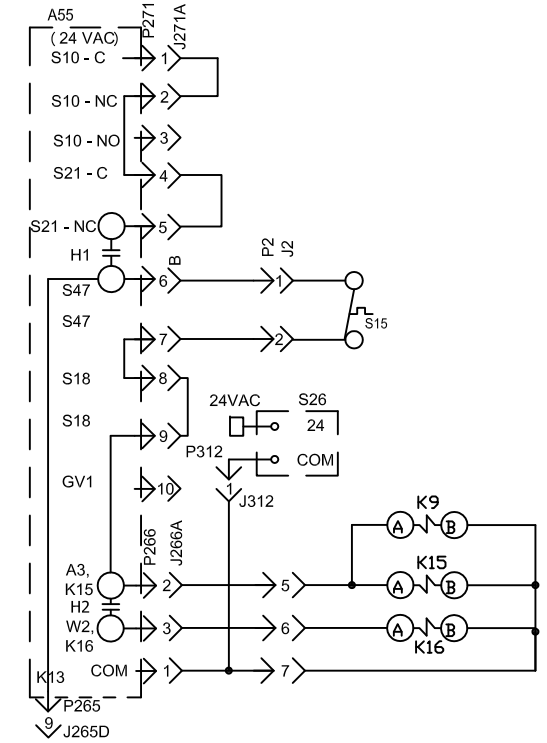
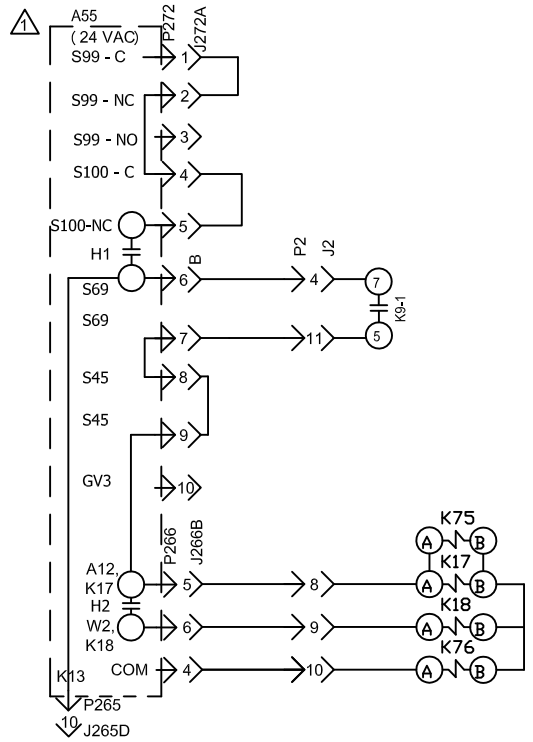
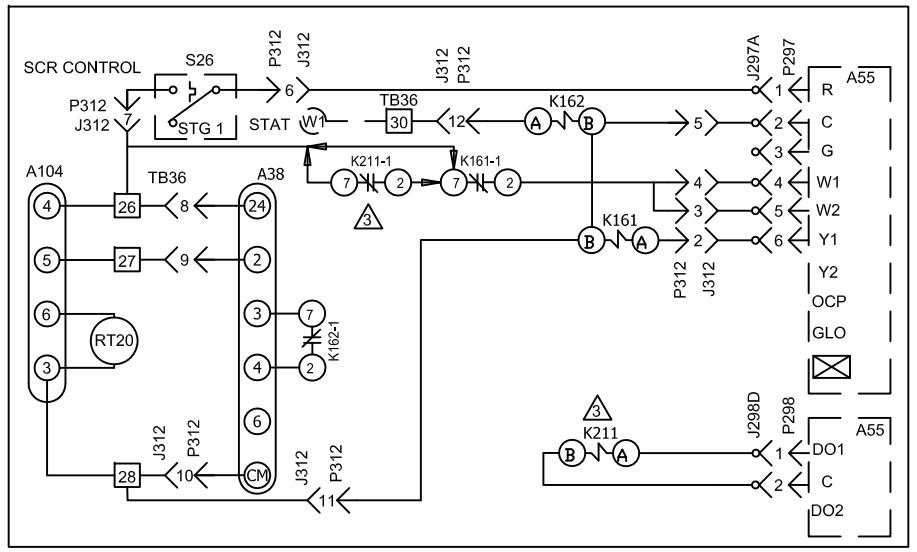




