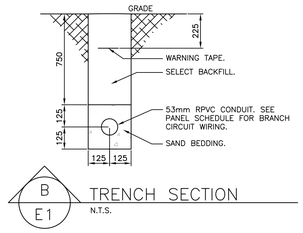

B E1 TRENCH SECTION
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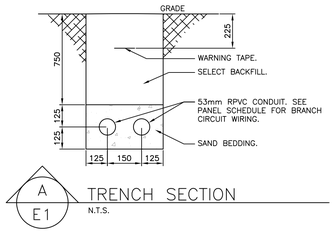

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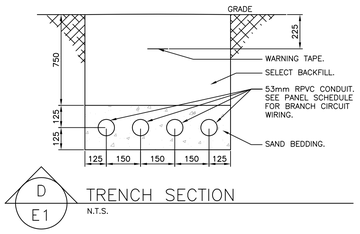

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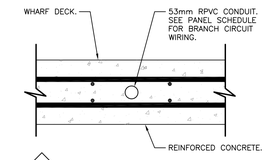

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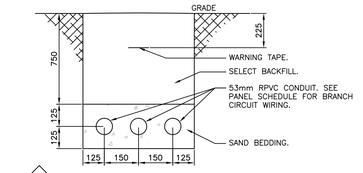

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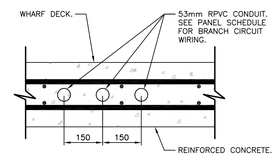

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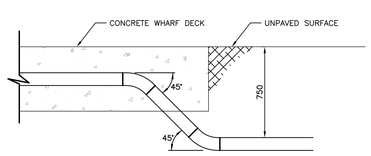


TRANSITION OF CONDUIT AT CONRETE DECK – TYPICAL
N.T.S.

PANEL A PANEL SCHEDULE

TYPE CIRCUIT BREAKER TYPE

RATING 120/240V,1PH.,3W, 400AMP

STANDARD OF ACCEPTANCE CUTLER HAMMER POW–R–LINE 1

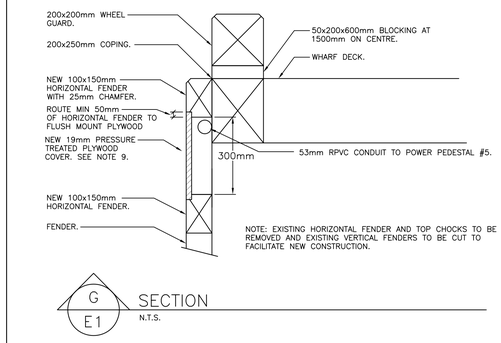
MINIMUM INTERUPTING CAPACITY 10 R.M.S. SYMM AMPERES

NOTES * INDICATES CT FOR ELECTRICAL METERING

CIRCUIT DESCRIPTION	WIRE SIZE	BRKR SIZE	CIRCUIT NO.		BRKR SIZE	WIRE SIZE	CIRCUIT DESCRIPTION
30A RECEPT PEDESTAL # 3 ●	6	30*	1	2	30*	6	● 30A RECEPT PEDESTAL # 1
15A RECEPT PEDESTAL # 3 ●	10	15	3	4	15	10	● 15A RECEPT PEDESTAL # 1
30A RECEPT PEDESTAL # 3 C/W DEDICATED NEUTRAL	10	30*	5	6	30*	10	30A RECEPT PEDESTAL # 1 C/W DEDICATED NEUTRAL
		15	7	8	2P		
30A RECEPT PEDESTAL # 3 C/W DEDICATED NEUTRAL	10	30*	9	10	30*	10	30A RECEPT PEDESTAL # 1 C/W DEDICATED NEUTRAL
		2P	11	12	2P		
50A RECEPT PEDESTAL # 3 C/W DEDICATED NEUTRAL	6	50*	13	14	50*	8	50A RECEPT PEDESTAL # 1 C/W DEDICATED NEUTRAL
		2P	15	16	2P		
50A RECEPT PEDESTAL # 3 C/W DEDICATED NEUTRAL	6	50*	17	18	50*	8	50A RECEPT PEDESTAL # 1 C/W DEDICATED NEUTRAL
		2P	19	20	2P		
30A RECEPT PEDESTAL # 4 ●	4	30*	21	22	30*	8	● 30A RECEPT PEDESTAL # 2
15A RECEPT PEDESTAL # 4 ●	6	15	23	24	15	12	● 15A RECEPT PEDESTAL # 2
30A RECEPT PEDESTAL # 4 C/W DEDICATED NEUTRAL	6	30*	25	26	30*	10	30A RECEPT PEDESTAL # 2 C/W DEDICATED NEUTRAL
		15	27	28	2P		
30A RECEPT PEDESTAL # 4 C/W DEDICATED NEUTRAL	6	30*	29	30	30*	10	30A RECEPT PEDESTAL # 2 C/W DEDICATED NEUTRAL
		2P	31	32	2P		
50A RECEPT PEDESTAL # 4 C/W DEDICATED NEUTRAL	4	50*	33	34	50*	8	50A RECEPT PEDESTAL # 2 C/W DEDICATED NEUTRAL
		2P	35	36	2P		
50A RECEPT PEDESTAL # 4 C/W DEDICATED NEUTRAL	4	50*	37	38	50*	8	50A RECEPT PEDESTAL # 2 C/W DEDICATED NEUTRAL
		2P	39	40	2P		
30A RECEPT PEDESTAL # 5 ●	3	30*	41	42	15	12	SHED LIGHT
15A RECEPT PEDESTAL # 5 ●	6	15	43	44	15	12	SHED RECEPTACLE
30A RECEPT PEDESTAL # 5 C/W DEDICATED NEUTRAL	6	30*	45	46	15	12	SPARE
		15	47	48	20	12	SHED HEAT
30A RECEPT PEDESTAL # 5 C/W DEDICATED NEUTRAL	6	30*	49	50	2P		
		2P	51	52	15		SPARE
50A RECEPT PEDESTAL # 5 C/W DEDICATED NEUTRAL	4	50*	53	54	15		SPARE
		2P	55	56	20		SPARE
50A RECEPT PEDESTAL # 5 C/W DEDICATED NEUTRAL	4	50*	57	58	20		SPARE
		2P	59	60			
METERING PANEL POWER (NEUTRAL REQUIRED)	12	15	61	62			
		2P	63	64			
POLE LIGHTS	12	15	65	66			
POLE LIGHTS	12	15	67	68			
POLE LIGHTS	12	15	69	70			
			71	72			

