

PANEL SCHEDULE									
PANEL DPA									
TYPE 42 CIRCUIT SURFACE CABINET - TOP ENTRY									
RATING 120/240V, 1PH., 3W., 600 AMP									
STANDARD OF ACCEPTANCE EATON POW-R-LINE 3a									
MINIMUM INTERRUPTING CAPACITY 10000 R.M.S. SYMM AMPERES									
NOTES PROVIDE LUGS AS REQUIRED TO ACCOMMODATE 600 MCM CABLES									
CIRCUIT DESCRIPTION	LOAD WATTS	WIRE SIZE	BRKR. NO.	CIRCUIT NO.	BRKR. SIZE	WIRE SIZE	LOAD WATTS	CIRCUIT DESCRIPTION	
PANEL A		600 MCM	400	1 2	400			PANEL B	
				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					

1. PROVIDE TYPE WRITTEN DIRECTORY.

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. ALL PANELS TO BE KEYPED ALIKE. INSTALLATION TO BE RATED FOR SURFACE MOUNTED APPLICATIONS. WALL MOUNT ON 19mm THICK PLYWOOD BACKBOARD. PAINT PLYWOOD LIGHT GRAY.

PANEL SCHEDULE									
PANEL A									
TYPE 42 CIRCUIT SURFACE CABINET - TOP ENTRY									
RATING 120/240V, 1PH., 3W., 400 AMP CAPABLE OF ACCEPTING 600 MCM CABLE. PROVIDE LUGS AS REQUIRED									
STANDARD OF ACCEPTANCE EATON POW-R-LINE 1a									
MINIMUM INTERRUPTING CAPACITY 10000 R.M.S. SYMM AMPERES									
NOTES PROVIDE LUGS AS REQUIRED TO ACCOMMODATE 600 MCM CABLES									
CIRCUIT DESCRIPTION	LOAD WATTS	WIRE SIZE	BRKR. NO.	CIRCUIT NO.	BRKR. SIZE	WIRE SIZE	LOAD WATTS	CIRCUIT DESCRIPTION	
PEDESTAL #6 REC #1 EXISTING 50A 120/240V		3	40	1 2	30			PEDESTAL #7 REC #5 EXISTING 30A 120/240V	
PEDESTAL #6 REC #2 EXISTING 30A 120V		4	30	5 6	30			PEDESTAL #7 REC #6 EXISTING 30A 120/240V	
PEDESTAL #6 REC #3 EXISTING 30A 120/240V		4	30	9 10	40			PEDESTAL #7 REC #7 EXISTING 50A 120/240V	
PEDESTAL #6 REC #4 EXISTING 30A 120/240V		4	30	13 14	40			PEDESTAL #7 REC #8 EXISTING 30A 120/240V	
PEDESTAL #6 REC #15 EXISTING 15A 120V		8	15	17 18	15			PEDESTAL #7 REC #17 EXISTING 15A 120V	
PEDESTAL #6 REC #16 EXISTING 15A 120V		8	15	19 20	15			PEDESTAL #7 REC #18 EXISTING 15A 120V	
PEDESTAL #8 REC #9 EXISTING 50A 120/240V		4	40	21 22	30			PEDESTAL #9 REC #12 EXISTING 30A 120V	
PEDESTAL #8 REC #10 EXISTING 30A 120V		6	30	25 26	30			PEDESTAL #9 REC #13 EXISTING 30A 120V	
PEDESTAL #8 REC #11 EXISTING 30A 120V		6	30	29 30	30			PEDESTAL #9 REC #14 EXISTING 30A 120/240V	
PEDESTAL #8 REC #19 EXISTING 15A 120V		8	15	33 34	15			PEDESTAL #9 REC #21 EXISTING 15A 120V	
PEDESTAL #8 REC #20 EXISTING 15A 120V		8	15	35 36	15			PEDESTAL #9 REC #22 EXISTING 15A 120V	
LIGHTS 7,8,9,10		12	15	37 38	15			SHED LIGHTS	
				39 40	15			SHED RECEPTACLES	
				41 42					

