

SECTION 10 57 23
CLOSET AND UTILITY SHELVING

PART 1 GENERAL

1.1 STIPULATIONS

- A. The specifications sections "General Conditions to the Construction Contract", "Special Conditions" and "Division 01 - General Requirements" form a part of this Section by this reference thereto, and shall have the same force and effect as if printed herewith in full.

1.2 SECTION INCLUDES

- A. Wall mounted adjustable wire shelving.
- B. Accessories.

1.3 RELATED REQUIREMENTS

- A. Section 06 10 00 - Rough Carpentry: Blocking in walls for attachment of shelving or storage system.
- B. Section 09 21 16 - Gypsum Board Assemblies: Blocking in metal stud walls for attachment of standards or mounting rails.

1.4 SUBMITTALS

- A. Product Data: Manufacturer's data sheets on each product to be used, with installation instructions.
- B. Shop Drawings: Provide drawings prepared specifically for this project; show dimensions of shelving or storage system and attachment to substrates. Provide elevations, sections, and details indicating products by description and part number. Provide separate materials schedule for each location.
- C. Warranty Documentation: Submit manufacturer warranty and ensure that forms have been completed in Client Agency's name and registered with manufacturer.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than three years of documented experience.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store products under cover and elevated above grade.
- C. Store flat to prevent warpage and bending.
- D. In the event of damage, immediately make all repairs and replacements necessary to the approval of the Architect and at no additional cost to the Client Agency.

1.7 FIELD CONDITIONS

- A. Maintain temperature, humidity, and ventilation within limits recommended by manufacturer. Do not install products under environmental conditions outside manufacturer's limits.

1.8 PRE-INSTALLATION MEETING

- A. Contractor shall utilize the Pre-Installation Meeting Agenda and Pre-Installation Meeting Checklist documents located in e-Builder, Z - Standard Documentation & Training project: Documents \ 03 - Construction - Training and Guidance Documents \ 03 - Role Based Training and Guidance Documents \ Contractors.

1.9 WARRANTY

- A. Provide five year minimum manufacturer warranty for wire shelving systems.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Wire Storage Shelving:
 - 1. **Basis of Design:** Organized Living; freedomRail: www.organizedliving.com/#sle.
 - 2. Rubbermaid, Inc; FastTrack Premium: www.rubbermaidpro.com/#sle.
 - 3. ClosetMaid; ShelfTrack: www.closetmaidpro.com/#sle.
 - 4. Substitutions: Or equal as approved by the Professional.

2.2 WIRE STORAGE SHELVING SYSTEMS

- A. Wire Shelving: Factory-assembled coated wire mesh shelf assemblies for wall-mounting, with components and connections required to produce a rigid structure that is free of buckling and warping.
 - 1. Construction: Cold-drawn steel wire with average tensile strength of 100,000 psi resistance welded into uniform mesh units, square, rigid, flat, and free of dents or other distortions, with wires trimmed smooth.
 - 2. Coating: PVC or epoxy, applied after fabrication, covering surfaces.
 - 3. PVC Coating: 9 to 11 mils thick.
 - 4. Epoxy Coating: Nontoxic epoxy-polyester powder coating baked-on finish, 3 to 5 mils thick.
 - 5. Close-Mesh Shelves: Cross deck wires spaced at 1/2 inch.
 - 6. Color: As selected by Architect from shelving manufacturer's full line.
- B. Hang Track/Rail: Horizontal track/rail, mounted to wall; factory finished to match shelving.
- C. Track/Rail-Hung Standards for Wire Shelving: Vertically slotted channel standards with double-tab cantilever brackets to suit shelving; factory finished to match shelving.

- D. Brackets: Connected into standards for support of shelving, sized to match shelf depth; factory finished to match shelving.
- E. Fasteners: As recommended by manufacturer for mounting substrates.

PART 3 EXECUTION

3.1 COORDINATION

- A. Ensure continuous solid blocking is behind all supports.

3.2 EXAMINATION

- A. Inspect areas to receive shelving or storage system, to verify that spaces are properly prepared to receive shelf units, and are of dimensions indicated on shop drawings.
- B. Verify appropriate fastening hardware.
- C. Do not begin installation until substrates have been properly prepared.
- D. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.3 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.

3.4 INSTALLATION

- A. Install wire shelving in accordance with manufacturer's instructions, with shelf surfaces level.
- B. Cap exposed ends of cut wire shelving.

3.5 CLEANING

- A. Clean soiled surfaces after installation.
- B. Leave the area clean of all debris caused by the shelving installation.

3.6 PROTECTION

- A. Protect installed work from damage until completion of project.
- B. Touch-up, repair, or replace damaged products before Substantial Completion in a manner that eliminates evidence of replacement.

3.7 SCHEDULE

- A. Storage #208: (4) 12 inch & (4) 20 inch deep ventilated shelves

END OF SECTION