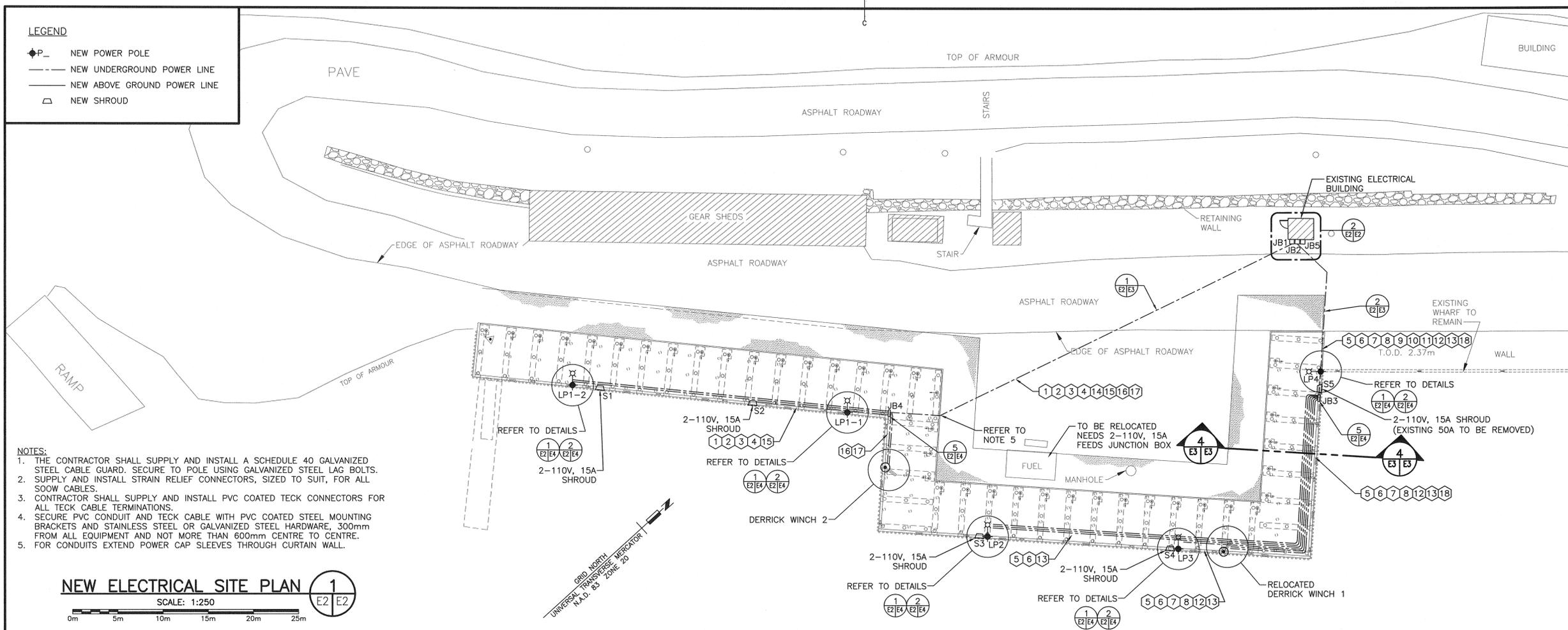


- LEGEND**
- ◆ P\_ NEW POWER POLE
  - NEW UNDERGROUND POWER LINE
  - NEW ABOVE GROUND POWER LINE
  - ▭ NEW SHROUD



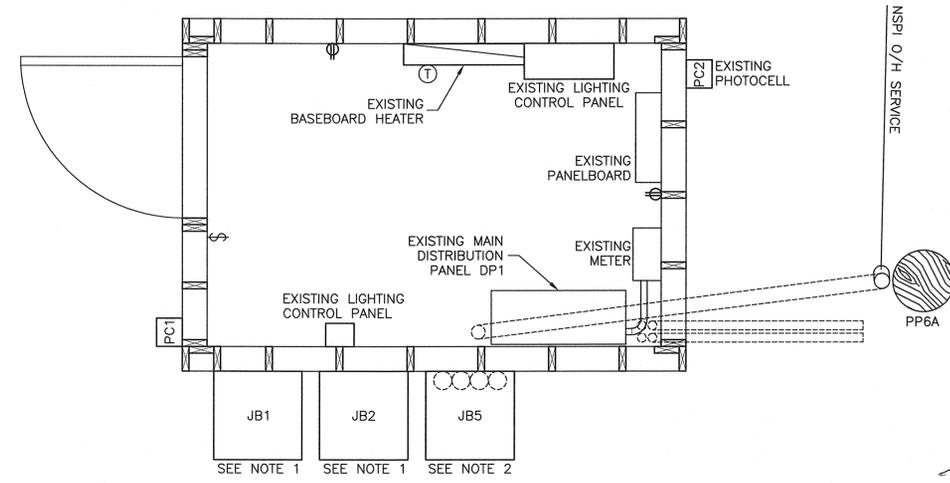
- NOTES:**
1. THE CONTRACTOR SHALL SUPPLY AND INSTALL A SCHEDULE 40 GALVANIZED STEEL CABLE GUARD. SECURE TO POLE USING GALVANIZED STEEL LAG BOLTS.
  2. SUPPLY AND INSTALL STRAIN RELIEF CONNECTORS, SIZED TO SUIT, FOR ALL SOOW CABLES.
  3. CONTRACTOR SHALL SUPPLY AND INSTALL PVC COATED TECK CONNECTORS FOR ALL TECK CABLE TERMINATIONS.
  4. 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.
  5. FOR CONDUITS EXTEND POWER CAP SLEEVES THROUGH CURTAIN WALL.

