

# Addendum No. 1

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**DATE:** August 16, 2011

Joliet Junior College  
1215 Houbolt Road  
Joliet, IL 60431

**TO:** Prospective Bidders  
**SUBJECT:** Addendum No. 1  
**PROJECT NAME:** Exterior Stairwell Replacement  
**JJC PROJECT NO.:** B11040

This Addendum forms a part of the Bidding and Contract Documents and modifies the original bidding document as posted on the JJC website. Acknowledge receipt of this addendum in the space provided on the Bid Form. FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION.

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**Contractor Question #1:**

For all stairs (E1, E2, and alternate A1), what are the weight limitations on the sidewalks nearest each stair for the purposes of material and equipment mobilization?

**Response:** No information is available. Contractor to perform own analysis if desired. Contractor responsible for protecting and/or replacing damaged sidewalks and any surrounding landscape, curbs, pavements, etc.

**Contractor Question #2:**

For all stairs (E1, E2, and alternate A1), provided adjacent sidewalks can support lifting devices, are there specific restrictions to installing the stairs and landings in shop assembled pieces prior to installing the roof?

**Response:** This is a contractor Means and Methods issue, however we do not recommend allowing installed metal work to remain exposed to the elements as it will likely corrode and require additional surface prep work prior to painting, for which the contractor would be solely responsible.

**Contractor Question #3:**

For all stairs (E1, E2, and alternate A1), please confirm that lowest level landing (Elevation 100'-0" matching existing) and highest landing (+/-113'-0" matching existing) are poured in place on top of form deck. Sections 7 & 8/A302 seem to indicate that only the lowest landing (Elevation 100'-0") in stair E2 is constructed in this way.

**Response:** The design and construction of the stairs and landings components will be selected by the contractor's stair engineer. The project specifications indicate the design criteria for the metal pan stairs and landings. The lower landing of stair E2 shows the metal deck system as it is a unique condition based on the existing gas line which is why the details are developed for this condition only.

**Contractor Question #4:**

What type of spandrel glass are they looking for at the top of elevation 1.00? Not in specifications.

**Response:** SG1 with factory applied paint on #4 surface. Color to be selected by Architect.

**Contractor Question #5:**

The door types show an aluminum door with 8" wide vertical stiles and 10" top and bottom rails. We can do the 10" at both the top and bottom of the door but we do not have 8" wide vertical rails. The widest we have is 5".

**Response:** Basis of design shall be EFCO D500 wide stile doors with 5" sides, 5" top and 6 1/2" bottom.

**Contractor Question #6:**

How do I calculate the height of the transom above the door at elevation 1.01? The elevation shows that it varies and the floor elevation changes by 6" between stair towers but I can not figure how tall either elevation is in height?

**Response:** The top elevation for 1.01 is to be +/- 122'-1 1/4".

**Contractor #7:**

Drawings say to match existing finish. Match existing finish of what?

**Response:** See **Additional Addendum Item #4** of this document.

**Contractor Question #8:**

Where is the hardware schedule? I have hardware type 2 but I can not find the schedules. All hardware for the aluminum doors is by the hardware supplier but I could not find the schedule.

**Response:** Hardware Schedule is on sheet A400 directly below "Door and Frame Schedule".

**Clarification #1:**

G100 (box note): The requirement for maintaining egress must be satisfied in a manner that does not involve the cutting of temporary openings into the walls of the existing buildings. This is a contractor Means and Methods issue. The contractor must phase, sequence and perform the work so as to maintain the exit doors to the existing stair as the means of emergency exit while occupants are in the buildings, by erecting protected temporary stairs from these doors to the ground. This will require work outside normal work hours in order to complete certain aspects of the stair construction, such as, at a minimum, removal of existing landings and erection of temporary, protected stairs, removal of temporary stairs and construction and final tie-in of new landings and exterior walls that return to the buildings.

**Clarification #2:**

The contractor will be responsible for returning any disturbed areas (as a result of this project) of JJC property back to its original condition.

**Clarification #3:**

The contractor is to provide for and monitor all necessary winter conditions (i.e. enclosure/heating, necessary snow removal from the site, salting around the site, etc.) to provide a safe and proper working environment. JJC utilities or equipment are not to be used for any winter condition requirements.

**Clarification #4:**

The general contractor bid is to be inclusive of all construction documents, including the landscape plans prepared by Ruettiger, Tonelli & Associates.

**Additional Addendum Item #1:**

Drawings A300, A301 and A400 have been revised. Refer to attached sheets for clouded changes.

**Additional Addendum Item #2:**

Specification section 09900 has been revised to identify the exterior painting system. Refer to Article 2.04 of the attached specifications.

**Additional Addendum Item #3:**

Specification section 08710 – Owner will supply all door exit devices, cores, lock sets and keys. Contractor to install owner provided material. Contractor is to hold a meeting with JJC personnel for coordination of all such devices prior to ordering any doors.

