

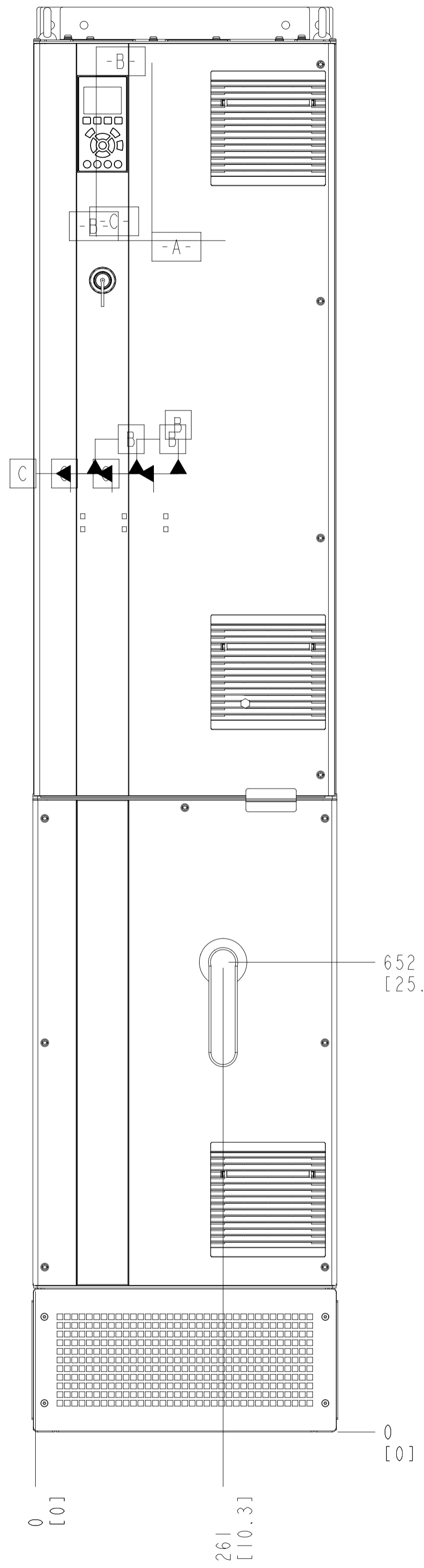
1. MAX AIRFLOW (BACKCHANNEL) - 14 M<sup>3</sup> / MIN (500 CFM)
2. MAX AIRFLOW (CABINET) - 3.4 M<sup>3</sup> / MIN (120 CFM)
3. MAX WEIGHT = 185 KG (407 LBS)
4. CENTER OF GRAVITY:  
APPROXIMATE LOCATION ONLY, LOCATION MAY VARY BASED ON POWER RATING AND OPTIONS ORDERED.

NOTE:  
REFER SHEET 2 & 3 FOR EXTENDED OPTION CABINET BUSBAR CONNECTION POINT.  
REFER SHEET 4 FOR WIRING KIT OPTION BUSBAR CONNECTION POINT.

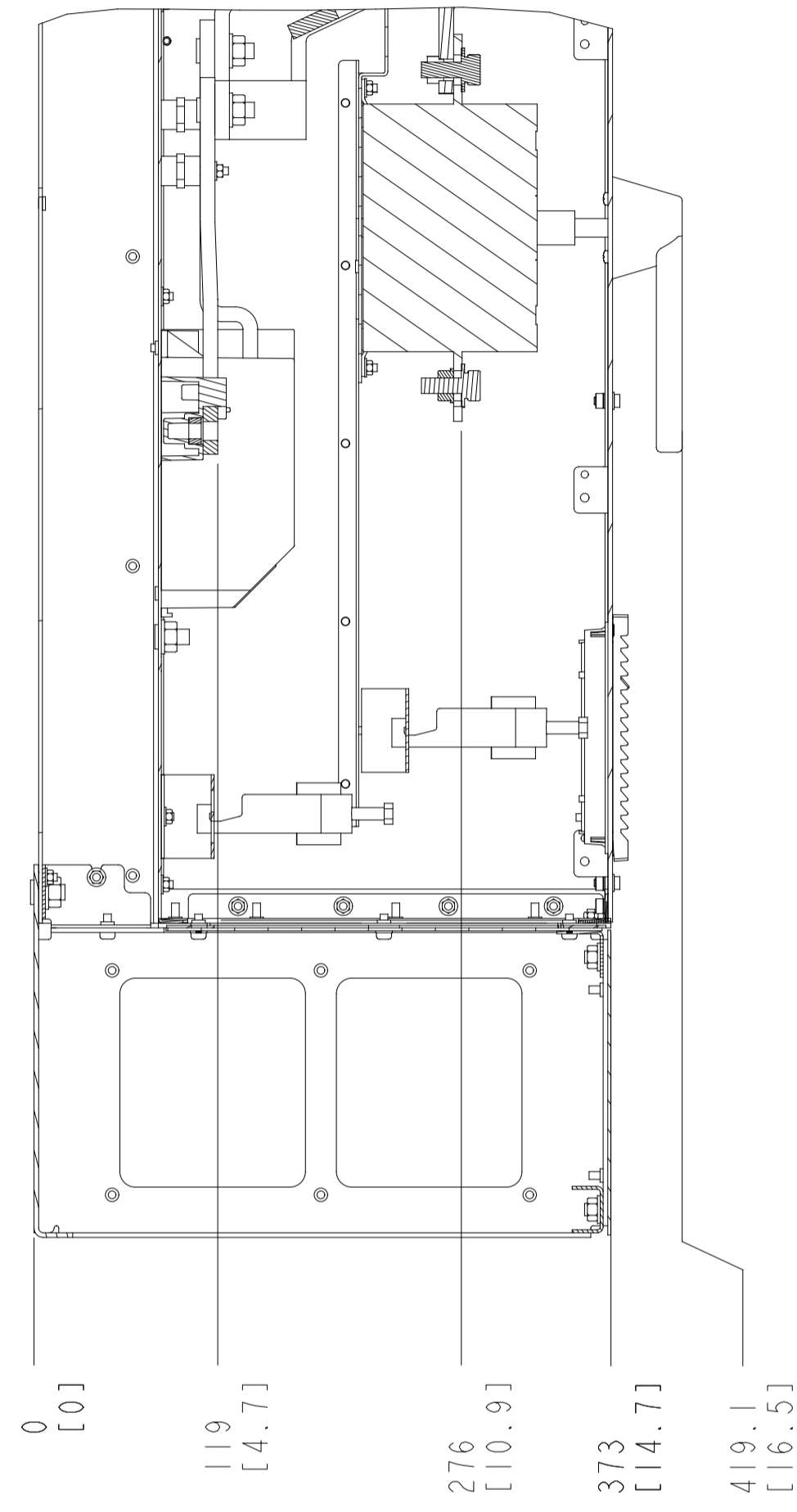
▽ CRITICAL CHARACTERISTICS  
 ▽ KEY CHARACTERISTICS  
 ○ INSPECTION  
 MUST COMPLY TO ROHS DIRECTIVE 2011/65/EU

