

Section 10916

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division-1 Specification sections, apply to the work of this section.

1.2 SUMMARY

A. This section includes the following 'Ventilated Wire Storage Shelving': Free Slide Shelving, Tight Mesh Shelving, Double Lip Shelving, Corner Shelves, Shelf and Rod, and Linen Shelving.

1.3 SUBMITTALS

A. Product Data: For each type of ventilated wire storage shelving specified. Include details of construction and connections relative to materials, dimensions of individual components, and accessories.

Include manufacturer's fabrication and assembly instructions of shelving connections, bracing and hardware attachments to other work.

B. Samples: Of each ventilated wire storage shelving required, not less than 12 inches long in size.

1.4 QUALITY ASSURANCE

A. Single Source Responsibility: Obtain ventilated wire storage shelving from a single manufacturer.

1.5 DELIVERY, STORAGE AND HANDLING

A. Comply with instructions and recommendations of manufacturer for special delivery, storage, and handling requirements.

B. Store Shelving in a manner to avoid significant or permanent deflection of shelves.

1.6 COORDINATION

A. Coordinate layout and installation of ventilated wire storage shelving with other construction to which it is attached including floor, partitions and wall assemblies.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, provide products by the following:

Rubbermaid Home Products

2.2 MATERIALS

A. All ventilated wire storage shelving shall be constructed of Grade C-1008 bright, basic, cold-drawn steel wire with average tensile strength of 100,000 psi.

B. All steel wire shall be resistance welded at intersections of cross deck wires spaced at 1" increments and trimmed smooth.

C. Tight mesh steel wire spacing shall be on 1/2" increments and trimmed smooth.

2.3 FINISHES

A. Material shall be cleaned and covered with an iron phosphate coating to ensure proper bond with finish coat.

B. Finish all ventilated wire shelving with baked-on non-toxic and environmentally friendly epoxy coating.

C. Finish coat shall consist of an continuous 3-5 mil epoxy-polyester hybrid powder coating to provide a hard, smooth, durable finish.

2.4 MOUNTING HARDWARE

A. Mounting hardware components shall provide shelving installation to drywall partitions, walls without requiring mounting to concealed structural members.

B. Support braces are required for 36" to 42" span.

C. Back clips shall be mounted on 12" increments beginning 1-1/2" to 2" from side wall.

2.5 SHELVING ACCESSORIES

A. Shelving installation aids available to assist in the installation of shelving components.

- 12" and 16" installation templates

- 9" and 20" installation templates

- Pneumatic cutter

- Cutter replacement jaws

- White epoxy touch-up paint

B. Fast Set preloaded installation system developed to secure shelving system to adjacent walls.

- 1/2" and 5/8" back clips

- 1/2" and 5/8" flapless back clips

- Wall bracket

- Free slide wall bracket

- Shoe shelf support

- Wall anchor

C. Support braces used to support front edge of shelving system.

- 9", 10", 12", and 16" support brace-Fast Set

- 12" joiner support brace

- 9", 12" and 16" universal support brace

D. Miscellaneous hardware for complete installation of shelving system.

- Small, large and tight mesh end caps

- Metal corner bracket

- Phillips screws

- 1/4" anchors

- Rod spacer clips

- Free slide rod spacer cap

- Joiner plate set

- Free slide joiner plate

- Free slide joiner plate and rod spanner

- All purpose clamp

- Wall bracket
- Free slide wall bracket
- Angle wall bracket
- Anchorless back clips
- Shoe shelf support
- Shelf edge trim
- F channel, 8 ft. lengths

E. Pole systems

- 68" pole
- 84" pole
- Square pole caps
- #8 self tapping screw
- Pole clamp
- Tight mesh pole clamp
- 1/2" self-tapping screw

2.6 FABRICATION

A. Fabricate ventilated wire storage shelving square, rigid, flat, and free of dents or distortion. Fabricate connections to form a rigid structure, free of buckling and warping.

PART 3 - EXECUTION

3.1 INSPECTION

A. Examine areas and conditions for compliance with requirements for installation tolerances, clearances, and other conditions affecting installation.

B. Examine walls to which ventilated wire storage shelving will be attached for proper selection of appropriate fastening hardware.

C. Installation hardware shall be included which does not require attachment to concealed structural framing.

D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Install shelving system and accessories after finishing operations, including painting have been completed. Install system to comply with final layout drawings, in strict compliance with manufacturers printed instructions. Position units level, plumb; at proper location relative to adjoining units and related work. Adjust accessories to provide visually acceptable installation.

3.3 FIELD QUALITY CONTROL

A. Remove and replace shelving components that are chipped, scratched, or otherwise damaged and which do not match adjoining work. Provide new matching units, installed as specified and in manner to eliminate evidence of replacement.

3.4 ADJUST

A. Adjust components and accessories to provide visually acceptable installation.

3.5 CLEANING

A. Remove surplus materials, rubbish and debris resulting from installation upon completion of work and leave areas of installation in neat, clean condition.