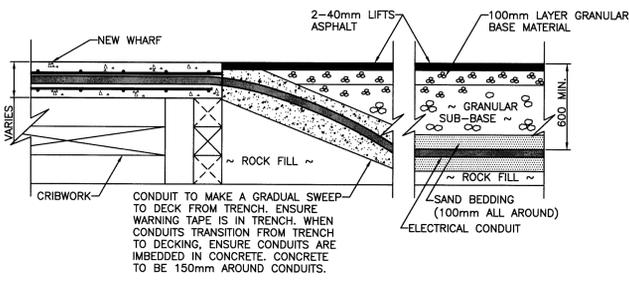
1. PROVIDE TYPE WRITTEN DIRECTORY.

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. ALL PANELS TO BE KEYPED ALIKE. INSTALLATION TO BE RATED FOR SURFACE MOUNTED APPLICATIONS. WALL MOUNT ON 19mm THICK PLYWOOD BACKBOARD. PAINT PLYWOOD LIGHT GRAY.

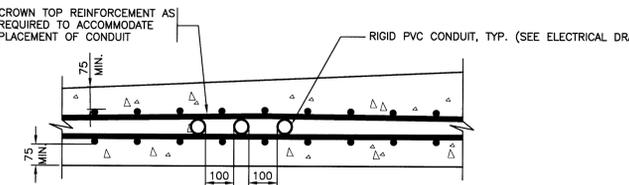
PANEL SCHEDULE									
PANEL B									
TYPE 42 CIRCUIT SURFACE CABINET - TOP ENTRY									
RATING 120/240V, 1PH., 3W., 400 AMP CAPABLE OF ACCEPTING 600 MCM CABLE. PROVIDE LUGS AS REQUIRED									
STANDARD OF ACCEPTANCE EATON POW-R-LINE 1a									
MINIMUM INTERRUPTING CAPACITY 10000 R.M.S. SYMM AMPERES									
NOTES PROVIDE LUGS AS REQUIRED TO ACCOMMODATE 600 MCM CABLES									
CIRCUIT DESCRIPTION	LOAD WATTS	WIRE SIZE	BRKR. NO.	CIRCUIT NO.	BRKR. SIZE	WIRE SIZE	LOAD WATTS	CIRCUIT DESCRIPTION	
PEDESTAL #10 REC #23	5760	6	30	1 2	50			PEDESTAL #11 REC #27	9600
PEDESTAL #10 REC #24	5760	6	30	2 3	4			PEDESTAL #11 REC #28	5760
PEDESTAL #10 REC #25	2880	6	30	5 6	30			PEDESTAL #11 REC #29	5760
PEDESTAL #10 REC #26	1440	10	15	11 12	2			PEDESTAL #11 REC #30	2880
PEDESTAL #12 REC #32	9600	1	50	13 14	30			PEDESTAL #11 REC #31	1440
PEDESTAL #12 REC #33	5760	3	30	17 18	50			PEDESTAL #13 REC #37	9600
PEDESTAL #12 REC #34	5760	3	30	19 20	2			PEDESTAL #13 REC #38	5760
PEDESTAL #12 REC #35	2880	3	30	21 22	30			PEDESTAL #13 REC #39	5760
PEDESTAL #12 REC #36	1440	6	15	27 28	2			PEDESTAL #13 REC #40	2880
PEDESTAL #14 REC #42	9600	1/0	50	29 30	30			PEDESTAL #13 REC #41	1440
PEDESTAL #14 REC #43	5760	2	30	31 32	15			LIGHTS 11 TO 16	900
PEDESTAL #14 REC #44	5760	2	30	33 34	15			METERING PANEL #1	500
PEDESTAL #14 REC #45	2880	2	30	37 38	2			METERING PANEL #2	500
PEDESTAL #14 REC #46	1440	4	15	41 42	2				
				45 46					
				47 48					
				49 50					
				51 52					
				53 54					
				55 56					
				57 58					
				59 60					

