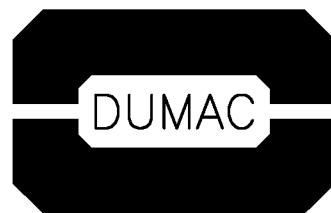


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1.	ISSUED FOR TENDER	01.26 2018
revisions		date

project

CCG WP2.0 FIT-UP  
MARITIME HEADQUARTERS  
BEDFORD INSTITUTE OF OCEANOGRAPHY  
DARTMOUTH  
NOVA SCOTIA

drawing

CCG FIT-UP  
POWER  
PANEL  
SCHEDULES

designed KADesigns conçu

date

drawn KAD dessiné

date OCT.02.2017

approved approuvé

date

Tender IAN SCELES Soumission

PWGSC Project Manager Administrateur de projets TPSGC

project number no. du projet

R.082156.001

drawing no. no. du dessin

E.13

EXISTING PANEL

VOLTS		120/208		PANEL		P2A		TYPE		225A		AMPS											
PHASE		3		LOCATION		ELECTRICAL ROOM 211		MAINS		ENTER		AT											
WIRE		4		FED FROM								MTG. _____ s											
DESIGNATION				WATTS			CIR. No.	BKR NO	A	B	C	BKR NO	CIR. No.	WATTS			DESIGNATION						
				A	B	C								A	B	C							
RECEPT. ROOMS 203				200			1	20A	+	+			15A	2	400			RECEPT. ELECT. RM.					
RECEPT. ROOMS 203, 208					600		3	20A	+	+			15A	4		400		RECEPT. COMM. RM.					
RECEPT. ROOMS 201, 202						600	5	20A	+	+			15A	6			200	DRINKING FOUNTAIN					
RECEPT. ROOMS 202, 215				600			7	20A	+	+			15A	8	200			GEN. RECEPT. RM 206, 212A					
WORKSTATION RECEPT. RM 216					500		9	15A	+	+			15A	10		400		WORK STATION RM 202					
TRAP PRIMER						100	11	15A	+	+			15A	12				SPARE					
FORCE FLOW "FF"				400			13	15A	+	+			15A	14				SPARE					
WORKSTATION RECEPT. RM 308					500		15	15A	+	+			15A	16		200		EXTERIOR GFI RECEPTACLES					
WORKSTATION RECEPT. RM 308						500	17	15A	+	+			15A	18			400	EXTERIOR GFI RECEPTACLES					
ELEVATOR INTERCOM POWER SUPPLY				200			19	15A	+	+			20A	20	872			LIGHTING MEETING RM 216					
FORCE FLOW "FF"					200		21	15A	+	+			2P	22				SPARE					
RECEPTACLE RM 213						400	23	20A	+	+			15A	24									
							25		+	+			28										
							27		+	+			30										
							29		+	+			32										
							31		+	+			34										
							33		+	+			36										
							35		+	+			15A	38			250	250	SYSTEMS FURNITURE RESCUE TRAINING				
							37		+	+			15A	40					SYSTEMS FURNITURE RESCUE TRAINING				
							39		+	+			15A	42			250	250	SYSTEMS FURNITURE RESCUE TRAINING				
							41		+	+			15A	44			250	250	SYSTEMS FURNITURE RESCUE TRAINING				
							43		+	+			15A	46			250	600	SYSTEMS FURNITURE RESCUE TRAINING				
							45		+	+			20A	48					RECEPT. RESCUE TRAINING				
							47		+	+			20A	50	600				RECEPT. RESCUE TRAINING				
							49		+	+			20A	52		600			RECEPT. RESCUE TRAINING				
							51		+	+			15A	54				600	RECEPT. RESCUE TRAINING				
SPARE							53		+	+			20A	56	600				RECEPT. RESCUE TRAINING				
SPARE							55	15A	+	+			20A	58		600			RECEPT. RESCUE TRAINING				
SPARE							57	15A	+	+			20A	60									
							59	15A	+	+													
ø "A" TOTAL				4572															△ EXISTING BREAKER AND BRANCH CIRCUIT TO REMAIN				
ø "B" TOTAL				4500															▲ NEW BREAKER AND BRANCH CIRCUIT				
ø "C" TOTAL				3900															* INDICATES BREAKER TO BE COMPLETE WITH HANDLE LOCKING DEVICE				
TOTAL LOAD				13.0	KW			36		AMP			GF INDICATES BREAKER TO BE GROUND FAULT CIRCUIT INTERRUPTER TYPE										

