

**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