NEW PANEL

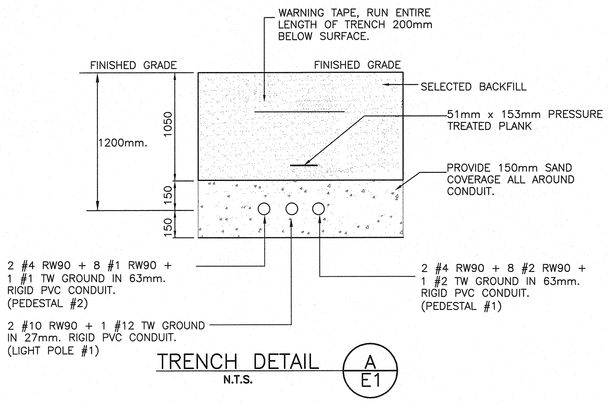
VOLTS 120/208 | PHASE 3 | WIRE 4 | PANEL NAME "C" | LOCATION ELECTRICAL BUILDING | FED FROM PANEL "A" | MAINS RATED 100 AMPS | MOUNTING SURFACE | ENTER AT ____ | CIRCUITS 30

DESIGNATION	WATTAGE ø A	ø B	ø C	WIRE	BKR	CCT	A B C	CCT	BKR	WIRE	WATTAGE ø A	ø B	ø C	DESIGNATION
PEDESTAL #1 (RECEPT #1)	2520			2	30	1		2	30	1	2520			PEDESTAL #2 (RECEPT #1)
PEDESTAL #1 (RECEPT #2)		2520		2	30	3		4	30	1		2520		PEDESTAL #2 (RECEPT #2)
PEDESTAL #1 (RECEPT #3)			2520	2	30	5		6	30	1			2520	PEDESTAL #2 (RECEPT #3)
PEDESTAL #1 (RECEPT #4)	2520			2	30	7		8	30	1	2520			PEDESTAL #2 (RECEPT #4)
PEDESTAL #1 (RECEPT #5)		1260		4	15	9		10	15	4		1260		PEDESTAL #2 (RECEPT #5)
NEW LIGHT POLE			300	10	15	11		12						
						13		14						
						15		16						
						17		18						
						19		20						
						21		22						
						23		24						
SPARE					15	25		26	15					SPARE
SPARE					15	27		28	15					SPARE
SPARE					15	29		30	15					SPARE

ø A TOTAL :	10080
ø B TOTAL :	7560
ø C TOTAL :	5340

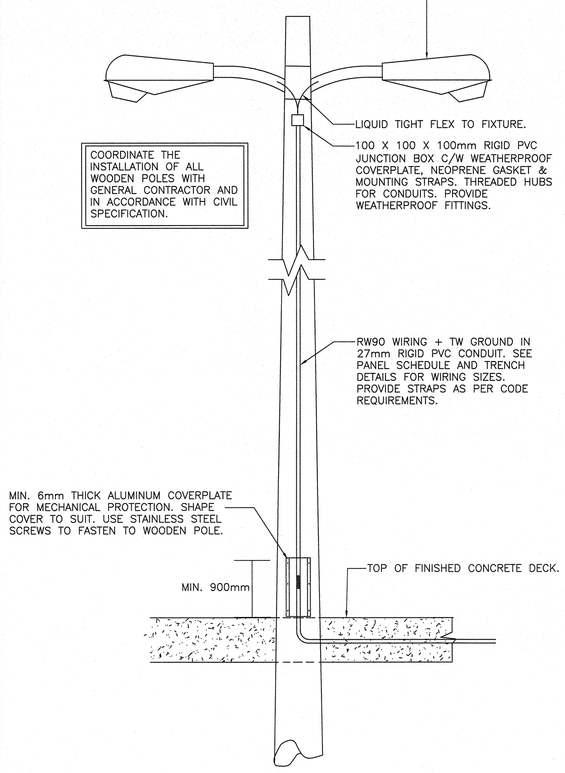
DEMAND LOAD 25.9 KW 72 AMP

TRENCHING NOTES
1. CONTRACTOR TO RE-INSTATE ALL PAVED, CONCRETE AND GRAVEL AREAS TO CONDITIONS PRIOR TO EXCAVATION AS DIRECTED BY DEPARTMENTAL REPRESENTATIVE.



