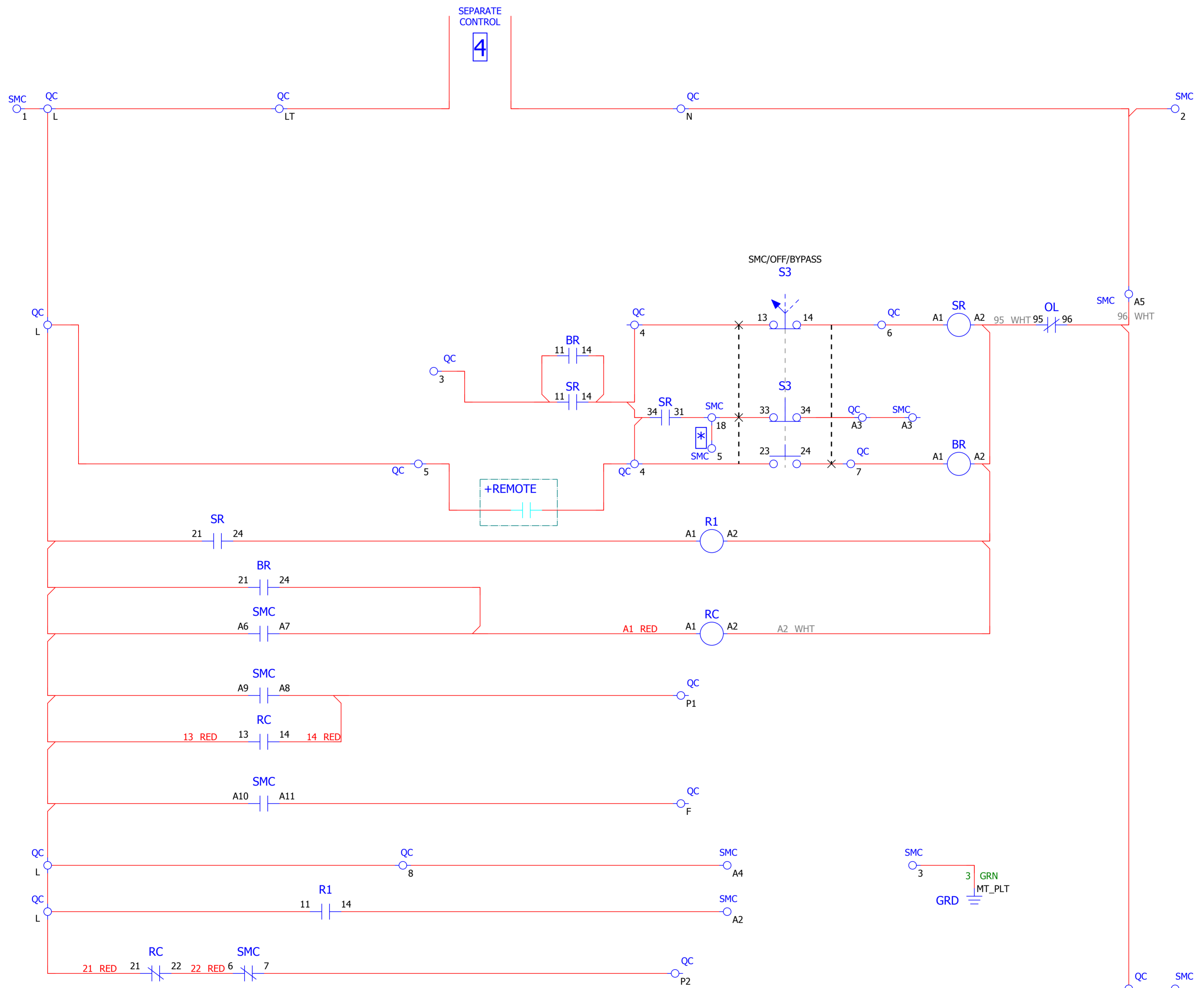
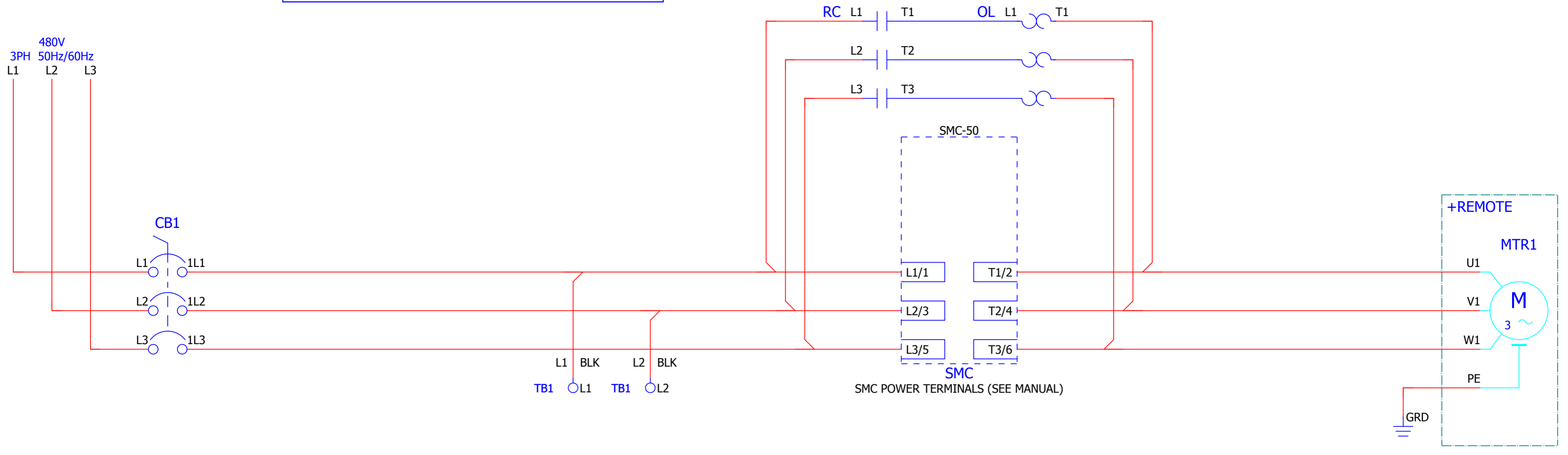


