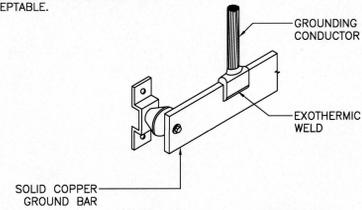


POWER, COMMUNICATIONS AND FIRE ALARM LAYOUT REMOVALS

SCALE: 1:50
0m 1m 2m 3m 4m 5m

DETAIL NOTES:
1. ALL GROUND BUS CONNECTIONS SHALL BE MADE BY EXOTHERMIC WELDING OR CRIMPED CONNECTORS. BOLTED CONNECTIONS ARE NOT ACCEPTABLE.



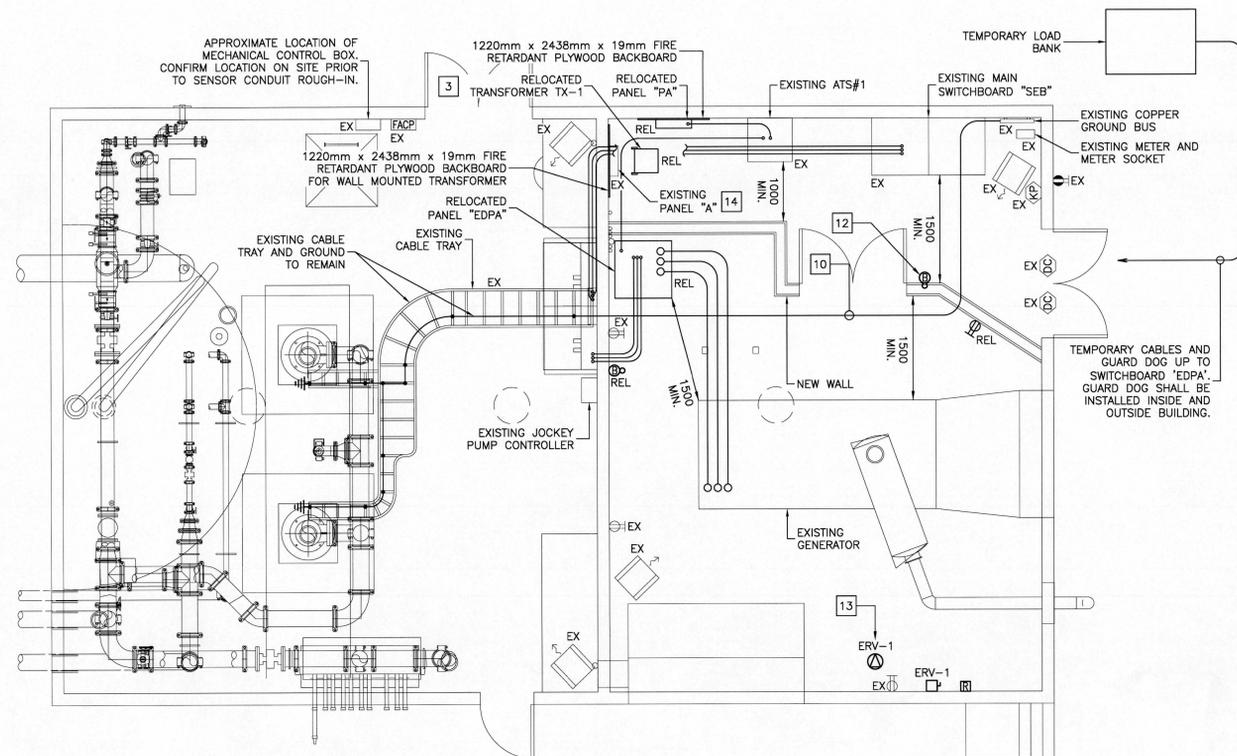
GROUND BUS CONNECTION DETAIL A
SCALE : N.T.S.

