

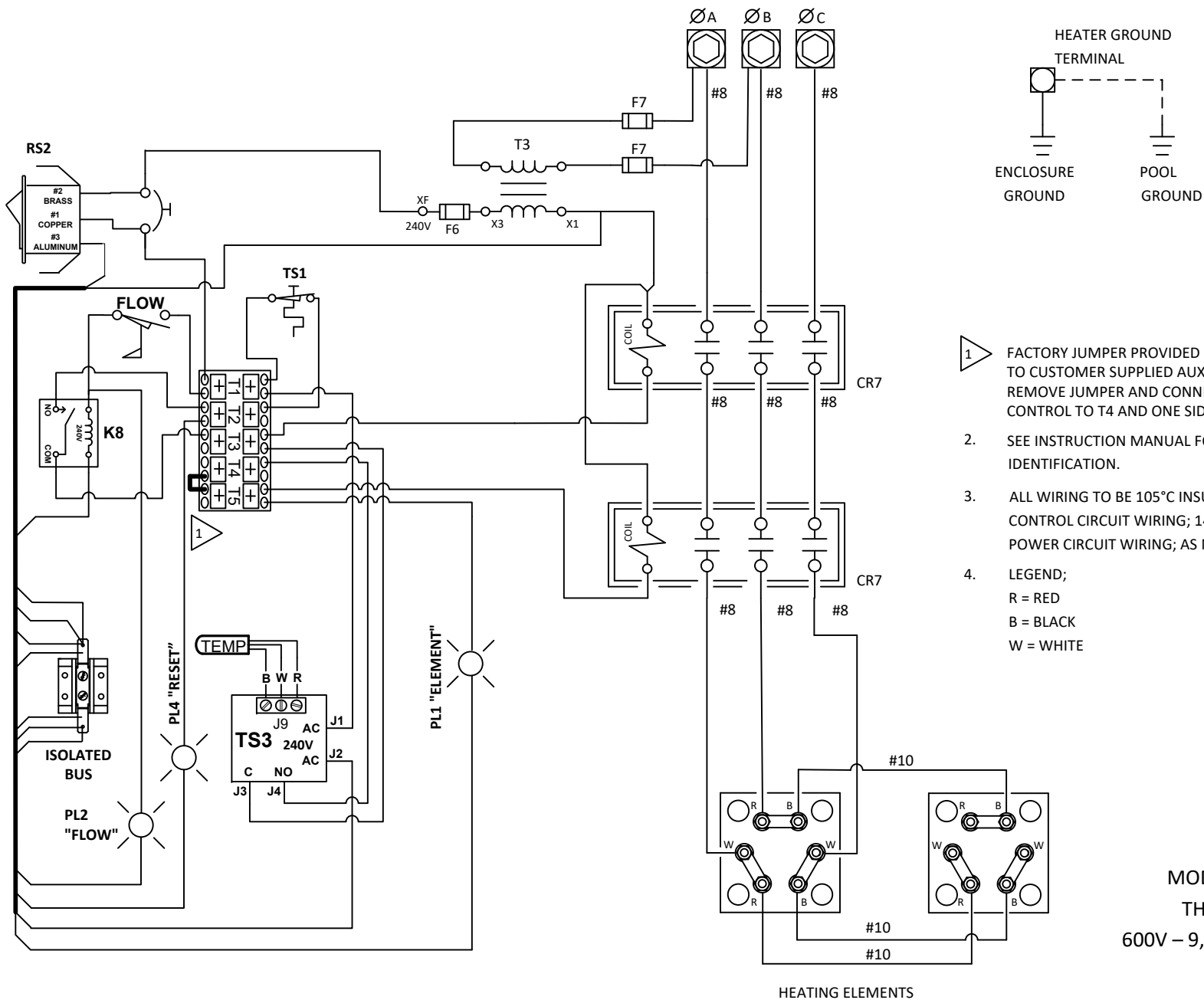
# COATES HEATER COMPANY, INC.


