

Brandywine School District
 Brandywine High School Renovations Phase 2
 Roof Package
 ABHA Project 1629

ADDENDUM NO. 2 ISSUED BY

ABHA Architects, Inc.
 1621 N. Lincoln Street
 Wilmington, Delaware 19806

NOTICE: Attach this Addendum to the Project Manual for this project. It modifies and becomes a part of the Contract documents. Work or materials not specifically mentioned herein are to be as described in the main body of the Specifications and as shown on the Drawings.

Acknowledge receipt of the Addendum in the space provided on the Bid Form. This Addendum is being transmitted to contractors who have received Contract Documents. If there are any problems with legibility or content, please contact ABHA Architects, Inc. (302) 658-6426.

ATTACHMENTS

Pre-Bid Sign-in Sheet

Specifications:

Section	00 4113	BID FORM
Section	07 7100	ROOF SPECIALTIES
Section	07 7236	AUTOMATIC SMOKE VENTS

Drawings:

General: G-001.2, G-002.2

Architectural: A-001.2, A-100.2, A-105.1, A-115.1, A-531, A-532, A-533, A-535, A-536

PRE-BID MEETING:

1. A MANDATORY Pre-Bid Meeting will be held at 1:00 PM on Monday, April 29, 2019.
 - a. Advertisement was read aloud.
 - i. Documents may be obtained through the start website (<http://bids.delaware.gov>) or through ABHA (ssweetman@ABHA.com)
 1. Addendum accessed through the State Website are split in to Project Manual and Drawing Files
 2. Addendum accessed through ABHA dropbox link is combined into a single file containing Project Manual and Drawings.
 - ii. Bids are now due, **Wednesday, May 22 @ 2:00 p.m. @** the gymnasium lobby.

- iii. Envelopes to be sealed, addressed to Carol Riddle and shall be labeled – Brandywine High School – Theatrical Package.
 - b. Bid form was reviewed.
 - i. Subcontractors List was reviewed.
 - c. Key Dates were reviewed. (**Note Changes in Dates are in Bold**)
 - i. Last day of Questions: **Monday, May 13, 2019 @ 12:00 P.M.** (noon)
 - ii. Last Addendum to be issued: **Friday, May 17, 2019**
 - iii. Bids are due: **Wednesday, May 22 @ 2:00 p.m.**
 - iv. Start of Construction: Wednesday, June 19, 2019
 - v. Completion of Construction: Friday, December 20, 2019
 - d. Job site Walk-thru occurred
 - i. Additional walk-throughs may occur any weekday.
 - ii. Coordinated with Brandywine School District. (Jim Conlon: Cell 302-218-3542)
 - iii. Project Scope Question shall be emailed to David Barisa of ABHA Architects (dbarisa@abha.com, ssweatman@abha.com).
 - 1. Subject Line of email: Brandywine High School – Roof Package.
2. Issues with viewing Addendum 1.
- a. Addenda on government site are (2) part
 - i. Project Manual
 - ii. Drawings
 - b. Addenda on ABHA Dropbox have Project manual and drawings combined into (1) file.
 - i. ABHA has reviewed link and Addendum No 1. Addendum No. 1 is loaded and complete.
 - ii. <https://www.dropbox.com/sh/c0y3ujy57dk76fn/AABvEZOuZz20HkPxXIqRixyAa?dl=0>
3. Temporary Toilet Room Services: Contractor is responsible to provide port-a-johns for their works. The School’s toilet rooms are not to be used by the contractors.

CHANGES TO PROJECT MANUAL:

- 1. Remove Sections:
 - a. Section 08 6300 Metal-Framed Skylights
 - b. Section 07 7200 – ROOF ACCESSORIES

2. Modify Sections:

a. Section 00 1116 - ADVERTISEMENT FOR BID

- i. Sealed bids for Brandywine High School Renovations Phase 2 – Roofing Package, will be received by the Brandywine School District in the Gymnasium Lobby until 2:00 PM local time on **Wednesday, May 22, 2019**, at which time they will be publicly opened and read aloud.

