

SECTION 06420 WAINSCOT PANELING SYSTEMS: OXFORD SUGGESTED SPECIFICATIONS

PART 1 – GENERAL

1.01 Summary

- A. Wall Protection Systems to include:
 - 1. High-Impact Wainscot Wall Panel Systems
- B. Related Sections
 - 1. Wall blocking between framing studs for mechanical fasteners: Section 09250 Gypsum Board Systems

1.02 References

- A. American Society for Testing and Materials (ASTM)
- B. National Fire Protection Association (NFPA)
- C. Uniform Building Code (UBC)

1.03 Submittals

- A. Product Data for each style of wainscot panel system specified
- B. Test Data detailing compliance with specifications
- C. Detail Drawings depicting product dimensions, accessories, installation methods, and accessories
- D. Installation Instructions detailing in writing manufacturer's recommended installation methods for all types of wall construction and substrates
- E. Maintenance Instructions outlining manufacturer's recommended cleaning, refinishing and repair instructions
- F. Product Samples to include each style of wainscot wall panel system specified, and samples of manufacturer's standard colors and patterns
- G. Manufacturer's Statement of Warranty

1.04 Warranty

- A. Manufacturer to provide 10-year warranty against structural failure and 10-year warranty on finish, as per manufacturer's term and conditions

1.05 Quality Assurance

- A. Code compliance: Provide Wainscot wall panel system that complies with the following requirements of regulatory agencies and the quality control of Kwalu
- B. Fire Performance Characteristics: wainscot wall panel system to conform with NFPA Class A fire rating, and surface burning characteristics, as determined by ASTM E-84 (Steiner tunnel test), shall be a flame spread of 0-25 and smoke development of 350-450
- C. Self-Extinguishing: Wainscot wall panel system to have a CC1 classification, as referenced in UBC 52-4-1988 and tested in accordance with ASTM D-635-74, Standard Test Method for Rate of Burning of Self-Supporting Plastics in a Horizontal Position

D. Impact Strength: Provide Wainscot wall panel system that has an impact strength of 30.2 ft-lbs/inch of thickness, as specified in ASTM D-256-90b, Impact Resistance of Plastics

E. Chemical Stain Resistance: Provide wainscot wall panel system that is resistant to staining when tested in accordance with applicable provisions of ASTM D-543

F. Fungal and Bacterial Resistance: Provide wainscot wall panel system that does not support fungal or bacterial growth as tested in accordance with ASTM G-21 and ASTM G-22

G. Single Source Responsibility: Provide all wall protection systems and components manufactured by the same company to ensure compatibility of color, texture, and other properties

1.06 Delivery, Storage and Handling

- A. Deliver materials to the jobsite in unopened factory packaging
- B. Inspect materials upon delivery to ensure that all specified product components and accessories received in good condition
- C. Store material flat in original packaging in a climate controlled location, away from direct sunlight

1.07 Project Conditions

- A. Materials must be acclimated to project conditions between 65°F and 80°F at least 24 hours prior to installation
- B. Install wall protection systems only after the facility's permanent environmental conditions have been established

PART 2 – PRODUCTS

2.01 Manufacturer

- A. Kwalu LLC, Ridgeland, SC 29936, Phone: 877-MY-KWALU (695-9258), Fax: 843-726-9230, website: kwalu.com
- B. Substitutions: Not permitted
- C. Provide all wall protection products and components from a single manufacturer

2.02 Materials

- A. Acrylic/polyvinyl chloride co-polymer: Class A fire-rated extruded material to be high-impact resistant, stain and chemical resistant
- B. Particle board: Class A fire-rated

2.03 Manufactured Units

- A. All acrylic/vinyl wainscot panel systems to be manufactured with a simulated wood grain. The surface finish shall be repairable in the field following manufacturer's repair procedures so that there is no discernible damage. Surface printing methods strictly

prohibited

B. Kwalu wainscot panel system to be Oxford Style.

- 1. Wainscot height above finished floor (AFF) to be specified by architect
- 2. Size and style options for trim accessories to be specified by architect
- 3. Spacing between vertical stiles to be specified by architect
- 4. Pattern/color of polymer extrusions to be chosen by architect from manufacturer's many available wood grain patterns

PART 3 – EXECUTION

3.01 Examination

- A. Verify that all wall surfaces are properly prepared to receive installation of wainscot wall panel systems
- B. Complete all other finish operations prior to installing wall protection systems, including painting

3.02 Preparation

- A. Clean all wall surfaces and substrates to remove dust, debris, and loose paint

3.03 Installation

- A. Install all wall protection components in strict accordance with manufacturer's printed installation instructions

3.04 Cleaning

- A. Clean all wall protection components in strict accordance with manufacturer's cleaning instructions



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1-877-MY-KWALU (695-9258)

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