Addendum to the Pool Heater Installation,  
Operation and Maintenance Manual.

THREE PHASE, 600V MODELS  
36009CE THRU 36018CE  
36024CPH THRU 36030CPH  
36036PHS THRU 36057PHS-4

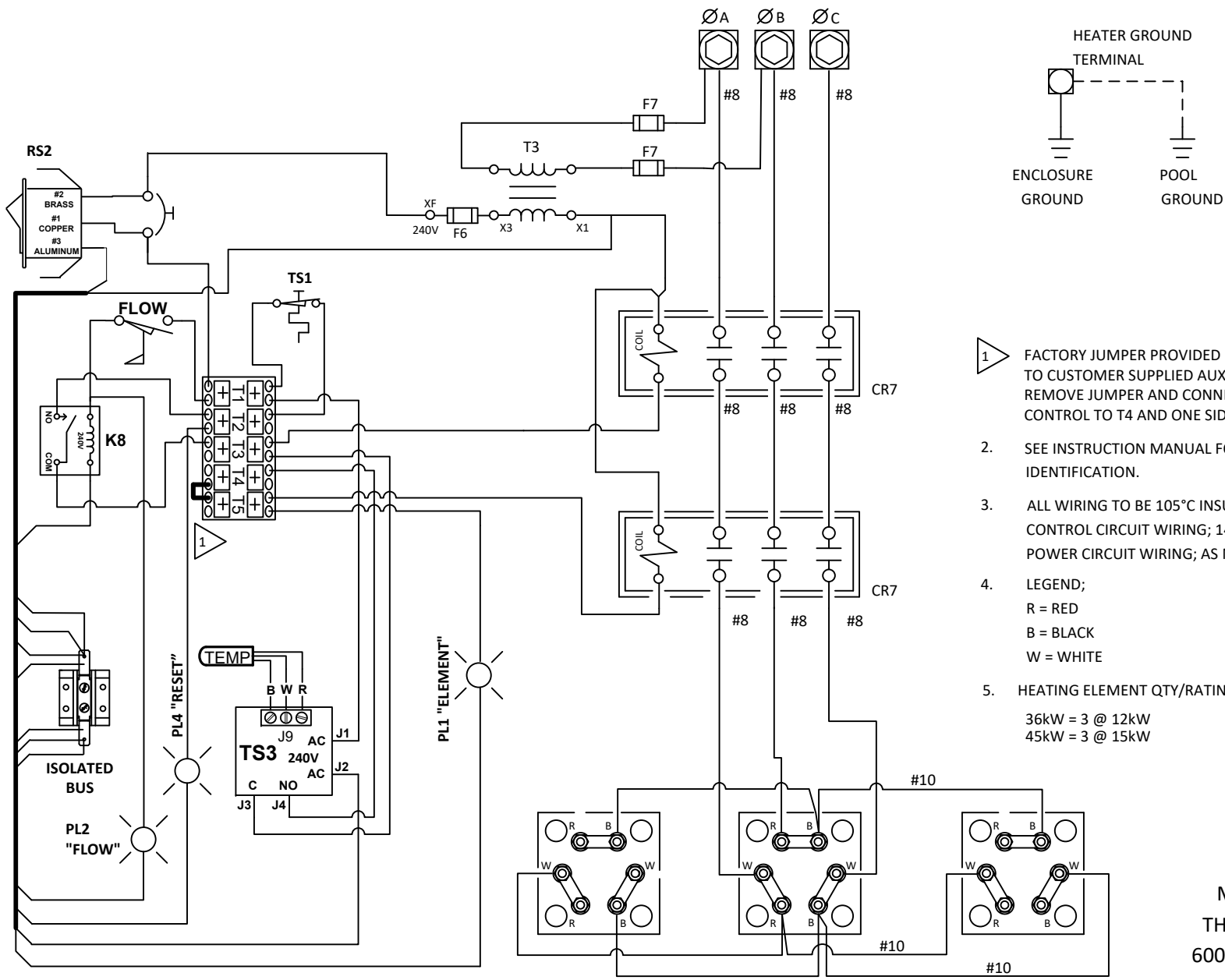
Includes Replacement Parts List.

