

**REQUEST FOR INFORMATION (RFI)
VA250-17-R-0594**

PROJECT NUMBER:	583-331	Please ensure that before submitting questions or requests for clarification that you thoroughly read the solicitation, specifications, drawings and other pertinent documents. When submitting questions on this project the Government requires contractors to specifically identify the specification and/or solicitation section(s) or drawing number(s) in reference to the question or request for clarification submitted. No question or request for clarification will be answered by the Government unless the above requirements are met. Failure to comply may prevent the Government from responding in a timely manner.
PROJECT TITLE:	Specialty Care Clinic	
PROJECT LOCATION:	Department of Veterans Affairs RLR VA Medical Center 1481 W. 10 th Street Indianapolis, IN 46202	

SUBMITTED BY:	Jim Erhart	CITY/STATE:	Louisville Ky
PHONE:	502-489-7676		

TO:
 Felecia Beamen, Contracting Officer
 Department of Veterans Affairs
 Network 10 Contracting Office
 8888 Keystone Crossing, Suite 1100
 Indianapolis, IN 46240
Felecia.Beamen@va.gov

RFI NO.: 2	DATE:12-19-17	SPEC/DWG. REFERENCE(s): Missing Spec Sec 06 60 00 Buidling 1 & 5
REPLY NEEDED BY:		

INFORMATION NEEDED:

In looking through the plans and specifications for the VA Building 1 and 5 project I am unable to find a Specification Section for the 3-Form Panels. In the Brand Name or Eq 6th Flr PDF, they designate 09 06 00 2.1C 3Form Birch Grove 06 06 00. However, I cannot locate a Section 060600. Is there some sections that weren't posted?

REPLY:

RFI's will be answered by amendment(s) posted to fbo.gov.

See attached Section 06 06 00 Plastic Fabrications

REPLY FROM:	DATE:
ATTACHMENTS:	COPY TO:

SECTION 06 06 60

Plastic Fabrications

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes the Plastic Fabrication as shown and specified in the described system(s):

1. Partitions

- B. Related Sections include the following:

1. Section 06 40 23 Interior Architectural Woodwork

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data; include product description, fabrication information, and compliance with specified performance requirements.

- B. Submit product test reports from a qualified independent 3rd party testing agency indicating each type and class of panel system complies with the project performance requirements, based on comprehensive testing of current products. Previously completed test reports will be acceptable if for current manufacturer and indicative of products used on this project.

1. Test reports required are:

- a. Rate of Burning (ASTM D 635)
- b. Self-Ignition Temperature (ASTM D 1929)
- c. Density of Smoke (ASTM D 2843)
- d. Flame spread and Smoke developed testing (ASTM E 84)
- e. Room Corner Burn Test (NFPA 286)
- f. Extent of Burning (UL 94)
- g. Impact strength (ASTM D 3763)
- h. Safety glazing impact resistance (ANSI Z97.1-2004)
- i. UPITT Test for Combustion Product Toxicity
- j. Dynamic environmental testing (ASTM standards D 5116 and D 6670)

- C. Shop Drawings: Include plans, elevations, sections, panel dimensions, details, and attachments to other work.

D. Initial Selection:

1. As noted in Construction Documents on Finish Material Schedule.

E. Samples for Verification:

1. Submit minimum 4-inch by 4-inch sample for each type, texture, pattern and color of solid plastic fabrication.

F. Mockups:

1. Build mockups to verify selections made under sample Submittals and to demonstrate aesthetic effects.
 2. Build mockup of Room Divider - Plastic Fabrication.
 3. Approved mockups shall become part of the completed Work if undisturbed at time of Substantial Completion.
- G. Maintenance Data: Submit manufacturer's care and maintenance data, including care, repair and cleaning instructions. Include in Project closeout documents.
- 1.3 QUALITY ASSURANCE
- A. Manufacturers Qualifications
1. Materials and systems shall be manufactured by a company continuously and regularly employed in the manufacture of specified materials for a period of at least three (3) consecutive years and which can show evidence of those materials being satisfactorily used on at least three (3) projects of similar size, scope and location.
- 1.4 DELIVERY, STORAGE, AND HANDLING
- A. Deliver Plastic Fabrications, systems and specified items in manufacturer's standard protective packaging.
 - B. Do not deliver Plastic Fabrications, system, components and accessories to Project site until areas are ready for installation.
 - C. Store materials in a flat orientation in a dry place that is not exposed to exterior elements.
 - D. Handle materials to prevent damage to finished surfaces. Provide protective coverings to prevent damage or staining following installation for duration of project.
 - E. Before installing Plastic Fabrications, permit them to reach room temperature.
- 1.5 PROJECT CONDITIONS
- A. Environmental Limitations: Do not install Solid Polymer Fabrications until spaces are enclosed and weatherproof, and ambient temperatures and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.
- 1.6 WARRANTY
- A. Manufacturer's Special Warranty on Plastic Fabrications: Manufacturer's standard form agreeing to repair or replace units that fail in material or workmanship within the specified warranty period.
 - B. Warranty Period: 2 year after the date of substantial completion.
 - C. The warranty shall not deprive the owner of other rights or remedies the Owner has under other provisions of the Contract Documents, and is in addition to and runs concurrent with other warranties made by the Contractor under the requirements of the Contract Documents.
 - D.

