

UNIT CONTAINS 2 SOURCES OF SUPPLY  
ENSURE BOTH ARE OFF BEFORE SERVICING

CHECK UNIT RATING  
 PLATE FOR THIS UNIT'S  
 KILOWATT POWER INPUT.

**480 VOLT PHASE LOAD**

TOTAL KW	KW/PHASE		
	X-Y	X-Z	Y-Z
24	8	8	8
17	5.66	5.66	5.66
14	4.66	4.66	4.66
	AMPS PER LINE		
	X	Y	Z
24	29	29	29
17	20	20	20
14	17	17	17

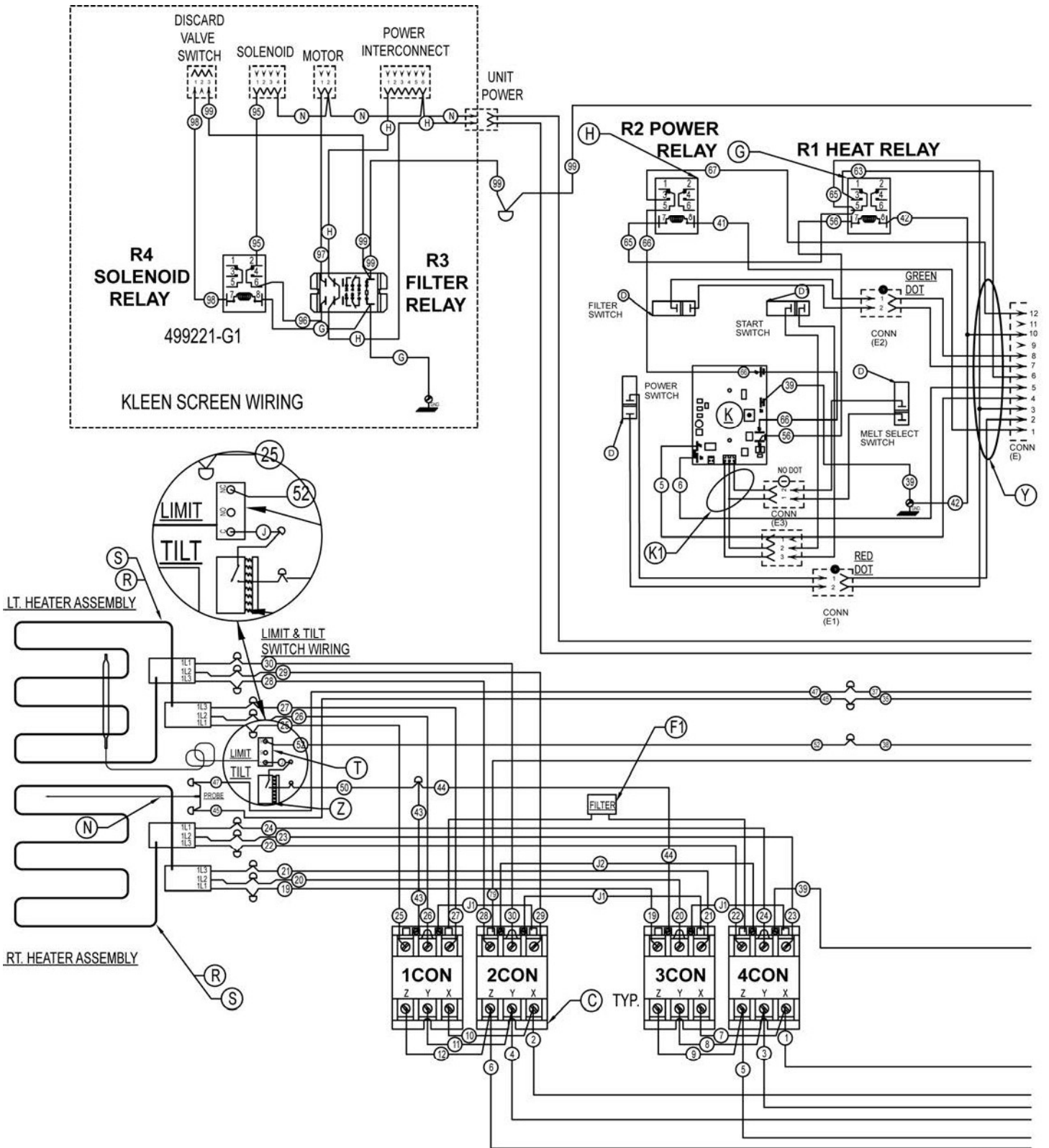
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 957332-2 REV C**

**AI 2859**

**480V Fryers Shown With KleenScreen Filtration System**

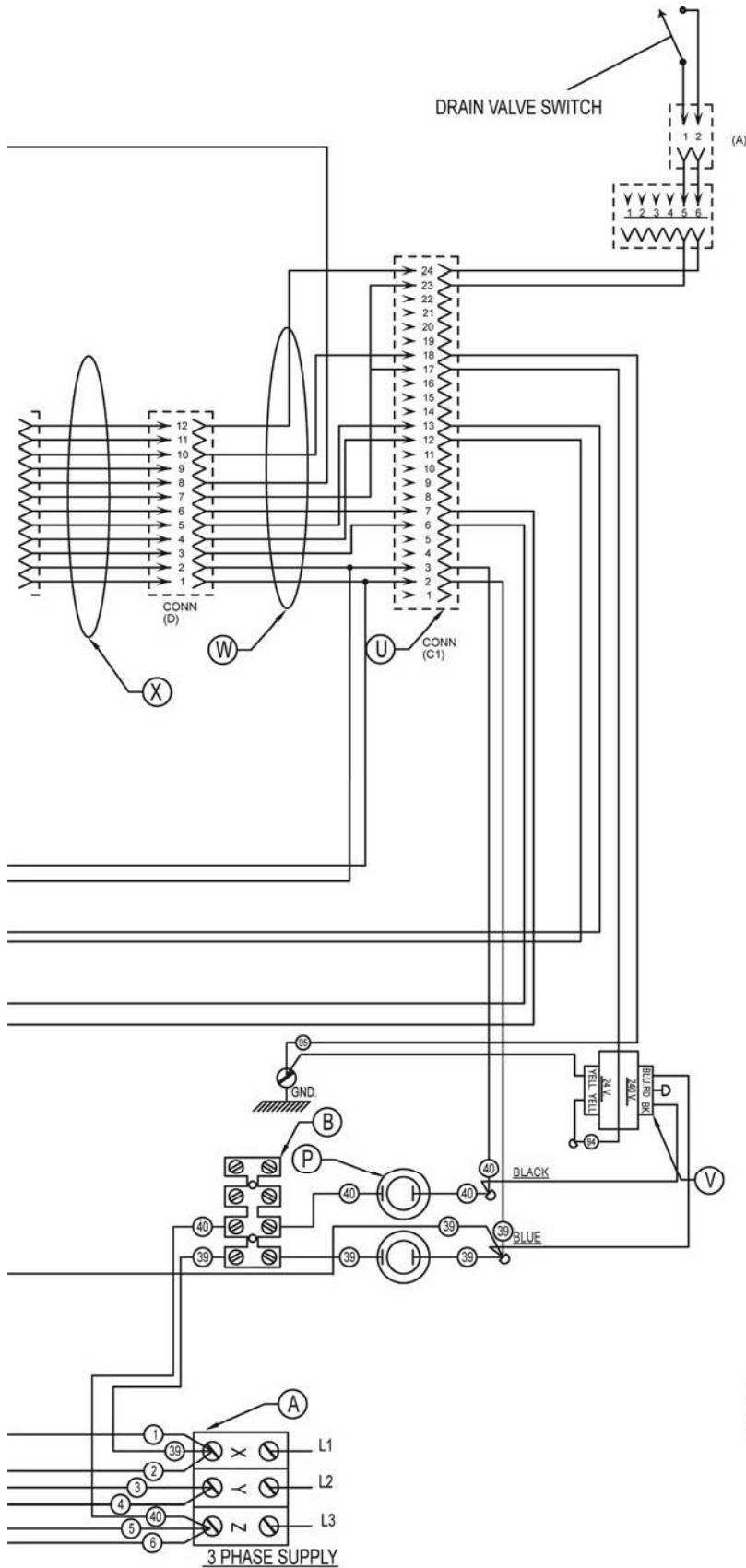
**WIRING DIAGRAMS**

Refer to: Diagrams (11 x 17 pdf file)



AI 2860

208V & 240V (14, 17 kW) Fryers Shown With KleenScreen Filtration System (Sheet 1)



208-240 VOLT PHASE LOAD

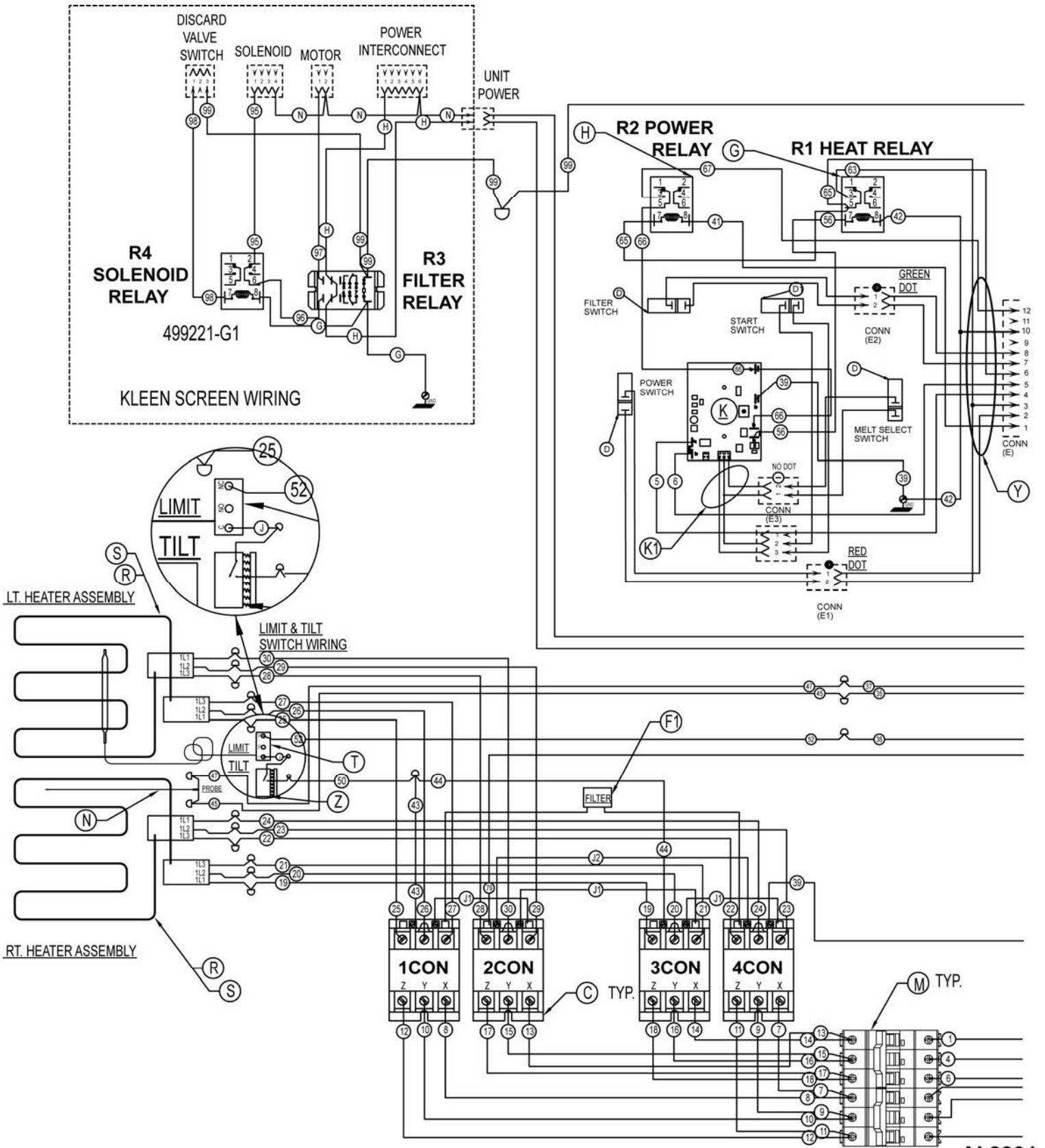
TOTAL KW	KW/PHASE		
	X-Y	X-Z	Y-Z
17	5.6	5.6	5.6
14	4.6	4.6	4.6
AMPS PER LINE 208 VOLT			
	X	Y	Z
17	47	47	47
14	39	39	39
AMPS PER LINE 240 VOLT			
	X	Y	Z
17	41	41	41
14	34	34	34

1	1	F1	FILTER ASSEMBLY SINGLE	
1	1	Z	SWITCH, LIMIT	WIRED MAGNET
1	1	Y	HARNESS-CONTROL BOX	
1	1	X	HARNESS-POWER TO CONTROL BOX	
1	1	V	TRANSFORMER 40 VA. 240V./24V.	
1	-	W	HARNESS-POWER DISTRIBUTION	
1	1	U	HARNESS-CABLE ASSEMBLY	
1	1	T	2ED HIGH LIMIT 460 F	
2	-	S	ELEMENT, FIREBAR 8.5KW	208 V. 240 V.
-	2	R	ELEMENT, FIREBAR 7KW	208 V. 240 V.
2	2	P	FUSE & HOLDER	HOLDER FUSE
1	1	N	THERMISTOR PROBE	
1	1	K1	NCC CONTROL HARNESS	
1	1	K	NCC TEMPERATURE CONTROL	
1	1	H	RELAY, DPDT 240V COIL	
1	1	G	RELAY, DPDT 24V COIL	
1	1	D1	ROCKER SWITCH ASSEMBLY- START	
2	2	D	ROCKER SWITCH ASSEMBLY	
4	4	C	CONTACTOR 3P 40A 230V COIL	
1	1	B	STRIP-TERMINAL BARRIER	
1	1	A	TERMINAL BLOCK	

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956934-2 REV. C

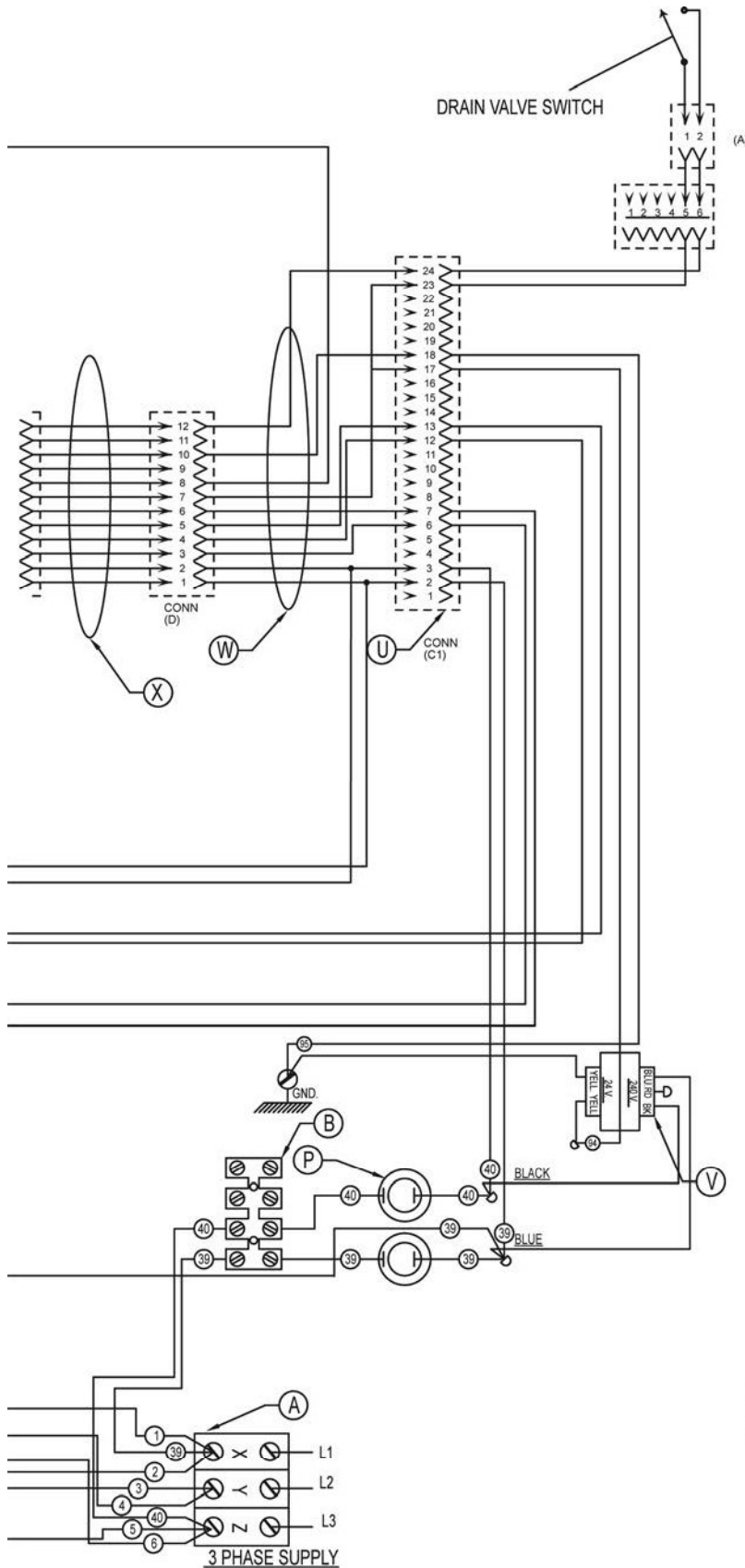
AI 2861

208V & 240V (14, 17 kW) Fryers Shown With KleenScreen Filtration System (Sheet 2)



AI 2891

208V & 240V (24 kW) Fryers Shown With KleenScreen Filtration System (Sheet 1)



208-240 VOLT PHASE LOAD

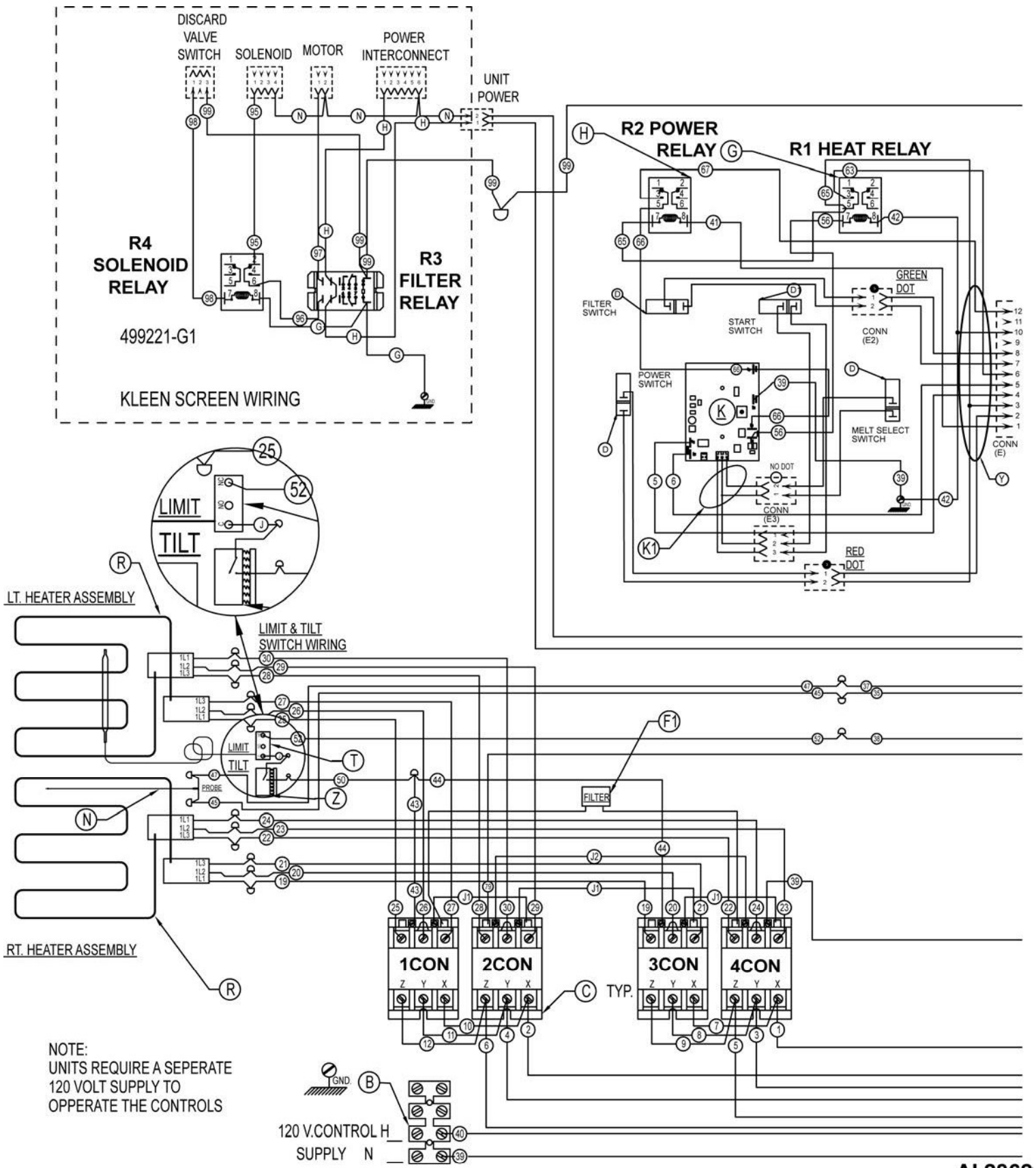
TOTAL KW	KW/PHASE		
	X-Y	X-Z	Y-Z
24	8	8	8
AMPS PER LINE 208 VOLT			
	X	Y	Z
24	67	67	67
AMPS PER LINE 240 VOLT			
	X	Y	Z
24	58	58	58

1	-	F1	FILTER ASSEMBLY SINGLE	
1	-	Z	SWITCH, LIMIT	WIRED MAGNET
1	-	Y	HARNESS-CONTROL BOX	
1	-	X	HARNESS-POWER TO CONTROL BOX	
1	-	W	HARNESS-POWER DISTRIBUTION	
1	-	V	TRANSFORMER, 40 VA 240V/24V.	
1	-	U	HARNESS-CABLE ASSEMBLY	
1	-	T	2ED HIGH LIMIT 460 F	
2	-	S	ELEMENT, FIREBAR 12KW	208 V. 240 V.
2	-	P	FUSE & HOLDER	HOLDER FUSE
1	-	N	THERMISTOR PROBE	
2	-	M	CIRCUIT BREAKER 50A 3 POLE	
1	-	L	RELAY, TYCO T92S11 DPDT 24V COIL	
1	-	K1	NCC CONTROL HARNESS	
1	-	K	NCC TEMPERATURE CONTROL	
1	-	H	RELAY, DPDT 240V COIL	
2	-	G	RELAY, DPDT 24V COIL	
1	-	D1	ROCKER SWITCH ASSEMBLY- START	
3	-	D	ROCKER SWITCH ASSEMBLY	
4	-	C	CONTACTOR 3P 40A 230V COIL	
1	-	B	STRIP-TERMINAL BARRIER	
1	-	A	TERMINAL BLOCK	

