



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

State of West Virginia Master Agreement

Order Date: 06-25-2025

CORRECT ORDER NUMBER MUST
APPEAR ON ALL PACKAGES, INVOICES,
AND SHIPPING PAPERS. QUESTIONS
CONCERNING THIS ORDER SHOULD BE
DIRECTED TO THE DEPARTMENT
CONTACT.

Order Number:	CMA 0212 0212 ABATMNT25 1	Procurement Folder:	1714233
Document Name:	CMA 0212 ABATMNT25	Reason for Modification:	
Document Description:	STATEWIDE CONTRACT: Asbestos Abatement Services	AWARD of CRFQ 0212 SWC2500000008	
Procurement Type:	Statewide MA (Open End)		
Buyer Name:			
Telephone:			
Email:			
Shipping Method:	Best Way	Effective Start Date:	2025-07-01
Free on Board:	FOB Dest, Freight Prepaid	Effective End Date:	2027-06-30

VENDOR	DEPARTMENT CONTACT																				
Vendor Customer Code: 000000208254 ASTAR ABATEMENT INC 539 KANAWHA 2 MILE RD CHARLESTON WV 25312-7323 US Vendor Contact Phone: 304-343-5950 Extension: Discount Details: <table><thead><tr><th></th><th>Discount Allowed</th><th>Discount Percentage</th><th>Discount Days</th></tr></thead><tbody><tr><td>#1</td><td>No</td><td>0.0000</td><td>0</td></tr><tr><td>#2</td><td>No</td><td></td><td></td></tr><tr><td>#3</td><td>No</td><td></td><td></td></tr><tr><td>#4</td><td>No</td><td></td><td></td></tr></tbody></table>		Discount Allowed	Discount Percentage	Discount Days	#1	No	0.0000	0	#2	No			#3	No			#4	No			Requestor Name: Mark A Atkins Requestor Phone: (304) 558-2307 Requestor Email: mark.a.atkins@wv.gov 2026 FILE LOCATION _____
	Discount Allowed	Discount Percentage	Discount Days																		
#1	No	0.0000	0																		
#2	No																				
#3	No																				
#4	No																				

INVOICE TO	SHIP TO
VARIOUS AGENCY LOCATIONS AS INDICATED BY ORDER No City WV 99999 US	STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER No City WV 99999 US

CR 7-10-25
Purchasing Division's File Copy

Total Order Amount: Open End

PURCHASING DIVISION AUTHORIZATION
DATE: 7/10/25
ELECTRONIC SIGNATURE ON FILE

ATTORNEY GENERAL APPROVAL AS TO FORM
DATE: 7/11/2025
ELECTRONIC SIGNATURE ON FILE

ENCUMBRANCE CERTIFICATION
DATE: 7-11-25
ELECTRONIC SIGNATURE ON FILE

Extended Description:

STATEWIDE CONTRACT - ASBESTOS ABATEMENT SERVICES

The vendor, Astar Abatement Inc., agrees to enter into a Statewide Contract providing Asbestos Abatement Services on an as-needed basis, per the specifications, bid requirements, and terms and conditions of the Request for Quotation (CRFQ 0212 SWC2500000008), and the vendor's bid received 06/18/2025, all incorporated herein by reference and made a part of hereof.

ORDERING INSTRUCTIONS:

The Blanket Performance and Labor/Material Bonds provided by the vendor will be applied to each Agency Delivery Order (ADO) issued under the Master Agreement ABATMENT25 until each order is filled in its entirety.

Agency should issue a wvOASIS ADO (Agency Delivery Order/r) for all Asbestos Abatement Services from the Central Master Agreement ABATMNT25.

Agency's wvOASIS ADO release should include a Date and Time which the Vendor must commence Abatement Services. Vendor shall not perform work under this Contract until an delivery/release order has been issued.

*Contracts utilizing Federal Funds and/or requiring Davis-Bacon wage rates must be submitted for bid to the West Virginia Purchasing Division using normal procurement procedures.

Political Subdivisions shall contact the vendor directly for orders.

Line	Commodity Code	Manufacturer	Model No	Unit	Unit Price
1	76101602				0.000000
Service From		Service To		Service Contract Amount	
				0.00	

Commodity Line Description: Abatement Services - Insulation Services

Extended Description:

Note: See Exhibit_A Pricing Pages for Contract pricing.

GENERAL TERMS AND CONDITIONS:

1. CONTRACTUAL AGREEMENT: Issuance of an Award Document signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance by the State of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid, or on the Contract if the Contract is not the result of a bid solicitation, signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.

2. DEFINITIONS: As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.

2.1. "Agency" or "Agencies" means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.

2.2. "Bid" or "Proposal" means the vendors submitted response to this solicitation.

2.3. "Contract" means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.

2.4. "Director" means the Director of the West Virginia Department of Administration, Purchasing Division.

2.5. "Purchasing Division" means the West Virginia Department of Administration, Purchasing Division.

2.6. "Award Document" means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the contract holder.

2.7. "Solicitation" means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.

2.8. "State" means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.

2.9. "Vendor" or "Vendors" means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

3. CONTRACT TERM; RENEWAL; EXTENSION: The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

☐ **Term Contract**

Initial Contract Term: The Initial Contract Term will be for a period of Two (2) Years. The Initial Contract Term becomes effective on the effective start date listed on the first page of this Contract, identified as the State of West Virginia contract cover page containing the signatures of the Purchasing Division, Attorney General, and Encumbrance clerk (or another page identified as _____), and the Initial Contract Term ends on the effective end date also shown on the first page of this Contract.

Renewal Term: This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal should be delivered to the Agency and then submitted to the Purchasing Division thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Unless otherwise specified below, renewal of this Contract is limited to Two (2) successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed the total number of months available in all renewal years combined. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

☐ **Alternate Renewal Term** – This contract may be renewed for _____ successive _____ year periods or shorter periods provided that they do not exceed the total number of months contained in all available renewals. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

Delivery Order Limitations: In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract has expired.

☐ **Fixed Period Contract:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within _____ days.

