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21	PART 1 – GENERAL		
22 23 24	 RELATED DOCUMENTS A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section. 		

1.2 SUMMARY 25

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- 26 A. Section Includes:
 - 1. Abuse-resistant wall coverings.
 - 2. Floor Sweeper Room walls.
- 29 B. Related Requirements:
 - 1. Section 05 50 00 "Metal Fabrications" for steel angle corner guards.

ACTION SUBMITTALS 31 1.3

32 A. Product Data: For each type of product.

- 1. Include construction details, material descriptions, impact strength, dimensions of individual components and profiles, and finishes.
- 34 B. Samples for Verification: For each type of exposed finish on the following products, prepared on Samples of 35 size indicated below: 36 37
 - 1. Abuse-Resistant Wall Covering: 6 by 6 inches square.

38 1.4 INFORMATIONAL SUBMITTALS 39

A. Material Certificates: For each type of exposed plastic material.

1.5 40 DELIVERY, STORAGE, AND HANDLING

41	Α.	Store wall and door protection in original undamaged packages and containers inside well-ventilated area
42		protected from weather, moisture, soiling, extreme temperatures, and humidity.
43		1. Maintain room temperature within storage area at not less than 70 deg F during the period plastic
44		materials are stored.

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- 1 2. Keep plastic materials out of direct sunlight.
 - 3. Store plastic wall- and door-protection components for a minimum of 72 hours, or until plastic material attains a minimum room temperature of 70 deg F.

4 PART 2 – PRODUCTS

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5 2.1 MANUFACTURERS

A. Source Limitations: Obtain wall- and door-protection products from single source from single manufacturer.

7 2.2 PERFORMANCE REQUIREMENTS

- 8 A. Surface Burning Characteristics: Comply with ASTM E 84 or UL 723; testing by a qualified testing agency.
 9 Identify products with appropriate markings of applicable testing agency.
 - 1. Flame-Spread Index: 25 or less.
- 11 2. Smoke-Developed Index: 450 or less.

12 2.3 ABUSE-RESISTANT WALL COVERINGS 13 A. Abuse-Resistant Sheet Wall Covering: Fabric

A. Abuse-Resistant Sheet Wall Covering: Fabricated from semirigid, plastic sheet wall-covering material.

- 1. Basis-of-Design Product: Provide or comparable product by one of the following:
- 2. Sheet Thickness: 0.125 inch.
 - 3. Color and Texture: As selected by Architect from manufacturer's full range.
 - 4. Height: As indicated.
 - 5. Trim and Joint Moldings: Extruded rigid plastic that matches wall-covering color.
 - 6. Mounting: Adhesive.
 - B. Aluminum Diamond Plate (for use as wall protection in <u>Bicycle Center</u> only):
 - 1. Sheet Thickness: 0.125-inch.
- Sheet Size: 48-inch high (mounted from top of wall base) to 52- to 54-inches AFF (pending wall base height) by length-to-fit installation as shown on drawings.
 a. Use full sheets only. Do not use partial sheets and do not butt joints together.
 - Finish: As selected by Architect from manufacturer's standard finishes.
 - 4. Fasteners: Use self-drilling, stainless steel, SMS-type with hex washer heads spaced at 12inches O.C. vertically and 24-inches (maximum) O.C. horizontally.
- 5. Trim: Provide aluminum J-beads with matching finish at all exposed edges.

29 2.4 MATERIALS

- A. Plastic Materials: Chemical- and stain-resistant, high-impact-resistant plastic with integral color throughout;
 extruded and sheet material as required, thickness as indicated.
- B. Fasteners: Aluminum, nonmagnetic stainless-steel, or other noncorrosive metal screws, bolts, and other
 fasteners compatible with items being fastened. Use security-type fasteners where exposed to view.
- 34 C. Adhesive: As recommended by protection-product manufacturer and with a VOC content of 70 g/L or less.

35 2.5 FABRICATION

A. Fabricate wall and door protection according to requirements indicated for design, performance, dimensions,
 and member sizes, including thicknesses of components.

38 2.6 FINISHES

39	Α.	Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in
40		appearance of adjoining components are acceptable if they are within the range of approved Samples and
41		are assembled or installed to minimize contrast.

1 PART 3 – EXECUTION

2 3.1 EXAMINATION

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- A. Examine substrates and wall areas, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

6 3.2 PREPARATION

- A. Complete finishing operations, including painting, before installing wall and door protection.
- B. Before installation, clean substrate to remove dust, debris, and loose particles.

9 3.3 INSTALLATION

- A. Installation Quality: Install wall and door protection according to manufacturer's written instructions, level,
 plumb, and true to line without distortions. Do not use materials with chips, cracks, voids, stains, or other
 defects that might be visible in the finished Work.
- B. Abuse-Resistant Wall Covering: Install top and edge moldings, corners, and divider bars as required for a complete installation.

15 **3.4 CLEANING**

- A. Immediately after completion of installation, clean plastic covers and accessories using a standard ammonia-based household cleaning agent.
 B. Remove excess adhesive using methods and materials recommended in writing by manufacturer.
- B. Remove excess adhesive using methods and materials recommended in writing by manufacturer.

END OF SECTION