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FOR REVIEW

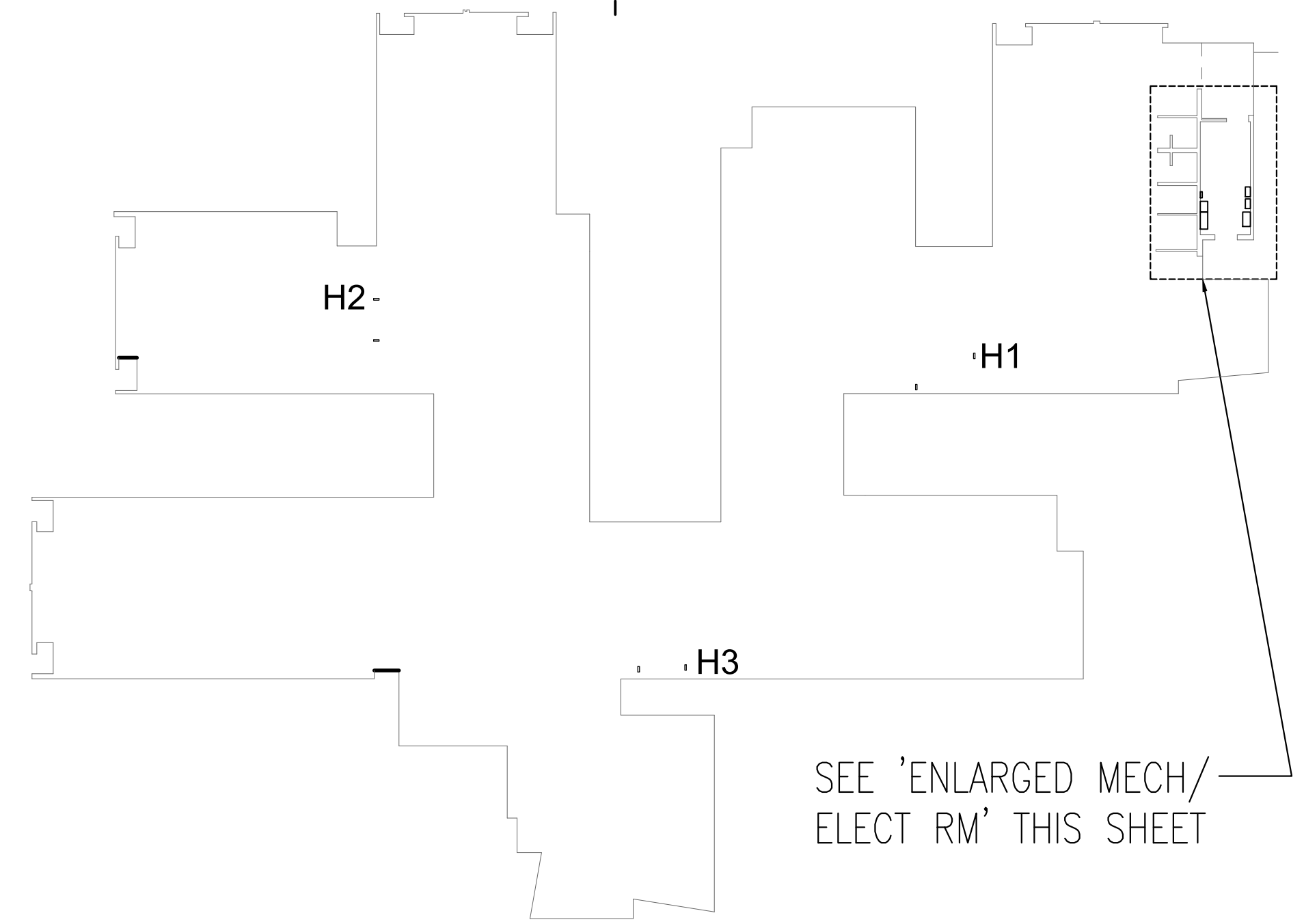
Jackson County BOCC  
**JACKSON COUNTY HEALTH  
DEPARTMENT EMERGENCY  
POWER MODIFICATIONS**  
4979 Healthy Way  
Marianna, FL. 32446

