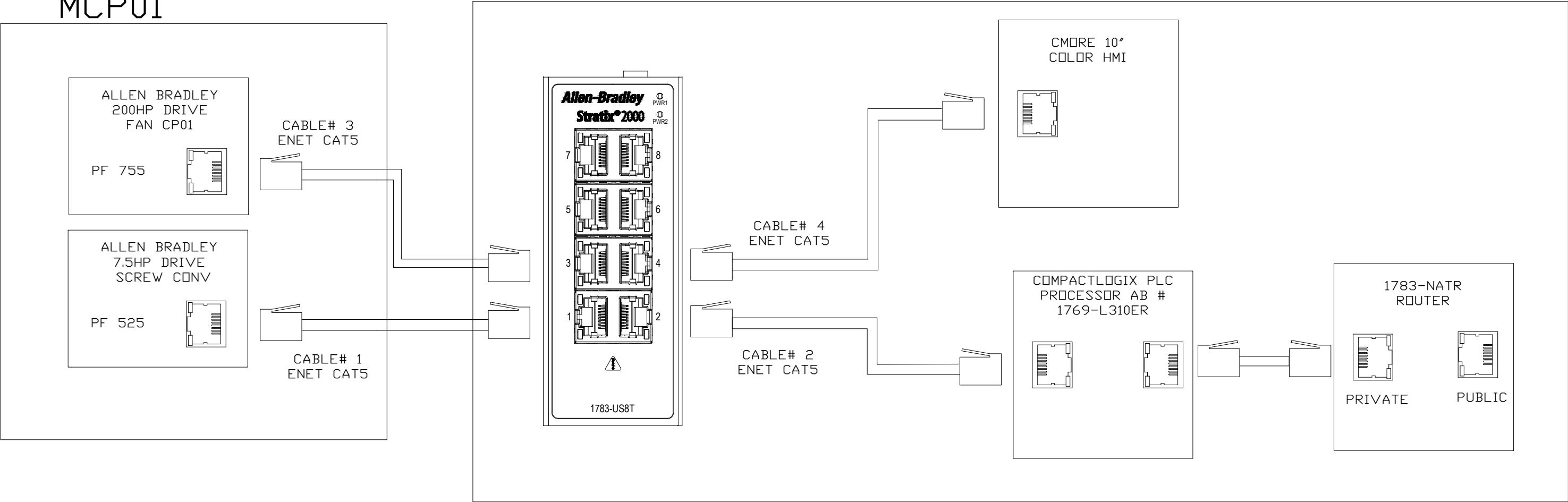


MCP01

PLC01



REV.	BY	DATE	REVISION DESCRIPTION

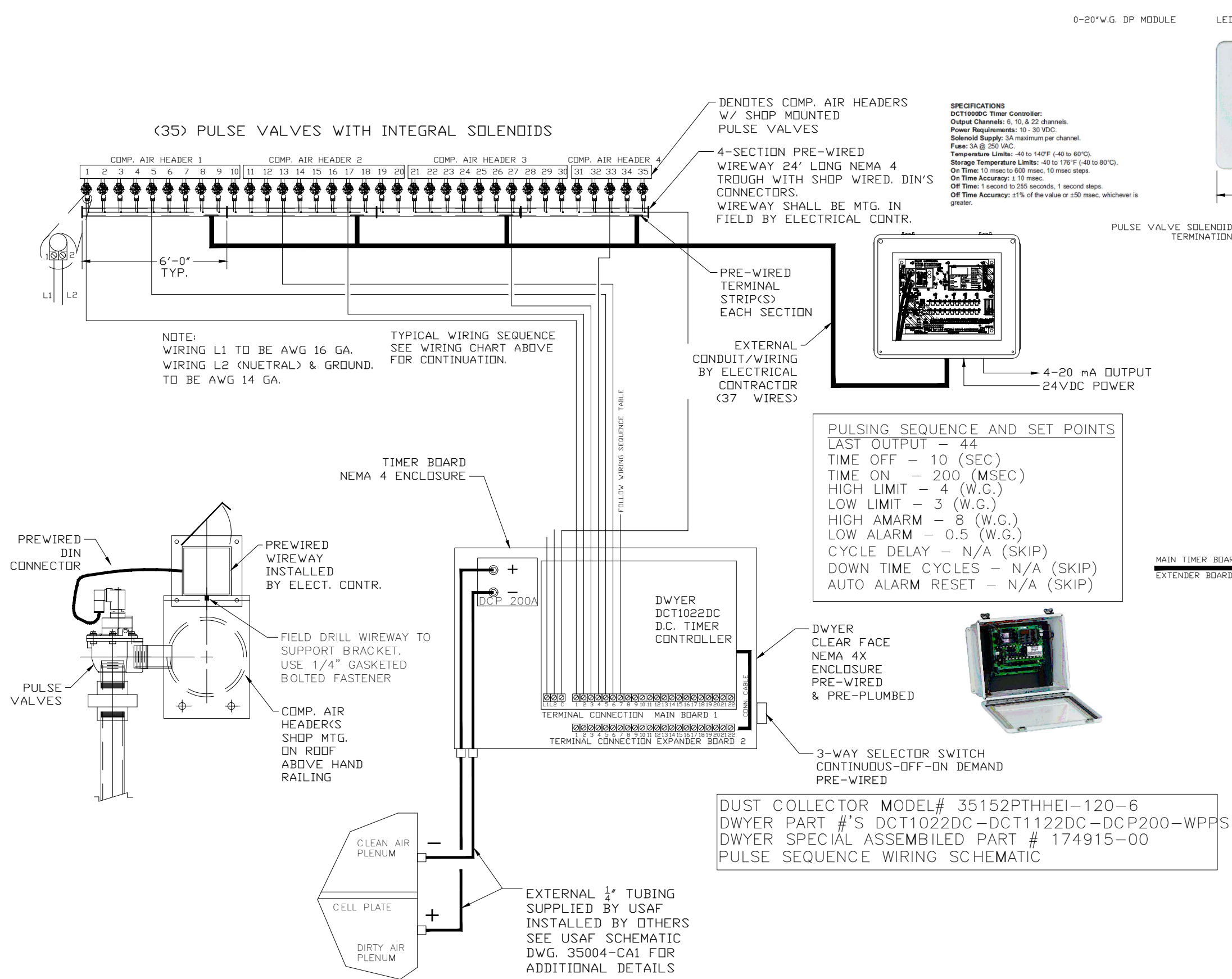
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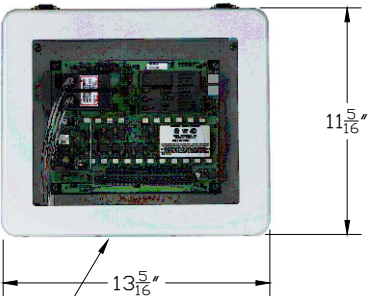
3106 Orval Orlan Drive, Jonesboro, AR 72404
Phone: (870) 931-7204 Fax: (870) 931-7206
www.controltekeng.com

SCALE:	CUSTOMER:			
NONE	U.S.AIR FILTRATION for JAMES HARDIE-PLANT CITY, FL			
DWN. BY:	TITLE:			
JCL	AIR FILTRATION SYSTEM CONTROL PANEL			
APP. BY:	NETWORK LAYOUT			
DATE:	DRAWING FILE #:	PANEL #:	REV #:	CUSTOMER PROJECT #:
05/17/22	21265-E-400		0	



0-20"W.G. DP MODULE

CONTROLLER
LED
W/ DISPLAY



PULSE VALVE SOLENOID
TERMINATION

WIRING SEQUENCE

Wireway Term. Strip Pulse Valve/Solenoid #'s	Timerboard Panel Termination #
1	1
2	21
3	13
4	33
5	24
6	5
7	17
8	30
9	9
10	27
11	34
12	14
13	6
14	25
15	31
16	18
17	2
18	22
19	28
20	10
21	32
22	15
23	7
24	26
25	35
26	19
27	3
28	23
29	29
30	11
31	20
32	16
33	4
34	12
35	8
36	OPEN
37	OPEN
38	OPEN
39	OPEN
40	OPEN
41	OPEN
42	OPEN
43	OPEN
44	OPEN

MAIN TIMER BOARD
EXTENDER BOARD

REV.	BY	DATE	REVISION DESCRIPTION

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SCALE:
NONE
DWN. BY:
JCL
APP. BY:

