Open Frame Rack Containment System

PANDUIT®
SPECIFICATION SHEET

SPECIFICATIONS

The Open Frame Rack Containment System shall be compatible in a hot aisle containment environment using 45 RU and 52 RU 4-post open frame racks and consists of rack top caps, vertical cable manager top caps and end panels. Engineered for versatility, the rack top cap and end panels shall telescope to fit 30 in. and 36 in. rack depths. In addition, the PR2V% top caps shall telescope to fit 30 in. and 36 in. rack depths, ensuring compatibility across both configurations. The PE2V% top caps shall be at a fixed depth to fit a 36 in. rack depth. Ideal for dynamic data centerenvironments, the modular design makes for a reliable and scalable solution for cooling efficiency.

TECHNICAL INFORMATION

Attributes: Part Number	Height in. (mm)	Width in. (mm)	Depth in. (mm)
AR4PATC	.34 (8.6)	20.8 (529)	30-36 (762-914)
R4PATC	.22 (5.6)	24 (609.6)	
PR2V06ATC	6.84 (173)	6 (152)	27.1-36.1 (688-917)
PR2V08ATC		8 (203)	
PR2V10ATC		10 (254)	
PR2V12ATC		12 (304)	
PE2V0636TC		6 (152)	27.9 (708)
PE2V0836TC		8 (203)	
PE2V1036TC		10 (254)	
PE2V1236TC		12 (304)	
P2VAEP2	84 (2133)	6-12 (152-340)	30-36 (762-914)
P2V96AEP2	96 (2438)		

KEY FEATURES AND BENEFITS

Modular system:	Designed to integrate seamlessly with 4-post racks
Adjustable depths:	Adjustable depths to fit racks at 30 in. or 36 in. depth
Airflow mangement:	Brush strips, baffles and hole plugs to seal openings and minimize hot air escape
Brushed pass-through:	Brushed pass-through on rack top caps for PDU cable entry. Brushed pass-through on VCM top caps for cable entry.
Versatile VCM top caps:	Compatible with single or dual-sided managers. Tops also reversible with 60% side front or back facing

4-Post Racks	
Adjustable depth 4-post rack, threaded rails:	**AR4P+^**
Adjustable depth 4-post rack, cage nut rails:	**AR4PCN+^**
4-post, threaded rails:	**R4P+^**
4-post rack, cage nut rails:	**R4PCN+^**
PatchRunner® 2 Vertical Cable Managers	
Dual-sided with two doors:	**PR2VD**+^**
Dual-sided with one door:	**PR2VSD**+^**
Single-sided with one door:	**PR2VFD**+^**
PatchRunner 2 Enhanced Vertical Cable Managers	
Dual-sided with two doors:	**PE2VD**+^**
Dual-sided with one door:	**PE2VSD**+^**
Single-sided with one door:	**PE2VFD**+^**
4-Post Rack Top Caps	
Adjustable AR4P top cap:	**AR4PATC^**
Adjustable R4P top cap:	**R4PATC^**
PatchRunner 2 VCM Top Caps	
PatchRunner 2 adjustable top cap:	**PR2V**ATC^**
PatchRunner 2 enhanced top cap:	**PE2V**36TC^**
Adjustable PatchRunner 2 End Panels	
End panel kit, 45 RU:	**P2VAEP2^**
End panel kit, 52 RU:	**P2V96AEP2^**
Accessories	
Adjustable depth vertical tie-off bracket:	**V4PATOB^**
PR2V pass-through plug kit:	**PR2VBPK**
PE2V backbone blanking panel:	**PE2V**BBP**
R4P upper and lower blanking panels:	**R4P+-AC-KIT^**
AR4P upper blanking panel:	**AR4P-AC-KIT^**
PR2HF% and NM%/NMF% blanking kit:	**NM%B**
Blanking panel with brush seal pass-through - black, 1 RU:	**BR1B**
Blanking panel with brush seal pass-through - black, 2 RU:	**BR2B**
Tool-Less blanking panel - black, 1 RU, cage nut rails:	**TLBP1S-V**
Tool-Less blanking panel - black, 1 RU, threaded rails:	**TLBP1R-V**
Horizontal flat rack filler panel, 1 RU:	**DPFP1^**
Horizontal flat rack filler panel, 2 RU:	**DPFP2^**
Cable sealing grommet:	**BFS100X2000**

+Heights: 96 (8 ft.)
^Colors other than black: WH (White)
**Widths: 06 (6 in.), 08 (8 in.), 10 (10 in.) or 12 (12 in.)
% RUs: 1, 2, 3 or 4

