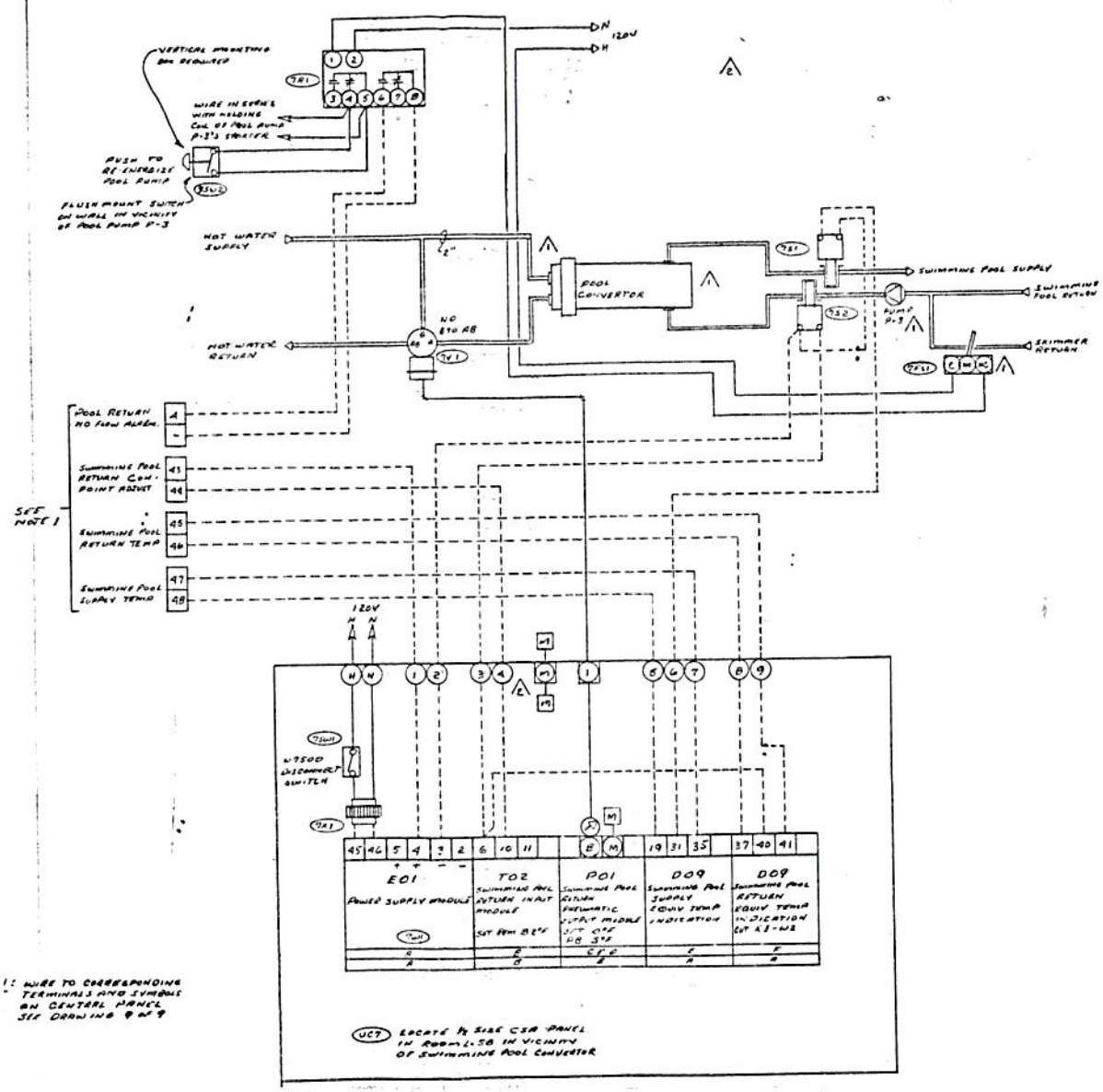

1: WIRE TO CORRESPONDING TERMINALS AND SYMBOLS ON CENTRAL PANEL SEE DRAWING 9 OF 9

SYSTEM NO7: SWIMMING POOL PUMP & CONVERTOR CONTROL (1 SYSTEM)