**Additional Addendum Item #4:**

Specification Section 07240 – 2.03 Materials

A1. Texture = To match Stolit – acrylic based texture coating with graded marble aggregate.

A2. Color= To match Sonnerborn White #452-P

Specification Section 08800 – 2.01 Glazing Types

A.5.a. Tint= To match Light Blue (Azuria by PPG – basis of design)

**Additional Addendum Item #5:**

The allowance as called for in General Note C1 on the drawing Cover Sheet G100 shall be revised to a \$25,000 allowance in lieu of the amount shown on the drawing.

**End of Addendum #1**

## SECTION 09900

### PAINTS AND COATINGS

#### PART 1 GENERAL

##### 1.01 SECTION INCLUDES

- A. Surface preparation.
- B. Field application of paints, stains, varnishes, and other coatings.
- C. Surfaces to be finished are indicated in this section and on the Drawings.

##### 1.02 RELATED REQUIREMENTS

##### 1.03 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. MPI (APL) - Master Painters Institute Approved Products List; Master Painters and Decorators Association; current edition, [www.paintinfo.com](http://www.paintinfo.com).
- C. MPI (APSM) - Master Painters Institute Architectural Painting Specification Manual; Master Painters and Decorators Association; 2004.

##### 1.04 SUBMITTALS

- A. 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 (copy of relevant MPI Manual page is acceptable).

#### 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.

##### 2.02 MATERIALS - GENERAL

- A. 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.

- B. Paints and Coatings: Provide products listed in Master Painters Institute Approved Product List, current edition available at [www.paintinfo.com](http://www.paintinfo.com), for specified MPI Categories, except as otherwise indicated.
  - 1. Provide ready mixed paints and coatings, except field-catalyzed coatings.
  - 2. 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.

### **2.03 PAINT SYSTEMS**

- A. Provide Premium Grade systems (2 top coats) as defined in MPI Architectural Painting Specification Manual, except as otherwise indicated.
- B. Where a specified paint system does not have a Premium Grade, provide Custom Grade system.

### **2.04 EXTERIOR PAINT SYSTEMS**

- A. Metal Fabrications:
  - 1. Applications include doors and frames.
  - 2. P2: EXT 5.1C W.B. Light Industrial Coating: Alkyd Metal Primer MPI #79, W.B. Light Industrial Coating MPI #163, semi-gloss.

### **2.05 INTERIOR PAINT SYSTEMS**

- A. Concrete Masonry Units:
  - 1. P1: INT 4.2E Institutional Low Odor/VOC: Latex Block Filler MPI #4, Institutional Low Odor/VOC MPI #147, gloss level 5.
- B. Structural Steel and Metal Fabrications:
  - 1. P2: INT 5.1R High Performance Architectural Latex: Alkyd Metal Primer MPI #76 or 79, HIPAC Latex MPI #141, gloss level 5.
- C. Gypsum Board:
  - 1. P3: INT 9.2M Institutional Low Odor/VOC: Latex Primer Sealer MPI #149, Institutional Low Odor/VOC MPI #145, gloss level 3.

## **PART 3 EXECUTION**

### **3.01 SCOPE -- SURFACES TO BE FINISHED**

- A. Paint all exposed surfaces except where indicated not to be painted or to remain natural; the term "exposed" includes areas visible through permanent and built-in fixtures when they are in place.
- B. Paint the surfaces described in PART 2, indicated on the Drawings, and as follows:
  - 1. If a surface, material, or item is not specifically mentioned, paint in the same manner as similar surfaces, materials, or items, regardless of whether colors are indicated or not.
  - 2. Paint surfaces behind movable equipment and furnishings the same as similar exposed surfaces.
  - 3. Paint surfaces to be concealed behind permanently installed fixtures, equipment, and furnishings, using primer only, prior to installation of the permanent item.

4. Paint back sides of access panels and removable and hinged covers to match exposed surfaces.
  5. Finish top, bottom, and side edges of exterior doors the same as exposed faces.
  6. Paint all insulated and exposed pipes, conduit, boxes, insulated and exposed ducts, hangers, brackets, collars and supports, mechanical equipment, and electrical equipment occurring in finished areas to match background surfaces, unless otherwise indicated.
  7. Paint shop-primed mechanical and electrical items occurring in finished areas.
- C. Do Not Paint or Finish the Following Items:
1. Items fully factory-finished unless specifically noted; factory-primed items are not considered factory-finished.
  2. Items indicated to receive other finish.
  3. Items indicated to remain naturally finished.
  4. Fire rating labels, equipment serial number and capacity labels, and operating parts of equipment.

