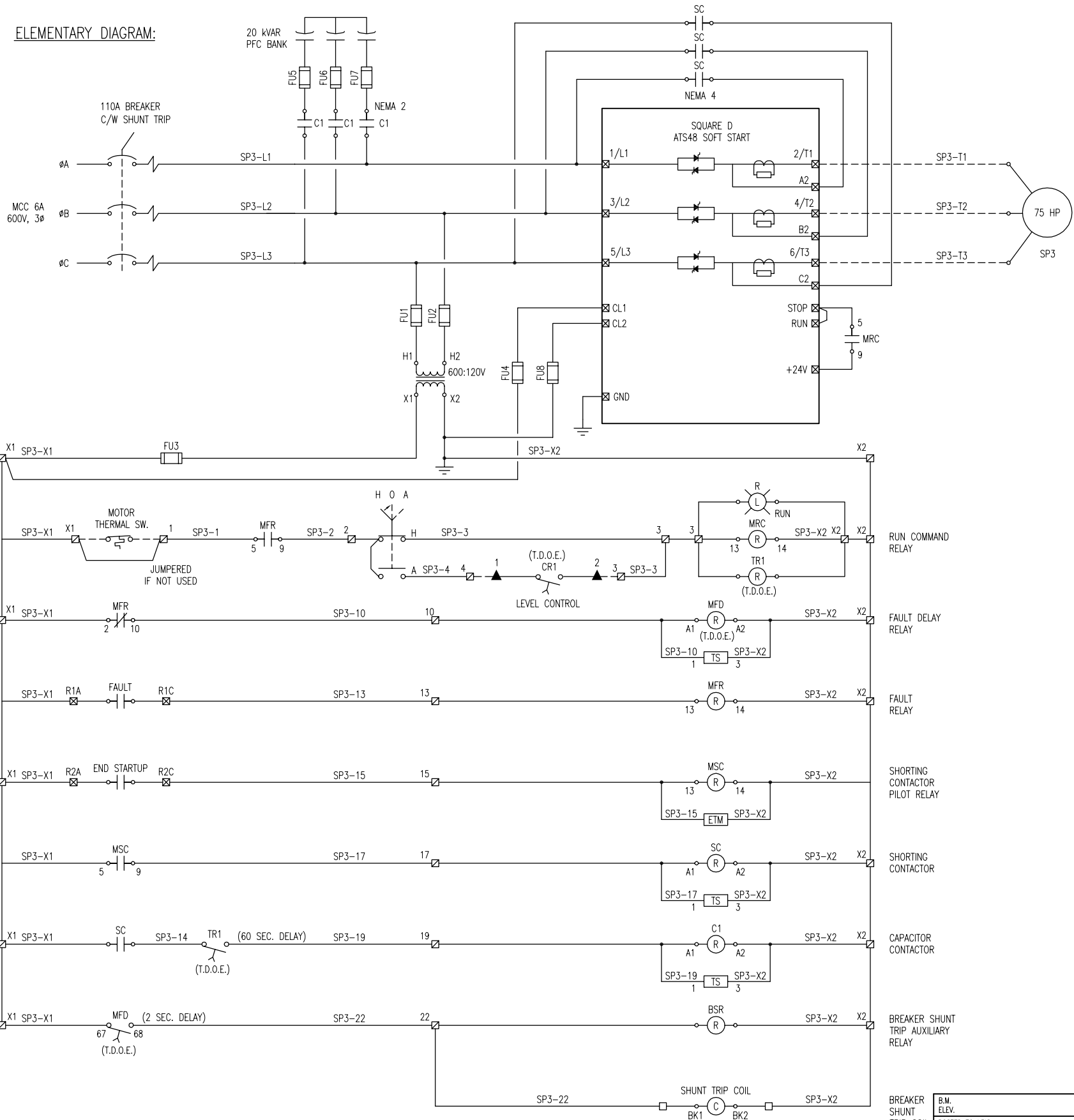


A1 SIZE - 594mm x 841mm  
 LAST SAVE: 2008/07/30 - 1:22pm  
 PATH: M:\113046\ENGR\WFILE\DD - General DWG\06802.dwg

**ELEMENTARY DIAGRAM:**

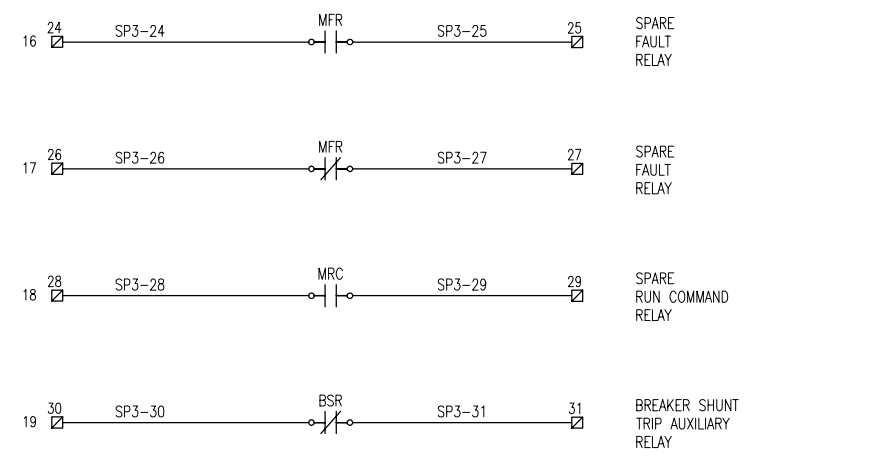


**LEGEND:**

- 1 MCC CONTROL ENCLOSURE
- 1 Soft Start Enclosure Terminal Block
- 3 Soft Start Device Terminal
- Breaker Terminal Blocks for Shunt Trip Coil
- Contactor
- Motor Thermal Switch
- (L) Indicating Light, R = Red
- (C1) 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 BENSRAW.
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.
6. SANITATION PUMP SP3 WILL BE INSTALLED AT A FUTURE DATE BY THE CITY OF WINNIPEG. THE E.C SHALL PROVIDE ALL DEVICES AND CABLING TO SP3 SHOWN ON THE PLAN DRAWING FOR FUTURE CONNECTION. THE E.C SHALL PAD-LOCK 'OFF' THE MAIN BREAKER IN MCC '6A'. THE E.C SHALL ALLOW SUFFICIENT CABLING STUBBED THROUGH THE FLOOR FOR FINAL MOTOR CONNECTIONS BY THE CITY OF WINNIPEG.



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DRAWING NUMBER	REFERENCE DRAWINGS
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**APCGM**  
 Certificate of Authorization  
**SNC-Lavalin Inc.**  
 No. 4489 Expiry: April 30, 2009

B.M. ELEV.	FIELD BOOK #:		SNC-LAVALIN INC. 148 Notaire Park Way Winnipeg, MB, Canada R3P 0X7 204-786-8080
POSTED TO LBIS			
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	
01 ISSUED FOR TENDER	2008/07/25	DEB	
00 ISSUED FOR TENDER	2007/12/11	BDK	
NO. REVISIONS	DATE	BY	FILENAME: 06802.dwg

ENGINEER'S SEAL

**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: SP3

BID OPPORTUNITY  
**613-2008**

CITY DRAWING NUMBER	8 OF 17	SHEET	8	REV.	01	SIZE	D
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