

SECTION 10 56 17
WALL MOUNTED STANDARDS AND 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. Steel shelf standards, brackets, and accessories.
- B. Shelves.
- C. See drawings for locations and configurations.

1.3 RELATED REQUIREMENTS

- A. Section 06 10 00 - Rough Carpentry: Wood blocking in walls for attachment of standards.
- B. Section 09 21 16 - Gypsum Board Assemblies: Blocking in metal stud walls for attachment of standards.

1.4 REFERENCE STANDARDS

- A. ASTM A36/A36M - Standard Specification for Carbon Structural Steel 2019.
- B. NEMA LD 3 - High-Pressure Decorative Laminates 2005.

1.5 SUBMITTALS

- A. Product Data: Manufacturer's data sheets on each product to be used.
- B. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.

1.6 QUALITY ASSURANCE

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

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Store products under cover and elevated above grade.
- B. Store products in manufacturer's unopened packaging until ready for installation.

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.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Steel Shelf Standards and Brackets:

1. **Basis of Design:** Knappe & Vogt Manufacturing Company; 87™/187™ Series: www.knappeandvogt.com/#sle.

B. Shelving:

1. **Basis of Design:** Knappe & Vogt Manufacturing Company; Decorative Shelf Board & Galvanized Steel: www.knappeandvogt.com/#sle.

C. Substitutions: Or equal as approved by the Professional.

2.2 COMPONENTS

A. Steel Shelf Standards, Brackets, and Accessories:

1. Super-Duty Shelf Standards and Brackets: Single-slotted channel standards for brackets adjustable in 2 inch increments along entire length of standard, drilled and countersunk for screws.
 - a. Product: KV 87/187.
 - b. Load Capacity: Recommended by manufacturer for loading of 540 to 1,060 pounds per pair of standards.
 - c. Finish: Electroplated, chrome-look.
 - d. Brackets: 12 gauge, 0.1046 inch sheet steel, reinforced, locking into slots with molded nylon cam lock lever; size to suit shelves; same finish as standards.
 - e. Bracket Quantity: Provide one bracket for each 12 inches of standard length or as otherwise indicated.
2. Heavy-Duty Shelf Standards and Brackets: Double-slotted channel standards for brackets adjustable in 1-1/4 inch increments along entire length of standard, drilled and countersunk for screws.
 - a. Product: KV 82/182.
 - b. Load Capacity: Recommended by manufacturer for loading of 300 to 450 pounds per pair of standards.
 - c. Finish: Powder-coated.
 - d. Color: To be selected by Architect from manufacturer's full line.
 - e. Brackets: Double tab type, locking into slots; size to suit shelves; same finish as standards.
 - f. Bracket Quantity: Provide one bracket for each 12 inches of standard length or as otherwise indicated.

B. Shelving:

1. Steel Shelves: Solid steel, 1987 Series.
 - a. Material: 14 gauge galvanized steel
 - b. Edge: Front turned-down lip and rear turned-up lip.
2. Laminate Faced Shelves: Particleboard or medium density fiberboard covered with high pressure decorative laminate on both sides.
 - a. Edge Finish: Matching laminate, all four edges.
 - b. Substrate Thickness: 5/8 inch, nominal.
 - c. Laminate: NEMA LD 3 Type HGL.
 - d. Laminate Color and Pattern: To be selected by Architect from manufacturer's full line.

- C. Fasteners: Screws as recommended by manufacturer for intended application or as otherwise required by project conditions. Finish of exposed to view fasteners to match finish of standards and other components.

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.

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 manufacturer's instructions.
- B. Mount standards or brackets to solid backing capable of supporting intended loads.
- C. Install brackets, shelving, and accessories.

3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

3.5 SCHEDULE

- A. Janitor #106: Super-Duty shelf standards and brackets; 12" deep galvanized steel shelves

- B. Storage #202: Heavy-Duty shelf standards and brackets; 12" deep laminate faced shelves
- C. Janitor #210: Super-Duty shelf standards and brackets; 12" deep galvanized steel shelves

END OF SECTION