INTERPRET DIM. & TOL. PER ASME Y14.5M-1994		THIRD ANGLE PROJECTION	SCALE	SIZE	MATERIAL	N/A
ALL DIMENSIONS ARE IN MILLIMETERS			0.150	A1	FINISH	N/A
TOLERANCES UNLESS OTHERWISE SPECIFIED					DESCRIPTION	
±0.10 ±0.50 ±1.0						
<p>— PDM CONTROLLED DRAWING — NOT VALID WITHOUT FROZEN DATE IN ID STAMP</p>						
CHANGED	BY	DATE	INSTALLATION DRAWING, DTH, IP21/54			
DESIGNED	NO	04/02/12				
CHECKED						
<p>CONFIDENTIAL - PROPERTY OF DANFOSS A/S NORBORG, DENMARK. NOT TO BE HANDED OVER TO BE COPIED OR BE USED BY A THIRD PARTY. TWO OR THREE DIMENSIONAL REPRODUCTION OF CONTENTS TO BE AUTHORIZED BY DANFOSS A/S.</p>						
VERSION	177R0492	REV	001			
WORK	P454-1087	SHEET	1 OF 6			

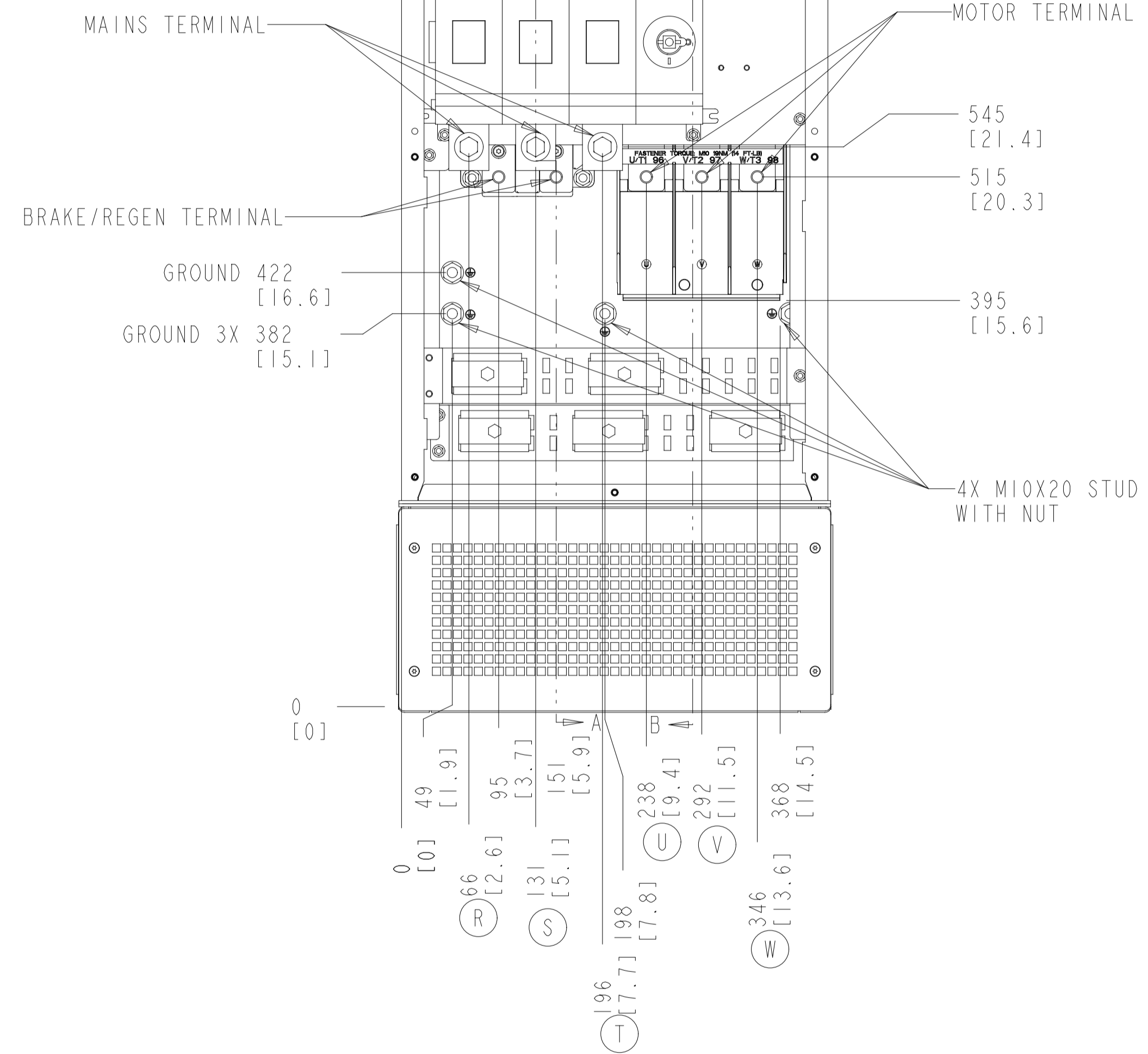
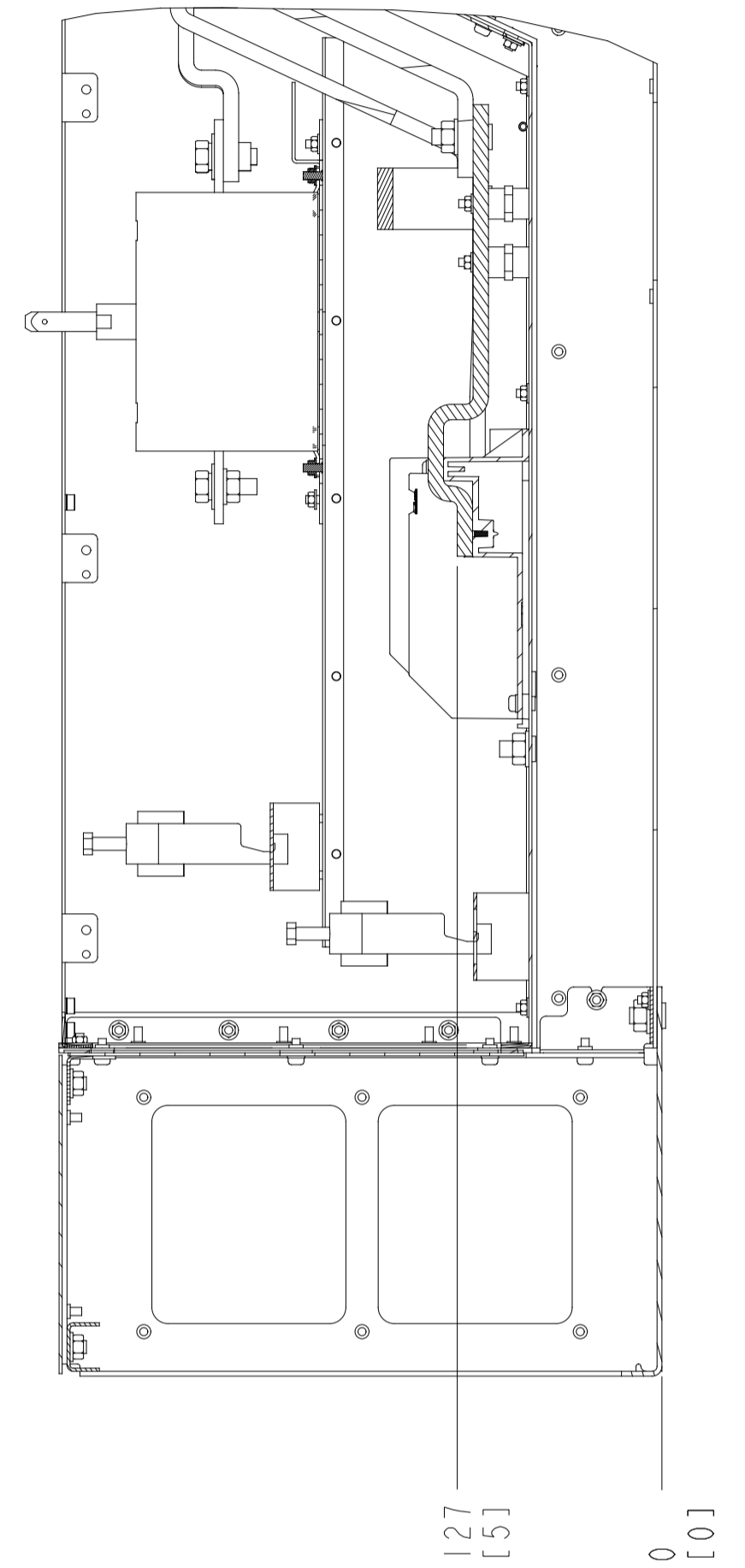
# DISCONNECT ONLY



