

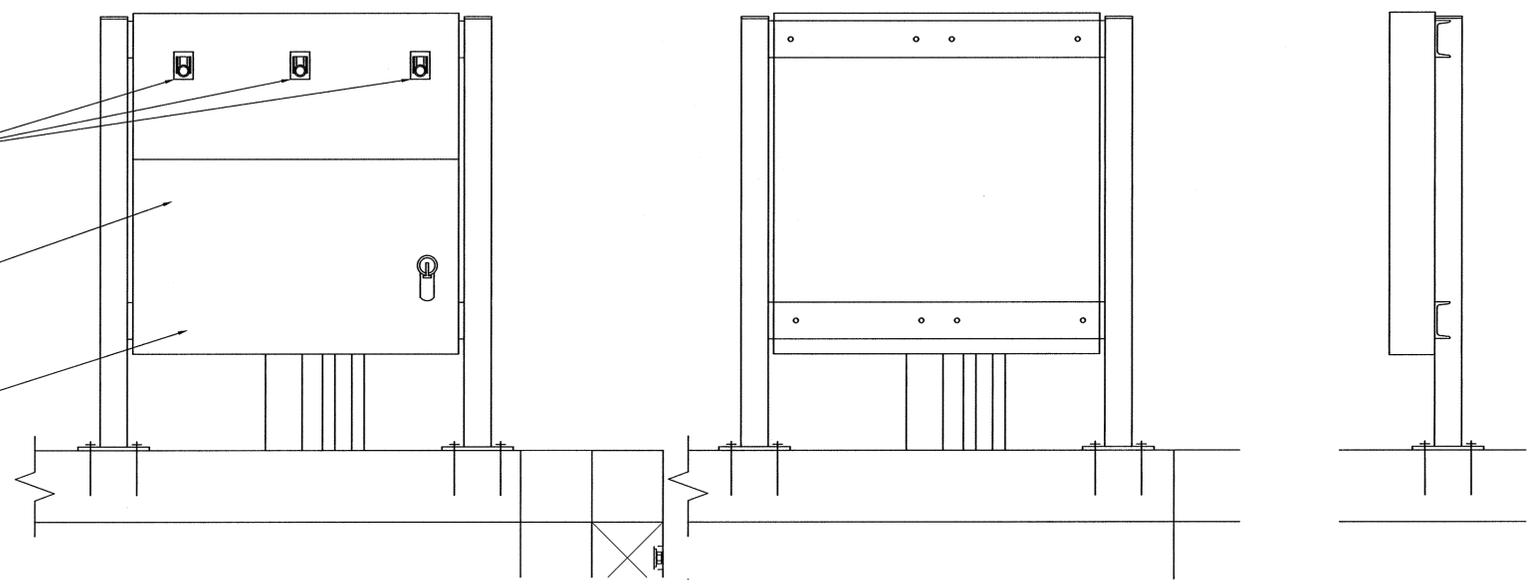
CONDUIT SCHEDULE	
No.	DESCRIPTION
①	2 #4 RW90 + 1 #8 TW GROUND IN 53mm PVC FOR 30A RECEPTACLE
②	2 #6 RW90 + 1 #8 TW GROUND IN 53mm PVC FOR 20A RECEPTACLE
③	3 #1/0 RW90 + 1 #6 TW GROUND IN 78mm PVC FOR 150A RECEPTACLE
④	2 #10 RW90 + 1 #12 TW GROUND IN 53mm PVC FOR POLE LIGHTING
⑤	1 X 53mm PVC FOR CAMERAS ON POLE C/W CAT 6 CABLE
⑥	2 #12 RW90 + 1 #12 TW GROUND IN 35mm PVC FOR HOSE REEL
⑦	2 #12 RW90 + 1 #12 TW GROUND IN 35mm PVC FOR FUEL PUMP

DUCT BANK DETAIL ②
SCALE N.T.S.

PROVIDE IN ADJACENT NEMA 4X ALUMINUM ENCLOSURE (DIMENSIONS TO FIT RECEPTABLES), SURFACE MOUNTED 30° INCLINED RECEPTACLE / ANGLE CONNECTORS AS FOLLOWS, ONE(1) APPLETON ADA15034-150, ONE(1) 30A 120V, ONE(1) 20A 120V INLETS AND HANDLES TO BE TURNED OVER TO DEPARTMENT REPRESENTATIVE FOR USE AS SPARES FOR HARD WIRING SHIPS. SECURELY MOUNT ENCLOSURES TO PEDESTAL WHILE RETAINING NEMA 4X RATING.

