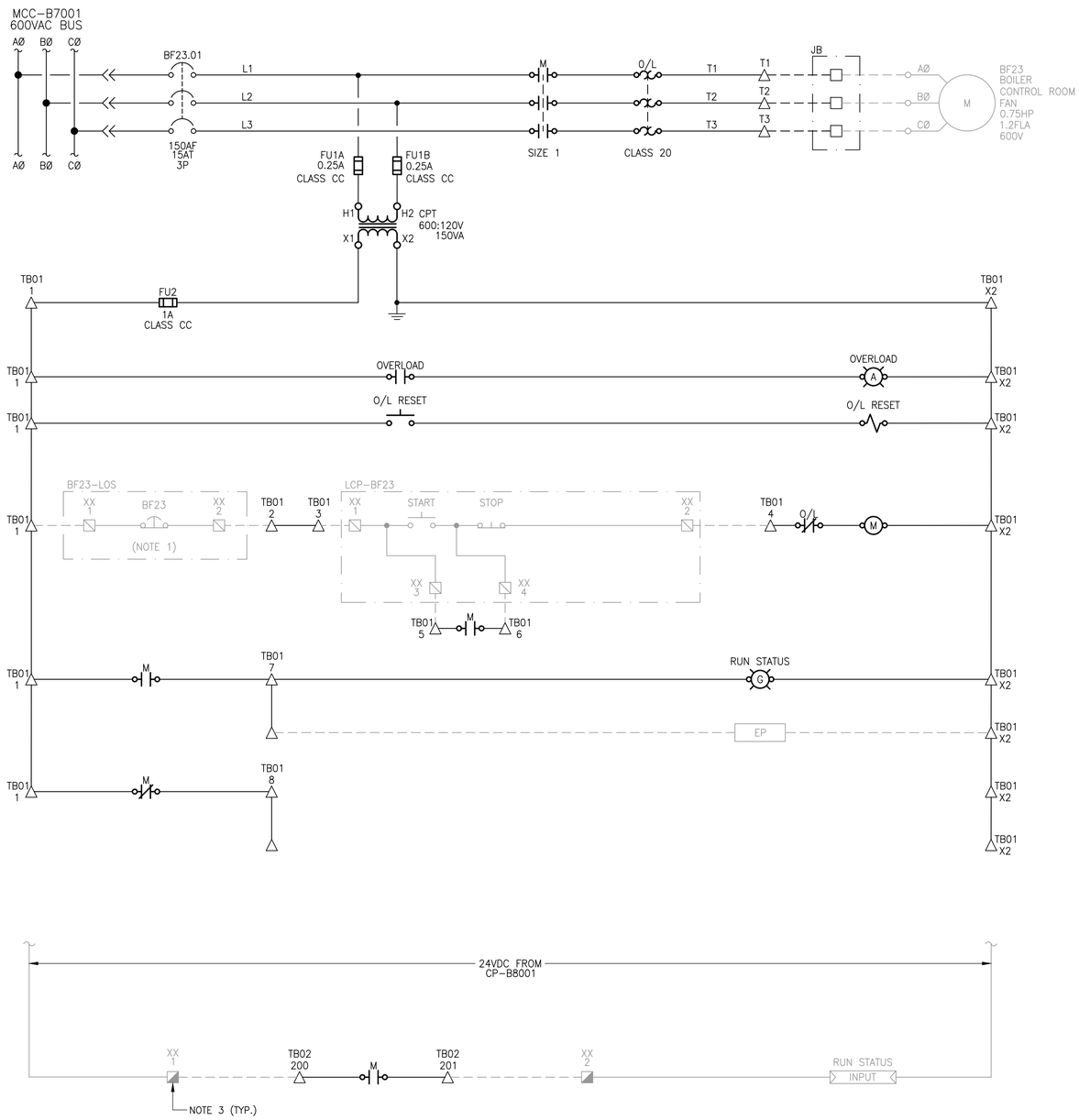
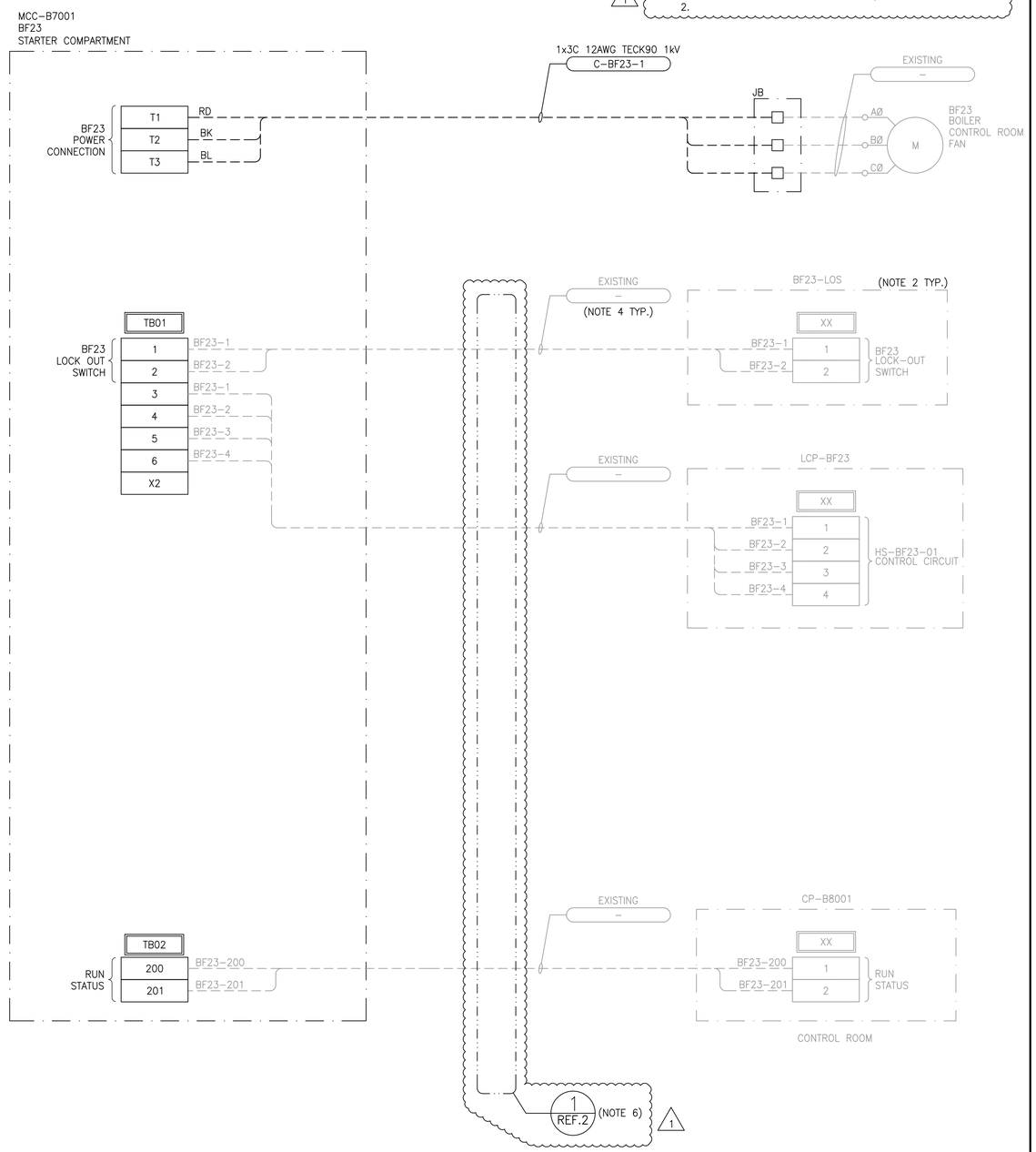
ELEMENTARY DIAGRAM:



FIELD CONNECTION DIAGRAM:



GENERAL NOTES:

1. LOCK–OUT SWITCH LOCATED AT MOTOR.
2. PRIOR TO DEMOLITION LOCAL CONTROL PANEL TERMINALS TO BE VERIFIED BY CONTRACTOR DURING INSTALLATION.
3. TO PLC DISCRETE INPUT. TERMINAL BLOCK NUMBERS TO COORDINATE WITH DCS MIGRATION PROJECT.
4. PRIOR TO DEMOLITION FIELD CABLE TAGS TO BE VERIFIED BY CONTRACTOR DURING INSTALLATION.
5. GREY LINETYPE DENOTES EXISTING. ENGINEER'S SEAL APPLIES TO NEW WORKS ONLY.
6. WHERE FIELD CONDITIONS NECESSITATE AN EXTENSION TO EXISTING CABLES IN ORDER TO REACH NEW MCC, SEE REFERENCE DRAWING 2.

NO.	DRAWING NUMBER	REFERENCE DRAWING TITLE
10	–	–
9	–	–
8	–	–
7	–	–
6	–	–
5	–	–
4	–	–
3	–	–
2	1–0101–EMCL–B034–001	ELECTRICAL – SCHEMATIC WIRING DIAGRAM DETAILS – TYPICAL EXISITING WIRING
1	1–0101–ESLD–B001–001	ELECTRICAL – MCC–B7001 SINGLE LINE DIAGRAM

REFERENCE DRAWINGS

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
KGS Group
No. 245

B.M.
ELEV.

CONSTRUCTION COMPLETION DATE: YYYY MM DD

NO.	REVISIONS	DATE	BY
1	RE–ISSUED FOR CONSTRUCTION	2025 04 30	CLR
0	ISSUED FOR CONSTRUCTION	2025 03 25	CLR

KGS GROUP

DESIGNED BY	AMS	CHECKED BY	CLR
DRAWN BY	FA	APPROVED BY	CLR
SCALE:	N.T.S.	RELEASED FOR CONSTRUCTION	
DATE	2025 03 26	DATE	

PLOT DATE: 2025 04 30

ENGINEER'S SEAL
PROVINCE OF MANITOBA
C.L. ROBINSON
MEMBER
35963
2025-04-30
REGISTERED PROFESSIONAL ENGINEER
CLR

CONSULTANT DRAWING NUMBER
23–0107–010_PB_E2–11

BID OPPORTUNITY: 277–2025
CONTRACT NUMBER:

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

NORTH END SEWAGE TREATMENT PLANT (NEWPCC)
BACKUP BOILER SYSTEM
AREA B – BOILER ROOM
ELECTRICAL
SCHEMATIC WIRING DIAGRAM – BF23 BOILER CONTROL ROOM FAN

CITY DRAWING NUMBER: 1–0101–EMCL–B011–001
SHEET 1 OF 1

FILE PATH: R:\Projects\2023\23–0107–010\Dwg\Elec\2_PermBoiler\
FILE NAME: 1–0101–EMCL–B011–001.DWG