SECTION A-A  
MAINS TERMINALS  
BRAKE/REGEN TERMINALS



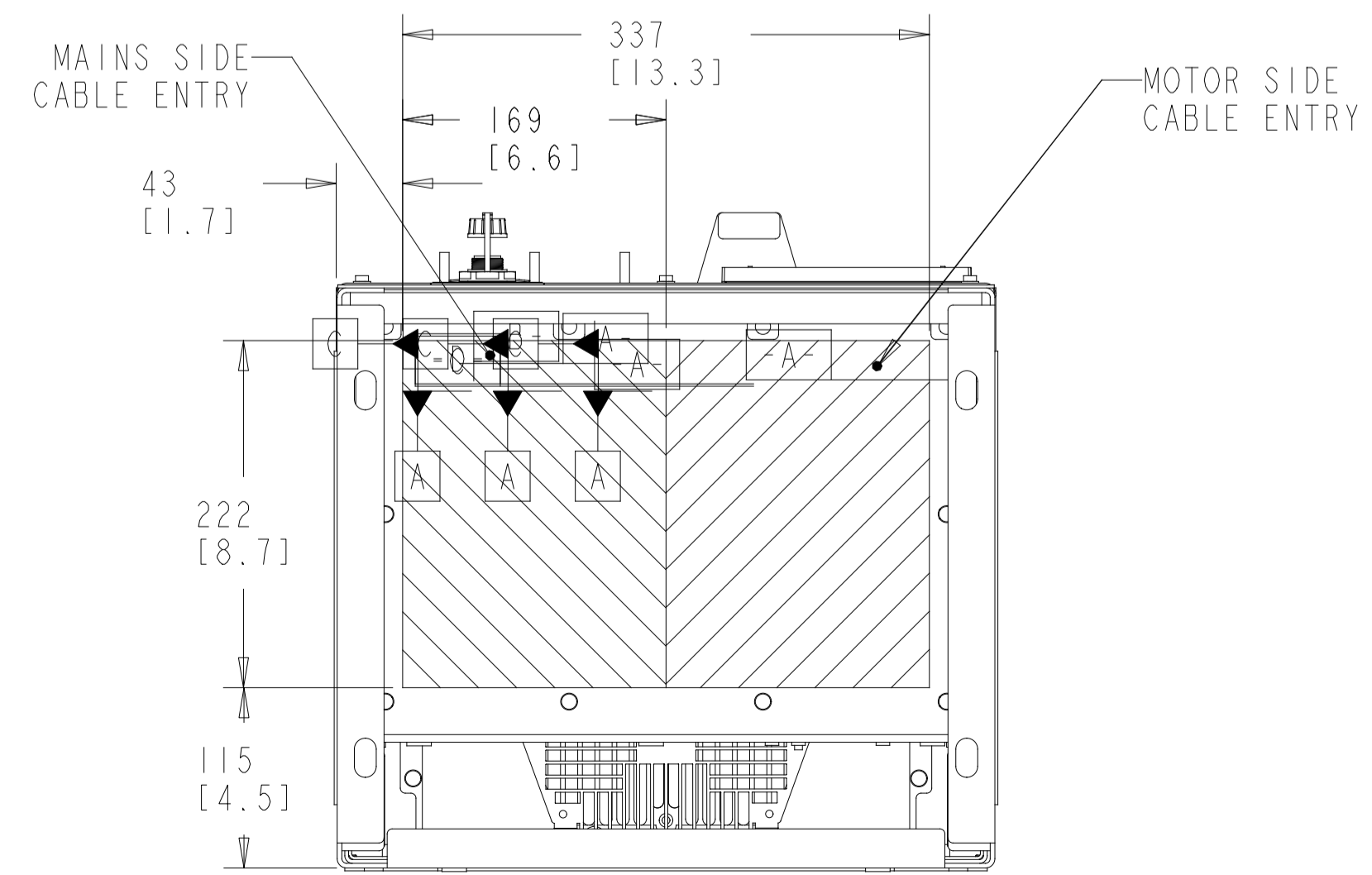
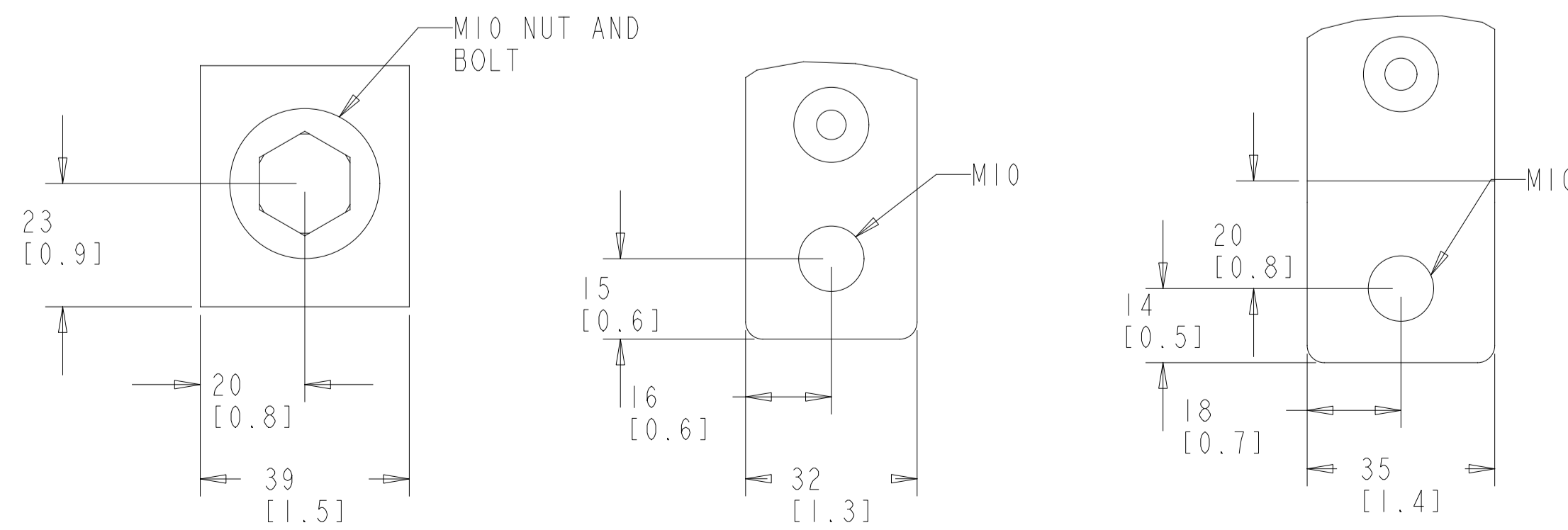
SECTION B-B  
MOTOR TERMINALS



