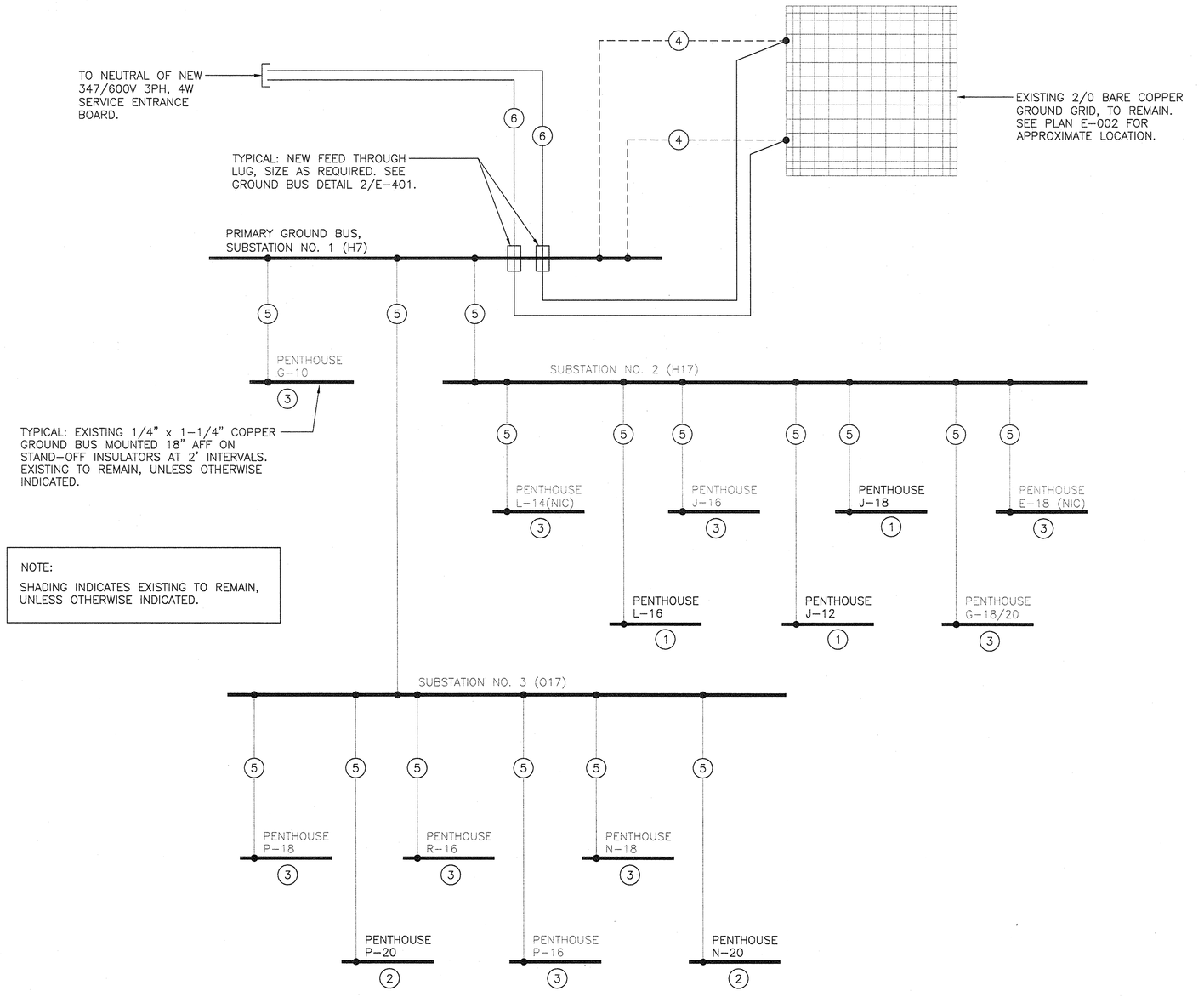

NOTE:

SHADING INDICATES EXISTING TO REMAIN, UNLESS OTHERWISE INDICATED.

