

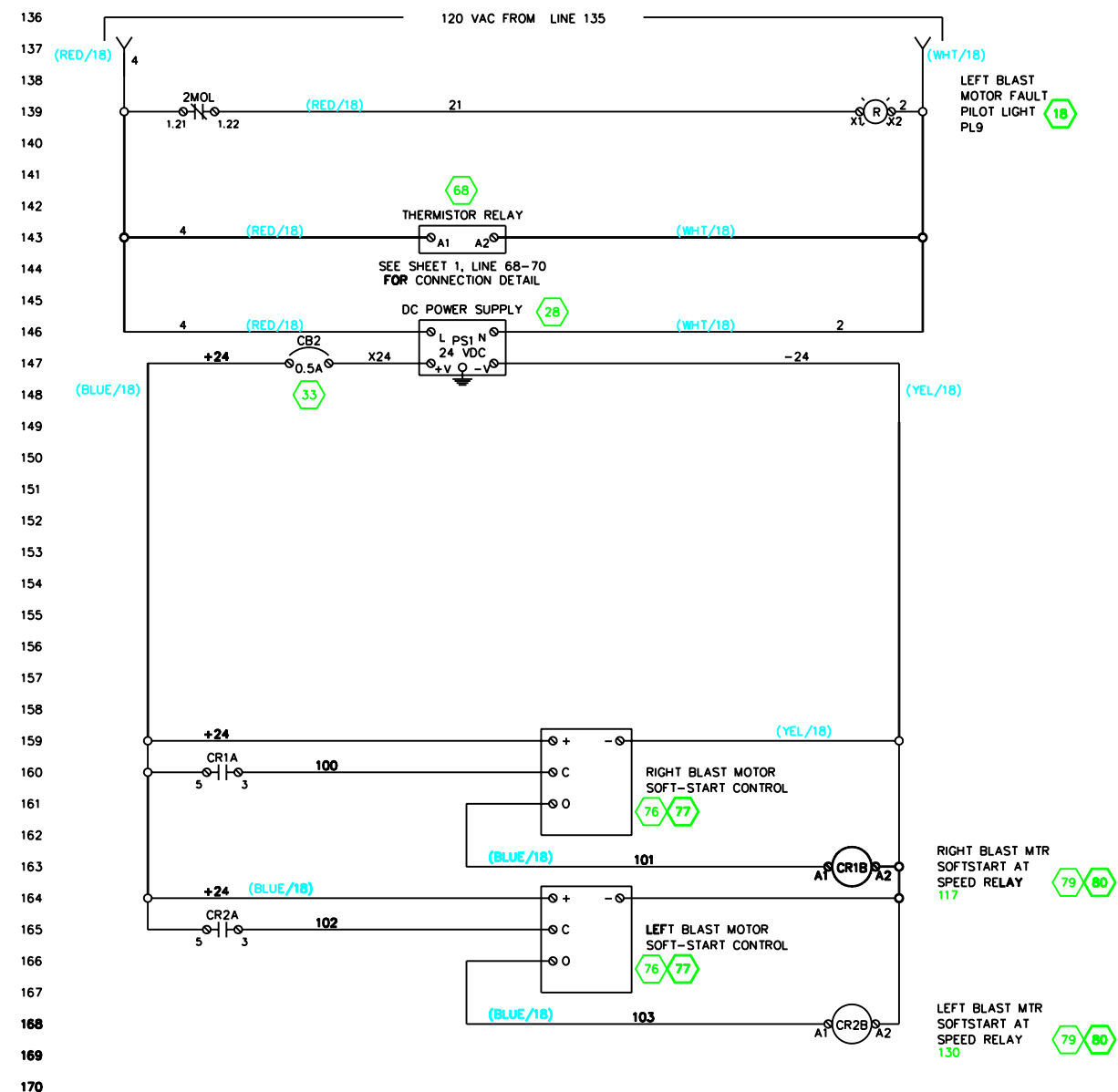
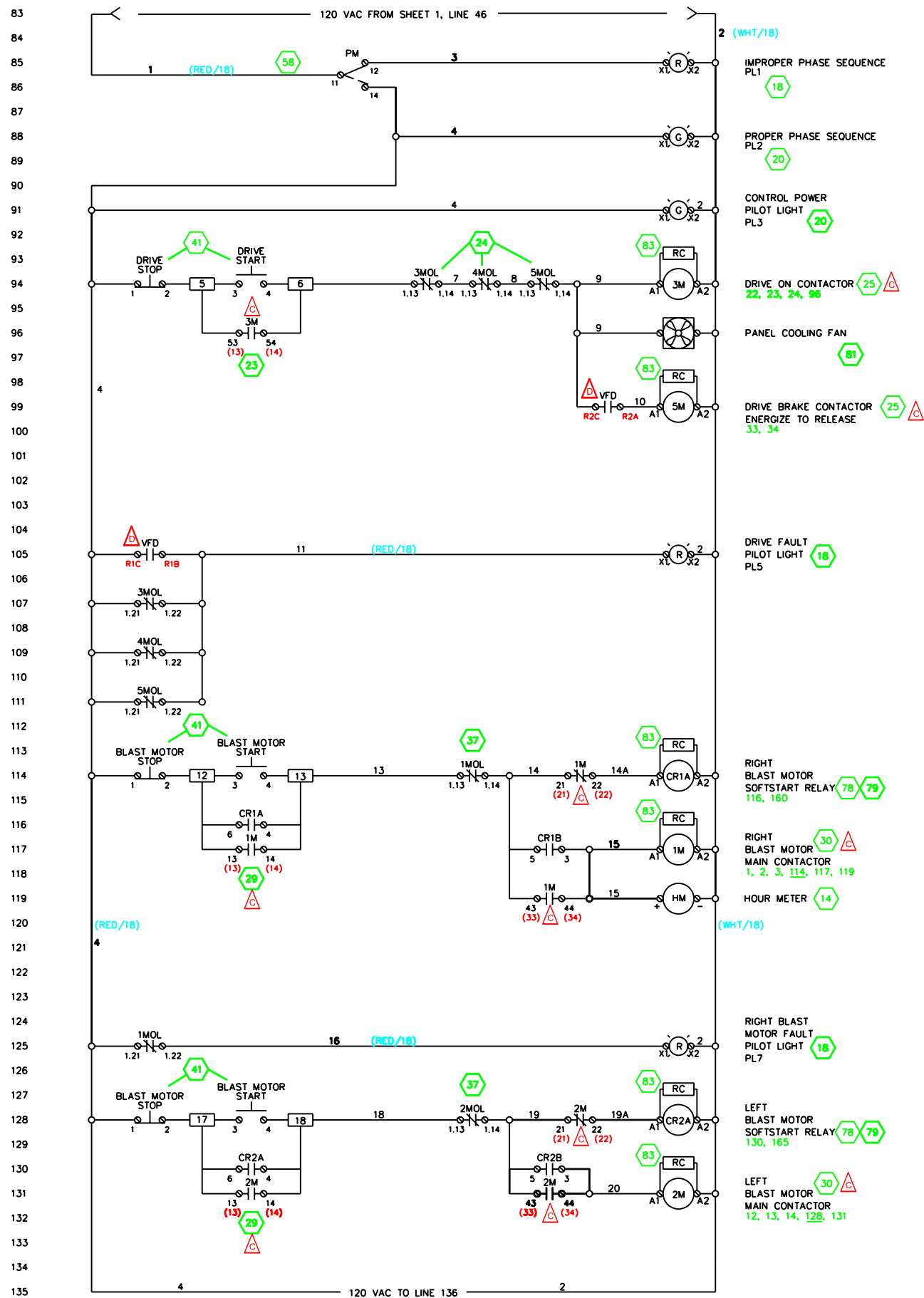
BLASTRAC 2-20DMKIII/ 2-30DMKIII/ 2-30DSMKIII BLAST UNIT CONTROL PANEL FOR 460/480V - 60 HZ WITH VOLTAGE/PHASE ROTATION VERIFICATION

