

**CONSTRUCTION NOTES:**

- ① CONTRACTOR TO PROVIDE A 20A, 1P CIRCUIT BREAKER CONNECTING THE HEATER IN THE 5KV SWITCHGEAR. MATCH EXISTING MAKE, MODEL AND KAIC RATING.
- ② LOAD UNKNOWN, CONTRACTOR SHALL VERIFY THE LOAD AND UPDATE SCHEDULE ONSITE.
- ③ CONTRACTOR SHALL CONFIRM ALL LOADS CONNECTED TO THE BREAKER AND UPDATE THE PANEL SCHEDULE.
- ④ CONTRACTOR SHALL UPDATE THE AS BUILTS FOR ANY INCONSISTENCIES THAT ARE FOUND ON SITE.

PANEL ID: <b>PANEL F10</b>		AMPS: 200A	VOLTS: 120/208V	PHASE: 3Ø	WIRE: 4W	SURF. MOUNT <input checked="" type="checkbox"/>	FLUSH MOUNT <input type="checkbox"/>	TOP FED <input checked="" type="checkbox"/>	BOT. FED <input type="checkbox"/>							
DESCRIPTION: 120/240V DISTRIBUTION PANELBOARD					LOCATION: ELECTRICAL ROOM											
MFG / MODEL: SQUARE D NQ					INTERRUPTING RATING: 10 kA											
MAIN BREAKER:					INST. SETTINGS: N/A											
CCT.	DESCRIPTION	NOTE	WIRE (AWG)	BRKR AMPS	LOAD (VA)	L1	L2	L3	LOAD (VA)	BRKR AMPS	WIRE (AWG)	NOTE	DESCRIPTION	CCT.		
1	MAIN FLOOR LIGHTS	2	12	15A						15A	12	2	PANEL PLUG	2		
3	CONSTR. HEATER	2	12	15A 2P						15A	12	2	MAIN FLOOR PLUG	4		
5	BLOWER	2	12	15A						15A	12	2	GLAND WATER	6		
7	LOWER PLUG	2	12	15A						30A			SPACE	8		
9	SUMP PUMP	2	12	15A						-			SPACE	10		
11	LOWER LIGHTS	2	12	15A						-			SPACE	12		
13	ALARM PANEL	2	12	15A						-			SPACE	14		
15	-	2	12	15A						-			SPACE	16		
17	PARK LIGHTING CONTROL CIRCUIT	2	12	15A						-			SPACE	18		
19	EXTERIOR PLUG	2	12	15A						-			SPACE	20		
21	EXTERIOR PLUG	2	12	15A						-			SPACE	22		
23	EXTERIOR PLUG	2	12	15A						-			SPACE	24		
25	SGR-F70 5KV SWITCHGEAR HEATER	12	20	1500						-			SPACE	26		
27	SPARE									-			SPACE	28		
29	SPARE									-			SPACE	30		
31	SPARE									-			SPACE	32		
33	SPARE									-			SPACE	34		
35	SPARE									-			SPACE	36		
37	SPARE									-			SPACE	38		
39	SPARE									-			SPACE	40		
41	SPARE									-			SPACE	42		
TOTAL CONNECTED LOAD:			KVA	LINE 1:	KVA	A	NOTE LEGEND:			AFCI ARC FAULT CIRCUIT INTERRUPTOR GFCI GROUND FAULT CIRCUIT INTERRUPTOR LOCK LOCKED BREAKER						
			A (AVG)	LINE 2:	KVA	A										
			A (MAX)	LINE 3:												
NOTES:																
1. THIS IS AN EXISTING PANELBOARD.																
2. ALL CABLES/WIRING SIZES CONNECTED TO PANEL ARE ASSUMED.																
3. ALL BRANCH BREAKERS ARE SINGLE POLE UNLESS OTHERWISE IDENTIFIED.																

1-0132F-E0004-001	CORNISH FLOOD PUMPING STATION 5KV SWITCHGEAR THREE- LINE SCHEMATIC
1-0132F-E0001-001	CORNISH FLOOD PUMPING STATION SINGLE LINE DIAGRAM
DRAWING NUMBER	REFERENCE DRAWINGS



00	ISSUED FOR CLIENT REVIEW	2024/11/29	PG	VE
NO.	REVISIONS	DATE	DESIGN	CHECK

<b>AtkinsRéalis</b> 148 Nature Park Way, Winnipeg, Manitoba Canada R3P 0X7 204-786-8080	
DESIGNED BY: P.GILL	CHECKED BY: V. ELIMBAN
DRAWN BY: P.GILL	APPROVED BY: D. BECKER
SCALE: NTS	ISSUED FOR CONSTRUCTION BY: B. SOLOWAY
DATE: 2024/11/18	DATE: 2024/12/20
CONSULTANT NO.: 701408	

<b>THE CITY OF WINNIPEG</b> WATER AND WASTE DEPARTMENT			
CORNISH FLOOD PUMPING STATION 2025 TRANSFORMER REMEDIATION UPGRADES PANEL F10 PANEL SCHEDULE			
CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0132F-E0005	001	00	A1