



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Request for Quote
 Construction

Proc Folder: 1031406		Reason for Modification: Addendum No. 2	
Doc Description: Addendum No.2 HVAC WV State Office Building Nos. 5, 6, &7			
Proc Type: Central Purchase Order			
Date Issued	Solicitation Closes	Solicitation No	Version
2022-05-25	2022-06-09 13:30	CRFQ 0211 GSD2200000046	3

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

06/09/22 13:12:57
 WV Purchasing Division

VENDOR

Vendor Customer Code:

Vendor Name : Nitro Construction Services, Inc.

Address : 4300 First Avenue

Street :

City : Nitro

State : WV **Country :** USA **Zip :** 25143

Principal Contact : Scott Bays

Vendor Contact Phone: 304-204-1500 **Extension:**

FOR INFORMATION CONTACT THE BUYER
 Melissa Pettrey
 (304) 558-0094
 melissa.k.pettrey@wv.gov

Vendor Signature X 

FEIN# 20-8844160 **DATE** 06/09/22

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

Addendum No. 2 is issued to publish and distribute the attached information to the vendor community.

Request for Quotation
Construction

The West Virginia Purchasing Division is soliciting bids on behalf of the WV Department of Administration, General Services Division ("Agency" and "Owner") to establish a contract for HVAC Upgrades for Buildings 5, 6, and 7, per the bid requirements, specifications, project plans and the terms and conditions as attached hereto.

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION		STATE OF WEST VIRGINIA	
GENERAL SERVICES DIVISION		JOBSITE - SEE SPECIFICATIONS	
103 MICHIGAN AVENUE			
CHARLESTON	WV	No City	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	HVAC Upgrades to WV State Office Building Nos. 5, 6, & 7				\$6,415,726.00

Comm Code	Manufacturer	Specification	Model #
72151206			

Extended Description:
Base Bid

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION		STATE OF WEST VIRGINIA	
GENERAL SERVICES DIVISION		JOBSITE - SEE SPECIFICATIONS	
103 MICHIGAN AVENUE			
CHARLESTON	WV	No City	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	HVAC Upgrades to WV State Office Building Nos. 5, 6, & 7				\$718,576.00

Comm Code	Manufacturer	Specification	Model #
72151206			

Extended Description:
Alternate #1

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION GENERAL SERVICES DIVISION 103 MICHIGAN AVENUE CHARLESTON WV US		STATE OF WEST VIRGINIA JOBSITE - SEE SPECIFICATIONS No City WV US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
3	HVAC Upgrades to WV State Office Building Nos. 5, 6, & 7	1.00000	EA		\$35.00 per square ft.

Comm Code	Manufacturer	Specification	Model #
30161601			

Extended Description:
Unit Price - Acoustical Ceiling Tile

SCHEDULE OF EVENTS		
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<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Mandatory Pre-bid at 10:00 AM	2022-05-05
2	Vendor Question Deadline @ 3 PM	2022-05-11

Exhibit A – Pricing Page
HVAC Upgrades to West Virginia State Office Building Nos. 5, 6, & 7

Name of Bidder:

Nitro Construction Services, Inc.

The Bidder, being familiar with and understanding the Bidding Documents and also having examined the site and being familiar with all local conditions affecting the project hereby proposes to furnish all labor, material, equipment, supplies and transportation and to perform all Work in accordance with the Bidding Documents within the time set forth for the sum of:

Base Bid – \$ 6,415,726.00 (A)

Alternate #1- Add OR Deduct Bid (to provide work identified as Alternate as indicated on Drawings and as specified. This includes, but is not limited to, hydronic piping, heating hot water coils, unit heaters, heating hot water boilers, boiler pumps and associated controls. See drawings for detailed base bid and alternate work:)

\$ 718,576.00 (B)

Unit Price – For Remedial Acoustical Ceiling Panels as specified in Section 095113 “Acoustical Panel Ceilings,” if the actual differs from the stated allowance.

\$ 35.00/ square foot (C)

Total Bid Amount – All Buildings (A+B+C) \$ 7,134,337.00 (D)

PHILADELPHIA INDEMNITY INSURANCE COMPANY
One Bala Plaza, Suite 100
Bala Cynwyd, PA 19004-0950

Power of Attorney

KNOW ALL PERSONS BY THESE PRESENTS: That **PHILADELPHIA INDEMNITY INSURANCE COMPANY** (the Company), a corporation organized and existing under the laws of the Commonwealth of Pennsylvania, does hereby constitute and appoint Douglas P. Taylor, Andrew K. Teeter, Kimberly L. Miles, Tammy S. Selbe and Jessica J. Bentley of USI Insurance Services, LLC its true and lawful Attorney-in-fact with full authority to execute on its behalf bonds, undertakings, recognizances and other contracts of indemnity and writings obligatory in the nature thereof, issued in the course of its business and to bind the Company thereby, in an amount not to exceed \$50,000,000.00.

