

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)

REV. 1
 EN: 34-1105-9665

DATE: 01/05/15

DWN:

SPS

ENG:

SPS

APPD:

APPD:

Thermal Solutions Products LLC
 LANCASTER, PA 17604-3244

DRAWING NUMBER
 34-1100-C

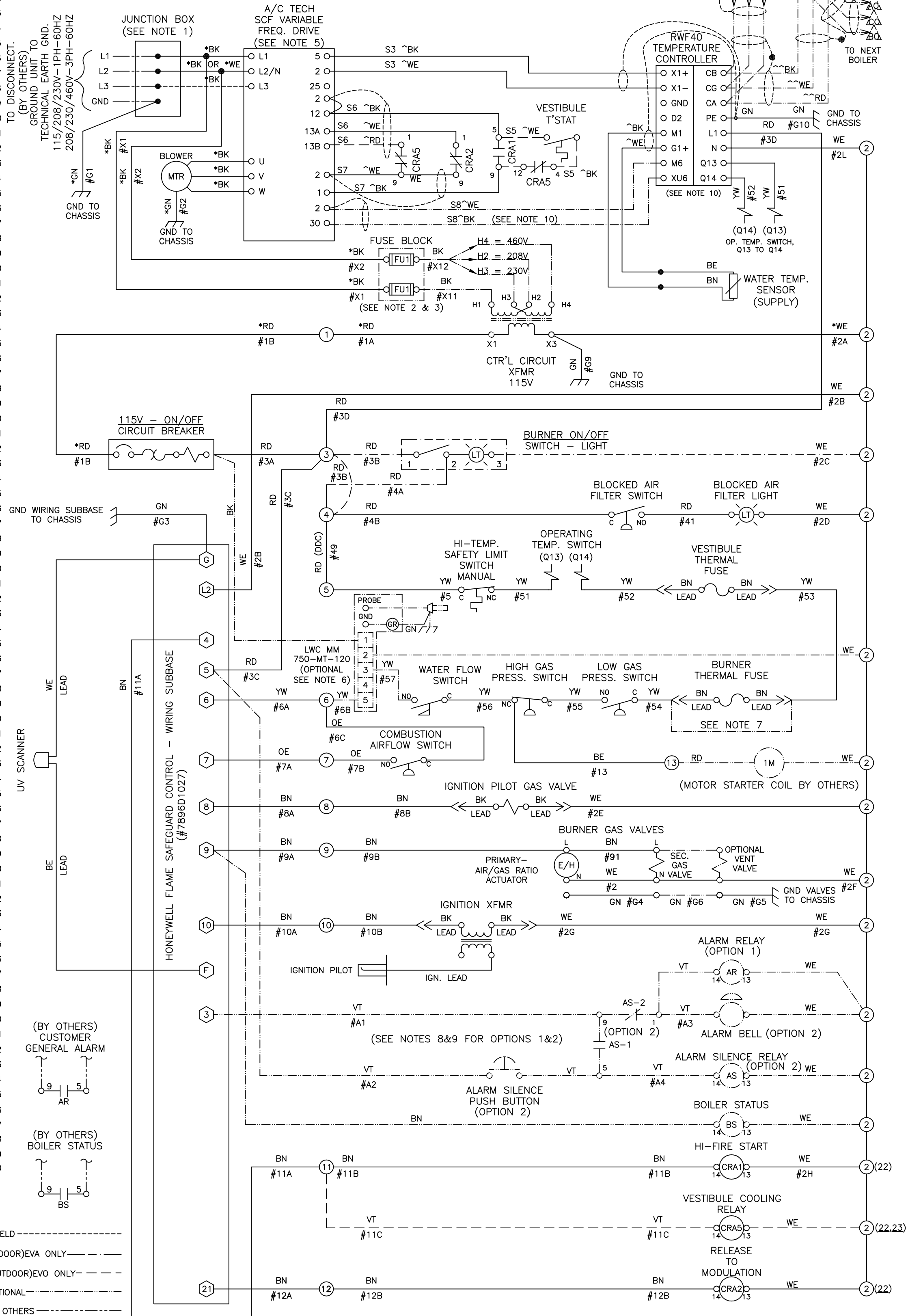
SCALE
 NONE

DWG SIZE
 C

SHEET
 1 OF 1

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.
- FOR MODBUS BUILD ONLY (PN ECCS-THB or ECCS-THB1)
 a.) REPLACE STANDARD RWF40.001A97 W/ MODBUS CAPABLE
 RWF40.002B97
 b.) PROGRAM C111=9E00
 c.) INSTALL WIRES ON TERMINALS M6, XU6, CB, CG, &
 CA OF RWF40.002B97 AS SHOWN



(BY OTHERS)
 CUSTOMER
 GENERAL ALARM

(BY OTHERS)
 BOILER STATUS

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

REMOTE MOUNT
 ON FRONT W/
 BRACKET