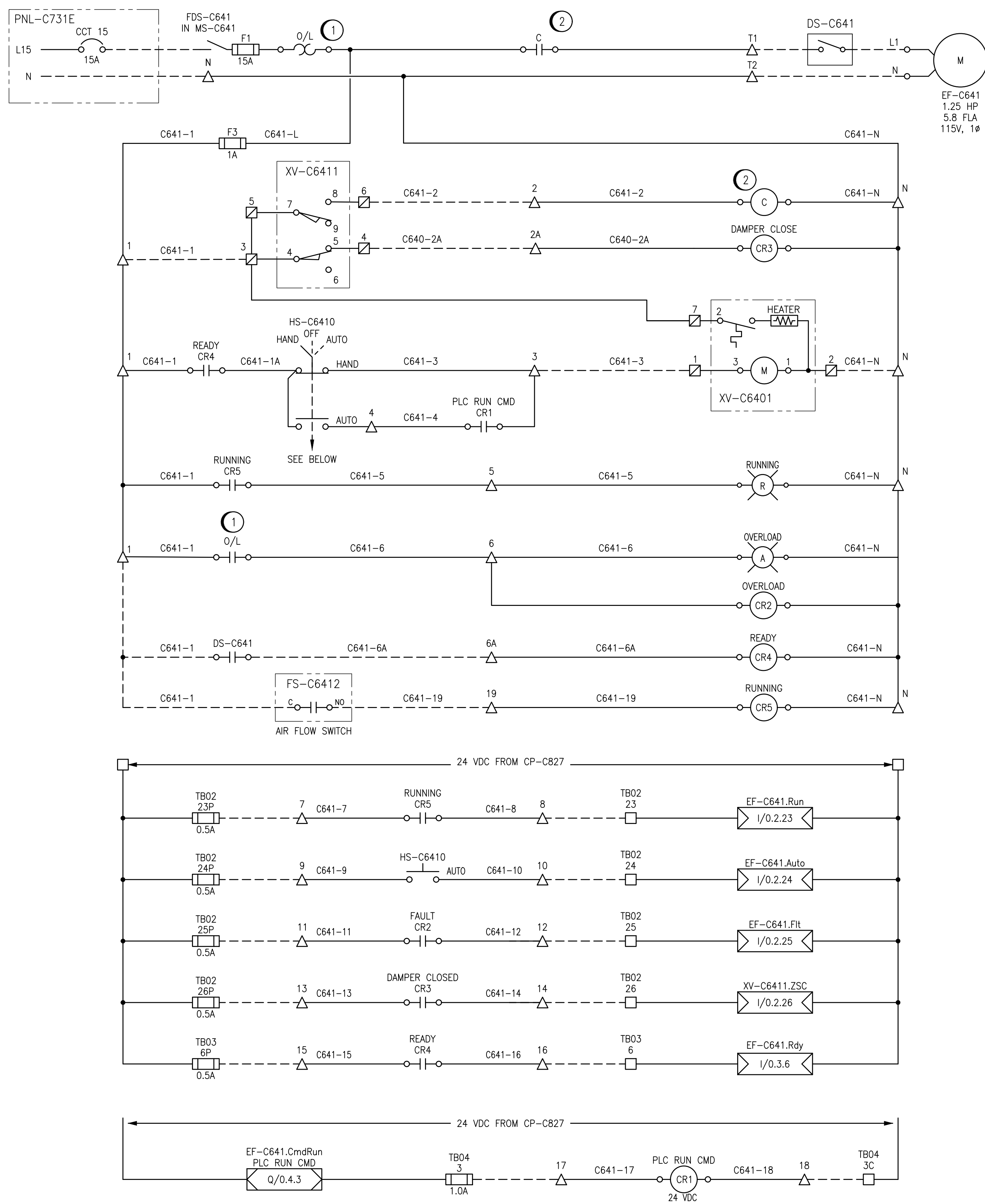
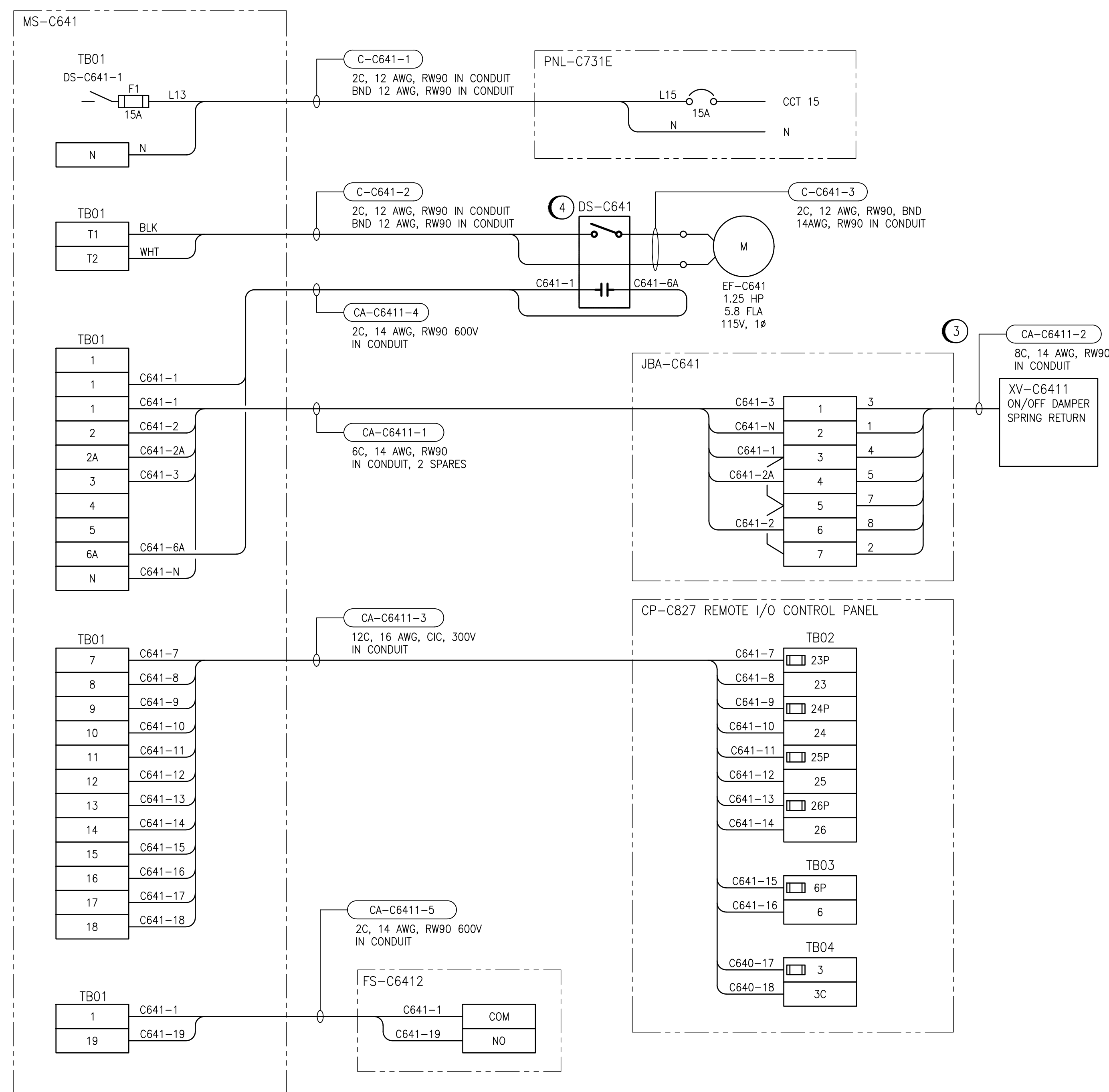