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of PHILADELPHIA INDEMNITY INSURANCE COMPANY on the 14th of November, 2016.

RESOLVED: That the Board of Directors hereby authorizes the President or any Vice President of the Company: (1) Appoint Attorney(s) in Fact and authorize the Attorney(s) in Fact to execute on behalf of the Company bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof and to attach the seal of the Company thereto; and (2) to remove, at any time, any such Attorney-in-Fact and revoke the authority given. And, be it

FURTHER RESOLVED: That the signatures of such officers and the seal of the Company may be affixed to any such Power of Attorney or certificate relating thereto by facsimile, and any such Power of Attorney so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

IN TESTIMONY WHEREOF, PHILADELPHIA INDEMNITY INSURANCE COMPANY HAS CAUSED THIS INSTRUMENT TO BE SIGNED AND ITS CORPORATE SEAL TO BE AFFIXED BY ITS AUTHORIZED OFFICE THIS 27TH DAY OF OCTOBER, 2017.

(Seal)



Robert D. O'Leary Jr., President & CEO
Philadelphia Indemnity Insurance Company

On this 27th day of October, 2017, before me came the individual who executed the preceding instrument, to me personally known, and being by me duly sworn said that he is the therein described and authorized officer of the **PHILADELPHIA INDEMNITY INSURANCE COMPANY**; that the seal affixed to said instrument is the Corporate seal of said Company; that the said Corporate Seal and his signature were duly affixed.



(Notary Seal)

Notary Public:

residing at:

Bala Cynwyd, PA

My commission expires:

September 25, 2021

I, Edward Sayago, Corporate Secretary of PHILADELPHIA INDEMNITY INSURANCE COMPANY, do hereby certify that the foregoing resolution of the Board of Directors and the Power of Attorney issued pursuant thereto on the 27th day of October, 2017 are true and correct and are still in full force and effect. I do further certify that Robert D. O'Leary Jr., who executed the Power of Attorney as President, was on the date of execution of the attached Power of Attorney the duly elected President of PHILADELPHIA INDEMNITY INSURANCE COMPANY.

In Testimony Whereof I have subscribed my name and affixed the facsimile seal of each Company this 9th day of June, 20 22.



Edward Sayago, Corporate Secretary
PHILADELPHIA INDEMNITY INSURANCE COMPANY

SOLICITATION NUMBER: CRFQ GSD2200000046

Addendum Number: 1

The purpose of this addendum is to modify the solicitation identified as (“Solicitation”) to reflect the change(s) identified and described below.

Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

Description of Modification to Solicitation:

Addendum is issued to publish the following to the vendor community.

1. To move the Bid Opening to Thursday, June 9, 2022.
2. To publish responses to Vendor Technical Questions, per Attachment A. To extend the Q&A period through 05/24/2022 @ 3:00 PM
3. To remove, from the project manual, the AIA Document G701-2017; AIA Document G702-1992; AIA Document G703-1992; AIA Document G704-2017; AIA Document G706-1994; AIA Document G706A-1994; AIA Document G707-1994; AIA Document G707A-1994; AIA Document G709-2001; AIA Document G710-2017; AIA Document G714-2017; AIA Document G715-2017; AIA Document G716-2004. These documents will not be a part of the awarded contract.
No other changes.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ATTACHMENT A

HVAC Upgrades to West Virginia State Office Building Nos. 5, 6, & 7
CRFQ GSD220000046
Vendor Questions & Answers

Q 1. Due to the size and difficulty of this project, we would like to ask for the bid date to be extended at least 10 days so all bidders have time to obtain accurate pricing.

A 1. The bid opening date for this solicitation will be moved to Wednesday, June 9, 2022.

Q 2. We would like to request to move the bid day to the end of the month for this project if possible.

A 2. See response to question 1.

The Technical question period is being extended until 05/24/2022@ 3:00 PM
New Bid opening Date is 06/09/2022 @ 1:30 PM

Pre-Bid Sign-In Sheet

Solicitation Number: CRFQ GSD2200000046

Date of Pre-Bid Meeting: 5/5/2022

Location of Prebid Meeting: Bldg. 4 1st Flr. Conf. Rm.

