FORT LEAVENWORTH
DIRECTORATE OF PUBLIC WORKS

BUILDING 246 ELEVATOR MODERNIZATION
610 KEARNY AVE

DRAWING SUBMITTAL : 100% FOR CONSTRUCTION
DATE: 9/2/2026

Sheet List

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH UFC 3-490-06 DESIGN : ELEVATORS, ANSI A17.1, NFPA 13, IBC 30, and NFPA 72

2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS. ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND DRAWINGS SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION.

3. CONTRACTOR SHALL USE EXTREME CARE AND TAKE PRECAUTION DURING CONSTRUCTION SO AS NOT TO DAMAGE EXISTING ADJACENT FACILITIES. ANY DAMAGE DONE TO EXISTING FACILITIES DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE WITHOUT ADDITIONAL COST TO THE OWNER.

4. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS AND SEQUENCES OF CONSTRUCTION AND THE SAFETY OF CONSTRUCTION PERSONNEL AND AUTHORIZED VISITORS.

5. WHERE ANY MATERIAL OF CONSTRUCTION MAY BE INDICATED, NOTED, NAMED, DESCRIBED, OR REFERENCED (HOWEVER BRIEFLY) IN THE PROJECT DOCUMENTS BUT MAY NOT BE FULLY DETAILED OR FULLY SPECIFIED, SUCH MATERIAL SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH CURRENT (1) REFERENCED BUILDING CODES, ORDINANCES, AND REGULATIONS, (2) MATERIAL MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS, (3) GENERALLY ACCEPTED GOOD CONSTRUCTION PRACTICE STANDARDS, WITH PRECEDENCE IN THAT ORDER, AND SUCH MATERIAL SHALL BE FURNISHED AND INSTALLED COMPLETE WITH HARDWARE, ACCESSORIES, ATTACHMENTS, CONTROLS AND OTHER DEVICES REQUIRED FOR THE PROPER INSTALLATION TO PROVIDE A COMPLETED OPERATIONAL SYSTEM WITH THE QUALITY WORKMANSHIP NOT LESS THAN INDUSTRY ACCEPTED STANDARDS OF THAT TRADE.

6. MAKE ALLOWANCES FOR AMPLE EXPANSION AND CONTRACTION FOR ELECTRICAL, STRUCTURAL AND OTHER BUILDING COMPONENTS SUBJECT TO SUCH MOVEMENT. INSTALL SLEEVES, RECESSES, AND OPENINGS IN THE WORK TO RECEIVE THE MATERIALS INSTALLED BY OTHER TRADES. COORDINATE WORK THROUGH THE USE OF SHOP DRAWINGS PREPARED BY EACH TRADE, APPROVED BY THE OWNER.

7. PRIOR TO THE INSTALLATION OF THEIR WORK, EACH CONTRACTOR SHALL INSPECT THE SUBSTRATE AND OTHER PREVAILING CONDITIONS AND REPORT IN WRITING ALL UNSATISFACTORY CONDITIONS. FURTHER, THEY SHALL MAKE CERTAIN SUCH CONDITIONS HAVE BEEN ADDRESSED BEFORE PROCEEDING WITH INSTALLATIONS.

8. ERECT, INSTALL AND SECURE BUILDING COMPONENTS IN A STRUCTURALLY SOUND AND APPROPRIATE MANNER. WHERE NECESSARY, TEMPORARILY BRACE, SHORE, OR OTHERWISE SUPPORT MEMBERS UNTIL FINAL CONNECTION OR INSTALL OR BRACE WALLS AND OTHER STRUCTURAL ELEMENTS TO PREVENT DAMAGE BY CONSTRUCTION OPERATIONS. LEAVE TEMPORARY BRACING, SHORING OR OTHER SUPPORTS IN PLACE AS LONG AS NECESSARY FOR SAFETY AND UNTIL STRUCTURE IS STRONG ENOUGH TO WITHSTAND LOADS INVOLVED.

9. PROVIDE BARRICADES AROUND ANY UNSAFE CONDITIONS OR EXCAVATIONS TO PROTECT PERSONS AND PROPERTY. WORK TO BE ACCOMPLISHED IN A SAFE AND PROPER MANNER IN ACCORDANCE WITH THE PROVISIONS CONTAINED IN THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION MANUAL. LIABILITY FOR INJURIES IS THE CONTRACTORS RESPONSIBILITY AND INSURANCE FOR SUCH IS REQUIRED AND SHALL BE SUBMITTED TO THE OWNER AS PROOF.

