#1 - Question & Answer
Project plans call for a $5,000. Allowance for exhaust fan work. The Specifications have an Allowance section listed in the index but there is no accompanying specification. Please confirm we are to include that in our Bid.

Provide allowance in base bid.

#2 - Question & Answer
Please provide an FRP Door Specification. (None in spec book).

Refer to attached specification section.

#3 - Question & Answer
Please confirm “Pollution Legal Liability” and “Professional Errors and Omissions Liability” insurance policies are not a requirement for this project.

Confirmed, they are not a requirement for this project.

#4 - Question & Answer
Provide contact for Rowan’s existing Fire Alarm vendor.

Franklin Alarm

#5 - Question & Answer
The drawings call for new gray FRP doors, however, I cannot locate the division specification for preferred manufacturer, etc. Additionally, FRP doors are typically have long lead time items, sometimes upward of 3-4 months (especially during summer).

What happens if the projected lead time of a specified item exceeds the required substantial completion date?

Refer to the attached specification section. All aspects of the project need to be completed within the University’s timeline.
<table>
<thead>
<tr>
<th>#6 - Question &amp; Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provide the sizes on the 2 American Olean items that you need pricing and availability for:</td>
</tr>
<tr>
<td>- 0025 - many sizes available</td>
</tr>
<tr>
<td>- C135 - 1x1, interlocking, block random, or brick joint</td>
</tr>
</tbody>
</table>

| 0025 – 6x6 |
| C135 – 1x1 Glass Mosaic Blend |

If you submitted questions to bids@rowan.edu by the due date indicated in the bid document, but they were not received and answered here, please contact:

Robert Yufer  
Office of Contracting & Procurement  
Yufer@rowan.edu  
856.256.4196
SECTION 08 2200 - FRP DOORS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division-1 Specification Sections, apply to this Section.

1.02 SUMMARY

A. This Section includes the following:

1. Interior solid-core FRP doors.
2. Factory finishing.
3. Field finishing.
4. Preparation and pre-machining of FRP doors for specified finish hardware.

1.03 SUBMITTALS

A. Product Data: For each type of door indicated. Include details of core and edge construction, louvers, trim for openings, and WDMA I.S.1-A classifications. Include factory finishing specifications.

B. Shop Drawings: Submit Shop Drawings indicating location and size of each door, elevation of each kind of door, details of construction, location and extent of hardware, cutouts, blocking, factory finishing and other pertinent data.

1. Shop Drawings shall be of sufficient detail and scale to determine compliance with the intent of the quality standards as specified.
2. For factory-premachined doors, indicate dimensions and locations of cutouts for locksets.
3. Indicate location, size, and hand of each door.
4. Indicate dimensions and locations of mortises and holes for hardware.
5. Indicate dimensions and locations of cutouts.
6. Indicate requirements for veneer matching.
7. Indicate location and extent of hardware blocking.
8. Indicate construction details not covered in Product Data.
9. Indicate doors to be factory finished and finish requirements.
10. Indicate fire protection ratings for fire rated doors.

C. Samples for Verification:

1. Samples: Factory finishes applied to actual door face materials, approximately 8 by 10 inches, for each material and finish.
2. Corner sections of doors, approximately 8 by 10 inches, with door faces and edges representing actual materials to be used.

a. Finish door samples with same materials proposed for factory finished doors.


1.04 PRODUCT DELIVERY, STORAGE, AND HANDLING
A. Protect doors to prevent damage, soiling and deterioration. Comply with requirements of referenced standards and recommendations manufacturer "How to Store, Handle, Finish, Install, and FRP Doors", as well as with manufacturer's instructions.

B. Identify each door with individual opening numbers which correlate with designation system used on Shop Drawings for door, frames, and hardware, using temporary, removable or concealed markings.

