

Corner Guards, Handrails and Bed Bumpers

Section revised and reissued by Addendum 03

PART 1 - GENERAL

1.1 Summary

- .1 Section includes:
 - .1 Corner guards (CG1) (CG2).
 - .2 Handrail (HR1).
 - .3 Bed bumpers.
 - ~~.3.4~~ Crash rails.
- .2 Section excludes:
 - .1 Pipe handrail by Section 05 50 10.
 - .2 Corner guard CG3 by Section 09 36 00.

1.2 Submittals

- .1 Submit required submittals in accordance with Section 01 33 00.
- .2 *Product* data sheets:
 - .1 Submit manufacturer's *Product* data sheets for *Products* proposed for use in the work of this section.
- .3 Samples:
 - .1 Submit 3 samples, 300 mm (12") long or 300 x 300 mm (12 x 12") in size as applicable, for each *Product* in specified finish.
- .4 Shop drawings:
 - .1 Include plans, elevations, hardware, and installation details.
 - .2 Show seam locations.
- .5 Templates:
 - .1 Submit templates to *Contractor* for use by installers and fabricators as required for proper location and installation of hardware.

1.3 Quality Assurance

- .1 Mock-up:
 - .1 Provide full mock-up of each of the following types of wall protection specified in location as designated by *Consultant*.
 - .1 Corner guards.
 - .2 Handrail.
 - ~~.2.3~~ Crash rail.
- .2 Mock-up may be incorporated in the completed work upon acceptance of *Consultant*.

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1.4 Delivery, Storage, and Handling

- .1 Package or crate, and brace *Products* to prevent distortion in shipment and handling. Label packages and crates, and protect finish surfaces by sturdy wrappings.
- .2 Deliver *Products* to location at the *Place of the Work* designated by *Contractor*.

1.5 Field Conditions

- .1 Install materials of this section only when surfaces and air temperatures have been maintained between 18°C and 24°C for 48 hours preceding installation, and will be so maintained during installation and for 48 hours thereafter. Maintain a minimum temperature of 13°C after above period. Relative humidity shall be 50 +/- 10%.
- .2 Ensure that adequate ventilation is provided during installation and curing of materials of this section.
 - .1 Do not expose wall protection to direct sunlight during or after installation.

1.6 Warranty

- .1 Warrant work of this section in accordance with Section 01 78 36.
- .2 Extended warranty:
 - .1 Labour, materials, and workmanship for work of this section.
 - .2 Duration: 2 years.

PART 2 - PRODUCTS

2.1 General

- .1 Incorporate reinforcing, fastenings and anchorage required for building-in of *Products*.
- .2 Heights of corner guards are to be full wall heights.

2.2 Corner Guard Protection

- .1 Type (CG1):
 - .1 Surface mounted, 90 mm x 90 mm (3.5" x 3.5"), 1.6 mm thick (0.063") (16 gauge) stainless steel angle in accordance with ASTM A276/A276M-17, Type 304, AISI No. 4 satin finish, radius edge.
 - .2 Acceptable Products: Construction Specialties Acrovyn Model CO-8.
 - .1 Substitutions in accordance with Section 01 25 00.
- .2 Type (CG2):
 - .1 Surface mounted, mechanically attached, 90 mm x 90 mm (3.5" x 3.5"), 1.6 mm thick (0.063") (16 gauge) stainless steel angle in accordance with ASTM A276/A276M-17, Type 304, AISI No. 4 satin finish, radius edge.
 - .2 Acceptable Products: Construction Specialties Acrovyn Model 8PH.
 - .1 Substitutions in accordance with Section 01 25 00.
- .3 Sealants: in accordance with Section 07 92 00.

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2.3 Hand Rails

- .1 Type (HR1):
 - .1 Colour: In accordance with Interior Finishes Schedule.
 - .2 Acceptable *Product*:
 - .1 In accordance with Interior Finishes Schedule.
 - .2 Substitutions: in accordance with Section 01 25 00.
 - .3 Sealants: in accordance with Section 07 92 00.

2.4 Bed Bumpers

- .1 Vertical type, surface mounted, vinyl cover with PETG:
 - .1 Size: 101.6 mm (4") wide x 508 mm (20") long x 50.8 mm (2") thick.
- .2 Colour: Monterey.
- .3 Fasteners and attachments: manufacturer's recommended product.
- .4 Acceptable *Product*:
 - .1 Amico 'Vertical Bed Bumpers'.
 - .2 Substitutions: in accordance with Section 01 25 00.

2.5 Crash Rails

- .1 Type (CR1)
 - .1 Floor mounted, mounting height to later selection by *Consultant*.
 - .2 Stainless steel, complete with stainless steel ends and bracket.
 - .3 Finish: No. 4 Satin finish.
 - .4 Acceptable *Product*:
 - .1 Construction Specialties 'Stainless Steel ECR-6SF'.
 - .2 Substitutions in accordance with Section 01 25 00.

PART 3- EXECUTION

3.1 Installation

- .1 Install work to meet manufacturer's written requirements, true, tightly fitted, and level or flush to adjacent surfaces, as suitable for installation.
- .2 Clean substrates to remove dirt, debris and loose particles prior to installation.
- .3 Fit joints and junction between components tightly and in true planes.
- .4 Install units on solid backing as indicated, and erect with materials and components straight, tight and in alignment.
- .5 Corner guards:
 - .1 Corner guard edges shall be smooth.

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- .2 Adhere corner guards with self-adhesive tape backing in accordance with manufacturer's written requirements.
- .3 Install corner guard shall be tightly fitted without gaps.
- .6 Installation for hand rails:
 - .1 Mechanically fasten with top surface parallel to finished floor line to height indicated.
 - .2 Install straight and level to a tolerance of plus or minus 3 mm (1/8") over 3000 mm (10') straight edge, non-cumulative.
- .7 Installation for bed bumpers:
 - .1 Install in accordance with manufacturer's recommendations.
 - .2 Install straight and level to a tolerance of plus or minus 3 mm (1/8") over 3000 mm (10') straight edge, non-cumulative.

END OF SECTION