

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

4 **PART 2 – PRODUCTS**

5 **2.1 MANUFACTURERS**

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

29 **2.4 MATERIALS**

- 30 A. Plastic Materials: Chemical- and stain-resistant, high-impact-resistant plastic with integral color throughout;
31 extruded and sheet material as required, thickness as indicated.
- 32 B. Fasteners: Aluminum, nonmagnetic stainless-steel, or other noncorrosive metal screws, bolts, and other
33 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**

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

38 **2.6 FINISHES**

- 39 A. 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**

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

6 **3.2 PREPARATION**

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

9 **3.3 INSTALLATION**

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

15 **3.4 CLEANING**

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