Part 1 – General

1.01 – SUMMARY

A. Chair rail system for wall protection and decoration.

1.02 – SECTION INCLUDES

A. wX19 Series, 3" Chair Rail System

B. The following sections contain product info related to this section:

1. Corner Guards, Handrails, 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. Society of Automotive Engineers (SAE)

D. American National Standards Institute (ANSI)

1.04 – SUBMITTALS

A. Product Data: Manufacturer's printed product data for each type of chair rail specified.

B. Shop Drawings: Mounting details with the appropriate fasteners for specific substrates.

C. Samples: Verification samples of the chair rail, 8" (203mm) long, in full size profiles for each product indicated.

D. Manufacturer's Installation Instruction: Printed installation instructions for each wall guard.

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*: Provide rigid vinyl profile materials that have an Impact Strength value of 19 ft-lb/in or greater as tested in accordance with the procedures specified in ASTM D256, Notched Izod Test.

E. Chemical and Stain Resistance: Provide chair rail that show resistance to stain when tested in accordance with applicable provisions of ASTM D543.

F. Fungal and Bacterial Resistance: Provide rigid vinyl that does not support fungal or bacterial growth as tested in accordance with ASTM G21 and ASTM G22.

G. Color Consistency: Provide components matched in accordance with SAE J1545—(Delta E) with a color difference no greater than 3.0 units using CIE Lab, CIE CMC, CIE Lch, Hunter Lab or similar color space scale systems.

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 chair rail and wall protection from a single source.

D. All products are to be manufactured in the USA.

2.02 – MANUFACTURED UNITS

A. Chair Rail Profile

1. wX19 Series 3" Height Vinyl Chair Rail with Aluminum Retainer.

2. Standard Length for all linear extrusions: 12'

2.03 – MATERIALS

A. Vinyl: Snap on cover of .070" (1.8mm) thickness shall be extruded from chemical and stain resistant polyvinyl chloride. No plasticizers shall be added.

B. Aluminum: Continuous aluminum retainer of .060" (1.5mm) thickness shall be fabricated from 6063-T5 aluminum with a mill finish.

2.04 – ACCESSORIES

A. End caps and outside corners, shall be made of molded thermoplastics.

B. Fasteners may be provided for standard drywall and steel stud wall installations. Manufacturer will provide appropriate fasteners if required.

2.05 – FABRICATION

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

2.06 – FINISHES

A. Vinyl Covers: Colors of the chair rail to be selected by the architect from the Wallprotex color selection. Surface shall have a haircell texture.

B. Molded Components: End caps, inside corners, outside corners, stand offs, and brackets shall be of a color matching the wall guards. Surface shall have a haircell texture unless otherwise specified by the manufacturer.

C. Custom color matching available upon request.

Part 3 – Execution

3.01 – EXAMINATION

A. Prior to installation, examine areas and conditions in which the chair rail systems will be installed for defects, damage, or incomplete site preparation.

B. Complete all finishing operations, including painting, before beginning installation of the chair rail system. New paint must be allowed to cure for an appropriate amount of time according to the paint manufacturer before wall guard system is installed.

C. Do not install chair rail if wall surface is not adequately prepared.

3.02 – PREPARATION

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

3.03 – INSTALLATION

    A. Locate the chair rails as indicated on the approved shop drawing for the appropriate substrate. Install chair rails 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 chair rails 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.