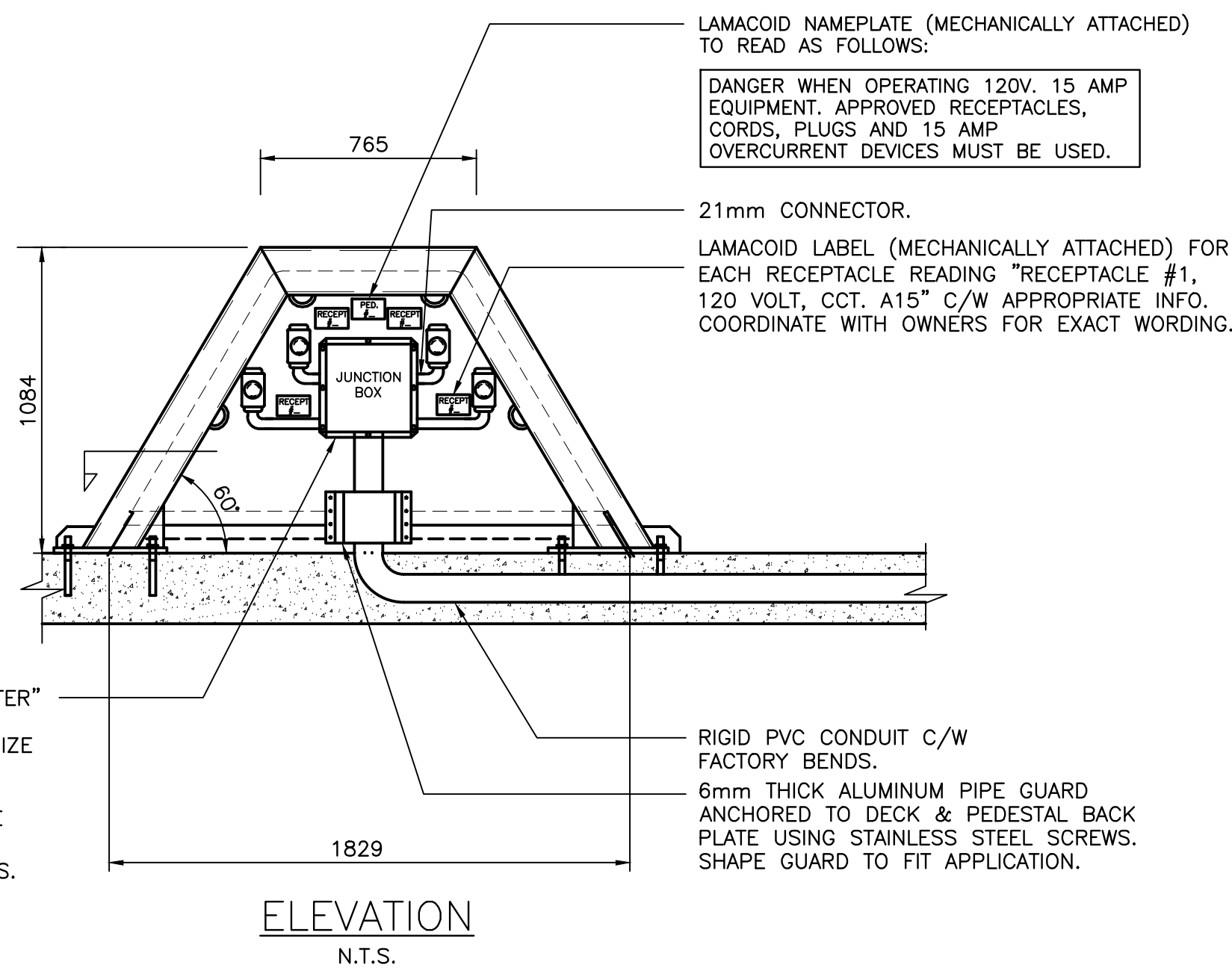


250 x 250 x 150mm PVC JUNCTION BOX
RATED NEMA 4X C/W WEATHERPROOF
COVERPLATE, NEOPRENE GASKET, MOUNTING
STRAPS & WEATHERPROOF FITTINGS. "SCEPTER"
OR APPROVED EQUAL. RUN A DEDICATED
NEUTRAL CONDUCTOR FOR EACH CIRCUIT. SIZE
BOND WIRES TO SECTION 10 OF C.E.C.
C22.1-12. ALL CABLE CONNECTORS TO BE
MARINE GRADE C/W "OT" RINGS. BOX TO BE
C/W DIN RAIL MOUNTED TERMINAL BLOCKS
EQUAL TO "PHOENIX" CONTACT UK16 SERIES.
DO NOT SPLICE CONDUCTORS.