☐ **Fixed Period Contract with Renewals:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within _____ days. Upon completion of the work covered by the preceding sentence, the vendor agrees that:

☐ the contract will continue for _____ years;

☐ the contract may be renewed for _____ successive _____ year periods or shorter periods provided that they do not exceed the total number of months contained in all available renewals. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's Office (Attorney General approval is as to form only).

☐ **One-Time Purchase:** The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year.

☐ **Construction/Project Oversight:** This Contract becomes effective on the effective start date listed on the first page of this Contract, identified as the State of West Virginia contract cover page containing the signatures of the Purchasing Division, Attorney General, and Encumbrance clerk (or another page identified as _____), and continues until the project for which the vendor is providing oversight is complete.

☐ **Other:** Contract Term specified in _____

4. AUTHORITY TO PROCEED: Vendor is authorized to begin performance of this contract on the date of encumbrance listed on the front page of the Award Document unless either the box for "Fixed Period Contract" or "Fixed Period Contract with Renewals" has been checked in Section 3 above. If either "Fixed Period Contract" or "Fixed Period Contract with Renewals" has been checked, Vendor must not begin work until it receives a separate notice to proceed from the State. The notice to proceed will then be incorporated into the Contract via change order to memorialize the official date that work commenced.

5. QUANTITIES: The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.

☒ **Open End Contract:** Quantities listed in this Solicitation/Award Document are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.

☐ **Service:** The scope of the service to be provided will be more clearly defined in the specifications included herewith.

☒ **Combined Service and Goods:** The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.

☐ **One-Time Purchase:** This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General's office.

☐ **Construction:** This Contract is for construction activity more fully defined in the specifications.

6. EMERGENCY PURCHASES: The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute a breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One-Time Purchase contract.

7. REQUIRED DOCUMENTS: All of the items checked in this section must be provided to the Purchasing Division by the Vendor as specified:

☒ **LICENSE(S) / CERTIFICATIONS / PERMITS:** In addition to anything required under the Section of the General Terms and Conditions entitled Licensing, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits upon request and in a form acceptable to the State. The request may be prior to or after contract award at the State's sole discretion.

☒ Valid WV Contractor License WV Asbestos Contractors License as issued by the WV Bureau of Public Health

☒ WV Asbestos Contractors License as issued by the WV Bureau of Public Health

☒ **PERFORMANCE BOND:** The successful Vendor shall provide a Blanket Performance Bond in the amount of \$750,000.00 prior to Contract Award. This blanket bond will be used for all delivery orders issued against the master agreement and will be valid for the life of the Contract. +

☒ **LABOR/MATERIAL PAYMENT BOND:** The successful Vendor shall provide a Blanket Labor/Material Payment Bond in the amount of \$750,000.00 prior to Contract award. This blanket bond will be used for all delivery orders issued against the master agreement. and will be valid for the life of the Contract. +

The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications regardless of whether or not that requirement is listed above.

8. INSURANCE: The apparent successful Vendor shall furnish proof of the insurance identified by a checkmark below prior to Contract award. The insurance coverages identified below must be maintained throughout the life of this contract. Thirty (30) days prior to the expiration of the insurance policies, Vendor shall provide the Agency with proof that the insurance mandated herein has been continued. Vendor must also provide Agency with immediate notice of any changes in its insurance policies, including but not limited to, policy cancelation, policy reduction, or change in insurers. The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether that insurance requirement is listed in this section.

Vendor must maintain:

☒ **Commercial General Liability Insurance** in at least an amount of: \$1,000,000.00 per occurrence.

☒ **Automobile Liability Insurance** in at least an amount of: \$250,000.00 per occurrence.

☐ **Professional/Malpractice/Errors and Omission Insurance** in at least an amount of: _____ per occurrence. Notwithstanding the forgoing, Vendor's are not required to list the State as an additional insured for this type of policy.

☒ **Commercial Crime and Third Party Fidelity Insurance** in an amount of: \$100,000.00 per occurrence.

☐ **Cyber Liability Insurance** in an amount of: _____ per occurrence.

☐ **Builders Risk Insurance** in an amount equal to 100% of the amount of the Contract.

☐ **Pollution Insurance** in an amount of: _____ per occurrence.

☐ **Aircraft Liability** in an amount of: _____ per occurrence.

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9. WORKERS' COMPENSATION INSURANCE: Vendor shall comply with laws relating to workers compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.

10. VENUE: All legal actions for damages brought by Vendor against the State shall be brought in the West Virginia Claims Commission. Other causes of action must be brought in the West Virginia court authorized by statute to exercise jurisdiction over it.

11. LIQUIDATED DAMAGES: This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy. Vendor shall pay liquidated damages in the amount specified below or as described in the specifications:

☐ _____ for _____.

☒ Liquidated Damages Contained in the Specifications.

☐ Liquidated Damages Are Not Included in this Contract.

12. ACCEPTANCE: Vendor's signature on its bid, or on the certification and signature page, constitutes an offer to the State that cannot be unilaterally withdrawn, signifies that the product or service proposed by vendor meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise indicated, and signifies acceptance of the terms and conditions contained in the Solicitation unless otherwise indicated.

13. PRICING: The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification. Notwithstanding the foregoing, Vendor must extend any publicly advertised sale price to the State and invoice at the lower of the contract price or the publicly advertised sale price.

14. PAYMENT IN ARREARS: Payments for goods/services will be made in arrears only upon receipt of a proper invoice, detailing the goods/services provided or receipt of the goods/services, whichever is later. Notwithstanding the foregoing, payments for software maintenance, licenses, or subscriptions may be paid annually in advance.

15. PAYMENT METHODS: Vendor must accept payment by electronic funds transfer and P-Card. (The State of West Virginia's Purchasing Card program, administered under contract by a banking institution, processes payment for goods and services through state designated credit cards.)

16. TAXES: The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

17. ADDITIONAL FEES: Vendor is not permitted to charge additional fees or assess additional charges that were not either expressly provided for in the solicitation published by the State of West Virginia, included in the Contract, or included in the unit price or lump sum bid amount that Vendor is required by the solicitation to provide. Including such fees or charges as notes to the solicitation may result in rejection of vendor's bid. Requesting such fees or charges be paid after the contract has been awarded may result in cancellation of the contract.