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956933-2 REV. C

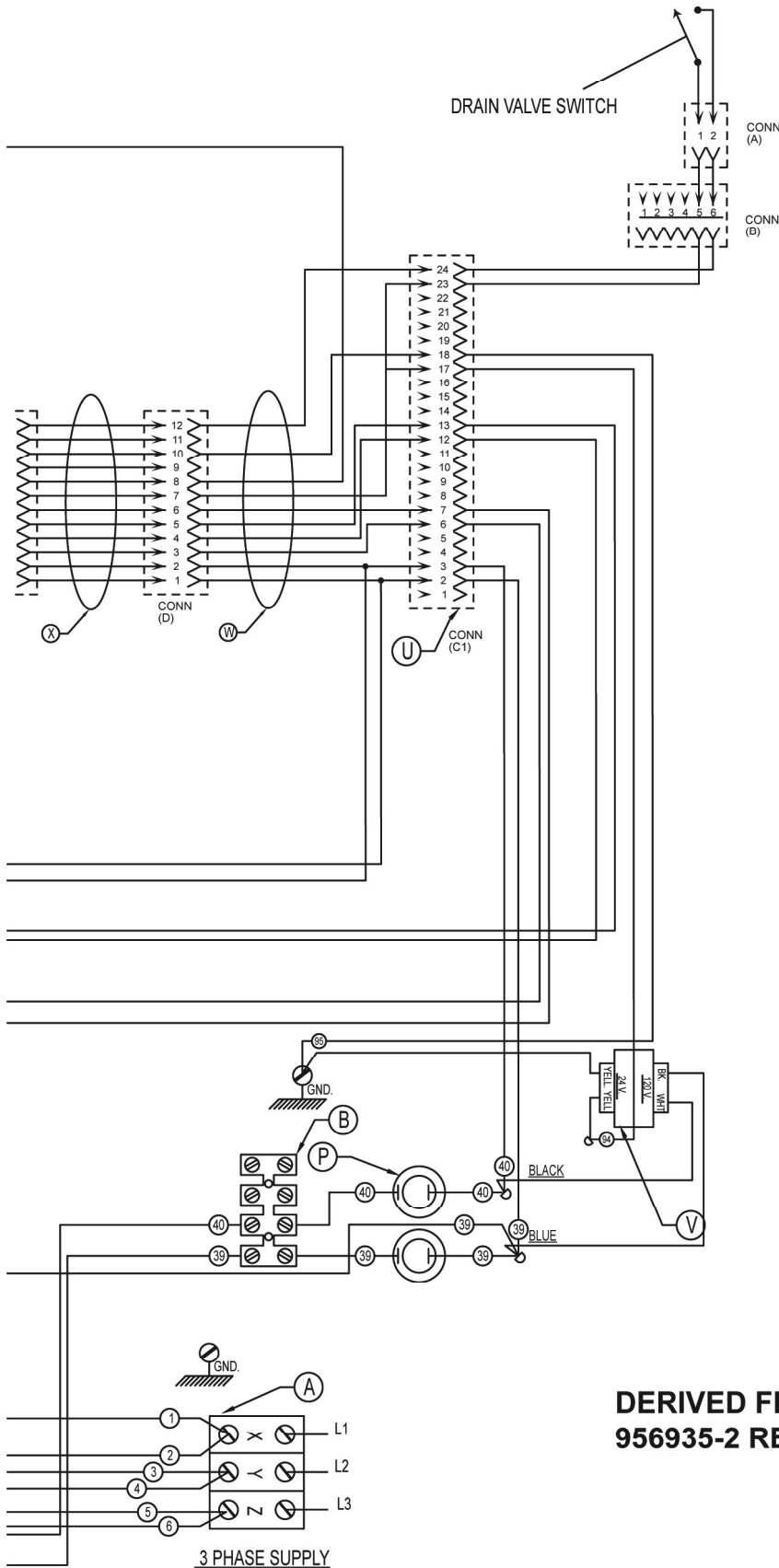
AI 2892

208V & 240V (24 kW) Fryers Shown With KleenScreen Filtration System (Sheet 2)



AI 2862

480V Fryers Shown With KleenScreen Filtration System (Sheet 1)



480 VOLT PHASE LOAD

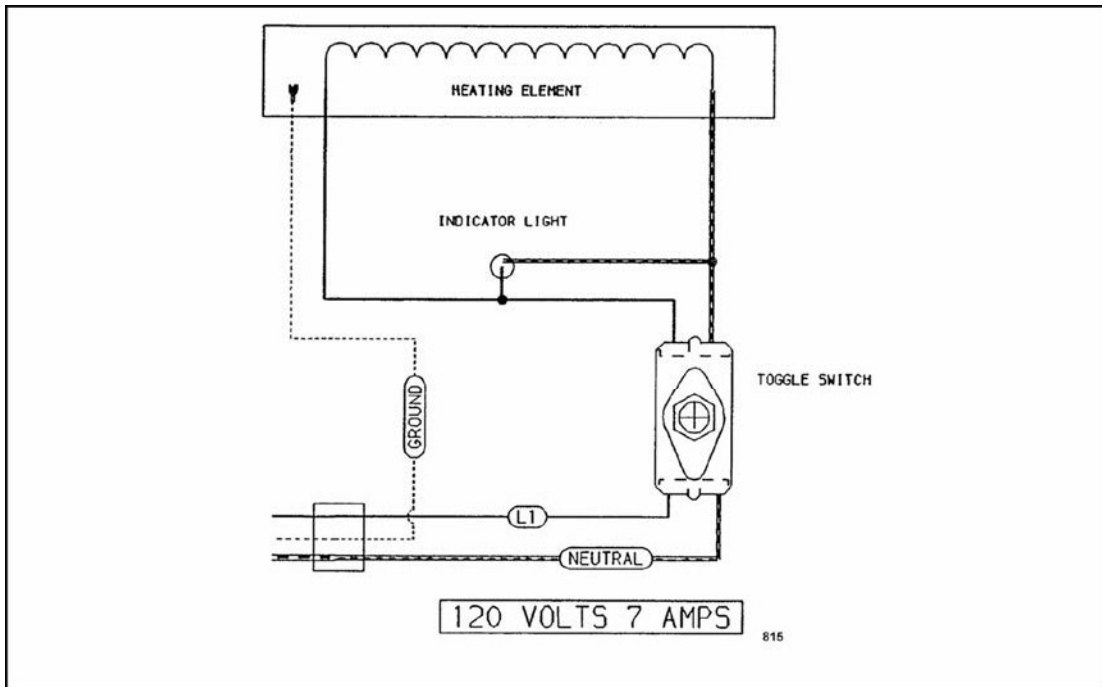
TOTAL KW	KW/PHASE		
	X-Y	X-Z	Y-Z
24	8	8	8
17	5.66	5.66	5.66
14	4.66	4.66	4.66
	AMPS PER LINE		
	X	Y	Z
24	29	29	29
17	20	20	20
14	17	17	17

1	1	1	-	F1	FILTER ASSEMBLY SINGLE	
1	1	1	-	Z	SWITCH, LIMIT	WIRED MAGNET
1	1	1	-	Y	HARNES-CONTROL BOX	
1	1	1	-	X	HARNES-POWER TO CONTROL BOX	
1	1	1	-	W	HARNES-POWER DISTRIBUTION	
1	1	1	1	V	TRANSFORMER, 40VA 120/24VAC	
1	1	1	1	T	2ED HIGH LIMIT 460F	
2	-	-	-	R3	ELEMENT, FIREBAR 480V. 12 KW.	
-	2	-	-	R3	ELEMENT, FIREBAR 480V. 10.5 KW.	
-	-	2	-	R2	ELEMENT, FIREBAR 480V. 8.5 KW.	
-	-	-	2	R1	ELEMENT, FIREBAR 480V. 7 KW.	
2	2	2	2	P	FUSE & HOLDER	HOLDER FUSE
1	1	1	1	N	THERMISTOR PROBE	
1	1	1	1	K1	NCC CONTROL HARNES	
1	1	1	1	K	NCC TEMPERATURE CONTROL	
1	1	1	1	H	RELAY DPDT 120V COIL	
1	1	1	1	G	RELAY, DPDT 24V COIL	
1	1	1	1	D1	ROCKER SWITCH ASSEMBLY - START	
2	2	2	2	D	ROCKER SWITCH ASSEMBLY	
4	4	4	4	C	CONTACTOR 3P 40A 120V COIL	
2	2	2	2	B	STRIP-TERMINAL BARRIER	
1	1	1	1	A	TERMINAL BLOCK	

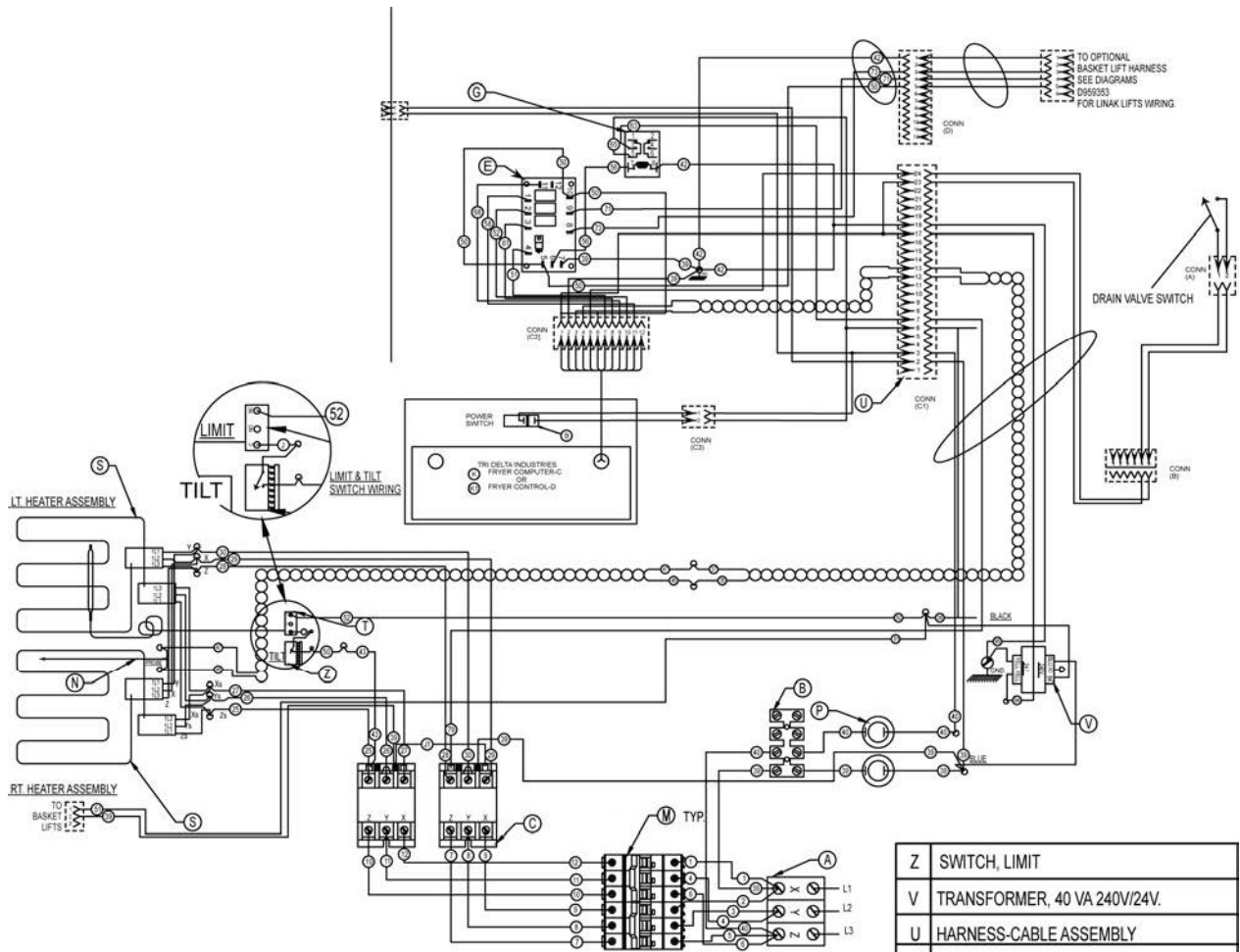
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AI 2863

480V Fryers Shown With KleenScreen Filtration System (Sheet 2)



**Frymate (Dump Station)**



208-240 VOLT PHASE LOAD

TOTAL KW	KW/PHASE		
	X-Y	X-Z	Y-Z
24	8	8	8
AMPS PER LINE 208 VOLT			
	X	Y	Z
24	67	67	67
AMPS PER LINE 240 VOLT			
	X	Y	Z
24	58	58	58

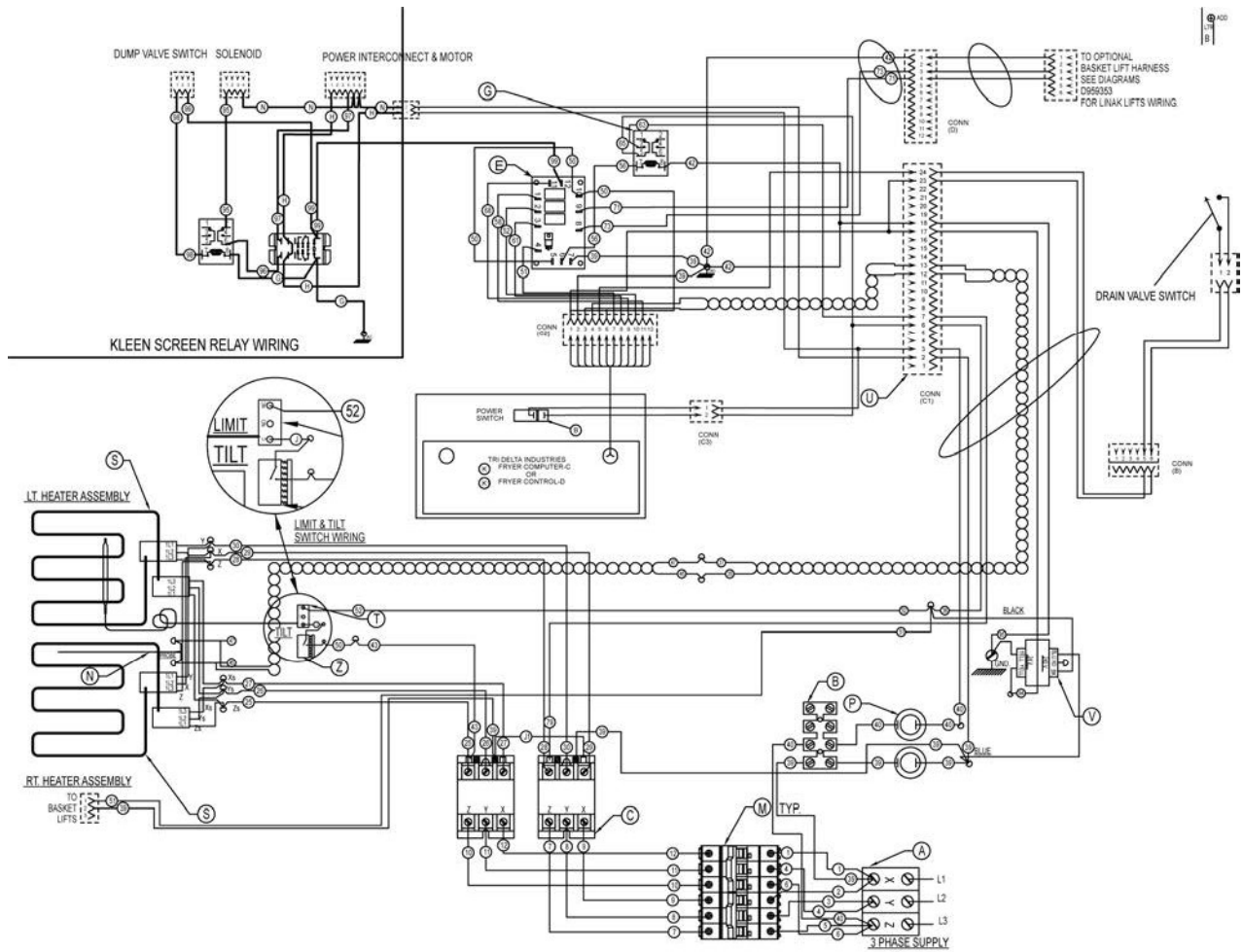
WIRING DIA. 208 & 240 VOLT DIGITAL  
 24 KW. STAND ALONE SOLID STATE SWITCHING  
 3 PHASE SUPPLY

Z	SWITCH, LIMIT
V	TRANSFORMER, 40 VA 240V/24V.
U	HARNESS-CABLE ASSEMBLY
T	2ED HIGH LIMIT 460 F
S	ELEMENT, FIREBAR 12KW
P	FUSE & HOLDER
N	THERMISTOR PROBE
M	CIRCUIT BREAKER 50A 3 POLE
K1	NCC CONTROL W/TIMER(S)
K	NCC COMPUTER
G	RELAY, DPDT 24V COIL
E	CONTROL, INTERFACE TRIDELTA
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 230V COIL
B	STRIP-TERMINAL BARRIER
A	TERMINAL BLOCK

DERIVED FROM 00-959321-1 Rev B Refer to Schematic 428281-1

AI4996

Fig. 45



208-240 VOLT PHASE LOAD

TOTAL KW	KW/PHASE		
	X-Y	X-Z	Y-Z
24	8	8	8
AMPS PER LINE 208 VOLT			
24	67	67	67
AMPS PER LINE 240 VOLT			
24	58	58	58

Z	SWITCH, LIMIT
V	TRANSFORMER 40 VA. 240V./24V.
U	HARNES-CABLE ASSEMBLY
T	2ED HIGH LIMIT 460 F
S	ELEMENT, FIREBAR 12KW
P	FUSE & HOLDER
N	THERMISTOR PROBE
M	CIRCUIT BREAKER 50A 3 POLE
K1	NCCC CONTROL W/ TIMER(S)
K	NCC COMPUTER
G	RELAY, DPDT 24V COIL
E	CONTROL INTERFACE TRIDELTA
D1	ROCKER SWITCH ASSEMBLY- START
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 230V COIL
B	STRIP-TERMINAL BLOCK
A	TERMINAL BLOCK

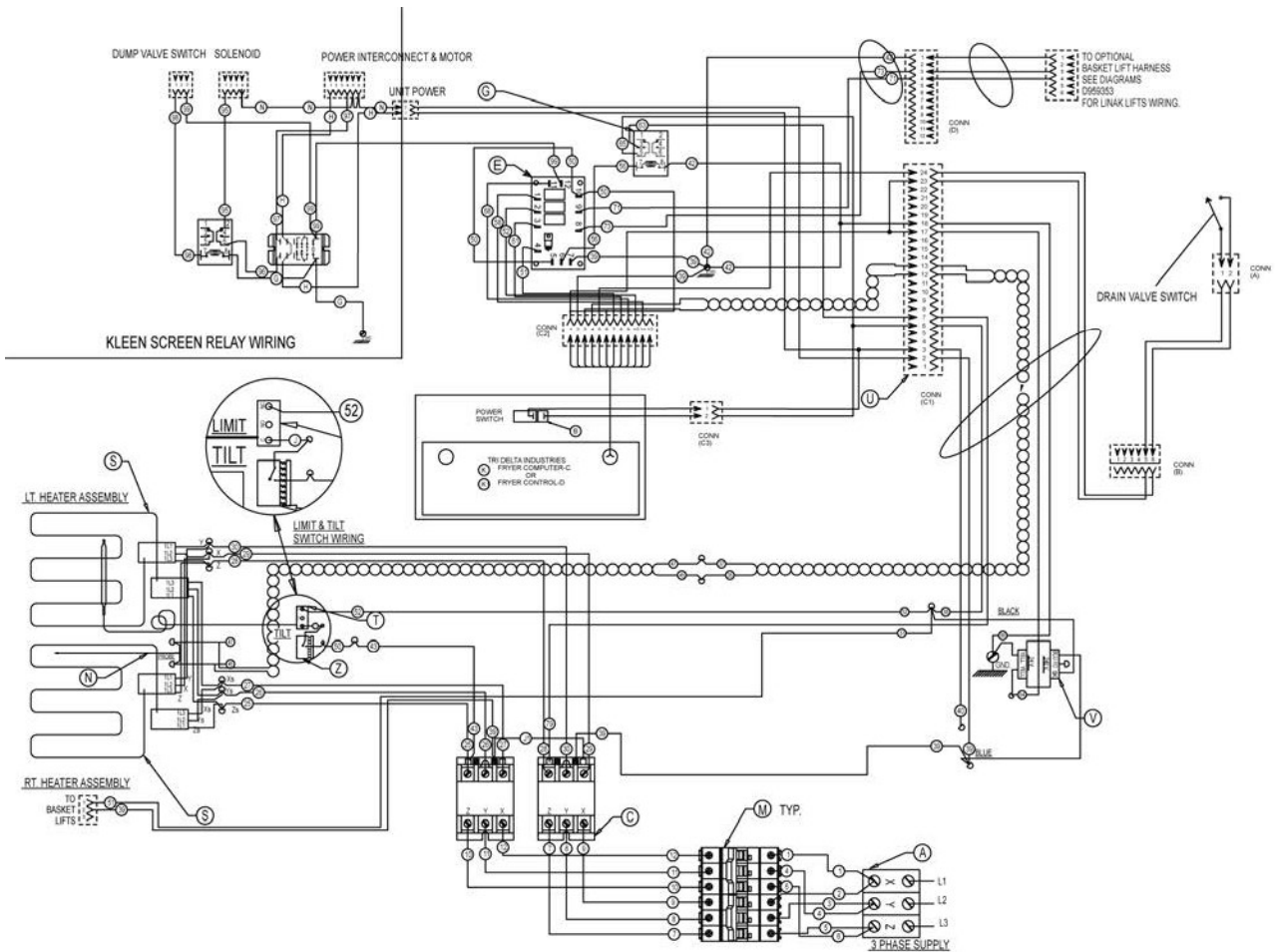
WIRING DIA. 208 & 240 VOLT DIGITAL  
24 KW. MASTER SOLID STATE SWITCHING

DERIVED FROM 00959321-2 Rev B Refer to Schematic 428281-1

AI4997

Fig. 46

ERA / EBD ELECTRIC FRYER - ELECTRICAL OPERATION



208-240 VOLT PHASE LOAD

TOTAL KW	KW/PHASE		
	X-Y	X-Z	Y-Z
24	8	8	8
AMPS PER LINE 208 VOLT			
	X	Y	Z
24	67	67	67
AMPS PER LINE 240 VOLT			
	X	Y	Z
24	58	58	58

