

BUMPER RAIL CSI SPECIFICATIONS

GENERAL

SECTION INCLUDES

A. Aluminum and vinyl bumper rail system.

B. Rigid vinyl bumpers.

C. Flexible vinyl bumpers with inserts.

D. Mounting hardware, accessories, and trim.

RELATED SECTIONS

A. Section 09260 - Gypsum Board Systems.

B. Section 10260 - Wall and Corner Guards: Counter, wall, and corner guards.

C. Section 10263 - Corner Guards.

REFERENCES

A. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum; 1998.

B. ASTM B 221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2000.

SUBMITTALS

A. Submit under provisions of Section 01300.

B. Product Data: Manufacturer's data sheets on each product to be used, including:

1. Preparation instructions and recommendations.
2. Storage and handling requirements and recommendations.
3. Installation methods.

C. Selection Samples: Color charts consisting of actual product pieces, demonstrating full range of available colors, for initial color selection.

D. Verification Samples: 12 inch (305 mm) long assemblies, including one end cap and one corner, in colors specified.

E. Shop Drawings: Show locations of each item and installation details. Provide elevations of non-standard conditions.

DELIVERY, STORAGE, AND HANDLING

A. Store products in manufacturer's unopened packaging until ready for installation.

PRODUCTS

MANUFACTURERS

A. Acceptable Manufacturer: Taco Metals, Inc.; 50 N.E. 179th Street, Miami, FL 33162. ASD. Tel: (800) 226-8201 or 305-652-8566. Fax: (800) 653-8564. Email: sales@tacometals.com. www.tacometals.com.

B. Substitutions: Not permitted.

MATERIALS

A. Vinyl: Provide bumper rail covers extruded or molded of fire retardant, high impact polyvinyl chloride (PVC).

B. Aluminum for Retainer Track: ASTM B 221, Alloy 6063-T5; anodized finish complying with AAMA 611, Class II minimum.

C. Fasteners: Standard fasteners as approved by manufacturer for substrate.

2.3 BUMPER RAILS

A. Bumper Rails - General: Provide impact absorbing bumper that prevents damage to walls and fixtures; provide bumpers that comply with applicable local code.

B. Bumper Rails: PVC bumper on aluminum retainer track; Taco Metals Defender Bumper Rails.

1. Style: Rigid D-shaped profile (V25-9658).

a. Size: 1.0 x 1.0 inch (25 x 25 mm).

b. Caps: Matching ABS plastic.

2. Style: Rigid shallow D-shaped profile (V25-9607).

a. Size: 1.5 x 0.8 inch (38 x 20 mm).

b. Caps: Matching ABS plastic.

3. Style: Rigid shallow D-shaped profile (V25-9660).

a. Size: 2.0 x 1.1 inch (51 x 28 mm).

b. Caps: Matching ABS plastic.

4. Style: Rigid curved triangular profile with flexible PVC insert concealing fasteners (V12-0303).

a. Size: 1.5 x 1.0 inch (38 x 25 mm).

b. Caps: Cast stainless steel.

5. Style: Rigid shallow D-shaped profile with chrome insert concealing fasteners (V12-1069).

a. Size: 3.0 x 1.1 inch (76 x 28 mm).

b. Caps: Cast stainless steel.

6. Style: Flexible D-shaped profile capable of minimum 5 inch (127 mm) radius (V15-1670).

a. Size: 1.0 by 1.0 inch (25 by 25 mm).

b. Caps: Matching ABS plastic.

7. Provide end caps and corner caps as required for configuration indicated.

8. Colors: Provide colors as scheduled.

9. Colors: Provide colors as selected from manufacturer's standards.

10. Color: Green.

11. Color: Red.

12. Color: Grey.

BUMPER RAIL CSI SPECIFICATIONS continued

13. Color: Yellow.
14. Color: Black.
15. Color: Off White.
16. Color: Custom color, _____.

C. Bumper Rails: Rigid vinyl bumpers for attachment by double-sided tape; Taco Metals Defender Bumper Rails.

1. Profile: D-shape; nominal 1.5 inch (38 mm) wide by 0.5 inch (12.5 mm) high.
2. Profile: D-shape; nominal 1.0 inch (25 mm) wide by 0.375 inch (9.5 mm) high.
3. Profile: D-shape; nominal 1.5 inch (38 mm) wide by 0.25 inch (6.4 mm) high.
4. Profile: D-shape; nominal 1.125 inch (28.5 mm) wide by 0.125 inch (3 mm) high.
5. Profile: Square U-shape; nominal 2.5 inch (64 mm) wide by 1.0 inch (25 mm) high.
6. Profile: D-shape; nominal 2.0 inch (50 mm) wide by 0.75 inch (19 mm) high D-shape.
7. Profile: Rectangular shape with eased corners; nominal 1.5 inch (38 mm) wide by 0.5 inch (12.5 mm) high.
8. Profile: Square shape with eased corners; nominal 0.8 inch (20.5 mm).
9. Profile: L-shape; nominal 1.0 inch (25 mm) by 1.25 inch (32 mm).
10. Profile: L-shape; nominal 1.5 inch (38 mm) by 1.5 inch (38 mm).
11. Color: Black.
12. Color: Custom color for special order.

D. Bumper Rails: Flexible D-shaped profile vinyl bumpers with tubular insert to conceal fasteners; Taco Metals Defender Bumper Rails.

1. Size: 1.06 inch (27 mm) wide by 0.675 inch (17 mm) high.
2. Size: 1.23 inch wide (31.2 mm) wide by 0.925 inch (23.5 mm) high.
3. Color: Black.

EXECUTION

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.

PREPARATION

A. Clean surfaces thoroughly prior to installation.

INSTALLATION

A. Install bumper guards in full compliance with manufacturer's installation instructions.

B. Mount bumper guards at heights indicated on drawings. If not otherwise indicated, mount so top surface is at 32 inches above floor.

C. Measure and cut aluminum allowing appropriate space for accessories. Attach retainer track to substrate with appropriate fasteners. Attach end caps and corners into solid substrate. Snap on vinyl cover.

ADJUSTING AND CLEANING

A. Verify that bumper guards are level and are rigidly secured to substrate; make any adjustments required.

B. Clean areas of installation and bumper guard components, using materials and methods recommended by manufacturer. Remove from project site packaging and debris caused by installation.

PROTECTION

A. Protect installed products until completion of project.

B. Touch-up, repair or replace damaged products before Substantial Completion.