CUSTOMER:
U.S.AIR FILTRATION for JAMES HARDIE-PLANT CITY, FL

TITLE:
AIR FILTRATION SYSTEM CONTROL PANEL
TIMER BOARD AND VALVE LAYOUT

DATE:
05/17/22

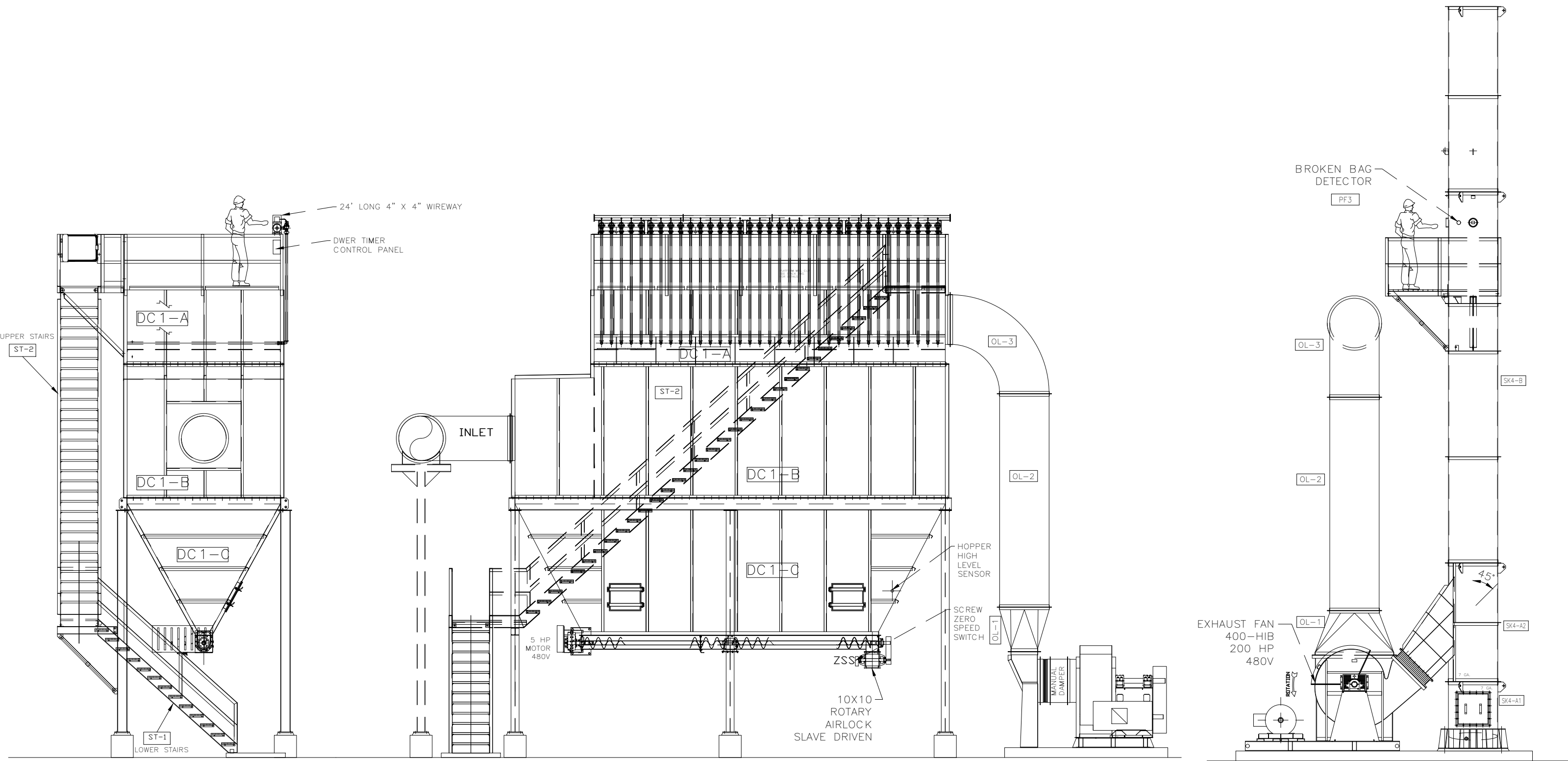
DRAWING FILE #:
21265-E-401

PANEL #:

REV #:

0

CUSTOMER PROJECT #:



END VIEW

SIDE ELEVATION VIEW

FAN/STACK ELEV VIEW

REV.	BY	DATE	REVISION DESCRIPTION
1	MAJ	10/10/22	ADD END ELEVATION VIEW WITH WIREWAY AND DWYER TIMER CONTROL PANEL

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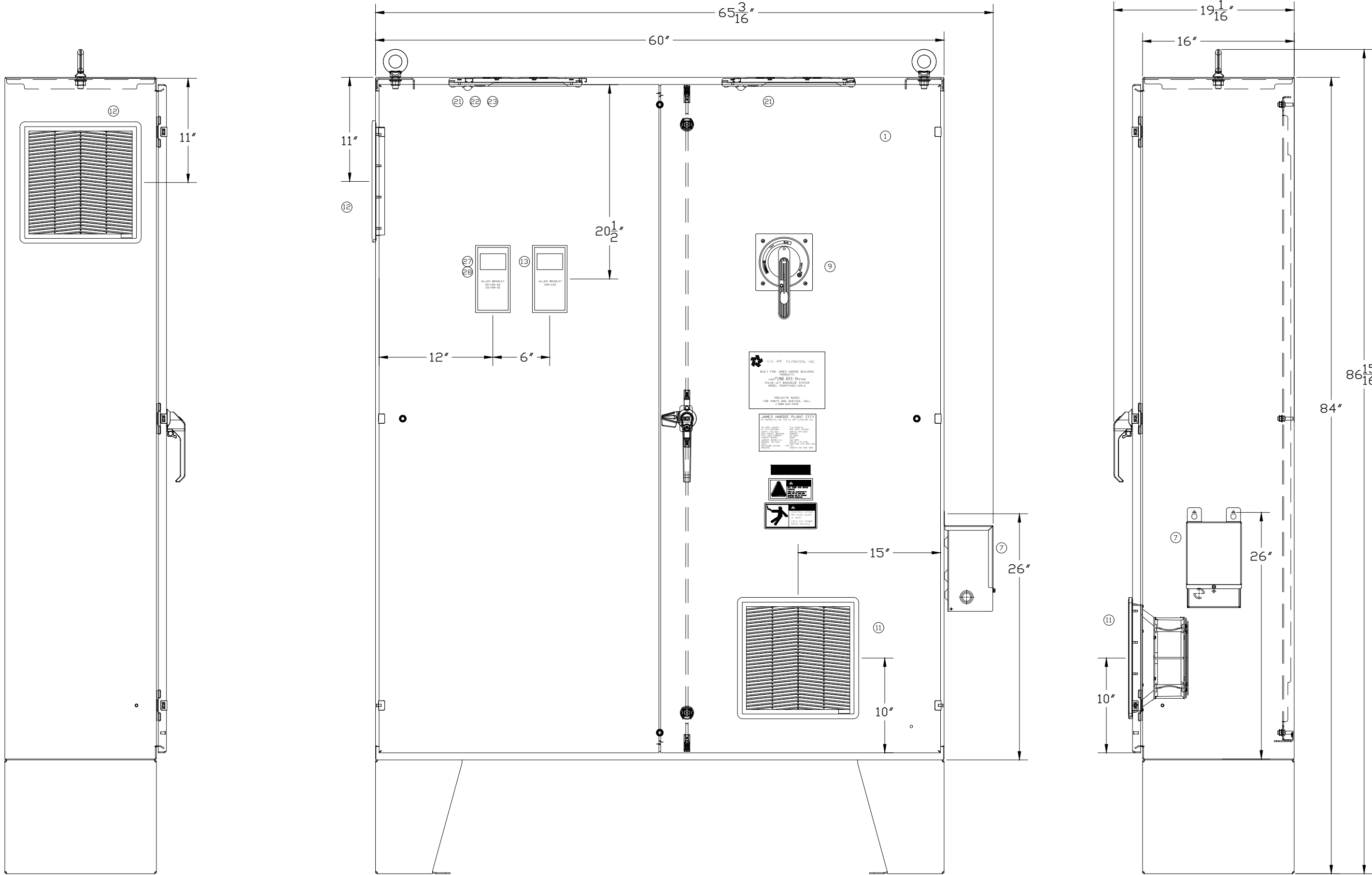
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SCALE: NONE	CUSTOMER: U.S.AIR FILTRATION for JAMES HARDIE-PLANT CITY, FL			
DWN. BY: JCL	TITLE: AIR FILTRATION SYSTEM CONTROL PANEL			
APP. BY:	SENSOR LAYOUT			
DATE: 05/17/22	DRAWING FILE #: 21265-E-402	PANEL #:	REV #: 1	CUSTOMER PROJECT #:



TAGGING EXAMPLES: COMPONENT: 0120CR1
WIRE NO. 01201

01 20 CR 1
DESIGNATOR
COMPONENT TAG
LINE REFERENCE
SHEET NO.

