



**ADDENDUM NO. 5**

**February 24, 2020**

**TO: ALL PLANHOLDERS**

**RE: HIGH SCHOOL #13**

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated January 7, 2020. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

Addendum No.5 consists of seven (7) pages, including this cover letter.



1369 Generals Highway | Crownsville, MD 21032 | 410.266.7722 | [www.tca-architects.com](http://www.tca-architects.com)

24 February 20

**Addendum No. 5**

**High School #13**

Howard County Public School System  
Bid Number: 016.20.B4

The following is intended to clarify, correct, revise, and restate various parts of the Drawings and Specifications all of which shall form part of this Contract.

Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bid to be considered as non-responsive.

Reference Attachment A.

**Oak Contracting, LLC**  
**High School #13 Addendum No. 5**  
**Attachment A, February 24, 2020**

**This Attachment A portion of the addendum includes changes and clarifications to the Contract Documents as follows:**

**Item:**

This Cover page	1 page
Revisions to Oak portion of Addenda #4	4 pages

**General**

1. When acknowledging receipt of addenda on the bid form, Contractors shall use the following dates as noted in the TCA portions: Addendum #1 - 1/21/2020, Addendum #2 - 2/11/2020, Addendum #3 - 2/18/2020, Addendum #4 – 2/21/2020, Addendum #5 – 2/24/2020
2. Contractors shall include all additions, deletions, clarifications and RFI responses published in addenda into their respective scopes of work as applicable.

**Revisions to Oak Portion of Addenda #4**

1. Response to Prebid RFI PB-057 in Addendum #4 did not include the contractor questions. Complete Pre-bid RFI PB-057 follows this page.



Request For Information PB-057

<b>High School #13</b> Mission Road	<b>Project # 1705</b> Tel: Fax:
--	------------------------------------

**RFI #: PB-057** **Date Created: 2/10/2020**

Answer Company	Answered By	Author Company	Authored By
TCA Architects 1369 General's Hwy Crownsville, MD 21032	Robyn Toth Phone: 410-266-7722 Fax:	Oak Contracting, LLC 1000 Cromwell Bridge Road Towson, MD 21286	Corey Wixsom Phone: 410-828-1000 Fax:

<b>Co-Respondent</b>	<b>Author RFI Number</b>
----------------------	--------------------------

Subject	Discipline	Category
Glass Industries		

Cc:	Company Name	Contact Name	Copies	Notes
	Oak Contracting, LLC	File	1	

<b>Question</b> Please review attached Pre-bid RFI #PB-057 and provide a response.	<b>Date Required:</b>
---	-----------------------

**Suggestion**

<b>Answer</b>	<b>Date Answered: 2/17/2020</b>
---------------	---------------------------------

1. See 8A Contract Package item 2.10
2. Retainage will be released as stipulated in the contract documents
3. Per Specification Section 08 4113 Aluminum Entrances and Storefronts. Article 3.02 Installation "Storefront and curtain wall systems shall be water tested at 12 PSF. Any resulting water leaks shall be repaired to Owner's satisfaction." The following sentence from Article 2.03 Performance will be deleted from the specifications via addendum. "Water penetration shall be tested in accordance with ASTM E 331 with no water penetration at a test pressure of 15 PSF for 1600 UT system and 10 PSF for the 451UT System."
4. There are no substitutions allowed for specification section 08 4113 ALUMINUM ENTRANCES STOREFRONTS.
5. As stated in Specification Section 08 8100 2.02 B (Type '2') Low 'E' insulating tempered glass (North facing - Exterior) "Solar heat gain coefficient shall be 0.39 with overall window U-value of 0.28." and 2.02 C (Type '3') Low 'E' insulating tempered glass (South, East, West facing - Exterior) "Solar heat gain coefficient shall be 0.27 with overall window U-value of 0.27."
6. The flashing in question is part of the 7A Contract Package
7. The Press Box windows are angled, not projected. Section 08 5113 will be deleted from specifications via addendum. Press box shall be equipped with all items noted in paragraph 201.D Press Box and shown on drawing A-553. See Addendum #2 for scope clarification of pressbox.
8. Non-thermal 451 system is to be used for all interior openings.
9. Glass types in specifications will be renumbered via addendum to coordinate with A-612.
10. Yes this is acceptable. Specification will be revised via addendum
11. Door thickness for Kawneer Heavy Wall doors shall be 2" thick. This will be revised via addendum.
12. Operable vents shall be provided as shown on drawings A-612. Note will be added to A-400 series to clarify.
13. Per Specification Section 08 1100 / 2.08 Metal Frames H. "Where hollow metal panels are indicated on frame elevations, panels shall be fabricated with flush face panel in accordance with description for metal doors below. Continuously weld all sides of panels to frame." Depth of panels will be clarified via addendum.

