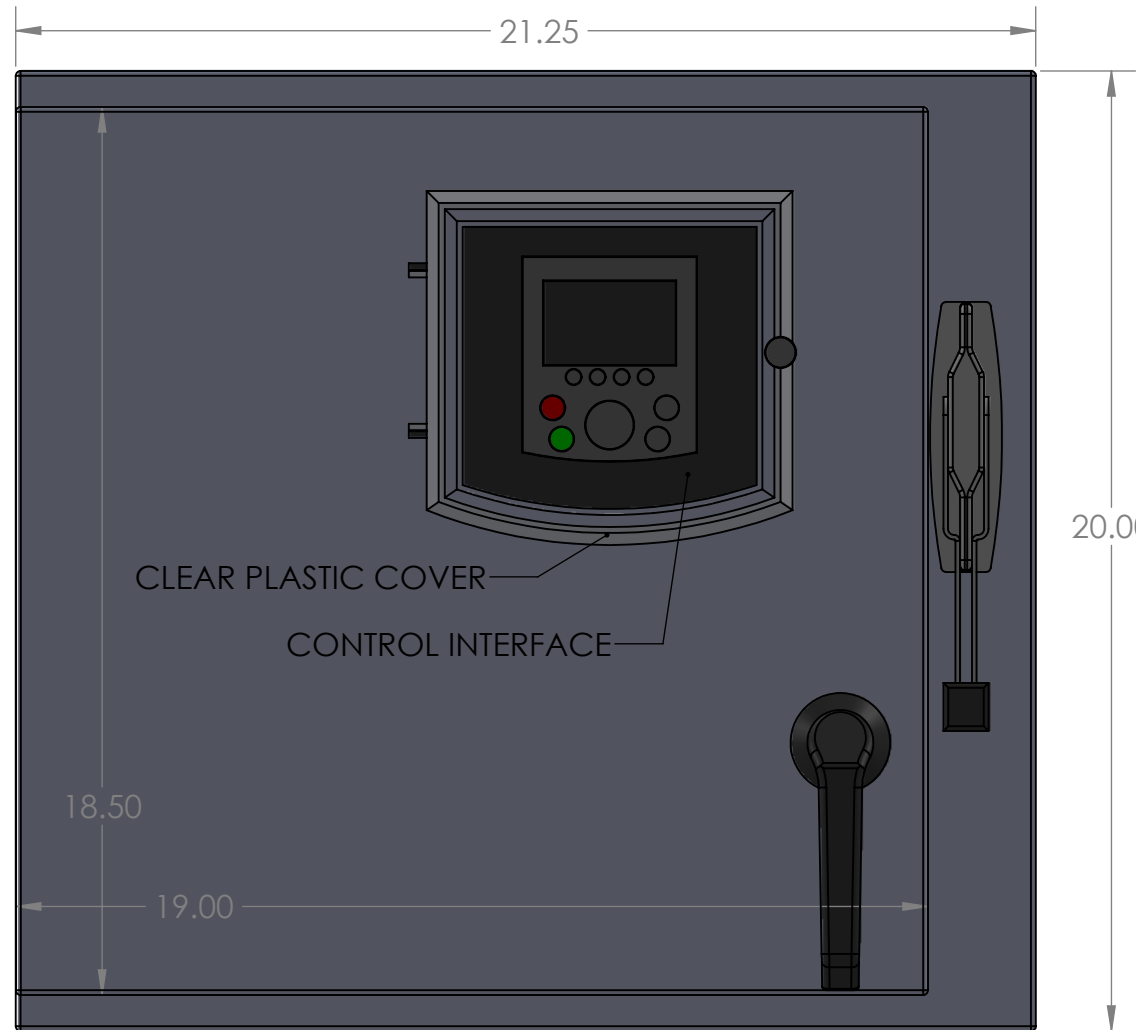


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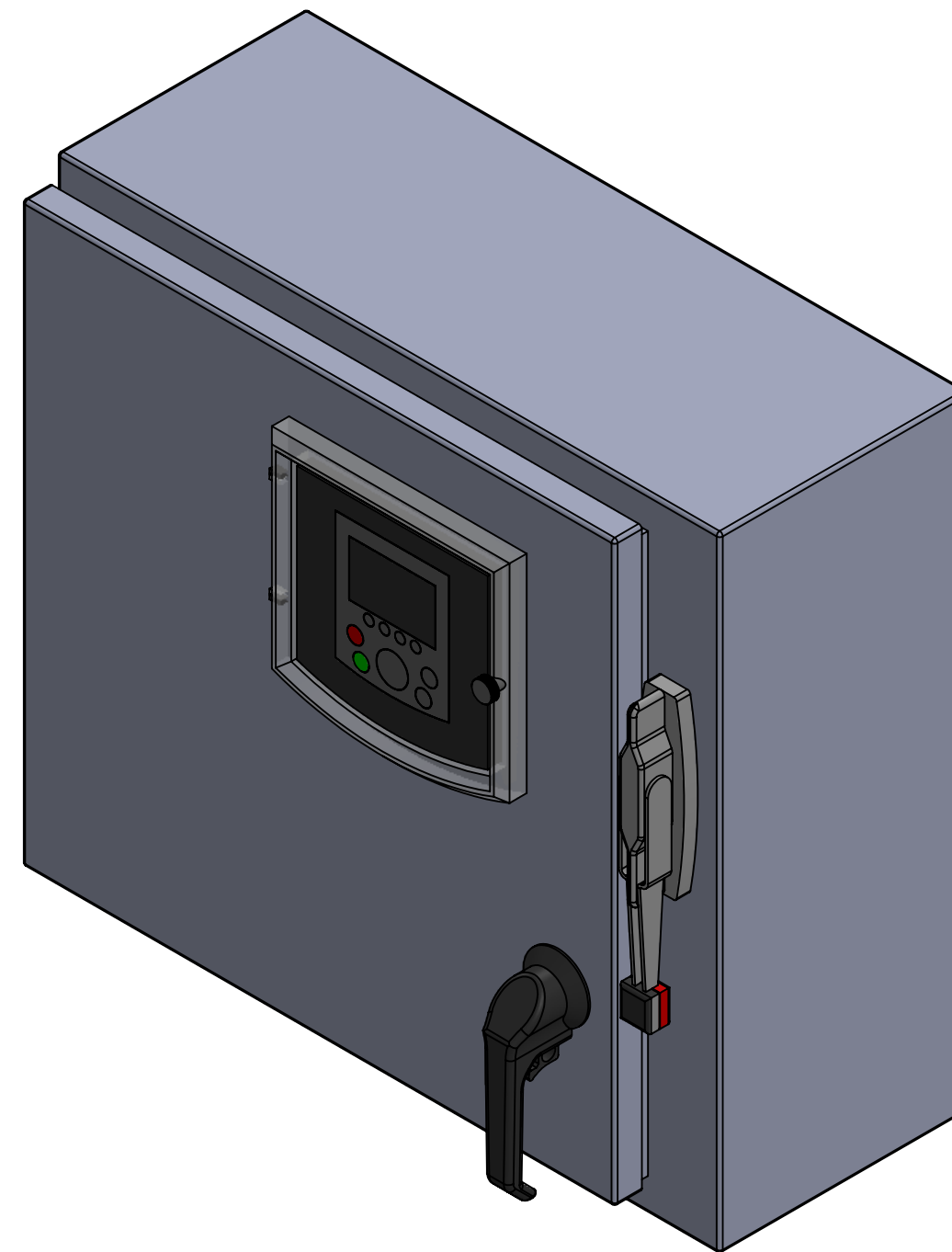
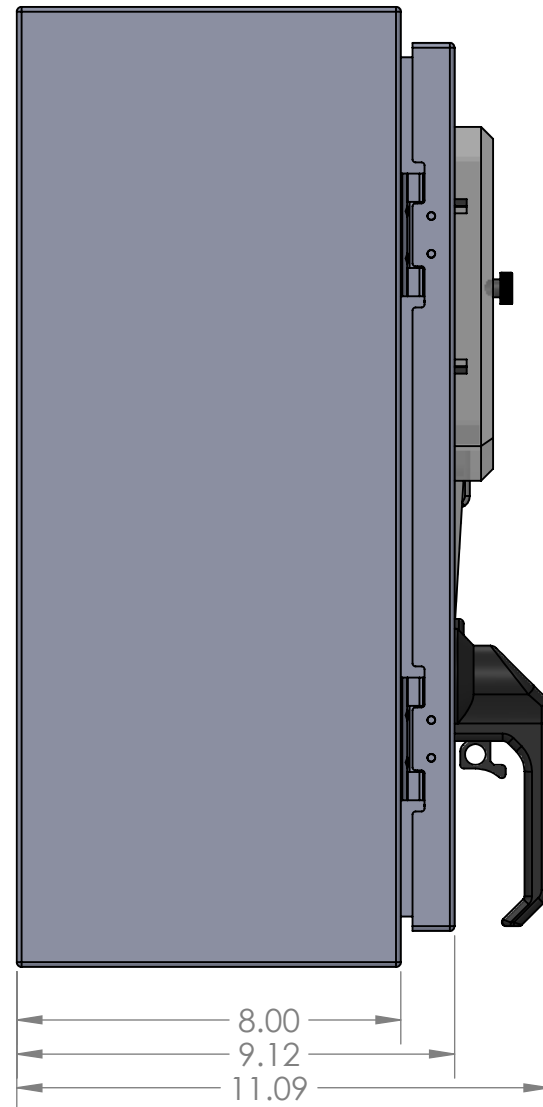
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UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES		DRAWN	RC
TOLERANCES:		CHECKED	JT
FRACTIONAL ±		ENG APPR.	JT
ANGULAR: MACH ± BEND ±		MFG APPR.	JT
TWO PLACE DECIMAL ±		Q.A.	JD
THREE PLACE DECIMAL ±			

