Commercial Kitchen Equipment Parts

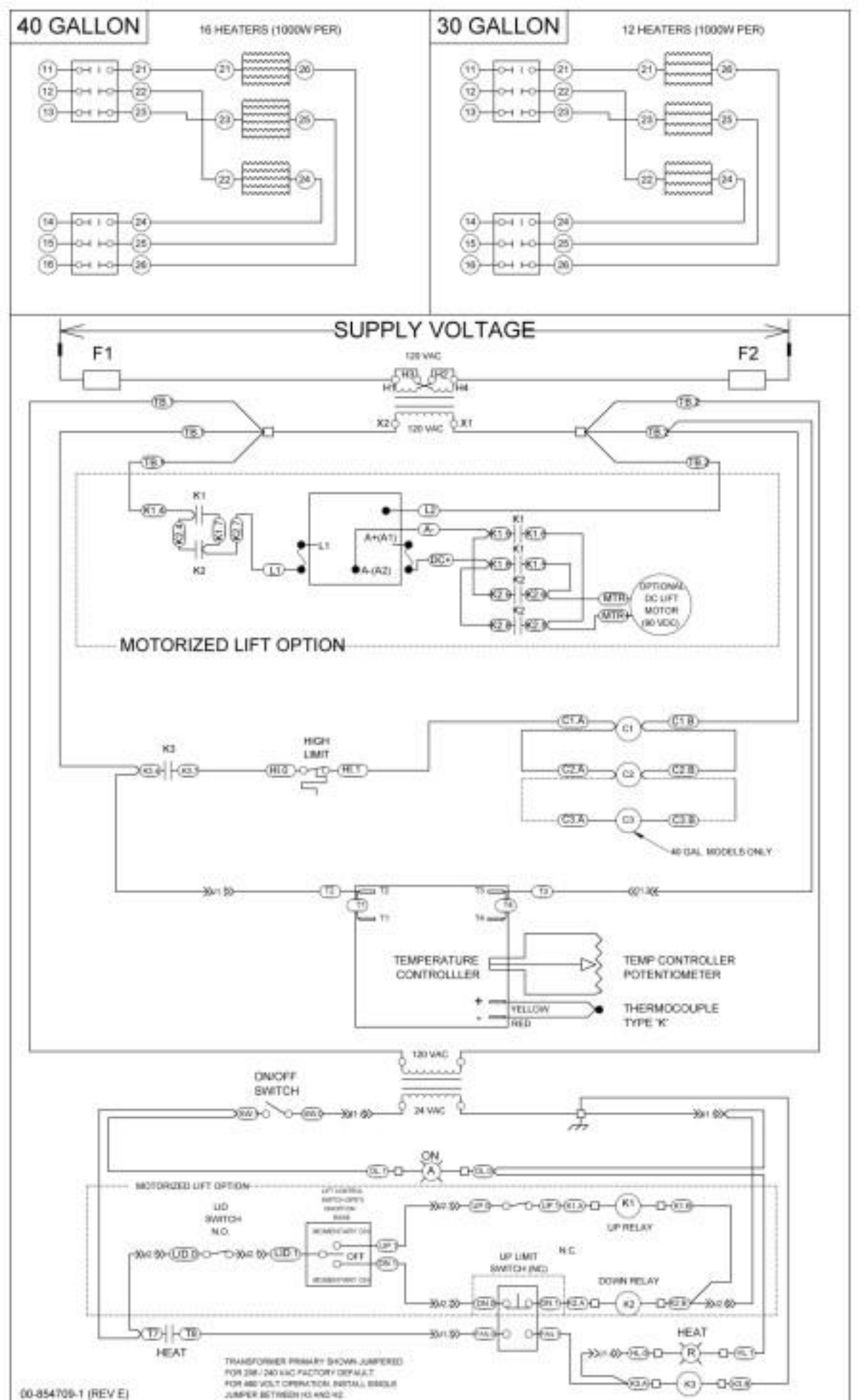
VULCAN HART VE30

Wiring Diagram

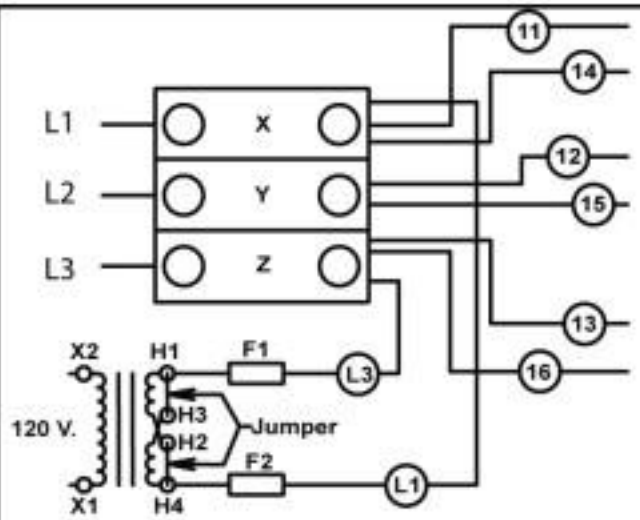
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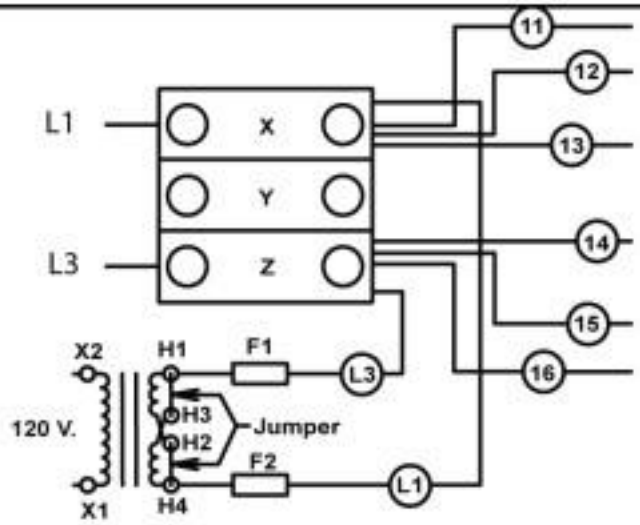
