

FILE NAME:

DATE:

DESCRIPTION:

PROJECT No.:

ADDRESS:

DRAWING NOTES:

- 1 REFER TO RELAY PANEL SCHEDULE RP 1-1 ON DRAWING E-1.0 FOR MORE DETAIL OF LOW VOLTAGE CONTROL SYSTEM.
- 2 REFER TO RELAY PANEL SCHEDULE RP 3-1 ON DRAWING E-1.1 FOR MORE DETAIL OF LOW VOLTAGE CONTROL SYSTEM.

EMERGENCY BATTERY BANK SCHEDULE

No.	MANUFACTURER	CATALOGUE NO.	INPUT VOLTS	OUTPUT VOLTS	SOURCE CIRCUIT	QUANTITIES				MINIMUM WATTAGE	NOTES
						EXISTING		NEW			
						[E-1]	[E-2]	[E-1]	[E-2]		
BB-1	LUMACELL	RG24S-432-2-LH9W	120	24	2A-02	2	2	4	9	369	
BB-2	LUMACELL	RG24S-350-2-LH9W	120	24	2A-02	2	3	5	8	323	
BB-3	LUMACELL	RG24S-288-2-LH9W	120	24	2F-02	0	0	5	8	246	

NOTES:
 [E-1] LERLMCEU UNIV C860 SINGLE/DOUBLE UNIVERSAL MOUNTING
 [E-2] LUMACELL M-Q-2-24V9W QUARTZ 24VDC

LUMINAIRE SCHEDULE

TYPE	MANUFACTURER	CATALOGUE NO.	LAMPS		VOLTS	MOUNTING	REMARKS	NOTES
			NO.	TYPE				
A	LITHONIA	C-2-32-120-GEB10IS-WGCSMR-HC	2	32W T8	120	CH	1'X4' FLUORESCENT FOR STORAGE AREA	
B	LITHONIA	WP-2-32-120-GEB10PS-CSA	2	32W T8	120	W	WALL BRACKET LIGHT FOR WASHROOM	
C	LITHONIA	C-2-32-120-GEB10IS-HC	1	32W T8	120	CH	1'X4' FLUORESCENT FOR STORAGE AREA	
D	PORTFOLIO	PD8-HW226E-8HC	2	26W	120	R	COMPACT FLOURESCENT POT LIGHT IN LOBBY	
E	VERVE II	FV2S-PS-2T8-1C-120-E-C24-WH	2	32W T8	120	P	LIGHTING IN LOBBY	
F	VERVE II	FV2W-PS-1T8-1C-120-E-WM-WH	1	32W T8	120	W	LIGHTING IN LOBBY	

NOTES:
 1. PROVIDE CROUSE HINDS BALL ALINER AND FIXTURE HANGER. PROVIDE SUPPORT BRACKET SUITABLE FOR 200 KG PER FIXTURE.
 S = SURFACE W = WALL TB = T-BAR
 R = RECESSED V = VALANCE DW = DRYWALL
 C = CEILING P = PENDANT CH = CHAIN

PANEL: 2A (EXISTING)

VOLTAGE: 120/208 MAIN BREAKER: 200A PHASE: 3 WIRE: 4

DESCRIPTION	LOAD WATTS	BKR SIZE	CIRCUIT	BKR SIZE	LOAD WATTS	DESCRIPTION
EXISTING			1	2	15	NITE LITE & BB-1
			3	4	15	LIGHTING - LOBBY
			5	6	15	LIGHTING - STORAGE 115
			7	8	15	LIGHTING - STORAGE 115
			9	10	15	LIGHTING - STORAGE 129
			11	12	15	LIGHTING - STORAGE 129
			13	14	15	LIGHTING - STORAGE 129
			15	16	15	LIGHTING - STORAGE 129
			17	18		EXISTING
			19	20		
			21	22		
			23	24		
			25	26		
			27	28		
			29	30		
			31	32		
			33	34	100	EXISTING SUB-FED PANEL 2C
			35	36	3P	
FF-1	4000	25	33	34		
			35	36		
RECEPTACLE - STORAGE AREA 115 (4R)	1200	15	37	38		
RECEPTACLE - STORAGE AREA 129 (5R)	1440	15	39	40	100	EXISTING SUB-FED PANEL 2D
RECEPTACLE - TELEPHONE BB (1R)	300	15	41	42	3P	
HTG. KW						
LTG. KW						
MTR. KW						
MISC. KW						
TOTAL KW						

PANEL: 2F (NEW)

