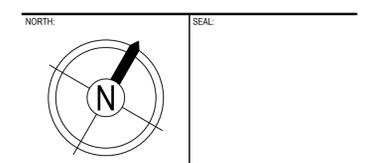


- GENERAL NOTES:**
- ELECTRICAL DISTRIBUTION SYSTEM SHOWN ON THIS DRAWING IS PROVIDED FOR INFORMATION ONLY AND MAY NOT BE FULLY UP TO DATE. ELECTRICAL CONTRACTOR TO VERIFY ON SITE ALL SIZES AND RATINGS OF EQUIPMENT. FEEDERS AND BRANCH FEEDERS TAHT ARE INCLUDED WITHIN AND AFFECTED BY THE SCOPE OF THIS WORK.
 - PROJECT WILL BE HEAVILY PHASED. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE EMERGENCY POWER DISTRIBUTION TO CMH THROUGHOUT CONSTRUCTION.
- DRAWING NOTES:**
- DISCONNECT AND REMOVE EXISTING AT'S, BREAKERS SWITCHBOARDS. PROVIDE NEW AT'S AND SWITCHBOARDS AND FEEDER AS SHOWN ON NEW SINGLE LINE DRAWING. REFEED ALL EXISTING CIRCUITS NOT DELETED AS PART OF THIS PROJECT FROM NEW SWITCHBOARD. THE EXISTING NORMAL DISTRIBUTION SYSTEM TO REMAIN ACTIVE UNTIL NEW EMERGENCY SYSTEMS IS INSTALLED AND READY TO RECEIVE POWER.
 - EXISTING FEEDERS TO DISCONNECT FROM EXISTING SWITCHBOARDS AND EXTEND TO NEW SWITCHGEAR AS SHOWN ON NEW SINGLE LINE DIAGRAM.
 - DISCONNECT AND REMOVE 200KW GENERATOR AS PART OF THIS WORK. REMOVE WIRING AND CONDUIT BACK TO EXISTING AT'S IN ELECTRICAL ROOM. PROVIDE NEW EQUIPMENT AS SHOWN ON NEW SINGLE LINE DRAWING E102.
 - REPLACE EXISTING BREAKER WITH NEW BREAKER AS SHOWN ON NEW SINGLE LINE DRAWING E102.
 - DISCONNECT AND RECONNECT, EXTEND 112.5KVA TRANSFORMER AS REQUIRED AND SHOWN ON NEW SINGLE LINE DRAWING E-102.
 - PROVIDE TEMPORARY 600A FEEDER FROM NEW SWITCHBOARD SWBD-EEB TO EXISTING PANEL DP-EE DURING REMOVAL OF FEEDERS TO EXISTING 175KW GENERATOR. EXISTING CONDUIT PATH EXISTING BETWEEN 200KW GENERATOR ROOM AND DE-EE. REFER TO NEW SINGLE LINE DRAWING E-102.
 - DISCONNECT AND RECONNECT, EXTEND 200KVA TRANSFORMER AS REQUIRED AND SHOWN ON NEW SINGLE LINE DRAWING E-102.

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01	2024-11-14	ISSUED FOR ADDEMDUM E04
DRAWING REVISIONS		
06	2024-10-09	ISSUED FOR BID AND PERMIT
05	2024-05-06	ISSUED FOR ESA PLANS REVIEW
04	2024-02-12	ISSUED FOR MOH CONTRACT DOCUMENTS
03	2024-01-19	ISSUED FOR MOH STAGE 2.3 COSTING
02	2023-12-18	ISSUED FOR COORDINATION
01	2023-06-09	ISSUED FOR COSTING
DRAWING ISSUE		



