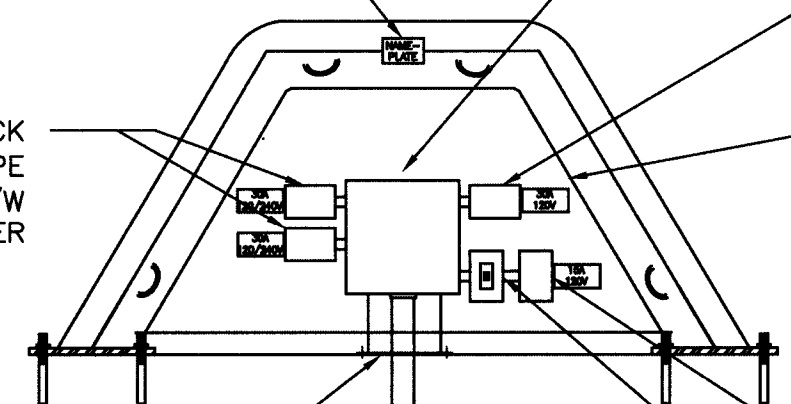


1 PVC JUNCTION BOX FOR LIGHTS 9,10 AND PEDESTALS 8,9
E1|E2 N.T.S.

LAMACOID NAMEPLATE (MECHANICALLY ATTACHED) TO READ AS FOLLOWS:
DANGER WHEN OPERATING EQUIPMENT, APPROVED RECEPTACLES, CORDS, PLUGS AND OVERCURRENT DEVICES MUST BE USED AS PER RECEPTACLE SIZE.

30A, 125/250V MARINE GRADE TWISTLOCK RECEPTACLE C/W YELLOW FIBERGLASS TYPE FD BOX C/W WEATHERPROOF COVER C/W MATCHING YELLOW PLUG & YELLOW RUBBER BOOT.



300 x 300 x 150mm PVC JUNCTION BOX RATED NEMA 4X C/W WEATHERPROOF COVERPLATE, NEOPRENE GASKET, MOUNTING STRAPS & WEATHERPROOF FITTINGS. "SCREPTER" OR APPROVED EQUAL. SIZE BOND WIRES TO SECTION 10 OF C.E.C. C22.1-15. ALL CABLE CONNECTORS TO BE MARINE GRADE C/W "O" RINGS. BOX TO BE C/W DIN RAIL MOUNTED TERMINAL BLOCKS EQUAL TO "PHOENIX" CONTACT UK16 SERIES. DO NOT SPLICE CONDUCTORS.

30A, 125V MARINE GRADE TWISTLOCK RECEPTACLE C/W YELLOW FIBERGLASS TYPE FD BOX C/W WEATHERPROOF COVER C/W MATCHING YELLOW PLUG & YELLOW RUBBER BOOT.

LAMACOID NAMEPLATE (MECHANICALLY ATTACHED) FOR EACH RECEPTACLE READING "PANEL A" CCT#---, REC#---, ---A, 120V" C/W APPROPRIATE INFO. COORDINATE WITH OWNERS FOR EXACT WORDING. RECEPTACLE NUMBER TO MATCH PANEL SCHEDULE AND VOLTAGE RATING OF RECEPTACLE.

15A 125V MARINE GRADE STRAIGHT BLADE DUPLEX RECEPTACLE C/W YELLOW FIBERGLASS TYPE FD BOX, WEATHERPROOF COVER, MATCHING YELLOW PLUG AND YELLOW RUBBER BOOT.