MAINS TERMINAL

BRAKE/REGEN TERMINAL

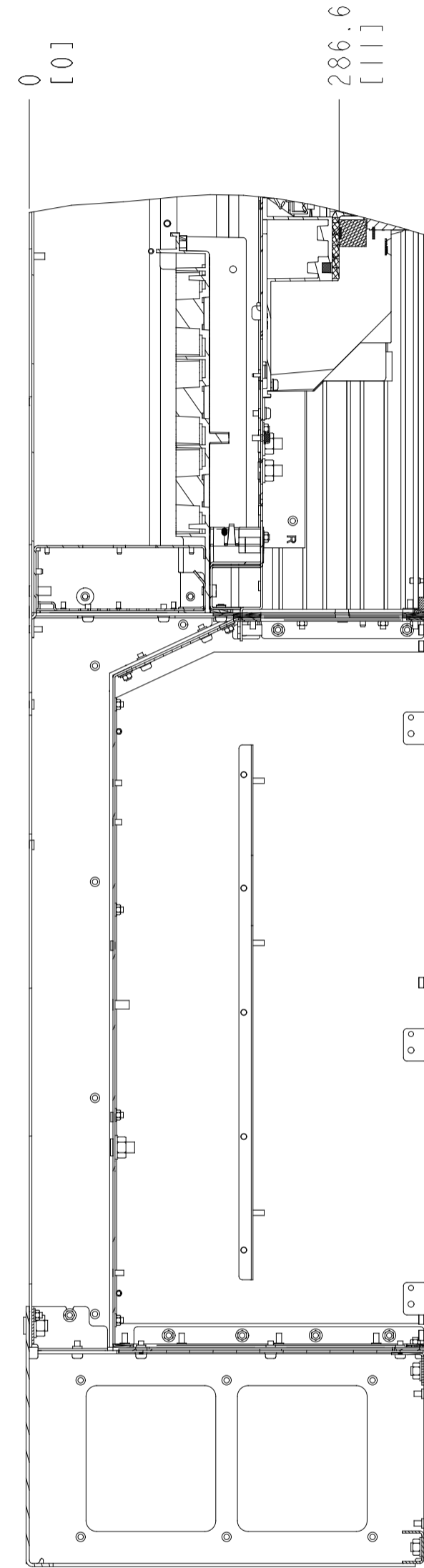
MOTOR TERMINAL



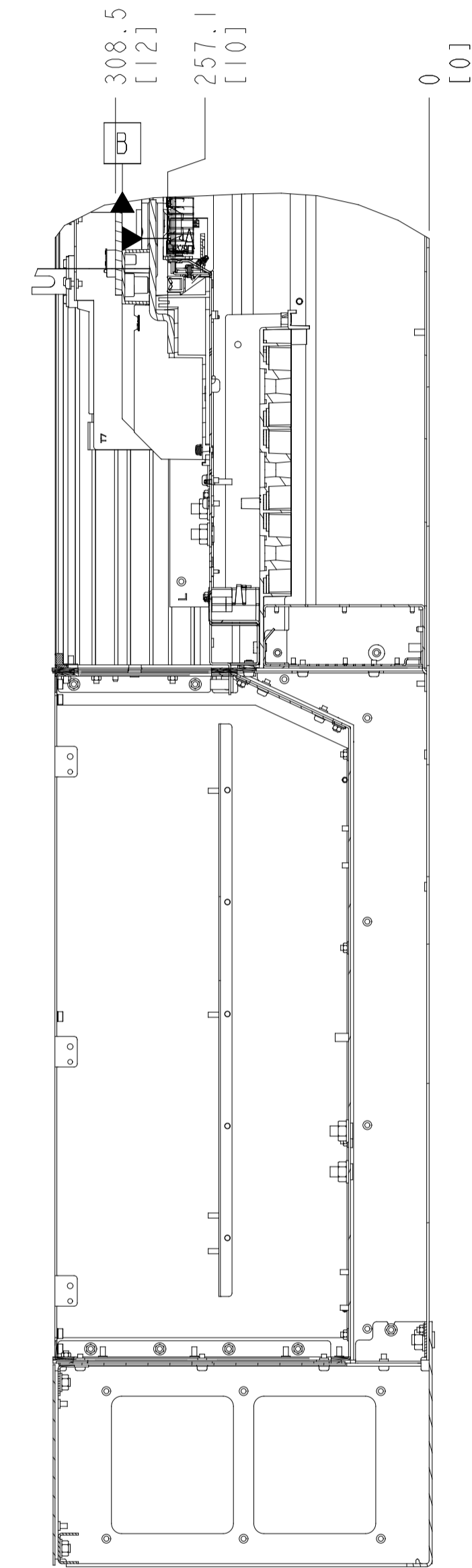
- NOTES:
1. PLACE CABLES THROUGH MARKED AREAS
  2. 185MM<sup>2</sup> (400 MCM) MAX WIRE SIZE

