

**| Suggested Specifications | Section 10 26 00**  
**CS Acrovyn® Models HRS-6C and HRS-6CLB**

**Part 1 - General**

**1.01 Summary**

- A. This section includes the following types of wall protection systems:
  - 1. Handrails
- B. Related Sections: The following sections contain requirements related to this section:
  - 1. Corner Guards, Bumper Guards, Crash Rails, Accent Rails, Wall Covering, Wall Panels, Door Protection; refer to section 10 26 00 "Wall and Door Protection"
  - 2. Blocking in walls for fasteners; refer to section 09 22 00 "Supports for Plaster and Gypsum Board"

**1.02 References**

- A. National codes (IBC, UBC, SBCCI, BOCA, OSHA, Life Safety, OSHPD and ADA)
- B. American Society for Testing and Materials (ASTM)

**1.03 Submittals**

General: Submit the following in accordance with conditions of contract and Division 1 specification section 01 33 00 "Submittal Procedures":

- A. Product data and detailed specifications for each system component and installation accessory required, including installation methods for each type of substrate.
- B. Shop drawings showing locations, extent and installation details of handrails. Show methods of attachment to adjoining construction.
- C. Samples for verification purposes: Submit the following samples, as proposed for this work, for verification of color, finish and end cap attachment and alignment:
  - 1. 12" (304.8mm) long sample of each model specified including end cap.
- D. Product test reports from a qualified independent testing laboratory showing compliance of each component with requirements indicated.
- E. Maintenance data for wall protection system components for inclusion in the operating and maintenance manuals specified in Division 1.

**1.04 Quality Assurance**

- A. Installer qualifications: Engage an installer who has no less than 3 years experience in installation of systems similar in complexity to those required for this project.
- B. Manufacturer's qualifications: Not less than 5 years experience in the production of specified products and a record of successful in-service performance.
- C. Code compliance: Assemblies should conform to all applicable codes including IBC, UBC, SBCCI, BOCA, OSHA, Life Safety, OSHPD and ADA.
- D. Fire performance characteristics: Provide metal components tested in accordance with ASTM E84 for Class A/1 fire characteristics.
- E. Single source responsibility: Provide all components of the wall protection system manufactured by the same company to ensure compatibility of color, texture and physical properties.

**1.05 Delivery, Storage and Handling**

- A. Deliver materials to the project site in unopened original factory packaging clearly labeled to show manufacturer.
- B. Store materials in original, undamaged packaging in a cool, dry place out of direct sunlight and exposure to the elements. A minimum room temperature of 40°F (4°C) and a maximum of 100°F (38°C) should be maintained.
- C. Material must be stored flat.

**1.06 Project Conditions**

- A. Materials must be acclimated in an environment of 65°-75°F (18°-24°C) for at least 24 hours prior to beginning the installation.
- B. Installation areas must be enclosed and weatherproofed before installation commences.

**1.07 Warranty**

**A. Acrovyn 5-year Limited Warranty**

- Applies to Interior Wall Protection orders that do not include recommended components or accessories
  - o Assemblies = Brackets, Hardware
  - o Accessories = Primer, Adhesive, Caulk, Trims & Moldings

**B. Limited Lifetime Systems Warranty**

- Applies to CS Interior Wall Protection projects that include all recommended components and accessories related to CS Interior Wall Protection Products.
  - o Assemblies = Brackets, Hardware
  - o Accessories = Primer, Adhesive, Caulk, Trims & Moldings

**Part 2 - Products**

**2.01 Manufacturers**

- A. Interior surface protection products specified herein and included on the submittal drawings shall be manufactured by Construction Specialties, Inc., 3 Werner Way, Lebanon, NJ 08833 USA 800-233-8493; email: [cet@c-sgroup.com](mailto:cet@c-sgroup.com)
- B. Drawings and specifications are based on manufacturer's literature from Construction Specialties, Inc. drawings and specifications unless otherwise indicated. Other manufacturers must be approved equal by Architect/Owner.

**2.02 Materials**

- A. Stainless Steel Components: shall be fabricated from type 304 stainless steel with a #4 satin finish; minimum strength and durability properties as specified in ASTM A240.
- B. Fasteners: All necessary fasteners to be supplied by the manufacturer.

**2.03 Handrails**

- A. Handrails to be CS Acrovyn: Surface mounted assembly consisting of stainless steel handrail furnished to field-verified dimensions with stainless steel ends and brackets installed in field. Attachment hardware shall be appropriate for wall construction.
  1. **Model HRS-6C A 5 1/4" (133.8mm) high single line stainless steel rail assembly including stainless steel end caps and round brackets. For optional stainless steel L brackets specify HRS-6CLB; 4 3/4" (120.5mm) high single line stainless steel rail assembly. Optional powder coat finish available for stainless steel rail and optional L brackets; select from standard powder coat finishes.**

**2.04 Finishes**

- A. General: Comply with NAAMM "Metal Finishes Manual" for recommendations relative to applications and designations of finishes.

**2.05 Fabrication**

- A. General: Fabricate wall protection systems to comply with requirements indicated for design, dimensions, detail, finish and member sizes. All based upon required field verified dimensions.
- B. Preassemble components in shop as much as possible to minimize field assembly.
- C. Fabricate components with wood joints lightly chamfered. Provide surfaces free of chipping, dents and other imperfections.

**Part 3 - Execution**

**3.01 Examination**

- A. Verification of conditions: Examine areas and conditions under which work is to be performed and identify conditions detrimental to proper or timely completion.
  - 1. Do not proceed until unsatisfactory conditions have been corrected.

**3.02 Preparation**

- A. Surface preparation: Prior to installation, clean substrate to remove dirt, debris and loose particles. Perform additional preparation procedures as required by manufacturer's instructions.
- B. Protection: Take all necessary steps to prevent damage to material during installation as required in manufacturer's installation instructions.

**3.03 Installation**

- A. Install the work of this section in strict accordance with the manufacturer's recommendations.
- B. Use only approved mounting hardware, and locating all components firmly into position, level and plumb.
- C. Temperature at the time of installation must be between 65°-75°F (18°-24°C) and be maintained for at least 48 hours after the installation.

**3.04 Cleaning**

- A. General: Immediately upon completion of installation, clean rails and accessories in accordance with manufacturer's recommended cleaning method.
- B. Remove surplus materials, rubbish and debris resulting from installation as work progresses and upon completion of work.

**3.05 Protection**

- A. Protect installed materials to prevent damage by other trades. Use materials that may be easily removed without leaving residue or permanent stains.