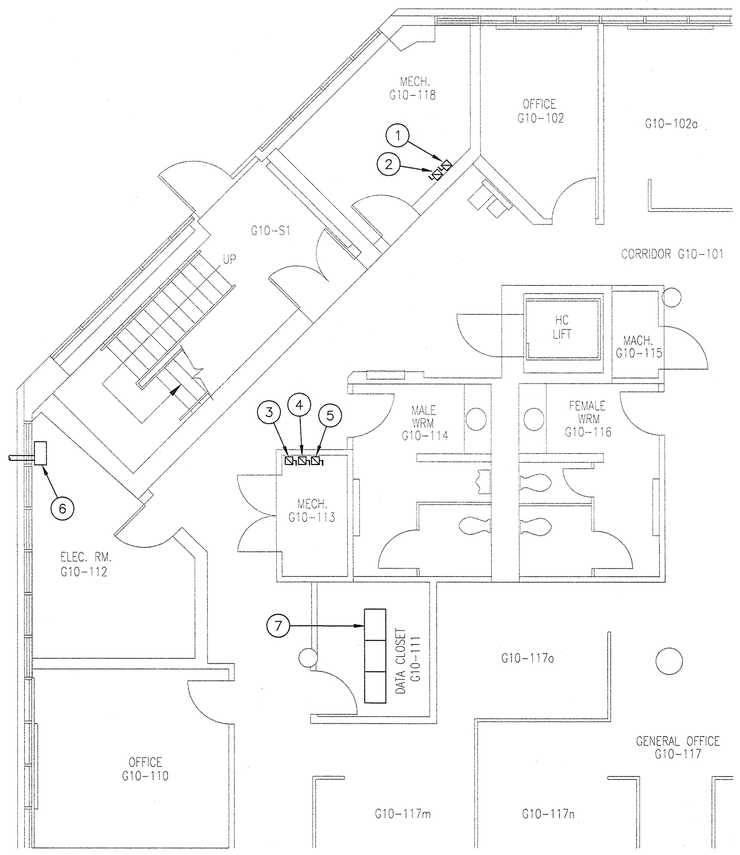


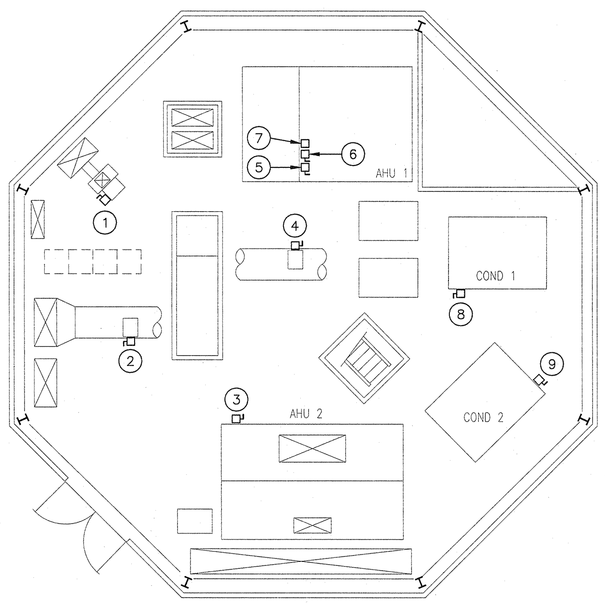
1. EXISTING 60A, 3P, 600V FUSIBLE DISCONNECT SWITCH FOR DHW (600V 3P), TO BE REMOVED. SUPPLY AND INSTALL NEW DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
2. EXISTING 30A, 3P, 208V DISCONNECT SWITCH FOR DHW (208V 1P), TO BE REMOVED. SUPPLY AND INSTALL NEW FUSIBLE DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
3. EXISTING 30A, 3P, 600V DISCONNECT SWITCH FOR VENTILATION UNIT G-10 (600V 3PH G-101PA), TO BE REMOVED. SUPPLY AND INSTALL NEW FUSIBLE DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
4. EXISTING 60A, 3P, 600V FUSED (AT 40A) DISCONNECT SWITCH FOR DUCT HEATER (G-101HA CCT-13/15/17), TO BE REMOVED. SUPPLY AND INSTALL NEW FUSED DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
5. EXISTING 30A, 3P, 600V DISCONNECT SWITCH FOR HUMIDIFIER (G-101HA CCT-19/21/23), TO BE REMOVED. SUPPLY AND INSTALL NEW FUSIBLE DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
6. EXISTING JUNCTION BOX/UNDERGROUND CONDUIT ROUTES TO ELECTRICAL ROOM H7 AT THIS APPROXIMATE LOCATION.
7. ROUTE NEW CAT 6 CABLE IN 27mmø CONDUIT FROM H7 ELECTRICAL ROOM TO EXISTING DATA RACK IN DATA CLOSET G10-111. ALL NEW DATA DROPS FOR H7 ELECTRICAL ROOM UNDER THIS CONTRACT TO BE ROUTED BACK TO THIS CLOSET AND TERMINATED ON NEW CAT6 PATCH PANEL IN EXISTING RACK.

