LOCATION

PANEL EXISTING 200A — PANEL SCHEDULE

TYPE 42 CIRCUIT SURFACE CABINET – TOP ENTRY

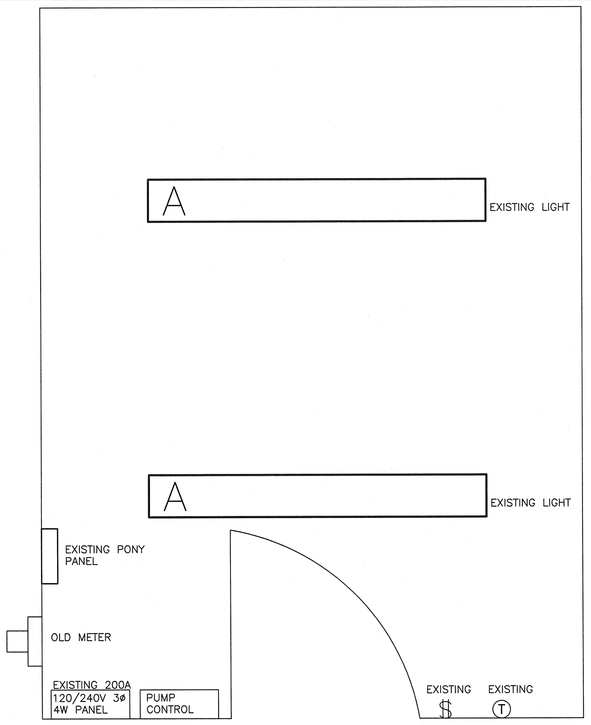
RATING 120/240V, 3PH., 4W., 200 AMP

STANDARD OF ACCEPTANCE CUTLER HAMMER POW-R-LINE 1a

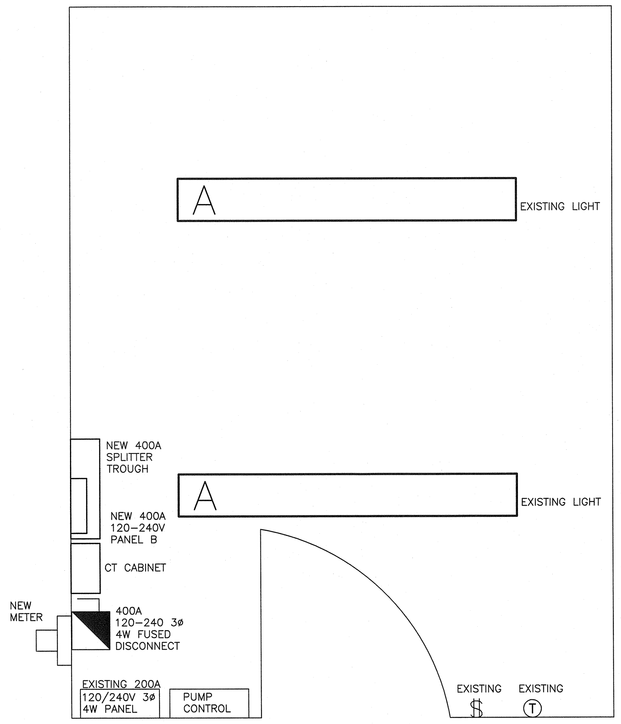
MINIMUM INTERUPTING CAPACITY 10000 R.M.S. SYMM AMPERES

NOTES * – BREAKER TO BE C/W LOCK-ON DEVICE

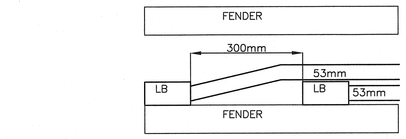
CIRCUIT DESCRIPTION	LOAD WATTS	WIRE SIZE	BRKR. SIZE	CIRCUIT NO.		BRKR. SIZE	WIRE SIZE	LOAD WATTS	CIRCUIT DESCRIPTION
NEW JIB CRANE	4318	4	30/3	1	2				EXISTING
				3	4				
				5	6				
				7	8				
				9	10				
				11	12				
				13	14				
				15	16				
				17	18				
				19	20				
				21	22				
				23	24				
				25	26				
				27	28				
				29	30				
				31	32				
				33	34				
				35	36				
				37	38				
				39	40				
				41	42				



G E1 E3 EXISTING ELECTRICAL BUILDING LAYOUT N.T.S.



H E1 E3 NEW ELECTRICAL BUILDING LAYOUT N.T.S.



K E1 E3 LB'S IN FENDER N.T.S.