14. All openings on A-612 are to be 7 ½" curtain wall.



**From:** [Steve Krell](#)  
**To:** [Matt Lurz](#); [Corey Wixsom](#); [Ed Lurz](#)  
**Cc:** [Michele Wixsom](#)  
**Subject:** FW: HCPS #13 RFI  
**Date:** Monday, February 10, 2020 11:37:09 AM

---

Pre-bid RFI #PB-057

Thanks,

Steve Krell, CPE



**From:** Justin Schneider  
**Sent:** Monday, February 10, 2020 11:12 AM  
**To:** Steve Krell <skrell@oakcontracting.com>; Michele Wixsom <mwixsom@oakcontracting.com>  
**Subject:** HCPS #13 RFI

Steve,

Please see our RFI questions below:

- Oak** 1. Section 011113 page 84 for the 8A contractor states that their proposal must name their hardware supplier. The 8A contractor though is not supplying door hardware, please clarify.
- Oak** 2. Can a more specific schedule be provided to give each bid package a better idea of when they will be required on site? If not, how is release of retention going to work for each contractor? Will they have to wait until the entire project is complete in 2023, or will it be released when their work is complete and approved?
- TCA** 3. Section 084113 3.02 states that storefront and curtain wall systems shall be water tested at 12 PSF. In section 2.03 however, the systems are specified to perform at 15 PSF for curtain wall and 10 PSF for storefront. Since the test results are achieved in laboratory conditions, field testing is typically performed at 2/3 of the specified value. Please confirm field testing will be performed at 10 PSF for curtain wall and 6.7 PSF for storefront.
- TCA** 4. Section 084113 lists Kawneer as the only acceptable manufacturer with no substitutions allowed. Section 085113 for windows however lists more manufacturers. Can the window manufacturers also be used for storefront and curtain wall?
- TCA** 5. Section 088100 2.02 B and C note, "overall window u-values" of .28 and .27. Please confirm this is referring to the center of glass value only, not the overall assembly. These values would not be easily achieved with the specified glass and framing if they are for the complete assembly.
- TCA** 6. Reference details 2E and 2D on A-611. What scope is responsible for the flashing above and below the metal wall panels?
- TCA** 7. Are the windows shown in the Press Box on 3/A-553 in the 8A scope? If so, which specification section applies? These windows appear to be projected, but section 085113 is for horizontal sliding windows. Also, note 1 under Windows on A-553 describes them as being single hung.
- TCA** 8. Section 084113 2.01 specified both an ultra thermal system (451UT) and a non-thermal system (451) for storefront. Sheet A-614 note 7 states that all openings shown are 451UT. Please confirm

that non-thermal 451 can be used for all interior openings.

- TCA 9. The glass types on A-612 and as described in 088100 do not appear to match up. For example, Type 1 in 088100 is an insulated unit, but Type 1 on A-612 is 1/4" clear tempered. This occurs at several types, which is correct?
- TCA 10. Is the description of laminated glass in section 088100 2.04.B to match up with glass type SG on A-612? If so, please confirm the following makeup is acceptable:  
1" overall thickness with 1/4" clear tempered outboard; SB60 or SB70 low-e; 1/4" clear annealed laminated inboard made from two 1/8" lites and .030" PVB.
- TCA 11. The specified storefront doors, Kawneer Heavy Wall, are 2" thick. The door schedule lists the thickness as 1-3/4" which would be the thickness of Kawneer's standard storefront door. Which is correct?
- TCA 12. Please confirm that the number of operable vents per opening should be taken from the elevations and not from the storefront schedule. For example all of the type C1 openings on the second and third floor are shown with two operable vents per opening. Type C1 on sheet A-612 however only shows one operable vent per opening.
- TCA 13. Some of the interior hollow metal openings are hatched with what is described as 3-1/4" aluminum infill panels on other sheets. Please confirm that interior openings can be quoted with 1/4" panels in lieu of 3-1/4".
- TCA 14. Note 7 on A-612 states that all openings shown are to be 7-1/2" curtain wall. Please confirm this to be the case, even if engineering suggests that storefront could be used structurally in lieu of curtain wall, due to the size of some of the openings shown.

Thanks,

Justin Schneider, Principal

Glass Industries, LLC.

4320 Old Milford Mill Road | Pikesville, MD 21208

443-750-0042 (P) | 443-681-6345 (F) | [www.glassind.com](http://www.glassind.com)



\*We're Hiring! If you know anyone that may be interested in joining the Glass Industries team, please don't hesitate to pass on our information!\*