G10 POD PARTIAL FLOOR PLAN – LEVEL 1

1 / E109

SCALE : 1:75

0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m



1. EXISTING 30A, 600V DISCONNECT SWITCH FOR FAN #3 TO BE REMOVED. SUPPLY AND INSTALL NEW DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
2. EXISTING 30A, 600V DISCONNECT SWITCH FOR RETURN FAN #1 TO BE REMOVED. SUPPLY AND INSTALL NEW DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
3. EXISTING 30A, 600V DISCONNECT SWITCH FOR AHU #2 TO BE REMOVED. SUPPLY AND INSTALL NEW DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
4. EXISTING 30A, 600V DISCONNECT SWITCH FOR RETURN FAN #2 TO BE REMOVED. SUPPLY AND INSTALL NEW DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
5. EXISTING 30A, 600V DISCONNECT SWITCH FOR HEATING COIL #1 TO BE REMOVED. SUPPLY AND INSTALL NEW DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
6. EXISTING 30A, 600V DISCONNECT SWITCH FOR AHU #1 TO BE REMOVED. SUPPLY AND INSTALL NEW DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
7. EXISTING VFD FOR AHU #1 TO REMAIN. RECONNECT TO NEW DISCONNECT FOR AHU #1. EXTEND CONDUIT AND WIRING AS REQUIRED.
8. EXISTING 30A, 600V DISCONNECT SWITCH FOR CONDENSER #1 TO BE REMOVED. SUPPLY AND INSTALL NEW DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
9. EXISTING 30A, 600V DISCONNECT SWITCH FOR CONDENSER #2 TO BE REMOVED. SUPPLY AND INSTALL NEW DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.

