



PowerBar iMPB

Submittals Addendum

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Technical Support Site

If you encounter any installation or operational issues with your product, check the pertinent section of this manual to see if the issue can be resolved by following outlined procedures.

Visit <https://www.vertiv.com/en-us/support/> for additional assistance.

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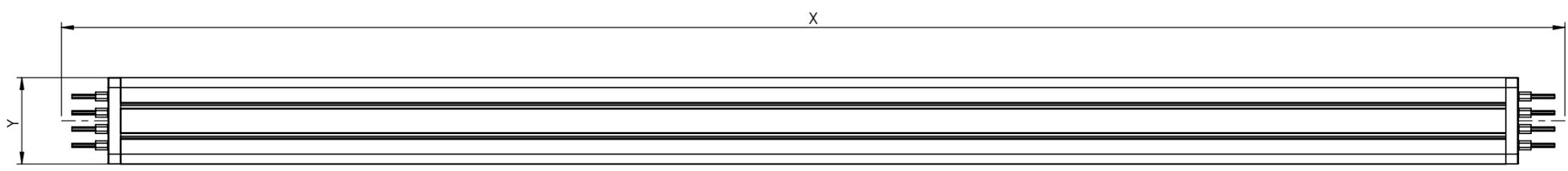
BUSBAR RATING (AMPS)	DIMENSIONAL DATA	
	TP/N AND TP/ON CONFIGS Y/Z	TP/NG AND TP/ONG CONFIGS Y/Z
250	.18m x .04m	.21m x .04m
400	.18m x .04m	.21m x .04m
630	.18m x .05m	.22m x .05m
800	.20m x .08m	N/A
100	.20m x .08m	N/A

CONFIGURATION	PHASE	NEUTRAL	GROUND
TP/N	100%	100%	100%
TP/ON	100%	170%	100%
TP/NG	100%	100%	100% + ISO GND
TP/ONG	100%	170%	100% + ISO GND

X-DIMENSIONAL DATA		
AMP	PHASE CONFIGURATION	X
ANY	ANY	.6m
		1.0m
		2.0m
		3.0m
		4.0m

NOTES

- ALL DIMENSIONS ARE IN inches [mm].
- THE "X" DIMENSION IS FROM THE JOINT PACK TO THE END CAP. THE BUSWAY TRACK IS 1.65" SHORTER THAN DIMENSION PROVIDED IN "X DIMENSIONAL DATA" CHART.
- CONDUCTOR: TINNED COPPER CONDUCTORS SIZED TO HANDLE 100% OF THE CONTINUOUSLY RATED CURRENT WITH AMBIENT TEMPERATURES AT OR BELOW 40 C/104 F. BUS DUCT IS FABRICATED FROM ELECTRICAL GRADE: COPPER (C101 BS 1432/1433) 99.9% PURITY TO ETP 99.9+
- CONSTRUCTION: HOUSING IS EXTRUDED ALUMINUM TO ACT AS 100% GROUND CONDUCTOR. THE TRACK CHANNEL IS FINGER SAFE (IP-2X) AND NEMA 1 RATED
- THE RATED INSULATION VOLTAGE OF THE BUS TRACK IS 1000V AND IS SUITABLE FOR OPERATION UP TO 600V, 3 PHASE, 4 WIRE, 60HZ SUPPLY.



TOP VIEW

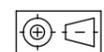


FRONT VIEW



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THIS DRAWING USES THIRD ANGLE PROJECTION

