

WIRE, 18 AWG:  
 BE = BLUE  
 BK = BLACK  
 BN = BROWN  
 GN = GREEN  
 OE = ORANGE  
 PK = PINK  
 RD = RED  
 VT = VIOLET  
 WE = WHITE  
 YW = YELLOW

WIRE, 12 AWG:  
 \*BK = BLACK  
 \*GN = GREEN  
 \*WE = WHITE  
 \*RD = RED

RELAY/SWITCH  
 TERMINALS:  
 C = COMMON  
 NC = NORM. CLOSED  
 NO = NORM. OPEN

^ OR ^^ = SHIELDED  
 CABLE

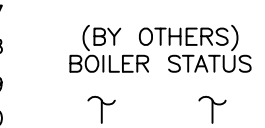
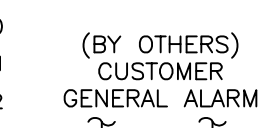
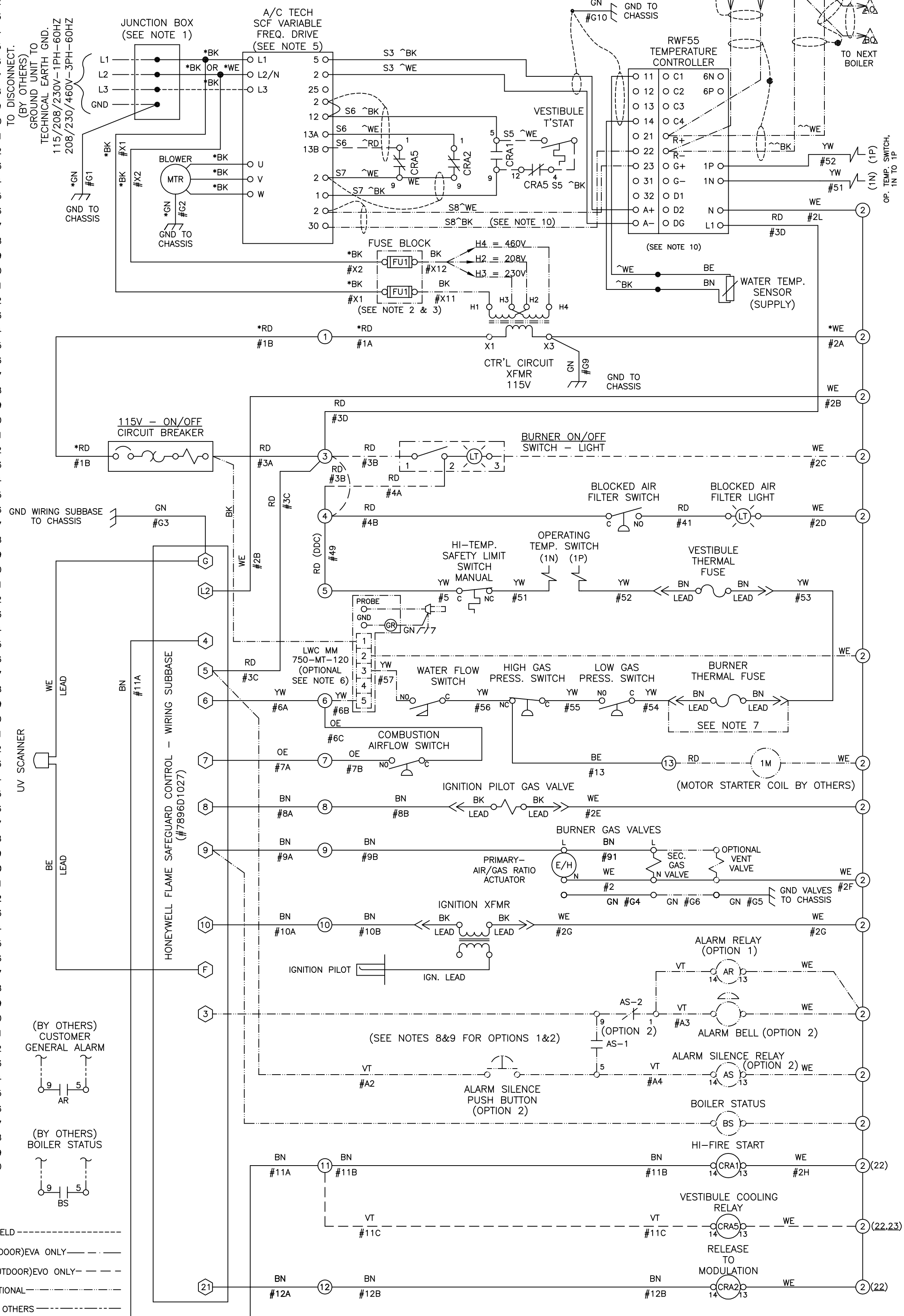
# CONTROL PANEL  
 STRIP TERMINALS