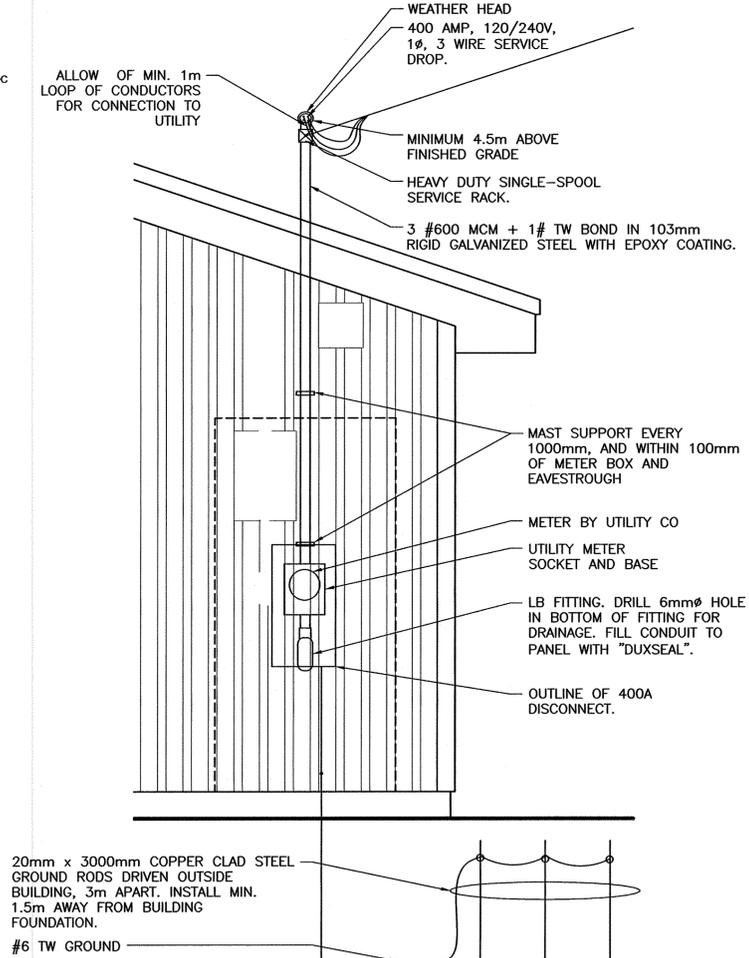
PROVIDE NEMA 4X ALUMINUM ENCLOSURE (DIMENSIONS TO FIT DISCONNECT), ENCLOSURE TO HOUSE ROTARY DISCONNECT SWITCH C/W LUG WITH TWO HOLE AND RATED FOR 150A. HANDLE TO ALLOW FOR DISCONNECTING, LOCK AND TAG OUT MEANS AND TO BE EXTERNALLY MOUNTED AND MUST BE INSTALLED IN SUCH A WAY THAT THE NEMA 4X RATING IS RETAINED.

PROVIDE FULLY ASSEMBLED AND OPERATIONAL UNIT ON SITE. COMPLETED UNIT SHALL CONSIST OF TWO(2) ADJACENT ATTACHED ENCLOSURES WHICH ARE INTERNALLY WIRED. PROVIDE ALL WIRING AND CONNECTIONS REQUIRED INCLUDING FROM THE DISCONNECT TO THE RECEPTACLE AND TO BE COMPLETED INTERNALLY AND SHIPPED READY FOR USE. ENCLOSURE TO BE COMPLETED BY CERTIFIED MANUFACTURER AND TO FOLLOW ALL CSA STANDARDS DURING THE CONSTRUCTION OF THIS UNIT. END PRODUCT SHALL BE CSA APPROVED AND BE NEMA4X RATED TO HANDLE 120/240V, 150A POWER SOURCE. SECURELY MOUNT ENCLOSURES TO PEDESTAL WHILE RETAINING NEMA 4X RATING. PROVIDE CONNECTION MEANS FOR CONDUIT FROM BUILDING WHILE RETAINING NEMA 4X RATING.

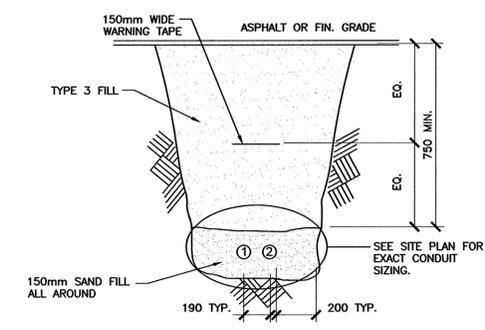


- NOTES:**
- SUPPLY AND INSTALLATION OF PEDESTAL AND ANY ASSOCIATED STRUCTURAL/CIVIL WORKS SHALL FALL UNDER THE GENERAL CONTRACTORS SCOPE OF WORK. GENERAL CONTRACTOR TO COORDINATE WITH SUB-CONTRACTORS.
 - PEDESTAL SHOWN FOR CLARITY ONLY. REFER TO MARINE FOR PEDESTAL DETAILS.

