

PANEL ID: PNL-L10		AMPS:	VOLTS: 120/208V	PHASE: 3 P	WIRE: 4	SURF. MOUNT <input checked="" type="checkbox"/>	TOP FED <input checked="" type="checkbox"/>								
DESCRIPTION: 120/208V DISTRIBUTION PANELBOARD				LOCATION: ELECTRICAL ROOM											
MFG / MODEL: SQUARE D				INTERRUPTING RATING: 10 KA											
MAIN BREAKER: N/A				INST. SETTINGS: N/A											
CCT.	DESCRIPTION	NOTE	WIRE (AWG)	BRKR AMPS	LOAD (VA)	A	B	C	LOAD (VA)	BRKR AMPS	WIRE (AWG)	NOTE	DESCRIPTION	CCT.	
1	LIGHTING - MAIN FLOOR		12	15	600				600	15	12		LOWER LEVEL RECEPTACLES	2	
3	LIGHTING - LOWER LEVEL		12	15	1050				360	15	12		COMMUNUTOR CHAMBER RECEPTACLES	4	
5	LIGHTING - MOTOR & PUMP ROOM		12	15	790				600	15	12		PUMP ROOM RECEPTACLES	6	
7	ESSENTIAL LIGHTING		12	15	960				720	15	12		MOTOR ROOM RECEPTACLES	8	
9	SPARE (FUTURE LIGHTING)			15					1200	15	12	1, 3	COMPRESSOR PLUG	10	
11	SPARE			15					1000	15	12	1, 3	SP-L13 PUMP ROOM SUMP PUMP	12	
13	SF-L2 MECHANICAL ROOM SUPPLY FAN		12	15	40								SPARE	14	
15	SPARE			20									SPARE	16	
17	SPARE			20									SPARE	18	
19	ELECTRICAL ROOM HEATER (UH-L1)		12	20	1800								SPARE	20	
21	ELECTRICAL ROOM HEATER (UH-L1)		12	20	1800				180	15	12		OUTSIDE LIGHTS	22	
23	PDP-L1/CP-L1	2, 4	12	15	700				360	15	12		ELECTRICAL ROOM RECEPTACLES	24	
25	SPARE	2		15					250	15	12		MCC EXHAUST FANS	26	
27	LS52-FT NORTH FLOW METER	1,2,4	12	15	20				600	15	12	1	ELECTRICAL ROOM EXHAUST FANS	28	
29	LS57-FT SOUTH FLOW METER	1,2,4	12	15	20				110	15	12	2	CP-L2 VENTILATION PANEL	30	
31	OUTDOOR RECEPTACLE	2	12	15	120				1000	15	12	1,2,5	SP-L10 COMM. CHAMBER SUMP PUMP	32	
33	SPARE	2		15					1000	15	12	1,2,5	SP-L11 COMM. CHAMBER SUMP PUMP	34	
35	MECHANICAL ROOM RECEPTACLES	2	12	15	720				1000	15	12	1,2,5	SP-L12 COMM. CHAMBER SUMP PUMP	36	
37	SPACE												SPACE	38	
39	SPACE												SPACE	40	
41	SPACE												SPACE	42	
TOTAL CONNECTED LOAD: 17.6 KVA			PHASE A: 6.1 kVA		50.8 A										
			PHASE B: 6.2 kVA		51.8 A										
			PHASE C: 5.3 kVA		44.2 A										
NOTE LEGEND:															
AFCI ARC FAULT CIRCUIT INTERRUPTOR															
GFCI GROUND FAULT CIRCUIT INTERRUPTOR															
LKON LOCKED ON BREAKER															
LKOR RED LOCKED ON BREAKER															
NOTES:															
1. LOAD (VA) IS ASSUMED.															
2. PROVIDE AND INSTALL CIRCUIT BREAKER INTO EXISTING SPACE.															
3. GROUP CCTS 10 AND 12 IN A DEDICATED CONDUIT.															
4. GROUP CIRCUITS 23, 27, 29 IN A DEDICATED CONDUIT.															
5. GROUP CIRCUITS 32, 34, 36 IN A DEDICATED CONDUIT.															

LUMINAIRE SCHEDULE

TYPE	MANUFACTURER	MODEL	LAMPS		VOLTS	LOAD VA	MOUNTING	NOTE
			QTY	TYPE				
A	BEGHELLI	HZ100T84HT232W120V	2	T8 32W	120	75	CS OR AN	
B	BEGHELLI	HZ100T84HT217W120V	2	T8 17W	120	40	W	
C	CANLYTE KEENE	313070LXL335T	1	HPS 70W	120	90	W	1
EA	READY-LITE	LXD12-108NM2LD7	2	LED, 4W	12	8	W	2

MOUNTING LEGEND:

CH	CHAIN	R	RECESSED
CS	CEILING SURFACE	W	WALL
P	PENDANT	TRC	THREADED ROD AND CHANNEL
		AN	AS NOTED ON DRAWINGS

NOTES:

- COMES WITH INTEGRATED PHOTOCELL
- USE 10 AWG, RW90 IN 16mm CONDUIT.

EMERGENCY LIGHTING BATTERY SCHEDULE

ID	MANUFACTURER	MODEL	INPUT		OUTPUT VOLTS	INTERNAL LAMPS		REMOTE FIXTURES		TOTAL LOAD (W)	DESIGN TIME	NOTE
			VOLTS	VA		QTY	TYPE	QTY	TOTAL REMOTE LOAD (W)			
ELB-L1	READY-LITE	LXD12-108NM2-LD7	120	30	12	2	LED, 4W	4	32	40	>1.5 HRS	1
ELB-L2	READY-LITE	LXD12-108NM2-LD7	120	30	12	2	LED, 4W	3	24	32	>1.5 HRS	1

NOTES:

- BATTERY RATED FOR 30 MIN. @ 108W.

NOTES:

- DO NOT INSTALL MORE THAN 24 CONDUCTORS IN ANY CONDUIT.



		SNC-LAVALIN INC. 148 Nature Park Way Winnipeg, MB, Canada R3P 0X7 204-786-8080		ENGINEER'S SEAL
DESIGNED BY: V. ELIMBAN	CHECKED BY: C. REIMER	ORIGINAL DRAWING SEALED BY: C. J. REIMER SNC-LAVALIN MEMBER #21968 2012/02/23 REV. 00		
DRAWN BY: S. FUNK	APPROVED BY: C. REIMER			
SCALE: NTS	RELEASED FOR CONSTRUCTION BY: K. R. ZUREK			
DATE: 2011/09/30	DATE: 2012/02/23	CONSULTANT NO.: 508042-0000-47DD-0016		
00 ISSUED FOR TENDER, BID OPP. 907-2011	2012/02/09	VE	CJR	
NO. REVISIONS	DATE	DESIGN	CHECK	

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT	
MONTCALM WASTEWATER PUMPING STATION 2011 UPGRADES ELECTRICAL SCHEDULES	
CITY DRAWING NUMBER	SHEET REV. SIZE
1-0164L-E0016	001 00 A1