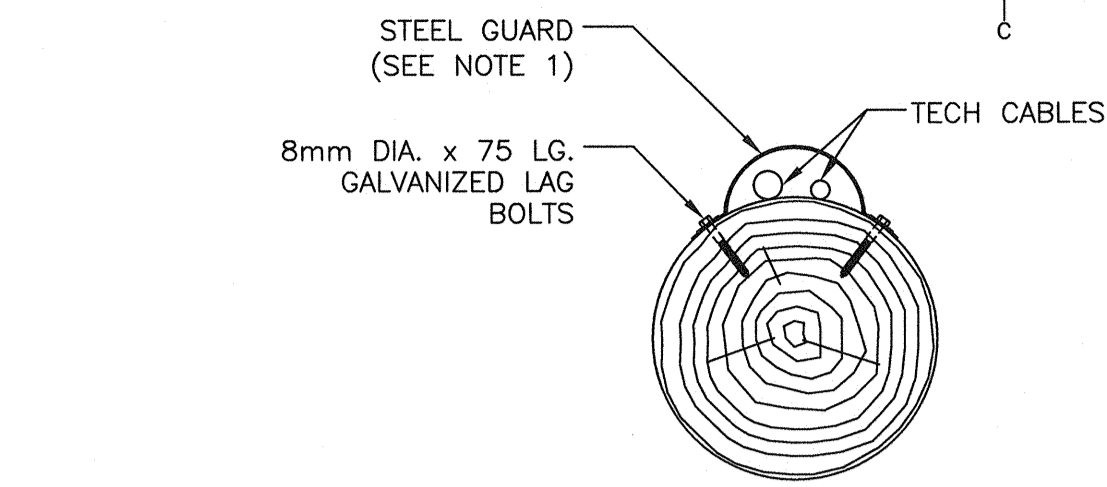


NOTES:
1. SPLICES IN JUNCTION BOX TO BE MADE USING MECHANICAL BOLTED CONNECTORS AND HEAT SHRINK BOOTS.

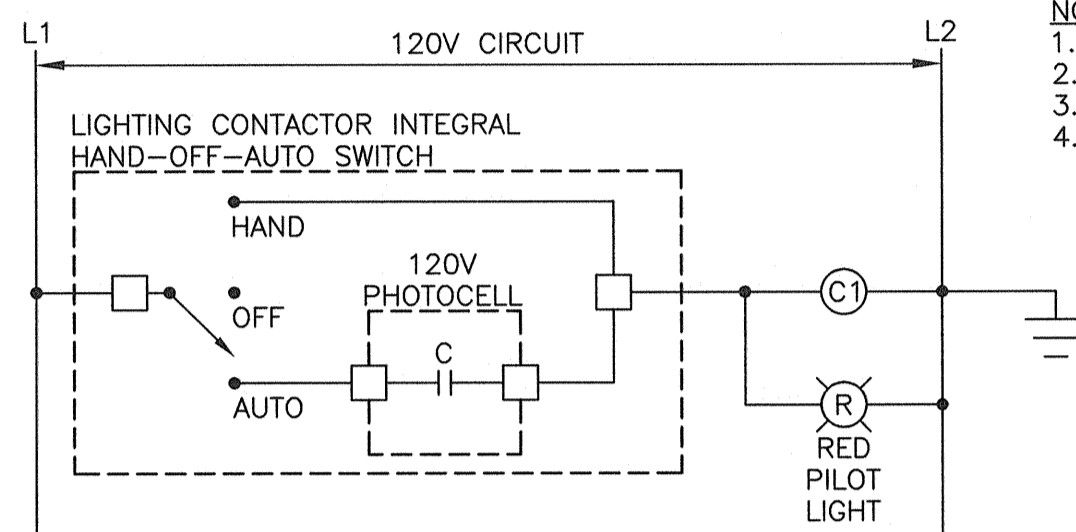
NEW LIGHT POLES DETAIL (TYP.)

SCALE : N.T.S.