18. FUNDING: This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available. If that occurs, the State may notify the Vendor that an alternative source of funding has been obtained and thereby avoid the automatic termination. Non-appropriation or non-funding shall not be considered an event of default.

19. CANCELLATION: The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-5.2.b.

20. TIME: Time is of the essence regarding all matters of time and performance in this Contract.

21. APPLICABLE LAW: This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code, or West Virginia Code of State Rules is void and of no effect.

22. COMPLIANCE WITH LAWS: Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable laws, regulations, and ordinances.

SUBCONTRACTOR COMPLIANCE: Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to comply with all applicable laws, regulations, and ordinances. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

23. ARBITRATION: Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.

24. MODIFICATIONS: This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any change to existing contracts that adds work or changes contract cost, and were not included in the original contract, must be approved by the Purchasing Division and the Attorney General's Office (as to form) prior to the implementation of the change or commencement of work affected by the change.

25. WAIVER: The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.

26. SUBSEQUENT FORMS: The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.

27. ASSIGNMENT: Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments.

28. WARRANTY: The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.

29. STATE EMPLOYEES: State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.

30. PRIVACY, SECURITY, AND CONFIDENTIALITY: The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in www.state.wv.us/admin/purchase/privacy.

31. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

32. LICENSING: In accordance with West Virginia Code of State Rules § 148-1-6.1.e, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.

SUBCONTRACTOR COMPLIANCE: Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to be licensed, in good standing, and up-to-date on all state and local obligations as described in this section. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

33. ANTITRUST: In submitting a bid to, signing a contract with, or accepting a Award Document from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.

34. VENDOR NON-CONFLICT: Neither Vendor nor its representatives are permitted to have any interest, nor shall they acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency.

35. VENDOR RELATIONSHIP: The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing.

Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

36. INDEMNIFICATION: The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.

37. NO DEBT CERTIFICATION: In accordance with West Virginia Code §§ 5A-3-10a and 5-22-1(i), the State is prohibited from awarding a contract to any bidder that owes a debt to the State or a political subdivision of the State. By submitting a bid, or entering into a contract with the State, Vendor is affirming 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, neither the Vendor nor any related party owe a debt as defined above, and neither the Vendor nor any related party are in employer default as defined in the statute cited above unless the debt or employer default is permitted under the statute.

38. CONFLICT OF INTEREST: Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.

39. REPORTS: Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:

☒ Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.

☒ Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at purchasing.division@wv.gov.

40. BACKGROUND CHECK: In accordance with W. Va. Code § 15-2D-3, the State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check. Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

41. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS: Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

- a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.
- b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open hearth, basic oxygen, electric furnace, Bessemer or other steel making process.
- c. The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:
 1. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars (\$2,500.00), whichever is greater. For the purposes of this section, the cost is the value of the steel product as delivered to the project; or
 2. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

42. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL: In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars (\$50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a “substantial labor surplus area”, as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products. This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

43. INTERESTED PARTY SUPPLEMENTAL DISCLOSURE: W. Va. Code § 6D-1-2 requires that for contracts with an actual or estimated value of at least \$1 million, the Vendor must submit to the Agency a disclosure of interested parties prior to beginning work under this Contract. Additionally, the Vendor must submit a supplemental disclosure of interested parties reflecting any new or differing interested parties to the contract, which were not included in the original pre-work interested party disclosure, within 30 days following the completion or termination of the contract. A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. This requirement does not apply to publicly traded companies listed on a national or international stock exchange. A more detailed definition of interested parties can be obtained from the form referenced above.

44. PROHIBITION AGAINST USED OR REFURBISHED: Unless expressly permitted in the solicitation published by the State, Vendor must provide new, unused commodities, and is prohibited from supplying used or refurbished commodities, in fulfilling its responsibilities under this Contract.

45. VOID CONTRACT CLAUSES: This Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.

46. ISRAEL BOYCOTT: Bidder understands and agrees that, pursuant to W. Va. Code § 5A-3-63, it is prohibited from engaging in a boycott of Israel during the term of this contract.

ADDITIONAL TERMS AND CONDITIONS (Construction Contracts Only)

1. CONTRACTOR'S LICENSE: Until June 15, 2021, West Virginia Code § 21-11-2, and after that date, § 30-42-2, requires that all persons desiring to perform contracting work in this state be licensed. The West Virginia Contractors Licensing Board is empowered to issue the contractor's license. Applications for a contractor's license may be made by contacting the West Virginia Contractor Licensing Board.

The apparent successful Vendor must furnish a copy of its contractor's license prior to the issuance of a contract award document.

2. BONDS: The following bonds must be submitted:

- ☒ **BID BOND:** Pursuant to the requirements contained in W. Va. Code § 5-22-1(c), All Vendors submitting a bid on a construction project shall furnish a valid bid bond in the amount of five percent (5%) of the total amount of the bid protecting the State of West Virginia. **THE BID BOND MUST BE SUBMITTED WITH THE BID OR VENDOR'S BID WILL BE DISQUALIFIED.**
- ☒ **PERFORMANCE BOND:** The apparent successful Vendor shall provide a performance bond in the amount of ~~100%~~ of the contract. The performance bond must be received by the Purchasing Division prior to Contract award. (Attorney General requires use of the State approved bond forms found at: www.state.wv.us/admin/purchase/forms2.html) \$750,000.00
See Section 7 above for additional information
- ☒ **LABOR/MATERIAL PAYMENT BOND:** The apparent successful Vendor shall provide a labor/material payment bond in the amount of ~~100%~~ of the Contract value. The labor/material payment bond must be delivered to the Purchasing Division prior to Contract award. (Attorney General requires use of the State approved bond forms found at: www.state.wv.us/admin/purchase/forms2.html) \$750,000.00
See Section 7 above for additional information
- ☐ **MAINTENANCE BOND:** The apparent successful Vendor shall provide a two (2) year maintenance bond covering the roofing system if the work impacts an existing roof. The amount of the bond must be equal to the price associated with the percentage of the project impacting the roof. The maintenance bond must be issued and delivered to the Purchasing Division prior to Contract award. (Attorney General requires use of the State approved bond forms found at: www.state.wv.us/admin/purchase/forms2.html)

At a minimum, all construction projects require a bid bond, performance bond, and labor/material payment bond. Failure on the part of the state of West Virginia to checkmark the required bonds above does not relieve the vendor from the legal requirement of providing these bonds.

