

SECTION 10 26 00 - WALL AND DOOR PROTECTION

PART 1 - GENERAL

1.1 SUMMARY

- A. Provide the work of this Section in accordance with requirements of the Contract Documents.
- B. Section Includes:
 - 1. Corner guards **CG-01, CG-03.**
 - 2. End-wall guards **CG-02 CG-04.**
 - 3. Wall protection **WP-01** and wall protection trims **TS-06.**
- C. Related Works:
 - 1. Division 06, Section 06 10 53 "Miscellaneous Rough Carpentry" for blocking.
 - 2. Division 06, Section 06 40 00 "Architectural Woodwork" for MDF board.
 - 3. Division 06, Section 09 21 00 "Gypsum Board Assemblies" for Gypsum board.

1.2 ACTION SUBMITTALS

- A. Product Data:
 - 1. Include material descriptions, dimensions, profiles, and finishes.
 - 2. Include fire ratings of units recessed in fire rated walls and listings for door protection items attached to fire rated doors.
- B. Sustainable Design Submittals:
 - 1. Building Product Disclosure and Optimization - Sourcing of Raw Materials:
 - a. Recycled Content: For products having recycled content, indicate percentages by weight of post-consumer and pre-consumer recycled content.
 - 1) Include statement indicating costs for each product having recycled content.
 - 2. Indoor Environmental Quality, Low Emitting Materials: Building Products must be tested and compliant with the California Department of Public-Health (CDPH) Standard Method v1.2 2017, using the applicable exposure scenario.
 - a. Adhesives and Sealants: For wet applied on-site products, submit printed statement showing compliance with the applicable chemical content requirements of SCAQMD Rule 1168, effective July 1, 2005, and rule amendment date of January 7, 2005.
 - b. For paints, and coatings, wet applied, include printed statement of VOC content, showing compliance with the applicable VOC limits of the California Air Resources Board (CARB) 2007, Suggested Control Measure for Architectural Coatings or the South Coast Air Quality Management District (SCAQMD) Rule 1113-2011.
- C. Shop Drawings: Include plans, elevations, sections, and attachment details.
- D. Samples for Verification:
 - 1. Corner and End-Wall Guards: 12 inches (300 mm) long.
 - 2. Wall protection, 12 inches (300 mm) square samples and trim accessories 12 inches (300 mm) long.

1.3 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For each type of wall and door protection product to include in maintenance manuals.
 - 1. Include precautions against using cleaning materials and methods that may be detrimental to finishes and performance.

1.4 QUALITY ASSURANCE

- A. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for materials and execution.
 - 1. Build room corner mockups of the public toilet room to be constructed in the field include the following:
 - a. Wall tile.
 - b. Floor tile / wall base,
 - c. Corner guards.
 - d. Acoustical panel ceiling system.
 - e. With plumbing fixtures in accordance with Division 22.
 - f. Restroom traffic management system.
 - g. Linear floor drain in accordance with Division 23.
 - h. Toilet partitions.
 - i. Water closets in accordance with Division 22.
 - j. Washroom accessories.
 - k. Typical countertop with plumbing fixtures in accordance with Division 22.
 - l. Restroom traffic management system.
 - 2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
 - 3. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store wall and door protection in original undamaged packages and containers inside well-ventilated area protected from weather, moisture, soiling, extreme temperatures, and humidity.
 - 1. Maintain room temperature within storage area at not less than 70 degrees F (21 degrees C) during the period plastic materials are stored.
 - 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 degrees F (21 degrees C).
 - a. Store corner guard covers in a vertical position.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

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

2. Smoke Developed Index: 450 or less.

2.2 MANUFACTURERS

- A. Source Limitations: Obtain wall- and door-protection products of each type from single source from single manufacturer.
- B. Low-Emitting Materials:
 1. Architectural paints and coatings wet-applied inside the weather-proofing system must meet the VOC general emissions testing criteria of CDPH Standard Method v1.2.
 2. All paints and coatings wet-applied inside the weather-proofing system must have VOC content in compliance with the applicable VOC limits (g/L) found in tables in Division 01, Section 01 81 13 "Sustainable Design Requirements - LEED v4 BD+C."
 3. Adhesives and Sealants wet-applied inside the weather-proofing system must meet the VOC general emissions testing criteria of CDPH Standard Method v1.2.
 4. All adhesives and sealants wet-applied inside the weather-proofing system must have VOC content in compliance with the applicable VOC limits (g/L) found in tables in Division 01, Section 01 81 13.14 "Sustainable Design Requirements - LEED v4 BD+C."

2.3 CORNER GUARDS

- A. Manufacturers:
 1. Subject to compliance with requirements, provide products by one of the following:
 - a. American Floor Products Company, Inc.
 - b. Construction Specialties, Inc.
 - c. InPro Corporation (IPC).
 - d. Korogard Wall Protection Systems
 - e. Pawling Corporation.
 - f. WallGuard.com.
- B. Surface Mounted, Metal Corner Guards **CG-01**:
 1. Basis-of Design: Construction Specialties, In. CO8 Series.
 2. Fabricated as one piece from formed or extruded metal with formed edges; with 90 degree or 135 degree turn to match wall condition.
 3. Material: Stainless steel sheet, Type 304.
 - a. Thickness: Minimum 0.0625 inch (1.6 mm).
 - b. Finish: Directional satin, No. 4.
 4. Wing Size: Nominal 2 by 2-inches (50 by 50 mm).
 5. Corner Radius: 3/16-inch (4.8 mm).
 - a. Provide bullnose where required to match CMU radiused corners.
 6. Mounting:
 - a. Adhesive.
 - b. Install to height of 48" AFF unless noted otherwise on drawings.
- C. Surface Mounted, Metal Corner Guards **CG-03**:
 1. Basis-of Design: Construction Specialties, In. 8PH Series, custom size.
 2. Fabricated as one piece from formed or extruded metal with formed edges; with 90 degree corners.

