

DANGER
HAZARDOUS VOLTAGE
FROM ONE OR MORE SOURCES
Turn off all voltage sources before touching any components. Electrical shock or flash will cause severe injury or death. Do not remove or cover this sign.

DANGER
VOLTAGE HAZARD FLASH HAZARD
Turn off all voltage sources before removing or replacing fuse. Electrical shock or flash will cause severe injury or death. Do not remove or cover this sign.

NOTICE
FOR SERVICE ON THIS CONTROL
Contact Your Machine Dealer Or
ENTRON CONTROLS LLC.
DIRECTLY: (864) 416-0190
1402 S. BATESVILLE RD.
GREER, SC 29650
FAX# (864) 416-0195

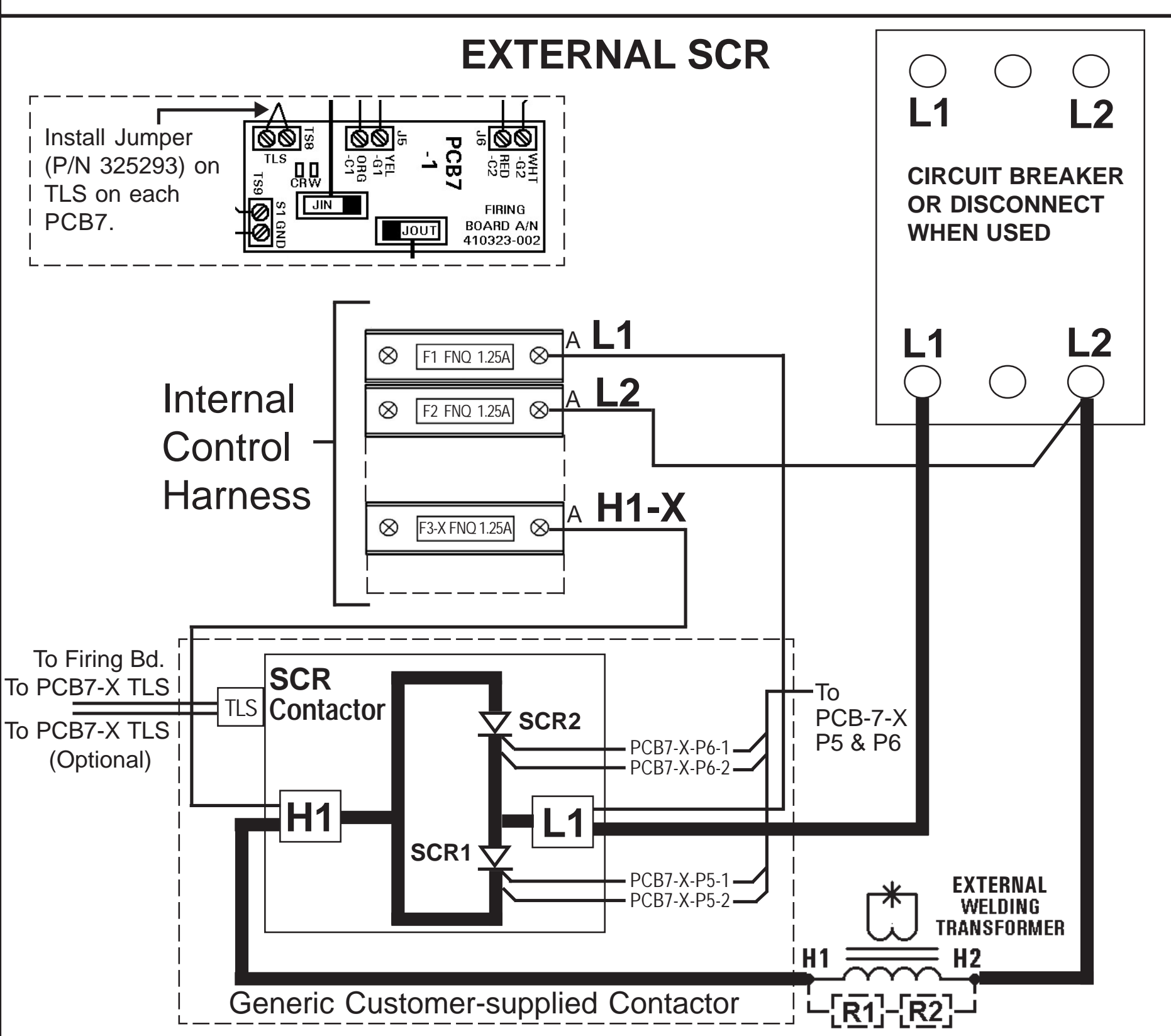
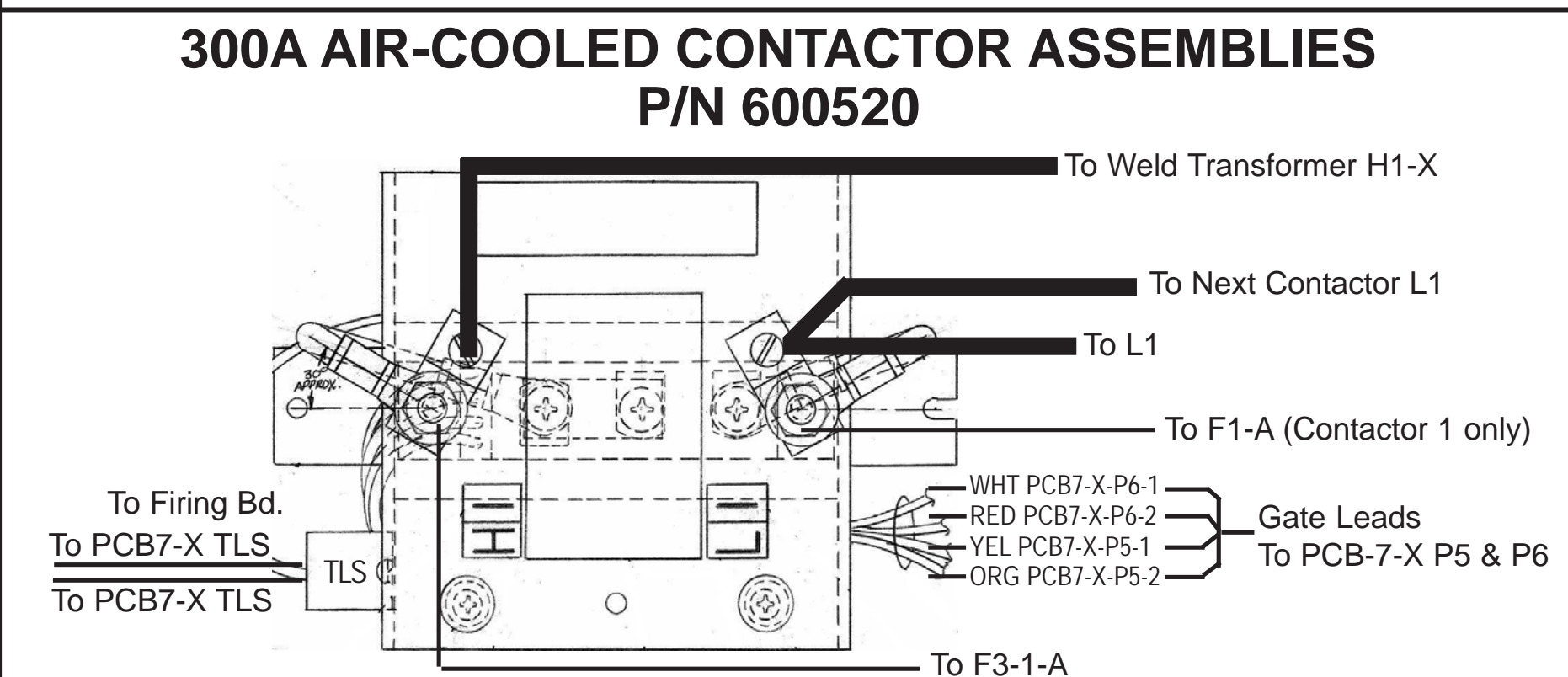