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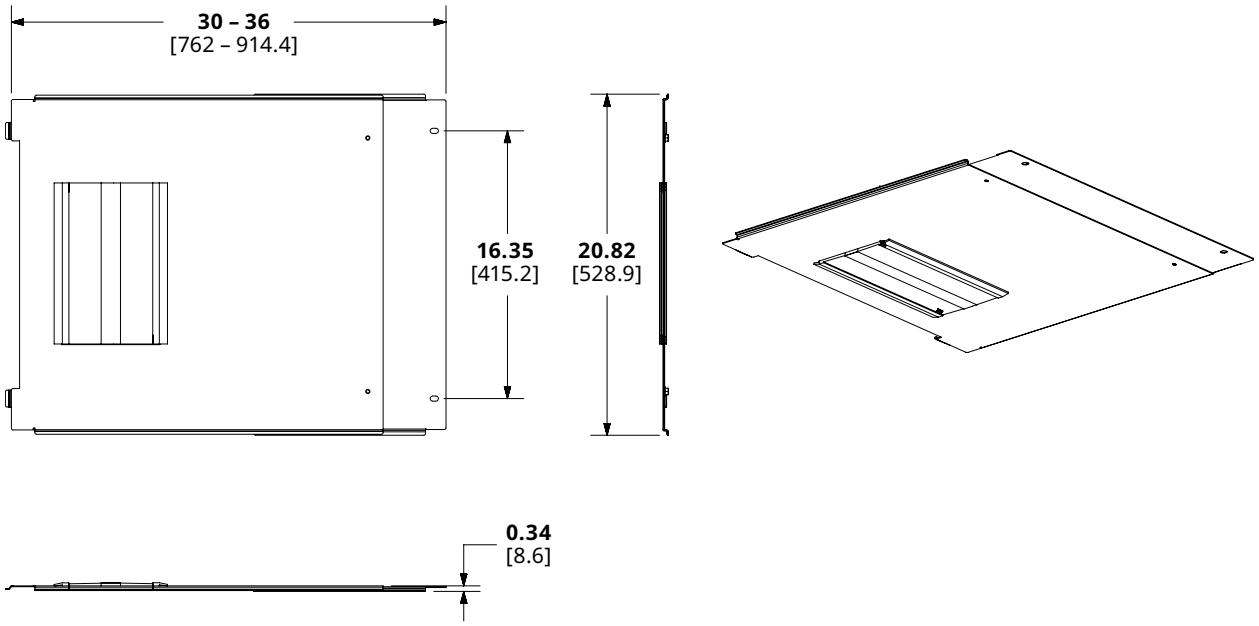
APPLICATIONS

Aisle Containment Accessories are engineered to optimize airflow and improve thermal efficiency in data centers with open frame racks. Designed to prevent the mixing of hot and cold air, these accessories direct hot exhaust air away from equipment, helping to reduce cooling energy costs and protect sensitive hardware from overheating. The system includes adjustable containment accessories that can be configured to match specific rack and cable manager layouts. They offer flexible installation options, making them ideal for retrofitting or new builds. Containment accessories maintain ease of equipment maintenance and cable management while creati ng a sealed environment that enhances cooling efficiency. Our hot aisle containment solutions can help achieve significant improvements in data center energy efficiency, leading to reduced operating costs and increased equipment longevity. Designed to integrate seamlessly with our cable management and thermal management solutions, these accessories provide a comprehensive approach to maintaining optimal operating conditions in data center environments.