GALVANIZED STEEL CONDUIT GUARD DETAIL

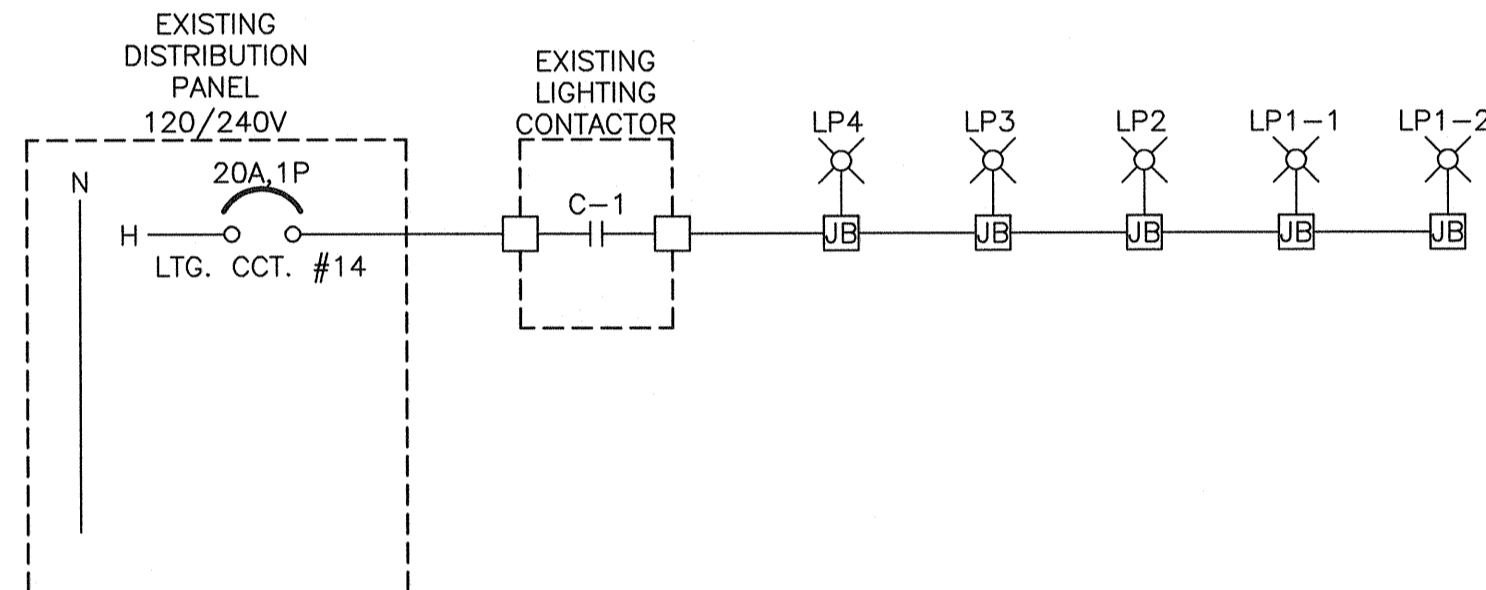
SCALE : N.T.S.



NOTES:
1. 2-POLE CONTACTOR
2. CONTACTS RATED FOR 20 AMP, 120V
3. 20 AMP COIL
4. THE PHOTOCCELL AND CONTROL SCHEMATIC ARE EXISTING. POWER IT WITH SINGLE BREAKER CIRCUIT AND USE THE EXISTING CONTACTOR.

WHARF LIGHTING CONTROL SCHEMATIC

SCALE : N.T.S.



WHARF LIGHTING WIRING DIAGRAM

SCALE : N.T.S.