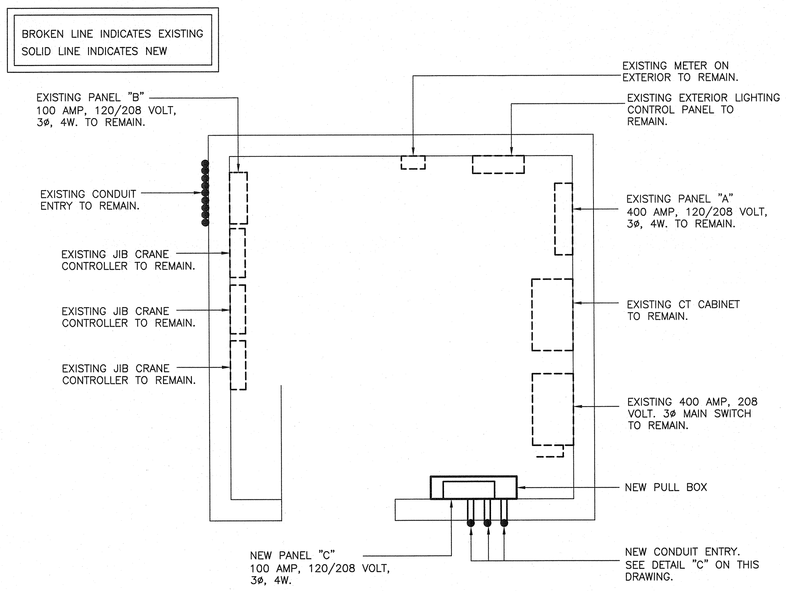
TRENCH DETAIL A / E1
N.T.S.

LIGHT FIXTURE, UPSWING ARM AND LAMP TO BE SUPPLIED BY OWNER AND INSTALLED BY ELECTRICAL CONTRACTOR. OWNER SUPPLIED MATERIALS TO BE PICKED UP BY THE CONTRACTOR AT DFO'S WAREHOUSE IN MOUNT PEARL, NL. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ALL OTHER REQUIRED JUNCTION BOXES, CONDUIT, COVERPLATES, ETC FOR A COMPLETE INSTALLATION.

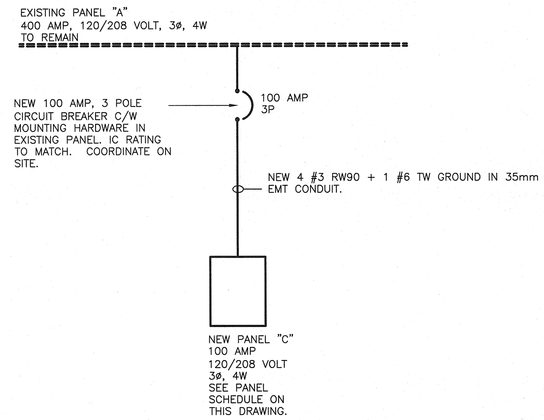


TYPICAL LIGHT POLE DETAIL
N.T.S.

BROKEN LINE INDICATES EXISTING
SOLID LINE INDICATES NEW

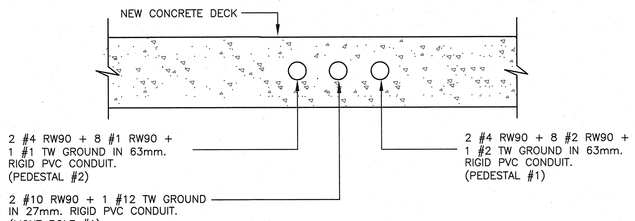


ELECTRICAL ROOM LAYOUT
SCALE : 1:20
0mm 500mm 1000mm 1500mm 2000mm 2500mm



PARTIAL ELECTRICAL DISTRIBUTION SINGLE LINE
NTS

NOTE:
1. CONDUIT LOCATIONS ARE APPROXIMATE ONLY. ACTUAL CONDUIT LOCATIONS TO BE COORDINATED ON SITE.
2. STEEL REINFORCEMENT OMITTED FOR CLARITY. SEE CIVIL DRAWINGS FOR DETAILS.