NOTE:
CONDUCTOR SIZES NOTED ABOVE ARE THE CONDUCTORS SIZES THAT CONTRACTOR IS TO INSTALL IN CONDUITS TO PEDESTAL JUNCTION BOXES AND SITE LIGHTING. CONTRACTOR TO REDUCE CONDUCTOR SIZES IN PVC JUNCTION BOX LOCATED BELOW ELECTRICAL PANEL FOR CONNECTION TO BREAKERS. PROVIDE TERMINAL BLOCKS FOR CONNECTION OF CONDUCTORS. UTILIZE #10 AWG RW90 COPPER FOR TERMINATING AT 30A BREAKERS AND #12 AWG RW90 COPPER FOR ALL OTHERS.

● INDICATES COMMON (SHARED) FULL SIZE NEUTRAL (LARGEST CONDUCTOR SIZE).



G E1 SECTION
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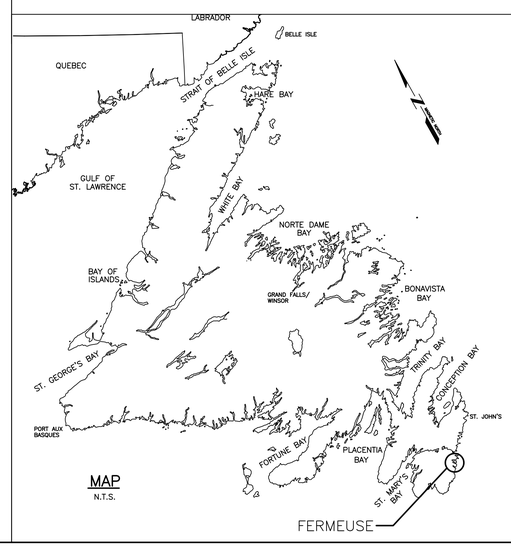
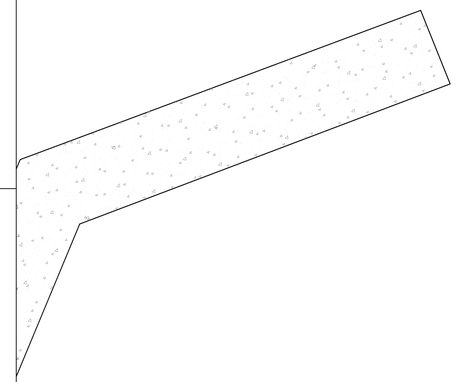
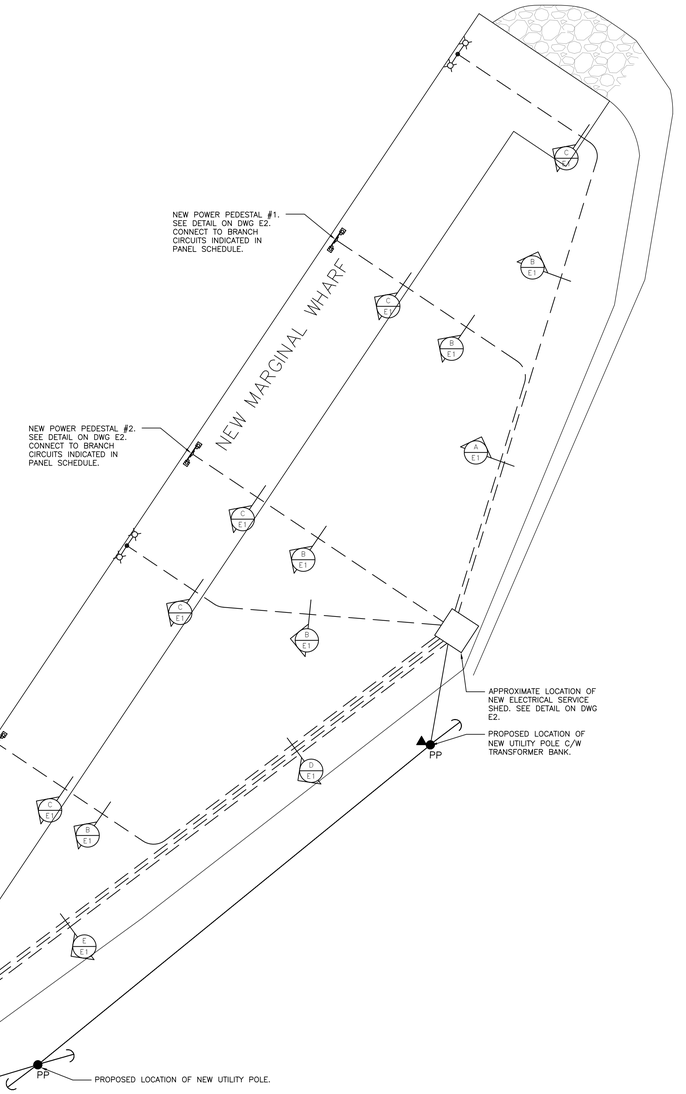


