

Middle Atlantic Products, Inc.
Phone (973) 839-1011
Fax (973) 839-1976
Website middleatlantic.com
E-mail info@middleatlantic.com

January 2019

Product Guide Specification

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including *MasterFormat*, *SectionFormat*, and *PageFormat*, as described in *The Project Resource Manual—CSI Manual of Practice*.

The section must be carefully reviewed and edited by the Architect or Engineer to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings. Delete all "Specifier Notes" when editing this section.

Section numbers and titles are from *MasterFormat* 2004 Edition.

SECTION 27 11 16

COMMUNICATIONS ENCLOSURES

Specifier Notes: This section covers Middle Atlantic Products, Inc. WR Series Roll-Out Rotating System in Steel Host Enclosure. Consult Middle Atlantic Products for assistance in editing this section for the specific application.

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Roll-out rotating system in steel host enclosure.

1.2 RELATED SECTIONS

Specifier Notes: List sections with work directly related to this section.

- A.

1.3 REFERENCES

Specifier Notes: List standards referenced in this section, complete with designations and titles. This article does not require compliance with standards, but is merely a listing of those used.

- A. EIA/TIA 310D – Cabinets, Racks, Panels and Associated Equipment.
- B. ISO 9001:2000 – Quality Management Systems – Requirements.
- C. UL – Underwriters Laboratories.

1.4 SUBMITTALS

- A. Comply with Section 01 33 00 – Submittal Procedures.
- B. Product Data: Submit manufacturer's product data, including options.
- C. Warranty: Submit manufacturer's standard warranty.

1.5 QUALITY ASSURANCE

- A. Manufacturer's Qualifications: ISO 9001:2000 registered company.
- B. Conform to ISO 14025 and EN 15804 or ISO 21930 in the development of life cycle assessments (LCA) and Type III environmental product declarations (EPD).

Comentario [PF1]: Updated to match the LEED v4 credit language

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage: Store materials in clean, dry area indoors in accordance with manufacturer's instructions.
- C. Handling: Protect materials and finish during handling and installation to prevent damage.

1.7 WARRANTY

- A. Warranty Period: Product lifetime.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. Middle Atlantic Products, Inc. Phone (973) 839-1011. Fax (973) 839-1976. Website middleatlantic.com. E-mail info@middleatlantic.com.

2.2 COMMUNICATIONS ENCLOSURES

- A. Roll-Out Rotating System in Steel Host Enclosure: WR Series Roll-Out Rotating System in Steel Host Enclosure.

Specifier Notes: Specify equipment enclosure model number. Consult Middle Atlantic Products product information for available models.

1. Model: WR-_____ -32.
2. Type: 19-inch roll-out rotating system in steel host enclosure.
3. Design: Rotating roll-out design allows enhanced access to rear equipment connections, to simplify wiring.
4. Compliance: EIA/TIA 310D.
5. UL Listed: US and Canada.

Specifier Notes: Specify overall height and useable racking height.

6. Overall Dimensions:
 - a. Overall Width: 24 inches (608 mm).
 - b. Overall Height: _____ inches (_____ mm).
 - c. Overall Depth: 32.875 inches (835 mm).
7. Useable Dimensions:
 - a. Useable Racking Height: _____ rackspaces.
 - b. Useable Depth: 26 inches (660 mm).
8. Weight Capacity: 750 pounds when 1/2 of total equipment weight is mounted in lower 1/3 of rack.
9. Construction: Fully welded, factory assembled.
10. Top and Bottom (Rack and Outer Frame) and Roller Carriage: 14-gauge steel.
11. Side Panels and Horizontal Braces: 16-gauge steel.
12. Rackrail:
 - a. 11-gauge steel with tapped 10-32 mounting holes in universal EIA spacing.
 - b. Finish: Black e-coat.
 - c. Rackspaces: Marked.
13. Knockouts:
 - a. Easily removable for cable pass-through.
 - b. Removable rear knockout panels.
 - c. Electrical Knockouts: 1/2 inch, 3/4 inch, 1 inch, and 1-1/2 inches in base and top.
 - d. BNC Knockouts: 5/8-inch UHF/VHF antenna knockout in top.
 - e. Sides:
 - 1) Four knockouts per side for 4-inch electrical conduit and cable pass-through.
 - 2) Four 11/32-inch knockouts per side for ganging.
14. Detachable Rack Frame: Allows for off-site integration.
15. Roll-Out Frame: Ships installed in rack.
16. Lacing Points: Throughout interior to facilitate cable management.

2.3 OPTIONS

Specifier Notes: Specify required options. Delete options not required. Consult Middle Atlantic Products for more information.

- A. Solid Front Door: 16-gauge steel, 3-inch clearance depth.
- B. Zero-space shelf kit.

- C. Rear Rail Kit: 11-gauge steel, 10-32 threaded, pair, includes hardware.
- D. Top Panel: 16-gauge steel, [solid] [accepts 10-inch fan] [accepts four 4-1/2-inch fans] [vented].
- E. Integrated Fan Top:
 - 1. Proportional speed, thermostatic fan control.
 - 2. Fans: [Four 4-1/2-inch quiet fans] [10-inch fan].
- F. Rear Access Pan: 18-gauge steel.
- G. Grommet Rings: For 4-inch diameter electrical knockouts in sides of enclosure, 4 pieces.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine areas to receive roll-out rotating system in steel host enclosure.
- B. Notify Architect of conditions that would adversely affect installation or subsequent use.
- C. Do not begin installation until unacceptable conditions are corrected.

3.2 INSTALLATION

- A. Install roll-out rotating system in steel host enclosure in accordance with manufacturer's instructions at locations indicated on the Drawings.
- B. Install roll-out rotating system in steel host enclosure plumb, level, and square.

3.3 ADJUSTING

- A. Adjust operating hardware to operate smoothly without binding.
- B. Repair minor damages to finish in accordance with manufacturer's instructions and as approved by Architect.

3.4 PROTECTION

- A. Protect installed roll-out rotating system in steel host enclosure from damage during construction.

END OF SECTION