10. PROTECT WORK IN PROGRESS WITH COVERINGS OR OTHER PROTECTIONS FROM MOISTURE, DIRT OR DAMAGE. KEEP COVERED MATERIAL STORED OR INSTALLED SUBJECT TO SUCH, DURING INSTALLATION OF SUBSEQUENT WORK.

11. ELEVATOR AUXILIARY POWER OPERATION : HYDRAULIC ELEVATOR MUST LOWER TO THE FEO DESIGNATED LANDING, OPEN AND CLOSE THE DOORS, AND BE REMOVED FROM SERVICE. IF ELEVATOR IS BELOW THE FEO DESIGNATED LANDING WHEN NORMAL POWER FAILS, ELEVATOR MUST OPEN AND CLOSE THE DOORS AT FIRST AVAILABLE LANDING AND BE REMOVED FROM SERVICE.

FORT LEAVENWORTH DPW

MARK	DESCRIPTION	DATE

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Designer | Issue Sheet Name: TitleBlock
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Author | 3000002418111
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DIRECTORATE OF PUBLIC WORKS
ENGINEERING DIVISION
DESIGN BRANCH

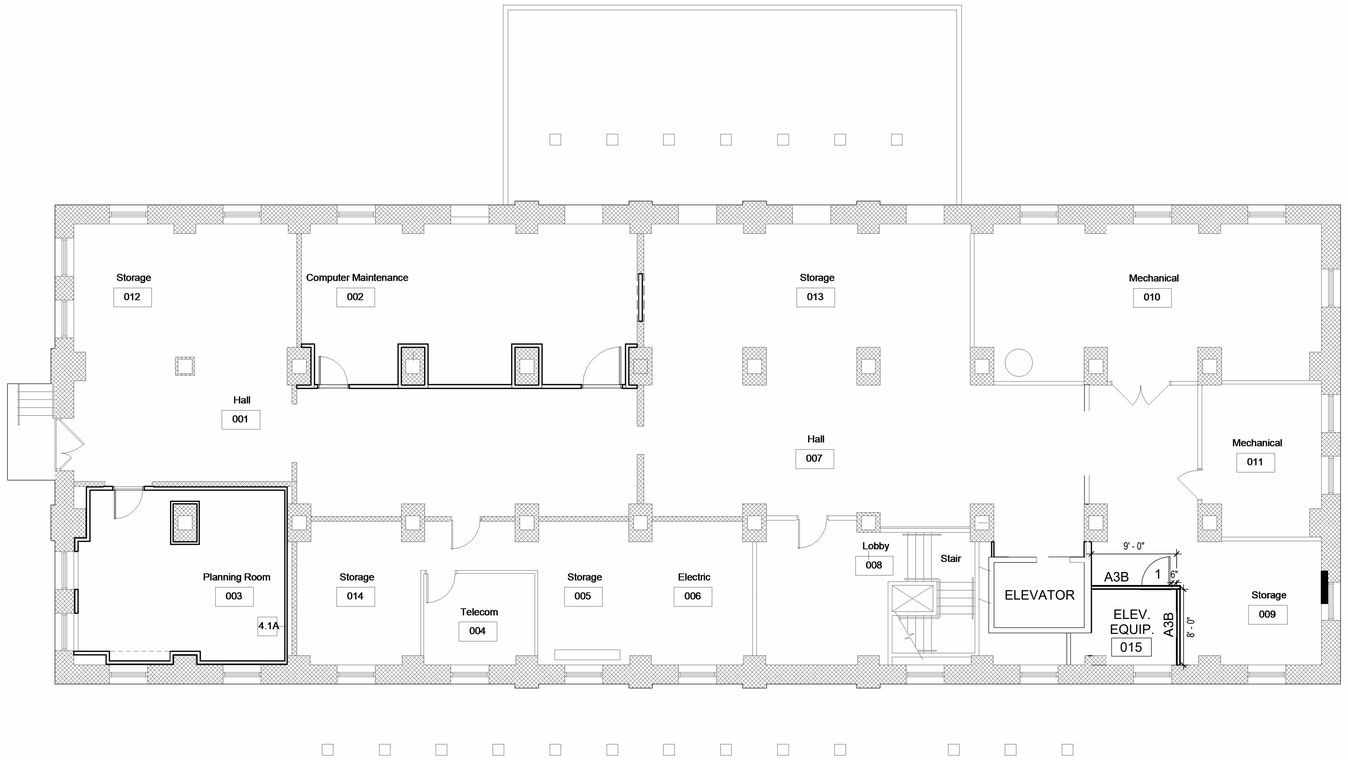
820 McCLELLAN AVE.
FORT LEAVENWORTH, KS
66027-1292