In lieu of the Bid Bond, the Vendor may provide certified checks, cashier's checks, or irrevocable letters of credit. Any certified check, cashier's check, or irrevocable letter of credit provided in lieu of the bid bond must be of the same amount required of the Bid Bond and delivered with the bid.

3. DRUG-FREE WORKPLACE AFFIDAVIT: W. Va. Code § 21-1D-5 provides that any solicitation for a public improvement contract requires each Vendor that submits a bid for the work to submit an affidavit that the Vendor has a written plan for a drug-free workplace policy. If the affidavit is not submitted with the bid submission, the Purchasing Division shall promptly request by telephone and electronic mail that the low bidder and second low bidder provide the affidavit within one business day of the request. Failure to submit the affidavit within one business day of receiving the request shall result in disqualification of the bid. To comply with this law, Vendor should complete the enclosed drug-free workplace affidavit and submit the same with its bid. Failure to submit the signed and notarized drugfree workplace affidavit or a similar affidavit that fully complies with the requirements of the applicable code, within one business day of being requested to do so shall result in disqualification of Vendor's bid. Pursuant to W. Va. Code 21-1D-2(b) and (k), this provision does not apply to public improvement contracts the value of which is \$100,000 or less or temporary or emergency repairs.

3.1. DRUG-FREE WORKPLACE POLICY: Pursuant to W. Va. Code § 21-1D-4, Vendor and its subcontractors must implement and maintain a written drug-free workplace policy that complies with said article. The awarding public authority shall cancel this contract if: (1) Vendor fails to implement and maintain a written drug-free workplace policy described in the preceding paragraph, (2) Vendor fails to provide information regarding implementation of its drug-free workplace policy at the request of the public authority; or (3) Vendor provides to the public authority false information regarding the contractor's drug-free workplace policy.

Pursuant to W. Va. Code 21-1D-2(b) and (k), this provision does not apply to public improvement contracts the value of which is \$100,000 or less or temporary or emergency repairs.

4. DRUG FREE WORKPLACE REPORT: Pursuant to W. Va. Code § 21-1D-7b, no less than once per year, or upon completion of the project, every contractor shall provide a certified report to the public authority which let the contract. For contracts over \$25,000, the public authority shall be the West Virginia Purchasing Division. For contracts of \$25,000 or less, the public authority shall be the agency issuing the contract. The report shall include:

- (1) Information to show that the education and training service to the requirements of West Virginia Code § 21-1D-5 was provided;
- (2) The name of the laboratory certified by the United States Department of Health and Human Services or its successor that performs the drug tests;
- (3) The average number of employees in connection with the construction on the public improvement;
- (4) Drug test results for the following categories including the number of positive tests and the number of negative tests: (A) Pre-employment and new hires; (B) Reasonable suspicion; (C) Post-accident; and (D) Random.

Vendor should utilize the attached Certified Drug Free Workplace Report Coversheet when submitting the report required hereunder. Pursuant to W. Va. Code 21-1D-2(b) and (k), this provision does not apply to public improvement contracts the value of which is \$100,000 or less or temporary or emergency repairs.

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.

(Printed Name and Title) Derek Sigman VP of Operations
(Address) PO Box 13533 Ches. WV 25360
(Phone Number) / (Fax Number) 304-552-8897 / 304-343-5961
(email address) dsigman@astarabatement.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 this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; 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.

Astar Abatement Inc.
(Company)
Vanessa Pitt
(Signature of Authorized Representative)
Vanessa Pitt Vice President 6/18/25
(Printed Name and Title of Authorized Representative) (Date)
304-343-5950 / 304-343-5961
(Phone Number) (Fax Number)
Vanessapitt@astarabatement.com
(Email Address)

**REQUEST FOR QUOTATION
CRFQ 0212 SWC2500000008
(CMA ABATMNT25)
Asbestos Abatement Services**

SPECIFICATIONS

- 1. PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids to establish an Open-End Statewide Contract for Asbestos Abatement Services (the Removal, Encapsulation, and Remediation of Asbestos Containing Material) per the attached documents. This Contract will be available to all Agencies of the State of West Virginia and its political subdivisions.

This Contract was previously bid as CRFQ SWC2100000013 (“ABATMNT21”) and opened on: 05/26/2021. Vendors may view previously submitted bids for this solicitation at the WV Purchasing Division Bid Opening Index located at: <https://www.state.wv.us/admin/purchase/Bids/FY2021/BO20210526.html>

- 2. DEFINITIONS:** The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in section 2 of the General Terms and Conditions.

2.1 “Abatement Services” means work performed under this Contract to control or limit asbestos fiber releases from ACM and includes, but is not limited to stripping, removal, encapsulation, disposal, and wet cleaning, in compliance with all applicable laws, regulations, and ordinances, including, but not limited to, the requirements of West Virginia Department of Environmental Protection and Department of Health and Human Resources Asbestos Compliance Division.

2.2 “ACM” or “Asbestos Contaminated Material” means any building product made from, coated with, or containing asbestos.

2.3 “ADO” means Agency Delivery Order created in wvOasis and is initiated by the agency as a release from the Central Master Agreement (Contract) and submitted to the vendor as an order for work requested.

2.4 “Air Lock” means a system for entrance or exit that does not permit air movement between a contaminated area and an uncontaminated area, typically consisting of two curtained doorways at least three feet apart.

2.5 “Air Sampling” means the process of measuring the fiber content or particulate mass of a specific volume of air at a specific point in time.

2.6 “Amended Water” means water to which an appropriate surfactant has been added. This surfactant must meet the minimum specifications set forth by the EPA.