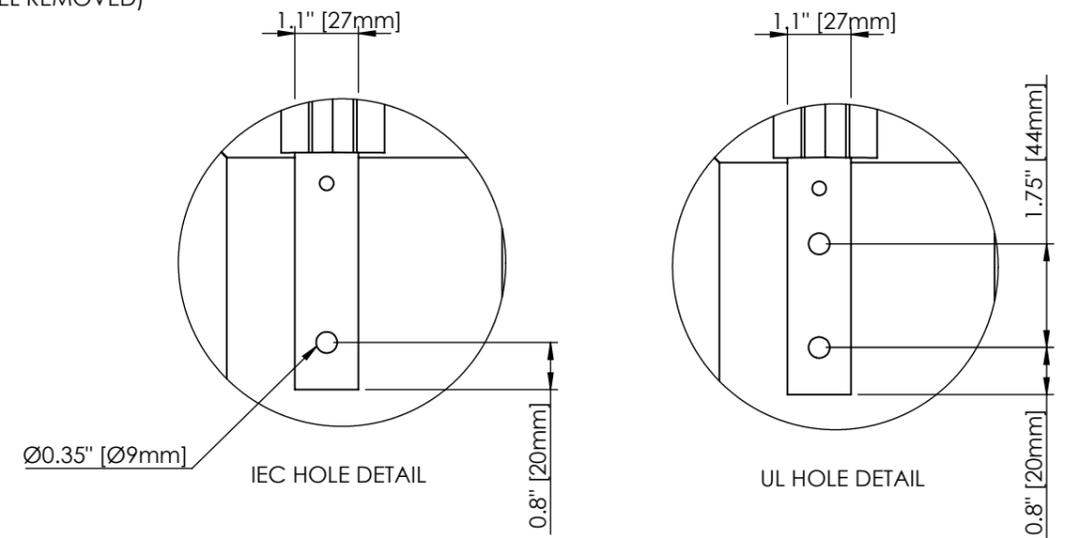
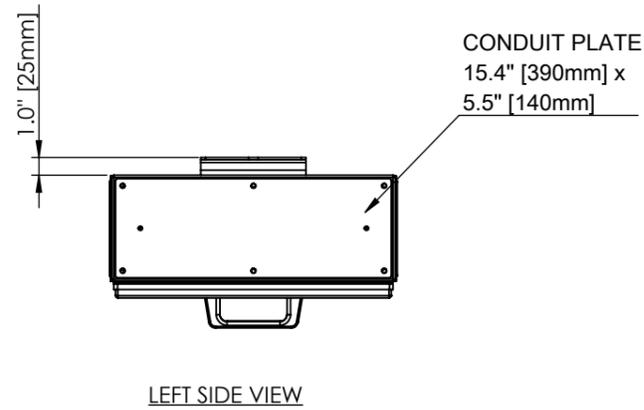
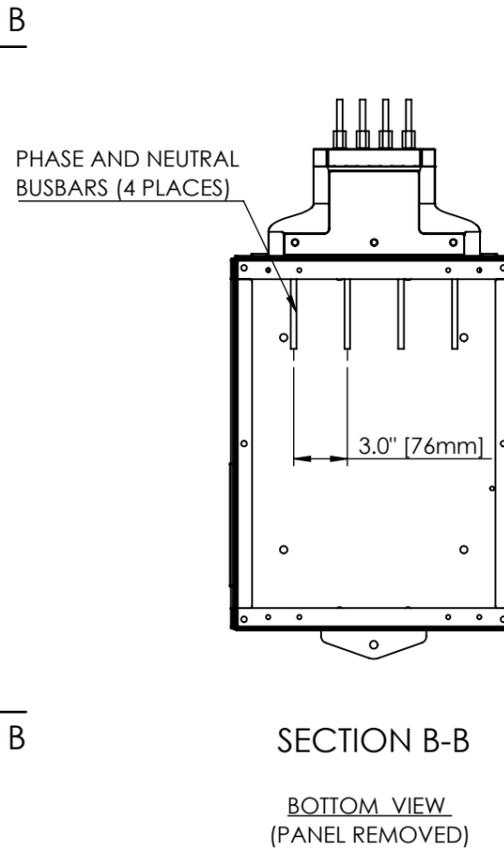
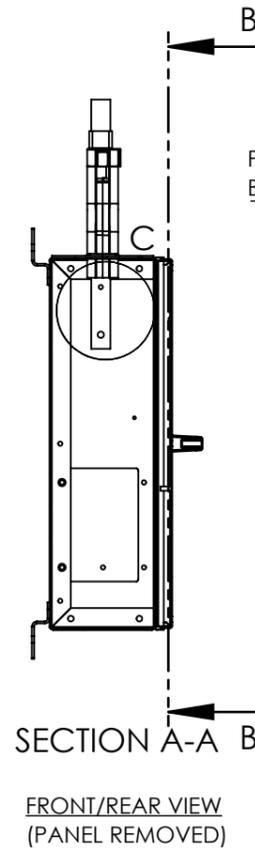
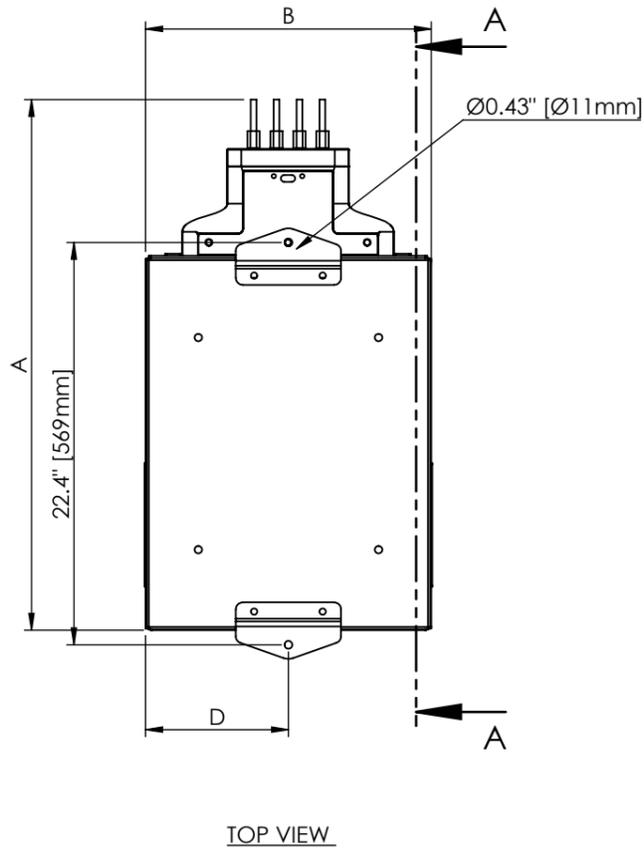
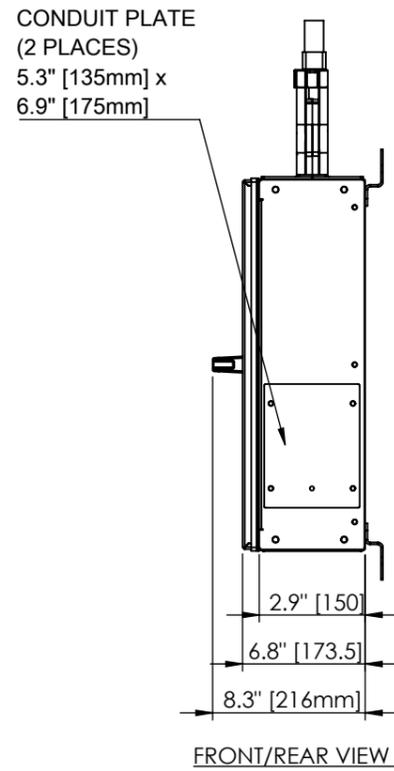