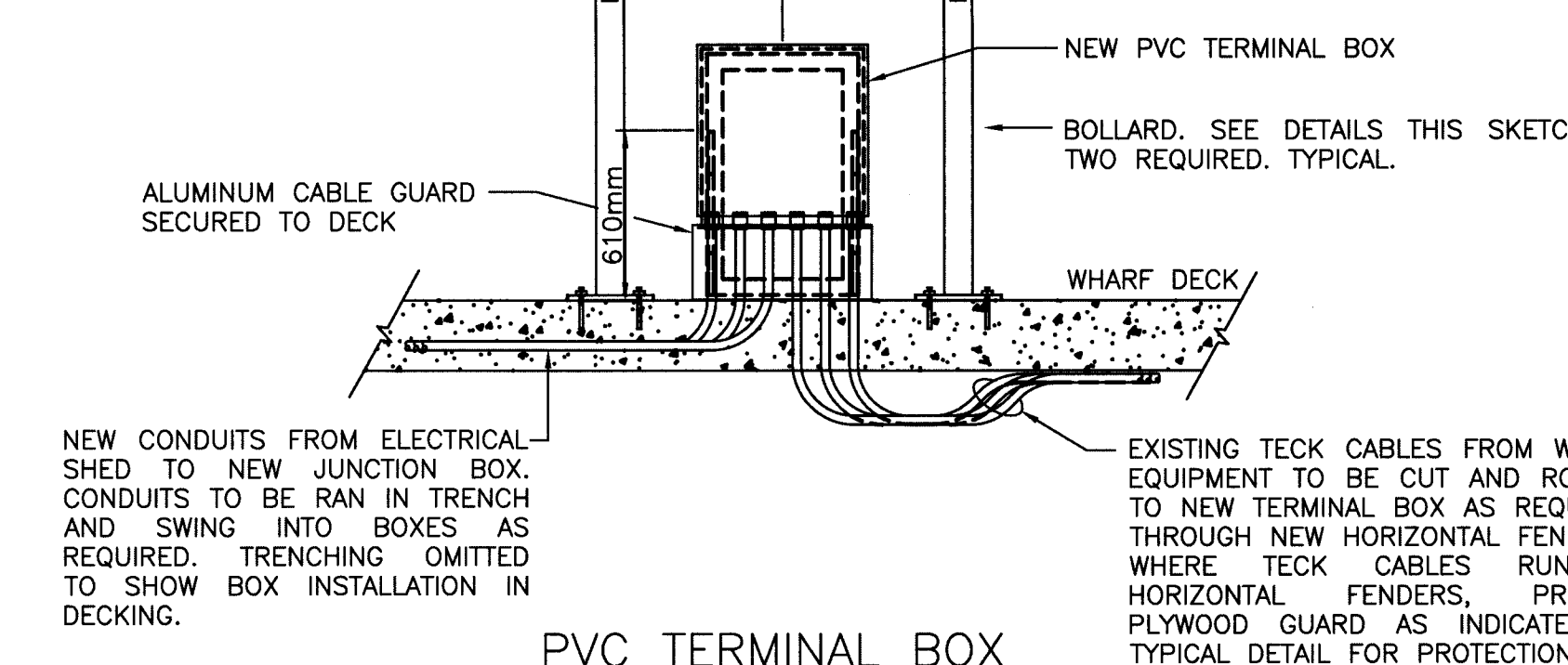
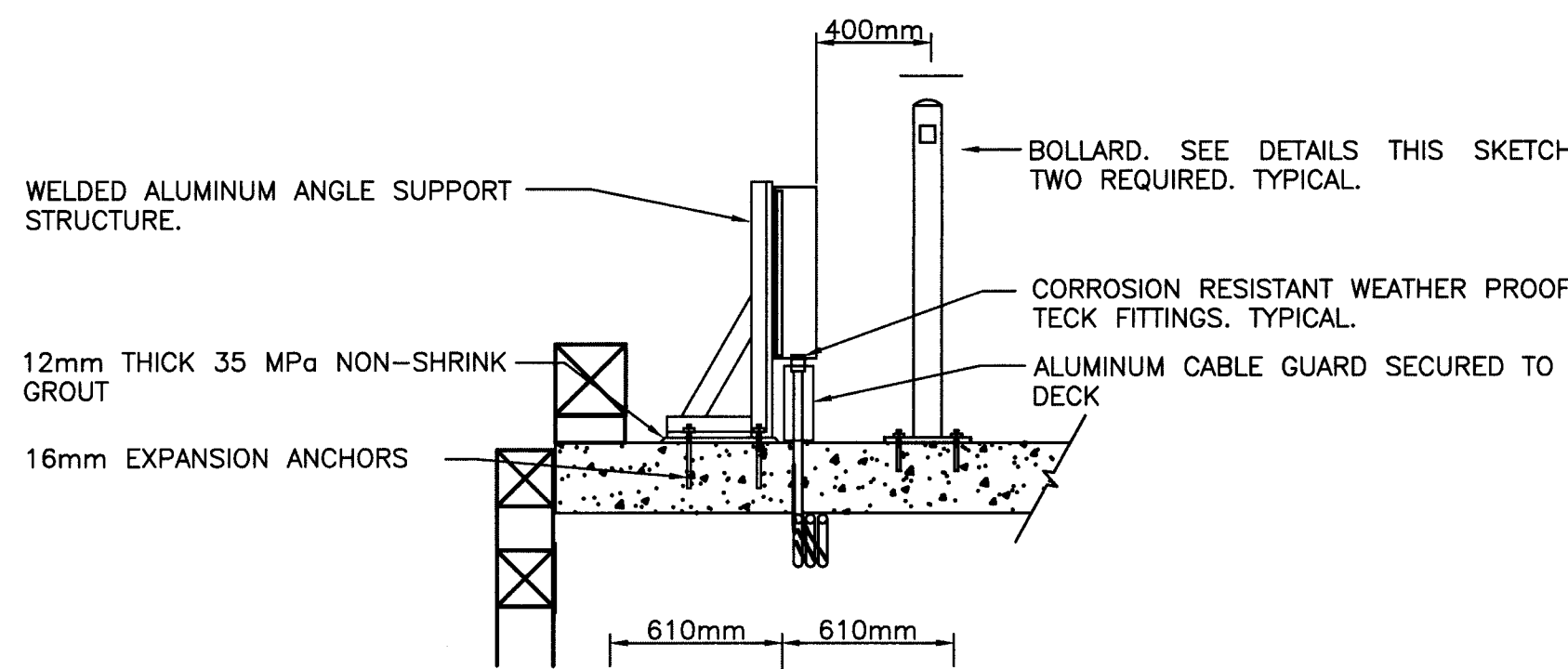
15A 125V GFCI MODULE INSTALLED IN A FIBERGLASS WEATHERPROOF BOX WITH TWO 3/4" I.P.S. MOLDED IN KNOCKOUTS C/W PVC WEATHERPROOF CAST ALUMINUM LIFT COVER PLATE. RUN RW90 CONDUCTORS AND #TW BOND.

CONTRACTOR TO PROVIDE AND INSTALL NEW 6mm THICK ALUMINUM PIPE GUARD ANCHORED TO DECK & PEDESTAL BACK PLATE USING STAINLESS STEEL SCREWS. SHAPE GUARD TO FIT APPLICATION.

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 "CROUSE HINDS" OR EQUAL, C/W 20mm
3. PROVIDE ALUMINUM ANGLE MOUNTING BRACKETS WELDED TO THE BACK PLATE, FOR ALL RECEPTACLES.
4. DRILL 9mm DRAINAGE HOLE IN BACK CORNERS OF JUNCTION BOX TO ALLOW FOR DRAINAGE OF WATER.
5. USE 21mm PVC CONDUIT FROM JUNCTION BOX TO RECEPTACLES.

6 ELECTRICAL PEDESTAL #10
E1|E2 N.T.S.



NEW CONDUITS FROM ELECTRICAL SHED TO NEW JUNCTION BOX. CONDUITS TO BE RAN IN TRENCH AND SWING INTO BOXES AS REQUIRED. TRENCHING OMITTED TO SHOW BOX INSTALLATION IN DECKING.

PVC TERMINAL BOX

LAMACOID NAMEPLATE (MECHANICALLY ATTACHED) TO READ AS FOLLOWS:
DANGER WHEN OPERATING EQUIPMENT, APPROVED RECEPTACLES, CORDS, PLUGS AND OVERCURRENT DEVICES MUST BE USED AS PER RECEPTACLE SIZE.

50A, 125/250V MARINE GRADE TWISTLOCK RECEPTACLE C/W YELLOW FIBERGLASS TYPE FD BOX C/W WEATHERPROOF COVER C/W MATCHING YELLOW PLUG & YELLOW RUBBER BOOT.

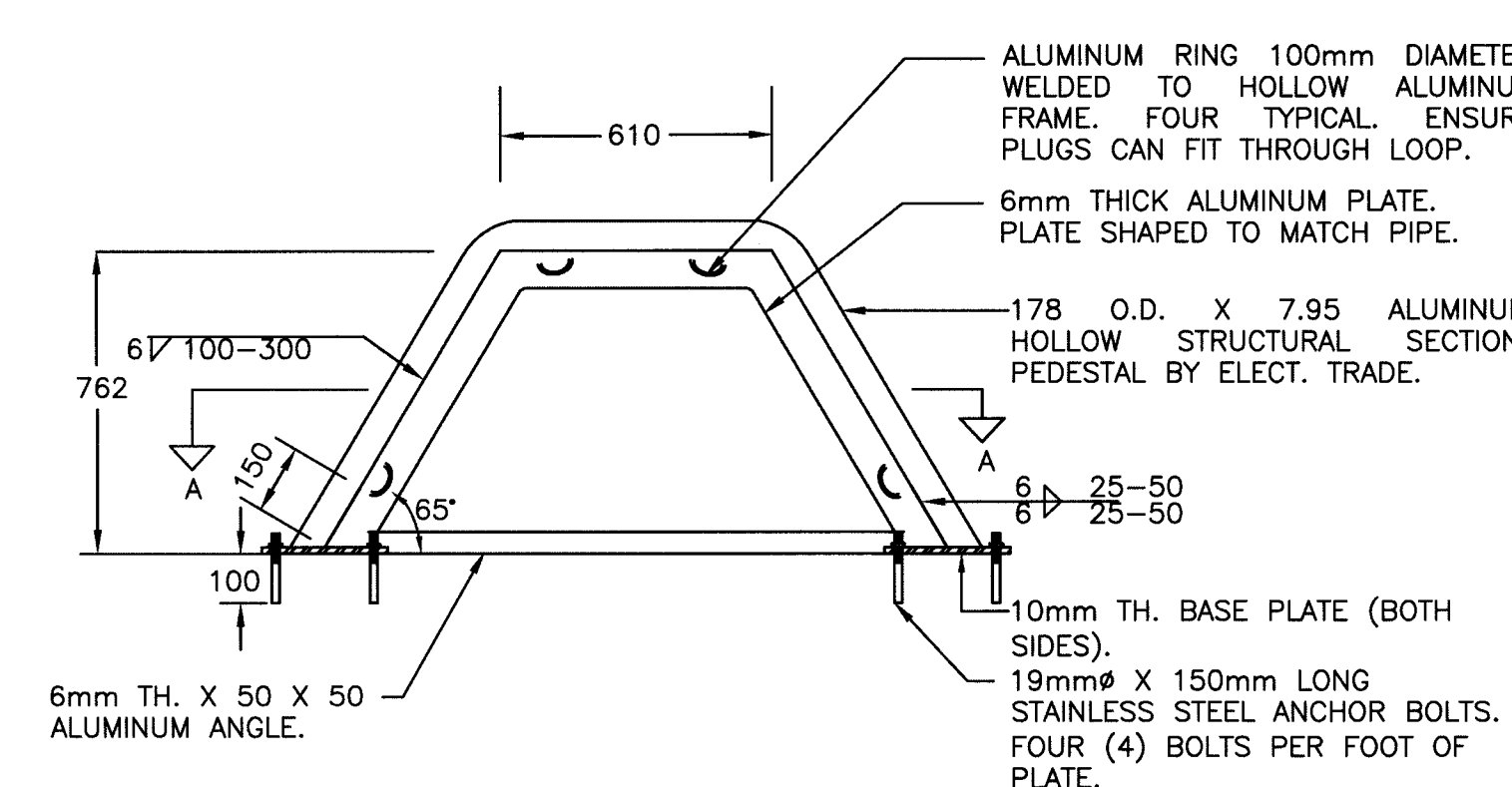
30A, 125/250V MARINE GRADE TWISTLOCK RECEPTACLE C/W YELLOW FIBERGLASS TYPE FD BOX C/W WEATHERPROOF COVER C/W MATCHING YELLOW PLUG & YELLOW RUBBER BOOT.

CONTRACTOR TO PROVIDE AND INSTALL NEW 6mm THICK ALUMINUM PIPE GUARD ANCHORED TO DECK & PEDESTAL BACK PLATE USING STAINLESS STEEL SCREWS. SHAPE GUARD TO FIT APPLICATION.

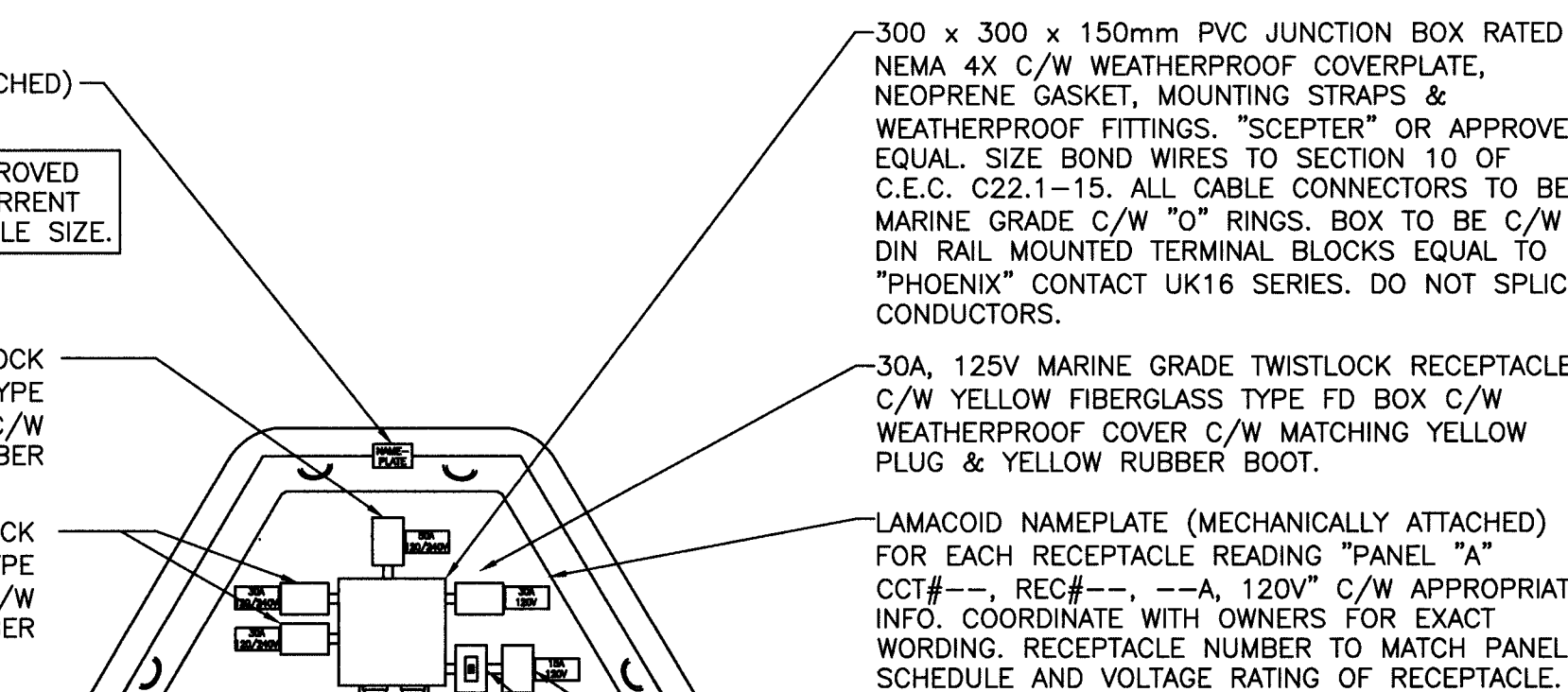
PEDESTAL NOTES:

1. REINFORCING OMITTED FOR CLARITY.
2. MOUNT RECEPTACLES IN PVC FD TYPE OUTLET BOX, COVER, GASKET & MOUNTING LUGS, HUBS, WEATHER PROOF FITTINGS, CAST "CROUSE HINDS" OR EQUAL, C/W 20mm
3. PROVIDE ALUMINUM ANGLE MOUNTING BRACKETS WELDED TO THE BACK PLATE, FOR ALL RECEPTACLES.
4. DRILL 9mm DRAINAGE HOLE IN BACK CORNERS OF JUNCTION BOX TO ALLOW FOR DRAINAGE OF WATER.
5. USE 21mm PVC CONDUIT FROM JUNCTION BOX TO RECEPTACLES.

7 ELECTRICAL PEDESTALS #11 - #14
E1|E2 N.T.S.



4 ELECTRICAL PEDESTAL CONSTRUCTION
E2 N.T.S.



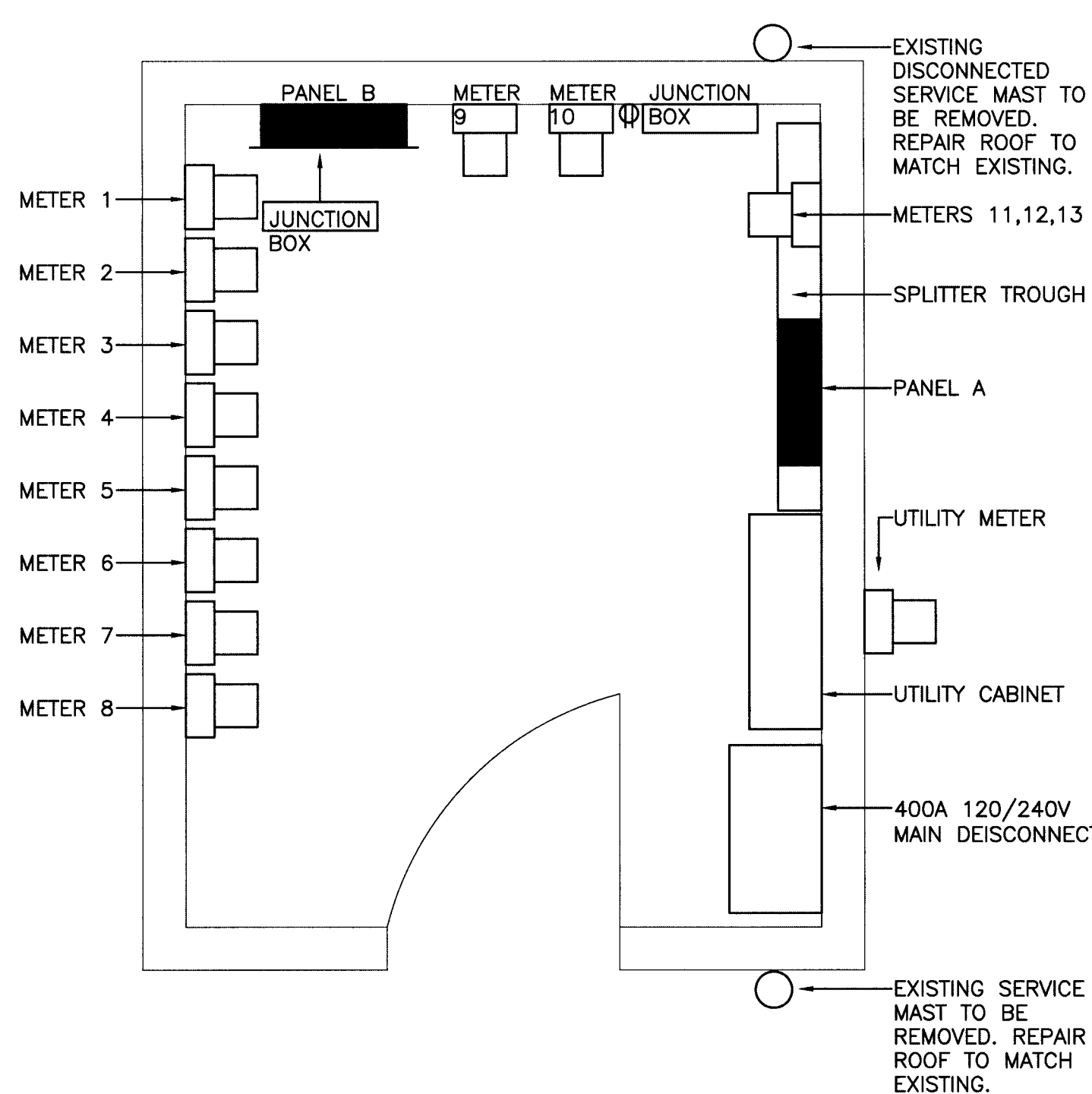
300 x 300 x 150mm PVC JUNCTION BOX RATED NEMA 4X C/W WEATHERPROOF COVERPLATE, NEOPRENE GASKET, MOUNTING STRAPS & WEATHERPROOF FITTINGS. "SCREPTER" OR APPROVED EQUAL. SIZE BOND WIRES TO SECTION 10 OF C.E.C. C22.1-15. ALL CABLE CONNECTORS TO BE MARINE GRADE C/W "O" RINGS. BOX TO BE C/W DIN RAIL MOUNTED TERMINAL BLOCKS EQUAL TO "PHOENIX" CONTACT UK16 SERIES. DO NOT SPLICE CONDUCTORS.

30A, 125V MARINE GRADE TWISTLOCK RECEPTACLE C/W YELLOW FIBERGLASS TYPE FD BOX C/W WEATHERPROOF COVER C/W MATCHING YELLOW PLUG & YELLOW RUBBER BOOT.

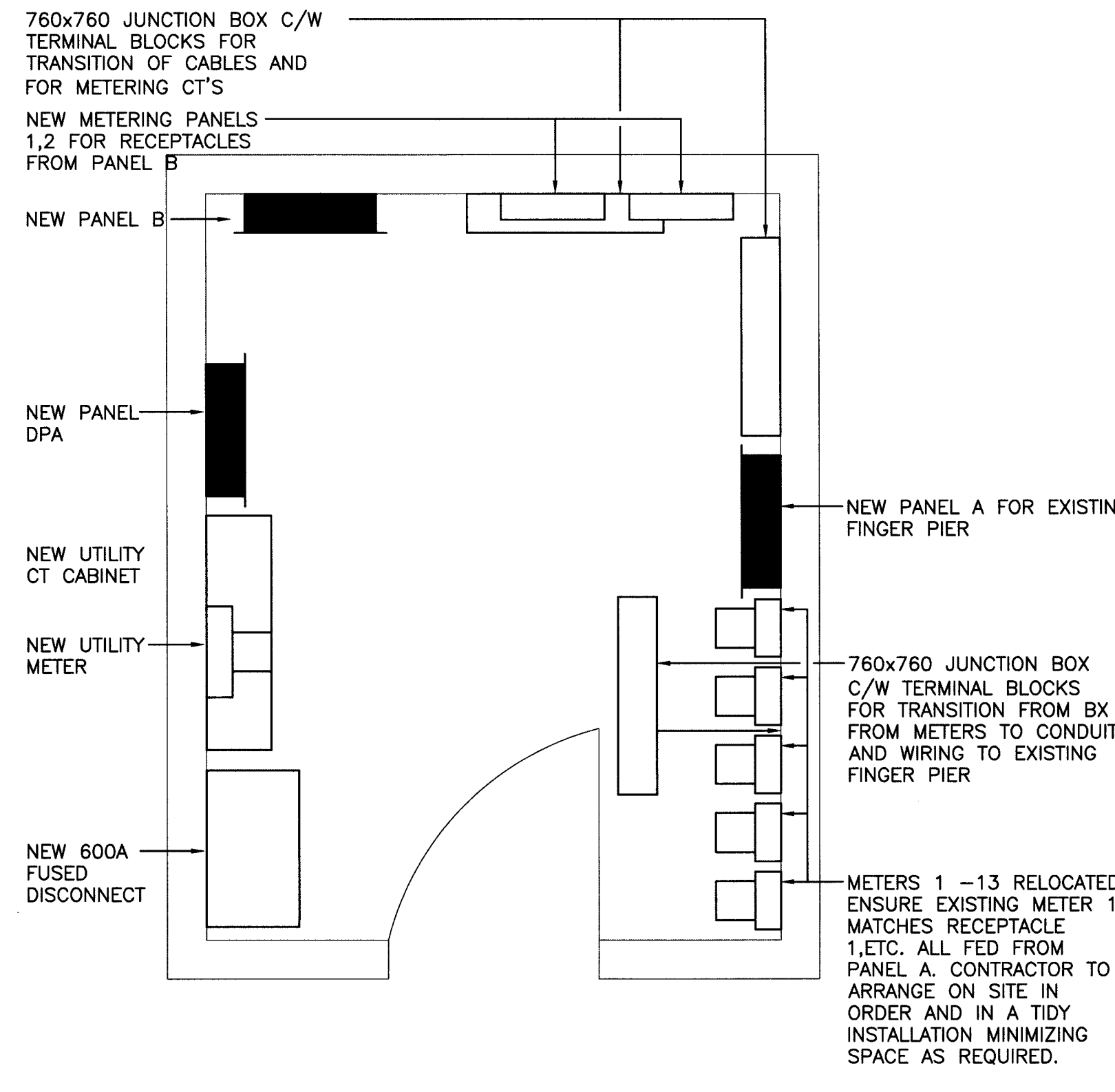
LAMACOID NAMEPLATE (MECHANICALLY ATTACHED) FOR EACH RECEPTACLE READING "PANEL A" CCT#---, REC#---, ---A, 120V" C/W APPROPRIATE INFO. COORDINATE WITH OWNERS FOR EXACT WORDING. RECEPTACLE NUMBER TO MATCH PANEL SCHEDULE AND VOLTAGE RATING OF RECEPTACLE.

15A 125V MARINE GRADE STRAIGHT BLADE DUPLEX RECEPTACLE C/W YELLOW FIBERGLASS TYPE FD BOX, WEATHERPROOF COVER, MATCHING YELLOW PLUG AND YELLOW RUBBER BOOT.

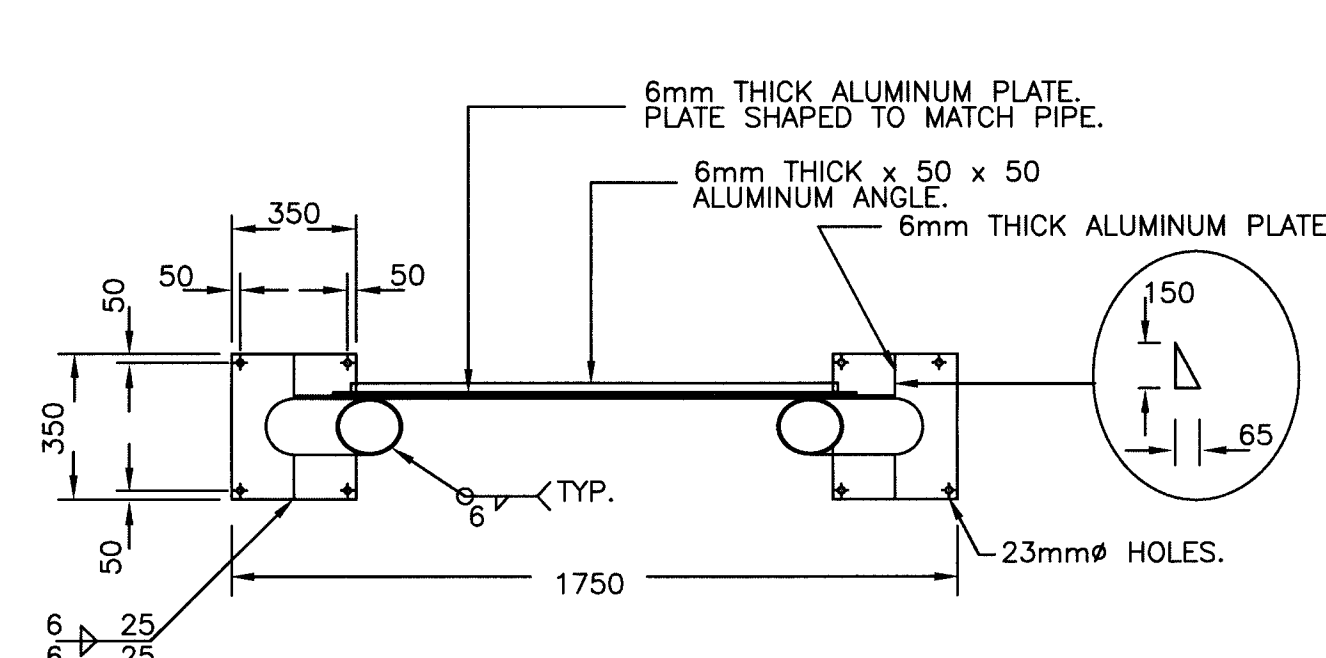
15A 125V GFCI MODULE INSTALLED IN A FIBERGLASS WEATHERPROOF BOX WITH TWO 3/4" I.P.S. MOLDED IN KNOCKOUTS C/W PVC WEATHERPROOF CAST ALUMINUM LIFT COVER PLATE. TWO 53mm RIGID PVC CONDUITS ATTACHED BY FIBERGLASS 90° ELBOW (EQUAL TO CHAMPION XW) WITH STANDARD PVC COUPLING BONDED TO BOTH ENDS. RUN IN CONCRETE WHARF DECK FOR ALL PEDESTALS RUN RW90 CONDUCTORS AND #TW BOND.



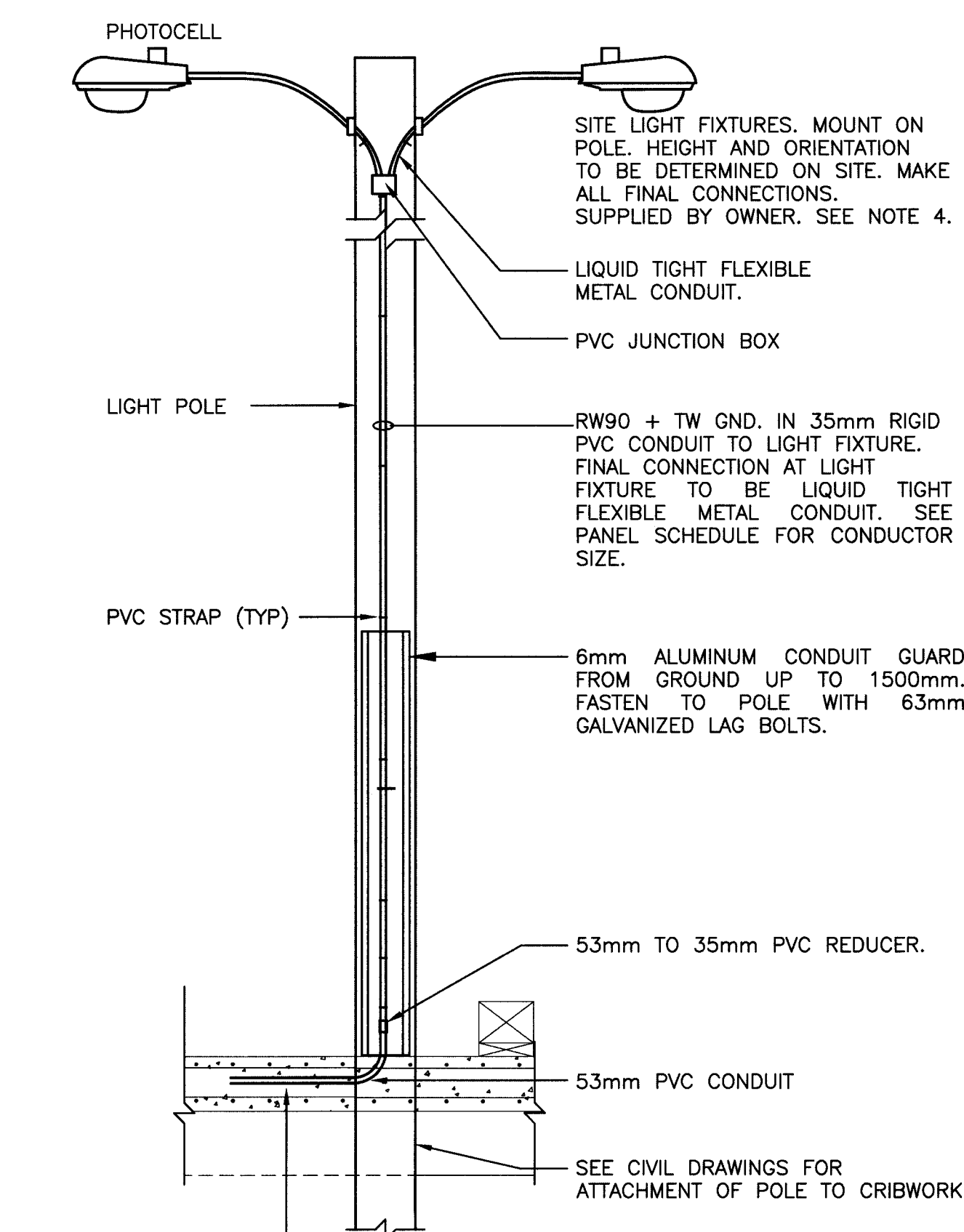
2 EXISTING ELECTRICAL SHED LAYOUT
E1|E2 N.T.S.



3 EXISTING ELECTRICAL SHED NEW LAYOUT
E1|E2 N.T.S.



5 ELECTRICAL PEDESTAL SECTION A-A
E2 N.T.S.



8 TYPICAL LIGHT POLE DETAIL
E1|E2 N.T.S.

SMALL CRAFT HARBOURS



NOTES:
1. ALL ELEVATIONS ARE IN METRES, UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS OTHERWISE NOTED.
3. DO NOT SCALE FROM DRAWING, USE DIMENSIONS INDICATED.
4. LIGHTING AND MOUNTING ARMS SUPPLIED BY DFO. CONTRACTOR TO PICK UP AT DFO WAREHOUSE, 121 GLENCOE DRIVE, MT. PEARL. COORDINATE WITH DEPARTMENTAL REPRESENTATIVE PRIOR TO PICK UP. CONTACT DION UPWARD AT 709-763-5689. ENSURE THAT CONTRACTOR PROVIDES THREE DAYS NOTICE PRIOR TO PICKUP TO ALLOW FOR COORDINATION.



PROVINCE OF NEWFOUNDLAND AND LABRADOR
PERMIT HOLDER
THIS PERMIT ALLOWS
MADERRA ENGINEERING
To practice Professional Engineering in Newfoundland and Labrador.
Permit No. as issued by PEG Y0283
which is valid for the year 2016
by Permit Holder (MRC No.) 02824

revisions	date	project
D	ISSUED FOR TENDER	16/09/21
C	ISSUED FOR 99% REVIEW	16/06/13
B	ISSUED FOR 66% REVIEW	16/06/06
A	ISSUED FOR 33% REVIEW	16/06/17

WHARF CONSTRUCTION FERMEUSE, NL

drawing no. dessein

ELECTRICAL DETAILS

designed S.MCGUIRE	conçu
date MAY, 2016	
drawn S.MCGUIRE	dessiné
date MAY, 2016	
approved R.FROUDE	approuvé
date MAY, 2016	
Tender	Soumission
DFO Project Manager	Administrateur de projets MPO
project number	no. du projet
721920	
drawing no.	no. du dessin
E2	