

SPECIAL SPECIFICATION

SECTION 10260S

WALL AND CORNER GUARDS

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Corner guards

1.02 RELATED SECTIONS

- A. Section 06100S – Rough Carpentry: Support blocking for wall and corner guard anchors.

1.03 PERFORMANCE REQUIREMENTS

- A. Installed Wall Rail Component Assembly: Support vertical live load of 100 pound/lineal feet with deflection not to exceed 1/50 of span between supports.
- B. Installed Component Assembly: Resist lateral force of 75 pounds at any point without damage or permanent set.
- C. Corner Guards: Resist lateral impact force of 100 pounds at any point without damage or permanent set.

1.04 SUBMITTALS

- A. **Environmental Objectives Documentation: Signed by the manufacturers/fabricators stating level of compliance for the requirements and objectives of Section 01805S Environmental Objectives.**
- B. **Product Data: Submit physical dimensions, features, wall mounting brackets with mounted measurements, anchorage details, and rough-in measurements.**
- C. Samples: Submit two sections of bumper rail, corridor handrail, and corner guard, 24 inches long, illustrating component design, configuration, color and finish.
- D. Manufacturer's Installation Instructions: Submit procedures and perimeter conditions requiring special attention.

1.05 QUALITY ASSURANCE

- A. Perform Work in accordance with requirements for the physically handicapped.

1.06 FIELD MEASUREMENTS

- A. Verify field measurements prior to fabrication.

1.07 COORDINATION

- A. Coordinate the Work with wall or partition sections for installation of concealed blocking or anchor devices.

PART 2 - PRODUCTS

2.01 WALL AND CORNER GUARDS

- A. Manufacturers:
1. Arden Architectural Specialties Inc.
 2. Construction Specialties Inc.
 3. IPC Door & Wall Protection Systems.
 4. Koroseal Wall Protection Systems, Inc.
 5. Pawling Corp.
 6. Tri-Guards, Inc.

2.02 COMPONENTS

- A. Bumper Rail: Preformed return to wall, end caps, internal and external corners:
1. Material: Formed stainless steel, #4 finish..
 2. Mounting: Surface.
 3. Projection From Wall to Outside of Rail: 1 inch.
 4. Length: Minimum one piece length not less than 48 inches; flush splicing.
- B. Corner Guard - Surface Mounted:
1. Material:

- a. High impact, extruded clear polycarbonate.
 - b. Length: One piece.
- C. Mounting Brackets and Attachment Hardware: Appropriate to component and substrate.

2.03 FABRICATION

- A. Fabricate components with tight joints, corners and seams.
- B. Pre-drill holes for attachment.
- C. Form end trim closure by capping and finishing smooth.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Verify rough-in for components are correctly sized and located.

3.02 INSTALLATION

- A. Position top of bumper rail 36 inches from finished floor.
- B. Position top of corridor hand rail 36 inches from finished floor.
- C. Position corner guard finished floor to ceiling.
- D. Terminate rails 6 inches short of door opening and intersecting walls.
- E. Return rails to wall to be 1/2 inch clear of wall.

3.03 ERECTION TOLERANCES

- A. Maximum Variation From Required Height for Horizontal Rails: 1/4-inch.
- B. Maximum Variation From Level or Plane For Visible Length for Horizontal Rails: 1/4-inch.

END OF SECTION