DEBURR AND BREAK SHARP EDGES		
DIMENSIONS IN MILLIMETRES		
	NAME	DATE
DRAWN	E.MORRISON	01/04/22
CHECKED	x	//
APPROVED	x	//

TITLE: **OUTLINE DRAWING DISTRIBUTION BUSSING**

DWG NO: **IMPB BUSBAR**

REV 00
SHEET 1 OF 6
SCALE 1:10
A3



- NOTES**
1. ALL DIMENSIONS ARE IN inches [mm].
 2. THE "A" DIMENSION IS FROM END OF THE BUS TRACK TO THE END OF THE END POWER FEED BOX. THE BUSWAY WILL INSERT INTO A JOINT PACK 1 5/8" (1.625").
 3. REMOVE CONDUIT PLATE, PUNCH TO SUIT AND REPLACE.
 4. ALL WIRING MUST BE ACCORDANCE WITH NATIONAL AND ELECTRICAL CODES.
 5. MOUNTING BRACKETS CAN BE MOVED TO THE FRONT/REAR FOR VERTICAL MOUNTING. TORQUE TO 10NM (89IN/LBS).
 6. BOTTOM PANEL SCREWS ARE HAND TIGHTENED.

CONDUCTORS	CONFIGURATION	WIDTH (A)	DEPTH (B)	LENGTH (D)
4 BAR	TP/N and TP/ON, No Monitoring	29.6" [752mm]	16" [406mm]	8" [203mm]
5 BAR	TP/NG and TP/ONG, No Monitoring	29.6" [752mm]	18.9" [479mm]	9.45" [240mm]



