

Bid# 33491 - Addendum # 2

Rhode Island College – Donovan Dining Center Exterior Window Improvements

The attached documents are included to addendum# 2

- Question & Answers

Bid Opening Date: 5/5/15 @ 9:30 AM

Rhode Island College

East Campus – Building #5

600 Mt. Pleasant Avenue

Providence, RI 02908

ADDENDUM NO. 2

PART 1 - GENERAL

1.1 INTENT

- A. This addendum forms a part of the Bid Documents dated March 12, 2015. The Bidder shall ascertain, prior to submitting a bid, that all Addenda have been reviewed and shall acknowledge confirmation thereof in the Bid Form.
- B. It is intended that all work affected by the following provisions shall conform to the original specifications and drawings. Before submitting the Bid, the Contractor shall assure himself that all changes and interpretations covered by the contents herein are thoroughly understood and fully accounted for in the contract price.

PART 2 – PROJECT MANUAL

2.1 The following specification sections have been added:

09 26 13 Gypsum Veneer Plastering

09 90 00 Painting and Coatings

PART 3 – DRAWINGS

None

PART 4 – QUESTIONS

- 4.1 **QUESTION:** Drawing A3.1 Detail D shows the knee wall ledge as solid surface as noted in section 06 20 00 however there is no section by that number. What should we be using for a product?

ANSWER: Solid Surface material shall be changed to solid wood (paint grade poplar), with opaque paint finish per Spec Section 09 90 00 Painting and Coatings.

- 4.2 **QUESTION:** Drawing A3.1 Detail D – Keynote “external sheathing” references Sec 06 16 00. Section 06 16 00 cannot be found in manual - what should we be using?

ANSWER: Keynote should read 06 10 00 - External Sheathing. The keynote refers to glass mat faced gypsum sheathing.

- 4.3 **QUESTION:** Detail 9 on Drawing A3.1 mentions gyp vnr in section 09 26 13 but there is no such section in the specs.

ANSWER: Spec Section 09 26 13 Gypsum Veneer Plastering added by Addendum No.2

- 4.4 **QUESTION:** There are no specifications for re-grading and lowering the areas against the building the planting areas as noted on the drawings nor is there any mention of the plantings should they require removal, replacement, etc. Wouldn't the ground have to be graded away from the building and then transitioned into the bedded areas? My

site sub is also concerned about losing a lot of the bushes and trees trying to get in the areas with his equipment to grade the area properly.

ANSWER: Clarification – Site work along the base of the north elevation shall be limited to removal of mulch and soil only as needed to completely expose the aluminum window frames in order to allow for complete cleaning and installation of surface protectant. Complete re-grading of plant beds is not required as part of project scope.

4.5 **QUESTION:** Can additional anodized aluminum restoration product tests be done on the south elevation windows prior to bid.

ANSWER: No, a sample area of the anodized aluminum restoration cleaner and surface protectant was installed per the manufacturer's instructions on the south elevation. The sample area was reviewed on site at the prebid walk-through. No further sample tests shall be allowed.

4.6 **QUESTION:** Are existing concrete sidewalks around the building are strong and solid enough for 80' lifts to roll on and over without cracking or breaking as we have no knowledge of it's construction and what it's sitting on.

ANSWER: The GC is required to protect existing sidewalks around the building from damage due to construction activities. The GC shall be responsible for repairs to any damaged areas

4.7 **QUESTION:** Are there existing warranties for the roof that need to be maintained.

ANSWER: Yes. Warranties are in effect and must not be compromised by renovation work. Main Roof Area (20 year warranty, Mfr. Johns Manville, installer Eagle Cornice, dated May 4, 1997). Area over the Kitchen (20 year warranty, Mfr. Johns Manville, installer Eagle Cornice, dated October 20, 1999).

PART 5 – MISCELLANEOUS

END OF ADDENDUM NO. 2

SECTION 09 26 13 - GYPSUM VENEER PLASTERING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Gypsum veneer plaster on gypsum veneer base, masonry, concrete, existing plaster, and other substrates.
- B. Gypsum veneer base and accessories.
- C. Cementitious backer units installed as substrate for ceramic tile.

