

ELECTRICAL NOTES:

INDICATED BY THE  SYMBOL ON THE DRAWINGS. (I.E.  INDICATES NOTE 1)

NOTE 1: EXISTING PUMPS P3 & P4 WHICH ARE CURRENTLY FED FROM NON-EMERGENCY PANEL "3P1A" SHALL BE RE-FED FROM EMERGENCY PANEL "E3P1A". RELOCATE EXISTING CIRCUIT BREAKERS AND MOUNTING HARDWARE FROM PANEL "3P1A" TO PANEL "E3P1A" AND RE-WIRE FROM PANEL TO RESPECTIVE VFD WITH 3#10+1#12B-21mmc. REDUNDANT WIRING TO BE REMOVED.

NOTE 2: EXISTING PUMPS P5, P6, P7 & P8 WHICH ARE CURRENTLY FED FROM NON-EMERGENCY PANEL "3P1A" SHALL BE RE-FED FROM EMERGENCY PANEL "E3P1A". RELOCATE EXISTING CIRCUIT BREAKERS AND MOUNTING HARDWARE FROM PANEL "3P1A" TO PANEL "E3P1A" AND RE-WIRE FROM PANEL TO RESPECTIVE VFD WITH 3#12+1#12B-21mmc. REDUNDANT WIRING TO BE REMOVED.

NOTE 3: EXISTING BAS PANEL (CCT# P1B-55) TO BE RE-FED FROM A NEW 1P-15A BREAKER IN PANEL "E3P1A" (CCT# 9). NEW BREAKER FRAME TO MATCH EXISTING. REDUNDANT CIRCUITRY TO BE REMOVED.

NOTE 4: EXISTING BAS PANEL (CCT# P1B-59) TO BE RE-FED FROM A NEW 1P-15A BREAKER IN PANEL "E3P1A" (CCT# 11). NEW BREAKER FRAME TO MATCH EXISTING. REDUNDANT CIRCUITRY TO BE REMOVED.