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE.
2. ALL ELEVATIONS ARE IN METERS.
3. DO NOT SCALE FROM DRAWINGS, USE DIMENSIONS SHOWN.
4. ALL POLE LIGHTING SHALL BE RAN THROUGH LIGHTING CONTACTOR PANEL CONTROLLED BY PHOTOCELL.
5. EXISTING SERVICE TO BE UPGRADED TO 120/240V 3ø 4W SERVICE. CONTRACTOR RESPONSIBLE FOR COORDINATING ONSITE FOR SERVICE UPGRADE. CONTRACTOR TO PLACE NEW SERVICE MAST IN THE SAME LOCATION AS EXISTING. REPAIR AND SEAL ANY HOLES TO MATCH EXISTING CONDITIONS. ENSURE THAT THE NEW 400A PANEL IS NOT FED WITH THE THIRD LEG WHICH IS A HIGH–LEG SYSTEM.
6. CONTRACTOR TO NUMBER RECEPTACLES ON SITE. COORDINATE WITH DEPARTMENTAL REPRESENTATIVE ON SITE WITH EXACT NUMBERING SYSTEM.

LOCATION

PANEL B — PANEL SCHEDULE

TYPE 60 CIRCUIT SURFACE CABINET – TOP ENTRY

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

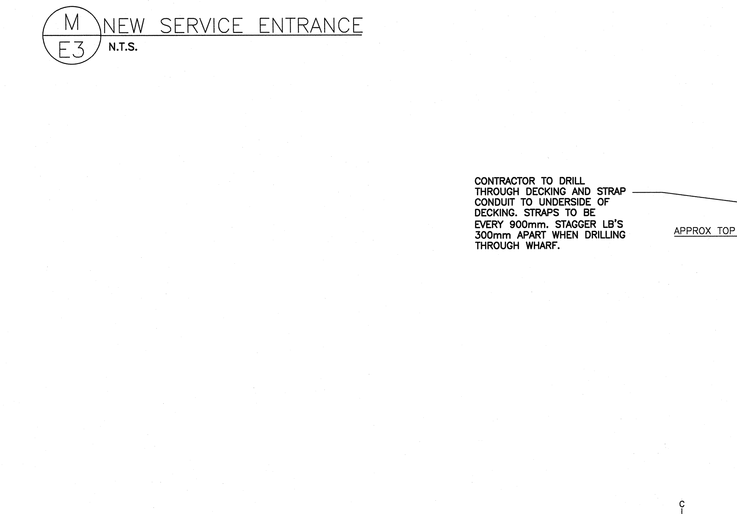
STANDARD OF ACCEPTANCE CUTLER HAMMER POW-R-LINE 1a

MINIMUM INTERUPTING CAPACITY 10000 R.M.S. SYMM AMPERES

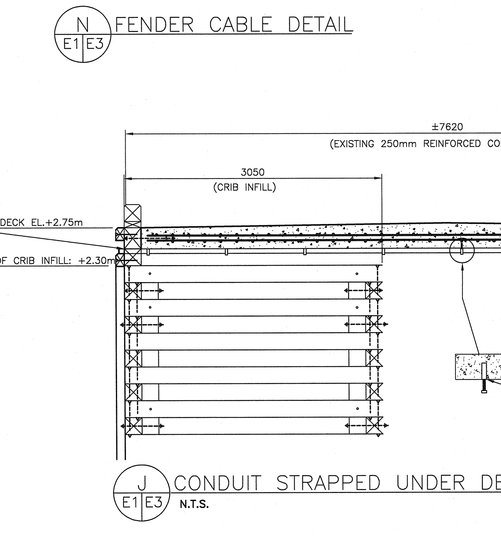
NOTES * – BREAKER TO BE GFI

CIRCUIT DESCRIPTION	LOAD WATTS	WIRE SIZE	BRKR. SIZE	CIRCUIT NO.		BRKR. SIZE	WIRE SIZE	LOAD WATTS	CIRCUIT DESCRIPTION
EXISTING PONY PANEL LIGHTING CIRCUIT	100	12	15	1	2	15	12	100	EXISTING PONY PANEL RECEPTACLE CIRCUIT
EXISTING PONY PANEL RECEPTACLE CIRCUIT	100	12	15	3	4	20/2	12	2000	EXISTING PONY PANEL HEATER CIRCUIT
PEDESTAL #1	2880	4	30	5	6				
PEDESTAL #1	2880	4	30	7	8	30	2	2880	PEDESTAL #2
PEDESTAL #1	1920	6	20	9	10	30	2	2880	PEDESTAL #2
PEDESTAL #1	1920	6	20	11	12	20	4	1920	PEDESTAL #2
PEDESTAL #1 *	1440	6	15	13	14	20	4	1920	PEDESTAL #2
PEDESTAL #3	2880	2	30	15	16	15	6	1440	PEDESTAL #2 *
PEDESTAL #3	2880	2	30	17	18	30/2	4	4992	PEDESTAL #2
PEDESTAL #3	1920	4	20	19	20				
PEDESTAL #3	1920	4	20	21	22	30	1	2880	PEDESTAL #4
PEDESTAL #3 *	1440	6	15	23	24	30	1	2880	PEDESTAL #4
PEDESTAL #3	4992	4	30/2	25	26	20	2	1920	PEDESTAL #4
				27	28	20	2	1920	PEDESTAL #4
LIGHTS 3,4,5,6	1200	6	15	29	30	15	4	1440	PEDESTAL #4 *
SPARE			15	31	32	30/2	4	4992	PEDESTAL #4
SPARE			15	33	34				
SPARE			20	35	36	30			SPARE
SPARE			20	37	38	30			SPARE
SPARE			30/2	39	40	30/2			SPARE
				41	42				