SYSTEM #6:. DOMESTIC HOT WATER CONTROL

UC5	1	40889096-001	C.S.A. UNIT. CABINET
	1	40889089-001	PERF. PAD
6SW1	1	101725A	W7500 DIS. SWITCH
6X1	1	AT72D1188	120/24V 40VA TRANSFORMER
	2	305909	0-30# GAUGE
	2	43512002-301	6 POS. CONN. BOARD
D09	2	14003011-006	D09 EQUIV. INDICATION CARD
6S1 TO 6S4	4	L7033A1165	WELL MTD. 500 OHM SENSOR
6V1, 6V2	2	MVA	VP516C
6V1, 6V2	2	V5013B1011	3" VALVE CV = 100.0
	2	MP953C1083	8" ACTUATOR
		TAG: DOM. HOT WATER HEATERS NO. 1 & 2 (AERCO)	
6W1	1	W7500-B-77G 1F/2B E01A/T02B/P01B/ B00A/B00A/B00A	W7500 6 POS. CONTROL PANEL
6W2	1	W7500-B-77-H 1F/2B P01C/B00A/T02C B00A/B00A/B00A	W7500 6 POS. CONTROL PANEL

W7500 CONTROL PANEL 6W1 AND 6W2 CONTROL THE DOMESTIC HOT WATER TEMPERATURE. INPUT MODULES T02, THROUGH THEIR OUTPUT MODULES P01 MODULATE VALVES 6V1 AND 6V2 IN ORDER TO MAINTAIN THE HOT WATER TEMPERATURE, AS SENSED BY SENSORS 6S1 AND 6S2, AT THE REQUIRED SET POINT.

SENSORS 6S3 AND 6S4 RELAY THEIR SIGNALS TO THE D09 MODULES ON THE W7500 CONTROL PANEL, WHICH IN TURN INDICATE THE TEMPERATURES AT THE CENTRAL PANEL. SWITCH 6SW1 ALLOWS MANUAL DISCONNECTING OF THE W7500 CONTROL PANEL.

SYSTEM #7: SWIMMING POOL PUMP AND CONVERTOR CONTROL

7PS1	1	FS43	WATER FLOW SWITCH
7SW1	1	101725A	W7500 DISC. SWITCH
7X1	1	AT72D1188	120/24V 40VA TRANSFORMER
	1	305909	0 TO 30# GAUGE
7R1	1	R482C1006	120V DPDT RELAY
D09	2	14003011-006	D09 EQUIV. INDICATION CARD
UC6, UC7	2	40889096-002	½ SIZE C.S.A. UNIT. CABINET
	2	40889089-002	½ SIZE PERF. PAD
7S1, 7S2	2	L7033A1165	WELL MTD. 500 OHM SENSOR
7V1	1	MVA	VP516C
7V1	1	V5013A1062	2" VALVE CV = 40.0
	1	MP953C1083	8" ACTUATOR
		TAG: POOL CONVERTOR	
	⚠2		
7W1	1	W7500-B-77I F01A/T02B/P01B B00A/B00A/B00A	W7500 6 POS. CONTROL PANEL
7SW2	1	2PB236-T2	PUSH BUTTON SWITCH

W7500 CONTROL PANEL 7W1 CONTROLS THE SWIMMING POOL RETURN TEMPERATURE. INPUT MODULE T02, THROUGH THE P01 OUTPUT MODULE, MODULATES VALVE 7V1 IN ORDER TO MAINTAIN THE DESIRED SWIMMING POOL RETURN TEMPERATURE, AS SENSED BY SENSOR 7S2. SENSOR 7S2 AND 7S1 RELAY THEIR SIGNALS TO THE D09 MODULES IN THE W7500 CONTROL PANEL.. THE D09 MODULTES IN TURN, RELAY AN INDICATION OF THE TEMPERATURES TO THE CENTRAL PANEL. SWITCH 7SW1 ALLOWS FOR MANUAL DISCONNECTING OF THE W7500 CONTROL PANEL.

SHOULD A SWIMMING POOL RETURN NO FLOW CONDITION OCCUR, AS SENSED BY FLOW SWITCH 7FS1, RELAY 7R1 IS DE-ENERGIZED. PUMP P-3 IS DE-ENERGIZED BY RELAY 7R1 AND AN ALARM CONDITION SIGNAL IS RELAYED TO THE CENTRAL PANEL.

THE PUMP BEING STOPPED CAN BE OVER RIDDEN MANUALLY BY PUSHING THE "RE-ENERGIZING" SWITCH 7SW2.