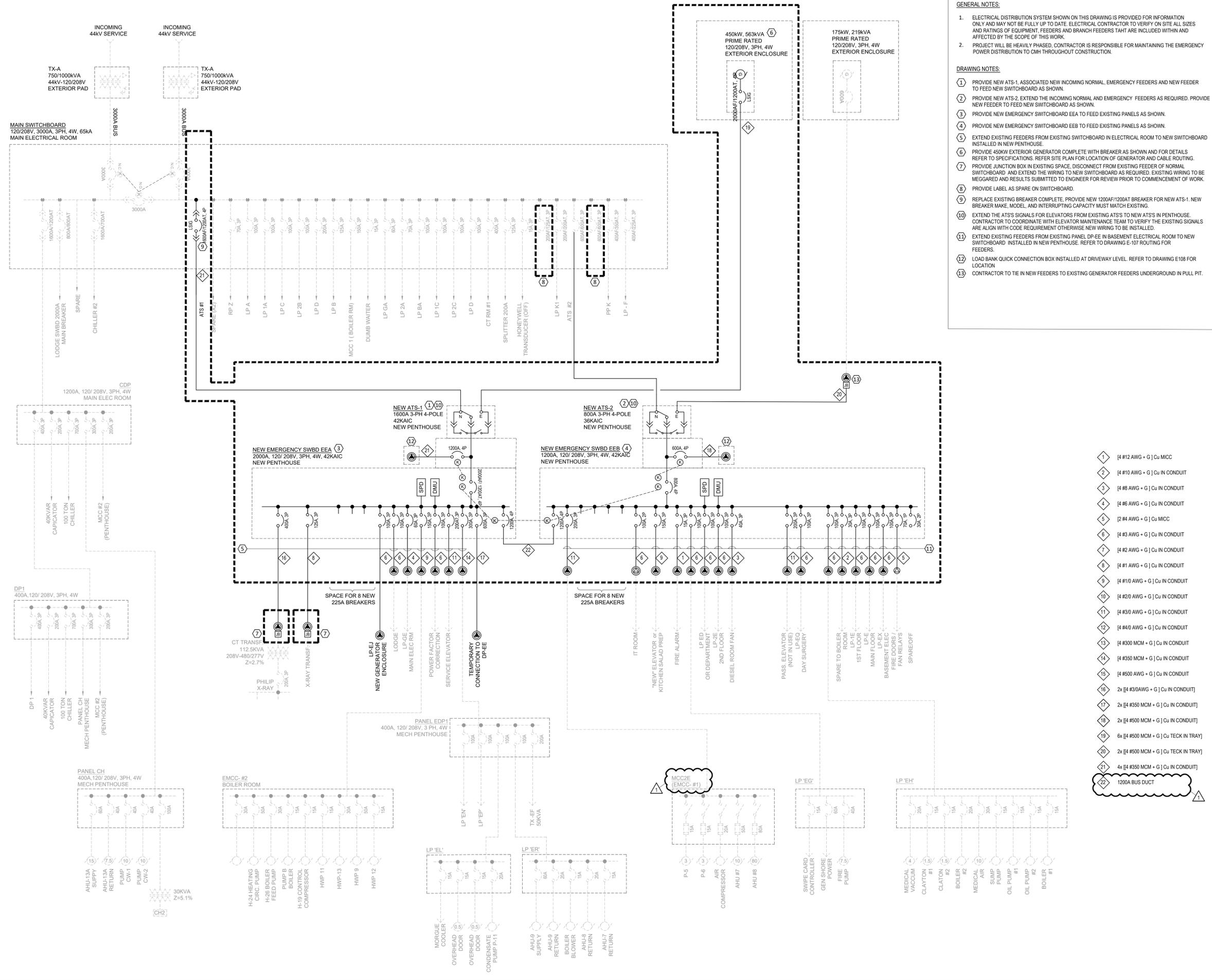
PROJECT:
CAMPBELLFORD MEMORIAL HOSPITAL GENERATOR REPLACEMENT

PROJ. NO.: 2222483

DRAWING TITLE:
SINGLE LINE DIAGRAM - DEMOLITION

SCALE:	ARCH D	DRAWN BY:	R.NAGAH
DRAWING NUMBER:	N.T.S.	CHECKED BY:	T.BENSTEAD

E-101



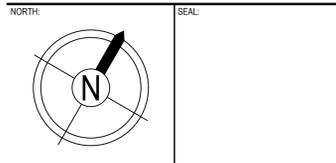
- GENERAL NOTES:**
- ELECTRICAL DISTRIBUTION SYSTEM SHOWN ON THIS DRAWING IS PROVIDED FOR INFORMATION ONLY AND MAY NOT BE FULLY UP TO DATE. ELECTRICAL CONTRACTOR TO VERIFY ON SITE ALL SIZES AND RATINGS OF EQUIPMENT, FEEDERS AND BRANCH FEEDERS TAHT ARE INCLUDED WITHIN AND AFFECTED BY THE SCOPE OF THIS WORK.
 - PROJECT WILL BE HEAVILY PHASED. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE EMERGENCY POWER DISTRIBUTION TO CMH THROUGHOUT CONSTRUCTION.
- DRAWING NOTES:**
- PROVIDE NEW ATS-1, ASSOCIATED NEW INCOMING NORMAL, EMERGENCY FEEDERS AND NEW FEEDER TO FEED NEW SWITCHBOARD AS SHOWN.
 - PROVIDE NEW ATS-2, EXTEND THE INCOMING NORMAL AND EMERGENCY FEEDERS AS REQUIRED. PROVIDE NEW FEEDER TO FEED NEW SWITCHBOARD AS SHOWN.
 - PROVIDE NEW EMERGENCY SWITCHBOARD EEA TO FEED EXISTING PANELS AS SHOWN.
 - PROVIDE NEW EMERGENCY SWITCHBOARD EEB TO FEED EXISTING PANELS AS SHOWN.
 - EXTEND EXISTING FEEDERS FROM EXISTING SWITCHBOARD IN ELECTRICAL ROOM TO NEW SWITCHBOARD INSTALLED IN NEW PENTHOUSE.
 - PROVIDE 450kW EXTERIOR GENERATOR COMPLETE WITH BREAKER AS SHOWN AND FOR DETAILS REFER TO SPECIFICATIONS. REFER SITE PLAN FOR LOCATION OF GENERATOR AND CABLE ROUTING.
 - PROVIDE JUNCTION BOX IN EXISTING SPACE, DISCONNECT FROM EXISTING FEEDER OF NORMAL SWITCHBOARD AND EXTEND THE WIRING TO NEW SWITCHBOARD AS REQUIRED. EXISTING WIRING TO BE MEGGARED AND RESULTS SUBMITTED TO ENGINEER FOR REVIEW PRIOR TO COMMENCEMENT OF WORK.