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MATERIAL	
FINISH	
DO NOT SCALE DRAWING	



TITLE:
Doors Closed

SIZE	DWG. NO.	REV
B	VFDIB115	
SCALE: 1:8	WEIGHT:	SHEET 1 OF 2

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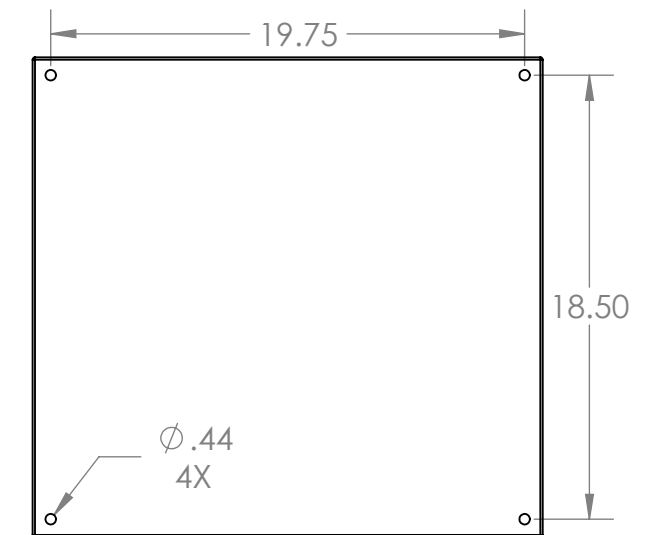
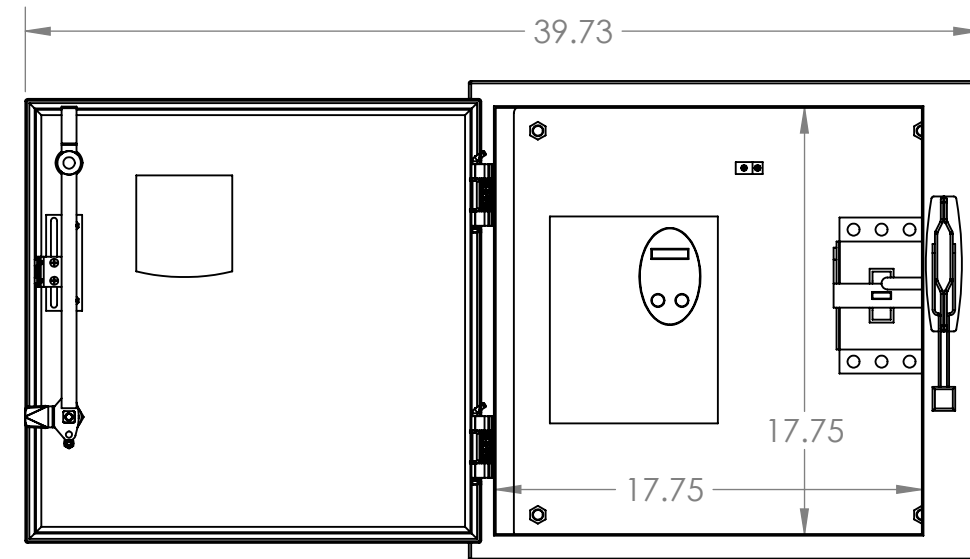
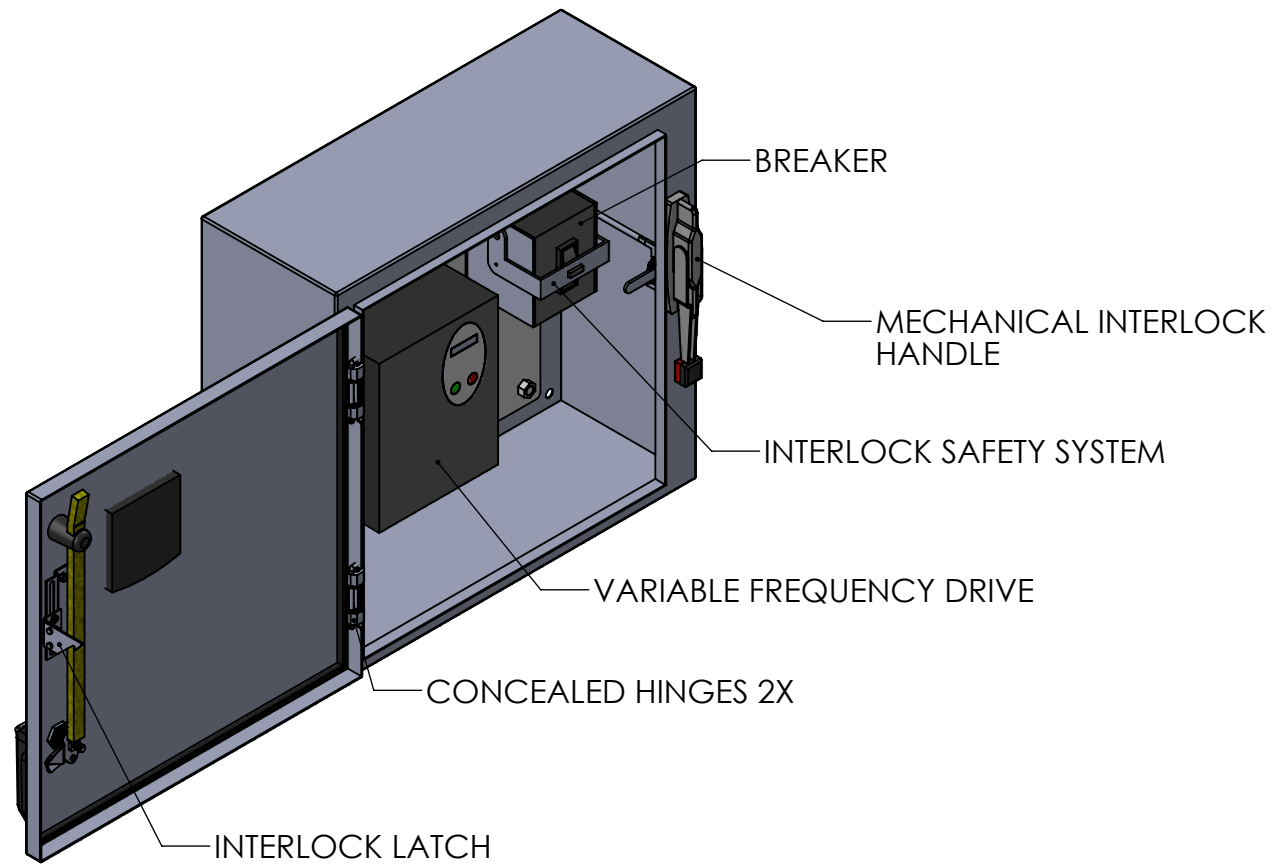
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REAR VIEW
[MOUNTING HOLES]

