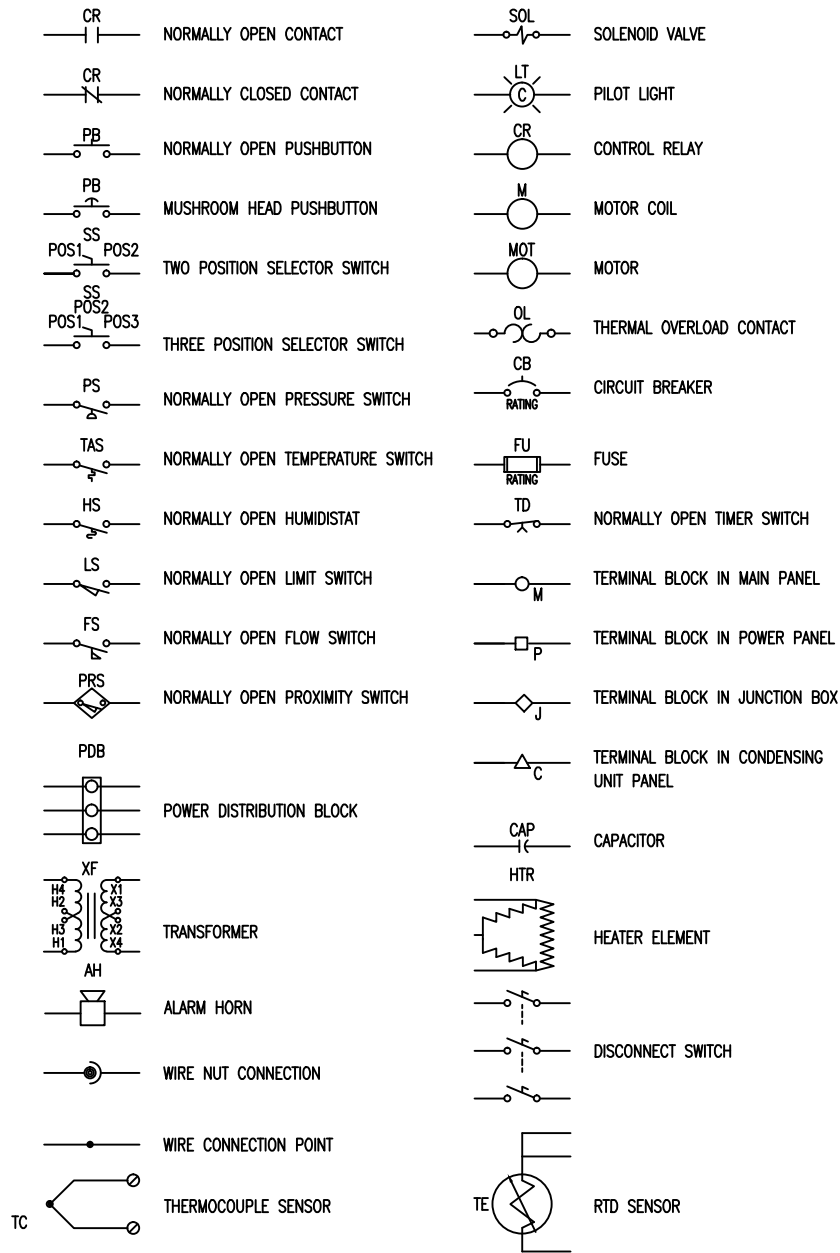


TYPICAL SCHEMATICS SYMBOLS



LUBRIZOL OILFIELD CHEMISTRY, LLC

VFB-9-E-2100-DXA-EAH-HEPA

DRAWING INDEX

DRAWING #	TITLE LINE 1	TITLE LINE 2	REVISION
217064-E1-01	TITLE	PAGE	A
217064-E1-02	COMMUNICATION	LAYOUT	A
217064-E1-03	480 VAC POWER DIAGRAM	MOTOR & HEATER CIRCUITS	A
217064-E1-04	480 VAC POWER DIAGRAM	POST-COOL	A
217064-E1-05	120 VAC	POWER DIAGRAM	A
217064-E1-06	24 VDC	POWER DIAGRAM	A
217064-E1-07	I/O	WIRING DIAGRAM	A
217064-E1-08	I/O	WIRING DIAGRAM	A
217064-E1-09	I/O	WIRING DIAGRAM	A
217064-E1-10	I/O	WIRING DIAGRAM	A
217064-E1-11	I/O	WIRING DIAGRAM	A
217064-I1-01	P&ID	LAYOUT	A
217064-P1-01	FRONT PANEL LAYOUT	AND BILL OF MATERIALS	A
217064-P1-02	SUBPANEL LAYOUT	AND BILL OF MATERIALS	A
217064-P1-03	TERMINAL BLOCK LAYOUT	AND FIELD WIRE CONNECTIONS	A

RELATED DRAWINGS

DRAWING #	TITLE
217064-U001	UNIT OUTLINE
217064-R1	PRE-COOL PIPING SCHEMATIC, R-410A

WIRE COLORS

- ALL UNGROUNDED AC POWER CONDUCTORS TO BE BLACK
- ALL UNGROUNDED AC CONTROL CONDUCTORS TO BE RED
- ALL UNGROUNDED DC CONTROL CONDUCTORS TO BE BLUE
- ALL GROUNDED DC CIRCUIT CONDUCTORS TO BE WHITE WITH BLUE STRIPE
- ALL GROUNDED AC CIRCUIT CONDUCTORS TO BE WHITE
- ALL EQUIPMENT GROUNDING CONDUCTORS TO BE GREEN

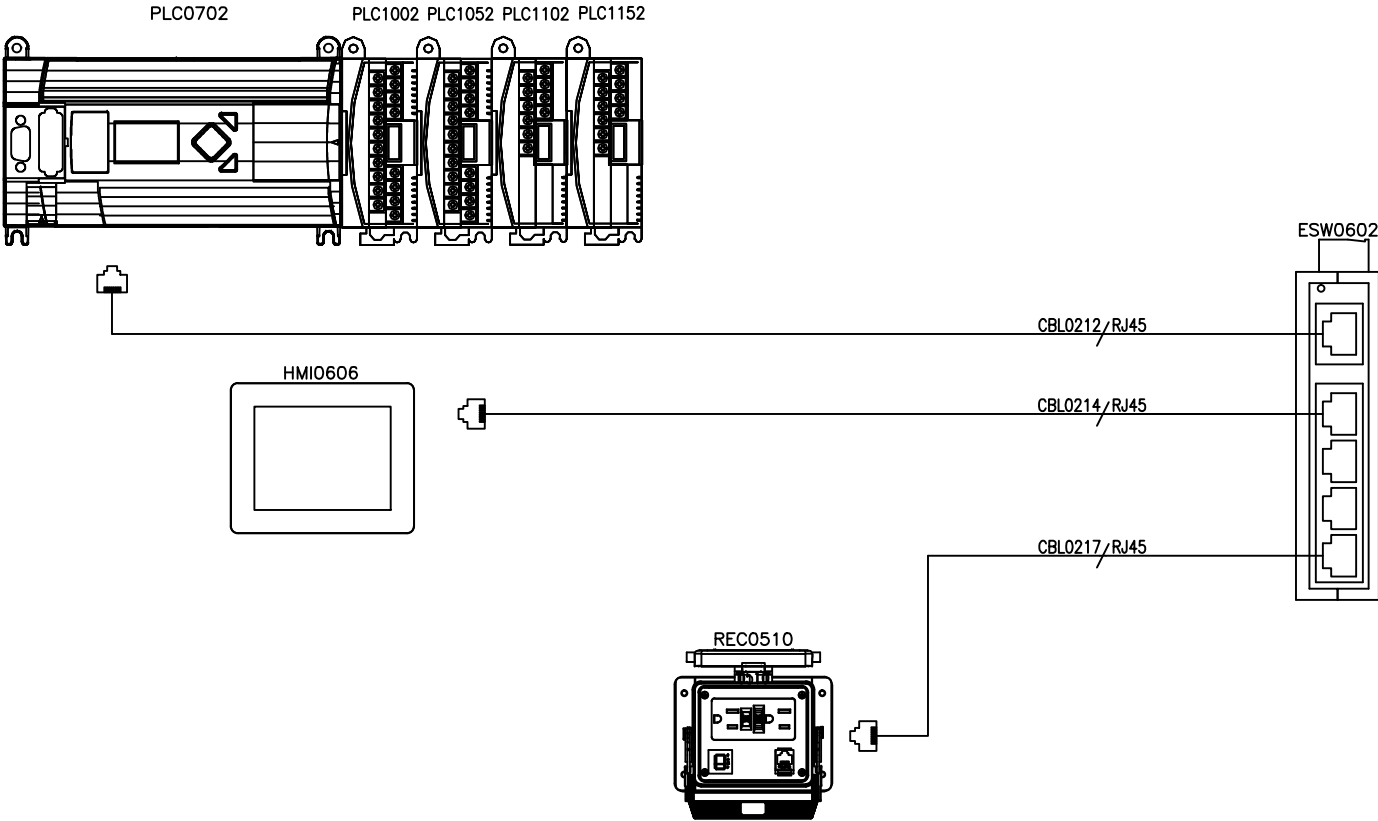
LEGEND

- SOLID LINES INDICATE WIRING BY BRY-AIR
- DASHED LINES INDICATE FIELD WIRING COMPLETED BY OTHERS. (USE 60" COPPER WIRE).

- #### LINE NUMBER CROSS-REFERENCE.
- LAST TWO DIGITS OF LINE NUMBER ON DRAWING.
- SHEET NUMBER.