EXISTING PANEL

VOLTS 120/208		PANEL P3A		TYPE MAINS 225A		AMPS						
PHASE 3		LOCATION ELECTRICAL ROOM 307		ENTER AT		MTG. s						
WIRE 4		FED FROM		SPLITTER								
DESIGNATION	WATTS			CIR. No.	BKR NO	A B C	BKR NO	CIR. No.	WATTS			DESIGNATION
	A	B	C						A	B	C	
RECEPT. STORAGE ROOM	250			1	15A	+	15A	2	250			CEILING GRID JUNCTION BOX#2
CEILING GRID JUNCTION BOX#1		250		3	15A	+	15A	4		250		CEILING GRID JUNCTION BOX#2
CEILING GRID JUNCTION BOX#1			250	5	15A	+	15A	6			250	CEILING GRID JUNCTION BOX#2
CEILING GRID JUNCTION BOX#1	250			7	15A	+	15A	8	250			CEILING GRID JUNCTION BOX#2
CEILING GRID JUNCTION BOX#1		250		9	15A	+	15A	10		250		CEILING GRID JUNCTION BOX#2
CEILING GRID JUNCTION BOX#3			250	11	15A	+	15A	12			100	TRAP PRIMER
CEILING GRID JUNCTION BOX#3	250			13	15A	+	20A	14	872			LTG MTG RM 308
CEILING GRID JUNCTION BOX#3		250		15	15A	+	2P	16		250		SPLIT DUPLEX FRIDGE
CEILING GRID JUNCTION BOX#3			250	17	15A	+	15A	18			250	
CEILING GRID JUNCTION BOX#3	250			19	15A	+		20				
RECEPTACLES RM 304A		600		21	15A	+	20A	22		600		RECEPT. CORRIDORS
FLOOR RECEPTACLE RM 308			400	23	15A	+	20A	24			600	RECEPT. CORRIDORS
WORKSTATION RECEPTACLE RM 308	500			25	15A	+	15A	26	400			RECEPT. ELEC RM
WORKSTATION RECEPTACLE RM 308		500		27	15A	+	15A	28		400		RECEPT. COMM RM
SPARE				29	20A	+	20A	30				SPARE
WORKSTATION RECEPTACLE RM 308	250			31	15A	+	15A	32	600			RECEPT. KITCHENETTE MICROWAVE
WORKSTATION RECEPTACLE RM 308		250		33	15A	+	15A	34		600		RECEPT. KITCHENETTE FRIDGE
WORKSTATION RECEPTACLE RM 308			250	35	15A	+		36				
WORKSTATION RECEPTACLE RM 308	250			37	15A	+	15A	38	250			
WORKSTATION RECEPTACLE RM 308		250		39	15A	+	15A	40		250		RECEPT. NW CORNER ROOM 308
WORKSTATION RECEPTACLE RM 308			250	41	15A	+	15A	42			250	RECEPT. OFFICE 304B
WORKSTATION RECEPTACLE RM 308				43	15A	+	2P	44	250			
WORKSTATION RECEPTACLE RM 308		250		45	15A	+	20A	46		250		RECEPT. KITCHENETTE COUNTER
SPARE				47	2P	+	2P	48			250	
				49	15A	+	20A	50	250			RECEPT. KITCHENETTE COUNTER
				51		+	2P	52		250		
				53	15A	+	20A	54			250	RECEPT. KITCHENETTE COUNTER
SPARE				55		+	15A	56	250			MEZZANINE FURNITURE
PLOTTER		1000		57	20A	+	15A	58		250		MEZZANINE FURNITURE
				59		+	15A	60		250		MEZZANINE FURNITURE
Ø A' TOTAL 5372												△ EXISTING BREAKER AND BRANCH CIRCUIT TO REMAIN
Ø B' TOTAL 6950												▲ NEW BREAKER AND BRANCH CIRCUIT
Ø C' TOTAL 3850												● EXISTING BREAKER TO BE LABELED AS SPARE
TOTAL LOAD 16.2		KW		45		AMP						GF INDICATES BREAKER TO BE GROUND FAULT CIRCUIT INTERRUPTER TYPE

