POWER SUPPLY: 120/208V,3ø,4w
MAINS: 225A
NUMBER OF CCTS: 42

PANEL: 'A'

MOUNTING: SURFACE
LOCATION: ELECTRICAL BUILDING
REMARKS:

DESCRIPTION	WATTAGE A	WATTAGE B	WATTAGE C	# P	BKR AMP	CIRCUIT			BKR AMP	# P	WATTAGE A	WATTAGE B	WATTAGE C	DESCRIPTION
GENERATOR PANEL				3	60	1	a	2						
						3	b	4						
						5	c	6						
						7	a	8						
						9	b	10						
						11	c	12						
CONTROLS FOR SITE LIGHTING				1	15	13	a	14	15	1				SPARE
SPARE				1	15	15	b	16	15	1				SPARE
SPARE				1	15	17	c	18	15	1				SPARE
SPARE				1	15	19	a	20	15	1				SPARE
SPARE				1	15	21	b	22	15	1				SPARE
SPARE				1	15	23	c	24	15	1				SPARE
SPARE				1	15	25	a	26	15	1				SPARE
SPARE				1	15	27	b	28	15	1				SPARE
SPARE				1	15	29	c	30	15	1				SPARE
SPARE				1	15	31	a	32	15	1				SPARE
SPARE				1	15	33	b	34	15	1				SPARE
SPARE				1	15	35	c	36	15	1				SPARE
SPARE				1	15	37	a	38	15	1				SPARE
SPARE				1	15	39	b	40	15	1				SPARE
SPARE				1	15	41	c	42	15	1				SPARE
PHASE LOADS:														
TOTAL LOAD:														
TOTAL PHASE LOADS														
CURRENT (A) @ 208V:														

POWER SUPPLY: 347/600V,3ø,4w, 25kAIC
MAINS: 600A
NUMBER OF CCTS: 42

PANEL: 'DP'

MOUNTING: SURFACE
LOCATION: ELECTRICAL BUILDING
REMARKS:

DESCRIPTION	WATTAGE A	WATTAGE B	WATTAGE C	# P	BKR AMP	CIRCUIT			BKR AMP	# P	WATTAGE A	WATTAGE B	WATTAGE C	DESCRIPTION
MAINTENANCE SHOP				3	20	1	a	2	80	2				OFFICE BUILDING
						3	b	4						
						5	c	6	50	2				SECURITY/ TOLL BOOTH
TERMINAL BUILDING				3	400	7	a	8						
						9	b	10	70	2				STORES
						11	c	12						
SERVICE BUILDING (480V XFMR)				3	400	13	a	14	100	3				SPARE
						15	b	16						
						17	c	18						
SPARE				3	100	19	a	20	200	3				SPARE
						21	b	22						
						23	c	24						
						25	a	26	100	2				SPARE
						27	b	28						
						29	c	30						
						31	a	32						
SITE LIGHTNG (POLE 1)				1	20	33	b	34	20	1				SITE LIGHTING (POLE 3 & 4)
SITE LIGHTING (POLE 1)				1	20	35	c	36	20	1				SPARE
SITE LIGHTING (POLE 2)				1	20	37	a	38	15	1				SPARE
SITE LIGHTING (POLE 2)				1	20	39	b	40	15	1				SPARE
SPARE				1	15	41	c	42	15	1				SPARE
PHASE LOADS:														
TOTAL LOAD:														
TOTAL PHASE LOADS														
CURRENT (A) @ 600V:														

POWER SUPPLY: 120/240V,1ø,3w
MAINS:225A
NUMBER OF CCTS: 18

PANEL: 'SECURITY'

MOUNTING: SURFACE
LOCATION: SECURITY BUILDING
REMARKS:

DESCRIPTION	WATTAGE A	WATTAGE B	# P	BKR AMP	CIRCUIT			BKR AMP	# P	WATTAGE A	WATTAGE B	DESCRIPTION
UNKNOWN (CCT-1,3)			2	15	1	a	2	15	1			UNKNOWN (CCT-2)
					3	b	4	15	1			UNKNOWN (CCT-4)
TOLL BOOTH			2	60	5	a	6	15	1			UNKNOWN (CCT-6)
					7	b	8	15	1			SPARE
					9	a	10	15	1			SPARE
					11	b	12	15	1			SPARE
					13	a	14					
					15	b	16					
					17	a	18					
PHASE LOADS:												
TOTAL LOAD:												
TOTAL PHASE LOADS												
CURRENT (A) @ 240V:												

