

PANEL ID: PNL-F72		AMPS: 100A	VOLTS: 120/240V	PHASE: 1Ø	WIRE: 3W	SURF. MOUNT <input checked="" type="checkbox"/>	TOP FED <input checked="" type="checkbox"/>								
DESCRIPTION: 120/240V DISTRIBUTION PANELBOARD		LOCATION: ELECTRICAL ROOM													
MFG / MODEL: SQUARE D NF		INTERRUPTING RATING: 14 kA													
MAIN BREAKER: 100A		INST. SETTINGS: N/A													
OCT.	DESCRIPTION	NOTE	WIRE (AWG)	BRKR AMPS	LOAD (VA)	L1	L2	LOAD (VA)	BRKR AMPS	WIRE (AWG)	NOTE	DESCRIPTION	OCT.		
1	DRY WELL UNIT HEATER	2	8	30-2P	2500			370	15	12		ELECTRICAL ROOM LIGHTS & ELB-F73	2		
3	DRY WELL UNIT HEATER	2	8	30-2P	2500			240	15	12		OUTDOOR RECEPTACLES	4		
5	ELECTRICAL ROOM RECEPTACLES		12	15	240			240	15	12		ELECTRICAL ROOM RECEPTACLES	6		
7	COMBINED SEWER OVERFLOW (CSO) PNL		12	15	150			240	15	12		MOTOR ROOM RECEPTACLES	8		
9	DRY WELL LIGHTS	2	12	15	240			240	15	12	2	DRY WELL RECEPTACLES	10		
11	SKV SWITCHGEAR SGR-F70 HEATERS		10	15	1000			240	15	12	2	DRY WELL RECEPTACLES	12		
13	REMOTE TERMINAL UNIT (RTU) PANEL		12	15	150			280	15	12		MOTOR ROOM LIGHTS	14		
15	ELECTRICAL ROOM SUPPLY FAN SF-F61		12	15	370			120	15	12		DOMESTIC WATER HEAT TRACE	16		
17	OUTDOOR LIGHTS		12	15	210			240	15	12		MOTOR ROOM RECEPTACLES	18		
19	SPACE											SPACE	20		
21	SPACE											SPACE	22		
23	SPACE											SPACE	24		
25	SPACE											SPACE	26		
27	SPACE											SPACE	28		
29	SPACE											SPACE	30		
31	SPACE											SPACE	32		
33	SPACE											SPACE	34		
35	SPACE											SPACE	36		
37	SPACE											SPACE	38		
39	SPACE											SPACE	40		
41	SPACE											SPACE	42		
TOTAL CONNECTED LOAD:			9.56 kVA	LINE 1:	4.71 kVA	39.3 A	NOTE LEGEND:								
			58.3 A (AVG)	LINE 2:	4.86 kVA	40.5 A	AFCI ARC FAULT CIRCUIT INTERRUPTOR								
			79.8 A (MAX)							GFCI GROUND FAULT CIRCUIT INTERRUPTOR					
									LOCK LOCKED BREAKER						
NOTES:															
1. ALL BREAKERS ARE SINGLE-POLE UNLESS OTHERWISE IDENTIFIED.															
2. CONNECT CABLE/WIRING INTO PNL-F72 JUNCTION BOX FOR TIE IN TO EXISTING DRY WELL LOADS. REFER TO DRAWING 1-0179F-E0019 FOR DETAILS.															

TYPE	MANUFACTURER	MODEL	LAMPS		VOLTS	LOAD VA	MOUNTING	NOTE
			QTY	TYPE				
A	EATON	4VT2-LD4-8-DR-UNV-LB40-CD1-U	3	LED, 38W	120	240	AN	
B	PHILIPS-KEENE	553LED32704K120PCBP C/W P105A AND 535	3	LED	120	68	W	1
EA	READY-LITE	NMM2-LD7	1	LED, 4W	12	8	W	2

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:

- COMES WITH INTEGRATED PHOTOCELL AND LEXAN SHIELD
- USE 10 AWG, RW90 IN 21mm CONDUIT.

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-F73	READY-LITE	LDX12-108NM2LD7	120	30	12	1	LED, 4W	1	8	16	>4.0 HRS	1

NOTES:

- BATTERY RATED FOR 30 MIN. @ 108W.

1-0179F-E0019	PNL-F72 JUNCTION BOX LAYOUT AND CONNECTION DIAGRAM
1-0179F-E0008	ELECTRICAL PLAN LAYOUT MAIN AND LOWER LEVEL FLOOR
1-0179F-E0003	ELECTRICAL SINGLE LINE
DRAWING NUMBER	REFERENCE DRAWINGS



		SNC-LAVALIN INC. 148 Nature Park Way Winnipeg, MB, Canada R3P 0X7 204-786-8080		ENGINEER'S SEAL 			
DESIGNED BY:	K. SAPIAK	CHECKED BY:	B. CLEVEN	ROLAND FLOOD PUMPING STATION 2019 UPGRADES ELECTRICAL SCHEDULES			
DRAWN BY:	K. SAPIAK	APPROVED BY:	B. CLEVEN				
SCALE:	NTS	ISSUED FOR CONSTRUCTION BY:	K. ZUREK				
DATE:	2018/07/13	DATE:	2018/12/14				
NO.	ISSUED FOR TENDER AND CONSTRUCTION	DATE	2018/12/14	KS	BC	CONSULTANT NO.:	
NO.	REVISIONS	DATE		DESIGN	CHECK		
CITY DRAWING NUMBER				SHEET	REV.	SIZE	
1-0179F-E0013				001	00	A1	