

3

PANEL ID:PNL-A

AMPS:225A

VOLTS:120/208V

PHASE:3 Ø

WIRE:4

SURF. MOUNT☒FLUSH MOUNT☐

TOP FED☐BOT. FED☒

DESCRIPTION:120/208V PANELBOARD

LOCATION:ELECTRICAL ROOM

MFG / MODEL:SIEMENS NLAB

INTERRUPTING RATING:10 kA

MAIN BREAKER:NONE

INST. SETTINGS:N/A

OCT.	DESCRIPTION	NOTE	WIRE (AWG)	BRKR AMPS	LOAD (VA)	A	B	C	LOAD (VA)	BRKR AMPS	WIRE (AWG)	NOTE	DESCRIPTION	OCT.
1	RK2 VESTIBULE HEATER		10	30	2000					15	12		SUMP PUMP P-M500	2
3	4K2 VESTIBULE HEATER				2000					15	12		CONTROL PANEL MP500	4
5	SPACE									15	12		SUMP PUMP	6
7	HEAT TRACE, TEMP. CONT. TC-C5302		12	15						20	12		ROOFTOP RECEPTACLE	8
9	HEAT TRACE, TEMP. CONT. TC-C5303		12	15						20	12		ROOFTOP RECEPTACLE	10
11	SPACE									20	12		ROOFTOP RECEPTACLE	12
13	SPACE									20	12		ROOFTOP RECEPTACLE	14
15	SPACE									20	12		ROOFTOP RECEPTACLE	16
17	SPACE								1000	15	12		HTR-C663	18
19	SPACE								1000					20
21	SPACE								1000	15	12		HTR-C664	22
23	SPACE								1000					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
43	SPACE									15			SEWAGE PUMP	44
45	SPACE												SPACE	46
47	SPACE												SPACE	48
49	SPACE												SPACE	50
51	SPACE												SPACE	52
53	SPACE												SPACE	54
55	SPACE												SPACE	56
57	SPACE												SPACE	58
59	SPACE												SPACE	60
61	SPACE												SPACE	62
63	SPACE												SPACE	64
65	SPACE												SPACE	66
67	SPACE												SPACE	68
69	SPACE												SPACE	70
71	SPACE												SPACE	72
73	SPACE												SPACE	74
75	SPACE												SPACE	76
77	SPACE												SPACE	78
79	SPACE												SPACE	80
81	SPACE												SPACE	82
83	SPACE												SPACE	84

TOTAL CONNECTED LOAD:– kVA

PHASE A:– kVA– A

PHASE B:– kVA– A

PHASE C:– kVA– A

NOTE LEGEND:

AFCI ARC FAULT CIRCUIT INTERRUPTOR

GFCI GROUND FAULT CIRCUIT INTERRUPTOR

LKON LOCKED ON BREAKER

LKOR RED LOCKED ON BREAKER

NOTES:

SPECIFIC NOTES:

- CONTRACTOR TO PROVIDE ALL BREAKERS, CONDUIT AND CABLING REQUIRED TO SUPPLY ALL NEW LOADS CONNECTED TO PANELBOARD PNL-A.
- PROVIDE FEED FOR HEAT TRACE CONTROLLER FOR TONNER ROOM VESTIBULE DRAINAGE PIPE. REFER TO DRAWING 1-0650M-E0046 AND E0047 FOR MORE DETAILS.
- PANELBOARD SCHEDULES UPDATED TO REFLECT CURRENT LOAD CONFIGURATIONS. CONTRACTOR TO PROVIDE UPDATED TYPEWRITTEN PANEL SCHEDULES ONCE CONSTRUCTION IS COMPLETED.

NOTES:

- THIS DRAWING SUPERCEDES PART OF DRAWING HURST-37.
- THIS DRAWING IS BASED UPON EXISTING DOCUMENTATION.
- WHERE NOT SHOWN, EXISTING LOADS HAVE NOT BEEN CALCULATED.