REV.	MADE BY	APPROVED BY	DATE	DESCRIPTION OF CHANGE	TOLERANCES UNLESS OTHERWISE NOTED:	RELATED DRAWINGS:	DRAWN BY:	DATE:	MODEL:	CUSTOMER:	BRY-AIR, INC. 10793 STATE ROUTE 37 WEST SUNBURY, OHIO 43074 PHONE: (740) 965-2974 FAX: (740) 965-5470	THIS DRAWING AND INFORMATION IS THE SOLE PROPERTY OF BRY-AIR INC. IT IS NOT TO BE REPRODUCED OR DISCLOSED TO OUTSIDE PARTIES WITHOUT WRITTEN PERMISSION.
A	SZS		12/27/17	AS BUILT	INLET AND OUTLET SIZES: $\pm 1/8"$ INLET AND OUTLET LOCATIONS: $\pm 1/2"$ OVERALL DIMENSIONS: $\pm 1/4"$ UNIT WEIGHT: $\pm 5\%$		SZS	09/07/17	VFB-9-E-2100-DXA-EAH-HEPA	LUBRIZOL OILFIELD CHEMISTRY, LLC HOUSTON, TX		TITLE
					ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.	NOTE: DRAWING NUMBERS DO NOT SHOW DRAWING REVISION LEVEL	SCALE: NTS	SIZE: B			® and ™ Trademarks of Bry-Air (Asia) Pvt. Ltd	
							ORDER NUMBER: SGB-217064			CUSTOMER ORDER NUMBER: 4502802462	DRAWING NUMBER: 14-DWG-217064-E1-01	REV. A

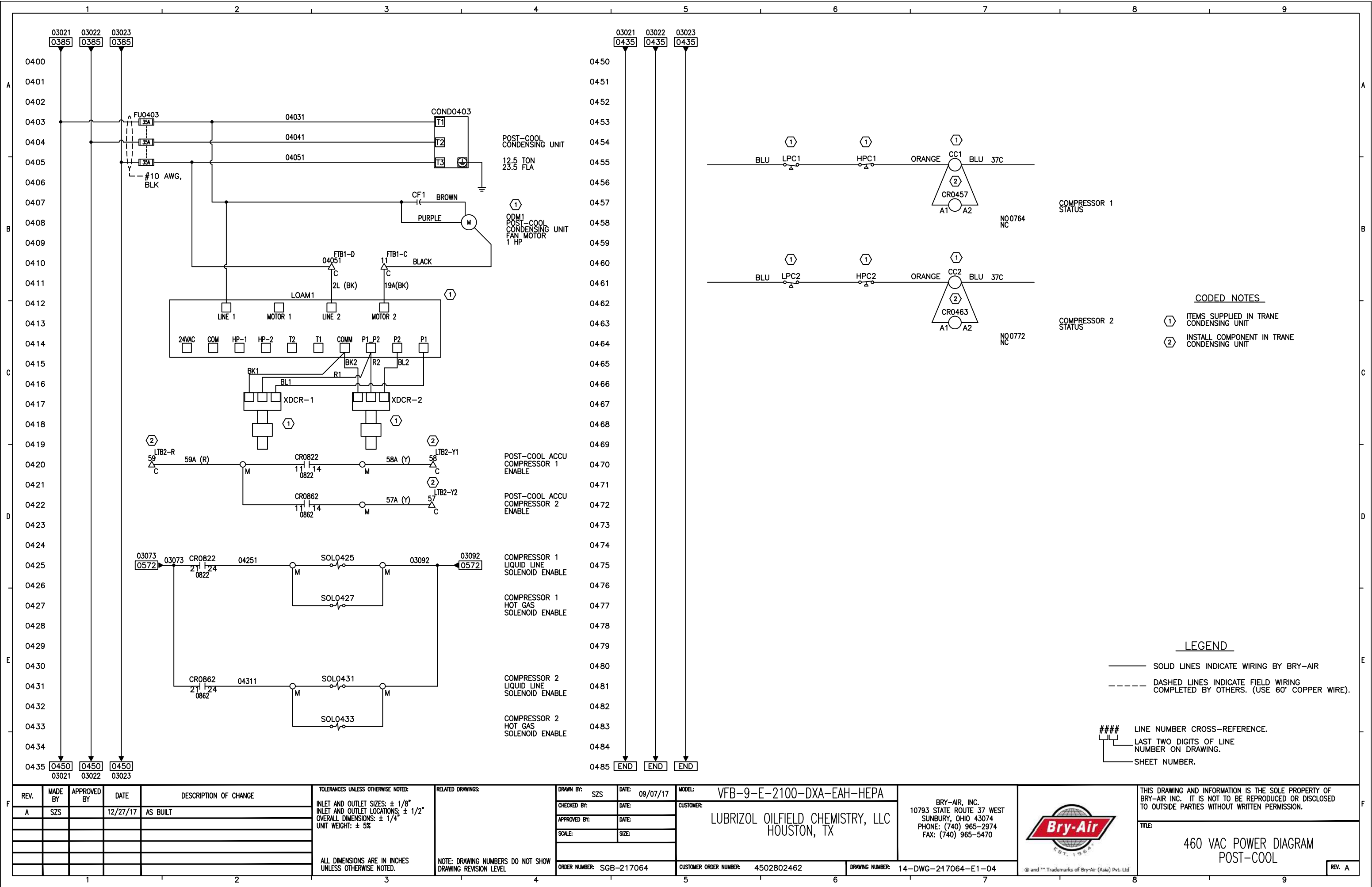
DEVICE	IP ADDRESS	SUBNET MASK	DEFAULT GATEWAY	NOTES
PLC	192.168.5.10	255.255.255.0	0.0.0.0	—
HMI	192.168.5.20	255.255.255.0	0.0.0.0	—



LEGEND

- SOLID LINES INDICATE WIRING BY BRY-AIR
- DASHED LINES INDICATE FIELD WIRING COMPLETED BY OTHERS. (USE 60" COPPER WIRE).
- #### LINE NUMBER CROSS-REFERENCE.
- LAST TWO DIGITS OF LINE NUMBER ON DRAWING.
- SHEET NUMBER.

REV.	MADE BY	APPROVED BY	DATE	DESCRIPTION OF CHANGE	TOLERANCES UNLESS OTHERWISE NOTED:	RELATED DRAWINGS:	DRAWN BY: SZS	DATE: 09/07/17	MODEL: VFB-9-E-2100-DXA-EAH-HEPA	BRY-AIR, INC. 10793 STATE ROUTE 37 WEST SUNBURY, OHIO 43074 PHONE: (740) 965-2974 FAX: (740) 965-5470			THIS DRAWING AND INFORMATION IS THE SOLE PROPERTY OF BRY-AIR INC. IT IS NOT TO BE REPRODUCED OR DISCLOSED TO OUTSIDE PARTIES WITHOUT WRITTEN PERMISSION.
A	SZS		12/27/17	AS BUILT	INLET AND OUTLET SIZES: ± 1/8" INLET AND OUTLET LOCATIONS: ± 1/2" OVERALL DIMENSIONS: ± 1/4" UNIT WEIGHT: ± 5%		CHECKED BY:	DATE:	CUSTOMER: LUBRIZOL OILFIELD CHEMISTRY, LLC HOUSTON, TX				
					ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.	NOTE: DRAWING NUMBERS DO NOT SHOW DRAWING REVISION LEVEL	APPROVED BY:	DATE:	CUSTOMER ORDER NUMBER: 4502802462	DRAWING NUMBER: 14-DWG-217064-E1-02		® and ™ Trademarks of Bry-Air (Asia) Pvt. Ltd	COMMUNICATION LAYOUT
							SCALE: NTS	SIZE: B	ORDER NUMBER: SGB-217064				
													REV. A



CODED NOTES

- ① ITEMS SUPPLIED IN TRANE CONDENSING UNIT
- ② INSTALL COMPONENT IN TRANE CONDENSING UNIT

LEGEND

- SOLID LINES INDICATE WIRING BY BRY-AIR
- DASHED LINES INDICATE FIELD WIRING COMPLETED BY OTHERS. (USE 60" COPPER WIRE).
- #### LINE NUMBER CROSS-REFERENCE.
- LAST TWO DIGITS OF LINE NUMBER ON DRAWING.
- SHEET NUMBER.

REV.	MADE BY	APPROVED BY	DATE	DESCRIPTION OF CHANGE
A	SZS		12/27/17	AS BUILT

TOLERANCES UNLESS OTHERWISE NOTED:
INLET AND OUTLET SIZES: ± 1/8"
INLET AND OUTLET LOCATIONS: ± 1/2"
OVERALL DIMENSIONS: ± 1/4"
UNIT WEIGHT: ± 5%

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

RELATED DRAWINGS:

NOTE: DRAWING NUMBERS DO NOT SHOW DRAWING REVISION LEVEL

DRAWN BY: SZS
CHECKED BY:
APPROVED BY:
SCALE:
DATE: 09/07/17
SIZE:

MODEL: VFB-9-E-2100-DXA-EAH-HEPA
CUSTOMER: LUBRIZOL OILFIELD CHEMISTRY, LLC
HOUSTON, TX

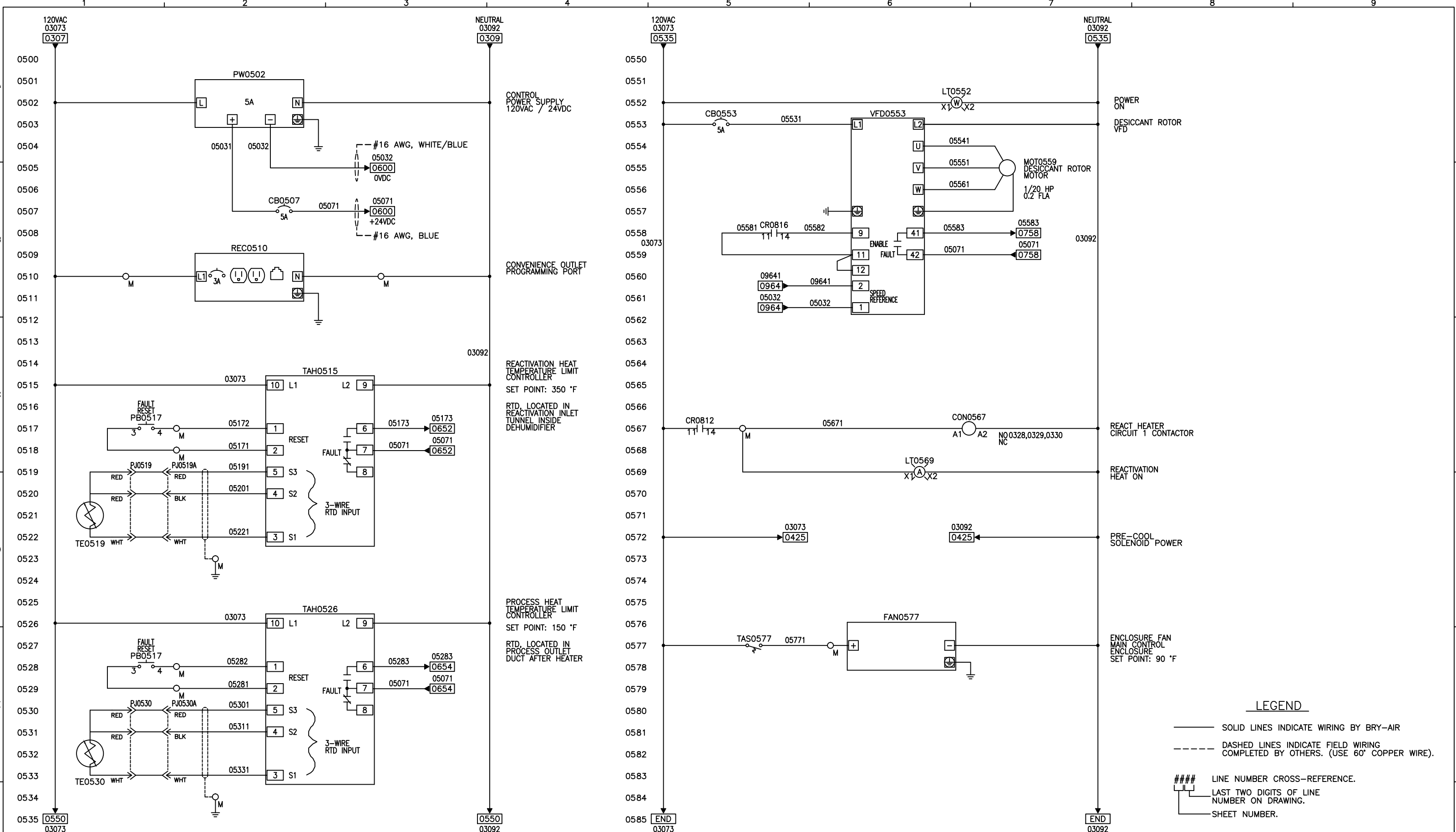
BRY-AIR, INC.
10793 STATE ROUTE 37 WEST
SUNBURY, OHIO 43074
PHONE: (740) 965-2974
FAX: (740) 965-5470



