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HVAC & PLUMBING EQUIPMENT CONNECTIONS

RTU-1 CONNECT RTU-1, 8.5 TONS, 460V-3ø, MCA=42.0, MOCP=50. PROVIDE 60 AMP, 3-FUSE, NEMA-3R SAFETY SWITCH AT EACH CONNECTION. FUSE SWITCHES WITH 50 AMP FUSETRONS. GAS HEAT. CIRCUIT 1¼"C, 3#4. #10 GND.

RTU-2 RTU-3 CONNECT RTU-2, & 3, EACH 10.0 TONS, 460V-3ø, MCA=46.1, MOCP=60. PROVIDE 60 AMP, 3-FUSE, NEMA-3R SAFETY SWITCH AT EACH CONNECTION. FUSE SWITCHES WITH 50 AMP FUSETRONS. GAS HEAT. CIRCUIT 1¼"C, 3#4. #10 GND.

CU-1 CONNECT DUCTLESS SYSTEM CU-1, ON ROOF, 208V-1ø, MCA=15 MOCP=20. PROVIDE 30 AMP, 2-FUSE, NEMA-3R SAFETY SWITCH AT CONNECTION. FUSE SWITCH WITH 20 AMP FUSETRON CIRCUIT ¾"C, 2#10. #10 GND.

DAHU-1 CONNECT DUCTLESS SYSTEM INDOOR UNIT DAHU-1, IN DATA/ELEC 208V-1ø, MCA=1, CIRCUIT ¾"C, 2#12. #12 GND FROM CU-1.

EF-1 CONNECT CEILING EXHAUST FAN, 54.2W, 120 VOLTS, FAN HAS BUILT-IN SAFETY SWITCH. INTERLOCK WITH ROOM LIGHT SWITCH. CIRCUIT ¾"C WITH 1-#12 & 1-#12 GND.

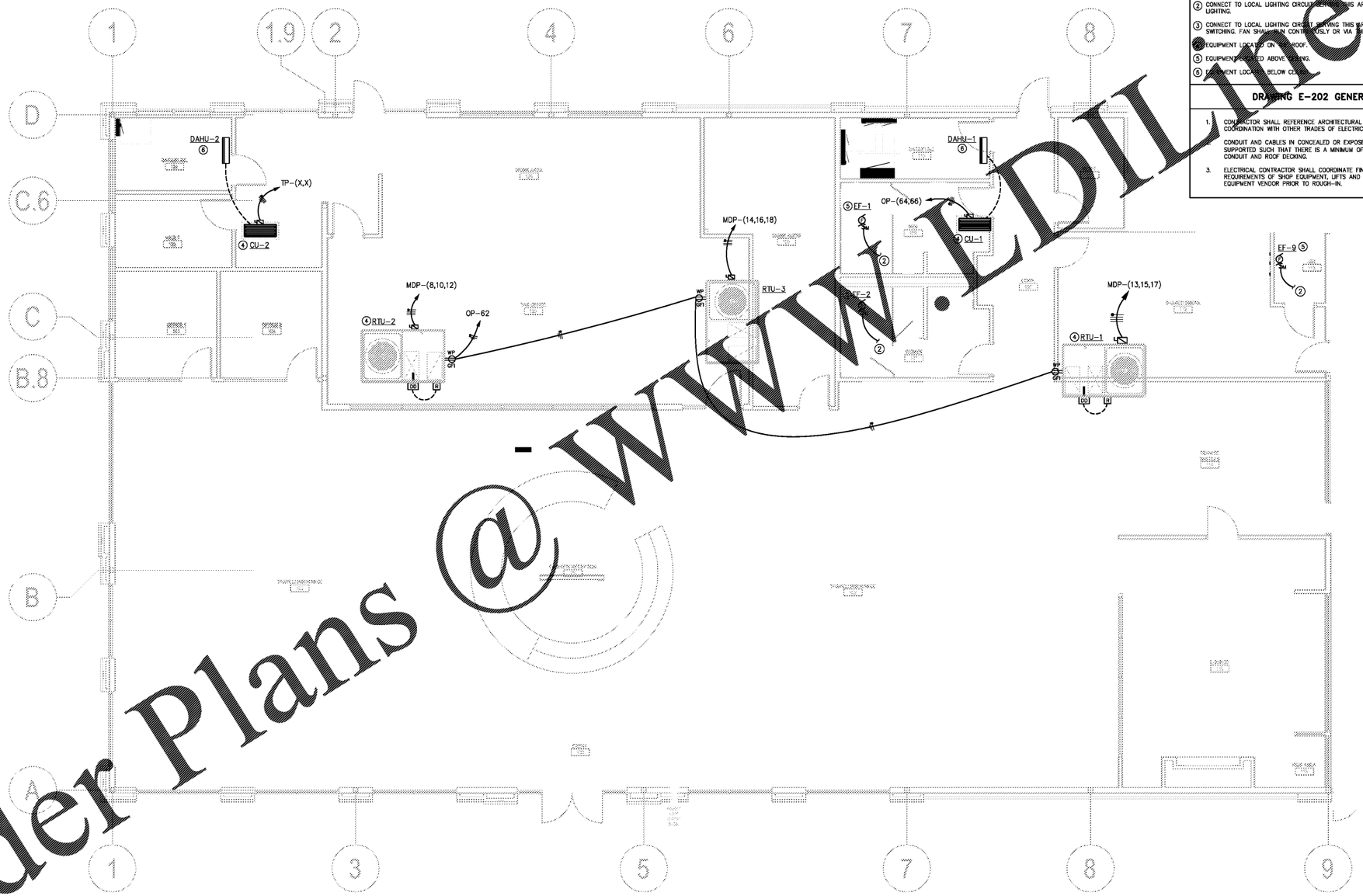
EF-2 CONNECT CEILING EXHAUST FAN, 128W, 120 VOLTS, FAN HAS BUILT-IN SAFETY SWITCH. INTERLOCK WITH ROOM LIGHT SWITCH. CIRCUIT ¾"C WITH 1-#12 & 1-#12 GND.

