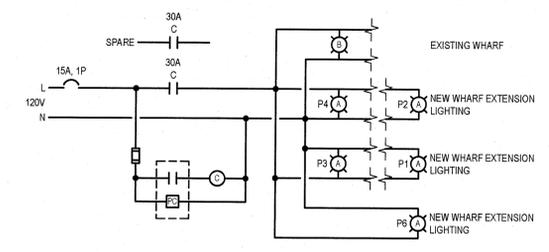


CONDUIT AND CABLE SCHEDULE						
ITEM	FUNCTION	CABLE	FROM	TO	CONDUIT *	INSTALLATION
1	SERVICE CENTER ENTRANCE	3#30 RW90	SERVICE POLE	METER	53mm RIGID PVC/CRSC	UG IN CONCRETE
1A	SERVICE GROUND	#8	METER	GROUND RODS	16mm PVC/CRSC	UG IN CONCRETE
2	SERVICE CENTRE 200A FUSED DISCONNECT	3#30 + 1#6 B	METER	200A FUSED DISCONNECT	53mm RIGID CRSC	AT SERVICE CENTER
3	PANEL A FEEDER	3#30 + 1#6 B	200A FUSED DISCONNECT	PANEL A	53mm RIGID CRSC	AT SERVICE CENTER
4	PHOTO-ELECTRIC CONTROLLER	2#10 + 1#12 BOND	PANEL 'A' CCT. #1	LIGHTING CONTACTOR	21mm CRSC	AT SERVICE CENTER
5	SERVICE CENTRE RECEPTACLE	2#12 + 1#12 BOND	PANEL 'A' CCT. #3	SERVICE CENTRE RECEPTACLE	21mm CRSC	AT SERVICE CENTER
6	PANEL B FEEDER	3C#1 TECK	PANEL A	PANEL B	N/A	IN TRENCH AND CONCRETE DECK
6A	PANEL B FEEDER (FOR FUTURE FEEDER)	N/A	PANEL B	EDGE OF CONCRETE DECK	35mm	CONCRETE ENCASED IN DECK
7	EXISTING WHARF LIGHT	2C#10 TECK	LIGHTING CONTACTOR JUNCTION BOX	LIGHT ON EXISTING WOOD POLE	N/A	IN TRENCH
8	WHARF EXTENSION LIGHTING	2C#10 TECK	LIGHTING CONTACTOR JUNCTION BOX	WHARF EXTENSION PULL BOX	N/A	IN TRENCH AND CONCRETE DECK
8A	WHARF EXTENSION LIGHTING (FOR FUTURE FEEDER)	N/A	WHARF EXTENSION PULL BOX	EDGE OF CONCRETE DECK	21mm RIGID CRSC/PVC	CONCRETE ENCASED IN DECK
9	NOT USED					
10	SERVICE MODULE #1 RECEPTACLES	3C #6 TECK	PANEL A CCT 5,7	SERVICE MODULE #1 RECEPTACLES	N/A	IN TRENCH
11	SERVICE MODULE #2 RECEPTACLES	3C #10 TECK	PANEL A CCT 9,11	SERVICE MODULE #2 RECEPTACLES	N/A	IN TRENCH
12	SERVICE MODULE #2 RECEPTACLES	3C #10 TECK	PANEL A CCT 13,15	SERVICE MODULE #2 RECEPTACLES	N/A	IN TRENCH
13	SERVICE MODULE #3 RECEPTACLES	3C #6 TECK	PANEL A CCT 17,19	SERVICE MODULE #3 RECEPTACLES	N/A	IN TRENCH
14	SERVICE MODULE #3 WELDER OUTLET	2C #6 TECK	PANEL A CCT 25,27	SERVICE MODULE #3 WELDER OUTLET	N/A	IN TRENCH
15	SERVICE MODULE #3 RECEPTACLES	3C #6 TECK	PANEL A CCT 21,23	SERVICE MODULE #3 RECEPTACLES	N/A	IN TRENCH
16	SERVICE MODULE #4 RECEPTACLES	3C #6 TECK	PANEL A CCT 2,4	SERVICE MODULE #4 RECEPTACLES	N/A	IN TRENCH
17	NOT USED					
18	NOT USED					
19	POLE #1 RECEPTACLES	3#6 + 1#10 B	PANEL B CCT 1,3	POLE #1 RECEPTACLES	21mm RIGID CRSC/PVC	CONCRETE ENCASED IN DECK
20	POLE #2 RECEPTACLES	3#6 + 1#10 B	PANEL B CCT 2,4	POLE #2 RECEPTACLES	21mm RIGID CRSC/PVC	CONCRETE ENCASED IN DECK
21	POLE #3 WELDER OUTLET	2#6 + 1#8 B	PANEL B CCT 13,15	POLE #3 WELDER OUTLET	27mm RIGID CRSC/PVC	CONCRETE ENCASED IN DECK
22	POLE #4 RECEPTACLES	3#10 + 1#12 B	PANEL B CCT 6,8	POLE #4 RECEPTACLES	21mm RIGID CRSC/PVC	CONCRETE ENCASED IN DECK
23	POLE #4 RECEPTACLES	3#10 + 1#12 B	PANEL B CCT 10,12	POLE #4 RECEPTACLES	21mm RIGID CRSC/PVC	CONCRETE ENCASED IN DECK
24	POLE #5 RECEPTACLES	3#10 + 1#12 B	PANEL B CCT 5,7	POLE #5 RECEPTACLES	21mm RIGID CRSC/PVC	CONCRETE ENCASED IN DECK
25	POLE #6 RECEPTACLES	3#10 + 1#12 B	PANEL B CCT 9,11	POLE #6 RECEPTACLES	21mm RIGID CRSC/PVC	CONCRETE ENCASED IN DECK
26	POLE #3 LIGHTING CCT. A-1	2#10 + 1#12 BOND	WHARF EXTENSION PULL BOX	POLE #3 LIGHTING	21mm RIGID PVC	EMBEDDED IN CONCRETE DECK
27	POLE #1 LIGHTING CCT. A-1	2#10 + 1#12 BOND	POLE #3	POLE #1 LIGHTING	21mm RIGID PVC	EMBEDDED IN CONCRETE DECK
28	POLE #4 LIGHTING CCT. A-1	2#10 + 1#12 BOND	WHARF EXTENSION PULL BOX	POLE #4 LIGHTING	21mm RIGID PVC/CRSC	EMBEDDED IN CONCRETE DECK
29	POLE #2 LIGHTING CCT. A-1	2#10 + 1#12 BOND	POLE #4	POLE #2 LIGHTING	21mm RIGID PVC	EMBEDDED IN CONCRETE DECK
30	POLE #6 LIGHTING CCT. A-1	2#10 + 1#12 BOND	WHARF EXTENSION PULL BOX	POLE #6 LIGHTING	21mm RIGID PVC/CRSC	EMBEDDED IN CONCRETE DECK
31	NOT USED					
32	NOT USED					