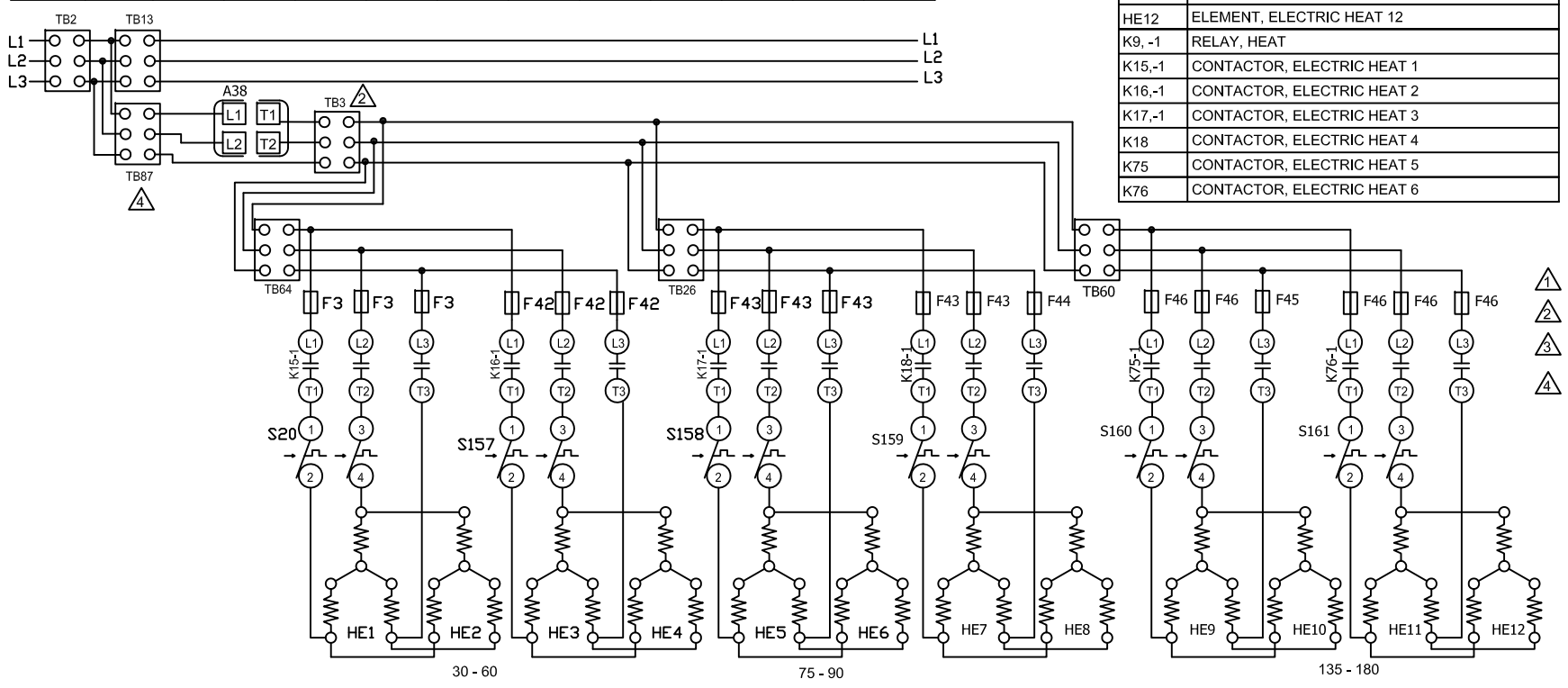


KW	HE1	HE2	HE3	HE4	HE5	HE6	HE7	HE8	HE9	HE10	HE11	HE12
30	15	15										
45	15	15	15									
60	15	15	15	15								
75	15	15	15	15	15							
90	15	15	15	15	15	15						
105	15	15	15	15	15	15	15					
120	15	15	15	15	15	15	15	15				
135	15	15	15	15	15	15	15	15	15			
150	15	15	15	15	15	15	15	15	15	15		
165	15	15	15	15	15	15	15	15	15	15	15	
180	15	15	15	15	15	15	15	15	15	15	15	15