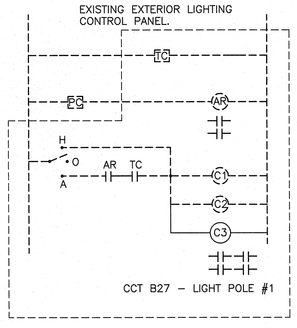


ELECTRICAL TRENCH DETAIL (CONCRETE DECK) B / E2
N.T.S.

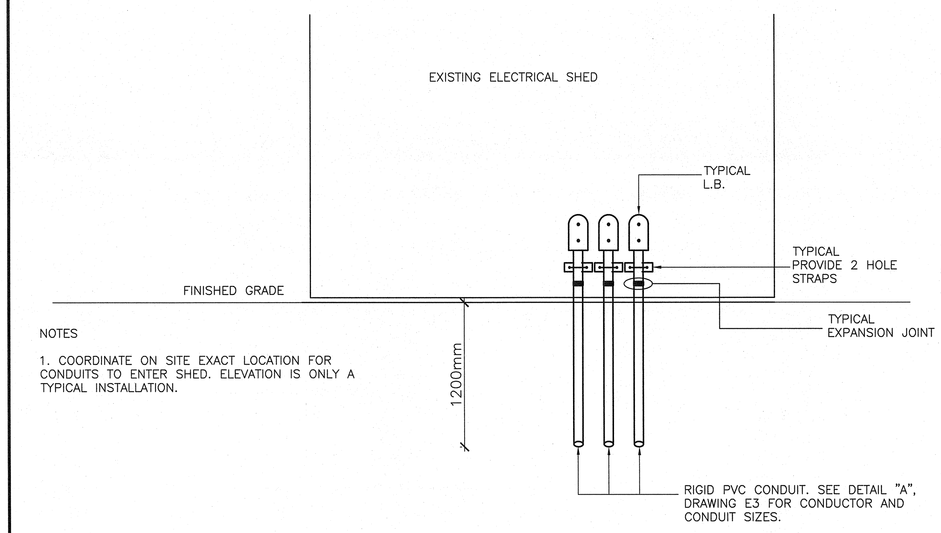
PROVIDE NEW LIGHTING CONTACTOR IN EXISTING CONTROL PANEL. EXTEND ALL WIRING AND CONDUIT AS REQUIRED.

PROVIDE ALL NEW LIGHTING BRANCH CIRCUITS AS INDICATED.

LEGEND
- TC — EXISTING TIME CLOCK.
- PC — EXISTING PHOTOCELL.
- AR — EXISTING AUXILIARY RELAY.
- C1 — EXISTING 4 POLE CONTACTOR. 120 VOLT, 20 AMP.
- C3 — NEW 4 POLE CONTACTOR. 120 VOLT, 20 AMP.
- H-O-A — EXISTING HAND-OFF-AUTO SELECTOR SWITCH.



EXISTING EXTERIOR LIGHTING CONTROL PANEL
NTS



NOTES
1. COORDINATE ON SITE EXACT LOCATION FOR CONDUITS TO ENTER SHED. ELEVATION IS ONLY A TYPICAL INSTALLATION.

CONDUIT ENTRY ELEVATION - ELECTRICAL SHED C / E3
N.T.S.

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

REGISTERED PROFESSIONAL ENGINEER PEGNL KENNETH R.P. NEIL JUNE 3 2015 NEWFOUNDLAND AND LABRADOR

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.

revisions		date
0	ISSUED FOR TENDER	JUNE.3 2015
B	ISSUED FOR REVIEW	MAY.15 2015
A	ISSUED FOR REVIEW	MAY.6 2015

project / projet
WHARF CONSTRUCTION
PORT SAUNDERS, NL

drawing / dessin
ELECTRICAL DETAILS

designed / conçu
date April 2015
drawn / dessiné
date April 2015
approved / approuvé
date
Tender / Soumission
PWGSC Project Manager / Administrateur de projets TPSGC

project number / no. du projet
R.076186.001

drawing no. / no. du dessin
E3

PWGSC B1 (2004)

E-DRM/GDD-E: 515980