# BRAKE ONLY

SECTION A-A  
MAINS TERMINALS



SECTION B-B  
MOTOR TERMINALS  
BRAKE/REGEN TERMINALS



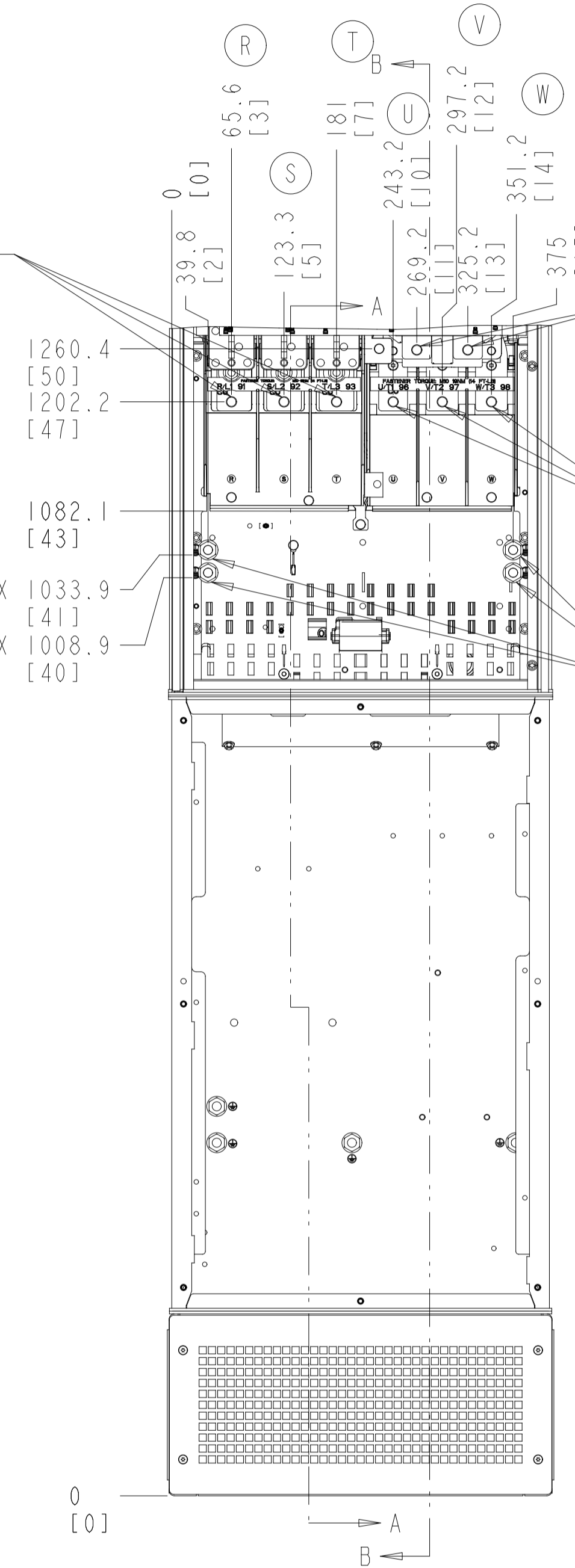
MAINS TERMINAL

BRAKE/REGEN TERMINAL

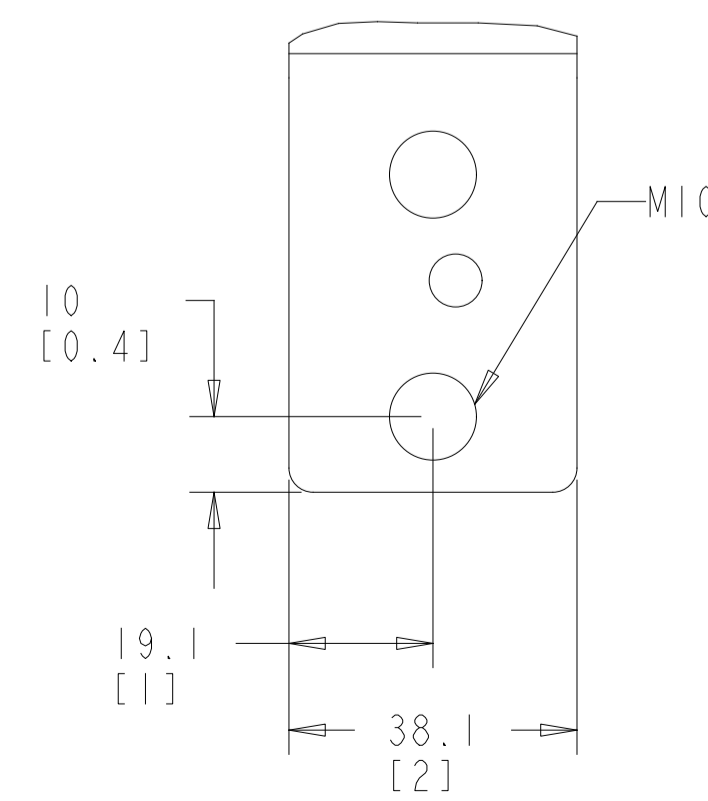
MOTOR TERMINAL

4X M10X20 STUD WITH NUT

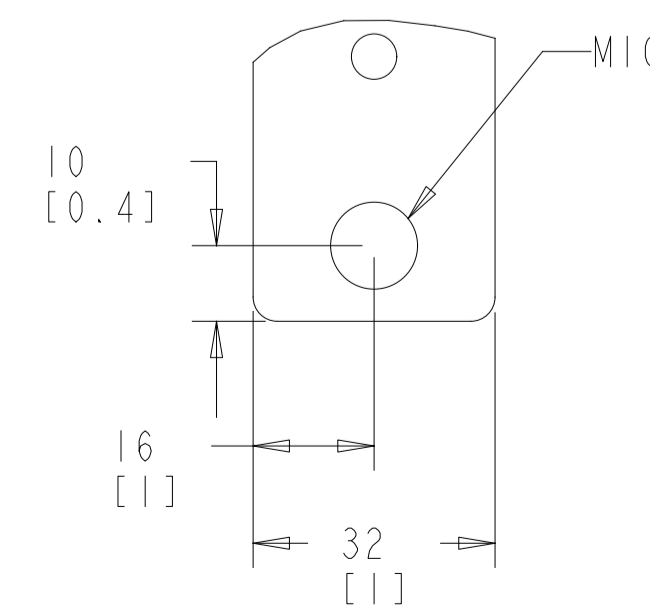
GROUND 2X 1033.9 [41]  
GROUND 2X 1008.9 [40]