Please Note:

Vendors must sign-in on this sheet to verify attendance at the Pre-Bid meeting. Failure to legibly sign in may be grounds for declaring a vendor ineligible to bid. For further verification, please also provide a business card if possible.

<u>Firm Represented:*</u>	<u>Rep Name (Printed):</u>	<u>Firm Address:</u>	<u>Telephone #:</u>	<u>Fax #:</u>	<u>Email:</u>
Darnold Mechanical	Dave Darnold	75 Highland Lane Kennewick WA 98548	988-1618		sdarnold@ darnoldmech.com
Hatzel Buehler	Wes- Yingst		304-546-4836		J.Yingst@Hatzel and Buehler.com
Ganday Enterprises	Patrick Manley	138 Oakwood RD Charleston, W.V. 25314	304-437-1474		Ganday138@gmail.com
Dougherty co	Eric Smith	600 50th Street	304-925-6664		Eric Smith@Dougherty CO, com
DSO MECHANICAL	CHRIS KELLOGG	515 3 RD AVENUE SOUTH CHARLESTON	(216) 410-0225		Jkellogg@DSOMECH.COM
Dixon Electrical	Chad Sizemore		304-523-2712		chad@dixonelectrical.com

***One Vendor Per Representative - No one individual is permitted to represent more than one vendor at the pre-bid meeting. Any individual that does attempt to represent two or more vendors will be required to select one vendor to which the individual's attendance will be attributed. The vendors not selected will be deemed to have not attended the pre-bid meeting unless another individual attended on their behalf.**

Pre-Bid Sign-In Sheet

Solicitation Number: CRFQ GSD2200000046

Date of Pre-Bid Meeting: 5/5/2022

Location of Prebid Meeting: Bldg. 4 1st Flr. Conf. Rm.

Please Note:

Vendors must sign-in on this sheet to verify attendance at the Pre-Bid meeting.

Failure to legibly sign in may be grounds for declaring a vendor ineligible to bid.

For further verification, please also provide a business card if possible.

Firm Represented:*	Rep Name (Printed):	Firm Address:	Telephone #:	Fax #:	Email:
ZMM	James Lowry	222 - Lee St. W. Charleston, WV 25302	304-342-0519		lowryj@zmm.com
TRANE	John Williams	515 C Street S Charleston WV	423-794-6334		Jwilliams4@Trane.com
NITAS CONSULTATION	Scott Bays	4305 ILLINOIS NICHOLS, WV 25143	304-550-1052		SBAYS@NITAS.COM
TRISTATE	BRANDON MERRIN	PO1271 CHAS WV 25324	304 755 8135	755 5275	bmerrin-n@tristateservice.com
GSD AAE	PATRICK O'NEILL		304-543 2881		PATRICK.S.O'NEILL @WV.GOV

***One Vendor Per Representative** - No one individual is permitted to represent more than one vendor at the pre-bid meeting. Any individual that does attempt to represent two or more vendors will be required to select one vendor to which the individual's attendance will be attributed. The vendors not selected will be deemed to have not attended the pre-bid meeting unless another individual attended on their behalf.

ADDENDUM ACKNOWLEDGEMENT FORM

SOLICITATION NO.: CRFQ GSD2200000046

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification. Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Nitro Construction Services, Inc.

Company _____

Authorized Signature  _____

Date 6/9/22 _____

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

(Name, Title) Scott Bays, Project Manager

(Printed Name and Title) Scott Bays, Project Manager

(Address) 4300 First Avenue Nitro, WV 25143

(Phone Number) / (Fax Number) 304-204-1500 / 304-204-1350

(email address) sbays@nitrocs.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

Nitro Construction Services, Inc.

(Company) 

(Authorized Signature) (Representative Name, Title) PROJECT MANAGER

DAVID SCOTT BAYS PROJECT MANAGER 6/9/22

(Printed Name and Title of Authorized Representative) (Date)

304-204-1500 / 304-204-1350

(Phone Number) (Fax Number)

sbays@nitrocs.com

(Email Address)

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Nitro Construction Services, Inc.

Authorized Signature: [Signature] Date: 6/9/22

State of WV

County of Putnam, to-wit:

Taken, subscribed, and sworn to before me this 9 day of June, 2022

My Commission expires August 5, 2023.

