

SECTION 10 57 23.13

ADJUSTABLE WIRE SHELVING

CLOSETMAID® Adjustable Mount Hardware System

ClosetMaid®, a division of Emerson, is a leading manufacturer of storage and organization systems and provider of professional design services for residential and non-residential applications. For over 50 years, ClosetMaid has expanded from its core business of ClosetMaid ventilated wire shelving systems to a broader range of storage systems supporting new construction and remodeling segments of the market. In addition to ClosetMaid's world headquarters and primary manufacturing facility located in Ocala, Florida, they also maintain plants in Maryland, Mexico and China; distribution centers in the South, Southeast, East and West Coasts.

ShelfTrack® Adjustable Mount Hardware is a wall-mount hardware system of hang tracks, standards and brackets supporting wire or solid-surface shelving that allows for shelf height and position adjustability anytime. Configurable to meet ADA requirements.

Maxload® is a heavy duty ShelfTrack Adjustable Mount Hardware system ideal for garage or utility storage applications

Follow the instructions listed in the SPECIFIER NOTE included throughout the specification. Edit carefully to suit project requirements. Modify as necessary and delete paragraphs that are not applicable. Note that the "SPECIFIER NOTE" are included as "Hidden Text" in MS-Word. Display hidden notes to specifier by using "Tools"/"Options"/"View"/"Hidden Text".

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Adjustable mount wire shelving.

1.2 RELATED SECTIONS

- A. Section 06 10 00 - Rough Carpentry.
- B. Section 06 20 00 - Finish Carpentry.
- C. Section 09 21 16 - Gypsum Board Assemblies.
- D. Section 03 0.00 – Cast-In-Place Concrete Walls.
- E. Section 04 20.00 – Unit Masonry Walls.
- F. Section 10 57 23.14 - Fixed Wire Closet and Utility Shelving
- G. Section 12 32 16 Manufactured Plastic -Laminate-Clad Casework

1.3 SUBMITTALS

- A. Submit under provisions of Section 01300.

- B. Product Data: Manufacturer's data sheets on each product to be used, including: Preparation instructions and recommendations, Storage and handling requirements and recommendations, and Installation methods.

- C. Shop Drawings: Prepared specifically for this project; show dimensions of shelving and interface with other products.

- D. LEED Submittals: Provide documentation of how the requirements of Credit will be met:
 - 1. Product Data for Credit IEQ 4.2 (1 Point): For paints and coatings having low-emitting materials with documentation indicating compliance with:
 - a. Product: Vinyl-coated shelving

 - 2. Product Data for Credit IEQ 4.5 (1 Point): For low emitting materials - furniture and furnishings.
 - a. Product: Vinyl-coated shelving.

 - 3. Product Data for Credit MR 4 (1 or 2 Points): For products having recycled content, documentation indicating percentages of 10% to 20% by total value of post-consumer and pre-consumer recycled content (Innovation in Design Credit +1 point for exemplary performance by achieving a total recycled-content value of 30% or more). Include statement indicating cost for each product having recycled content and comply with:
 - a. ISO 14021-1999 environmental labels and declarations self-declared environmental claims (type II environmental labeling).

 - b. California Department of Health Services "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources using Small-Scale Environmental Chambers", including 2004 addenda.

 - c. Product: Vinyl-coated, ventilated wire shelving.

 - 4. Product Data for Credit MR 5 (1 or 2 Points): For building materials or products extracted, harvested or recovered within 500 miles of project site for 10% or 20% based on cost of total materials value. (Only the percentage by weight can contribute to the regional value if only a

fraction of the product is extracted, harvested or recovered and manufactured locally.)

- a. Product: Vinyl-coated, ventilated wire shelving.
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- E. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
 - F. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.
 - G. Manufacturer's Certificates: Certify products meet or exceed specified requirements.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum ten years documented experience of the same type and scope as specified.
- B. Installer Qualifications: Company specializing in the installation of the products specified in this section with a minimum of five years demonstrated experience in installing products of the same type and scope as specified.
- C. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
 - 1. Finish areas designated by Architect.
 - 2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.

3. Refinish mock-up area as required to produce acceptable work.

1.5 WARRANTY

- A. At project closeout, provide to Owner or Owner's Representative an executed copy of the manufacturer's standard limited warranty against manufacturing defect, outlining its terms, conditions, and exclusions from coverage.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: ClosetMaid Corp., which is located at: 650 S.W. 27th Ave.; Ocala, FL 34471; Toll Free Tel: 800-221-0641; Tel: 352-401-6338; Fax: 352-732-2140; Email: [request info \(lou.cuomo@emerson.com\)](mailto:request info (lou.cuomo@emerson.com)); Web: www.closetmaid.com
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.
- D. Provide all storage shelving and accessories from a single manufacturer.

