

**Part 1 – General****1.01 – SUMMARY**

- A. Handrail system for pedestrian safety, wall protection and decoration.

**1.02 – SECTION INCLUDES**

- A. wX18 Series, Stainless Steel Round Handrail
- B. The following sections contain product info related to this section:
  1. Corner Guards, Wall Guards, Wall Covering, Door Protection, Rub Rail, refer to section 10 26 00 "Wall and Door Protection"

**1.03 – REFERENCES****1.04 – SUBMITTALS**

- A. Product Data: Manufacturer's printed product data for each type of handrail specified.
- B. Shop Drawings: Mounting details with the appropriate fasteners for specific substrates.
- C. Samples: Verification samples of the handrail, 8" (203mm) long, in full size profiles for each product indicated.
- D. Manufacturer's Installation Instruction: Printed installation instructions for each handrail.
- E. Maintenance Data: Wall protection maintenance data for inclusion in the Division 1 operating and maintenance manuals.

**1.05 – QUALITY ASSURANCE**

- A. Appoint an installer with 3 or more years of experience in installation projects of similar complexity.
- B. Manufacturer has 5 or more years of experience in the production of specified product and reliable product performance.
- C. Assemblies should follow all applicable codes including IBC, UBC, SBCCI, BOCA, and Life Safety.
- D. *Impact Strength*: Polycarbonate profile materials that have an Impact Strength value of 16 ft-lbs/in as tested per ASTM D-256, Notched Izod Test.
- E. The handrail are to be made from type 304, 16 gauge stainless steel.

**1.06 – DELIVERY, STORAGE, AND HANDLING**

- A. Deliver materials in unopened factory packaging to the jobsite.
- B. Inspect materials at time of delivery to assure that specified products have been received.
- C. Store in original packaging in a climate controlled location away from direct sunlight and from exposure to the elements. Maintain a minimum room temperature of 40°F and a maximum of 100°F.
- D. Store material flat and do not stack.

**1.07 – PROJECT CONDITIONS**

- A. Environmental Requirements: Products must be acclimated to a temperature of 65°F to 75° F for at least 24 hours before beginning installation.
- B. Install products in an enclosed and weatherproofed area of the same temperature.

**1.08 – WARRANTY**

- A. Standard Wallprotex limited lifetime warranty against material and manufacturing defects.

**Part 2 – Products****2.01 – MANUFACTURER**

- A. Acceptable Manufacturer: Wallprotex, 3750 Ohio Ave., St. Charles, IL 60174, Phone: 877-880-8115, www.wallprotex.com

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- B. Substitutions: Not permitted.
- C. Provide all handrails and wall protection from a single source.
- D. All products are to be manufactured in the USA.

**2.02 – MANUFACTURED UNITS****A. Handrail Profile**

1. wX18 Series Stainless Handrail System
  - 1-1/2" (38mm) Handgrip Diameter
  - Handrail Extends 3" From the Finished Wall
  - Mounted on Type 304 Stainless Steel Brackets
  - Type 304 Stainless Steel Wall Returns
  - Type 304 Stainless Steel Inside and Outside Corners
2. Standard Length: Custom manufactured

**2.03 – MATERIALS**

- A. Stainless Steel: Corner guards shall be manufactured from Type 304, 16 gauge Stainless Steel (meets NSF standard 51).

**2.04 – ACCESSORIES****A. Attachment**

1. Fasteners: Appropriate for designated substrate.

**2.05 – FABRICATION**

- A. Fabricate handrail systems according to design, dimensions, detail, and finish per plans and specifications.

**2.06 – FINISHES**

- A. Stainless Steel with a No. 4 satin finish.

**Part 3 – Execution****3.01 – EXAMINATION**

- A. Prior to installation, examine areas and conditions in which the handrail systems will be installed for defects, damage, or incomplete site preparation.
- B. Complete all finishing operations, including painting, before beginning installation of the handrail system. New paint must be allowed to cure for an appropriate amount of time according to the paint manufacturer before handrail system is installed.
- C. Do not install handrail if wall surface is not adequately prepared.

**3.02 – PREPARATION**

- A. Prior to installation of the handrail system, clean substrate to remove dust, debris, grease, or any loose particles.

**3.03 – INSTALLATION**

- A. Locate handrail system as indicated on the approved shop drawing for the appropriate substrate. Install the handrail flush and tight at the height indicated on the appropriate drawing, with surfaces free from distortion or other defects in appearance.
- B. Use the approved mounting hardware.
- C. Install all handrail systems in accordance and compliance with Wallprotex installation instructions.

**3.04 – CLEANING**

- A. At completion of the installation, clean surfaces in accordance with the Wallprotex cleanup and maintenance instructions.
- B. Remove extra materials and debris accumulated from installation.

