

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
 NC = NORM. CLOSED
 NO = NORM. OPEN

OR = SHIELDED
 CABLE

CONTROL PANEL
 STRIP TERMINALS

WIRE JUNCTION
 W/ SPRING CAGE
 CONNECTOR
 (PN 81368915)

REV: J EN: 34-1105-9565 DATE: 01/05/15

DWN: SPS

ENG: SPS

APPD: SPS

APPD: SPS

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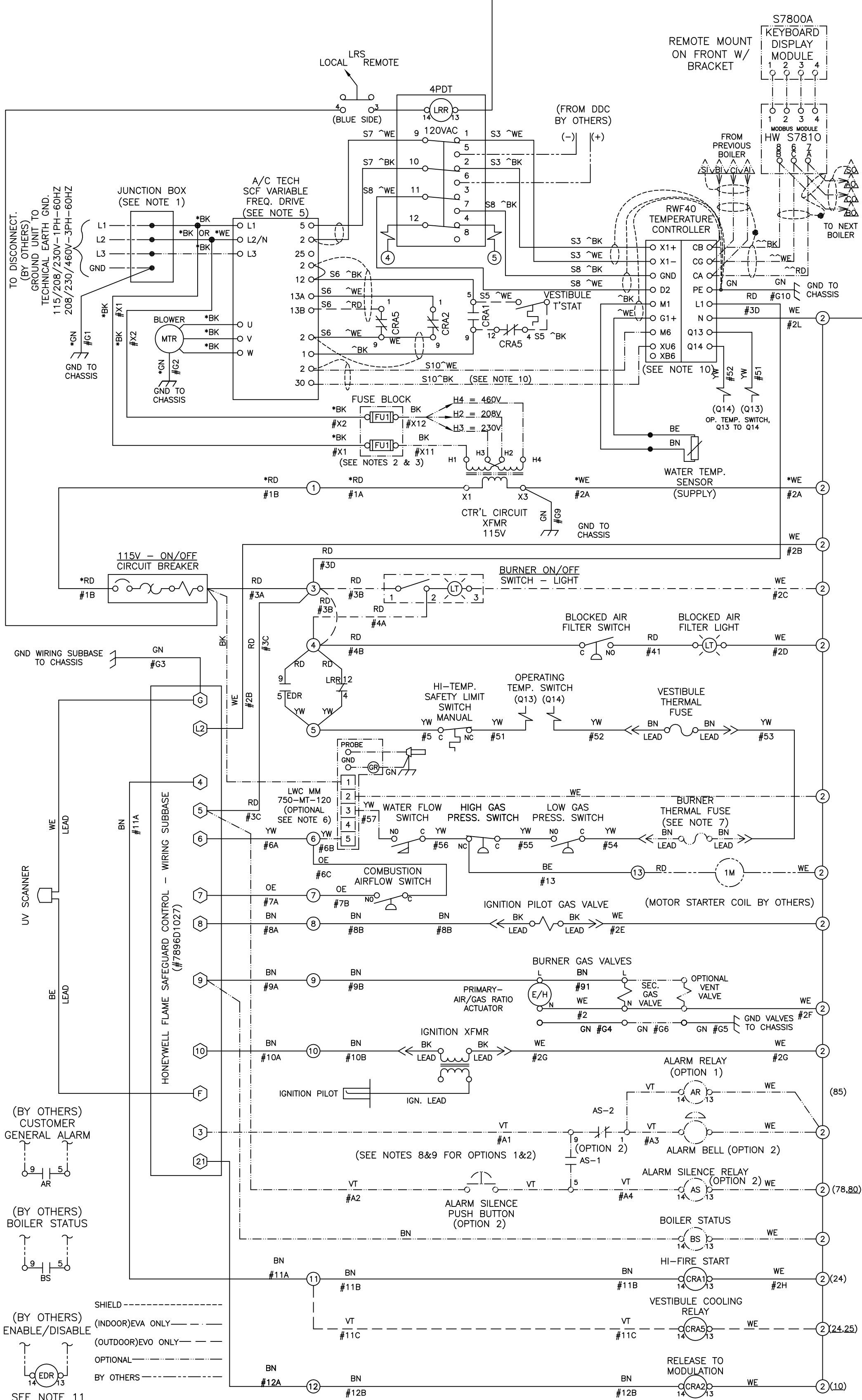
APPD: SPS

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- NOTES:
- TERMS L1 & N FOR 115V 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
 CONNECTOR W/ L2 WIRES FROM J-BOX AND VFD.
 C. TRANSFORMER GROUND IS NOT USED.
 - FACTORY WIRED TO TERMINAL 5 FOR 0-10VDC.
 IF 4-20mA IS USED, CONNECT WIRE S7BK 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, CONNECT YW WIRE #54
 FROM VESTIBULE THERMAL SWITCH TO 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 YW 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.
 - ENABLE/DISABLE RELAY COIL CAN BE 24VDC, 24VAC, OR
 120VAC, USE WHICHEVER IS SPECIFIED ON WORK ORDER.

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 - ±0.05, FRACTIONAL: ±1/32, ANGULAR: ±1°

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SUPERCEDS: 34-1050-C, 34-886-C, 34-1003-C, 34-1049-C

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

TITLE
 WIRING, MOD, SIZE 1 & 2
 115/208/230/460-1/3PH
 UL/FM/CSD-1/DB&B, S FOR MODULATION

DRAWING NUMBER
 34-1101-C

SCALE
 NONE

DWG SIZE
 C

SHEET
 1 OF 1

