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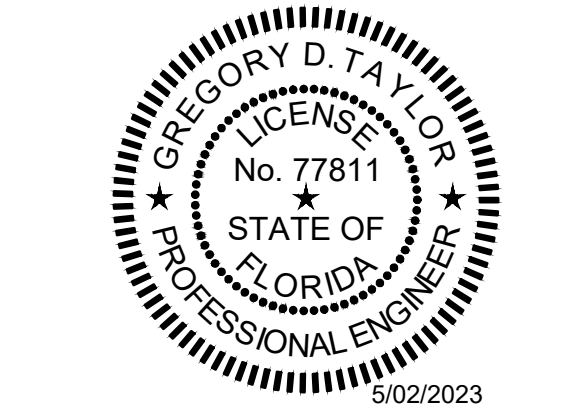
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PANDA EXPRESS

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E-104

ROOF POWER PLAN
H.V.A.C. EQUIPMENT SCHEDULE

PANDA HOME 2600 R4/DAB

- ALL ROOF MOUNTED EQUIPMENT SHALL BE IN NEMA-3R ENCLOSURES.
- ALL CONDUIT RUNS SHOWN ON THE ROOF SHALL BE RUN BELOW IN 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.
- NOT USED.
- VERIFY ALL FUSE SIZES AND TYPES WITH THE AIR CONDITIONING EQUIPMENT MANUFACTURER PRIOR TO INSTALLATION.
- REVIEW THE MECHANICAL PLANS FOR THE AIR CONDITIONING CONTROL REQUIREMENTS AND SCOPE OF WORK PRIOR TO BIDDING AND INCLUDE ALL COSTS IN BID.
- 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.
- 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.
- G.C. COORDINATE ELECTRICAL, MECHANICAL, FIRE ALARM (IF REQUIRED) FOR INTERLOCK SEQUENCE.
- RESTROOM EXHAUST FAN TO BE POWERED FROM BACK OF HOUSE LIGHTING CIRCUIT. SEE DETAIL 5 / E-400 FOR ADDITIONAL INFORMATION.

ROOF PLAN GENERAL NOTES 2

NOT TO SCALE E-104

- ROUTE HOMERUN THROUGH BACK OF HOUSE LIGHTING CIRCUIT. REFER TO LIGHTING PLAN, SHEET 1 / E-101. FAN TO BE CONTROLLED BY SWITCH FOR BACK OF HOUSE LIGHTING.
- DUCT SMOKE DETECTOR. FURNISHED BY MECHANICAL/FACTORY. WIRED BY ELECTRICAL / FIRE ALARM CONTRACTOR. FURNISH AND INSTALL ALL RACEWAY, WIRING, AND ADDITIONAL ACCESSORIES REQUIRED FOR CODE COMPLIANCE AND UNIT SHUTDOWN.
- CIRCUIT FEEDS FROM PANELBOARD - THROUGH HOOD CONTROL PANEL - UP TO ROOF. REFER TO DETAIL, SHEET 3 / E-401 & KITCHEN HOOD SUBMITTAL DATA.
- REFER TO CONDENSING UNIT WIRING DIAGRAM, SHEET 7 / E-400 'A' AND 7 / E400 'B'.
- STRUT RACK SUPPORT FOR EQUIPMENT DISCONNECT SWITCHES. REFER TO DETAIL, SHEET 2 / E-401.
- 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.
- DO NOT INSTALL UNTIL BACK DRAFT DAMPER INSTALLATION IS COMPLETE. UTILIZE FACTORY KNOCKOUTS FOR ELECTRICAL RUN FOR THIS FAN. REFER TO SHEET M-402.
- MOUNT PHOTOCELL ON CONDENSER RACK ON THE ROOF FACING NORTH. CONNECT TO LIGHTING CONTROL PANEL.
- 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.
- ROUTE POWER FEEDS VIA FACTORY PROVIDED THRU-BASE CONNECTION AREA. COORDINATE WITH MECHANICAL.
- UNIT INCLUDES FACTORY MOLDED CASE DISCONNECT SWITCH (NO OCP). VERIFY WITH MECHANICAL SUBMITTAL DATA. PROVIDE DISCONNECT IF / AS REQUIRED.
- CONVENIENCE RECEPTACLES WILL BE FACTORY INSTALLED ON RTU UNITS AND POWERED VIA CIRCUIT B-29. PROVIDE METAL IN-USE COVER.