 - PROVIDE LABEL AS SPARE ON SWITCHBOARD.
 - REPLACE EXISTING BREAKER COMPLETE. PROVIDE NEW 1200A/1200AT BREAKER FOR NEW ATS-1. NEW BREAKER MAKE, MODEL, AND INTERRUPTING CAPACITY MUST MATCH EXISTING.
 - EXTEND THE ATS'S SIGNALS FOR ELEVATORS FROM EXISTING ATSS TO NEW ATSS IN PENTHOUSE. CONTRACTOR TO COORDINATE WITH ELEVATOR MAINTENANCE TEAM TO VERIFY THE EXISTING SIGNALS ARE ALIGN WITH CODE REQUIREMENT OTHERWISE NEW WIRING TO BE INSTALLED.
 - EXTEND EXISTING FEEDERS FROM EXISTING PANEL DP-EE IN BASEMENT ELECTRICAL ROOM TO NEW SWITCHBOARD INSTALLED IN NEW PENTHOUSE. REFER TO DRAWING E-107 ROUTING FOR FEEDERS.
 - LOAD BANK QUICK CONNECTION BOX INSTALLED AT DRIVEWAY LEVEL. REFER TO DRAWING E-108 FOR LOCATION
 - CONTRACTOR TO TIE IN NEW FEEDERS TO EXISTING GENERATOR FEEDERS UNDERGROUND IN PULL PIT.

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KEYPLAN:

1	[4 #12 AWG + G] Cu MICC
2	[4 #10 AWG + G] Cu IN CONDUIT
3	[4 #8 AWG + G] Cu IN CONDUIT
4	[4 #6 AWG + G] Cu IN CONDUIT
5	[2 #4 AWG + G] Cu MICC
6	[4 #3 AWG + G] Cu IN CONDUIT
7	[4 #2 AWG + G] Cu IN CONDUIT
8	[4 #1 AWG + G] Cu IN CONDUIT
9	[4 #1/0 AWG + G] Cu IN CONDUIT
10	[4 #2/0 AWG + G] Cu IN CONDUIT
11	[4 #3/0 AWG + G] Cu IN CONDUIT
12	[4 #4/0 AWG + G] Cu IN CONDUIT
13	[4 #300 MCM + G] Cu IN CONDUIT
14	[4 #350 MCM + G] Cu IN CONDUIT
15	[4 #500 AWG + G] Cu IN CONDUIT
16	2x [4 #3/0 AWG + G] Cu IN CONDUIT
17	2x [4 #350 MCM + G] Cu IN CONDUIT
18	2x [4 #500 MCM + G] Cu IN CONDUIT
19	6x [4 #500 MCM + G] Cu TECK IN TRAY
20	2x [4 #500 MCM + G] Cu TECK IN TRAY
21	4x [4 #350 MCM + G] Cu IN CONDUIT
22	1200A BUS DUCT



