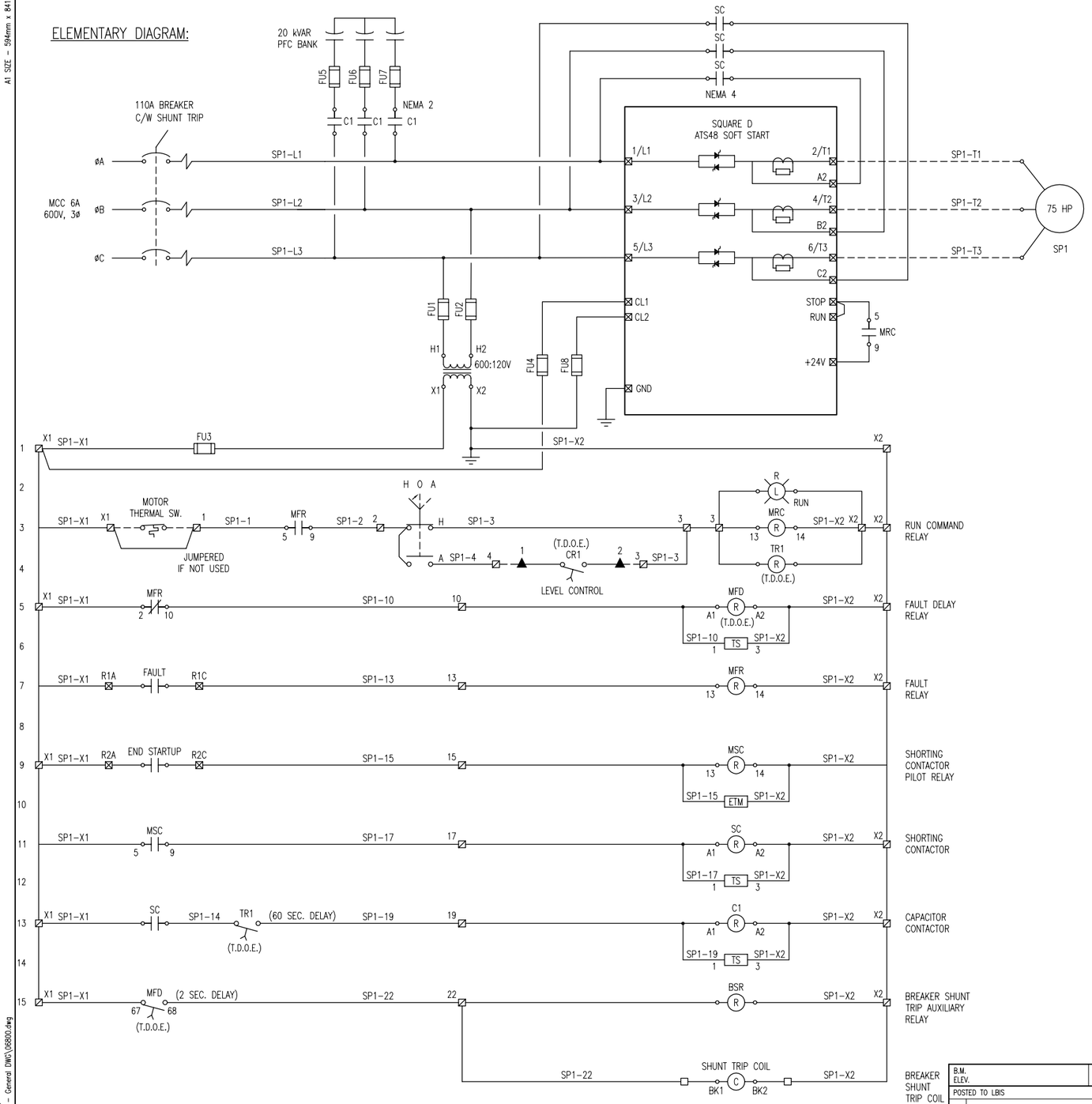
A1 SIZE - 594mm x 841mm

ELEMENTARY DIAGRAM:



LEGEND:

- MCC CONTROL ENCLOSURE
- SOFT START ENCLOSURE TERMINAL BLOCK
- SOFT START DEVICE TERMINAL
- BREAKER TERMINAL BLOCKS FOR SHUNT TRIP COIL
- CONTACTOR
- MOTOR THERMAL SWITCH
- INDICATING LIGHT, R = RED
- RELAY COIL
- TS — TRANSIENT VOLTAGE SUPPRESSOR
- ETM — ELAPSED TIME METER

NOTES:

1. THIS DRAWING REFLECTS COMPONENTS WHICH ARE TYPICAL TO A SQUARE D ALTISTART 48 SOFT STARTER C/W POWER FACTOR CORRECTION AND HAND-OFF-AUTO CONTROL. IT IS THE RESPONSIBILITY OF ANY OTHER VENDOR TO ENSURE THAT THEIR PRODUCT WILL FUNCTION IN AN IDENTICAL MANNER. ACCEPTABLE EQUALS BY CUTLER-HAMMER, ALLEN BRADLEY, AND BENSHAW.
2. CABLE TAGS AND TERMINAL BLOCKS TAGS SHALL BE PROVIDED BY THE EQUIPMENT SUPPLIER (SQUARE D OR OTHER VENDOR). CABLING FOR CONNECTIONS BETWEEN MCC SECTIONS (CABLE TO CAPACITOR BANK, CABLE TO AUTO START CONTROL) SHALL BE SUPPLIED BY THE EQUIPMENT VENDOR. THE CABLE CONNECTION AT THE TERMINAL BLOCK AND AT THE END DEVICE SHALL BE MADE ON SITE BY THE ELECTRICAL CONTRACTOR. THE CABLE FROM THE SOFT START TO THE SANITATION PUMP SHALL BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
3. HOA SWITCH TYPE TO BE MAINTAINED IN AUTO POSITION AND SPRING RETURN TO OFF IN HAND POSITION.
4. ALL CONTACTORS SHALL BE NEMA RATED. IEC RATED CONTACTORS SHALL NOT BE USED.
5. THE SIZE OF THE NEMA CONTACTORS IS TO BE BASED ON THE MANUFACTURER'S RECOMMENDATIONS. MINIMUM SIZE IS SHOWN.

APEGM Certificate of Authorization
SNC-Lavalin Inc.
No. 4489 Expiry: April 30, 2009

DRAWING NUMBER	REFERENCE DRAWINGS

B.M. ELEV.	FIELD BOOK #:		
POSTED TO LBIS			
01	ISSUED FOR TENDER	2008/07/25	DEB
00	ISSUED FOR TENDER	2007/12/11	BDK
NO.	REVISIONS	DATE	BY

SNC-LAVALIN INC.
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Winnipeg, MB, Canada R3P 0X7
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DESIGNED BY D.E.BECKER	CHECKED BY C. ASMUNDSON
DRAWN BY D.E.BECKER	APPROVED BY C. REIMER
HOR. SCALE NTS	RELEASED FOR CONSTRUCTION
VERTICAL	
DATE 2007/04/12	DATE
FILENAME: 06800.dwg	

ENGINEER'S SEAL

BID OPPORTUNITY 613-2008

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

2008 PUMPING STATION UPGRADES
INSTALLATION OF NEW PUMPING UNITS
AND MODIFICATIONS TO THE
BALTIMORE WASTEWATER PUMPING STATION
ELEMENTARY DIAGRAM SANITATION PUMP: SP1

CITY DRAWING NUMBER	SHEET	REV.	SIZE
06800 6 OF 17	6	01	D

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