

003 44 [1.7]

374 [14.7]

142 [5.6]

18 [0.7]

∅20 [0.8]

176 [6.9]

1048 [41.3]

611 [24.0]

148 [5.8]

1122 [44.2]

1096 [43.1]

1051 [41.4]

107 [4.2]

213 [8.4]

350 [13.8]

280 [11.0]

130 [5.1]

320 [12.6]

857 [33.7]

271 [10.7]

CEILING
MIN 225 [8.9]
AIRSPACE
OUTLET

FLOOR
MIN 225 [8.9]
AIRSPACE
INLET

SEE DETAIL A

SEE DETAIL B

DETAIL A

USE M10 MTG BOLT OR
3/8" MTG BOLT

DETAIL B

40 [1.6]

11 [0.4]

33 [1.3]

25 [1.0]

∅11 [0.4]

20 [0.8]

9 [0.3]

24 [0.9]

1. MAX AIRFLOW (BACKCHANNEL) - 14 M³/MIN (500 CFM)
2. MAX AIRFLOW (CABINET) - 3.4 M³/MIN (120 CFM)
3. MAX WEIGHT = 125 KG (275 LBS)
4. CENTER OF GRAVITY:
APPROXIMATE LOCATION ONLY, LOCATION MAY VARY BASED ON POWER RATING AND OPTIONS ORDERED.

INTERPRET DIM. & TOL. PER ASME Y14.5M-1994 ALL DIMENSIONS ARE IN MILLIMETERS TOLERANCES UNLESS OTHERWISE SPECIFIED .X±0.8 .XX±0.50 ≤ ±1.0		THIRD ANGLE PROJECTION	SCALE 0.150	SIZE A2	MATERIAL N/A	
— PDM CONTROLLED DRAWING — NOT VALID WITHOUT FROZEN DATE IN ID STAMP				FINISH N/A		
CHANGED	BC			04/24/19	DESCRIPTION INSTALLATION DRAWING, D4H, IP20/CHASSIS	
DESIGNED	CCN			06/16/11		
CHECKED			DRAWING NUMBER 177R0340	REV 003		
CONFIDENTIAL: PROPERTY OF DANFOSS A/S NORDBORG, 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.			MODEL P454_D2_PRODUCTION	SHEET 1 OF 4		