PEDESTAL NOTES:

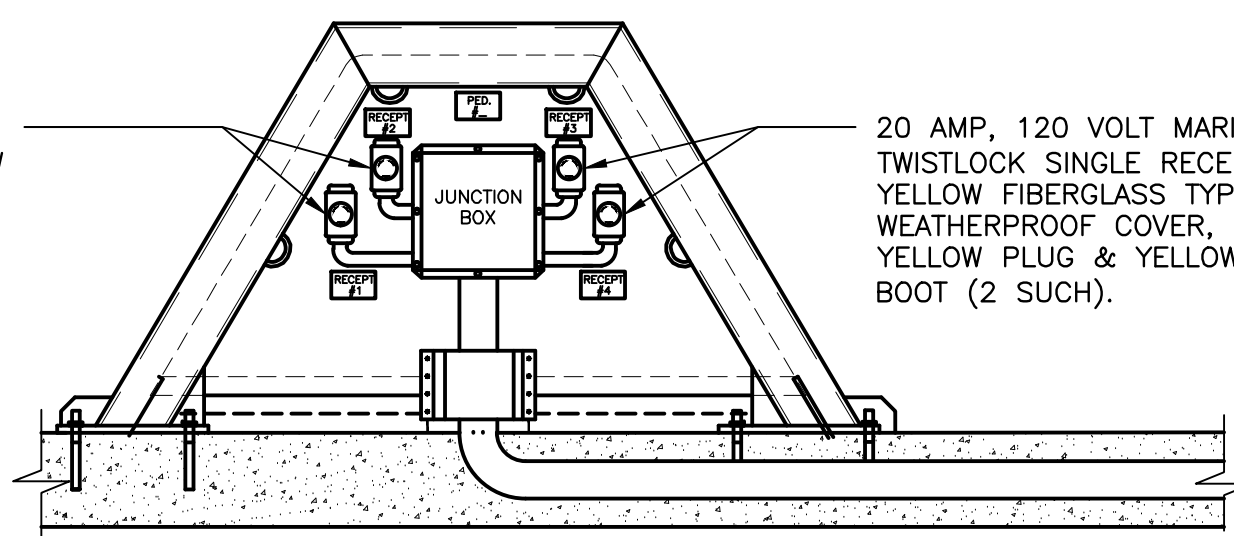
1. REINFORCING OMITTED FOR CLARITY.

2. MOUNT RECEPTACLES IN PVC FD TYPE OUTLET BOX, COVER, GASKET & MOUNTING LUGS. HUBS, WEATHER PROOF FITTINGS, CAST "GROUSE HINDS" OR EQUAL, C/W 20mm

3. UTILIZE RIGID PVC CONDUIT C/W MARINE GRADE FITTINGS. SECURE TO PEDESTAL USING 2 HOLE STRIPS & S.S. SCREWS. TYPICAL.

PEDESTAL BY GENERAL CONTRACTOR. SUBMIT SHOP DRAWINGS PRIOR TO MANUFACTURE.

20 AMP, 120 VOLT MARINE GRADE TWISTLOCK SINGLE RECEPTACLE C/W YELLOW FIBERGLASS TYPE FD BOX, WEATHERPROOF COVER, MATCHING YELLOW PLUG & YELLOW RUBBER BOOT (2 SUCH).



ELECTRICAL PEDESTALS #1 & #2
N.T.S.

LIGHT FIXTURES AND MOUNTING HARDWARE TO BE SUPPLIED BY OWNER AND INSTALLED BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ALL REQUIRED MOUNTING HARDWARE, WIRING, CONDUIT, LEG BOLTS, ETC. AS REQUIRED.

LIQUID TIGHT FLEX TO FIXTURE.

100mm X 100mm X 100mm RIGID PVC JUNCTION BOX C/W WEATHERPROOF COVERPLATE, NEOPRENE GASKET & MOUNTING STRAPS. THREADED HUBS FOR CONDUITS. PROVIDE WEATHERPROOF FITTINGS.