EXISTING PANEL

VOLTS 120/208		PANEL P4A		TYPE MAINS 225A		AMPS	
PHASE 3		LOCATION ELECTRICAL ROOM 406		ENTER AT		MTG. s	
WIRE 4		FED FROM					
DESIGNATION	WATTS			CIR. No.	BKR NO.	A B C	DESIGNATION
	A	B	C				
CEILING GRID JUNCTION BOX#1	250			1	15A	+	CEILING GRID JUNCTION BOX#5
CEILING GRID JUNCTION BOX#1		250		3	15A	+	CEILING GRID JUNCTION BOX#5
CEILING GRID JUNCTION BOX#1			250	5	15A	+	CEILING GRID JUNCTION BOX#5
CEILING GRID JUNCTION BOX#1	250			7	15A	+	CEILING GRID JUNCTION BOX#5
CEILING GRID JUNCTION BOX#1		250		9	15A	+	CEILING GRID JUNCTION BOX#5
CEILING GRID JUNCTION BOX#2			250	11	15A	+	CEILING GRID JUNCTION BOX#6
CEILING GRID JUNCTION BOX#2	250			13	15A	+	CEILING GRID JUNCTION BOX#6
CEILING GRID JUNCTION BOX#2		250		15	15A	+	CEILING GRID JUNCTION BOX#6
CEILING GRID JUNCTION BOX#2			250	17	15A	+	CEILING GRID JUNCTION BOX#6
CEILING GRID JUNCTION BOX#2	250			19	15A	+	CEILING GRID JUNCTION BOX#6
CEILING GRID JUNCTION BOX#3		250		21	15A	+	CEILING GRID JUNCTION BOX#7
CEILING GRID JUNCTION BOX#3			250	23	15A	+	CEILING GRID JUNCTION BOX#7
CEILING GRID JUNCTION BOX#3	250			25	15A	+	CEILING GRID JUNCTION BOX#7
CEILING GRID JUNCTION BOX#3		250		27	15A	+	CEILING GRID JUNCTION BOX#7
CEILING GRID JUNCTION BOX#3			250	29	15A	+	CEILING GRID JUNCTION BOX#7
CEILING GRID JUNCTION BOX#4	250			31	15A	+	CEILING GRID JUNCTION BOX#8
CEILING GRID JUNCTION BOX#4		250		33	15A	+	CEILING GRID JUNCTION BOX#8
CEILING GRID JUNCTION BOX#4			250	35	15A	+	CEILING GRID JUNCTION BOX#8
CEILING GRID JUNCTION BOX#4	250			37	15A	+	CEILING GRID JUNCTION BOX#8
CEILING GRID JUNCTION BOX#4		250		39	15A	+	CEILING GRID JUNCTION BOX#8
RECEPTACLES RM 408D			600	41	15A	+	RECEPT. CORRIDORS
FLOOR RECEPTACLE RM 408B	400			43	15A	+	RECEPT. CORRIDORS
LIGHTING RM 408B		228		45	20A	+	RECEPT. ELECT. RM.
SPARE				47	15A	+	RECEPT. COMM. RM.
SPARE				49	20A	+	RECEPT. KITCHENETTE COUNTER
TRAP PRIMER	100			51	15A	+	SPARE
DOOR CONTROLLER COMM. RM. 404		400		53	15A	+	RECEPT. KITCHENETTE FRIDGE
COPIER RM 408C			600	55	20A	+	LIGHTING RM 408D
COPIER RM 408C	600			57	20A	+	RECEPT. SERVERY 408
COPIER RM 408C		600		59	20A	+	RECEPT. SERVERY 408
COPIER RM 408C			600	61	20A	+	RECEPT. SERVERY 408
				63		+	RECEPT. MICROWAVE SERVERY 408
				65		+	RECEPT. MICROWAVE SERVERY 408
SPARE				67	15A	+	RECEPT. SERVERY 408
MECHANICAL CONTROLS				69	15A	+	
MECHANICAL CONTROLS				71	15A	+	
Ø A' TOTAL 6300				△ EXISTING BREAKER AND BRANCH CIRCUIT TO REMAIN			
Ø B' TOTAL 6328				▲ NEW BREAKER AND BRANCH CIRCUIT			
Ø C' TOTAL 8400				* INDICATES BREAKER TO BE COMPLETE WITH HANDLE LOCKING DEVICE			
				GF INDICATES BREAKER TO BE GROUND FAULT CIRCUIT INTERRUPTER TYPE			
TOTAL LOAD 21.1		KW		59		AMP	