Configuration Table

PART #	HP	VOLTAGE	PHASE	BREAKER	NEMA	ENCLOSURE
VFD-012083R	1	208	3	15	3R	20H x 21W x 8D
VFD-032083R	3	208	3	15	3R	20H x 21W x 8D
VFD-052083R	5	208	3	25	3R	20H x 21W x 8D
VFD-102083R	10	208	3	40	3R	20H x 21W x 8D
VFD-152083R	15	208	3	60	3R	20H x 21W x 8D
VFD-014803R	1	480	3	15	3R	20H x 21W x 8D
VFD-034803R	3	480	3	15	3R	20H x 21W x 8D
VFD-054803R	5	480	3	15	3R	20H x 21W x 8D
VFD-104803R	10	480	3	20	3R	20H x 21W x 8D
VFD-154803R	15	480	3	30	3R	20H x 21W x 8D

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UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL \pm
ANGULAR: MACH \pm BEND \pm
TWO PLACE DECIMAL \pm
THREE PLACE DECIMAL \pm

INTERPRET GEOMETRIC TOLERANCING PER:

MATERIAL

FINISH

DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	RC	
CHECKED	JT	
ENG APPR.	JT	
MFG APPR.	JT	
Q.A.	JD	



TITLE:

DOORS OPEN
INTERNAL DETAILS

SIZE DWG. NO. REV

B VFDIB115

SCALE: 1:8 WEIGHT: SHEET 2 OF 2

4

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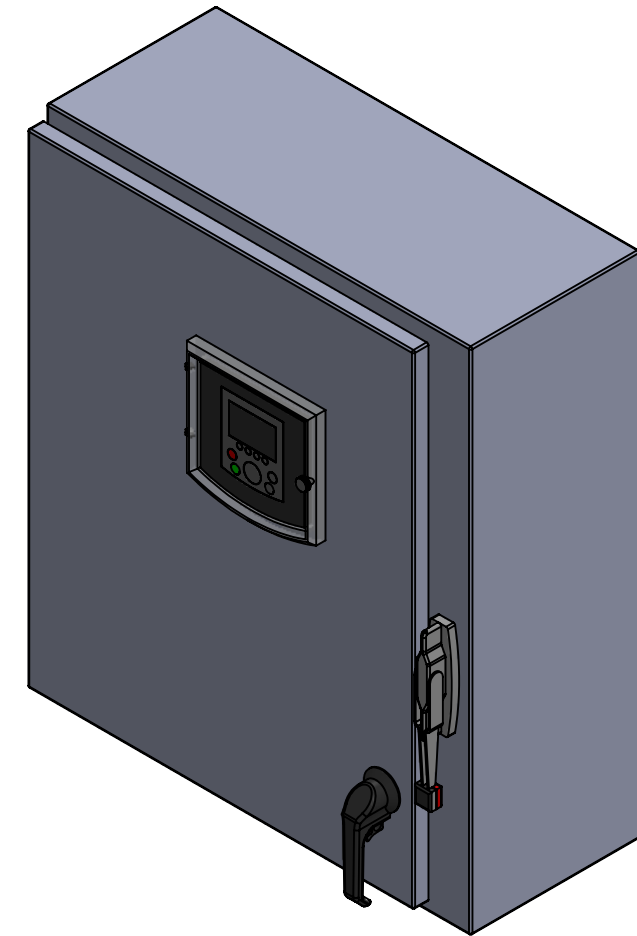
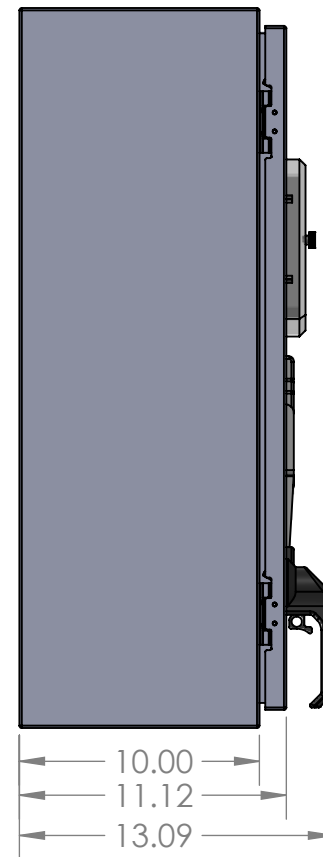
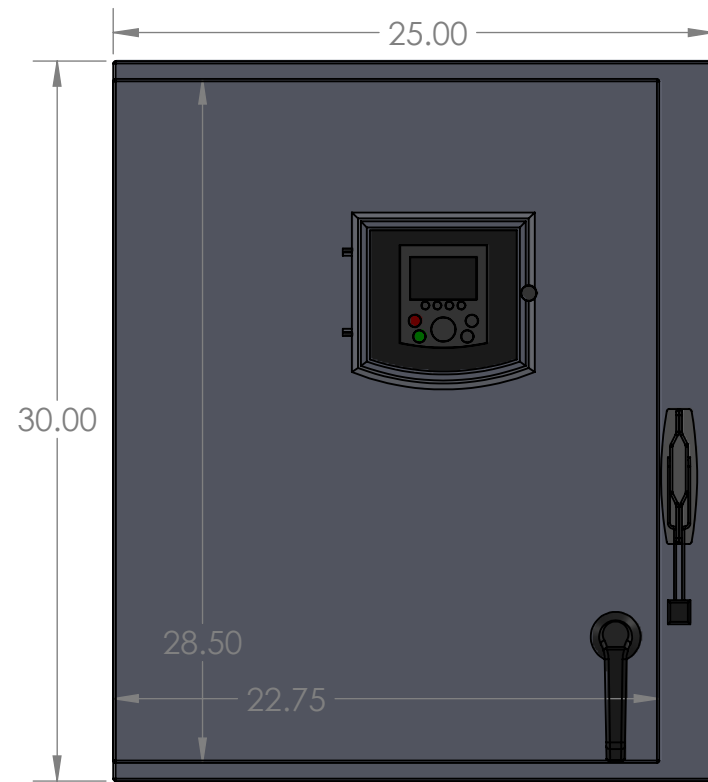
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UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES		DRAWN	RC
TOLERANCES:		CHECKED	JT
FRACTIONAL ±		ENG APPR.	JT
ANGULAR: MACH ± BEND ±		MFG APPR.	JT
TWO PLACE DECIMAL ±		Q.A.	JD
THREE PLACE DECIMAL ±			

TITLE:
DOORS CLOSED


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INTERPRET GEOMETRIC TOLERANCING PER:

MATERIAL

FINISH

DO NOT SCALE DRAWING



SIZE	DWG. NO.	REV
B	VFDIB2030	
SCALE: 1:8	WEIGHT:	SHEET 1 OF 2

4

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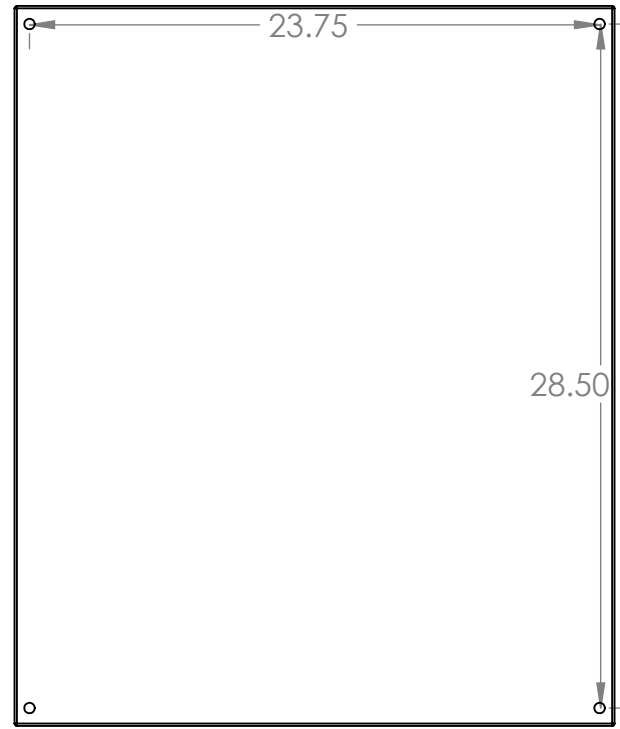
