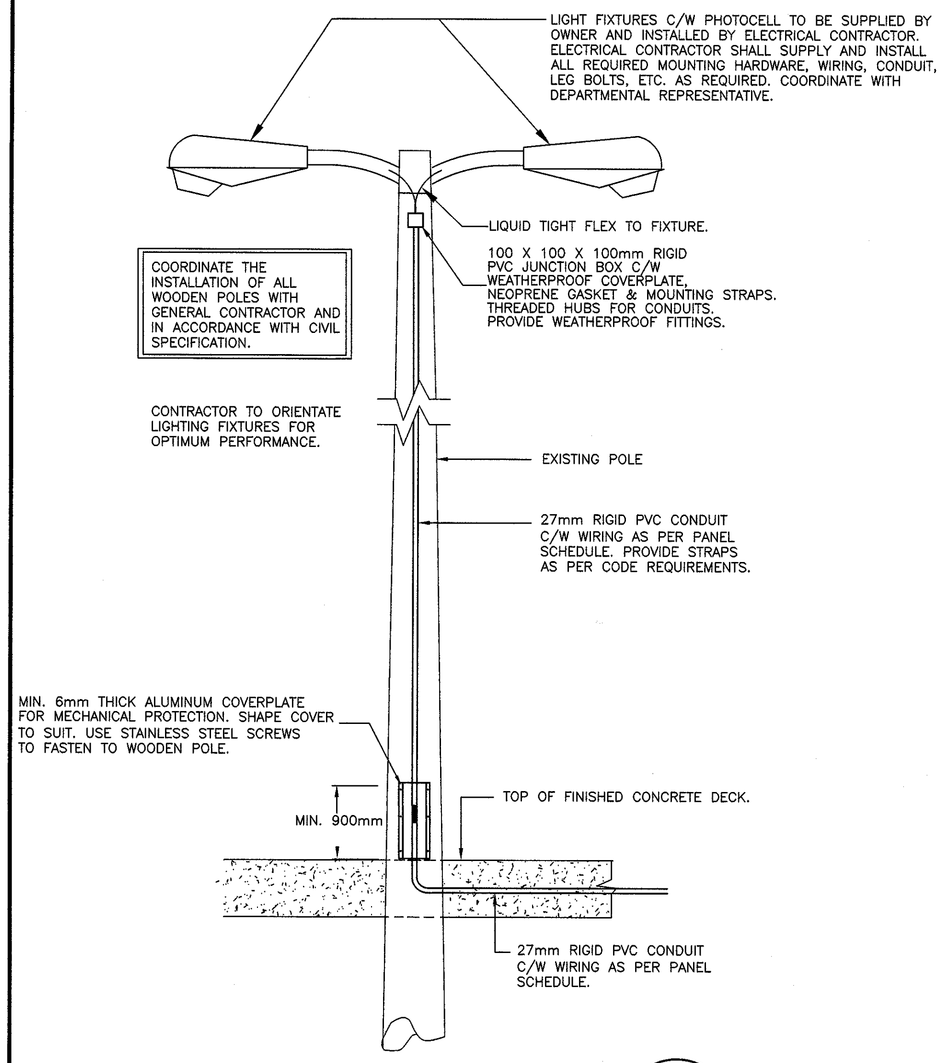


TYPICAL LIGHT POLE AND FIXTURES (ELEVATION) — B / E3

N.T.S.

VOLTS 120/240 PANEL NAME "A" MAINS RATED 200 AMPS
PHASE 1 LOCATION STAINLESS STEEL ENCLOSURE MOUNTING SURFACE
WIRE 3 FED FROM UTILITY ENTER AT — CIRCUITS 42

