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9/22/2022

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When ever there is a discrepancy between the runout duct size shown on the plans and that shown in the manufacturer's literature, the manufacturer's literature shall be followed.

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KEYED NOTES:

1. MOUNT UNIT HEATER TO FINISHED CEILING PER MANUFACTURER'S RECOMMENDATIONS. REFER TO IOM FOR PREFERRED UNIT ELEVATION HEIGHT. COORDINATE FINAL ELEVATION WITH OWNER.

2. PROVIDE TEMPERATURE SENSOR IN INSULATED BOX AND MOUNT ON WALL 46" TO TOP OF SENSOR.

3. INSTALL LOUVER/MOTORIZED DAMPER PER PLANS. REFER TO MANUFACTURER'S IOM FOR ADDITIONAL INFORMATION. MOUNT 12 INCHES ABOVE FINISHED FLOOR TO BOTTOM OF LOUVER. INTERLOCK MOTORIZED DAMPER WITH CO & NO ALARM.

4. MOUNT SENSOR ON WALL AT 46 INCHES ABOVE FINISHED FLOOR TO TOP OF UNIT AND INTERLOCK WITH L-1 AND EF-1.

5. INSTALL EF-1 ON ROOF CURB PER DETAIL. REFER TO MANUFACTURER'S IOM FOR ADDITIONAL INFORMATION. SEAL WEATHERTIGHT. ROUTE 14"X14" RECTANGULAR DUCT FROM ROOF CURB TO R-2 EXHAUST REGISTER.

6. INSTALL EF-2 ON ROOF CURB PER DETAIL. REFER TO MANUFACTURER'S IOM FOR ADDITIONAL INFORMATION. SEAL WEATHERTIGHT. TRANSITION FROM RECTANGULAR DUCT TO ROUND AND ROUTE 6"Ø ROUND DUCT FROM ROOF CURB TO R-1 EXHAUST REGISTER.

7. WRAP ALL EXHAUST DUCT WITH DUCT INSULATION IN ATTIC SPACE.
KEYED NOTES:

1. 1/2" CONDUIT TO TRANSIT FROM MECHANICAL UNIT TO CORRESPONDING ELECTRICAL CONDUIT. LEAVE 12" SLACK AT BOX AND MECHANICAL UNIT. MECHANICAL CONTRACTOR TO MAKE FINAL CONNECTIONS. COORDINATE BOX SIZE AND QUANTITY OF CONDUCTOR(S) WITH MECHANICAL CONTRACTOR. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.

2. EQUIPMENT LOCATED ON ROOF.

3. BODY OF CONDUIT 1/2" ABOVE ROOF DECK OR 12" ABOVE MECHANICAL UNIT.

4. FIELD COORDINATE DISCONNECT LOCATION WITH MECHANICAL CONTRACTOR TO MAINTAIN ALL REQUIRED CLEARANCES.

5. CONNECT-THROUGH BETWEEN MOTOR UNIT AND TRANSFORMER. ADDRESS OR CIRCUIT TYPE AS ALL MECHANICAL UNIT.

6. CONNECT-THROUGH BETWEEN MOTOR UNIT AND TRANSFORMER. ADDRESS OR CIRCUIT TYPE AS ALL MECHANICAL UNIT.

7. CHAIN-MODED DOOR SWITCH. COORDINATE REQUIREMENTS WITH DOOR INSTALLER PRIOR TO ROUGH IN. PROVIDE BACK AND CONDUIT TO STRUCTURE.

8. REMOVAL OF EXISTING LIGHT FIXTURE. MAINTAIN AND PROTECT EXISTING CIRCUIT TO BE RECONNECTED TO NEW LIGHT FIXTURES IN THIS AREA.

9. INTERCEPT AND EXTEND THE EXISTING CIRCUIT TO THE NEW LIGHTS AS SHOWN.

10. PROVIDE AND INSTALL HIGH BAY OCCUPANCY SENSOR.

11. PROVIDE AND INSTALL BACK BOX AND WATERPROOF COVER FOR GARAGE DOOR KEYPAD SWITCH. ROUTE CONDUIT FROM BOX TO ACCESSIBLE STRUCTURE INSIDE THE BUILDING.
1. PROVIDE FRAMING AS REQUIRED.

FINISHED CEILING
FINISHED FLOOR
EXIT

DETAIL GENERAL NOTES:

+18"
A.F.F.
+46"
A.F.F.
+84"
A.F.F.
+96"
A.F.F.