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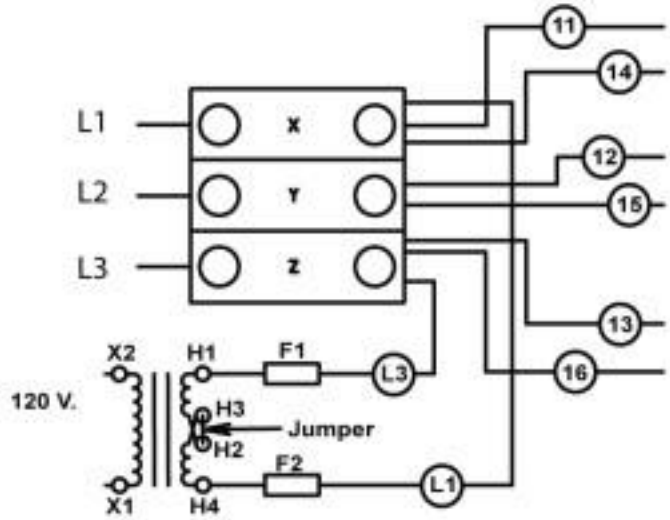
00-854709-1 (REV E)



TERMINAL BLOCK WIRING
FOR 208/240 VOLT 3 PHASE OPERATION
(Factory Configuration)



TERMINAL BLOCK WIRING
FOR 208/240 VOLT 1 PHASE OPERATION
Wires 12 & 13 moved to L1
Wires 14 & 15 moved to L3