PRODUCTS

1.7 BASIS OF DESIGN

1. 3form, Inc., Salt Lake City, Utah, USA / telephone 801-649-2500 or approved Equal.

1.8 MATERIALS

1. Engineered polyester resin
 2. Sheet Size: Maximum 4' x 10'
 3. Thickness: Minimum 1/16"
 4. Basis of Design Product: The design of Plastic Fabrications is based on Varia™ produced with ecoresin™ as provided by 3form, Inc.
- B. Interlayer Materials: Compatible with polyesters and bonding process to create a monolithic sheet of material when complete.
- C. Sheet minimum performance attributes:
1. Rate of Burning (ASTM D 635). Material shall attain CC1 Rating for a nominal thickness of 1.5 mm (0.060 in.) and greater.
 2. Self-Ignition Temperature (ASTM D 1929). Material shall have a Self-ignition temperature greater than 650°F.
 3. Density of Smoke (ASTM D 2843). Material shall have a smoke density less than 75%.
 4. Flame spread and Smoke developed testing (ASTM E 84). Material shall be able to meet a level of Class A (Flame spread less than 25 and smoke less than 450) at thickness of 1".
 5. Room Corner Burn Test (NFPA 286). Material shall meet Class A criteria at ¼" thickness as described by the 2003 *International Building Code*.
 6. Extent of Burning (UL 94). Shall submit UL card.
 7. Impact strength. Minimum impact strength test as measured by ASTM D 3763 of 20 ft. lbs. (for durability, shipping, installation, and use).
 8. Safety Glazing. Material shall attain a Class A impact rating in accordance with ANSI Z97.1-2004 at 1/8" thickness.
 9. UPITT Test for Combustion Product Toxicity: Product shall be recorded as "not more toxic than wood".
 10. Dynamic environmental testing (ASTM standards D 5116 and D 6670). Panels shall not have detectable VOC off-gassing agents and shall be have Greenguard™ Indoor Air Quality certified.
 11. Panels shall be produced from a minimum of 40% post-industrial recycle content. This recycle content shall be certified by a recognized 3rd party certification group, such as Scientific Certification Systems (SCS).

1.9 FABRICATION

- A. General: Fabricate Plastic Fabrications to designs, sizes and thicknesses indicated and to comply with indicated standards. Sizes, profiles and other characteristics are indicated on the drawings.
- B. Comply with manufacturer's written recommendations for fabrication.

- C. Machining: Acceptable means of machining are listed below. Ensure that material is not chipped or warped by machining operations.
 - 1. Sawing: Select equipment and blades suitable for type of cut required.
 - 2. Drilling: Drills specifically designed for use with plastic products.
 - 3. Milling: Climb cut where possible.
 - 4. Routing
 - 5. Tapping
 - D. Forming: Form products to shapes indicated using the appropriate method listed below. Comply with manufacturer's written instructions.
 - 1. Cold Bending
 - 2. Hot Bending
 - 3. Thermoforming: Acceptable only on uncoated material.
 - 4. Drape Forming
 - 5. Matched Mold Forming
 - 6. Mechanical Forming
 - E. Laminating: Laminate to substrates indicated using adhesives and techniques recommended by manufacturer.
- 1.10 MISCELLANEOUS MATERIALS
- A. General: Provide products of material, size, and shape required for application indicated, and with a proven record of compatibility with surfaces contacted in installation.
 - B. Cleaner: Type recommended by manufacturer.
 - C. Fasteners: Use screws designed specifically for plastics. Self-threading screws are acceptable for permanent installations. Provide threaded metal inserts for applications requiring frequent disassembly such as light fixtures.
 - D. Bonding Cements: Can be achieved with solvents or adhesives, suitable for use with product and application.

PART 2 - EXECUTION

2.1 EXAMINATION

- A. Examine substrates, areas, and conditions where installation of Plastic Fabrications will occur, with Installer present, for compliance with manufacturer's requirements. Verify that substrates and conditions are satisfactory for installation and comply with requirements specified.

2.2 INSTALLATION

- A. General: Comply with manufacturer's written instructions for the installation of Plastic Fabrications.
- B. Manufacturer's shop to fabricate items to the greatest degree possible.

- C. Utilize fasteners, adhesives and bonding agents recommended by manufacturer for type of installation indicated. Material that is chipped, warped, hazed or discolored as a result of installation or fabrication methods will be rejected.
- D. Install components plumb, level and rigid, scribed to adjacent finishes, in accordance with approved shop drawings and product data.
- E. Form field joints using manufacturer's recommended procedures. Locate seams in panels so that they are not directly in line with seams in substrates.

2.3 CLEANING AND PROTECTION

- A. Protect surfaces from damage until date of substantial completion. Repair work or replace damaged work, which cannot be repaired to COR's satisfaction.

End of Section 06 06 60