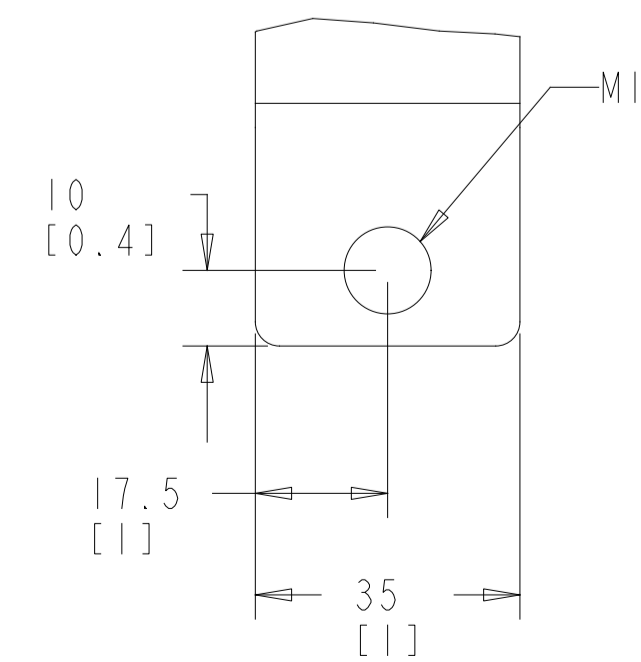
MAINS TERMINAL



BRAKE/REGEN TERMINAL



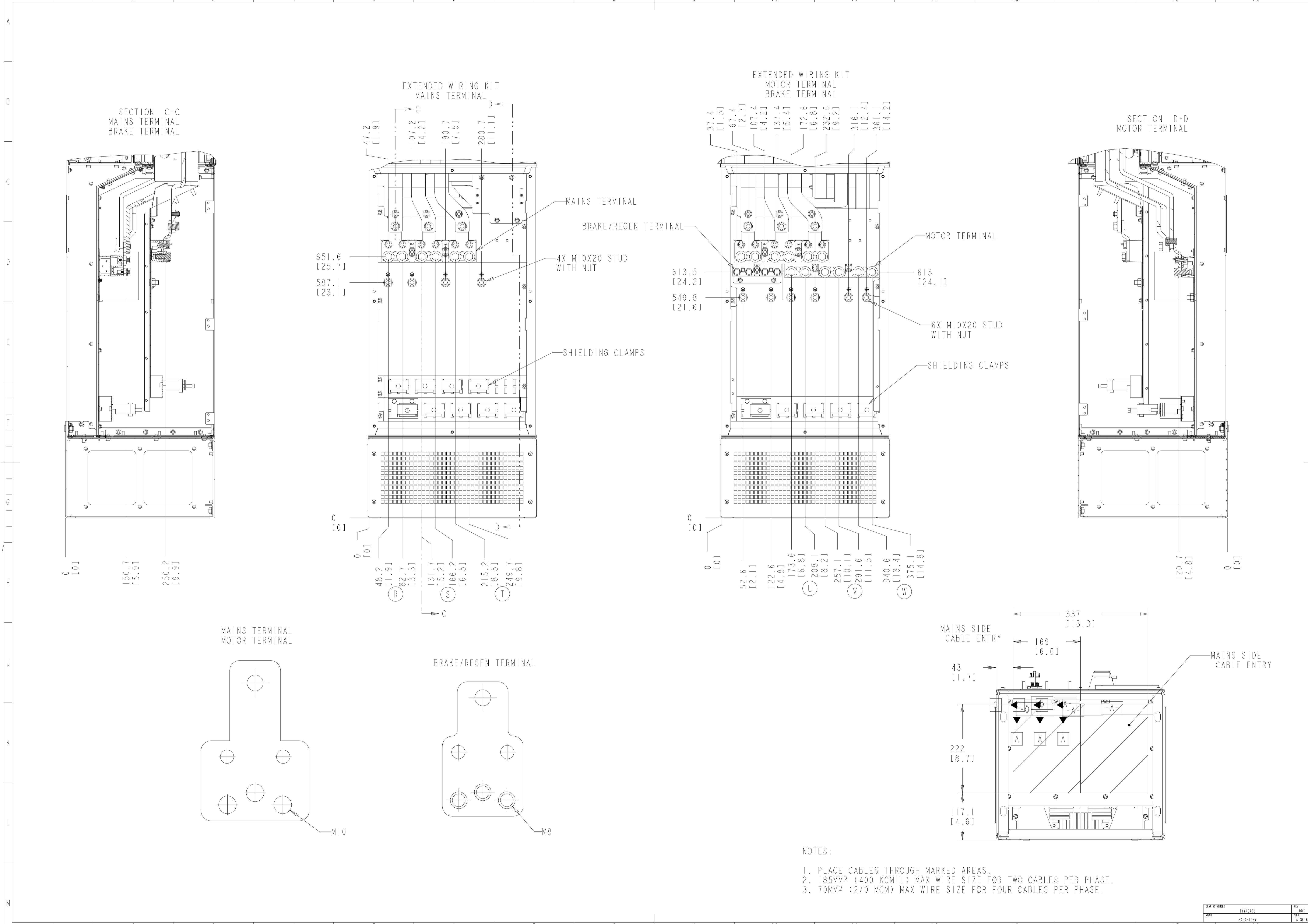
MOTOR TERMINAL



NOTES:

1. 185MM<sup>2</sup> (400 MCM) MAX WIRE SIZE

REVISION NUMBER	177R0492	REV	007
WEEK	P454-1087	SHEET	3 OF 6



SECTION C-C  
MAINS TERMINAL  
BRAKE TERMINAL

EXTENDED WIRING KIT  
MAINS TERMINAL

EXTENDED WIRING KIT  
MOTOR TERMINAL  
BRAKE TERMINAL

SECTION D-D  
MOTOR TERMINAL

MAINS TERMINAL  
MOTOR TERMINAL

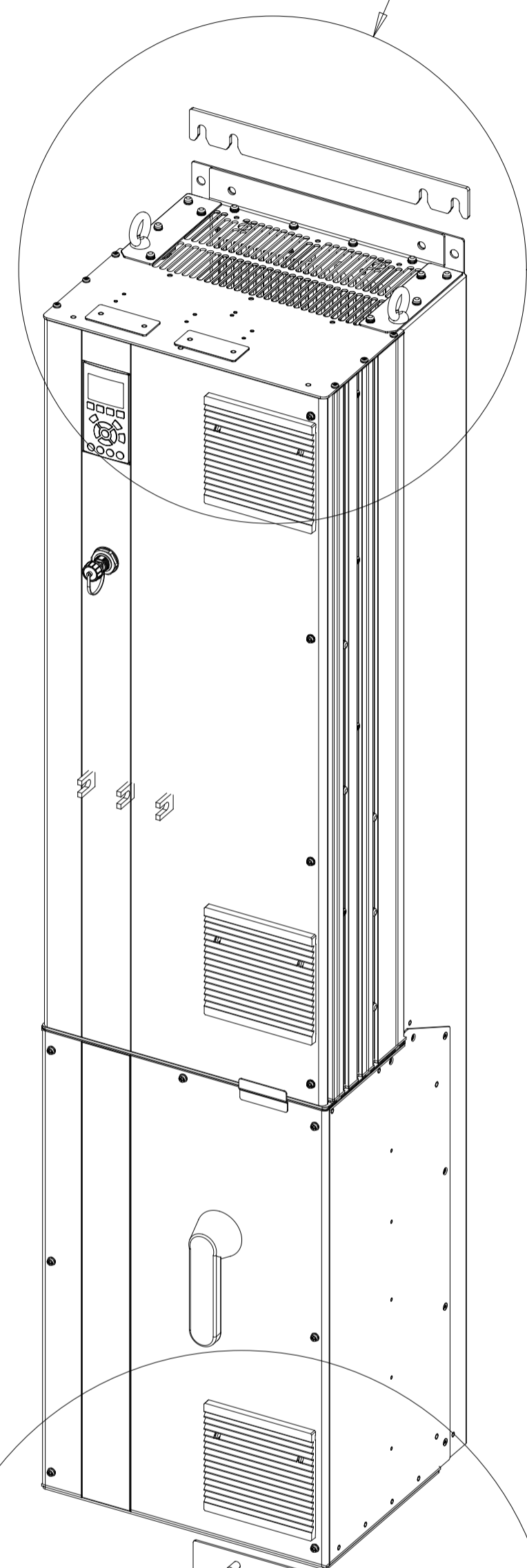
BRAKE/REGEN TERMINAL

NOTES:

1. PLACE CABLES THROUGH MARKED AREAS.
2. 185MM<sup>2</sup> (400 KCMIL) MAX WIRE SIZE FOR TWO CABLES PER PHASE.
3. 70MM<sup>2</sup> (2/0 MCM) MAX WIRE SIZE FOR FOUR CABLES PER PHASE.