Z	SWITCH, LIMIT
V	TRANSFORMER 40 VA. 240V./24V.
U	HARNES-CABLE ASSEMBLY
T	2ED HIGH LIMIT 460 F
S	ELEMENT, FIREBAR 12KW
N	THERMISTOR PROBE
M	CIRCUIT BREAKER 50A 3 POLE
K1	NCC CONTROL W / TIMER(S)
K	NCC COMPUTER
G	RELAY, DPDT 24V COIL
E	CONTROL, INTERFACE TRIDELTA
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 230V COIL
A	TERMINAL BLOCK

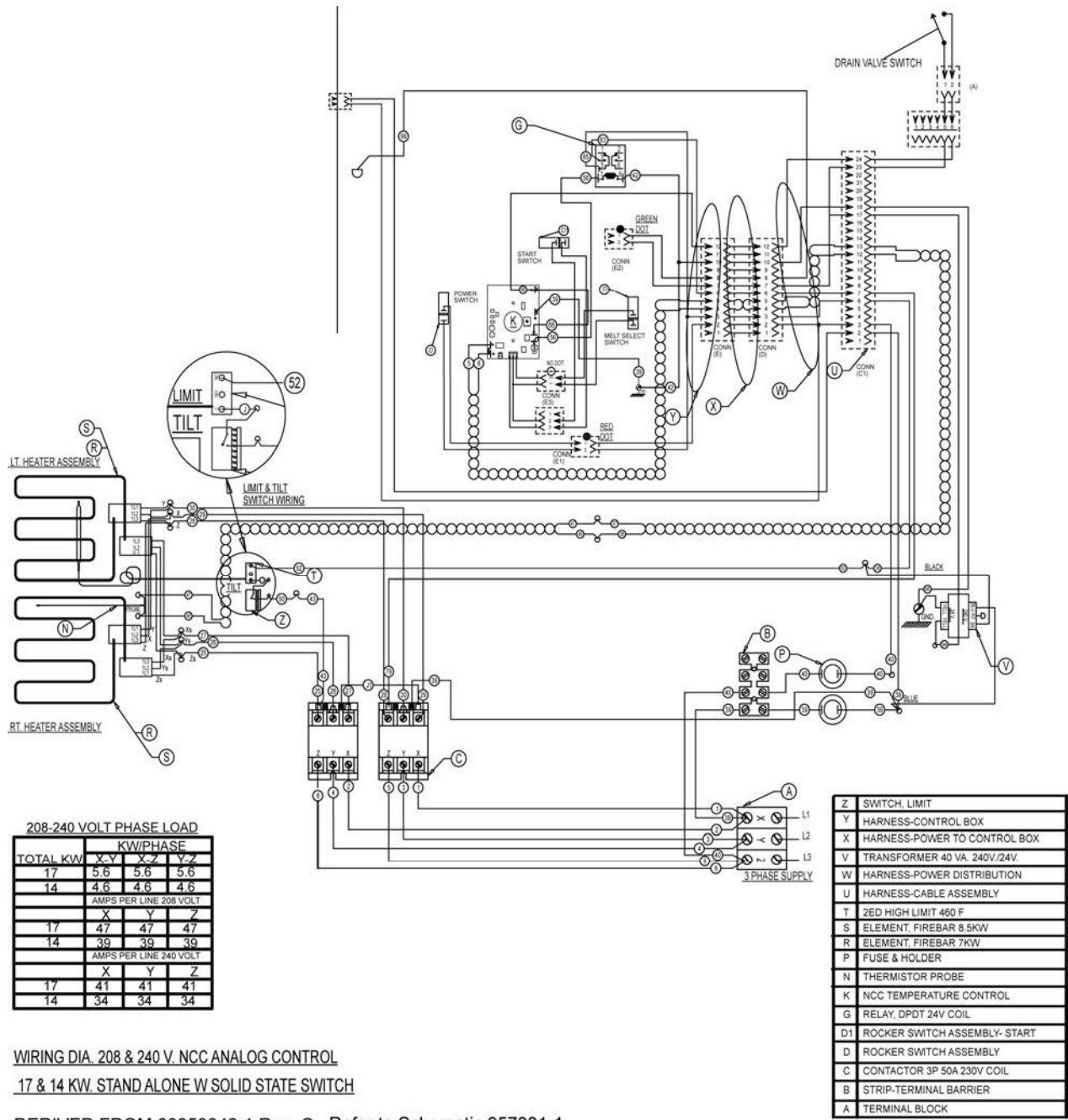
WIRING DIA. 208 & 240 VOLT DIGITAL

24 KW. SLAVE SOLID STATE SWITCHING

DERIVED FROM 00959321-3 Rev B Refer to Schematic 428281-1

AI4998

Fig. 47

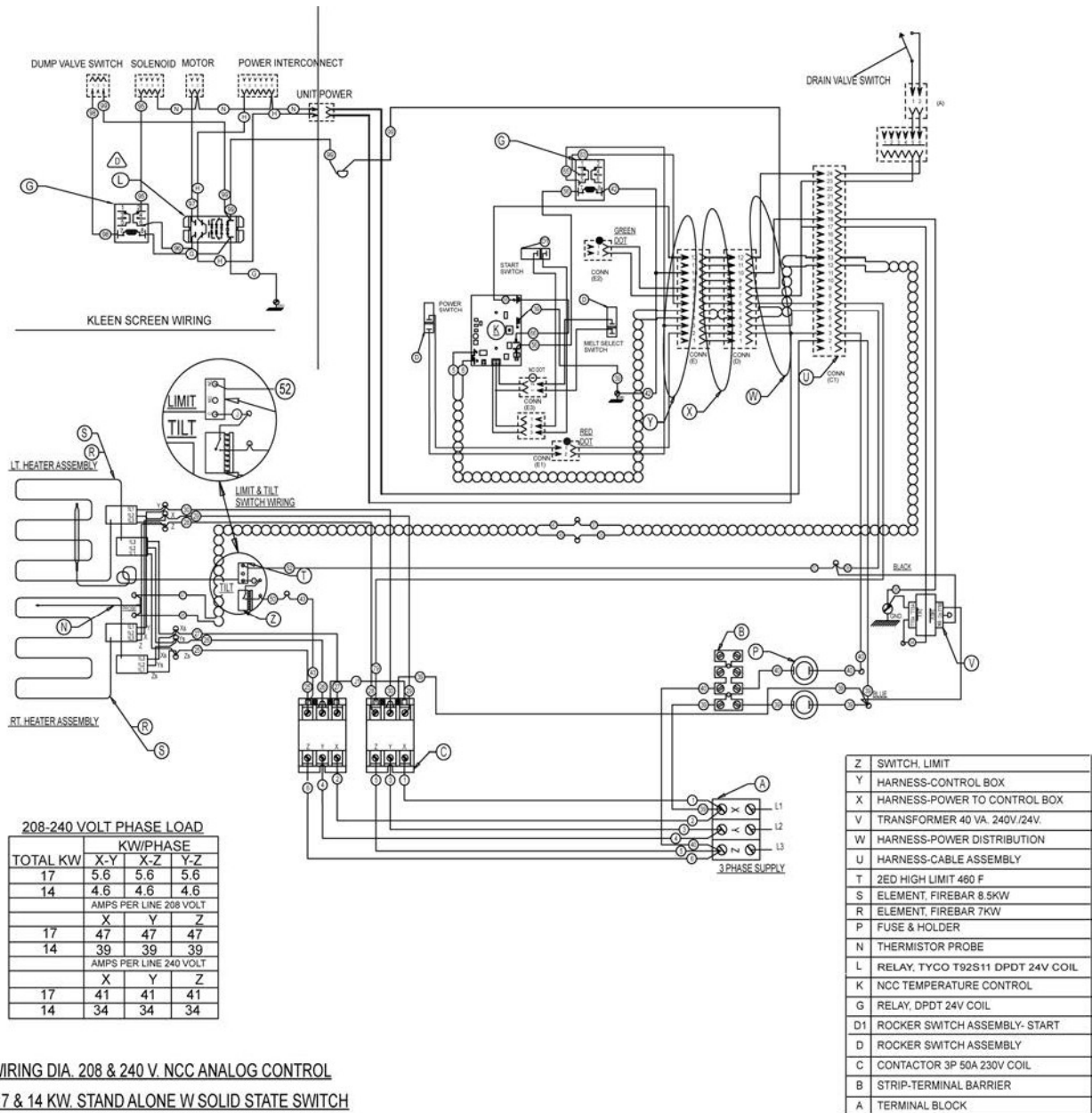


WIRING DIA. 208 & 240 V. NCC ANALOG CONTROL  
 17 & 14 KW. STAND ALONE W SOLID STATE SWITCH

DERIVED FROM 00959348-1 Rev C Refer to Schematic 957331-1

AI4999

Fig. 48



**208-240 VOLT PHASE LOAD**

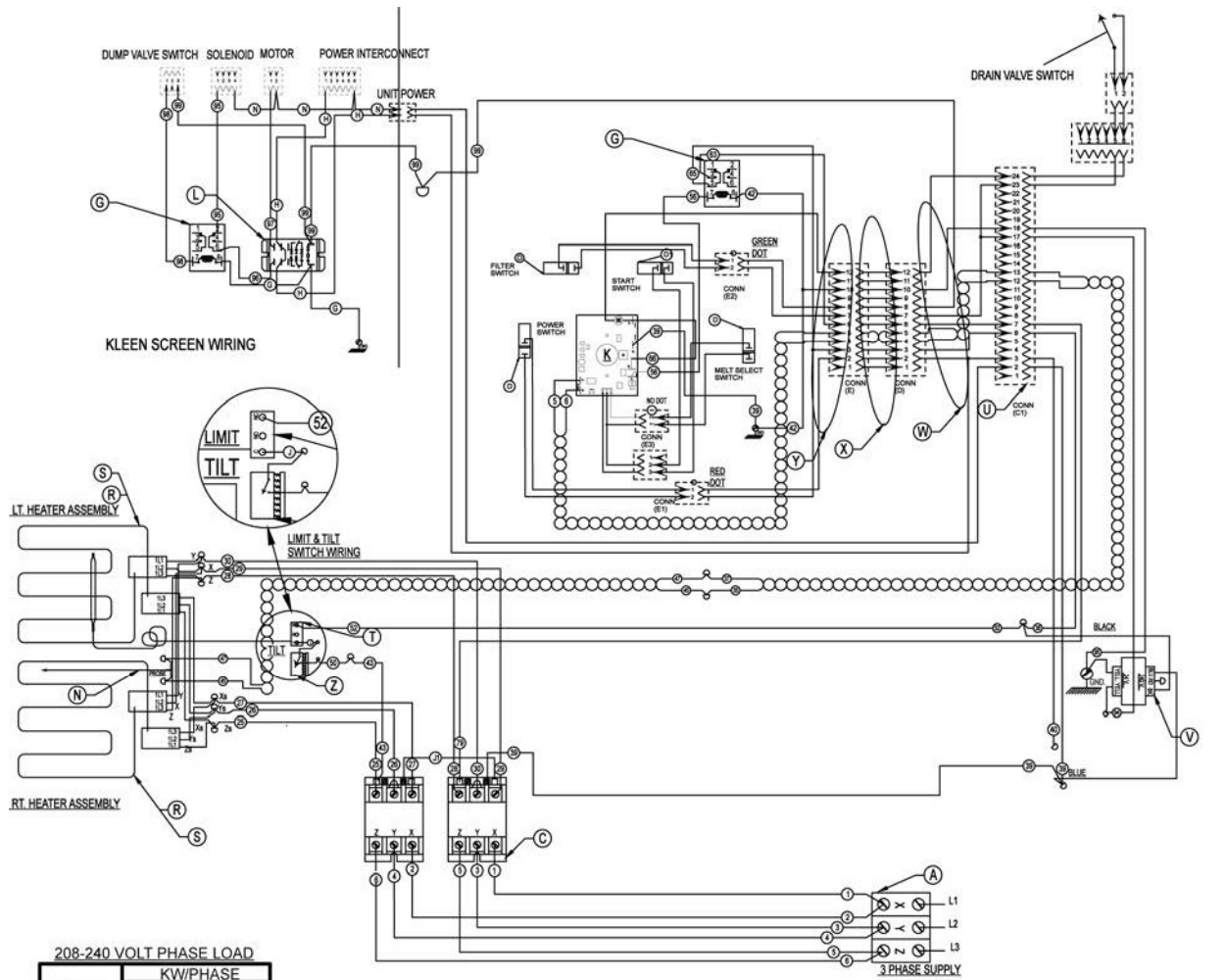
TOTAL KW	KW/PHASE		
	X-Y	X-Z	Y-Z
17	5.6	5.6	5.6
14	4.6	4.6	4.6
AMPS PER LINE 208 VOLT			
	X	Y	Z
17	47	47	47
14	39	39	39
AMPS PER LINE 240 VOLT			
	X	Y	Z
17	41	41	41
14	34	34	34

WIRING DIA. 208 & 240 V. NCC ANALOG CONTROL  
 17 & 14 KW. STAND ALONE W SOLID STATE SWITCH

DERIVED FROM 00959348-2 Rev C Refer to Schematic 957331-2

AI5000

Fig. 49



208-240 VOLT PHASE LOAD

TOTAL KW	KW/PHASE		
	X-Y	X-Z	Y-Z
17	5.6	5.6	5.6
14	4.6	4.6	4.6
AMPS PER LINE 208 VOLT			
	X	Y	Z
17	47	47	47
14	39	39	39
AMPS PER LINE 240 VOLT			
	X	Y	Z
17	41	41	41
14	34	34	34

Z	SWITCH, LIMIT
Y	HARNES-CONTROL BOX
X	HARNES-POWER TO CONTROL BOX
V	TRANSFORMER 40 VA. 240V/24V.
W	HARNES-POWER DISTRIBUTION
U	HARNES-CABLE ASSEMBLY
T	2ED HIGH LIMIT 460 F
S	ELEMENT, FIREBAR 8.5KW
R	ELEMENT, FIREBAR 7KW
N	THERMISTOR PROBE
L	RELAY, TYCO T92S11 DPDT 24V COIL
K	NCC TEMPERATURE CONTROL
G	RELAY, DPDT 24V COIL
D1	ROCKER SWITCH ASSEMBLY- START
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 230V COIL
A	TERMINAL BLOCK

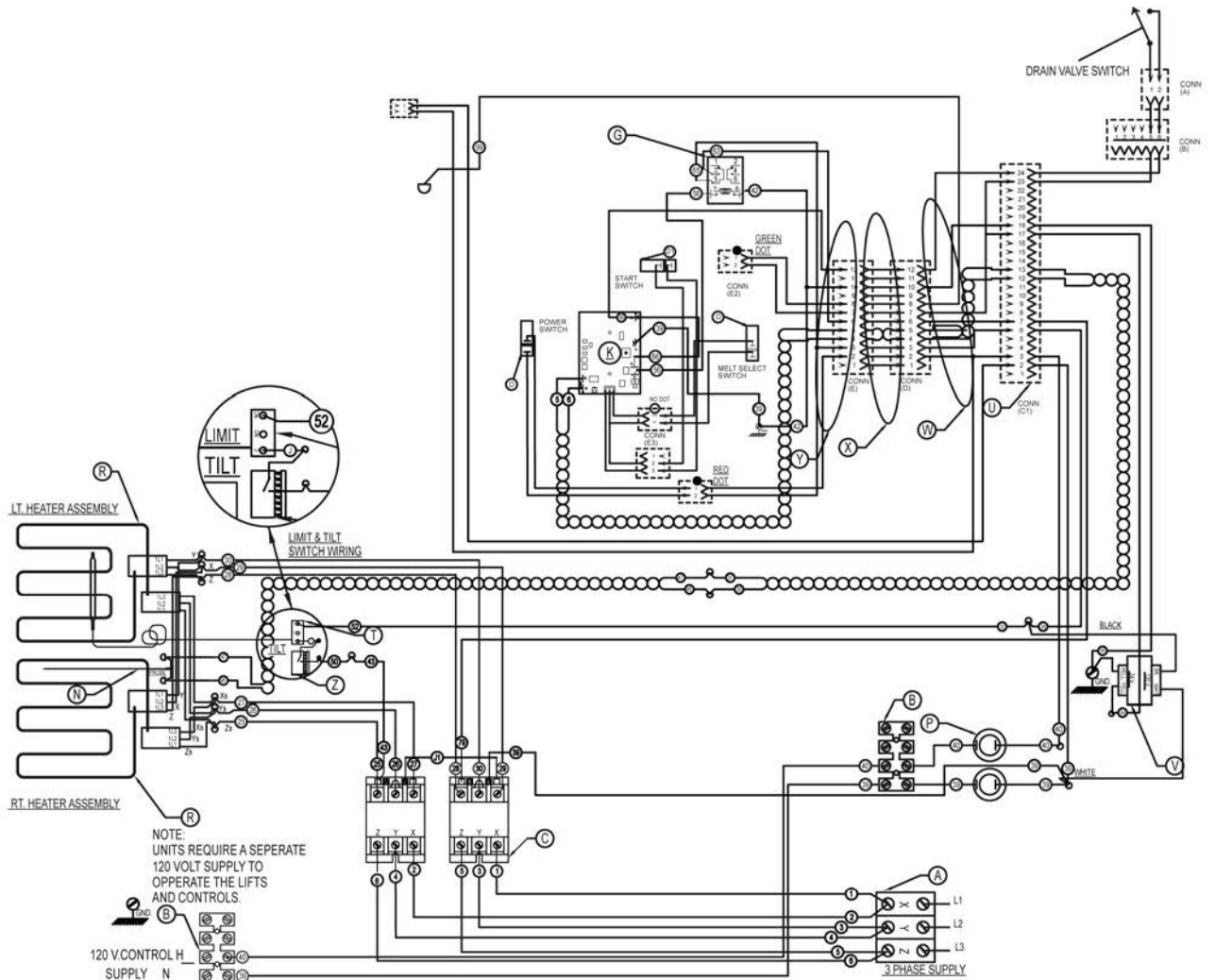
WIRING DIA. 208 & 240 V. NCC ANALOG CONTROL

17 & 14 KW. SLAVE SOLID STATE SWITCHING

DERIVED FROM 00959348-3 Rev C Refer to Schmatic 957331-2

A15001

Fig. 50



480 VOLT PHASE LOAD

TOTAL KW	KW/PHASE		
	X-Y	X-Z	Y-Z
24	8	8	8
17	5.66	5.66	5.66
14	4.66	4.66	4.66
AMPS PER LINE			
	X	Y	Z
24	29	29	29
17	20	20	20
14	17	17	17

Z	SWITCH, LIMIT
Y	HARNESS-CONTROL BOX
X	HARNESS-POWER TO CONTROL BOX
V	TRANSFORMER 40 VA. 240V./24V.
W	HARNESS-POWER DISTRIBUTION
U	HARNESS-CABLE ASSEMBLY
T	2ED HIGH LIMIT 480 F
S	ELEMENT, FIREBAR 8.5KW
R3	ELEMENT, FIREBAR 480V. 12KW
R3	ELEMENT, FIREBAR 480V. 10.5KW
R2	ELEMENT, FIREBAR 480V. 8.5KW
R1	ELEMENT, FIREBAR 480V. 7KW.
P	FUSE & HOLDER
N	THERMISTOR PROBE
N	THERMISTOR PROBE
K	NCC TEMPERATURE CONTROL
G	RELAY, DPDT 24V COIL
D1	ROCKER SWITCH ASSEMBLY- START
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 230V COIL
B	STRIP-TERMINAL BARRIER
A	TERMINAL BLOCK

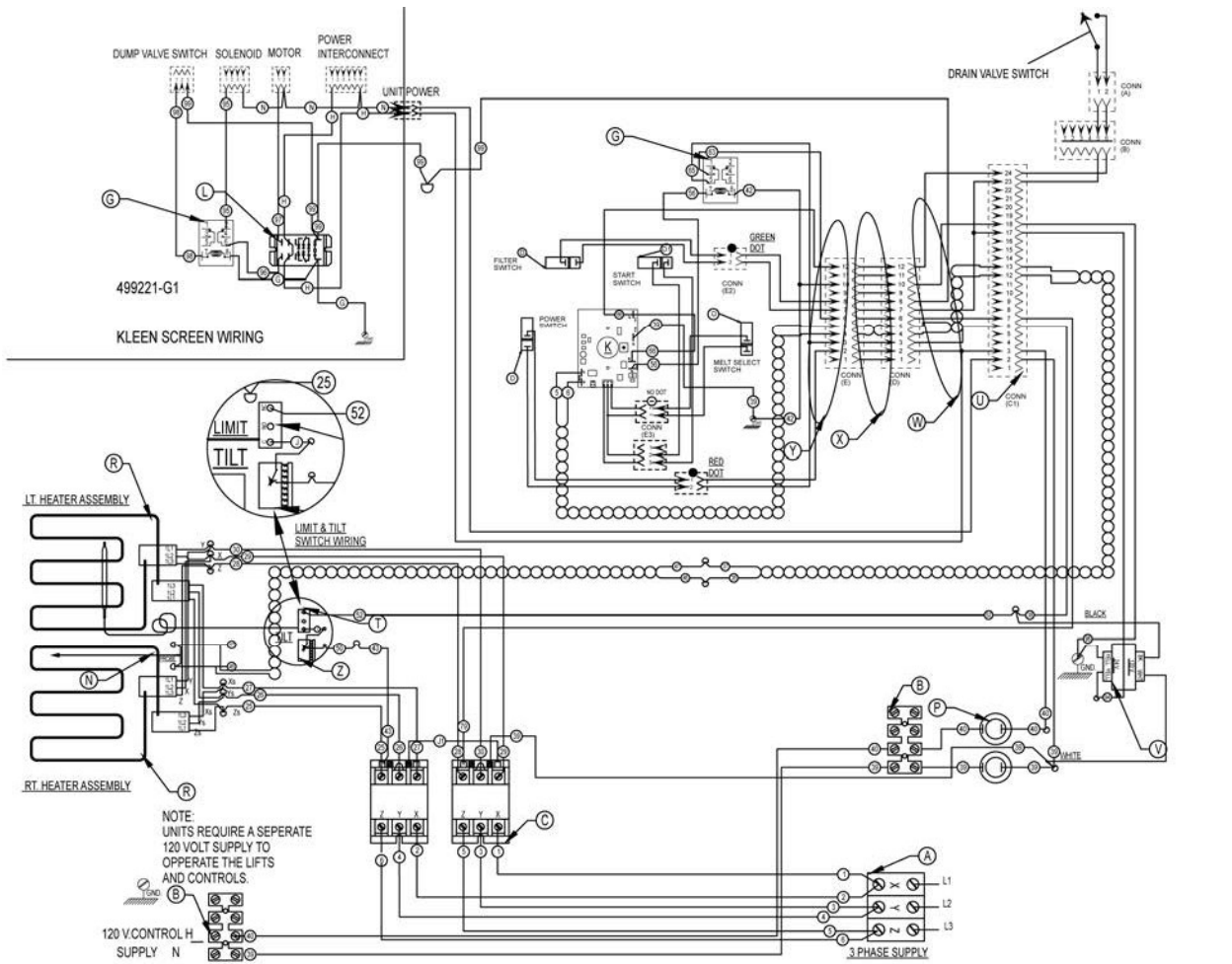
WIRING DIA. 480V NCC ANALOG CONTROL

24.21.17 & 14KW. STAND ALONE W SS SWITCHING

DERIVED FROM 00959349-1 Rev B Refer to Schematic 957332-1

AI5003

Fig. 51



**480 VOLT PHASE LOAD**

TOTAL KW	KW/PHASE		
	X-Y	X-Z	Y-Z
24	8	8	8
17	5.66	5.66	5.66
14	4.66	4.66	4.66
AMPS PER LINE			
	X	Y	Z
24	29	29	29
17	20	20	20
14	17	17	17

