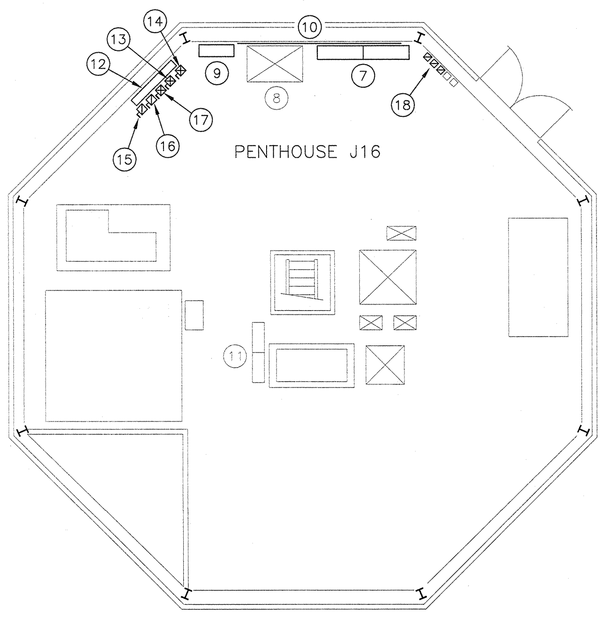
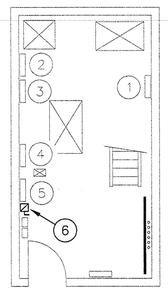




SERVICE SPACE L2

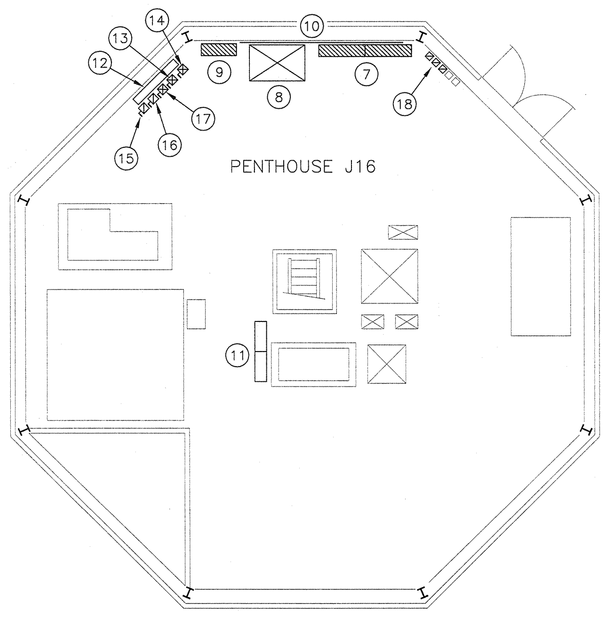
1. EXISTING PANEL J162HA, 225A, 347/600V, 3PH, 4W.
2. EXISTING PANEL J162HBC, 225A, 347/600V, 3PH, 4W.
3. EXISTING PANEL J162HBD, 225A, 347/600V, 3PH, 4W.
4. EXISTING PANEL J162HBA, PERIMETER HEAT PANEL 347/600V, 3PH, 4W.
5. EXISTING PANEL J162HB, 100A, 347/600V, 3PH, 4W.
6. NEW 60A, 600V FUSED (AT 60A) DISCONNECT SWITCH FOR STEP CONTROLLER.
7. NEW PANEL J163PA, 800A, 347/600V, 3PH, 4W. SEE RISER DIAGRAM FOR DETAILS.
8. EXISTING 112.5KVA TRANSFORMER 600:120/208V, 3P.
9. NEW 400A PANEL J163DA, 120/208V, 3PH, 4W. SEE PANEL SCHEDULE FOR BREAKER DETAILS.
10. EXISTING GROUND BUS.
11. EXISTING DDC PANEL.
12. NEW 225A, 600V, 4P SPLITTER.
13. NEW COMBINATION MOTOR STARTER FOR 600V FAN 'J16–R1'.
14. NEW COMBINATION MOTOR STARTER FOR 600V FAN 'J16–E1'.
15. NEW 60A, 3P, 600V FUSED (AT 50A) DISCONNECT SWITCH FOR 600V HUMIDIFIER J16–H1.
16. NEW 100A, 3P, 600V FUSED (AT 90A) DISCONNECT SWITCH FOR 600V HEATING COIL J16–S1.
17. NEW COMBINATION MOTOR STARTER FOR 600V FAN 'J16–S1'.
18. TYPICAL FOR THREE: NEW 120V MANUAL MOTOR STARTER.