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

SECTION A-A
MAINS TERMINALS

SECTION B-B
MOTOR TERMINALS AND
BRAKE / REGEN TERMINALS

MAINS TERMINAL

BRAKE / REGEN TERMINALS

MOTOR TERMINAL

EARTHING / GROUNDING CONNECTIONS

3X M10X20 STUD WITH NUT

BRAKE / REGEN TERMINAL

MOTOR TERMINAL

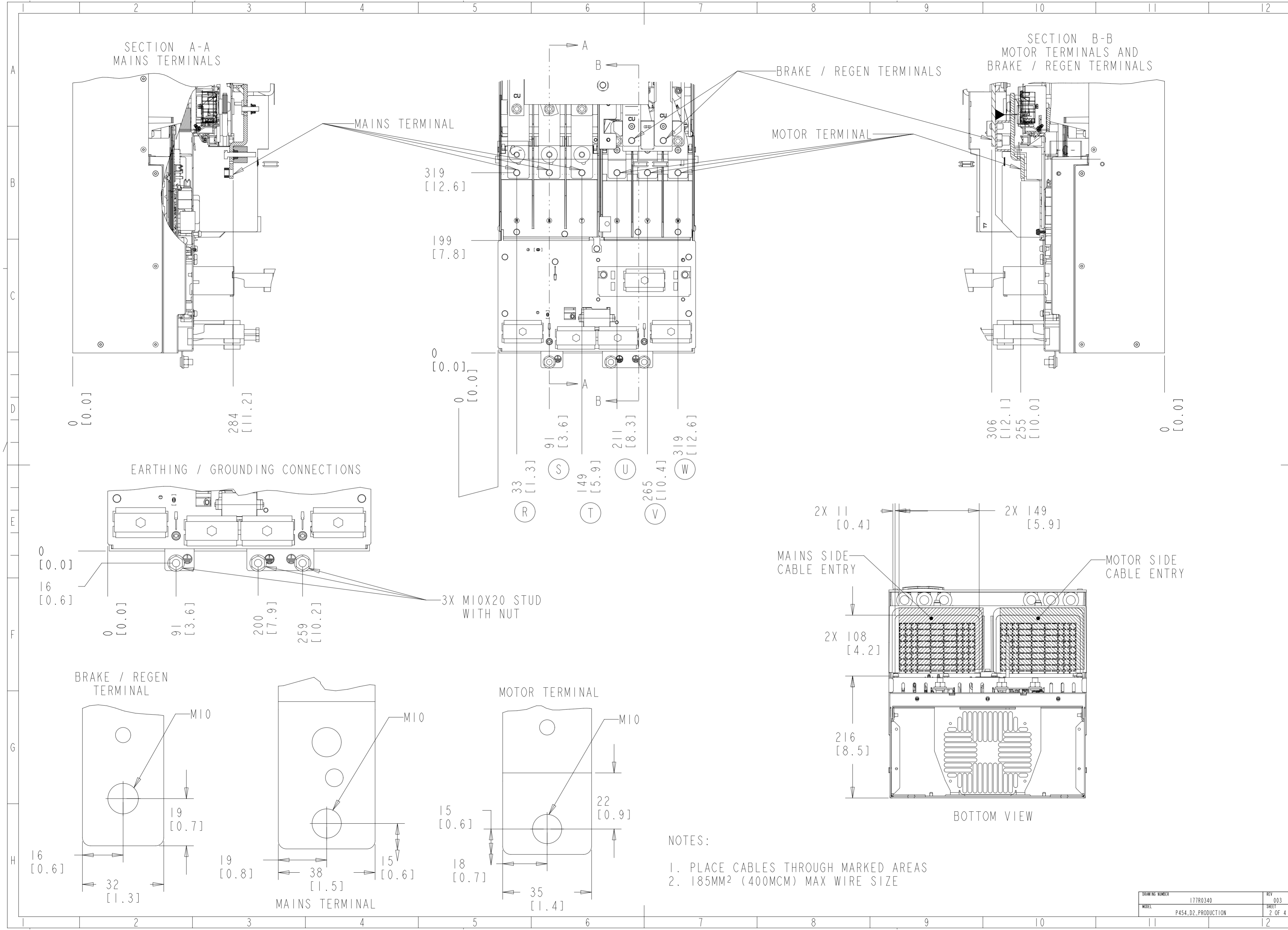
MAINS TERMINAL

BOTTOM VIEW

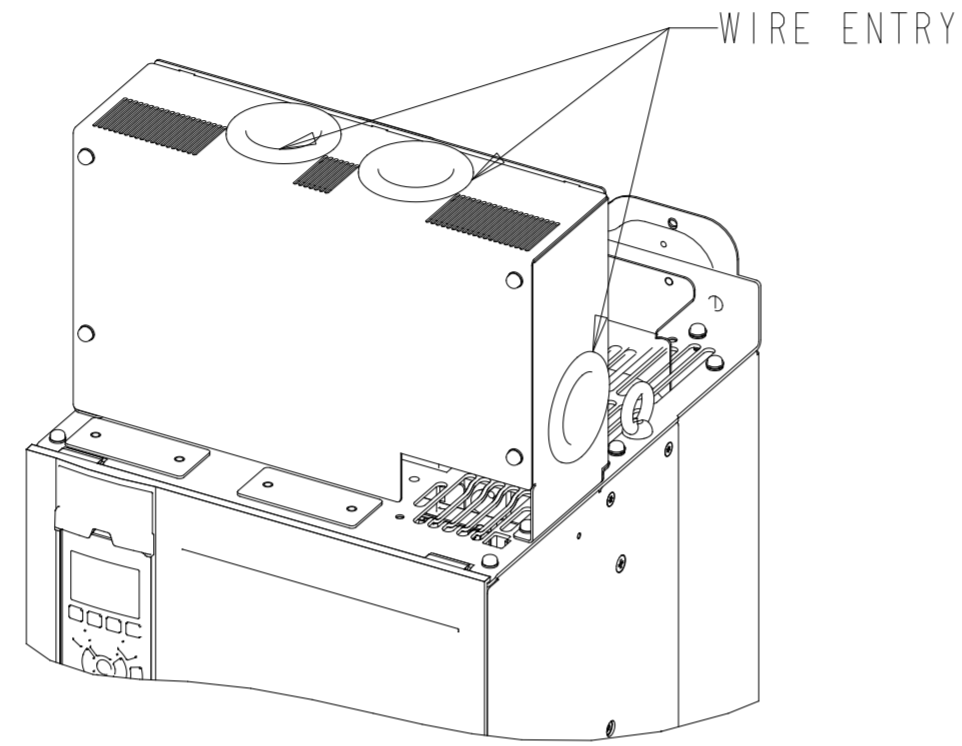
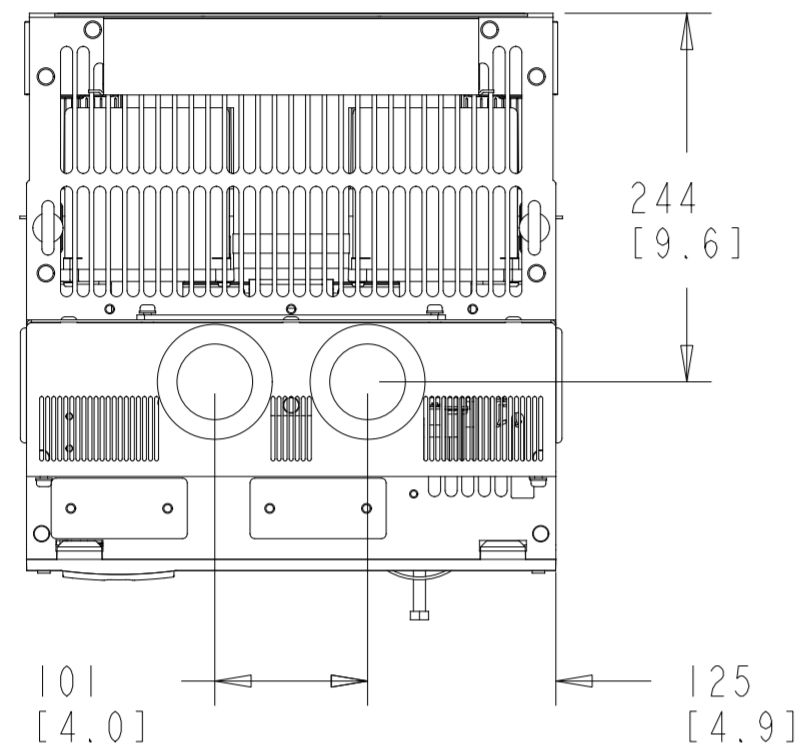
NOTES:

1. PLACE CABLES THROUGH MARKED AREAS
2. 185MM² (400MCM) MAX WIRE SIZE

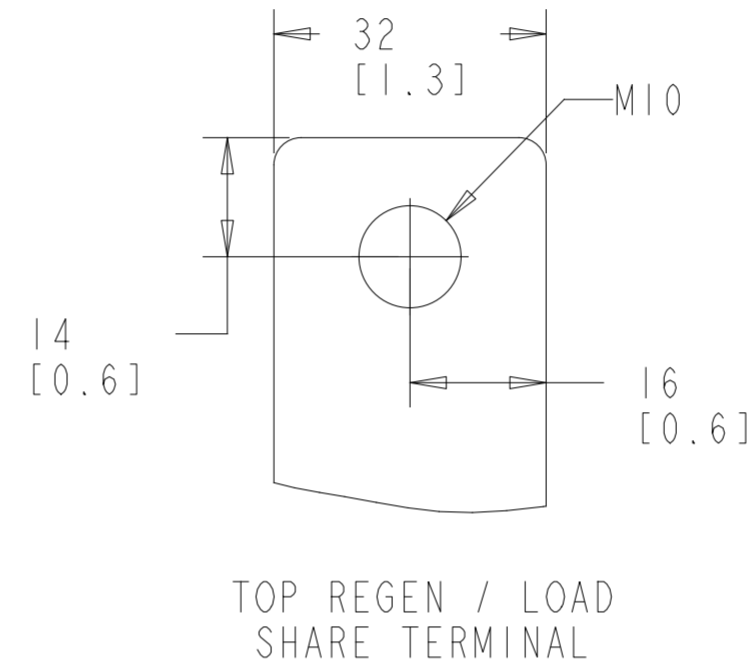
DRAWING NUMBER	177R0340	REV	003
MODEL	P454_D2_PRODUCTION	SHEET	2 OF 4



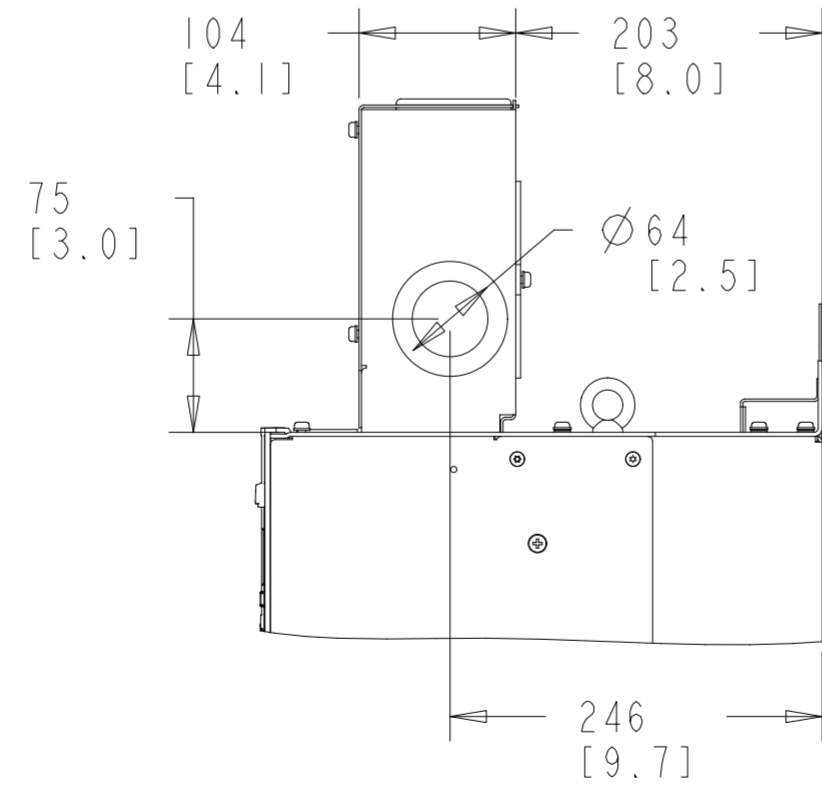
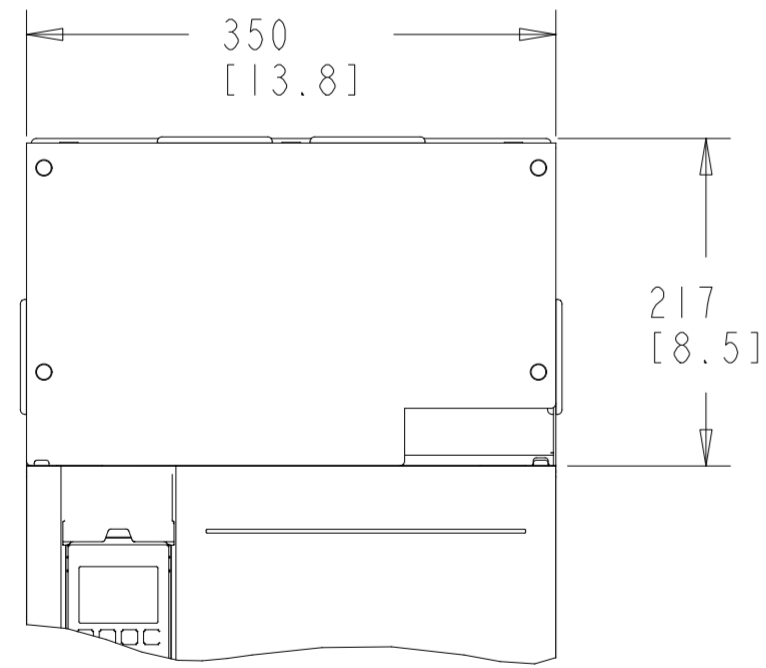
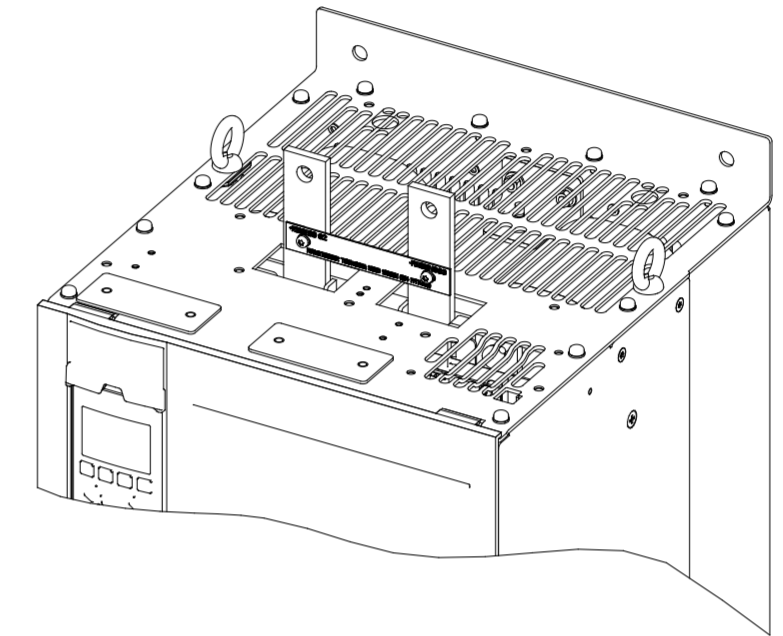
TOP REGEN / LOAD SHARE
TERMINALS WITH OPTION COVER



