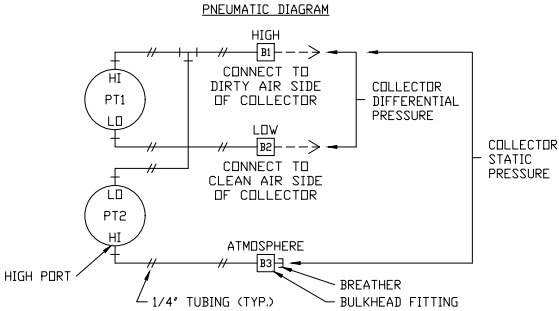


REV	ZONE	REVISION DESCRIPTION	APPROVAL/DATE
0		PER QUOTE 516281F ITEM B2	MP/5-27-25

NAMEPLATE SPECIFICATIONS :
MATERIAL : GRAVOPLY II, WHT W/BLK LETTERS
LETTER SIZE : .156

NAMEPLATE SCHEDULE		
NP#	SIZE/DWG	DESCRIPTION
1	A	FILTER PRESSURE B1 HIGH B2 LOW
2	A	STATIC PRESSURE B3
3		SEE PRINT DETAIL
4	LW007	CAPACITIVE DISCHARGE WARNING
5	A	BLOWER VARIABLE SPEED DRIVE 1
6	A	BLOWER VARIABLE SPEED DRIVE 2

A = 3.00" x .75"



- NOTES:
- SEE SNAP TERMINAL BLOCK WIRING INSTRUCTIONS PROVIDED WITH DRAWINGS.
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 - FOR TECHNICAL SUPPORT, PLEASE SUPPLY THE SERIAL NUMBER AS SHOWN INSIDE THE CONTROL PANEL DOOR.
 - MANUFACTURERS OF COMPONENTS USED IN THIS ASSEMBLY ARE SUBJECT TO CHANGE WITHOUT NOTICE.
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APPROVAL

DATE SENT: 5-27-25

☐ APPROVED AS IS

☐ APPROVED AS NOTED

☐ NOT APPROVED

BY: _____

DATE: _____

RETURN ONE SIGNED COPY

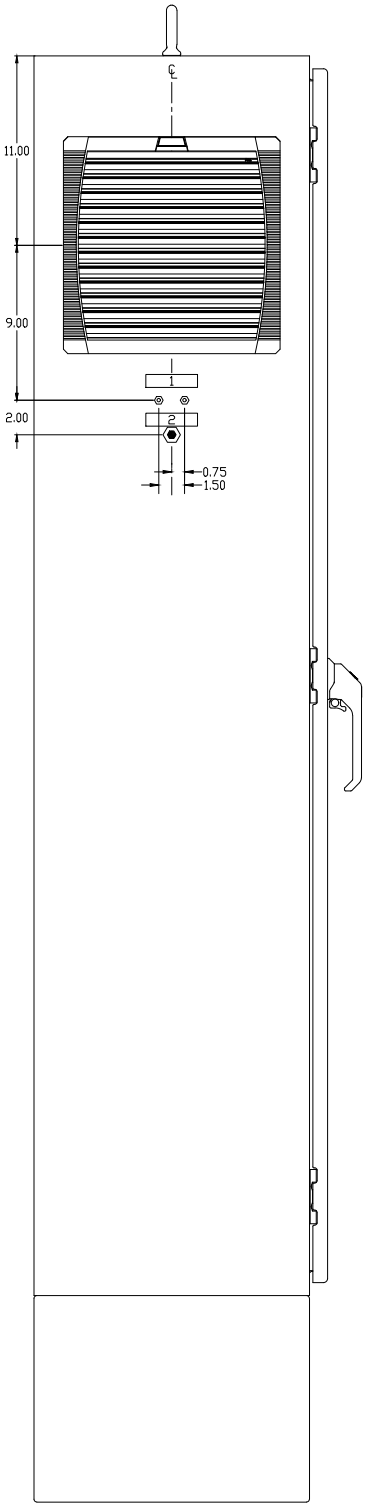
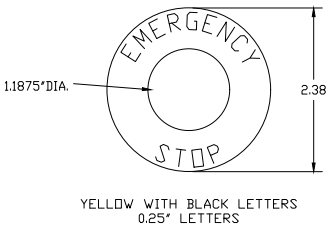
UPON RELEASE, IF CHANGES ARE REQUESTED, OR MORE THAN 30 DAYS HAVE ELAPSED SINCE TRANSMITTAL DATE EXTRA CHARGES MAY APPLY.

