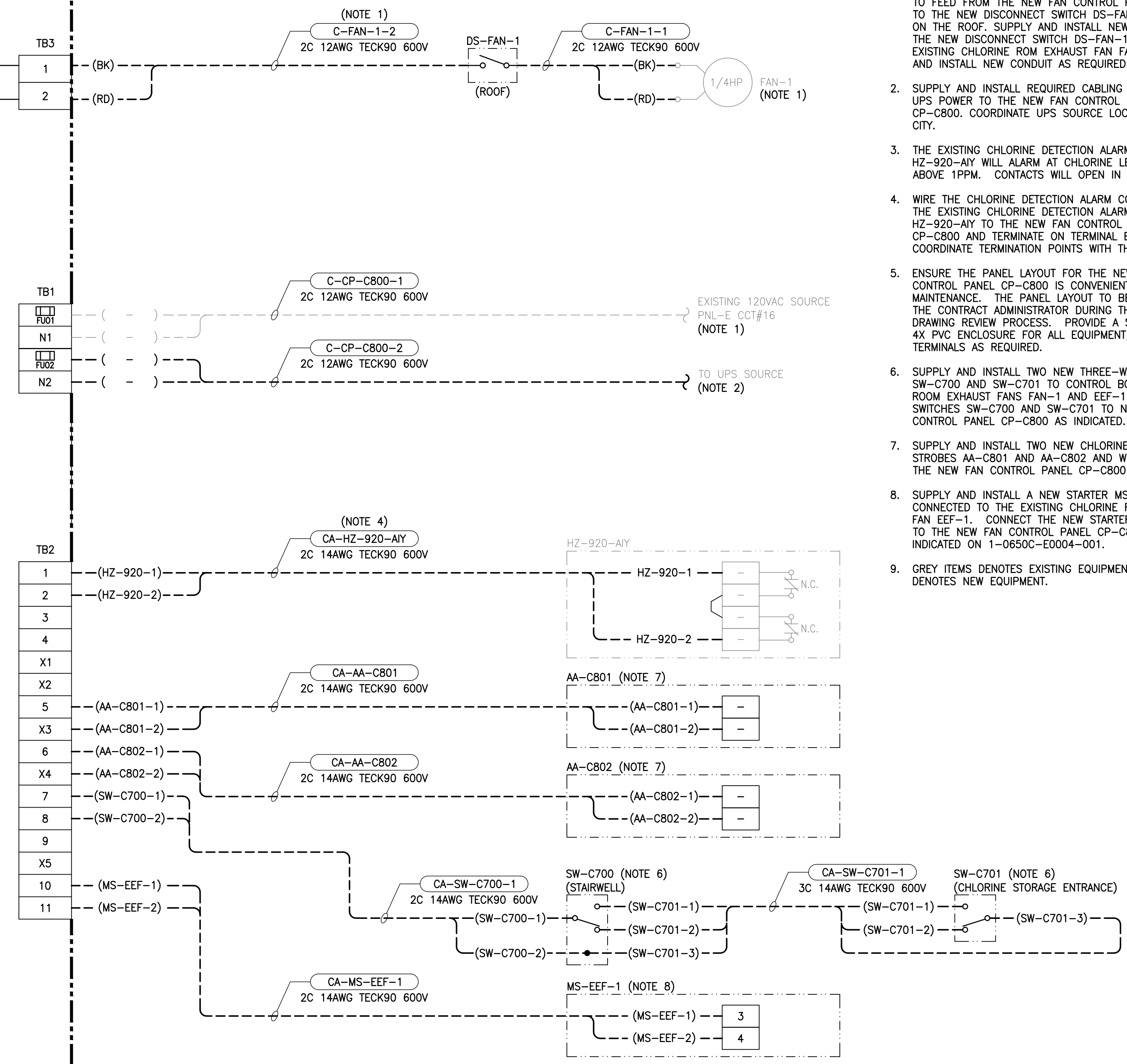