EMERGENCY LIGHT FIXTURE (U.N.O.)
FIRE ALARM NOTIFICATION DEVICE (U.N.O.)
TEMPERATURE SENSOR (U.N.O.)
THERMOSTAT (U.N.O.)
FIRE ALARM PULL-STATION (U.N.O.)
+48" GFI DUPLEX RECEPTACLE (U.N.O.)
DUAL SWITCH (U.N.O.)
SINGLE SWITCH (U.N.O.)
QUAD RECEPTACLE (U.N.O.)
HORIZONTAL DUPLEX RECEPTACLE (U.N.O.)
DUPLEX RECEPTACLE (U.N.O.)
HORIZONTAL DATA OUTLET (U.N.O.)
DATA OUTLET (U.N.O.)
INTERCOM PANEL (U.N.O.)

CENTER LOCAL DISCONNECT AT INTERIOR FAN COIL HEIGHT.
(SWITCH TO BE KEYED SWITCH)

INTERIOR FAN COIL UNIT
EXIT SIGN +12" ABOVE DOOR FRAME (U.N.O)

ENERGY CODE COMMISSIONING COMPLIANCE NOTES

SECTION 408 SYSTEM COMMISSIONING
IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL BELOW NOTED DOCUMENTS WITHIN 90 DAYS OF CERTIFICATE OF OCCUPANCY:

A. AS-BUILT DRAWINGS - DRAWINGS SHALL INCLUDE THE LOCATION AND PERFORMANCE DATA OF ALL PIECES OF MECHANICAL EQUIPMENT.

B. OPERATING AND MAINTENANCE MANUALS - MANUALS SHALL INCLUDE THE FOLLOWING:
   1. SUBMITTAL DATA ON ALL PIECES OF EQUIPMENT REQUIRING MAINTENANCE.
   2. MANUFACTURER'S OPERATIONS AND MAINTENANCE DATA ON ALL PIECES OF EQUIPMENT. ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.
   3. NAME AND ADDRESS AND PHONE NUMBER OF AT LEAST ONE SERVICE PROVIDER.
   4. LIGHTING CONTROL SYSTEMS MAINTENANCE AND CALIBRATION INFORMATION INCLUDING WIRING DIAGRAMS, EQUIPMENT AND SYSTEM SCHEMATICS, AND CONTROL SEQUENCES OF OPERATIONS. DESIRED OR FIELD DETERMINED SETPOINTS SHALL BE PERMANENTLY RECORDED ON CONTROL DRAWINGS AT ALL CONTROL DEVICES, OR FOR DIGITAL CONTROL SYSTEMS, IN THE SYSTEM PROGRAMMING INSTRUCTIONS.
   5. A NARRATIVE ON HOW EACH LIGHTING SYSTEM IS INTENDED TO OPERATE, INCLUDING RECOMMENDED SETPOINTS.

C. LIGHTING SYSTEM FUNCTIONAL TESTING REQUIREMENTS
FUNCTIONAL TESTING - ALL AUTOMATIC LIGHTING CONTROL SYSTEM SHALL BE FULLY TESTED TO ENSURE THE CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED, AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.
WHERE OCCUPANT SENSORS, TIME SWITCHES, PROGRAMMABLE CONTROLS, PHOTOSENSORS OR DAYLIGHTING CONTROLS ARE INSTALLED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:
   1. CONFIRM THAT THE PLACEMENT, SENSITIVITY AND TIME-OUT ADJUSTMENTS FOR OCCUPANT SENSORS YIELD ACCEPTABLE PERFORMANCE.
   2. CONFIRM THAT THE TIME SWITCHES AND PROGRAMMABLE SCHEDULE CONTROLS ARE PROGRAMMED TO TURN THE LIGHTS OFF.
   3. CONFIRM THAT THE PLACEMENT AND SENSITIVITY ADJUSTMENTS FOR PHOTOSENSOR CONTROLS REDUCE ELECTRIC LIGHT BASED ON THE AMOUNT OF USABLE DAYLIGHT IN THE SPACE AS SPECIFIED.

D. FINAL LIGHTING SYSTEM FUNCTIONAL REPORT
- A REPORT OF TEST PROCEDURES AND RESULTS IDENTIFIED AS THE "FINAL LIGHTING CONTROL REPORT" SHALL BE DELIVERED TO THE BUILDING OWNER. THE REPORT SHALL INCLUDE THE FOLLOWING:
   1. LIST OF FUNCTIONAL TESTS USED DURING THE COMMISSIONING PROCESS ON EACH PIECE OF EQUIPMENT.
   2. RESULTS OF FUNCTIONAL TESTS ON EACH PIECE OF EQUIPMENT.
   3. LIST OF DEFICIENCIES FOUND AND CORRECTIVE MEASURES EITHER IMPLEMENTED OR PROPOSED ON EACH PIECE OF EQUIPMENT.
   4. LIST OF EQUIPMENT NOT ABLE TO BE FUNCTIONALLY TESTED DUE TO CURRENT CLIMATE CONDITIONS. THESE PIECES OF EQUIPMENT WILL FUNCTIONALLY TESTED ONCE CLIMATE CHANGES ALLOW.