

HA\KLV\PESK\DPESKE104 20 Nov 2018 - 3:15 pm

1. ALL ROOF MOUNTED EQUIPMENT SHALL BE IN NEMA-3R ENCLOSURES.
2. ALL CONDUIT RUNS SHOWN ON THE ROOF SHALL BE RUN BELOW THE CEILING SPACE WHERE AMBIENT TEMPERATURE WILL BE BELOW 30° C. FINAL CONNECTIONS TO THE ROOF EQUIPMENT IS LIMITED TO 5'-0" OF DIRECT SOLAR EXPOSURE.
3. NOT USED.
4. VERIFY ALL FUSE SIZES AND TYPES WITH THE AIR CONDITIONING EQUIPMENT MANUFACTURER PRIOR TO INSTALLATION.
5. REVIEW THE MECHANICAL PLANS FOR THE AIR CONDITIONING CONTROL REQUIREMENTS AND SCOPE OF WORK PRIOR TO BIDDING AND INCLUDE ALL COSTS IN BID.
6. VERIFY CONNECTION POINTS OF ALL HVAC EQUIPMENT PRIOR TO INSTALLATION. PROVIDE CONTROL VOLTAGE CONNECTION TO DUCT MTD. SMOKE DETECTOR AS REQUIRED BY MECHANICAL DRAWING M-100.
7. SEE MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF MECHANICAL EQUIPMENT AND THERMOSTATS. PROVIDE RACEWAY SYSTEM FOR ALL CONTROL WIRING AS REQUIRED BY MECHANICAL DRAWING M-100.
8. G.C. COORDINATE ELECTRICAL, MECHANICAL, FIRE ALARM (IF REQUIRED) FOR INTERLOCK SEQUENCE.
9. RESTROOM EXHAUST FAN TO BE POWERED FROM BACK OF HOUSE LIGHTING CIRCUIT.

ROOF PLAN GENERAL NOTES 2

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1. ROUTE HOMERUN THROUGH LIGHTING CONTROL CONTACTOR, REFER TO DETAIL 11/E-400
2. DUCT SMOKE DETECTOR, FURNISHED BY MECHANICAL/FACORY, WIRED BY ELECTRICAL / FIRE ALARM CONTRACTOR, FURNISH AND INSTALL ALL RACEWAY, WIRING, AND ADDITIONAL ACCESSORIES REQUIRED FOR CODE COMPLIANCE AND UNIT SHUTDOWN.
3. CIRCUIT FEEDS FROM PANELBOARD - THROUGH HOOD CONTROL PANEL - UP TO ROOF. REFER TO DETAIL, SHEET 3 / E-401 & KITCHEN HOOD SUBMITTAL DATA.
4. REFER TO CONDENSING UNIT WIRING DIAGRAM, SHEET 7 / E-400.
5. STRUT RACK SUPPORT FOR EQUIPMENT DISCONNECT SWITCHES. REFER TO DETAIL, SHEET 2 / E-401.
6. PROVIDE AND INSTALL 2-1/2" DIA GALVANIZED RIGID METAL CONDUIT AND WEATHERHEAD AS SHOWN. CONDUIT TO BE STRAPPED TO CLOSEST JOIST TO THE MANAGER'S STATION (FULL DEPTH). SEE DETAIL 2/A-108.
7. DO NOT INSTALL UNTIL BACK DRAFT DAMPER INSTALLATION IS COMPLETE. UTILIZE FACTORY KNOCKOUTS FOR ELECTRICAL RUN FOR THIS FAN. REFER TO SHEET M-402.
8. MOUNT PHOTOCELL AS DETAILED ON SHEET 12/E-400 ON CONDENSER RACK.
9. STUB ELECTRICAL FEED FOR EF-1 & EF-2, THROUGH ROOF ON HINGE SIDE OF EXHAUST FANS, IN LOCATION AS SHOWN ON POWER ROOF PLAN. REFER TO DETAIL 3/M-501 FOR ADDITIONAL DETAILS.
10. FEED THROUGH FACTORY THRU BASE CONNECTION AREA. COORDINATE WITH MECHANICAL.
11. UNIT INCLUDES FACTORY MOLDED CASE DISCONNECT SWITCH (NO OCP). VERIFY WITH MECHANICAL SUBMITTAL DATA. PROVIDE DISCONNECT IF/AS REQUIRED.
12. CONTRACTOR TO PROVIDE J-BOX SHOWN BELOW ROOF DECK FOR INTERNAL ROOF DRAIN AND OVERFLOW ROOF DRAIN HEAT TRACE CABLE SYSTEM WITH THERMOSTATIC CONTROLS. COORDINATE PRECISE LOCATION AND CONNECTION WITH OWNER. SNOW MELT CABLE CONTROLLER PROVIDED WITH INTEGRAL GROUND FAULT EQUIPMENT PROTECTION (GFEIP) PER NEC 427.22. CONTRACTOR TO PROVIDE POWER PER MANUFACTURER RECOMMENDATION. REFER TO MECHANICAL SHEET 1/M-100 AND PLUMBING SHEET 1/P-101 FOR MORE INFORMATION.