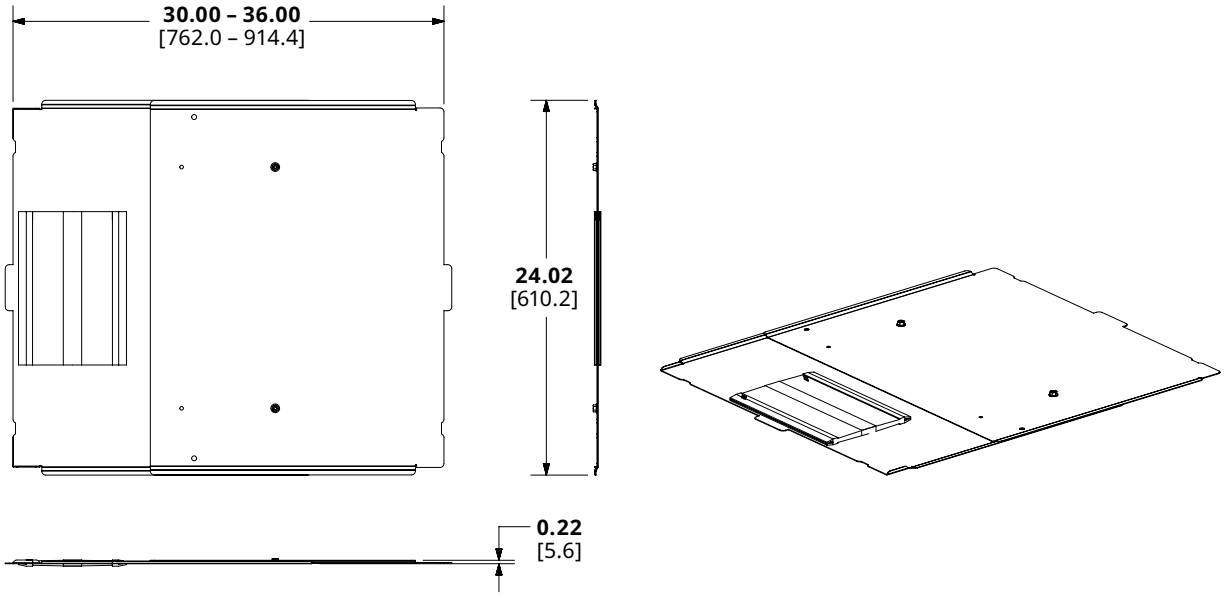
1. **P2VAEP2:** PatchRunner 2 End Panel 45 RU. Also available in 52 RU
2. **PR2V06ATC:** PatchRunner 2 Top Cap. Available in 6 in., 8 in., 10 in. and 12 in. widths
3. **R4PATC:** Adjustable R4P Top Cap
4. **PE2V1036TC:** PatchRunner 2 Enhanced Top Cap. Available in 6 in., 8 in., 10 in. and 12 in. widths
5. **AR4PATC:** Adjustable AR4P Top Cap

ENGINEERING DRAWINGS

AR4PATC

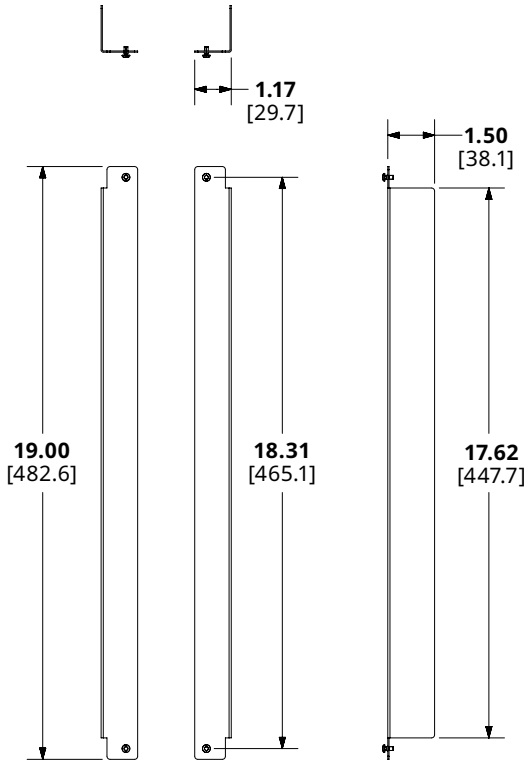


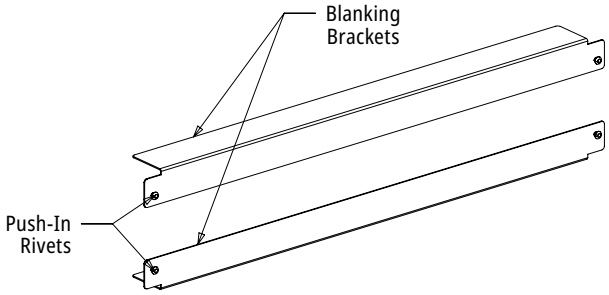
R4PATC



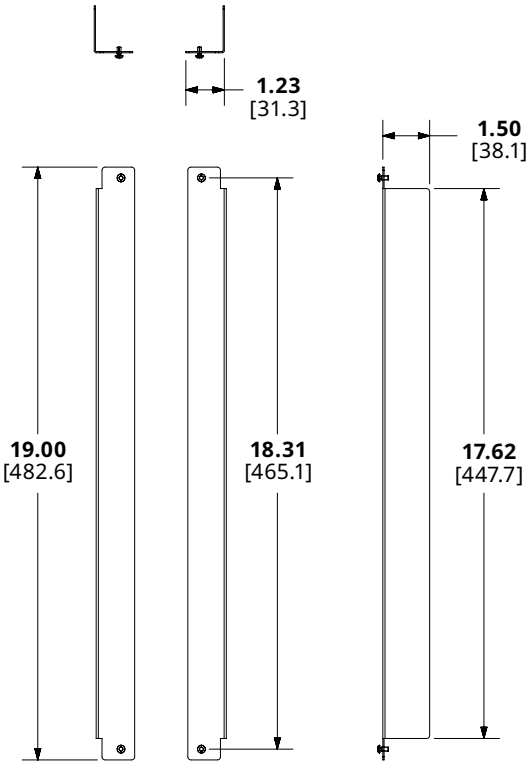
Dimensions are in inches. [Dimensions in brackets are metric].

