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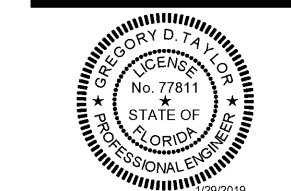
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**A Full Service A & E Firm**



**PANDA EXPRESS**  
WARM & WELCOME 2200  
ATLANTIC BLVD & MARKETPLACE DR  
JACKSONVILLE, FL 32225

**E-104**

ROOF POWER PLAN

TRUE WARM & WELCOME 2200

- ALL ROOF MOUNTED EQUIPMENT SHALL BE IN NEMA-3R ENCLOSURES.
- 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.
- 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/FACILITY, 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.
- 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 RUNS FOR THIS FAN. REFER TO SHEET M-402.
- MOUNT PHOTOCELL ON CONDENSER REFRIG IN THE ROOF FACING NORTH. CONNECT TO LIGHTING CONTROL.
- STUB ELECTRICAL FEED FOR EF-1 & EF-2 THROUGH ROOF ON HINGE SIDE OF EXHAUST DUCTS. IN LOCATION AS SHOWN ON MECHANICAL ROOF PLAN. REFER TO DETAIL 3/M-500 FOR ADDITIONAL DETAILS.
- ROUTE POWER FEEDS TO FACTORY PROVIDED THRU-BASE CONNECTION AREA. COORDINATE WITH MECHANICAL.
- UNIT INCLUDES FACTORY MOLDED BASE DISCONNECT SWITCH (NO OCP). VERIFY WITH MECHANICAL SUBMITTAL DATA. PROVIDE DISCONNECT IF / AS REQUIRED.

**ROOF PLAN KEYED NOTES 3**

NOT TO SCALE E-104

ROOFTOP EQUIPMENT SCHEDULE									
TAG	DESCRIPTION	KW	H.P.	MCA	VOLT/Ø	WIRE, CONDUIT	CONN.	MOUNT HEIGHT	DISC. SW WITH RK1 FUSES PER MFR'S REQ'S. AND/OR REMARKS
RTU1	A/C UNIT		33.0		208V.3Ø	3 #6, #10 GND., 1" C.	□	AT UNIT	60A. 3P. 3F. WP (1) (4)
RTU2	A/C UNIT		46.0		208V.3Ø	3 #6, #10 GND., 1" C.	□	AT UNIT	60A. 3P. 3F. WP (1) (4)
RTU3	A/C UNIT		46.0		208V.3Ø	3 #6, #10 GND., 1" C.	□	AT UNIT	60. 3P. 3F. WP (1) (4)
1	CONDENSING UNIT			32.0	208V.3Ø	3 #6, #10 GND., 1" C.	□	AT UNIT	60A. 3P. 3F. WP (1)
MA-1	MAKE-UP AIR UNIT	5.0	15.0		208V.3Ø	3 #12, #12 GND., 3/4" C.	□	AT UNIT	(1) (4)
EF-1	EXHAUST FAN	2.0	7.8		208V.3Ø	3 #12, #12 GND., 3/4" C.	□	AT UNIT	(1)
EF-2	EXHAUST FAN	2.0	7.8		208V.3Ø	3 #12, #12 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	30A. 2P. 1F. WP (1) (4)
31-S	W/ COOLER COND.	1.5	15.0		208V.1Ø	2 #12, #12 GND., 3/4" C.	☒	AT UNIT	(2) (3)
32-S1	W/ FREEZER COND.	1.5	20.0		208V.1Ø	2 #10 #10 GND., 3/4" C.	☒	AT UNIT	(2) (3)
10J-S1	ICE MACHINE COND.		11.8		208V.1Ø	2 #12, #12 GND., 3/4" C.	☒	AT UNIT	(2) (3)