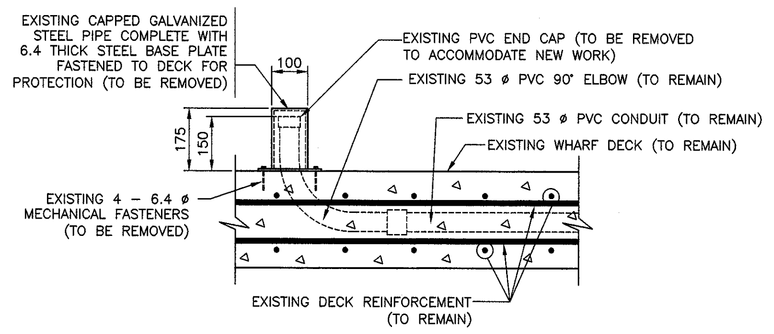
	DESIGNATION	WATTAGE ø A	WATTAGE ø B	WIRE	BKR	CCT	A	B	CCT	BKR	WIRE	WATTAGE ø A	WATTAGE ø B	DESIGNATION
	PEDESTAL #1 (RECEPT. #1)	630		10	15	1			2	15	8	630		PEDESTAL #2 (RECEPT. #1)
	PEDESTAL #1 (RECEPT. #2)		1092	10	20	3			4	30	6		2520	PEDESTAL #2 (RECEPT. #2)
	PEDESTAL #1 (RECEPT. #3)	1092		10	20	5			6	30	6	1638		PEDESTAL #2 (RECEPT. #3)
	PEDESTAL #1 (RECEPT. #4)		2520	8	30	7			8	50	6		4200	PEDESTAL #2 (RECEPT. #4)
	PEDESTAL #1 (RECEPT. #5)	2520		8	30	9			10	2		4200		
	LIGHTING		150	12	15	11			12	20	8		1092	PEDESTAL #2 (RECEPT. #5)
**	RECEPTACLE	120		12	15	13			14					
	HEATING		500	12	15	15			16					
	LIGHTING-LIGHT POLE #1	800		10	15	17			18					
	LIGHTING-LIGHT POLE #2		800	10	15	19			20					
	SPARE				15	21			22					
	SPARE				15	23			24					
	SPARE				15	25			26					
	SPARE				15	27			28					
	SPARE				15	29			30					
						31			32					
						33			34					
						35			36					
						37			38					
						39			40					
						41			42					

ø A TOTAL : 11630
ø B TOTAL : 12874

C/W 200 AMP, 2 POLE MAIN BREAKER

TOTAL LOAD 24.5 KW 102 AMP

* – INDICATES LOCK ON DEVICE
** – INDICATES GROUND FAULT CIRCUIT BREAKER



EXISTING CONDUIT IN DECK

N.T.S.

NOTES

1. NEMA 4X ENCLOSURE TO BE CSA APPROVED C/W LIGHT, HEATER, INSULATION, THERMOSTAT AND LIGHT SWITCH FACTORY INSTALLED.
2. CONFIRM EXACT SIZE OF ALL EQUIPMENT PRIOR TO FABRICATING ENCLOSURE.
3. ENCLOSURE TO BE C/W MINIMUM 30% SPARE CAPACITY.
4. ALL DIMENSIONS GIVEN ARE APPROXIMATE AND SHALL BE CONFIMED BEFORE ENCLOSURE IS FABRICATED.

