



ELEVATOR PENTHOUSE

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	
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 DB/AB (°F)	80.0 / 67.0
LVG. AIR DB/AB (°F)	57.7 / 57.5
ROOMS / FMS PER INCH	6 / 12
AIR PRESS. DROP (I.W.G.)	
ENT/LVLT (°F)	18.12
WATER PRESS. DROP (FT.W.G.)	45 / 58
TOTAL CAPACITY (BTUH)	120,000
SENSIBLE CAPACITY (BTUH)	964,100
UNIT CONFIGURATION	DRAW-THRU
FILTERS	30X FILTERS
MODEL - TRANE	LPC0008F

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

- NOTES BY SYMBOL 'O'.
- EXISTING 3 TON DX UNIT. CONTRACTOR SHALL RE-LOCATE EXISTING THERMOSTAT TO LOCATION SHOWN. EXISTING DUCT DIFFUSERS AND GRILLES ARE TO REMAIN.
 - EXISTING FIRE ALARM RINGS. FIRE ALARM CONTRACTOR SHALL FIELD VERIFY INTEGRITY OF EXISTING SYSTEM AND COMPLIANCE WITH CURRENT LOCAL CODES. EXISTING FIRE ALARM DEVICES AND PANELS ARE TO BE BACK INTO NEW ELEVATOR CONTROLLERS. REFER TO DETAIL ON THIS SHEET FOR ASME-A17.1 COMPLIANCE.
 - EXISTING SHAFT RELIEF VENT. CONTRACTOR TO CONFIRM EXACT LOCATION AND INSURE THAT DEVICES IS STILL IN WORKING CONDITION.
 - EXISTING ELEVATOR EQUIPMENT ROOM PROPERLY VENTILATION FAN IN ROOF ACCESS MUST. CONTRACTOR SHALL RE-REFRESH EXISTING FAN AND CONTROL VIA A NEW LINE VOLUME OCCUPANCY SENSOR.
 - EXISTING MANUAL TRANSFER SWITCH SHALL BE LOOSED 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/AIS TRANSFER SEQUENCE OF OPERATION SHALL BE PROGRAMMED TO MEET SCHINDLER ELECTRICAL TRANSFER REQUIREMENTS.
 - DURING REMOVAL OF EXISTING ELEVATOR CONTROLS, CONTRACTOR SHALL DISCONNECT POWER TO EXISTING CONTROLLERS. EXTEND 3/4"Ø, 1#4G IN 2" CONDUIT FROM EXISTING POWER TO NEW LOCATION OF ELEVATOR CONTROLLERS TO BE UPGRADED. CONTRACTOR SHALL FIELD VERIFY INTEGRITY OF EXISTING SYSTEM AND COMPLIANCE WITH CURRENT LOCAL CODES. CONTRACTOR DISCONNECTS AND SHUNT TRIP MECHANISM ARE IN OPERATING CONDITION. CONFIRM UTILITY REQUIREMENTS WITH SCHINDLER PRIOR TO CONNECTION. NOTIFY ENGINEER IF THERE IS ANY DISCREPANCIES FOR DIRECTION.
 - EXISTING 3" CHILLED WATER SUPPLY AND RETURN LINES. CONTRACTOR SHALL HOT TAP AND EXTEND LINES TO NEW CHILLED WATER AIR HANDLING UNIT AHU-1 NOTED.
 - EXTEND 1" CONDENSATE TO NEAREST FLOOR DRAIN.
 - TRANSITION TO A 40X12 DUCT. TERMINATE WITH HARDWARE CLOTH. DUCTWORK SHALL BE TIGHT TO BOTTOM OF EXISTING DUCTWORK.
 - PROVIDE 2#12, 1#12G, 1/2" CONDUIT VIA AN EXISTING 20A/1P BREAKER IN PANEL 1-35 FOR ELEVATOR DESTINATION DISPATCHER. COORDINATE EXACT LOCATION WITH ELEVATOR MFG.
 - PROVIDE 2#12, 1#12G, 1/2" CONDUIT VIA A NEW 480/3Ø/15A BREAKER IN THE EXISTING MOTOR CONTROL CENTER FOR POWER TO AHU-1.

1 BLDG. #1, PENTHOUSE FLOOR PLAN-MEP

CONSULTANTS:

TELIOS

CONSULTANTS

ARCHITECT/ENGINEERS

100% CD5

ARCHITECT/ENGINEERS:

SBBL Architecture + Planning

1001 North Alvarado Way #105, Tucson, Arizona 85711

6: sbbl@sbbl.biz

Project Title

PENTHOUSE-FLOOR-PLAN-MEP

Project Title

ELEVATOR REPAIRS AND UPGRADES, BUILDINGS 1

Project Number

VA 504-1I-105

Approved Project Director

Location

VAMC - THOMAS E. CREEK

DWG

02/10

Checked

DWG

DWG

1

Drawing Number

Office of Construction and Facilities Management