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- 2.7 “Asbestos Filtration Device”** means filtered exhaust ventilation equipment used for drawing air from inside Enclosed Work Areas with at least three filter stages, including readily accessible pre-and secondary filters, and a final filter which must be a High Efficiency Particulate Air (HEPA) filter rated 99.97% effective in capturing particles having diameters of 0.3 micrometers or greater.
- 2.8 “Barrier”** means polyethylene sheeting and/or other materials which, when used in conjunction with the existing floors, ceiling, and walls of the structure, form the containment area.
- 2.9 “Enclosed Work Area”** means the area inside the Barrier that contains ACM that will be abated.
- 2.10 “Clean Room”** means an uncontaminated area or room outside the Enclosed Work Area and part of the Work Area Insulation Structure, with provisions for storage of worker's street clothes and protection equipment.
- 2.11 “Curtained Doorway”** means a device to allow entrance or exit from one room to another while restricting air movement between the rooms. Typically constructed by placing three overlapping sheets of polyethylene film over an existing or temporarily framed doorway, securing all sheets along the top of the doorway, securing the vertical edge of the outside sheet along one vertical side of the doorway, the second sheet along the doorway vertical edge opposite the first, and the third sheet around the entire doorway (including base). The third sheet should be slit down the center to within one foot of each end to facilitate access by personnel. Two "Curtained Doorways" should be spaced a minimum of three feet apart to form an "Air Lock".
- 2.12 “Disposal”** means transporting and depositing of the ACM stripped and/or removed from the building to an approved waste disposal site in compliance with State and Federal laws and regulations.
- 2.13 “Encapsulant” or “Sealant”** means all materials and procedures necessary to prevent the release of asbestos and transport and deposit the ACM stripped and/or removed from the building to an approved waste disposal site.
- 2.14 “Encapsulation”** means all procedures necessary to coat ACM with an encapsulant to control the possible release of asbestos fibers into the ambient air; also specified procedures necessary to render inaccessible ACM non-friable and incapable to releasing asbestos fibers into the ambient air.

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- 2.15 “Equipment Room”** means a contaminated area or room inside the Enclosed Work Area which is part of the Work Area Isolation Structure, with provisions for storing of contaminated clothing and equipment.
- 2.16 “HEPA”** means high efficiency particulate air.
- 2.17 “HEPA Vacuum Equipment”** means High Efficiency Particulate Air filtered vacuuming equipment with a filter system capable of collecting and retaining asbestos fibers.
- 2.18 “HVAC”** means heating, ventilating, and air conditioning and includes all supply and return ductwork, unit ventilators, fan-coil units, blower cabinets and fans, control devices, damper assemblies and other mechanical equipment.
- 2.19 “Independent Testing Laboratory”** means a qualified organization capable of performing necessary Air Sampling and other testing requirements of asbestos abatement projects.
- 2.20 “Lagging”** means insulation used to prevent heat loss from pipes, boilers, and similar equipment.
- 2.21 “NIOSH”** means National Institute for Occupational Safety and Health.
- 2.22 “OSHA”** means United States Department of Labor, Occupational Safety and Health Administration.
- 2.23 “Pricing Pages”** means the schedule of prices, estimated order quantity, and totals attached hereto as Exhibit A and used to evaluate the RFQ.
- 2.24 “Removal”** means all specified procedures necessary to gather, transport and dispose of ACM.
- 2.25 “Solicitation”** means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.
- 2.26 “Stripping”** means all specified procedures necessary to remove ACM.
- 2.27 “Surface Sample”** means a wipe or bulk sample taken from the suspect surface to ascertain the presence of asbestos fibers.
- 2.28 “Surfactant”** means a chemical wetting agent added to water to reduce its surface tension and thereby improve its penetrating capabilities into ACM.

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- 2.29 “8-Hour TWA”** means the time-weighted average for an eight-hour day; used in expressing some airborne asbestos fiber concentrations.
- 2.30 “Washroom”** means a shower between the Clean Room and the Equipment Room in the Work Area Isolation Structure, with facilities for showering and equipment cleaning.
- 2.31 “Wet Cleaning”** means the process of removing ACM from building surfaces, equipment, objects, tools, disposal containers, etc. with a liquid, generally water.
- 2.32 “Work Area”** means the area in and around which Vendor is performing Abatement Services.
- 2.33 “Work Area Isolation Structure”** means a series of connected rooms, typically consisting of a Clean Room, Wash Room, and Equipment Room, to permit equipment and personnel movement to and from the Enclosed Work Area while preventing airflow from the Enclosed Work Area. It is also used for the decontamination of workers, materials and equipment. A Work Isolation Structure always contains at least one Air Lock.
- 3. SCOPE OF WORK:** Vendor shall provide all equipment, material, and labor necessary to perform Abatement Services.
- 3.1 Abatement Services provided under this Contract will include:**
- 3.1.1 ASSESSMENT FEE:**
- 3.1.1.1** Vendor may charge an initial, one-time “Assessment Fee” to the agency to help cover the cost of the initial on-site visit.
- 3.1.1.2** This fee may only be charged for the initial (one-time) on-site visit/assessment.
- 3.1.1.2.1** Assessment Fee will not be charged for follow-up visits if needed.
- 3.1.2** Stripping, Removal, Encapsulation, Disposal, and Wet Cleaning, in compliance with all applicable laws, regulations, and ordinances.
- 3.1.3** Sealing all surfaces from which ACM or suspected ACM was removed and sealing of all exposed edges of any remaining ACM that is to remain in place.