B246 Elevator Modernization

Cover Sheet

SHEET ID

A-001

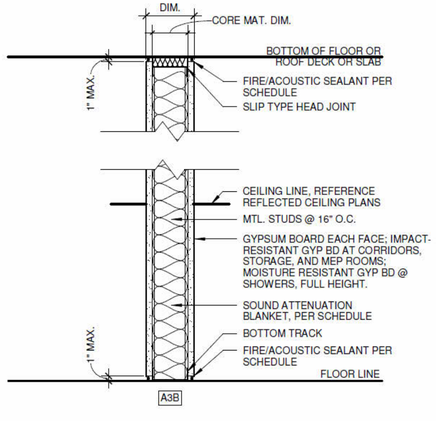


B1 Basement Floor Plan
A-100 1/8" = 1'-0"

General Notes:

1. The contractor shall demolish the existing electric traction elevator within building 246. The contractor shall install a new hydraulic in-ground passenger elevator with a 4,500 lb capacity. The elevator shall have 24' 3" of travel to 3 floors with front openings. The existing elevator shall fit within the existing hoistway. The contractor shall modify the hoistway and pit as necessary for the new elevator. To include but not limited to boring a hole beneath the elevator pit the depth of the elevator travel and installing a PVC casing to encase the new jack. The new cart interior shall be a minimum of 5'4" deep x 7'9" wide. The existing hoistway interior dimensions are 6'11" deep x 9' 6" wide.

2. The contractor shall build a new 72 S.F. (per the UFC) elevator equipment room directly adjacent to the elevator. Refer to detail A1 below for wall type. New walls shall be painted to match the existing walls in the basement.



Wall Type A3B - (3-5/8" Metal Stud with 5/8" Gypsum Board On Each Face, 1 HR Rating)

A1 Wall Type
A-100

Room Finish Schedule

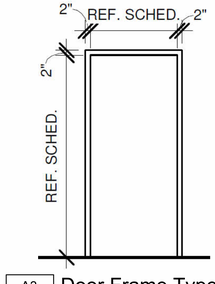
Room Number	Room Name	Floor Finish	Base Finish	Walls				Ceiling Finish	Ceiling Height	Comments
				North	East	South	West			
15	Elevator Equipment Room	Existing	B-1	P-1	Existing	Existing	P-1	Existing	Existing	1

1) B-1 - Johnsonite, Traditional Wall Base, 4" Resilient Base with Standard Toe, Match Existing Base Color

P-1 - Sherwin Williams, White, Match Existing Color

Door Schedule

Room Number	Door Number	Door Type	Door						Frame		
			Size			Material	Finish	Fire Rating	Type	Material	Finish
			Width	Height	Thickness						
15	1	HM	3'0"	7'0"	1-3/4"	Metal	P-1	60 Min.	1	HM	P-1



A3 Door Frame Type #1
A-100

1) Door Hardware
   a) 3 Ea. Hinges
      1 Ea. Lock Set - "Storeroom Function" to be compatible with Best 7 Pin M-Keyway
      3 Ea. Silencers
      1 Ea. Wall Stop
2) New door hardware to be brushed aluminum. Lever handles to be curved, not bent style.
3) Door to be keyed per building standard. Verify with the COR prior to order.
4) Door to function as exits without special knowledge, keys, etc. required.