# 153S-C90JBD-D12-3B-20E-BP



### NOTES:

- \* ADD JUMPER FROM TERMINAL BLOCK "18" TO TERMINAL BLOCK "5" WHEN USING DPI (-HC3 or -20\*) JUMPER IS INCLUDED IN RAIL IN TERMINAL BLOCK 18.
- \* \* REMOVE PRE-INSTALLED YELLOW JUMPER BETWEEN TERMINAL BLOCK "L" AND TERMINAL BLOCK "8" WHEN USING AUX COMMAND DEVICE
- 1 SMC FACTORY PRE-PROGRAMMED PARAMETERS; 2 RELAY FUNCTIONS;  
 A2=START. A3=COAST. A4=OPTION STOP  
 Product specific (not test setup ones):  
 • PAR# 56 Disable 0  
 • PAR# 57 Disable 0  
 • PAR# 172 Aux1 Config to Ext Bypass 4  
 • PAR# 176 Aux2 Config to Fault Normal (0)  
 • PAR# 177 Enabled (1)  
 • PAR# 230 (Upper) XXXX XXXX 0000 0010  
 • PAR# 230 (Lower) 0000 0000 0000 0001
- SMC50 I/O device parameters (150-SM4):  
 • With HIM and Communication Card installed  
 In Port 00 SMC-50  
 • PAR # 148 X000 0000 0001 0100  
 • PAR # 3 Input 2 (A2) Start 1  
 • PAR # 4 Input 3 (A3) Coast 2  
 • PAR # 5 Input 4 (A4) Stop Option 3  
 • PAR # 6 Aux1Cfg Ext Bypass 4  
 • PAR # 10 Aux2Cfg Normal 0  
 • Set PAR # 14 Aux3Cfg Fault 2
- 3 USE 75°C CU WIRE ONLY
- 4 LINE FUSES SUPPLIED BY CUSTOMER WHEN DISCONNECT SWITCH IS SUPPLIED. REFER TO NEC WHEN SELECTING SHORT CIRCUIT PROTECTION
- 5 ADDITIONAL CONTROL CIRCUIT OVERCURRENT PROTECTION REQUIRED FOR NON-COMBINATION STARTERS. REFER TO NATIONAL ELECTRIC CODE.
- R1: PREVENT RACE CONDITION BETWEEN A3 & A2  
 BR 11-14: HOLD-IN CONTACT WITH START-STOP FOR BYPASS  
 SR 11-14: HOLD-IN CONTACT WITH START-STOP FOR SR RELAY (STARTS SMC)  
 SR 31-34: STARTS SMC WITH PILOT DEVICE (NO DPI PRESENT)  
 R1 11-14: SMC START COMMAND

Wire Connector Torque	
Line Terminal (Lb.In.)	Load Terminal (Lb.In.)
62	275

**Rockwell Automation**

**AB QUALITY**

**Title:**  
SMC COMBO

**CATALOG NO.**  
**153S-C90JBD-D12-3B-20E-BP**

**Drawn by:** AUTO\_GEN    **Date:** 02/21/18    **Sheet:** 1 of 2    **Ver:** 00    **Size:** D

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**S.O.**