ITEM NO.	QUANTITY	
1	5	PINE POLE, CLASS 4, CGA PRESERVATIVE TREATED, 10.7m (35'-0")
2	5	JUNCTION BOX, PVC MOULDED, OCTAGON, IPEX PART #0B15/10, PRODUCT CODE #77983, C/W GASKET, COVERPLATE AND STAINLESS STEEL SCREWS.
3	AS REQUIRED	CONNECTOR, NON-METALLIC, LIQUID TIGHT, STRAIN RELIEF, THOMAS & BETTS BLACK BEAUTY SERIES.
4	AS REQUIRED	TECK CONNECTOR, PVC COATED ALUMINIUM, SIZED AS REQUIRED TO SUIT CABLE, THOMAS & BETTS STAR TECK SERIES
5	AS REQUIRED	BIRD DETERRENT SPIKES, STAINLESS STEEL RODS WITH BLUNTED ENDS, UV POLYCARBONATE BASE, WIDE OR EXTRA-WIDE DESIGN, C/W BIRD BARRIER BOND FOR GLUING TO SURFACE AS REQUIRED. REFER TO BIRD BARRIER AMERICA INC. PRODUCT (EAST). TOLL FREE #(800) 662-4737 FOR SUPPLY AND INSTALLATION REQUIREMENTS.

NOTES:

- THE CONTRACTOR SHALL SUPPLY AND INSTALL A SCHEDULE 40 GALVANIZED STEEL CABLE GUARD. SECURE TO POLE USING GALVANIZED STEEL LAG BOLTS.
- SUPPLY AND INSTALL STRAIN RELIEF CONNECTORS, SIZED TO SUIT, FOR ALL SOOW CABLES.
- CONTRACTOR SHALL SUPPLY AND INSTALL PVC COATED TECK CONNECTORS FOR ALL TECK CABLE TERMINATIONS.
- SECURE PVC CONDUIT AND TECK CABLE WITH PVC COATED STEEL MOUNTING BRACKETS AND STAINLESS STEEL OR GALVANIZED STEEL HARDWARE, 300mm FROM ALL EQUIPMENT AND NOT MORE THAN 600mm CENTRE TO CENTRE.
- FOR CONDUITS EXTEND POWER CAP SLEEVES THROUGH CURTAIN WALL.

LOAD CALCULATIONS (DEMAND) - PARTIAL DISTRIBUTION PANEL:

RECEPTACLE LOAD (CEC 78-056):

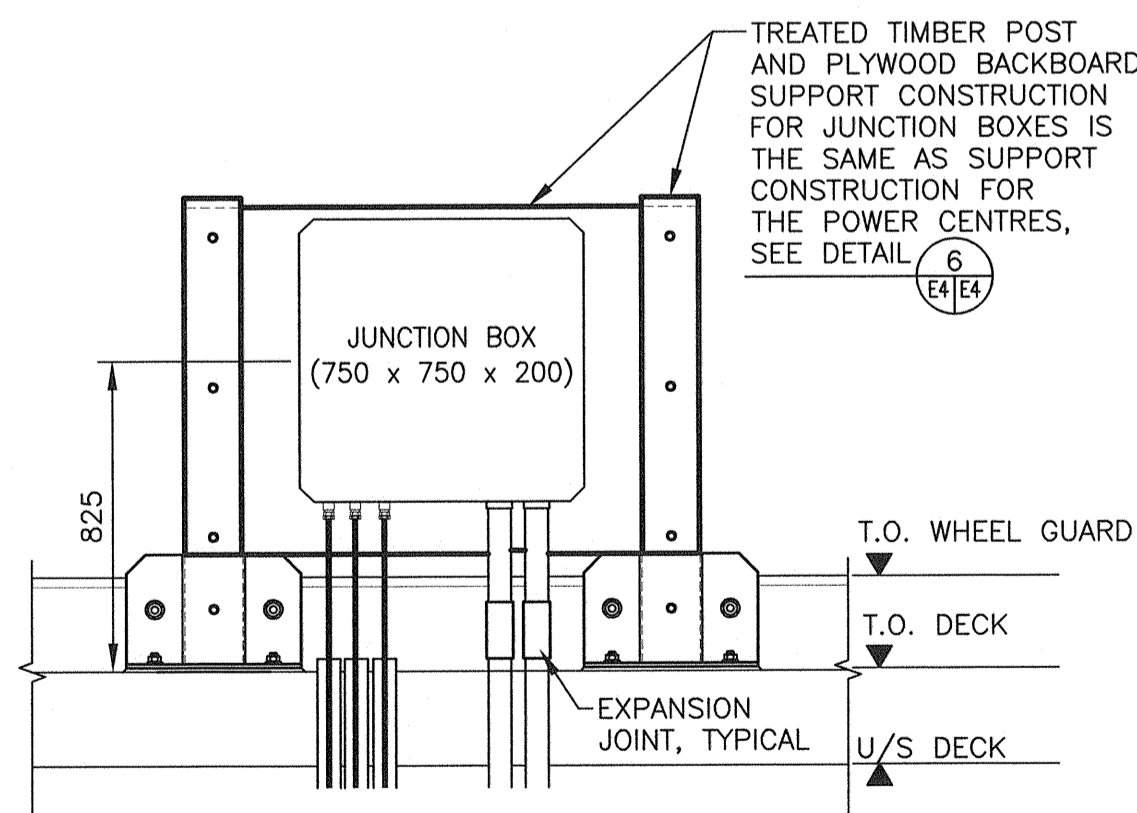
- (4 x 15A x 120) 100% = 7.200kW
- (4 x 15A x 120) 65% = 4.680kW
- TOTAL RECEPTACLE LOAD = 11.880kW