KEY	DESCRIPTION
A38	CONTROL, SCR ELECTRIC HEAT
A55	PANEL, MAIN BOARD LENNOX
A104	THERMOSTAT SUPPLY AIR
F3	FUSE, ELECTRIC HEAT 1
F42	FUSE, ELECTRIC HEAT 2
F43	FUSE, ELECTRIC HEAT 3
F44	FUSE, ELECTRIC HEAT 4
F45	FUSE, ELECTRIC HEAT 5
F46	FUSE, ELECTRIC HEAT 6
HE1	ELEMENT, ELECTRIC HEAT 1
HE2	ELEMENT, ELECTRIC HEAT 2
HE3	ELEMENT, ELECTRIC HEAT 3
HE4	ELEMENT, ELECTRIC HEAT 4
HE5	ELEMENT, ELECTRIC HEAT 5
HE6	ELEMENT, ELECTRIC HEAT 6
HE7	ELEMENT, ELECTRIC HEAT 7
HE8	ELEMENT, ELECTRIC HEAT 8
HE9	ELEMENT, ELECTRIC HEAT 9
HE10	ELEMENT, ELECTRIC HEAT 10
HE11	ELEMENT, ELECTRIC HEAT 11
HE12	ELEMENT, ELECTRIC HEAT 12
K9, -1	RELAY, HEAT
K15,-1	CONTACTOR, ELECTRIC HEAT 1
K16,-1	CONTACTOR, ELECTRIC HEAT 2
K17,-1	CONTACTOR, ELECTRIC HEAT 3
K18	CONTACTOR, ELECTRIC HEAT 4
K75	CONTACTOR, ELECTRIC HEAT 5
K76	CONTACTOR, ELECTRIC HEAT 6

K161	RELAY, SCR INTERRUPT
K162	RELAY, SCR HIGH OUTPUT
K211	RELAY, HEAT LOCK OUT
RT20	SENSOR, DISCHARGE, SCR
S15	SWITCH, LIMIT PRIMARY ELECTRIC HEAT
S20	SWITCH, LIMIT SECONDARY ELECTRIC HEAT 1
S26	THERMOSTAT, AMBIENT
S157	SWITCH, LIMIT SECONDARY ELECTRIC HEAT 2
S158	SWITCH, LIMIT SECONDARY ELECTRIC HEAT 3
S159	SWITCH, LIMIT SECONDARY ELECTRIC HEAT 4
S160	SWITCH, LIMIT SECONDARY ELECTRIC HEAT 5
S161	SWITCH, LIMIT SECONDARY ELECTRIC HEAT 6
TB2	TERMINAL STRIP, UNIT
TB3	TERMINAL STRIP, ELECTRIC HEAT CIRCUIT
TB13	TERMINAL STRIP, POWER DISTRIBUTION
TB26	TERMINAL STRIP, ELECTRIC HEAT CIRCUIT 2
TB36	TERMINAL STRIP, SCR
TB60	TERMINAL STRIP, ELECTRIC HEAT CIRCUIT 1
TB64	TERMINAL STRIP, ELECTRIC HEAT CIRCUIT 1
TB87	TERMINAL BLOCK, POWER DISTRIBUTION E-HEAT

J/P	JACK/PLUG DESCRIPTION
2	ELECTRIC HEAT
265	CONTACTORS AND RELAYS
266	HEATING CONTROL
271	HEATING SENSORS STG 1
272	HEATING SENSORS STG 2
297	THERMOSTAT, DDC INTERFACE
298	IAQ INTERFACE
312	SCR CONTROL



DENOTES OPTIONAL COMPONENTS

1. NOT USED ON 30 - 60KW UNITS
2. TB3 IS USED IN SOME UNITS
3. K211 USED WITH HUMIDITROL CONTROL
4. TB87 IS USED IN SOME UNITS

DESIGNATION	VOLTAGE
G	460/60/3
J	575/60/3

09/15

WIRING DIAGRAM 09/15

537598-02

HEATING - SCR

SCR ELECTRIC HEAT CONTROL - STAND ALONE
E1EH - 30,45,60,75,90,105,120,135,150,165,180 - G,J

SECTION A REV 2

Supersedes | New Form No. 537598-02