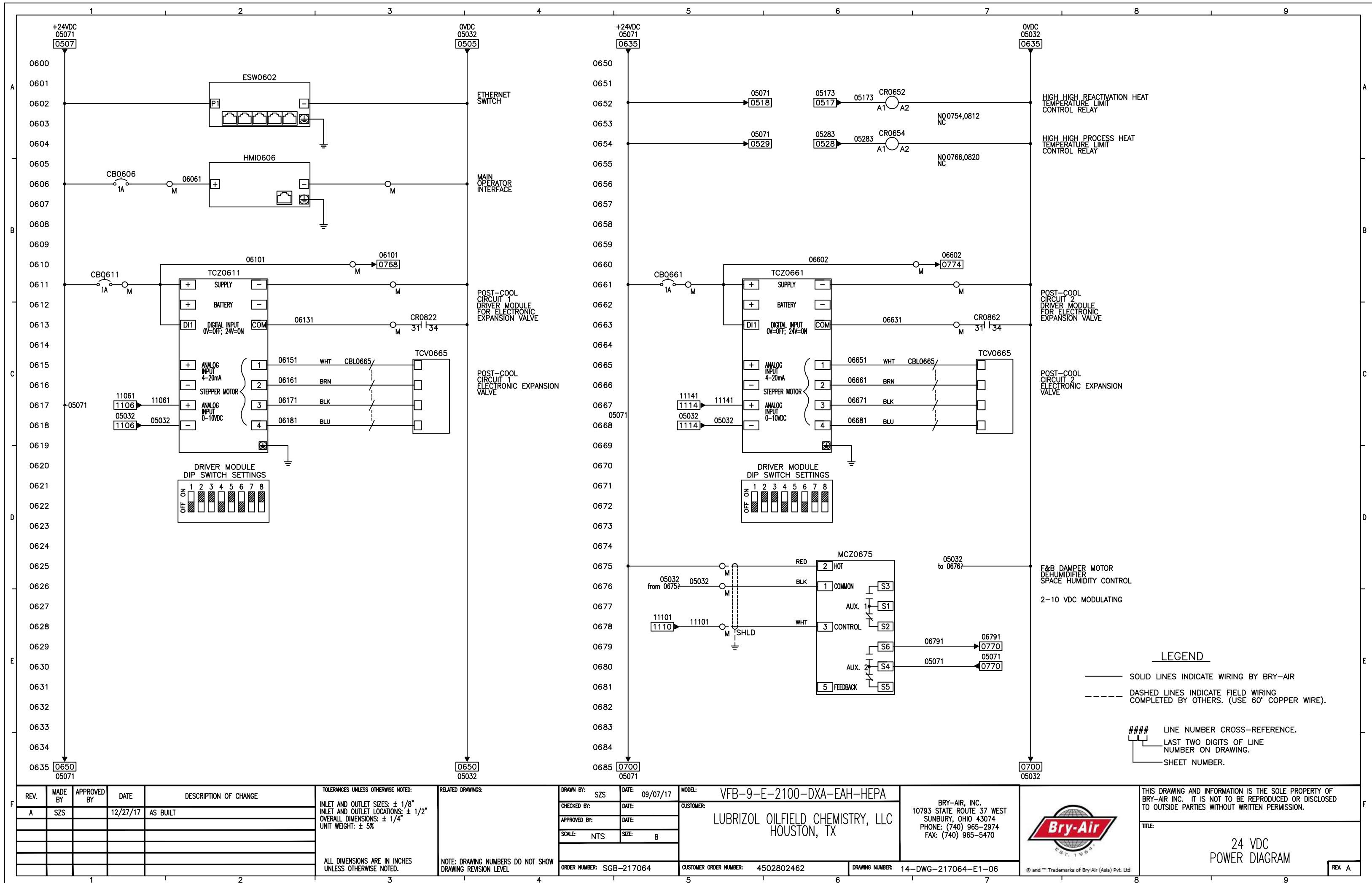
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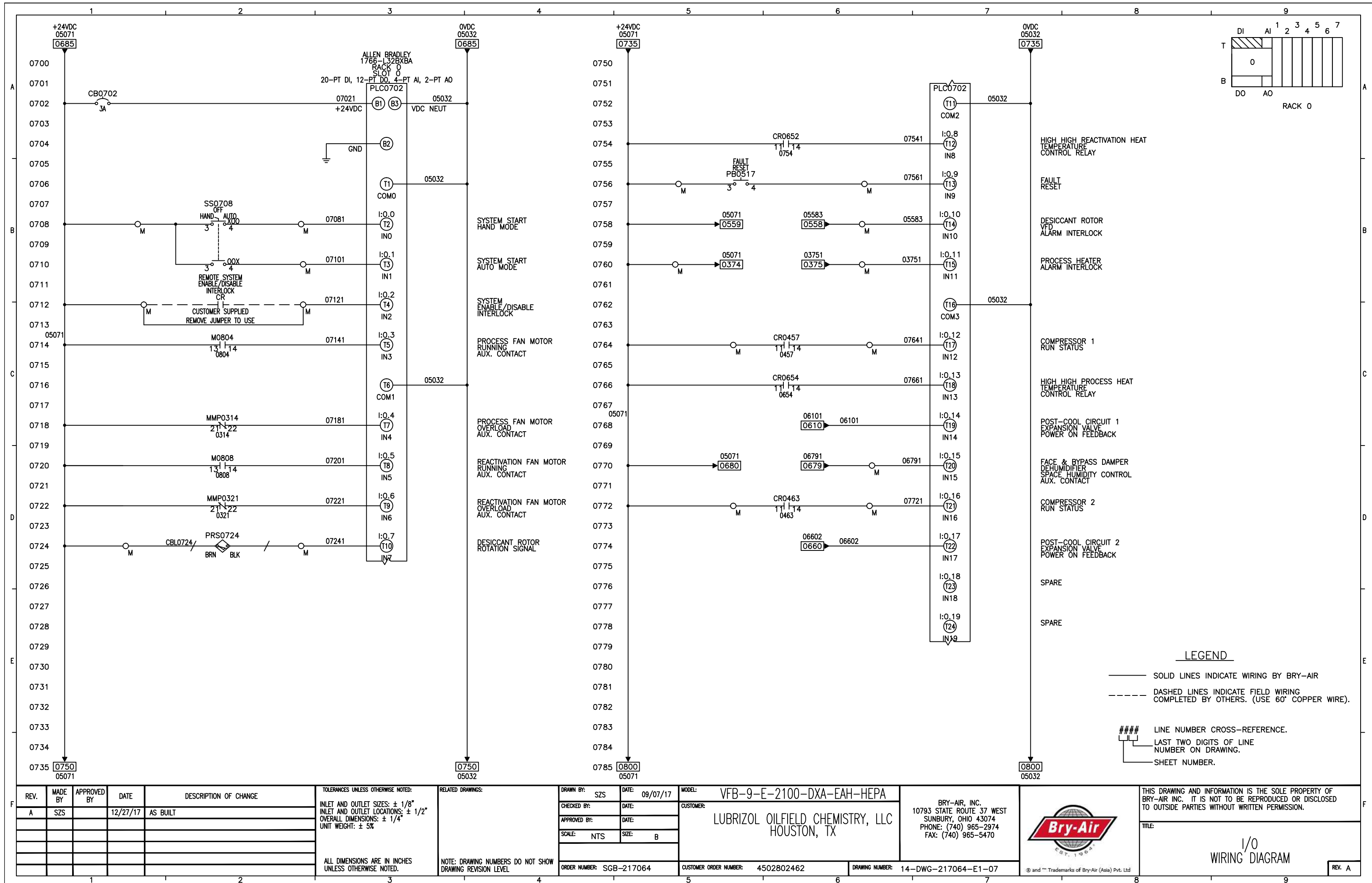
TITLE: 460 VAC POWER DIAGRAM POST-COOL