### **3.02 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; report incompatible primer conditions and submit recommended changes for Architect's approval.
- 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. Plaster and Gypsum Board: 12 percent.
  2. Masonry, Concrete, and Concrete Unit Masonry: 12 percent.
- E. Measure the pH factor of concrete, masonry, and mortar before starting any finishing process, using the method specified in MPI Architectural Painting Manual.
  1. Report results in writing to Architect before starting work.
  2. If results of test indicates need for remedial action, provide written description of remedial action. If a different primer or paint systems is required, state the total cost of the change. Do not proceed with remedial action or change without receiving written authorization from Architect.

### **3.03 PREPARATION**

- A. Prepare surfaces as specified in MPI Architectural Painting Specification Manual and as follows for the applicable surface and coating; if multiple preparation treatments are specified, use as many as necessary for best results; where the Manual references external standards for preparation (e.g. SSPC standards), prepare as specified in those standards; comply with coating manufacturer's specific preparation methods or treatments, if any.
- B. Coordinate painting work with cleaning and preparation work so that dust and other contaminants do not fall on newly painted, wet surfaces.

- C. Surface Appurtenances: Prior to preparing surfaces or finishing, remove electrical plates, hardware, light fixtures, light fixture trim, escutcheons, machined surfaces, fittings, and similar items already installed that are not to be painted.
  - 1. If removal is impractical or impossible because of the size or weight of the item, provide surface-applied protection before preparation and finishing.
  - 2. After completing painting in each space or area, reinstall items removed using workers skilled in the trades involved.
- D. Surfaces: Correct defects and clean surfaces which affect work of this section. Remove or repair existing coatings that exhibit surface defects.
- E. Marks: Seal with shellac those which may bleed through surface finishes.
- F. Impervious Surfaces: Remove mildew by scrubbing with solution of tetra-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.
- G. Concrete, Cement Plaster 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. 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 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.
- J. 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.

### **3.04 APPLICATION**

- A. Apply products in accordance with manufacturer's instructions and as specified or recommended by MPI Manual, using the preparation, products, sheens, textures, and colors as indicated.
  - 1. Remove, refinish, or repaint work not complying with requirements.
- B. Do not apply finishes over dirt, rust, scale, grease, moisture, scuffed surfaces, or other conditions detrimental to formation of a durable coating film; do not apply finishes to surfaces that are not dry.
- C. Use applicators and methods best suited for substrate and type of material being applied and according to manufacturer's instructions.
  - 1. Brush Application: Use brushes best suited for the type of material applied; use brush of appropriate size for the surface or item being painted; produce results free of visible brush marks.
  - 2. Roller Application: Use rollers of carpet, velvet back, or high-pile sheep's wool as recommended by manufacturer for material and texture required.

3. Spray Application: Use airless spray equipment with orifice size as recommended by manufacturer for material and texture required.
  4. Where application method is listed in the MPI Manual for the paint system that application method is required; otherwise any application method recommended by manufacturer for material used and objects to be painted is acceptable.
- D. Minimum Coating Thickness: Apply paint materials no thinner than manufacturer's recommended spreading rate; provide total dry film thickness of entire system as recommended by manufacturer.
1. Number of coats and film thickness required are the same regardless of application method.
  2. If undercoats, stains, or other conditions show through final coat of paint, apply additional coats until paint film is of uniform finish, color, and appearance.
  3. Give special attention to ensure edges, corners, crevices, welds, and exposed fasteners receive dry film thickness equivalent to that of flat surfaces.
- E. Apply finish to completely cover surfaces with uniform appearance without brush marks, runs, sags, laps, ropiness, holidays, spotting, cloudiness, or other surface imperfections.
1. Before applying finish coats, apply a prime coat of material recommended by manufacturer, unless the surface has been prime coated by others; where evidence of suction spots or unsealed areas in first coat appear, recoat primed and sealed surfaces to ensure finish coat with no burn through or other defects due to insufficient sealing.
  2. Apply first coat to surface that has been cleaned, pretreated, or otherwise prepared as soon as practical after preparation and before subsequent surface deterioration.
  3. Do not apply succeeding coats until the previous coat has cured as recommended by manufacturer.
  4. Do not recoat until paint has dried to where it feels firm, does not deform or feel sticky under moderate thumb pressure, and application of another coat will not cause the undercoat to lift or lose adhesion.
  5. If manufacturer's instructions recommend sanding to produce a smooth, even surface, sand between coats.
  6. Before applying next coat vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.

### **3.05 CLEANING AND PROTECTION**

- A. Collect waste material which may constitute a fire hazard, place in closed metal containers, and remove daily from site.
- B. At the end of each workday, remove empty cans, rags, rubbish, and other discarded paint materials from site.
- C. Protect other work, whether being painted or not, against damage by painting. Correct damage by cleaning, repairing or replacing, and repainting as approved by Architect.
- D. Provide "Wet Paint" signs to protect newly painted finishes. Remove temporary protective wrappings provided by others to protect their work after completing painting operations.

- E. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces. Comply with procedures specified in MPI Manual.

**END OF SECTION**