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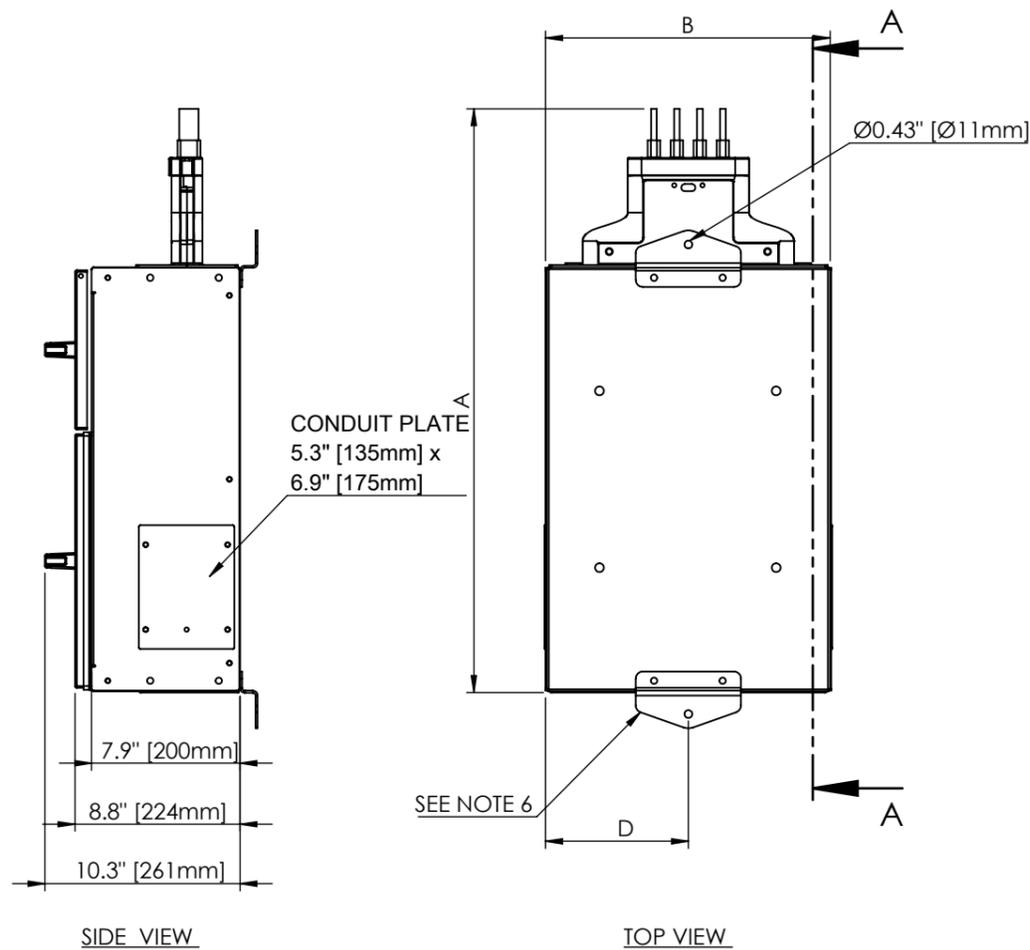
THIS DRAWING USES THIRD ANGLE PROJECTION

DEBURR AND BREAK SHARP EDGES		
DIMENSIONS IN MILLIMETRES		
NAME	DATE	
DRAWN	E.MORRISON 01/04/22	
CHECKED	x / /	
APPROVED	x / /	

TITLE: OUTLINE DRAWING
250-600A END POWER FEED BOX NO MONITORING

DWG NO: IMPB CEB

REV 00
SHEET 2 OF 6
SCALE 1:10
A3



PHASE AND NEUTRAL
BUSBARS (4 PLACES)
SEE DETAIL C

GROUND BUSBAR

2.3" [59mm]

3.0" [76mm]

