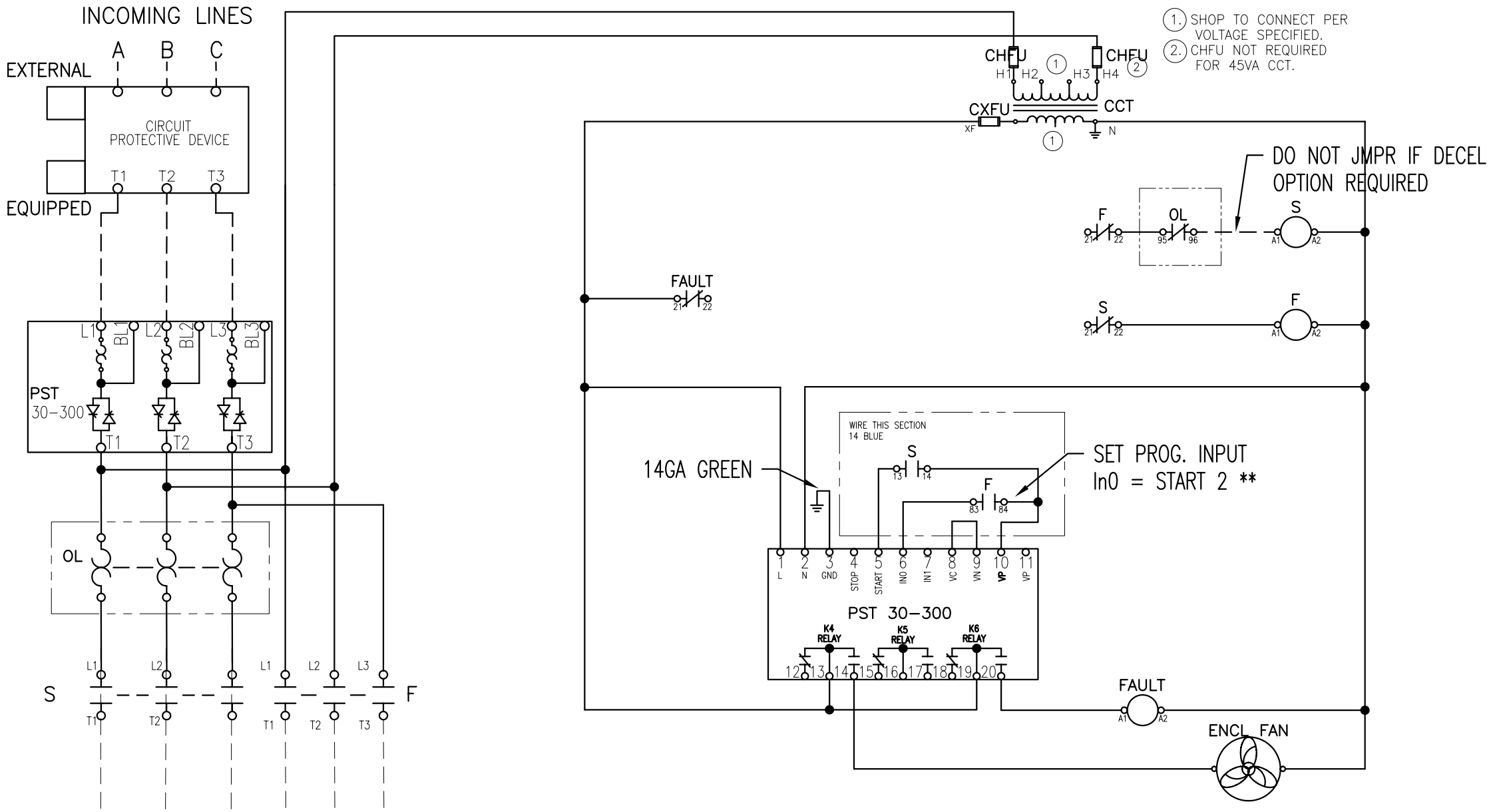
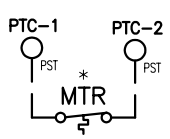


