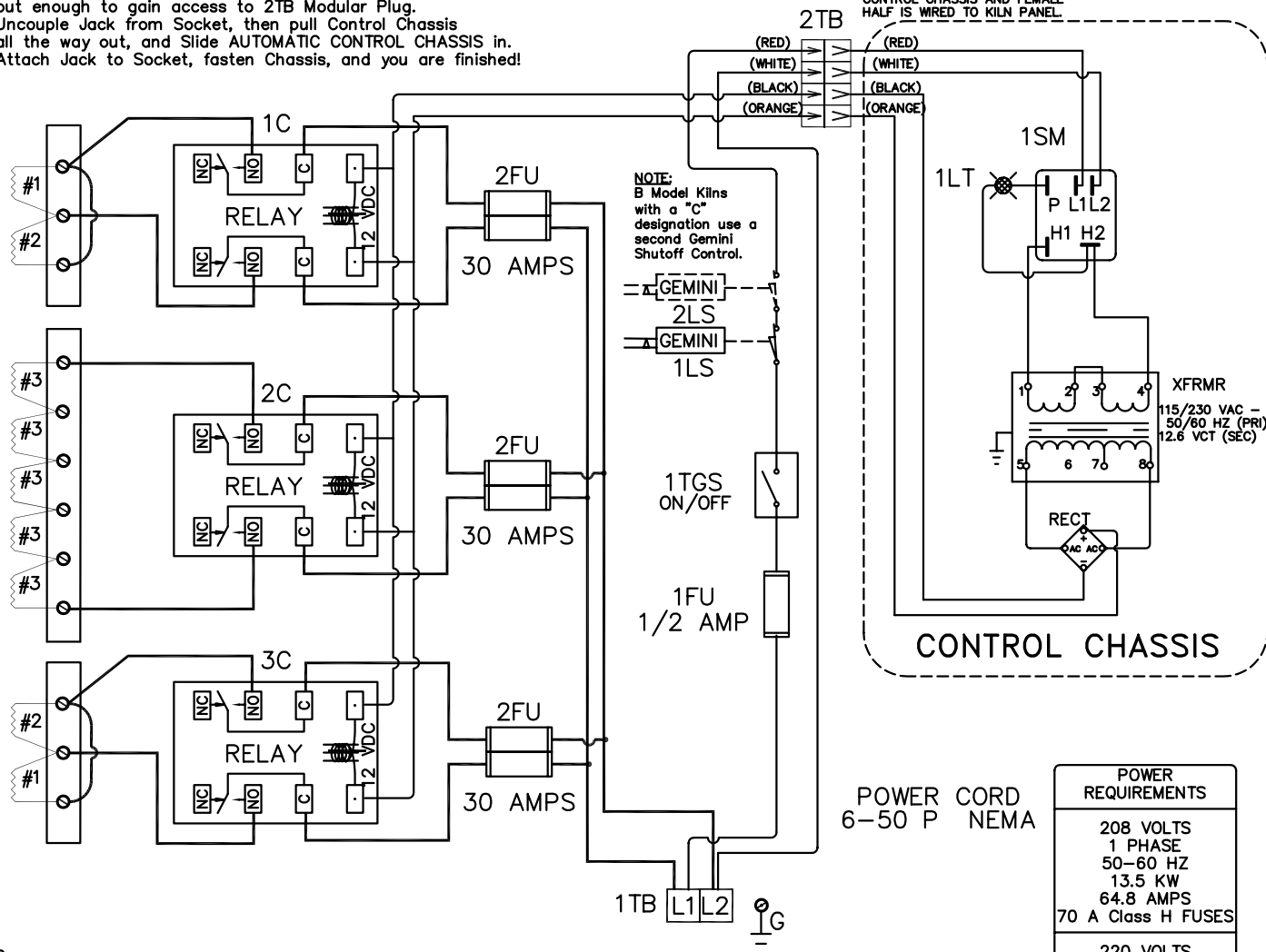


TO CONVERT TO AUTOMATIC CONTROL: (See Drawing K050-101)
Unfasten Control Chassis from Instrument Panel, and pull Chassis
out enough to gain access to 2TB Modular Plug.
Uncouple Jack from Socket, then pull Control Chassis
all the way out, and Slide AUTOMATIC CONTROL CHASSIS in.
Attach Jack to Socket,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

GEMINI
2LS
GEMINI
1LS

CONTROL CHASSIS

POWER CORD
6-50 P NEMA

POWER REQUIREMENTS	
208 VOLTS	1 PHASE
50-60 HZ	13.5 KW
64.8 AMPS	70 A Class H FUSES
220 VOLTS	1 PHASE
50-60 HZ	13.5 KW
61.4 AMPS	70 A Class H FUSES
240 VOLTS	1 PHASE
50-60 HZ	13.5 KW
56.2 AMPS	60 A Class H FUSES

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.

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**

ELECTRICAL PARTS LIST

SYMBOL	QTY	DESCRIPTION	SHOP PART NO.	CUSTOMER PART NO.
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
2FU	4	ELEMENT BRANCH FUSES	E-FUS-NN2030-A1	L-G-FS30/NL
2FUB	2	ELEMENT FUSE BLOCKS	E-FUB-H20302-A1	L-G-FH30/20
H#1(240)	2	240 Volt #1 HEATING ELEMENTS	.	F-B-2991/30
H#1(208)	2	208 Volt #1 HEATING ELEMENTS	.	F-B-2991/20
H#1(220)	2	220 Volt #1 HEATING ELEMENTS	.	F-B-2991/40
H#2(240)	2	240 Volt #2 HEATING ELEMENTS	.	F-B-2992/30
H#2(208)	2	208 Volt #2 HEATING ELEMENTS	.	F-B-2992/20
H#2(220)	2	220 Volt #2 HEATING ELEMENTS	.	F-B-2992/40
H#3(240)	5	240 Volt #3 HEATING ELEMENTS	.	F-B-2993/30
H#3(208)	5	208 Volt #3 HEATING ELEMENTS	.	F-B-2993/20
H#3(220)	5	220 Volt #3 HEATING ELEMENTS	.	F-B-2993/40

L&L Kilns
hotkilns.com

TITLE		MODELS B299 & B299C WIRING DIAGRAM	
Shown with Manual Input Control 208 or 220 or 240 Volts / 1 Phase		DRAWN BY J.E.M.	
DATE 4/17/96	SCALE 1 = 8	REV. CODE B	DRAWING NO. K061-101
CHK	APP	SHEET NO. OF	
JOB NO	STANDARD	SER NO	
FILE NAME L:\E\LLKILN_(INACTIVE)\B-MODEL		MADE FROM B299 1-Phase (Manual L&L Mfg. Dwg)	