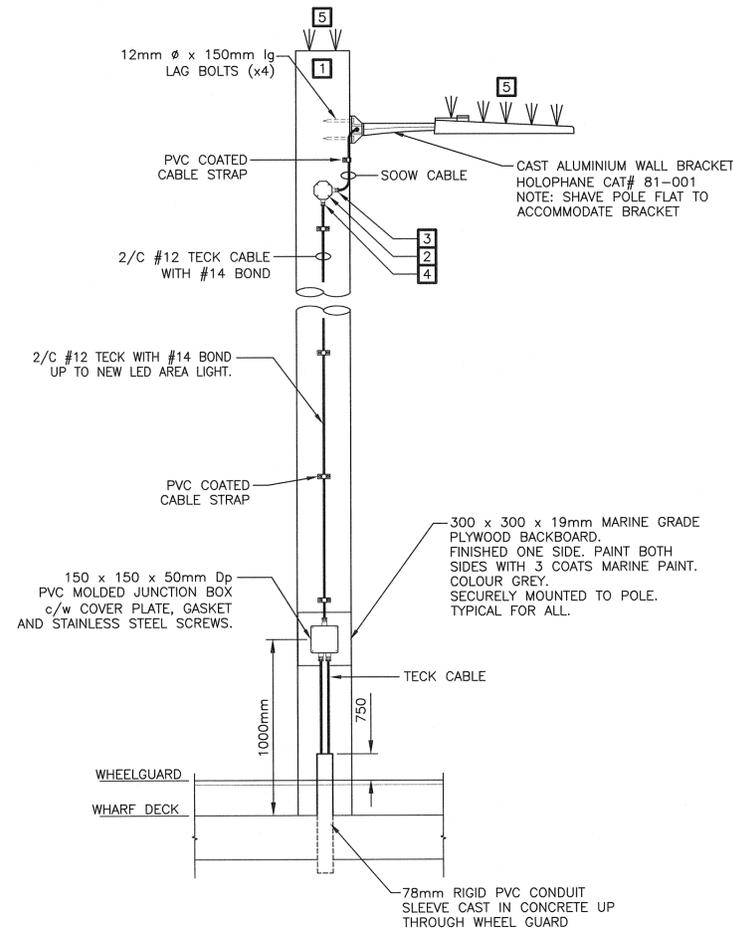


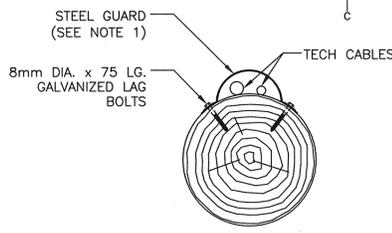


| ITEM NO. | QUANTITY | |
|----------|-------------|--|
| 1 | 5 | PINE POLE, CLASS 4, CGA PRESERVATIVE TREATED, 10.7m (35'-0") |
| 2 | 5 | JUNCTION BOX, PVC MOULDED, OCTAGON, IPEX PART #OB15/10, PRODUCT CODE #77983, C/W GASKET, COVERPLATE AND STAINLESS STEEL SCREWS. |
| 3 | AS REQUIRED | CONNECTOR, NON-METALLIC, 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. |

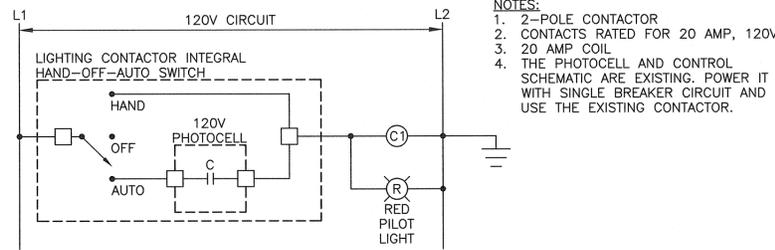
- NOTES:
- THE CONTRACTOR SHALL SUPPLY AND INSTALL A SCHEDULE 40 GALVANIZED STEEL CABLE GUARD. SECURE TO POLE USING GALVANIZED STEEL LAG BOLTS.
 - SUPPLY AND INSTALL STRAIN RELIEF CONNECTORS, SIZED TO SUIT, FOR ALL SOOW CABLES.
 - CONTRACTOR SHALL SUPPLY AND INSTALL PVC COATED TECK CONNECTORS FOR ALL 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.