PROVIDE 2-HOLE STRAPS

JIB CRANE SUPPLIED BY OWNER AND INSTALLED BY GENERAL CONTRACTOR.

2 #12 RWU90 + 1 #12 TW GROUND IN 27mm RIGID PVC CONDUIT. PROVIDE STRAPS AS PER CODE REQUIREMENTS.

NOTES:

1. PROVIDE NECESSARY BRACKETS AND APPROVED WELDING PROCEDURES TO SUPPORT LIGHT FIXTURES TO CRANE TOWER. PROVIDE CORROSION RESISTANT PAINT TO MATCH EXISTING AND SAFETY CHAIN FROM STRUCTURE TO LIGHT FIXTURE.

ENCLOSURE TO BE PROVIDED BY OWNER.

15A, 120V RECEPTACLE C/W WEATHERPROOF COVER AS PER CANADIAN ELECTRICAL CODE.

NOTE:
1. LIGHTS FOR JIB CRANE, JIB CRANE AND ASSOCIATED EQUIPMENT WILL BE SUPPLIED BY OWNER AND INSTALLED BY ELECTRICAL CONTRACTOR. EQUIPMENT TO BE PICKED UP BY ELECTRICAL CONTRACTOR AT DFO'S WAREHOUSE IN DONOVAN'S INDUSTRIAL PARK, MOUNT PEARL, NL. CONTACT PROJECT MANAGER FOR DETAILS.

LIQUID TIGHT FLEX CONDUIT STRAP CONDUIT TO JIB CRANE.

RIGID GALVANIZED 90 DEGREE CONDUIT BEND AND CONDUIT.

RIGID GALVANIZED LB AROUND BASE OF JIB CRANE.

ALUMINUM PROTECTIVE PLATE

ENSURE CONDUIT IS BROUGHT UP ON THE SIDE OF THE JIB CRANE NEXT TO WHEEL GUARD TO PREVENT DAMAGE FROM EQUIPMENT. RIGID GALVANIZED 90 DEGREE CONDUIT BEND AND CONDUIT.

PVC TO GALVANIZED CONDUIT.

JIB CRANE DETAIL
N.T.S.

LIGHT FIXTURE, PHOTOCCELL, 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. FIXTURES SHALL BE MOUNTED 8.8 METERS ABOVE FINISHED DECK.

LIQUID TIGHT FLEX TO FIXTURE.

100 X 100 X 100mm RIGID PVC JUNCTION BOX C/W WEATHERPROOF COVERPLATE, NEOPRENE GASKET & MOUNTING STRAPS. THREADED HUBS FOR CONDUITS. PROVIDE WEATHERPROOF FITTINGS.

COORDINATE THE INSTALLATION OF ALL WOODEN POLES WITH GENERAL CONTRACTOR AND IN ACCORDANCE WITH CIVIL SPECIFICATION.

CONTRACTOR TO ORIENTATE LIGHTING FIXTURES FOR OPTIMUM PERFORMANCE.

NEW WOODEN POLE. SEE SPEC FOR DETAILS.

27mm RIGID PVC CONDUIT C/W WIRING AS PER PANEL SCHEDULE. PROVIDE STRAPS AS PER CODE REQUIREMENTS.

MIN. 6mm THICK ALUMINUM COVERPLATE FOR MECHANICAL PROTECTION. SHAPE COVER TO SUIT. USE STAINLESS STEEL SCREWS TO FASTEN TO WOODEN POLE.

TOP OF FINISHED CONCRETE DECK.

RIGID PVC CONDUIT C/W WIRING AS TRENCH DETAIL & PER PANEL SCHEDULE.

LIGHT POLE DETAIL - NEW POLE #1
N.T.S.