AFFIX SEAL HERE



NOTARY PUBLIC [Signature]

ADDENDUM ACKNOWLEDGEMENT FORM

SOLICITATION NO.: CRFQ GSD2200000046

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification. Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
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| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

NITRO CONSTRUCTION SERVICES
Company

Authorized Signature

6/9/22
Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.



**State of West Virginia
DRUG FREE WORKPLACE CONFORMANCE AFFIDAVIT
West Virginia Code §21-1D-5**

I, Lindy Sullivan, after being first duly sworn, depose and state as follows:

1. I am an employee of Nitro Construction Services, Inc.; and,
(Company Name)
2. I do hereby attest that Nitro Construction Services, Inc.
(Company Name)

maintains a written plan for a drug-free workplace policy and that such plan and policy are in compliance with **West Virginia Code §21-1D**.

The above statements are sworn to under the penalty of perjury.

Printed Name: Lindy Sullivan
 Signature: [Handwritten Signature]
 Title: Safety Training Coordinator
 Company Name: Nitro Construction Services, Inc.
 Date: 06/09/22

STATE OF WEST VIRGINIA,

COUNTY OF Putnam, TO-WIT:

Taken, subscribed and sworn to before me this 9 day of June, 2022.

By Commission expires August 5, 2023

(Seal)



[Handwritten Signature]
(Notary Public)

SOLICITATION NUMBER: CRFQ GSD2200000046
Addendum Number: 2

The purpose of this addendum is to modify the solicitation identified as (“Solicitation”) to reflect the change(s) identified and described below.

Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

Description of Modification to Solicitation:

Addendum is issued to publish the following documentation to the vendor community.

1. To provide responses to vendor technical questions, per Attachment A.
2. To provide clarifications to specifications, per Attachment A.
3. To make corrections to specifications, per Attachment A.

No other changes.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ATTACHMENT A

May 25, 2022

ADDENDUM NO. 2



RE: HVAC Upgrades
West Virginia State Office Building Nos. 5,6, & 7
WV Department of Administrative Services
West Virginia Capitol Complex
Charleston, West Virginia
Architect's Project No. 20024
CRFQ 0211 GSD2200000046

TO: Prospective Bidders

FROM: ZMM, Inc. Architects and Engineers

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents.

ATTACH THIS ADDENDUM TO THE FRONT COVER OF THE PROJECT MANUAL AND ACKNOWLEDGE RECEIPT OF THIS ADDENDUM IN THE SPACE PROVIDED ON THE BID FORM.

PART 1 - BIDDERS' QUESTIONS AND RESPONSES

Question No. 1: We are pricing this boiler package for mechanical contractors- can either of you tell me the AS-1 sizing? Refer to previous addenda.

Response No. 1 AS-1 shall be equal to the piping size: 10"

Question No. 2: Can you please clarify if you would like B1200 @ 317gal or B500 @ 132gal acceptable volume?

Response No. 2 Provide B1200 as indicated on the schedule.

PART 2 - CLARIFICATIONS

- A. MZ-AHU-1, MZ-AHU-4, MZ AHU-6, MZ-AHU-7 & MZ-AHU-10: Design intent is to demolish the front end of the unit and replace with new. This includes new coils, UV lights, hot deck, cold deck, and zone dampers. Base bid includes reuse of existing steam heating coils. Alternate includes new hot water heating coils. These unit shall be shipped with knock down construction and shall be broken down as required for installation. See drawings and specifications for additional information.

PART 3 - CHANGES TO SPECIFICATIONS

- A. Section 011000 "Summary" – REPLACE Paragraph 1.6.B.1 with the following:

1. Shutdown Hours: There shall be no shutdowns of mechanical or electrical systems during the heating season with the following exceptions:

Blacksburg
200 Country Club Drive SW
Plaza One, Building E
Blacksburg, Virginia 24060
540•552•2151

Charleston
222 Lee Street West
Charleston, West Virginia 25302
304•342•0159
www.zmm.com

Martinsburg
5550 Winchester Avenue
Berkeley Business Park, Suite 5
Martinsburg, West Virginia 25405
304•342•0159

- a. Shutdown of MZ-AHU shall be limited to (1) one unit in building 5, (1) one unit in building 6, and (1) one unit in building 7, at any given time. All components of MZ-AHU shall be on site prior to shutdown of the unit. Existing steam coil shall be reloaded into the unit until alternate work can be executed.
- 2. Shutdown of MZ-AHU shall be limited to (1) one unit in building 5, (1) one unit in building 6, and (1) one unit in building 7, at any given time. All components of MZ-AHU shall be on site prior to shutdown of the unit. Existing steam coil shall be reloaded into the unit until alternate work can be executed.
- 3. Shutdown of MAU's and VAV-AHU's: All work requiring a shutdown of MAU's and VAV-AHU's shall be conducted between the hours of 5:00 PM on Friday to Monday at 7:00 am. All systems shall resume full operations by 7:00 am Monday. "
- B. ADD Section 230546 "Coatings for HVAC" as attached to this Addendum.
- C. DELETE Section 237343 "Antimicrobial Ultraviolet (UV) Lamp Systems.