STAINLESS STEEL ENCLOSURE

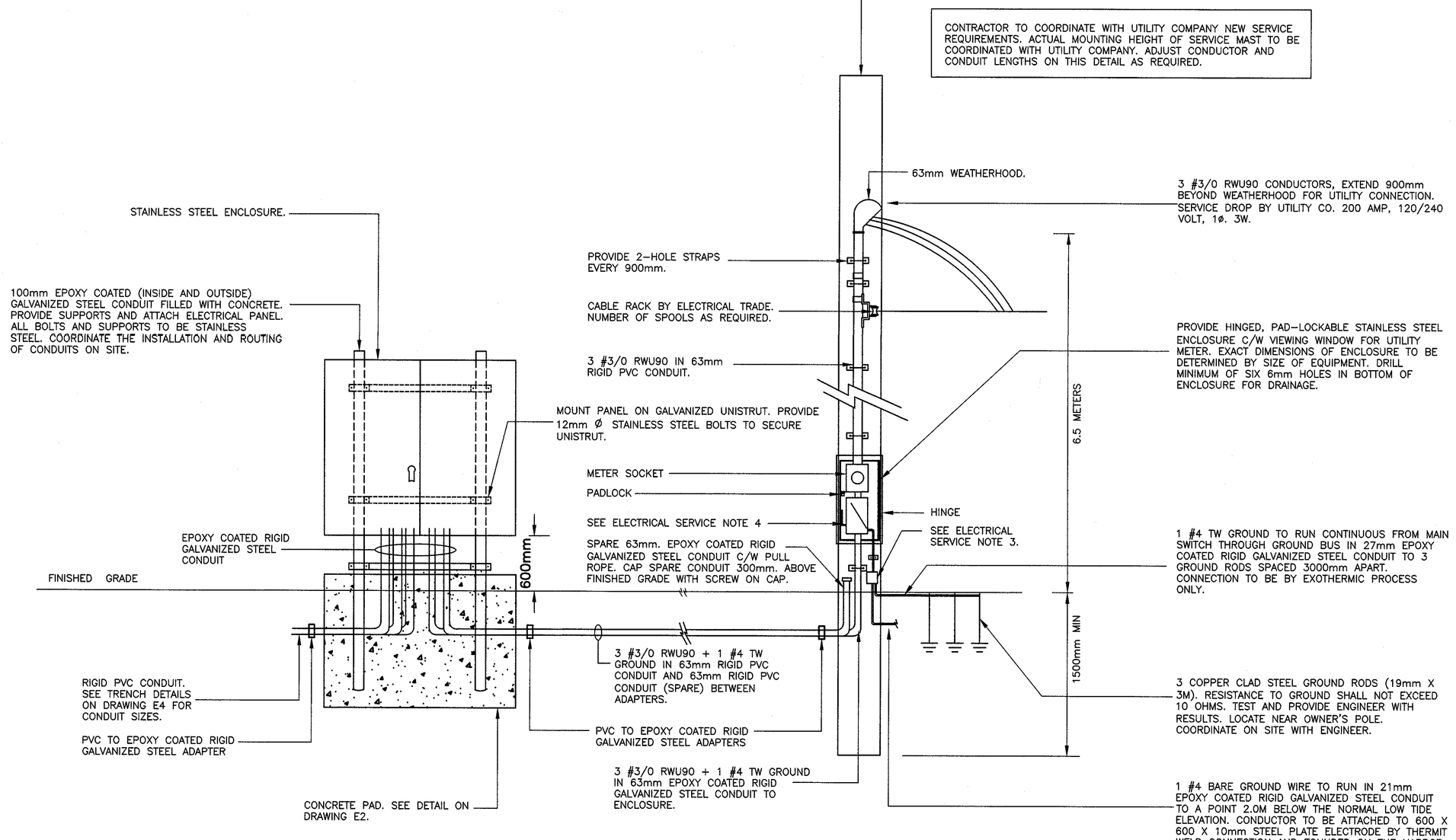
ELECTRICAL SERVICE NOTES

1. RESISTANCE TO GROUND SHALL NOT EXCEED 10 OHMS. TEST AND PROVIDE ENGINEER WITH RESULTS.

2. INSTALL THREE 3.0m x 19mmø COPPERCLAD GROUND RODS, ENSURE GROUND RODS ARE SPACED A MINIMUM OF 3000mm APART. MAKE CONNECTION TO GROUND WIRE FROM NEUTRAL LUG MAIN SWITCH. GROUND ROD CONNECTIONS TO BE BY EXOTHERMIC PROCESS ONLY.

3. 300 X 300mm EEMAC 4X ENCLOSURE C/W GROUND BUS AND LUGS TO ACCOMMODATE THREE (3) #6 TW GROUND CONDUCTORS. PROVIDE VANDAL PROOF SCREWS.

4. HEAVY DUTY SERVICE ENTRANCE RATED 200 AMP, 240 VOLT, 1ø FUSED MAIN SWITCH. EEMAC 4X RATED. TO BE C/W FUSES.



OWNER'S SERVICE POLE & ELECTRICAL ENCLOSURE ELEVATION — A / E3

N.T.S.

CEL PROJECT #14-1850

Fisheries and Oceans Canada / Pêches et Océans Canada

SMALL CRAFT HARBOURS

NOTES:
1. DO NOT SCALE FROM THIS DRAWING.
2. CONTRACTOR TO VERIFY ALL DIMENSIONS ON SITE BEFORE PROCEEDING WITH THIS WORK.
3. ALL WORK TO BE IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF: THE NATIONAL BUILDING CODE OF CANADA, LATEST EDITION; CANADIAN ELECTRICAL CODE, CURRENT EDITION; ANY OTHER AUTHORITIES HAVING JURISDICTION.

PROVINCE OF NEWFOUNDLAND
PERMIT HOLDER
Class "A"
This Permit Allows
CROSBIE ENGINEERING LIMITED
To practice Professional Engineering in Newfoundland and Labrador
Permit No. as issued by PEG-NL 00123
which is valid for the year 2015

PROFESSIONAL ENGINEERS PEG NEWFOUNDLAND & LABRADOR
KENNEDY R.P. NEIL
MAR.12/15

revisions		date
0	ISSUED FOR TENDER	12/03/15
A	ISSUED FOR REVIEW	15/07/14

project / projet

MARGINAL WHARF ELECTRICAL INSTALLATION

RIVERHEAD, NL

drawing / dessin

ELECTRICAL DETAILS

designed D.H. / concu
date JUNE 2014
drawn D.R. / dessine
date JUNE 2014
approved / approuve
Tender / Soumission
DFO Project Manager
project number / no. du projet
F6142-140017
drawing no. / no. du dessin
E3

Plot Scale: