

NOTES:  
1.) SEE GENERAL NOTES ON DRAWING E1.

LAYOUT INDICATED IS APPROXIMATE  
ONLY. CONTRACTOR TO RELOCATE  
ELECTRICAL DEVICES IN SHED TO  
SUIT SITE CONDITIONS. TO BE  
COORDINATED ON SITE.

ELECTRIC BASEBOARD  
HEATER TO BE 208 VOLT,  
1 PHASE, 500 WATT.  
CIRCUIT A43,45

75mm CONCRETE PAD.

ELECTRICAL SERVICE  
CONDUIT ON EXTERIOR.  
SEE DETAIL "ELECTRICAL SERVICE  
ENTRANCE DETAIL" DRAWING E3.

400 AMP, 120/208 VOLT,  
3Ø, 4W, SINGLE SECTION  
SERVICE ENTRANCE BOARD.

PANEL "A" 400 AMP,  
120/208 VOLT, 3Ø, 4W,

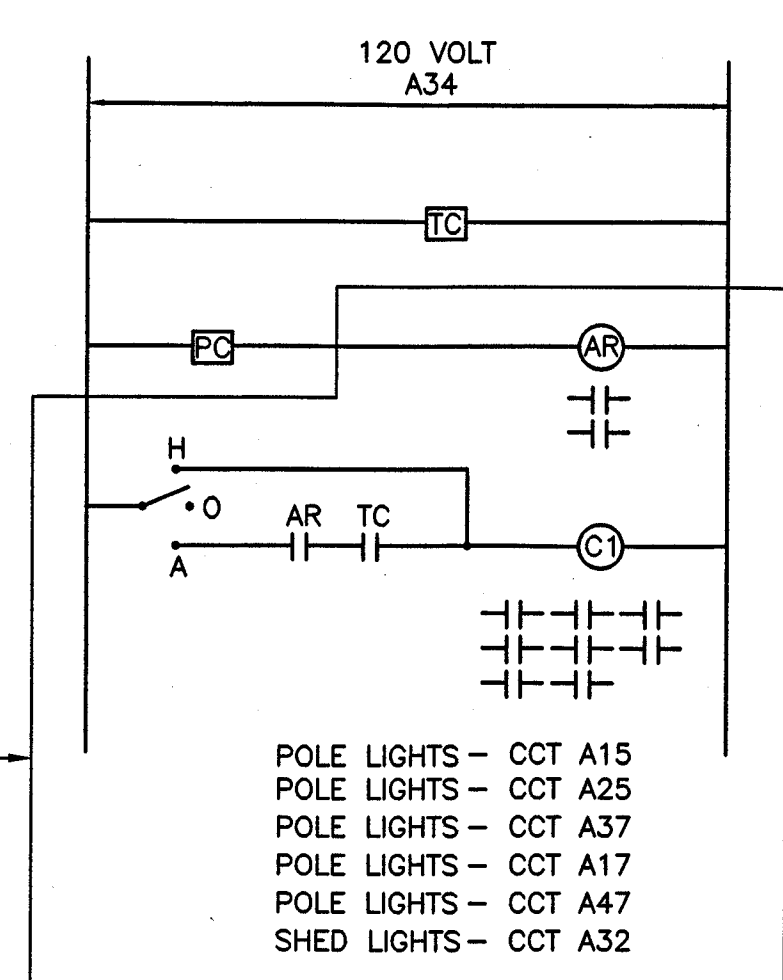
PANEL "B" 100 AMP,  
120/208 VOLT, 3Ø, 4W,

PHOTOCELL  
A32  
A38  
WP  
15 KVA DRY TYPE TRANSFORMER  
T1, 208:120/240V, 1Ø-3W,  
75mm CONCRETE PAD.

EXTERIOR LIGHTING  
CONTROL PANEL. COT A34  
OWNER'S METERING ENCLOSURE C/W  
DISPLAY AND CT'S. SHALL MONITOR ALL  
RECEPTACLE CIRCUITS OF ELECTRICAL  
PEDESTALS (15 SUCH). CAPACITY FOR  
MONITORING 20 CIRCUITS MINIMUM.  
MEASURE AMPERAGE, VOLTAGE, KW,  
KVA, KVAR, PF, HZ, KWH. INTELLIMETER  
OR APPROVED EQUAL.

LEGEND  
[TC] TIME CLOCK 120 VOLT, C/W 2 N.O. CONTACTS  
[PC] PHOTOCELL, 120 VOLT. MOUNT 300mm. BELOW  
EAVE OF NEW ELECTRICAL SHED.  
[AR] AUXILIARY RELAY C/W 2 N.O. CONTACTS  
[C1] 8 POLE CONTACTOR, 120 VOLT, 20 AMP.  
H-O-A HAND-OFF-AUTO SELECTOR SWITCH. MOUNT  
IN NEW ENCLOSURE DOOR.