Z	SWITCH, LIMIT
Y	HARNES-CONTROL BOX
X	HARNES-POWER TO CONTROL BOX
W	HARNES-POWER DISTRIBUTION
V	TRANSFORMER 40 VA, 240V./24V.
U	HARNES-CABLE ASSEMBLY
T	2ED HIGH LIMIT 460 F
R3	ELEMENT, FIREBAR 480V 12 KW.
R3	ELEMENT, FIRBAR 480V 10.5 KW.
R2	ELEMENT, FIRBAR 480V 8.5 KW.
R1	ELEMENT, FIRBAR 480V 7 KW.
P	FUSE & HOLDER
N	THERMISTOR PROBE
N	THERMISTOR PROBE
L	RELAY, TYCO T92S11 DPDT 24V COIL
K	NCC TEMPERATURE CONTROL
H	RELAY, DPDT 120V COIL
G	RELAY, DPDT 24V COIL
D1	ROCKER SWITCH ASSEMBLY- START
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 230V COIL
B	STRIP-TERMINAL BARRIER
A	TERMINAL BLOCK

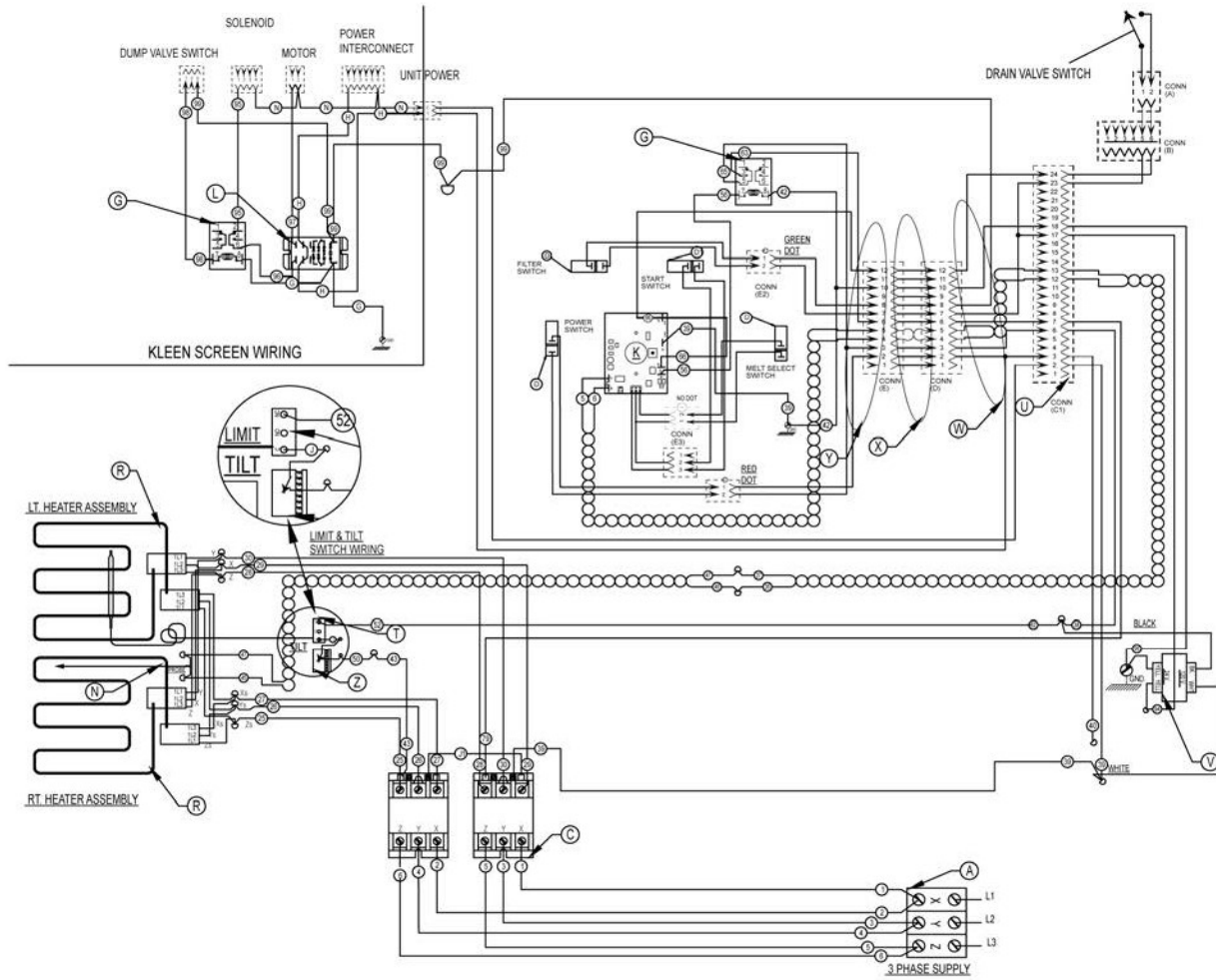
24.21.17 & 14KW. MASTER W SS SWITCHING

WIRING DIA. 480V NCC ANALOG CONTROL

DERIVED FROM 0959349-2 Rev B Refer to Schematic 957332-2

AI5002

**Fig. 52**



480 VOLT PHASE LOAD

TOTAL KW	KW/PHASE		
	X-Y	X-Z	Y-Z
24	8	8	8
17	5.66	5.66	5.66
14	4.66	4.66	4.66
AMPS PER LINE			
	X	Y	Z
24	29	29	29
17	20	20	20
14	17	17	17

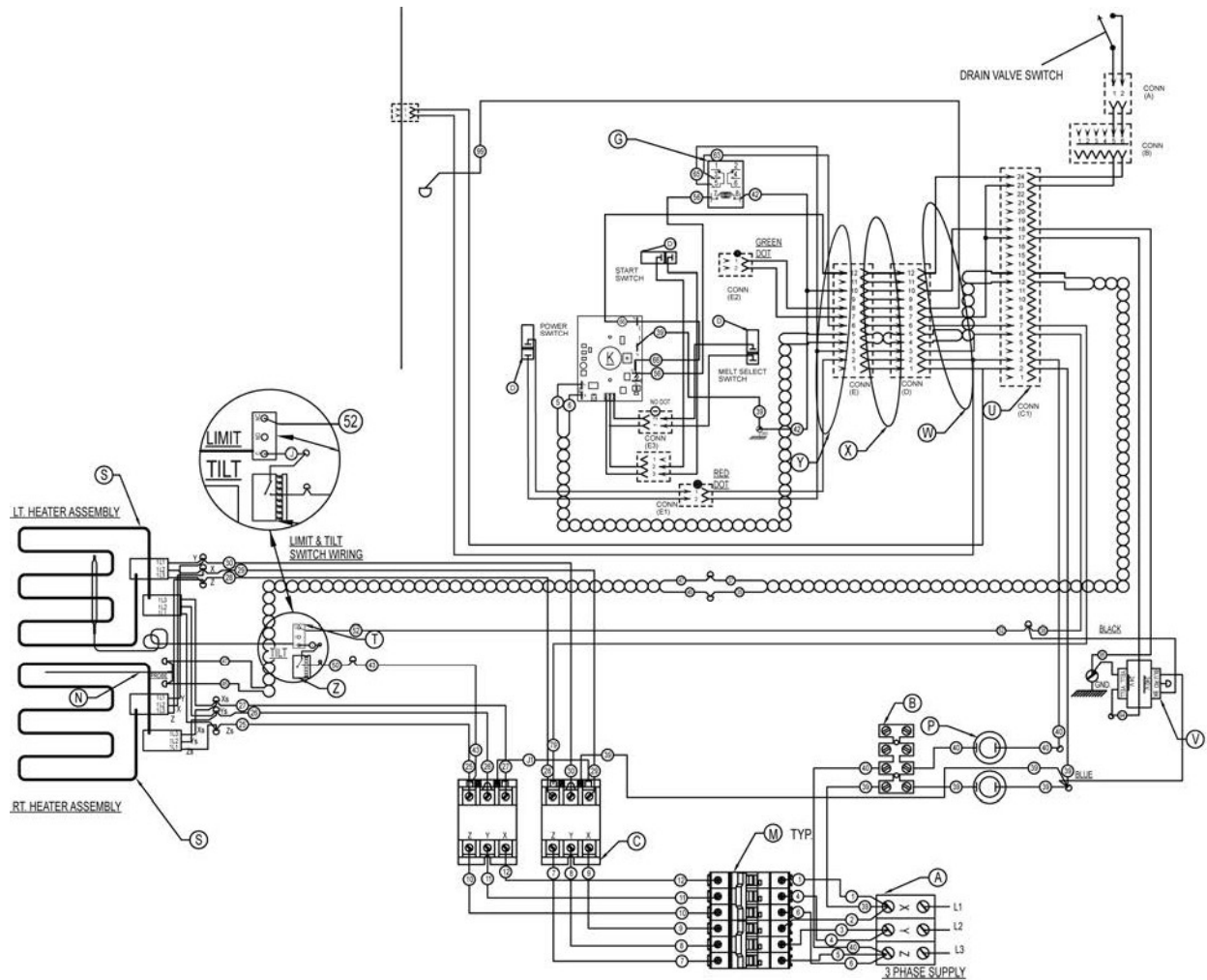
24,21,17 & 14KW. SLAVE W SS SWITCHING  
WIRING DIA. 480V NCC ANALOG CONTROL

DERIVED FROM 00959349-3 Rev B Refer to Schematic 957332-2

Z	SWITCH, LIMIT
Y	HARNES-CONTROL BOX
X	HARNES-POWER TO CONTROL BOX
V	TRANSFORMER 40 VA. 240V./24V.
W	HARNES-POWER DISTRIBUTION
U	HARNES-CABLE ASSEMBLY
T	2ED HIGH LIMIT 460 F
R3	ELEMENT, FIREBAR 480V. 12KW
R3	ELEMENT, FIREBAR 480V. 10.5KW
R2	ELEMENT, FIREBAR 480V. 8.5KW
R1	ELEMENT, FIREBAR 480V. 7KW.
N	THERMISTOR PROBE
N	THERMISTOR PROBE
K	NCC TEMPERATURE CONTROL
L	RELY, TYCO T92S11 DPDT 24V COIL
H	RELY, DPDT 120V.
G	RELY, DPDT 24V COIL
D1	ROCKER SWITCH ASSEMBLY- START
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 230V COIL
A	TERMINAL BLOCK

AI5006

Fig. 53



208-240 VOLT PHASE LOAD

TOTAL KW	KW/PHASE		
	X-Y	X-Z	Y-Z
24	8	8	8
AMPS PER LINE 208 VOLT			
	X	Y	Z
24	67	67	67
AMPS PER LINE 240 VOLT			
	X	Y	Z
24	58	58	58

Z	SWITCH, LIMIT
Y	HARNESS-CONTROL BOX
X	HARNESS-POWER TO CONTROL BOX
V	TRANSFORMER 40 VA. 240V./24V.
W	HARNESS-POWER DISTRIBUTION
U	HARNESS-CABLE ASSEMBLY
T	2ED HIGH LIMIT 460 F
S	ELEMENT, FIREBAR 12KW
P	FUSE & HOLDER
N	THERMISTOR PROBE
M	CIRCUIT BREAKER 50A 3 POLE
K	NCC TEMPERATURE CONTROL
G	RELAY, DPDT 24V COIL
F1	FILTER ASSEMBLY SINGLE
D1	ROCKER SWITCH ASSEMBLY- START
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 230V COIL
B	STRIP-TERMINAL BLOCK
A	TERMINAL BLOCK

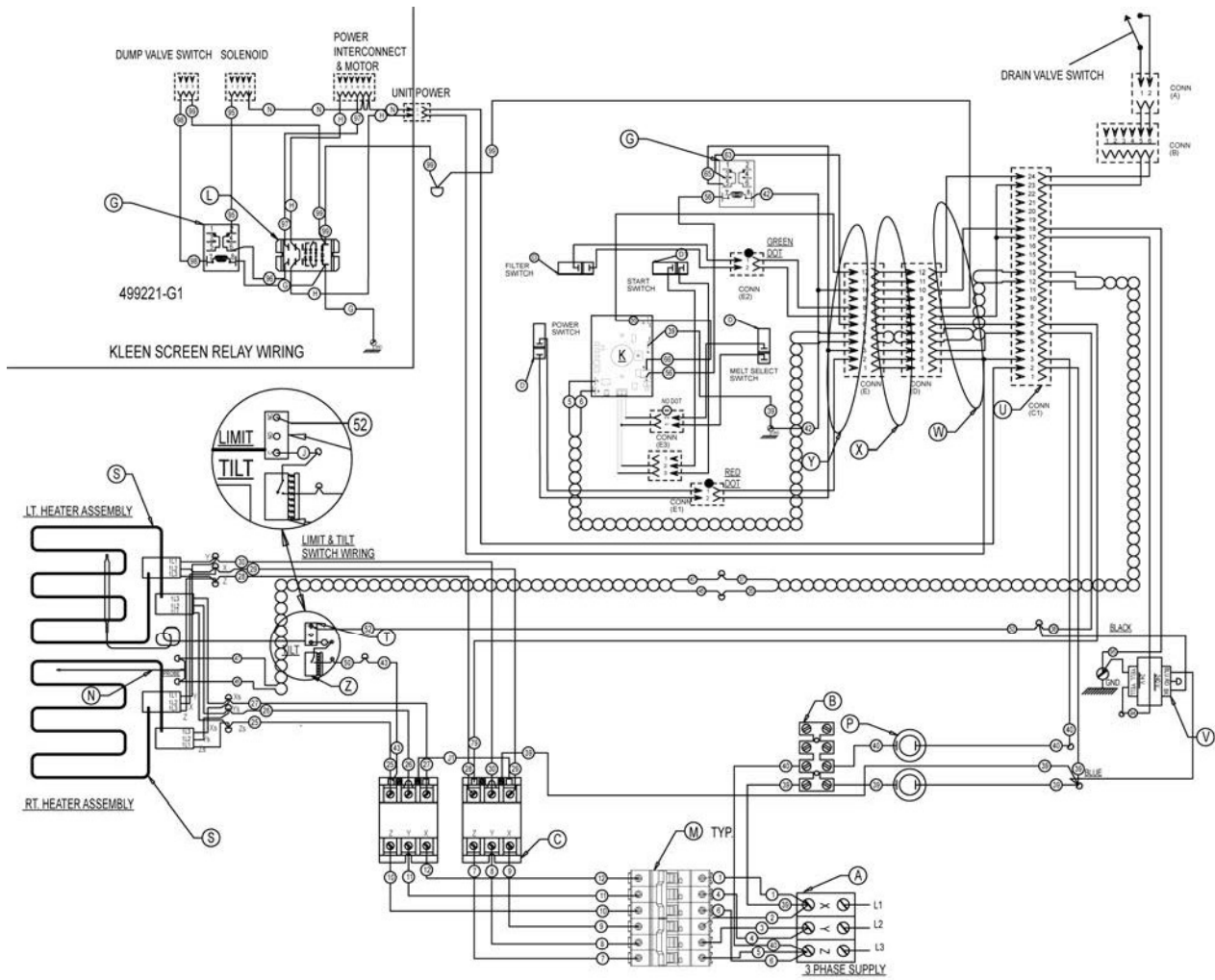
WIRING DIA. 208 & 240 VOLT ANALOG

24 KW. STAND ALONE WITH SOLID STATE SWITHING

DERIVED FROM 00959347-1 Rev B Refer to Schematic 957332-1

A15007

Fig. 54



208-240 VOLT PHASE LOAD

TOTAL KW	KW/PHASE		
	X-Y	X-Z	Y-Z
24	8	8	8
AMPS PER LINE 208 VOLT			
24	67	67	67
AMPS PER LINE 240 VOLT			
24	58	58	58

WIRING DIA. 208 & 240 V. NCC ANALOG CONTROL

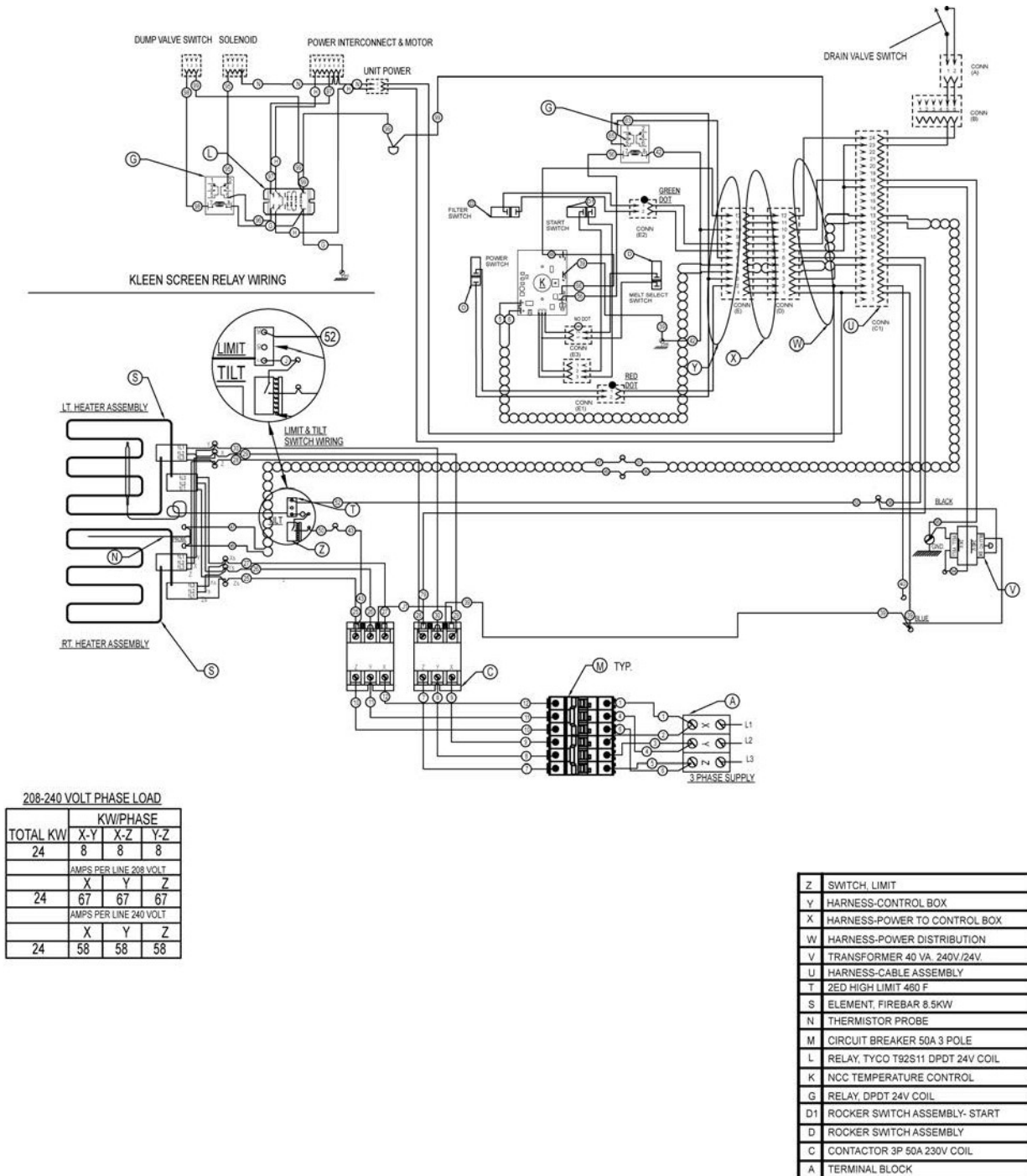
24 KW. MASTER WITH SOLID STATE SWITCHING

DERIVED FROM 00959347-2 Rev B Refer to Schematic 957331-2

Z	SWITCH, LIMIT
Y	HARNES-CONTROL BOX
X	HARNES-POWER TO CONTROL BOX
W	HARNES-POWER DISTRIBUTION
V	TRANSFORMER 40 VA. 240V./24V.
U	HARNES-CABLE ASSEMBLY
T	2ED HIGH LIMIT 460 F
S	ELEMENT, FIREBAR 12KW
P	FUSE & HOLDER
N	THERMISTOR PROBE
M	CIRCUIT BREAKER 50A 3 POLE
L	RELAY, TYCO T92S11 DPDT 24V COIL
K	NCC TEMPERATURE CONTROL
G	RELAY, DPDT 24V COIL
D1	ROCKER SWITCH ASSEMBLY- START
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 230V COIL
B	STRIP-TERMINAL BARRIER
A	TERMINAL BLOCK