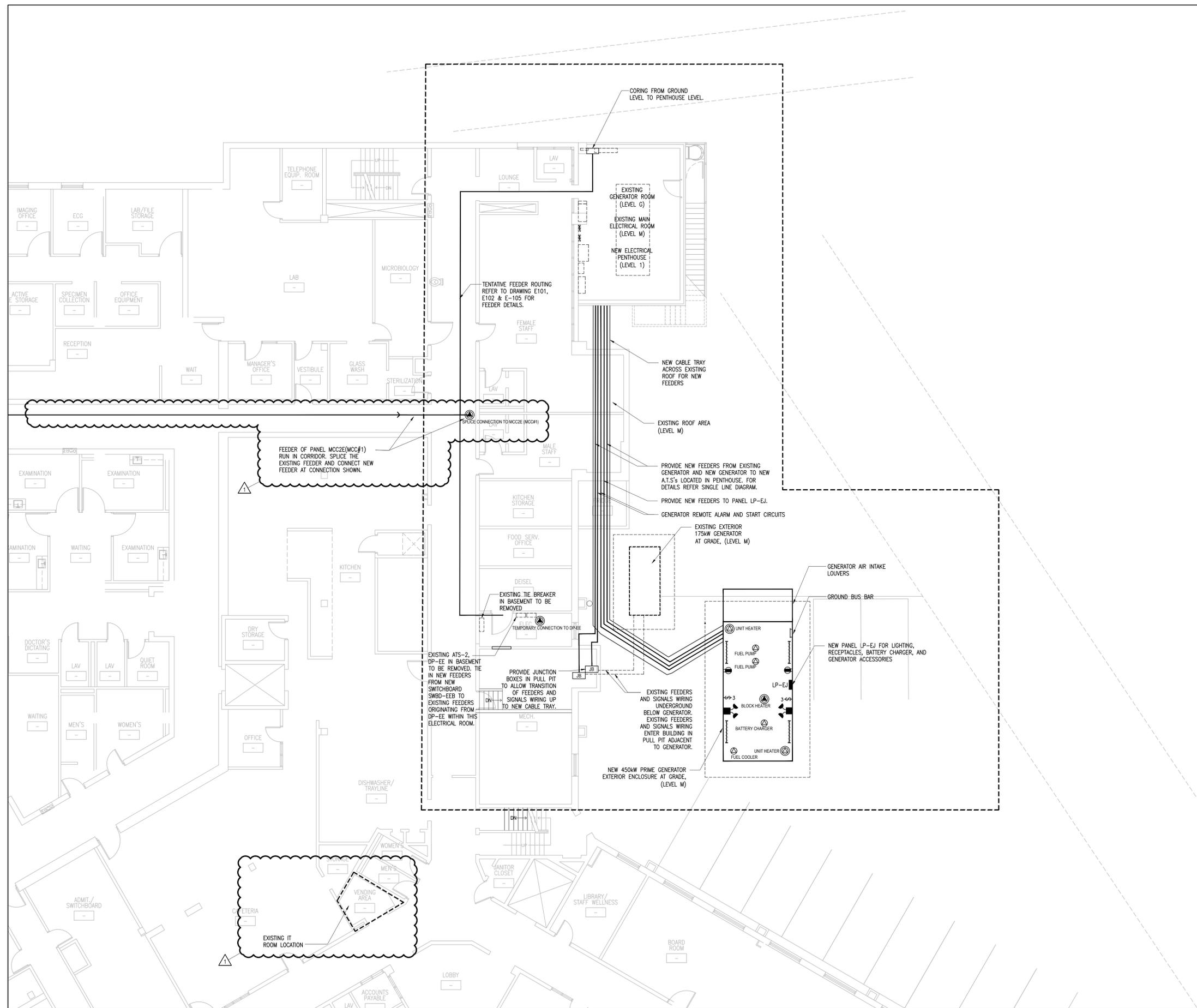
PROJECT:
CAMPBELLFORD MEMORIAL HOSPITAL GENERATOR REPLACEMENT

HHA PROJECT NUMBER: 2222483

DRAWING TITLE:
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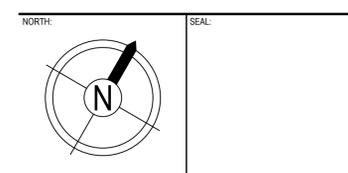
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E-102