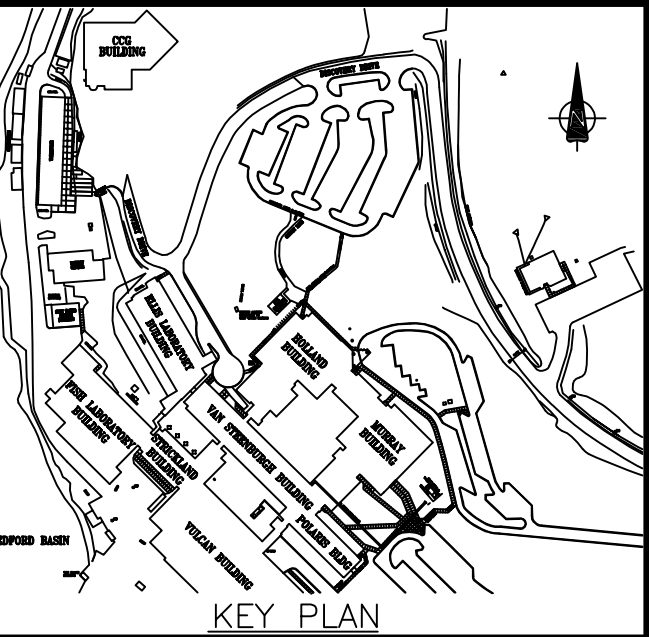
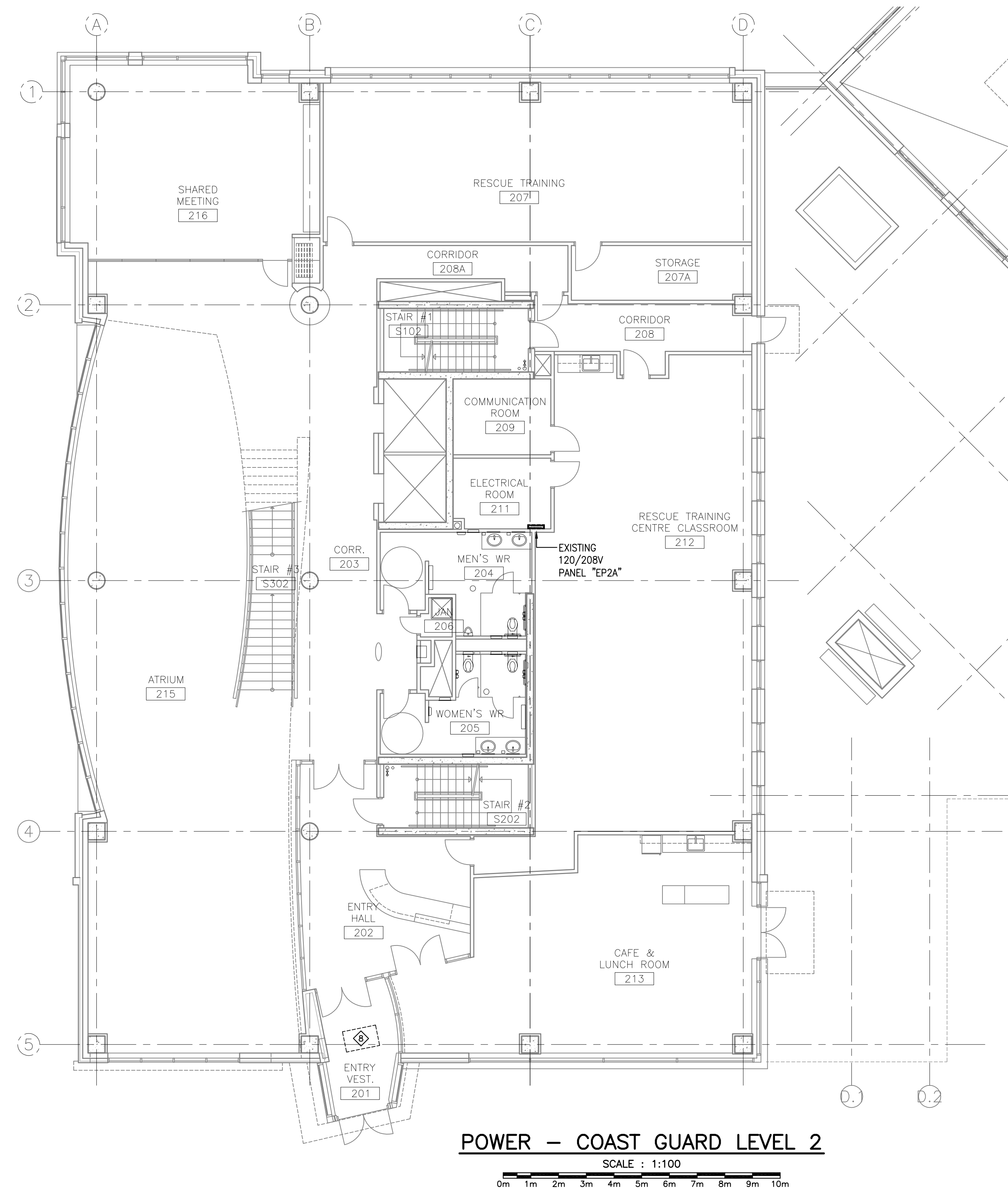
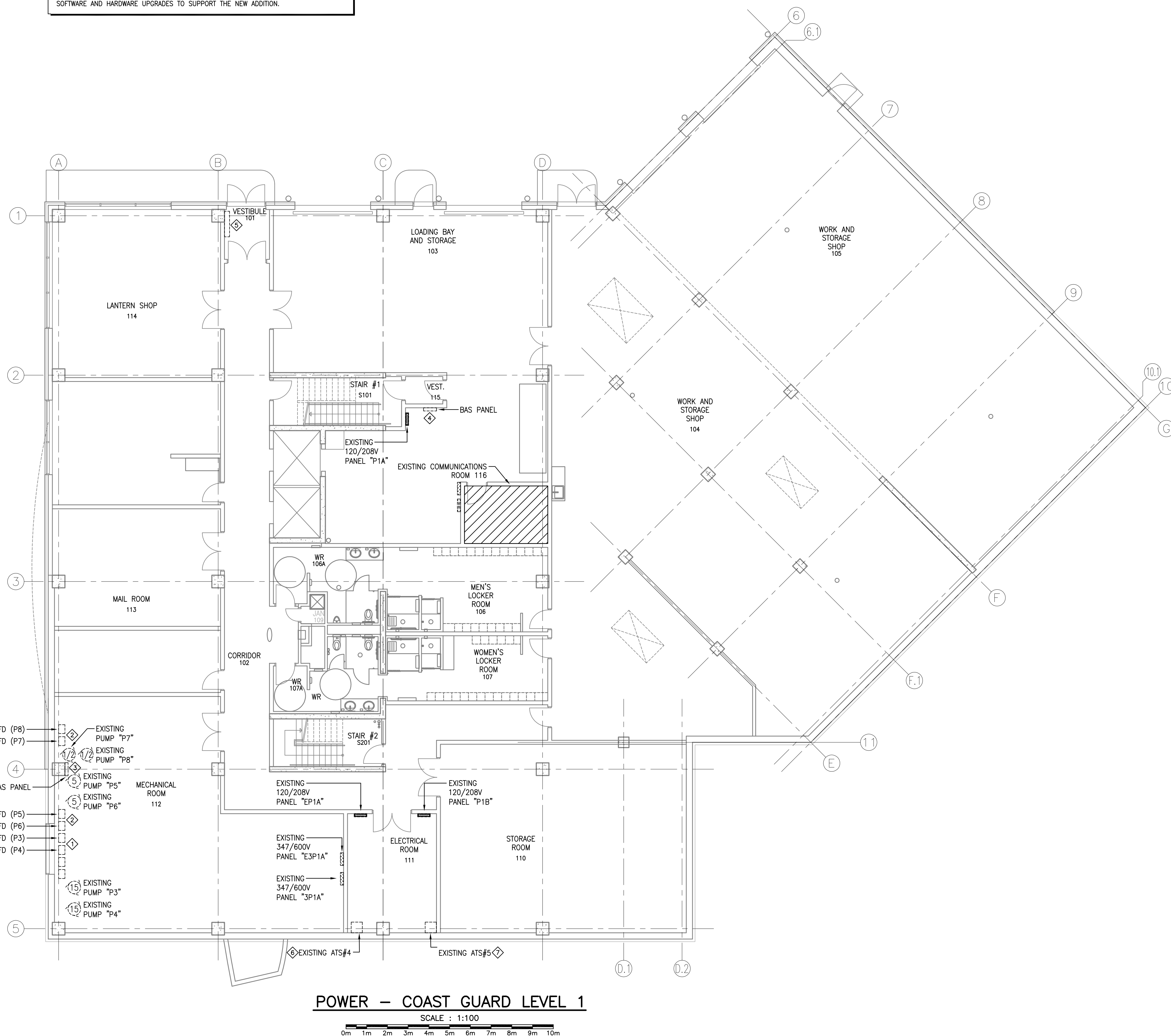
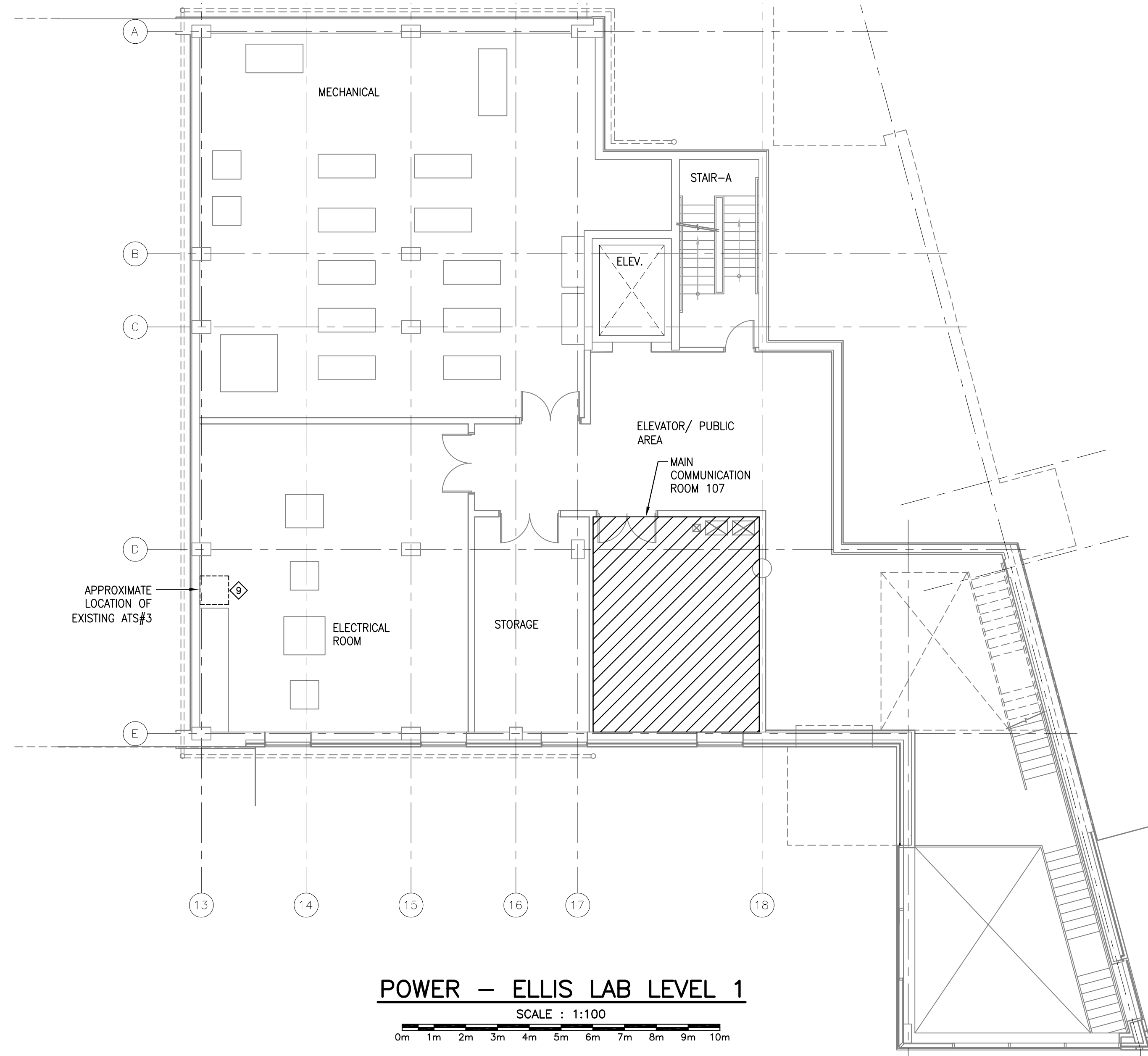
NOTE 5: EXISTING VESTIBULE FORCE FLOW HEATER TO BE RE-FED FROM A NEW 1P-15A BREAKER IN PANEL "E3P1A" (CCT# 2). NEW BREAKER FRAME TO MATCH EXISTING. REDUNDANT CIRCUITRY TO BE REMOVED.