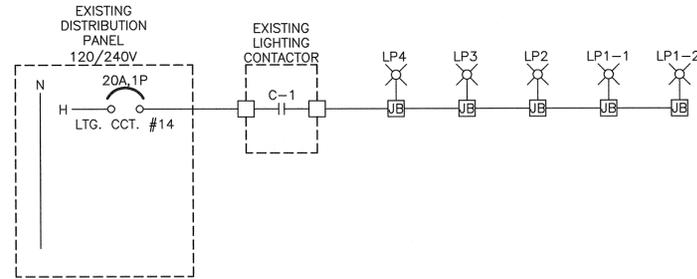
NEW LIGHT POLES DETAIL (TYP.)
SCALE : N.T.S.



GALVANIZED STEEL CONDUIT GUARD DETAIL
SCALE : N.T.S.



WHARF LIGHTING CONTROL SCHEMATIC
SCALE : N.T.S.



WHARF LIGHTING WIRING DIAGRAM
SCALE : N.T.S.

LOAD CALCULATIONS (DEMAND) - PARTIAL DISTRIBUTION PANEL:

RECEPTACLE LOAD (CEC 78-056):

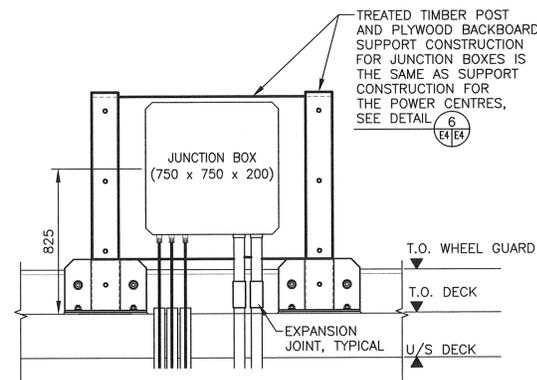
- (4 x 15A x 120) 100% = 7.200kW
- (4 x 15A x 120) 65% = 4.680kW
- TOTAL RECEPTACLE LOAD = 11.880kW

LIGHTING CONTROLS = 0.600kW

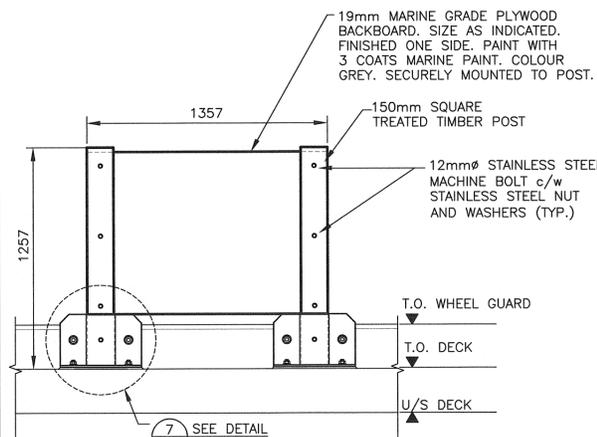
LIGHTS = 0.840kW (5 LIGHTS)

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

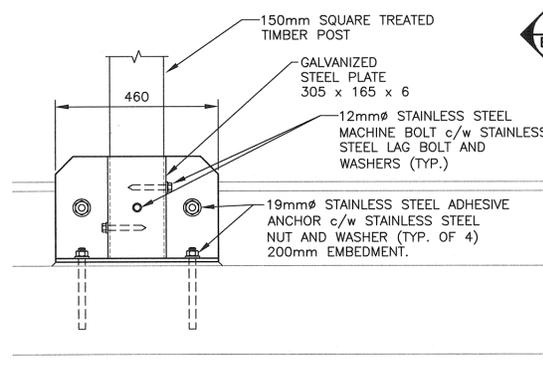
TOTAL SERVICE LOADING = 16.65kVA / 240 VOLTS = 69.4 AMPS



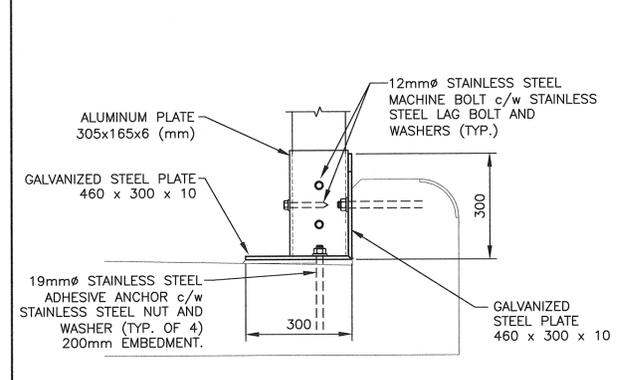
JUNCTION BOXES JB3 & JB4
SCALE : N.T.S.



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 WHARF RECONSTRUCTION
project MARGAREE HARBOUR
project INVERNESS COUNTY
project NOVA SCOTIA

drawing ELECTRICAL DETAILS

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