



1 TYPICAL WALL MOUNTED POWER AND DATA OUTLETS DETAIL  
E-05 SCALE: N.T.S

PANEL NUMBER: LP-N1												
Mounting :	Surface	VOLTAGE :	120/208	V	BUS RAT. :	100	A					
Project :		PHASES :	3		MAIN BRKR :		A					
		WIRE :	4		INTERRUPT :							
Panel Loc :	ELECTRICAL ROOM	CIRCUITS :	42		CAPACITY :		kA					
Print Date :	Aug 4, 2015	PRINT FINAL PANEL										
11:29 AM												
CCT	LOAD			KVA	BRK	P	BRK	KVA	LOAD			CCT
No	TYPE	Description		SIZE	H	SIZE		TYPE	Description		No	
1		EXISTING LIGHTING			A				EXISTING RECEPTACLES		2	
3		EXISTING LIGHTING			B				EXISTING RECEPTACLES		4	
5					C				EXISTING RECEPTACLES		6	
7					A						8	
9					B				EXISTING RECEPTACLES		10	
11					C				EXISTING RECEPTACLES		12	
13		EXISTING COOLING UNIT RM 166			A				EXISTING UNIT HEATERS		14	
15		EXISTING COOLING UNIT RM 166			B				EXISTING EF-16		16	
17					C				EXISTING EF-4 RM 177		18	
19					A				EXISTING CIRCULATING PUMP		20	
21					B				EXISTING EF		22	
23					C	20A		REC	RECEPTACLES ON ROOF		24	
25					A	20A		REC	RECEPTACLES ON ROOF		26	
27					B	15A	0.20	MTR	EF-2		28	
29					C	15A	1.30	MTR	CU-1 AC-1		30	
31					A	2P	1.30	MTR			32	
33	MTR	COMPRESSOR COMPR-1		1.10	15A	B	15A	0.02	MTR	CONDENSATE PUMP	34	
35	MTR			1.10	2P	C	15A	0.02	DTH	EF-1 CONTROLLER	36	
37					A	15A	0.20	DTH	FUME HOOD		38	
39					B						40	
41					C						42	
CONNECTED LOAD			LOAD TYPE		DIVERSITY FACTOR		DEMAND					
Phase A:		15 kVA	LIGHTING	:	kVA	1.0					kVA	
Phase B:		13 kVA	RECEPTS	:	kVA	0.5					kVA	
Phase C:		24 kVA	MOTORS	:	5.0	kVA	0.7				3.5 kVA	
TOTAL :		52 kVA	HEATERS	:	kVA	0.7					kVA	
Summer Load:		30 kVA	OTHERS	:	0.2	kVA	1.0				0.2 kVA	
Winter Load:		30 kVA						TOTAL DEMAND:			3.7 kVA	
MAXIMUM:		30 kVA	TOTAL	:	5.2	kVA						
								Summer			2.2 kVA	
								Winter			2.2 kVA	
								TOTAL DEMAND:			3.7 kVA	

Mounting :		Surface	PANEL NUMBER: LP-E1			VOLTAGE :		120/208	V	BUS RAT. :		100	A				
Project :			PHASES :		3	MAIN BRKR :				INTERRUPT :			A				
			WIRE :		4					CAPACITY :			kA				
Panel Loc :		ELECTRICAL ROOM		CIRCUITS :		42											
Print Date :		Aug 4, 2015		11:20 AM		PRINT FINAL PANEL											
CCT		LOAD		KVA		BRK		P		BRK		KVA		LOAD		CCT	
No	TYPE	Description				SIZE	H	SIZE		TYPE	Description				No		
1		EXISTING LIGHTING					A				EXISTING RECEPTACLES				2		
3		EXISTING LIGHTING					B				EXISTING RECEPTACLES				4		
5		EXISTING LIGHTING					C				EXISTING RECEPTACLES				6		
7		EXISTING LIGHTING					A								8		
9							B								10		
11		EXISTING LOBBY CAMERA					C								12		
13	LTG	LIGHTING RM 176		0.40	15A	A					EXISTING EXT SIGNS				14		
15	REC	RECEPTACLES RM 176		0.60	15A	B					EXISTING FIRE ALARM PANEL				16		
17	REC	RECEPTACLES RM 176		0.40	15A	C									18		
19	REC	RECEPTACLES RM 176		0.40	15A	A									20		
21	REC	RECEPTACLES RM 176		0.80	15A	B									22		
23	MTR	CU-2		1.61	30A	C									24		
25	MTR			1.61	2P	A									26		
27	MTR	AC-2, AC-3, AC-4		0.05	15A	B									28		
29	MTR			0.05	2P	C									30		
31	MTR	CONDENSATE PUMP		0.02	15A	A									32		
33						B									34		
35						C									36		
37						A									38		
39						B									40		
41						C									42		

CONNECTED LOAD				LOAD TYPE				DIVERSITY FACTOR				DEMAND			
Phase A:		2.4 kVA		LIGHTING		: 0.4		kVA		1.0				0.4 kVA	
Phase B:		1.5 kVA		RECEPTS		: 2.2		kVA		0.5				1.1 kVA	
Phase C:		2.1 kVA		MOTORS		: 3.3		kVA		0.7				2.3 kVA	
TOTAL :		5.9 kVA		HEATERS		:		kVA		0.7				kVA	
Summer Load:		kVA		OTHERS		:		kVA		1.0				kVA	
Winter Load:		kVA		TOTAL		:		5.9		kVA		TOTAL DEMAND:			
MAXIMUM:		kVA												3.8 kVA	
												Summer		-0.3 kVA	
												Winter		-0.3 kVA	
												TOTAL DEMAND:		3.8 kVA	

DIALOG®

stamp



1	BID	2015-08-05
revision	issue	date

Do not scale drawings.  
Verify all dimensions and conditions on site and immediately notify the Departmental Representative of all discrepancies.

A	Detail No.
B	drawing no. - where detail required
C	drawing no. - where detailed

project title  
titre du projet  
CAMPBELLFORD, ONTARIO  
WARKWORTH INSTITUTION BLDG WW27  
CORRECTIONAL SERVICES CANADA  
15847 County Road 29, KOL 1L0  
RETROFIT ARMOURY &  
SMO WORK AREA

drawing title  
titre du dessin  
ELECTRICAL DETAILS

drawn by  
dessine par  
O SHUSTER

designed by  
conc par  
L LE

approved by  
approuve par  
N ARORA

bid  
offre  
K HAQUE

project manager  
administrateur  
de projets

project date  
date du projet  
2015-06-15

project no.  
no. du projet  
R.069651.001

drawing no.  
dessine no.  
E-05