END OF ADDENDUM

Attachments: Section 230546 "Coatings for HVAC"4 pages

Blacksburg
 200 Country Club Drive SW
 Plaza One, Building E
 Blacksburg, Virginia 24060
 540-552-2151

Charleston
 222 Lee Street West
 Charleston, West Virginia 25302
 304-342-0159
www.zmm.com

Martinsburg
 5550 Winchester Avenue
 Berkeley Business Park, Suite 5
 Martinsburg, West Virginia 25405
 304-342-0159

SECTION 230546 - COATINGS FOR HVAC

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. General provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes application of coating systems on internal HVAC components and external equipment surfaces, including the following systems:
 - 1. Air-dried corrosion-resistant coating systems.

1.3 DEFINITIONS

- A. Salt Water Acetic Acid Test (SWAAT): A salt fog-spray test of corrosion resistance performed in accordance with ASTM G85, Annex 3.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product. Include Safety Data Sheets, preparation requirements, and application instructions.

1.5 INFORMATIONAL SUBMITTALS

- A. Source Quality-Control Reports:
 - 1. Certification of coating material testing.

1.6 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Coatings: 1 container of each material and color applied, including base coat and top coat products.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Store materials not in use in tightly covered containers in clean, dry, well-ventilated areas with ambient temperatures continuously maintained between 50 and 75 deg F (10 and 24 deg C).
 - 1. Keep containers out of direct sunlight; avoid excessive heat and keep from freezing.
 - 2. Maintain containers in clean condition, free of foreign materials and residue.
 - 3. Remove rags and waste from storage areas daily.

1.8 CONDITIONS FOR COATING APPLICATION

- A. Comply with manufacturer's recommendations regarding required temperature and humidity ranges during coating application.

PART 2 - PRODUCTS

2.1 CORROSION-RESISTANT COATING SYSTEMS, GENERAL

- A. Material Compatibility:
 - 1. Provide materials for application within each coating system that are compatible with one another and with metal substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
 - 2. For each coating material in coating system, submit compatibility certification from manufacturer of each coating product that products are compatible with substrate base material and with substrate-coating products applied as earlier coats.
 - 3. Products shall be of same manufacturer for each coat in a coating system.
- B. Colors: Manufacturer's standard.

2.2 AIR-DRIED CORROSION-RESISTANT COATING SYSTEMS

- A. Performance Requirements:
 - 1. Corrosion Resistance: ASTM B117: 3500 hours.
 - 2. Cross-Hatch Adhesion: ASTM D3359: 5B.
 - 3. Mandrel Flexibility: ASTM D522/D522M: 1/2 inch (13 mm) without cracking or delamination of film after full cure.
 - 4. Impact: ASTM D2794.
 - a. Direct Hit: 100 in-lb (11.3 N-m).
 - 5. Dry Heat Resistance: ASTM D2485: 356 deg F (180 deg C) maximum.
 - 6. Dry Film Thickness: 2 to 3 mils (0.050 to 0.075 mm).
 - 7. Heat-Transfer Reduction: 1 percent maximum.
 - 8. Hardness: ASTM D3363 Pencil Test: 2B-HB.

B. Air-Dried, Spray-Applied Principle Coating System.

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:
 - a. Blygold America.
 - b. Heresite Protective Coatings.
 - c. Belzona

C. Air-Dried Phenolic System.

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:
 - a. Heresite Protective Coatings.
 - b. Belzona

D. Air-Dried, Spray-Applied Coating System.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. Modine Manufacturing Company.
 - b. Belzona

E. Base Coat Performance Requirements:

1. Corrosion Resistance: ASTM B117: 10,000 hours.
2. SWAAT: ASTM G85: 1000 hours.
3. Cross-Hatch Adhesion: ASTM D3359: 5B.
4. Mandrel Flexibility: ASTM D522/D522M: 1/8 inch (3 mm) without cracking or delamination of film after full cure.
5. Impact: ASTM D2794.
 - a. Direct Hit: 100 lb.-in. (11.3 N-m).
6. Dry Heat Resistance: ASTM D2485: 250 deg F (121 deg C) maximum.
7. Dry Film Thickness: 0.6 to 1.5 mils (0.015 to 0.038 mm).
8. Heat-Transfer Reduction: 1 percent maximum.
9. Hardness: ASTM D3363 Pencil Test: 2B-HB.