MATERIAL	RELEASE NO.		TITLE ELECTRIC CONTROL PANEL FOR RF COLLECTOR WITH PLC CONTROL		NUMBER	SD# 18963192 241709-2		REVISION	0	DESIGN CONTROL A004	DWG LOCATION A101	VERSION A	D
	DATE	EXP DATE											
REFERENCE	DWN	S. JORBY	DATE	5-27-25	CHK	M. PHILLIPS	SCALE	1/4	SHEET	1 OF 9	ACAD	DONALDSON INDUSTRIAL GROUP MINNEAPOLIS, MN IAF	
	DATE	5-27-25	DATE	5-27-25	DATE	5-27-25	APVD	C/C	CACD	ACAD	0		
PREVIOUS DRAWING NO.	DO NOT SCALE	TOLERANCES UNLESS OTHERWISE SPECIFIED	2 PL ±	3 PL ±	ANGLES ±	THIRD ANGLE PROJECTION	SECTIONAL SIZE	OUTLINE SIZE	DESIGN CONTROL A004	DWG LOCATION A101	VERSION A	one reserved unless otherwise specified in writing by Donaldson Company, Inc.	

ENCLOSURE:
72.00"H x 72.00"W x 16.00"D
NEMA 12 CONSTRUCTION
WITH ONE 68.0"H x 68.0"W SUBPANEL
AND 12.0" LEG KIT

FINISH:
EXTERIOR - ANSI 61 GRAY

NAMEPLATE 3



MALE BARB FITTING

C OF DOOR

ARC FLASH WARNING

4



DISC1

HMI1

3

ILES1

AH1

6.00

0.79 (REF)

10.68 (REF)

23.90 (REF)

COOLING FAN CF1

9.00

REV	ZONE	REVISION DESCRIPTION	APPROVAL/DATE
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APPROVAL

DATE SENT: 5-27-25

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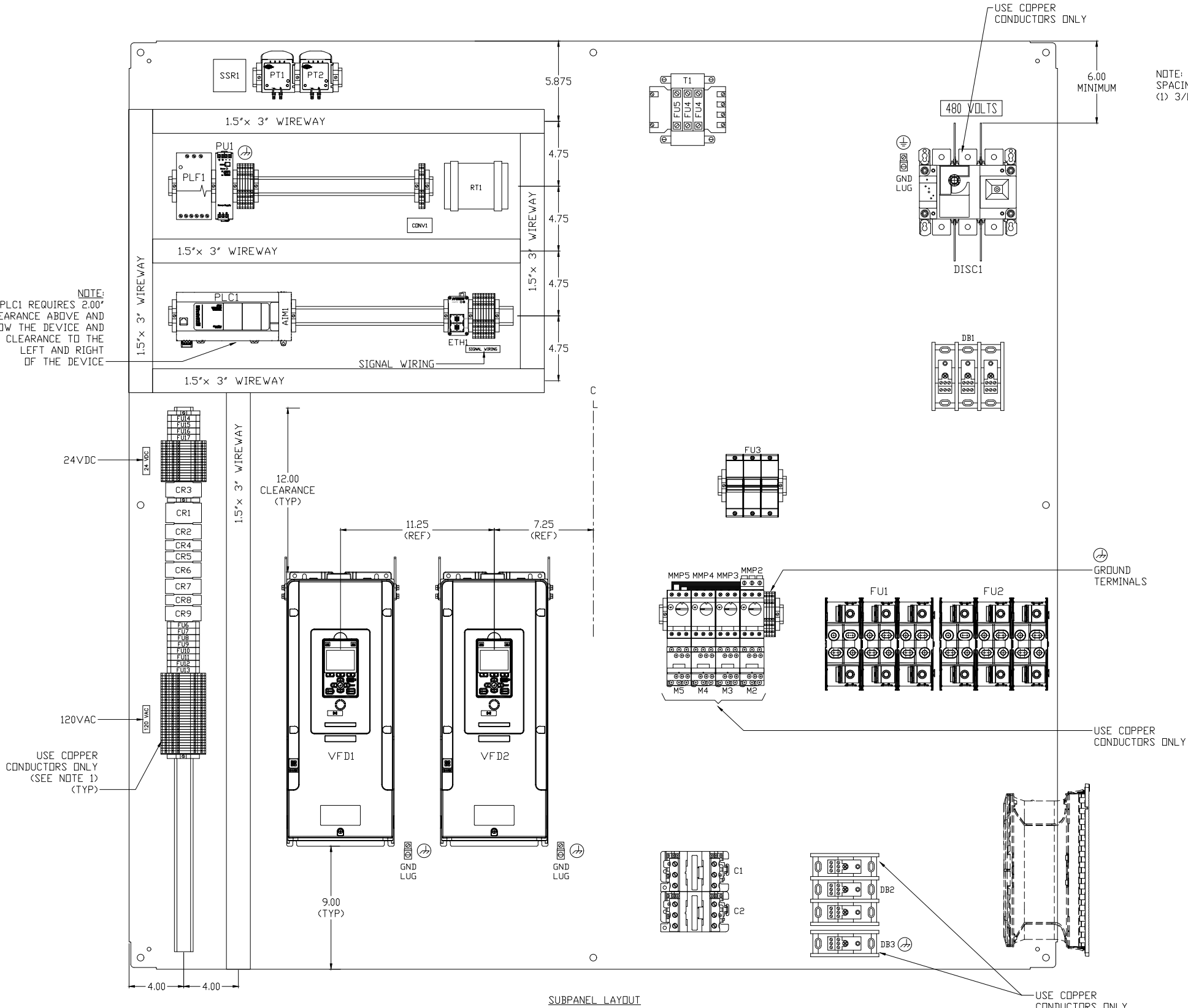
UPON RELEASE, IF CHANGES ARE REQUESTED, OR MORE THAN 30 DAYS HAVE ELAPSED SINCE TRANSMITTAL DATE, EXTRA CHARGES MAY APPLY.