PANEL WIRES
FIELD WIRES

REV.	BY	DATE	REVISION DESCRIPTION
1	MAJ	10/10/22	ADD POWERFLEX 7-CLASS HIM AND BEZEL AND CORRECTED LEGEND PLATE

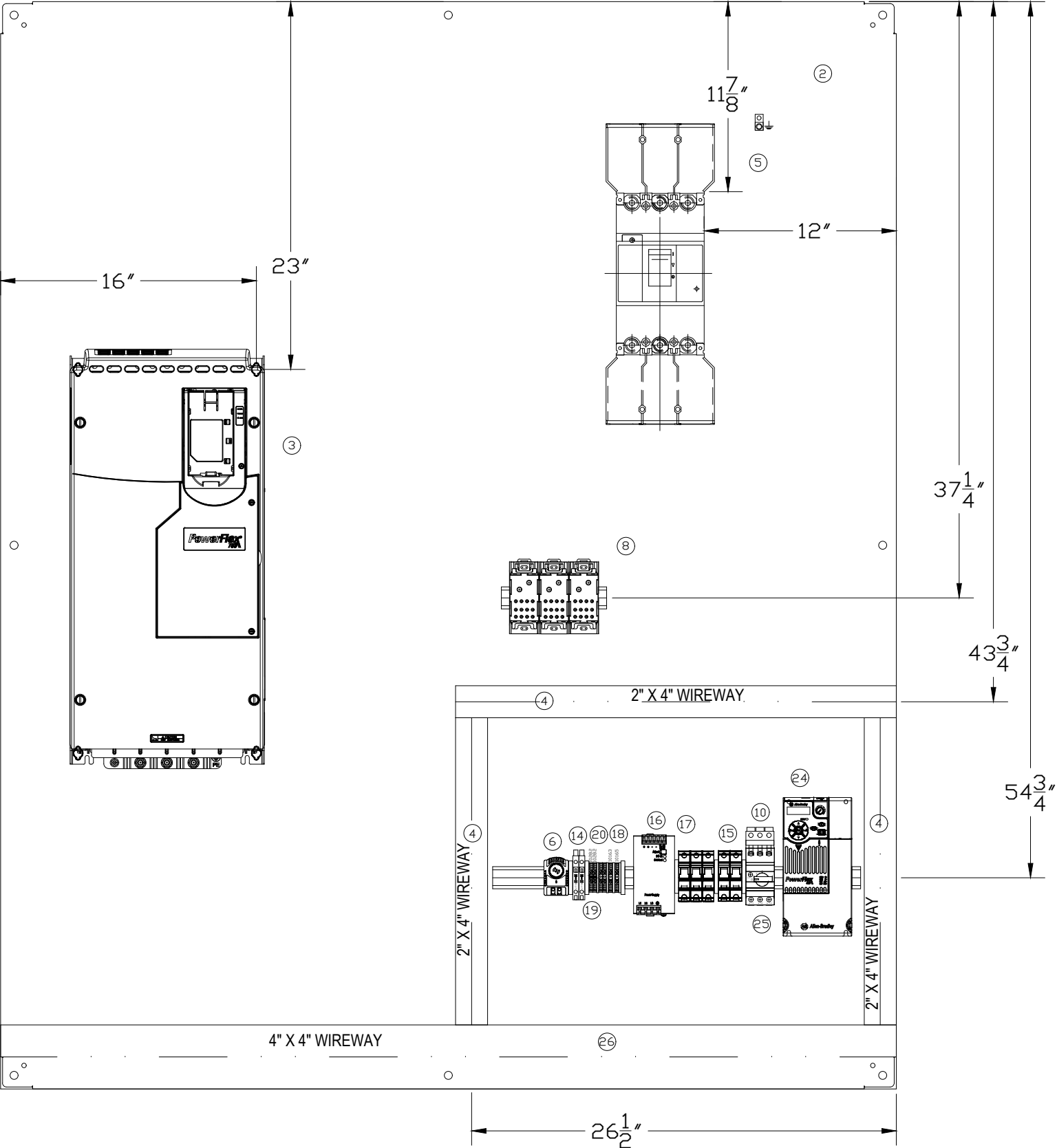
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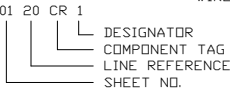
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SCALE: NONE	CUSTOMER: U.S.AIR FILTRATION for JAMES HARDY PLANT CITY FLORIDA
DWN. BY: KH	TITLE: AIR FILTRATION SYSTEM CONTROL PANEL
APP. BY:	CONTROL PANEL ENCLOSURE LAYOUT DRAWING
DATE: 5/18/2022	DRAWING FILE #: 21265-E-500
PANEL #: MCP01	REV #: 1
CUSTOMER PROJECT #:	



TAGGING EXAMPLES: COMPONENT: 0120CR1
WIRE NO. 01201



PANEL WIRES
FIELD WIRES

REV.	BY	DATE	REVISION DESCRIPTION

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SCALE: NONE	CUSTOMER: U.S.AIR FILTRATION for JAMES HARDY PLANT CITY FLORIDA			
DWN. BY: KH	TITLE: AIR FILTRATION SYSTEM CONTROL PANEL			
APP. BY:	CONTROL PANEL SUBPANEL LAYOUT DRAWING			
DATE: 5/18/2022	DRAWING FILE #: 21265-E-501	PANEL #:	REV #: 0	CUSTOMER PROJECT #:

ITEM	QTY.	MFG.	PART NO.	DESCRIPTION
1	1	SAGINAW CONTROL	SCE-726016ULP	ENCLOSURE 70" T X 60" W X 16"D
2	1	SAGINAW CONTROL	SCE-72P60	SUB PANEL 72"X 60"
3	1	ALLEN BRADLEY	20G1AND248JN0NNNNN	AB 200HP VFD, 480VAC/3PH
4	LOT	NORTH AMERICAN	WD-OS-200X400HDWH	2" X 4" WIRE WAY WITH COVER
5	1	FUJI ELECTRIC	BW400SAGU-3P400SB	400A, 48VAC, MOLDED CASE CIRCUIT BREAKER
6	1	SAGINAW CONTROL	SCE-TEMNO	THERMOSTAT
7	1	HAMMOND	C1F1C0LES	1KVA TRANSFORMER 480V PRIMARY 120V SECONDARY
8	1	EDISON	EPDB612	POWER DISTRIBUTION BLOCK 570A 3-POLE
9	1	FUJI ELECTRIC	BW9VOHA	FLANGE DISCONNECT HANDLE LOCKABLE DEFEATABLE NEMA 12
10	1	SPRECHER&SCHUH	KT7-32-A3E	FEEDER TERMINAL
11	1	SAGINAW CONTROL	SCE-N12FA1010	FILTER FAN
12	1	SAGINAW CONTROL	SCE-N12FGA1010	FILTER GRILL
13	1	ALLEN BRADLEY	22-HIM-C2S	HIM POWERFLEX IP66 UL-NEMA YPE 4X-12
14	2	SPRECHER&SCHUH	V7-H5	ACG STYLE FUSE HOLDER 24VDC
15	1	SPRECHER&SCHUH	31299	2 POLE CC STYLE FUSE BLOCK 30A 600V
16	1	RHINO	PSN-480-3	20A THREE PHASE POWER SUPPLY 480V INPUT 24VDC OUTPUT
17	1	SPRECHER&SCHUH	KF7-D3C-C30	3 POLE FUSE HOLDER
18	2	AUTOMATION DIRECT	DN-T10-B-A	BLUE TERMINAL BLOCKS 30A /22-10 AWG
19	2	AUTOMATION DIRECT	DN-T10-W-A	WHITE TERMINAL BLOCKS 30A /22-10 AWG
20	2	AUTOMATION DIRECT	DN-G	GREEN TERMINAL BLOCKS 30A / 22-10 AWG
21	2	SAGINAW CONTROL	SCE-SLMS	LIGHT STRIP
22	2	SAGINAW CONTROL	SCE-SLCC	LIGHT STRIP CONNECTION CORD
23	1	SAGINAW CONTROL	SCE-SLDCC	LIGHT STRIP DAISY CHAIN CORD
24	1	ALLEN BRADLEY	25B-D013N104	7.5 HP DRIVE
25	1	ALLEN BRADLEY	140M-D8E-C20	MOTOR PROTECTOR 14.5... 20A
26	LOT	NORTH AMERICAN	WD-OS-400X400HDWH	4" X 4" WIRE WAY WITH COVER
27	1	ALLEN BRADLEY	20-HIM-A6	POWERFLEX ARCHITECTURE CLASS ENHANCED HIM
28	1	ALLEN BRADLEY	20-HIM-B1	POWERFLEX 7-CLASS HIM BEZEL

TAGGING EXAMPLES: COMPONENT: 0120CR1
WIRE NO. 01201



PANEL WIRES
FIELD WIRES



REV.	BY	DATE	REVISION DESCRIPTION
1	MAJ	10/10/22	ADD POWERFLEX 7-CLASS HIM AND BEZEL

THIS IS A PROPRIETARY DRAWING:

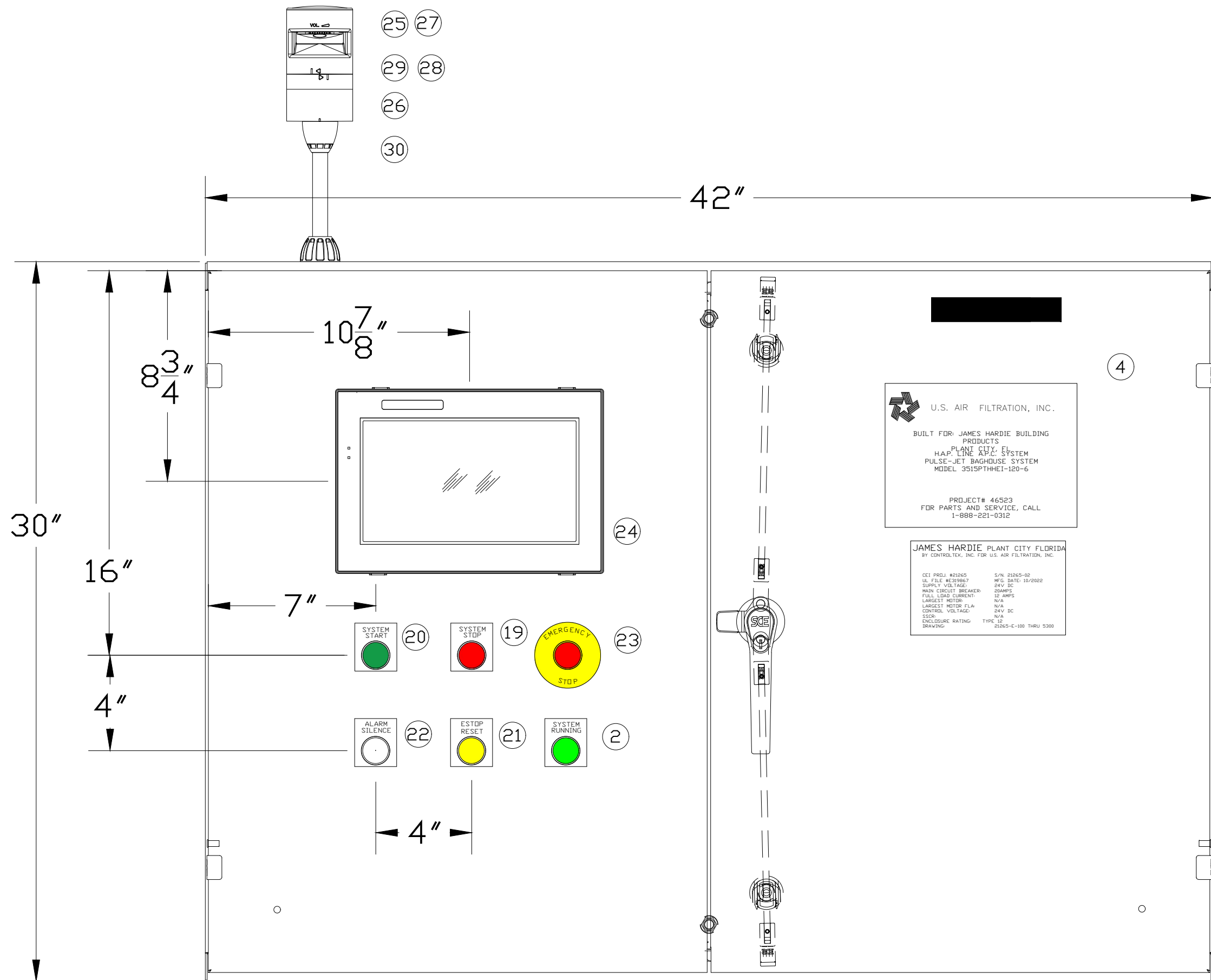
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SCALE: NONE	CUSTOMER: U.S.AIR FILTRATION for JAMES HARDY PLANT CITY FLORIDA			
DWN. BY: KH	TITLE: AIR FILTRATION SYSTEM CONTROL PANEL			
APP. BY:	DRIVE PANEL BILL OF MATERIALS			
DATE: 5/18/2022	DRAWING FILE #: 21265-E-502	PANEL #: MCP01	REV #: 1	CUSTOMER PROJECT #:



REV.	BY	DATE	REVISION DESCRIPTION
1	MAJ	10/10/22	CORRECTED LEGEND PLATE

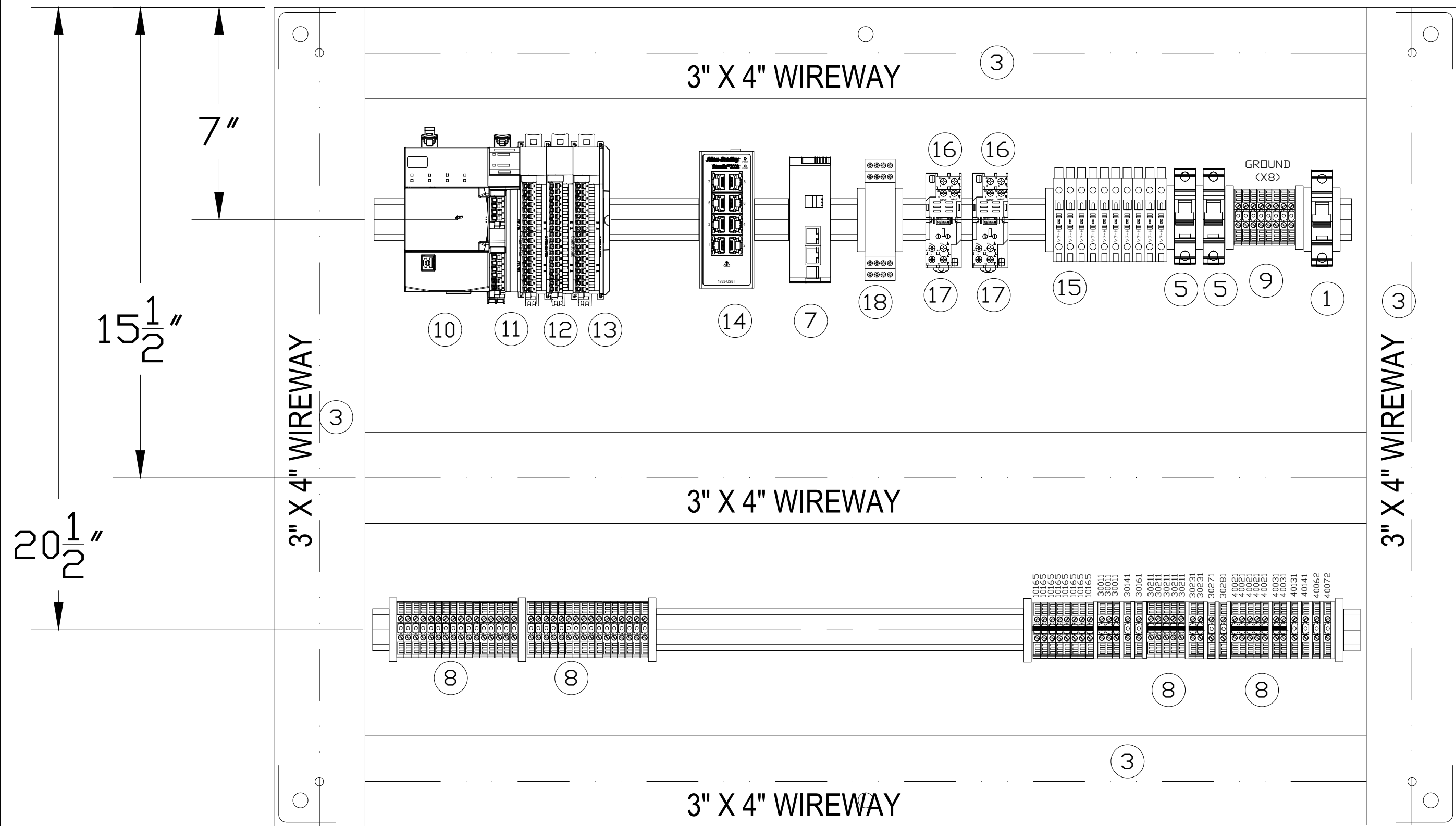
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SCALE: NONE	CUSTOMER: JAMES HARDIE BUILDING PRODUCTS PLANT CITY FLORIDA			
DWN. BY: KH	TITLE: BAGHOUSE SYSTEM			
APP. BY:	PLC PANEL ENCLOSURE LAYOUT DRAWING			
DATE: 5/19/2022	DRAWING FILE #: 21265-E-508	PANEL #: 02	REV #: 1	CUSTOMER PROJECT #:



REV.	BY	DATE	REVISION DESCRIPTION

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SCALE: NONE
DWN. BY: KH
APP. BY:

CUSTOMER: JAMES HARDIE BUILDING PRODUCTS PLANT CITY FLORIDA

TITLE: BAGHOUSE SYSTEM
PLC PANEL SUB PANEL LAYOUT DRAWING

DATE: 5/19/2022

DRAWING FILE #: 21265-E-509

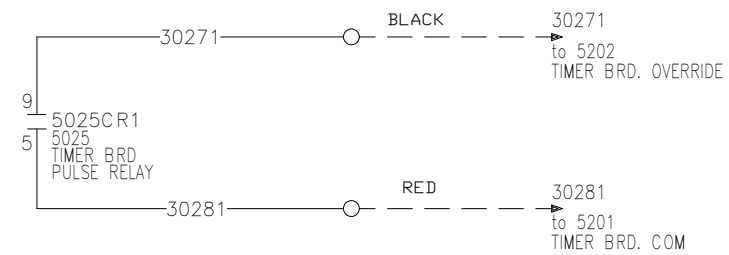
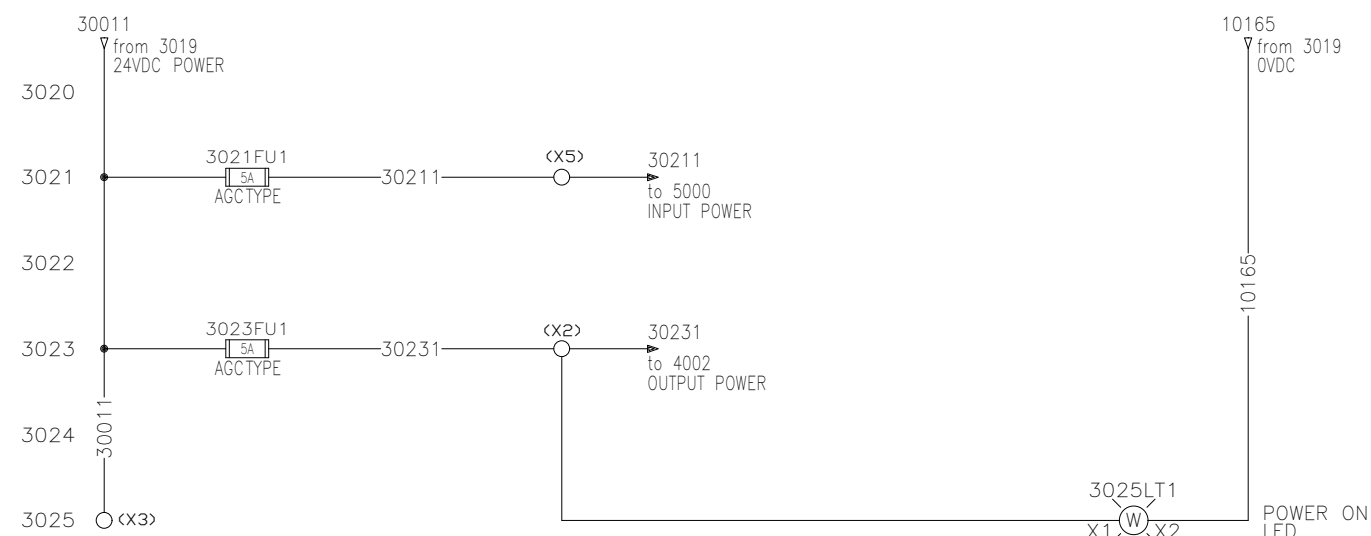
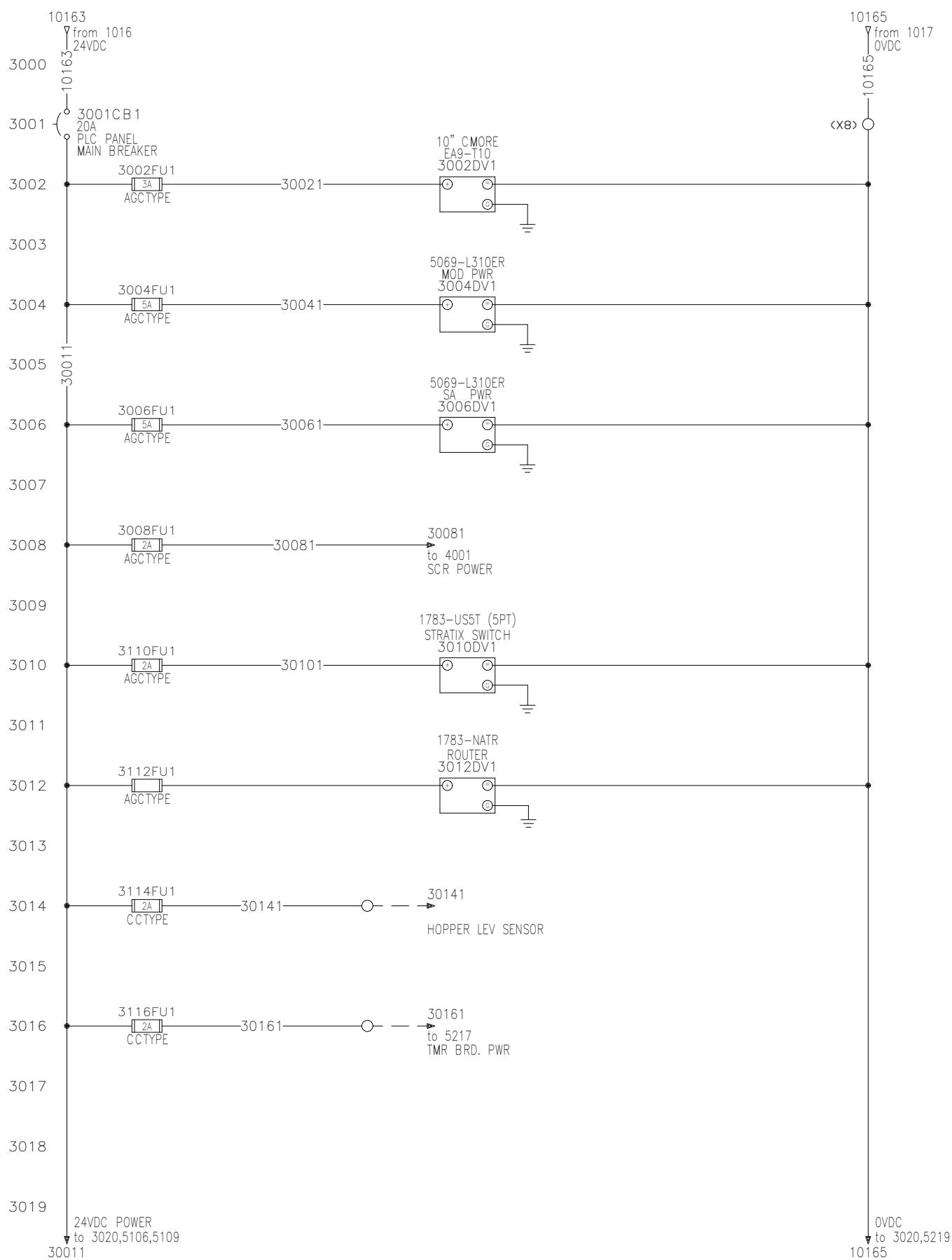
PANEL #: 02

REV #: 0

CUSTOMER PROJECT #:

ITEM	QTY.	MFG.	PART NO.	DESCRIPTION
1	1	SPRECHER&SCHUH	L9-1/20/D	CIRCUIT BREAKER, 1-POLE, 20AMP
2	1	SPRECHER&SCHUH	D7M-P6PM3W	GREEN PILOT LIGHT
3	LOT	NORTH AMERICAN	WD-OS-300X400HDWH	3" X 4" WIRE WAY WITH COVER
4	1	SAGINAW CONTROL	SCE-304210WFLP	SINGLE DOOR ENCLOSURE, 30"H x 42"W x 10"
5	2	SPRECHER&SCHUH	31289	FUSE HOLDER, 1- POLE TYPE "CC", 600V, 30A
6	1	SAGINAW CONTROL	SCE-42P30	ENCLOSURE SUB PANEL, 30"H x 42"W
7	1	ALLEN BRADLEY	1783-NATR	NETWORK ROUTER
8	65	AUTOMATION DIRECT	DN-T10B	TERMINAL BLOCK, 600VAC, 30AMP, BLUE
9	8	AUTOMATION DIRECT	DN-G10	TERMINAL BLOCK, 600VAC, 30AMP, GROUND
10	1	ALLEN BRADLEY	5069-L310ER	5069 COMPACTLOGIX PROCESSOR
11	1	ALLEN BRADLEY	5069-IB16	24VDC 16-PT SINKING INPUT MODULE
12	1	ALLEN BRADLEY	5069-OB16	24VDC 16-PT SOURCING OUTPUT MODULE
13	1	ALLEN BRADLEY	5069-IY4	5069 COMPACT I/O 4 CHANNEL ANALOG INPUT MODULE
14	1	ALLEN BRADLEY	1783-US8T	STRATIX 2000 8 PORT ETHERNET SWITCH
15	10	AUTOMATION DIRECT	V7-H5	"ACG" STYLE FUSE HOLDER 24VDC
16	2	AUTOMATION DIRECT	781-1C-SKT	RELAY BASE
17	2	AUTOMATION DIRECT	781-1C-24D	RELAY 24VDC
18	1	DOLD	LG5924-02-61-24	SAFETY RELAY
19	1	SPRECHER&SCHUH	D7P-F4PX01	PUSHBUTTON, MOM., RED, NON-ILLUMINATED
20	1	SPRECHER&SCHUH	D7P-F3PX01	PUSHBUTTON, MOM., GREEN, NON- ILLUMINATED
21	1	SPRECHER&SCHUH	D7P-F5PX01	PUSHBUTTON, MOM., YELLOW, NON-ILLUMINATED
22	1	SPRECHER&SCHUH	D7P-F2PX01	PUSHBUTTON, MOM., BLACK, NON-ILLUMINATED
23	1	SPRECHER&SCHUH	D7P-LMP44MN5RX01S	ILLUMINATED RED PUSH PULL E-STOP
24	1	C-MORE	EA9-T10WCL	10" EA9 SERIES TOUCH SCREEN
25	1	BANNER	SG-TL70-R	TL70 LIGHT MOD RED 12-30VDC
26	1	BANNER	SA-M30TE12	ADAPTER COVER M30 BLACK FEMALE/FEMALE, QD TO POLE MOUNT
27	1	BANNER	MQDC2S-815	MQDC2S-815
28	1	BANNER	B-TL70-Q8	TL70 BASE MODULE 1-6 MODULES, 12-30VDC 8 PIN DISCONNECT
29	1	BANNER	SOP-E12-150A	STANDOFF PIPE
30	1	BANNER	SA-F12	PIPE MOUNTING FLANGE