A15004

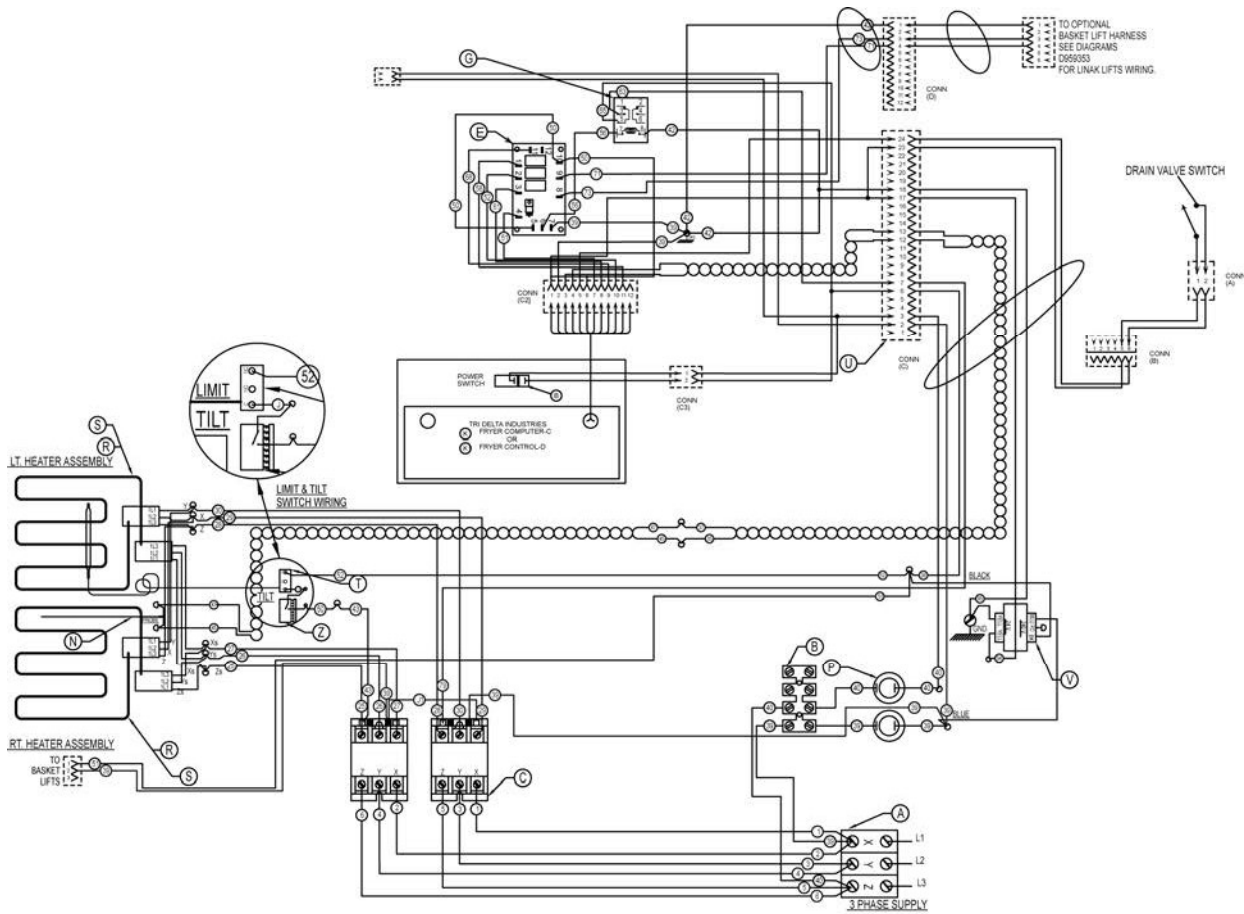
Fig. 55



DERIVED FROM 00959347-3 Rev B Refer to Schematic 957331-2

AI5005

Fig. 56



208-240 VOLT PHASE LOAD

TOTAL KW	KW/PHASE		
	X-Y	X-Z	Y-Z
17	5.6	5.6	5.6
14	4.6	4.6	4.6
AMPS PER LINE 208 VOLT			
	X	Y	Z
17	47	47	47
14	39	39	39
AMPS PER LINE 240 VOLT			
	X	Y	Z
17	41	41	41
14	34	34	34

WIRING DIA. 208 & 240 VOLT NCC CONTROL

17 & 14 KW. FULL-VAT FRYERS STAND ALONE

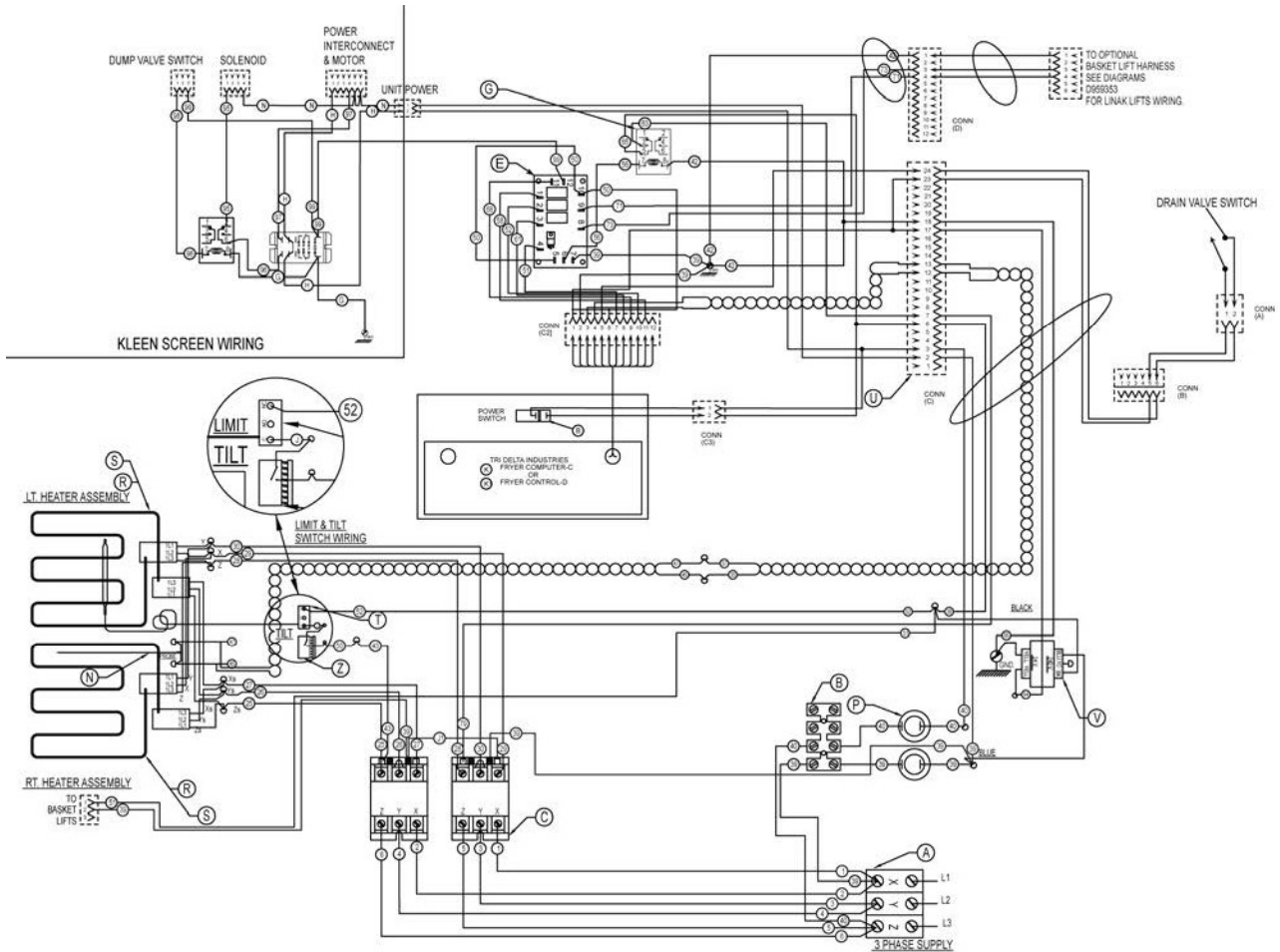
DERIVED FROM 00959322-1 Rev B Refer to Schematic 428281-1

Z	SWITCH, LIMIT
V	TRANSFORMER 40 VA. 240V./24V.
U	HARNES-CABLE ASSEMBLY
T	2ED HIGH LIMIT 460 F
S	ELEMENT, FIREBAR 8.5KW
R	ELEMENT, FIREBAR 7KW
P	FUSE & HOLDER
N	THERMISTOR PROBE
K1	NCC CONTROL W / TIMER(S)
K	NCC TEMPERATURE CONTROL
G	RELAY, DPDT 24V COIL
E	CONTROL, INTERFACE TRIDELTA
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 230V COIL
B	STRIP-TERMINAL BARRIER
A	TERMINAL BLOCK

AI5014

Fig. 57

ERA / EBD ELECTRIC FRYER - ELECTRICAL OPERATION



208-240 VOLT PHASE LOAD

TOTAL KW	KVA/PHASE		
	X	Y	Z
17	5.6	5.6	5.6
14	4.6	4.6	4.6
AMPS PER LINE 208 VOLT			
	X	Y	Z
17	47	47	47
14	39	39	39
AMPS PER LINE 240 VOLT			
	X	Y	Z
17	41	41	41
14	34	34	34

Z	SWITCH, LIMIT
Y	HARNES-CONTROL BOX
V	TRANSFORMER 40 VA. 240V./24V.
U	HARNES-CABLE ASSEMBLY
T	2ED HIGH LIMIT 460 F
S	ELEMENT, FIREBAR 12KW
R	ELEMENT, FIREBAR 7KW
P	FUSE & HOLDER
N	THERMISTOR PROBE
K1	NCC CONTROL W/TIMER(S)
K	NCC COMPUTER
G	RELAY, DPDT 24V COIL
E	CONTROL, INTERFACE TRIDELTA
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 230V COIL
B	STRIP-TERMINAL BARRIER
A	TERMINAL BLOCK

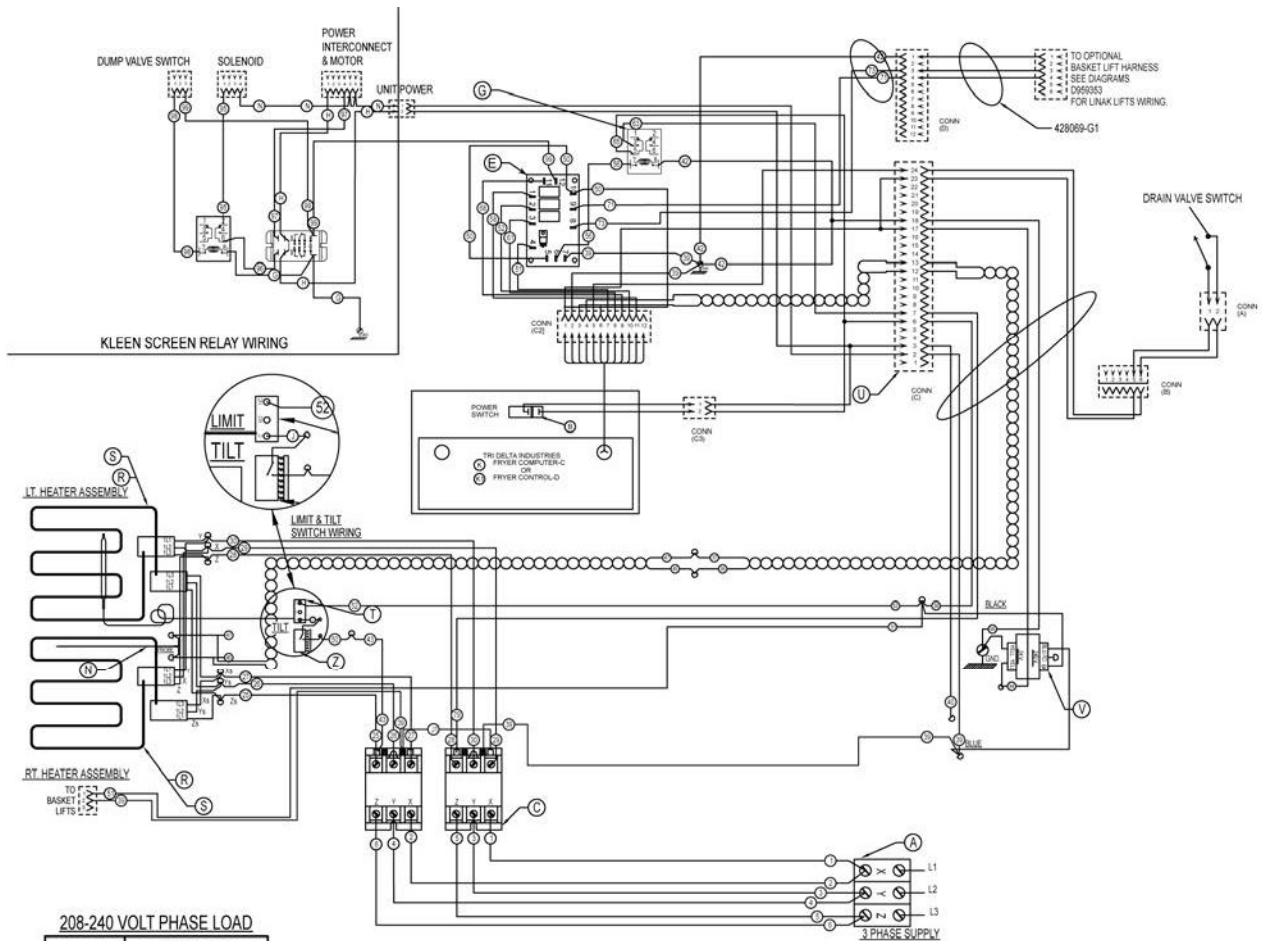
WIRING DIA. 208 & 240 VOLT DIGITAL  
17 & 14 KW. MASTER SOLID STATE SWITCHING

DERIVED FROM 00959322-2 Rev B Refer to Schematic 428281-1

AI5015

Fig. 58

ERA / EBD ELECTRIC FRYER - ELECTRICAL OPERATION



208-240 VOLT PHASE LOAD

TOTAL KW	KW/PHASE		
	X-Y	X-Z	Y-Z
17	5.6	5.6	5.6
14	4.6	4.6	4.6
AMPS PER LINE 208 VOLT			
	X	Y	Z
17	47	47	47
14	39	39	39
AMPS PER LINE 240 VOLT			
	X	Y	Z
17	41	41	41
14	34	34	34

Z	SWITCH, LIMIT
V	TRANSFORMER 40 VA. 240V./24V.
U	HARNESS-CABLE ASSEMBLY
T	2ED HIGH LIMIT 460 F
S	ELEMENT, FIREBAR 12KW
R	ELEMENT, FIREBAR 7KW
N	THERMISTOR PROBE
K1	NCC CONTROL W/TIMER(S)
K	NCC COMPUTER
G	RELAY, DPDT 24V COIL
E	CONTROL, INTERFACE TRIDELTA
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 230V COIL
A	TERMINAL BLOCK

WIRING DIA. 208 & 240 VOLT DIGITAL

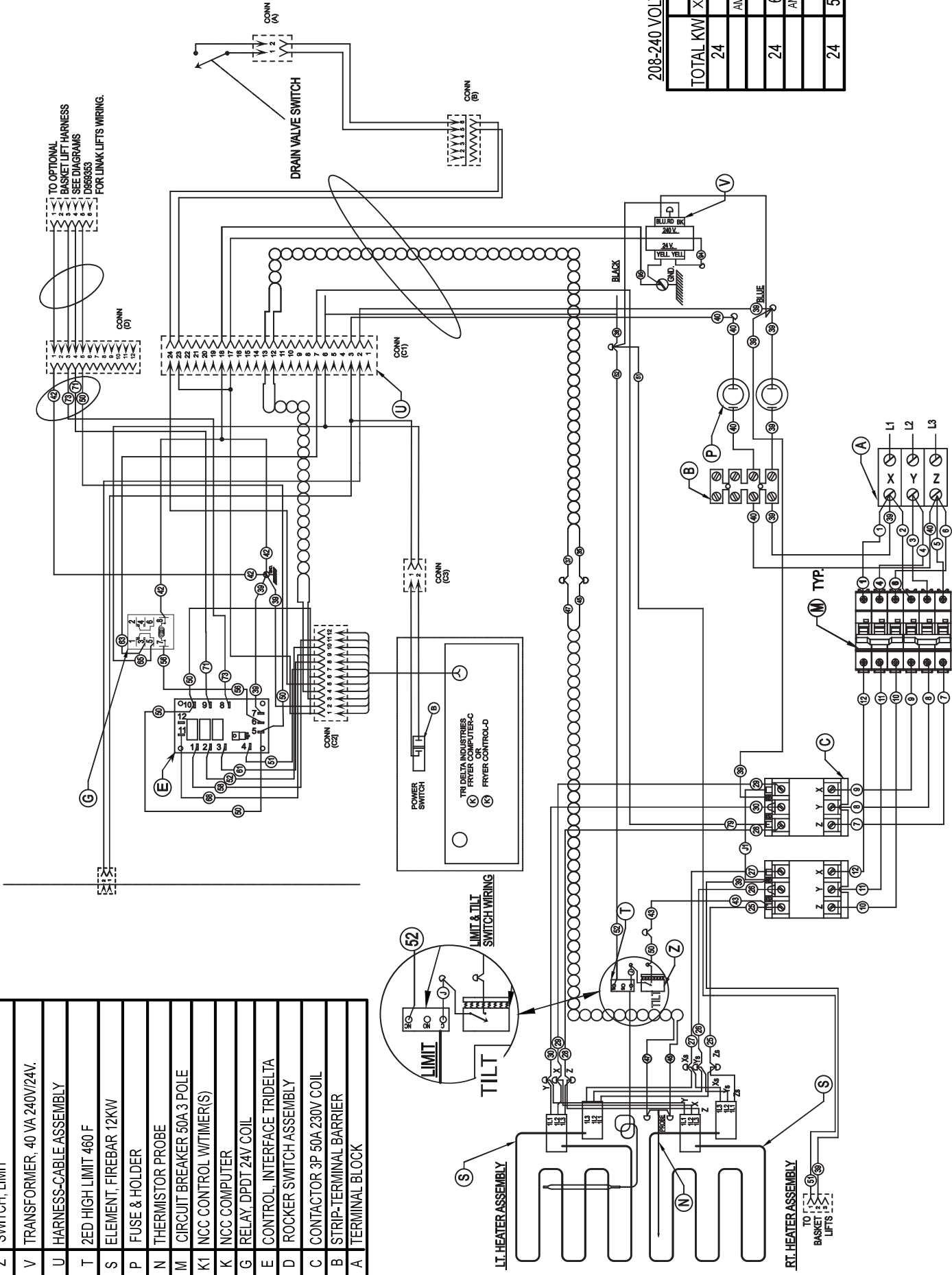
17 & 14 KW. SLAVE SOLID STATE SWITCHING

DERIVED FROM 00959322-3 Rev B Refer to Schematic 428281-1

AI5016

Fig. 59

Z	SWITCH, LIMIT
V	TRANSFORMER, 40 VA 240V/24V.
U	HARNESS-CABLE ASSEMBLY
T	2ED HIGH LIMIT 460 F
S	ELEMENT, FIREBAR 12KW
P	FUSE & HOLDER
N	THERMISTOR PROBE
M	CIRCUIT BREAKER 50A 3 POLE
K1	NCC CONTROL WTIMER(S)
K	NCC COMPUTER
G	RELAY, DPDT 24V COIL
E	CONTROL, INTERFACE TRIDELTA
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 230V COIL
B	STRIP-TERMINAL BARRIER
A	TERMINAL BLOCK

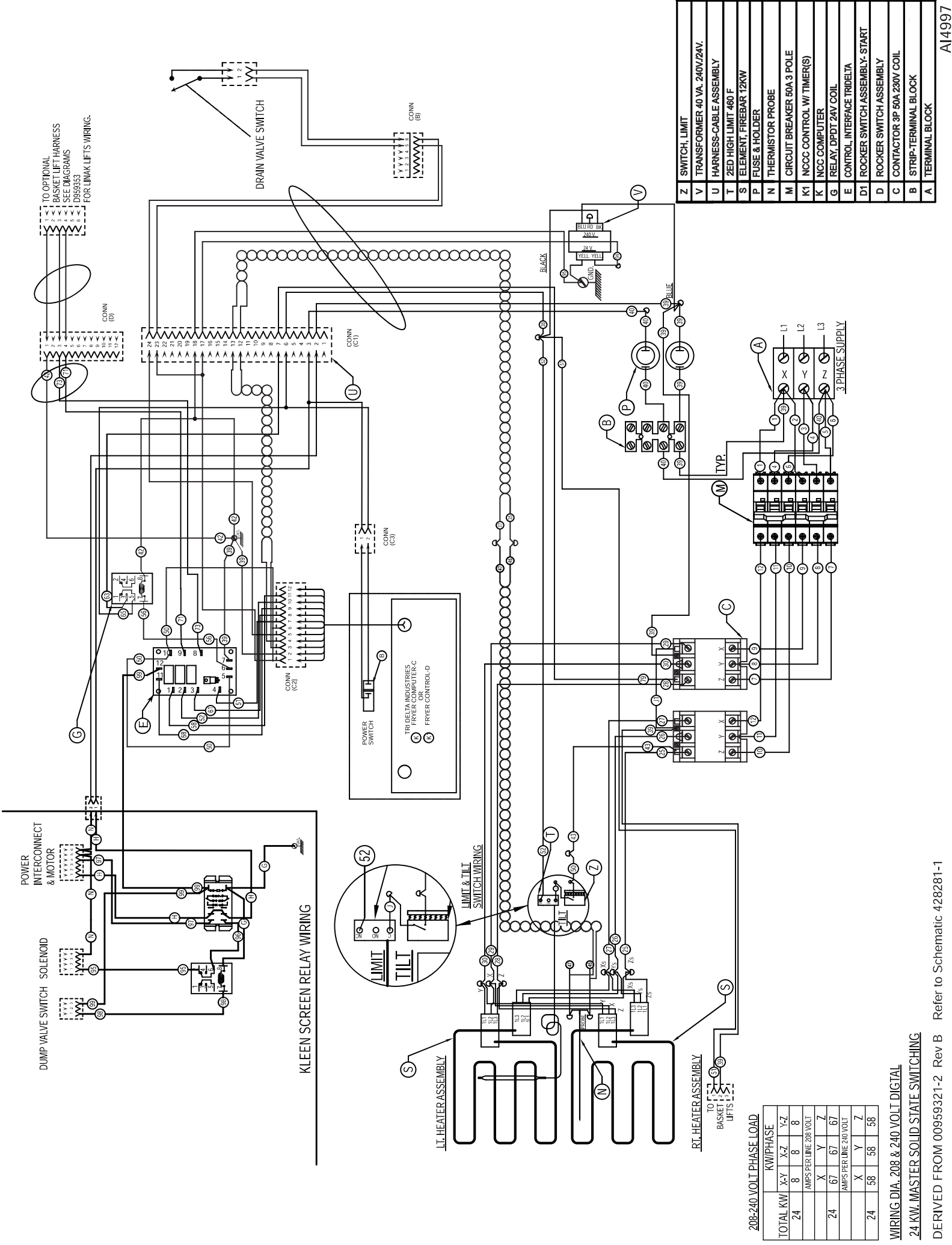


TO OPTIONAL BASKET LIFT HARNESS SEE DIAGRAMS D668353 FOR LINAK LIFTS WIRING.