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- 3.1.4** HEPA vacuuming and Wet Cleaning all surfaces inside and outside of the Enclosed Work Area as needed.
 - 3.1.5** Ensuring that the worksite is properly maintained to protect public safety.
 - 3.1.6** Insulating and fireproofing various structures from which ACM has been sealed or removed.
 - 3.1.7** Restoration of all property, private or public, affected by Abatement Services to its original condition or better.
 - 3.1.8** Providing clearance reports, final reports, and project manuals that include descriptions of work in all locations, waste manifests signed by landfill representatives, and all other documents related to this project.
 - 3.1.9** Any other task required by the West Virginia Department of Environmental Protection and Department of Health and Human Resources Asbestos Compliance Division to properly provide Abatement Services.
- 3.2** The scope of Abatement Services required under this Contract may vary from project to project as needed. There is no guarantee of any kind regarding the amount or type of Abatement Services that will be required under this Contract.
- 3.3 REGULATIONS/STANDARDS:** Any requirements to adhere to Federal and State regulations or standards for Asbestos Abatement Services listed in this RFQ are to be considered as minimum requirements and if there are updated versions of the regulations or standards available, those updated standards or regulations supersede the versions contained in this solicitation.
- 3.4 REPORTING:**
- 3.4.1** The vendor shall provide quarterly utilization reports containing at a minimum the following information pertaining to the State of West Virginia agencies, boards, commissions, and political subdivisions:
 - 3.4.1.1.1** Ordering Entity;
 - 3.4.1.1.2** Purchase order number;
 - 3.4.1.1.3** Description;

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3.4.1.1.4 Quantity;

3.4.1.1.5 Price.

These reports will be provided in Excel format and sent via email to Mark.A.Atkins@wv.gov on a quarterly basis as follows:

<u>PERIOD END</u>	<u>REPORT DUE</u>
December 31	January 31
March 31	April 30
June 30	July 31
September 30	October 31

Failure to provide the required reporting may be grounds for contract cancelation,

3.5 ADMINISTRATIVE FEE: The Vendor shall pay to the West Virginia Purchasing Division by check, an Administrative Fee of One (1) Percent (1.00%) no later than (60) calendar days following the end of each quarter for purchases made by Purchasing Entities within the jurisdiction of the State of West Virginia. This fee must be included in the vendors bid pricing and cannot be passed onto the end user.

This fee is to be included as part of the prices incorporated into this Contract and will begin on the contract start date. The Administrative Fee shall be submitted quarterly and is based on the gross amount of all sales made by Purchasing Entities within the jurisdiction of the State of West Virginia under the contract: **CMA 0212 ABATMNT25**.

Payment shall be made by check payable to the “**WV Purchasing Division**”. The West Virginia Contract number **CMA 0212 ABATMNT25** must be included in all payments.

Remit Checks To: WV Purchasing Division
2019 Washington Street, East
Charleston, WV 25305
Attn: Purchasing Director

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4. CONTRACT AWARD AND PRICING:

4.1 This Contract shall be awarded to the Vendor that meets or exceeds the specifications contained herein and provides the lowest combined **TOTAL BID AMOUNT** for Abatement Services requested in the three bid scenarios (See Exhibit_A Pricing Pages. All pricing requested in the pricing pages must be bid or disqualification of the bid may result.

Pricing Pages (Exhibit_A), were created in MS Excel and may be downloaded from the wvOASIS Vendor Self-Serve site for this solicitation for use in submitting response.

Assessment Fee: Unit Price (x) Estimated Quantity = Extended Total

Bid Scenario 1: Unit Price (x) Scenario Quantity = Extended Total

Bid Scenario 2: Unit Price (x) Scenario Quantity = Extended Total

Bid Scenario 3: Unit Price (x) Scenario Quantity = Extended Total

Unit Prices Page: Vendor is to enter each Unit Price per Subcategory.

Bid Recap Pricing Page: Vendor is to enter the Sub-Total from Assessment Fee, Bid Scenario 1, Bid Scenario 2, Bid Scenario 3, Unit Price Page for a **TOTAL BID AMOUNT**.

The Purchasing Division will award a contract to the successful vendor that provides all commodity items for Asbestos Abatement Services for all West Virginia State Agencies and Political Subdivisions.

4.2 Vendor should also list a **Unit Price** for each activity shown on the **Exhibit A Unit Prices Pricing Page Tab**. The Vendor must use the unit prices quoted to calculate the total price for Abatement Services in the bid scenarios. The total price for Abatement Services for each scenario is then combined to make up the lowest combined total price. The Purchasing Division reserves the right to adjust Vendor's bid to reflect the proper unit price quoted on the Pricing Pages.

4.3 Unit Prices must include all labor, materials, equipment, supplies, transportation, cost of mobilization, demobilization, etc. necessary to perform Abatement Services.

4.3.1 These items will not be paid for separately and Vendor shall not include them on invoices to the Agency.

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- 4.4 Notwithstanding anything contained herein, insulation and fireproofing will be billed at unit prices separate from unit prices for Abatement Services as evidenced by the Unit Pricing Pages.

5. ORDERING PROCEDURES:

- 5.1. Agency should issue a wvOASIS ADO release (Agency Delivery Order) for all Asbestos Abatement Services from the Central Master Agreement ABATMNT25, established as a result of this RFQ. Vendor shall not perform work under this Contract until a release order has been issued.
- 5.2. The Blanket Performance and Labor/Material Bonds provided by the vendor will be applied to each Delivery Order issued.
- 5.3. Agency's wvOASIS ADO release shall include a Date and Time which the Vendor must commence Abatement Services.
- 5.4. Vendor must respond to emergency requests for Abatement Services within eight (8) hours of being notified of the same by Agency.

6. INVOICING AND PAYMENT:

- 6.1. Vendor shall invoice Agency for work performed under this Contract in accordance with the Unit Prices quoted on the Exhibit A Pricing Pages. All invoices must contain a list of the work performed, broken down into the individually priced units, a list of the unit prices for the work, a total for each category of work performed, and a total cost of all work performed.
- 6.2. The cost of any repairs necessitated by damage caused by Vendor during its providing of Abatement Services shall be deducted from any invoice.
- 6.3. Agency will only make final payment upon delivery of all required documentation and verified satisfactory completion of all Abatement Services requested.
- 6.4. Vendor may request monthly payments based on work completed if a schedule of completion and payment is submitted and approved by the Agency in advance.

7. VENDOR QUALIFICATIONS:

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7.1 Vendor, or Vendor's supervisory staff assigned to this project, must have successfully completed projects that involved work similar to that described in these specifications or the Project Plans.

7.1.1 Compliance with this experience requirement will be determined prior to contract award by the State through references provided by the Vendor upon request, through knowledge or documentation of the Vendor's past projects, through confirmation of experience requirements from the architect assisting the State in this project, or some other method that the State determines to be acceptable.