1. PROVIDE TYPE WRITTEN DIRECTORY.

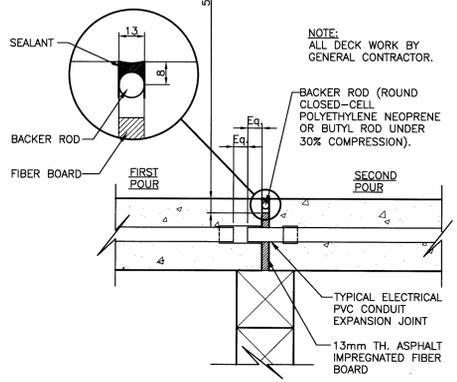
PANELBOARDS TO BE C/W GROUNDED NEUTRAL, GROUND AND NEUTRAL BLOCKS, BOLT-ON TYPE BREAKERS WITH AN I.C. RATING AS INDICATED, RMS SYMMETRICAL AT PANEL VOLTAGE. PROVIDE LAMICOID NAMEPLATE STATING PANEL DESIGNATION, VOLTAGE, PHASE AND AMPERAGE, TYPE WRITTEN DIRECTORY, DRIP SHIELD AND LOCKING DOOR. ALL PANELS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



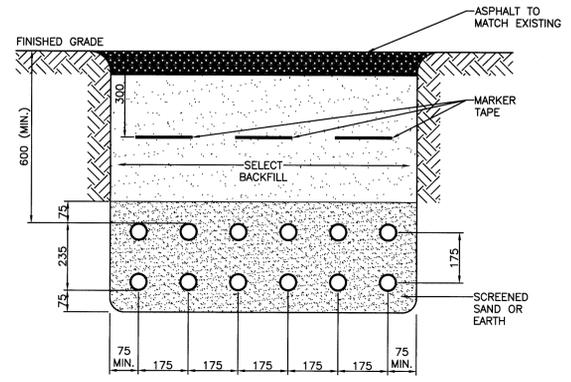
5 TYPICAL TRANSITION INTO DECKING
E3 N.T.S.



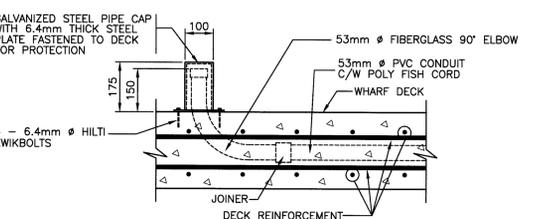
6 TYPICAL CONDUIT IN DECKING
E3 N.T.S.



1 TYPICAL EXPANSION JOINT
E3 N.T.S.

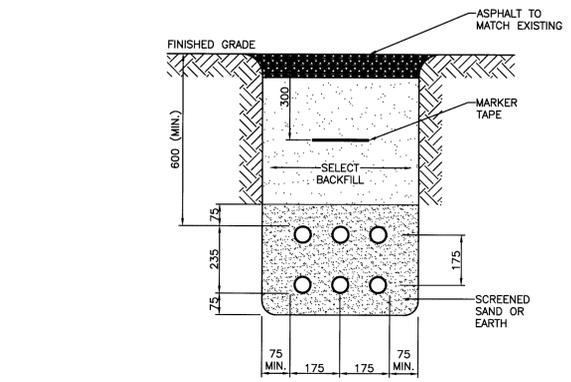


3 TRENCH DETAIL TO NEW MARGINAL AND FINGER PIER
E1E3 N.T.S.

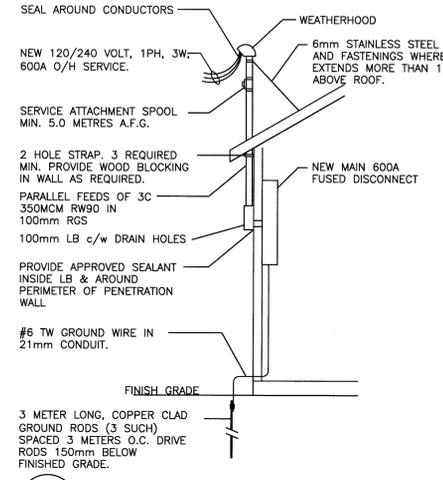


NOTE: THIS DETAIL IS FOR ALL ELECTRICAL LIGHT POLES, PEDESTALS, UNTIL EACH PIECE OF EQUIPMENT IS INSTALLED ON SITE TO PREVENT DAMAGE TO CONDUITS AND TO PREVENT ANY WATER OR DIRT TO ENTER THE CONDUIT. THE EXACT LOCATION OF THE ELBOW IN RELATION TO ELECTRICAL FIXTURE IS TO BE DETERMINED IN THE FIELD.