1.02 REFERENCE STANDARDS

- A. ASTM C587 - Standard Specification for Gypsum Veneer Plaster; 2004 (Reapproved 2009).
- B. ASTM C843 - Standard Specification for Application of Gypsum Veneer Plaster; 1999 (Reapproved 2012).
- C. ASTM C844 - Standard Specification for Application of Gypsum Base to Receive Gypsum Veneer Plaster; 2004 (Reapproved 2010).
- D. ASTM C1047 - Standard Specification for Accessories For Gypsum Wallboard and Gypsum Veneer Base; 2014a.
- E. ASTM C1396/C1396M - Standard Specification for Gypsum Board; 2014.
- F. GA-216 - Application and Finishing of Gypsum Board; 2013.
- G. GA-600 - Fire Resistance Design Manual; Gypsum Association; 2012.

1.03 SUBMITTALS

- A. Product Data: Provide data on veneer plaster products .
- B. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.

1.04 QUALITY ASSURANCE

- A. Installer Qualifications: Company specializing in performing the work of this section with minimum 5 years of experience.

1.05 FIELD CONDITIONS

- A. Do not apply veneer plaster when substrate or ambient air temperature is less than 50 degrees F (10 degrees C) nor more than 80 degrees F (27 degrees C); for 24 hours prior to, during operations and after, until building heating system can maintain the above minimum temperature.
- B. Avoid conditions that result in gypsum veneer plaster drying too rapidly.
 - 1. Distribute heat evenly; prevent concentrated or uneven heat on veneer plaster.
 - 2. Maintain relative humidity levels, for prevailing ambient temperature, that produce normal drying conditions.
 - 3. Ventilate building spaces in a manner that prevents drafts of air from contacting surfaces during veneer plaster application until it is dry.
- C. Do not install panels that are wet, moisture damaged, or mold damaged.
 - 1. Indications that panels are wet or moisture damaged include, but are not limited to, discoloration, sagging, and irregular shape.
 - 2. Indications that panels are mold damaged include, but are not limited to, fuzzy or splotchy surface contamination and discoloration.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Gypsum Veneer Plaster:
 - 1. Georgia-Pacific Gypsum LLC: www.gp.com/gypsum.
 - 2. National Gypsum Company: www.nationalgypsum.com.
 - 3. USG: www.usg.com.
 - a. Base Coat: Imperial Basecoat Plaster

- b. Finish Coat: Imperial Finish Plaster

2.02 MATERIALS

- A. Gypsum Veneer Plaster: ASTM C587, mixed in accordance with manufacturer's instructions.
- B. Standard Gypsum Veneer Base: ASTM C1396/C1396M; sizes to minimize joints in place; ends square cut.
- C. Fire-Rated Gypsum Veneer Base: ASTM C1396/C1396M, fire rated Type X; sizes to minimize joints in place; ends square cut.
- D. Gypsum Veneer Base Trim Accessories: Zinc-coated steel or plastic, complying with ASTM C1047.
- E. Gypsum Board Accessories: Complying with ASTM C1047, GA-216, GA-600, and ____.
- F. Joint Reinforcing for Gypsum Veneer Base: As specified in ASTM C587.
- G. Cementitious Backer Units: ANSI A118.9
- H. Joint Reinforcing Materials
 - 1. General: Comply with joint strength requirements in ASTM C 587 and with gypsum veneer plaster manufacturer's written recommendations for each application indicated.
 - 2. Joint Tape:
 - a. Gypsum Base for Veneer Plaster: As recommended by gypsum veneer plaster manufacturer for applications indicated.
 - b. Cementitious Backer Units: As recommended by cementitious backer unit manufacturer.
 - 3. Embedding Material for Joint Tape:
 - a. Gypsum Base for Veneer Plaster: As recommended by gypsum veneer plaster manufacturer for use with joint-tape material and gypsum veneer plaster applications indicated.
 - b. Cementitious Backer Units: As recommended by cementitious backer unit manufacturer for applications indicated.
- I. Standard Trim: ASTM C 1047, provided or approved by manufacturer for use in gypsum veneer plaster applications indicated.
 - 1. Material: Galvanized or aluminum-coated steel sheet, rolled zinc, plastic, or paper-faced galvanized steel sheet.
 - 2. Shapes:
 - a. Cornerbead.
 - b. LC-Bead: J-shaped; exposed long flange receives joint compound.
 - c. L-Bead: L-shaped; exposed long flange receives joint compound.
 - d. Reveal Bead, as indicated.
 - e. Control joints.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that substrates are ready to receive work.
- B. Verify masonry mortar joints are cut flush; verify surface is ready to receive work of this section. Verify no bituminous or water repellent coatings exist on masonry surface.
- C. Verify concrete surfaces are flat, honeycombs are filled flush, and surface is ready to receive work of this section. Verify no bituminous, water repellent, or form release agents exist on concrete surfaces.
- D. Verify gypsum board substrate is flat, joints are taped and sanded, and surface is ready to receive work of this Section. Verify joint and surface perimeter accessories are in place.
- E. Verify gypsum plaster base is flat, smooth and surface is ready to receive work. Verify joint and surface perimeter accessories are in place.