ILLUSTRATION NUMBER	MODEL No.	THREE PHASE 600V										
	COMPONENTS	Part No.	36009CE	36012CE	36015CE	36018CE	36024CPH	36030CPH	36036PHS	36045PHS	36054PHS	36057PHS
	TOTAL kW OF HEATER		9	12	15	18	24	30	36	45	54	57
	AMPERAGE AT FULL LOAD		9	12	15	18	24	29	35	44	52	55
	ELEMENTS PER HEATER		1	2	2	2	2	2	3	3	4	4
4	FUSE, F6, 1/2A @ 600VAC FNQ-R-1/2	29016305	1	1	1	1	1	1	1	1	1	1
3	FUSE, F7, 1A @ 600VAC FNQ-R-1	29016310	2	2	2	2	2	2	2	2	2	2
18	FUSE, F3, 60A @ 600VAC JKS-60	29017004									6	6
7	XFMR, T3, 380-600/240V-50VA	22010954	1	1	1	1	1	1	1	1	1	1
17	CONTACTOR, CR7, 3P, 50A, 220V COIL	21001000	2	2	2	2	2	2	2	2	4	4
16	CONTACTOR, CR8, 4P, 50A, 220V COIL	21001300										
10	ROCKER SWITCH, RS2	23001521	1	1	1	1	1	1	1	1	1	1
11	TEMP. LIMIT SWITCH, TS1	22003820	1	1	1	1	1	1	1	1	1	1
8	TEMP. CONTROL, TS2	22002001										
8	TEMP. CONTROL, TS3	22002150	1	1	1	1	1	1	1	1	1	1
9	PILOT LIGHT, AMBER, PL1, PL2 & PL4	29034620	2	2	2	2	3	3	3	3	3	3
6	FLOW SWITCH	23000105	1	1	1	1	1	1	1	1	1	1
14	RELAY, 30AMP, 240V COIL, K8	21006010	1	1	1	1	1	1	1	1	1	1
13	HEATING ELEMENT GASKET	44000250	2	2	2	2	2	2	4	4	4	4
12	HEATING ELEMENT, 6kW @ 600V	20006606		2	1							
12	HEATING ELEMENT, 9kW @ 600V	20006609	1		1	2						
12	HEATING ELEMENT, 12kW @ 600V	20006612					2		3		2	1
12	HEATING ELEMENT, 15kW @ 600V	20006615						2		3	2	3

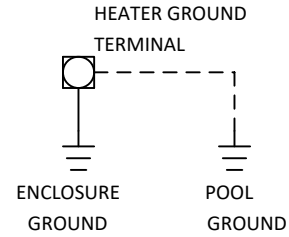


1.  FACTORY JUMPER PROVIDED FOR CONNECTION TO CUSTOMER SUPPLIED AUXILIARY CONTROLS. REMOVE JUMPER AND CONNECT ONE SIDE OF CONTROL TO T4 AND ONE SIDE TO T5.
2. SEE INSTRUCTION MANUAL FOR COMPONENT IDENTIFICATION.
3. ALL WIRING TO BE 105°C INSULATED, MINIMUM. CONTROL CIRCUIT WIRING; 14 AWG. POWER CIRCUIT WIRING; AS NOTED.
4. LEGEND;  
R = RED  
B = BLACK  
W = WHITE