ELEMENTARY DIAGRAM:



FIELD CONNECTION DIAGRAM:



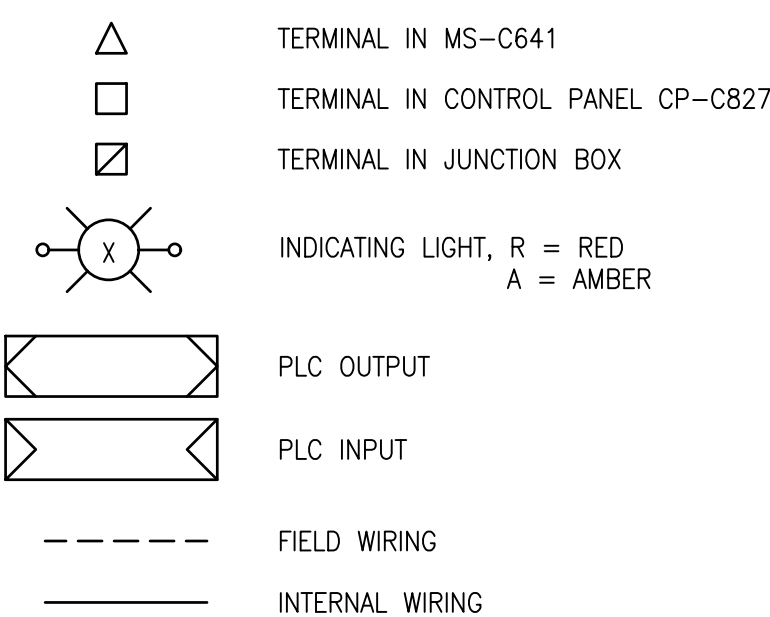
GENERAL NOTES:

1. ALL CONNECTIONS FOR POWER AND CONTROLS ARE TO BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. REVIEW REQUIREMENTS ON SHOP DRAWINGS. CONTRACTOR TO VERIFY ALL CONNECTIONS WITH MANUFACTURER AND PROVIDE ALL REQUIRED EQUIPMENT, INCLUDING ANY EQUIPMENT NOT SHOWN ON DRAWING.
2. ALL EQUIPMENT, CONDUIT AND CABLING SHOWN IS NEW AND SHALL BE PROVIDED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
3. MS-C641 TO BE LOCATED IN CHLORINE TONNER STORAGE ROOM. CONTRACTOR TO PROVIDE CONTROL PANEL LAYOUT BASED ON SCHEMATIC. CONTRACT ADMINISTRATOR TO REVIEW AND APPROVE SHOP DRAWING OF CONTROL PANEL PRIOR TO CONSTRUCTION AND SHIPMENT TO SITE. PANEL TO BE NEMA 4X RATED AND DEVICES LOCATED ON THE FRONT PANEL SHALL BE NEMA 4X COMPLAINT.

CONSTRUCTION NOTES:

1. PROVIDE OVERLOAD RELAY BASED ON MOTOR FLA AND NAMEPLATE DATA. OVERLOAD SHALL BE RESET WITH A MANUAL PUSH BUTTON MOUNTED ON THE FRONT OF THE CONTROL PANEL.
2. PROVIDE CONTACTOR RATED FOR CONTINUOUS OPERATION AND THE CONTACTOR RATED MINIMUM 1.25X THE FLA OF THE MOTOR.
3. JUNCTION BOX TO BE LOCATED WITHIN 10 FEET OF DAMPER ACTUATOR.
4. CONTRACTOR TO PROVIDE DISCONNECT COMPLETE WITH AUXILIARY CONTACT FOR READY SIGNAL.

LEGEND:



1-0640C-A0024-001	PANEL LAYOUT, DAMPER ACTUATOR, JUNCTION BOXES
1-0640C-A0007-001	PANEL CP-C827, DISCRETE OUTPUTS RACK 0, MODULE 4
1-0640C-A0006-001	PANEL CP-C827, DISCRETE INPUTS RACK 0, MODULE 3
1-0640C-A0005-001	PANEL CP-C827, DISCRETE INPUTS RACK 0, MODULE 2
1-0640C-A0004-001	REMOTE I/O PANEL, CONTROL PANEL CP-C827
1-0640C-A0003-001	REMOTE I/O PANEL LAYOUT, CONTROL PANEL CP-827
1-0640C-E0003-001	SINGLE LINE DIAGRAM, MCC-C710/MCC-C720E
DRAWING NUMBER	REFERENCE DRAWINGS



					 148 Nature Park Way, Winnipeg, Manitoba Canada R3P 0X7 204-786-8080		ENGINEER'S SEAL		 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT			
					DESIGNED BY: B. WILKS		CHECKED BY: V. ELIMBAN		MCPHILLIPS PUMPING STATION CHLORINE SYSTEM UPGRADES MOTOR STARTER SCHEMATIC / FIELD WIRING DIAGRAM EXHAUST FAN EF-C641 TONNER STORAGE ROOM			
					DRAWN BY: B. WILKS		APPROVED BY: V. ELIMBAN					
					SCALE: NTS		ISSUED FOR CONSTRUCTION BY: M. SKINNER					
					DATE: 2023/08/16		DATE: 2025/04/30					
00 ISSUED FOR TENDER AND CONSTRUCTION					2025/04/30		VE		VE		CITY DRAWING NUMBER	
NO. REVISIONS					DATE		DESIGN CHECK		CONSULTANT NO.:		SHEET	
											REV.	
											SIZE	
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