NOTE:
SPACING BASED UPON MAXIMUM,
(1) 3/0 AWG CONDUCTOR PER PHASE

NOTES:

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MATERIAL			RELEASE NO.		TITLE ELECTRIC CONTROL PANEL FOR RF COLLECTOR WITH PLC CONTROL				 Donaldson™ Industrial Group Minneapolis, MN																										
REFERENCE			DATE		NUMBER SD# 18963192 241709-2																														
			EXP DATE																																
			DWN S. JORDY																																
PREVIOUS DRAWING NO.			DATE 5-27-25		SCALE 1/4 SHEET 2 OF 9 REVISION 0				IAF																										
			CHK M. PHILLIPS																																
			DATE 5-27-25																																
DO NOT SCALE			TOLERANCES UNLESS OTHERWISE SPECIFIED		2 PL ± 3 PL ± ANGLES ±		DATE		THIRD ANGLE PROJECTION		SECTIONAL SIZE		OUTLINE SIZE		DESIGN CONTROL A004 DWG LOCATION A101		VERSION A																		
																		All rights to manufacture, copy, reproduce, or dispose of this drawing or its contents are reserved unless otherwise specified in writing by Donaldson Company, Inc.																	

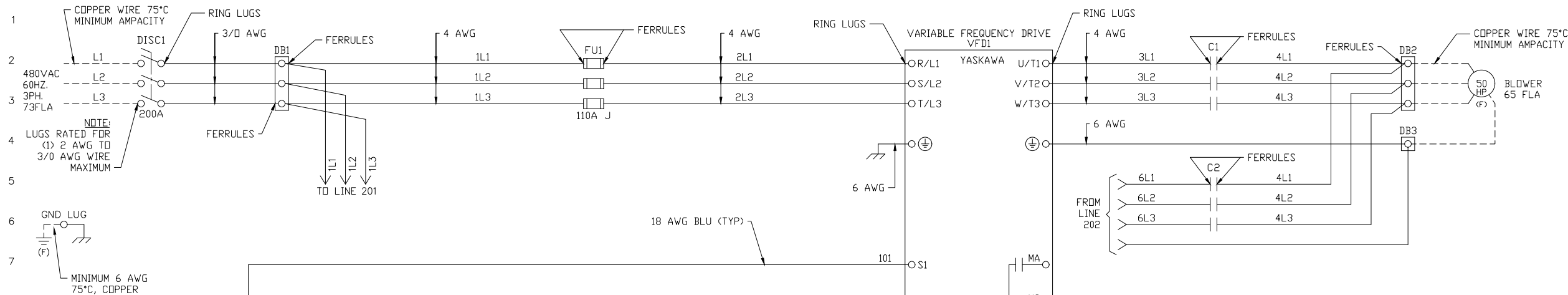


SUBPANEL LAYOUT

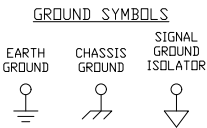
NOTE:
FOR HIGH FAULT SCOR RATING FIELD SUPPLIED OVER CURRENT
PROTECTION OF 200A MAXIMUM TYPE J FUSES REQUIRED.

1

REV	ZONE	REVISION DESCRIPTION	APPROVAL/DATE
0		PER QUOTE 516281F ITEM B2	MP/5-27-25



APPROVAL	
DATE SENT:	5-27-25
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UPON RELEASE, IF CHANGES ARE REQUESTED, OR MORE THAN 30 DAYS HAVE ELAPSED SINCE TRANSMITTAL DATE, EXTRA CHARGES MAY APPLY.	



LOCATION CODE:

- (F) DEVICE LOCATED IN THE FIELD