MODEL	TOTAL FLA	LARGEST MOTOR FLA @ SUPPLY VOLTAGE
2-20D / 2-30D	38.2 AMPS	17.0 AMPS
2-30DS	50.2 AMPS	23.0 AMPS

PHASE - 3
HERTZ - 60

ENCLOSURE - TYPE 1
MODEL - 2-30D MKIII

SHORT CIRCUIT CURRENT:
5 kA RMS SYM. 480 V GROUNDING WYE MAXIMUM



BRANCH CIRCUIT PROTECTION	
FOR 2-20D / 2-30D ALONE MAXIMUM BRANCH CIRCUIT PROTECTION @ 460/480 VOLT	60 AMP TIME DELAY FUSE OR 80 AMP INVERSE TIME CIRCUIT BREAKER
FOR 2-30D SUPER ALONE MAXIMUM BRANCH CIRCUIT PROTECTION @ 460/480 VOLT	80 AMP TIME DELAY FUSE OR 100 AMP INVERSE TIME CIRCUIT BREAKER

SEE 8-54 LABEL FOR BRANCH CIRCUIT PROTECTION FOR DUST COLLECTOR / BLAST UNIT COMBINATIONS

SCHEMATIC SYMBOLS	
XX	= TERMINAL BLOCK
⊖	= VOLTAGE SELECTOR SWITCH TERMINAL
⊙	= ELECTRICAL JUNCTION
⊙XX	= COMPONENT TERMINAL AND NUMBER
XX	= WIRE NUMBER
(X/X)	= WIRE COLOR AND AWG
<<(XX)>>	= PLUG/RECP TERMINAL NUMBER
PTT	= PUSH TO TEST PILOT LIGHT
---	= WIRE EXTERNAL TO ENCLOSURE

- GENERAL NOTES:**
- MAIN DISCONNECT AND BRANCH CIRCUIT PROTECTION MUST BE PROVIDED BY INSTALLER PER NEC 430-53(c)
 - INSTALL ONLY COPPER FIELD CONDUCTORS RATED AT 75°C.
 - THIS MACHINE MUST BE EFFECTIVELY GROUNDING FOR OPERATOR SAFETY. SEE NATIONAL ELECTRIC CODE ARTICLE 250.

- NOTES:**
- ASSURE POWER CABLE IS SECURED TO CLEVIS ON DUST COLLECTOR LIFTING EYE W/HARDWARE PROVIDED.
 - DO NOT CONNECT/DISCONNECT POWER CABLE WHEN POWER IS ON. DISCONNECT ALL POWER BEFORE CONNECTING/DISCONNECTING CABLE WIRING DEVICES.

REV	DESCRIPTION	DATE	BY
A	REVISED TERMINAL NUMBERS FOR NEW VFD (P004268) WHICH REPLACES OBSOLETE VFD (P000955) AND ADDED FUSE BLOCK AND FUSES. CHANGE BEGINNING WITH UNIT SERIAL NUMBER 3089-1206-37. COMPLETE RETROFIT KIT INCLUDING ALL REQUIRED COMPONENTS IS PN P004271	4/3/07	ML
B	REVISED BILL OF MATERIAL TO REFLECT CHANGE OF PART NUMBERS OF CONTACTORS DUE TO MANUFACTURING CHANGE BEGINNING WITH UNIT SERIAL NUMBER 3089-0306-28. TERMINAL NUMBERS IN PARENTHESES REPRESENT ANY NEW DEVICE TERMINAL NUMBERS.	1/06/06	OS
C	ADDED DETAIL ON SHORT CIRCUIT CURRENT RATING ACCORDING TO UL508A, SUPPLEMENT 5B.	10/19/05	ML
D	ADDED DETAIL ON MAXIMUM BRANCH CIRCUIT PROTECTION TYPE AND RATINGS PER CHANGES TO UL508A, SECTION 60.1 EFFECTIVE APRIL 25, 2003.	10/22/04	ML

REVISION

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FIRST USED	REF DWG	415-0015	PART NO	P003089
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TOLERANCE
UNLESS SPECIFIED

ANGLES ±1°
FRACTIONS ±1/16
2 PL DEC ±.06
3 PL DEC ±.005

BLASTRAC 13201 N. SANTA FE OKLAHOMA CITY, OK 73114 U.S.A.

2-20D/ 2-30D/DSMKIII 460 60Hz
BLAST UNIT SCHEMATIC (2 of 2)

SCALE NTS DRAWN OS DATE 9-10-03 SH2 2 OF 5 **415-0015**