ROOF PLAN KEYED NOTES 3

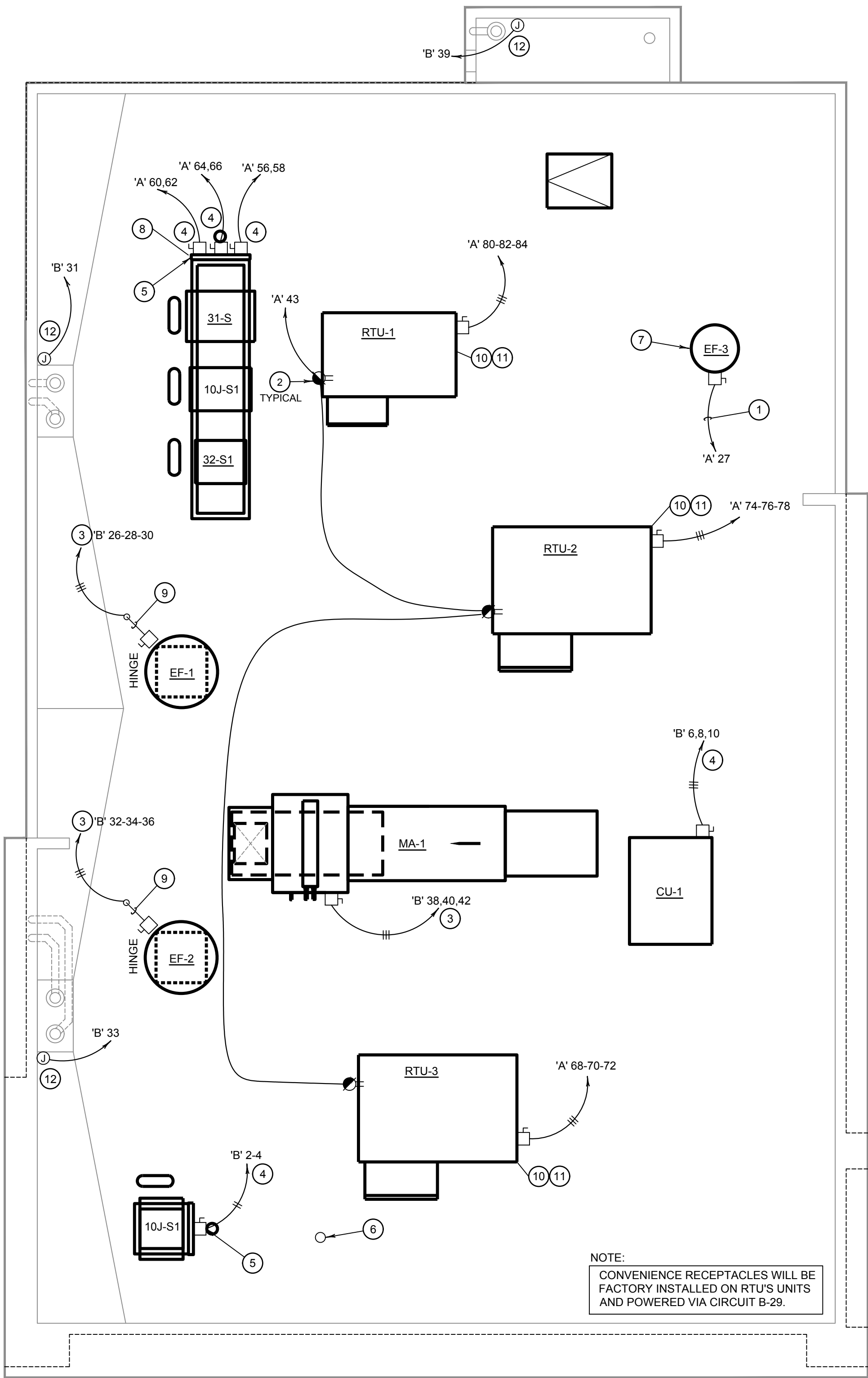
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ROOFTOP EQUIPMENT SCHEDULE									
TAG	DESCRIPTION	kW	H.P.	FLA	VOLT/Ø	WIRE, CONDUIT	CONN.	MOUNT HEIGHT	DISC. SW. WITH RK1 FUSES PER MFR'S REQ'S. AND/OR REMARKS
RTU-1	A/C UNIT			22.5	208V.3Ø	3 #8, #10 GND., 1" C.	□	AT UNIT	60A. 3P. 3F. WP 1 4
RTU-2	A/C UNIT			48	208V.3Ø	3 #4, #10 GND., 1" C.	□	AT UNIT	60A. 3P. 3F. WP 1 4
RTU-3	A/C UNIT			48	208V.3Ø	3 #4, #10 GND., 1" C.	□	AT UNIT	60A. 3P. 3F. WP 1 4
CU-1	CONDENSING UNIT			32	208V.3Ø	3 #6, #10 GND., 1" C.	□	AT UNIT	60A. 3P. 3F. WP 1
MA-1	MAKE-UP AIR UNIT	5.0	15		208V.3Ø	3 #10, #10 GND., 3/4" C.	□	AT UNIT	1 4
EF-1	EXHAUST FAN	2.0	5.9		208V.3Ø	3 #12, #12 GND., 3/4" C.	□	AT UNIT	1
EF-2	EXHAUST FAN	2.0	5.9		208V.3Ø	3 #12, #12 GND., 3/4" C.	□	AT UNIT	1
EF-3	EXHAUST FAN	0.25	4.8		120V.1Ø	2 #12, #12 GND., 3/4" C.	□	AT UNIT	30A. 2P. 1F. WP 1 4
31-S	W/I COOLER COND.	1.5	15.0		208V.1Ø	2 #12, #12 GND., 3/4" C.	□	AT UNIT	2 3
