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PANEL IDENTIFICATION : <u>LP-B</u>										LOCATION : <u>TO BE DETERMINED BY CONTRACTOR</u>									
120/208 V , 3 Ø , 4 W ,										400 A MAIN BUS _____ A MAIN BREAKER									
DESCRIPTION	LOAD			BKR	CCT	SN				BKR	CCT	LOAD				DESCRIPTION			
	A	B	C	AMP	No	A	B	C		AMP	No	A	B	C					
PORTAL MONITOR CONTROLLER1 FOR SCALE #1 IN SCALE HOUSE	6				15	1				2	20	12.5				UPS #1 IN SCALE HOUSE			
PORTAL MONITOR CONTROLLER2 FOR SCALE #2 IN SCALE HOUSE		6			15	3				4	20		12.5			UPS #2 IN SCALE HOUSE			
PORTAL MONITOR PRINTER IN SCALE HOUSE				3	15	5				6	15				2	REMOTE DISPLAY FOR SCALE #1			
TRAFFIC LIGHT CONTROLLER(TLC) IN SCALE HOUSE	4.1				15	7				8	15	2				REMOTE DISPLAY FOR SCALE #2			
TRAFFIC LIGHT #1 FOR SCALE #1		2			15	9				10	15		2			SCALE DIGITAL WEIGHT INDICATOR (E1310) IN SCALE HOUSE			
TRAFFIC LIGHT #2 FOR SCALE #1			2		15	11				12	20			12		ETHERNET SWITCH IN SCALE HOUSE			
REMOTE USER INTERFACE(RUI) TOUCH SCREEN IN SCALE HOUSE	2.1				15	13				14	20	12				COMPUTER IN SCALE HOUSE			
MONITOR IN SCALE HOUSE		3.5			15	15				16	15								
DATACENTER IN SCALE HOUSE			2.1		15	17				18	15								
SPARE					15	19				20	15								
SPARE					15	21				22									
SPARE					15	23				24									
						25				26									
						27				28									
						29				30									
						31				32									
						33				34									
						35				36									
						37				38									
						39				40									
						41				42									
TOTALS						A			B						C			TOTALS	
TOTAL CONNECT LOAD																		31kW	

PORTAL MONITORS AND SCALES CONDUIT/CABLE SCHEDULE (FOR OUTDOOR INSTALLATIONS ONLY)		
DESTINATION	CONDUIT	CABLE TYPE
CONTROLLER #1 IN SCALE HOUSE TO PORTAL SYSTEM #1 DETECTOR 'A' FOR SCALE #1	53mm (MINIMUM)	MANUFACTURER SUPPLIED 4 TWISTED SHEILDED PAIR, 7 STRAND (CERCO LTD. 7237-10, 4/PR 22/7STC)
CONTROLLER #1 IN SCALE HOUSE TO PORTAL SYSTEM #1 DETECTOR 'B' FOR SCALE #1	53mm (MINIMUM)	MANUFACTURER SUPPLIED 4 TWISTED SHEILDED PAIR, 7 STRAND (CERCO LTD. 7237-10, 4/PR 22/7STC)
CONTROLLER #2 IN SCALE HOUSE TO PORTAL SYSTEM #2 DETECTOR 'A' FOR SCALE #2	53mm (MINIMUM)	MANUFACTURER SUPPLIED 4 TWISTED SHEILDED PAIR, 7 STRAND (CERCO LTD. 7237-10, 4/PR 22/7STC)
CONTROLLER #2 IN SCALE HOUSE TO PORTAL SYSTEM #2 DETECTOR 'B' FOR SCALE #2	53mm (MINIMUM)	MANUFACTURER SUPPLIED 4 TWISTED SHEILDED PAIR, 7 STRAND (CERCO LTD. 7237-10, 4/PR 22/7STC)
LP-B IN SCALE HOUSE TO TRAFFIC LIGHT CONTROLLER (TLC)	53mm (MINIMUM)	2#12 AWG + GND
SCALE HOUSE ETHERNET SWITCH TO CAMERA	53mm (MINIMUM)	CAT6 ETHERNET CABLE
DIGITAL WEIGHT INDICATOR (E1310) TO SCALE #1 INSTRUMENTS	53mm (MINIMUM)	MANUFACTURER SUPPLIED 6 CONDUCTOR CABLE
DIGITAL WEIGHT INDICATOR (E1310) TO SCALE #2 INSTRUMENTS	53mm (MINIMUM)	MANUFACTURER SUPPLIED 6 CONDUCTOR CABLE
DIGITAL WEIGHT INDICATOR (E1310) TO SCALE #1 REMOTE DISPLAY	53mm (MINIMUM)	24 GAUGE TWO TWISTED SHEILDED PAIR CABLE
DIGITAL WEIGHT INDICATOR (E1310) TO SCALE #2 REMOTE DISPLAY	53mm (MINIMUM)	24 GAUGE TWO TWISTED SHEILDED PAIR CABLE
SCALE HOUSE LIGHTING PANEL GROUNDING TO SCALE #1 STEEL DECK	53mm (MINIMUM)	#4 AWG GROUNDING CONDUCTOR
SCALE HOUSE LIGHTING PANEL GROUNDING TO SCALE #2 STEEL DECK	53mm (MINIMUM)	#4 AWG GROUNDING CONDUCTOR
TRAFFIC LIGHT CONTROLLER (TLC) IN SCALE HOUSE TO SCALE #1 TRAFFIC LIGHT INDICATORS	53mm (MINIMUM)	2#12 AWG + GND
TRAFFIC LIGHT CONTROLLER (TLC) IN SCALE HOUSE TO SCALE #2 TRAFFIC LIGHT INDICATORS	53mm (MINIMUM)	2#12 AWG + GND
SPARE	53mm (MINIMUM)	
SPARE	53mm (MINIMUM)	