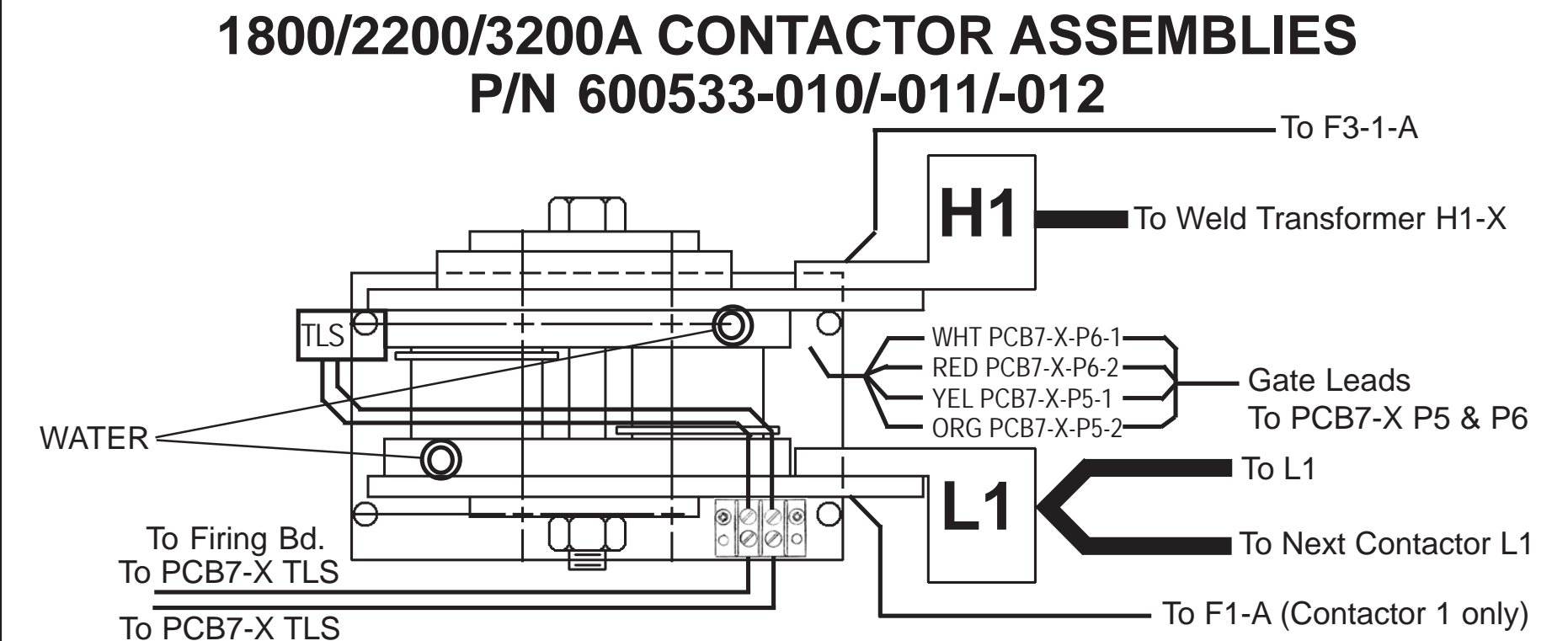
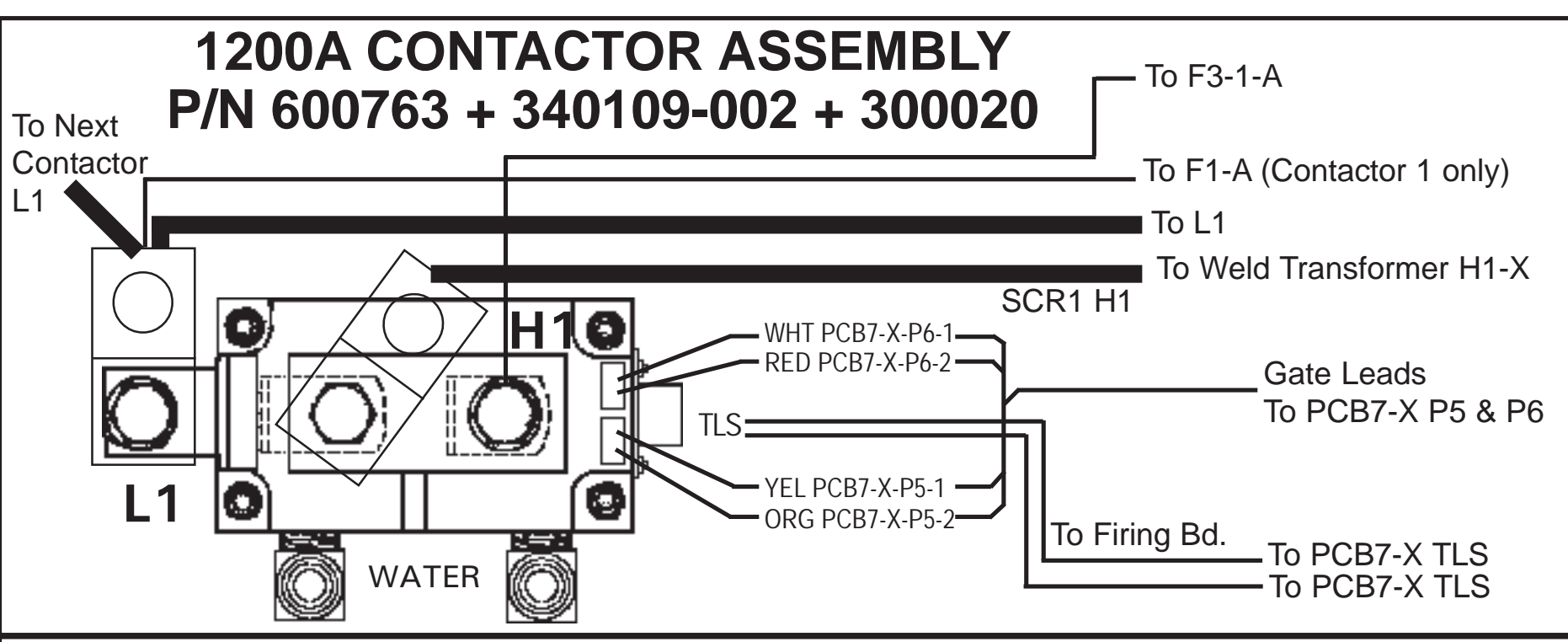
WARNING
CONNECTOR P6 IS USED FOR RPP2 ONLY!
Voltages on this connection can damage devices other than RPP2 programming pendant.