32-S1	W/I FREEZER COND.	1.5	20.0		208V.1Ø	2 #10, #10 GND., 3/4" C.	□	AT UNIT	2 3
10J-S1	ICE MACHINE COND.			11.7	208V.1Ø	2 #12, #12 GND., 3/4" C.	□	AT UNIT	2 3

- 1 DISCONNECT SWITCH FURNISHED WITH UNIT PACKAGE.
- 2 COMBINATION 30A. 2P. 2F. WP DISCONNECT SWITCH WITH RK5 FUSES PER MANUFACTURER RECOMMENDATION.
- 3 COMBINE CIRCUITRY IN 1" CONDUIT FROM J-BOX ON EQUIPMENT DISCONNECT SWITCH SUPPORT. REFER TO DETAIL THIS SHEET, 1 / E-104.
- 4 ELECTRICAL FEEDS ARE TO BE ROUTED FROM PLENUM SPACE, UP THROUGH EQUIPMENT CURB, INTO BOTTOM OF EQUIPMENT, THROUGH FACTORY INSTALLED WATER TIGHT CONNECTIONS.

HVAC EQUIPMENT SCHEDULE 4

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ROOF POWER PLAN 1

1/4" = 1'-0" E-104



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REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

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PANDA EXPRESS

TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

E-104

POWER ROOF PLAN

BID SET 11.20.2018