3	PANEL ID: PNL-B	AMPS: 225A	VOLTS: 120/208V	PHASE: 3 Ø	WIRE: 4	SURF. MOUNT ☒ FLUSH MOUNT ☐	TOP FED ☐ BOT. FED ☒												
DESCRIPTION: 120/208V PANELBOARD				LOCATION: ELECTRICAL ROOM															
MFG / MODEL: SIEMENS NLAB				INTERRUPTING RATING: 10 kA															
MAIN BREAKER: NONE				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	PUMP FLOOR LIGHTS		12	15				15	12		PUMP FLOOR LIGHTS	2							
3	PUMP FLOOR LIGHTS		12	15				5	12		PUMP FLOOR LIGHTS	4							
5	PUMP FLOOR LIGHTS		12	15				15	12		PUMP FLOOR LIGHTS	6							
7	PUMP FLOOR LIGHTS		12	15				15	12		PUMP FLOOR LIGHTS	8							
9	PUMP FLOOR LIGHTS		12	15				15	12		PUMP FLOOR LIGHTS	10							
11	PUMP FLOOR LIGHTS		12	15				15	12		BATTERY PACK BEHIND 4160 SWITCHGEAR	12							
13	SPARE		-	15				15	12		OUTSIDE DOOR LIGHTS AND RECEPTACLE BY OVERHEAD DOOR	14							
15	GEN. BLOCK HEATER EAST		12	15				15	12		CL2 STORAGE LIGHTS	16							
17	GEN. BLOCK HEATER WEST		12	15				15	12		CL2 STORAGE LIGHTS	18							
19	GEN. BLOCK HEATER		12	15				15	12		CL2 ROOM LIGHTS	20							
21	SPARE		12	15				15	12		CL2 ROOM LIGHTS	22							
23	CL2 ROOM FAN AND PLUG		12	15			1200	15	12		CAR PLUG	24							
25	WASHROOM LIGHTS		12	15			1200	15	12		CAR PLUG	26							
27	WASHROOM LIGHTS EAST BASEMENT		12	15				15	12		WEST CONTROL ROOM RECEPTACLE	28							
29	WASHROOM LIGHTS WEST BASEMENT		12	15				15	12		PP-14 MOTOR HEATER	30							
31	FLOOD LIGHTS		121	15				15	12		PP-16 MOTOR HEATER	32							
33	FLOOD LIGHTS		12	15				15	12		PP-12 MOTOR HEATER	34							
35	CRAWLSPACE LIGHTS		12	15				15	12		SPARE TO JB BASEMENT	36							
37	CRAWLSPACE LIGHTS		12	15				15	12		SPARE	38							
39	AIR DRYER 1& 2		12	15				15	12		SPARE	40							
41	AIR DRYER 1& 2		12	15				15	12		WASHROOM EXHAUST FAN	42							
43	HEATER TRANS. #1			15				15			HEATER TRANS. #2	44							
45												46							
47	LIGHTS/BATTERY PACK RM 100,102			15				15			SPARE CRAWL SPACE JB	48							
49	LIGHTS STAIRS 103			15				15			UNKNOWN LOAD	50							
51	SPARE CRAWL SPACE JB			15								52							
53	SPARE CRAWL SPACE JB			15							SPACE	54							
55	UNKNOWN LOAD			15							SPACE	56							
57	SPACE										SPACE	58							
59	SPACE										SPACE	60							
61	SPACE										SPACE	62							
63	SPACE										SPACE	64							
65	SPACE										SPACE	66							
67	SPACE										SPACE	68							
69	SPACE										SPACE	70							
71	SPACE										SPACE	72							
73	SPACE										SPACE	74							
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83	SPACE										SPACE	84							
TOTAL CONNECTED LOAD: - KVA				PHASE A: - kVA - A				PHASE B: - kVA - A				PHASE C: - kVA - A				NOTE LEGEND: AFCI ARC FAULT CIRCUIT INTERRUPTOR GFCI GROUND FAULT CIRCUIT INTERRUPTOR LKON LOCKED ON BREAKER LKOR RED LOCKED ON BREAKER			
NOTES:																			

				AtkinsRéalis 148 Nature Park Way, Winnipeg, Manitoba Canada R3P 0X7 204-786-8080		ENGINEER'S SEAL		THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT				
				DESIGNED BY: V. ELIMBAN	CHECKED BY: C. REIMER	HURST PUMPING STATION ELECTRICAL SCHEDULES 120V PANELBOARDS						
				DRAWN BY: M.J. PERSSON	APPROVED BY: C. REIMER							
				SCALE: NTS	ISSUED FOR CONSTRUCTION BY: M. SKINNER							
				DATE: 2011/11/29	DATE: 2025/04/30							
01 ISSUED FOR TENDER AND CONSTRUCTION				2025/04/30	VE	VE	CONSULTANT NO.: 113292-0016-47DD-0020					
00 ISSUED FOR CONSTRUCTION				2012/05/14	VE	CJR						
NO. REVISIONS				DATE	DESIGN	CHECK						
								CITY DRAWING NUMBER 1-0650M-E0041		SHEET 001	REV. 01	SIZE A1