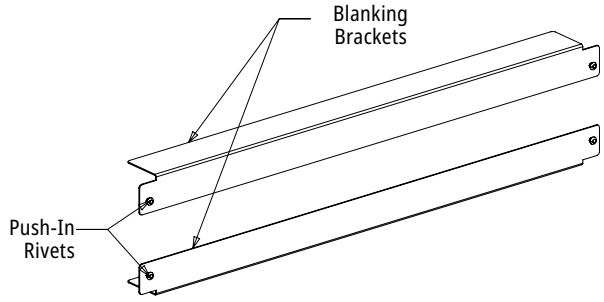
PE2V06BBP





PE2V08BBP





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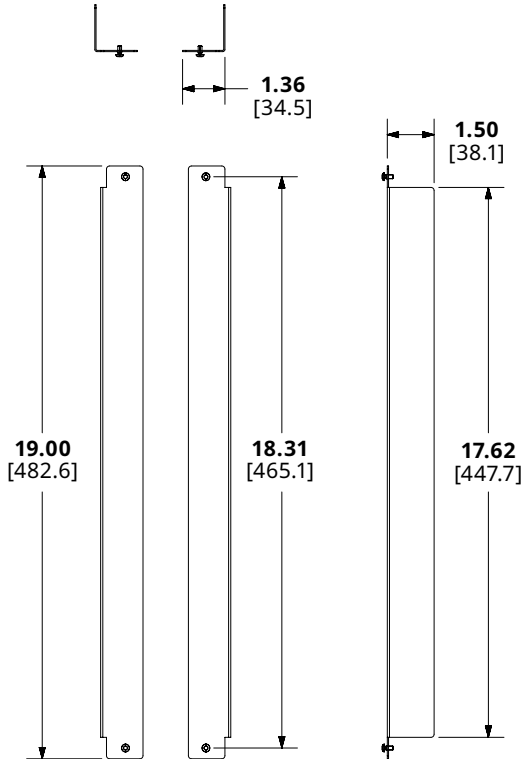
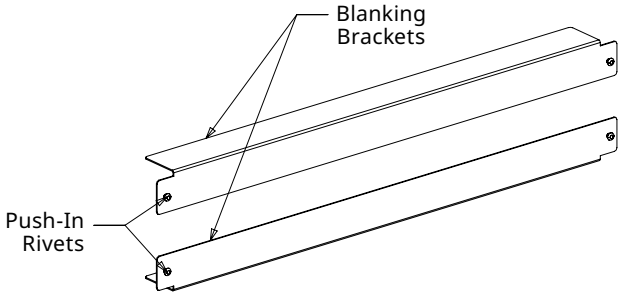
PE2V10BBP





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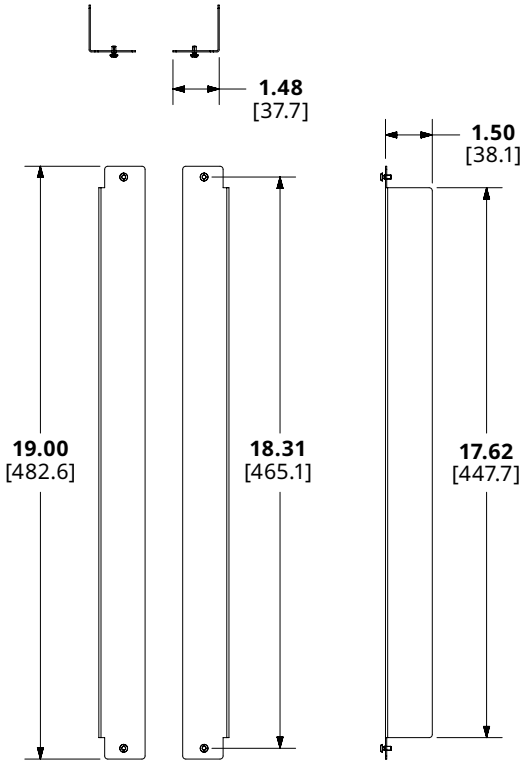

