

**BULLOCH CO.
HVAC
REPLACEMENT**

STATESBORO, GA

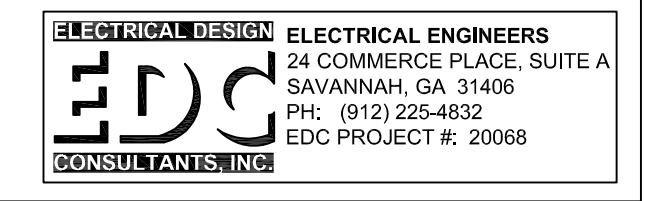


REVISION	DATE

SHEET TITLE:
**MECHANICAL POWER
PLAN - MAGISTRATE
COURT**

DRAWN BY: BWN CHECKED BY: BWN DATE: 02/12/21

FILE NUMBER: 20106 SHEET: **E101**



GENERAL NOTES:

- ALL MECHANICAL UNITS SHOWN WITHIN THIS SET OF DRAWINGS ARE A ONE FOR ONE REPLACEMENT UNLESS OTHERWISE NOTED. THE DRAWINGS ARE INTENDED TO PROVIDE A SCOPE OF THE DEMOLITION/NEW WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION OF ALL EXISTING MECHANICAL UNITS AND THE RE-CONNECTION OF ALL NEW/REPLACEMENT MECHANICAL UNITS. COORDINATE EXACT LOCATION AND CONNECTION POINTS OF ALL MECHANICAL EQUIPMENT WITH DIVISION 23 PRIOR TO ROUGH IN. VERIFY EXACT LOCATIONS OF MECHANICAL UNITS WITH MECHANICAL DRAWINGS. PROVIDE A NEW DISCONNECT FOR EACH NEW UNIT. ADJUST LOCATION OF DISCONNECTING MEANS AND BRANCH CIRCUITRY AS REQUIRED.
- FIELD VERIFY THAT EXISTING UNIT VOLTAGE, CIRCUIT, WIRE, CONDUIT, AND ELECTRICAL CHARACTERISTICS MATCH MECHANICAL EQUIPMENT SPECIFICATIONS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
- COORDINATE EXACT LOCATION AND CONNECTION POINTS OF ALL MECHANICAL UNITS PRIOR TO ROUGHING IN.
- CONTRACTOR SHALL FIELD VERIFY DESIGNATION OF EACH NEW UNIT AND UPDATE AFFECTED PANELBOARD DIRECTORIES AS NECESSARY TO CORRECTLY REFLECT UNITS SERVED FROM EACH PANEL.
- PROVIDE ENGRAVED LABEL AT EACH DISCONNECT NOTING UNIT DESIGNATION, VOLTAGE/PHASE AND PANEL/CIRCUIT NUMBER SERVING UNIT. SEE DETAIL 2E101.
- FIELD VERIFY EXACT LOCATION OF ALL EXISTING PANELS.
- FIELD VERIFY EXISTING CIRCUITS SERVING UNITS MATCH THE ELECTRICAL REQUIREMENTS FROM THE UNIT MANUFACTURER. SEE NOTE 2 ABOVE.
- LOCATE DISCONNECT AT UNIT AS REQUIRED TO MAINTAIN PROPER CLEARANCES PER NEC.
- RECONNECT EXISTING CONDUIT/WIRE TO NEW UNIT DISCONNECT. CONNECT NEW DISCONNECT TO NEW UNIT CONNECTION POINT WITH NEW EXTERIOR FLEXIBLE CONDUIT/WIRE TO MATCH EXISTING SIZE.
- ALL EXTERIOR FLEXIBLE CONDUIT SHALL BE METALLIC WATERPROOF.
- THE ELECTRICAL DRAWINGS ARE ONLY A PART OF THE CONTRACT DOCUMENTS. ALL OF THE DRAWINGS AND SPECIFICATIONS MUST BE REVIEWED FOR THEIR INTERRELATIONSHIP AND REQUIRED COORDINATION BETWEEN DISCIPLINES.
- DIVISION 26 CONTRACTOR SHALL WARRANTY ALL EQUIPMENT AND INSTALLATION OF SUCH FOR TWO (2) YEARS FROM DATE OF PROJECT ACCEPTANCE. WARRANTY APPLIES TO ENTIRE DIVISION 26 SCOPE.
- SCOPE OF THE FIRE ALARM SYSTEM ON THIS PROJECT IS REPLACEMENT OF EXISTING DUCT DETECTORS IN UNITS BEING REPLACED. MANUFACTURER SHALL MATCH EXISTING FIRE ALARM SYSTEM. **NO EQUALS WILL BE EXCEPTED.** RECONNECT NEW DEVICES TO EXISTING FIRE ALARM CIRCUITS.

KEYED NOTES:

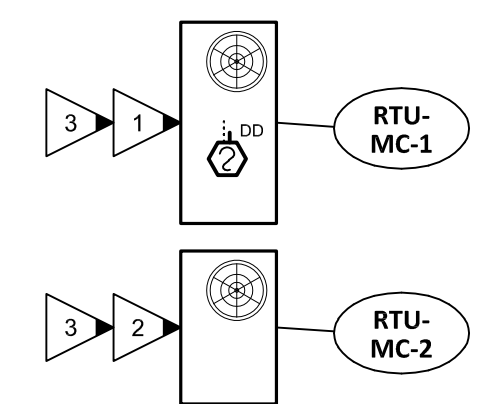
- EXISTING ROOFTOP UNIT TO BE REPLACED WITH NEW UNIT. DISCONNECT AND REMOVE EXISTING DISCONNECT AND ASSOCIATED CONDUCTORS AND RACEWAY BETWEEN DISCONNECT AND MECHANICAL UNIT. PROVIDE NEW 60A/2P FUSED DISCONNECT (FUSED AT 60 AMPS) AND CONNECT TO NEW UNIT CONNECTION POINT WITH NEW EXTERIOR FLEXIBLE CONDUIT/WIRE TO MATCH EXISTING SIZE. DISCONNECT SHALL BE NEMA 3R, 240V RATED.
- EXISTING ROOFTOP UNIT TO BE REPLACED WITH NEW UNIT. DISCONNECT AND REMOVE EXISTING DISCONNECT AND ASSOCIATED CONDUCTORS AND RACEWAY BETWEEN DISCONNECT AND MECHANICAL UNIT. PROVIDE NEW 60A/2P FUSED DISCONNECT (FUSED AT 60 AMPS) AND CONNECT TO NEW UNIT CONNECTION POINT WITH NEW EXTERIOR FLEXIBLE CONDUIT/WIRE TO MATCH EXISTING SIZE. DISCONNECT SHALL BE NEMA 3R, 240V RATED.
- PROVIDE NEW ROOFTOP MOUNTED RACK FOR NEW DISCONNECTS.

MECHANICAL UNIT POWER DATA	NOTES
UNIT NAME: RTU-MC-1	N
VOLTAGE/PHASE: 208/3	
PANEL: A	
BREAKER: 25A/3P	
DISCONNECT: 100A/3P (100A FUSES)	RD
NEW UNIT DATA:	SD
VOLTAGE/PHASE: 208/3	
BREAKER: 25A/3P	EB
DISCONNECT: 60A/2P (60A FUSES)	ND
CIRCUIT REQUIREMENTS:	EC

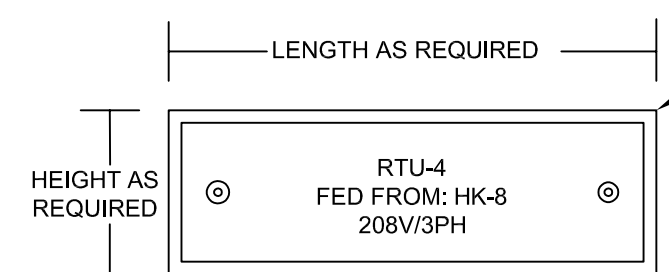
MECHANICAL POWER UNIT DATA NOTES: (THIS SHEET ONLY)

- N- NEW UNIT
- EB- EXISTING BREAKER TO BE REUSED
- EC- EXISTING CIRCUIT TO BE REUSED. SEE GENERAL NOTE 7.
- RD- EXISTING DISCONNECT TO BE REPLACED.
- ND- NEW DISCONNECT. FUSE PER UNIT NAMEPLATES. SEE DETAIL 2E101.
- SD- PROVIDE DUCT SMOKE DETECTION IN SUPPLY DUCT. QUANTITY AS REQUIRED. SEE GENERAL NOTE 13. 1/2"

MECHANICAL UNIT POWER DATA	NOTES
UNIT NAME: RTU-MC-2	N
VOLTAGE/PHASE: 208/1	
PANEL: A	
BREAKER: 60A/2P	
DISCONNECT: 60A/2P	RD
NEW UNIT DATA:	SD
VOLTAGE/PHASE: 208/1	
BREAKER: 60A/2P	EB
DISCONNECT: 60A/2P (60A FUSES)	ND
CIRCUIT REQUIREMENTS:	EC



FOR DISCONNECTS:



POWER LABEL SHALL BE: BLACK PHENOLIC PLATE WITH ENGRAVED WHITE LETTERING, POP RIVETED TO EQUIPMENT

NOTE: DESIGNATIONS ARE FOR REFERENCE ONLY. LABELING SHALL BE OF EQUIPMENT BEING SERVED.

2 EQUIPMENT IDENTIFICATION TAG DETAIL
E101 SCALE: NOT TO SCALE

1 MECHANICAL POWER PLAN - MAGISTRATE COURT
E101 SCALE: 1/8"=1'-0"

A
B
C
D
E
F

A
B
C
D
E
F

1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8

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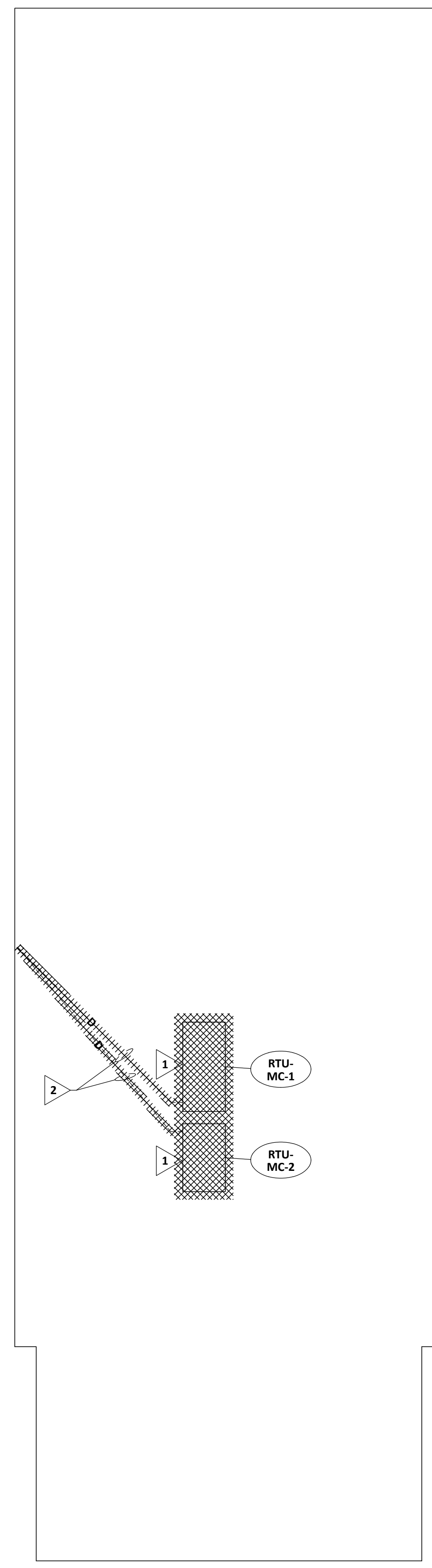


REVISION	DATE

SHEET TITLE:
HVAC PLAN -
MAGISTRATE COURT

DRAWN BY: **WDP** CHECKED BY: **JMF** DATE: **02/12/21**

FILE NUMBER: **20106** SHEET: **M101**



HVAC ROOF PLAN
M101
NO SCALE

CONSTRUCTION NOTES

- (THIS SHEET ONLY):
- 1 DEMOLISH AND REPLACE PACKAGED ROOFTOP UNIT. REMOVE RUST, PREP AND PAINT ALL ROOFTOP GAS PIPING. PAINT PIPING WITH ONE COAT OF EXTERIOR ENAMEL PRIMER AND TWO COATS OF YELLOW EXTERIOR ENAMEL PAINT. REPLACE ROOFTOP PIPING SUPPORTS WITH PREFABRICATED SUPPORTS APPROPRIATE FOR ROOF TYPE. REPLACE EXISTING THERMOSTATS WITH 7-DAY PROGRAMMABLE THERMOSTAT.
 - 2 DEMOLISH AND REPLACE ALL EXISTING ROOFTOP UNIT CONDENSATE DRAIN PIPING WITH NEW PVC PIPING. SUPPORT PIPING WITH PRE-MANUFACTURED SUPPORTS APPROPRIATE FOR ROOF TYPE.

REFERENCE SCALE
1/4" = 1' 1/2" = 2' 3/4" = 3'

PLOT DATE: 02/12/21
FILENAME: 20106M1
PLOT SCALE: 1 = 96
WGC

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