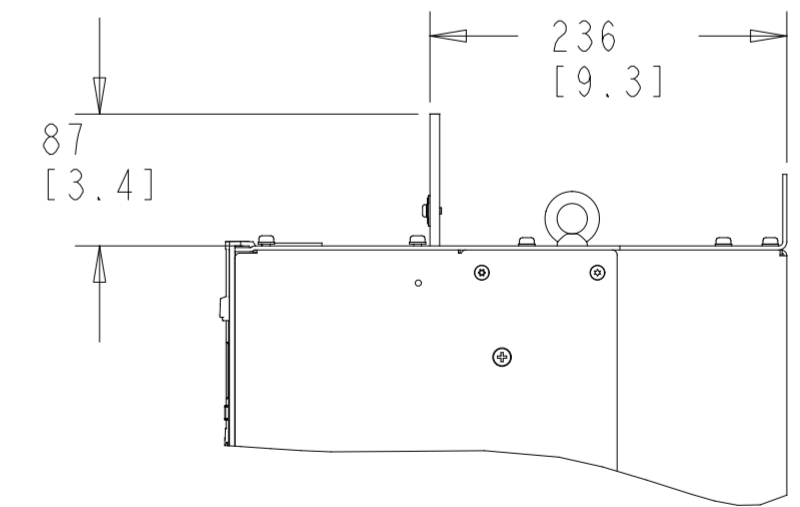
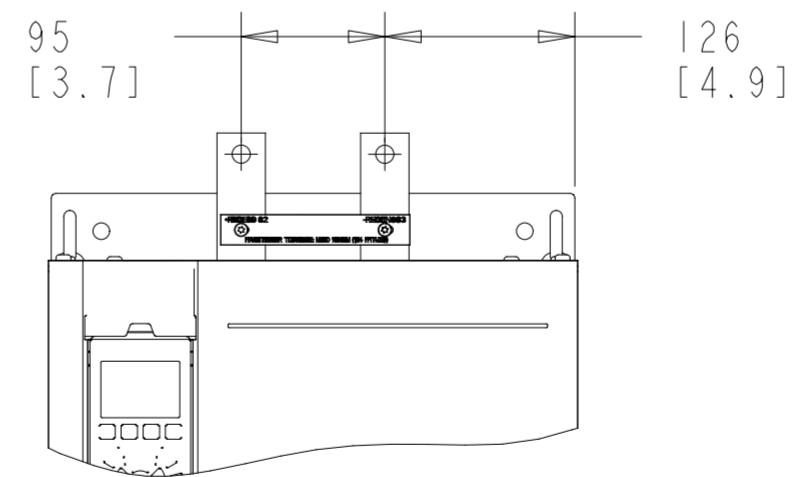
TOP REGEN / LOAD SHARE TERMINALS
(WITHOUT TERMINAL COVER INSTALLED)