⊗ - TERMINAL IN CONTROL PANEL
---- INDICATES FIELD WIRING

— DENOTES UNCONNECTED SHIELD END, STRIPPED OUT OF CABLE FOR TWO INCH LENGTH, WRAPPED BACK ON CABLE, AND INSULATED WITH HEAT SHRINK TUBING OR TAPE.

NOTES:

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VFD1 (FP605) SETTINGS W/ VFD ENABLE

PARAMETER	SETTING	DESCRIPTION
B1-01	0	FREQUENCY REFERENCE SELECTION = KEYPAD
B1-04	1	REVERSE OPERATION - DISABLED
* C1-01	30	ACCEL TIME #1 (SEC)
* C1-02	130	DECEL TIME #1 (SEC)
* D1-01	40	FREQUENCY REFERENCE 1 (HZ)
D1-02	45	FREQUENCY REFERENCE 2 (HZ)
D1-03	50	FREQUENCY REFERENCE 3 (HZ)
D1-04	60	FREQUENCY REFERENCE 4 (HZ)
D1-17	30	JOG SPEED (HZ)
* D2-02	50	FREQ. REF LOWER LIMIT (%)
D4-01	1	FREQ. REF HOLD - ENABLED
* E1-01	480	INPUT VOLTAGE (V)
E1-03	1	V/F PATTERN SELECTION
** E1-04	60	MAX OUTPUT FREQ. (HZ)
** E1-05	460	MAX VOLTAGE (V)
** E2-01	65	MOTOR RATED CURRENT (A)
** E2-04	4	# OF POLES
*** H1-03	25	EXTERNAL FAULT (NO VOLTAGE AT VFD TERMINAL S3)
H1-05	3	MULTI-STEP SPEED REFERENCE 1
H1-06	4	MULTI-STEP SPEED REFERENCE 2
H2-01	0	ENERGIZE OUTPUT M1-M2 WHEN RUNNING
H2-02	0	ENERGIZE OUTPUT M3-M4 WHEN RUNNING
L8-35	1	INSTALLATION METHOD = SIDE BY SIDE MOUNTING

* = SETTINGS MAY REQUIRE FIELD ADJUSTMENTS
** = AT INSTALLATION, FIELD TECH TO VERIFY PARAMETER SETTINGS WITH MOTOR NAMEPLATE INFORMATION
*** = SEE VFD FAULT CODE NOTE

RPM	# OF POLES
1250	6
1750	4
3450	2

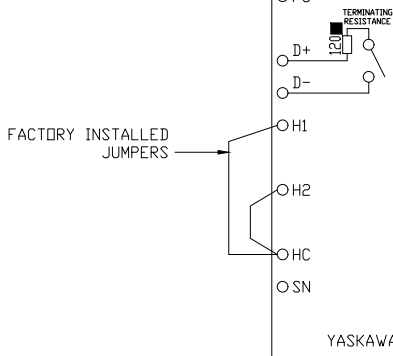
EF3 VFD FAULT CODE NOTE

*** EF3 VFD FAULT CODE DISPLAYED ON THE VFD KEYPAD INDICATES THAT A CONTROL PANEL CRITICAL ALARM CONDITION IS PRESENT BASED ON ONE OF THE FIELD DEVICES CONNECTED TO THE CONTROL PANEL.