No.	Description	Date

PROJECT NUMBER: 2020-066  
DATE: 01-29-2021  
DRAWN BY: ALD  
DESIGNED BY: ALD

**POWER RISER DIAGRAM,  
GENERAL NOTES**

**E100**

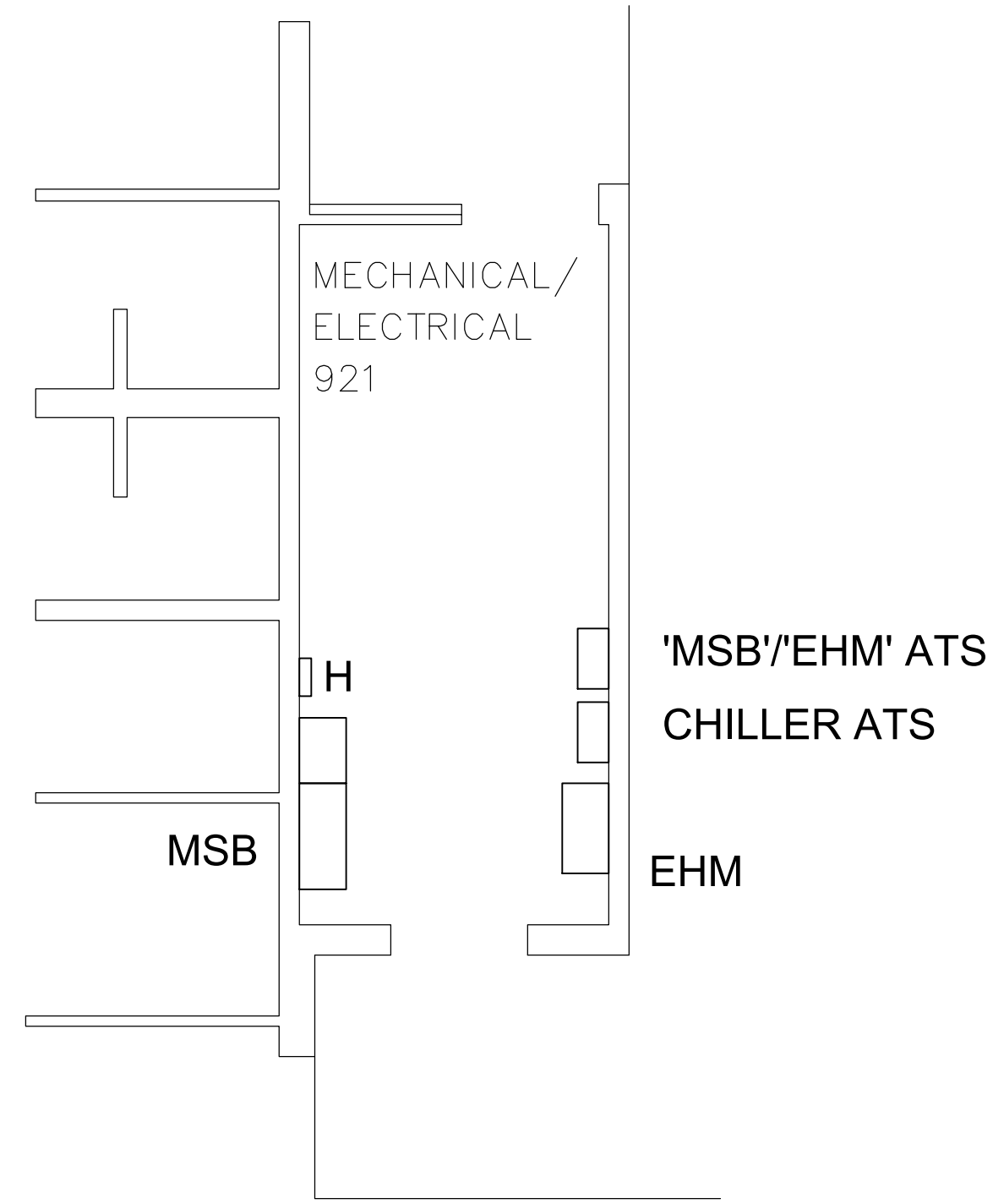


**OVERALL BUILDING PLAN**  
N.T.S.

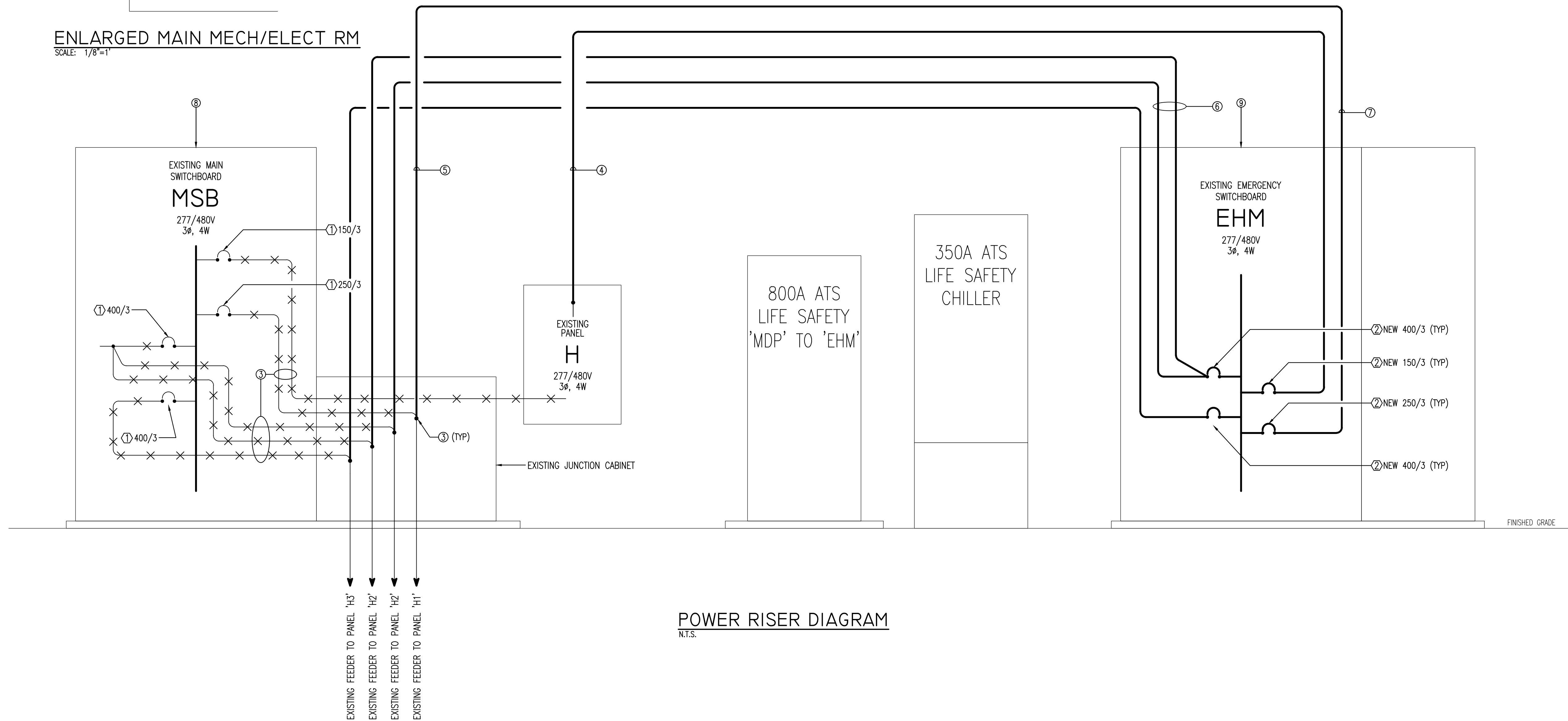
**GENERAL NOTE(S)**  
1. WORK TO BE PERFORMED AFTER-HOURS EITHER AT NIGHT OR WEEKENDS. PRIOR TO CONSTRUCTION, EC TO COORDINATE WITH FACILITIES MANAGER (JAMES WATKINS) TO SCHEDULE REQUIRED OUTAGES.

**ELECTRICAL LOAD ANALYSIS**  
1. FLORIDA PUBLIC UTILITIES (FPU) RECORDED THE PEAK DEMAND ON THE EXISTING ELECTRICAL SERVICE FROM 12/01/2015 TO 07/01/2019 TO BE 278KW (335 AMPS). THIS DEMAND IS INCLUSIVE OF THE BUILDING DEMAND PLUS THE CHILLER DEMAND AS WELL. THE SWITCHGEAR 'EHM' IS SERVED FROM THE EMERGENCY GENERATOR BY A 600/3 BREAKER (VIA 800A ATS) AND THE CHILLER BY A 350/3 BREAKER (VIA 350A ATS). THE GENERATOR RATING IS 500KW AT 480V, 3Ø. BASED ON THE PEAK DEMAND REFERENCED ABOVE, THE GENERATOR/EHM/ATS AND ASSOCIATE EQUIPMENT HAS FAR MORE CAPACITY THAN THE TOTAL LOAD IT WILL CARRY UPON COMPLETION OF CONSTRUCTION.