NOTE 6: ATS#4 IS EXISTING AND INCLUDES AN EXISTING ETHERNET CARD. PROVIDE 1 X CAT 5 CABLE IN 21mm EMT CONDUIT FROM ATS#4 ETHERNET CARD TO COMMUNICATION ROOM 116. THE INTENT IS TO ALLOW ATS#4 TO DISPLAY ITS ELECTRICAL PARAMETERS STATUS TO NEW SWITCHGEAR. MODIFY EXISTING ATS#4 AND INCLUDE ALL REQUIRED SOFTWARE AND HARDWARE UPGRADES TO SUPPORT THE NEW ADDITION.

NOTE 7: THE INTENT IS TO UPGRADE EXISTING ATS#5 COMMUNICATION CAPABILITIES TO ALLOW ATS#5 TO DISPLAY ITS ELECTRICAL PARAMETERS STATUS TO NEW SYNCHRONIZING SWITCHGEAR. PROVIDE ETHERNET CARD COMPATIBLE WITH ATS#5 (MODEL NUMBER #ATC3C2K4004DESC, SERIAL NUMBER #23E259300). PROVIDE 1 X CAT 5 CABLE IN 21mm EMT CONDUIT FROM ATS#5 ETHERNET CARD TO COMMUNICATIONS ROOM 116. MODIFY ATS#5 AND INCLUDE ALL REQUIRED SOFTWARE AND HARDWARE UPGRADES TO SUPPORT THE NEW ADDITION.

