



HRS-6CN

Product Data

A single line stainless steel handrail.

Technical Data:

- 38.1mm grip
- 96.9mm wall offset
- 1.6mm thick handrail; maximum 4m length
- Minimum handrail length is 317.5mm
- Stainless Steel end caps and mounting brackets



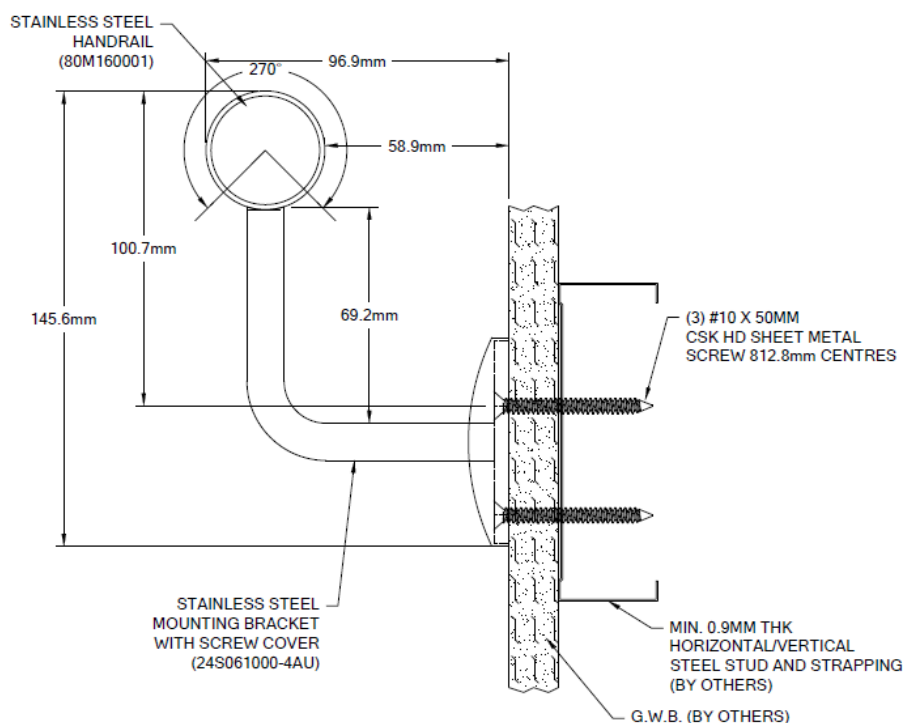
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Features:

- AS 1428.1:2009 (section 12b,c & h) compliance
- Satin finish
- Comfortable grip
- Supplied prefabricated to surveyed lengths with welded end caps and mounting brackets
- Easy to clean and maintain solution for hygienic environments
- Can be installed to curved walls (min 500 mm radius)

Options:

- Factory-formed radius (round grip only) and ramp transitions
- 90 degree and factory-mitred odd degree inside and outside corners
- HR-6CN - round grip - Acrovyn® 4000 mounting brackets
- HR-6CRBN - stainless steel brackets
- HR-6CNSS - stainless steel end caps
- HR-6CRBNSS - stainless steel brackets and end caps
- Stainless steel continuous 90 degree inside and outside corners



SUGGESTED SPECIFICATIONS
SECTION 10 26 00
CS Acrovyn Models HRS-6CN

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.** AS1428.1: 2009 (section 12b, c & h) compliance
- 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.** 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. Fire performance characteristics: Provide metal components tested in accordance with ASTM E84 for Class A/1 fire characteristics.

D. 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 4°C and a maximum of 38°C should be maintained.

C. Material must be stored flat.

1.06 Project Conditions

A. Materials must be acclimated in an environment of 18°-24°C for at least 24 hours prior to beginning the installation.

B. Installation areas must be enclosed and weatherproofed before installation commences.

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.

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 A276.

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-6CN A 145.6mm high single line stainless steel rail assembly including stainless steel end caps and round brackets. Optional powder coat finish available for stainless steel rail; 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 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.