

PANEL ID: SGR-L71		AMPS: 800A	VOLTS: 600/347V	PHASE: 3Ø	WIRE: 4W	SURF. MOUNT <input checked="" type="checkbox"/>	TOP FED <input type="checkbox"/>								
DESCRIPTION: 600/347V DISTRIBUTION SWITCHGEAR				LOCATION: MAIN FLOOR											
MFG / MODEL: SQUARE D				INTERRUPTING RATING: 25 KA											
MAIN BREAKER: 600A				INST. SETTINGS: N/A											
CCT.	DESCRIPTION	NOTE	WIRE (AWG)	BRKR AMPS	LOAD (KVA)	A	B	C	LOAD (VA)	BRKR AMPS	WIRE (AWG)	NOTE	DESCRIPTION	CCT.	
1	HCE-L63		NOTE 1	50	40										
2	UH-L64		NOTE 1	15	10										
3	MCC-L72E VIA ATS-L72		NOTE 1	600	379										
4	MCC-L72E (BYPASS CONNECTION)		NOTE 1	600	NOTE 2										
TOTAL CONNECTED LOAD:		000.0 KVA		PHASE A: 000.0 KVA		000.0 A				NOTE LEGEND:					
		000.0 A (AVG)		PHASE B: 000.0 KVA		000.0 A				AFCI ARC FAULT CIRCUIT INTERRUPTOR					
		000.0 A (MAX)		PHASE C: 000.0 KVA		000.0 A				GFCI GROUND FAULT CIRCUIT INTERRUPTOR					
										LOCK LOCKED BREAKER					
NOTES:															
1. REFER TO SINGLE LINE DRAWING 1-0130L-E0001 FOR WIRE SIZE.															
2. BYPASS CONNECTION TO MCC-L72E IS NORMALLY OPEN AND THEREFORE NO LOAD IS INDICATED.															

TYPE	MANUFACTURER	MODEL	LAMPS		VOLTS	LOAD VA	MOUNTING	NOTE
			QTY	TYPE				
A	BEGHELLI	HZ100T84HT232W120V	2	T8 32W	120	75	AN	
B	PHILIPS KEENE	WRM40WLU-MC3-FGS-BK-PE	1	LED, 40W	120	40	W	
EA	READY-LITE	NMM2-LD7	2	LED, 4W	12	8	W	1

MOUNTING LEGEND:

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

NOTES:

1. USE 10 AWG RW90 IN 16mm CONDUIT.

PANEL ID: PNL-L73E		AMPS: 225A	VOLTS: 120/208V	PHASE: 3Ø	WIRE: 4W	SURF. MOUNT <input checked="" type="checkbox"/>	TOP FED <input checked="" type="checkbox"/>								
DESCRIPTION: 120/208V DISTRIBUTION PANELBOARD				LOCATION: MAIN FLOOR											
MFG / MODEL: SQUARE D				INTERRUPTING RATING: 10 KA											
MAIN BREAKER: 100A				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	MAIN FLOOR RECEPTACLES		12	15	360				360	15	12	GFCI	MOTOR ROOM RECEPTACLES	2	
3	GENERATOR ROOM RECEPTACLES		12	15	360				360	15	12	GFCI	PUMP ROOM RECEPTACLES	4	
5	GENERATOR ROOM RECEPTACLES		12	15	360				654	15	12		MOTOR AND PUMP ROOM LIGHTING AND ELB-75	6	
7	OUTDOOR LIGHTING		12	15	80				3960	35	8	2	AIR HANDLING UNIT AHU-L65	8	
9	MAIN FLOOR LIGHTING AND ELB-L74		12	15	579				3960	35	8	2	AIR HANDLING UNIT AHU-L65	10	
11	MAIN FLOOR AND PUMP ROOM INTERCOM		12	15	23				3960	35	8	2	AIR HANDLING UNIT AHU-L65	12	
13	VENTILATION PANEL JBA-L86		12	15	100				250	15	12		CONTROL PANEL CP-L81, TVSS01	14	
15	SUPPLY FAN SF-L62		12	15	750				250	15	12		CONTROL PANEL CP-L81, TVSS02	16	
17	PUMP ROOM SUMP PUMP		12	15	1400				XXX	XX	XX	1	GENERATOR GEN-L72 BATTERY CHARGER	18	
19	SPARE			15					XXX	XX	XX	1	GENERATOR GEN-L72 ALTERNATOR HEATER	20	
21	SPARE			15					XXX	XX	XX	1	GENERATOR GEN-L72 ALTERNATOR HEATER	22	
23	SPARE			15					XXX	XX	XX	1	GENERATOR GEN-L72 ALTERNATOR HEATER	24	
25	SPARE			15					XXX	XX	XX	1	GENERATOR GEN-L72 ENGINE BLOCK HEATER	26	
27	SPARE								XXX	XX	XX	1	GENERATOR GEN-L72 ENGINE BLOCK HEATER	28	
29	SPARE								XXX	XX	XX	1	GENERATOR GEN-L72 ENGINE BLOCK HEATER	30	
TOTAL CONNECTED LOAD:		000.0 KVA		PHASE A: 000.0 KVA		000.0 A				NOTE LEGEND:					
		000.0 A (AVG)		PHASE B: 000.0 KVA		000.0 A				AFCI ARC FAULT CIRCUIT INTERRUPTOR					
		000.0 A (MAX)		PHASE C: 000.0 KVA		000.0 A				GFCI GROUND FAULT CIRCUIT INTERRUPTOR					
										LOCK LOCKED BREAKER					
NOTES:															
1. CONTRACTOR RESPONSIBLE FOR COORDINATING WITH GENERATOR SUPPLIER TO DETERMINE CIRCUIT BREAKER AND CABLING REQUIREMENTS. HEATERS MAY BE 1Ø OR 3Ø.															
2. PROVIDE MINIMUM 10 AWG GROUND CABLE TO AHU-L65, AS PER MANUFACTURER'S REQUIREMENTS.															

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-L74	READY-LITE	LDX12-108NM2LD7	120	30	12	2	LED, 4W	2	16	16	>4.0 HRS	1
ELB-L75	READY-LITE	LDX12-108NM2LD7	120	30	12	2	LED, 4W	3	24	32	>3.0 HRS	1

NOTES:

1. BATTERY RATED FOR 30 MINUTES @ 108W.



SNC-Lavalin Inc. 148 Nature Park Way Winnipeg, MB, Canada R3P 0X7 204-786-8080		ENGINEER'S SEAL	THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT
DESIGNED BY: B. CLEVEN CHECKED BY: T. CHURCH DRAWN BY: Y. KONIG APPROVED BY: B. CLEVEN SCALE: NTS ISSUED FOR CONSTRUCTION BY: DATE: 2017/02/06		PRELIMINARY NOT TO BE USED FOR CONSTRUCTION	
00 ISSUED FOR TENDER, BID OPP. 639-2017 2017-07-25 BJC TMC		CONSULTANT NO.:	CITY DRAWING NUMBER 1-0130L-E0008
NO. REVISIONS DATE DESIGN CHECK		SHEET REV. SIZE 001 00 A1	1-0130L-E0008-001-00.dwg