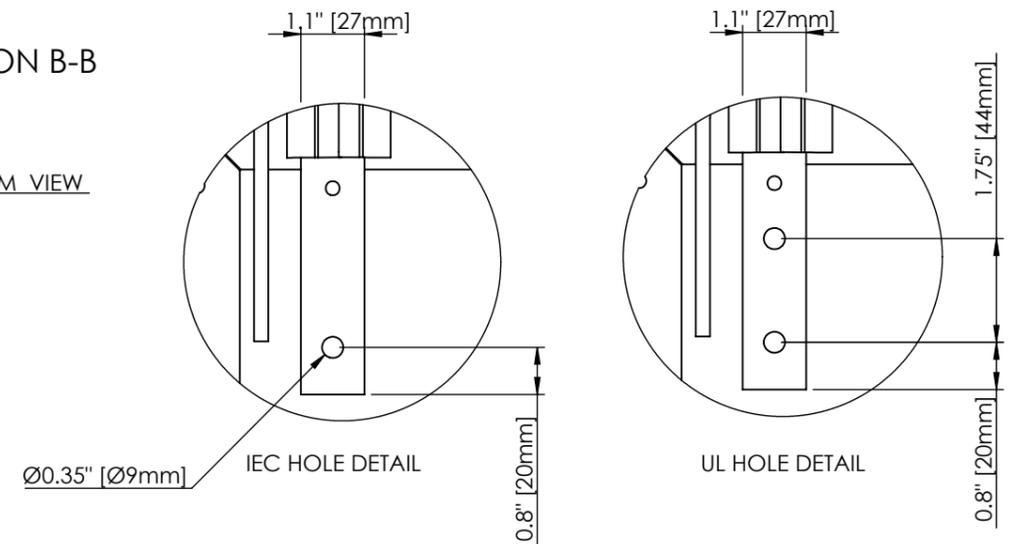
NOTES

1. ALL DIMENSIONS ARE IN inches [mm].
2. THE 44.2" [1123mm] DIMENSION IS FROM END OF THE BUS TRACK TO THE END OF THE END POWER FEED BOX. THE BUSWAY WILL INSERT INTO A JOINT PACK 1 5/8" (1.625").
3. 800A METERED AND NON-METERED 4 POLE CASE SIZE ARE THE SAME, THERE IS NO 5 POLE OPTION.
4. REMOVE CONDUIT PLATE, PUNCH TO SUIT AND REPLACE.
5. ALL WIRING MUST BE ACCORDANCE WITH NATIONAL AND ELECTRICAL CODES.
6. MOUNTING BRACKETS CAN BE MOVED TO THE FRONT/REAR FOR VERTICAL MOUNTING. TORQUE TO 10NM (89IN/LBS).
7. BOTTOM PANEL SCREWS ARE HAND TIGHTENED.

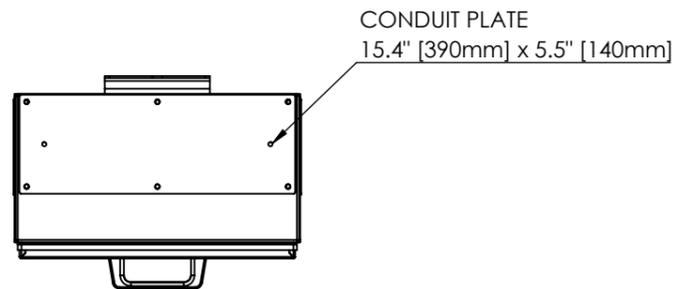
SECTION A-A

SECTION B-B

BOTTOM VIEW



DETAIL C
SCALE 1 : 3
(PHASE, NEUTRAL AND GROUND BUSBARS)



LEFT SIDE VIEW

CONDUCTORS	CONFIGURATION	WIDTH (A)	DEPTH (B)	LENGTH (D)
4 BAR	TP/N and TP/ON, No Monitoring	32.6" [828mm]	16" [406mm]	8" [203mm]
5 BAR	TP/NG and TP/ONG, No Monitoring	32.6" [828mm]	18.9" [479mm]	9.45" [240mm]



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DEBURR AND BREAK SHARP EDGES

DIMENSIONS IN MILLIMETRES

	NAME	DATE
DRAWN	E.MORRISON	01/04/22
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APPROVED	x	//

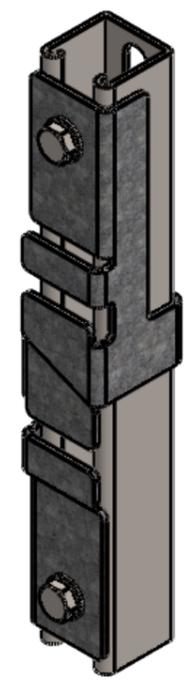
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OUTLINE DRAWING
250-600A END POWER FEED BOX WITH MONITORING

