

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

Table with columns: ITEM #, DESCRIPTION, VOLTAGE/PHASE, LOCATION, ELEC. DATA (LOAD, UNITS, MCA, MOCF), PANEL DESIGNATION, CONDUCTORS (CONDUIT, LINE, NEU, GND), LOCAL DISCONNECTING MEANS (N.F.D.S. SIZE, F.D.S. SIZE, FUSE SIZE, ENCL NEMA), REMARKS/NOTES. Rows include VAV-1 through VAV-12, IU-1, OU-1, RTU-1 through RTU-3, EF-1 through EF-3, P-1A, P-1B, and WH-1.

GENERAL NOTES:

- 1 THE INFORMATION ABOVE SHALL BE COORDINATED WITH THE MECHANICAL EQUIPMENT AS TAGGED ACTUAL EQUIPMENT REQUIREMENTS SHALL TAKE PRECEDENCE OVER THE LISTED INFORMATION. CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT REQUIRED TO PLACE EQUIPMENT IN SERVICE. EQUIPMENT MANUFACTURER SHALL BE RESPONSIBLE FOR VARIATIONS IN ELECTRICAL FIELD CONNECTIONS DUE TO EQUIPMENT SUBSTITUTIONS - MODIFY OVERCURRENT, DISC. SW, WIRE SIZE ETC. AS NECESSARY.
2 THIS SCHEDULE INCLUDES, BUT IS NOT LIMITED TO, THE EQUIPMENT FOUND ON THIS PROJECT, COORDINATE WITH ALL TRADES AND PROVIDE MANUFACTURERS MINIMUM REQUIREMENTS TO ALL EQUIPMENT INSTALLED. THIS SCHEDULE IS NOT TO IMPLY QUANTITY OF EQUIPMENT, REFER TO CONSTRUCTION DOCUMENTS OF RESPECTIVE TRADE FOR LOCATION AND QUANTITIES.
3 REFER TO BUSSING DIAGRAM OF REFERENCED PANEL FOR CIRCUIT BREAKER SIZES.
4 STARTER/MOTOR SWITCH/DISCONNECT SHALL BE LOCATED ADJACENT TO UNIT IN ACCORDANCE WITH N.E.C. ARTICLE #110 & #440 - MAINTAIN WORKING CLEARANCES.
5 ALL FIELD WIRING TO UNITS SHALL BE PROPERLY SUPPORTED PER NEC AND ENCLOSURES SHALL BE PROPERLY RATED FOR THE INSTALLATION CONDITIONS. FIELD VERIFY PROPER BONDING TO GROUND.
6 CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY EQUIPMENT SHIPPED LOOSE WITH UNIT, SUCH AS FAN SPEED CONTROLLERS - INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
7 ALL DISCONNECTS, CONTROL PANELS, MOTOR STARTERS AND EQUIPMENT SHALL BE LABELED TO INDICATE POWER SOURCE AND FEED. SEE ELECTRICAL EQUIPMENT LABEL/IDENTIFICATION DETAIL DRAWING E4.01.

SPECIAL NOTES:

- A FURNISHED WITH UNIT MOUNTED NON-FUSED DISCONNECT SWITCH WITH SINGLE POINT CONNECTION, SUPPLIED BY EQUIP. MANUFACTURER.
B UNIT FURNISHED WITH NON-FUSED DISCONNECT SWITCH WITH SINGLE POINT ELECTRICAL CONNECTION. CONTRACTOR TO MOUNT DISCONNECT SWITCH LOCAL TO UNIT.
C RETURN AIR SMOKE DETECTORS FOR UNITS GREATER THAN 2,000 CFM SHALL BE FURNISHED BY THE FIRE ALARM CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL RECEIVE THE DUCT DETECTOR FROM THE FIRE ALARM CONTRACTOR AND INSTALL IN DUCTWORK. THE FIRE ALARM CONTRACTOR SHALL CONNECT THE DUCT DETECTOR TO THE FIRE ALARM SYSTEM AND SHALL INTERLOCK THE DETECTOR WITH THE HVAC UNIT TO SHUT DOWN UNIT OPERATION AT THE PRESENCE OF SMOKE.
D UNIT SHALL BE ELECTRICALLY INTERLOCKED WITH AND CONTROLLED BY INDEPENDENT SWITCH WITH PILOT LIGHT.
E UNIT SHALL BE ELECTRICALLY INTERLOCKED WITH AND CONTROLLED BY ZONE LIGHT CONTROL UNIT IS EQUIPPED WITH AN INTEGRAL 277/120V STEP-DOWN TRANSFORMER FOR LIGHTING CIRCUIT INTERCONNECTION.
F NOT USED.
G E.C. TO INSTALL FAN SPEED CONTROLLER SHIPPED WITH UNIT.
H INTERNAL CONDENSATE PUMP AND INDOOR FAN COIL SHALL BE POWERED BY OUTDOOR UNIT.
I FURNISHED WITH THERMOSTAT.
J DOMESTIC WATER HEAT TRACING AND POWER CONNECTIONS BY E.C. - 30ma EGFCI BREAKER - REFER TO DETAIL.
K FURNISH AND INSTALL MANUAL MOTOR STARTER SWITCH W/O OVERLOADS, SUITABLY SIZED AND RATED FOR RESISTIVE TYPE LOADS, TO SERVE AS LOCAL DISC. - MOUNT ADJACENT TO EQUIPMENT.
L FURNISHED WITH UNIT MOUNTED ON-BOARD CONTROLLER. FURNISH AND INSTALL ALL FIELD WIRING CONNECTIONS AS REQUIRED PER MANUFACTURER'S RECOMMENDATIONS.
M FURNISHED WITH UNIT MOUNTED MICROPROCESSOR CONTROL PANEL FOR PEER-TO-PEER OPERATION. FURNISH AND INSTALL ALL FIELD WIRING CONNECTIONS AS REQUIRED PER MANUFACTURER'S RECOMMENDATIONS.
N UNIT FURNISHED WITH 120V FACTORY WIRED, POWERED CONVENIENCE OUTLET.

LIGHTING FIXTURE SCHEDULE

Table with columns: TYPE, MANUFACTURER, CATALOG NO., LAMP, VOLTAGE, INPUT WATTS, MOUNTING, FINISH, REMARKS, NOTES. Rows include A, A1(E), B, C, C(E), C1, C1(E), D, D(E), EX1, EX2, EX3, F, G, H, J, K(E), L, M(E), N, O, P, Q, R, S(E).

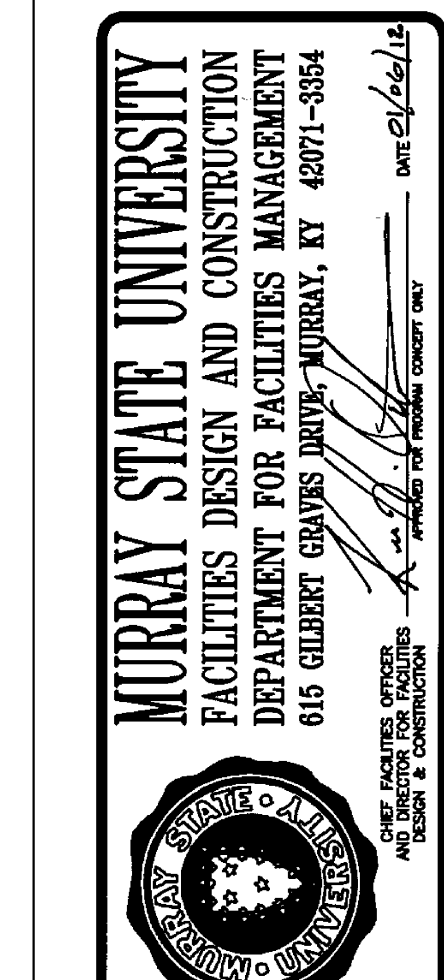
GENERAL NOTES:

- 1 ALL LAMPS SHALL BE 4100K CRI UNLESS NOTED OTHERWISE.
2 WHEN APPLICABLE ALL BALLAST SHALL BE ELECTRONIC TYPE <10% THD
3 FIXTURES SCHEDULED WITH SELF-CONTAINED EMERGENCY BATTERIES SHALL BE CONNECTED TO THE SAME CIRCUIT SERVING NORMAL LIGHTING, IN THE SPACE, PER NEC. PULL AN UNSWITCHED CONDUCTOR TO BATTERY UNIT TRANSFER MECHANISM AND FIXTURE SHALL BE SUPPLIED WITH A FACTORY MOUNTED INTEGRAL TEST BUTTON.
4 ALL LAY-IN FIXTURES SHALL BE SUPPORTED PER SEISMIC STANDARDS AND DETAIL.
5 CONTRACTOR SHALL FIELD COORDINATE DIRECTION ARROWS OF ALL EXIT SIGNS, AS APPLICABLE TO PATH OF EGRESS FOR PUNCH-OUT TYPE ARROWS. EDGE-LIT FIXTURES WITH ENGRAVED CHEVRONS SHALL BE COORDINATED DURING ORDERING, PRIOR TO JOB-SITE DELIVERY.
6 "N/L" INDICATES NON SWITCHED NITE LITE.
7 ALL DIMMERS SHALL BE ELECTRONIC, PRE-SET, SLIDER TYPE SUITABLE FOR THE CONNECTED LOAD AND SHALL BE SUITABLE FOR PROPER OPERATION WITH FIXTURES WITH DIMMING BALLASTS.

SPECIAL NOTES:

- A STANDARD PAINTED FINISH TO BE SELECTED BY ARCHITECT DURING SHOP DRAWINGS PROCESS. FURNISH COLOR BROCHURE FOR SELECTIONS, AS APPLICABLE.
B CONTRACTOR SHALL COORDINATE FIXTURE LOCATION WITH ARCHITECTURAL ELEMENTS.

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REVISIONS

Table with columns: Date, H+C Project No., FDC Project No., BFW Project No., Marcum Project No., Sheet Name. Rows include 2012-01-04, 2983.00, 10-007, 11194, 11557, ELECTRICAL SCHEDULES.