SOFTSTARTER WITHSTAND RATING

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

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

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



PST NOTES:
1. SET PROG. INPUT In0 = START2 **
2. PROG. RELAY K4 FACTORY SET FOR RUN.
3. PROG. RELAY K5 FACTORY SET FOR AT SPEED.
4. PROG. RELAY K6 FACTORY SET FOR EVENT.
5. FUNCTION MOT 1 Ie MUST BE SET TO MOTOR FLA.
6. IF EQUIPPED, SET EXTERNAL BYPASS = YES **
7. FUNTION MOT 2 Ie **
8. ADDITIONAL FIELD SETUP FOR START2:
   START RAMP 2
   INIT V 2
   I LIMIT 2
   2nd Ie

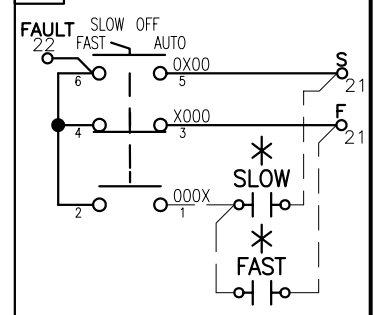
NOTES
1. ALL CONTROL WIRING TO BE 14 GA. COLOR OF CONTROL WIRE SHALL BE PER VOLTAGE ON CONTACTOR COILS:
   RED–ALL AC VOLTAGES
   WHITE MAY BE USED ON THE GROUNDED SIDE OF THE AC CIRCUIT IF SPECIFIED.
   BLUE–ALL DC VOLTAGES
2. ALL DEVICES ARE SHOWN DE–ENERGIZED.
3. DO NOT USE SELECTOR SWITCHES WITH AUTO–RESET OVERLOAD RELAYS.
4. PILOT/PROTECTIVE DEVICE BOX WILL BE CHECKED IF MODEL EQUIPPED WITH OPTION. IF NO OPTIONS ARE INSTALLED, BOX MARKED "NONE" WILL BE CHECKED.
5. PIN NUMBERS IN PARENTHESIS ARE COMPACT PILOT DEVICES.
6. SOFT STOP FEATURE NOT AVAILABLE THIS S/D.
7. EXTERNAL OVERLOAD ONLY REQUIRED WHEN LOW FLA IS BELOW SOFTSTARTER MINIMUM.

DRAWING NUMBER
D 2402 1320–020

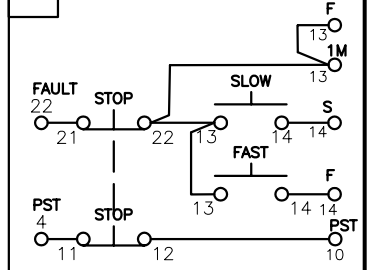
PILOT DEVICES

NONE

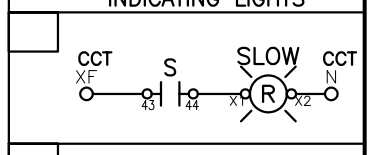
2–WIRE CONTROL

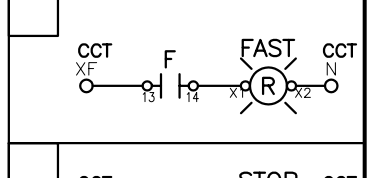


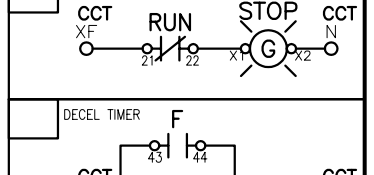
3–WIRE CONTROL

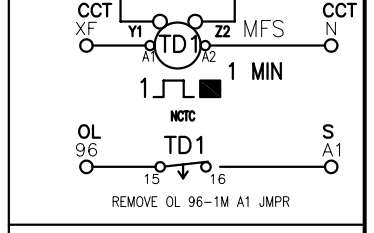


INDICATING LIGHTS

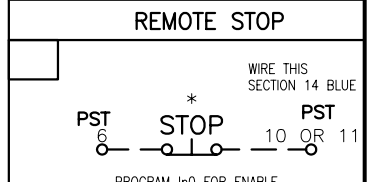








REMOTE STOP



CUST

REV. LET.	REVISIONS	DATE	REV OR APPD BY
C	DEL RUN RELAY	7/30/04	NJH
B	CHANGES PER DRAWING REVIEW	7/21/04	CDP

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ABB Inc.

DATE 6/18/04
DRAWN BY NJH
CHK'D
PROJECT NO.
SHEET 1 OF 1

REV. C
SIZE B

TITLE
S/D PST30–300
TWO–SPD, TWO–WINDING

DRAWING NUMBER
D 2402 1320–020

DRAWING NUMBER
D 2402 1320–020