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NO.	DATE (YYYY-MM-DD)	DESCRIPTION
06	2024-10-09	ISSUED FOR BID AND PERMIT
05	2024-05-06	ISSUED FOR ESA PLANS REVIEW
04	2024-02-12	ISSUED FOR MOH CONTRACT DOCUMENTS
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PROJECT:
CAMPBELLFORD MEMORIAL HOSPITAL GENERATOR REPLACEMENT

HHA PROJECT NUMBER: 2222483

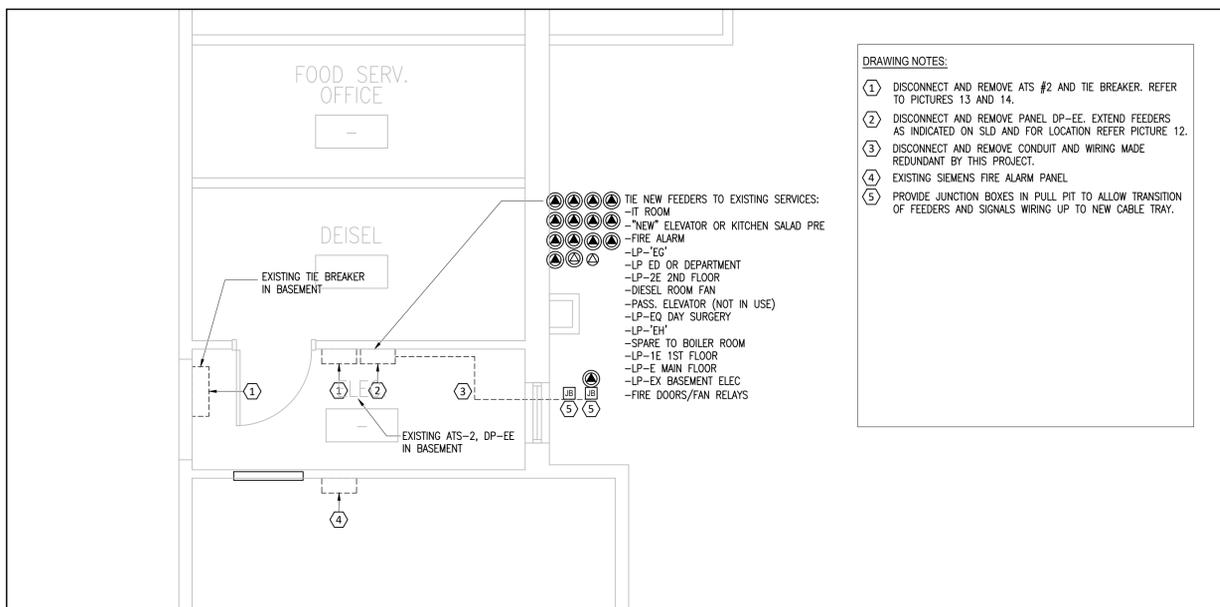
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ELECTRICAL PLAN - LEVEL M

PAGE SIZE:	ARCH D	DRAWN BY:	W.EVANS
SCALE:	AS NOTED	CHECKED BY:	W.EVANS
DRAWING NUMBER:			