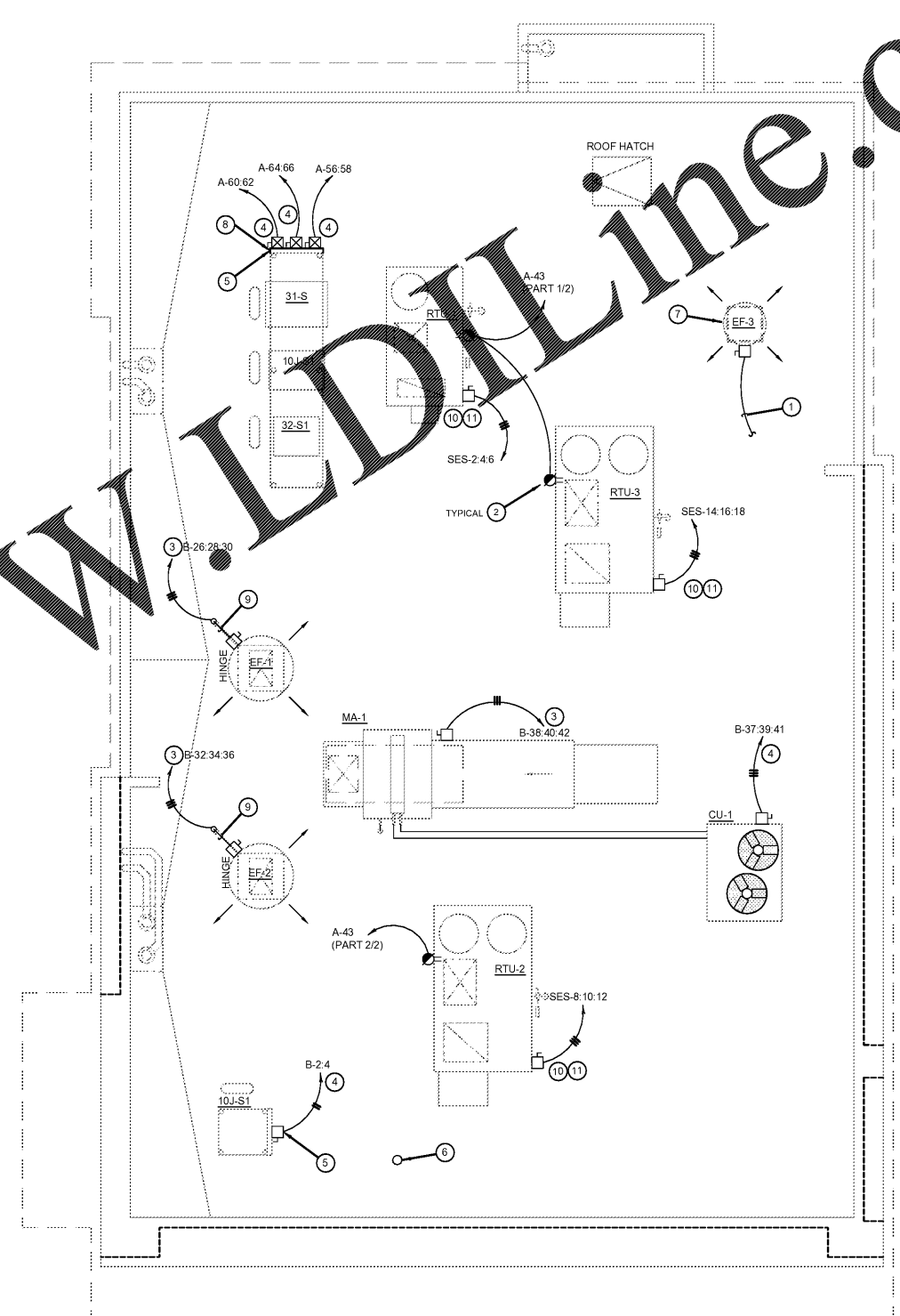
- DISCONNECT SWITCH PROVIDED WITH UNIT.
- COMBINATION 30A. 2P. 2F. WP DISCONNECT SWITCH WITH RK5 FUSES PER MANUFACTURER RECOMMENDATION.
- COMBINE CIRCUITRY IN 1" CONDUIT FROM J-BOX ON EQUIPMENT DISCONNECT SWITCH SUPPORT. REFER TO DETAIL 2/E-401.
- ELECTRICAL FEEDS ARE TO BE ROUTED FROM PLENUM SPACE, UP THROUGH EQUIPMENT CURB, INTO BOTTOM OF EQUIPMENT, THROUGH FACTORY INSTALLED WATER TIGHT CONNECTIONS.

**HVAC EQUIPMENT SCHEDULE 4**

NOT TO SCALE E-104

**ROOF POWER PLAN 1**

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



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