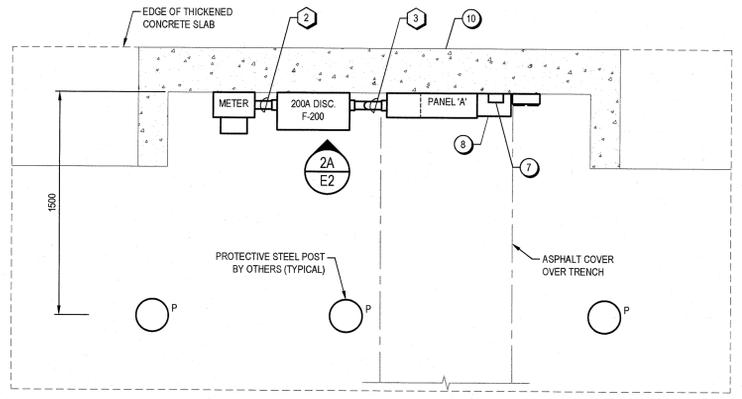
\* USE CRSC FOR ALL SURFACE AND EXPOSED CONDUIT. CONVERT TO RIGID PVC WITHIN THE CONCRETE DECK.

POWER SUPPLY: 120/240V, 1ø, 3w		PANEL: 'A'		MOUNTING: SURFACE				
MAINS: 225A				LOCATION: METER CENTER				
NUMBER OF CCTS: 30				REMARKS: CSA 4X STAINLESS STEEL ENCLOSURE				
DESCRIPTION	WATTAGE	#	BKR	CIRCUIT	BKR	#	WATTAGE	DESCRIPTION
WHARF LIGHTING	480	1	15	1 a 2	15	1	1920	SERVICE MODULE 4 RECEPTACLE 1
SERVICE CENTRE RECEPTACLE	120	1	15	3 b 4	20	1	1920	SERVICE MODULE 4 RECEPTACLE 2
SERVICE MODULE 1 RECEPTACLE #1	1920	1	20	5 a 6	20	1		SPARE
SERVICE MODULE 1 RECEPTACLE #2	1920	1	20	7 b 8	20	1		SPARE
SERVICE MODULE 2 RECEPTACLE #1	1920	1	20	9 a 10	20	1		SPARE
SERVICE MODULE 2 RECEPTACLE #2	1920	1	20	11 b 12	20	1		SPARE
SERVICE MODULE 2 RECEPTACLE #3	1920	1	20	13 a 14				
SERVICE MODULE 2 RECEPTACLE #4	1920	1	20	15 b 16				
SERVICE MODULE 3 RECEPTACLE #1	1920	1	20	17 a 18				
SERVICE MODULE 3 RECEPTACLE #2	1920	1	20	19 b 20				
SERVICE MODULE 3 RECEPTACLE #3	1920	1	20	21 a 22				
SERVICE MODULE 3 RECEPTACLE #4	1920	1	20	23 b 24				
SERVICE MODULE 3 WELDER OUTLET	3480	2	50	25 a 26	100	2	15360	PANEL B FEEDER