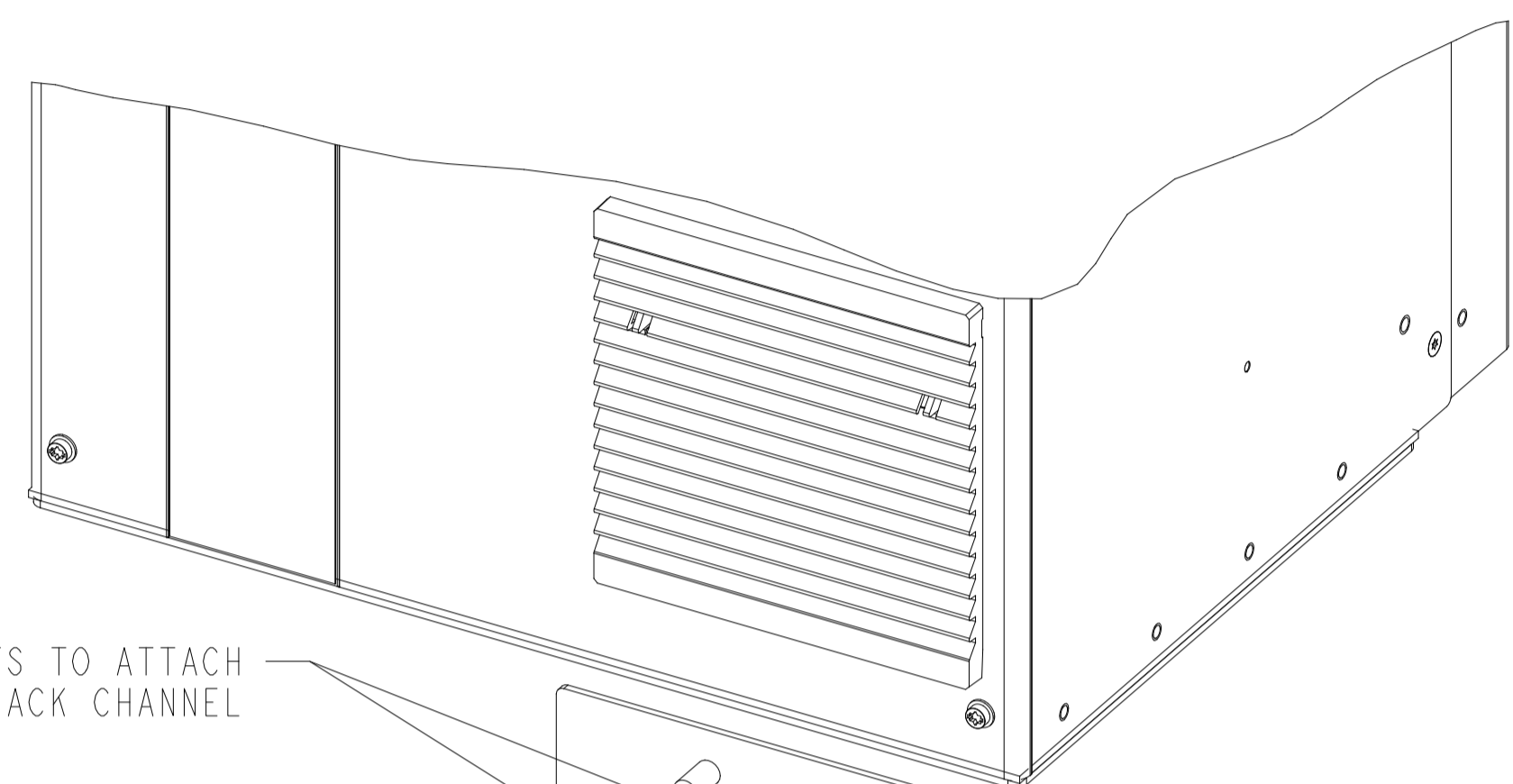
# PEDESTAL INSTALLATION

SEE DETAIL C

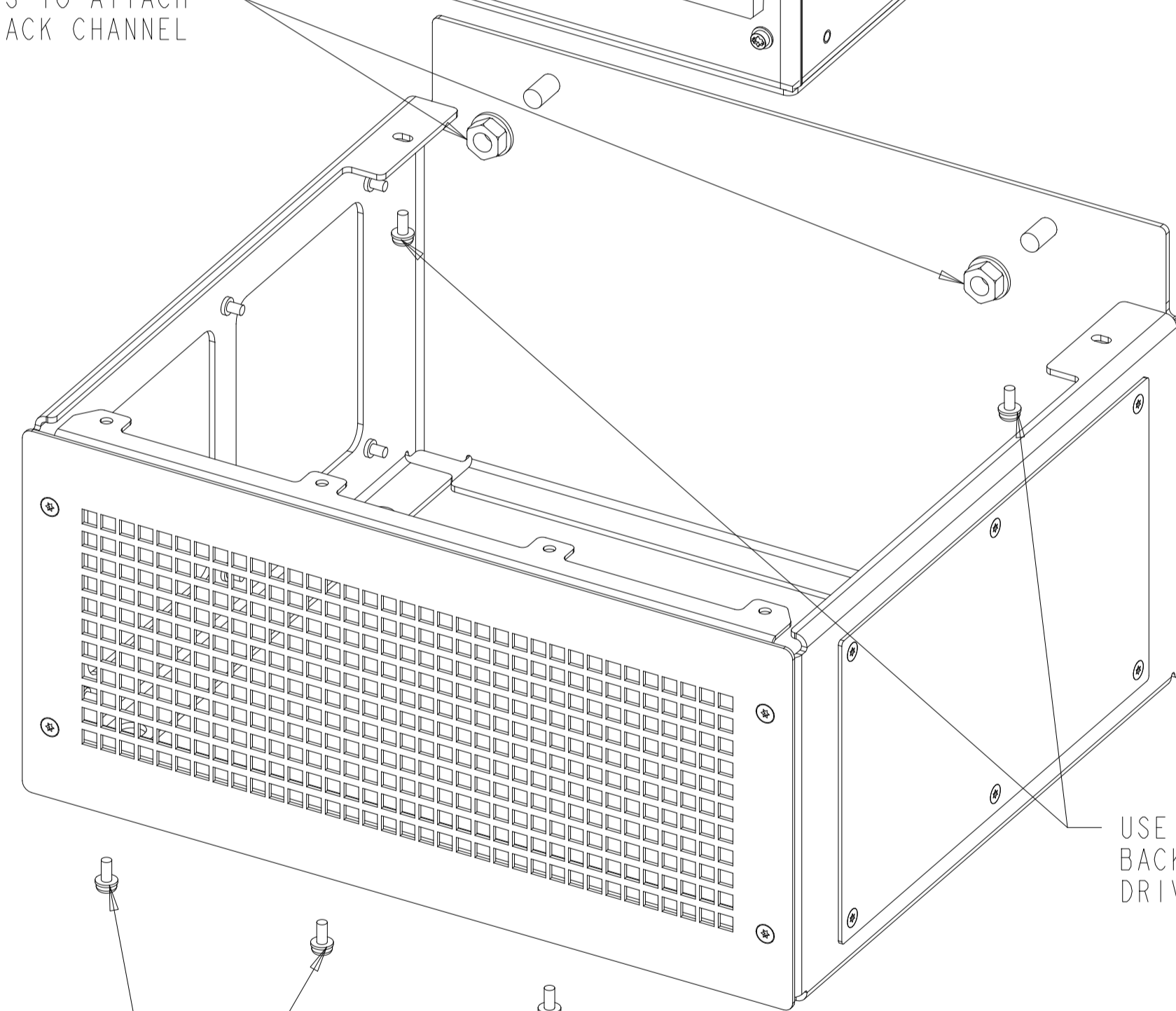


SEE DETAIL B

USE (2) 26516 M10 NUTS TO ATTACH  
PEDESTAL TO DRIVE BACK CHANNEL

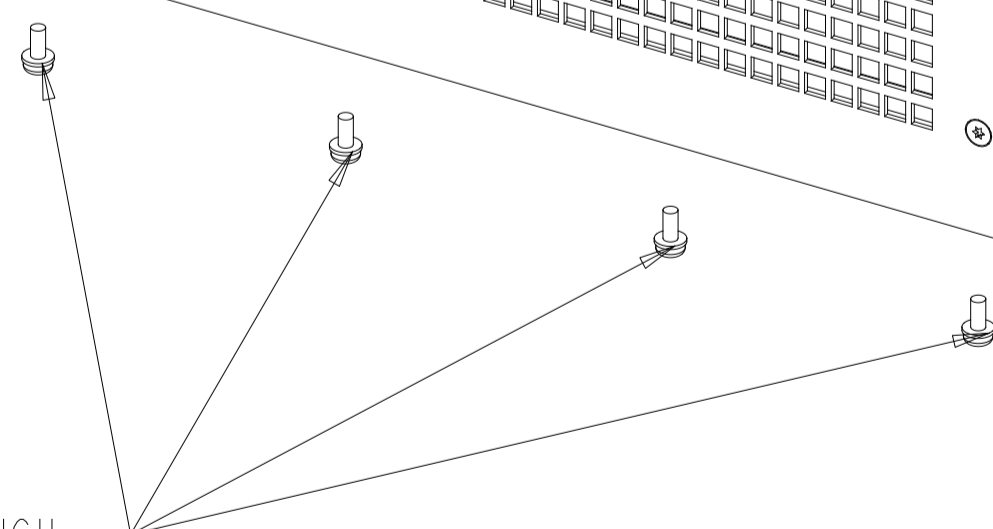


USE (2) 681X9143 M5 SCREWS THROUGH  
BACK PEDESTAL FLANGE INTO PEDESTAL  
DRIVE MOUNTING BRACKET

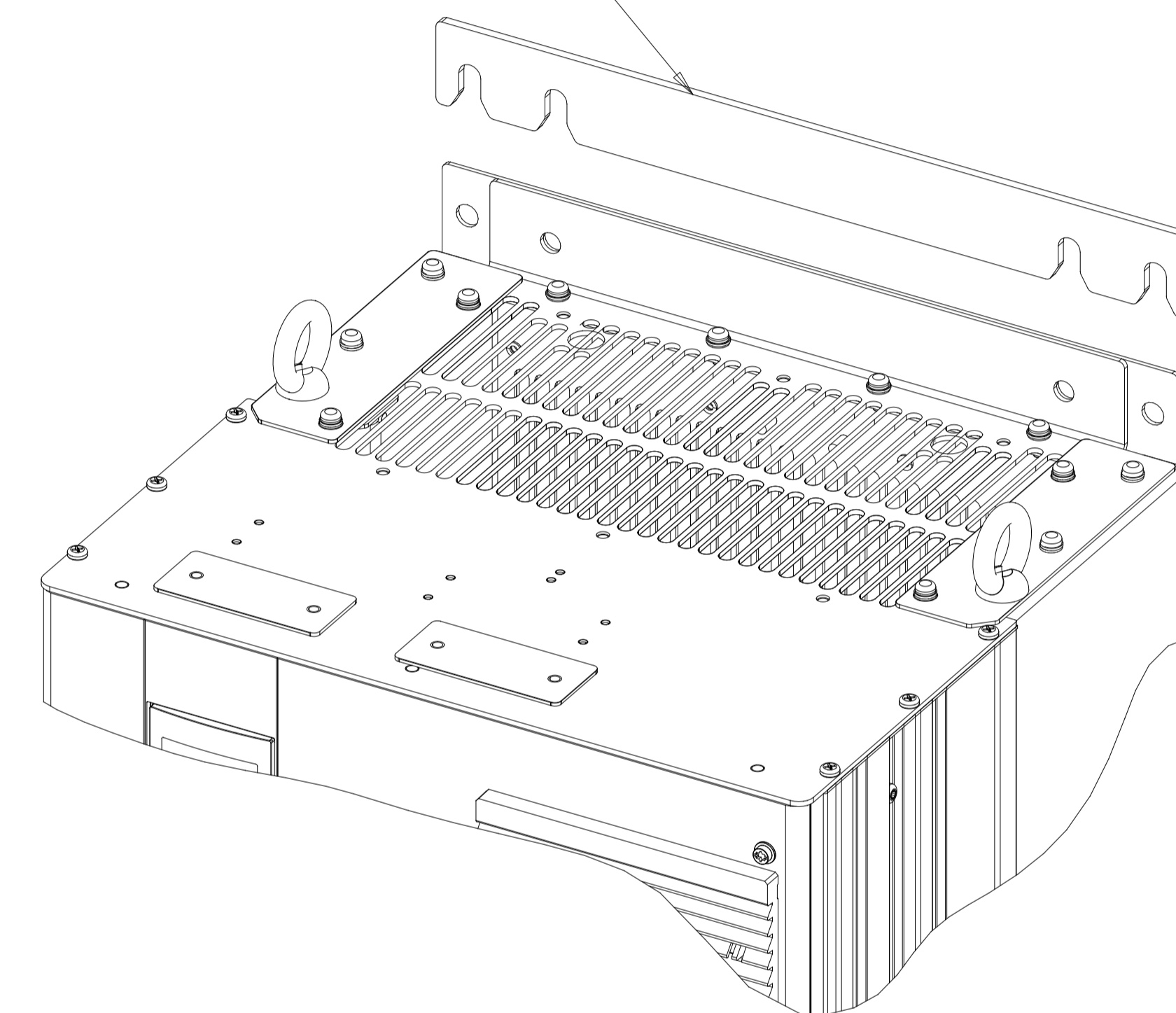


USE (4) 681X9143 M5 SCREWS THROUGH  
FRONT PEDESTAL FLANGE INTO FRONT  
GLAND PLATE MOUNTING HOLES

DETAIL B  
SCALE 0.400



SLIDE PEDESTAL WALL SPACER BEHIND  
TOP DRIVE MOUNTING FLANGE BEFORE  
ATTACHING ENCLOSURE TO WALL



DETAIL C  
SCALE 0.400

## NOTES:

- 1) GLAND PLATE MUST BE INSTALLED BEFORE PEDESTAL
- 2) SEE PAGE 1 FOR FLOOR MOUNTING DIMENSIONS

THE TABLES BELOW ARE USED TO DETERMINE THE FRAME SIZE FOR A GIVEN POWER AND VOLTAGE RATING, WITH A BREAK CHOPPER AND/OR DISCONNECT.

1) IDENTIFY THE POWER IN NORMAL OVERLOAD (N.O.) OR HIGH OVERLOAD (H.O.), KILOWATTS (KW) OR HORSEPOWER (HP).

2) READ DOWN THE COLUMN TO THE ROW WITH THE CORRECT VOLTAGE TO IDENTIFY THE FRAME SIZE.

THIS DRAWING IS FOR D7H FRAMES,

THE TABLE BELOW CAN BE USED TO DETERMINE THE FRAME SIZE IF THE SPECIFIC MODEL/TYPE CODE WITH A BREAK CHOPPER AND/OR DISCONNECT, IS KNOWN.