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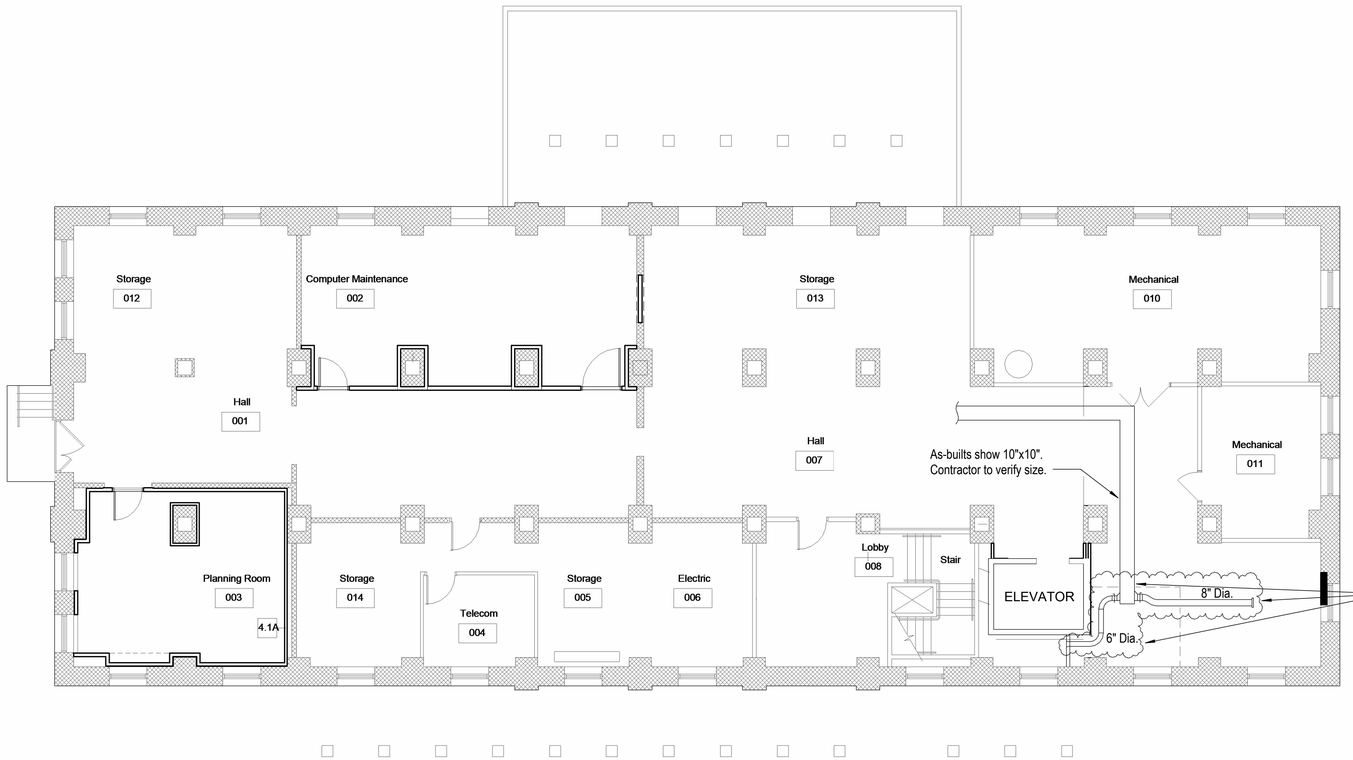
B246 Elevator Modernization

Basement Floor Plan

SHEET ID
A-100



Demolish the existing ductwork to the outside of the new machine room footprint (dashed line). Reinstall 6" round ductwork through the machine room and into the chase. (Re-use the existing diffuser). Route the 8" ductwork outside of the machine room and near the existing diffuser location.

1 Basement HVAC Demo

MD-100 1/8" = 1'-0"