3. Replace Sections:

- a. Section 00 4113 - BID FORM
b. Section 07 7100 – ROOF SPECIALTIES

4. Add Sections:

- a. Section 07 7236 – AUTOMATIC SMOKE VENTS

CHANGES TO DRAWINGS:

1. Drawing Set Shall be Replaced in its entirety with the following Changes:

a. Drawings Removed from Set:

- i. General: N/A
ii. Architectural: A-105.2, A-105.3, A-105.4, A-115.2, A115.3, A-115.4, A-534

b. Drawings Replaced With Out Modifications:

- i. General: N/A
ii. Architectural: A-001.2, A-531

c. Drawings Replaced With Modifications:

- i. General: G-001.2, G-002.2
ii. Architectural: A-100.2, A-105.1, A-115.1, A-532, A-533, A-535, A-536

d. New Drawings Added: N/A

BRANDYWINE HIGH SCHOOL, PHASE 2 ROOFING PACKAGE
MANDATORY PRE-BID MEETING ATTENDANCE SHEET
ABHA Project # 1629

Pre-Bid Meeting
APRIL 29, 2019 - 2:00 PM

Name	Company Name	Mailing Address	Phone Number	Email Address
Dave Barisa	ABHA Architects	1621 N. Lincoln Street, Wilmington, DE 19806	(302) 658-6426	dbarisa@abha.com
Michael Baranowski	Ventrescabeos, Inc.	2300 N. DuPont Hwy New Castle, DE 19720	302-658-3634	Tony@ventrescabeos.com
Rich Michel	D.A. No 11, Inc.	53 Cross Keys Road Berlin, NJ 08009	856-753-9333	MAH@DANOLT
CHRIS MOORE	ACP	5 Great Valley Parkway Suite 334 Melvern PA	215-680-4060	Chris@acp llc . com
TIM BROWN	H.K. GRIFFITH, Inc.	115 HAPPY LANE NEWARK, DE 19711	302-368-4635	tim@hkgriffith.com
Harver Miller	Gullwing Contracting Inc.	728 Tobv Collins Ln Harrington De. 19952	302-242-5444	Harver@gullwingcontracting.com
Nectorios Psaromatis	Island Contracting	67288 Industrial Dr. Beltsville MD 20705	301-704-2493	gjjpc@aol.com
Chuck Copes	Fauvell Roofing, Inc	201 West Lake Street, MiddleTown, DE 19709	302-757-6007	pfauvell@fauvellroofinginc.com
Buck High	TRI-STATE ROOFERS	404 MELO DR WILM, DE 19804	302-995-7027	bhigh01@comcast.net
Brittany Dempsey	Union Roofing Contractors, Inc	12265 Townsend Rd Phila, PA 19154	(215) 464-6425	Cody@unionroofing.com
Oliver Burke	Jottan Inc	61 Eathy Ln Florence NJ	609 447 6200	SALESAdmin.jottan.com
Michael Cuocolo	P-C Roofing Inc	35 South Gate Blvd, Newcastle DE 19720	(302) 322-6767	Michael@PCRoofinginc.com
Nectorios Psaromatis	Paneko Construction Inc	74 Prospect Place Hillsdale NJ	347-580-0994	Info@paneko inc.com
Juan Martinez	D. Shinn Inc.	1408 Heines Ave. Wilm De. 19829	302-765-2222	Juan.Martinez@Dshinninc.com

PLEASE LEAVE YOUR BUSINESS CARD WITH THIS SHEET

SECTION 00 4113
BID FORM

FOR BIDS DUE: _____

TO: FOR: BRANDYWINE SCHOOL DISTRICT
BRANDYWINE HIGH SCHOOL
ROOFING PACKAGE

FOR CONTRACT:

NAME OF BIDDER: _____

DELAWARE BUSINESS LICENSE NO.: _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

TAXPAYER ID NO.: _____

(OTHER LICENSE NOS.): _____

PHONE NO.: () _____ FAX NO.: () _____

EMAIL ADDRESS: _____

The undersigned, representing that he has read and understands the Bidding Documents, including the complete Project Manual and the Drawings as listed in the Table of Contents, all dated April 8, 2019, and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

BASE BID - ROOFING AREA A (AUDITORIUM WING):

(expressed in words)

(\$ _____)
(expressed in figures)

BID FORM

BID FORM

SIGNATURE FORM

I / We acknowledge Addendas Numbered _____ and the price(s) submitted include any cost / schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for 30 days from the date of opening of bids (60 days for School Districts and Department of Education), and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid.

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within _____ calendar days of the Notice to Proceed.

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By: _____ Trading as: _____

(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____

(Authorized Signature)

(SEAL)

(Title)

Date: _____

Attachments:

Sub-Contractor List.

Non-Collusion Statement.

Affidavit(s) of Employee Drug Testing Program

Bid Security.

BID FORM
SUBCONTRACTOR LIST

SUBCONTRACTOR CATEGORY	SUBCONTRACTOR	ADDRESS (City & State)	SUBCONTRACTOR Taxpayer ID # or DE Business License #
Roof Demolition			
New Roofing and Temporary Protection			
Carpenter (Wood Blocking)			
Mason (Scupper Infill)			
Misc Metals (Roof Ladders)			

BID FORM
NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date *(to the Office of Management and Budget, Division of Facilities Management)*.