2.2 MATERIALS

- A. Steel Wire: Basic cold drawn, Grade C-1006; average tensile strength over 100,000 psi (690 MPa); coated.
- B. Wire Coating: Proprietary heavy-duty polyvinyl chloride (PVC) formula resin, plasticizers, stabilizers, pigments, and other additives.
 - 1. Thickness: 7 to 17 mil (0.178 to 0.432 mm).
 - 2. Classification: No ingredients listed as hazardous per OSHA 29CFR1910.0017.
- C. Hang Track: Hot-rolled sheet metal, Grade C-1008/C-1010; epoxy-coated.
- D. Standards: Sheet metal, Grade C-1006; epoxy coated
- E. Ventilated Shelf Bracket: Sheet metal, High strength steel; epoxy coated

2.3 ADJUSTABLE SHELFTRACK HARDWARE SYSTEM

- A. HangTrack, Standards and Brackets: Can be used with SuperSlide, Heavy Duty, Linen, Shelf & Rod and Close Mesh 12 inch, 16 inch, or 20 inch Decking.
 - 1. Hang Track: Use to hang standards. Creates one step leveling and eliminates the need to install each standard separately
 - a. Part # 2826 40 inch length
 - b. Part # 2836 80 inch length
 - 2. Standard: Attaches to hang track. Provides adjustable height options for hanging shelving. Space standards no more than 24 inches apart and no more than 4 inches from each end of shelf.
 - a. Part # 2800 12 inch length.

- b. Part # 2801 30 inch length.
 - c. Part # 2008 48 inch length.
 - d. Part # 2804 60 inch length.
 - e. Part # 2012 84 inch length.
3. Bracket: Attaches to standard to support shelving. Use a bracket that is the same depth as your shelving. Exception: 16 inch Shelf & Rod or 16 inch TotalSlide installation requires a 12 inch bracket.
- a. Part # 2853 12 inch length.
 - b. Part # 2854 16 inch length.
 - c. Part # 2855 20 inch length.
4. Shoe Shelf Support: Attaches to standard to support shelf at an angle for shoes.
5. Color: Epoxy coated.
- a. White
 - b. Nickel
 - c. Satin Chrome

B. SuperSlide/Linen Wire Shelving:

1. Size:
- a. Part # 30600: 12 foot long Linen 6 inches deep.
 - b. Part # 31021: 12 foot long Linen 9 inches deep.
 - c. Part # 32521: 12 foot long Linen 20 inches deep.
 - d. Part # 564021: 12 foot long Low Profile Linen SuperSlide/All-Purpose 12 inch.
 - e. Part # 564221: 12 foot long Low Profile Linen SuperSlide/All-Purpose 16 inch.

2. Cross Deck Spacing: 1 inch (25 mm) 12-3/4 GA wire.
3. Color:
 - a. White PVC Coated Wire.
 - b. Satin Chrome PVC Coated Wire.
4. Performance: System is capable of a maximum static load of _____.
5. Mounting System: Provide ShelfTrack adjustable system mounting hardware as required using hardware components recommended by the manufacturer.
6. Hardware Accessories: Provide the following hardware accessories as required.
 - a. Provide ShelfTrack adjustable system hardware as required using hardware components recommended by the manufacturer.
 - b. Continuous-Slide Closet Rod Attachments:
 - 1) TotalSlide Pro: 3/32 inch diameter closet rod hardware
 - (a) Color:
 - (1) White
 - (2) Satin Chrome
 - (b) Corner Closet Rod: Part # 794900
 - (c) Corner Support Bracket: Part # 793100
 - 2) SuperSlide 3/4 inch (19 mm) diameter closet rod and support hardware:
 - (a) Color:
 - (1) White
 - (2) Chrome
 - (3) Satin Chrome
 - (b) Corner Closet Rod: Part # 564900/574800
 - (c) Closet Rod Support Bracket: Part # 92500

- c. Shoe Shelf Support: Attaches to standard and shelf at an angle for shoes. Shelf would be installed lip up to keep shoes in place.

C. TotalSlide Shelving

- 1. Size:
 - a. Part # 591401: 12 foot long TotalSlide 12 inch.
 - b. Part # 591801: 12 foot long TotalSlide 16 inch.
- 2. Cross Deck Spacing: 1 inch (25 mm) 12-3/4 GA wire.
- 3. Color:
 - a. White PVC Coated Wire.
 - b. Satin Chrome PVC Coated Wire.
- 4. Performance: System is capable of a maximum static load of _____.
- 5. Mounting System: Provide ShelfTrack adjustable system mounting hardware as required using hardware components recommended by the manufacturer.
- 6. Hardware Accessories: Provide the following hardware accessories as required.
 - a. Provide the ShelfTrack adjustable system hardware as required using hardware components recommended by the manufacturer.

D. Shelf & Rod Wire Shelving

- 1. Size:
 - a. Part # 30000: 12 foot long Shelf & Rod 12 inches deep.
 - b. Part # 30500: 12 foot long Shelf & Rod 16 inches deep.
 - c. Part # 31600: 12 foot long Shelf & Rod 10 inches deep.