EXISTING PANEL

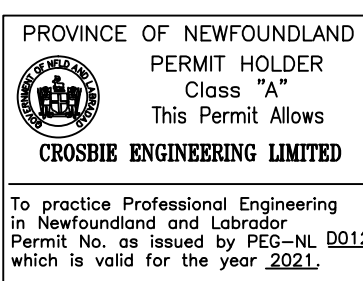
VOLTS	120/208	PANEL NAME	"A"	MAINS RATED	250	AMPS
PHASE	3	LOCATION	PANEL ENCLOSURE	MOUNTING	SURFACE	
WIRE	4	FED FROM	UTILITY	ENTER AT		CIRCUITS
						42
DESIGNATION	WATTAGE	WIRE	BKR	CCT	A B C	DESIGNATION
	Ø A Ø B Ø C					
ST CRANE #1	933	10	20	1	2 20 4	EXISTING PEDESTALS
	933	3	3	3	4 20 4	EXISTING PEDESTALS
	933	5	5	5	6 20 4	EXISTING PEDESTALS
		7	7	7	8 20 4	EXISTING PEDESTALS
E SPARE		9	9	9	10 20 6	EXISTING PEDESTALS
		11	11	11	12 20 6	EXISTING PEDESTALS
		13	13	13	14 20 6	EXISTING PEDESTALS
		15	15	15	16 20 6	EXISTING PEDESTALS
		17	17	17	18 20 10	PEDESTAL #1 (RECEPT. #1)
		19	19	19	20 20 10	PEDESTAL #1 (RECEPT. #2)
		21	21	21	22 20 10	PEDESTAL #1 (RECEPT. #3)
		23	23	23	24 20 10	PEDESTAL #1 (RECEPT. #4)
		25	25	25	26 20 8	PEDESTAL #2 (RECEPT. #1)
		27	27	27	28 20 8	PEDESTAL #2 (RECEPT. #2)
		29	29	29	30 20 8	PEDESTAL #2 (RECEPT. #3)
		31	31	31	32 20 8	PEDESTAL #2 (RECEPT. #4)
E LIGHTING - ENCLOSURE		15	33	33	34 15 10	JIB CRANE - LIGHTING
E RECEPTACLE - ENCLOSURE		15	35	35	36 15 10	SPARE
E HEATING - ENCLOSURE		15	37	37	38 15 12	120
E SPARE FOR CRANE #2		15	39	39	40 15 10	EXISTING LIGHTING POLE
GF30 LIGHTING - NEW LIGHT POLE #1		300	10	15	41	42 15 10
						EXISTING LIGHTING POLE
TOTAL DEMAND 29.64 KW 83 AMP						

E - INDICATES EXISTING CIRCUIT TO REMAIN.
GF - INDICATES CONTRACTOR TO SUPPLY AND INSTALL NEW CIRCUIT AND CIRCUIT BREAKER. CIRCUIT BREAKER SHALL BE GFCI CLASS A TYPE. SUPPLY AND INSTALL NEW CIRCUIT BREAKER AS INDICATED C/W MOUNTING HARDWARE, IC RATING TO MATCH. COORDINATE ON SITE. SUPPLY AND INSTALL NEW WIRING AND CONDUIT AS INDICATED.

GF30 - INDICATES CONTRACTOR TO SUPPLY AND INSTALL NEW CIRCUIT AND CIRCUIT BREAKER. SHALL BE GFCI CIRCUIT BREAKER WITH GROUND FAULT SETTING AT 30mA. SUPPLY AND INSTALL NEW CIRCUIT BREAKER AS INDICATED C/W MOUNTING HARDWARE, IC RATING TO MATCH. COORDINATE ON SITE. SUPPLY AND INSTALL NEW WIRING AND CONDUIT AS INDICATED.

ST - INDICATES CONTRACTOR TO SUPPLY AND INSTALL NEW CIRCUIT AND CIRCUIT BREAKER. CIRCUIT BREAKER SHALL BE C/W SHUNT TRIP BREAKER, AND CONNECTED TO A 30 mA GROUND FAULT PROTECTION RELAY (Eaton D64RPB100 OR APPROVED EQUAL, C/W ENCLOSURE). SUPPLY AND INSTALL C/W MOUNTING HARDWARE, IC RATING TO MATCH. COORDINATE ON SITE. SUPPLY AND INSTALL NEW WIRING AND CONDUIT AS INDICATED.

SMALL CRAFT HARBOURS



0	ISSUED FOR TENDER	10/05/21
A	ISSUED FOR REVIEW	13/02/20

WHARF RECONSTRUCTION TROUT RIVER, NL.

drawing design

ELECTRICAL DETAILS

designed K. NEIL concu

date APRIL 2021

drawn K. NEIL dessine

date APRIL 2021

approved approuve

date

Tender DFO Project Manager Paul Curran Soumission

project number 723199 no. du projet

drawing no. E4 no. du dessin