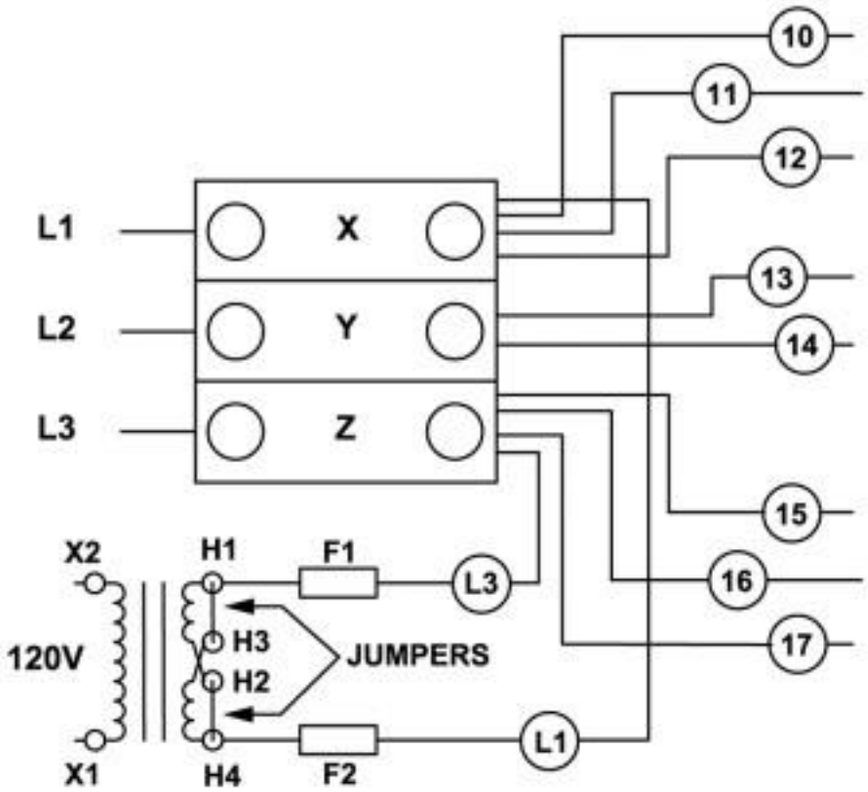


TERMINAL BLOCK WIRING
FOR 480 VOLT 3 PHASE OPERATION

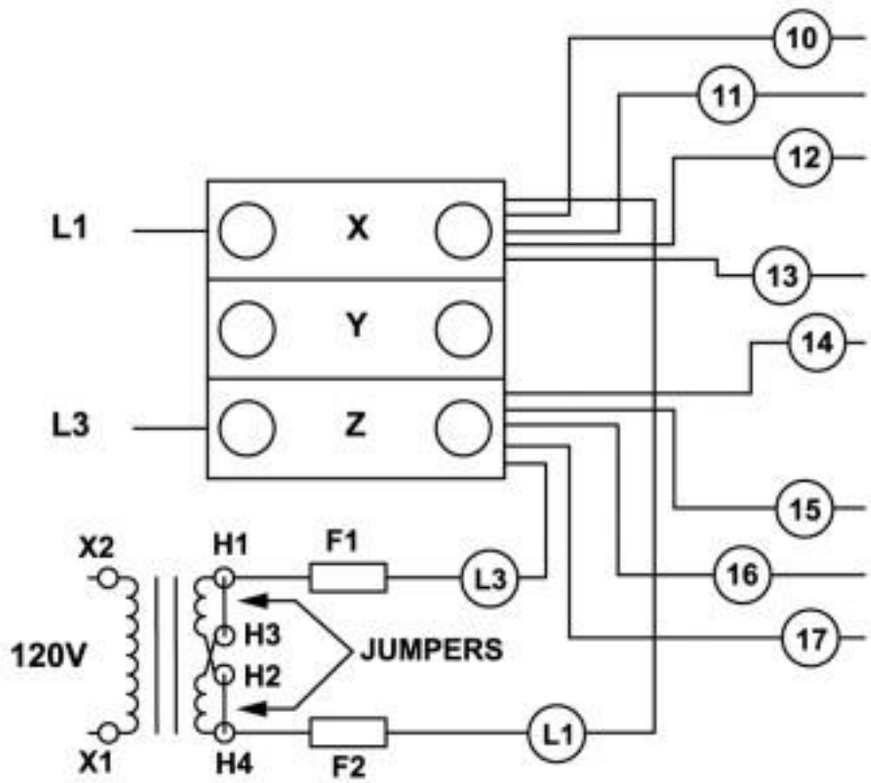
IMPORTANT!!
CHECK DATA PLATE TO DETERMINE APPLICABLE VOLTAGE CONFIGURATION FOR THIS UNIT!

30 AND 40 GALLON CONFIGURATIONS SHOWN.

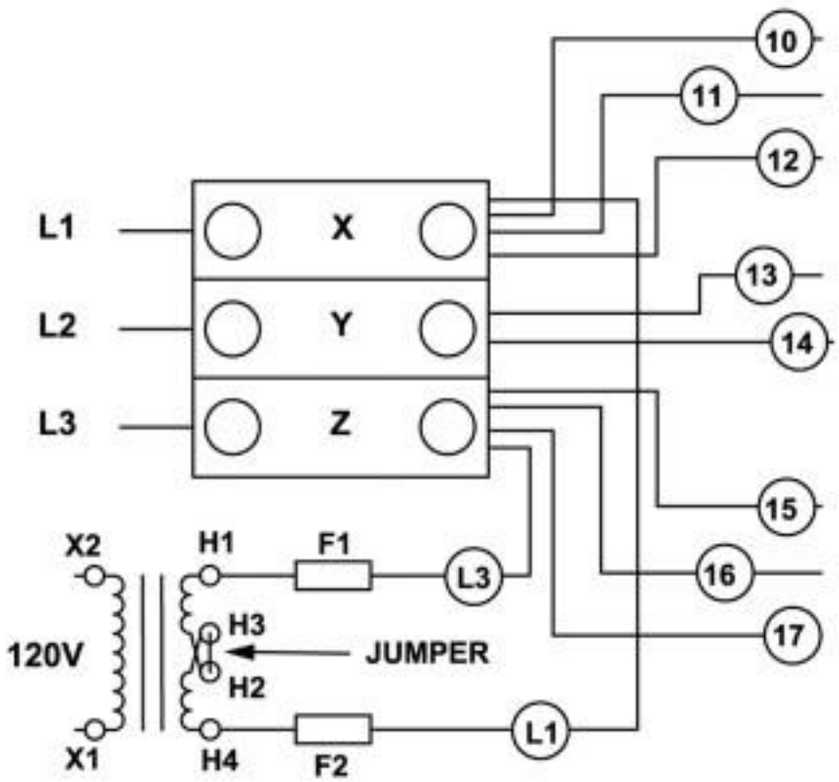
DERIVED FROM 00-858584-1 Rev B



208/240 VOLT 3 PHASE CONNECTION
(Factory Default Configuration)



208/240 VOLT 1 PHASE CONNECTION
(Wire 13 moved to L1, Wire 14 moved to L3)



480 VOLT 3 PHASE CONNECTION ONLY

IMPORTANT!!
CHECK DATA PLATE TO DETERMINE APPLICABLE VOLTAGE CONFIGURATION FOR THIS UNIT!

