



HEADQUARTERS

2500 WRANGLE HILL ROAD
FOX RUN OFFICE PLAZA, SUITE 110
BEAR, DE 19701

302.832.1652 PHONE
302.832.1423 FAX

ARCHITECTS

ENGINEERS

FACILITIES SOLUTIONS

Project: Caesar Rodney School District
Charlton School Roof Replacement & Structural Modifications
Project No.: 15070
Date: April 26, 2016

PRE-BID
SIGN IN SHEET

REPRESENTATIVE

FIRM, PHONE NUMBER & EMAIL

- | | | |
|----|------------------------|--|
| 1. | <u>Buck High</u> | <u>Tri-State</u>
<u>302-995-7027</u>
<u>bhigh01@comcast.net</u> |
| 2. | <u>Jason Stallings</u> | <u>Quality Exteriors, Inc.</u>
<u>302-398-9283 x16</u>
<u>jason@qexteriorsinc.com</u> |
| 3. | <u>Michael Rosaio</u> | <u>Commonwealth Construction Co.</u>
<u>302-654-6611</u>
<u>mrosaio@itscommonwealth.com</u> |
| 4. | <u>Robin Schurman</u> | <u>BRS</u>
<u>302-270-7131</u>
<u>robin@brsconinc.com</u> |
| 5. | <u>Ken Duphily</u> | <u>Eagle Building & Grounds Maintenance</u>
<u>302-264-7773</u>
<u>No Email</u> |



HEADQUARTERS

2500 WRANGLE HILL ROAD
FOX RUN OFFICE PLAZA, SUITE 110
BEAR, DE 19701

302.832.1652 **PHONE**
302.832.1423 **FAX**

ARCHITECTS

ENGINEERS

FACILITIES SOLUTIONS

Project: Caesar Rodney School District
Charlton School Roof Replacement & Structural Modifications
Project No.: 15070
Date: April 26, 2016

**PRE-BID
SIGN IN SHEET**

REPRESENTATIVE	FIRM, PHONE NUMBER & EMAIL
6. <u>Rich Kline</u>	<u>Armour Proof</u> <u>609-820-4225</u> <u>rich@unitedasphalt.com</u>
7. <u>Cheryl Fearn</u>	<u>Bancroft Construction Co.</u> <u>302-254-6406</u> <u>jane@bancroftusa.com</u>
8. <u>Michael Sanders</u>	<u>Harvard Environmental Inc.</u> <u>302-326-2333</u> <u>msanders@harvardenv.com</u>
9. <u>Ken Balagur</u>	<u>Wilkinson Roofing</u> <u>302-998-0176</u> <u>ken@wilkinsonroofing.com</u>
10. <u>Dale Jackson</u>	<u>HK Griffith Inc.</u> <u>302-368-4635</u> <u>john@hkgriffith.com</u>
11. <u>Ben Carter</u>	<u>Farrell Roofing</u> <u>302-378-7663</u> <u>bcarter@farrellroofinginc.com</u>



HEADQUARTERS

2500 WRANGLE HILL ROAD
FOX RUN OFFICE PLAZA, SUITE 110
BEAR, DE 19701

302.832.1652 PHONE
302.832.1423 FAX

ARCHITECTS

ENGINEERS

FACILITIES SOLUTIONS

Project: Caesar Rodney School District
Charlton School Roof Replacement & Structural Modifications
Project No.: 15070
Date: April 26, 2016

**PRE-BID
SIGN IN SHEET**

REPRESENTATIVE

FIRM, PHONE NUMBER & EMAIL

- | | |
|--------------------------|---|
| 12. <u>Taylor Cribb</u> | <u>CTA Roofing</u>
<u>302-454-8551</u>
<u>mark@ctar Roofing.com</u> |
| 13. <u>Matt Papa</u> | <u>PSC Roofing</u>
<u>302-322-6767</u>
<u>No email</u> |
| 14. <u>Amakor Inc.</u> | <u>Amakor, Inc.</u>
<u>302-834-8664</u>
<u>amakor@aol.com</u> |
| 15. <u>Michael Smith</u> | <u>DA Nolt</u>
<u>856-753-9333</u>
<u>matt@danolt.com</u> |
| 16. <u>Jesse Dixon</u> | <u>Richard Y. Johnson</u>
<u>302-422-3732</u>
<u>jdixon@ryjison.com</u> |



HEADQUARTERS

2500 WRANGLE HILL ROAD
FOX RUN OFFICE PLAZA, SUITE 110
BEAR, DE 19701

302.832.1652 **PHONE**
302.832.1423 **FAX**

ARCHITECTS

ENGINEERS

FACILITIES SOLUTIONS

Project: Caesar Rodney School District
Charlton School Roof Replacement & Structural Modifications
Project No.: 15070
Date: April 26, 2016

**PRE-BID
SIGN IN SHEET**

REPRESENTATIVE

FIRM, PHONE NUMBER & EMAIL

17. Pete Kshich

Kent Construction Co.