7.1.2 Vendor must provide any documentation requested by the State to assist in confirmation of compliance with this provision.

7.1.2.1. References, documentation, or other information to confirm compliance with this experience requirement may be requested after bid opening and prior to contract award.

7.2. Vendor must provide a listing and brief summary of all incidents in which Vendor was cited for noncompliance with federal or state regulations within the past 24-months and any corrective action that was taken.

7.2.1. This summary should be submitted with the bid and must be provided upon request. If no citing's were issued in the 24-month period, the vendor may provide a statement with their bid stating as such.

7.3. All work is to be performed by personnel with a minimum of a current Class I Asbestos Worker Certification, and under the supervision of a Class II Asbestos Supervisor.

7.3.1. Vendors should provide one (1) Supervisor and one (1) Worker Certificate with their submitted bid response. This information must be provided immediately upon request.

7.4 All contractors shall have shirts with a company logo identifying whom they work for.

8. WORK AREA SECURITY: Vendor is responsible for security of the Work Areas of each project and/or facility.

8.2. Security: The Vendor must provide security measures to prevent any unauthorized accidental entry into the Work Area. The Vendor must post

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hazard warning signs at all points of possible access to the Work Area. The signs must contain the specific wording required by OSHA and EPA.

8.3. Limited Entry: Vendor must limit entry into all Work Areas to its personnel, the Architect or Engineer's authorized representative, authorized Agency representatives, and Government Regulatory Agency personnel legally entitled to inspect the project. All persons entering the Work Areas must be properly protected against exposure to asbestos.

8.4. Visitor Log: Vendor shall maintain a visitor's log for each project that must be signed by each visitor and contain the date and time of each visit, duration of time in Work Area, activities in the Work Area, safety precautions used, protective equipment used, etc. Visitors include anyone at the site other than Vendor's authorized personnel. Agency personnel, the architect, engineer, and inspectors are all examples of visitors. Vendor shall make the Visitor's Log available for inspection upon Agency's request. At the completion of any project, Vendor must forward a copy of the Visitor Log to Agency.

9. PROJECT COMPLETION:

9.2. Final Project Clearance: A project will not be deemed complete under this contract unless it has obtained final project air clearance results from a third-party WV licensed air clearance monitor when containments are used to remove asbestos. All air clearance results must be less than or equal to 0.01 fibers per cubic centimeter. When an abatement project does not require containment, the project will not be considered complete until the owner's/Agencies asbestos project manager has inspected the area.

9.3. Final Vendor Inspection: At the conclusion of Abatement Services, Vendor shall conduct a thorough inspection of the entire Work Area. If any dust or other debris is observed, in addition to any requirement of the specifications, Vendor shall perform additional Abatement Services to remove dust and/or debris.

10. RECORDS:

10.2. Project Log: Vendor must maintain a daily Project Log for each project. The Log must include the following information:

10.2.1. Name and location of the project,

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- 10.2.2.** Name of the project superintendent and the actual time that the project superintendent is physically on site,
 - 10.2.3.** Brief description of work performed,
 - 10.2.4.** Name of each employee on site,
 - 10.2.5.** Description of any significant events, incidents, or unusual occurrences (including but not limited to, deviations of plans, specifications, contract requirements noted by the Agency, Engineer, Architect, Inspector, air-sampling technician, or Vendor's Representative, emergencies, accidents or dangerous conditions, and steps taken to assure continued security of the Work Area), and
 - 10.2.6.** Copies of routine inspection reports, results of Air Sampling and analysis, project minutes, disposal forms, and any other routine documents (including project Purchase/Delivery Order) relating to project activities.
- 10.3. Asbestos Disposal Form:** All ACM must be disposed of properly and deposited in an EPA approved landfill. The Vendor must secure an Asbestos Disposal Form or manifest for each separate load of ACM delivered to the landfill. Copies of all documents relating to disposal must be placed and retained in the Project Log.
- 10.4. Records Retention:** Vendor must comply with all submittal, documentation, and notice requirements set forth by the EPA, OSHA, all other federal, state, and local regulatory agencies, and the project specifications. Copies of all submittals, documents, and notices that are produced or are given to the Agency or to any governmental agency must be retained in the Project Log.
- 10.5. Copies Required:** Vendor shall make the Project Log and any other documents available for inspection upon Agency's request. At the completion of any project, Vendor must forward a copy of the Project Log and any other documents to Agency.

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11. LIABILITY: Vendor will be responsible for any damage from ACM or asbestos fiber release occurring during performance of Abatement Services.

12. WARRANTY: In addition to any other warranty contained in the terms and conditions:

12.2. All workmanship and materials shall be guaranteed for a minimum of one (1) year from final acceptance unless manufacturer's standard approved warranty is greater;

12.3. The vendor warrants that all goods and services furnished will be designed, constructed, and performed in compliance with the William Steiger Occupational Safety and Health Act of 1970, as amended from time to time, and the rules, regulations, and standards issued there under by any applicable governmental authority;

12.4. The vendor warrants that all chemical substances utilized for the State of West Virginia comply with and are inventoried or registered pursuant to the requirements of the Toxic Substance Control Act, and rules and regulations issued there under by all applicable governmental authorities.

13. MATERIALS SUPPLIED:

13.2. The Vendor shall furnish the Agency with a Material Safety Data Sheet disclosing all potentially hazardous substances in any product that the Vendor sells or offers for sale to the State of West Virginia.

13.3. All products specified in these documents shall be understood to include an "or equal" clause.

13.4. It is the intention of the State of West Virginia not to purchase any products that contain asbestos or asbestos components in the equipment or materials to be supplied by the Vendor. Vendor warrants that all equipment and materials to be supplied under this Contract are free of asbestos, except in the extent that such asbestos is specifically identified in writing by the Vendor and accepted in writing by the State.