1.05 PROJECT CONDITIONS

A. Conditioning: Do not deliver or install doors until conditions for temperature and relative humidity have been stabilized and will be maintained in storage and installation areas during remainder of construction period to comply with the following requirements applicable to project's geographical location:

1. Referenced AWI quality standard including Section 100-S-3 "Moisture Content".

B. Storage: Store FRP doors under temperature and humidity conditions similar to actual conditions under which the building will operate.

1.06 EXTENDED WARRANTY

A. Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace doors that fail in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to, the following:
   a. Warping (bow, cup, or twist) more than 1/4 inch in a 42-by-84-inch section.

2. Warranty includes installation and finishing that may be required due to repair or replacement of defective doors.


PART 2 - PRODUCTS

2.1 MANUFACTURERS


B. Substitutions may be considered, provided manufacturer can comply with the specifications as written herein. Requests for substitution must be submitted in writing no less than 10 days prior to bid date.

2.2 MATERIALS

A. Fiberglass Mat: Glass fiber chopped strand, minimum 2 ounces per square foot.

B. Resins: Manufacturer's formulation for fabricating units to meet specified requirements.

C. Anchors: Manufacturer's standard stainless steel expansion anchors for existing openings, and stainless steel masonry tee anchors for new construction.

D. Fasteners: Stainless steel.
2.3 COMPONENTS

A. Non-rated Fiberglass Reinforced Plastic (FRP) Doors:
   1. Thickness: 1-3/4 inches (45 mm).
   2. Construction:
      a. Core: Polypropylene Honeycomb, Polyisocyanurate Foam or Gypsum Note:
         Gypsum core is utilized at Fire Rated door.
      b. Door Plates: Molded in one continuous piece, resin reinforced with hand-laid
         glass fiber mat, nominal 1/8 inch (3 mm) thick, minimum 15 mil gel-coated
         surface.
      c. Door Edges: Fiberglass mat reinforced, nominal 3/8 inch (9.5 mm) thick,
         machine tooled resin rich FRP matrix.
   3. Thermal Insulating Value: Up to ‘R’ factor 11 at Foam Core.

B. Fiberglass Reinforced Plastic (FRP) Transoms: Match adjacent door construction and
   color.

F. Door Hardware: As shown on drawings.

2.4 FABRICATION

A. Fiberglass Reinforced Plastic (FRP) Doors:
   1. Minimum glass fiber to resin ratio: 35 percent.
   2. Mortise for lockset, and recess for strike plate in lock stile.
   3. Embed reinforcement for hinges in fiberglass matrix; provide for hinge leaf recesses in
      hinge stile.

PART 3 - EXECUTION

3.01 EXAMINATION

A. Examine installed door pockets and supporting frame opening prior to hanging doors:
   1. Verify that conditions comply with requirements for type, size, location, and swing and
      have been installed plumb and level.
   2. Reject assemblies with defects.

B. Do not proceed with installation until unsatisfactory conditions have been corrected.

C. Coordinate door installation with adjoining/adjacent construction. Ensure blind cut framing is
   square and sized to receive indicated doors with proper alignments and clearances.

3.02 INSTALLATION

A. Finish Hardware: For installation see Division 8 Section - “Door Hardware.”

B. Manufacturer's Instructions: Install door slabs and pre-hung assemblies to comply with
   manufacturer's instructions, referenced AWI standard and as indicated.
   1. Bevel non-rated doors 1/8 inch in 2 inch at lock and hinge edges.

C. Factory fit door slabs to frames; machine for hardware. Touch-up cut and otherwise abraded
   edges.
3.03 ADJUSTING AND PROTECTION

A. Rehang or replace doors which do not swing properly; installed assemblies shall operate freely. Installations shall not stick, bind, squeak, rattle or possess other such conditions deemed unacceptable to the Architect.

   1. Repair and replace assemblies to the satisfaction of the Architect.

B. Protect FRP doors from damage during construction activities.

C. Protect doors as recommended by door manufacturer to ensure that FRP doors are without damage or deterioration at time of Substantial Completion.

END OF SECTION 08 2200