ROOF PLAN KEYED NOTES 3

NOT TO SCALE E-104

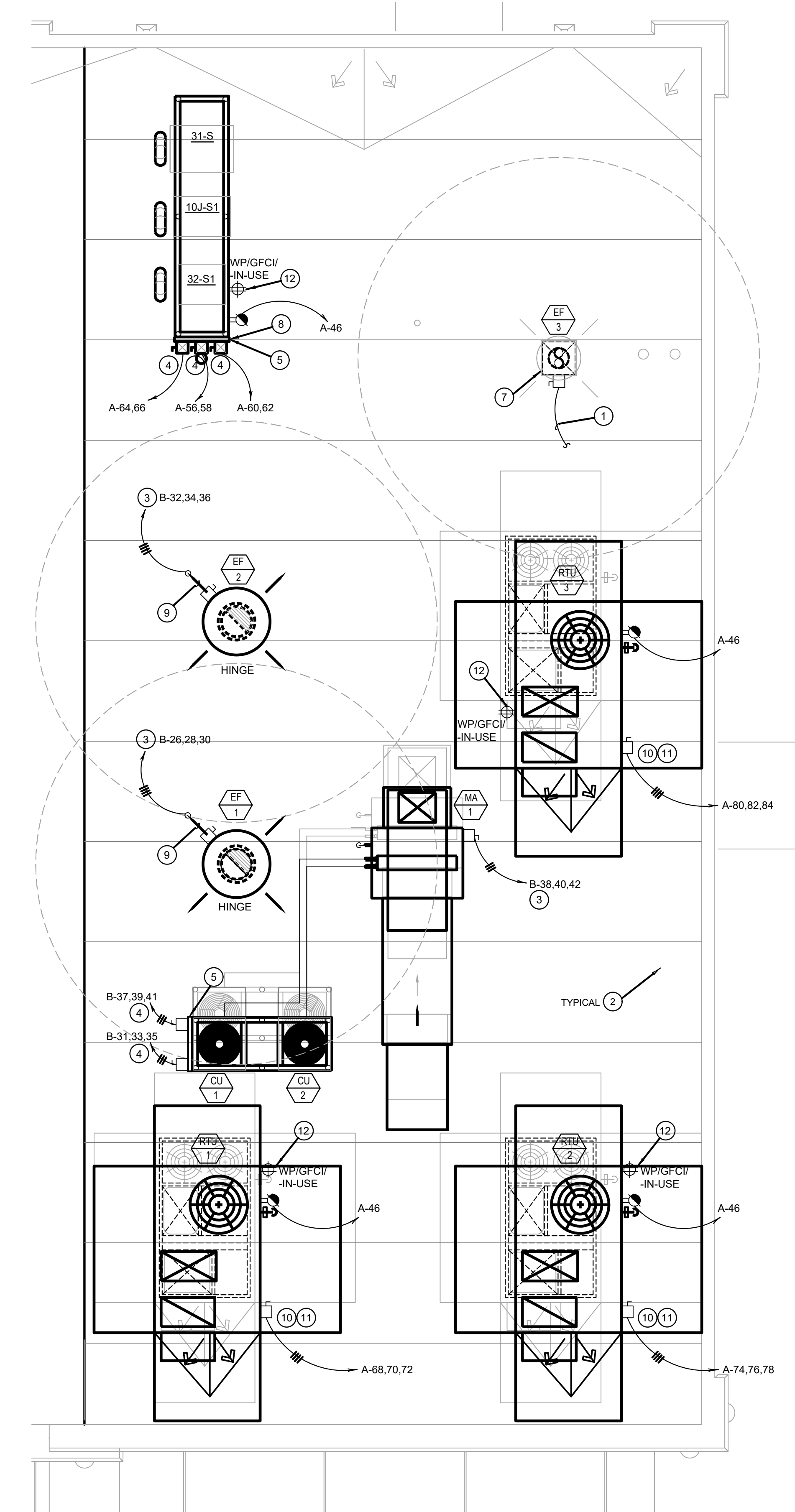
ROOFTOP EQUIPMENT SCHEDULE

TAG	DESCRIPTION	kW	H.P.	FLA	VOLT/Ø	WIRE, CONDUIT	CONN	MOUNT	DISC. SW. WITH RK1 FUSES PER MFR'S REQ'S. AND/OR REMARKS
RTU1	A/C UNIT			43	208V.3Ø	3 #6, #10 GND., 1" C.		AT UNIT	60A. 3P. 3F. WP (1) (4)
RTU2	A/C UNIT			43	208V.3Ø	3 #6, #10 GND., 1" C.		AT UNIT	60A. 3P. 3F. WP (1) (4)
RTU3	A/C UNIT			43	208V.3Ø	3 #6, #10 GND., 1" C.		AT UNIT	60A. 3P. 3F. WP (1) (4)
CU-1	CONDENSING UNIT			16	208V.3Ø	3 #10, #10 GND., 1" C.		AT UNIT	30A. 3P. 3F. WP
CU-2	CONDENSING UNIT			16	208V.3Ø	3 #10, #10 GND., 1" C.		AT UNIT	30A. 3P. 3F. WP
MA-1	MAKE-UP AIR UNIT	5.0	16.7	208V.3Ø	3 #10, #10 GND., 3/4" C.			AT UNIT	(1) (4)
EF-1	EXHAUST FAN	3.0	10.6	208V.3Ø	3 #10, #10 GND., 3/4" C.			AT UNIT	(1)
EF-2	EXHAUST FAN	3.0	10.6	208V.3Ø	3 #10, #10 GND., 3/4" C.			AT UNIT	(1)
EF-3	EXHAUST FAN	1/4	5.8	120V.1Ø	2 #12, #12 GND., 3/4" C.			AT UNIT	(1) (4)
31-S	W/I COOLER COND.			13.6	208V.1Ø	2 #10, #10 GND., 3/4" C.		AT UNIT	(2) (3)
32-S1	W/I FREEZER COND.			23.8	208V.1Ø	2 #8 #10 GND., 3/4" C.		AT UNIT	60A. 2P. 2F. WP (3) (5)
10J-S1	ICE MACHINE COND.			11.8	208V.1Ø	2 #12, #12 GND., 3/4" C.		AT UNIT	(2) (3)

- (1) DISCONNECT SWITCH PROVIDED WITH UNIT.
(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 2 / E-401.
(4) ELECTRICAL FEEDS ARE TO BE ROUTED FROM PLENUM SPACE, UP THROUGH EQUIPMENT CURB, INTO BOTTOM OF EQUIPMENT, THROUGH FACTORY INSTALLED WATER TIGHT CONNECTIONS.
(5) WP DISCONNECT SWITCH WITH RK5 FUSES PER MANUFACTURER RECOMMENDATION.

HVAC EQUIPMENT SCHEDULE 4

Scale: NOT TO SCALE E-104



ROOF POWER PLAN 1

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