MODEL CE, CPH  
THREE PHASE  
600V – 9, 12, 15, 18, 24 & 30kW



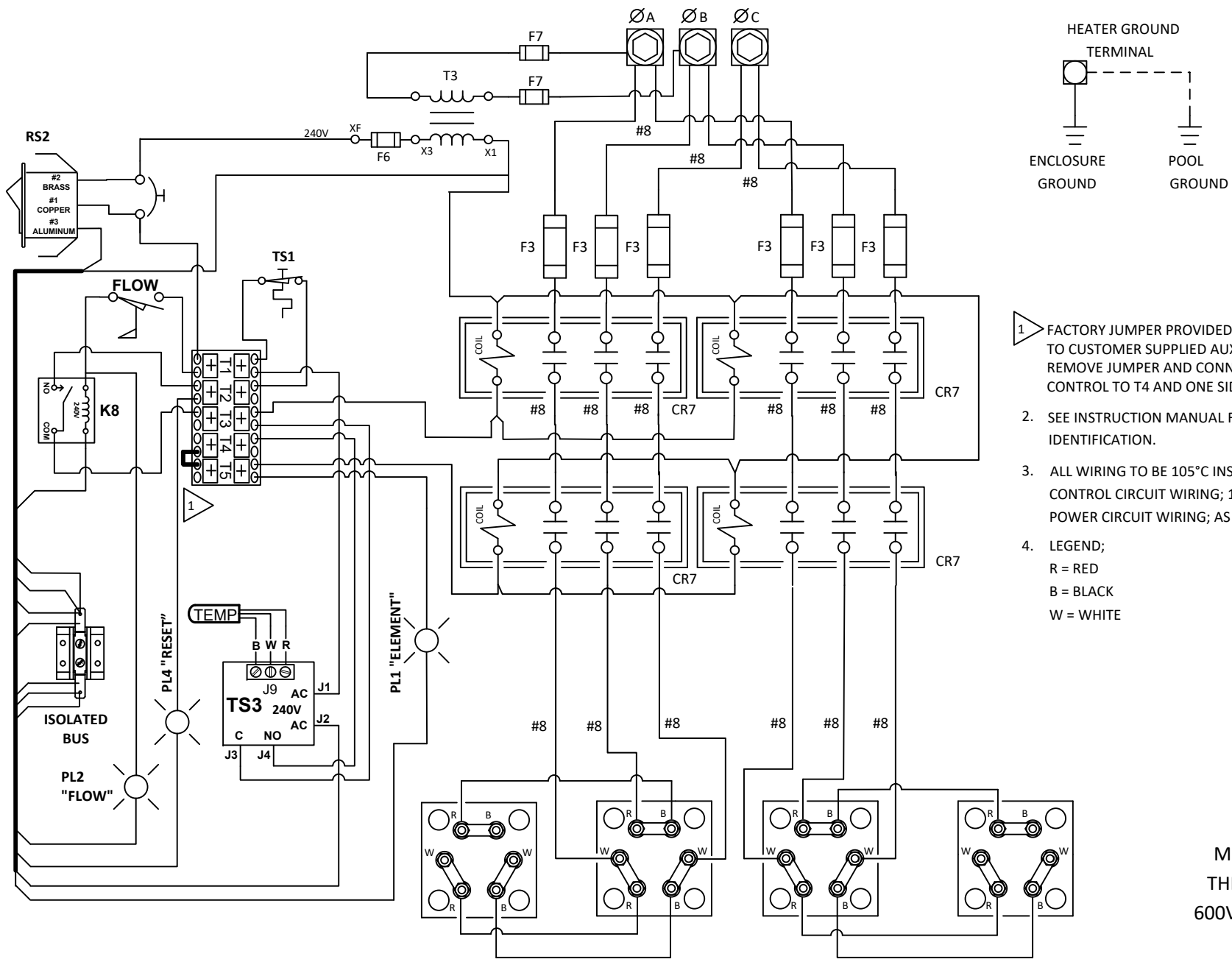
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4. LEGEND;  
 R = RED  
 B = BLACK  
 W = WHITE
5. HEATING ELEMENT QTY/RATING  
 36kW = 3 @ 12kW  
 45kW = 3 @ 15kW



MODEL PHS  
 THREE PHASE  
 600V – 36 & 45kW

HEATING ELEMENTS

3K3645F



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4. LEGEND;  
R = RED  
B = BLACK  
W = WHITE

MODEL PHS  
THREE PHASE  
600V – 54 & 57kW

HEATING ELEMENTS