

THE PENNSYLVANIA STATE UNIVERSITY
Harrisburg
Library-Window Repairs/Replacement

PSU PROJECT NO. 00-08549.00

DGS NO. 800-311

ADDENDUM NO. 2

March 27, 2024

TO ALL BIDDERS

The Contents of this Addendum alter and amend the original drawings and specifications and take precedence over the related items therein.

GENERAL

A. The bid due date has been revised to April 4, 2024.

SPECIFICATIONS

SECTION 088000 GLAZING

A. ADD Paragraph 2.4 as follows:

2.4 LAMINATED GLASS

- A. Laminated Glass – General: ASTM C1172 and complying with testing requirements in 16 CFR 1201 for Category II materials, and with other requirements specified. Use materials that have a proven record of no tendency to bubble, discolor, or lose physical and mechanical properties after fabrication and installation.
1. Construction: Laminate glass with interlayers to comply with interlayer manufacturer's written recommendations.
 2. Interlayer Thickness: Provide thickness not less than that indicated, and as needed to comply with requirements; one or multiple layers, formulated to absorb the majority of all naturally-occurring ultraviolet (UV) radiation from sunlight and provide long-term stability with built-in UV filtering.
 3. Basis-of-Design Products: Subject to compliance with requirements, provide the following interlayer products, or comparable interlayer products by other manufacturers that meet the specified standard of quality:
 - a. Polyvinyl butyral (PVB): Kuraray "Butacite."
 - b. Acoustic: Kuraray "Acoustic."
 - c. High-Security: Kuraray "SentryGlas."
 4. Type ILG-1 Insulated Laminated Safety Glass: Insulated glass units consisting of one lite of 1/4-inch-thick clear tempered glass and one lite of 7/16-inch-thick laminated tempered glass (two 3/16 inch-thick lites of clear, tempered safety glass laminated with a high-security, .060 interlayer equal to Kuraray "SentryGlas"), separated by a 3/8 inch-thick sealed air space. Provide insulated units with low "E" coating. Primarily for use at the building's primary entrance points where

noted on Drawings primarily facing North and East. Refer to Schedules for applied use.

- a. Basis-of-Design Product: Subject to compliance with requirements, provide units fabricated with "Vitro Glass Solarban 60 Clear" or comparable product, with the following characteristics:

- 1) Ultra Violet: 18%.
- 2) Visible Light Transmittance: 70%.
- 3) Total Solar Energy Transmittance: 34%.
- 4) Winter Night-time U Value: .29.
- 5) Summer Day-time U Value: .27.
- 6) Shading Coefficient: .45.
- 7) Solar Heat Gain Coefficient: .39.
- 8) Light to Solar Gain: 1.79.

- b. Insulating Glass Unit Make-up:

- 1) Outboard Lite: "Vitro Glass Solarban 60 Clear," 1/4-inch-thick.
- 2) Low "E" coating on 2nd surface.
- 3) 3/8-inch-thick desiccant filled structural silicone spacer; Quanex Super Spacer TriSeal, GE3, black.
- 4) Inboard Lite: 7/16-inch-thick clear laminated glass as follows:
 - a) First Ply: Clear tempered glass, 3/16-inch-thick.
 - b) Interlayer: High-Security, 0.060-inch-thick; clear.
 - c) Second Ply: Clear tempered glass, 3/16-inch-thick.
 - d) Overall Inboard Lite Thickness: 7/16-inch.
 - e) Overall Thickness: 1-1/16-inch. –

DRAWINGS

SHEET NO. A6.2 – ALUMINUM CURTAIN WALL ELEVATIONS

- A. REVISE Glazing Legend to include Laminated Glazing which is required at frame A7 as shown on frame elevations.

The inclusion of this Addendum shall be acknowledged upon submission of the Contractor's Bid via e-Builder. By submission of a Bid, Bidder agrees to full acceptance of the provisions herein. All other provisions of these Specifications, Drawings, and Contract Documents shall remain unchanged and in full effect.

This Addendum shall be attached to and become part of the Specifications for the above Contract.

Attachments:

None.

END OF ADDENDUM NO. 2

CONTRACTOR QUESTIONS:

- 59 Q: Bid Response / Step 3 is asking for a "PA Vendor Number". Please clarify what number this is referencing and where I may find this number for our company.
A: N/A – Contracting firm is responsible for this number.
- 60 Q: Kawneer no longer anodizes "champagne" will a matching painted finish be acceptable?
A: No.
- 61 Q: The flush panel doors are not listed in the specifications. Is there a basis of design manufacturer for these doors?
A: See Addendum No. 1
- 62 Q: The specified YKK-AP aluminum "XT" door product in spec section 084113 has been discontinued by the manufacturer. Is there another product we should be using as basis of design?
A: See Addendum No. 1
- 63 Q: What wind loads are we to apply? We'll need this information in order to identify if steel reinforcement is required for any of the curtain-wall openings. Specifically we're questioning the 7-1/2" product.
A: See Addendum No. 1
- 64 Q: The spec section does not identify 6" curtain-wall material. Please identify if there are any differences between 6" (as on the plans) to the other curtain-wall products.
A: See Addendum No. 1
- 65 Q: Please provide a detail for the window head to exterior soffit. It appears the soffit will need to be removed to replace these windows. This condition occurs at the West and South elevation second floor windows.
A: Refer to detail 8/A6.3.
- 66 Q: Please identify a quantity of window sills (25%,50%, etc.) or provide a unit price option in order to define costs for window sill modification.
A: Assume each sill at every window will need minor modification to accommodate new window.
- 67 Q: On Sheet A6.2 the architect the Glazing legend eliminated the Laminated insulated glass but elevation A7 still has what used to be the laminated glass shown in the top 2 rows of glass lights. What type of glass is to be supplied there?
A: See Addendum No. 2
- 68 Q: E-Builder still does not appear to have a Unit Price 4 for the fungicidal treatment. Please update e-builder to allow the GC's a place to type in this Unit Price.
A: The eBuilder template will be updated.
- 69 Q: Addendum #1 appears to have deleted the laminated glazing, however addendum #1 / reissued drawing A6.2 / elevation A7 still includes the hatching for the laminated glazing. Please confirm this hatching can be removed, and the glass in this frame has no other special requirements.
A: See Addendum No 2
- 70 Q: The drawings required the partitioned off work space to have negative air. This might prove to be difficult with the size of the windows coming out to keep negative pressure in the work space. please clarify.
A: Negative air pressure is to be maintained.
- 71 Q: Is the color screen on the temp fencing required, if so, should it have the logo imprinted on it?
A: Screening is not required on the temporary fence.