302-653-6469

Estimator2@kentconstructionco.com

**Pre-Bid Meeting Minutes
April 26, 2016**

Project	John S. Charlton School	Date	4/26/2016
Client	Caesar Rodney School District	Time	2:00 pm
Location	John S. Charlton School		

1. Pre Bid meeting was conducted at 2:00 pm on April 26, 2016 at Charlton School.
2. See Pre Bid Sign In Sheet (attached to addendum).
3. Project to be completed by August 15, 2016.
4. No exceptions noted for the Sub Contractor List by attendees.
5. Contractor to obtain and pay for building permit.
6. School will be vacated during construction.
7. Contact Ken Starke, CRSD for additional site visits.

END

BID FORM

UNIT PRICES

Unit prices conform to applicable project specification section. Refer to the specifications for a complete description of the following Unit Prices:

	<u>ADD</u>	<u>DEDUCT</u>
<u>UNIT PRICE No. 1:</u> None	\$ _____	\$ _____

ALLOWANCES

The following allowance is set aside for unpredicted scope on the project, to be verified and billed as the project conditions dictate:

ALLOWANCE #1: None

BID FORM

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

This bid shall remain valid and cannot be withdrawn for thirty (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: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

- Sub-Contractor List
- Non-Collusion Statement
- Affidavit(s) of Employee Drug Testing Program
- Bid Security
- Copy of Business License
- (Others as Required by Project Manuals)

BID FORM

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 6962 (d)(10)b Delaware Code, the following sub-contractor listing must accompany the bid submittal. The name and address of the sub-contractor **must be listed for each category** where the bidder intends to use a sub-contractor to perform that category of work. In order to provide full disclosure and acceptance of the bid by the *Owner*, it is **required that bidders list themselves as being the sub-contractor for all categories where he/she is qualified and intends to perform such work**. This form must be filled out completely with no additions or deletions. **Note that all subcontractors listed below must have a signed Affidavit of Employee Drug Testing Program included with this bid.**

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax payer ID # or Delaware Business license #</u>
1. DEMOLITION	_____	_____	_____
2. MASONRY	_____	_____	_____
3. CARPENTRY	_____	_____	_____
4. ROOFING	_____	_____	_____
5. ELECTRICAL	_____	_____	_____

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 *(Project or Contract Number)* have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE (TYPED): _____

AUTHORIZED REPRESENTATIVE (SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

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.

**AFFIDAVIT
OF
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 or printed): _____

Authorized Representative (signature): _____

Title: _____

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.

SECTION 07 56 00

FLUID APPLIED ROOFING

1.0 Basis of Design Description

- 1.1 The Armour Ply Liquid Membrane Roof System is a fluid-applied, fully reinforced membrane system designed for application to EPDM Roofs. This Armour Ply system will provide a fully reinforced, seamless membrane system.
As manufactured by: United Asphalt Company
237 North Grove Street
Williamstown Junction, NJ 08009
800-843-0317
www.armourproofcoating.com

2.0 Examination of the Substrate

- 2.1 Examine the substrates, flashing conditions, penetrations, curbs, adjoining construction and the conditions under which the work is to be installed. Do not proceed with the work until unsatisfactory conditions have been corrected and substrate is acceptable.
- 2.2 Applicator shall be responsible for providing a proper substrate to receive the Armour Ply Liquid Membrane System.
- 2.3 Defects in the substrate shall be noted and work shall not proceed until such defects have been corrected.