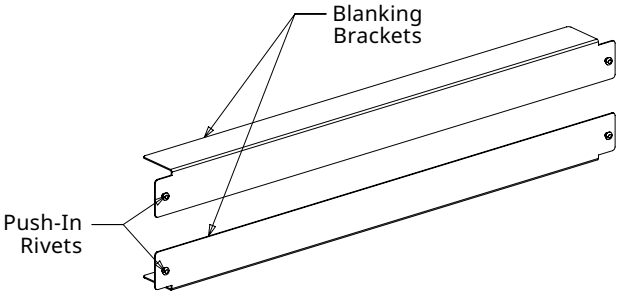

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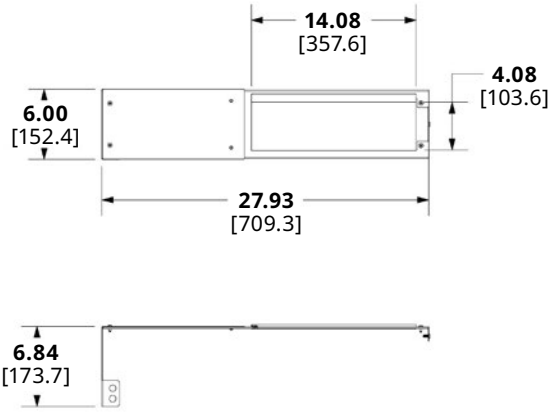
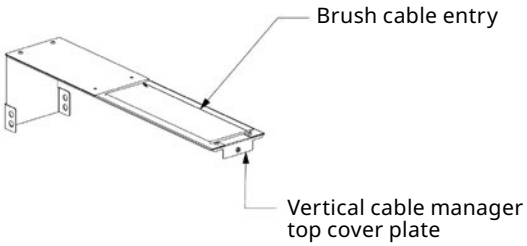
PE2V0636TC





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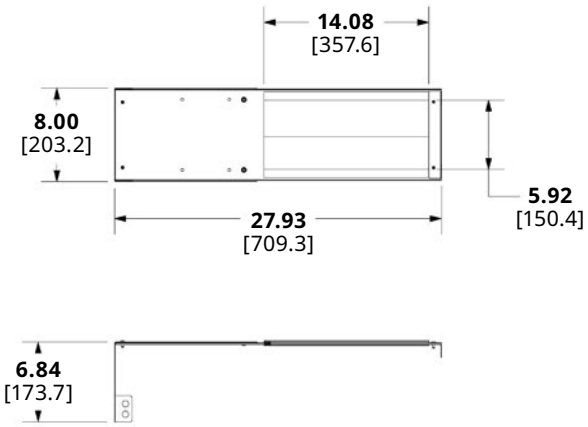

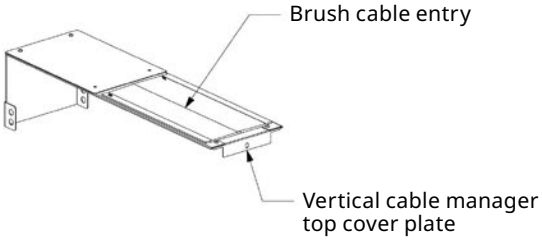

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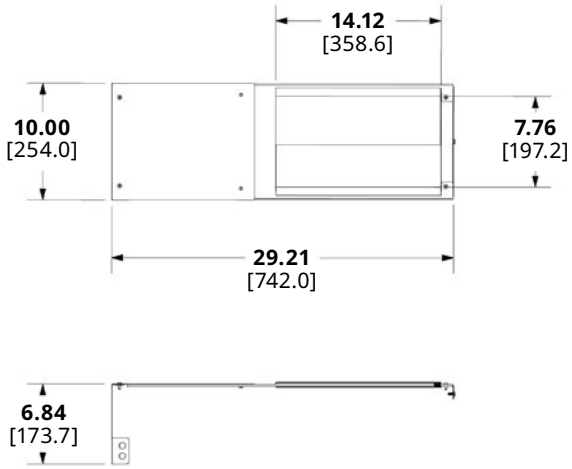