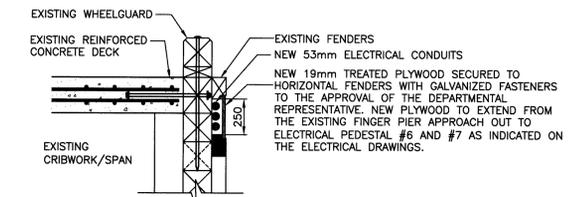
2 CONDUIT CAP
E3 N.T.S.



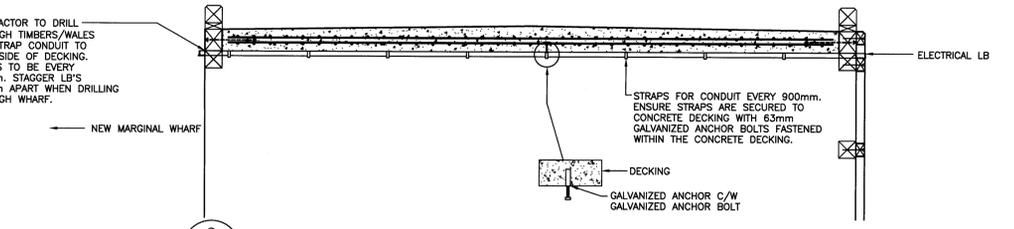
4 TRENCH DETAIL TO EXISTING FINGER PIER PEDESTALS AND NEW JUNCTION BOXES
E1E3 N.T.S.



7 SERVICE ENTRANCE DETAIL
E3 N.T.S.



8 TYPICAL CONDUITS IN HORIZONTAL FENDERS
E1E3 N.T.S.



9 TYPICAL CONDUIT SUPPORT THROUGH DECKING SPAN
E3 N.T.S.

SMALL CRAFT HARBOURS



- NOTES:
- ALL ELEVATIONS ARE IN METRES, UNLESS OTHERWISE NOTED.
 - ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS OTHERWISE NOTED.
 - DO NOT SCALE FROM DRAWING, USE DIMENSIONS INDICATED.
 - LIGHTING AND MOUNTING ARMS SUPPLIED BY DFO, CONTRACTOR TO PICK UP AT DFO WAREHOUSE, 121 GLENCOE DRIVE, MT. PEARL. COORDINATE WITH DEPARTMENTAL REPRESENTATIVE PRIOR TO PICK UP. CONTACT DFO UPWARD AT 709-763-5689. ENSURE THAT CONTRACTOR PROVIDES THREE DAYS NOTICE PRIOR TO PICKUP TO ALLOW FOR COORDINATION.
 - TRENCH DETAILS ARE FOR REPRESENTATION ONLY. CONTRACTOR TO ENSURE CONDUITS ARE PLACED TO AVOID ANY CROSSING OF CONDUITS IN TRENCH.



PROVINCE OF NEWFOUNDLAND AND LABRADOR
PERMIT HOLDER THIS PERMIT ALLOWS
MADERRA ENGINEERING
To practice Professional Engineering in Newfoundland and Labrador.
Permit No. as issued by PEG 10263 which is valid for the year 2018
02824

D	ISSUED FOR TENDER	16/09/21
C	ISSUED FOR 99% REVIEW	16/08/13
B	ISSUED FOR 66% REVIEW	16/08/05
A	ISSUED FOR 33% REVIEW	16/06/17
revisions		date

WHARF CONSTRUCTION FERMEUSE, NL

ELECTRICAL PANELS AND DETAILS

designed S.MCGUIRE concu
date MAY, 2016
drawn S.MCGUIRE desine
date MAY, 2016
approved R.FROUDE approve
date MAY, 2016
Tender Soumission
DFO Project Manager Administrateur de projets MPO
project number no. du projet
721920
drawing no. no. du dessin
E3