- KEYNOTES:**
- ① EXISTING BREAKER TO REMAIN AND LABELED AS 'SPARE'
  - ② FURNISH NEW ADJUSTABLE BREAKER AT RATED AMPERAGE. AIC TO MATCH EXISTING RATING OF 35KA.
  - ③ EC TO FURNISH/INSTALL INSULATED POLARIS LUGS SIZED ACCORDINGLY FOR CONNECTION OF EXISTING FEEDER TO NEW FEEDER CABLE TO SWITCHBOARD 'EHM'. EXISTING CABLE TO BE REMOVE FROM LOAD SIDE OF EXISTING BREAKER AND RE-ROUTED INTO JUNCTION BOX FOR CONNECTION TO NEW FEEDER.
  - ④ 4#1,1#6GND IN 2"Ø
  - ⑤ 4#250MCM,1#4GND IN 3"Ø
  - ⑥ 4#3/0,1#2GND IN 2-1/2"Ø
  - ⑦ 4#500MCM,1#1/0GND IN 4"Ø
  - ⑧ SQUARE D 1600A M.B., 277/480V, 3Ø, 4W SWITCHGEAR
  - ⑨ SQUARE D I-LINE TYPE 'HCP' 600A M.B., 277/480V, 3Ø, 4W SWITCHGEAR



**ENLARGED MAIN MECH/ELECT RM**  
SCALE: 1/8"=1'



**POWER RISER DIAGRAM**  
N.T.S.

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