1. EXISTING COPPER GROUND BUS. RECONNECT TO WALL, PROVIDE NEW INSULATORS AT 2' INTERVALS AS REQUIRED.
2. INSTALL NEW 1/4" x 1-1/4" COPPER GROUND BUS, PROVIDE NEW INSULATORS AT 2' INTERVALS AND LUGS AS REQUIRED. LENGTH TO MATCH EXISTING.
3. EXISTING COPPER GROUND BUS, TO REMAIN.
4. EXISTING 2/0 BARE COPPER GROUND WIRE FROM GROUND GRID TO PRIMARY GROUND BUS IN ELECTRICAL H7, TO BE REMOVED.
5. EXISTING GROUND WIRE IN CONDUIT TO REMAIN.
6. NEW NO. 3/0 AWG GREEN COPPER GROUND IN 27mmø CONDUIT. GROUND WIRE TO BE 3/0 BARE COPPER ON EXTERIOR OF BUILDING.
7. UNLESS OTHERWISE INDICATED, ALL EXISTING GROUNDING AND BONDING CONDUCTORS ARE TO BE RECONNECTED TO NEW SWITCHGEAR.

EXISTING/REVISED GROUND RISER

SCALE : N.T.S.

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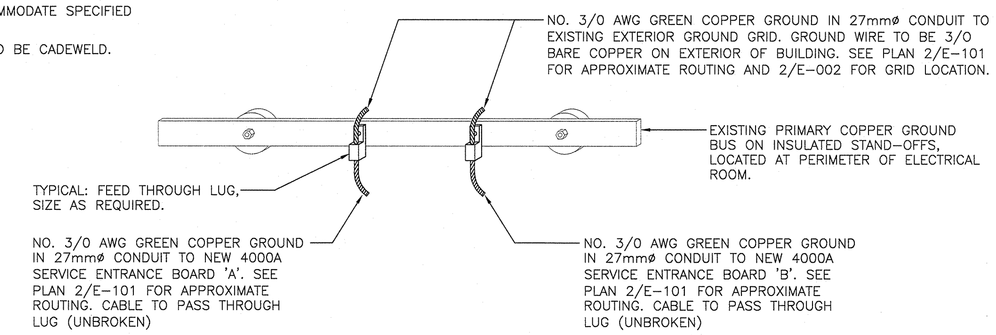
NOTES:

1. TERMINATE CONDUITS CONTAINING GROUND CONDUCTORS 150mm BELOW OR ABOVE BUS WITH NYLON INSULATED GROUNDING BUSHINGS & #14 BONDING JUMPER.
2. DRILL GROUND BUS TO ACCOMMODATE SPECIFIED CONNECTORS.
3. ALL GROUND CONNECTIONS TO BE CADEWELD.



SERVICE BOARD GROUNDING DETAIL

SCALE : N.T.S.

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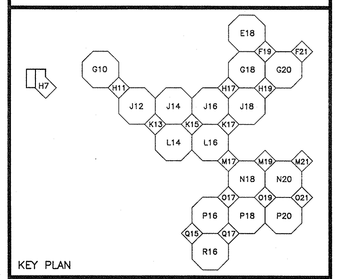
Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada



KEY PLAN

REGISTERED PROFESSIONAL ENGINEER — PEGL — Manufacturing and Fabrication — 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

GROUND RISER AND DETAIL

designed / conçu	B.Ropson
date	March 2016
drawn / dessiné	J. Dillon
date	March 2016
approved / approuvé	
date	
Tender / Soumission	Sandy Oke 2016-09-12
PWGSC Project Manager / Administrateur de projets TPSGC	
project number / no. du projet	R.072210.001
drawing no. / no. du dessin	E401

PWGSC B1 (2004)

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

E-DRM/GDD-E: 543115