208-240 VOLT PHASE LOAD

TOTAL KW	X-Y	X-Z	Y-Z
24	8	8	8
	AMPS PER LINE 208 VOLT		
	X	Y	Z
24	67	67	67
	AMPS PER LINE 240 VOLT		
	X	Y	Z
24	58	58	58

WIRING DIA. 208 & 240 VOLT DIGITAL  
 24 KW. STAND ALONE SOLID STATE SWITCHING  
 3 PHASE SUPPLY

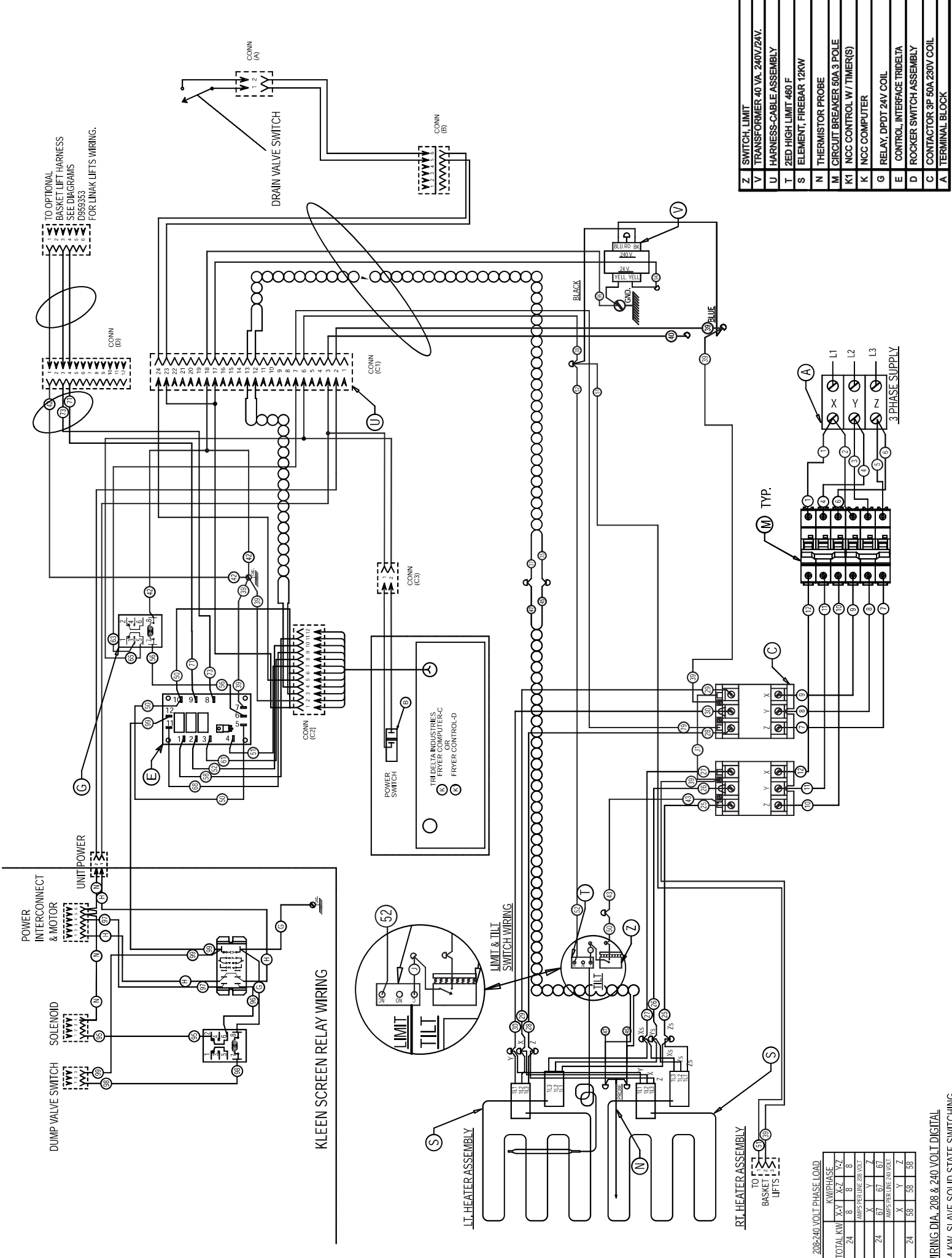


Z	SWITCH, LIMIT
V	TRANSFORMER 40 VA. 240V/24V.
U	HARNES-CABLE ASSEMBLY
T	2ED HIGH LIMIT 460 F
S	ELEMENT, FIREBAR 12KW
P	FUSE & HOLDER
N	THERMISTOR PROBE
M	CIRCUIT BREAKER 50A 3 POLE
K1	NCC CONTROL W/ TIMER(S)
K	NCC COMPUTER
G	RELAY, DPDT 24V COIL
E	CONTROL INTERFACE TRIDELTA
D1	ROCKER SWITCH ASSEMBLY- START
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 230V COIL
B	STRIP- TERMINAL BLOCK
A	TERMINAL BLOCK

208-240 VOLT PHASE LOAD

KW/PHASE	
TOTAL KW	X-Y X-Z Y-Z
24	8 8 8
AMPS PER LINE 208 VOLT	
24	X Y Z
	67 67 67
AMPS PER LINE 240 VOLT	
24	X Y Z
	58 58 58

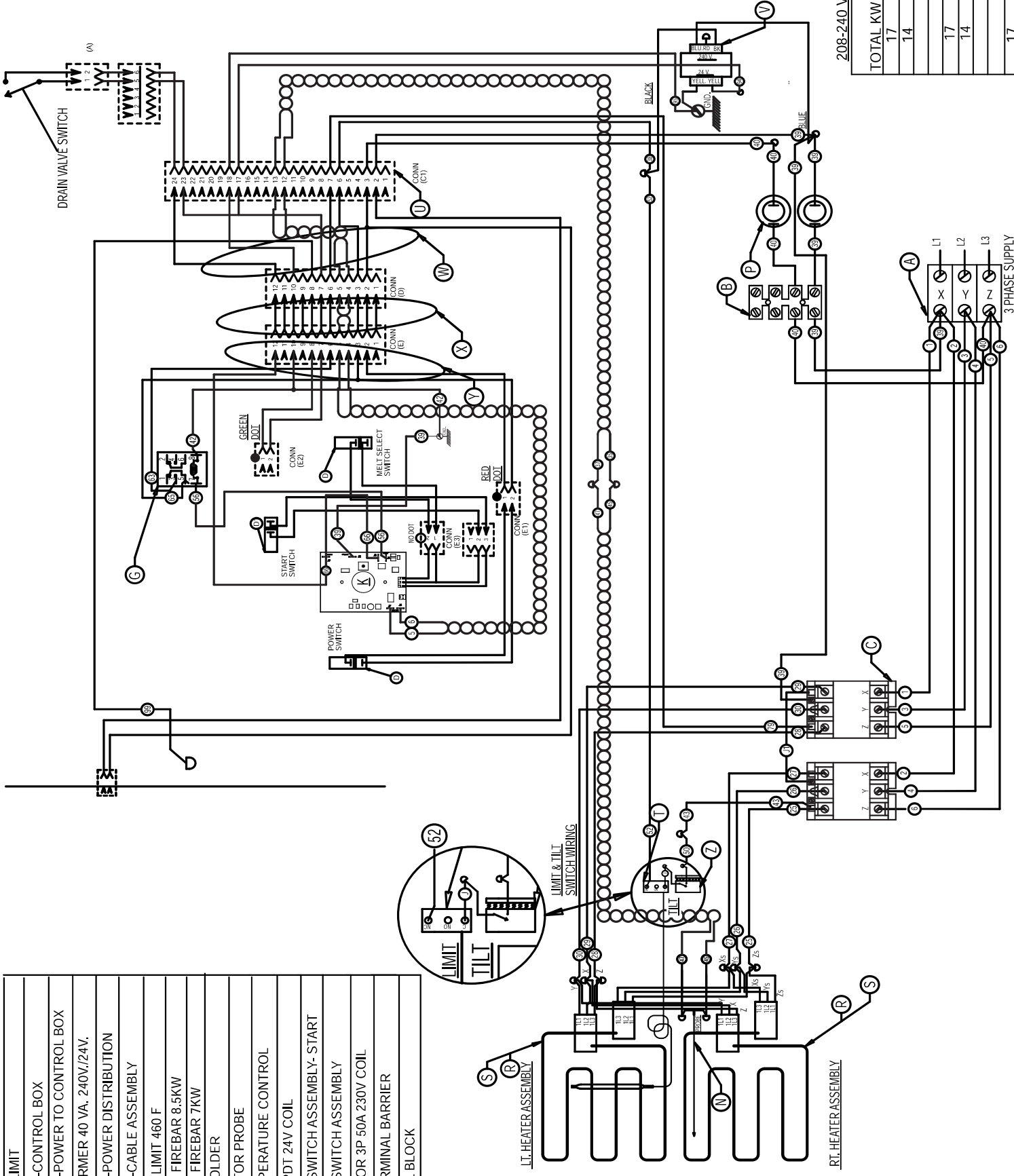
WIRING DIA. 208 & 240 VOLT DIGITAL  
 24 KW MASTER SOLID STATE SWITCHING  
 DERIVED FROM 00959321-2 Rev B Refer to Schematic 428281-1



Z	SWITCH, LIMIT
V	TRANSFORMER 40 VA. 240V/24V.
U	HARNES-CABLE ASSEMBLY
T	2ED HIGH LIMIT 480 F
S	ELEMENT, FIREBAR 12KW
N	THERMISTOR PROBE
M	CIRCUIT BREAKER 50A 3 POLE
K1	NCC CONTROL W/ TIMER(S)
K	NCC COMPUTER
G	RELAY, DPDT 24V COIL
E	CONTROL, INTERFACE TRIDELTA
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 230V COIL
A	TERMINAL BLOCK

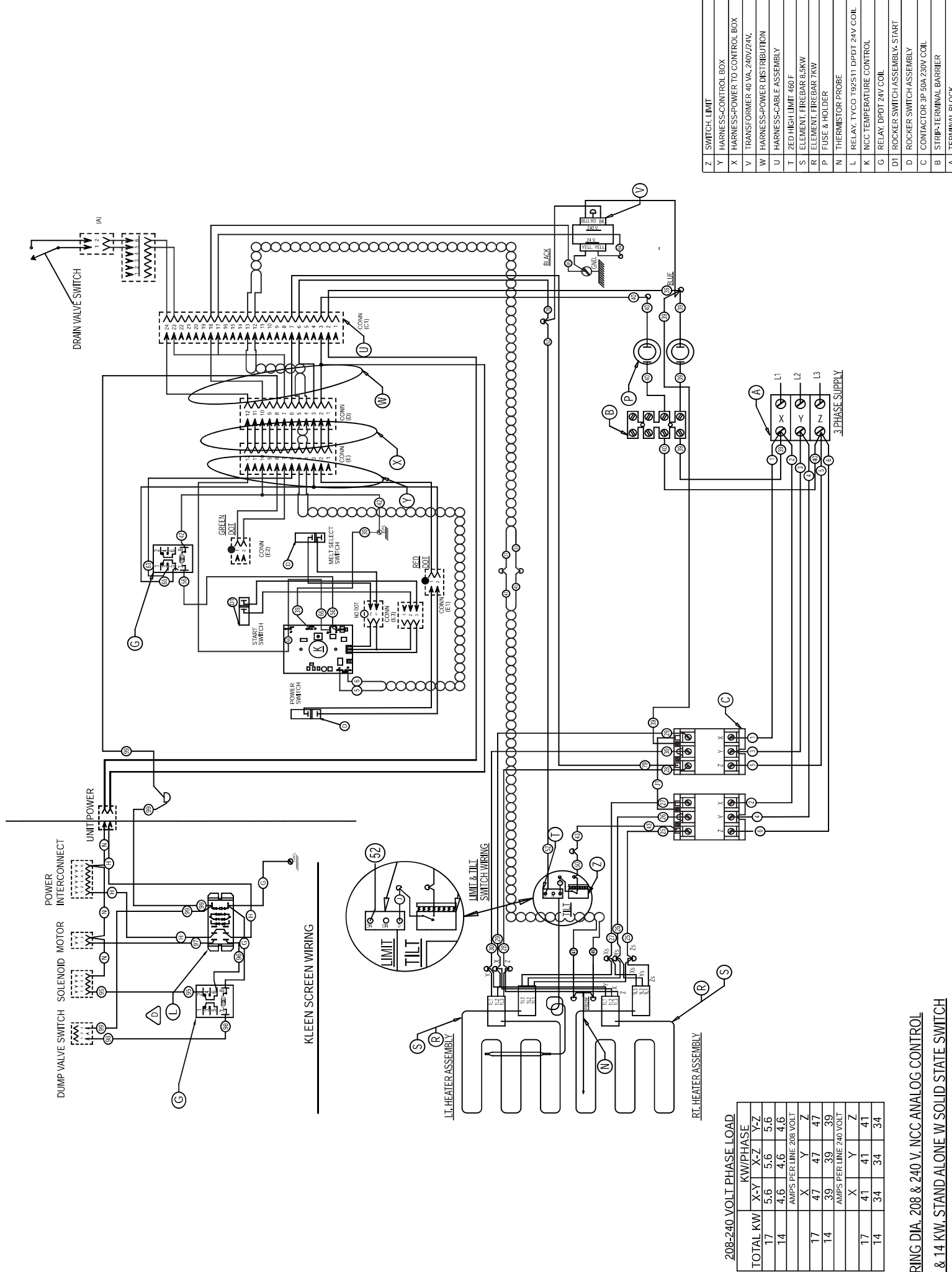
208-240 VOLT PHASE LOAD		KW/PHASE	
TOTAL KW	XY	XZ	YZ
24	8	8	8
	005-SERV	005-SERV	005-SERV
24	67	67	67
	005-SERV	005-SERV	005-SERV
24	58	58	58
	X	Y	Z

Z	SWITCH, LIMIT
Y	HARNES-CONTROL BOX
X	HARNES-POWER TO CONTROL BOX
V	TRANSFORMER 40 VA. 240V./24V.
W	HARNES-POWER DISTRIBUTION
U	HARNES-CABLE ASSEMBLY
T	2ED HIGH LIMIT 460 F
S	ELEMENT, FIREBAR 8.5KW
R	ELEMENT, FIREBAR 7KW
P	FUSE & HOLDER
N	THERMISTOR PROBE
K	NCC TEMPERATURE CONTROL
G	RELAY, DPDT 24V COIL
D1	ROCKER SWITCH ASSEMBLY- START
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 230V COIL
B	STRIP-TERMINAL BARRIER
A	TERMINAL BLOCK



208-240 VOLT PHASE LOAD

TOTAL KW	X-Y	X-Z	Y-Z
17	5.6	5.6	5.6
14	4.6	4.6	4.6
	AMPS PER LINE 208 VOLT		
	X	Y	Z
17	47	47	47
14	39	39	39
	AMPS PER LINE 240 VOLT		
	X	Y	Z
17	41	41	41
14	34	34	34



208-240 VOLT PHASE LOAD

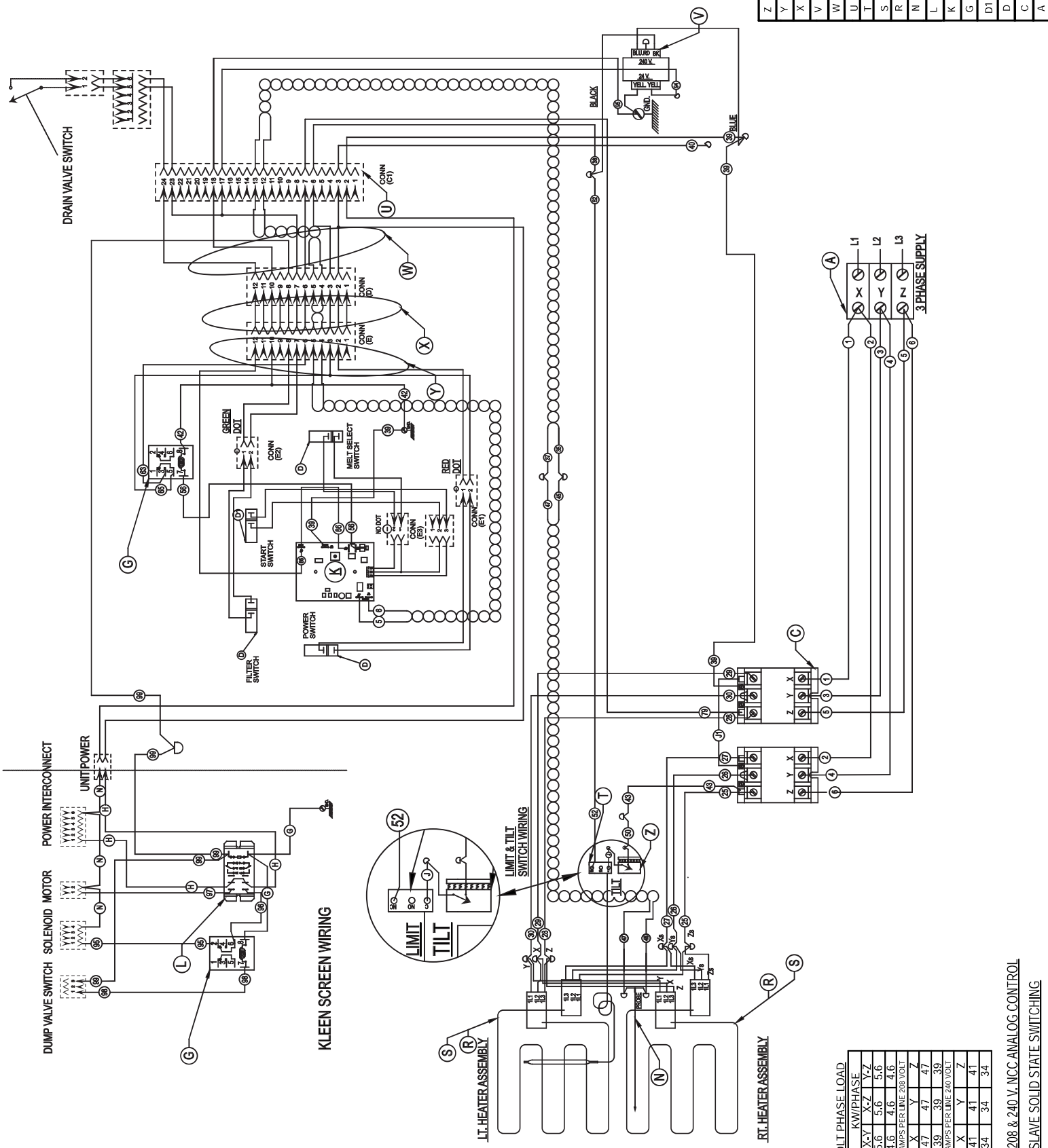
TOTAL KW	KW/PHASE		
	X-Y	X-Z	Y-Z
17	5.6	5.6	5.6
14	4.6	4.6	4.6
AMPS PER LINE 208 VOLT			
X	Y	Z	
17	47	47	
14	39	39	
AMPS PER LINE 240 VOLT			
X	Y	Z	
17	41	41	
14	34	34	

Z	SWITCH, LIMIT
Y	HARNESS-CONTROL BOX
X	HARNESS-POWER TO CONTROL BOX
V	TRANSFORMER 40 VA. 240V/24V.
W	HARNESS-POWER DISTRIBUTION
U	HARNESS-CABLE ASSEMBLY
T	ZED HIGH LIMIT 460 F
S	ELEMENT, FIREBAR 6.5KW
R	ELEMENT, FIREBAR 7KW
P	FUSE & HOLDER
N	THERMISTOR PROBE
L	RELAY, TYCO T92S11 DPDT 24V COIL
K	NCC TEMPERATURE CONTROL
G	RELAY, DPDT 24V COIL
DT	ROCKER SWITCH ASSEMBLY-START
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR, 3P 50A 230V COIL
B	STRIP-TERMINAL BARRIER
A	TERMINAL BLOCK