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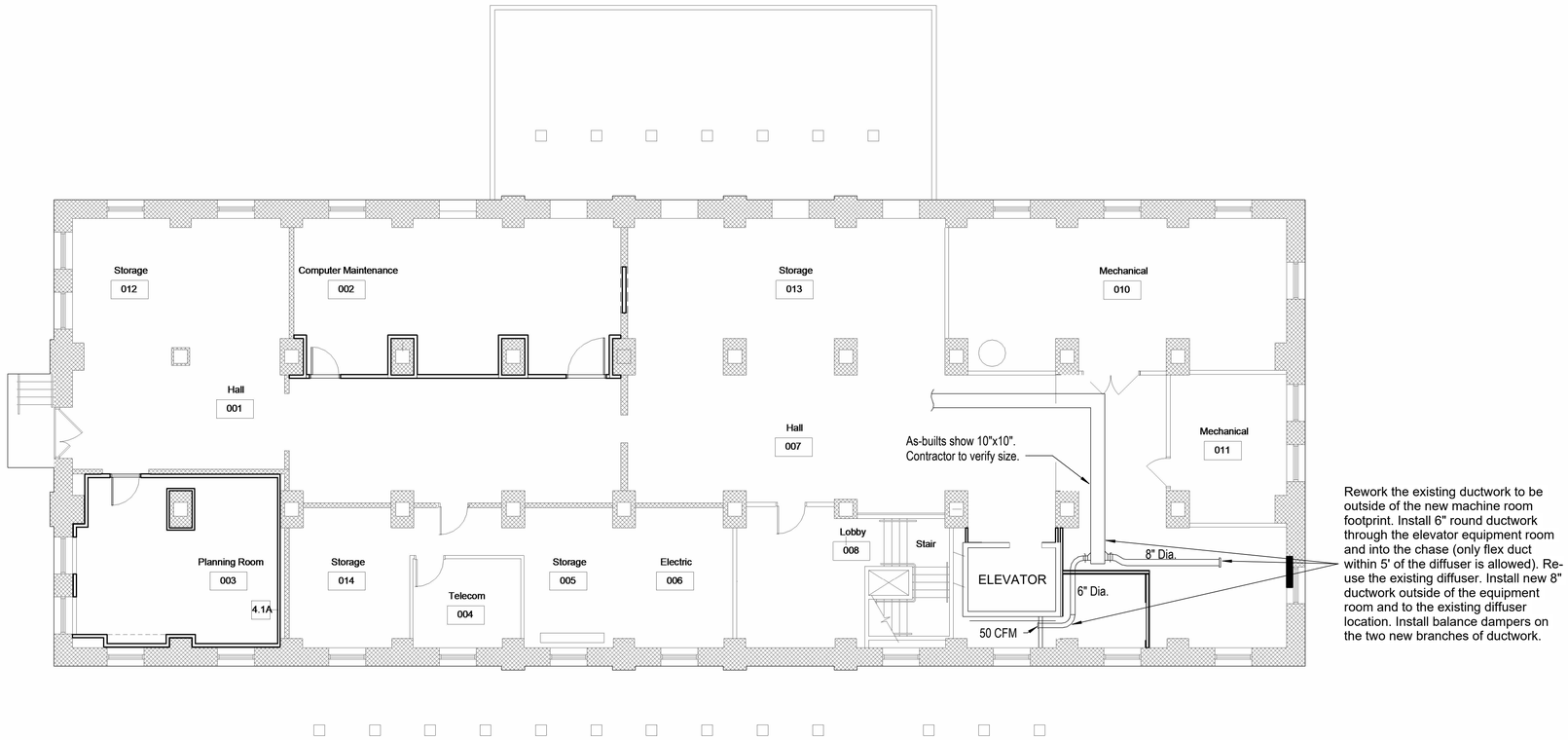
B246 Elevator Modernization

Basement HVAC Demo

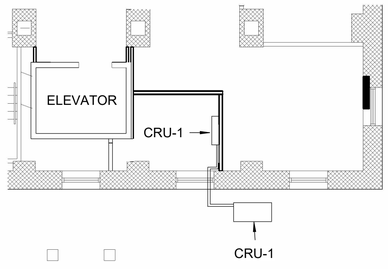
SHEET ID

MD-100



B1 | Basement HVAC

M-100 | 1/8" = 1'-0"



A1 | Enlarged Basement HVAC

M-100 | 1/8" = 1'-0"

General Notes

1. The contractor shall install an air-cooled mini split system into the elevator equipment room. The unit shall run under its own internal controls with a hardwired thermostat. The contractor shall also install a hardwired room temperature sensor for BAS monitoring and alarming capabilities to the Automated Logic Frontend. Provide any programming and graphical changes for the new sensor. Exterior insulation shall have aluminum jacketing. The unit shall also have a standalone secondary condensate pump. Connect condensate into the existing condensate piping inside the basement. Infill the existing window with an insulated metal panel to route the refrigerant lines through.
2. Provide a new equipment pad on the northeast side of the building. Concrete shall be 4" thick on top of a 4" compacted gravel base with 6"x6" WWF reinforcement. 4,000 PSI KCMMB mix design and weather sealed. Condensing unit shall be installed on a 2 foot tall platform that is on top of the concrete pad. The pad shall extend 6" past all sides of the equipment and slope 1/8" per foot away from the building. Must maintain the manufacturers recommended clearances.

UNITARY DX UNIT SCHEDULE

UNIT MODULES			EVAPORATOR DATA					HEATING DATA					FILTER DATA				CONDENSER DATA							
GENERAL INFORMATION																				ELECTRICAL DATA				
TAG	TYPE	AREA SERVED (015)	APPROXIMATE TOTAL CAPACITY (MBTU/HR)	TYPE	E.A.T. DB (°F)	L.A.T. DB (°F)	MAXIMUM WET AIR P-DROP (INCHES H_2O)	MINIMUM CAPACITY (BTU/HR)	TYPE	E.A.T. DB (°F)	L.A.T. DB (°F)	MAXIMUM WET AIR P-DROP (INCHES H_2O)	TYPE	MAXIMUM FILTER FACE VEL. (FPM)	CLEAN P-DROP (INCHES H_2O)	FINAL MAXIMUM P-DROP (INCHES H_2O)	TAG	MODULATION RANGE	MIN EER	FLA	MOCP	VOLT	PHASE	NOTES
CRU-1	AIR-COOLED, SPLIT-SYSTEM	ELEVATOR EQUIP RM (018)	12.3	DX	80.9	55.0	0.5	13.6	HEAT PUMP	68.0	95.0	0.5	2" PLEATED	300	0.1	0.55	C-CRU-1	25 - 100%	13.8	10.0	15	208	1	1-8

UNITARY DX UNIT NOTES LEGEND:
1. UNIT EXTERNAL TOTAL PRESSURE (STATIC + VELOCITY) DOES NOT INCLUDE ANY RESISTANCE FOR UNIT COILS, FILTERS UNIT CASING AND UNIT DAMPERS. CONTRACTOR SHALL ADD VALUES FROM ACTUAL EQUIPMENT SELECTED TO DETERMINE UNIT TOTAL
2. SEE SPECS AND CONTROL DRAWINGS (MI600 SERIES DRAWINGS).
3. PROVIDE WITH SECONDARY CONDENSATE DRAIN PANS.
4. FOR EVAPORATOR MODULE: PROVIDE FACTORY INSTALLED OVER-CURRENT PROTECTION AND DISCONNECT. PROVIDE AND INSTALL MOTOR RATED RELAY FOR CONTROLS INTERLOCK.
   FOR CONDENSER MODULE: PROVIDE FACTORY INSTALLED MOTOR RATED RELAY FOR CONTROLS INTERLOCK.
5. UNIT SHALL BE PROVIDED WITH FACTORY PREWIRED STARTER AND CONTROLS.
6. PROVIDE REMOTE TEMPERATURE SENSOR.
7. UNIT SHALL BE CAPABLE OF MAINTAINING SPACE CONDITIONS AT 72 deg. F and 50% RH (+/- 5% RH).
8. UNIT SHALL BE PROVIDED WITH ELECTRIC RESISTANCE BACK-UP HEATING AS PER THE CAPACITIES SPECIFIED.

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B246 Elevator Modernization

Basement HVAC Plan

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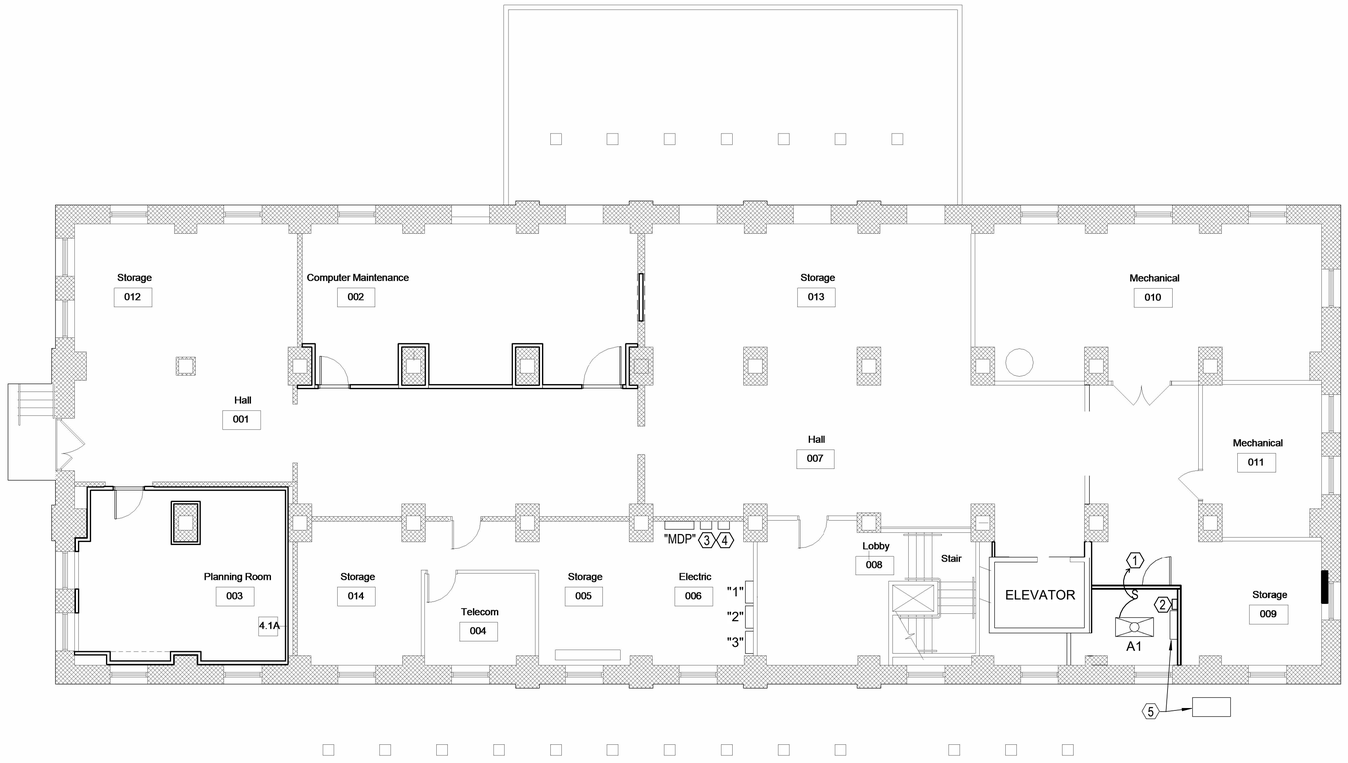

B1 Basement Electrical

E-100 1/8" = 1'-0"

General Notes:
1. Contractor shall provide all electrical equipment, materials, and labor for a fully functional elevator. The contractor shall field verify existing electrical panel loads and spare capacity for the new elevator equipment and associated equipment for the equipment room. The contractor shall submit a shop drawing for the electrical work to include panels and breaker locations being used.
2. Provide a lockable shunt trip circuit breaker in the Main Distribution Panel for the new elevator. Interlock with the emergency battery-powered lowering system. Wire to new disconnect switch in the elevator equipment room.

Key Notes:
1. Connect new light to nearest existing lighting circuit or provide new to nearest panel and provide a new 20A/1 pole breaker. Contractor to verify panel space. Refer to light fixture schedule for light details.
2. Provide a new fused disconnect for main elevator power. Wire to the existing auxiliary disconnect located in the hoistway.
3. Demo the existing main elevator power disconnect in Electrical Room 006.
4. Demo the existing 30A 208V fused disconnect for the elevator cab lighting. Install a new fused disconnect for the new elevator cab lighting inside the new elevator equipment room.
5. Provide power to the indoor cassette and outdoor condensing unit for the mini-split. The outdoor condensing unit shall also have a fused disconnect.

Light Fixture Schedule

Mark	Fixture Description	Wattage	Lumens	Fixture Finish	Color Temp	Basis of Design
A1	Ceiling mounted 2x4 LED Panel with Matte Lense	24.5	3000	White	4000K	Lithonia Lighting: CPX 2x4-3000LM-80CRI-40K-SWL-MVOLT