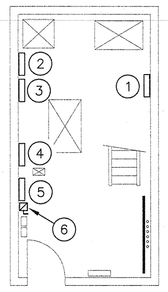
REVISED PENTHOUSE J16 FLOOR PLAN

3 / E107

SCALE : 1:75

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





SERVICE SPACE L2

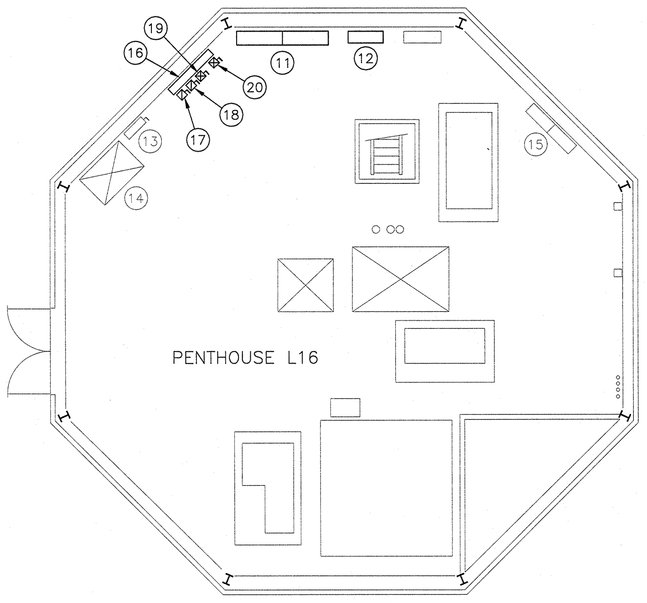
1. EXISTING PANEL J162HA, 225A, 347/600V, 3PH, 4W, TO REMAIN.
2. EXISTING PANEL J162HBC, 225A, 347/600V, 3PH, 4W, TO REMAIN.
3. EXISTING PANEL J162HBD, 225A, 347/600V, 3PH, 4W, TO REMAIN.
4. EXISTING PANEL J162HBA, PERIMETER HEAT PANEL 347/600V, 3PH, 4W, TO REMAIN.
5. EXISTING PANEL J162HB, 100A, 347/600V, 3PH, 4W, TO REMAIN.
6. EXISTING 60A, 600V FUSED (AT 60A) DISCONNECT SWITCH FOR STEP CONTROLLER TO BE REMOVED. SUPPLY AND INSTALL NEW DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
7. EXISTING PANEL J163PA, 800A, 347/600V, 3PH, 4W, TO BE REMOVED.
8. EXISTING 112.5KVA TRANSFORMER 600:120/208V, 3PH, TO REMAIN.
9. EXISTING PANEL J163DA, 400A, 120/208V, 3PH, TO BE REMOVED.
10. EXISTING GROUND BUS, TO REMAIN.
11. EXISTING DDC PANEL, TO REMAIN.
12. EXISTING 225A, 600V, 4P SPLITTER TO BE REMOVED AND REPLACED WITH NEW. LENGTH TO MATCH EXISTING.
13. EXISTING COMBINATION MOTOR STARTER FOR 600V FAN 'J16–R1' TO BE REMOVED AND REPLACED WITH NEW. STARTER SIZE, OVERLOADS AND CHARACTERISTICS TO MATCH EXISTING. PROVIDE NEW WIRE AND CONDUIT AS REQUIRED ACCOMMODATE NEW INSTALLATION. SEE DRAWING E705 FOR TYPICAL DETAILS.
14. EXISTING COMBINATION MOTOR STARTER FOR 600V FAN 'J16–E1' TO BE REMOVED AND REPLACED WITH NEW. STARTER SIZE, OVERLOADS AND CHARACTERISTICS TO MATCH EXISTING. PROVIDE NEW WIRE AND CONDUIT AS REQUIRED ACCOMMODATE NEW INSTALLATION. SEE DRAWING E705 FOR TYPICAL DETAILS.
15. EXISTING 60A, 3P, 600V FUSED (AT 50A) DISCONNECT SWITCH FOR 600V HUMIDIFIER J16–H1, TO BE REMOVED. SUPPLY AND INSTALL NEW FUSED DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
16. EXISTING 100A, 3P, 600V FUSED (AT 90A) DISCONNECT SWITCH FOR 600V HEATING COIL J16–S1, TO BE REMOVED. SUPPLY AND INSTALL NEW FUSED DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
17. EXISTING COMBINATION MOTOR STARTER FOR 600V FAN 'J16–S1' TO BE REMOVED AND REPLACED WITH NEW. STARTER SIZE, OVERLOADS AND CHARACTERISTICS TO MATCH EXISTING. PROVIDE NEW WIRE AND CONDUIT AS REQUIRED ACCOMMODATE NEW INSTALLATION. SEE DRAWING E705 FOR TYPICAL DETAILS.
18. TYPICAL FOR THREE: 120V MANUAL MOTOR STARTER TO BE REMOVED AND REPLACED WITH NEW. STARTER SIZE AND CHARACTERISTICS TO MATCH EXISTING. PROVIDE NEW WIRE AND CONDUIT AS REQUIRED ACCOMMODATE NEW INSTALLATION. SEE DRAWING E705 FOR TYPICAL DETAILS.