**NEW ELECTRICAL SITE PLAN** 1  
SCALE: 1:250  
0m 5m 10m 15m 20m 25m



CABLE #	LOADS	LOCATION	BREAKER RATING	VOLTAGE	RATED CURRENT	CIRCUIT	DISTANCE METER (FT)	VOLTAGE DROP	FEEDER SIZE
1	RECEPTACLE S1	WHARF	15 AMP	120V	12 AMPS	DP-5	90M (295.28')	3.13V - 2.61%	2#6, AWG RW75 Cu + 1#8 AWG RW75 Cu BOND, IN 78mm RIGID PVC CONDUIT, 2C#6 + 1#8 BOND, TECK CABLE.
2	RECEPTACLE S1	WHARF	15 AMP	120V	12 AMPS	DP-7	90M (295.28')	3.13V - 2.61%	2#6, AWG RW75 Cu + 1#8 AWG RW75 Cu BOND, IN 78mm RIGID PVC CONDUIT, 2C#6 + 1#8 BOND, TECK CABLE.
3	RECEPTACLE S2	WHARF	15 AMP	120V	12 AMPS	DP-9	50M (164.04')	2.72V - 2.27%	2#8, AWG RW75 Cu + 1#10 AWG RW75 Cu BOND, IN 78mm RIGID PVC CONDUIT, 2C#8 + 1#10 BOND, TECK CABLE.
4	RECEPTACLE S2	WHARF	15 AMP	120V	12 AMPS	DP-11	50M (164.04')	2.72V - 2.27%	2#8, AWG RW75 Cu + 1#10 AWG RW75 Cu BOND, IN 78mm RIGID PVC CONDUIT, 2C#8 + 1#10 BOND, TECK CABLE.
5	RECEPTACLE S3	WHARF	15 AMP	120V	12 AMPS	DP-13	65M (213.25')	3.53V - 2.94%	2#8, AWG RW75 Cu + 1#10 AWG RW75 Cu BOND, IN 78mm RIGID PVC CONDUIT, 2C#8 + 1#10 BOND, TECK CABLE.
6	RECEPTACLE S3	WHARF	15 AMP	120V	12 AMPS	DP-15	65M (213.25')	3.53V - 2.94%	2#8, AWG RW75 Cu + 1#10 AWG RW75 Cu BOND, IN 78mm RIGID PVC CONDUIT, 2C#8 + 1#10 BOND, TECK CABLE.
7	RECEPTACLE S4	WHARF	15 AMP	120V	12 AMPS	DP-17	45M (147.64')	2.49V - 2.07%	2#8, AWG RW75 Cu + 1#10 AWG RW75 Cu BOND, IN 78mm RIGID PVC CONDUIT, 2C#8 + 1#10 BOND, TECK CABLE.
8	RECEPTACLE S4	WHARF	15 AMP	120V	12 AMPS	DP-19	45M (147.64')	2.49V - 2.07%	2#8, AWG RW75 Cu + 1#10 AWG RW75 Cu BOND, IN 78mm RIGID PVC CONDUIT, 2C#8 + 1#10 BOND, TECK CABLE.
9	RECEPTACLE S5	WHARF	15 AMP	120V	12 AMPS	DP-21	25M (82.02')	2.52V - 2.19%	2#10, AWG RW75 Cu + 1#12 AWG RW75 Cu BOND, IN 78mm RIGID PVC CONDUIT, 2C#10 + 1#12 BOND, TECK CABLE.
10	RECEPTACLE S5	WHARF	15 AMP	120V	12 AMPS	DP-23	25M (82.02')	2.52V - 2.19%	2#10, AWG RW75 Cu + 1#12 AWG RW75 Cu BOND, IN 78mm RIGID PVC CONDUIT, 2C#10 + 1#12 BOND, TECK CABLE.
11	AREA LIGHTING	SERVICE AREA - POLES LP4	15 AMP	120V	1.2 AMPS	DP-25	25M (82.02')	1.32V - 1.10%	2#10, AWG RW75 Cu + 1#12 AWG RW75 Cu BOND, IN 78mm RIGID PVC CONDUIT, 2C#10 + 1#12 BOND, TECK CABLE.
12	AREA LIGHTING	SERVICE AREA - POLES LP3	15 AMP	120V	1.2 AMPS	DP-25	45M (147.64')	1.00V - 0.69%	2#10, AWG RW75 Cu + 1#12 AWG RW75 Cu BOND, IN 78mm RIGID PVC CONDUIT, 2C#10 + 1#12 BOND, TECK CABLE.
13	AREA LIGHTING	SERVICE AREA - POLES LP2	15 AMP	120V	1.2 AMPS	DP-25	70M (229.66')	1.23V - 1.03%	2#10, AWG RW75 Cu + 1#12 AWG RW75 Cu BOND, IN 78mm RIGID PVC CONDUIT, 2C#10 + 1#12 BOND, TECK CABLE.
14	AREA LIGHTING	SERVICE AREA - POLES LP1-1	15 AMP	120V	1.2 AMPS	DP-25	55M (180.45')	0.89V - 0.50%	2#10, AWG RW75 Cu + 1#12 AWG RW75 Cu BOND, IN 78mm RIGID PVC CONDUIT, 2C#10 + 1#12 BOND, TECK CABLE.
15	AREA LIGHTING	SERVICE AREA - POLES LP1-2	15 AMP	120V	1.2 AMPS	DP-25	95M (311.68')	1.67V - 1.39%	2#10, AWG RW75 Cu + 1#12 AWG RW75 Cu BOND, IN 78mm RIGID PVC CONDUIT, 2C#10 + 1#12 BOND, TECK CABLE.
16	WINCH 2 - RECEPTACLE	WHARF	15 AMP	120V	12 AMPS	DP-30	50M (164.04')	3.55V - 2.96%	2#6, AWG RW75 Cu + 1#8 AWG RW75 Cu BOND, IN 78mm RIGID PVC CONDUIT, 2C#6 + 1#8 BOND, TECK CABLE.
17	WINCH 2 - MOTOR	WHARF	40 AMP	240V	32 AMPS	DP-2,4	50M (164.04')	2.84V - 2.37%	2#4, AWG RW75 Cu + 1#6 AWG RW75 Cu BOND, IN 78mm RIGID PVC CONDUIT, 2C#4 + 1#6 BOND, TECK CABLE.
18	WINCH 1 - MOTOR	WHARF	40 AMP	240V	32 AMPS	DP-27, 29	40M (131.23')	3.18V - 2.65%	2#6, AWG RW75 Cu + 1#8 AWG RW75 Cu BOND, IN 78mm RIGID PVC CONDUIT, 2C#6 + 1#8 BOND, TECK CABLE.