LIGHTING CONTROLS = 0.600kW

LIGHTS = 0.840kW (5 LIGHTS)

TOTAL LOAD RECEPTACLES = 11.880kW
LIGHTING CONTROLS = 1.440kW
TOTAL = 13.320kW x 1.25 = 16.65kVA

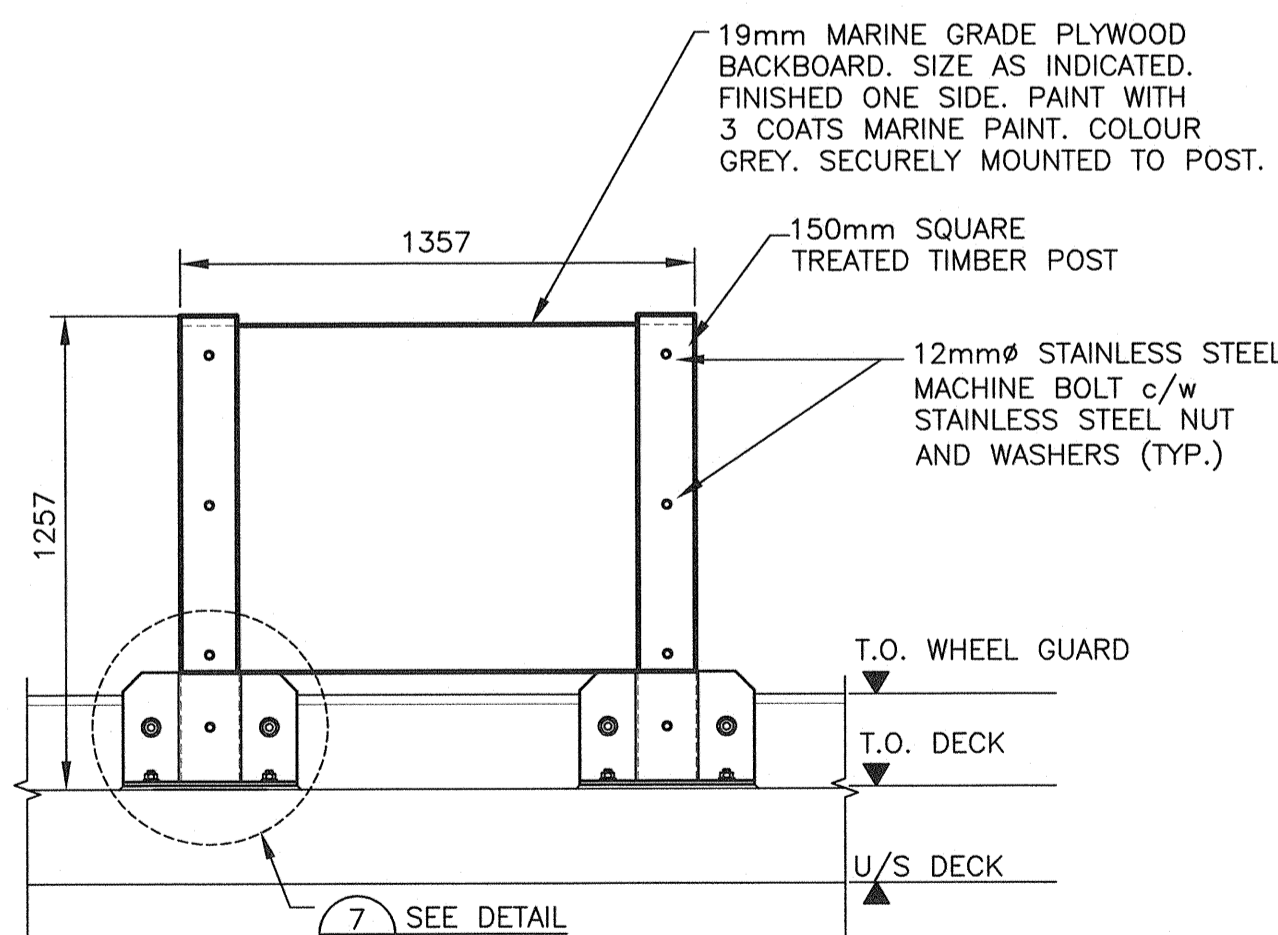
TOTAL SERVICE LOADING = 16.65kVA / 240 VOLTS = 69.4 AMPS



NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. PROVIDE 78mm SLEEVES THROUGH DECK FOR TECK CABLES.
3. ALL SPLICES AND JOINTS IN JUNCTION BOX TO BE MADE USING MECHANICALLY BOLTED CONNECTORS AND HEAT SHRINK BOOTS.

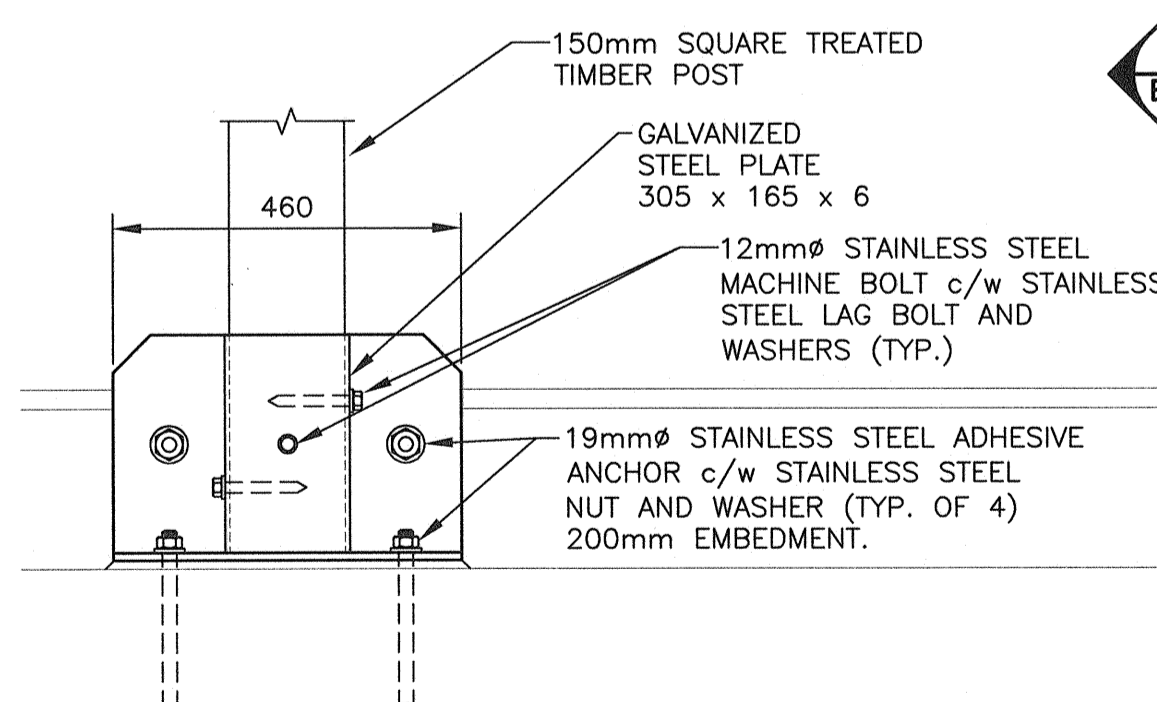
JUNCTION BOXES JB3 & JB4

SCALE : N.T.S.



