SUGGESTED SPECIFICATIONS

5-1/8" Double Grip Wood Handrail

WX9

Part 1 – General

1.01 – SUMMARY

A. Handrail system for wall protection and decoration.

1.02 – SECTION INCLUDES

A. wX9 Series, Double Grip Solid Wood Handrail
B. The following sections contain product info related to this section:
   1. Corner Guards, Wall Covering, Wall Guards, Door Protection, Rub Rail refer to section 10 26 00 "Wall and Door Protection"

1.03 – REFERENCES

A. American Society for Testing and Materials (ASTM)
B. National codes (IBC, UBC, SBCCI, BOCA and Life Safety)
C. Environmental Protection Agency (EPA)
D. National Emission Standards for Hazardous Air Pollutants (NESHAP)
E. American with Disabilities Act (ADA)
F. Kitchen Cabinets Manufacturers Association (KCMA)
G. American National Standards Institute (ANSI)

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. *Performance Requirements*: Provide wood handrail systems that conform to the following requirements of regulatory agencies and the quality control of Wallprotex™.
   1. Code Compliance: Provide wood handrail that comply with all current ADA and ANSI requirements.
   2. Cold, heat and chemical resistance: Provide wood handrail with a finish that complies with the applicable provisions of ANSI/KCMA A161.1-1900 for cold check, heat and chemical resistance.
   3. Environmental compliance: Provide wood handrail with a finish that does not off gas or emit any VOC, after a full cure, as tested in accordance to the EPA, NESHAP, Method 24, 40CFR, Volume 60, Appendix A.

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
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. wX9 Series Wood Handrail, 5-1/8" (130mm) height, 1-1/2" (38mm) hand grip, extending 3" (76mm) from the wall.
   2. Standard Length: 6' to 12'.

2.03 – MATERIALS

A. Solid wood components: Shall be manufactured from FAS or S&B lumber of the specified species, and shall be machined with not fewer than 20 KCPI (knife cuts per inch), kiln dried to a moisture content of 6% to 10%.
B. Shall be made from specified species of hardwood.

2.04 – ACCESSORIES

A. Returns, inside corners, and outside corners, to be either field cut or factory supplied.
B. Wood mounting blocks to be factory supplied with a matching finish as required.
C. Trim Inserts: To be made of the matching wood species free from visible surface defects or vinyl. Wood trims to be finished as specified by the architect, vinyl trim to be black. Wood trim style to be specified from Manufacturers Standard Insert Trim selection.
D. Fasteners are to be supplied by others.

2.05 – FABRICATION

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

2.06 – FINISHES

A. Wood handrails will be supplied as follows: No finish (for field finish), primed (for field painting), or factory finished.
B. All factory finished wood materials to be final coated with catalyzed, high solids, clear varnish in a two coat process.
C. Factory available species:
   1. Poplar
   2. Maple
   3. Red Oak
   4. Cherry
D. Factory available stains:
   1. Cherry
   2. Walnut

Wallprotex © 2020

3. Honey
4. Natural

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 as indicated on the approved shop drawing for the appropriate substrate. Install 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 Americans with Disabilities Act (ADA), American National Standards Institute (ANSI), and 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.

Wallprotex © 2020