

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)

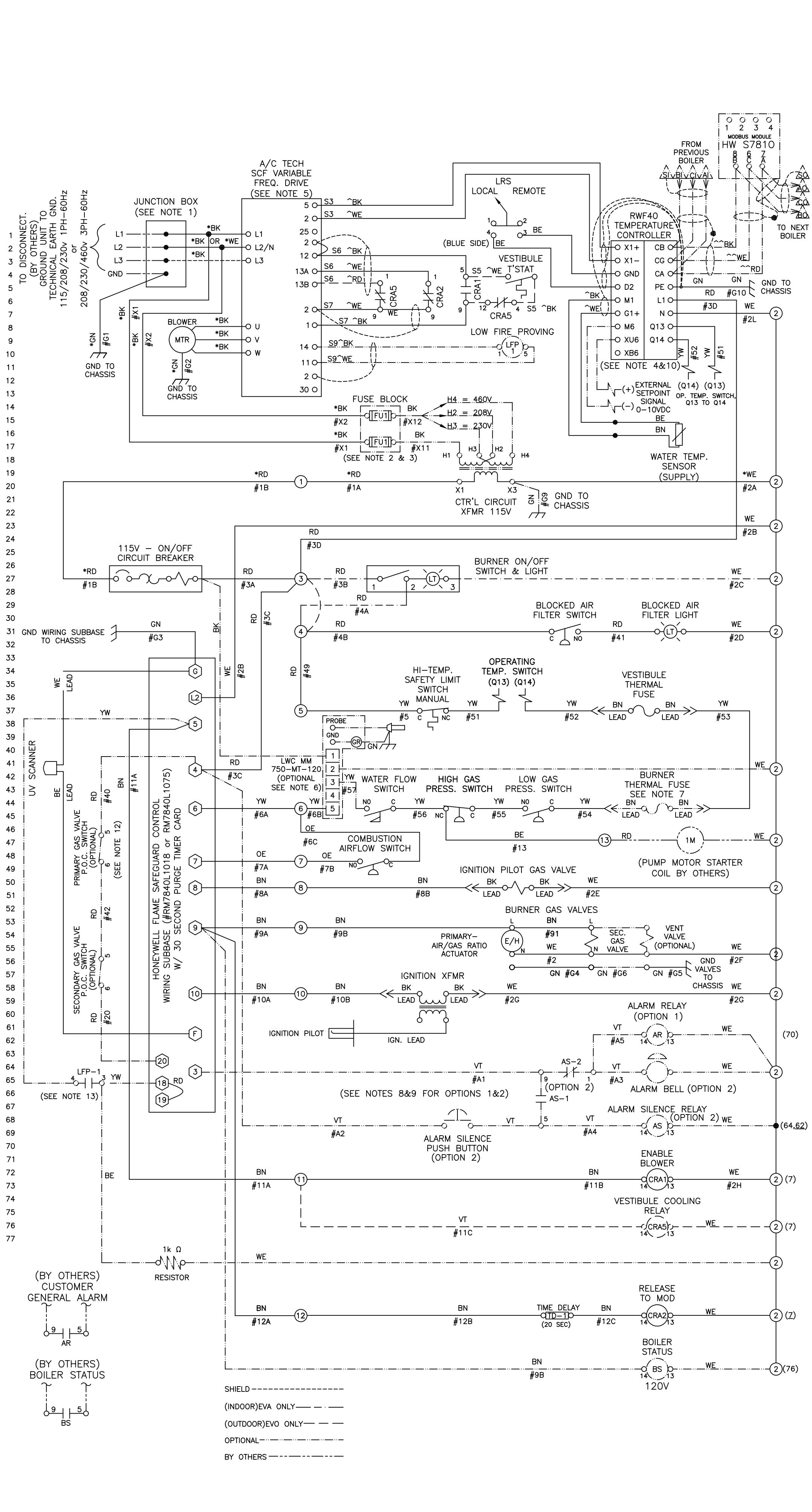
AR = ALARM RELAY SPDT  
 AS = ALARM SILENCE RELAY SPDT

REV. F	EN: 34-1084-9299	DATE: 09/30/14	DWN:	CJW	ENG:	MKU	APPD:	APPD:
LWCO WAS UPDATED								

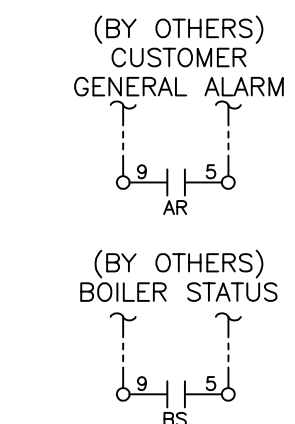
**Thermal Solutions Products LLC**  
 PROPERTY OF  
 LANCASTER, PA 17604-3244

TITLE: WIRING, MOD, EVA SIZE 1 & 2  
 115/208/230/460-1/3PH-60HZ  
 LOW FIRE PROVING(LFP)/RI-POC; LRS FOR EXT. SETPOINT

DRAWING NUMBER: 34-1153-C  
 SCALE: NONE  
 DWG SIZE: C  
 SHEET: 1 OF 1



- NOTES:
- USE TERMS L1 & N FOR 115V 1PH(BK & WE WIRE)
  - USE TERMS L1, L2, & L3 FOR 208/230 1PH(BK WIRES)
  - USE TERMS L1, L2, & L3 FOR 208/230/460 3PH(BK WIRES)
  - UL CLASS 'OC' CARTRIDGE FUSE.
  - TIME DELAY, 600VAC, 200KA I.R., 3 AMP
  - 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.
  - 4.RWF40 PROGRAMMING FOR EXTERNAL SETPOINT  
 C111=9401 FOR 0-10VDC  
 C111=9301 FOR 4-20mA  
 IF 4-20mA SIGNAL IS USED, REMOVE WIRE FROM X06 AND INSTALL INTO X06
  - 5.FACTORY WIRE 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)
  7. IF THE BURNER THERMAL FUSE IS NOT USED, CONNECT YW WIRE #54 FROM VESTIBULE THERMAL FUSE TO THE LOW GAS PRESSURE SWITCH C.
  8. 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
  9. 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.
  10. FOR MODBUS BUILD ONLY(PN'S ECCS-THB OR ECCS-THB1):  
 A) REPLACE STANDARD RWF40:001A97 W/ MODBUS CAPABLE RWF40:002B97.  
 B) INSTALL WIRES ON TERMINALS CB, CG, & CA OF RWF40:002B97 AS SHOWN
  11. IF THE POC OPTION IS NOT USED, INSTALL A JUMPER WIRE FROM TERMINAL 4 TO TERMINAL 20 ON THE HONEYWELL FLAME SAFEGUARD WIRING SUBBASE.
  12. IF THE LFP OPTION IS NOT USED, JUMPER TERMINAL 5 TO TERMINAL 18 ON THE HONEYWELL FLAME SAFEGUARD WIRING SUBBASE.



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