All the terms and conditions of this Contract have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

PHONE NUMBER: _____

EMAIL: _____

Sworn to and Subscribed before me this _____ day of _____, 20__

My Commission expires : _____ NOTARY PUBLIC _____

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID FORM
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite that complies with this regulation:

CONTRACTOR/SUBCONTRACTOR

NAME: _____

CONTRACTOR/SUBCONTRACTOR

ADDRESS: _____

AUTHORIZED REPRESENTATIVE

(TYPED): _____

AUTHORIZED REPRESENTATIVE

(SIGNATURE): _____

Sworn to and Subscribed before me this _____ day of _____, 20__

My Commission expires : _____ NOTARY PUBLIC _____

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

SECTION 07 7100
ROOF SPECIALTIES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Manufactured roof specialties, including fascias and gravel stops.

1.02 REFERENCE STANDARDS

- A. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum; 2014 (2015 Errata).
- B. ANSI/SPRI/FM 4435/ES-1 - Test Standard for Edge Systems Used with Low Slope Roofing Systems; 2017.
- C. NRCA (RM) - The NRCA Roofing Manual; 2018.

1.03 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on shape of components, materials and finishes, anchor types and locations.
- C. Shop Drawings: Indicate configuration and dimension of components, adjacent construction, required clearances and tolerances, and other affected work.
- D. Samples: Submit two color samples, 6 inch wide by 6 inch high (___ mm wide by ___ mm high), illustrating component shape, finish, and color.
- E. Manufacturer's Installation Instructions: Indicate special procedures, fasteners, supporting members, and perimeter conditions requiring special attention.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Roof Edge Flashings and Copings:
 - 1. Metal-Era Inc; Anchor-Tite: www.metalera.com/#sle.

2.02 COMPONENTS

- A. Roof Edge Flashings: Factory fabricated to sizes required; mitered, welded corners; concealed fasteners.
 - 1. Configuration: Fascia, _____, and edge securement for roof membrane.
 - 2. Pull-Off Resistance: Tested in accordance with ANSI/SPRI/FM 4435/ES-1 using test methods RE-1 and RE-2 to positive and negative design wind pressure as defined by applicable local building code.
 - 3. Material: Extruded aluminum, 0.08 inch (2.0 mm) thick, minimum.
 - 4. Finish: Anodized natural (clear).
 - 5. Manufacturers:
 - a. Metal-Era Inc; [Anchor-Tite]: www.metalera.com/#sle.
 - b. Substitutions: See Section 01 6000 - Product Requirements.

2.03 FINISHES

- A. Clear Anodized Finish: AAMA 611 AA-M12C22A41 Class I clear anodic coating not less than 0.7 mils (0.018 mm) thick.

2.04 ACCESSORIES

- A. Sealant for Joints in Linear Components: As recommended by component manufacturer.

- B. Sealant for Joints in Linear Components: As recommended by component manufacturer.
- C. Adhesive for Anchoring to Roof Membrane: Compatible with roof membrane and approved by roof membrane manufacturer.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that deck, curbs, roof membrane, base flashing, and other items affecting work of this Section are in place and positioned correctly.

3.02 INSTALLATION

- A. Install components in accordance with manufacturer's instructions and NRCA (RM) applicable requirements.
- B. Seal joints within components when required by component manufacturer.
- C. Anchor components securely.
- D. Coordinate installation of components of this section with installation of roofing membrane and base flashings.
- E. Coordinate installation of sealants and roofing cement with work of this section to ensure water tightness.

END OF SECTION

SECTION 07 7236
AUTOMATIC SMOKE VENTS

PART 1 GENERAL

1.01 SUMMARY

- A. Work Included: Provide factory-fabricated double-leaf automatic smoke vents.

1.02 SUBMITTALS

- A. Product Data: Submit manufacturer's product data.
- B. Shop Drawings: Submit shop drawings including profiles, accessories, location, fusible links, adjacent construction interface, and dimensions.
- C. Warranty: Submit executed copy of manufacturer's standard warranty.

1.03 QUALITY ASSURANCE

- A. Manufacturer: A minimum of 5 years experience manufacturing similar products.
- B. Installer: A minimum of 2 years experience installing similar products.
- C. Manufacturer's Quality System: Registered to ISO 9001 Quality Standards including in-house engineering for product design activities.

1.04 DELIVERY, STORAGE AND HANDLING

- A. Deliver products in manufacturer's original packaging. Store materials in a dry, protected, well-vented area. Inspect product upon receipt and report damaged material immediately to delivering carrier and note such damage on the carrier's freight bill of lading.

