



ELEVATOR PENTHOUSE

NOTES BY SYMBOL

- ① EXISTING 3 TON DX UNIT. CONTRACTOR SHALL RE-LOCATE EXISTING THERMOSTAT TO LOCATION SHOWN. EXISTING DUCT DIFFUSERS AND GRILLES ARE TO REMAIN.
- ② EXISTING FIRE ALARM DEVICE. FIRE ALARM CONTRACTOR SHALL VERIFY INTEGRITY OF EXISTING SYSTEM AND COMPLIANCE WITH CURRENT LOCAL CODES. EXISTING FIRE ALARM DEVICES AND PANELS ARE TO BE RE-LOCATED TO NEW ELEVATOR CONTROLLERS. REFER TO DETAIL ON THIS SHEET FOR ASME-A17.1 COMPLIANCE.
- ③ EXISTING SHUNT RELIEF VENT. CONTRACTOR TO CONFIRM EXACT LOCATION AND INSURE THAT DEVICES IS STILL IN WORKING CONDITION.
- ④ EXISTING ELEVATOR EQUIPMENT ROOM PROPERLY VENTILATION FAN IN ROOF ACCESS MUST. CONTRACTOR SHALL RE-DIRECT EXISTING FAN AND CONTROL VIA A NEW LINE VOLAGE OCCUPANCY SENSOR.
- ⑤ EXISTING MANUAL TRANSFER SWITCH SHALL BE MOVED ONTO THE CRITICAL DISTRIBUTION SYSTEM. CONTRACTOR SHALL EXTEND (2) DRY CONTACTS FROM P-11 ELEVATOR CONTROLLER TO TRANSFER SWITCH 1-35 LOCATED ON THE 1ST FLOOR. GENERATOR/ANS TRANSFER SEQUENCE OF OPERATION SHALL BE PROGRAMMED TO MEET SCHEDULE ELECTRICAL TRANSFER REQUIREMENTS.
- ⑥ DURING REMOVAL OF EXISTING ELEVATOR CONTROLS, CONTRACTOR SHALL DISCONNECT POWER TO EXISTING CONTROLS. EXTEND 3/4"Ø, 1/2"Ø AND 2" CONDUIT FROM EXISTING POINT TO NEW LOCATION OF ELEVATOR CONTROLLERS TO BE UPGRADED. CONTRACTOR SHALL VERIFY ALL ELECTRICAL CONNECTIONS ARE IN OPERATING CONDITION. CONTROL UTILITY REQUIREMENTS WITH SHUNTLER PRIOR TO CONNECTION. NOTIFY ENGINEER IF THERE IS ANY DISCREPANCIES FOR DIRECTION.
- ⑦ EXISTING 3" CHILLED WATER SUPPLY AND RETURN LINES. CONTRACTOR SHALL NOT TAP AND EXTEND LINES TO NEW CHILLED WATER AIR HANDLING UNIT AHU-1 NOTED.
- ⑧ EXTEND 1" CONDENSATE TO NEAREST FLOOR DRAIN.
- ⑨ TRANSITION TO A 40X12 DUCT. TERMINATE WITH HARDWARE CLOTH. DUCTWORK SHALL BE TIGHT TO BOTTOM OF EXISTING DUCTWORK.
- ⑩ PROVIDE 2#12, #12Ø, 1/2" CONDUIT VIA AN EXISTING 20A/1P BREAKER IN PANEL ELEVATOR A/C. COORDINATE EXACT LOCATION WITH ELEVATOR A/C.
- ⑪ PROVIDE 2#12, #12Ø, 1/2" CONDUIT VIA A NEW 480/3Ø/15A BREAKER IN THE EXISTING MOTOR CONTROL CENTER FOR POWER TO AHU-1.

Air Handling Unit Schedule

TAG NO.	AHU-1
SERIES	ELEVATOR PENTHOUSE
SUPPLY FAN:	
EXTERNAL S.P. (I.W.G.)	1.00
ESTIMATED TOTAL S.P. (I.W.G.)	1.78
FAN TYPE	1305 RPM
FAN RPM	1305 RPM
MOTOR HP	3.0
ELECTRICAL DATA:	480/3
COOLING COIL SECTION:	
COOLING COIL CFM	4000
MAX. FACE VELOCITY (FPM)	500
ENT. AIR DV/AB (°F)	80.0 / 67.0
LVG. AIR DV/AB (°F)	57.7 / 57.5
ROWS / FINS PER INCH	6 / 12
AIR PRESS. DROP (I.W.G.)	18.12
EMV/LMT (°F)	45 / 58
WATER PRESS. DROP (FT.W.G.)	1.6
TOTAL CAPACITY (BTUH)	120,000
SENSIBLE CAPACITY (BTUH)	94,100
UNIT CONFIGURATION	DRW-THRU
FILTERS	30X FILTERS
MODEL - TRADE	LPQD09F

NOTES:
1. PROVIDE VIBRATION ISOLATION PER SPEC SECTION 23 05 41.

1/4" = 1'-0" BLDG. #1, PENTHOUSE FLOOR PLAN-MEP

CONSULTANTS:

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Project Title	PENTHOUSE-FLOOR-PLAN-MEP
Approved Project Director	
Project Title	ELEVATOR REPAIRS AND UPGRADES, BUILDINGS 1
Location	VAMC - THOMAS E CREEK
Drawn	02/18/2020
Checked	
Drawn	
Project Number	VA 504-1I-105
Building Number	1
Drawing Number	



100% CDIS

Office of Construction and Facilities Management