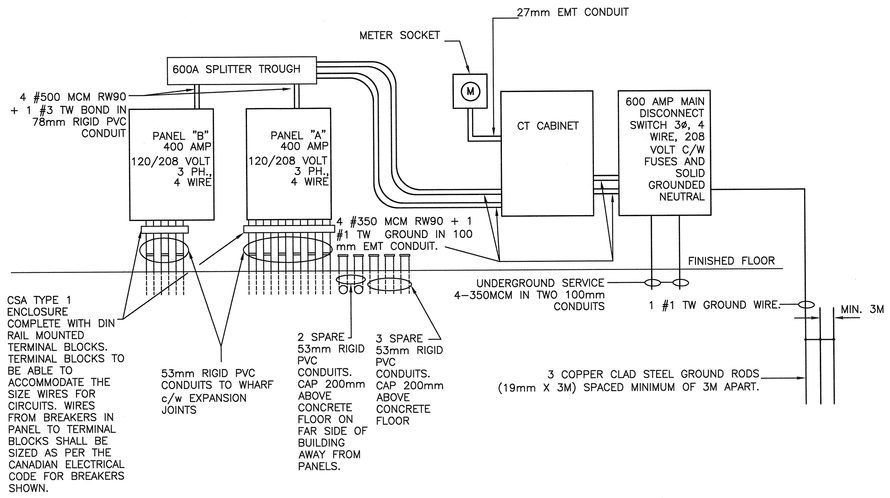
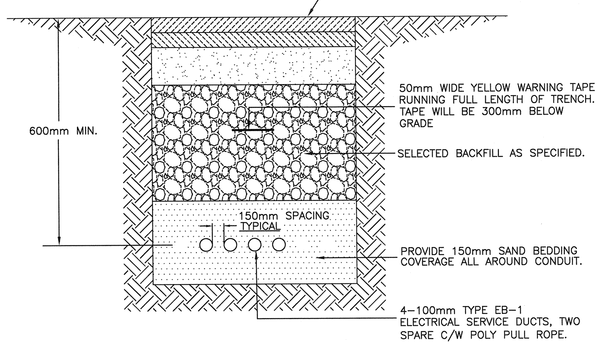


F / E2 SERVICE ENTRANCE
N.T.S.

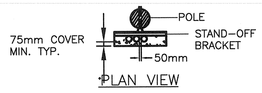
NOTES

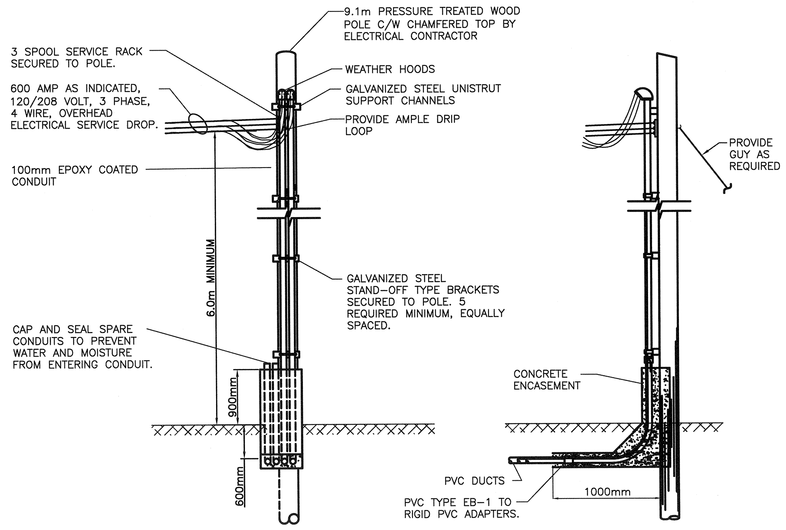
1. SEE CIVIL DRAWINGS AND SPECIFICATION FOR TRENCHING INFORMATION.
2. CONTRACTOR TO REINSTATE ALL FINISHED GRASS, CONCRETE AND PAVED AREAS TO CONDITIONS PRIOR TO EXCAVATION.

NOTE:
COORDINATE WITH GENERAL CONTRACTOR FOR FINAL GRADE FINISHES. PROVIDE EXTRA FILL TO ALLOW FOR SETTLING. ASPHALT ONLY FOR ROAD SECTIONS. FOR JIB CRANE ON EXISTING MARGINAL WHARF, ONLY ONE CONDUIT SHALL BE IN TRENCH.

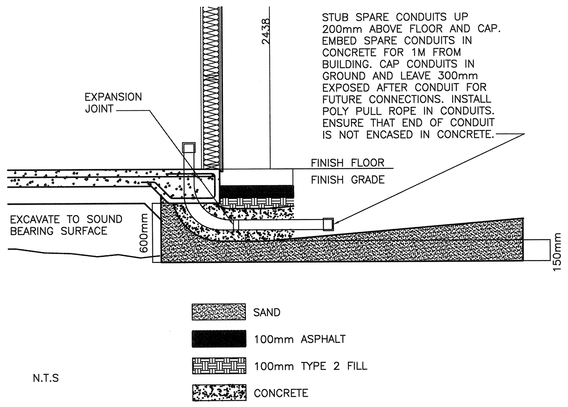


P / E1 E3 UNDERGROUND TRENCHING SERVICE ENTRANCE
N.T.S.



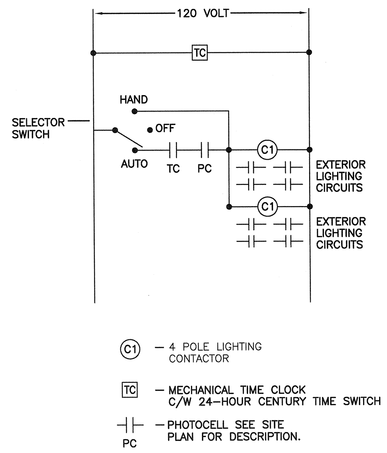


G / E1 E3 SERVICE POLE DETAIL
N.T.S.



N.T.S

N / E1 E3 SPARE CONDUIT DETAIL
N.T.S.



H / E2 EXTERIOR LIGHTING CONTROL
N.T.S.

LOCATION: ELECTRICAL SHED

PANEL SCHEDULE

PANEL A
TYPE 42 CIRCUIT SURFACE CABINET - BOTTOM ENTRY. COMPLETE WITH 400A MAIN BREAKER
RATING 120/208V, 3PH., 4W., 400 AMP
STANDARD OF ACCEPTANCE
MINIMUM INTERUPTING CAPACITY 10000 R.M.S. SYMM AMPERES
NOTES PANEL FED FROM 600A SPLITTER TROUGH

CIRCUIT DESCRIPTION	LOAD WATTS	WIRE SIZE	BRKR SIZE	CIRCUIT NO.	BRKR SIZE	WIRE SIZE	LOAD WATTS	CIRCUIT DESCRIPTION
RECEP 1 PEDESTAL 1	8320	8	50/2	1 2 / 3 4	50/2	4	8320	RECEP 6 PEDESTAL 2
RECEP 2 PEDESTAL 1	2880	8	30	5 6	30	4	2880	RECEP 7 PEDESTAL 2
RECEP 3 PEDESTAL 1	2880	8	30	7 8	30	4	2880	RECEP 8 PEDESTAL 2
RECEP 4 PEDESTAL 1	2880	8	30	9 10	30	4	2880	RECEP 9 PEDESTAL 2
RECEP 11 PEDESTAL 3	8320	2	50/2	11 12 / 13 14	30	2	2880	RECEP 12 PEDESTAL 3 / RECEP 13 PEDESTAL 3
LIGHTS 1,2	300	10	15	15 16	30	2	2880	RECEP 14 PEDESTAL 3
RECEP 5 PEDESTAL 1	1440	10	15	17 18	15	8	300	LIGHTS 3,4
RECEP 10 PEDESTAL 2	1440	8	15	19 20	30			SPARE
RECEP 15 PEDESTAL 3	1440	6	15	21 22	30			SPARE
LIGHTS 5,6	300	6	15	23 24	15			SPARE
LIGHTS 7,8	300	6	15	25 26	15			SPARE
				27 28				
				29 30				
				31 32				
				33 34				
				35 36				
				37 38				
				39 40				
				41 42				

1. PROVIDE TYPE WRITTEN DIRECTORY.
CONNECTED LOAD: 56400 W

PANELBOARDS TO BE C/W GROUNDED NEUTRAL, GROUND AND NEUTRAL BLOCKS, BOLT-ON TYPE BREAKERS WITH AN I.C. RATING AS INDICATED, RMS SYMMETRICAL AT PANEL VOLTAGE. PROVIDE LAMICOID NAMEPLATE STATING PANEL DESIGNATION, VOLTAGE, PHASE AND AMPERAGE, TYPE WRITTEN DIRECTORY, DRIP SHIELD AND LOCKING DOOR. PANEL TO BE KEYED ALIKE. INSTALLATION OF PANEL TO BE WALL MOUNT ON 19mm THICK PLYWOOD BACKBOARD. PAINT PLYWOOD LIGHT GRAY.

LOCATION: ELECTRICAL SHED

PANEL SCHEDULE

PANEL B
TYPE 42 CIRCUIT SURFACE CABINET - BOTTOM ENTRY. COMPLETE WITH 400A MAIN BREAKER
RATING 120/208V, 3PH., 4W., 400 AMP
STANDARD OF ACCEPTANCE
MINIMUM INTERUPTING CAPACITY 10000 R.M.S. SYMM AMPERES
NOTES PANEL FED FROM 600A SPLITTER TROUGH

CIRCUIT DESCRIPTION	LOAD WATTS	WIRE SIZE	BRKR SIZE	CIRCUIT NO.	BRKR SIZE	WIRE SIZE	LOAD WATTS	CIRCUIT DESCRIPTION
RECEP 26 PEDESTAL 6	8320	6	50/2	1 2 / 3 4	50/2	4	8320	RECEP 21 PEDESTAL 5
RECEP 27 PEDESTAL 6	2880	6	30	5 6	30	4	2880	RECEP 22 PEDESTAL 5
RECEP 28 PEDESTAL 6	2880	6	30	7 8	30	4	2880	RECEP 23 PEDESTAL 5
RECEP 29 PEDESTAL 6	2880	6	30	9 10	30	4	2880	RECEP 24 PEDESTAL 5
RECEP 16 PEDESTAL 4	8320	2	50/2	11 12 / 13 14	30	2	2880	RECEP 17 PEDESTAL 4 / RECEP 18 PEDESTAL 4
SHED LIGHTING	200	12	15	15 16	30	2	2880	RECEP 19 PEDESTAL 4
RECEP ELECTRICAL SHED	200	12	15	17 18	15	12	150	LIGHTING CONTROLLER
SHED HEATER	1250	12	20/2	19 20 / 21 22	30			SPARE
RECEP 30 PEDESTAL 6	1440	10	15	23 24				
RECEP 25 PEDESTAL 5	1440	8	15	25 26				
RECEP 20 PEDESTAL 4	1440	6	15	27 28				
				29 30				
				31 32				
				33 34				
				35 36				
				37 38				
				39 40				
				41 42				

1. PROVIDE TYPE WRITTEN DIRECTORY.
CONNECTED LOAD: 57000 W

PANELBOARDS TO BE C/W GROUNDED NEUTRAL, GROUND AND NEUTRAL BLOCKS, BOLT-ON TYPE BREAKERS WITH AN I.C. RATING AS INDICATED, RMS SYMMETRICAL AT PANEL VOLTAGE. PROVIDE LAMICOID NAMEPLATE STATING PANEL DESIGNATION, VOLTAGE, PHASE AND AMPERAGE, TYPE WRITTEN DIRECTORY, DRIP SHIELD AND LOCKING DOOR. PANEL TO BE KEYED ALIKE. INSTALLATION OF PANEL TO BE WALL MOUNT ON 19mm THICK PLYWOOD BACKBOARD. PAINT PLYWOOD LIGHT GRAY.

NOTES

1. CONTRACTOR TO VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS ON SITE. ANY DISCREPANCIES AND/OR UNSATISFACTORY CONDITIONS SHALL BE REPORTED TO THE DEPARTMENTAL REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
2. DO NOT SCALE FROM DRAWINGS.
3. ANY UNDERGROUND SERVICES SHOWN SHALL BE CONSIDERED APPROXIMATE ONLY AND DOES NOT NECESSARY ACCOUNT FOR ALL OF THE UNDERGROUND SERVICES IN THIS AREA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM ALL UNDERGROUND SERVICES PRIOR TO EXCAVATING FOR THE NEW WORK.

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

PROVINCE OF NEWFOUNDLAND AND LABRADOR
PEG Newfoundland and Labrador
PERMIT HOLDER
THIS PERMIT ALLOWS
MADERRA ENGINEERING
To practice Professional Engineering in Newfoundland and Labrador.
Permit No. as issued by PEG which is valid for the year Y0253 2015

STAMP
REGISTERED PROFESSIONAL ENGINEER
PEG Newfoundland and Labrador
JONATHAN E. PEVYN
SIGNATURE
03/27/15
DATE
NEWFOUNDLAND & LABRADOR

1	RE-ISSUED FOR TENDER	3/27/15
0	ISSUED FOR TENDER	5/21/10
C	ISSUED FOR 99% REVIEW	4/21/10
B	ISSUED FOR 66% REVIEW	3/24/10
A	ISSUED FOR REVIEW	2/12/10
revisions		date

project / projet
BREAKWATER WHARF CONSTRUCTION
PORT AU CHOIX, NL

drawing / dessin
ELECTRICAL DETAILS AND PANELS

designed J.F / conçu
date MARCH, 2015
drawn S.P.M / dessiné
date MARCH, 2015
approved J.F / approuvé
date MARCH, 2015
Tender / Soumission
PWGSC Project Manager / Administrateur de projets TPSGC
project number / no. du projet
R.076532.001
drawing no. / no. du dessin
E3 OF 3

E-DRM/GDD-E: 513840

PWGSC B1 (2004)

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