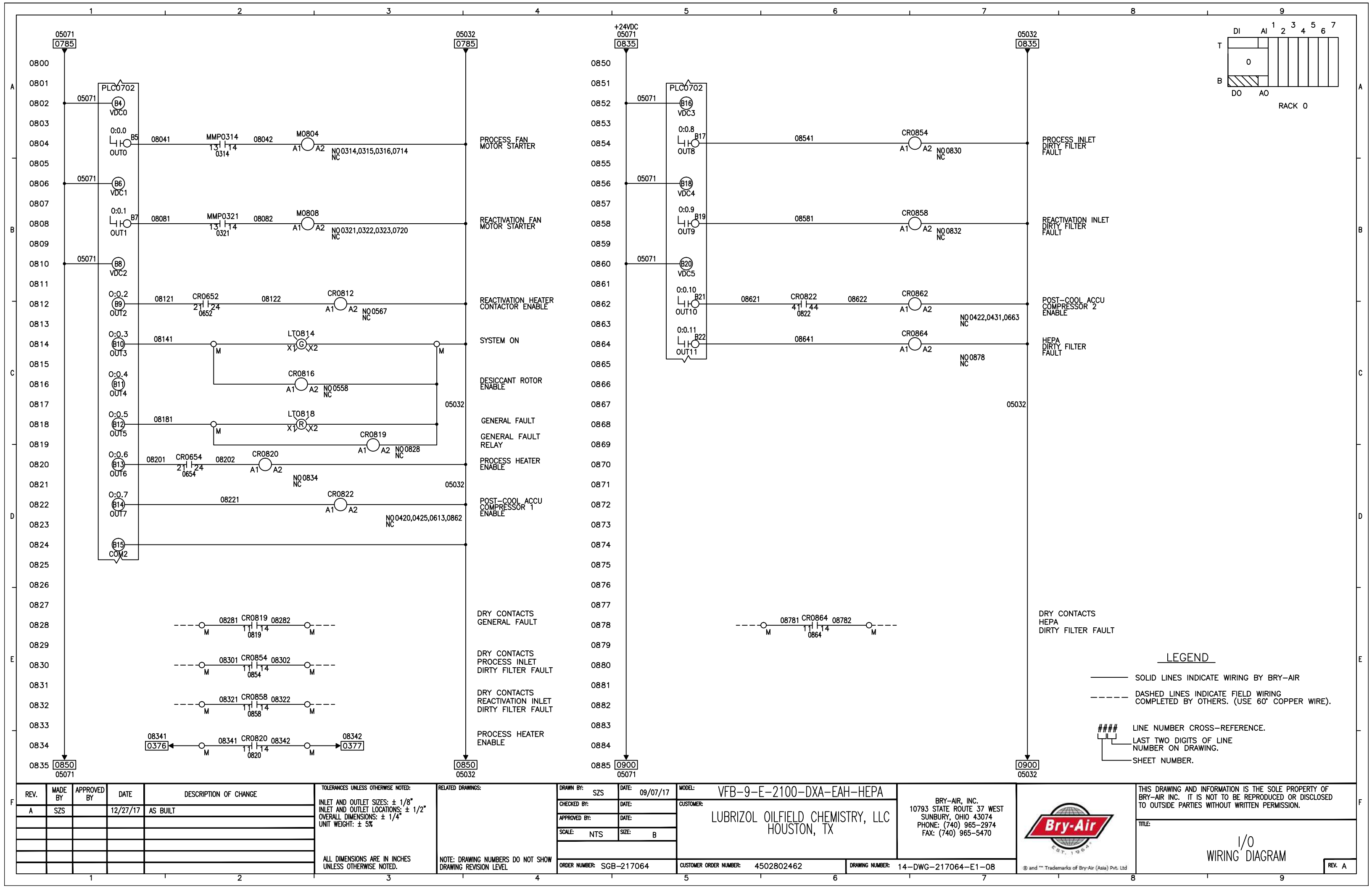
REV. A

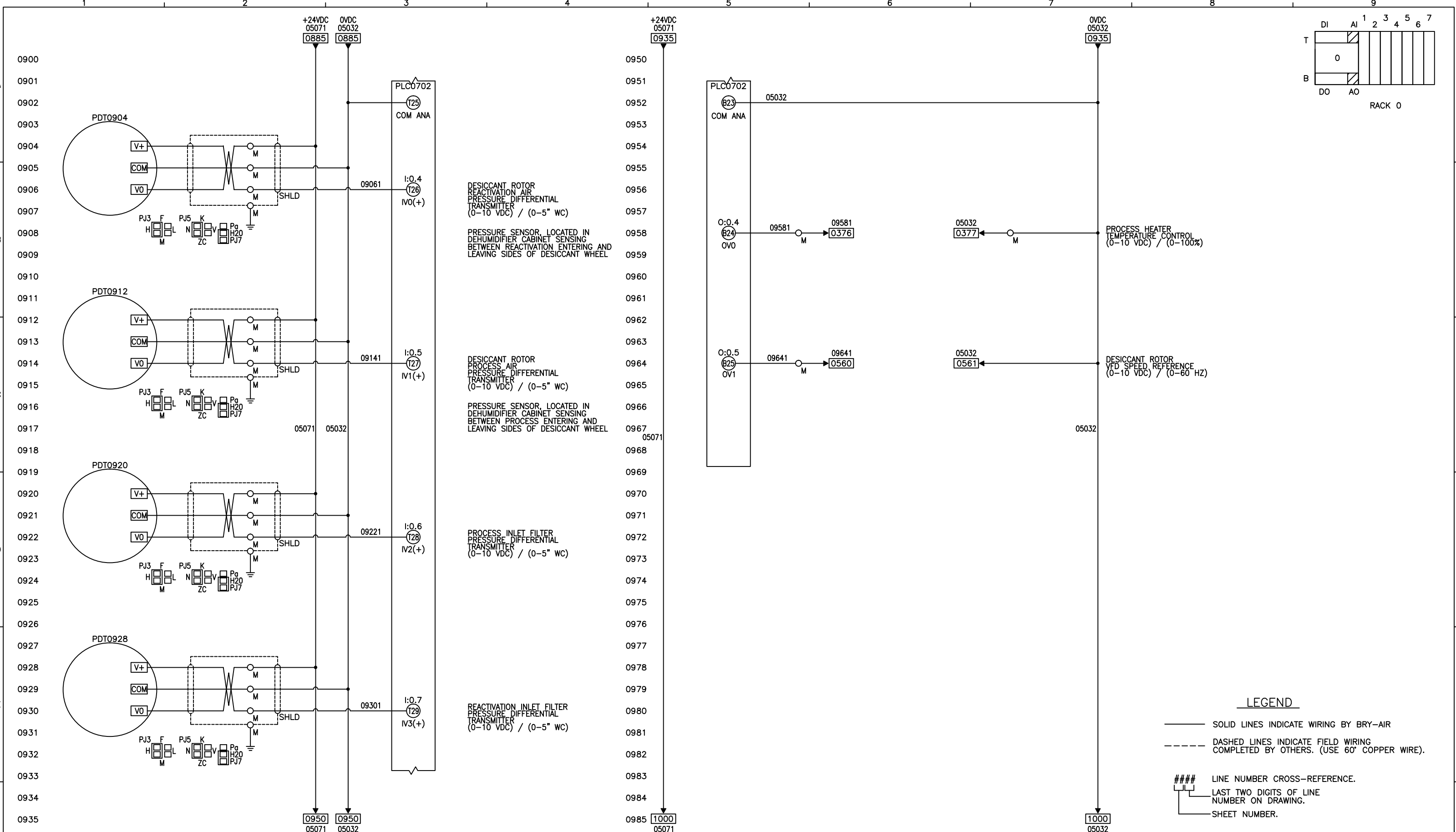


REV.	MADE BY	APPROVED BY	DATE	DESCRIPTION OF CHANGE	TOLERANCES UNLESS OTHERWISE NOTED:	RELATED DRAWINGS:	DRAWN BY:	DATE:	MODEL:	CUSTOMER:	BRY-AIR, INC.		THIS DRAWING AND INFORMATION IS THE SOLE PROPERTY OF BRY-AIR INC. IT IS NOT TO BE REPRODUCED OR DISCLOSED TO OUTSIDE PARTIES WITHOUT WRITTEN PERMISSION.	
A	SZS		12/27/17	AS BUILT	INLET AND OUTLET SIZES: ± 1/8" INLET AND OUTLET LOCATIONS: ± 1/2" OVERALL DIMENSIONS: ± 1/4" UNIT WEIGHT: ± 5%		SZS	09/07/17	VFB-9-E-2100-DXA-EAH-HEPA	LUBRIZOL OILFIELD CHEMISTRY, LLC HOUSTON, TX	10793 STATE ROUTE 37 WEST SUNBURY, OHIO 43074 PHONE: (740) 965-2974 FAX: (740) 965-5470		TITLE:	
					ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.	NOTE: DRAWING NUMBERS DO NOT SHOW DRAWING REVISION LEVEL							120 VAC POWER DIAGRAM	