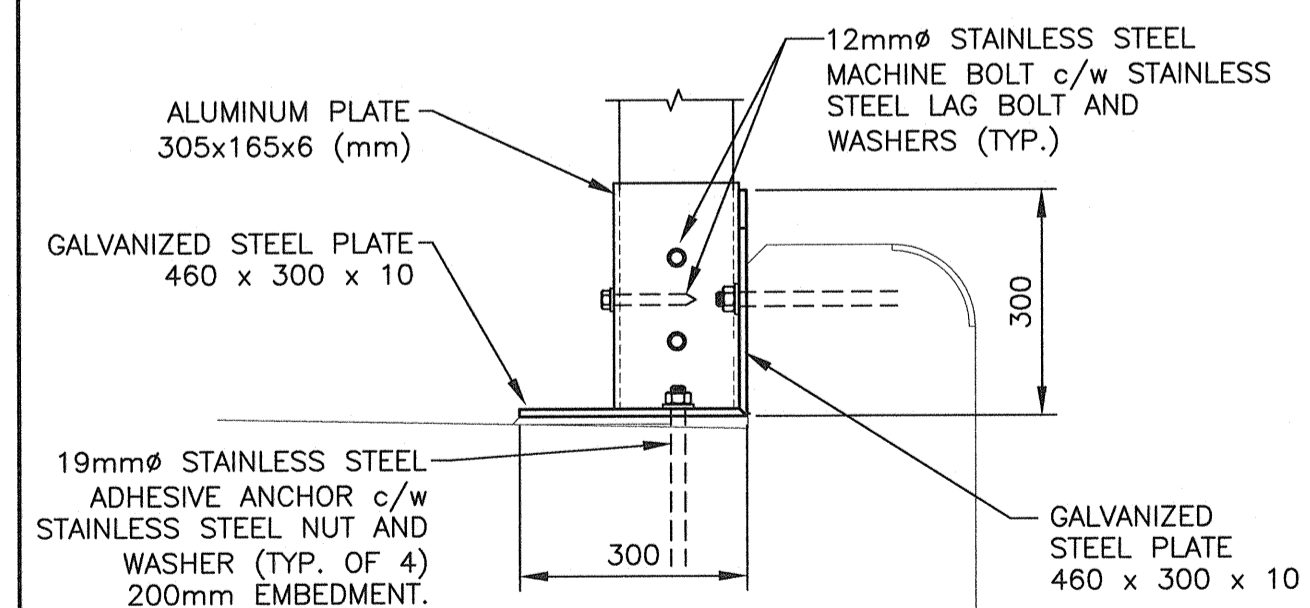
JUNCTION BOX MOUNT

SCALE : N.T.S.



MOUNTING PLATE - ELEVATION

SCALE : N.T.S.



MOUNTING PLATE - SECTION

SCALE : N.T.S.



0	ISSUED FOR TENDER	JUN 23 2017
revisions		date
project		projet

WHARF RECONSTRUCTION

MARGAREE HARBOUR INVERNESS COUNTY NOVA SCOTIA

drawing	dessin
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ELECTRICAL DETAILS

designed	M.NAIDU	conçu
date	JUN. 2017	
drawn	M.KAMPHUIS	dessiné
date	JUN. 2017	
approved	M.NAIDU	approuvé
date	JUN. 2017	
Tender		Soumission
PWGC Project Manager	Administrateur de projets TPSCG	
project number		no. du projet
	R.082860.001	
drawing no.		no. du dessin
	E4 of 6	