- PRESS THE CONTROL PANEL RESET PUSH BUTTON TO CLEAR ALARM CONDITION.
- IF THE EF3 ALARM IS NOT CLEARED CHECK THAT THE CRITICAL ALARM FIELD DEVICES ARE CONNECTED TO THE CONTROL PANEL AND WIRED PROPERLY PER THE SCHEMATIC.

FACTORY INSTALLED JUMPERS

NOTE:
REMOVE FACTORY INSTALLED JUMPER BETWEEN TERMINALS SP AND SC



MATERIAL			RELEASE NO.		TITLE ELECTRIC CONTROL PANEL FOR RF COLLECTOR WITH PLC CONTROL				 Donaldson Industrial Group Minneapolis, MN			
			DATE									
			EXP DATE		NUMBER SD# 18963192 241709-2							
			DWN S. JORDY									
REFERENCE			DATE 5-27-25		SCALE NA SHEET 3 OF 9 REVISION 0				IAF			
			CHK M. PHILLIPS									
PREVIOUS DRAWING NO.			DATE 5-27-25		c/c CACD ACAD		SECTIONAL SIZE OUTLINE SIZE		DESIGN CONTROL A004 DWG LOCATION A101		VERSION A	
			DATE		THIRD ANGLE PROJECTION 		All rights to manufacture, copy, reproduce, or dispose of this drawing or its contents are reserved unless otherwise specified in writing by Donaldson Company, Inc.					



Donaldson
Industrial Group
Minneapolis, MN

IAF

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APPROVAL

DATE SENT: 5-27-25

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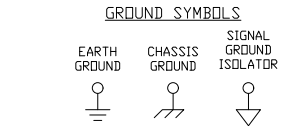
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			CHK M. PHILLIPS											
DO NOT SCALE			DATE		SECTIONAL SIZE		OUTLINE SIZE		DESIGN CONTROL A004		DWG LOCATION A101		VERSION A	
			THIRD ANGLE PROJECTION											
TOLERANCES UNLESS OTHERWISE SPECIFIED			2 PL ± 3 PL ± ANGLES ±											
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VFD2 (FP605) SETTINGS W/ VFD ENABLE

PARAMETER	SETTING	DESCRIPTION
B1-01	0	FREQUENCY REFERENCE SELECTION = KEYPAD
B1-04	1	REVERSE OPERATION - DISABLED
* C1-01	30	ACCEL TIME #1 (SEC)
* C1-02	130	DECEL TIME #1 (SEC)
* D1-01	40	FREQUENCY REFERENCE 1 (HZ)
D1-02	45	FREQUENCY REFERENCE 2 (HZ)
D1-03	50	FREQUENCY REFERENCE 3 (HZ)
D1-04	60	FREQUENCY REFERENCE 4 (HZ)
D1-17	30	JOG SPEED (HZ)
* D2-02	50	FREQ. REF LOWER LIMIT (%)
D4-01	1	FREQ. REF HOLD - ENABLED
* E1-01	480	INPUT VOLTAGE (V)
E1-03	1	V/F PATTERN SELECTION
** E1-04	60	MAX OUTPUT FREQ. (HZ)
** E1-05	460	MAX VOLTAGE (V)
** E2-01	65	MOTOR RATED CURRENT (A)
** E2-04	4	# OF POLES
*** H1-03	25	EXTERNAL FAULT (NO VOLTAGE AT VFD TERMINAL S3)
H1-05	3	MULTI-STEP SPEED REFERENCE 1
H1-06	4	MULTI-STEP SPEED REFERENCE 2
H2-01	0	ENERGIZE OUTPUT M1-M2 WHEN RUNNING
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L8-35	1	INSTALLATION METHOD = SIDE BY SIDE MOUNTING

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** = AT INSTALLATION, FIELD TECH TO VERIFY PARAMETER SETTINGS WITH MOTOR NAMEPLATE INFORMATION

*** = SEE VFD FAULT CODE NOTE

RPM	# OF POLES
1250	6
1750	4
3450	2

EF3 VFD FAULT CODE NOTE

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