

SECTION 10 26 12  
WALL PROTECTION

1.1 SUMMARY

- A. Section Includes:
1. Stainless steel wall guards.
  2. Stainless steel corner guards.
  3. Stainless Steel Wall Protection.

1.2 ACTION SUBMITTALS

- A. Product Data: Technical data indicating physical dimensions, features, mounting method with measurements, anchorage details, and rough in measurements; indicate procedures and perimeter conditions requiring special attention.
- B. Shop Drawings: Submit plans, elevations, sections, and attachment details.
- C. Samples: Submit 12 inches (300 mm) long showing joinery, corners, field splices and exposed finish.

1.3 CLOSEOUT SUBMITTALS

- A. Maintenance Data: Submit data including recommended methods and frequency of maintenance for maintaining optimum condition of plastic covers under anticipated traffic and use conditions. Include precautions for cleaning materials and methods that are detrimental to plastic finishes and performance

1.4 QUALITY ASSURANCE

- A. Source Limitations: Obtain protection products of each type from single source from single manufacturer.

1.5 COORDINATION

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

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store wall protection in original undamaged packages and containers inside well ventilated area protected from weather, moisture, soiling, extreme temperatures, and humidity.
1. Store wall protection components for a minimum of 72 hours, or until plastic material attains a minimum room temperature of 70 degrees F (21 degrees C).

2. Store corner guard covers in a vertical position.

## PART 2 - PRODUCTS

### 2.1 PERFORMANCE REQUIREMENTS

- A. Surface Burning Characteristics: Comply with ASTM E84 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.
- B. Corner Panels: Resist lateral impact force of 100 lbs. (45.36 kg) at any point without damage or permanent set.
- C. Installed Component Assembly: Resist lateral force of 75 lbs. (34kg) at any point without damage or permanent set.

### 2.2 MATERIALS

- A. Surface Mounted, Stainless Steel Wall Panels: Stainless steel wall panels including outside and inside corners.
  1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
    - a. Impro Corporation.
    - b. Wallguard.
  2. Material: Stainless steel sheet, Type 304.
    - a. Thickness: Minimum 0.0625 inch (1.6 mm) unless a thicker wall panel is indicated.
    - b. Finish: Directional satin, No. 4.
  3. Seams: Butted.
  4. Panel Size: 4 feet by 10 feet (1220 mm by 3.1 m).
  5. Corners:
    - a. Outside Corner: Stainless steel sheet, Type 304.
      - 1) Wing Size: 2 inch by 2 inch (50 mm by 50 mm).
      - 2) Thickness: Minimum 0.0625 inch (1.6 mm).
      - 3) Edge: Finished with an 11 degree taper.
      - 4) Finish: Directional satin, No. 4.
      - 5) Corner Radius: 1/8 inch (3 mm).
    - b. Insider Corner: Stainless steel sheet, Type 304.
      - 1) Wing Size: 2 inch by 2 inch (50 mm by 50 mm).
      - 2) Thickness: Minimum 0.0625 inch (1.6 mm).
      - 3) Edge: Finished with an 11 degree taper.
      - 4) Finish: Directional satin, No. 4.
      - 5) Corner Radius: 1/8 inch (3 mm).

6. Mounting: Flat head, countersunk screws through factory drilled mounting holes.
- B. Surface Mounted, Metal Corner Guards: Fabricated as one piece from formed or extruded metal with formed edges; with 90 degree or 135 degree turn to match wall condition.
  1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
    - a. Arden Architectural Specialties.
    - b. Construction Specialties, Inc.
    - c. InPro Corporation (IPC).
    - d. JL Industries, Inc.; a division of the Activar Construction Products Group.
    - e. Korogard Wall Protection Systems; a division of RJF International Corporation.
    - f. Pawling Corporation.
    - g. WallGuard.
  2. Material: Stainless steel sheet, Type 304.
    - a. Thickness: Minimum 0.0500 inch (1.3 mm).
    - b. Finish: Directional satin, No. 4.
  3. Wing Size: Nominal Indicated on Drawings.
  4. Corner Radius: Indicated on Drawings.
  5. Mounting: Adhesive.
- C. Fasteners: Nonmagnetic stainless steel or noncorrosive metal screws, bolts, and fasteners compatible with items being fastened.
- D. Adhesive: Recommended by manufacturer.

## 2.3 FABRICATION

- A. Fabricate according to requirements indicated for design, performance, dimensions, and member sizes, including thickness 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.
- C. Predrill holes for attachment.

## 2.4 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.

### PART 3 - EXECUTION

#### 3.1 EXAMINATION

- A. Examine substrates and wall areas for compliance with requirements for installation tolerances, fire rating, and conditions affecting performance of the work.
- B. Verify location of blocking, grounds, and solid backing installed in the locations required for secure attachment of support fasteners.
  - 1. For wall protection attached with adhesive, verify compatibility with and suitability of substrates, including compatibility with existing finishes or primers.
- C. Proceed with installation after correcting unsatisfactory conditions.

#### 3.2 PREPARATION

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

#### 3.3 INSTALLATION

- A. 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. Mounting Heights: Install wall in locations and at mounting heights indicated on Drawings.
  - 1. Position wainscot 48 inch (1220 mm) high sheets against floor with screws into structure top and bottom at maximum 24 inch centers.
- C. Accessories: Provide splices, mounting hardware, anchors, trim, joint moldings, and accessories required for a complete installation.
  - 1. Provide anchoring devices and suitable locations to withstand imposed loads.
  - 2. Adjust top caps as required to ensure tight seams.

#### 3.4 CLEANING

- A. Immediately after completion of installation, clean wall protection using soapy water. Rinse soap and wipe clean with smooth dry cloth.
- B. Remove excess adhesive using methods and materials recommended in writing by manufacturer.

END OF SECTION