

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

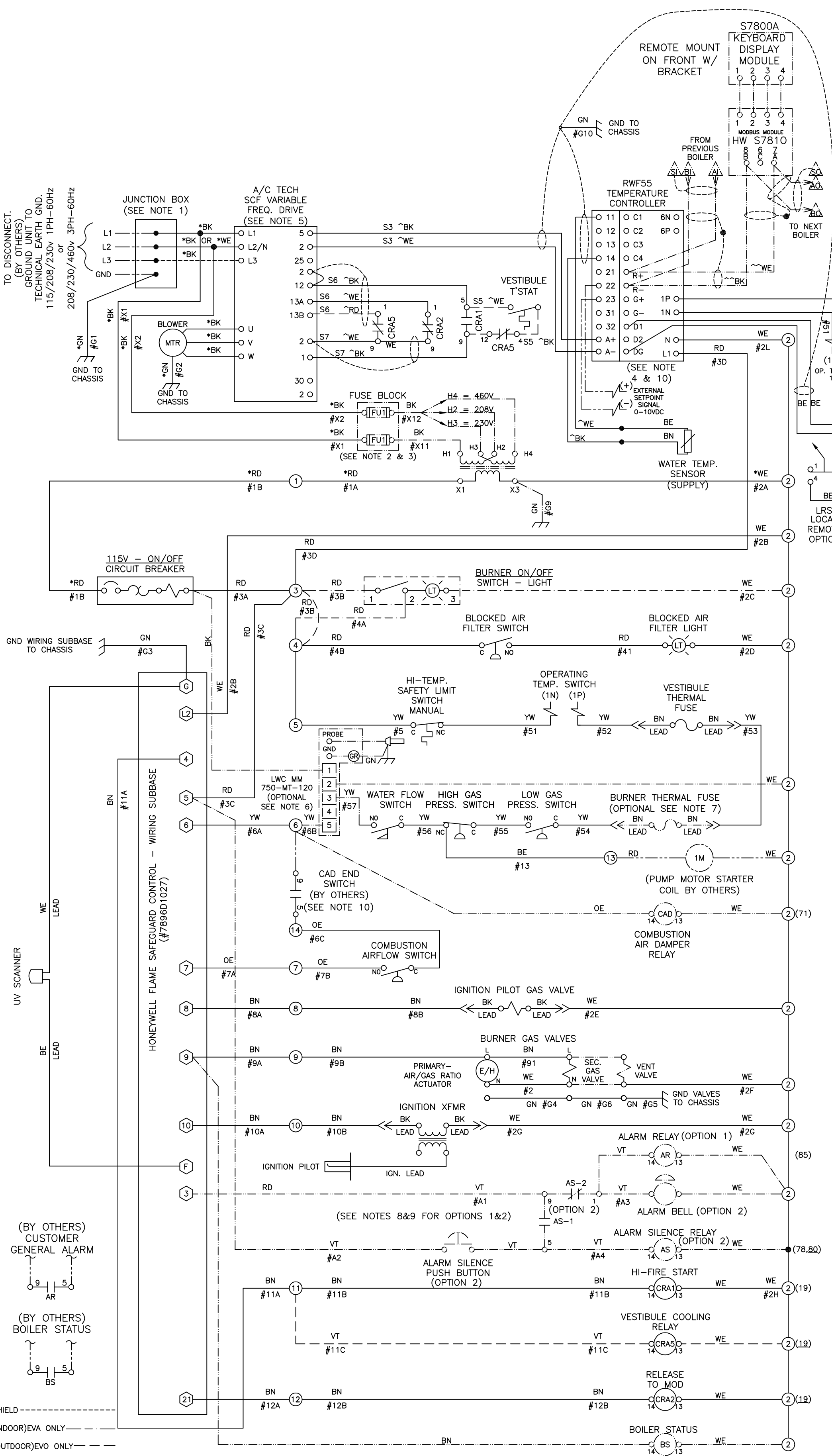
RELAY/SWITCH
 TERMINALS:
 C = COMMON
 NC = NORM. CLOSED
 NO = NORM. OPEN

OR ^^ = SHIELDED
 CABLE

CONTROL PANEL
 TERMINAL STRIP

WIRE JUNCTION
 W/ SPRING CAGE
 CONNECTOR
 (PN 81368915)

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- NOTES:
- USE TERMS L1 & N FOR 120V 1PH(BK & WE WIRE)
 USE TERMS L1 & L2 FOR 208/230 1PH(BK WIRE)
 USE TERMS L1, L2, & L3 FOR 208/230/460 3PH(BK WIRE)
 UL CLASS 'CC' CARTRIDGE FUSE.
 TIME DELAY, 600VAC, 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.
 C. TRANSFORMER GROUND IS NOT USED.
 - RWF55 PROGRAMMING FOR AN EXTERNAL SET POINT
 A. ENTER CONF. INP, INP2, FNC2 AND ADJUST ITS
 VALUE TO 1 (EXTERNAL SETPOINT)
 B. ENTER CONF. INP, INP2, SEN2 AND ADJUST ITS
 VALUE TO 2 FOR 4-20mA OR 3 FOR 0-10 VDC
 C. ENTER CONF. INP, INP2, SCL2 AND ADJUST ITS
 VALUE TO THE LOW TEMPERATURE SETTING
 D. ENTER CONF. INP, INP2, SCH2 AND ADJUST ITS
 VALUE TO THE HIGH TEMPERATURE SETTING
 IF 4-20mA SIGNAL IS USED REMOVE WIRE FROM
 22 AND INSTALL INTO 21
 - FACTORY WIRED TO TERMINAL 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, YW WIRE 6B IS CONNECTED
 FROM TERMINAL 6 TO WATER FLOW SWITCH TERMINAL (NO)
 IF BURNER THERMAL FUSE IS NOT USED, YW WIRE #54 IS
 CONNECTED FROM VESTIBULE THERMAL FUSE TO LOW GAS PRESS.
 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 106995-01 IS ORDERED INSTALL WIRES ON TERMINALS R-, R+ OF
 RWF55 AS SHOWN
 11. INSTALL JUMPER BETWEEN TERMINAL 6 AND 14 IF CAD END
 SWITCH IS NOT USED
 12. ALL SHIELDED MODBUS WIRES ARE ONLY GROUNDED AT THE RS485
 MASTER (SOURCE).

REV: 0 EN: 34-1191-1175 DATE: 01/05/17 DWN: C/JW ENG: RP APPD: APPD:
 MOVED LRS OPTION SO THAT IT IS CONNECTED TO THE RWF55

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'
 SUPERCEDES: 34-1067-C
 PROPERTY OF Thermal Solutions Products LLC
 LANCASTER, PA 17604-3244
 DRAWING NUMBER 34-1099-C SCALE NONE DWG SIZE C SHEET 1 OF 1
 TITLE WIRING, MOD, U/FM/CSD-1/DB&B
 115/208/230/460-1/3PH-60HZ
 LRS FOR EXT. SETPOINTS, CAD RELAY