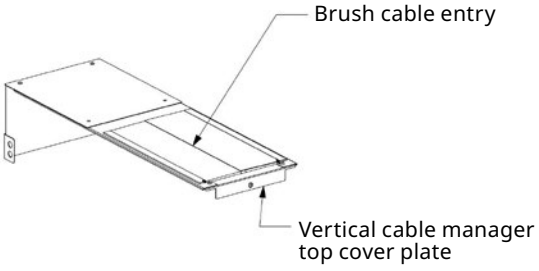

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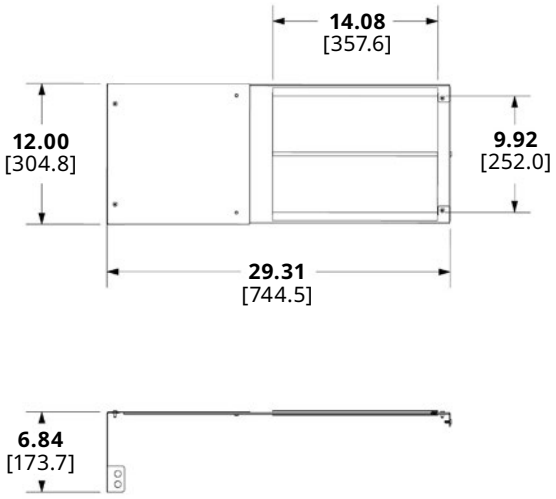
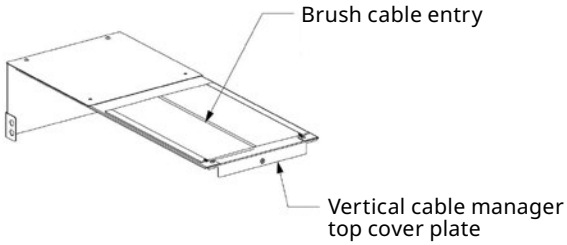
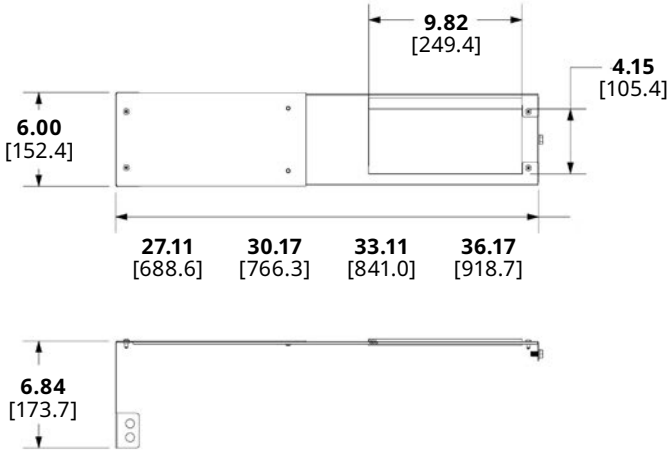
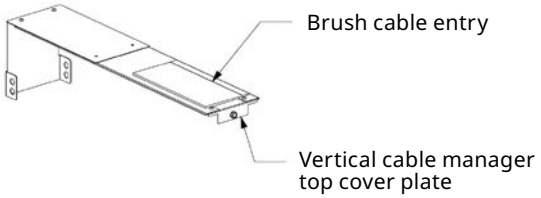




PR2V06ATC





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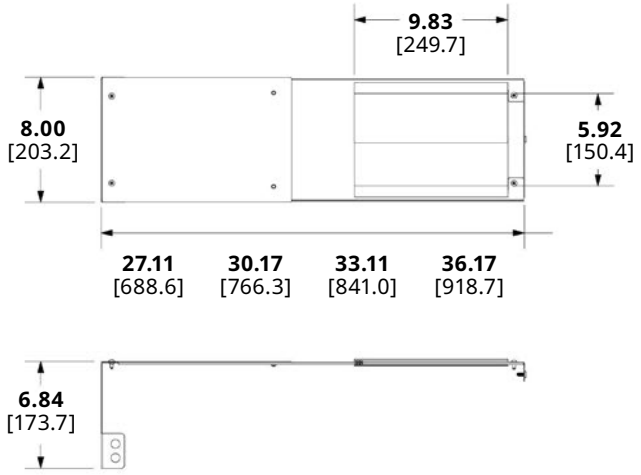

