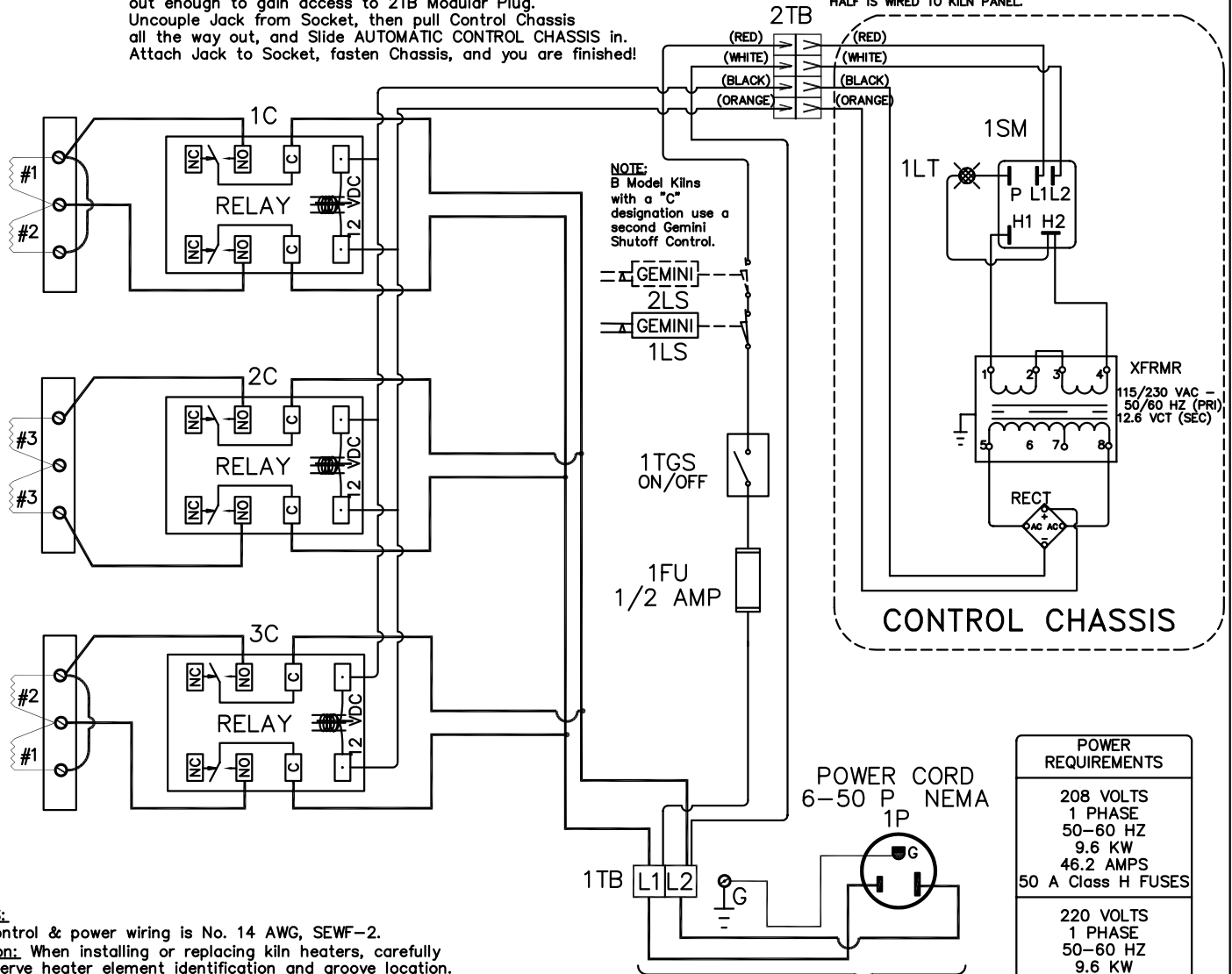


TO CONVERT TO AUTOMATIC CONTROL: (See Drawing K050-101)
 Unfasten Control Chassis from Instrument Panel, and pull Chassis
 out enough to gain access to 2TB Modular Plug.
 Uncouple Jack from Socket, then pull Control Chassis
 all the way out, and Slide AUTOMATIC CONTROL CHASSIS in.
 Attach Jack to Socket, fasten Chassis, and you are finished!

NOTE:
 MALE HALF OF PLUG IS WIRED TO
 CONTROL CHASSIS AND FEMALE
 HALF IS WIRED TO KILN PANEL.



NOTE:
 B Model Kilns
 with a "C"
 designation use a
 second Gemini
 Shutoff Control.