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FORT LEAVENWORTH, KS
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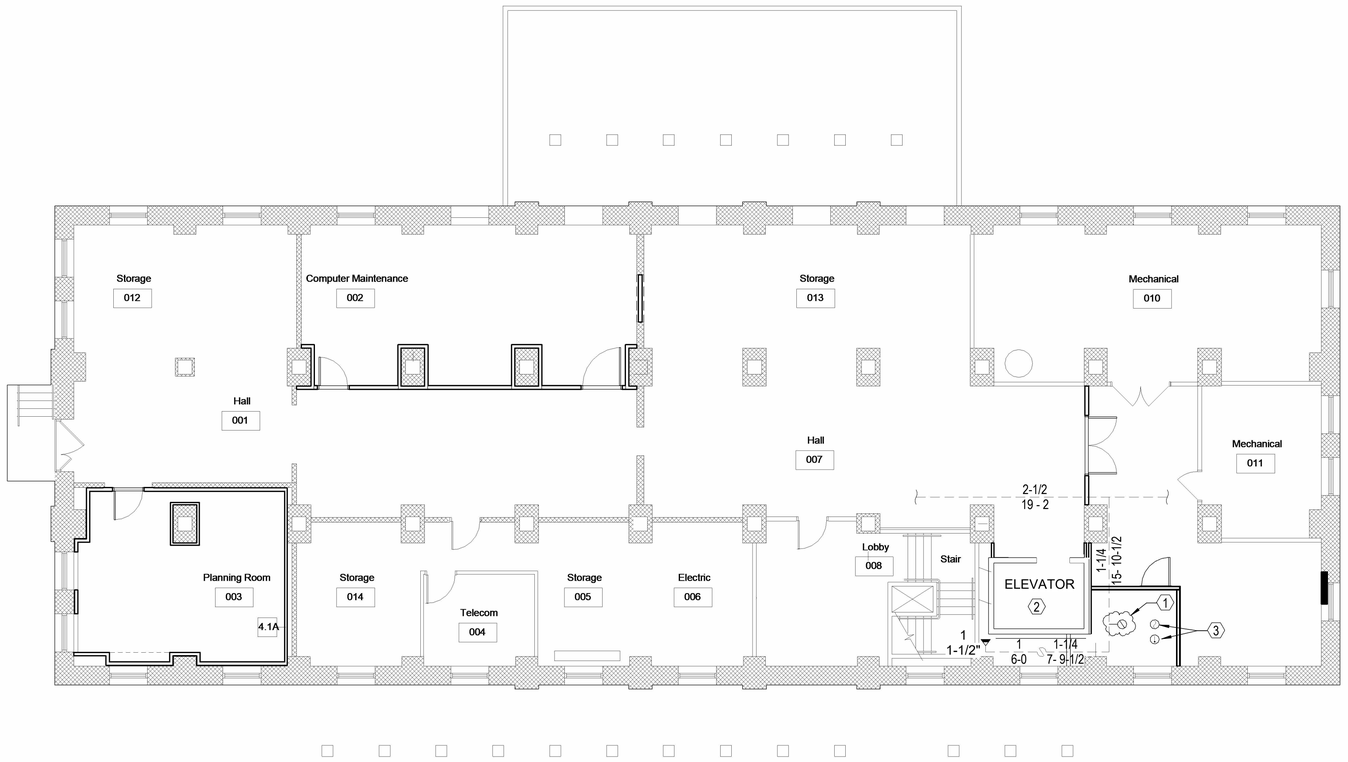
B246 Elevator Modernization

Basement Electrical

SHEET ID

E-100



B1 Basement Fire Protection

F-100 1/8" = 1'-0"

General Notes:
1. The existing system shall be modified in accordance with NFPA 72, UFC 3-600-01, and IBC Chapter 30.

2. New smoke detectors are required in the machine room and top of hoist way. Activation of associated detector must activate the facility fire alarm system and send the elevator to the designated floor per ASME A17.1 Phase I emergency recall operation and Phase II emergency in-car operation.

3. The elevator shall be equipped to operate with a standardized fire service elevator key.

4. The existing sprinkler system shall be modified in accordance with NFPA 13, UFC 3-600-01, and IBC Chapter 30.

5. Modify the existing sprinkler piping to add a sprinkler head in the new elevator equipment room and at the bottom of the elevator pit. Activation of sprinkler waterflow switches shall shunt trip elevator power with no delay upon switch activation.

Key Notes:
1. Modify existing sprinkler pipe to install a new sprinkler head within the elevator equipment room. Contractor to determine head type and required coverage. Coordinate exact location with new light.

2. Modify existing sprinkler pipe to install a new sprinkler head in the elevator pit. Contractor to determine head type and required coverage.

3. Modify the existing fire alarm system to install a new smoke detector and heat detector into the new elevator equipment room. The smoke detector shall be used for Phase I Emergency Recall. The heat detector shall be used for the elevator shunt trip and within 24" of the new sprinkler head.

Legend

- Existing Sprinkler Pipe
- New Sprinkler Pipe
- Existing Sprinkler Head
- New Sprinkler Head
- New Heat Detector
- New Smoke Detector

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