REV.	BY	DATE	REVISION DESCRIPTION	THIS IS A PROPRIETARY DRAWING: The information and illustration within this drawing is the confidential and sole property of ControlTek, Inc. Any disclosure or other use thereof requires written authorization by ControlTek, Inc.		 Control System Integrators 3106 Orval Orlan Drive, Jonesboro, AR 72404 Phone: (870) 931-7204 Fax: (870) 931-7206 www.controltekeng.com		SCALE: NONE	CUSTOMER: JAMES HARDIE BUILDING PRODUCTS PLANT CITY FLORIDA			
								DWN. BY: KH	TITLE: BAGHOUSE SYSTEM	PLC PANEL SUB PANEL BILL OF MATERIALS		
								APP. BY:				
								DATE: 5/19/2022	DRAWING FILE #: 21265-E-510	PANEL #: 02	REV #: 0	CUSTOMER PROJECT #:



TAGGING EXAMPLES: COMPONENT: 0120CR1 WIRE NO. 01201

01 20 CR 1

DESIGNATOR
COMPONENT TAG
LINE REFERENCE
SHEET NO.

PANEL WIRES
FIELD WIRES

REV.	BY	DATE	REVISION DESCRIPTION

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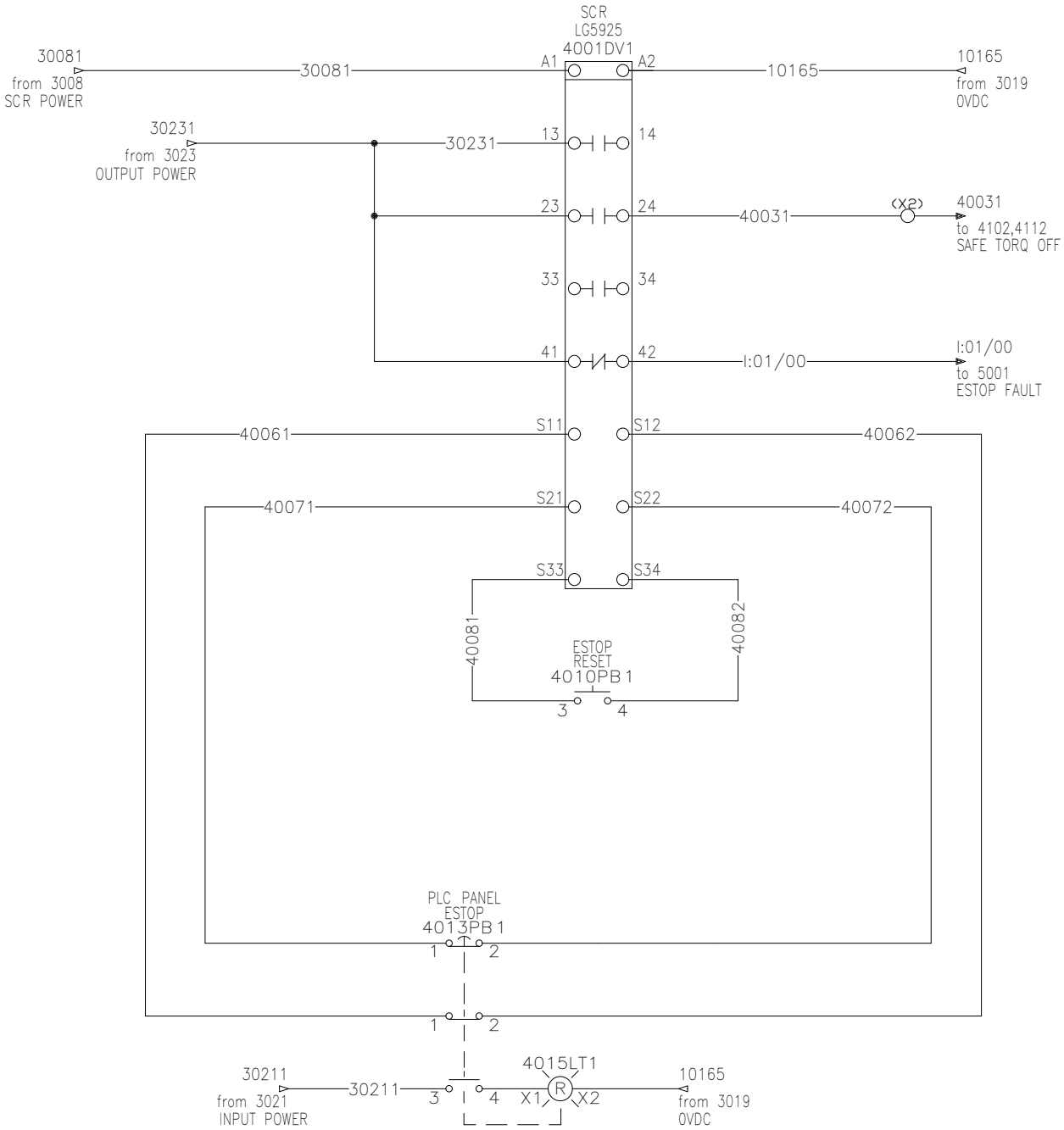


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SCALE: NONE	CUSTOMER: U.S.AIR FILTRATION for JAMES HARDIE-PLANT CITY, FL			
DWN. BY: JCL	TITLE: AIR FILTRATION SYSTEM CONTROL PANEL			
APP. BY:	24VDC PWR DISTRIBUTION			
DATE: 05/17/22	DRAWING FILE #: 21265-E-3100	PANEL #: PLC01	REV #: 0	CUSTOMER PROJECT #: P.O. 55472

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TAGGING EXAMPLES: COMPONENT: 0120CR1
WIRE NO. 01201

01 20 CR 1
DESIGNATOR
COMPONENT TAG
LINE REFERENCE
SHEET NO.

