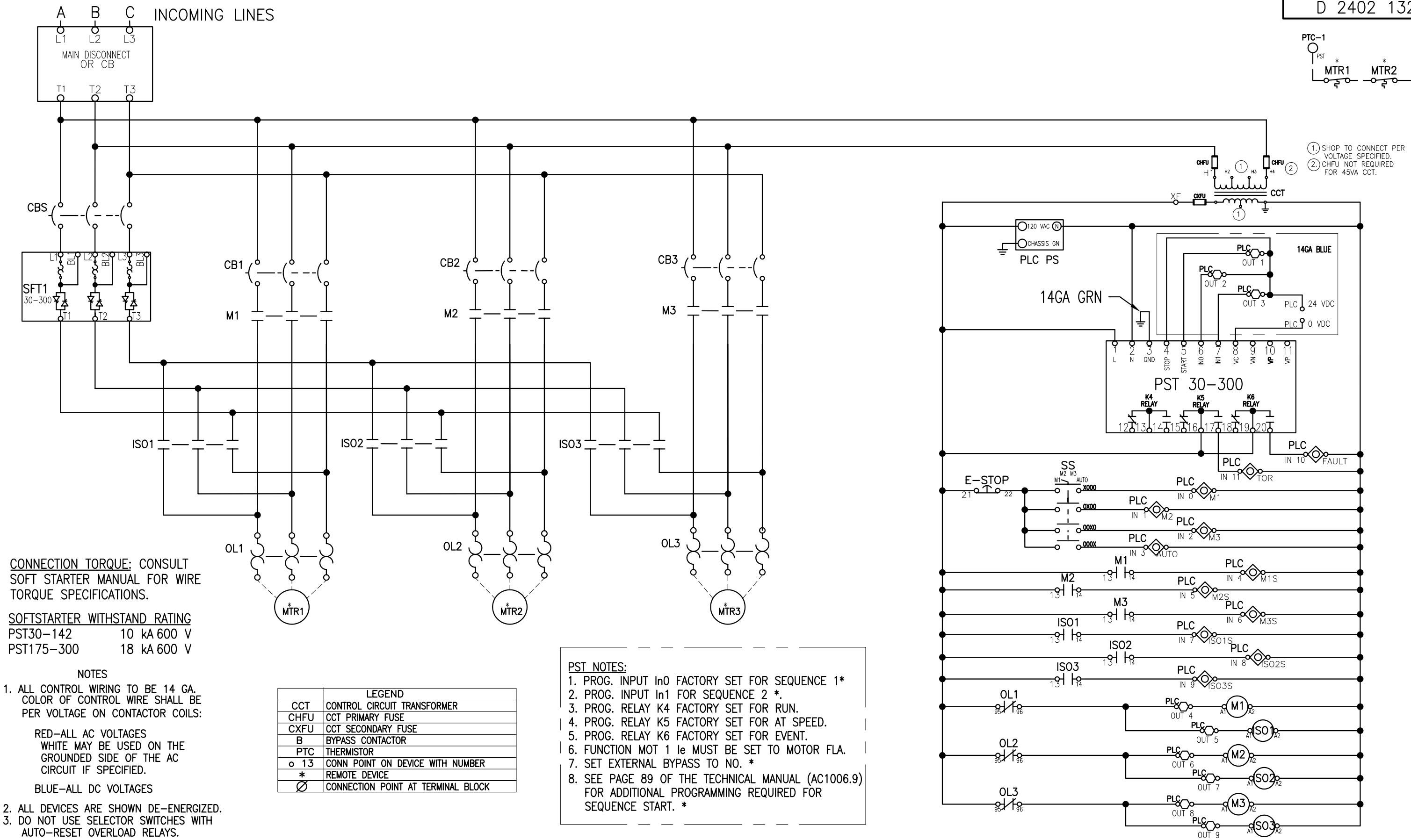
DRAWING NUMBER
D 2402 1320-022



CONNECTION TORQUE: CONSULT SOFT STARTER MANUAL FOR WIRE TORQUE SPECIFICATIONS.

SOFTSTARTER WITHSTAND RATING

PST30-142	10 kA 600 V
PST175-300	18 kA 600 V

NOTES

1. ALL CONTROL WIRING TO BE 14 GA. COLOR OF CONTROL WIRE SHALL BE PER VOLTAGE ON CONTACTOR COILS:

   RED-ALL AC VOLTAGES
   WHITE MAY BE USED ON THE GROUNDED SIDE OF THE AC CIRCUIT IF SPECIFIED.

   BLUE-ALL DC VOLTAGES

2. ALL DEVICES ARE SHOWN DE-ENERGIZED.
3. DO NOT USE SELECTOR SWITCHES WITH AUTO-RESET OVERLOAD RELAYS.
4. EXTERNAL OVERLOAD REQUIRED ON ALL MOTORS TO PREVENT THEMAL BUILD-UP DURING ALTERNATE MTR STARTS.

	LEGEND
CCT	CONTROL CIRCUIT TRANSFORMER
CHFU	CCT PRIMARY FUSE
CXFU	CCT SECONDARY FUSE
B	BYPASS CONTACTOR
PTC	THERMISTOR
o 13	CONN POINT ON DEVICE WITH NUMBER
*	REMOTE DEVICE
∅	CONNECTION POINT AT TERMINAL BLOCK

PST NOTES:

1. PROG. INPUT In0 FACTORY SET FOR SEQUENCE 1*
2. PROG. INPUT In1 FOR SEQUENCE 2 *.
3. PROG. RELAY K4 FACTORY SET FOR RUN.
4. PROG. RELAY K5 FACTORY SET FOR AT SPEED.
5. PROG. RELAY K6 FACTORY SET FOR EVENT.
6. FUNCTION MOT 1 Ie MUST BE SET TO MOTOR FLA.
7. SET EXTERNAL BYPASS TO NO. *
8. SEE PAGE 89 OF THE TECHNICAL MANUAL (AC1006.9) FOR ADDITIONAL PROGRAMMING REQUIRED FOR SEQUENCE START. *

CUST

REV. LET.	REVISIONS	DATE	REV OR APPD BY
C	CHANGES PER DRAWING REVIEW	7/21/04	CDP
B	DEL PLC OUT 0 ON SFT STR STOP	5/26/04	NJH

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ABB Inc.

DATE 5/21/04
DRAWN BY NJH
CHK'D
PROJECT NO.
SHEET 1 OF 1

REV. C
SIZE B

TITLE
SCHEMATIC PST30-300
3-MOTOR SEQUENCE START

DRAWING NUMBER
D 2402 1320-022

DRAWING NUMBER
D 2402 1320-002