XFRMR
 115/230 VAC -
 50/60 HZ (PRI)
 12.6 VCT (SEC)

CONTROL CHASSIS

POWER CORD
 6-50 P NEMA
 1P

POWER REQUIREMENTS	
208 VOLTS	1 PHASE
50-60 HZ	9.6 KW
46.2 AMPS	50 A Class H FUSES
220 VOLTS	1 PHASE
50-60 HZ	9.6 KW
43.7 AMPS	50 A Class H FUSES
240 VOLTS	1 PHASE
50-60 HZ	9.6 KW
40.0 AMPS	50 A Class H FUSES

SAFETY SWITCH BY CUSTOMER
 Connect to 240 Volt, 2 Wire, Single Phase - or
 220 Volt, 2 Wire, Single Phase - or
 208 Volt, 2 Wire, Single Phase
 50 or 60 Cycles.

**SEE POWER REQUIREMENTS TABLE ABOVE,
 AND KILN NAMEPLATE AMP/VOLT RATINGS**

NOTES:
 All control & power wiring is No. 14 AWG, SEWF-2.
Caution: When installing or replacing kiln heaters, carefully
 observe heater element identification and groove location.
 Industrial & commercial applications may require the installation
 of a LOCKOUT/TAGOUT device to prevent the Kiln from operating
 during maintenance.
 This Kiln is recommended to be wired & connected to an approved
 U. L. & NEC configured receptacle and properly fused according
 to the KW load specification listed on the Kiln Nameplate.
 L&L Kiln Mfg., Inc., also recommends fuses rather than circuit
 breakers to prevent nuisance tripping.

ELECTRICAL PARTS LIST

SYMBOL	QTY	DESCRIPTION	SHOP PART NO.	CUSTOMER PART NO.
1P	1	72" POWER PLUG NEMA 6-50P	E-CRD-372050-A1	L-G-PC50/72
1TB	1	POWER CONNECTION BOARD	E-TER-2X6095-A1	L-S-PB00/00
1FU	1	CONTROL FUSE	E-FUS-AGC2F5-A1	L-C-FS05/00
1FUB	1	PANEL MOUNT FUSE HOLDER	E-FUB-P20101-A1	L-G-FSPB/00
1TGS	1	ON/OFF ROCKER SWITCH	E-SWT-XN2010-A1	L-G-SWRK/00
1,2LS	2	SHUTOFF CONTROL MICROSWITCH	E-LIM-XL415S-A1	N-B-SOMS/00
2TB-M	1	WIRESET w/ MALE CONNECTOR	(COMPOSITE)	L-B-WRST/ML
2TB-F	1	WIRESET w/ FEMALE CONNECTOR	(COMPOSITE)	L-B-WRST/FM
SM (240)	1	INPUT ZONE SWITCH	E-INF-240XXX-A1	L-J-INFO/30
SM (208)	1	INPUT ZONE SWITCH	E-INF-208XXX-A1	L-J-INFO/20
LT	1	INPUT ZONE PILOT LIGHT	E-PIL-SR250V-A1	L-G-PILO/00
XFRMR	1	CONTROL RELAY TRANSFORMER	E-TRD-212VAS-A1	L-G-TR12/00
RECT	1	BRIDGE RECTIFIER	E-RCT-02100X-A1	L-G-BRIG/RF
1-3C	3	POWER CONTACTOR	E-CNT-E0252Y-A1	L-G-RL25/12
H#1(240)	2	240 Volt #1 HEATING ELEMENTS	.	E-B-2301/30
H#1(208)	2	208 Volt #1 HEATING ELEMENTS	.	E-B-2301/20
H#1(220)	2	220 Volt #1 HEATING ELEMENTS	.	E-B-2301/40
H#2(240)	2	240 Volt #2 HEATING ELEMENTS	.	E-B-2302/30
H#2(208)	2	208 Volt #2 HEATING ELEMENTS	.	E-B-2302/20
H#2(220)	2	220 Volt #2 HEATING ELEMENTS	.	E-B-2302/40
H#3(240)	2	240 Volt #3 HEATING ELEMENTS	.	E-B-2303/30
H#3(208)	2	208 Volt #3 HEATING ELEMENTS	.	E-B-2303/20
H#3(220)	2	220 Volt #3 HEATING ELEMENTS	.	E-B-2303/40



505 SHARPTOWN ROAD
 SWEDESBORO, NJ 08085

PHONE: (856) 294-0077
 FAX: (856) 294-0070

TITLE: **MODELS B23 & B23C
 WIRING DIAGRAM**

Shown with Manual Input Control
 208 or 220 or 240 Volts / 1 Phase

DRAWN BY: B.N.M.	REV. CODE: 0	DRAWING NO. K056-103
DATE: 11/3/09	SCALE: 1 = 8	
CHK: .	APP: .	
JOB NO: STANDARD	SER NO: -	SHEET NO. OF
FILE NAME: L:\E\1\KILN_(INACTIVE)\B-MODEL	MADE FROM	K056-101.dwg