PANEL WIRES
FIELD WIRES

REV.	BY	DATE	REVISION DESCRIPTION

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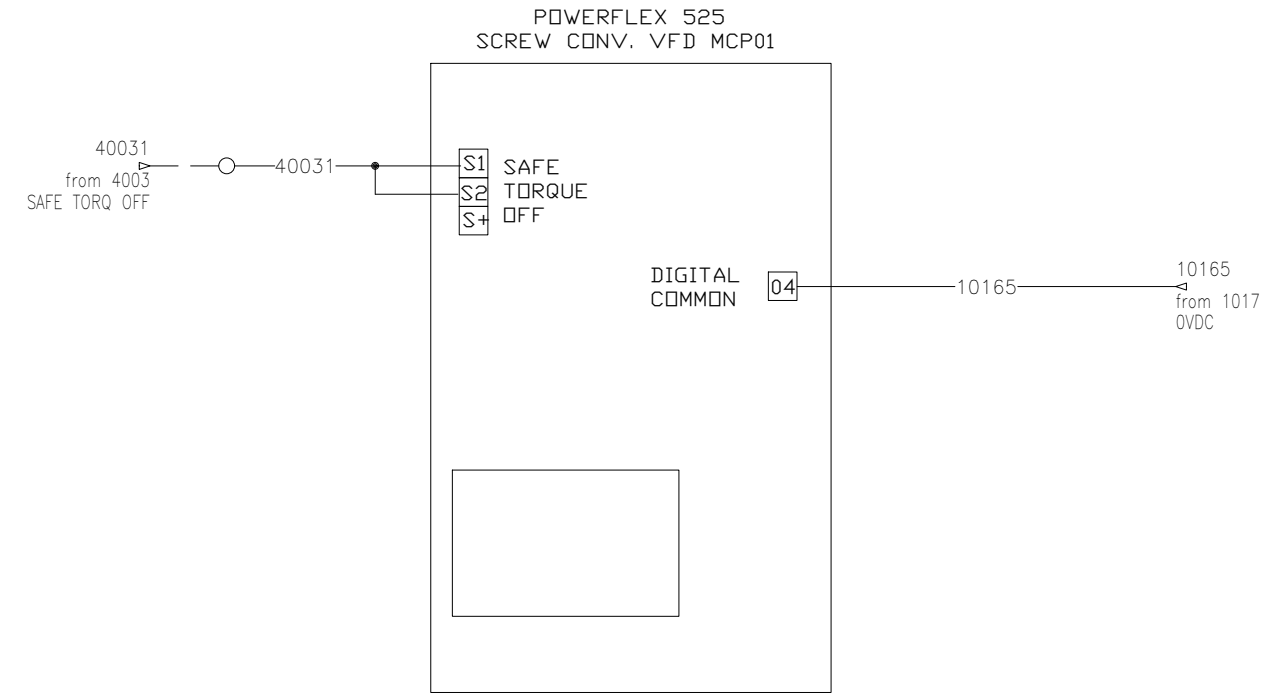
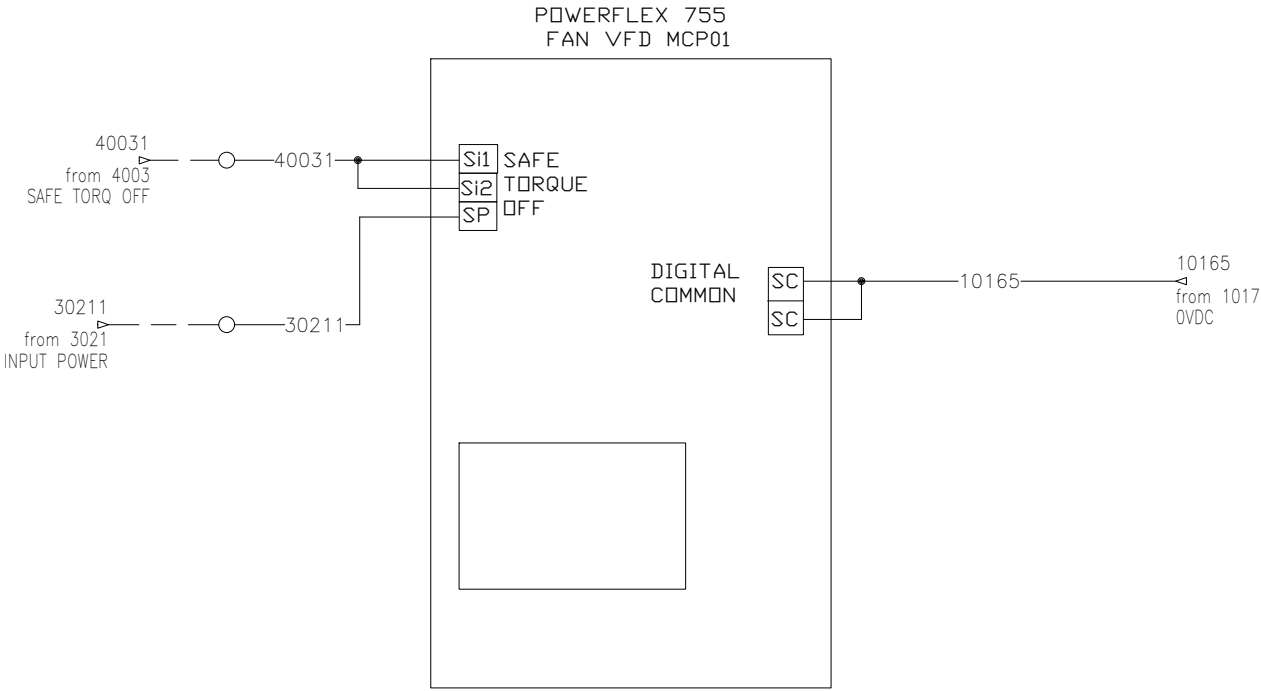
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SCALE: NONE	CUSTOMER: U.S.AIR FILTRATION for JAMES HARDIE-PLANT CITY, FL			
DWN. BY: JCL	TITLE: AIR FILTRATION SYSTEM CONTROL PANEL			
APP. BY:	ESTOP CIRCUIT WIRING DIAGRAM			
DATE: 05/17/22	DRAWING FILE #: 21265-E-4000	PANEL #: PLC01	REV #: 0	CUSTOMER PROJECT #: P.O. 55472

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TAGGING EXAMPLES: COMPONENT: 0120CR1
WIRE NO. 01201

01 20 CR 1

DESIGNATOR
COMPONENT TAG
LINE REFERENCE
SHEET NO.

PANEL WIRES
FIELD WIRES



REV.	BY	DATE	REVISION DESCRIPTION

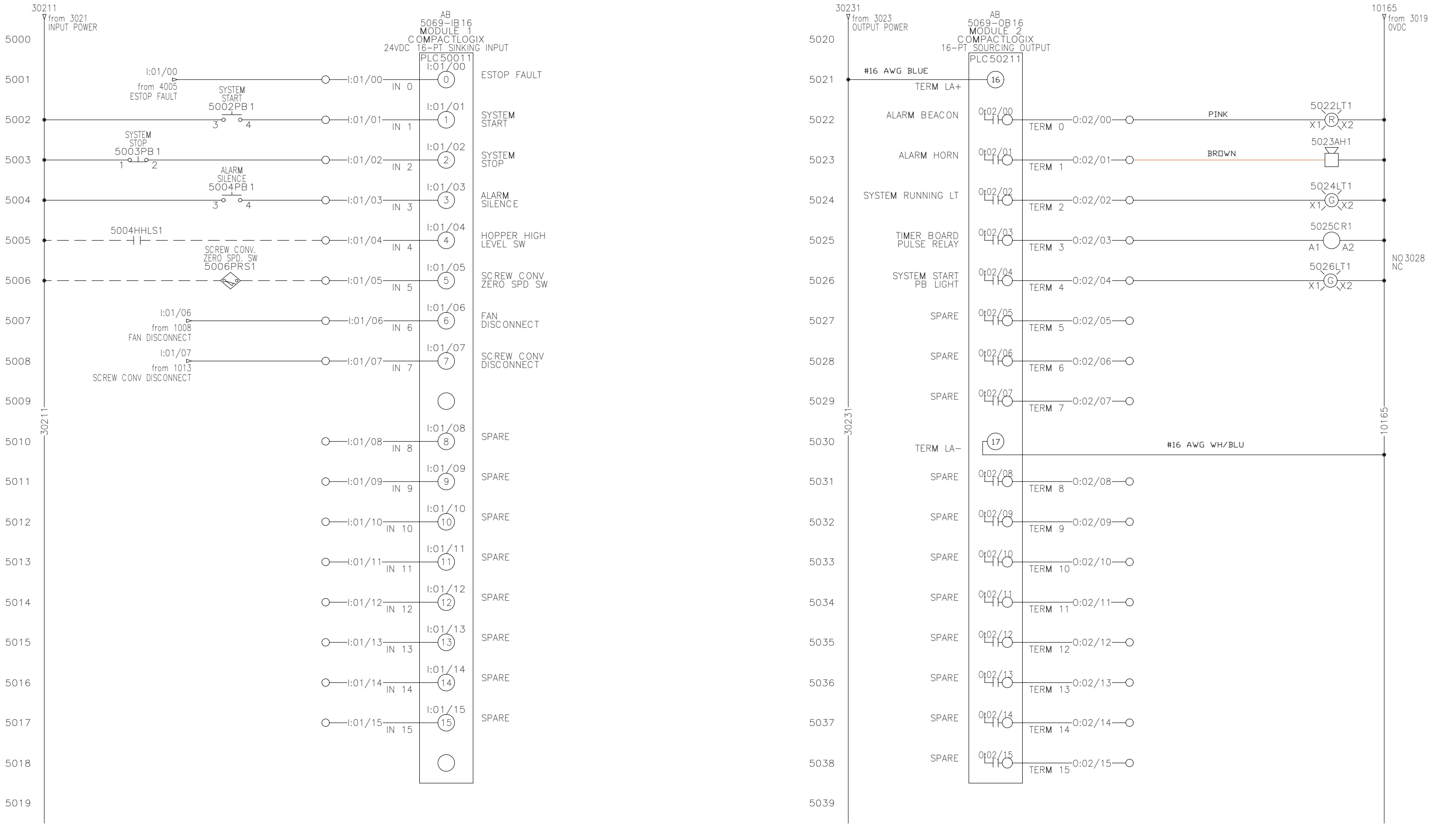
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SCALE: NONE	CUSTOMER: U.S.AIR FILTRATION for JAMES HARDY-PLANT CITY, FL			
DWN. BY: JCL	TITLE: AIR FILTRATION SYSTEM CONTROL PANEL			
APP. BY:	VFD SAFETORQUE OFF CONNECTION			
DATE: 05/17/22	DRAWING FILE #: 21265-E-4100	PANEL #: MCP01	REV #: 0	CUSTOMER PROJECT #: P.O. 55472



REV.	BY	DATE	REVISION DESCRIPTION	THIS IS A PROPRIETARY DRAWING: The information and illustration within this drawing is the confidential and sole property of ControlTek, Inc. Any disclosure or other use thereof requires written authorization by ControlTek, Inc.		ControlTek, Inc. Control System Integrators 3106 Orval Orlan Drive, Jonesboro, AR 72404 Phone: (870) 931-7204 Fax: (870) 931-7206 www.controltekeng.com	SCALE:	CUSTOMER:			
							NONE	U.S.AIR FILTRATION for JAMES HARDIE-PLANT CITY, FL			
							DWN. BY: JCL	TITLE: AIR FILTRATION SYSTEM CONTROL PANEL			
							APP. BY:	MODULE 1 & 2 DC I/O			
							DATE: 05/17/22	DRAWING FILE #: 21265-E-5000	PANEL #: PLC01	REV #: 0	CUSTOMER PROJECT #: P.O. 55472