EXISTING PANEL

VOLTS		120/208		PANEL		P4B		TYPE		225A		AMPS			
PHASE		3		LOCATION		ELECTRICAL ROOM 607		MAINS		ENTER AT		MTG. s			
WIRE		4		FED FROM											
DESIGNATION		WATTS			CIR. No.	BKR NO	A	B	C	BKR NO	CIR. No.	WATTS			DESIGNATION
		A	B	C								A	B	C	
CEILING GRID JUNCTION BOX#9		250			1	15A	+			15A	2	250			CEILING GRID JUNCTION BOX#13
CEILING GRID JUNCTION BOX#9			250		3	15A	+	+		15A	4		250		CEILING GRID JUNCTION BOX#13
CEILING GRID JUNCTION BOX#9				250	5	15A			+	15A	6			250	CEILING GRID JUNCTION BOX#13
CEILING GRID JUNCTION BOX#9		250			7	15A	+	+		15A	8	250			CEILING GRID JUNCTION BOX#13
CEILING GRID JUNCTION BOX#9			250		9	15A		+	+	15A	10		250		CEILING GRID JUNCTION BOX#13
CEILING GRID JUNCTION BOX#10				250	11	15A			+	15A	12			250	CEILING GRID JUNCTION BOX#14
CEILING GRID JUNCTION BOX#10		250			13	15A	+	+		15A	14	250			CEILING GRID JUNCTION BOX#14
CEILING GRID JUNCTION BOX#10			250		15	15A		+		15A	16		250		CEILING GRID JUNCTION BOX#14
CEILING GRID JUNCTION BOX#10				250	17	15A		+	+	15A	18			250	CEILING GRID JUNCTION BOX#14
CEILING GRID JUNCTION BOX#10		250			19	15A	+	+		15A	20	250			CEILING GRID JUNCTION BOX#14
CEILING GRID JUNCTION BOX#11			250		21	15A			+	15A	22		250		CEILING GRID JUNCTION BOX#15
CEILING GRID JUNCTION BOX#11				250	23	15A			+	15A	24			250	CEILING GRID JUNCTION BOX#15
CEILING GRID JUNCTION BOX#11		250			25	15A		+		15A	26	250			CEILING GRID JUNCTION BOX#15
CEILING GRID JUNCTION BOX#11			250		27	15A			+	15A	28		250		CEILING GRID JUNCTION BOX#15
CEILING GRID JUNCTION BOX#11				250	29	15A		+	+	15A	30			250	CEILING GRID JUNCTION BOX#15
CEILING GRID JUNCTION BOX#12		250			31	15A		+		15A	32	250			CEILING GRID JUNCTION BOX#16
CEILING GRID JUNCTION BOX#12			250		33	15A			+	15A	34		250		CEILING GRID JUNCTION BOX#16
CEILING GRID JUNCTION BOX#12				250	35	15A			+	15A	36			250	CEILING GRID JUNCTION BOX#16
CEILING GRID JUNCTION BOX#12		250			37	15A		+	+	15A	38	250			CEILING GRID JUNCTION BOX#16
CEILING GRID JUNCTION BOX#12			250		39	15A			+	15A	40		250		CEILING GRID JUNCTION BOX#16
FUTURE MILLWORK DISPLAY				200	41	15A			+	20A	42			600	RECEPT. CORRIDORS
COPIER ROOM 408A		600			43	20A		+	+	44	44				RECEPT. CORRIDORS
COPIER ROOM 408A			600		45	20A			+	15A	46		400		GEN. RECEPT. RM 408A, 408C, 409
COPIER ROOM 408A				600	47	20A			+	15A	48				SPARE
COPIER ROOM 408A		600			49	20A		+	+	15A	50	200			DRINKING FOUNTAIN
RECEPT. SMALL MEETING ROOM			600		51	15A			+	15A	52		1000		GFI RECEPT. WASHROOMS 402, 403
RECEPT. SMALL MEETING ROOM				600	53	15A			+	15A	54				SPARE
SPARE					55	15A			+	15A	55		100		MEN'S HAND DRYER
SPARE					57	15A			+	15A	58		100		WOMEN'S HAND DRYER
SPARE					59	15A			+	15A	60				RECEPT. INTERACTIVE
ø A' TOTAL		5400											△ EXISTING BREAKER AND BRANCH CIRCUIT TO REMAIN		
ø B' TOTAL		6200											▲ NEW BREAKER AND BRANCH CIRCUIT		
ø C' TOTAL		5600											* INDICATES BREAKER TO BE COMPLETE WITH HANDLE LOCKING DEVICE		
													GF INDICATES BREAKER TO BE GROUND FAULT CIRCUIT INTERRUPTER TYPE		
TOTAL LOAD		17.2			KW		48		AMP						