

NetShelter Mounting Rail Depth

How to calculate the distance between mounting rails (available mounting depth) as cable management is added

Presented by:

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So, what's the issue?

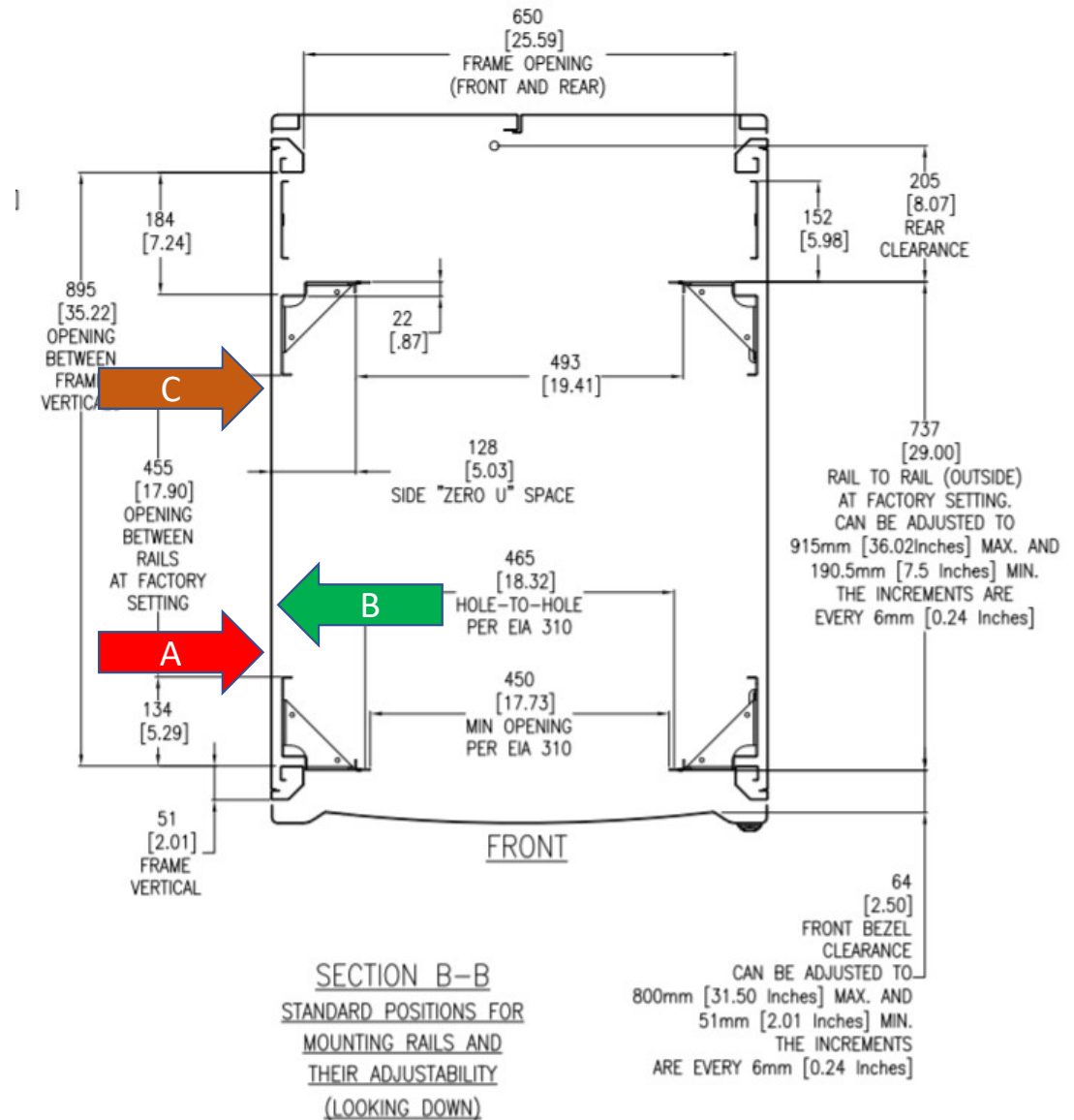
- As cable management products are added to the front and rear of cabinets, the mounting rails move inward. This can sometimes result in the usable mounting depth (the depth between the rails) being less than the minimum mounting depth of the equipment mounting rails.
- Equipment manufacturers can provide short-depth rail kits, but many times a customer doesn't discover this issue until they're installing equipment and must stop to order the short-depth rail kits.
- Knowing the usable mounting depth ahead of time allows a customer to either order the correct rails in a timely manner, or move to a deeper cabinet.

AR3150, AR3155, AR3157

A) When finger style cable managers are added to the front of the cabinet the rails move back 7.5", and the available mounting depth is now 21.5".