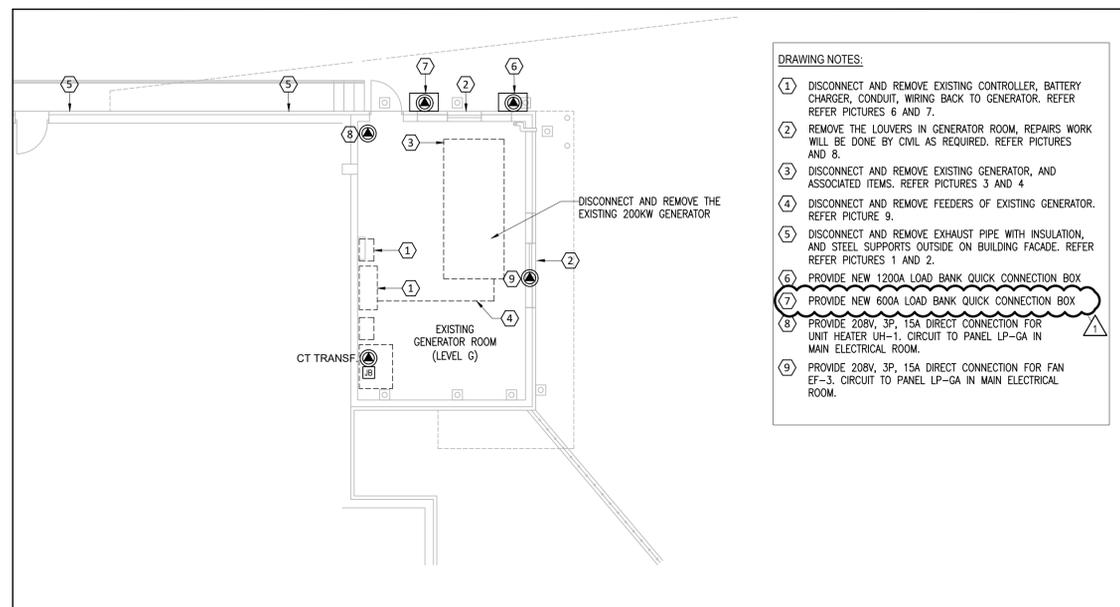
E-106

1 ELECTRICAL PLAN - LEVEL M
 E-106 1:100

FILE NAME: P:\2024\05 - 049 Generator Replacement\049-106 Electrical Floor Plans.dwg
 PLOT DATE: 2024-11-13 10:28



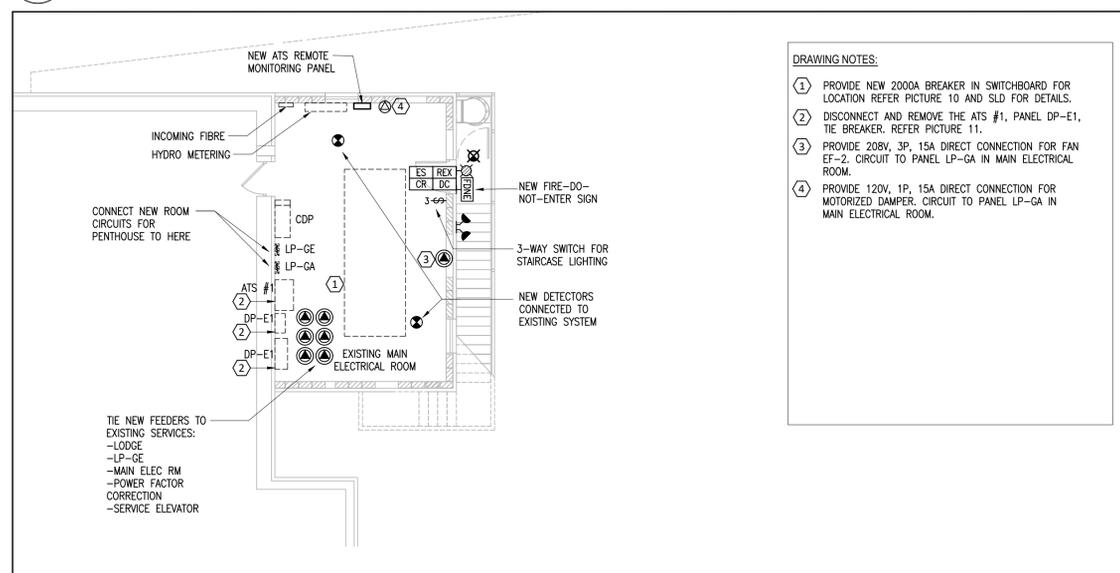
4 EXISTING ELECTRICAL ROOM - BASEMENT
 E-108 1:100



