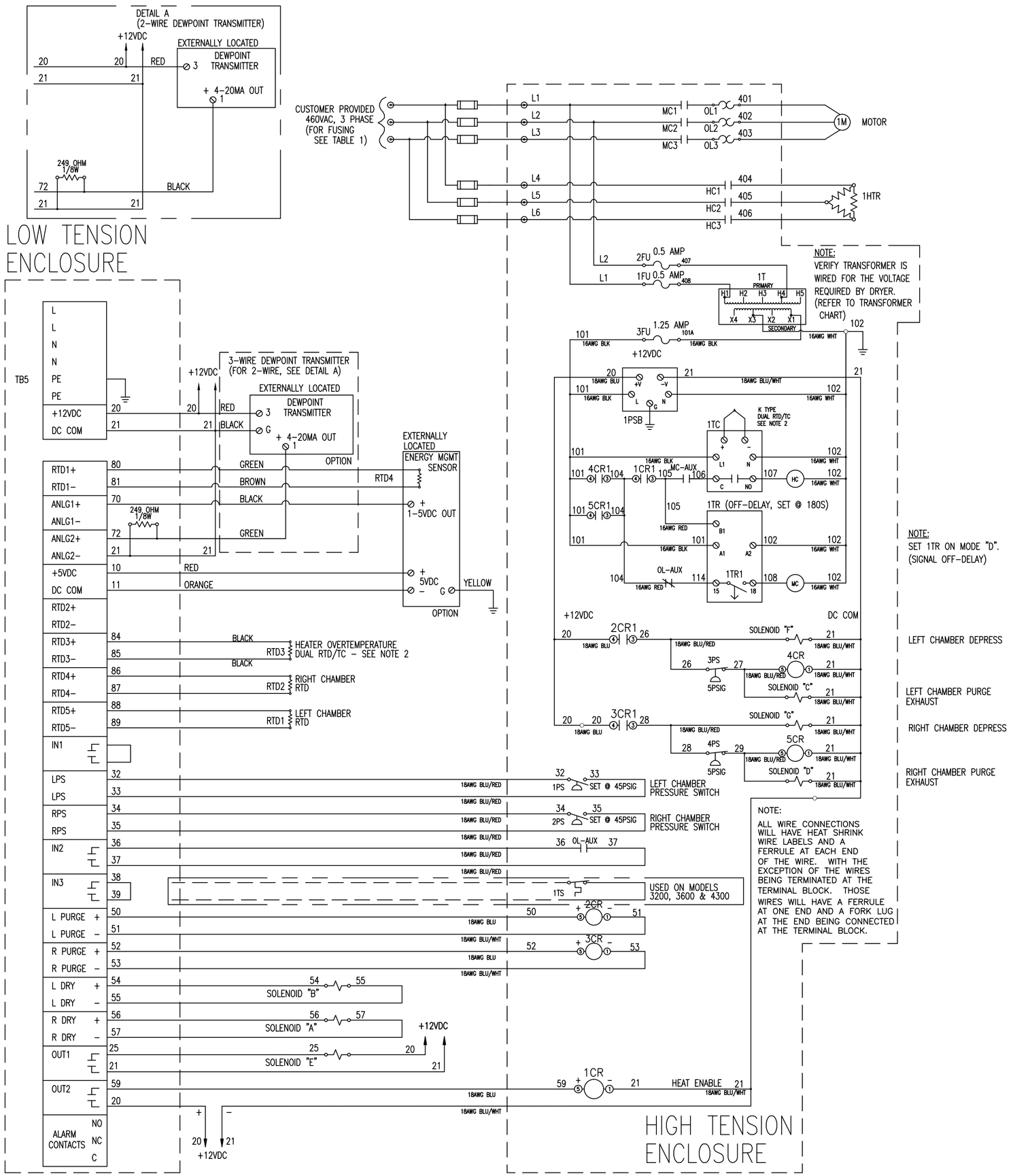

– REVISIONS –

ZONE	REV	DESCRIPTION	CHG BY	CHK BY	APP BY	REL BY	DATE
–	B	CHANGED PRIMARY AND SECONDAY FUSE AMPERAGE	DSL	KJN	KJN	SDM	05/26/05
–	C	ADDED 1TR	MHO	KJN	KJN	SDM	10/28/05
–	D	REVISED RH SENSOR WIRING FOR BOTH NEW & OLD STYLE.	JJO	KJN	KJN	SDM	07/28/06
–	E	ADDED DEWPOINTER DIAGRAM, CHANGED F & G WIRING TO 12VDC	MHO	KJN	KJN	SDM	10/26/09
–	F	MC-ADDED NOTES AT WIRING AND NOTE 2	SOM/BEC	MHO	MHO	SOM/BEC	06/04/19

TRANSFORMER VOLTAGES

CONNECT TO LINE FOR RESPECTIVE VOLTAGE			OUTPUT VOLTS			
H1-H2	H1-H3	H1-H4	H1-H5	X1-X2	X1-X3	X1-X4
208	–	–	500	85	100	110
220	380	440	550	91	110	120
230	400	460	575	95	115	125
240	416	480	600	99	120	130

CONTROL BOARD JUMPER SETTINGS:

JP1 – OFF – EXTERNAL HEATED DRYER CONFIGURATION
ON – BLOWER PURGE DRYER CONFIGURATION
JP2 – ON – ENERGY MANAGEMENT INSTALLED
JP3 – ON – DEWPOINT TRANSMITTER INSTALLED
JP4 – OFF – ENABLE COOLING CYCLE
JP5 – ON – ENABLE SWITCHING FAILURE
JP6 – ON – FAST CYCLE
JP7 – ON – FOR LANGUAGE DOWNLOADS
JP8 – ON – TO ENABLE FACTORY SET-UP SCREENS

TABLE 1.0

MODEL HBP:	COMPONENT	RATING	F.L.A. @460VAC	SUGGESTED FUSING
500	HEATER	10 KW	12.6	20 AMPS
	MOTOR	2.5 HP	4.1	7.5 AMPS
600	HEATER	12 KW	15.1	20 AMPS
	MOTOR	4 HP	6.2	10 AMPS
750	HEATER	14 KW	17.6	25 AMPS
	MOTOR	4 HP	6.2	10 AMPS
900	HEATER	17 KW	21.3	30 AMPS
	MOTOR	4 HP	6.2	10 AMPS
1050	HEATER	19 KW	23.8	30 AMPS
	MOTOR	5 HP	7.6	12 AMPS
1300	HEATER	23 KW	28.9	40 AMPS
	MOTOR	7.5 HP	11	17.5 AMPS
1500	HEATER	28 KW	35.1	45 AMPS
	MOTOR	10 HP	14	20 AMPS
1800	HEATER	33 KW	41.4	60 AMPS
	MOTOR	10 HP	14	20 AMPS
2200	HEATER	40 KW	50.2	70 AMPS
	MOTOR	10 HP	14	20 AMPS
2600	HEATER	45 KW	56.5	80 AMPS
	MOTOR	15 HP	21	30 AMPS
3200	HEATER	54 KW	67.8	90 AMPS
	MOTOR	5 HP	7.6	12 AMPS
3600	HEATER	60 KW	75.3	100 AMPS
	MOTOR	7.5 HP	9	12 AMPS
4300	HEATER	70 KW	87.9	110 AMPS
	MOTOR	7.5 HP	11	17.5 AMPS

*CONTROL VOLTAGE MAY VARY FROM 208-600VAC. VERIFY CORRECT VOLTAGE AND FULL LOAD AMPS ON SPEC SHEET.

NOTES:

1. ALL ELECTRICAL COMPONENTS SHALL BE CSA APPROVED.
2. THIS IS A SINGLE PROBE DUAL RTD/TC, 2 SINGLE BLACK WIRES ARE FOR THE RTD CONNECTIONS AND THE THERMOCOUPLE WIRE WITH ONE RED/ONE YLW WIRE IS FOR THERMOCOUPLE CONNECTIONS TO THE TEMPERATURE CONTROLLER.

NO SUBSTITUTE ON PARTS WITHOUT WRITTEN APPROVAL FROM SPX ENGINEERING.

UNLESS OTHERWISE SPECIFIED:		
DIMENSIONS ARE IN:	N/A	
SURFACE FINISH:	N/A ✓	
TOL.	MM	INCHES
X.	–	–
.X	–	–
.XX	–	–
.XXX	–	–
FRACT: ±1/16	ANG: ±1/2°	
SCALE: NONE	WT: N/A	

	NAME	DATE
DWN BY	KJN	11/08/04
ENG BY	KJN	11/08/04
CHK BY	KJN	11/08/04
APP BY	KJN	11/08/04
REL BY	SDM	11/08/04
MAT NO.	–	

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* DO NOT SCALE. USE DIMENSIONS ONLY *

ELECTRICAL SCHEMATIC

ZP 500-4300 DRYERS, 460VAC, N4

SIZE	DWG. NO.	REV.	SHEET
C	0017108-D2	F	1/1