DWG NO:
IMPB CEB METER

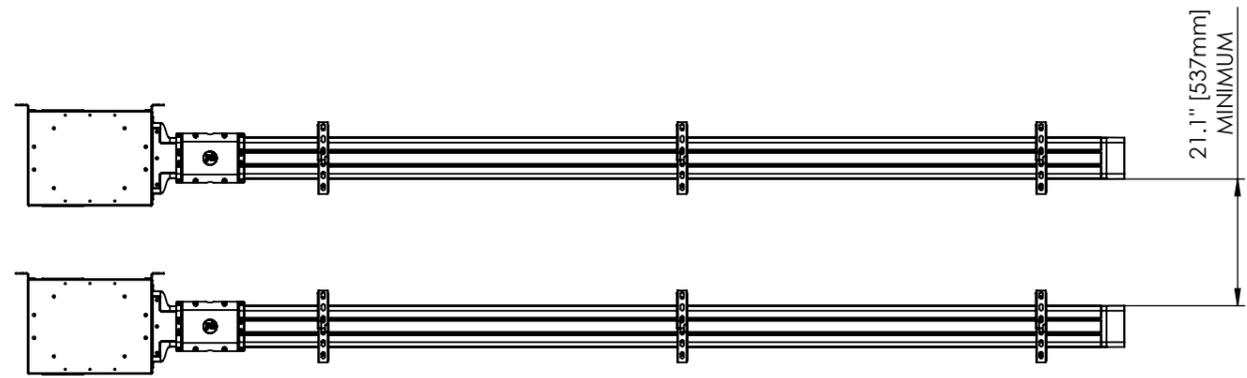
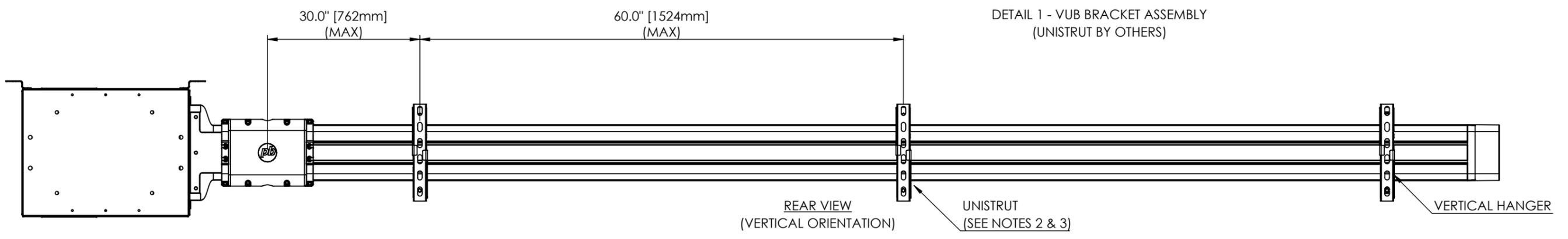
REV 00
SHEET 3 OF 6
SCALE 1:10
A3

NOTES

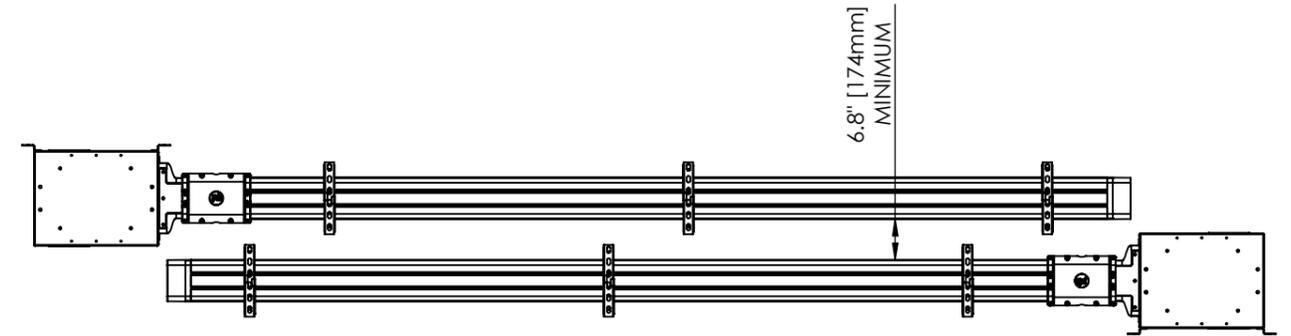
1. ALL DIMENSIONS ARE IN inches [mm].
2. ALL MOUNTING HARDWARE PROVIDED BY OTHERS.
3. UNISTRUT SUPPLIED BY OTHERS. MINIMUM LENGTH 12.3' [312mm].
4. REQUIRED CLEARANCES:
 TOP OF BUSWAY TRACK TO CEILING: 152.4mm
 SIDE OF BUSWAY TRACK TO WALL: 79.4mm
 BOTTOM OF BUSWAY TRACK TO TOP OF SERVER: 374.7mm
 SPACING BETWEEN MULTIPLE BUSWAY TRACK
 END FEED BOXES: 152.4mm
 HORIZONTAL ONLY: BOTTOM OF POWER FEED BOX AND TOP OF RACK: 609.6mm (ONLY IF MOUNTED OVER EQUIPMENT)



DETAIL 1 - VUB BRACKET ASSEMBLY
(UNISTRUT BY OTHERS)



End Feed Boxes installed at the same end.