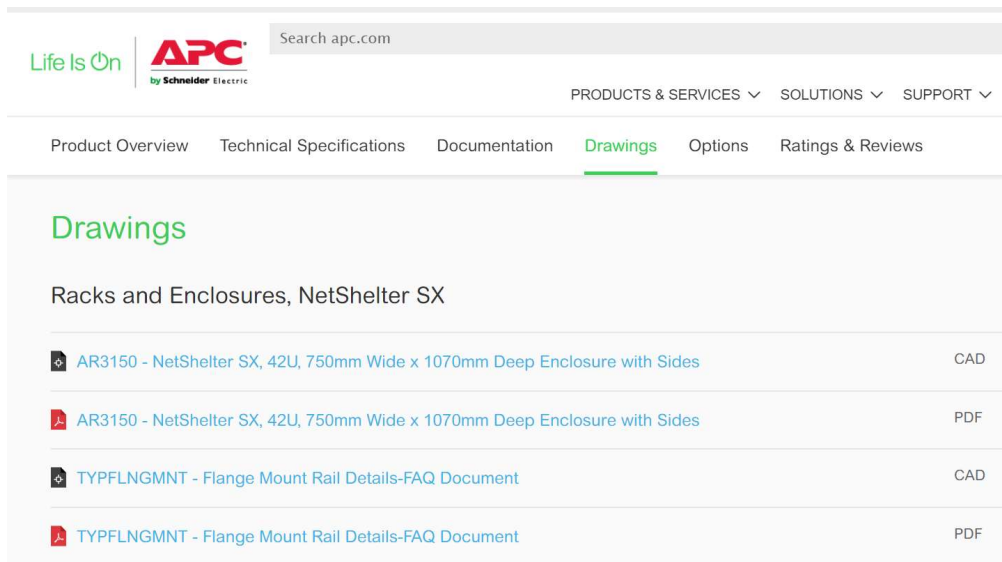
B) When covers are added the rails are moved back another 3.25", and the available mounting depth is now 18.25 inches.

C) If an additional PDU/accessory mounting rail is installed in the rear, the rear mounting rails are moved in 5". This leaves 13.25" available mounting depth. This is when it may become necessary to use short-depth rail kits for the IT equipment.



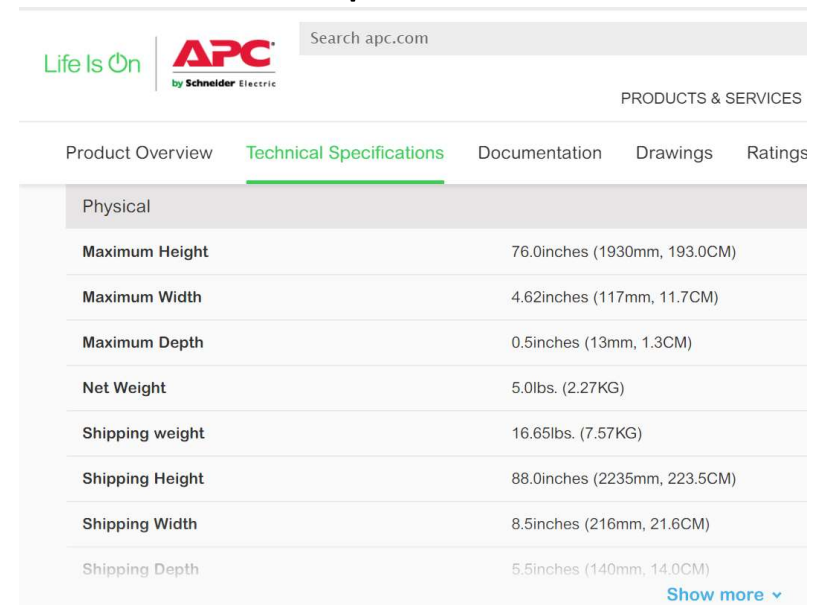
How to find Dimensions to Calculate Available Mounting Depth

- Cabinet drawings are available on the APC website on the cabinet's page, under the Drawings tab:



The screenshot shows the APC website interface. At the top, there is a search bar with the text "Search apc.com" and the APC logo. Below the search bar, there are navigation tabs: "PRODUCTS & SERVICES", "SOLUTIONS", and "SUPPORT". Underneath, there are more specific navigation options: "Product Overview", "Technical Specifications", "Documentation", "Drawings" (which is highlighted with a green underline), "Options", and "Ratings & Reviews". The main content area is titled "Drawings" and lists "Racks and Enclosures, NetShelter SX". Below this, there are four drawing entries, each with a file icon, a title, and a format: "AR3150 - NetShelter SX, 42U, 750mm Wide x 1070mm Deep Enclosure with Sides" (CAD), "AR3150 - NetShelter SX, 42U, 750mm Wide x 1070mm Deep Enclosure with Sides" (PDF), "TYPFLNGMNT - Flange Mount Rail Details-FAQ Document" (CAD), and "TYPFLNGMNT - Flange Mount Rail Details-FAQ Document" (PDF).

- Product width specifications are available on the APC website under the Technical Specifications tab:



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Specification	Value
Maximum Height	76.0inches (1930mm, 193.0CM)
Maximum Width	4.62inches (117mm, 11.7CM)
Maximum Depth	0.5inches (13mm, 1.3CM)
Net Weight	5.0lbs. (2.27KG)
Shipping weight	16.65lbs. (7.57KG)
Shipping Height	88.0inches (2235mm, 223.5CM)
Shipping Width	8.5inches (216mm, 21.6CM)
Shipping Depth	5.5inches (140mm, 14.0CM)

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