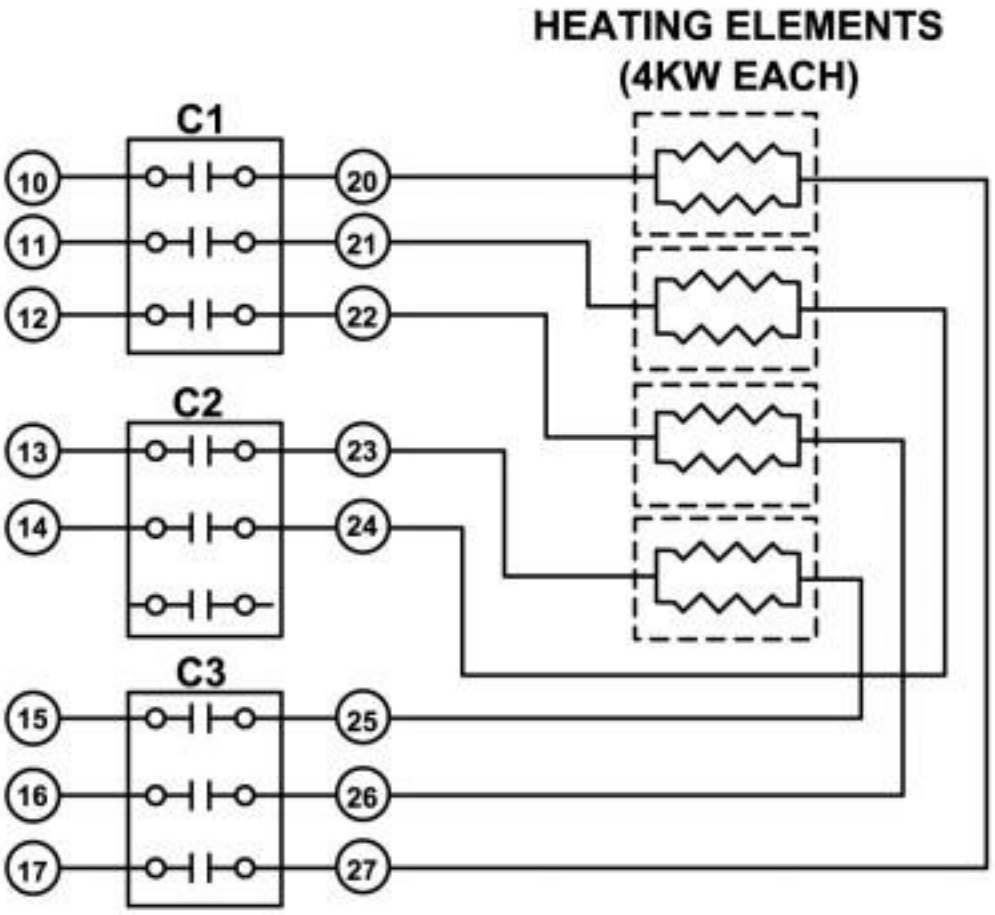
40 GALLON CONFIGURATIONS SHOWN.
WIRES 10 AND 17 NOT PRESENT ON 30 GALLON MODELS.

DERIVED FROM:
854714 REV. B

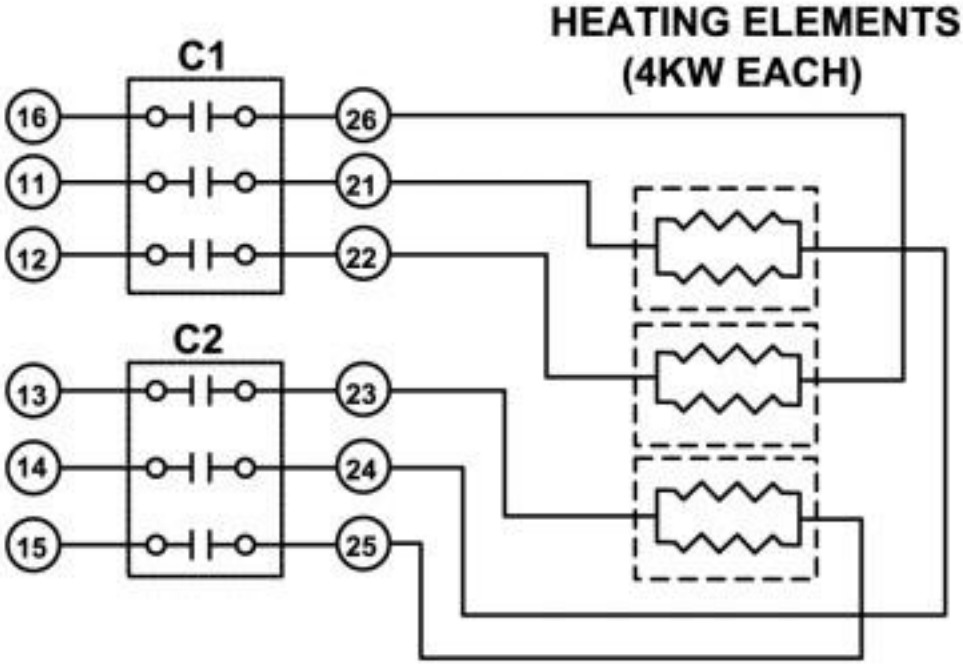
TERMINAL BLOCK WIRING
MODELS VE40/VE30
SINGLE AND THREE PHASE POWER
208/240/480V