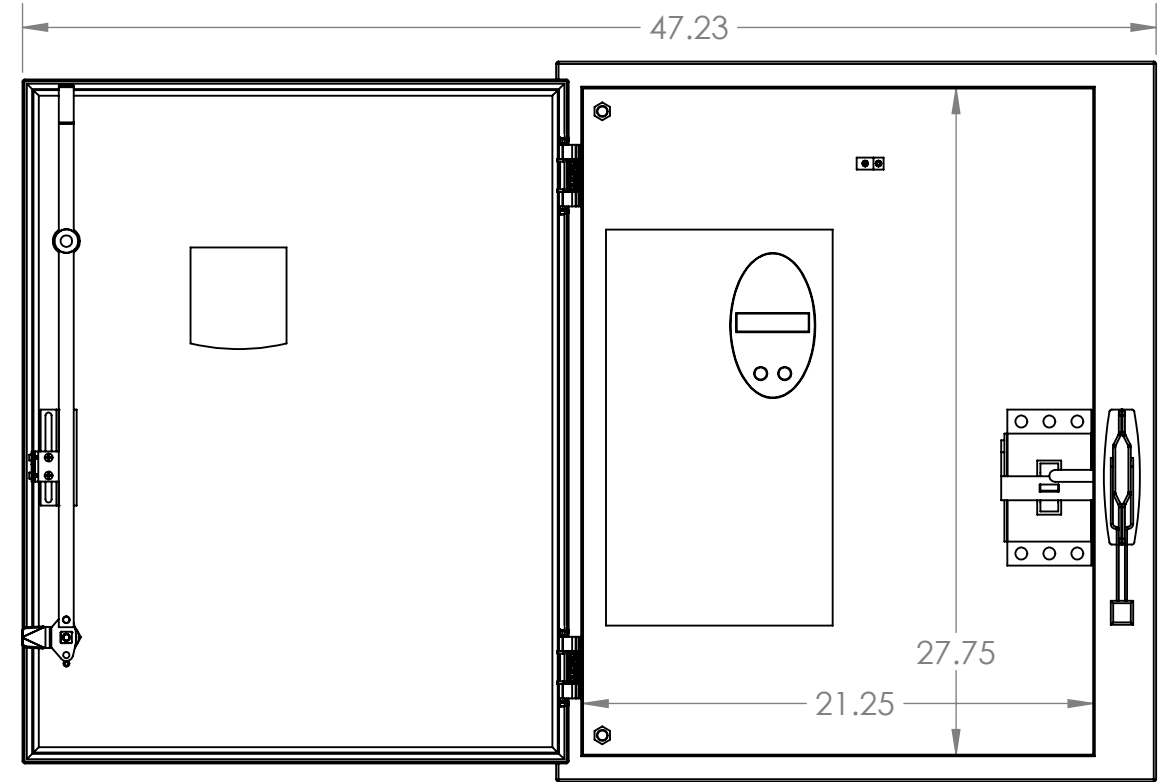
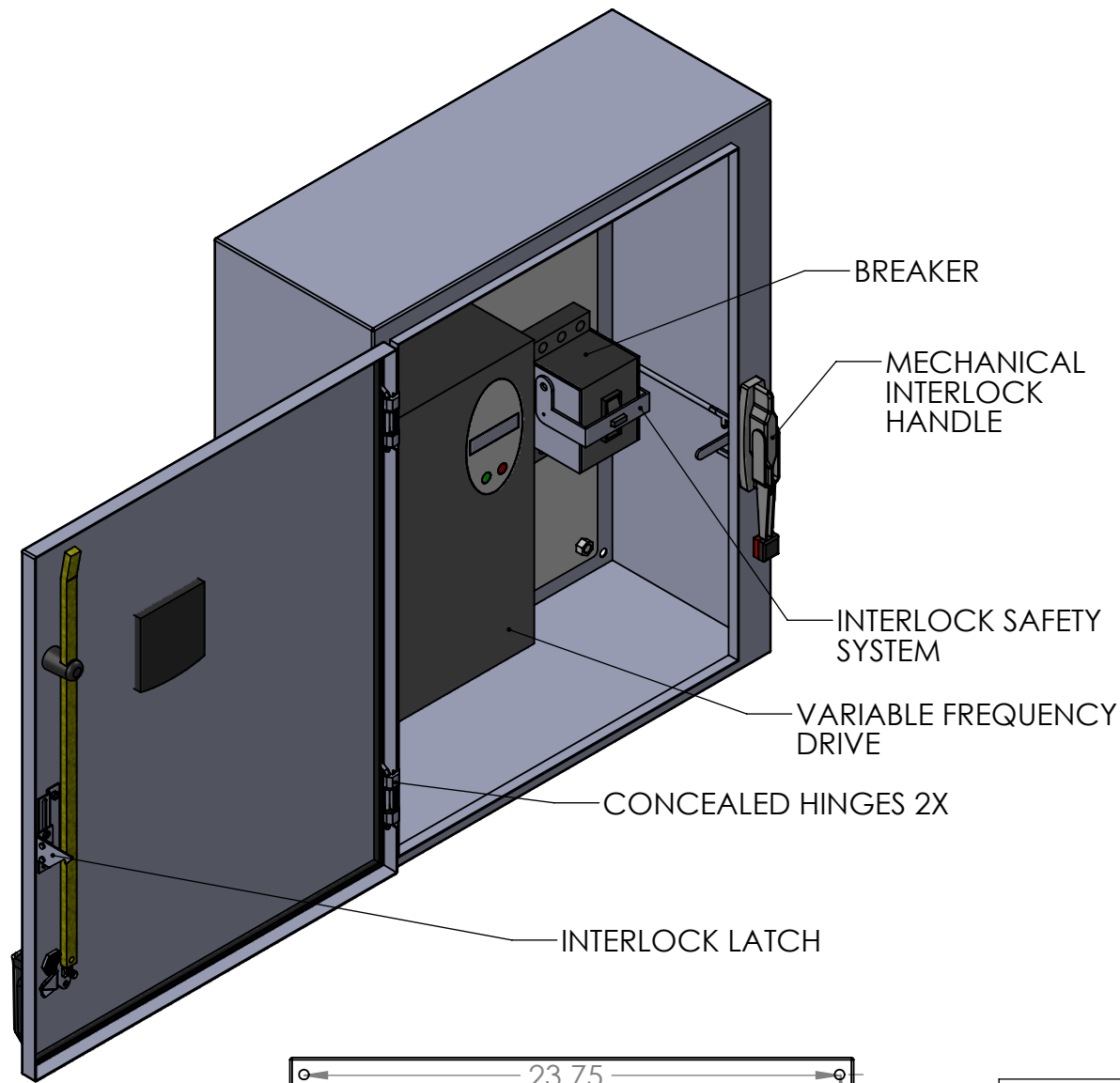
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REAR VIEW [MOUNTING HOLES]