NOTE 8: EXISTING VESTIBULE FORCE FLOW HEATER TO BE RE-FED FROM A NEW 1P-15A BREAKER IN PANEL "E3P2A" (CCT# 10). NEW BREAKER FRAME TO MATCH EXISTING. REDUNDANT CIRCUITRY TO BE REMOVED.

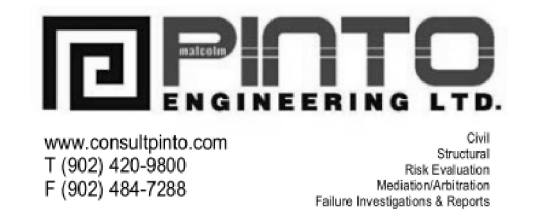
NOTE 9: ATS#3 IS EXISTING AND INCLUDES AN EXISTING ETHERNET CARD. PROVIDE 1 X CAT 5 CABLE IN 21mm EMT CONDUIT FROM ATS#3 ETHERNET CARD TO COMMUNICATIONS ROOM 107. THE INTENT IS TO ALLOW ATS#3 TO DISPLAY ITS ELECTRICAL PARAMETERS STATUS TO NEW SWITCHGEAR. MODIFY EXISTING ATS#3 AND INCLUDE ALL REQUIRED SOFTWARE AND HARDWARE UPGRADES TO SUPPORT THE NEW ADDITION.



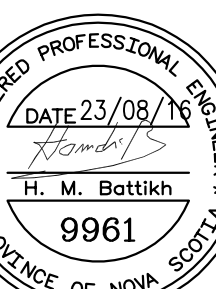
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FOR DIMENSIONS.



4	ISSUED FOR TENDER	08/23/2016
3	RE-ISSUED FOR 100% REVIEW	07/18/2016
2	ISSUED FOR 100% REVIEW	06/15/2016
1	ISSUED FOR 70% REVIEW	04/08/2016

project project  
**BIO GENERATOR UPGRADES  
FOR CAMPUS HEATING  
SYSTEM**  
BEDFORD INSTITUTE OCEANOGRAPHY  
DARTMOUTH - NS

drawing dessin  
**COAST GUARD  
& ELLIS LAB  
BUILDINGS FLOOR PLANS**

designed PM	conçu
date JULY 2016	
drown PM	dessiné
date JULY 2016	
approved JB	approuvé
date JULY 2016	

Tender Soumission  
PM/SCS Project Manager Administrateur de projets TP/SCS  
project number no. du projet  
**R.080319.001**  
drawing no. no. du dessin  
**E-108**