WIRING DIA. 208 & 240 V. NCC ANALOG CONTROL

17 & 14 KW. STAND ALONE W SOLID STATE SWITCH

DERIVED FROM 00959348-2 Rev C Refer to Schematic 957331-2

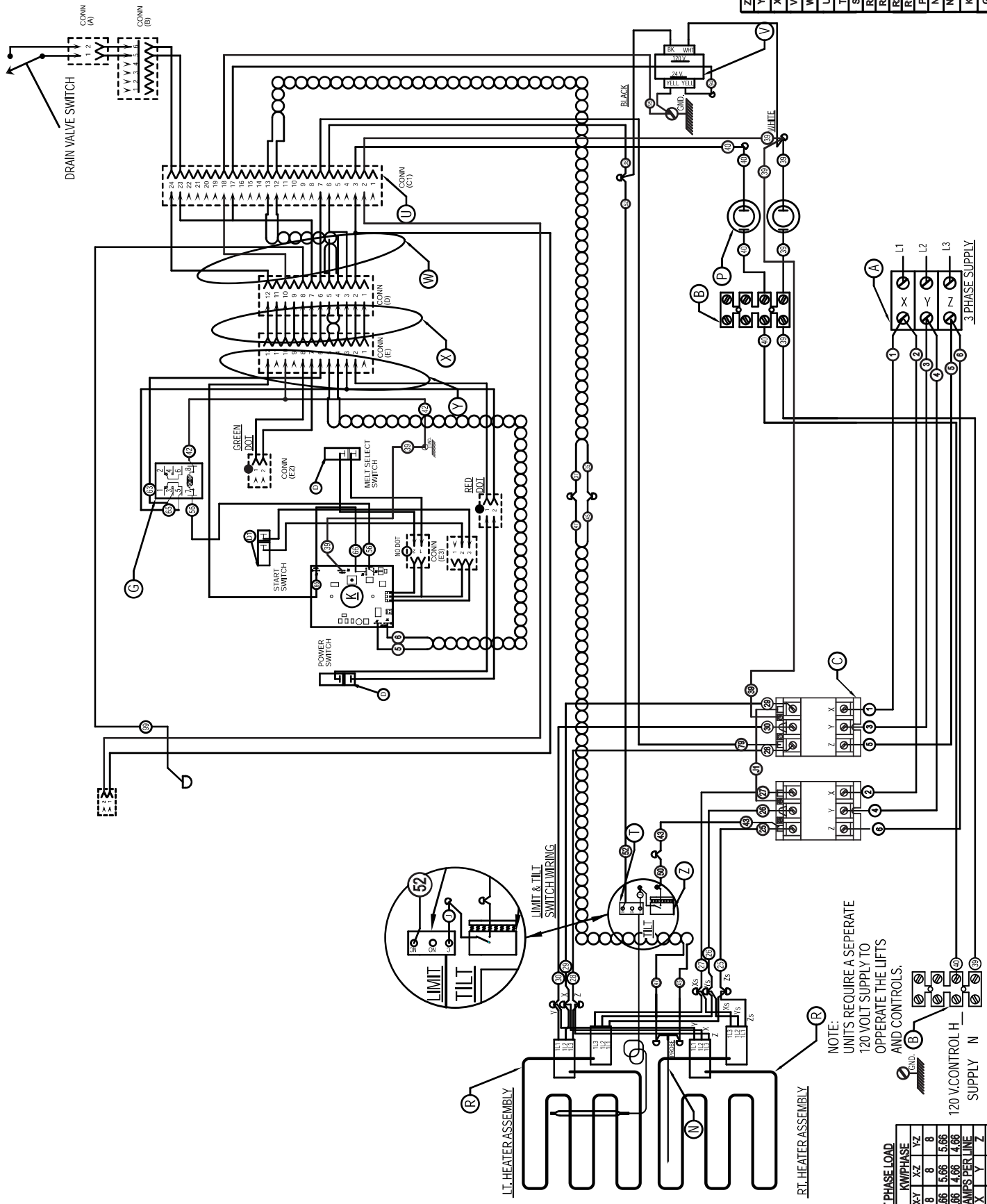


Z	SWITCH, LIMIT
Y	HARNES-CONTROL BOX
X	HARNES-POWER TO CONTROL BOX
V	TRANSFORMER 40 VA. 240V/24V.
W	HARNES-POWER DISTRIBUTION
U	HARNES-CABLE ASSEMBLY
T	2ED HIGH LIMIT 460 F
S	ELEMENT, FIREBAR 8.5KW
R	ELEMENT, FIREBAR 7KW
N	THERMISTOR PROBE
L	RELAY, TYCO 192S11 DPDT 24V COIL
K	NCC TEMPERATURE CONTROL
G	RELAY, DPDT 24V COIL
D1	ROCKER SWITCH ASSEMBLY-START
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 230V COIL
A	TERMINAL BLOCK

208-240 VOLT PHASE LOAD

TOTAL KW	X-Y	X-Z	Y-Z
17	5.6	5.6	5.6
14	4.6	4.6	4.6
AMPS PER LINE 208 VOLT			
17	X	Y	Z
14	39	39	39
AMPS PER LINE 240 VOLT			
17	X	Y	Z
14	34	34	34

WIRING DIA. 208 & 240 V. NCC ANALOG CONTROL  
 17 & 14 KW. SLAVE SOLID STATE SWITCHING

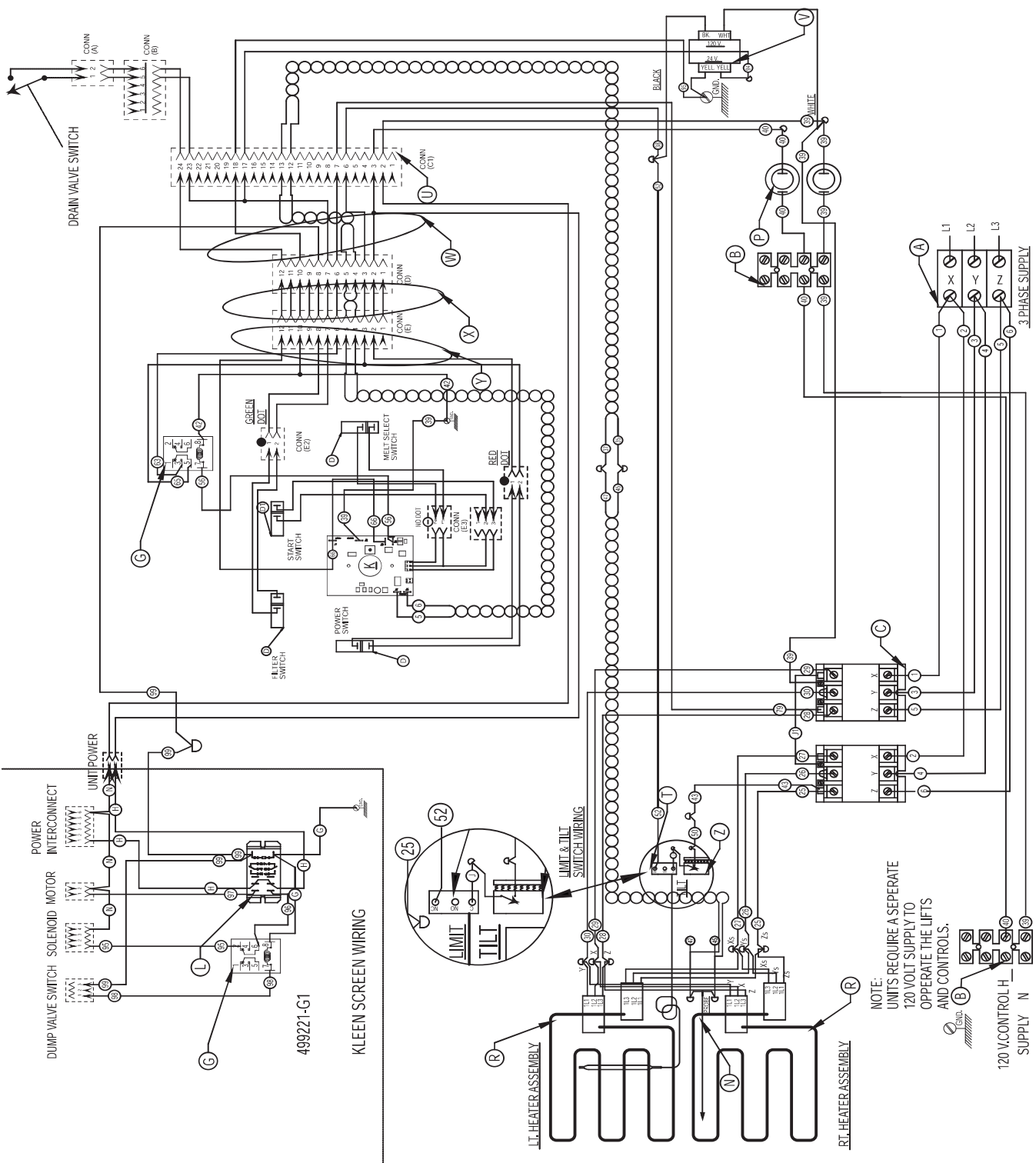


Z	SWITCH, LIMIT
Y	HARNES-CONTROL BOX
X	HARNES-POWER TO CONTROL BOX
V	TRANSFORMER, 40 VA, 240V/24V.
U	HARNES-POWER DISTRIBUTION
W	HARNES-CABLE ASSEMBLY
T	2ED HIGH LIMIT, 480 F
S	ELEMENT, FIREBAR 6.5KW
R3	ELEMENT, FIREBAR 480V, 12KW
R2	ELEMENT, FIREBAR 480V, 10.5KW
R1	ELEMENT, FIREBAR 480V, 6.5KW
P	FUSE & HOLDER
N	THERMISTOR PROBE
K	NCC TEMPERATURE CONTROL
G	RELAY, DPDT 24V COIL
D1	ROCKER SWITCH ASSEMBLY- START
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 230V COIL
B	STRIP-TERMINAL BARRIER
A	TERMINAL BLOCK

480 VOLT PHASE LOAD		
TOTAL KW	KW/PHASE	
24	X, Y, Z	8
17	X, Y, Z	5.66
14	X, Y, Z	4.66
24	X, Y, Z	8
17	X, Y, Z	5.66
14	X, Y, Z	4.66

NOTE:  
UNITS REQUIRE A SEPERATE  
120 VOLT SUPPLY TO  
OPERATE THE LIFTS  
AND CONTROLS.

WIRING DIA. 480V NCC ANALOG CONTROL  
24-21.17 & 14KW. STAND ALONE W SS SWITCHING  
DERIVED FROM 00959349-1 Rev B Refer to Schematic 957332-1

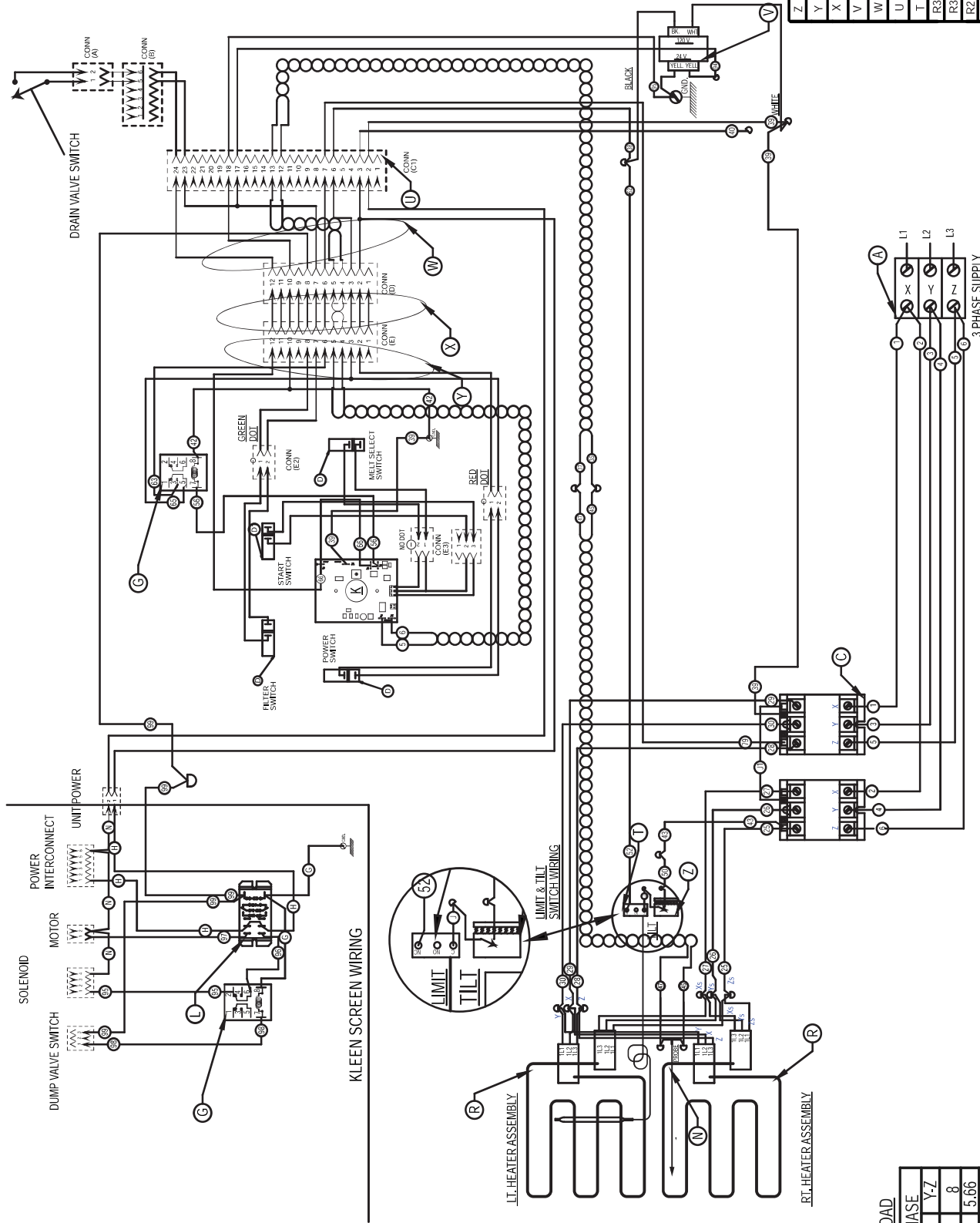


480 VOLT PHASE LOAD

TOTAL KW	KW/PHASE		
	X-Y	X-Z	Y-Z
24	8	8	8
17	5.66	5.66	5.66
14	4.66	4.66	4.66
AMPS PER LINE			
	X	Y	Z
24	29	29	29
17	20	20	20
14	17	17	17

NOTE:  
 UNITS REQUIRE A SEPARATE  
 120 VOLT SUPPLY TO  
 OPERATE THE LIFTS  
 AND CONTROLS.

Z	SWITCH, LIMIT
Y	HARNES-CONTROL BOX
X	HARNES-POWER TO CONTROL BOX
W	HARNES-POWER DISTRIBUTION
V	TRANSFORMER 40 VA. 240V/24V.
U	HARNES-CABLE ASSEMBLY
T	ZED HIGH LIMIT 460 F
R3	ELEMENT, IRBAR 480V 12 KW.
R2	ELEMENT, IRBAR 480V 10.5 KW.
R1	ELEMENT, IRBAR 480V 8.5 KW.
P	FUSE & HOLDER
N	THERMISTOR PROBE
M	THERMISTOR PROBE
L	RELAY, TYCO T92S11 DPDT 24V COIL
K	NCC TEMPERATURE CONTROL
H	RELAY, DPDT 24V COIL
G	RELAY, DPDT 24V COIL
DI	ROCKER SWITCH ASSEMBLY- START
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P-50A 230V COIL
B	STRIP-TERMINAL BARRIER
A	TERMINAL BLOCK



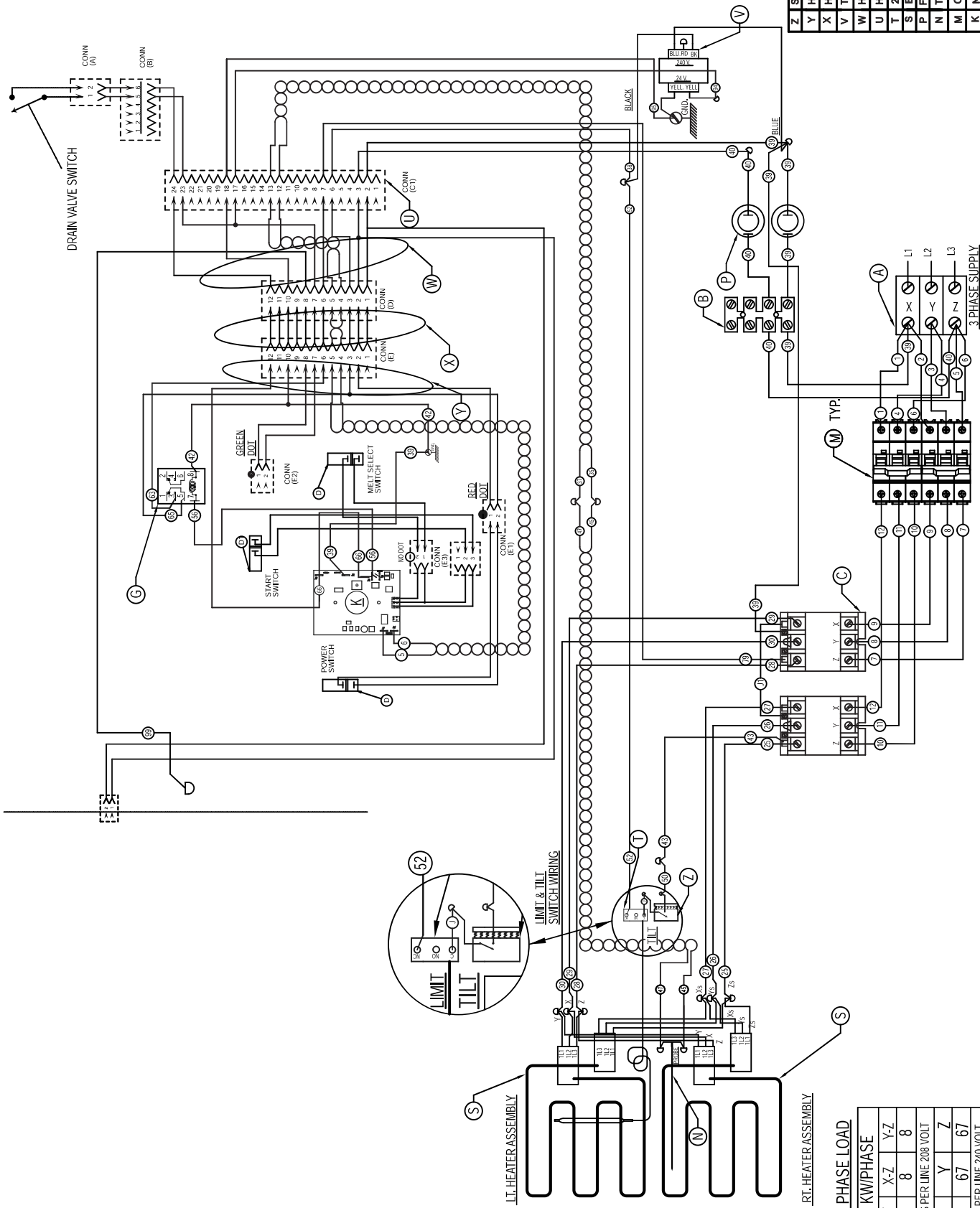
480 VOLT PHASE LOAD

TOTAL KW	KW/PHASE		
	X-Y	X-Z	Y-Z
24	8	8	8
17	5.66	5.66	5.66
14	4.66	4.66	4.66
	AMPS PER LINE		
	X	Y	Z
24	29	29	29
17	20	20	20
14	17	17	17

Z	SWITCH, LIMIT
Y	HARNES-CONTROL BOX
X	HARNES-POWER TO CONTROL BOX
V	TRANSFORMER 40 VA, 240V/24V,
W	HARNES-POWER DISTRIBUTION
U	HARNES-CABLE ASSEMBLY
T	2ED HIGH LIMIT 460 F
R3	ELEMENT, FIREBAR 480V, 12KW
R3	ELEMENT, FIREBAR 480V, 10.5KW
R2	ELEMENT, FIREBAR 480V, 8.5KW
R1	ELEMENT, FIREBAR 480V, 7KW.
N	THERMISTOR PROBE
N	THERMISTOR PROBE
K	NCC TEMPERATURE CONTROL
L	RELX, TYCO J925J1 DPDT 24V COIL
H	RELAY, DPDT 120V.
G	RELAY, DPDT 24V COIL
D1	ROCKER SWITCH ASSEMBLY- START
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 230V COIL
A	TERMINAL BLOCK

24.21.17 & 14KW SLAVE W/SS SWITCHING WIRING DIA. 480V NCC ANALOG CONTROL

DERIVED FROM 00959349-3 Rev B Refer to Schematic 957332-2



Z	SWITCH, LIMIT
Y	HARNES-CONTROL BOX
X	HARNES-POWER TO CONTROL BOX
V	TRANSFORMER 40 VA, 240V/24V
W	HARNES-POWER DISTRIBUTION
U	HARNES-CABLE ASSEMBLY
T	ZED HIGH LIMIT #60 F
S	ELEMENT, FIREBAR 12KW
P	FUSE & HOLDER
N	THERMISTOR PROBE
M	CIRCUIT BREAKER 50A 3 POLE
K	NCC TEMPERATURE CONTROL
G	RELAY, DPDT 24V COIL
F1	FILTER ASSEMBLY SINGLE
D1	ROCKER SWITCH ASSEMBLY- START
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 230V COIL
B	STRIP-TERMINAL BLOCK
A	TERMINAL BLOCK