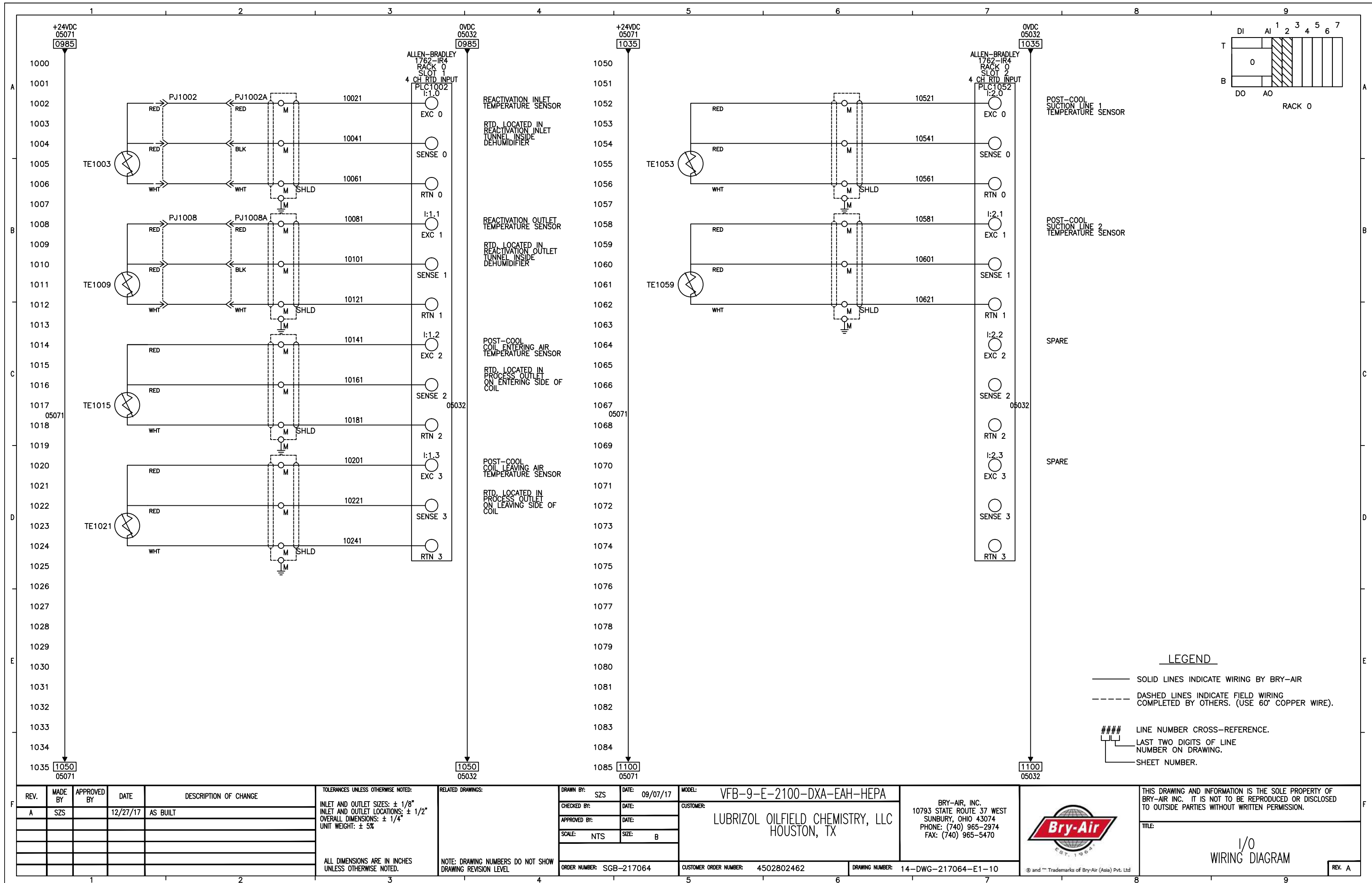


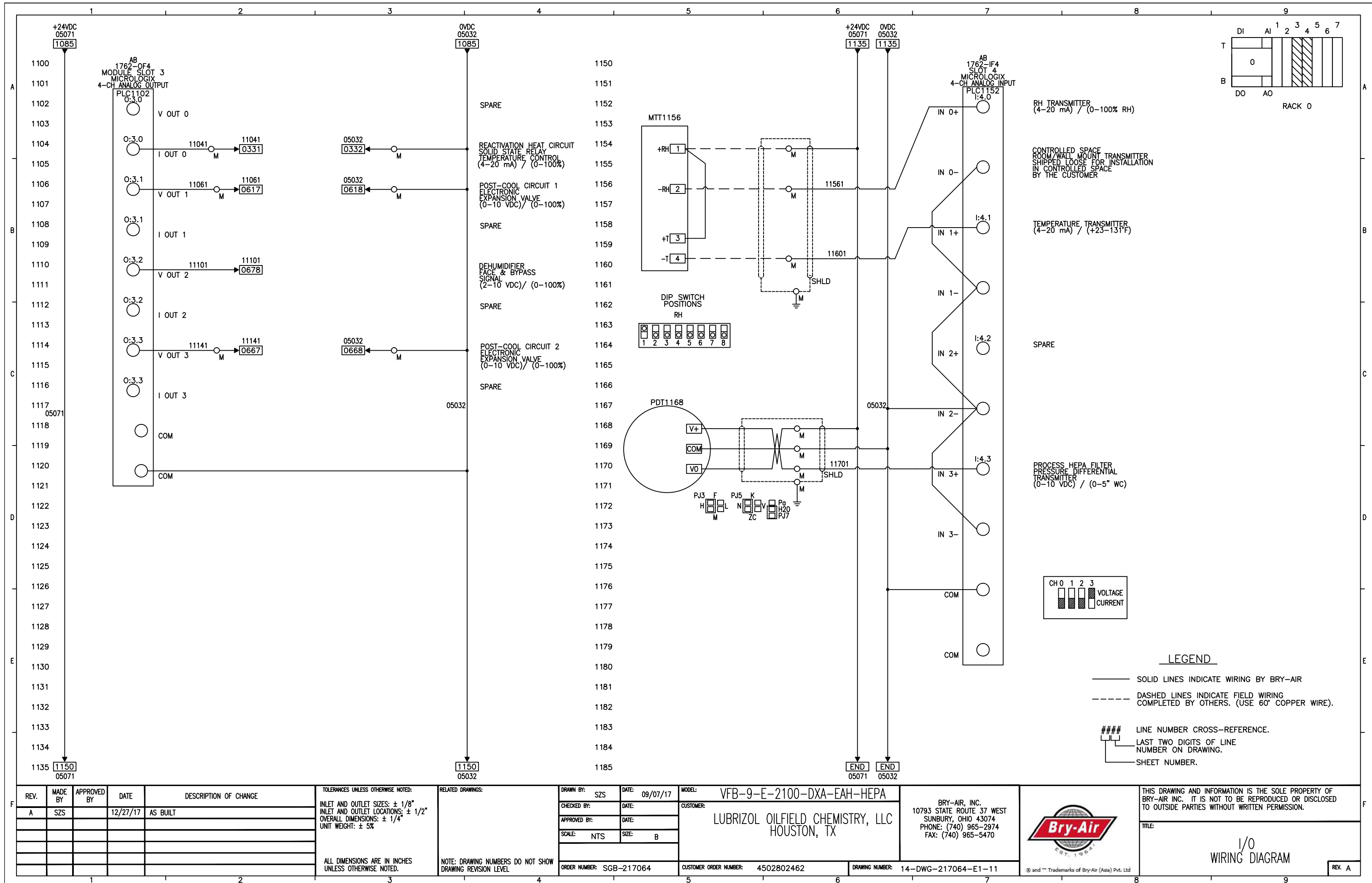






REV.	MADE BY	APPROVED BY	DATE	DESCRIPTION OF CHANGE	TOLERANCES UNLESS OTHERWISE NOTED:	RELATED DRAWINGS:	DRAWN BY:	DATE:	MODEL:	CUSTOMER:	BRY-AIR, INC.		THIS DRAWING AND INFORMATION IS THE SOLE PROPERTY OF BRY-AIR INC. IT IS NOT TO BE REPRODUCED OR DISCLOSED TO OUTSIDE PARTIES WITHOUT WRITTEN PERMISSION.	
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					ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.	NOTE: DRAWING NUMBERS DO NOT SHOW DRAWING REVISION LEVEL							I/O WIRING DIAGRAM	
							SCALE: NTS	SIZE: B						
							ORDER NUMBER: SGB-217064		CUSTOMER ORDER NUMBER: 4502802462	DRAWING NUMBER: 14-DWG-217064-E1-09	® and ™ Trademarks of Bry-Air (Asia) Pvt. Ltd		REV. A	





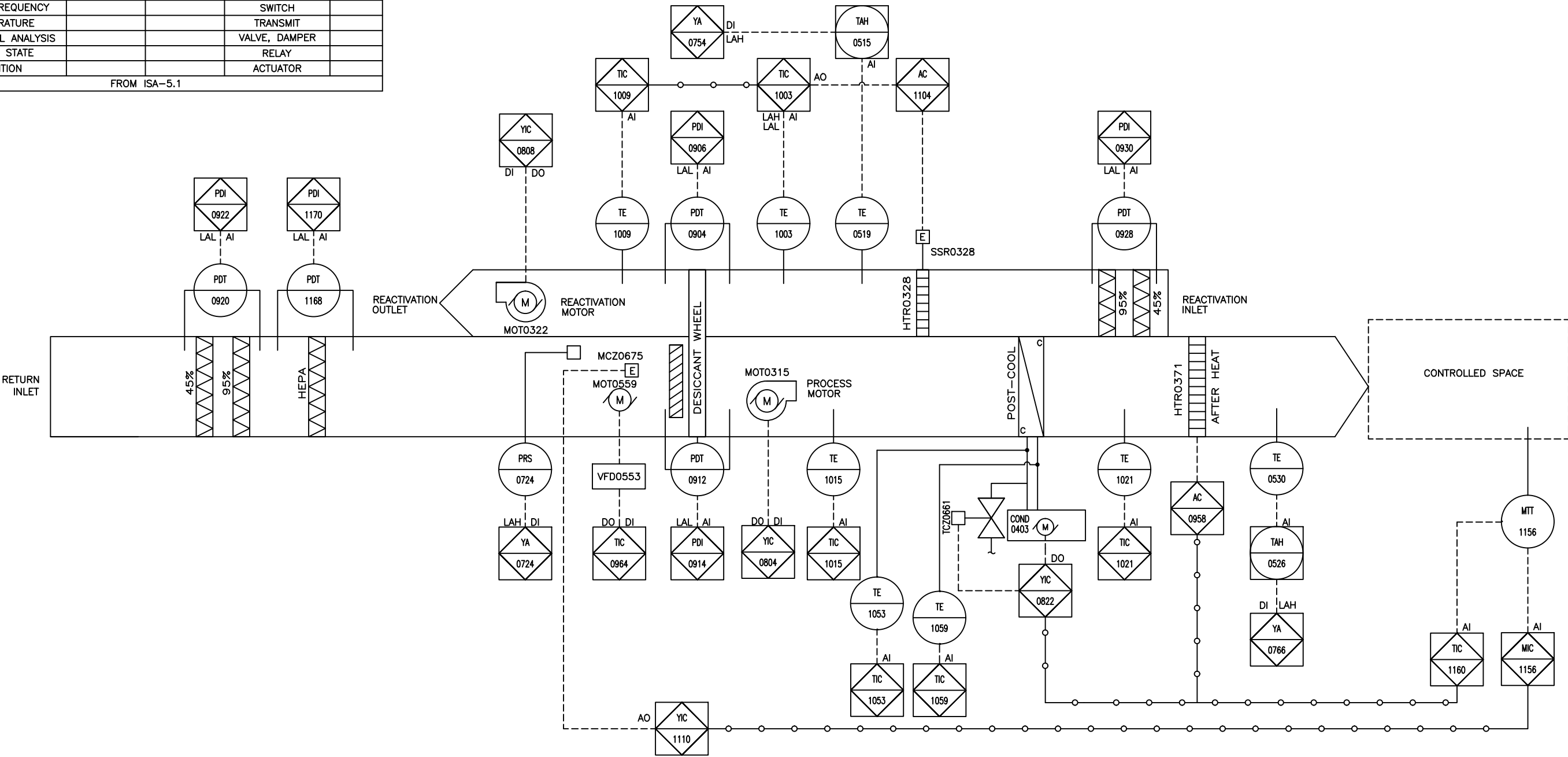
IDENTIFICATION LETTERS					
	FIRST LETTER		SUCCEEDING LETTERS		
	MEASURED OR INITIATING VARIABLE	MODIFIER	READOUT	OUTPUT FUNCTION	MODIFIER
A	ANALYSIS		ALARM		
B	BURNER, COMBUSTION				
C				CONTROL	
D		DIFFERENTIAL			
E	VOLTAGE			SENSOR ELEMENT	
F	FLOW RATE	RATIO			
H	HAND				HIGH
I	CURRENT		INDICATION		
L	LEVEL		LIGHT		LOW
M	MOISTURE				
P	PRESSURE, VACUUM				
S	SPEED, FREQUENCY			SWITCH	
T	TEMPERATURE			TRANSMIT	
V	MECHANICAL ANALYSIS			VALVE, DAMPER	
Y	EVENT, STATE			RELAY	
Z	POSITION			ACTUATOR	