VOLTAGE: 120/208 BUS: 225A PHASE: 3 WIRE: 4

DESCRIPTION	LOAD WATTS	BKR SIZE	CIRCUIT	BKR SIZE	LOAD WATTS	DESCRIPTION
RECEPTACLE - STORAGE AREA 311 (5R)	1440	15	1	2	15	NITE LITE & BB-2
RECEPTACLE - STORAGE AREA 301 (2R)	600	15	3	4	15	LIGHTING - STORAGE AREA 311
RECEPTACLE - STORAGE AREA 309 (3R)	900	15	5	6	15	LIGHTING - STORAGE AREA 311
SPACE			7	8	15	LIGHTING - STORAGE AREA 311
SPACE			9	10	15	LIGHTING - STORAGE AREA 311
SPACE			11	12	15	LIGHTING - STORAGE AREA 311
SPACE			13	14	15	LIGHTING - STORAGE AREA 301
SPACE			15	16	15	LIGHTING - STORAGE AREA 301
SPACE			17	18	15	LIGHTING - STORAGE AREA 309
SPACE			19	20	15	LIGHTING - STORAGE AREA 309
SPACE			21	22	15	LIGHTING - STORAGE AREA 309
SPACE			23	24	15	LIGHTING - STORAGE AREA 309
BASEBOARD HEATER - WASHROOM 307	1000	15	25	26	15	LIGHTING - STORAGE AREA 309
		2P	27	28	15	LIGHTING - STORAGE AREA 309
BASEBOARD HEATER - WASHROOM 306	1000	15	29	30	15	LIGHTING - STORAGE AREAS & EF-1,2,3
		2P	31	32	15	NITE LITE & BB-3
BASEBOARD HEATER - JANITOR 305	1000	15	33	34	15	SPARE
		2P	35	36	15	SPARE
			37	38	15	SPARE
HWT-1 JANITOR 305	6000	20	39	40	15	SPARE
		3P	41	42	15	SPARE
HTG.	3.0 KW					
LTG.	14.5 KW					
MTR. KW						
MISC.	8.94 KW					
TOTAL	26.44 KW					

MOTOR/EQUIPMENT SCHEDULE

ITEM	DESCRIPTION	LOCATION	KW/HP/AMPS	VOLTS/Φ	PKG UNIT	STARTER				CONTROLS			REMARKS	SEE NOTES BELOW	
						TYPE	FUNC	PL	PB	HOA	SUPPLY BY	INSTALL BY			WIRE BY
HWT-1	HOT WATER TANK	JANITOR RM. 305 - 3RD FLR.	6KW	208/3							15	16	16		
FF-1	FORCE FLOW HEATER	LOBBY - MAIN FLR.	4KW	208/1							15	16	16		
EF-1	EXHAUST FAN	JANITOR RM. 305 - 3RD FLR.	80W	120/1							15	16	16		
EF-2	EXHAUST FAN	WASHROOM 306 - 3RD FLR.	80W	120/1							15	16	16		
EF-3	EXHAUST FAN	WASHROOM 307 - 3RD FLR.	80W	120/1							15	16	16		
BB-1	BASEBOARD HEATER	JANITOR RM. 305 - 3RD FLR.	1KW	208/1							15	16	16		
BB-2	BASEBOARD HEATER	WASHROOM 306 - 3RD FLR.	1KW	208/1							15	16	16		
BB-3	BASEBOARD HEATER	WASHROOM 307 - 3RD FLR.	1KW	208/1							15	16	16		

GENERAL NOTES:

A. MANUAL MOTOR STARTER TO BE C/W PILOT LIGHT AND OVERCURRENT PROTECTION.
 B. ALL STARTERS TO BE SUPPLIED & INSTALLED BY THE ELECTRICAL CONTRACTOR (DIV. 16) UNLESS OTHERWISE NOTED.
 C. DISCONNECT SWITCHES TO BE SUPPLIED & INSTALLED BY THE ELECT. CONTRACTOR (DIV 16)
 D. ELECTRICAL CONTRACTOR TO PROVIDE CIRCUIT BREAKERS AND WIRING ACCORDING TO THE FINAL NAMEPLATES OF THE MECHANICAL EQUIPMENT AT NO COST.
 E. 15 REFERS TO DIVISION 15000; 16 REFERS TO DIVISION 16000.

MAG = MAGNETIC O = ON/OFF MANUAL CONTROL
 MAN = MANUAL I = INTEGRAL CONTROL
 VFD = VARIABLE FREQUENCY DRIVE F = FLOW SWITCH
 TOG = MOTOR RATED TOGGLE SWITCH T = THERMOSTAT
 Y = YES H = HUMIDISTAT
 DDC = COMPUTER CONTROL SYSTEM
 TC = TIMECLOCK
 MT = MANUAL TIMER
 MS = MANUAL SWITCH
 ESC = ELECTRONIC SPEED CONTROLLER
 TS = TEMPERATURE SENSOR

ORIGINAL STAMPED BY: T. TONTHAT, P. ENG.
 DATE: 2006.11.30

NO.	REVISION/DESCRIPTION	DATE	BY
0	ISSUED FOR TENDER	11/30/06	TT

<p>CONSULTANT</p> <p>TOWER ENGINEERING GROUP</p> <p>208 - 897 CORYDON AVE. WINNIPEG, MB R3M 0W7 TEL: (204) 925-1150 FAX: (204) 925-1155 EMAIL: towereng@towereng.ca WEB: www.towereng.ca</p>	<p>DATE: YEAR/MON/DAY</p> <p>USER APPROVAL</p> <p>CITY OF WINNIPEG PLANNING, PROPERTY & DEVELOPMENT DEPARTMENT CIVIC ACCOMMODATIONS DIVISION 300 - 65 GARRY ST. R3C 4K4</p>
	<p>311 ROSS AVENUE</p>
<p>SEALS</p> <p>APEGM Certified Professional Tower Engineering Group No. 1918 Expiry: April 30, 2007</p>	<p>SHEET TITLE</p> <p>ELECTRICAL SCHEDULES</p>
<p>SCALE</p> <p>AS SHOWN</p>	<p>PROJECT NO.</p> <p>SHEET NO.</p> <p>E-3.0</p>