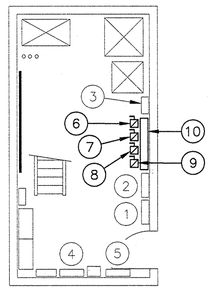
EXISTING PENTHOUSE J16 FLOOR PLAN

1 / E107

SCALE : 1:75

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





SERVICE SPACE L2

1. EXISTING PANEL L162HA, 347/600V, 225A, 3PH, 4W.
2. EXISTING PANEL L162HB, 347/600V, 100A, 3PH, 4W.
3. EXISTING PANEL L162RB, 120/208V, 225A, 3PH, 4W.
4. EXISTING PANEL L162HD, 347/600V, 100A, 3PH, 4W.
5. EXISTING PANEL L162HC, 347/600V, 100A, 3PH, 4W.
6. NEW 60A, 600V FUSED (AT 40A) DISCONNECT SWITCH FOR L16–2HD.
7. NEW 60A, 600V FUSED (AT 50A) DISCONNECT SWITCH FOR L16–2HC.
8. NEW 60A, 600V FUSED (AT 40A) DISCONNECT SWITCH FOR L16–2HB.
9. NEW 60A, 600V FUSED (AT 60A) DISCONNECT SWITCH FOR STEP CONTROLLER.
10. NEW 225A, 600V, 4P SPLITTER.
11. NEW PANEL L163PA, 347/600V, 800A, 3PH, 4W. SEE RISER DIAGRAM FOR BREAKER DETAILS.
12. NEW PANEL L163DA, 120/208V, 400A, 3PH, 4W. SEE RISER DIAGRAM FOR BREAKER DETAILS.
13. EXISTING 400A, 3P DISCONNECT (FUSED AT 300A) FOR TRANSFORMER L163T1.
14. EXISTING 112.5KVA TRANSFORMER L16T31, 600:120/208V, 3PH.
15. EXISTING DDC PANEL.
16. NEW 225A, 600V SPLITTER.
17. NEW 60A, 3P, 600V FUSED (AT 50A) DISCONNECT SWITCH FOR 600V HUMIDIFIER L16–H1.
18. NEW 100A, 3P, 600V FUSED (AT 70A) DISCONNECT SWITCH FOR 600V HEATING COIL L16–S1.
19. NEW COMBINATION MOTOR STARTER FOR 600V FAN 'L16–S1'.
20. NEW COMBINATION MOTOR STARTER FOR 600V FAN 'L16–R1'.
21. NEW SCR CONTROLLER FOR L16 DUCT HEATER (55KW, 600V, 3ø, 3W).

REVISED PENTHOUSE L16 FLOOR PLAN

4 / E107

SCALE : 1:75

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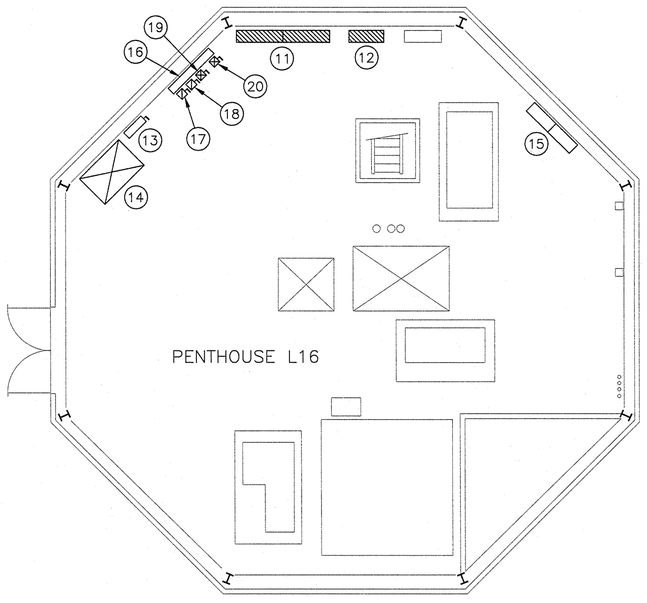