EF-9 EF-12 CONNECT CEILING EXHAUST FAN, ¼ HP, 120 VOLTS, FANS HAVE BUILT-IN SAFETY SWITCH. CIRCUIT ¾"C WITH 1-#12 & 1-#12 GND. CONNECT FOR 24/7 OPERATION.

WH-1 CONNECT GAS WATER HEATER IGNITER. 120 VOLTS. PROVIDE 12 AMP, SPST SWITCH AT CONNECTION POINT.

RCP-1 CONNECT HOT WATER RECIRC PUMP. 120 VOLTS, 1/12HP. PROVIDE 20 AMP, SPST SWITCH AT CONNECTION POINT. CIRCUIT ¾"C WITH 1-#12 & 1-#12 GND.

NOTE:
ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR EXACT EQUIPMENT BEING FURNISHED UNDER THIS CONTRACT. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL DISCONNECTS, FUSES, REDUCERS, CONTROL CIRCUITS AND CONNECTIONS REQUIRED FOR THE INSTALLATION OF THE MECHANICAL EQUIPMENT, ALL FUSES SHALL BE PER THE NAME PLATE LABEL



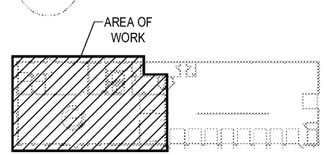
1 REATIL AREA
FLOOR PLAN – HVAC & PLUMBING CONNECTIONS
SCALE: 3/16" = 1'-0"

DRAWING E-202 KEYNOTES

1. LOCATION OF OIL INTERCEPTOR ALARM PANEL. 120V CONNECTION TO CIRCUIT SPARE. SEE PLUMBING DRAWINGS, PANEL MUST BE INSTALLED EVEN IF NOT REQUIRED BY CITY.
2. CONNECT TO LOCAL LIGHTING CIRCUIT SERVING THIS AREA. FAN SHALL BE SWITCHED WITH LIGHTING.
3. CONNECT TO LOCAL LIGHTING CIRCUIT SERVING THIS AREA. CONNECT TO CIRCUIT AHEAD OF SWITCHING. FAN SHALL RUN CONTINUOUSLY OR VIA THERMOSTAT.
4. EQUIPMENT LOCATED ON ROOF.
5. EQUIPMENT LOCATED ABOVE CEILING.
6. EQUIPMENT LOCATED BELOW CEILING.

DRAWING E-202 GENERAL NOTES

1. CONTRACTOR SHALL REFERENCE ARCHITECTURAL DRAWINGS FOR LOCATIONS, HEIGHTS, & COORDINATION WITH OTHER TRADES OF ELECTRICAL WORK.
2. CONDUIT AND CABLES IN CONCEALED OR EXPOSED AREAS SHALL BE INSTALLED AND SUPPORTED SUCH THAT THERE IS A MINIMUM OF 1½" SPACE BETWEEN CABLE AND/OR CONDUIT AND ROOF DECKING.
3. ELECTRICAL CONTRACTOR SHALL COORDINATE FINAL LOCATIONS AND EXACT ELECTRICAL REQUIREMENTS OF SHOP EQUIPMENT, LIFTS AND ALIGNMENT RACK WITH OWNER AND EQUIPMENT VENDOR PRIOR TO ROUGH-IN.



KEYPLAN

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RETAIL AREA FLOOR PLAN - HVAC & PLUMBING CONNECTIONS

E-203

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