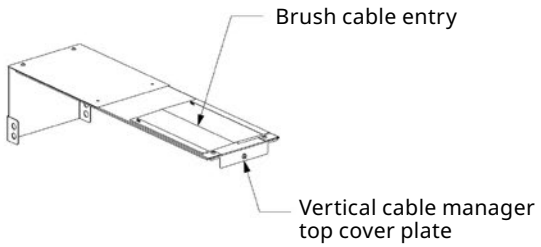

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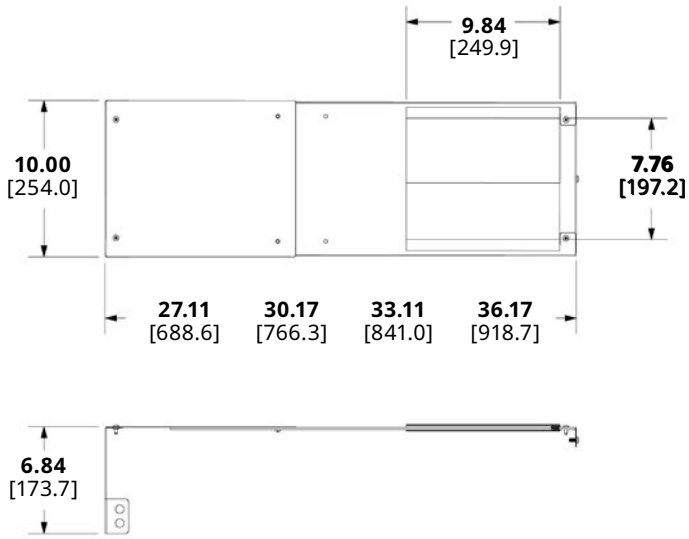

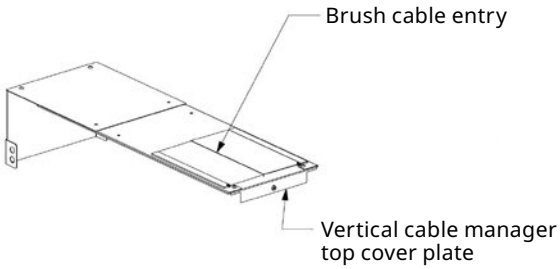

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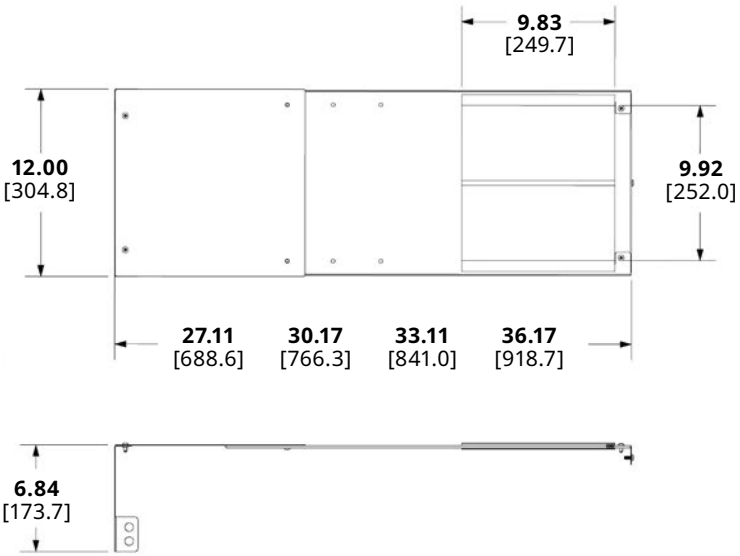