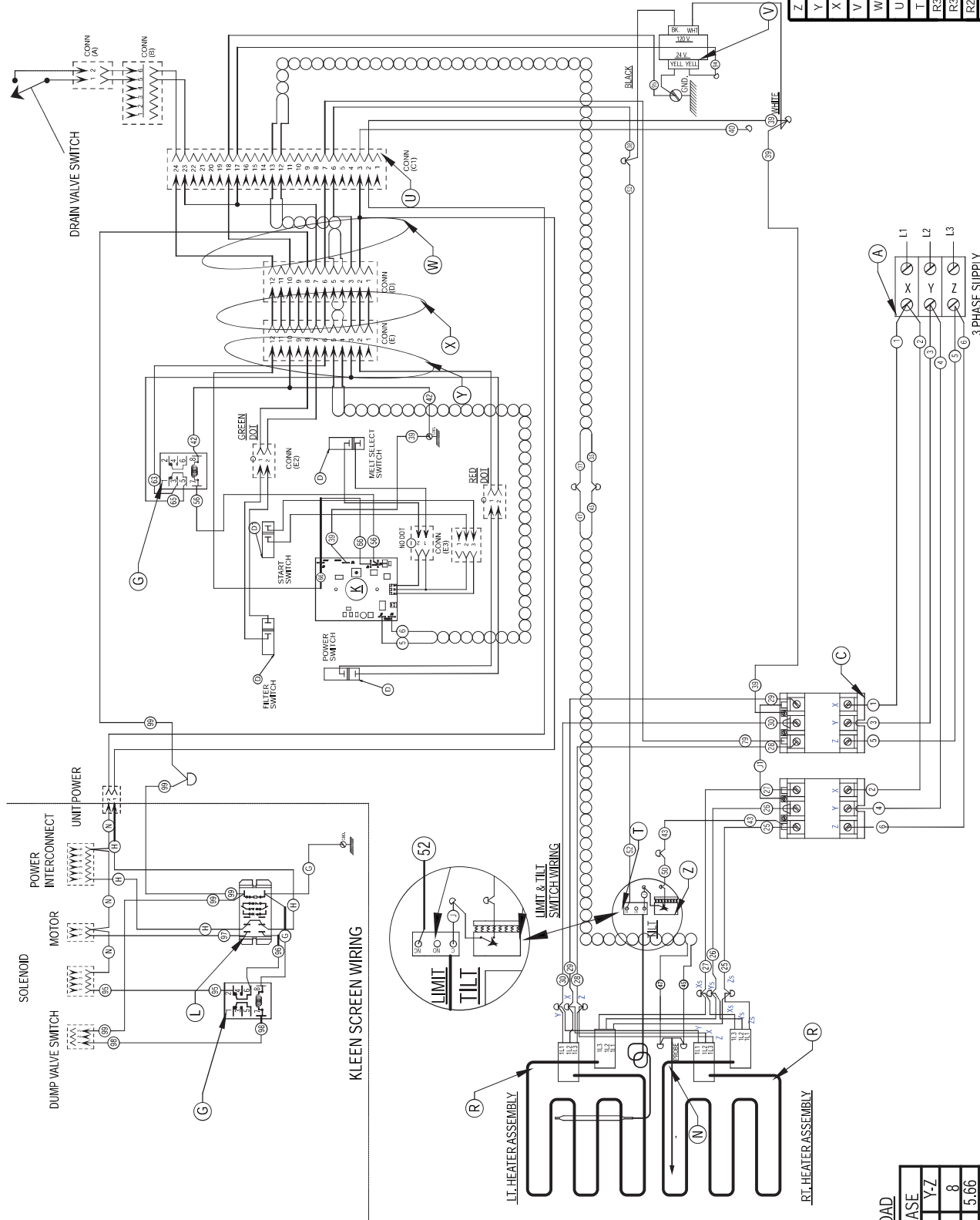
**208-240 VOLT PHASE LOAD**

TOTAL KW	KW/PHASE		
	X-Y	X-Z	Y-Z
24	8	8	8
24	AMPS PER LINE 208 VOLT		
	X	Y	Z
24	AMPS PER LINE 240 VOLT		
	X	Y	Z

WIRING DIA. 208 & 240-VOLT ANALOG

24 KW STAND ALONE WITH SOLID STATE SWITCHING

DERIVED FROM 00959347-1 Rev B Refer to Schematic 957332-1



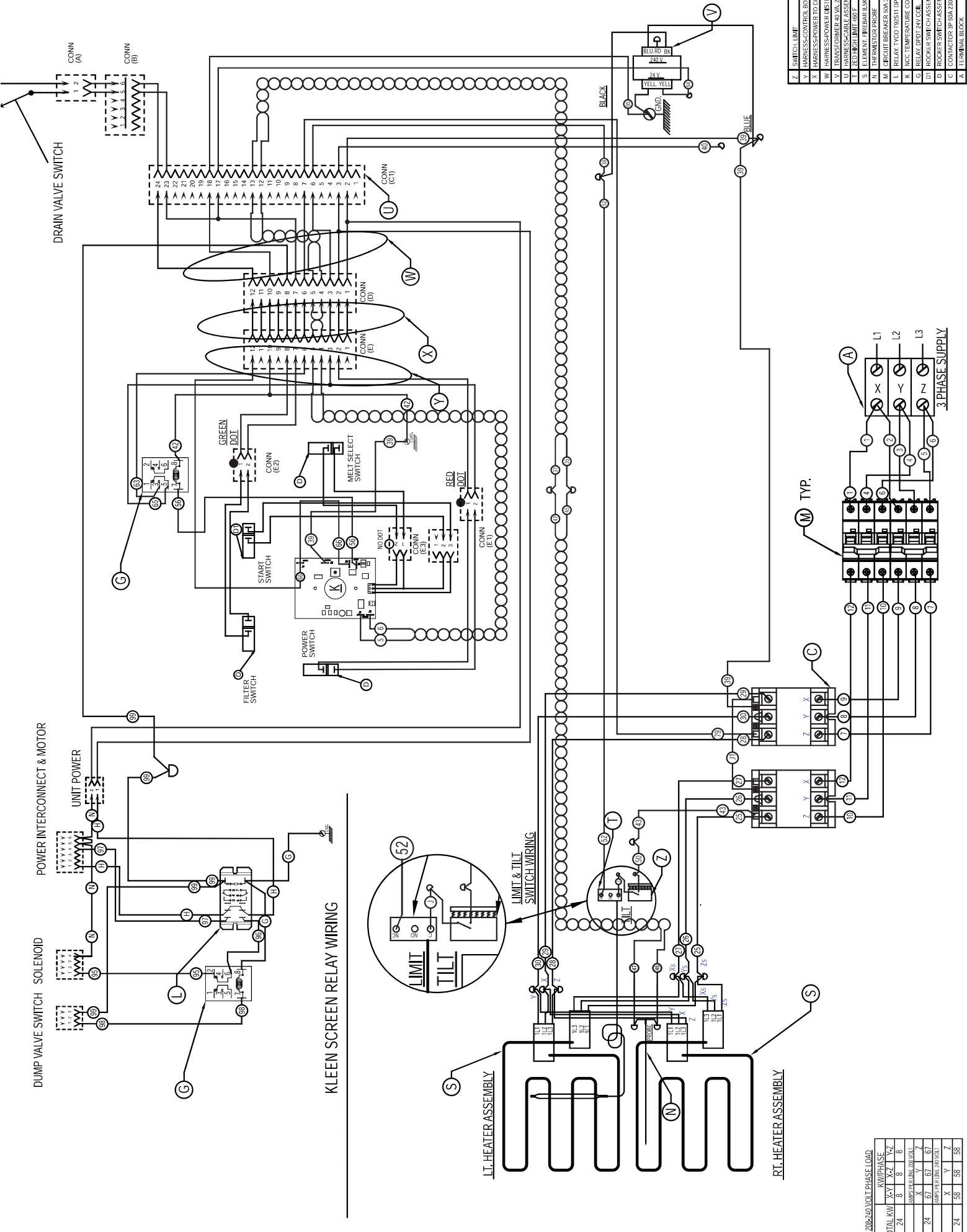
480 VOLT PHASE LOAD

TOTAL KW	KW/PHASE		
	X-Y	X-Z	Y-Z
24	8	8	8
17	5.66	5.66	5.66
14	4.66	4.66	4.66
	AMPS PER LINE		
	X	Y	Z
24	29	29	29
17	20	20	20
14	17	17	17

24.21.17 & 14KW. SLAVE W/SS SWITCHING WIRING D/A. 480V. NCC-ANALOG CONTROL

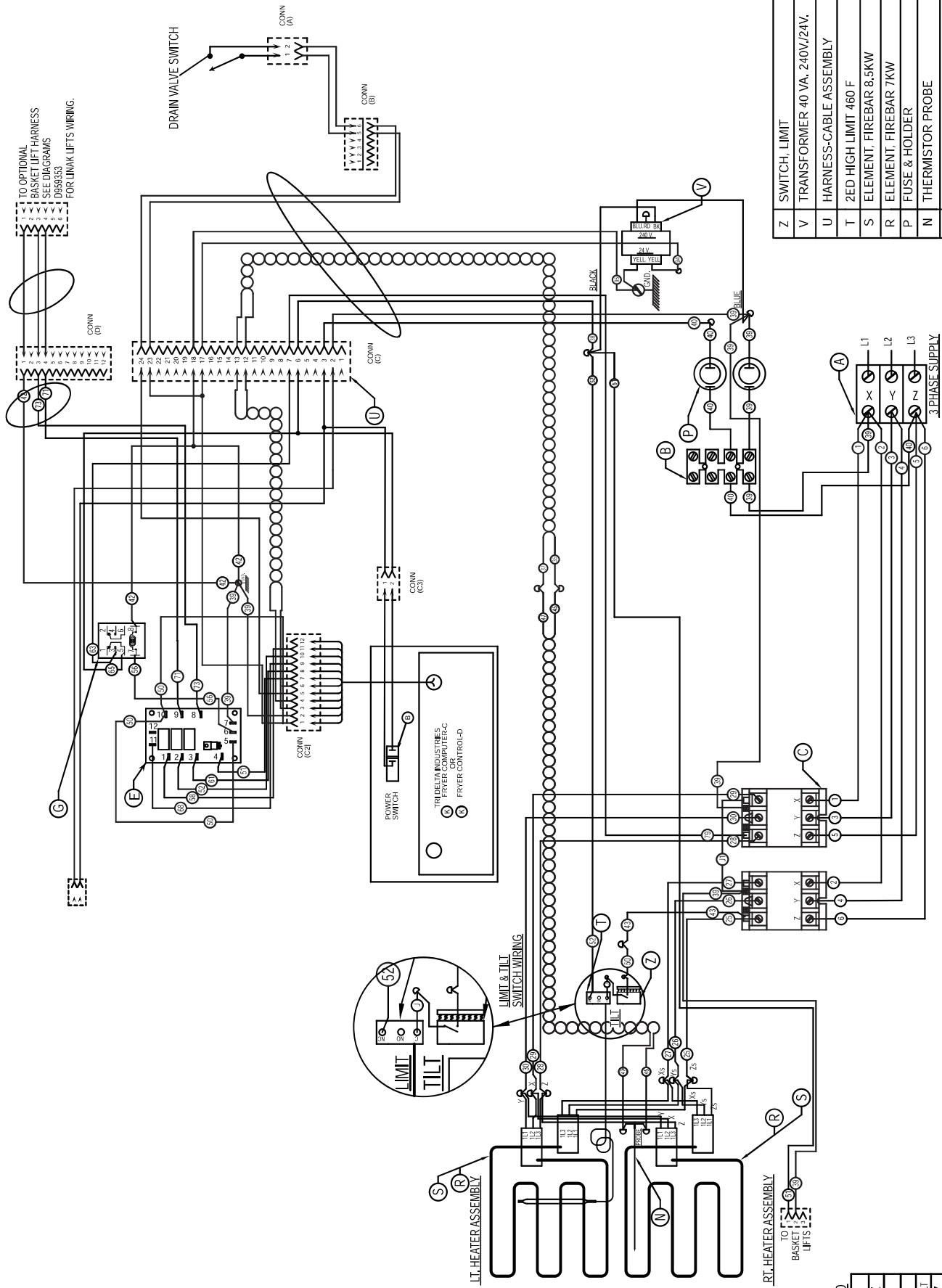
DERIVED FROM 00959349-3 Rev B Refer to Schematic 957332-2

Z	SWITCH, LIMIT
Y	HARNES-CONTROL BOX
X	HARNES-POWER TO CONTROL BOX
V	TRANSFORMER 40 VA, 240V/24V.
W	HARNES-POWER DISTRIBUTION
U	HARNES-CABLE ASSEMBLY
T	2ED HIGH LIMIT 460 F
R3	ELEMENT, FIREBAR 480V, 12KW
R2	ELEMENT, FIREBAR 480V, 10.5KW
R1	ELEMENT, FIREBAR 480V, 8.5KW
N	THERMISTOR PROBE
N	THERMISTOR PROBE
K	NCC TEMPERATURE CONTROL
L	RELX. TYGO J925J1 DPDT 24V COIL
H	RELAY, DPDT 120V.
G	RELAY, DPDT 24V COIL
D1	ROCKER SWITCH ASSEMBLY- START
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 230V COIL
A	TERMINAL BLOCK



208-240VOLT PHASE LOAD			
TOTAL KW	KW/PHASE	X-Y	X-Z
24	8	8	8
		AMP/PHASE LINE 208VOLT	
24	67	67	67
		AMP/PHASE LINE 240VOLT	
24	58	58	58

Z	SWITCH LIMIT
Y	WIRING CONTROL BOX
X	HARNESS-POWER TO CONTROL BOX
W	HARNESS-POWER MTS DISTRIBUTION
V	TRANSFORMER 40 VA. 240V/24V
U	HARNESS-CABLE ASSEMBLY
T	RED LIGHT LIMIT 680 F
S	ELEMENT T. THERMISTOR 30W
R	THERMISTOR PROBE
Q	CIRCUIT BREAKER 50A 3 POLE
P	RELAY TYCOO TRN5T DRHT 24V COIL
K	MCC TEMPERATURE CONTROL
G	RELAY DRDT 24V COIL
D1	ROCKER SWITCH ASSEMBLY-SHIRT
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 200V COIL
A	TERMINAL BLOCK



**208-240 VOLT PHASE LOAD**

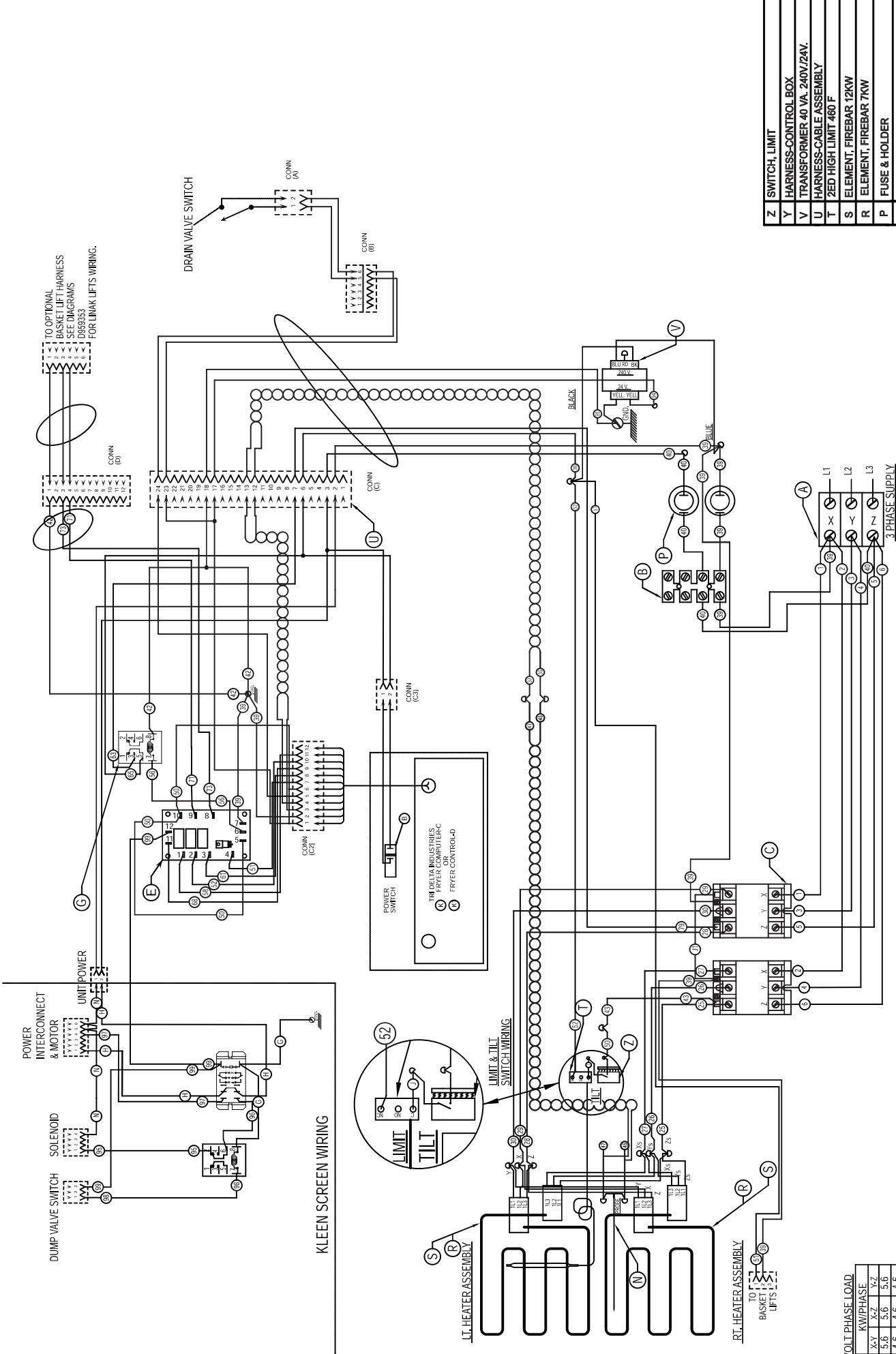
TOTAL KW	KW/PHASE		
	X-Y	X-Z	Y-Z
17	5.6	5.6	5.6
14	4.6	4.6	4.6
AMPS PER LINE 208 VOLT			
	X	Y	Z
17	47	47	47
14	39	39	39
AMPS PER LINE 240 VOLT			
	X	Y	Z
17	41	41	41
14	34	34	34

Z	SWITCH, LIMIT
V	TRANSFORMER 40 VA, 240V/24V,
U	HARNES-CABLE ASSEMBLY
T	2ED HIGH LIMIT 460 F
S	ELEMENT, FIREBAR 8.5KW
R	ELEMENT, FIREBAR 7KW
P	FUSE & HOLDER
N	THERMISTOR, PROBE
K1	NCC CONTROL W / TIMER(S)
K	NCC TEMPERATURE CONTROL
G	RELAY, DPDT 24V COIL
E	CONTROL, INTERFACE TRIDELTA
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 230V COIL
B	STRIP-TERMINAL BARRIER
A	TERMINAL BLOCK

WIRING DIA. 208 & 240 VOLT NCC CONTROL

17 & 14 KW. FULL-VAT FRYERS STAND ALONE

DERIVED FROM 00959322-1 Rev B Refer to Schematic 428281-1

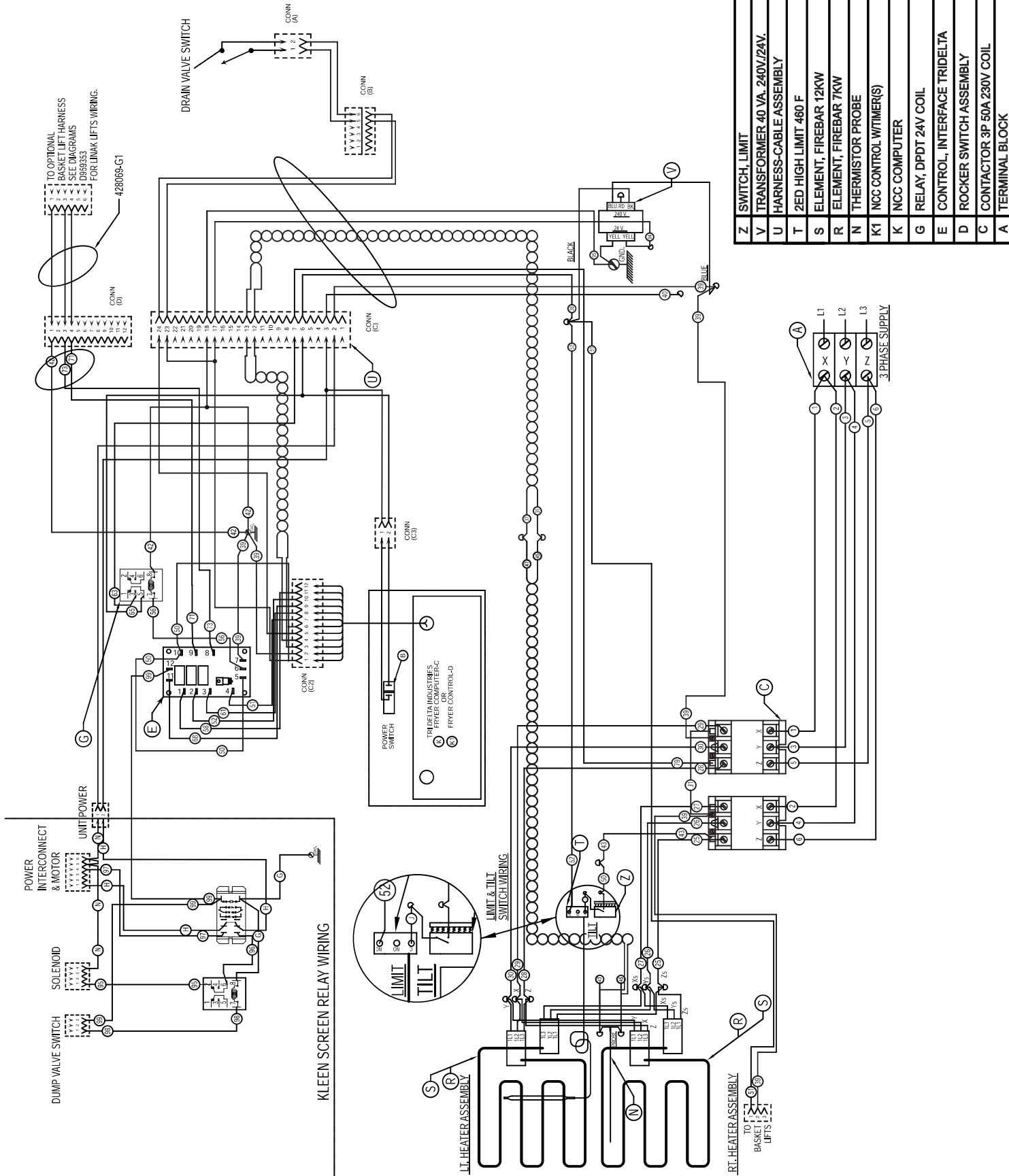


208-240 VOLT PHASE LOAD

TOTAL KW	2-X-Y	X-Z	Y-Z
17	5.6	5.6	5.6
14	4.6	4.6	4.6
AMPS PER LINE 208 VOLT			
X	Y	Z	
17	47	47	39
14	39	39	39
AMPS PER LINE 240 VOLT			
X	Y	Z	
17	41	41	41
14	34	34	34

Z	SWITCH, LIMIT
Y	HARNES-CONTROL BOX
V	TRANSFORMER 40 VA. 240V/24V.
U	HARNES-CABLE ASSEMBLY
T	2ED HIGH LIMIT 460 F
S	ELEMENT, FIREBAR 12KW
R	ELEMENT, FIREBAR 7KW
P	FUSE & HOLDER
N	THERMISTOR PROBE
K	NCC COMPUTER
G	RELAY, DPDT 24V COIL
E	CONTROL, INTERFACE TRIDELTA
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 230V COIL
B	STRIP-TERMINAL BARRIER
A	TERMINAL BLOCK

WIRING DIA. 208 & 240 VOLT DIGITAL  
17 & 14 KW MASTER SOLID STATE SWITCHING



Z	SWITCH, LIMIT
V	TRANSFORMER 40 VA. 240V./24V.
U	HARNES-CABLE ASSEMBLY
T	2ED HIGH LIMIT 460 F
S	ELEMENT, FIREBAR 12KW
R	ELEMENT, FIREBAR 7KW
N	THERMISTOR PROBE
K1	NCC CONTROL W/TIMER(S)
K	NCC COMPUTER
G	RELAY, DPDT 24V COIL
E	CONTROL, INTERFACE TRIDELTA
D	ROCKER SWITCH ASSEMBLY
C	CONTACTOR 3P 50A 230V COIL
A	TERMINAL BLOCK

208-240 VOLT PHASE LOAD

TOTAL KW	X-Y	X-Z	Y-Z
17	5.6	5.6	5.6
14	4.6	4.6	4.6
AMPS PER LINE 208 VOLT			
17	47	47	47
14	39	39	39
AMPS PER LINE 240 VOLT			
17	41	41	41
14	34	34	34