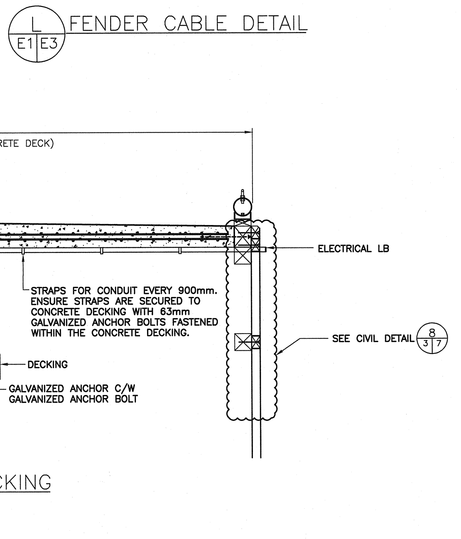
PANELBOARDS TO BE C/W GROUNDED NEUTRAL, GROUND AND NEUTRAL BLOCKS, BOLT–ON TYPE BREAKERS WITH AN I.C. RATING AS INDICATED, RMS SYMMETRICAL AT PANEL VOLTAGE. PROVIDE LAMICOID NAMEPLATE STATING PANEL DESIGNATION, VOLTAGE, PHASE AND AMPERAGE, TYPE WRITTEN DIRECTORY, AND LOCKING DOOR. ALL PANELS TO BE KEYED ALIKE. INSTALLATION, INCLUDING CONDUITS, TO BE RATED FOR SURFACE MOUNTED APPLICATIONS. WALL MOUNT ON 19mm THICK PLYWOOD BACKBOARD. PAINT PLYWOOD LIGHT GRAY.



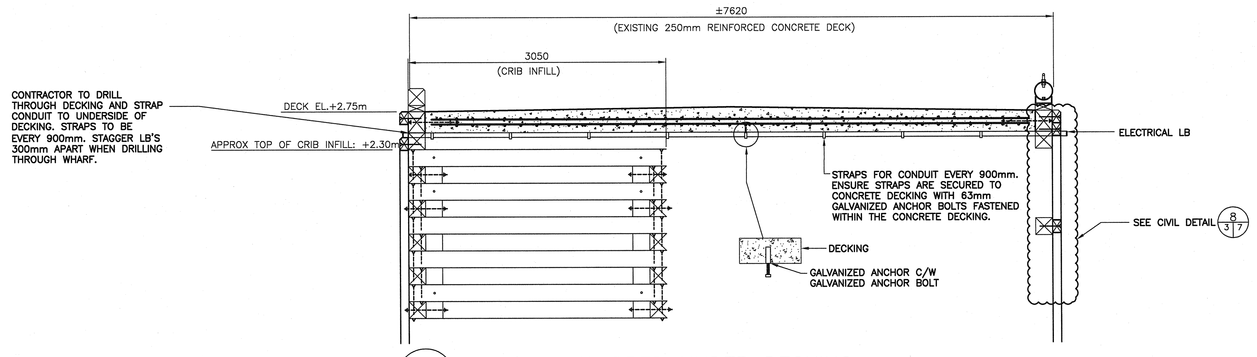
M E3 NEW SERVICE ENTRANCE N.T.S.



N E1 E3 FENDER CABLE DETAIL



L E1 E3 FENDER CABLE DETAIL



J E1 E3 CONDUIT STRAPPED UNDER DECKING N.T.S.

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

PROVINCE OF NEWFOUNDLAND AND LABRADOR
PEG Newfoundland and Labrador Engineers and Geoscientists
PERMIT HOLDER
THIS PERMIT ALLOWS
MADERRA ENGINEERING
To practice Professional Engineering in Newfoundland and Labrador.
Permit No. as issued by PEG 10253 which is valid for the year 2015

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

D	RE–ISSUED FOR TENDER	03/27/15
C	ISSUED FOR TENDER	12/21/10
B	ISSUED FOR 99% REVIEW	06/02/10
A	ISSUED FOR 66% REVIEW	04/15/10
revisions		date

project / projet

NEW WHARF CONSTRUCTION SUMMERVILLE, 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.032512.001
drawing no. / no. du dessin
E3 OF 3

PWGSC B1 (2004)

E–DRM/GDD–E: 513843