- NOTES:**
1. PROVIDE TWO (2) JUNCTION BOX JB3 & JB4 (NEMA4X, 316SS, 750mmX750mmX200mm) FOR ENTRY TO ALL CONDUITS SERVICING POLES LP1-1, LP1-2, LP2, LP3, LP4, WINCH 1 AND WINCH 2.
    - 3-78mmC FOR POLES LP1-1, LP1-2 AND WINCH 2
    - 3-78mmC FOR POLES LP2, LP3, LP4 AND WINCH 1
    - 1 (ONE) SPARE 78mmC.
  2. PROVIDE JUNCTION BOX (NEMA4X, 316SS, 750mmX750mmX200mm) FOR THREE (3) SPARE 103mmØC CONDUITS FOR FUTURE USE. STUB AND CAP THE CONDUITS UNDERGROUND 1.5 METERS OUT FROM BUILDING. PROVIDE PULL WIRE FOR FUTURE USE.



**ELECTRICAL BUILDING LAYOUT** 2  
SCALE: 1:20  
0mm 500mm 1000mm 1500mm 2000mm 2500mm

0	ISSUED FOR TENDER	JUN 23 2017
revisions		date
project		project
<b>WHARF RECONSTRUCTION</b>		
<b>MARGAREE HARBOUR INVERNESS COUNTY NOVA SCOTIA</b>		
drawing		design
<b>NEW ELECTRICAL SITE PLAN AND ELECTRICAL BUILDING LAYOUT</b>		
designed	M.NAIDU	conçu
date	JUN. 2017	
drawn	M.KAMPHUIS	dessiné
date	JUN. 2017	
approved	M.NAIDU	approuvé
date	JUN. 2017	
Tender		Submission
PWOSC - Project Manager	Administrateur de projets TPSCG	
project number		no. du projet
	<b>R.082860.001</b>	
drawing no.		no. du dessin
	<b>E2 of 6</b>	