(007) (007) (007) (007) (007)

KW RATED DRIVES												
KW HIGH OVERLOAD	45	55	75	90	110	150	160	200	250	315	315	
KW NORMAL OVERLOAD	55	75	90	110	150	160	200	250	315	355	400	
208V / 230V	D7H	D7H										
400V				D7H	D7H	D7H		D7H	D7H			
500V					D7H	D7H	D7H	D7H	D7H	D7H		
525V			D7H	D7H	D7H	D7H	D7H	D7H	D7H			
690V				D7H	D7H	D7H	D7H	D7H	D7H			D7H

(007) (007) (007) (007) (007) (007)

HORSEPOWER RATED DRIVES												
HP HIGH OVERLOAD	50	60	75	100	125	150	200	250	300	350	350	
HP NORMAL OVERLOAD	60	75	100	125	150	200	250	300	350	400	450	
208V	D7H	D7H										
460V					D7H	D7H	D7H	D7H	D7H			D7H
575V				D7H	D7H	D7H	D7H	D7H	D7H	D7H		

PLATFORM	VOLTAGE	MODEL/TYPECODE	FRAME(IP21/IP54)
HVAC	T2	FC-102N55KT2	D7H
		FC-102N75KT2	
	T4	FC-102N200T4	
		FC-102N250T4	
		FC-102N315T4	
	T7	FC-102N200T7	
		FC-102N250T7	
		FC-102N315T7	
		FC-102N400T7	
AQUA	T2	FC-202N55KT2	D7H
		FC-202N75KT2	
	T4	FC-202N200T4	
		FC-202N250T4	
		FC-202N315T4	
	T7	FC-202N200T7	
		FC-202N250T7	
		FC-202N315T7	
		FC-202N400T7	
AUTOMATION	T2	FC-302N45KT2	D7H
		FC-302N55KT2	
	T5	FC-302N160T5	
		FC-302N200T5	
		FC-302N250T5	
	T7	FC-302N160T7	
		FC-302N200T7	
		FC-302N250T7	
		FC-302N315T7	