MAP
N.T.S.





ELECTRICAL SITE PLAN
SCALE 1:200

SCALE: 1:200
0m 5m 10m 15m 20m 25m

ELECTRICAL LEGEND

Θ_H	HEATING THERMOSTAT.
⌽	DUPLEX U–GROUND RECEPTACLE, RATED 15A, 125VAC. SEE SPEC FOR DESCRIPTION.
	ELECTRIC HEATER. SURFACE MOUNTED 100mm AFF. 208V, 1ø, 2500W.
A 2500 / A30,32	INDICATES 2500 WATT OUELETTE OFM SERIES, OR APPROVED EQUAL. – INDICATES CONNECTED TO PANEL "A" BREAKER "30,32".
B	LIGHTING FIXTURE TYPE B, CFI #SB248–120H1, OR APPROVED EQUAL. C/W WIREGUARD.
$	TOGGLE SWITCH. SEE SPEC FOR DESCRIPTION
	WOODEN LIGHT POLE. SEE DETAIL ON DRAWING E2.
	ELECTRICAL PEDESTAL. SEE DETAIL ON DRAWING E2.
Ⓔ	EXTERIOR WALL MOUNTED LIGHTING FIXTURE TYPE A, KEENE #313070LXL–120, OR APPROVED EQUAL. C/W VANDAL PACKAGE & BUILT–IN PHOTOCELL. MOUNT DIRECTLY ABOVE DOOR.

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

NOTES:
1. DO NOT SCALE FROM DRAWINGS
2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE BEFORE PROCEEDING WITH ANY PORTION OF THIS WORK.
3. DEPARTMENTAL REPRESENTATIVE HAS FIRST RIGHT OF ALL REMOVED MATERIAL. IF REFUSED, THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL TO AN APPROVED WASTE DISPOSAL SITE.

PROVINCE OF NEWFOUNDLAND AND LABRADOR
PEG Newfoundland and Labrador — PERMIT HOLDER
This Permit Allows
CORE ENGINEERING INC.
To practice Professional Engineering in Newfoundland and Labrador. Permit No. as issued by PEG D0209 which is valid for the year 2013.

STAMP
REGISTERED PROFESSIONAL ENGINEER
KENNETH L. KENDALL
PROVINCE OF NEWFOUNDLAND AND LABRADOR

revisions		date
0	ISSUED FOR TENDER	16SEP2013

project / projet
MARGINAL WHARF CONSTRUCTION FERMEUSE, NL

drawing / dessin
ELECTRICAL SITE PLAN AND DETAILS

designed K. KENDALL / concu
date JULY 2012
drawn C. MONK / dessine
date JULY 2012
approved / approuve
date
Tender / Soumission
PWGSC Project Manager / Administrateur de projets TPSGC
project number / no. du projet
R.065647.001
drawing no. / no. du dessin
E1 OF 2

Plot Scale:
PWGSC B1
0 10 20mm 40 60 80 100 120 140 160 180 200mm
E–DRM/GDD–E: 453954 v1