F. Air-Dried Top Coat Performance Requirements: Provide product with UV shielding properties, color stability, and maintenance of manufacturer's standard sheen, after exposure to outdoor conditions.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with Applicator present, for compliance with coating manufacturer's requirements and other conditions affecting performance of the Work.
- B. Verify suitability of substrates, including surface conditions and compatibility, with existing finishes and primers.
- C. Proceed with coating application only after unsatisfactory conditions have been corrected.
 - 1. Application of coating indicates acceptance of surfaces and conditions.

3.2 PREPARATION

- A. Comply with manufacturer's written instructions applicable to substrates and coating systems indicated.
 - 1. Thinning: Thin coating material with manufacturer's recommended thinning products when recommended or permitted by coating system manufacturer.
- B. Comply with coating system manufacturer's recommendations to clean substrates of substances that could impair bond of coatings, including dust, dirt, oil, grease, and incompatible paints and encapsulants.

3.3 APPLICATION

- A. Verify with coating manufacturer whether coatings required must be applied and cured in factory-certified application shop.
- B. Apply coating systems with equipment designed to deposit coating of specified uniform thickness over HVAC components, in complex, three-dimensional geometries.
 - 1. Apply coatings with manufacturer-recommended tools and techniques suited for specified coating system and each coated HVAC component.
 - 2. Do not apply coatings over labels or equipment name, identification, performance rating, or nomenclature plates.
- C. Perform inspection and coating system manufacturer's recommended tests to verify coating integrity and thickness. Where coating was damaged by testing, repair damage in accordance with coating system manufacturer's written recommendations.

END OF SECTION 230546

CONTRACTOR LICENSE

Authorized by the

West Virginia Contractor Licensing Board

Number: WV042601

Classification:

ELECTRICAL
GENERAL BUILDING
HEATING, VENTILATING & COOLING
PIPING
LOW VOLTAGE SYSTEMS
SPRINKLER AND FIRE PROTECTION

NITRO CONSTRUCTION SERVICES INC
DBA NITRO MECHANICAL SERVICES
4300 1ST AVE #2
NITRO, WV 25143-1001

Date Issued

Expiration Date

JUNE 13, 2021

JUNE 13, 2022


Authorized Company Signature


Chair, West Virginia Contractor
Licensing Board



WEST VIRGINIA
CONTRACTOR
LICENSING
BOARD

This license, or a copy thereof, must be posted in a conspicuous place at every construction site where work is being performed. This license number must appear in all advertisements, on all bid submissions and on all fully executed and binding contracts. This license cannot be assigned or transferred by licensee. Issued under provisions of West Virginia Code, Chapter 21, Article 11.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
12/28/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Willis Towers Watson Northeast, Inc. c/o 26 Century Blvd P.O. Box 305191 Nashville, TN 372305191 USA	CONTACT Willis Towers Watson Certificate Center NAME: PHONE (A/C, No, Ext): 1-877-945-7378 FAX (A/C, No): 1-888-467-2378 E-MAIL ADDRESS: certificates@willis.com	
	INSURER(S) AFFORDING COVERAGE NAIC # INSURER A: Arch Insurance Company 11150 INSURER B: XL Specialty Insurance Company 37885 INSURER C: INSURER D: INSURER E: INSURER F:	
INSURED Nitro Construction Services, Inc 4300 1st Avenue Nitro, WV 25143		

COVERAGES **CERTIFICATE NUMBER:** W23434071 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:		ZAGLB9222205	01/01/2022	01/01/2023	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 2,000,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 4,000,000	
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY		ZACAT9243305	01/01/2022	01/01/2023	COMBINED SINGLE LIMIT (Ea accident) \$ 5,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$	
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000		US00077260L122A	01/01/2022	01/01/2023	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000	
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N No	N/A	ZAWCI9402605	01/01/2022	01/01/2023	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER CANCELLATION

Evidence of Insurance	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE 