

1-0142F-E0004-001	GALT FLOOD PUMPING STATION 5KV SWITCHGEAR THREE-LINE SCHEMATIC
1-0142F-E0001-001	GALT FLOOD PUMPING STATION SINGLE LINE DIAGRAM
DRAWING NUMBER	REFERENCE DRAWINGS

3 4

PANEL ID: <b>PANEL F10</b>		AMPS: 200A	VOLTS: 120/240V	PHASE: 1Ø	WIRE: 4W	SURF. MOUNT <input checked="" type="checkbox"/>	TOP FED <input checked="" type="checkbox"/>	FLUSH MOUNT <input 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	20A RECEPT AT PANEL	1	12	15A 2P					300	15A	12	1	PLUG AT PANEL	2
3									300	15A	12	1	LIGHTS AND DAWN STAIR PLUG	4
5	30A HEATER RECEPTACLE	1	12	15A 2P					300	15A	12	1	DRYWELL PLUG AND SUMP	6
7									1000	15A	8	1	FAN	8
9	PLUG UNDER CONTROL PANEL	1	12	15A					1000	15A	8	1	CSO PANEL	10
11	CONTROL PANEL	1	12	15A					1000	15A	8	1	EXTERIOR LIGHTING	12
13	SPACE	1	12	15A					20A	12	1	1	SCULPTURE LIGHTING	14
15	SPACE	1	12	15A					1500	20A	12	1	SGR-F1 5KV SWITCHGEAR HEATER	16
17									20A					18
19	240V 1PH SP-1 (FAN)	1	12	15A 2P						2P				20
TOTAL CONNECTED LOAD:					NOTE LEGEND:									
KVA		LINE 1:		KVA		A			AFCI ARC FAULT CIRCUIT INTERRUPTOR					
A (AVG)		LINE 2:		KVA		A			GFCI GROUND FAULT CIRCUIT INTERRUPTOR					
A (MAX)		LINE 3:							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.														

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CONSTRUCTION NOTES:

- 1 CONTRACTOR TO PROVIDE 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.



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.: 123456-0000-40DD-0001

ENGINEER'S SEAL

**THE CITY OF WINNIPEG**  
 WATER AND WASTE DEPARTMENT

GALT FLOOD PUMPING STATION  
 2025 TRANSFORMER REMEDIATION UPGRADES  
 PANEL F-10  
 PANEL SCHEDULE

CITY DRAWING NUMBER: 1-0142F-E0005  
 SHEET: 001  
 REV: 00  
 SIZE: A1