- d. Part # 3730400: 12 foot long Shelf & Rod 16 inches deep with 10 inch Hang
 2. Cross Deck Spacing: 1 inch (25 mm) 12-3/4 GA wire.
 3. Color: White PVC Coated Wire.
 4. Performance: System is capable of a maximum static load of _____.
 5. Mounting System: Provide ShelfTrack adjustable system mounting hardware as required using hardware components recommended by the manufacturer.
- E. Heavy Duty Shelving
1. Size:
 - a. Part # 73100: 12 foot long Heavy Duty 12 inch.
 - b. Part # 73300: 12 foot long Heavy Duty 16 inch.
 2. Cross Deck Spacing: 1 inch (25 mm) 12-3/4 GA wire.
 3. Color: White PVC Coated Wire.
 4. Performance: System is capable of a maximum static load of _____.
 5. Mounting System: Provide ShelfTrack adjustable system mounting hardware as required using hardware components recommended by the manufacturer.
 6. Hardware Accessories: Provide the following hardware accessories as required.
 - a. Provide ShelfTrack adjustable system hardware as required using hardware components recommended by the manufacturer.
 - b. Continuous-Slide Closet Rod Attachments:
 - 1) TotalSlide Pro: 3/32 inch diameter closet rod support hardware
 - (a) Color:
 - (1) White

- (2) Satin Chrome
 - (b) Corner Closet Rod: Part # 794900
 - (c) Corner Support Bracket: Part # 793100
- 2) SuperSlide 3/4 inch (19 mm) diameter closet rod and support hardware:
 - (a) Color:
 - (1) White
 - (2) Chrome
 - (3) Satin Chrome
 - (b) Corner Closet Rod: Part # 564900/574800
 - (c) Closet Rod Support Bracket: Part # 92500

F. Close Mesh Shelving

- 1. Size:
 - a. Part # 31800: 12 foot long Close Mesh 16 inches deep.
 - b. Part # 40200: 12 foot long Close Mesh 12 inches deep.
 - c. Part # 40300: 12 foot long Close Mesh 20 inches deep.
 - d. Part # 3740400: 12 foot long Close Mesh 9 inch.
- 2. Cross Deck Spacing: 5/8 inch (16 mm) 13-1/2 GA wire.
- 3. Color:
 - a. White PVC Coated Wire.
 - b. Satin Chrome PVC Coated Wire.
- 4. Performance: System is capable of a maximum static load of _____.

5. **Mounting System:** Provide the fixed mount system mounting hardware as required using hardware components recommended by the manufacturer.
6. **Hardware Accessories:** Provide the following hardware accessories as required.
 - a. Provide the fixed mount system hardware as required using hardware components recommended by the manufacturer.

G. Linen Shelving

1. **Size:**
 - a. Part # 30600: 12 foot long Linen 6 inches deep.
 - b. Part # 3731021: 12 foot long Linen 9 inches deep.
 - c. Part # 32521: 12 foot long Linen 20 inches deep.
 - d. Part # 564021: 12 foot long Low Profile Linen SuperSlide/All-Purpose 12 inch.
 - e. Part # 564221: 12 foot long Low Profile Linen SuperSlide/All-Purpose 16 inch.
2. **Cross Deck Spacing:** 1 inch (25 mm) 12-3/4 GA wire.
3. **Color:**
 - a. White PVC Coated Wire.
 - b. Satin Chrome PVC Coated Wire.
4. **Performance:** System is capable of a maximum static load of _____.
5. **Mounting System:** Provide ShelfTrack adjustable system mounting hardware as required using hardware components recommended by the manufacturer.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.

- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

- C. Verification of Conditions:
 - 1. Prepared spaces are sized and located in accordance with shop drawings.
 - 2. Framing, reinforcement, and anchoring devices are correct type and are located in accordance with shop drawings.

- D. Installer's Examination:
 - 1. Examine conditions under which installation is to be performed; submit written notification if such conditions are unacceptable.
 - 2. Installation activities started before unacceptable conditions have been corrected is prohibited.
 - 3. Installation indicates installer's acceptance of conditions.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.

- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install in accordance with approved shop drawings and manufacturer's printed instructions.
- B. Cut shelves 1/2 inch to 1-3/8 inches (12.7 to 35 mm) shorter than actual wall measurements; cap all exposed ends.
- C. Install shelving plumb and level at heights indicated in accordance with shop drawings and manufacturer's printed installation instructions.
- D. Drill holes where required using sharp bit; do not punch.

3.4 CLEANING

- A. As work proceeds, maintain premises free of unnecessary accumulation of tools, equipment, surplus materials, and debris related to this work.
- B. Upon completion of installation, clean all surfaces that have become soiled during installation.

3.5 PROTECTION

- A. Protect installed products until completion of project.

- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION