

1-0128F-E0004-001	COLONY FLOOD PUMPING STATION 5KV SWITCHGEAR THREE-LINE SCHEMATIC
1-0128F-E0001-001	COLONY FLOOD PUMPING STATION SINGLE LINE DIAGRAM
DRAWING NUMBER	REFERENCE DRAWINGS

③ ④

PANEL ID: PANEL F10		AMPS: 200A	VOLTS: 120/240V	PHASE: 1Ø	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	SUMP PUMP		2	12	15A					15A	12	2	UPSTAIR LIGHTS	2		
3	DOWN STAIR RECEPTACLE		2	12	15A					15A	12	2	RECEPTACLE	4		
5	DOWN STAIR LIGHTS		2	12						15A	12	2	-	6		
7	CONTROL CABINET		2	12	15A								EXHAUST FAN	8		
9	RIVER BANK SECURITY LIGHT		2	12	15A								SPACE	10		
11	SGR-F70 5KV SWITCHGEAR HEATER		2	12	20A	1500							SPACE	12		
13	SPACE												CSO PANEL	14		
15	SPACE									30A			HEATER RECEPT	16		
17	SPACE									2P				18		
19	SPACE									30A			HEATER RECEPT	20		
21	SPACE									2P				22		
23	RECEPTACLE BY GATE		2	12	-								-	24		
TOTAL CONNECTED LOAD:			KVA	LINE 1:	KVA	A	NOTE LEGEND:									
			A (AVG)	LINE 2:	KVA	A	AFCI ARC FAULT CIRCUIT INTERRUPTOR									
			A (MAX)	LINE 3:			GFCI GROUND FAULT CIRCUIT INTERRUPTOR									
							LOCK LOCKED BREAKER									
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.																

- CONSTRUCTION NOTES:**
- ① CONTRACTOR TO PROVIDE 20A, 1P CIRCUIT BREAKER CONNECTING THE HEATER IN THE 5KV SWITCHGEAR. MATCH EXISTING BREAKER 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.



00	ISSUED FOR TENDER AND CONSTRUCTION	2024/12/20	PG	VE
NO.	REVISIONS	DATE	DESIGN	CHECK

AtkinsRéalis
 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.:

ENGINEER'S SEAL

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT

COLONY FLOOD PUMPING STATION
 2025 TRANSFORMER REMEDIATION UPGRADES
 PANEL F10
 PANEL SCHEDULE

CITY DRAWING NUMBER: 1-0128F-E0005
 SHEET: 001
 REV: 00
 SIZE: A1