PANEL IDENTIFICATION : <u>LP-2</u> (LIGHTING)										LOCATION : <u>WEST GORGE</u>									
120/208 V , 3 Ø , 4 W ,										100 A MAIN BUS _____ A MAIN BREAKER									
DESCRIPTION	LOAD			BKR	CCT	SN				BKR	CCT	LOAD				DESCRIPTION			
	A	B	C	AMP	No	A	B	C		AMP	No	A	B	C					
DAMPER MD-WG-01A	100				15	1				2	15					SPARE			
DAMPER MD-WG-01B		100			15	3				4	15					SPARE			
THERMOSTAT T1			100		15	5				6	15			200		FAN CONTROL PANEL			
EUH-WG-01 THERMOSTAT	100				15	7				8	15	200				REC FOR CCTV			
EUH-WG-02 THERMOSTAT		100			15	9				10	15		500			REC OUTDOOR			
INDOOR LIGHTING			300		15	11				12	15			300		RECEPTACLE			
BATTERY UNIT LIGHTING	50				15	13				14	15					SPARE			
EXIT SIGN		30			15	15				16	15					SPARE			
EXTERIOR LIGHTING			70		15	17				18	15			200		ICP-002			
SPARE					15	19				20						SPACE			
SPARE					15	21				22						SPACE			
SPARE					15	23				24						SPACE			
TOTALS	250	230	470		A				B			C	200	500	700	TOTALS			
TOTAL CONNECT LOAD									450			730			1170			2350 kW	

PANEL IDENTIFICATION : <u>LP-3</u> (LIGHTING)										LOCATION : <u>EXCLUSION ZONE PUMP</u>									
120/208 V , 3 Ø , 4 W ,										100 A MAIN BUS _____ A MAIN BREAKER									
DESCRIPTION	LOAD			BKR	CCT	SN				BKR	CCT	LOAD				DESCRIPTION			
	A	B	C	AMP	No	A	B	C		AMP	No	A	B	C					
ICP-003	200				15	1				2	15					SPARE			
SPARE					15	3				4	15					SPARE			
M1 EXTERIOR LIGHTING			100		15	5				6	15					SPARE			
SPARE					15	7				8	15					SPARE			
SPARE					15	9				10	15					SPARE			
M2 LIGHTING FIXTURES			200		15	11				12	15					SPARE			
TOTALS	200	0	300		A				B			C	0	0	0	TOTALS			
TOTAL CONNECT LOAD									200			300						500 kW	