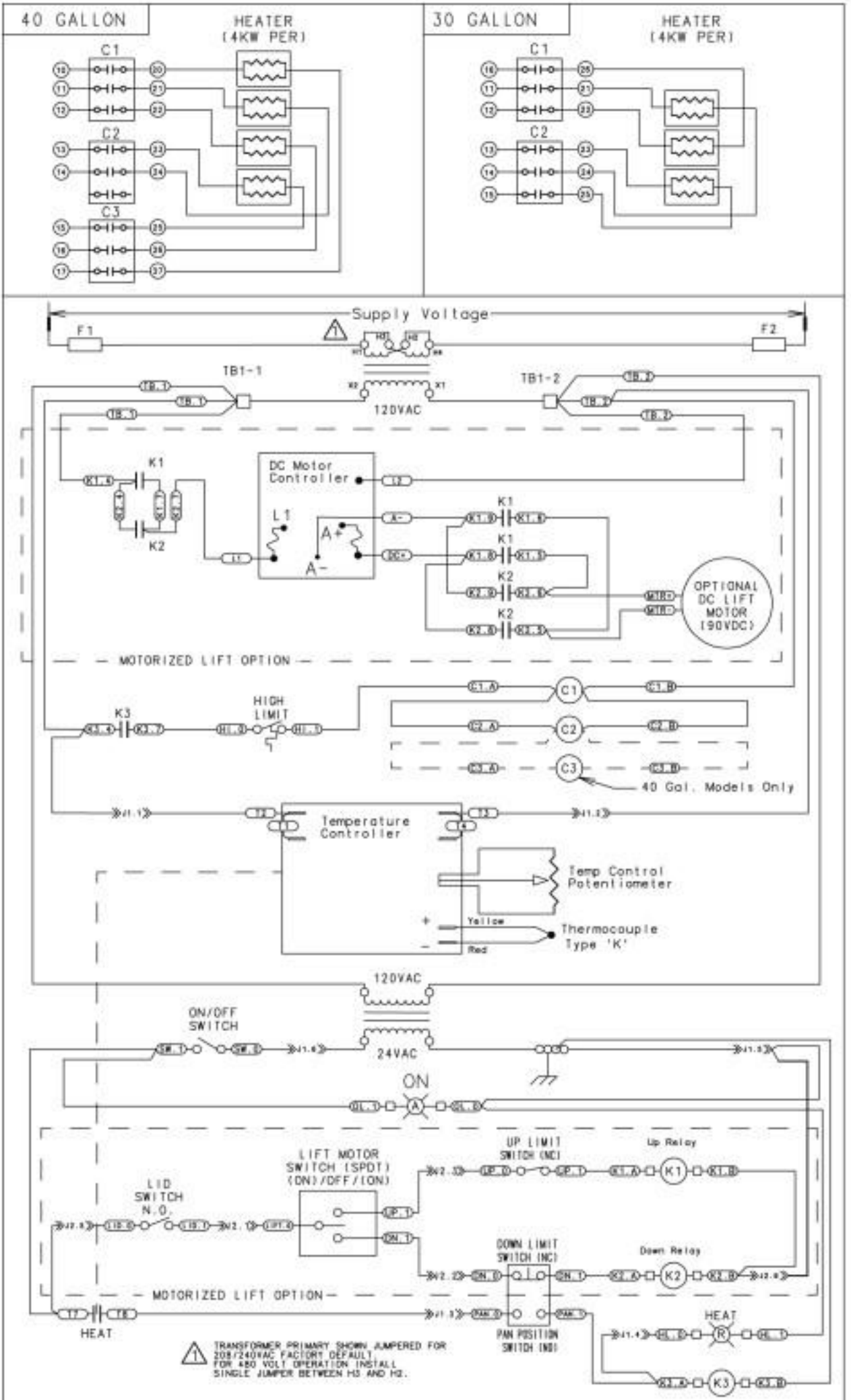
AI1378

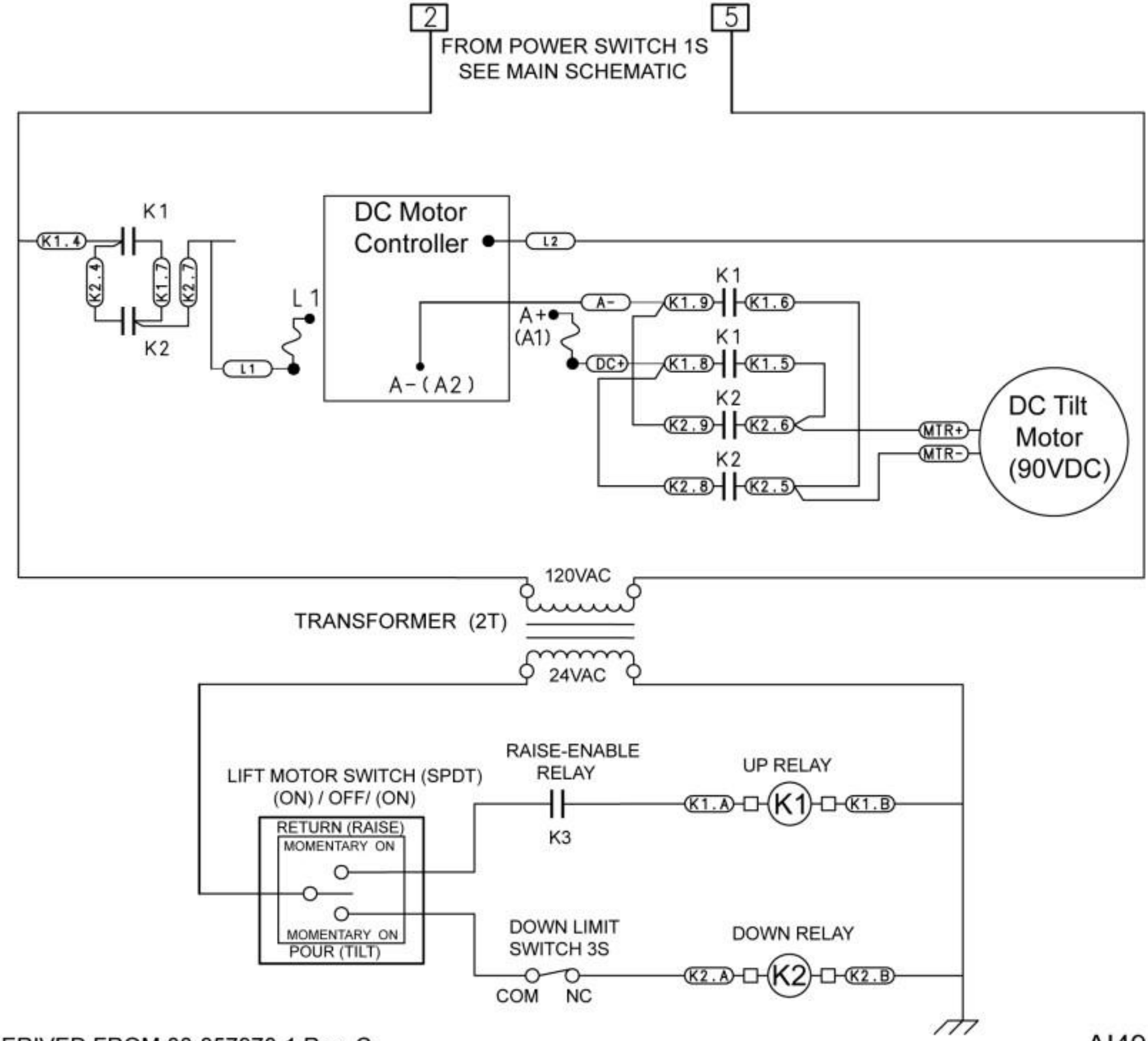
40 GALLON



30 GALLON

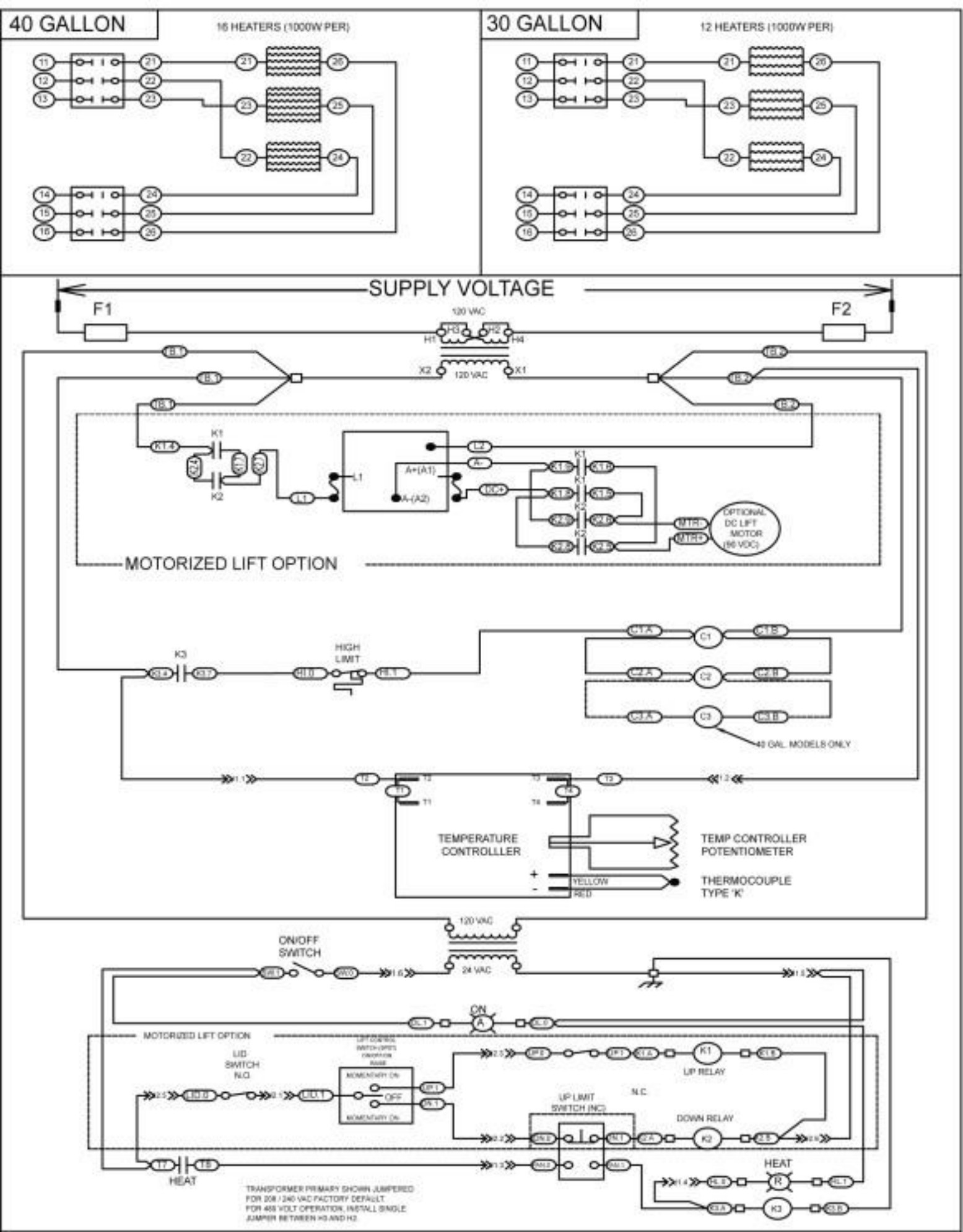


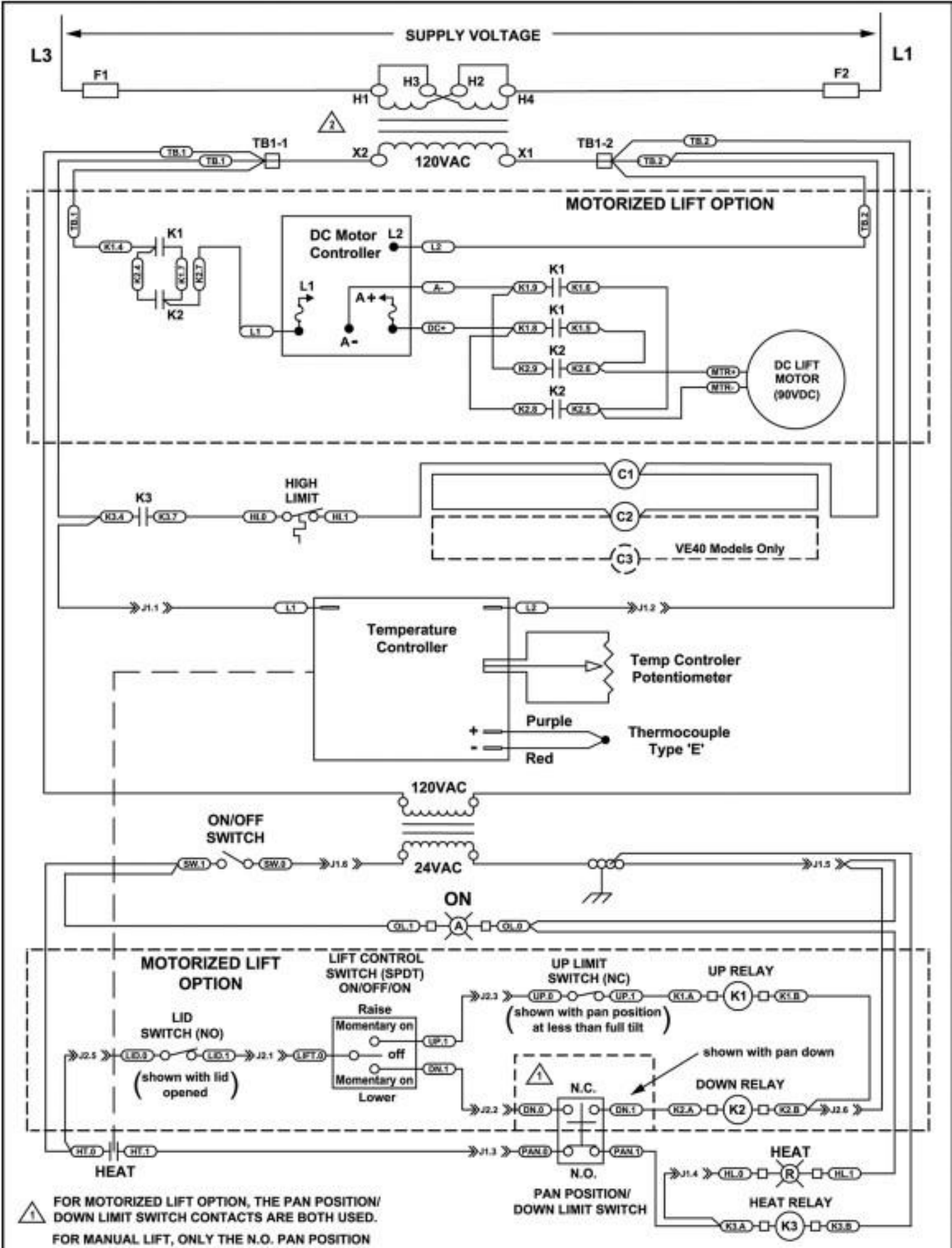

40 GALLON
HEATER (4KW PER)
C1
C2
C3
30 GALLON
HEATER (4KW PER)
C1
C2
Supply Voltage
F1
F2
H1
H2
X1
X2
120VAC
TB1-1
TB1-2
K1
K2
DC Motor Controller
L1
A+
A-
OPTIONAL DC LIFT MOTOR (90VDC)
MOTORIZED LIFT OPTION
K3
HIGH LIMIT
C1
C2
C3
40 Gal. Models Only
Temperature Controller
Temp Control Potentiometer
Yellow
Red
Thermocouple Type 'K'
120VAC
24VAC
ON/OFF SWITCH
ON
LID SWITCH N.O.
LIFT MOTOR SWITCH (SPDT) (ON)/OFF/(ON)
UP LIMIT SWITCH (NC)
Up Relay
DOWN LIMIT SWITCH (NC)
Down Relay