3.02 PREPARATION

- A. Clean surfaces of dust or loose matter.
- B. Remove projections greater than 1/8 inch (3 mm) and fill depressions greater than 1/4 inch (6 mm) with Portland cement mortar.

3.03 INSTALLATION - GYPSUM PLASTER BASE

- A. Place acoustical insulation in partitions tight within spaces, around cut openings, behind and around electrical and mechanical items within or behind partitions, and tight to items passing through partitions.
- B. Install gypsum base in accordance with ASTM C844.
- C. Use drywall screws to fasten gypsum base to framing substrate.
- D. Single Layer Base:
 - 1. Install gypsum board vertical, with ends and edges occurring over firm bearing.
 - 2. At furred partition faces, place 4 inch (100 mm) wide strip of gypsum board, same thickness as furring, at perimeter of wall openings and partition.
- E. Install accessories.
- F. Install joint reinforcing materials.
- G. Tape, fill, and sand filled joints, edges, corners, openings, and trim to produce surface ready to receive veneer finish.
- H. Feather coats onto adjoining surfaces so that joint camber is maximum 1/32 inch (0.8 mm).
- I. Install acoustical sealant within partition assembly in accordance with manufacturer's instructions.
- J. Install acoustical sealant at gypsum board perimeter at:
 - 1. Metal Framing: One bead.
 - 2. Perimeter interruptions.
 - 3. Seal penetrations of plaster by conduit, pipe, ducts, and rough-in boxes using acoustic sealant, except where firestopping is provided.

3.04 INSTALLATION - VENEER PLASTER

- A. Install gypsum veneer plaster in accordance with ASTM C843 and manufacturer's instructions.
- B. At All Locations: Two Coat Applications.
 - 1. Apply base coat to a thickness of 1/8 inches (3.2 mm)
 - 2. Apply final coat over slightly green, almost dry base coat, to a thickness of 1/16 inch (1.6 mm).
 - 3. Total Thickness: 3/16 inch (4.8 mm).
- C. Where gypsum veneer plaster abuts only metal door frames, windows, and other units, groove finish coat to eliminate spalling.
- D. Do not apply veneer plaster to gypsum base if paper facing has degraded from exposure to sunlight. Before applying veneer plaster, use remedial methods to restore bonding capability to degraded paper facing according to manufacturer's written recommendations and as approved by Architect.
- E. Concealed Surfaces: Do not omit gypsum veneer plaster behind cabinets, furniture, furnishings, and similar removable items. Omit veneer plaster in the following areas where it will be concealed from view in the completed Work unless otherwise indicated or required to maintain fire-resistance and STC ratings.
- F. Finish surface to flat, smooth, hard trowel finish.

3.05 TOLERANCES

- A. Maximum Variation From Specified Thickness: Plus or minus 1/64 inch (0.4 mm).

3.06 PROTECTION

- A. Do not permit traffic near unprotected finished surfaces.

END OF SECTION

SECTION 09 90 00 - PAINTING AND COATING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Surface preparation.
- B. Field application of paints.

1.02 REFERENCE STANDARDS

- A. 40 CFR 59, Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings; U.S. Environmental Protection Agency; current edition.
- B. ASTM D16 - Standard Terminology for Paint, Related Coatings, Materials, and Applications; 2012.
- C. ASTM D4442 - Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-Base Materials; 2007.
- D. GreenSeal GS-11 - Paints; 2013.
- E. Master Painters Institute (MPI Standards).

1.03 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide complete list of all products to be used, with the following information for each:
 - 1. Manufacturer's name, product name and/or catalog number, and general product category (e.g. "alkyd enamel").
 - 2. MPI product number (e.g. MPI #47).
 - 3. Cross-reference to specified paint system(s) product is to be used in; include description of each system.
 - 4. Manufacturer's installation instructions.
 - 5. If proposal of substitutions is allowed under submittal procedures, explanation of all substitutions proposed.
- C. Samples: Submit three paper "draw down" samples, 8-1/2 by 11 inches (216 by 279 mm) in size, illustrating range of colors available for each finishing product specified.
 - 1. Where sheen is specified, submit samples in only that sheen.
- D. Maintenance Data: Submit data on cleaning, touch-up, and repair of painted and coated surfaces.
- E. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 60 00 - Product Requirements, for additional provisions.
 - 2. Extra Paint and Coatings: 1 gallon (4 L) of each color; store where directed.
 - 3. Label each container with color in addition to the manufacturer's label.

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified, with minimum three years documented experience.
- B. Master Painters Institute (MPI)
 - 1. Products: Provide products complying with MPI standards indicated and listed in MPI approved products list.
 - 2. Preparation and Workmanship: comply with requirements of MPI Architectural Painting Specification Manual" for products and paint systems indicated.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.
- B. Container Label: Include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.
- C. Paint Materials: Store at minimum ambient temperature of 45 degrees F (7 degrees C) and a maximum of 90 degrees F (32 degrees C), in ventilated area, and as required by manufacturer's instructions.

1.06 FIELD CONDITIONS

- A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.
- B. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.
- C. Do not apply exterior coatings during rain or snow, or when relative humidity is outside the humidity ranges required by the paint product manufacturer.
- D. Minimum Application Temperatures for Latex Paints: 45 degrees F (7 degrees C) for interiors; 50 degrees F (10 degrees C) for exterior; unless required otherwise by manufacturer's instructions.
- E. Provide lighting level of 80 ft candles (860 lx) measured mid-height at substrate surface.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Provide all paint and coating products used in any individual system from the same manufacturer; no exceptions.
- B. Provide all paint and coating products from the same manufacturer to the greatest extent possible.
- C. Paints:
 - 1. Base Manufacturer: _____.
 - 2. Glidden Professional, a product of PPG Architectural Coatings: www.gliddenprofessional.com.
 - 3. PPG Architectural Finishes, Inc: www.ppgaf.com.
 - 4. Pratt & Lambert Paints: www.prattandlambert.com.
 - 5. Sherwin-Williams Company: www.sherwin-williams.com.
- D. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 PAINTS AND COATINGS - GENERAL

- A. Paints and Coatings: Ready mixed, unless intended to be a field-catalyzed coating.
 - 1. Where MPI paint numbers are specified, provide products listed in Master Painters Institute Approved Product List, current edition available at www.paintinfo.com, for specified MPI categories, except as otherwise indicated.
 - 2. Provide paints and coatings of a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.
 - 3. Provide materials that are compatible with one another and the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.
 - 4. For opaque finishes, tint each coat including primer coat and intermediate coats, one-half shade lighter than succeeding coat, with final finish coat as base color.
 - 5. Supply each coating material in quantity required to complete entire project's work from a single production run.
 - 6. Do not reduce, thin, or dilute coatings or add materials to coatings unless such procedure is specifically described in manufacturer's product instructions.
- B. Primers: As follows unless other primer is required or recommended by manufacturer of top coats; where the manufacturer offers options on primers for a particular substrate, use primer categorized as "best" by the manufacturer.
- C. Volatile Organic Compound (VOC) Content:
 - 1. Provide coatings that comply with the most stringent requirements specified in the following:
 - a. 40 CFR 59, Subpart D--National Volatile Organic Compound Emission Standards for Architectural Coatings.
 - 2. Determination of VOC Content: Testing and calculation in accordance with 40 CFR 59, Subpart D (EPA Method 24), exclusive of colorants added to a tint base and water added at project site; or other method acceptable to authorities having jurisdiction.
- D. Sheens: Provide the sheens specified; where sheen is not specified, sheen will be selected later by Architect from the manufacturer's full line.