3. Material: Stainless steel sheet, Type 304.
 - a. Thickness: Minimum 0.0625 inch (1.6 mm).
 - b. Finish: Directional satin, No. 4.
4. Wing Size And Profile: Custom size. Refer to Drawings.
5. Corner Radius: 0.0625 inch (1.6mm)
6. Mounting:
 - a. Adhesive. Adhered to MDF backup
 - b. Mechanically fastened, fasteners concealed from view.
 - c. Install to full height.

2.4 END-WALL GUARDS

- A. Manufacturers:
 1. Subject to compliance with requirements, provide products by one of the following:
 - a. American Floor Products Company, Inc.
 - b. Construction Specialties, Inc.
 - c. InPro Corporation (IPC).
 - d. Korogard Wall Protection Systems
 - e. Pawling Corporation.
 - f. WallGuard.com.
 2. Basis-of-Design: Korogard Wall Protection Systems; a division of RJF International Corporation, custom fabrication.
- B. Surface Mounted, Metal End Wall Guards **CG-02**:
 1. Fabricated as one piece from formed or extruded metal with formed edges; with 90 degree to match wall condition and to suit wall width.
 2. Material: Stainless steel sheet, Type 304.
 - a. Thickness: Minimum 0.0625 inch (1.6 mm).
 - b. Finish: Directional satin, No. 4.
 3. Wing Size: Nominal 2.5 inches (65 mm).
 4. Corner Radius: 3/16-inch (4.8 mm). Provide bullnose where required to match CMU radiused corners.
 5. Mounting: Adhesive.
- C. Surface Mounted, Metal End Wall Guards **CG-04**:
 1. Fabricated as one piece from formed or extruded metal with formed edges; with 90 degree to match wall condition and to suit wall width.
 2. Material: Stainless steel sheet, Type 304.
 - a. Thickness: Minimum 0.0625 inch (1.6 mm).
 - b. Finish: Directional satin, No. 4.
 3. Wing Size: Nominal 2-1/2 by 2-1/2 inches (64 by 64 mm).
 4. Corner Radius: 3/16-inch (4.8 mm).
 5. Mounting: Adhesive.

2.5 WALL PROTECTION

- A. Manufacturers:

1. Subject to compliance with requirements, provide products by one of the following:
 - a. American Floor Products Company, Inc.
 - b. Construction Specialties, Inc.
 - c. InPro Corporation (IPC).
 - d. Korogard Wall Protection Systems; a division of RJF International Corporation.
 - e. Kwalu, LLC.
 - f. Nystrom, Inc.
 - g. Pawling Corporation.
 - h. WallGuard.com.
 2. Basis-of-Design: Construction Specialties, Inc. Acrovyn 4000.
- B. Wall Protection **WP-01**: Plastic sheet wall covering material.
1. Size: 48 by 96 inches (1219 by 2438 mm) for sheet.
 2. Sheet Thickness: 0.060 inch (1.5 mm).
 3. Color: Charcoal #162.
- C. Trim and Joint Moldings **TS-06**: Extruded rigid plastic matching wall covering color.
1. Provide top cap, inside corners, divider bars, and outside corners.
- D. Mounting:
1. Adhesive.
 2. Height: As indicated on drawings.

2.6 ACCESSPROES

- A. Adhesive: As recommended by protection product manufacturer.
- B. Fasteners: Aluminum, nonmagnetic stainless steel, or noncorrosive metal screws, bolts, and fasteners compatible with items being fastened. Use security type fasteners where exposed to view.

2.7 FABRICATION

- A. Fabricate wall and door protection according to requirements indicated for design, performance, dimensions, and member sizes, including thicknesses of components.
- B. Fabricate components with uniformly tight seams and joints and with exposed edges rolled. Provide surfaces free of wrinkles, chips, dents, uneven coloration, and other imperfections. Fabricate members and fittings to produce flush, smooth, and rigid hairline joints.

2.8 FINISHES

- A. Protect finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- B. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

- C. Comply with NAAMM Metal Finishes Manual for Architectural and Metal Products for recommendations for applying and designating finishes.
- D. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- E. Stainless Steel Finishes:
 - 1. Surface Preparation: Remove tool and die marks and stretch lines, or blend into finish.
 - 2. Polished Finishes: Grind and polish surfaces to produce uniform finish, free of cross scratches.
 - a. Run grain of directional finishes with long dimension of each piece.
 - b. Directional Satin Finish: No. 4.

PART 3 - EXECUTION

3.1 EXAMINATION

- 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. Examine walls to which wall and door protection will be attached for blocking, grounds, and other solid backing that have been installed in the locations required for secure attachment of support fasteners.
 - 1. For wall and door protection attached with adhesive, verify compatibility with and suitability of substrates, including compatibility with existing finishes or primers.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

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.

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. Accessories: Provide splices, mounting hardware, and other accessories required for a complete installation.

3.4 CLEANING

- A. Remove excess adhesive using methods and materials recommended in writing by manufacturer.

END OF SECTION