For Contactor & Firing Board Connections, see page 2
For Assembly Documentation, see chart on page 3

A	CHG'D XTOR P1 & L2 BUS BAR CHART FOR LUGS; UPDATED SERVICE LABEL.	DCS	6/18/14
	ORIGINAL RELEASE		
REV	AUTH	DESCRIPTION	DRAWN BY DATE

ENTRON			
SCALE	DATE	DRAWN BY	CHK'D BY
none	3/13/14	DCS	DCS
TOLERANCE UNLESS SPECIFIED		REVISED	APPROVED BY
ANGLES	± 1/2°	REV LTR	APPROVED BY
DECIMALS	± .010	A	
FRACTIONS	± 1/64	DATE	6/18/14 DCS

Wiring Diagram, EN6041, 2-8 Cascade, N, L, G, U Cabinets Pg 1 of 3
NEXT ASSUMED ON DRAWING NUMBER REV
EN6041 SERIES 421509 1 A

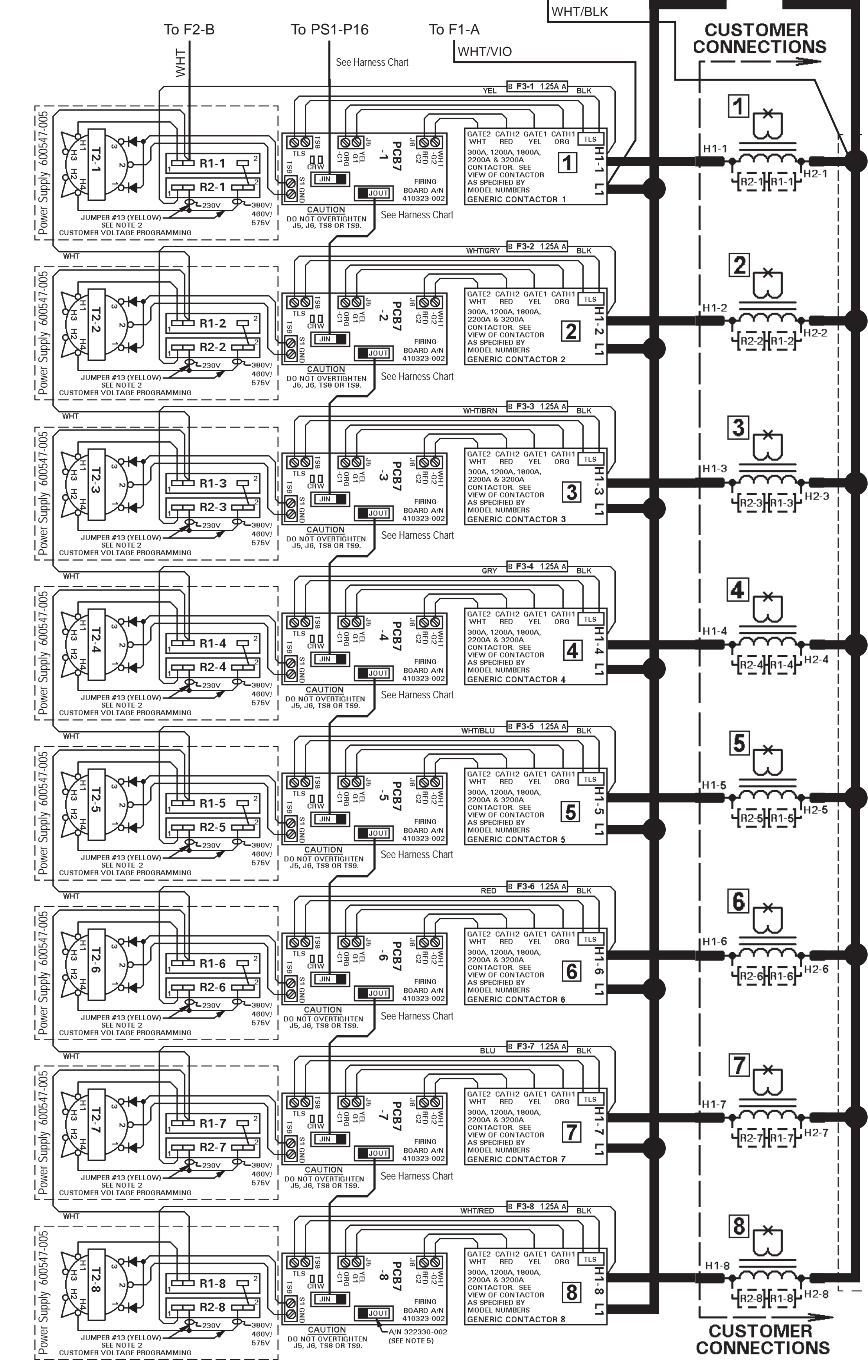


⚠ DANGER ⚠ DANGER

HAZARDOUS VOLTAGE
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VOLTAGE HAZARD
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FLASH HAZARD
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CAUTION – READ MANUAL & ALL NOTES BEFORE INSTALLING OR OPERATING CONTROL. SEE NOTE 1. NO CIRCUIT CALIBRATION OR ADJUSTMENT EVER REQUIRED.