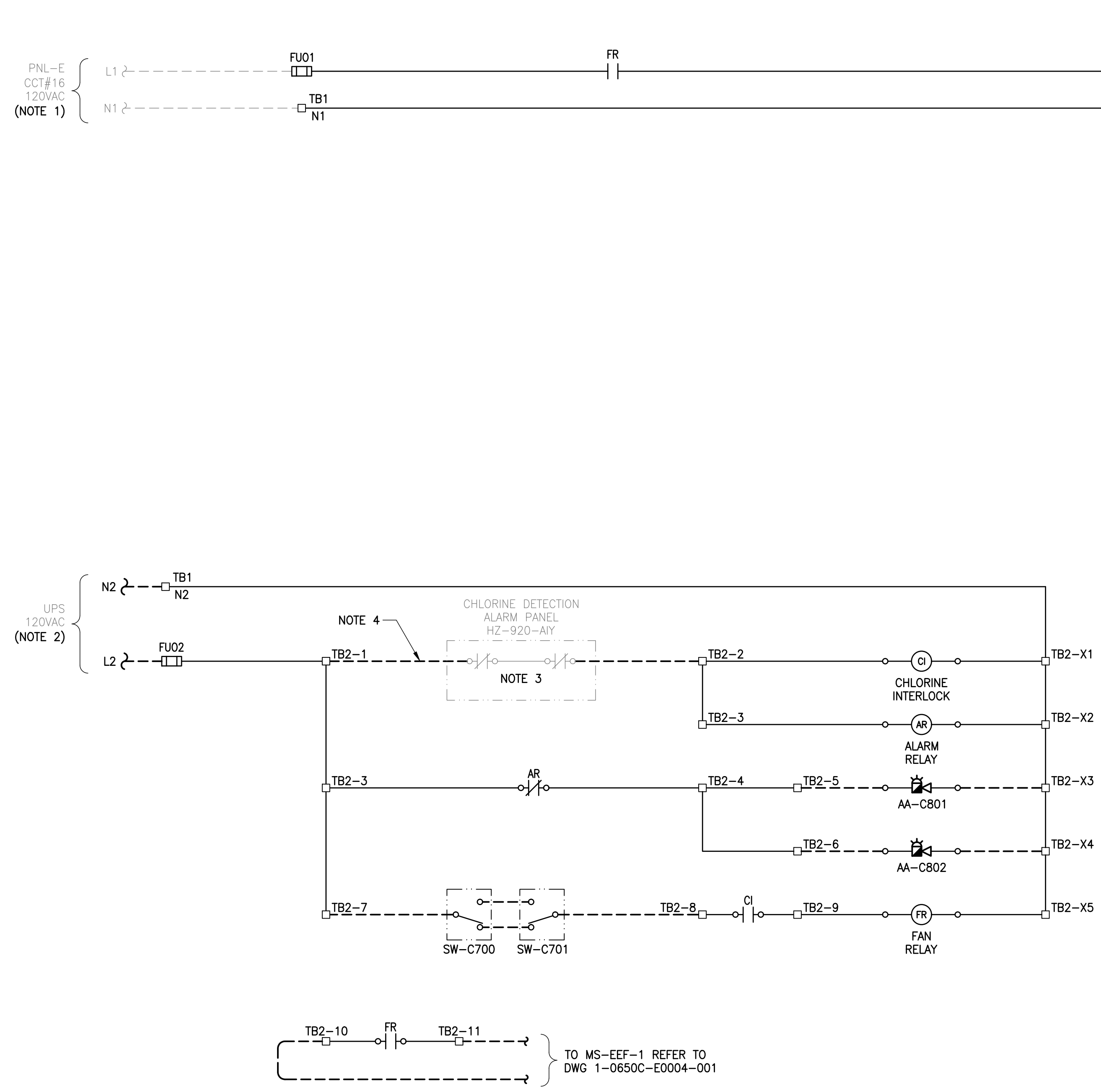