		1	20	29 a 30			15360	
PHASE LOADS:	13560	13200					17280	17280
TOTAL LOAD:	61320							
TOTAL PHASE LOADS	30840	30480						
CURRENT (A) @ 240V:		256						

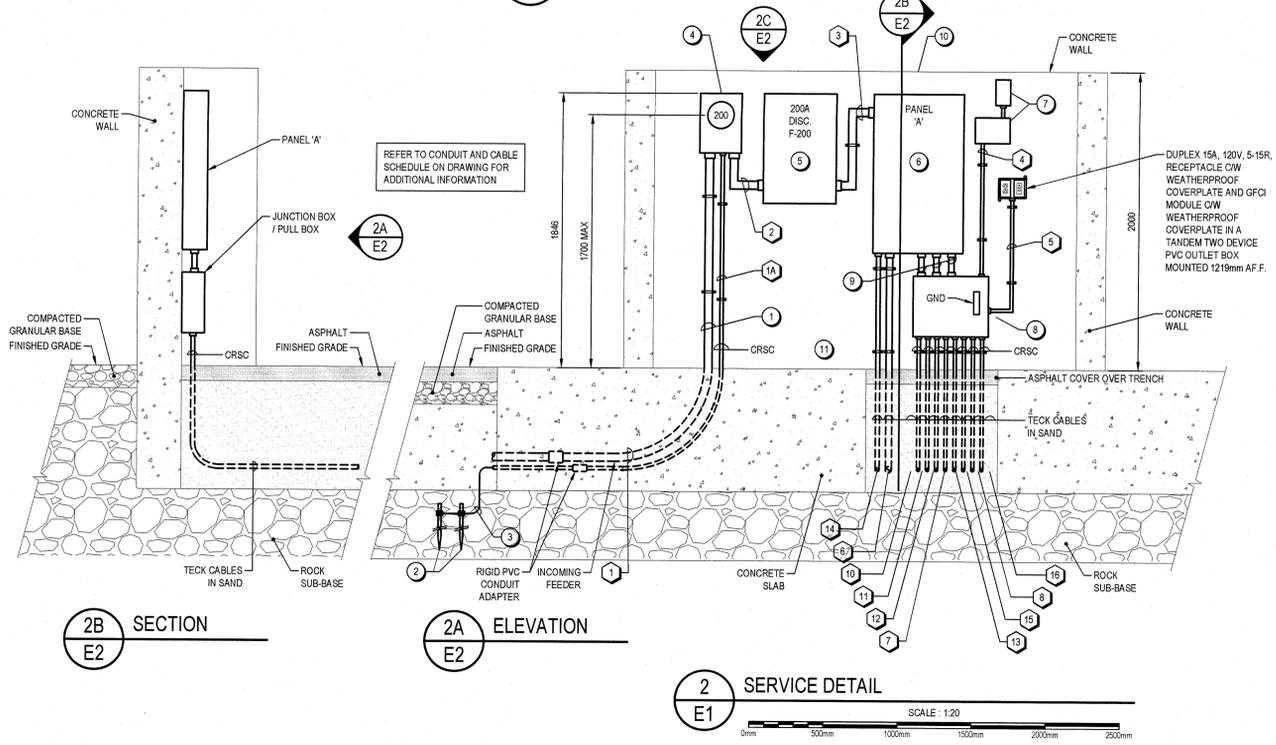
POWER SUPPLY: 120/240V, 1ø, 3w		PANEL: 'B'		MOUNTING: SURFACE				
MAIN: 225A				LOCATION: WHARF EXTENSION				
NUMBER OF CCTS: 30				REMARKS: CSA 4X STAINLESS STEEL ENCLOSURE				
DESCRIPTION	WATTAGE	#	BKR	CIRCUIT	BKR	#	WATTAGE	DESCRIPTION
POLE #1 RECEPTACLE	1920	1	15	1 a 2	20	1	1920	POLE #2 RECEPTACLE
POLE #1 RECEPTACLE	1920	1	15	3 b 4	20	1	1920	POLE #2 RECEPTACLE
POLE #5 RECEPTACLE	1920	1	20	5 a 6	20	1	1920	POLE #4 RECEPTACLE
POLE #5 RECEPTACLE	1920	1	20	7 b 8	20	1	1920	POLE #4 RECEPTACLE
POLE #6 RECEPTACLE	1920	1	20	9 a 10	20	1	1920	POLE #4 RECEPTACLE
POLE #6 RECEPTACLE	1920	1	20	11 b 12	20	1	1920	POLE #4 RECEPTACLE
POLE #3 WELDER OUTLET	3840	2	50	13 a 14	20	1		SPARE
		1	15	15 b 16	20	1		SPARE
				17 a 18				
				19 b 20				
				21 a 22				
				23 b 24				
				25 a 26				
				27 b 28				
				29 a 30				
PHASE LOADS:	9600	9600					5760	5760
TOTAL LOAD:	30720							
TOTAL PHASE LOADS	15360	15360						
CURRENT (A) @ 240V:		128						