- NOTES:**
- It is recommended that control wiring (i.e.: initiation, pressure switch, etc.) be physically separated from the high voltage wiring (115 volts or higher).
 - For 480 VAC Operation – Set 480 Jumper on PS1. Connect Jumper #13 (Yellow) to Resistor(s) R2-X-2 (from T2-H4) on Power Supplies. As shipped unless otherwise specified.
 For 240 VAC Operation – Set 240 Jumper on PS1. Connect Jumper #13 (Yellow) to Resistor(s) R2-X-1 (from T2-H4) on Power Supplies.
 For 380 VAC Operation – FACTORY WIRED ONLY. Set 380 Jumper on PS1. Connect Jumper #13 (Yellow) to Resistor(s) R2-X-2 (from T2-H4) on Power Supplies.
 For 575 VAC Operation – FACTORY WIRED ONLY. Set 575 Jumper on PS1. Connect Jumper #13 (Yellow) to Resistor(s) R2-X-2 (from T2-H4) on Power Supplies.
- X = Contactor number designation of the “-X-” reference for R2-X-1 and R2-X-2.
CAUTION: All Power Supplies **MUST** have Jumper #13 wired for the same voltage.
NOTE: For EN6041 Controls, line voltage must also be set in the Calibration Menu.
- EN6041-(SCR) CASCADE CONTROL:
 When used, connect Normally Closed (N.C.) Temperature Limit Switch (TLS) across TS8 on supplied PCB7 Firing Board(s). Contactor 1 TLS connects to PCB7-1. Contactor 2 TLS connects to PCB7-2, etc. Remove jumper between TS8 terminals. Customer supplied interconnection wiring for TLS should be physically separated from all other interconnection wiring.
CAUTION: Do **NOT** overtighten TS8.
 - This drawing is for Cascade Controls for any of 2 thru 8 Contactors. Please note in the Contactor section that electrical connections connect from the 1st Contactor to the 2nd Contactor, then continue in succession (DAISY CHAIN) from one to another in numerical order until the last Contactor is electrically connected in the Cascade arrangement. In the Parts List, parts with multiple quantities listed correspond to the various number of Cascade Contactor arrangements. Wiring Diagram shows contactors in a generic presentation. Substitute actual contactor of control (on left side) for the generic contactor shown in the Wiring Diagram. See page 3 for Part Numbers.
 - The Termination Plug A/N 322330-002 will **ALWAYS** be located in the J-OUT socket on the Firing Board of the last numbered Contactor in the Cascade arrangement.
 - EN6041-(SCR) CASCADE CONTROL:
 Disconnect all connections from previously existing firing circuits to L1, L2, H1, H2 and also SCR Contactor Gate leads and SCR Contactor Cathode leads. All previously existing Surge Resistors or Rectifiers **MUST** be replaced prior to installation of this control.
CAUTION: Do **NOT** overtighten TS8, J5, or J6.
 - All Customer Connection Wiring to be made with #18 Ga. Wire minimum.

L2 Bus Bar – see chart on pg 3

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For CPU & PS1 Connections, see Page 1

REV	AUTH	DESCRIPTION	DATE	CHKD BY	DATE

ENTRON

SCALE	DATE	DRAWN BY	CHKD BY	APPROVED BY
none	3/13/14	DCS	DCS	DCS

TOLERANCE UNLESS SPECIFIED

ANGLES	± 1/2°	REV LTR	REVISED
DECIMALS	± .010	A	APPROVED BY
FRACTIONS	± 1/64	DATE	6/18/14 DCS

Wiring Diagram, EN6041, 2-8 Cascade, N, L, G, U Cabinets Pg 2 of 3

NEXT ASSUMED ON	DRAWING NUMBER	REV
EN6041 SERIES	421509	A