EEMAC 12 ENCLOSURE C/W HINGED COVER  
AND LOCKING DOOR. PROVIDE LAMICOID LABEL  
TO READ "EXTERIOR LIGHTING". MOUNT  
NAMEPLATES OVER SWITCHES. MOUNT  
CONTROL PANEL 1400mm. ABOVE FINISHED  
FLOOR. IN ELECTRICAL SHED.



LIGHT FIXTURES 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. COORDINATE WITH DEPARTMENTAL  
REPRESENTATIVE.

LIQUID TIGHT FLEX TO FIXTURE.  
100 X 100 X 100mm RIGID  
PVC JUNCTION BOX C/W  
WEATHERPROOF COVERPLATE.  
NEOPRENE GASKET & MOUNTING STRAPS.  
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 TO BE 9.1 METERS  
IN LENGTH. 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.

27mm RIGID PVC CONDUIT  
C/W WIRING AS PER PANEL  
SCHEDULE.

TYPICAL LIGHT POLE AND  
FIXTURES (ELEVATION)

N.T.S.

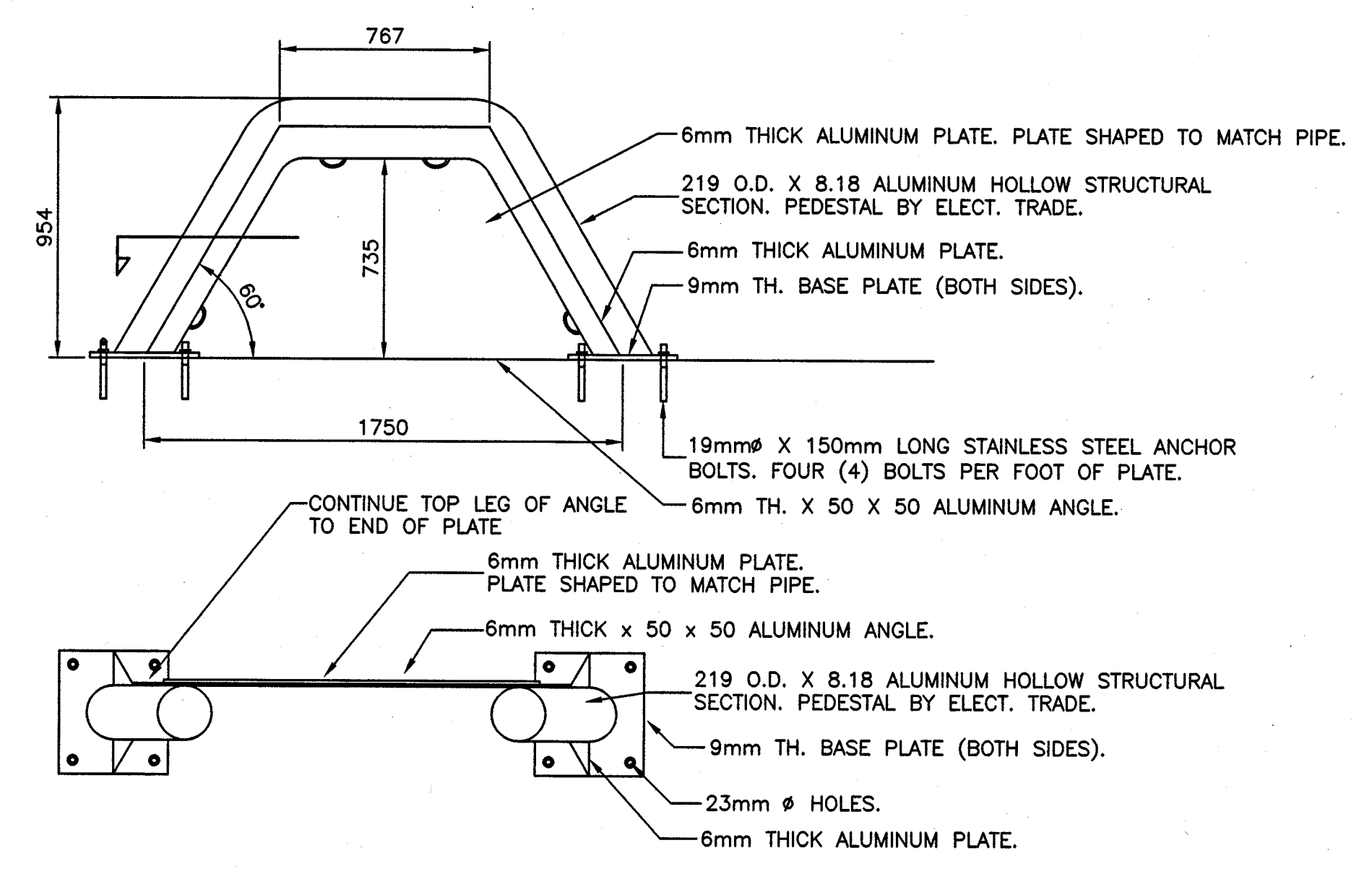
K  
E4

ELECTRICAL SHED LAYOUT

SCALE : 1:20  
0mm 500mm 1000mm 1500mm 2000mm 2500mm

EXTERIOR LIGHTING CONTROL PANEL

N.T.S.



TYPICAL SECTION "A-A" ELECTRICAL PEDESTAL

SCALE : 1:20  
0mm 500mm 1000mm 1500mm 2000mm 2500mm

PEDESTAL BACK, 6mm THICK ALUMINUM  
PLATE SHAPED TO MATCH PIPE FRAME.  
UTILIZE RIGID PVC CONDUIT C/W  
MARINE GRADE FITTINGS. SECURE  
TO PEDESTAL USING 2 HOLE  
STRAPS & S.S. SCREWS. TYPICAL.

13mm Ø ALUMINUM RING 78 mm DIAMETER.  
WELD TO HOLLOW ALUMINUM FRAME. FOUR  
TYPICAL AS INDICATED.

LAMACOID LABEL (MECHANICALLY ATTACHED)  
FOR EACH RECEPTACLE READING  
"RECEPTACLE #1, 120 VOLT, C.T. A15"  
C/W APPROPRIATE INFO. COORDINATE WITH  
OWNERS FOR EXACT WORDING.

30 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).

21mm CONNECTOR.

15 AMP, 120 VOLT 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.

LAMACOID NAMEPLATE (MECHANICALLY ATTACHED)  
TO READ AS FOLLOWS:  
DANGER WHEN OPERATING 120V, 15 AMP EQUIPMENT.  
APPROVED RECEPTACLES, CORDS, PLUGS AND 15 AMP  
OVERCURRENT DEVICES MUST BE USED.

50 AMP, 120/250 VOLT, 3 POLE, 4 WIRE MARINE GRADE  
TWISTLOCK SINGLE RECEPTACLE, MATCHING MARINE GRADE ANGLE  
BACKBOX, WEATHERPROOF COVER, MATCHING PLUG & YELLOW  
RUBBER BOOT (2 SUCH).

15 AMP, 120 VOLT MARINE GRADE STRAIGHT BLADE DUPLEX  
RECEPTACLE C/W YELLOW FIBERGLASS TYPE FD BOX,  
WEATHERPROOF COVER, MATCHING YELLOW PLUG & YELLOW  
RUBBER BOOT (1 SUCH).

250 x 250 x 150mm PVC JUNCTION BOX  
RATED NEMA 4X C/W WEATHERPROOF  
COVERPLATE, NEOPRENE GASKET, MOUNTING  
STRAPS & WEATHERPROOF FITTINGS. "SCREPTER"  
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 "O" RINGS. BOX TO BE  
C/W DIN RAIL MOUNTED TERMINAL BLOCKS  
EQUAL TO "PHOENIX" CONTACT UK16 SERIES.  
DO NOT SPLICE CONDUCTORS.

ELEVATION  
PEDESTAL BY ELECTRICAL  
TRADE.  
SUBMIT SHOP DRAWINGS  
PRIOR TO MANUFACTURE.

- NOTE:
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.

TYPICAL ELECTRICAL PEDESTAL

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0mm 500mm 1000mm 1500mm 2000mm 2500mm

A  
E4

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FOR EACH RECEPTACLE READING "RECEPTACLE  
#1, 120 VOLT, C.T. A15" C/W APPROPRIATE  
INFO. COORDINATE WITH OWNERS FOR EXACT  
WORDING. LAMACOID LABEL FOR RECEPTACLE  
#5 ONLY SHALL ALSO READ "240 VOLT  
WELDING RECEPTACLE".

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TYPICAL ELECTRICAL PEDESTAL

SCALE : 1:20  
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B  
E4

O	ISSUED FOR TENDER	19/06/13
B	ISSUED FOR REVIEW	13/06/13
A	ISSUED FOR REVIEW	03/06/13
revisions		date

project  
**HARBOUR DEVELOPMENT  
PHASE I**  
project  
**MARY'S HARBOUR,  
LABRADOR**

ELECTRICAL DETAILS

designed	D.H.	conçu
date	MAY 2013	
drawn	S.S.	dessiné
date	MAY 2013	
approved		approuvé
date		
Tender		Soumission
PWOSC Project Manager	Administrateur de projets TPSC	
project number		no. du projet
	<b>R.064896.001</b>	
drawing no.		no. du dessin
	<b>E4</b>	

CEL#: 13-1740