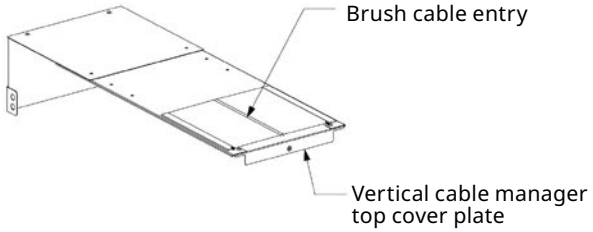

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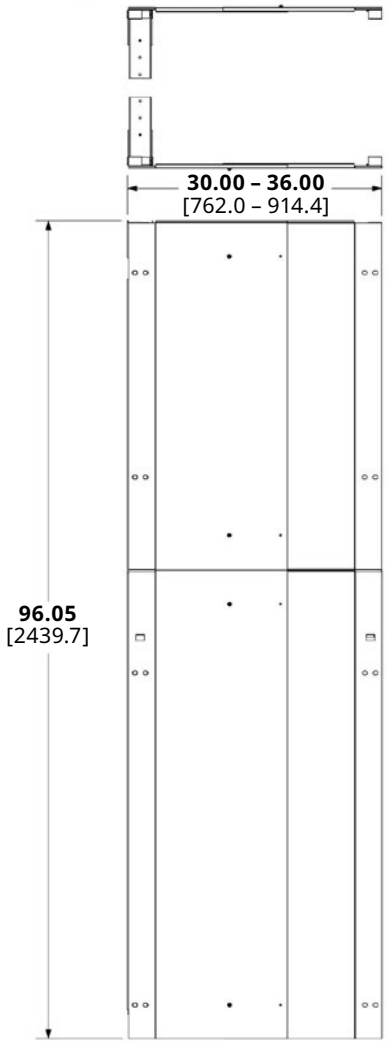
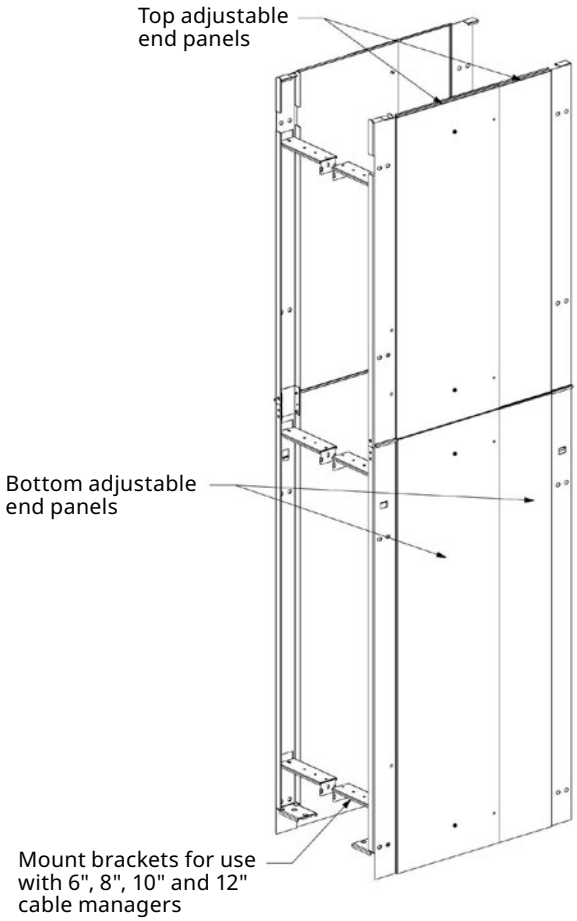
P2V96AEP2





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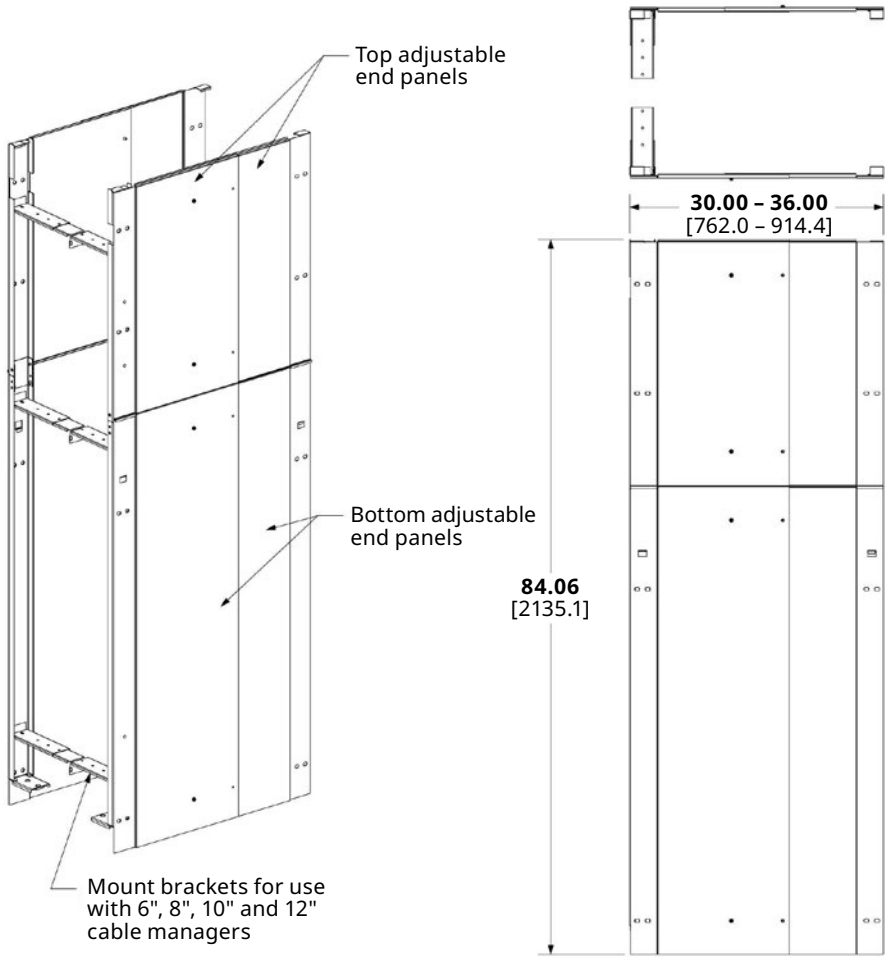
Open Frame Rack Containment System

P2VAEP2



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