SCHEMATIC WIRING



- NOTES:**
- POWER THE NEW FAN CONTROL PANEL CP-C800 FROM PANEL PNL-E UTILIZING THE EXISTING 120VAC FEED USED TO POWER THE EXISTING CHLORINE ROOM EXHAUST FAN FAN-1. SUPPLY AND INSTALL NEW CABLE TO FEED FROM THE NEW FAN CONTROL PANEL CP-C800 TO THE NEW DISCONNECT SWITCH DS-FAN-1 LOCATED ON THE ROOF. SUPPLY AND INSTALL NEW CABLE FROM THE NEW DISCONNECT SWITCH DS-FAN-1 TO THE EXISTING CHLORINE ROOM EXHAUST FAN FAN-1. SUPPLY AND INSTALL NEW CONDUIT AS REQUIRED.
 - SUPPLY AND INSTALL REQUIRED CABLING TO PROVIDE UPS POWER TO THE NEW FAN CONTROL PANEL CP-C800. COORDINATE UPS SOURCE LOCATION WITH THE CITY.
 - THE EXISTING CHLORINE DETECTION ALARM PANEL HZ-920-AIY WILL ALARM AT CHLORINE LEVELS AT OR ABOVE 1PPM. CONTACTS WILL OPEN IN ALARM STATE.
 - WIRE THE CHLORINE DETECTION ALARM CONTACTS FROM THE EXISTING CHLORINE DETECTION ALARM PANEL HZ-920-AIY TO THE NEW FAN CONTROL PANEL CP-C800 AND TERMINATE ON TERMINAL BLOCKS. COORDINATE TERMINATION POINTS WITH THE CITY.
 - ENSURE THE PANEL LAYOUT FOR THE NEW FAN CONTROL PANEL CP-C800 IS CONVENIENT FOR MAINTENANCE. THE PANEL LAYOUT TO BE REVIEWED BY THE CONTRACT ADMINISTRATOR DURING THE SHOP DRAWING REVIEW PROCESS. PROVIDE A SUITABLE NEMA 4X PVC ENCLOSURE FOR ALL EQUIPMENT, WIRING, AND TERMINALS AS REQUIRED.
 - SUPPLY AND INSTALL TWO NEW THREE-WAY SWITCHES SW-C700 AND SW-C701 TO CONTROL BOTH CHLORINE ROOM EXHAUST FANS FAN-1 AND EEF-1. WIRE NEW SWITCHES SW-C700 AND SW-C701 TO NEW FAN CONTROL PANEL CP-C800 AS INDICATED.
 - SUPPLY AND INSTALL TWO NEW CHLORINE HORNS AND STROBES AA-C801 AND AA-C802 AND WIRE THEM TO THE NEW FAN CONTROL PANEL CP-C800 AS INDICATED.
 - SUPPLY AND INSTALL A NEW STARTER MS-EEF-1 TO BE CONNECTED TO THE EXISTING CHLORINE ROOM EXHAUST FAN EEF-1. CONNECT THE NEW STARTER MS-EEF-1 TO THE NEW FAN CONTROL PANEL CP-C800 AS INDICATED ON 1-0650C-E0004-001.
 - GREY ITEMS DENOTES EXISTING EQUIPMENT, BOLD ITEMS DENOTES NEW EQUIPMENT.

NO.	DRAWING NUMBER	REFERENCE DRAWING TITLE
10	-	-
9	-	-
8	-	-
7	-	-
6	-	-
5	-	-
4	1-0650M-E0024-001	ELECTRICAL - PUMP STATION ROOF - POWER PLAN
3	1-0650M-E0023-001	ELECTRICAL - PUMP STATION MAIN AND PUMP LEVEL - POWER PLAN
2	1-0650C-E0004-001	ELECTRICAL - PUMP STATION - MS-EEF-1 SCHEMATIC AND CONNECTION DIAGRAM
1	1-0650A-D0001-001	COVER SHEET
REFERENCE DRAWINGS		



NO.	REVISIONS	DATE	DESIGN	CHECK
0	ISSUED FOR CONSTRUCTION	2020/06/18		

KGS GROUP

DESIGNED BY: I. BECK
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APPROVED BY: J. BOUCHARD
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ISSUED FOR CONSTRUCTION
DATE: 2020-06-18
BY:
DATE:
CONSULTANT NO.: 19-0107-005_E09

ENGINEER'S SEAL

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

HURST PUMPING STATION
STRUCTURAL REPAIRS AND DRAINAGE BUILDING UPGRADES
ELECTRICAL
PUMP STATION
CP-C800 SCHEMATIC AND CONNECTION DIAGRAM

CITY DRAWING NUMBER: 1-0650C-E0003
SHEET: 001
REV: 0
SIZE: A1