

- 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/E400 FOR ADDITIONAL INFORMATION.

ROOF PLAN GENERAL NOTES 2
NOT TO SCALE E-104

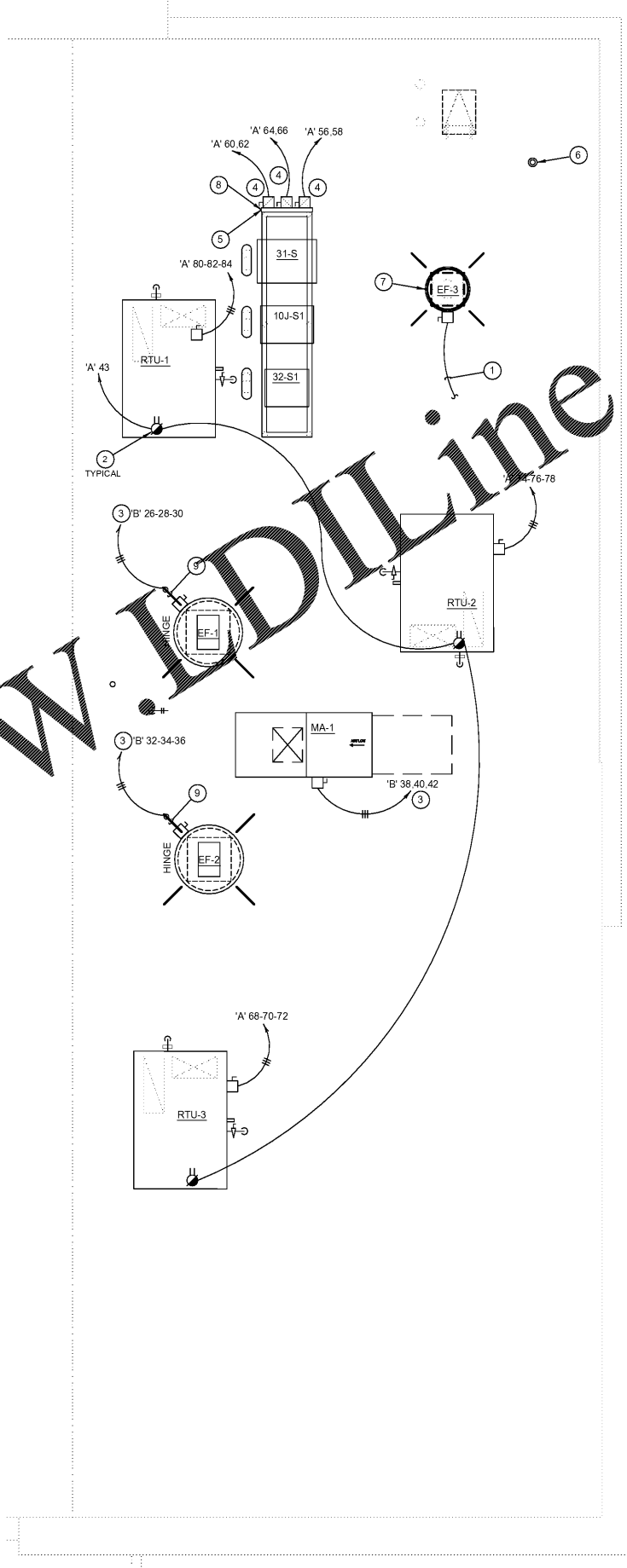
- ROUTE HOMERUN THROUGH BACK OF HOUSE LIGHTING CIRCUIT. REFER TO LIGHTING PLAN, SHEET 1 / E-101. FAN TO BE CONTROLLED BY SWITCH FOR BACK OF HOUSE LIGHTING.
- 120VAC DUCT-MOUNTED SMOKE DETECTOR - LOCATION PER MECHANICAL. CONFIGURE FOR HVAC SYSTEM UNIT SHUT-DOWN.
- ROUTE CIRCUITRY THROUGH HOOD CONTROL PANEL 'M4'. REFER TO DETAIL, SHEET 3 / E-401.
- 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. FIELD VERIFY LOCATION WITH OWNER'S REPRESENTATIVE.
- 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 PHOTOCCELL AS DETAILED ON SHEET 11-E400 ON CONDENSING RACK.
- STUB ELECTRICAL FEED FOR EF-1 & EF-2, THROUGH ROOF ON THE SIDE OF EXHAUST FANS. IN LOCATION AS SHOWN ON POWER ROOF PLAN. REFER TO DETAIL 3/M-501 FOR ADDITIONAL DETAILS.

ROOF PLAN KEYED NOTES 3
NOT TO SCALE E-104

ROOFTOP EQUIPMENT SCHEDULE									
TAG	DESCRIPTION	KVA	FL	VOLTR	WIRE, CONDUIT	CONN	MOUNT HEIGHT	DISC. SW WITH RK1 FUSES PER MFR'S REQ'S. AND/OR REMARKS	
RTU-1	C UNIT (EXISTING)	16	49.0	208V.3Ø	3 #6, #10 GND., 1" C.	□	AT UNIT	60A 3P. 3F. WP ①④	
RTU-2	C UNIT (EXISTING)	17.6	49.0	208V.3Ø	3 #6, #10 GND., 1" C.	□	AT UNIT	60A 3P. 3F. WP ①④	
RTU-3	A/C UNIT (EXISTING)	17.6	49.0	208V.3Ø	3 #6, #10 GND., 1" C.	□	AT UNIT	60A 3P. 3F. WP ①④	
MA-1	MAKE-UP AIR UNIT	3.0	8.7	208V.3Ø	3 #12, #12 GND., 3/4" C.	□	AT UNIT	①④	
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	1/4	4.8	120V.1Ø	2 #12, #12 GND., 3/4" C.	□	AT UNIT	30A 2P. 1F. WP ①④	
31-S	W/ COOLER COND.	1.5	15.0	208V.1Ø	2 #12, #12 GND., 3/4" C.	☒	AT UNIT	②③	
32-S1	W/ FREEZER COND.	1.5	20.0	208V.1Ø	2 #10, #10 GND., 3/4" C.	☒	AT UNIT	②③	
10J-S1	ICE MACHINE COND.		11.7	208V.1Ø	2 #12, #12 GND., 3/4" C.	☒	AT UNIT	②③	

- DISCONNECT SWITCH PROVIDED WITH UNIT.
- COMBINATION 30A 2P. 2F. WP DISCONNECT SWITCH WITH RKS FUSES PER MANUFACTURER RECOMMENDATION.
- COMBINE CIRCUITRY IN 1" CONDUIT FROM J-BOX ON EQUIPMENT DISCONNECT SWITCH SUPPORT. REFER TO DETAIL THIS SHEET, 1 / E-104.
- 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



NOTE:
CONVENIENCE RECEPTACLES WILL BE FACTORY INSTALLED ON RTU'S UNITS AND POWERED VIA CIRCUIT B-29.

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REVISIONS:
A 08.08.19 ISSUE FOR BID

ISSUE DATE:
1 05.29.19 ISSUE FOR PERMIT
2 08.08.19 ISSUE FOR BID

DRAWN BY: JEL

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08.08.2019

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E-104

ROOF POWER PLAN

ROOF POWER PLAN 1
1/4" = 1'-0" E-104