# MODBUS  
 STRIP TERMINALS

WIRE JUNCTION  
 W/ SPRING CAGE  
 CONNECTOR  
 (PN 81368915)

NOTES

- USE TERMS L1 & N FOR 115V 1PH(BK&WE WIRES)  
 USE TERMS L1 & L2 FOR 208/230 1PH(BK WIRES)  
 USE TERMS L1,L2,&L3 FOR 208/230/460/ 3PH(BK WIRES)
- UL CLASS 'CC' CARTRIDGE FUSE,  
 TIME DELAY, 600V AC, 200KA I.R., 3 AMP.
- FOR 120V-1PH ONLY:  
 A. COMBINE RD WIRE LABELED 1A INTO SPRING CAGE  
 CONNECTOR W/ L1 WIRES FROM J-BOX AND VFD.  
 B. COMBINE WE WIRE LABELED 2A INTO SPRING CAGE  
 CONNECTOR W/ L2 WIRES FROM J-BOX AND VFD.  
 C. TRANSFORMER GROUND IS NOT USED.
- FACTORY WIRED TO TERM 5 FOR 0-10VDC. IF  
 4-20mA IS USED, CONNECT WIRE S3^BK TO  
 TERM 25 AND CHANGE PARAMETER P-05 TO 04
- IF LOW WATER CUTOFF IS NOT USED, CONNECT YW WIRE 6B  
 FROM TERMINAL 6 TO WATER FLOW SWITCH TERMINAL NO
- IF THE BURNER THERMAL FUSE IS NOT USED,  
 CONNECT YW WIRE #54 FROM VESTIBULE THERMAL  
 FUSE TO THE LOW GAS PRESSURE SWITCH  
 TERMINAL C
- OPTION 1: GENERAL ALARM RELAY CAN BE USED WITH OPTION 2  
 WHEN SPECIFIED ON WORK ORDER. IF OPTION 2 IS NOT SPECIFIED,  
 CONNECT VT WIRE #A1 FROM TERM 3 ON SUBBASE TO TERM 14  
 ON ALARM RELAY
- OPTION 2: ALARM BELL, SILENCING SWITCH, & SILENCING RELAY  
 CAN BE USED WITH OPTION 1 WHEN SPECIFIED ON THE WORK  
 ORDER. IGNORE OPTION 1 IF IT IS NOT SPECIFIED.
- IF 106695-01 IS ORDERED INSTALL WIRES ON TERMINALS 22,  
 23, R-, R+ OF RWF55 AS SHOWN
- ALL SHIELDED MODBUS WIRES ARE ONLY GROUNDED AT THE  
 RS485 MASTER (SOURCE).



SHIELD -----  
 (INDOOR)EVA ONLY -----  
 (OUTDOOR)EVA ONLY -----  
 OPTIONAL -----  
 BY OTHERS -----

REV. M	EN. 34-1155-10421	DATE: 12/11/15	DWN:	SPS	ENG:	SPS	APPD:	APPD:
CHANGED	ECCS-THB1 TO 106695-01 (RWF55 MODBUS ADD-ON) IN NOTE 10.							

**Thermal Solutions Products LLC**  
 LANCASTER, PA 17604-3244

DRAWING NUMBER	34-1100-C	SCALE	NONE	DWG SIZE	C	SHEET	1 OF 1
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REFERENCE ASME Y14.5M-1994 FOR GEOMETRIC TOLERANCES. ALL DIMENSIONS IN INCHES. DRAWING NOT TO BE SCALED.  
 NON-BASIC DIMENSIONAL AND ANGULAR TOLERANCES UNLESS OTHERWISE NOTED:  
 DECIMALS: X.X - ±0.1, X.XX - ±0.03, X.XXX - ±0.005, FRACTIONAL: ±1/32, ANGULAR: ±1'

PROPERTY OF  
 SUPERCEDES: 34-1051-C, 34-1064-C  
 34-713-C, 34-718-C, 34-1098-C