CCT-2 - INDICATES CIRCUIT 2 IN ORIGINAL SECURITY BUILDING PANEL

POWER SUPPLY: 120/240V,1ø,3w
MAINS: 225A
NUMBER OF CCTS: 30

PANEL: 'TOLL BOOTH'

MOUNTING: SURFACE
LOCATION: TOLL BOOTH
REMARKS:

DESCRIPTION	WATTAGE A	WATTAGE B	# P	BKR AMP	CIRCUIT			BKR AMP	# P	WATTAGE A	WATTAGE B	DESCRIPTION
UNKNOWN (CCT-1)			1	15	1	a	2	15	1			UNKNOWN (CCT-2)
UNKNOWN (CCT-3)			1	15	3	b	4	15	1			UNKNOWN (CCT-4)
UNKNOWN (CCT-5)			1	15	5	a	6	15	1			UNKNOWN (CCT-6)
UNKNOWN (CCT-7)			1	15	7	b	8	15	1			UNKNOWN (CCT-8)
UNKNOWN (CCT-9)			1	15	9	a	10	15	1			UNKNOWN (CCT-10)
UNKNOWN (CCT-11)			1	15	11	b	12	15	1			UNKNOWN (CCT-12)
UNKNOWN (CCT-13)			1	15	13	a	14	15	1			UNKNOWN (CCT-14)
FORCED AIR HEATER TOLL BOOTH #1		1000	2	15	15	b	16	15	2		1000	FORCED AIR HEATER TOLL BOOTH #2
	1000				17	a	18			1000		
SPARE			1	15	19	b	20	15	1			SPARE
SPARE			1	15	21	a	22	15	1			SPARE
SPARE			1	15	23	b	24	15	1			SPARE
SPARE			1	15	25	a	26	15	1			SPARE
					27	b	28					
					29	a	30					
PHASE LOADS:	1000	1000								1000	1000	
TOTAL LOAD:	4000											
TOTAL PHASE LOADS	2000	2000										
CURRENT (A) @ 240V:	17											

CCT-2 - INDICATES CIRCUIT 2 IN ORIGINAL TOLL BOOTH PANEL

POWER SUPPLY: 120/208V,3ø,4w
MAINS: 225A
NUMBER OF CCTS: 60

PANEL: 'TB - 208V'

MOUNTING: SURFACE
LOCATION: TERMINAL BUILDING
REMARKS: SPRINKLERPROOF

DESCRIPTION	WATTAGE A	WATTAGE B	WATTAGE C	# P	BKR AMP	CIRCUIT			BKR AMP	# P	WATTAGE A	WATTAGE B	WATTAGE C	DESCRIPTION
COMMANDER PANEL				3	60	1	a	2	60	3				SPARE
						3	b	4						
						5	c	6						
LIGHTING PANEL A				3	60	7	a	8	60	3				SPARE
						9	b	10						
						11	c	12						
UNKNOWN (EMERG-1)				1	15	13	a	14	15	1				FURNACE (EMERG-2)
OFFICE (EMERG-3)				1	15	15	b	16	15	1				LIGHTS (EMERG-4)
UNKNOWN (EMERG-5)				1	15	17	c	18	15	1				UNKNOWN (EMERG-6)
OFFICE LIGHTS (EMERG-7)				1	15	19	a	20	15	1				PASSENGER WALKWAY (EMERG-8)
UNKNOWN (EMERG-9)				1	15	21	b	22	15	1				PASSENGER WALKWAY (EMERG-10)
UNKNOWN (EMERG-11)				1	15	23	c	24	15	1				UNKNOWN (EMERG-12)
UNKNOWN (EMERG-13)				1	15	25	a	26	15	1				UNKNOWN (EMERG-14)
UNKNOWN (EMERG-15)				1	15	27	b	28	15	1				UNKNOWN (EMERG-16)
UNKNOWN (EMERG-17)				1	15	29	c	30	15	1				UNKNOWN (EMERG-18)
UNKNOWN (EMERG-19)				1	15	31	a	32	50	2	4000			RANGE STAFF RM
RECEPTACLE ELEC RM				1	15	33	b	34				4000		
RECEPT STAFF W/R			120	1	15	35	c	36	15	1			500	FRIDGE STAFF RM
RECEPT ELEC RM	120			1	15	37	a	38	20	1	240			COUNTER RECEPTS STAFF RM
CONTROLS FOR ACCESS ROADWAY LTG				1	15	39	b	40	20	1		120		COUNTER RECEPTS STAFF RM
CONTROLS FOR TRANSFER BRIDGE LTG				1	15	41	c	42	20	1			1000	MICROWAVE STAFF RM
						43	a	44	15	1	240			RECEPTS STAFF RM
						45	b	46	15	1				SPARE
						47	c	48	15	1				SPARE
						49	a	50	15	1				SPARE
						51	b	52	15	1				SPARE
						53	c	54	15	1				SPARE
						55	a	56	15	1				SPARE
						57	b	58	15	1				SPARE
						59	c	60	15	1				SPARE
PHASE LOADS:	120		120								4480	4120	1500	
TOTAL LOAD:	10340													
TOTAL PHASE LOADS	4600	4120	1620											
CURRENT (A) @ 208V:	29													