TOP REGEN / LOAD SHARE
SHARE TERMINALS



TOP REGEN / LOAD
SHARE TERMINALS



THE TABLES BELOW MAY BE USED TO CONFIRM THE CORRECT FRAME SIZE AND DRAWING FOR A SPECIFIC DRIVE RATING (POWER AND VOLTAGE). THIS DRAWING IS FOR D4H FRAMES, THE TABLES BELOW IDENTIFY WHICH DRIVES ARE REPRESENTED BY THIS DRAWING.

THE TABLE BELOW CAN BE USED TO DETERMINE THE FRAME SIZE IF THE SPECIFIC MODEL/TYPECODE IS KNOWN.

KW RATED DRIVES

KW HIGH OVERLOAD	75K	90K	110	150	132	160	200	250	315	315
KW NORMAL OVERLOAD	90K	110	150	160	160	200	250	315	355	400
230V	D4H	D4H	D4H	D4H						
400V						D4H	D4H	D4H		
500V							D4H	D4H	D4H	
525V					D4H	D4H	D4H	D4H		
690V						D4H	D4H	D4H		D4H

HORSEPOWER RATED DRIVES

HP HIGH OVERLOAD	100	120	150	200	200	250	300	350	350
HP NORMAL OVERLOAD	120	150	200	215	250	300	350	400	450
230V	D4H	D4H	D4H	D4H					
460V						D4H	D4H		D4H
575V					D4H	D4H	D4H	D4H	

PLATFORM	VOLTAGE	MODEL/TYPECODE	FRAME(IP20)
HVAC	003 T2	FC-102N90KT2	D4H
		FC-102N110T2	
		FC-102N150T2	
		FC-102N160T2	
	T4	FC-102N200T4	
		FC-102N250T4	
		FC-102N315T4	
	T7	FC-102N200T7	
		FC-102N250T7	
		FC-102N315T7	
		FC-102N400T7	
	AQUA	003 T2	
FC-202N110T2			
FC-202N150T2			
FC-202N160T2			
T4		FC-202N200T4	
		FC-202N250T4	
		FC-202N315T4	
T7		FC-202N200T7	
		FC-202N250T7	
		FC-202N315T7	
		FC-202N400T7	
AUTOMATION		003 T2	FC-302N75KT2
	FC-302N90KT2		
	FC-302N110T2		
	FC-302N150T2		
	T5	FC-302N160T5	
		FC-302N200T5	
		FC-302N250T5	
	T7	FC-302N160T7	
		FC-302N200T7	
		FC-302N250T7	
		FC-302N315T7	