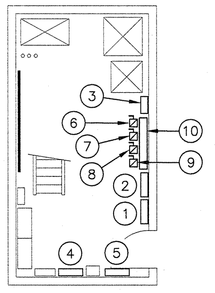

SERVICE SPACE L2

1. EXISTING PANEL L162HA, 347/600V, 225A, 3PH, 4W, TO REMAIN.
2. EXISTING PANEL L162HB, 347/600V, 100A, 3PH, 4W, TO REMAIN.
3. EXISTING PANEL L162RB, 120/208V, 225A, 3PH, 4W, TO REMAIN.
4. EXISTING PANEL L162HD, 347/600V, 100A, 3PH, 4W, TO REMAIN.
5. EXISTING PANEL L162HC, 347/600V, 100A, 3PH, 4W, TO REMAIN.
6. EXISTING 60A, 600V FUSED (AT 40A) DISCONNECT SWITCH FOR L16–2HD TO BE REMOVED. SUPPLY AND INSTALL NEW DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
7. EXISTING 60A, 600V FUSED (AT 50A) DISCONNECT SWITCH FOR L16–2HC TO BE REMOVED. SUPPLY AND INSTALL NEW DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
8. EXISTING 60A, 600V FUSED (AT 40A) DISCONNECT SWITCH FOR L16–2HB TO BE REMOVED. SUPPLY AND INSTALL NEW DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
9. EXISTING 60A, 600V FUSED (AT 60A) DISCONNECT SWITCH FOR STEP CONTROLLER TO BE REMOVED. SUPPLY AND INSTALL NEW DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
10. EXISTING 225A, 600V, 4P SPLITTER TO BE REMOVED AND REPLACED WITH NEW. LENGTH TO MATCH EXISTING.
11. EXISTING PANEL L163PA, 347/600V, 800A, 3PH, 4W, TO BE REMOVED.
12. EXISTING PANEL L163DA, 120/208V, 400A, 3PH, 4W, TO BE REMOVED.
13. EXISTING 400A, 3P DISCONNECT (FUSED AT 300A) FOR TRANSFORMER L163T1, TO REMAIN.
14. EXISTING 112.5KVA TRANSFORMER L16T31, 600:120/208V, 3PH, TO REMAIN.
15. EXISTING DDC PANEL, TO REMAIN.
16. EXISTING 225A, 600V SPLITTER TO BE REMOVED AND REPLACED WITH NEW. LENGTH TO MATCH EXISTING.
17. EXISTING 60A, 3P, 600V FUSED (AT 50A) DISCONNECT SWITCH FOR 600V HUMIDIFIER L16–H1, TO BE REMOVED. SUPPLY AND INSTALL NEW FUSED DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
18. EXISTING 100A, 3P, 600V FUSED (AT 70A) DISCONNECT SWITCH FOR 600V HEATING COIL L16–S1, TO BE REMOVED. SUPPLY AND INSTALL NEW FUSED DISCONNECT TO MATCH EXISTING, EXTEND WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.
19. EXISTING COMBINATION MOTOR STARTER FOR 600V FAN 'L16–S1' TO BE REMOVED AND REPLACED WITH NEW. STARTER SIZE, FUSING AND CHARACTERISTICS TO MATCH EXISTING. PROVIDE NEW WIRE AND CONDUIT AS REQUIRED ACCOMMODATE NEW INSTALLATION. SEE DRAWING E705 FOR TYPICAL DETAILS.
20. EXISTING COMBINATION MOTOR STARTER FOR 600V FAN 'L16–R1' TO BE REMOVED AND REPLACED WITH NEW. STARTER SIZE, FUSING AND CHARACTERISTICS TO MATCH EXISTING. PROVIDE NEW WIRE AND CONDUIT AS REQUIRED ACCOMMODATE NEW INSTALLATION. SEE DRAWING E705 FOR TYPICAL DETAILS.
21. EXISTING SCR CONTROLLER FOR L16 DUCT HEATER (55KW, 600V, 3ø, 3W) TO BE REMOVED AND REPLACED WITH NEW. SIZE, FUSING AND CHARACTERISTICS TO MATCH EXISTING. PROVIDE NEW WIRE AND CONDUIT AS REQUIRED TO ACCOMMODATE NEW INSTALLATION.

EXISTING PENTHOUSE L16 FLOOR PLAN

2 / E107

SCALE : 1:75

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

PWGSC B1 (2004)

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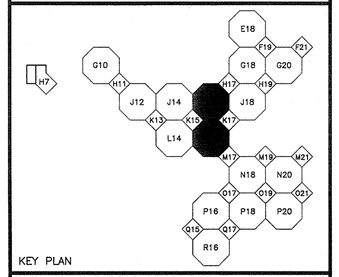
E-DRM/GDD-E: 543115

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



KEY PLAN

REGISTERED PROFESSIONAL ENGINEER — PEGNL Newfoundland and Labrador — BERNIE ROPSON — 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 PENTHOUSES J16 & L16

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

project number / no. du projet: R.072210.001

drawing no. / no. du dessin: E107