3.0 Preparation of the Substrate

- 3.1 Do not proceed until any projections that will penetrate through the finished roof membrane system have been properly installed, such as pipes, conduit, vents and ducts.
- 3.2 Complete all corrective actions before proceeding with the roof membrane system.
- 3.3 Pressure-wash areas of the roof where there is a build-up of dirt with a minimum of 1,000 psi.
- 3.4 Apply the AP-1200 EPDM Rinseable Cleaner/Primer to the entire surface at a rate 300-400 square feet per gallon. Allow 10-15 minutes to activate before pressure washing with a minimum of 1,000 PSI. Pressure-wash the roof twice, once away from the drains, and then towards the drains. Additional rinsing of the membrane may be necessary. Allow the roof to dry a minimum of 24 hours.
- 3.5 If the roof is too hot, mist the roof with water prior to applying the AP-1200.
- 3.6 Only clean those areas that can be coated within 3-5 days. Surface must be free of dirt debris.

4.0 Lightning Protection

- 4.1 Remove cables from cable holder clips throughout the roof and parapet walls.
- 4.2 **Parapet Walls and Perimeter** – Apply coating system as described in 6.0 up the walls and onto the top with the polyester fabric, stopping 1-2" short of the cable holders. Do not put the fabric over these holders. Coat around the holders with 2 coats of the AP-5100 Moisture Cure Polyurethane Silver at 1.25 gallons per 100 square feet per coat, and 1 coat of AP-5100W Moisture Cure Polyurethane White at a rate of 1.5 gallons per 100 square feet.
- 4.3 **Field of Roof** – Apply the materials as described in 6.0 and cut around the cable holders on the roof, making sure there are no fishmouths or wrinkles.

5.0 Flashings

- 5.1 **Flashings and Perimeters without lightning protection:** Apply one coat of AP-5100 Moisture Cure Polyurethane Silver at a minimum rate of 1 gallon per 100 square feet. Embed the appropriate width of AP-8100 Polyester Fabric into the wet coating, removing all wrinkles, air pockets, fishmouths, etc. Apply additional AP-5100 Moisture Cure Polyurethane Silver at a rate of .75 gallons per square, completely covering the Polyester Fabric. Allow 12 hours to dry.

Product	Estimated Fabric and Coating Coverage Rates	
	Size	Gallons Per 100 Linear Feet
AP-8101	4"	1 gallon
AP-8102	6"	1.25 gallons
AP-8103	12"	2.5 gallons
AP-8104	20"	4.25 gallons

6.0 Field Application of the Coating System

- 6.1 Apply one coat of AP-5100 Moisture Cure Polyurethane Silver at a minimum rate of 1 gallon per 100 square feet. Embed the appropriate width of AP-8105 40" Polyester Fabric into the wet coating, removing all wrinkles, air pockets, fishmouths, etc. Apply additional AP-5100 Moisture Cure Polyurethane Silver at a rate of .75 gallons per square, completely covering the Polyester Fabric. Allow 24 hours to dry.
- 6.2 Do not apply Polyester Fabric over the walk pads. Stop 1" short around the perimeter of each walk pad. Do not apply fabric between the walk pads.
- 6.3 Apply one coat of AP-5100 Moisture Cure Polyurethane Silver to all areas at a minimum rate of 1.25 gallons per 100 square feet. Allow 12 hours to dry.
- 6.4 Apply one coat of AP-5100W Moisture Cure Polyurethane White to all areas at a minimum rate of 1.5 gallons per 100 square feet. Allow 12 hours to dry.
- 6.5 Note: Successive coats should be applied with 48 hours.

7.0 Walk Pads

- 7.1 Make sure all walk pads are secure to the roof. Cut any wrinkles and re-adhere to the roof.
- 7.2 Apply one coat of AP-2200 Moisture Cure Polyurethane Mastic around the perimeter of each walk pad at a rate of 150-200 linear feet per gallon. Allow 12 hours to dry.
- 7.3 Apply one coat of AP-5100 Moisture Cure Polyurethane Silver to all areas at a minimum rate of 1 gallon per 100 square feet. Allow 12 hours to dry.
- 7.4 Apply a second coat of AP-5100 Moisture Cure Polyurethane Silver to all areas at a minimum rate of 1 gallon per 100 square feet. Allow 12 hours to dry.

8.0 Inspection

- 8.1 Armour Proof Coatings shall inspect the roof during the preparation and application steps of the system.

9.0 Warranty

- 9.1 Upon completion and following inspection by an authorized representative of Armour Proof Coatings, a 15-year Armour Proof System Warranty shall be issued.

END OF SECTION