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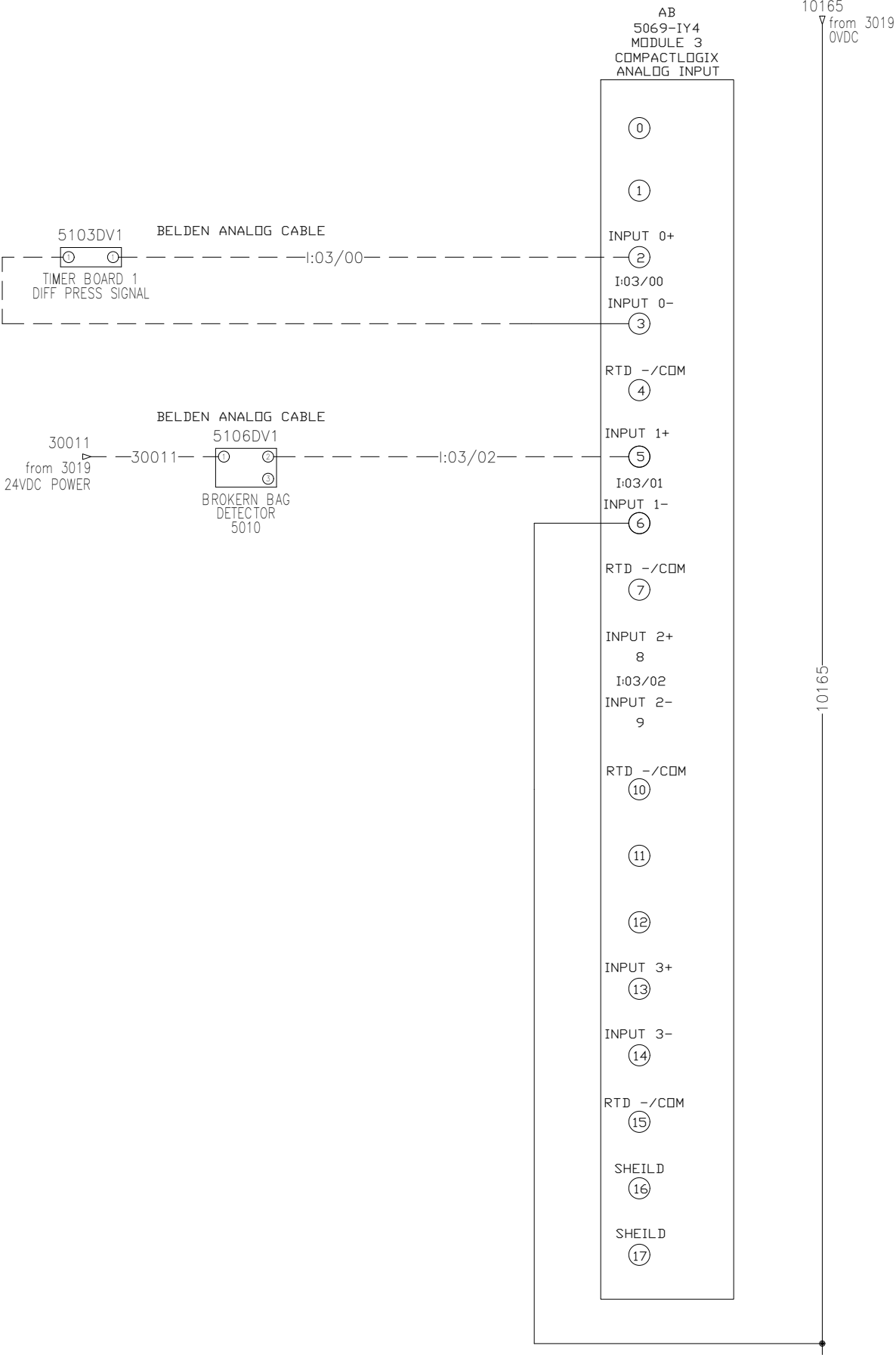
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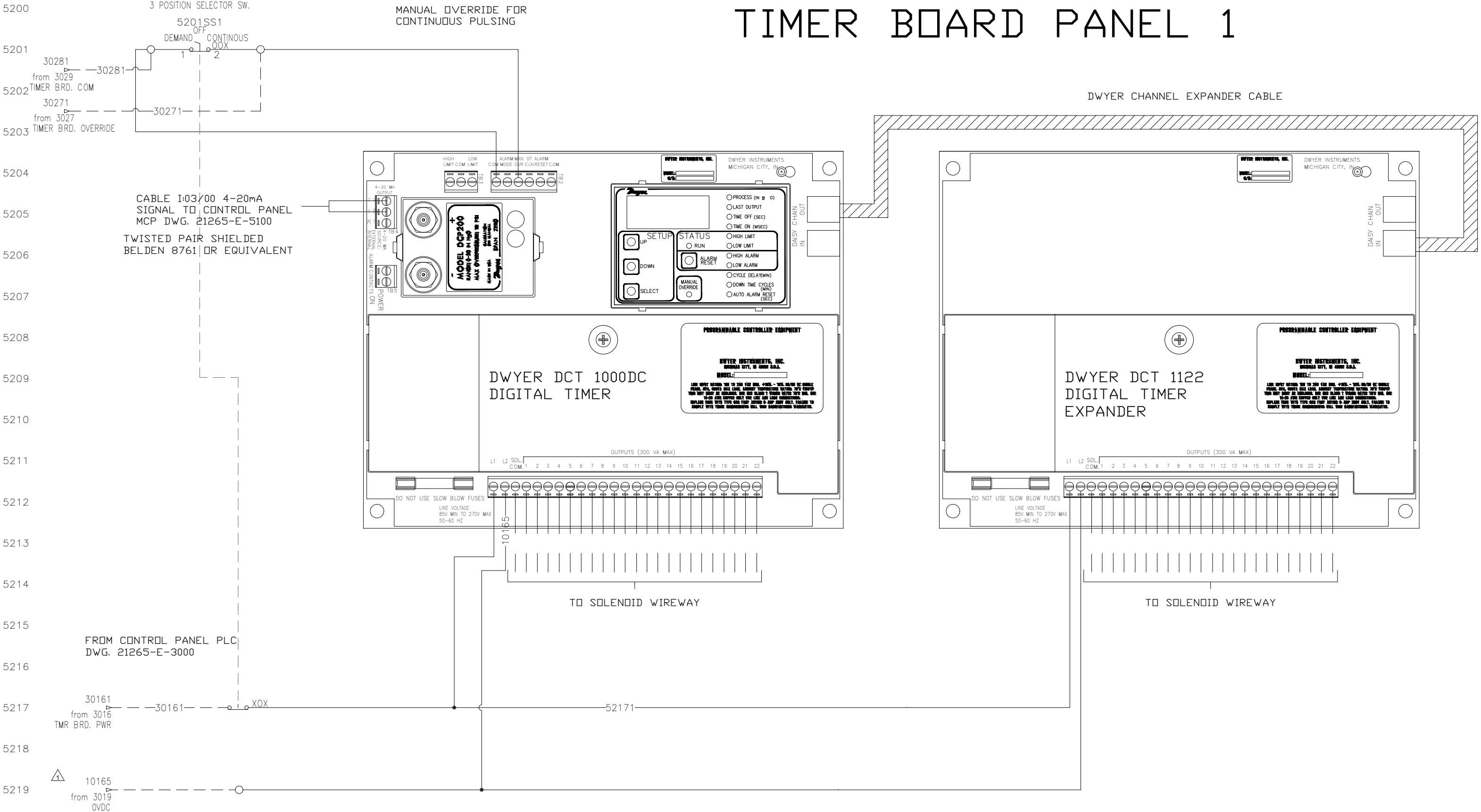
5118

5119



REV.	BY	DATE	REVISION DESCRIPTION	THIS IS A PROPRIETARY DRAWING: The information and illustration within this drawing is the confidential and sole property of ControlTek, Inc. Any disclosure or other use thereof requires written authorization by ControlTek, Inc.	CTControlTek, Inc. Control System Integrators 3106 Orval Orlan Drive, Jonesboro, AR 72404 Phone: (870) 931-7204 Fax: (870) 931-7206 www.controltekeng.com	SCALE: NONE	CUSTOMER: U.S.AIR FILTRATION for JAMES HARDIE-PLANT CITY, FL			
						DWN. BY: JCL	TITLE: AIR FILTRATION SYSTEM CONTROL PANEL			
						APP. BY:	MODULE 3 ANALOG INPUT			
						DATE: 05/17/22	DRAWING FILE #: 21265-E-5100	PANEL #: PLC	REV #: 0	CUSTOMER PROJECT #: P.O. 55472

TIMER BOARD PANEL 1



REV.	BY	DATE	REVISION DESCRIPTION	THIS IS A PROPRIETARY DRAWING:					SCALE:	CUSTOMER:				
1	MAJ	01/03/22	REVISED WIRE NUMBERS	The information and illustration within this drawing is the confidential and sole property of ControlTek, Inc. Any disclosure or other use thereof requires written authorization by ControlTek, Inc.					NONE	U.S.AIR FILTRATION for JAMES HARDIE-PLANT CITY, FL				
									DWN. BY:					
									JCL					
									APP. BY:					
					3106 Orval Orlan Drive, Jonesboro, AR 72404 Phone: (870) 931-7204 Fax: (870) 931-7206 www.controltekeng.com					DATE:	DRAWING FILE #:	PANEL #:	REV #:	CUSTOMER PROJECT #:
										05/17/22	21265-E-5200	TB1	1	P.O. 55472