1.05 WARRANTY

- A. Manufacturer's Warranty: Provide manufacturer's standard warranty. Materials shall be free of defects in material and workmanship for a period of five years from the date of purchase. Should a part fail to function in normal use within this period, manufacturer shall furnish a new part at no charge.

PART 2 PRODUCTS

2.01 MANUFACTURER

- A. Basis-of-Design Manufacturer: Type ACDSH Double-Leaf Automatic Roof Fire Vent by The BILCO Company, P.O. Box 1203, New Haven, CT 06505, 1-800-366-6530, Fax: 1-203-535-1582, Web: www.bilco.com.

2.02 AUTOMATIC ROOF FIRE VENT

- A. Furnish and install where indicated on plans metal fire vent Type ACDSH, size 60 inch width x 120 inch length. Length denotes hinge side. The roof fire vent shall be double leaf. The roof fire vent shall be preassembled from the manufacturer.
- B. Performance characteristics:
 - 1. Vent(s) shall be UL listed.
 - 2. Covers shall be reinforced to support a minimum live load of 40 psf (195 kg/m²) with a maximum deflection of 1/150th of the span or 90 psf (439 kg/m²) wind uplift.
 - 3. Corrosion resistant gas springs shall open the vent covers simultaneously when latch is manually released or when heat breaks the UL listed fusible link. Opening shall be in a controlled manner to avoid damage to surrounding roof surfaces.
 - 4. Entire roof fire vent shall be weathertight with fully welded corner joints on cover and curb.

5. Latch mechanisms shall hold the covers in the closed position without overstressing the fusible link and withstand 90 psf (439 kg/m²) wind uplift forces acting on the cover.
6. Latch operation: When heat parts the UL listed fusible link, the latch shall release instantaneously, allowing vent covers to open. The latch shall be designed for easy resetting, after a fire or test, so that the covers cannot be latched closed unless the mechanism has been reset properly. Manufacturer shall provide instructions for resetting the latch with each unit.
7. Sound Transmission Rating: Vent(s) shall carry STC-46 sound rating.
- C. Covers: Shall be 14 gauge (1.9mm) paint bond G-90 galvanized steel with a 5" (127mm) beaded flange with formed reinforcing members.
- D. Gasket: PVC gaskets shall be permanently adhered to the underside of the covers and on top of the curb.
- E. Cover insulation: Shall be fiberglass of 3" (76mm) in thickness, fully covered and protected by a 14 gauge (1.9mm) paint bond G-90 galvanized steel liner.
- F. Curb: Shall be 12" (305mm) in height and of 14 gauge (1.9mm) paint bond G-90 galvanized with a fixed center channel. Curb shall be formed with a 5" (127mm) flange with 7/16" (11mm) holes provided for securing to roof deck. Curb shall be equipped with integral metal capflashing of the same gauge and material as the curb and feature the Bil-Clip® flashing system, including stamped tabs, 6" (153mm) on center, to be bent inward to hold single-ply roofing membrane securely in place.
- G. Curb insulation: Shall be 3" (76mm) fiberglass insulation, fully enclosed by a 14 gauge (1.9mm) paint bond G-90 galvanized steel liner.
- H. Lifting mechanisms: Corrosion resistant gas springs open covers automatically against a 10 lb/ft² (49Kg/m²) snow/wind load. Gas springs shall have built in dampers to assure a controlled rate of opening and automatically lock the covers in the full open position. A release mechanism shall be provided to allow the covers to be closed.
- I. Latch mechanism: Shall be the BILCO Thermolatch® II positive hold/release mechanism with a separate latching point for each cover controlled by a single UL listed 165°F (74°C) fusible link. Fusible link shall be curb mounted on a non-hinged end to allow the latching mechanism to be easily reset from the roof level.
- J. Hardware: Corrosion resistant gas springs and hot dip galvanized steel stop cables. All other hardware is zinc plated/chromate sealed.
- K. Finish: Factory finish shall be alkyd base red oxide primer.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine substrates and openings for compliance with requirements for installation tolerances and other conditions affecting performance. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. Install products in strict accordance with manufacturer's instructions and approved submittals. Locate units level, plumb, and in proper alignment with adjacent work.
 1. Test units for proper function and adjust until proper operation is achieved.
 2. Test fusible link and install replacement fusible link after testing.
 3. Repair finishes damaged during installation.
 4. Restore finishes so no evidence remains of corrective work.

3.03 ADJUSTING AND CLEANING

- A. Clean exposed surfaces using methods acceptable to the manufacturer which will not damage finish.

END OF SECTION