

Suggested Specification  
SECTION 10 26 16  
Wallguard.com Infinity Series Handrail 2040

**PART 1 GENERAL**

**1.01 SUMMARY**

- A. This section includes the following wall protection system:
  - 1. Protective Corridor Handrails
- B. Related Sections
  - 1. Section 10 26 13 - Corner Guards
  - 2. Section 10 26 23 - Protective Wall Covering
  - 3. Section 10 26 33 - Door and Frame Protection
  - 4. Section 09 22 00 - Supports for Plaster and Gypsum Board

**1.02 REFERENCES**

- A. Abbreviations and Acronyms
  - 1. National Fire Protection Association (NFPA)
  - 2. American Society for Testing and Materials (ASTM)
  - 3. Underwriters Laboratories (UL)
  - 4. American National Standards Institute (ANSI)

**1.03 SUBMITTALS**

- A. General: Submit the following in accordance with Section 01 33 00 "Submittal Procedures".
- B. Product Data:
  - 1. Data sheet illustrating product dimensions, options, and related components.
  - 2. Installation instructions.
- C. Samples for verification of design suitability, color, finish, and accessory attachment and alignment.
  - 1. 12" (304) Long sample with attached wall return and mounting bracket.
- D. Test reports from a qualified independent laboratory showing results in compliance to requirements indicated

**1.04 QUALITY ASSURANCE**

- A. Manufacturer to have no less than 5 years experience in the production of wall protection products having successful in-service performance.
- B. Color Control:
  - 1. Provide extruded and molded components that meet visual and colorimetric evaluation less than or equal to 1.0 CMC DE (Delta E) to a controlled standard when measured under cool white fluorescent lighting.
  - 2. Wood components to pass visual inspection to approved stained and finished color standard. Stain formulations are maintained specific to approved stain sample.

**1.05 DELIVERY, STORAGE, AND HANDLING**

- A. Storage: Store wall protection products in original packaging. Protect from weather, extreme temperatures, and moisture.
  - 1. Maintain temperature during storage between 40°- 100°F (4°- 38°C).
  - 2. Store materials flat to prevent twisting or sagging of cartons.

- B. Handling: Take adequate measure to prevent damage to materials. Avoid exposure of products to direct sunlight.

#### **1.06 SITE CONDITIONS**

- A. Ambient Conditions: Do not install wall protection products until installation areas are enclosed and weatherproof. HVAC system must be operational and maintaining temperature at 65°-75°F (18°-24°C) for at least 72 hours prior to installation.

### **PART 2 PRODUCTS**

#### **2.01 MANUFACTURERS**

Wallguard.com  
PO Box 1109  
Dover Plains, NY 12522  
877-943-6826  
www.wallguard.com

#### **2.02 DESCRIPTION**

- A. Model 2040, 1 1/2" (38) round profile handrail system with a continuous aluminum alignment channel. System includes wall returns, corners, and mounting brackets. Select handgrip and bracket color from manufacturer's standard wood stains and vinyl colors. Custom stains and colors are available.

#### **2.03 MATERIALS**

- A. Handgrip, Wall Returns, and Corners: Machine from plain sawn FAS grade hardwood, kiln dried to a moisture content of 6% to 10%. Select from Oak, Maple, Ash, Beech, and Cherry. Other species are available.
- B. Alignment Channel: Extruded aluminum, alloy 6063 as described in ASTM B221, nominal 0.125" (3) thickness.
- C. Mounting Brackets: Injection molded thermoplastic.

#### **2.04 FINISHES**

- A. Wood Components: Factory finish after all cutting and machining operations are completed. Apply final two coat finish of clear, low VOC, catalyzed conversion varnish with UV absorber for added wood protection.

### **PART 3 EXECUTION**

#### **3.01 EXAMINATION**

- A. Examine walls for availability of backing to ensure secure attachment of wall protection products.
- B. Verify that HVAC is operating and installation area temperature has been maintained between 65°-75°F (18°-24°C) for at least 72 hours prior to installation.
- C. Verify application of wall finishes has been completed in accordance with project finish plan.

#### **3.02 PREPARATION**

- A. Surface Preparation: Clean substrate to remove dust and debris.

#### **3.03 INSTALLATION**

- A. Acclimate materials to building conditions for at least 24 hours prior to installation.

- B. Install wall protection products in accordance with manufacturer's installation instructions.

### **3.04 PROTECTION**

- A. Protect installed material from damage by other trades. Use materials that will not mark, stain, or leave residue on the product.