

SECTION 06 20 00
FINISH CARPENTRY

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Interior millwork for window stools.
- B. Items specified:
 - 1. Quartz agglomerate material window stools.

1.2 RELATED REQUIREMENTS

- A. Adhesive, Paint, and Finish VOC Limits: Section 01 81 13, SUSTAINABLE CONSTRUCTION REQUIREMENTS.
- B. Framing, furring and blocking: Section 06 10 00, ROUGH CARPENTRY.
- C. Color and texture of finish: Section 09 06 00, SCHEDULE FOR FINISHES.

1.3 APPLICABLE PUBLICATIONS

- A. Comply with references to extent specified in this section.
- B. ASTM International:
 - 1. E84-15b - Surface Burning Characteristics of Building Materials.
- C. Architectural Woodwork Institute (AWI):
 - 1. AWI-09 - Architectural Woodwork Quality Standards and Quality Certification Program.
- D. Federal Specifications (Fed. Spec.):
 - 1. A-A-1922A - Shield Expansion (Calking Anchors, Single Lead).
 - 2. A-A-1936A - Adhesive, Contact, Neoprene Rubber.
 - 3. FF-S-111D(1) - Screw, Wood (Notice 1 inactive for new design).
 - 4. MM-L-736C(1) - Lumber, Hardwood.
- E. Military Specification (Mil. Spec.):
 - 1. MIL-L-19140E - Lumber and Plywood, Fire-Retardant Treated.
- F. U.S. Department of Commerce, Product Standard (PS):
 - 1. PS1-07 - Construction and Industrial Plywood.
 - 2. PS20-10 - American Softwood Lumber Standard.

1.4 SUBMITTALS

- A. Submittal Procedures: Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
- B. Submittal Drawings:
 - 1. Show size, configuration, and fabrication and installation details.

2. Millwork items - Half full size scale for sections and details 1: 50
(1/4 inch) for elevations and plans.

C. Manufacturer's Literature and Data:

1. Description of each product.

D. Samples:

1. Quartz Agglomerate: 3-inch square, each color.

E. Sustainable Construction Submittals:

1. Low Pollutant-Emitting Materials:

a. Show volatile organic compound types and quantities.

1.5 QUALITY ASSURANCE

A. Fabricator Qualifications:

1. Regularly fabricates specified products.
2. Fabricated specified products with satisfactory service on five similar installations for minimum five years.

B. Installer Qualifications:

1. Regularly installs specified products.
2. Installed specified products with satisfactory service on five similar installations for minimum five years.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Deliver products in manufacturer's original sealed packaging.
- B. Mark packaging, legibly. Indicate manufacturer's name or brand, type, color, production run number, and manufacture date.
- C. Before installation, return or dispose of products within distorted, damaged, or opened packaging.
- D. Store products indoors in dry, weathertight, conditioned facility.
- E. Protect products from damage during handling and construction operations.

1.7 FIELD CONDITIONS

A. Environment:

1. Product Temperature: Minimum 21 degrees C (70 degrees F) for minimum 48 hours before installation.
2. Work Area Ambient Conditions: HVAC systems are complete, operational, and maintaining facility design operating conditions continuously, beginning 48 hours before installation until Government occupancy.

3. Install products when building is permanently enclosed and when wet construction is completed, dried, and cured.

4. Do not install finish lumber or millwork in any room or space where wet process systems such as concrete, masonry, or plaster work is not complete and dry.

B. Field Measurements: Verify field conditions affecting fabrication and installation. Show field measurements on Submittal Drawings.

1. Coordinate field measurement and fabrication schedule to avoid delay.

1.8 WARRANTY

A. Construction Warranty: FAR clause 52.246-21, "Warranty of Construction."

PART 2 - PRODUCTS

2.1 SYSTEM PERFORMANCE

A. Design acoustical panel complying with specified performance:

1. Surface Burning Characteristics: When tested according to ASTM E84.

a. Flame Spread Rating: 25 maximum.

b. Smoke Developed Rating: 450 maximum.

2.2 PRODUCTS - GENERAL

A. Basis of Design: Section 09 06 00, SCHEDULE FOR FINISHES.

B. Provide each product from one manufacturer and from one production run.

C. Sustainable Construction Requirements:

1. Low Pollutant-Emitting Materials: Comply with VOC limits specified in Section 01 81 11, SUSTAINABLE DESIGN REQUIREMENTS for the following products:

a. Non-flooring adhesives and sealants.

D. Adhesive:

1. Provide adhesive recommended by manufacturer.

E. Quartz Agglomerate (Q):

1. Homogeneous material containing 93% pure quartz with additions of high performance polyester resin, pigments and special effects.

2. Comply with ANSI Z124.6.

2.3 FABRICATION

A. Quartz Agglomerate Material Window Stools:

1. Grade: Premium

2. Quartz Agglomerate Thickness (Q): 2 cm (3/4-inch nominal
3. Colors, Patterns and Finishes: Provide materials and products that result in colors of quartz agglomerate material scheduled in Section 09 06 00.
4. Fabricate tops in one piece, unless otherwise indicated. Comply with quartz agglomerate material manufacturer's written recommendations for adhesives, sealants, fabrication and finishing.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Examine and verify substrate suitability for product installation.
- B. Protect existing construction and completed work from damage.
- C. Clean substrates. Remove contaminants capable of affecting subsequently installed product's performance.

3.2 INSTALLATION

- A. Installation:
 1. Grade: Install work to comply with requirements for the same grade specified for fabrication of type of woodwork involved.
 2. Assemble work and complete fabrication at Project site to comply with requirements for fabrication to extent that it was not complete in the shop.
 3. Install woodwork level, plumb, true and straight. Shim as required with concealed shims. Install level and plumb (including tops) to a tolerance of 1/8-inch in 96 inches (3 mm in 2400 mm).
 4. Scribe and cut woodwork to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.
 5. Anchor woodwork to anchors or blocking built in or directly attached to substrates. Secure with countersunk, concealed fasteners and blind nailing as required for complete installation. Use fine finishing nails or finishing screws for exposed fastening, countersunk and filled flush with woodwork and matching final finish if transparent finish is indicated.
- B. Window Stools:

1. Anchor securely by applying continuous bead of mounting adhesive around perimeter of structural substrate and supports, and manufacturer's written instructions.
2. Seal joints between window sill and wall with "50" year silicone.

3.3 CLEANING

- A. Remove excess adhesive before adhesive sets.
- B. Clean exposed surfaces. Remove contaminants and stains.
- C. Touch up damaged factory finishes.
 1. Repair painted surfaces with touch up primer.

3.4 PROTECTION

- A. Protect finish carpentry from traffic and construction operations.
- B. Cover finish carpentry with reinforced kraft paper, and plywood or hardboard.
- C. Remove protective materials immediately before acceptance.
- D. Repair damage.

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