LIGHTING CONTROL SCHEMATIC  
SCALE: N.T.S.



2C PLAN VIEW  
E2



2B SECTION  
E2

2A ELEVATION  
E2

2 SERVICE DETAIL  
E1

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

- NOTES
- SERVICE FEEDER 3#30 RW90 IN 53mm CRSC CONDUIT. PROVIDE HUB ADAPTOR AT METER.
  - 19mmØ x 3m COPPERWELD GROUND RODS, DRIVEN 3m APART TO BE INSTALLED 300mm BELOW GRADE, THERMOWELD CONNECTIONS.
  - SERVICE GROUND: #8 COPPER TO GROUND RODS.
  - 200A, 250V, 4 JAW METER SOCKET.
  - 250V, 2 POLE FUSED DISCONNECT SWITCH SUITABLE FOR SERVICE ENTRANCE USE SIZED AS INDICATED IN STAINLESS STEEL CSA 4X ENCLOSURE.
  - PANEL 'A' - 30 OCT. IN STAINLESS STEEL 4X ENCLOSURE, 1066mmH x 609mmW x 165mmD.
  - LIGHTING CONTACTOR AND PHOTO-ELECTRIC CONTROLLER.
  - 406mmH x 508mmW x 152mmD CSA 4X 316 STAINLESS STEEL JUNCTION BOX / PULL BOX CW BACKPLANE. SUPPLY AND INSTALL REDUCING TERMINAL BLOCKS AND GROUND BAR.
  - INSTALL 35mm CONDUIT SLEEVES BETWEEN JUNCTION BOX AND PANEL 'A' AS REQUIRED.
  - SERVICE CENTRE CONCRETE WALL. PROVIDE STAINLESS STEEL ANCHORING AND MOUNTING HARDWARE FOR ALL COMPONENTS AS REQUIRED. CONVERT FROM RIGID PVC TO CRSC CONDUIT FOR ALL SURFACE WORK. CRSC CONDUIT TO EXTEND MINIMUM OF 1m IN CONCRETE DECK AND UNDERGROUND.



0	ISSUED FOR TENDER	FEB 04 2016
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project **EXTENSION OF EXISTING WHARF** project  
**ALMA WHARF**  
ALBERT COUNTY, NB

drawing **SERVICE DETAIL AND SCHEDULES** dessin

designed	EFS	conçu
date	FEBRUARY 2016	
drawn	RMB	dessiné
date	FEBRUARY 2016	
approved	BET	approuvé
date	FEBRUARY 2016	
tender		Submission
PWSSC Project Manager	Administrateur de projets TPSGC	
project number		no. du projet
	<b>R.075081.001</b>	
drawing no.		no. du dessin
	<b>E2 of 5</b>	

15/07/02 (1641) 1516-Ck.dwg