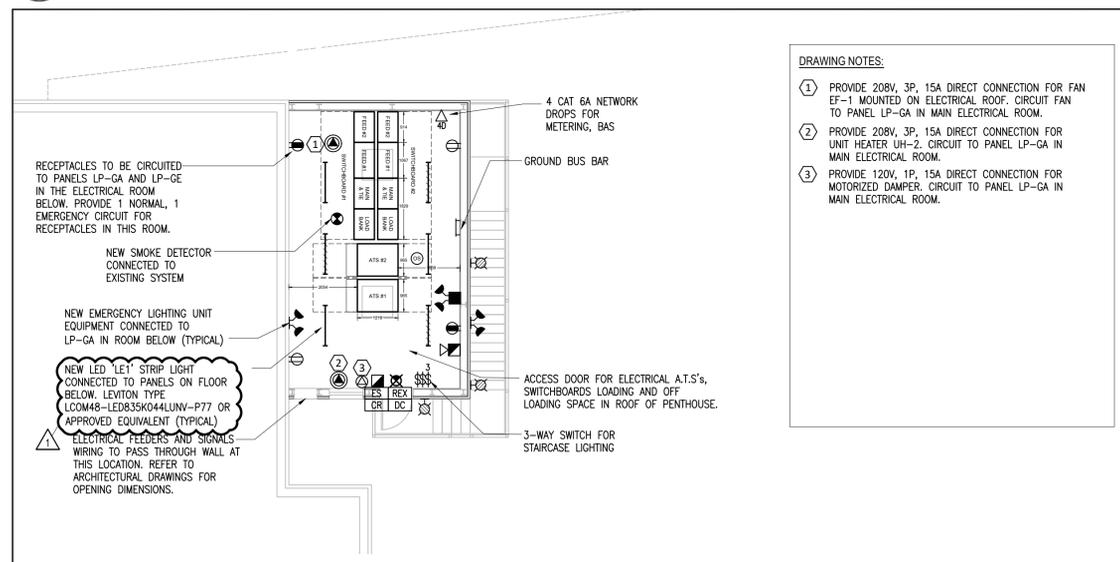
1 EXISTING GENERATOR ROOM
 E-108 1:100



5 EXISTING EQUIPMENT PICTURES
 E-108

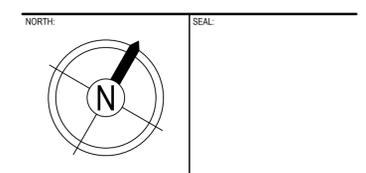


2 EXISTING ELECTRICAL ROOM - MAIN LEVEL
 E-108 1:100



3 NEW ELECTRICAL ROOM PLAN - PENTHOUSE
 E-108 1:100

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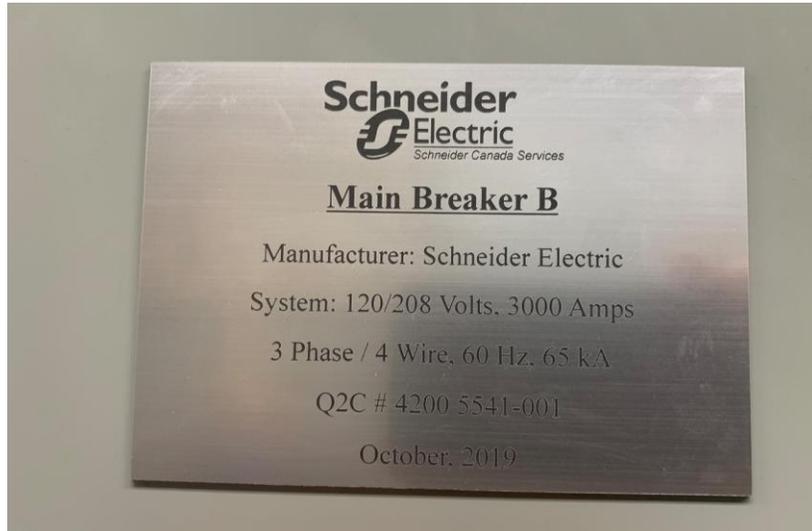
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PAGE SIZE:	ARCH D	DRAWN BY:	W.EVANS
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DRAWING NUMBER:			

E-108

Annexure-I

Existing 3000A SWBD information



Existing 1600A/1200AT picture



Existing 800A breaker to replace with 1600/1200AF



EXISTING LP-GA Panel Schedule



DIRECTORY — DIRECTOIRE	
N°.	LP GA
1	Ltg. main floor
2	Rec. Gen. Rm.
3	Rec. main floor
4	Ltgs. Gen. Rm.
5	Rec. under pnl.
6	
7	Battery Charger
8	
9	Gen. Block Htr.
10	
11	Main Fl. Heater
12	
13	Main Fl. Heater
14	
15	
16	
17	
18	
19	
20	
21	Outdoor lights substation
22	
23	Outdoor rec. substation
24	TRALS FORMER HEATER