GENERAL NOTES:

1. MINIMUM DISTANCES SHOWN ON FLOOR PLANS SHALL BE MAINTAINED. CONTRACTOR SHALL COORDINATE AND PLAN OUT EQUIPMENT AND ROUGH-IN PRIOR TO COMMENCING WORK.

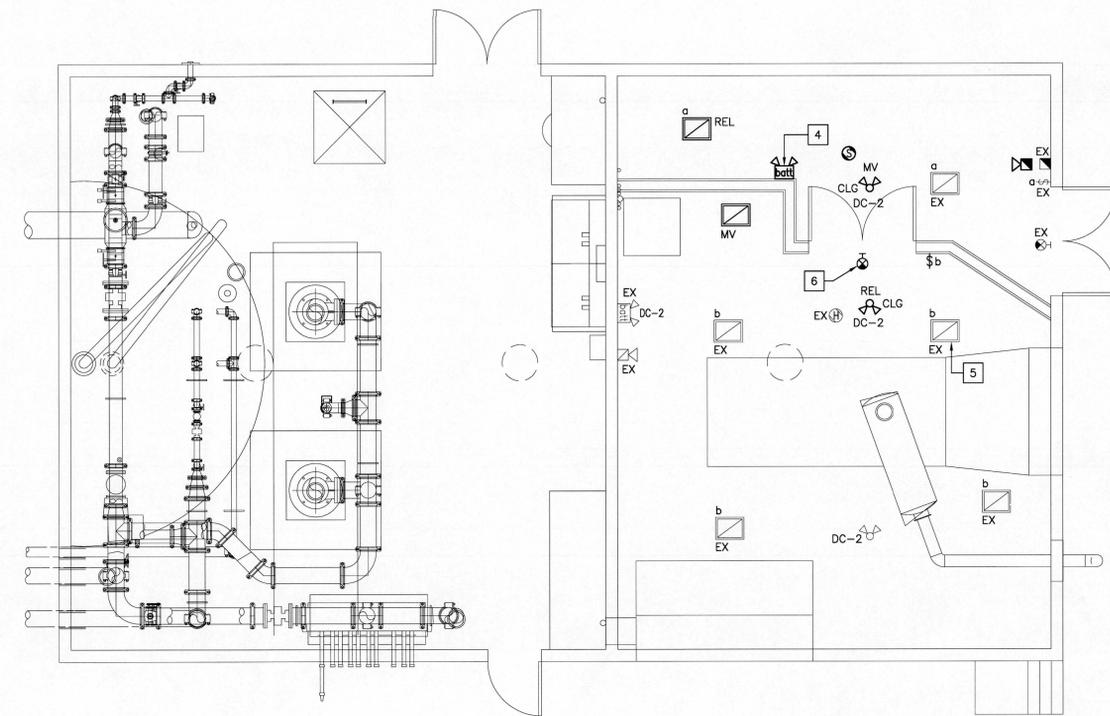
SPECIFIC NOTES:

- 1 REMOVE CABLE TRAY FROM SWITCHBOARD "SEB" UP TO INTERIOR WALL SEPARATING GENERATOR AND PUMP ROOM. SUSPENDED C-CHANNEL SUPPORTS TO REMAIN.
- 2 REMOVE CABLE TRAY BETWEEN GENERATOR AND PANEL "EDPA". SUSPENDED C-CHANNEL SUPPORTS TO REMAIN.
- 3 WALL MOUNT TRANSFORMER ABOVE PANEL "A" AT A MINIMUM 2400mm FROM FINISHED FLOOR TO UNDERSIDE OF TRANSFORMER. PROVIDE ACCESSORIES AND HARDWARE AS REQUIRED FOR WALL MOUNTING TRANSFORMER. MAINTAIN HORIZONTAL WALL CLEARANCE AS PER CEC.
- 4 WIRE EMERGENCY LIGHTING BATTERY UNIT TO UN-SWITCHED LEG SERVING THE ELECTRICAL ROOM LIGHTING.
- 5 RE-WIRE GENERATOR ROOM LIGHTING TO NEW LIGHT SWITCH.
- 6 WIRE NEW EXIT SIGN TO EXISTING EXIT SIGN CIRCUIT.
- 7 REMOVE ALL EXISTING BOLTED GROUND CONNECTIONS (TYPICAL OF 4) FROM GROUND BUS AND REMOVE LUGS FROM COPPER CONDUCTOR, EXTEND GROUND CONDUCTORS AS REQUIRED WITH COMPRESSION CLAMPS. ALL GROUND TERMINATIONS SHALL BE AS PER GROUND BUS CONNECTION DETAIL.
- 8 INSIDE GENERATOR BREAKER COMPARTMENT, REMOVE BONDING JUMPER BETWEEN NEUTRAL BUSBAR AND BOND BUSBAR.
- 9 REMOVE GROUND CONNECTION AND CONDUCTOR FROM GENERATOR SKID.
- 10 EXISTING CABLE TRAY GROUND TO BE PEELED BACK UP TO INTERIOR WALL SEPARATING GENERATOR AND FIRE PUMP ROOM. RUN GROUND CONDUCTOR AT THE GENERATOR IN 27mm EMT CONDUIT FROM WALL DOWN TO GROUND BUS BAR.
- 11 EXISTING BACKBOX AND EMT CONDUIT FOR UNIT HEATER SENSOR. RELOCATE BACKBOX AND EXTEND CONDUIT TO NEW LOCATION SHOWN. SENSOR AND LOW VOLTAGE WIRING BY MECHANICAL CONTRACTOR. COORDINATE EXACT LOCATION OF BACKBOX WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- 12 NEW BACKBOX AND 21mm EMT CONDUIT FOR UNIT HEATER SENSOR SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR. RUN 21mm EMT CONDUIT FROM BACKBOX TO EXISTING CONTROL BOX. SENSOR AND LOW VOLTAGE WIRING BY MECHANICAL CONTRACTOR. COORDINATE EXACT LOCATION OF NEW BACKBOX WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- 13 ERV-1 WIRED THROUGH N/O RELAY CONTACT. RELAY CONTROLLED FROM LOAD SIDE OF ELECTRICAL ROOM LIGHT SWITCH. REFER TO MECHANICAL SCHEDULE FOR EXACT REQUIREMENTS.
- 14 SUPPLY AND INSTALL NEW BREAKER IN PANEL 'A', BREAKER INTERRUPTING RATING TO MATCH EXISTING. REFER TO MECHANICAL ITEM 'ERV-1' FOR EXACT REQUIREMENTS.



REVISED POWER AND COMMUNICATIONS LAYOUT

SCALE: 1:50
0m 1m 2m 3m 4m 5m



REVISED LIGHTING AND FIRE ALARM LAYOUT

SCALE: 1:50
0m 1m 2m 3m 4m 5m



JOB# 2004320

North	Nord	Stamp	Estampe

PROVINCE OF NEWFOUNDLAND AND LABRADOR
PERMIT HOLDER
This Permit allows
CRANDALL ENGINEERING LTD.
To practice Professional Engineering in Newfoundland and Labrador.
Permit No. as issued by PEGAB: K2243
which is valid for the year 2021.

0	ISSUED FOR TENDER	FEB 10 2021
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revisions	date
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project
NEW BOOSTER STATION ELECTRICAL ROOM
project
WABUSH AIRPORT WABUSH, NL

drawing
ELECTRICAL POWER, LIGHTING, FIRE ALARM AND COMMUNICATIONS LAYOUTS
design

designed MARC LEVESQUE conq

date FEBRUARY 10 2021

drown DAVID LAYDEN dessin

date FEBRUARY 10 2021

approved ESAD BAHTJAREVIC approuv

date FEBRUARY 10 2021

Tender Soumission

PWGC Project Manager Administrateur de projets TP/GC

project number no. du projet

R.080992.002

drawing no. no. du dessin

E02