PANEL IDENTIFICATION : <u>LP-1</u> (LIGHTING)										LOCATION : <u>EAST GORGE</u>									
120/208 V , 3 Ø , 4 W ,										100 A MAIN BUS _____ A MAIN BREAKER									
DESCRIPTION	LOAD			BKR	CCT	SN				BKR	CCT	LOAD				DESCRIPTION			
	A	B	C	AMP	No	A	B	C		AMP	No	A	B	C					
DAMPER MD-EG-01A	100				15	1				2	15					SPARE			
DAMPER MD-EG-01B		100			15	3				4	15					SPARE			
THERMOSTAT T1			100		15	5				6	15			200		FAN CONTROL PANEL			
EUH-EG-01 THERMOSTAT	100				15	7				8	15	200				REC FOR CCTV			
EUH-EG-02 THERMOSTAT		100			15	9				10	15		500			REC OUTDOOR			
INDOOR LIGHTING			300		15	11				12	15			300		RECEPTACLE			
BATTERY UNIT LIGHTING	50				15	13				14	15					SPARE			
EXIT SIGN		30			15	15				16	15					SPARE			
EXTERIOR LIGHTING			70		15	17				18	15			200		ICP-001			
SPARE					15	19				20						SPACE			
SPARE					15	21				22						SPACE			
SPARE					15	23				24						SPACE			
TOTALS	250	230	470		A				B			C	200	500	700	TOTALS			
TOTAL CONNECT LOAD									450			730			1170			2350 kW	

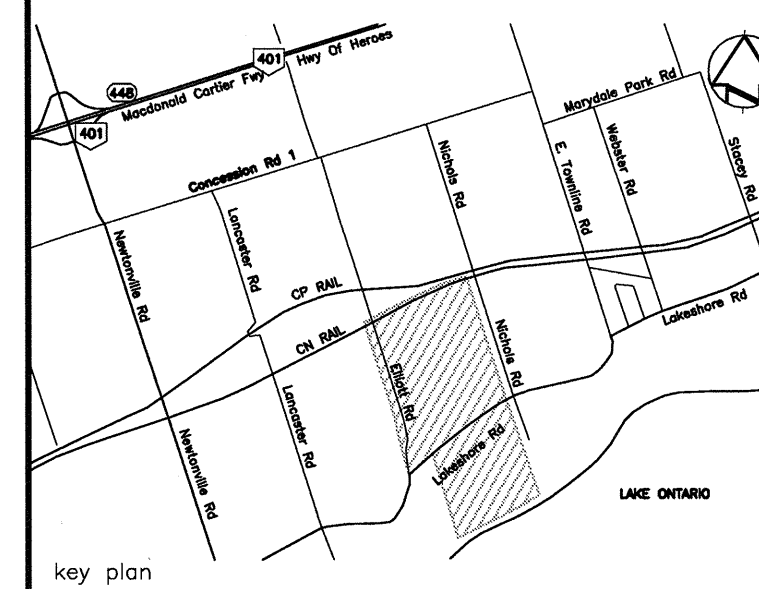
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NOTES:

- CONTRACTOR TO PROVIDE AND INSTALL AS A MINIMUM, #4 AWG GROUNDING CONDUCTOR TO THE SCALES STEEL DECK. REFER TO SPECIFICATIONS APPENDIX Y FOR WEIGH SCALES INSTALLTION INSTRUCTION MANUAL, FOR MANUFACTURER'S RECOMMENDED GROUNDING PROCEDURE FOR THE SCALES.
- CONTRACTOR TO PROVIDE CONCRETE ENCASED DUCTBANK FOR ALL UNDERGROUND ELECTRICAL ROUGH INS AND HOT DIPPED GALVANIZED RIGID STEEL CONDUITS FOR ANY ROUGH INS ABOVE GROUND.



Public Works and
Government Services Canada
Travaux publics et
Services gouvernementaux Canada



key plan



04		
03		
02	TENDER ADDENDUM No. 4	2014/11/14
01	ISSUED FOR TENDER	2013/06/28
revision		date

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project title titre du projet	PORT GRANBY, ONTARIO PORT HOPE AREA INITIATIVE	
drawing title titre du dessin	PANEL SCHEDULE PGWMF SITE	
drawn by dessiné par	JL	
designed by conc par	JL	
approved by approuvé par	EM/CH	
bid offre	J.A., P.ENG.	project manager administrateur de projets
project date date du projet	2013-07-15	
project no. no. du projet	R.023276.217	
drawing no. dessiné no.	PGWMF-E-80	