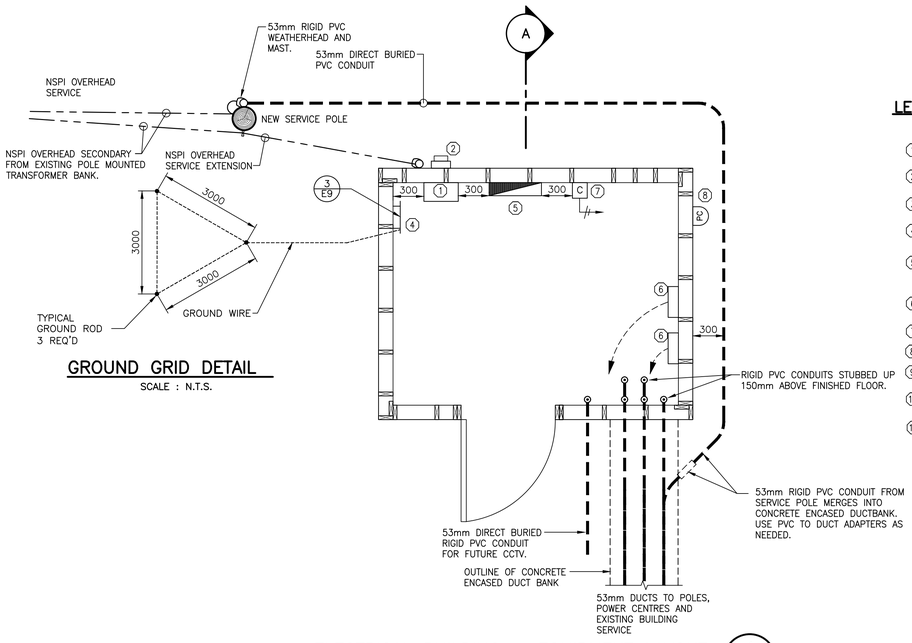


GROUND GRID DETAIL

SCALE : N.T.S.

LEGEND – ELECTRICAL BUILDING EQUIPMENT (E)

(1) – NEW LSI 200 AMP, 250V, 1ø, 3W, SN SERVICE ENTRANCE 100% RATED MAIN CIRCUIT BREAKER c/w ADJUSTABLE TRIP AND CSA 1 ENCLOSURE. TRIP SET AT 105 AMPS.

(2) – 4 JAW HEAVYDUTY METERBASE IN A CSA 3R ENCLOSURE. METER BY NSPI.

(3) – NOT USED.

(4) – COPPER GROUND BAR. 24.2mm (h) x 3.2mm (tk) x 300mm (l) MOUNTED 300mm A.F.F. ON GLASS INSULATORS.

(5) – PANEL 'A': 200 AMP, 120/240 VOLT, 1 PHASE, 3 WIRE DISTRIBUTION PANEL BOARD. 30 CIRCUIT, 225 AMP MAINS. COPPER INTERIOR c/w BRANCH CIRCUIT BREAKERS AS INDICATED ON PANEL SCHEDULE, DRAWING E3.

(6) – WALL MOUNTED PULL BOXES MOUNTED @ 1500mm A.F.F. SIZED AS PER CEC. MOUNTED ON WALL ABOVE CONDUITS.

(7) – 3 POLE LIGHTING CONTACTOR, 120V COIL; 20A, 120V CONTACTS

(8) – PHOTO CELL

(9) – LED SURFACE AMBIENT LUMINAIRE, 120V, 90 CRI SUSPENDED @ 2.5m A.F.F., 44W, 4000 LUMENS @ 4000K, LED SUPPLIED WITH FIXTURE.

(10) – 1125W, 240V WALL FAN HEATER, SURFACE MOUNTED, WHITE c/w INTEGRAL THERMOSTAT.

(11) – OUTDOOR LED WALL MOUNT LUMINAIRE, WALL MOUNTED @ 2.5m A.F.F., 120V, 70 CRI, TYPE 3 DISTRIBUTION, CSA APPROVED, 42W, 4100 LUMENS @ 4000K, LED SUPPLIED WITH FIXTURE.

ELECTRICAL BUILDING – EQUIPMENT LAYOUT

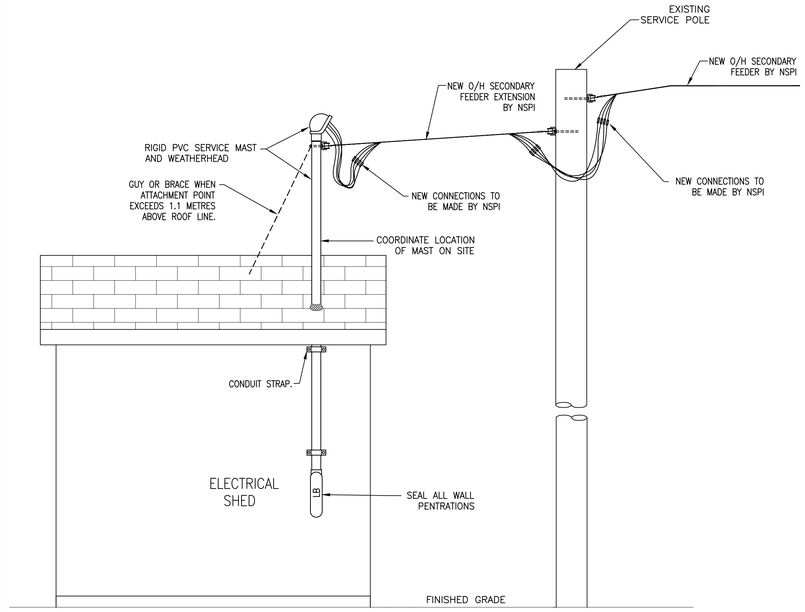
1 / E1 E9

SCALE: 1:25

0mm 500mm 1000mm 1500mm 2000mm 2500mm

NOTE:

1. ALL EQUIPMENT/WIRING ETC.... IN ELECTRICAL SHED TO BE SURFACE MOUNTED.
2. ALL DIMENSIONS ARE IN MILLIMETERS.



SERVICE MAST AND WEATHERHEAD DETAIL

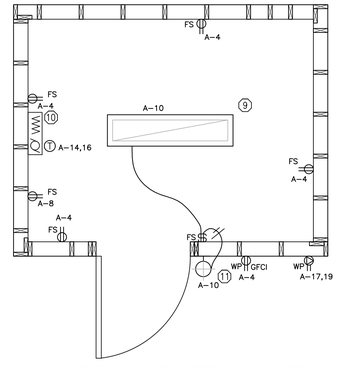
3 / E9

SCALE: 1:25

0mm 500mm 1000mm 1500mm 2000mm 2500mm

NOTE:

1. SERVICE MAST AND ALL CONNECTIONS TO BE MADE AS PER NSPI STANDARDS.



LEGEND:

WP FS – 50A, 240V, TWIST-LOCK RECEPTACLE c/w WEATHERPROOF COVER.

FS – 20A, 120V, T-SLOT U-GROUND RECEPTACLE. SURFACE MOUNTED IN AN "FS" CAST BOX.

GFCI WP – 20A, 120V, T-SLOT U-GROUND GFCI RECEPTACLE. c/w WEATHERPROOF COVER.

FS – DOUBLE GANGED 15A, 120V TOGGLE SWITCHES. SURFACE MOUNTED IN AN "FS" CAST BOX.

NOTE:

1. REFERENCE DRAWING A1 FOR BUILDING STRUCTURAL PLANS AND SPECIFICATIONS.

ELECTRICAL BUILDING – POWER & LIGHTING LAYOUT

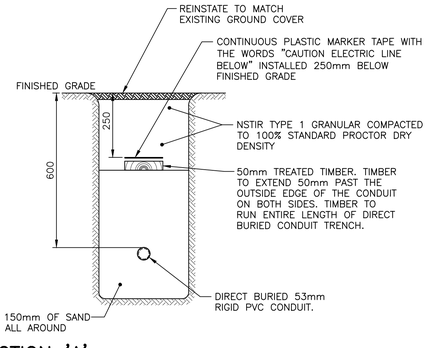
2 / E9

SCALE: 1:25

0mm 500mm 1000mm 1500mm 2000mm 2500mm

NOTE:

1. ALL EQUIPMENT/WIRING ETC.... IN ELECTRICAL SHED TO BE SURFACE MOUNTED.
2. ALL DIMENSIONS ARE IN MILLIMETERS.

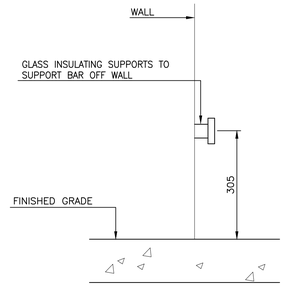


SECTION 'A'

SCALE : 1:10

0mm 100 200 300 400 500 600 700 800 900 1000mm

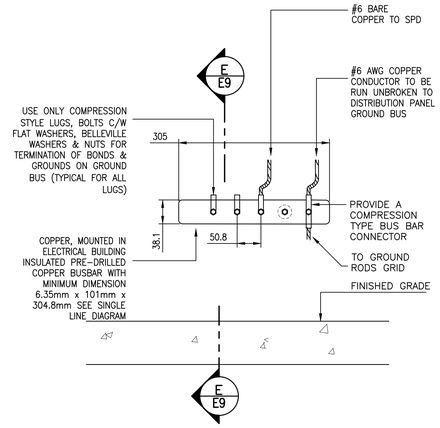
NOTE: ALL DIMENSIONS ARE IN MILLIMETERS.



SECTION

E / E9

SCALE : N.T.S.



ELEVATION

SCALE : N.T.S.

DETAIL – GROUNDING BAR

4 / E9

SCALE : N.T.S.

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

revisions		date
0	ISSUED FOR TENDER	DEC.13 2019

project / projet

WHARF ELECTRICAL UPGRADES

SCH ALDER POINT NOVA SCOTIA

drawing / dessin

ELECTRICAL BUILDING DETAILS – POWER

designed / conçu: K. WOLFE
date: DECEMBER 2019
drawn / dessiné: K. WOLFE
date: DECEMBER 2019
appr. / approuvé: Digitally signed by Melendez, Victor Manuel Date: 2019.12.13 16:54:12 -04'00'
date:
Tender: MacNeil, Jerome — Soumission
PWGSC Project Manager: Administrateur de projets TPSGC

project number / no. du projet: **R.105816.001**

drawing no. / no. du dessin: **E9**

PWGSC B1 (2004)

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