ELECTRICAL PEDESTAL #1&2 DETAIL ①
SCALE N.T.S.



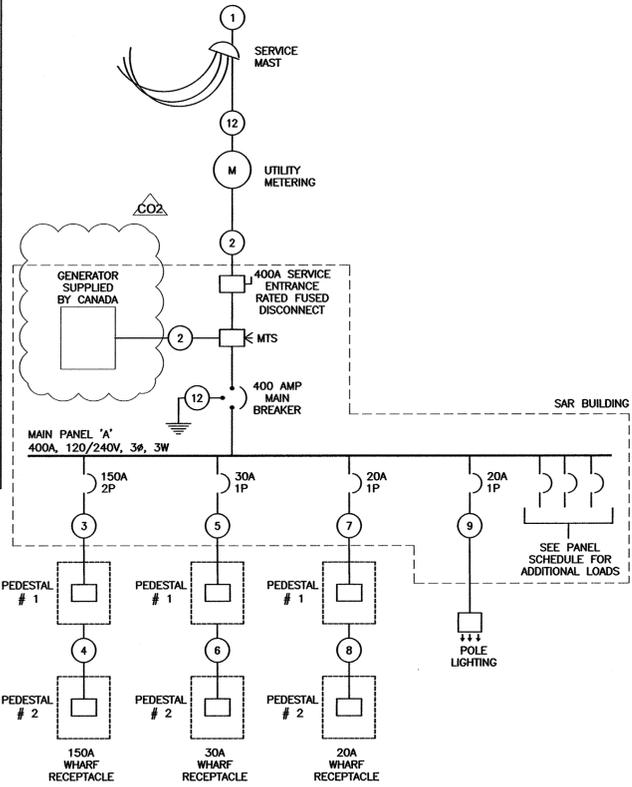
SERVICE ENTRANCE DETAIL ⑤
SCALE N.T.S.



CONDUIT SCHEDULE	
No.	DESCRIPTION
②	3 #600 MCM + 1 #3 TW GROUND IN 103mm PVC CONDUIT POWER TO MTS
③	4 #3 RW90 + 1 #6 TW GROUND IN 53mm PVC CONDUIT POWER TO GENERATOR PANEL

GENERATOR TRENCH DETAIL ④
SCALE N.T.S.

FEEDER SCHEDULE	
No.	DESCRIPTION
①	UTILITY COMPANY
②	3 # 600MCM + 1 # 2 TW BOND IN 103mm CONDUIT.
③	3 # 1/0 RW90 + 1 # 6 TW BOND IN 78mm CONDUIT. (PROVIDE EMT CONDUIT FOR INTERIOR RUN AND PVC FOR EXTERIOR RUN)
④	3 # 1/0 SOOW CABLE
⑤	2 # 4 RW90 + 1 # 8 TW BOND IN 53mm CONDUIT. (PROVIDE EMT CONDUIT FOR INTERIOR RUN AND PVC FOR EXTERIOR RUN)
⑥	2 # 4 SOOW CABLE
⑦	2 # 6 RW90 + 1 # 8 TW BOND IN 53mm CONDUIT. (PROVIDE EMT CONDUIT FOR INTERIOR RUN AND PVC FOR EXTERIOR RUN)
⑧	2 # 6 SOOW CABLE
⑨	2 # 10 RW90 + 1 # 12 TW BOND IN 53mm CONDUIT. (PROVIDE EMT CONDUIT FOR INTERIOR RUN AND PVC FOR EXTERIOR RUN)
⑩	3 # 10 RW90 + 1 # 12 TW BOND IN 53mm CONDUIT. (PROVIDE EMT CONDUIT FOR INTERIOR RUN AND PVC FOR EXTERIOR RUN)
⑪	# 6 TW GND
⑫	3 # 600MCM + 1 # 2 TW BOND IN 103mm EPOXY RGS EPOXY COATED.



SINGLE LINE DIAGRAM ③
SCALE N.T.S.

revisions	date	project
C02	ISSUED FOR ADDENDUM 1	APR 30 2018
C01	ISSUED FOR TENDER	MAR 28 2018

ST. ANTHONY SAR STATION REFURBISHMENT PHASE II SAR READY BUILDING & FLOATING DOCK

ELECTRICAL SITE PLAN DETAILS

designed	JF	conçu
date	2017-10-30	
drawn	SU	dessiné
date	2017-10-30	
approved	MK	approuvé
date	2017-10-30	
Tender	DB	Soumission
PWGSC Project Manager	Administrateur de projets TP/SGC	
project number		no. du projet

R.089934.001

E2 - REV