CONFIGURATION TABLE

PART #	HP	VOLTAGE	PHASE	BREAKER	NEMA	ENCLOSURE
VFD-202083R	20	208	3	80	3R	30H x 25W x 10D
VFD-302083R	30	208	3	110	3R	30H x 25W x 10D
VFD-204803R	20	480	3	40	3R	30H x 25W x 10D
VFD-304803R	30	480	3	60	3R	30H x 25W x 10D

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UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DIMENSIONS ARE IN INCHES	DRAWN	RC
TOLERANCES:	CHECKED	JT
FRACTIONAL ±	ENG APPR.	JT
ANGULAR: MACH ± BEND ±	MFG APPR.	JT
TWO PLACE DECIMAL ±	Q.A.	JD
THREE PLACE DECIMAL ±		
INTERPRET GEOMETRIC TOLERANCING PER:		
MATERIAL		
FINISH		
DO NOT SCALE DRAWING		

TITLE:
**DOORS OPEN
INTERNAL DETAIL**

SIZE DWG. NO. REV
B VFDIB2030

SCALE: 1:8 WEIGHT: SHEET 2 OF 2

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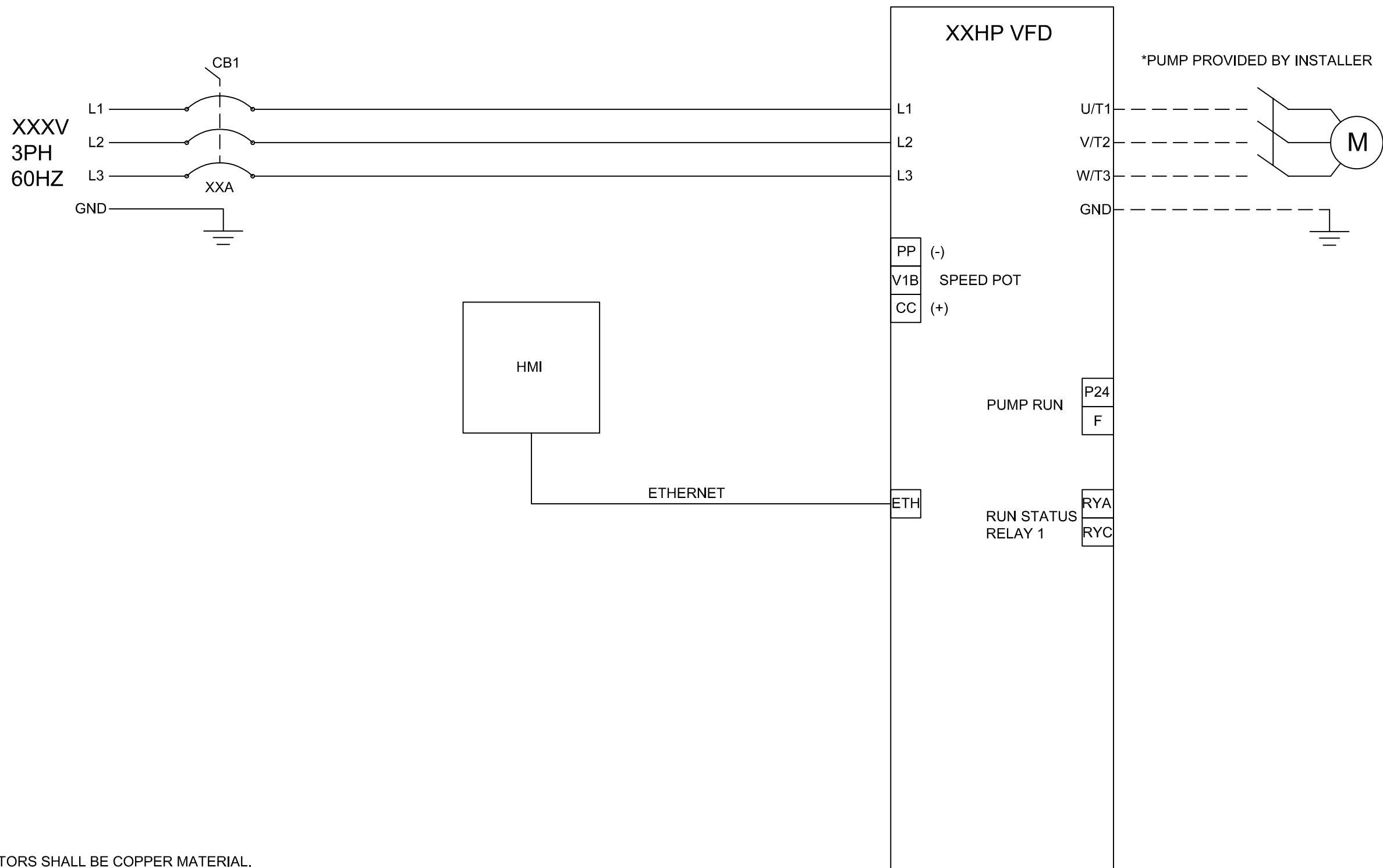
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- NOTES:
1. ALL FIELD WIRING CONDUCTORS SHALL BE COPPER MATERIAL.
 2. ALL FIELD WIRING CONDUCTORS SHALL BE MINIMUM 60° C RATED FOR UP TO 100 AMPS AND 75° C RATE FOR 100A AND GREATER.
 3. TIGHTENING TORQUE FOR SLOTTED HEAD SCREWS NO. 10 OR LARGER FOR WITH SLOT LENGTH 1/4" OR LESS SHALL BE 20 POUND-INCHES.
 4. TIGHTENING TORQUE FOR SLOTTED HEAD SCREWS NO. 10 OR LARGER FOR WITH SLOT LENGTH OVER 1/4" SHALL BE 35 POUND-INCHES.
 5. TIGHTENING TORQUE FOR SOCKET HEAD SCREW SIZE 3/16" SHALL BE 120 POUND-INCHES.
 6. TIGHTENING TORQUE FOR SOCKET HEAD SCREW SIZE 5/16" SHALL BE 275 POUND-INCHES.
 7. CONDUIT FITTINGS USED FOR PENETRATIONS TO BE NEMA 3R TO MAINTAIN NEMA RATING OF ENCLOSURE

#	DATE	IN	CHANGE



ENGINEERING & SWITCHGEAR
PROJECTS GROUP
*"Striving for excellence while
providing solutions"*

TITLE: CONTROL PANEL - XX HP VFD
WIRING SCHEMATIC

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DRAWING #: VFD-GEN
SHEET #: 1 OF 1
DESIGN BY: JT
DATE: 05-20-16