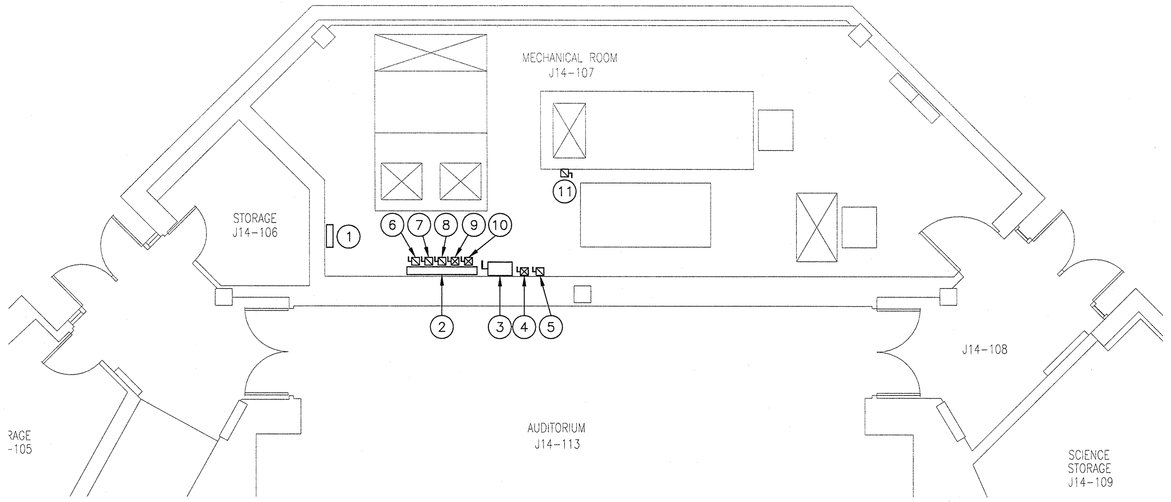
PENTHOUSE G10 FLOOR PLAN

4 / E109

SCALE : 1:75

0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

1. EXISTING PANEL J141HA, 347/600V, 225A, TO BE REMOVED AND REPLACED WITH NEW 42 CCT PANEL COMPLETE WITH NEW BREAKERS TO MATCH EXISTING. EXTEND CONDUIT AND WIRING AS REQUIRED TO ACCOMODATE NEW INSTALLATION. REFER TO DRAWING E-704.
2. EXISTING 225A, 600V SPLITTER TO BE REMOVED AND REPLACED WITH NEW. LENGTH TO MATCH EXISTING.
3. EXISTING MAIN SWITCH, 400A, 347/600V, TO BE REMOVED AND REPLACED WITH NEW TO MATCH EXISTING. EXTEND CONDUIT AND WIRING AS REQUIRED TO ACCOMODATE NEW INSTALLATION.
4. EXISTING 600V COMBINATION STARTER FOR J14 COMPRESSOR TO BE REPLACED WITH NEW TO MATCH EXISTING. EXTEND CONDUIT AND WIRING AS REQUIRED TO ACCOMODATE NEW INSTALLATION. SEE DRAWING E705 FOR TYPICAL DETAILS.
5. EXISTING 100A, 600V, 3P FUSED DISCONNECT (FUSED AT 90) FOR J14 COMPRESSOR TO BE REPLACED WITH NEW TO MATCH EXISTING. EXTEND CONDUIT AND WIRING AS REQUIRED TO ACCOMODATE NEW INSTALLATION.
6. EXISTING 200A FUSED DISCONNECT (FUSED AT 175A) FOR PANEL J141HA TO BE REMOVED AND REPLACED WITH NEW TO MATCH EXISTING. EXTEND CONDUIT AND WIRING AS REQUIRED TO ACCOMODATE NEW INSTALLATION,
7. EXISTING 30A FUSED DISCONNECT (FUSED AT 30A) FOR 600V HEATING COIL J14-S1 TO BE REMOVED AND REPLACED WITH NEW TO MATCH EXISTING. EXTEND CONDUIT AND WIRING AS REQUIRED TO ACCOMODATE NEW INSTALLATION,
8. EXISTING 30A FUSED DISCONNECT (FUSED AT 30A) FOR 600V HUMIDIFIER J14-H1 TO BE REMOVED AND REPLACED WITH NEW TO MATCH EXISTING. EXTEND CONDUIT AND WIRING AS REQUIRED TO ACCOMODATE NEW INSTALLATION,
9. EXISTING 600V COMBINATION STARTER FOR FAN J14-S1 TO BE REMOVED AND REPLACED WITH NEW TO MATCH EXISTING. EXTEND CONDUIT AND WIRING AS REQUIRED TO ACCOMODATE NEW INSTALLATION, SEE DRAWING E705 FOR TYPICAL DETAILS.
10. EXISTING 600V, 5A, 3ø COMBINATION STARTER CONNECTED TO ELECTRICAL ITEM #9 TO REMAIN. RECONNECT TO NEW STARTER FOR FAN J14-S1.
11. EXISTING (600V, 3PH, 3W, 20KW) SCR CONTROLLER FOR DUCT HEATER J14-S1 TO BE REMOVED. SUPPLY AND INSTALL NEW SCR CONTROLLER TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.

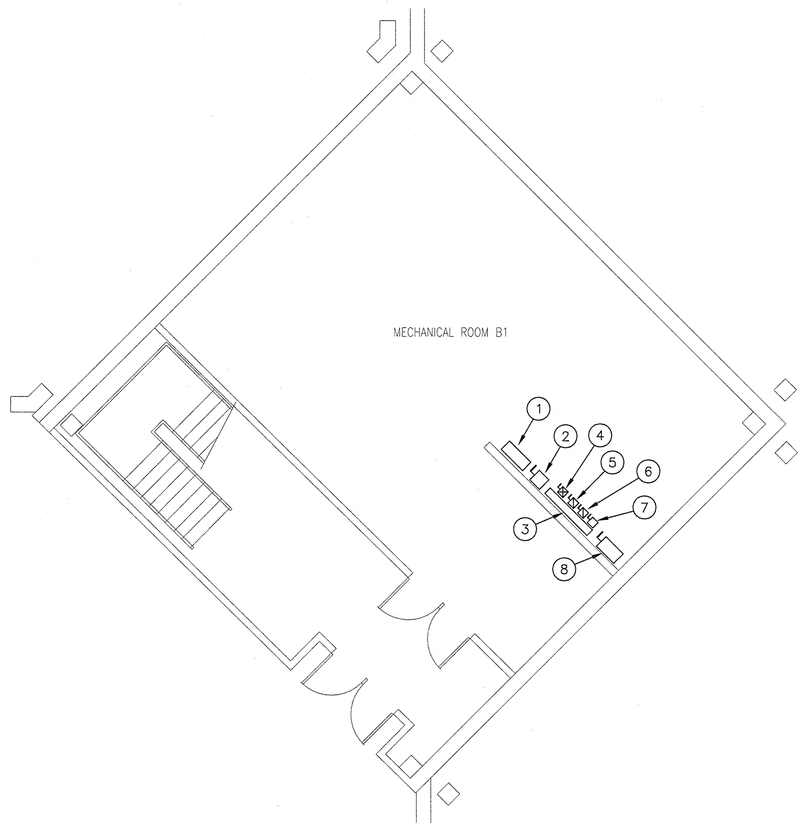


J14 MECHANICAL ROOM PARTIAL FLOOR PLAN – LEVEL 1

1 / E109

SCALE : 1:75

0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m



1. EXISTING DDC PANEL TO REMAIN.
2. EXISTING 200A, 600V, 3P DISCONNECT FOR HOT WATER BOILER, TO REMAIN.
3. EXISTING 600V SPLITTER TO BE REMOVED AND REPLACED WITH NEW. LENGTH TO MATCH EXISTING.
4. EXISTING COMBINATION MOTOR STARTER FOR 600V FAN 'K13-E1' TO BE REMOVED AND REPLACED WITH NEW. STARTER SIZE, OVERLOADS AND CHARACTERISTICS TO MATCH EXISTING. PROVIDE NEW WIRE AND CONDUIT AS REQUIRED ACCOMODATE NEW INSTALLATION. SEE DRAWING E705 FOR TYPICAL DETAILS.
5. EXISTING 30A, 3P, 600V FUSED (@ 30A) DISCONNECT SWITCH FOR CONTROLS AIR DRYER, TO BE REMOVED. SUPPLY AND INSTALL NEW FUSED DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
6. EXISTING 30A, 3P, 600V FUSED (@ 20A) DISCONNECT SWITCH FOR HONEYWELL COMPRESSOR 1, TO BE REMOVED. SUPPLY AND INSTALL NEW FUSED DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
7. EXISTING 30A, 3P, 600V FUSED (@ 20A) DISCONNECT SWITCH FOR HONEYWELL COMPRESSOR 2, TO BE REMOVED. SUPPLY AND INSTALL NEW FUSED DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
8. EXISTING 400A, 3P, 600V DISCONNECT SWITCH, TO BE REMOVED. SUPPLY AND INSTALL NEW DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.

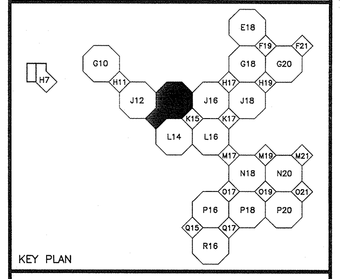
K13 MECHANICAL ROOM PARTIAL FLOOR PLAN – BASEMENT LEVEL

3 / E109

SCALE : 1:75

0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada



KEY PLAN

REGISTERED PROFESSIONAL ENGINEER
PEGL Newfoundland and Labrador
BERNIE ROBSON
SIGNATURE
2016.08.26
DATE
NEWFOUNDLAND & LABRADOR

PROVINCE OF NEWFOUNDLAND AND LABRADOR
pegnl ENGINEERING PERMIT J0291
STANTEC CONSULTING LTD.
BR 04642
Signature or Member Number (Member-in-Responsible Charge)

revisions		date
0	ISSUED FOR TENDER	AUG 26 2016

project / projet

NORTHWEST ATLANTIC FISHERIES CENTRE MAIN ELECTRICAL UPGRADES

drawing / dessin

PARTIAL FLOOR PLANS J14, K13 & G10

designed B.Ropson / conçu
date March 2016
drawn J. Dillon / dessiné
date March 2016
approved / approuvé
date
Tender / Soumission
PWGSC Project Manager / Administrateur de projets TPSGC — Sandy Oke 2016-09-12

project number / no. du projet
R.072210.001

drawing no. / no. du dessin
E109

E-DRM/GDD-E: 543115

PWGSC B1 (2004)

0 10 20mm 40 60 80 100 120 140 160 180 200mm