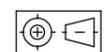


End Feed Boxes installed at opposite ends.



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DIMENSIONS IN MILLIMETRES		
NAME	DATE	
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APPROVED	x //	

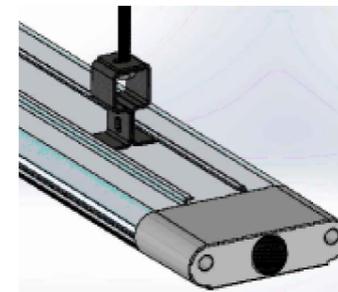
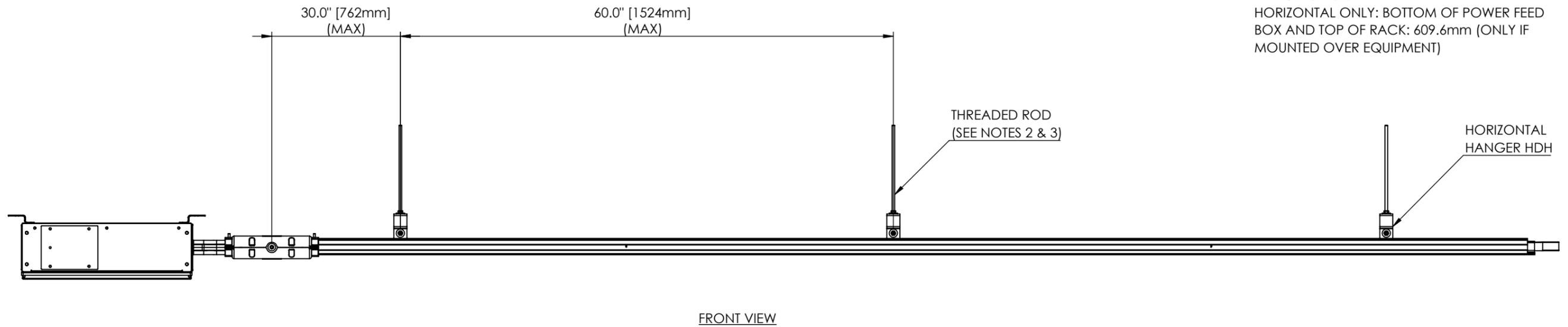
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HANGER DETAIL
VERTICAL/HORIZONTAL UNISTRUT HANGER

DWG NO:
IMPB HB-13

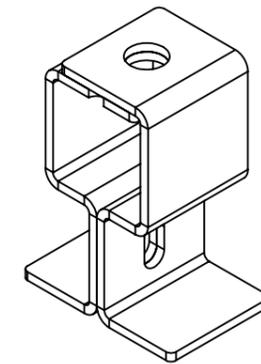
REV 00
SHEET 4 OF 6
SCALE 1:13
A3

NOTES

1. ALL DIMENSIONS ARE IN inches [mm].
2. ALL MOUNTING HARDWARE PROVIDED BY OTHERS.
3. THREADED ROD SUPPLIED BY OTHERS.
4. REQUIRED CLEARANCES:
 TOP OF BUSWAY TRACK TO CEILING: 152.4mm
 SIDE OF BUSWAY TRACK TO WALL: 79.4mm
 BOTTOM OF BUSWAY TRACK TO TOP OF SERVER: 374.7mm
 SPACING BETWEEN MULTIPLE BUSWAY TRACK HANGERS: 152.4mm
 HORIZONTAL ONLY: BOTTOM OF POWER FEED BOX AND TOP OF RACK: 609.6mm (ONLY IF MOUNTED OVER EQUIPMENT)



DETAIL "1"



DETAIL "2"



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DEBURR AND BREAK SHARP EDGES

DIMENSIONS IN MILLIMETRES

	NAME	DATE
DRAWN	E.MORRISON	01/04/22
CHECKED	x	//
APPROVED	x	//

TITLE:

HANGER DETAIL
HORIZONTAL HANGER HDH

DWG NO:

IMPB HB1&2

REV 00

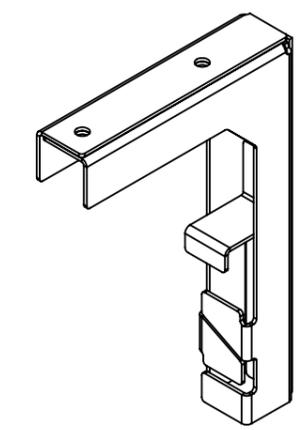
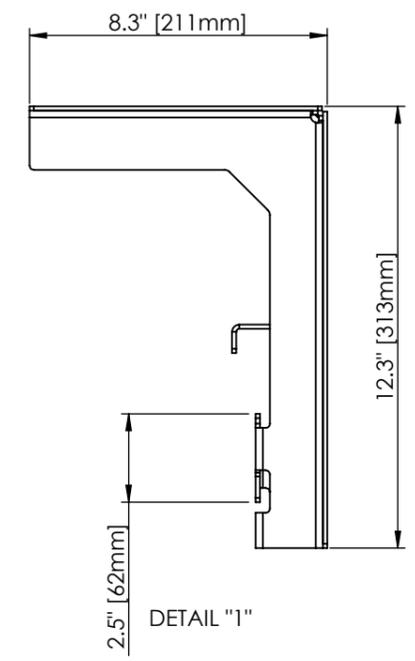
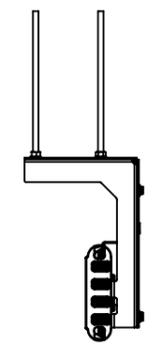
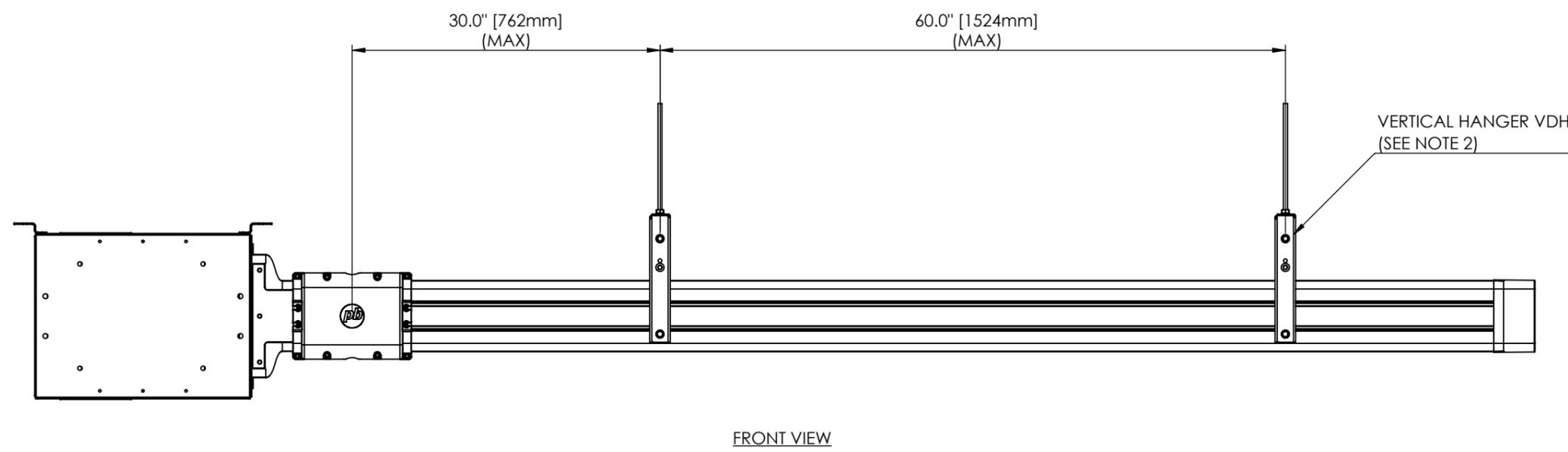
SHEET 5 OF 6

SCALE 1:13

A3

NOTES

1. ALL DIMENSIONS ARE IN inches [mm].
2. ALL MOUNTING HARDWARE PROVIDED BY OTHERS.
3. RECOMMENDED CLEARANCES:
 TOP OF BUSWAY TRACK TO CEILING: 152.4mm
 SIDE OF BUSWAY TRACK TO WALL: 79.4mm
 BOTTOM OF BUSWAY TRACK TO TOP OF SERVER: 374.7mm



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	DIMENSIONS IN MILLIMETRES				
THIS DRAWING USES THIRD ANGLE PROJECTION	DRAWN	E.MORRISON	01/04/22	SCALE 1:13	A3
	CHECKED	x	/ /		
	APPROVED	x	/ /		
FINISH	MATERIAL	DWG NO: IMPB HB3&4&5			



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