- E. Colors: To be selected from manufacturer's full range of available colors.
 - 1. Selection to be made by Architect after award of contract.

2.03 PAINT SYSTEMS - INTERIORS

- A. Gypsum Wallboard and Veneer Plaster
 - 1. Typical Walls: MPI System - INT 9.2B-G4
 - 2. Accent walls and surfaces: MPI System - INT 9.2B-G6
 - 3. Typical Gyp Bd Ceilings: INT 9.2B-G1
- B. Wood Doors, and trim - opaque finish - MPI System - INT 6.3B-G6

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that surfaces are ready to receive work as instructed by the product manufacturer.
- B. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application.
- C. Test shop-applied primer for compatibility with subsequent cover materials.
- D. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces are below the following maximums:
 - 1. Gypsum Wallboard: 12 percent.
 - 2. Plaster and Stucco: 12 percent.
 - 3. Masonry, Concrete, and Concrete Unit Masonry: 12 percent.
 - 4. Interior Wood: 15 percent, measured in accordance with ASTM D4442.
 - 5. Exterior Wood: 15 percent, measured in accordance with ASTM D4442.
 - 6. Concrete Floors and Traffic Surfaces: 8 percent.

3.02 PREPARATION

- A. Clean surfaces thoroughly and correct defects prior to coating application.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Remove or repair existing coatings that exhibit surface defects.
- D. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces or finishing.
- E. Seal surfaces that might cause bleed through or staining of topcoat.
- F. Remove mildew from impervious surfaces by scrubbing with solution of tetra-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.
- G. Concrete and Unit Masonry Surfaces to be Painted: Remove dirt, loose mortar, scale, salt or alkali powder, and other foreign matter. Remove oil and grease with a solution of tri-sodium phosphate; rinse well and allow to dry. Remove stains caused by weathering of corroding metals with a solution of sodium metasilicate after thoroughly wetting with water. Allow to dry.
- H. Gypsum Board Surfaces to be Painted: Fill minor defects with filler compound. Spot prime defects after repair.
- I. Plaster Surfaces to be Painted: Fill hairline cracks, small holes, and imperfections with latex patching plaster. Make smooth and flush with adjacent surfaces. Wash and neutralize high alkali surfaces.
- J. Corroded Steel and Iron Surfaces to be Painted: Prepare using at least SSPC-SP 2 (hand tool cleaning) or SSPC-SP 3 (power tool cleaning) followed by SSPC-SP 1 (solvent cleaning).
- K. Uncorroded Uncoated Steel and Iron Surfaces to be Painted: Remove grease, mill scale, weld splatter, dirt, and rust. Where heavy coatings of scale are evident, remove by hand or power tool wire brushing or sandblasting; clean by washing with solvent. Apply a treatment of phosphoric acid solution, ensuring weld joints, bolts, and nuts are similarly cleaned. Prime paint entire surface; spot prime after repairs.
- L. Shop-Primed Steel Surfaces to be Finish Painted: Sand and scrape to remove loose primer and rust. Feather edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare steel surfaces. Re-prime entire shop-primed item.

- M. Interior Wood Surfaces to Receive Opaque Finish: Wipe off dust and grit prior to priming. Seal knots, pitch streaks, and sappy sections with sealer. Fill nail holes and cracks after primer has dried; sand between coats. Back prime concealed surfaces before installation.
- N. Exterior Wood Surfaces to Receive Opaque Finish: Remove dust, grit, and foreign matter. Seal knots, pitch streaks, and sappy sections. Fill nail holes with tinted exterior calking compound after prime coat has been applied. Back prime concealed surfaces before installation.
- O. Metal Doors to be Painted: Prime metal door top and bottom edge surfaces.

3.03 APPLICATION

- A. Exterior Wood to Receive Opaque Finish: If final painting must be delayed more than 2 weeks after installation of woodwork, apply primer within 2 weeks and final coating within 4 weeks.
- B. Apply products in accordance with manufacturer's instructions.
- C. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.
- D. Apply each coat to uniform appearance.
- E. Sand wood and metal surfaces lightly between coats to achieve required finish.
- F. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.
- G. Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

3.04 CLEANING

- A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.

3.05 PROTECTION

- A. Protect finished coatings until completion of project.
- B. Touch-up damaged coatings after Substantial Completion.

END OF SECTION