 INTERNATIONAL MECHANICAL CODE, VA FACILITY STANDARDS, AND ALL OTHER APPLICABLE FEDERAL AND STATE CODES.
4. PATCH AND REPAIR CEILING AFTER COMPLETION OF DEMOLITION AND NEW WORK.

SHEET KEYNOTES:

1. MOUNT ACU-16A ON WALL OF SOFFIT ABOVE DOORS. BOTTOM OF UNIT 96" AFF.
2. PROVIDE 120V, 1P MOTOR RATED TOGGLE SWITCH WITHIN LINE OF SIGHT TO SERVE ACU-16A.
3. MOUNT ACU-16A THERMOSTAT ON WALL OF LANDING, 48" AFF, NEXT TO FIN TUBE THERMOSTAT.
4. INTERCEPT EXISTING CIRCUIT SERVING EXISTING 'ACU-16' WITH A JUNCTION BOX AND EXTEND WITH 3/4" EMT CONDUIT – 2#12 AWG + 1#12 AWG GND COPPER THWN-2 WIRES TO SERVE ACU-16A AND CONDENSATE PUMP. UPDATE PANEL DIRECTORY IN PANEL 'CLA-07' TO INDICATE 'ACU-16A'.
5. CHILLED WATER AND CONDENSATE DRAIN PIPING TO BE ASTM B88M TYPE L HARD DRAWN COPPER TUBING WITH SOLDER JOINTS AND ASME B16.22 SOLDER WROUGHT COPPER FITTINGS. INSULATION IS FLEXIBLE ELASTOMERIC INSULATION WITH VAPOR BARRIER, 1.5 INCHES THICK FOR CHILLED WATER, 1 INCH THICK FOR CONDENSATE WATER.
6. PRESSURE TEST CHILLED WATER PIPING TO 120 PSIG FOR 1 HOUR WITH NO PERCEPTIBLE DROP IN PRESSURE. FLUSH PIPING WITH WATER THEN FILL WITH GLYCOL CHILLED WATER.
7. ISOLATION VALVES TO BE BALL VALVES, MSS SP-110 WITH SOLDER CONNECTIONS, BRASS OR BRONZE BODY WITH FULL PORT CHROME PLATED BALL AND TEFLON SEAT. WORKING PRESSURE 300 PSIG.
8. BALANCING VALVE WITH SOLDER CONNECTIONS, BRONZE BODY, 250 PSIG WORKING PRESSURE, MIN. 4 TURN FLOW ADJUSTMENT HANDLE WITH MEMORY STOP, 2 PRESSURE PORTS WITH INTERCHANGEABLE DRAIN PLUGS, DRIP TIGHT SHUT OFF CAPACITY.
9. Y TYPE STRAINER WITH 18-8 STAINLESS STEEL SCREEN, FREE AREA NOT LESS THAN 2-1/2 TIMES PIPE AREA, WITH 0.045 INCH DIAMETER PERFORATIONS.
10. HOSE END DRAIN VALVE, PROVIDE BALL VALVE WITH HOSE END, 3/4 INCH OUTLET, PROVIDE WITH BRASS CAP AND WASHER ON CHAIN.
11. CONTROL VALVE TO BE BRONZE BODY WITH BRASS OR BRONZE SEATS, TWO-WAY, BALL-TYPE MODULATING CONTROL VALVE, 8 GPM, MAX PRESSURE DROP 5 PSI.
12. WORK ABOVE PACU TO BE PERFORMED OUTSIDE NORMAL WORKING HOURS, AND WILL BE PERFORMED IN A MANNER THAT DOES NOT IMPACT OCCUPANTS OF PACU OR ADJACENT AREA (I.E. TENTING WORK AREA) AND COORDINATED WITH VA RESIDENT ENGINEER.
13. MAKE GCS AND GCR PIPING CONNECTIONS ON ACU-16 SIDE OF EXISTING ISOLATION VALVES. PROVIDE ISOLATION VALVES BETWEEN PIPING CONNECTIONS AND EXISTING ACU-16. REMOVE EXISTING APPURTENANCES AS NECESSARY FOR ISOLATION VALVES AND PIPING CAPS.
14. PROVIDE ACCESS HATCH IN SOFFIT CEILING, MINIMUM 24X18. ACCESS HATCH TO BE PRIME-PAINTED STEEL FLUSH ACCESS DOOR WITH GYPSUM BOARD BEAD FLANGE AND KEY OPERATED LOCK, FLUSH TO FINISHED SURFACE.
15. TEMPERATURE/PRESSURE TEST PLUG TO BE PETERSON EQUIPMENT CO. PETES PLUG OR SYSCO P/T PLUGS.
16. MANUAL AIR VENT, PROVIDE 1/2" LINE OFF THE TOP OF PIPE WITH BALL VALVE AND PIPE DISCHARGE DOWN TO AN ADJACENT BUCKET ACCESS FINISHED WITH FEMALE ADAPTER AND MPT PLUG.
17. HOSE KITS: MINIMUM 400-PSIG WORKING PRESSURE, OPERATING TEMPERATURES FROM 33 TO 211 DEGREES F. 24 INCHES MIN LENGTH, 1" DIAMETER.

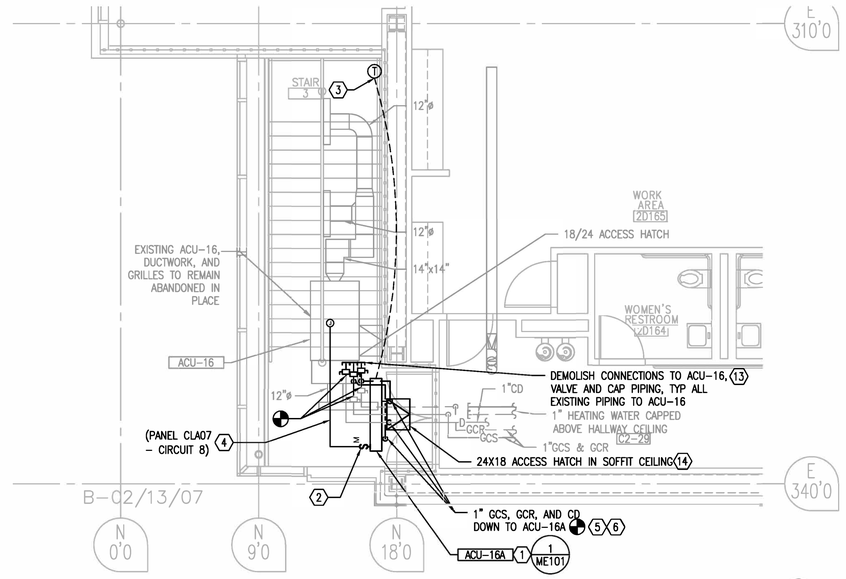


D8 1D EAST - HEATING PLAN
SCALE: 1/4"=1'-0"



NOTES:
1. MAINTAIN MANUFACTURER'S RECOMMENDED STRAIGHT PIPE DIAMETER UPSTREAM AND DOWNSTREAM OF VALVE.

COOLING COIL PIPING DETAIL 1 15700-4R
SCALE: NONE ME101



F8 2D EAST - VENTILATION PLAN
SCALE: 1/4"=1'-0"

Revisions:	Date:

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Project #: 2021-0145

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
MECHANICAL & ELECTRICAL FLOOR PLANS & DETAILS	100% SUBMITTAL	REPAIR BUILDING 100 MOISTURE BARRIER	463-21-101
			Building Number
Approved:	Location: ANCHORAGE, ALASKA		Drawing Number
		Issue Date: FEBRUARY 14, 2024 / Checked: LB / Drawn: RR	ME101

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