MOTORIZED LIFT OPTION
HEAT
PAN POSITION SWITCH (NO)
HEAT
TRANSFORMER PRIMARY SHOWN JUMPERED FOR 208/240VAC FACTORY DEFAULT. FOR 480 VOLT OPERATION INSTALL SINGLE JUMPER BETWEEN H3 AND H2.



DERIVED FROM 00-857970-1 Rev. C

AI4957


40 GALLON
16 HEATERS (1000W PER)
30 GALLON
12 HEATERS (1000W PER)
SUPPLY VOLTAGE
F1
F2
120 VAC
H1
H3
H2
H4
X2
120 VAC
X1
K1
K2
L1
A+(A1)
A-(A2)
L2
A-
DC+
MTR-
MTR+
OPTIONAL DC LIFT MOTOR (56 VDC)
MOTORIZED LIFT OPTION
K3
HIGH LIMIT
C1
C2
C3
40 GAL. MODELS ONLY
T1
T4
TEMPERATURE CONTROLLLER
TEMP CONTROLLER POTENTIOMETER
YELLOW
RED
THERMOCOUPLE TYPE 'K'
120 VAC
ON/OFF SWITCH
24 VAC
ON
MOTORIZED LIFT OPTION
LID SWITCH N.O.
UP
OFF
DOWN
UP RELAY
N.C.