FROM ISA-5.1

FUNCTION SYMBOLS	
DISCRETE INSTRUMENT	
SHARED CONTROL/DISPLAY	
PROGRAMMABLE LOGIC CONTROL	

P&ID SYMBOLS					
FILTER	REACTION HEATER, ELECTRIC	DAMPER	COOLING COIL	FAN	MOTORIZED
MOTOR	REACTION HEATER GAS, DIRECT	REACTION HEATER GAS, INDIRECT	VALVE	VFD CONTROLLED	

LEGEND	
	CONNECTION TO PROCESS
	ELECTRIC SIGNAL
	SOFTWARE OR DATA LINK
	CAPILLARY TUBING
	LAH - LEVEL ALARM HIGH LAL - LEVEL ALARM LOW
	AI - ANALOG INPUT
	AO - ANALOG OUTPUT
	DI - DISCRETE INPUT
	DO - DISCRETE OUTPUT



REV.	MADE BY	APPROVED BY	DATE	DESCRIPTION OF CHANGE
A	SZS		12/27/17	AS BUILT

TOLERANCES UNLESS OTHERWISE NOTED:
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RELATED DRAWINGS:

NOTE: DRAWING NUMBERS DO NOT SHOW DRAWING REVISION LEVEL

DRAWN BY:	SZS	DATE:	09/07/17
CHECKED BY:		DATE:	
APPROVED BY:		DATE:	
SCALE:	NTS	SIZE:	B
ORDER NUMBER:	SGB-217064	CUSTOMER ORDER NUMBER:	4502802462

MODEL: VFB-9-E-2100-DXA-EAH-HEPA

CUSTOMER: LUBRIZOL OILFIELD CHEMISTRY, LLC
HOUSTON, TX

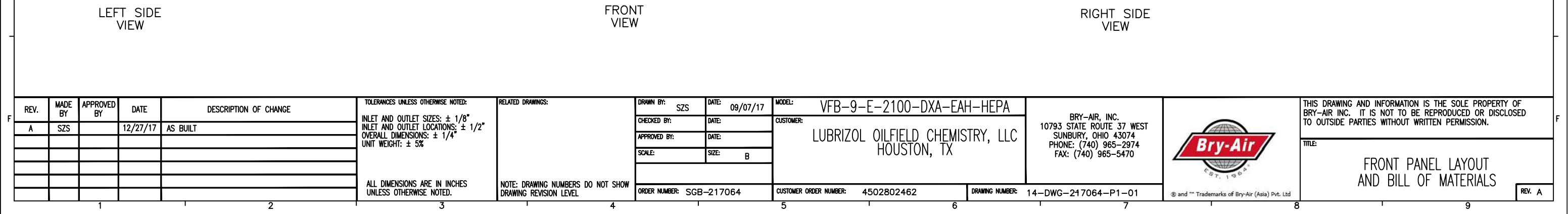
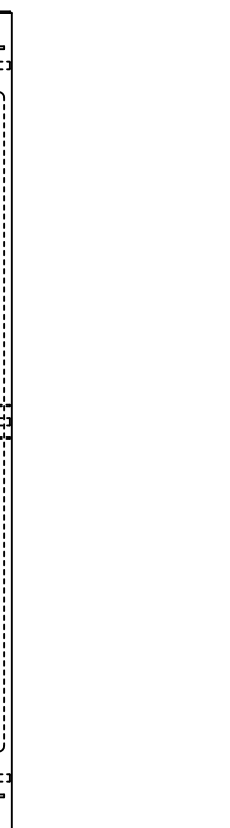
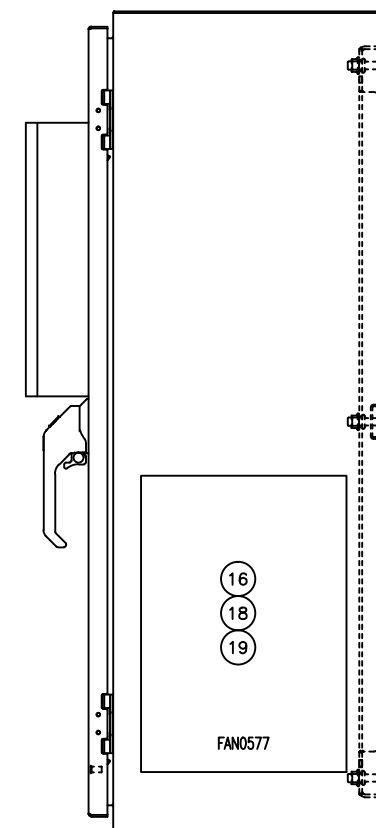
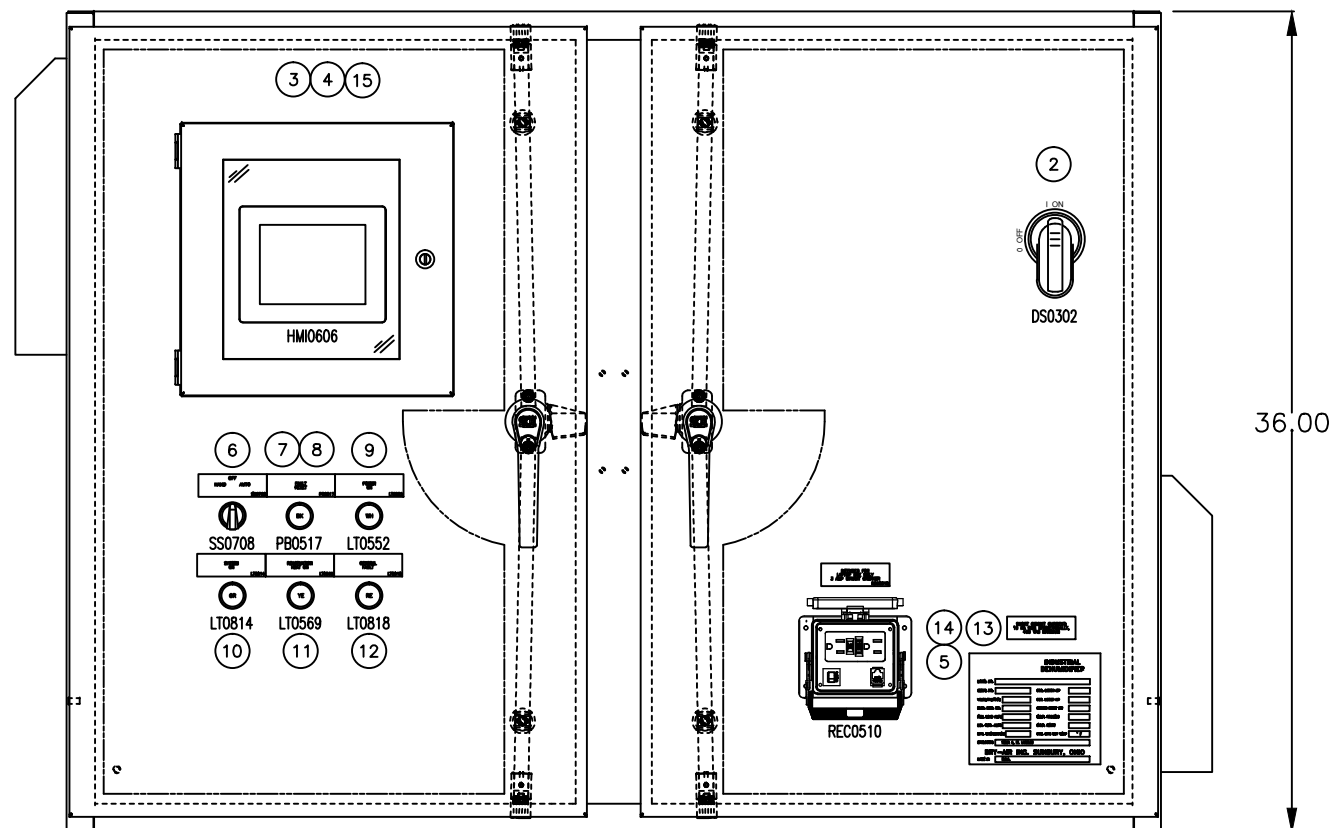
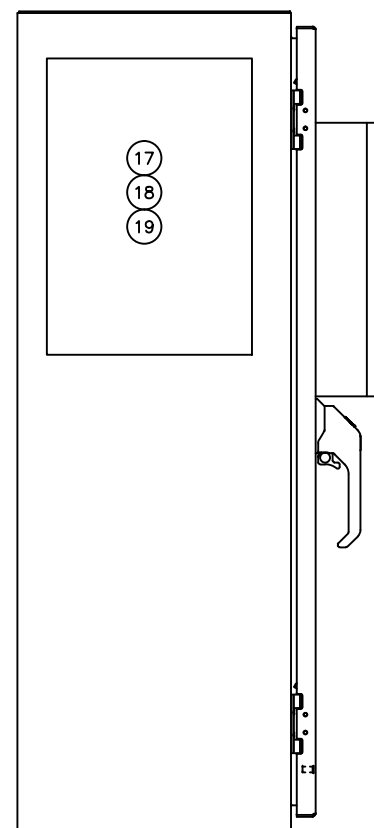
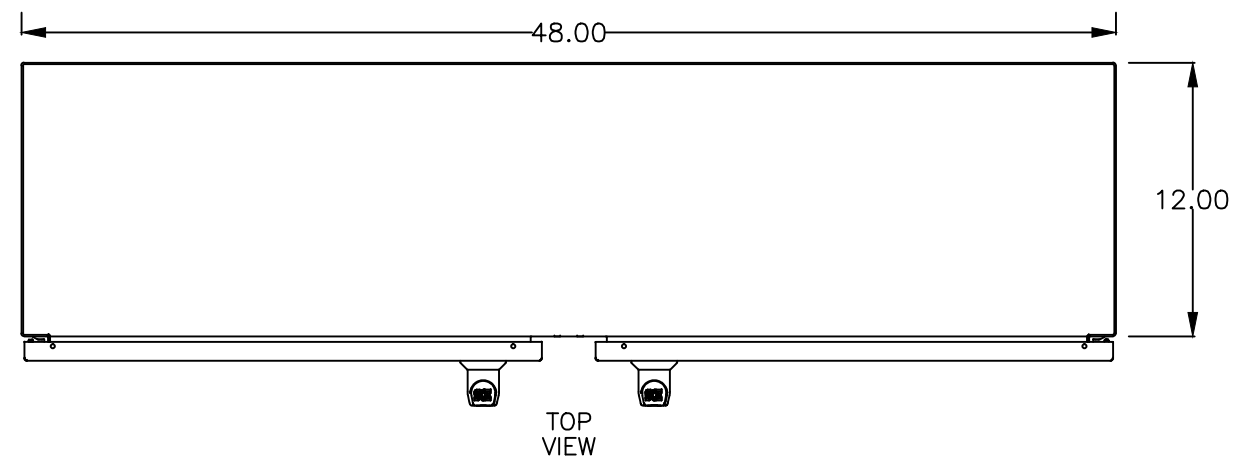
BRY-AIR, INC.
10793 STATE ROUTE 37 WEST
SUNBURY, OHIO 43074
PHONE: (740) 965-2974
FAX: (740) 965-5470

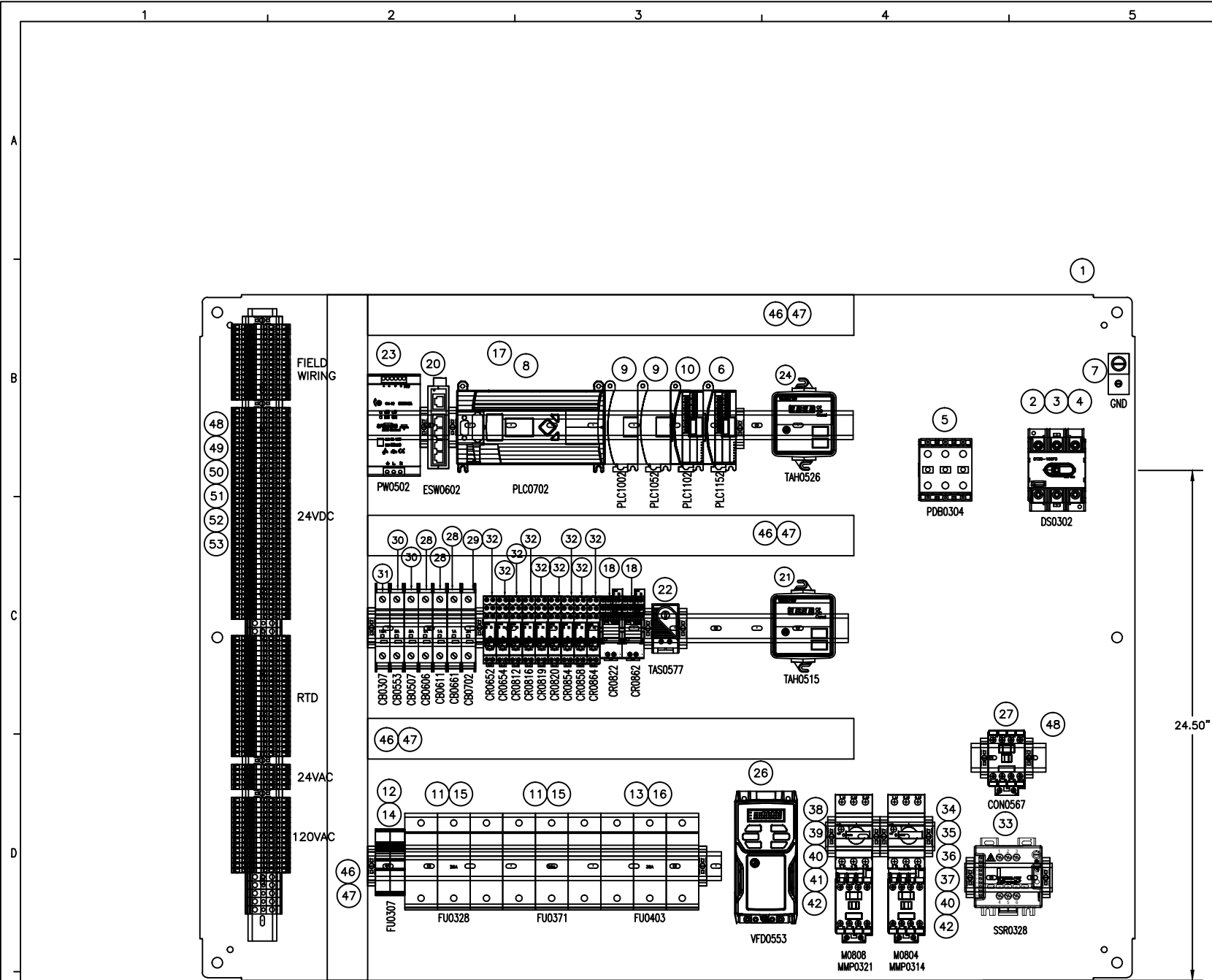


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TITLE: P&ID LAYOUT

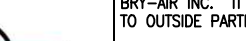
REV. A





SUBPANEL LAYOUT

BILL OF MATERIALS				
ITEM	QTY	ELC SYMB	PART #	DESCRIPTION
1	1	N/A	43268	CONTROL BOX SUBPANEL, FITS 36" x 48" ENCLOSURE
2	1	DIS0302	20398	DISCONNECT SWITCH, 100 AMP, 600 VAC, NON FUSED, 3 POLE, UL98
3	1	DIS0302	32006	DISCONNECT SWITCH SHAFT, 11.4"
4	2	DIS0302	31967	DISCONNECT SWITCH TERMINAL SHROUD, 3 POLE
5	1	PDB0304	37662	DISTRIBUTION BLOCK, 3 POLE, LINE: (1)2.0 - 14 AWG, LOAD: (6)#4-14 AWG W/COVER
6	1	PLC1152	37420	ANALOG INPUT CARD, 4 CHANNEL
7	1	GND	29010	ALUMINUM GROUNDING LUG #2 TO #14 AWG
8	1	PLC0702	37947	MICROLOGIX 1400, 24 VDC, DIGITAL 20 IN/12 OUT, ANALOG 0-10 VDC 4 IN/2 OUT
9	2	PLC1002, PLC1052	37422	RTD INPUT, 4 CHANNEL
10	1	PLC1102	37421	4 CHANNEL ANALOG OUTPUT CARD
11	2	FU0328, FU0371	37645	FUSE HOLDER, CLASS J, 30 AMP, 3 POLE, 600 VAC, DIN RAIL MOUNT, W/INDICATOR
12	1	FU0307	37995	FUSE HOLDER, CLASS CC, 30 AMP, 2 POLE, DIN RAIL MOUNT, W/INDICATOR
13	1	FU0403	37646	FUSE HOLDER, CLASS J, 60 AMP, 3 POLE, 600 VAC, DIN RAIL MOUNT, W/INDICATOR
14	2	FU0307	37996	FUSE, 4 AMP, 600 VAC, CLASS CC, TIME DELAY
15	6	FU0328, FU0371	37591	FUSE, 25 AMP, CLASS J, FAST ACTING, 600 VAC
16	3	FU0403	37571	FUSE, 35 AMP, CLASS J, TIME DELAY, 600 VAC, INDICATING
17	1	CB0212	37928	ETHERNET PATCH CABLE, 1 FOOT, CAT 5E, BLACK
18	2	CR0822, CR0862	40612	CONTROL RELAY & BASE, 4PDT, 24 VDC, 7 AMP CONTACTS, SCREW TERMINALS
20	1	ESW0602	37976	ETHERNET SWITCH, 5 PORTS, 10/100BASE T, RJ45
21	1	TAH0515	38076	HIGH TEMPERATURE LIMIT, 3 WIRE RTD INPUT, 120 VAC, 0-350 °F
22	1	TAS0577	38965	ENCLOSURE THERMOSTAT, 30-140°F, NO CONTACT
23	1	PW0502	37904	POWER SUPPLY, 5 AMP, 120 VAC/24 VDC, 120 WATT
24	1	TAH0526	38249	HIGH TEMPERATURE LIMIT, 3 WIRE RTD INPUT, 120 VAC, 0-150 °F
-	-	-	-	-
26	1	VFD0553	42360	VFD, 0.33 HP 120 VAC INPUT, 230 VAC OUTPUT
27	1	CON0567	37967	POWER CONTACTOR, 65 AMP AC-1, 480 VAC 3 POLE, 120 VAC COIL, 1 N.O. CONTACT
28	3	CB0606, CB0611, CB0661	36808	CIRCUIT BREAKER, 1 AMP, 1 POLE, 277/480 VAC, MINIATURE, 60Hz, DIN RAIL MOUNT
29	1	CB0702	40448	CIRCUIT BREAKER, 3 AMP, 1 POLE, 277/480 VAC, MINIATURE, 60Hz, DIN RAIL MOUNT
30	2	CB0507, CB0553	40449	CIRCUIT BREAKER, 5 AMP, 1 POLE, 277/480 VAC, MINIATURE, 60Hz, DIN RAIL MOUNT
31	1	CB0307	34699	CIRCUIT BREAKER, 15 AMP, 1 POLE, 277/480 VAC, MINIATURE, 60Hz, DIN RAIL MOUNT
32	9	CR0652, CR0654, CR0812, CR0816, CR0819, CR0820, CR0854, CR0858, CR0864	38089	CONTROL RELAY & BASE, DPDT, 24 VDC, 8 AMP CONTACT
33	1	SSR0328	43307	SOLID STATE RELAY, 25A, 277-600 VAC, 3 POLE , 4-20 mA
34	1	M0804	37931	MOTOR STARTER, 20 HP, 460 VAC 3POLE, 24 VDC COIL, 1 N.O. CONTACT
35	1	MMP0314	37935	MANUAL MOTOR PROTECTOR, 10 HP MAX @ 460 VAC, 10-16 AMP
36	1	MMP0314	37938	MANUAL MOTOR PROTECTOR CONNECTING MODULE FOR CA7-30 TO 37 CONTACTORS
37	1	MMP0314	37940	MOUNTING MODULE FOR KT7-25H MODULES, SHORT, 45MM
38	1	M0808	37919	MOTOR STARTER, 5 HP, 460 VAC 3POLE, 24 VDC COIL, 1 N.O. CONTACT
39	1	MMP0321	37614	MANUAL MOTOR PROTECTOR, 2 HP MAX @ 460 VAC, 2.5-4.0 AMP
40	2	MMP0321, MMP0314	37939	MANUAL MOTOR PROTECTOR AUX CONTACT, FRONT MOUNT, 1 N.O.-1 N.C.
41	1	MMP0321	37611	MANUAL MOTOR PROTECTOR CONNECTING MODULE FOR CA7-9 TO 23 CONTACTORS
42	2	MMP0321, MMP0314	37612	MANUAL MOTOR PROTECTOR TERMINAL ADAPTER FOR KT7-25 MODULES
43	-	-	-	FUSE, 0.2A, TYPE CC, TIME DELAY
44	-	-	-	-
45	-	-	-	-
46	A/R	N/A	37176	RACEWAY, 2" W x 2" H, WHITE PLASTIC
47	A/R	N/A	37177	RACEWAY COVER, 2", WHITE PLASTIC
48	A/R	N/A	37127	TERMINAL BLOCK END BRACKET, E/NS 35 N
49	A/R	N/A	37677	TERMINAL BLOCK, #28-10AWG, 600 VAC, 30 AMP, SPRING CLAMP, GRAY, ST 4-TWIN
50	A/R	N/A	37679	TERMINAL BLOCK END COVER, GRAY, D-ST 4-TWIN
51	A/R	N/A	37126	TERMINAL BLOCK MARKING TABS, ZB 6:UNBEDRUCKT
52	A/R	N/A	37678	TERMINAL BLOCK, #16-8AWG, SCREW CLAMP, YELLOW/GREEN
53	A/R	N/A	33024	DIN RAIL, 35mm, ALUMINUM