(EMERG-1) - INDICATES CIRCUIT 1 FROM EXISTING EMERGENCY PANEL
(•) - LOCKING BREAKER

POWER SUPPLY: 347/600V,3ø,4w
MAINS: 400A
NUMBER OF CCTS: 42

PANEL: 'TB - 600V'

MOUNTING: SURFACE
LOCATION: TERMINAL BUILDING
REMARKS: SPRINKLERPROOF

DESCRIPTION	WATTAGE A	WATTAGE B	WATTAGE C	# P	BKR AMP	CIRCUIT			BKR AMP	# P	WATTAGE A	WATTAGE B	WATTAGE C	DESCRIPTION
45kVA TRANSFORMER				3	60	1	a	2	60	3				SPARE
						3	b	4						
						5	c	6						
SPARE				3	300	7	a	8	60	3				SPARE
						9	b	10						
						11	c	12						
SPARE				3	100	13	a	14	60	3				SPARE
						15	b	16						
						17	c	18						
SPARE				3	100	19	a	20	60	3				SPARE
						21	b	22						
						23	c	24						
						25	a	26	15	1				SPARE
						27	b	28	15	1				SPARE
						29	c	30	15	1				SPARE
TRANSFER BRIDGE LIGHTING				1	20	31	a	32	15	1				SPARE
TRANSFER BRIDGE LIGHTING				1	20	33	b	34	20	1				ACCESS ROADWAY LIGHTING
TOWER DOLPHIN 1 LIGHTING				1	20	35	c	36	20	1				ACCESS ROADWAY LIGHTING
TOWER DOLPHIN 2 LIGHTING				1	20	37	a	38	15	1				SPARE
SPARE				1	15	39	b	40	15	1				SPARE
SPARE				1	15	41	c	42	15	1				SPARE
PHASE LOADS:														
TOTAL LOAD:														
TOTAL PHASE LOADS														
CURRENT (A) @ 600V:														

LIGHTING RELAY PANEL 'RP1'

MOUNTING: SURFACE
LOCATION: ELECTRICAL BUILDING

347/600V

RELAY	CIRCUIT	LOAD CONTROLLED
1	DP-33	SITE LIGHTING POLE 1
2	DP-35	SITE LIGHTING POLE 1
3	DP-37	SITE LIGHTING POLE 2
4	DP-39	SITE LIGHTING POLE 2
5	DP-34	SITE LIGHTING POLE 3 & 4
6		SPARE
7		SPARE
8		SPARE

CONNECT TO NEW PHOTOCELL. PROGRAM RELAYS TO OWNER'S REQUIREMENTS

LIGHTING RELAY PANEL 'RP2'

MOUNTING: SURFACE
LOCATION: TERMINAL BUILDING

347/600V

RELAY	CIRCUIT	LOAD CONTROLLED
1	TB-600-31	TRANSFER BRIDGE LIGHTS
2	TB-600-33	TRANSFER BRIDGE LIGHTS
3	TB-600-35	TOWER DOLPHIN #1 LIGHTS
4	TB-600-37	TOWER DOLPHIN #2 LIGHTS
5	TB-600-34	ACCESS ROADWAY LIGHTS
6	TB-600-36	ACCESS ROADWAY LIGHTS
7		SPARE
8		SPARE

NOTE: CONNECT TO NEW PHOTOCELL. CONNECT TO NEW ON/OFF SWITCH IN TRANSFER BRIDGE OPERATOR'S CUBICLE. PROGRAM RELAYS TO OWNER'S REQUIREMENTS.

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revisions		date
0	ISSUED FOR TENDER	01/09/2019

project / projet
ELECTRICAL SITE UPGRADES
SAINT JOHN FERRY TERMINAL
SAINT JOHN, NB

drawing / dessin
PANEL SCHEDULES

designed / conçu: BMT
date: JANUARY 2019
drawn / dessiné: JLT/DJL
date: JANUARY 2019
approved / approuvé: BET
date: JANUARY 2019
Tender / Soumission
PWGSC Project Manager / Administrateur de projets TPSGC
project number / no. du projet: R.090754.001
drawing no. / no. du dessin: E12