UP LIMIT SWITCH (NC)
DOWN RELAY
HEAT
HEAT
TRANSFORMER PRIMARY SHOWN JUMPERED FOR 208 / 240 VAC FACTORY DEFAULT. FOR 480 VOLT OPERATION, INSTALL SINGLE JUMPER BETWEEN H3 AND H2.


SUPPLY VOLTAGE
L3
L1
F1
F2
H1
H2
H3
H4
2
TB1-1
TB1-2
X2
X1
120VAC
TB.1
TB.2
MOTORIZED LIFT OPTION
K1
K2
DC Motor Controller
L2
L1
A+
A-
K1.4
K2.4
K1.7
K2.7
K1.9
K1.6
K1.8
K1.5
K2.9
K2.6
K2.8
K2.5
MTR+
MTR-
DC LIFT MOTOR (90VDC)
K3
HIGH LIMIT
K3.4
K3.7
HI.0
HI.1
C1
C2
C3
VE40 Models Only
J1.1
J1.2
Temperature Controller
Temp Controler Potentiometer
Purple
Red
Thermocouple Type 'E'
120VAC
ON/OFF SWITCH
SW.1
SW.2
J1.6
24VAC
J1.5
ON
OL.1
OL.0
MOTORIZED LIFT OPTION
LIFT CONTROL SWITCH (SPDT) ON/OFF/ON
Raise
Momentary on
off
Momentary on
Lower
UP.1
DN.1
LID SWITCH (NO)
LID.0
LID.1
(shown with lid opened)
J2.5
J2.1
LFT.0
J2.3
J2.2
UP LIMIT SWITCH (NC)
UP.0
UP.1
(shown with pan position at less than full tilt
UP RELAY
K1.A
K1.B
shown with pan down
1
N.C.
DOWN RELAY
DN.0
DN.1
K2.A
K2.B
J2.6
HT.0
HT.1
HEAT
J1.3
PAN.0
PAN.1
N.O.
PAN POSITION/ DOWN LIMIT SWITCH
HEAT
J1.4
HL.0
HL.1
R
HEAT RELAY
K3.A
K3.B
1 FOR MOTORIZED LIFT OPTION, THE PAN POSITION/ DOWN LIMIT SWITCH CONTACTS ARE BOTH USED.
FOR MANUAL LIFT, ONLY THE N.O. PAN POSITION

Commercial Kitchen Equipment Parts

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Call 833-700-8006

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