F	REV.	MADE BY	APPROVED BY	DATE	DESCRIPTION OF CHANGE	TOLERANCES UNLESS OTHERWISE NOTED:	RELATED DRAWINGS:	DRAWN BY:	DATE:	MODEL:	CUSTOMER:	BRY-AIR, INC.	 EST. 1964 ® and ™ Trademarks of Bry-Air (Asia) Pvt. Ltd.	THIS DRAWING AND INFORMATION IS THE SOLE PROPERTY OF BRY-AIR INC. IT IS NOT TO BE REPRODUCED OR DISCLOSED TO OUTSIDE PARTIES WITHOUT WRITTEN PERMISSION. TITLE: SUBPANEL LAYOUT AND BILL OF MATERIALS REV. A
	A	SZS		12/27/17	AS BUILT	INLET AND OUTLET SIZES: ± 1/8" INLET AND OUTLET LOCATIONS: ± 1/2" OVERALL DIMENSIONS: ± 1/4" UNIT WEIGHT: ± 5%		SZS	09/07/17	VFB-9-E-2100-DXA-EAH-HEPA	LUBRIZOL OILFIELD CHEMISTRY, LLC HOUSTON, TX	10793 STATE ROUTE 37 WEST SUNBURY, OHIO 43074 PHONE: (740) 965-2974 FAX: (740) 965-5470		
								CHECKED BY:	DATE:					
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								SCALE:	SIZE:	B				
						ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.	NOTE: DRAWING NUMBERS DO NOT SHOW DRAWING REVISION LEVEL	ORDER NUMBER:	SGB-217064	CUSTOMER ORDER NUMBER:	4502802462	DRAWING NUMBER:	14-DWG-217064-P1-02	

FIELD WIRING CONNECTIONS					
WIRE NUMBER	FROM	TO	WIRE TYPE	WIRE SIZE	COLOR
05071	MAIN CONTROL ENCLOSURE	REMOTE SYSTEM ENABLE/DISABLE INTERLOCK	THHN	14 AWG	YELLOW
07121					
08281					
08282					
08301					
08302	MAIN CONTROL ENCLOSURE	CUSTOMER DRY CONTACTS	THHN	14 AWG	YELLOW
08321					
08322					
08781					
08782					
05071	MAIN CONTROL ENCLOSURE	ROOM/WALL MOUNT TEMPERATURE AND HUMIDITY SENSOR	SHIELDED CABLE	18 AWG	CUSTOMER DEFINED
11561					
11601					

120VAC

03072
03073
03073
03073
03092
03092
03092
03092
04251
04311
05171
05172
05281
05282
05671
05771

(15)

RTD

05191
05201
05221
05301
05311
05331
10021
10041
10061
10081
10101
10121
10141
10161
10181
10201
10221
10241
10521
10541
10561
10581
10601
10621

(24)

24VAC

57A
58A
59A
08341
08342

(05)

24VDC

03751
05032
05032
05032
05032
05032
05032
05071
05071
05071
05071
05071
05071
05071
05583
06061
06101
06131
06602
06631
06791
07081
07101
07241
07561
07641
07721
08141
08181
08341
08342
09061
09141
09221
09301
09581
09641
11041
11061
11101
11141
11701

(42)

FIELD WIRING

05071
05071
07121
08281
08282
08301
08302
08321
08322
08781
08782
11561
11601

(13)

BILL OF MATERIALS: ELECTRICAL COMPONENTS NOT MOUNTED IN CONTROL ENCLOSURE			
QTY	ELC SYMBOL	PART #	DESCRIPTION
1	XF0307	40830	TRANSFORMER, 1.5 KVA, 480 x 240 VAC PRIMARY – 230 x 120 VAC SECONDARY
1	MOT0315	217064–A020	PROCESS MOTOR, 7.5 HP, 3500 RPM, TEFC, 184T FRAME, 460 VAC, 3Ø, 60Hz
1	MOT0322	20343	REACTIVATION FAN MOTOR, 1.5 HP, 3450 RPM, TEFC, 56C FRAME, 460 VAC, 3Ø, 60Hz
1	MOT0559	37255	MOTOR, GEAR, 7.5 RPM, 120 VAC 1Ø INPUT, 240 VAC 3Ø OUTPUT, 60Hz, 1/20 HP
1	PRS0724	37107	PROXIMITY SENSOR, 18mm, 2 WIRE, 8mm SENSING DISTANCE, M12 CONNECTION
1	CBL0724	37108	PROXIMITY SENSOR CABLE, 23', 4 WIRE, M12, RIGHT ANGLE
5	PDT0904, PDT0912 PDT0920, PDT0928 PDT1168	37972	DIFFERENTIAL PRESSURE TRANSMITTER, 0–1,2,5 inWC SELECTABLE, 0–10 VDC OUTPUT, 10–35 VDC SUPPLY, NEMA 4X, 1/2" NPS
3	TE0519, TE1003, TE1009	41098	RTD, 100 OHM PLATINUM, 3 WIRE, 8" LONG, 1/4"OD
2	TE1015, TE1021	37530	RTD, 100 OHM PLATINUM, 3 WIRE, 12" LONG, 1/4"OD
1	TE0530	37308	RTD, 100 OHM PLATINUM, 3 WIRE, 12" LONG, 1/4"OD, WEATHERHEAD
6	TE0519, TE0530 TE1003, TE1009 TE1015, TE1021	32218	COMPRESSION COUPLING FOR 1/4" O. D. X 1/4" NPT TEMPERATURE SENSORS
6	TE0519, TE0530 TE1003, TE1009 TE1015, TE1021	32219	MOUNTING FLANGE FOR 1/4" TEMPERATURE SENSORS
4	PJ0519, PJ0530 PJ1003, PJ1009	40215	STANDARD PLUG, RTD SENSOR
4	PJ0519A, PJ0530A PJ1003A, PJ1009A	40216	STANDARD JACK, RTD SENSOR
1	CBL0665	37108	SENSOR CABLE, 23' LONG, 4 WIRE, RIGHT ANGLE M12 CONNECTOR
2	TCZ0611, TCZ0661	38085	TERMINAL KIT FOR UNIVERSAL DRIVER MODULE
2	TCZ0611, TCZ0661	38084	POST–COOL COIL ELECTRONIC EXPANSION VALVE DRIVER MODULE
2	TCZ0611, TCZ0661	38805	POST–COOL COIL ELECTRONIC EXPANSION VALVE
1	MCZ0675	41645	DAMPER ACTUATOR, 24 VAC, 2–10 VDC
2	TE1053, TE1059	37093	RTD RING TYPE, 100 OHM PLATINUM, 3 WIRE, 24" LEADS, 1/4"DIA #12, 1/4"–5/16" RING SIZE

BILL OF MATERIALS: SHIPPED LOOSE			
QTY	TAG	PART #	DESCRIPTION
1	MTT1156	43140	ROOM/WALL MOUNT TEMPERATURE AND HUMIDITY SENSOR, 4–20 mA OUTPUT, 0–100% RH, +23 TO 131°F

BILL OF MATERIALS: ELECTRICAL HEATER			
QTY	ELC SYMBOL	PART #	DESCRIPTION
8	HTR0329	20826	HEATER, BLOCK, 1.9 KW, FINNED, 2 ELEMENT/BLOCK
1	HTR0329	20827	HEATER, BLOCK, 2.2 KW, FINNED, 2 ELEMENT/BLOCK
1	HTR0371	–	HEATER, PROCESS, 14.5 KW TOTAL @ 460/3/60

BILL OF MATERIALS: POST–COOL CONDENSING UNIT			
QTY	TAG	PART #	DESCRIPTION
1	CONDO403	41374	CONDENSING UNIT, 12.5 TONS, 480 VAC, 3Ø, 60Hz, R410A REFRIGERANT
1	LOAM1	N/A	LOW AMBIENT MODULE, SUPPLIED AS PART OF TRANE CONDENSER UNIT
4	SOL0425, SOL0427, SOL0431, SOL0433	38191	SOLENOID VALVE COIL, 120VAC
2	XDCR–1, XDCR–2	N/A	OUTDOOR PRESSURE TRANSDUCER, SUPPLIED AS PART OF TRANE CONDENSER UNIT
1	ODM1	N/A	CONDENSER FAN MOTOR, SUPPLIED AS PART OF TRANE CONDENSER UNIT
1	CF1	N/A	CONDENSER FAN MOTOR CAPACITOR, SUPPLIED AS PART OF TRANE CONDENSER UNIT
2	LPC1, LPC2	N/A	LOW PRESSURE CUT OUT, SUPPLIED AS PART OF TRANE CONDENSER UNIT
2	HPC1, HPC2	N/A	HIGH PRESSURE CUT OUT, SUPPLIED AS PART OF TRANE CONDENSER UNIT
2	CC1, CC2	N/A	CONDENSER CONTACTOR, SUPPLIED AS PART OF TRANE CONDENSER UNIT
2	CR0457, CR0463	40857	CONTROL RELAY & BASE, DPDT, 24 VAC, 8 AMP CONTACTS, SCREW TERMINALS

REV.	MADE BY	APPROVED BY	DATE	DESCRIPTION OF CHANGE	TOLERANCES UNLESS OTHERWISE NOTED:	RELATED DRAWINGS:	DRAWN BY:	DATE:	MODEL:	BRY-AIR, INC. 10793 STATE ROUTE 37 WEST SUNBURY, OHIO 43074 PHONE: (740) 965-2974 FAX: (740) 965-5470			THIS DRAWING AND INFORMATION IS THE SOLE PROPERTY OF BRY-AIR INC. IT IS NOT TO BE REPRODUCED OR DISCLOSED TO OUTSIDE PARTIES WITHOUT WRITTEN PERMISSION.
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							APPROVED BY:	DATE:					
							SCALE:	SIZE: B					
					ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.	NOTE: DRAWING NUMBERS DO NOT SHOW DRAWING REVISION LEVEL	ORDER NUMBER: SGB-217064	CUSTOMER ORDER NUMBER: 4502802462	DRAWING NUMBER: 14-DWG-217064-P1-03	® and ™ Trademarks of Bry-Air (Asia) Pvt. Ltd		REV. A	