14. COMPLIANCE WITH ABATEMENT LAWS: Vendor shall comply with and ensure that all its personnel and all subcontractors performing under this Contract understand and comply with the most recent version of all applicable laws rules,

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regulations, and interpretations of the U.S. Department of Labor, Occupational Safety and Health Administration (OSHA), the U.S. Department of Transportation (DOT), the U.S. Environmental Protection Agency (EPA) and all other state, federal, county, and other agencies having jurisdiction over Abatement Services.

Those applicable laws, rules, and regulations include, but are not limited to the most recent versions of:

- West Virginia Code §16-32-1, et seq.
- Regulations for Asbestos (Code of Federal Regulations Title 40 CFR, Part 61, Subparts A and M). (Issued April 5, 1984).
- OSHA-Asbestos Regulations (Code of Federal Regulations Title 29 CFR, Part 1910, Section 1910.1001).
- EPA-Office of Toxic Substances Guidance Document, "Asbestos-Containing Materials in School Buildings," Part 1 and Part 2.
- EPA-Office of Pesticides and Toxic Substances publication "Guidance for controlling Friable Asbestos-Containing Materials in Buildings" (EPA 560/5-83-002).
- NIOSH publications, "Respiratory Protection... An Employer's Manual" and "Respiratory Protection... A Guide for the Employee".
- U.S. Department of Transportation (DOT) Hazardous Materials Regulations Code of Federal Regulations Title 49, CFR Parts 172.101 and 173.1090. OSIIA-General Industry Safety and Health Standard Title 29 CFR Section 191 0.134.
- OSHA-Construction Industry Safety and Health Standards Title CFR Section 1926.1 -.1051
- OSHA-Hazardous Communications Regulations Title 29 CFR Section 1910.120.

Vendor shall make a copy of the OSHA Regulations 19101 and EPA Regulations of Part 61, Sub-Part M governing asbestos stripping procedures available for viewing at each location that Abatement Services are being performed under this Contract.

15. PERSONAL PROTECTION:

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15.2. Respiratory Protection Equipment: Subject to any more stringent requirements imposed by applicable law or project specification, the Vendor must comply with the following at a minimum.

15.2.1. The Vendor must provide all workers and those who have access to abatement Work Areas with personally issued and marked respiratory protection equipment approved by NIOSH/OSHA as suitable protection against airborne asbestos fibers in the concentration being experienced at each project. Respirators issued to site visitors must, at minimum, provide the same level of protection against airborne asbestos fibers as those issued to workers.

15.2.2. The Vendor must have and strictly enforce all provisions of a written Respiratory Protection Program at least as stringent as required by law. As part of this Program, all persons using respirators must be thoroughly instructed in the following details:

- i.** Proper use
- ii.** Care, cleaning, and sanitizing
- iii.** Limitations
- iv.** Maintenance
- v.** Emergency procedures
- vi.** Prohibition of facial hair

Documentation of actual receipt of this training must be obtained by signature from each person using respirators. The signed forms and the Respiratory Protection Program must be placed and maintained in the Project Log. The Vendor must not allow a person who has not actually received such training and acknowledged receipt of the training to access to the Work Area.

15.2.3. The following minimum standards must be adhered to with regard to Respiratory Protection Equipment, unless a higher standard is required by a governmental agency or Vendor policy.

15.2.3.1. Air purifying half-face respirators with HEPA filters will be used for all setup when (unless an industrial hygienist certifies in writing that no such respirators are required) the possibility that airborne asbestos fibers exist.

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15.2.3.2. Positive pressure respirators must be used for Removal work. These may include powered-air respirators (PAR) or air supplied respirators (Type C), and should be on constant flow design. If PAR respirators are used, the filters must meet HEPA performance criteria as defined by NIOSH.

15.2.3.3. At any time when work-place airborne fiber concentrations are expected or demonstrated by Air Sampling to exceed 5.0 fibers / cc, only type C respirators can be used.

15.2.3.4. Single-use, disposal respirators must not be used at any time.

15.3. Protection Procedures: Subject to any more stringent requirements of applicable law, rule, ordinance, or the project specifications, the Vendor must comply with the following procedures:

15.3.1. Every person must, prior to every entry into an Enclosed Work Area, remove all street clothes in the Clean Room and put on their respirator and clean protective clothing before passing through the Washroom to the Enclosed Work Area.

15.3.2. Every person must, each time they leave a Work Area, remove all clothing, except their respirator, prior to entering the Washroom. The person must then enter the Washroom and flood their entire bodies, including head and face, with water and wash the respirator. This is necessary to remove any asbestos particles on the respirator, which could subsequently enter their breathing zones. Only after this procedure is complete, may the person remove their respirator and thoroughly wash the remainder of their bodies, especially hair and fingernails.

15.3.3. No persons will be permitted to bypass the safety procedures contained herein.

16. MISCELLANIOUS SAFETY AND MAINTENANCE PROCEDURES:

16.2. Layout of Work Area Entrance and Decontamination Structures: The Vendor must set up Work Area isolation/decontamination facilities in the manner specified in the specifications or applicable law, or if more stringent, consisting of three areas as follows:

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- 16.2.1.** The Equipment Room must be an area of sufficient size to accommodate at least one worker, a 6-mil disposal bag and container, and any equipment that the user wishes to store when not in use. The Equipment Room must not be physically separated from the Work Area Isolation Structure.
- 16.2.2.** The Washroom must have two curtained doorways of opaque polyethylene film, one to the Enclosed Work Area, and one to the uncontaminated area. At least one shower must be installed in this room for personal decontamination.
- 16.2.3.** The Clean Room must be of sufficient size to accommodate at least one worker and storage of street clothing. The Clean Room must be in the uncontaminated area and be separated from any contaminated area by at least one Air Lock.
- 16.2.4.** Prefabricated or trailer-type decontamination/entrance system may be used.
- 16.3. Maintenance of Isolation System and Barriers:** At all times during any asbestos abatement project, the Vendor must routinely and frequently inspect and maintain the integrity of all Barriers and Curtained Doorways, and of the Work Area isolation Structure, and Enclosed Work Area. Special attention must be applied to taped joints. The Vendor must immediately repair damaged Barriers. Curtained Doorways, and other matters that may affect the integrity of the Enclosed Work Area and the Work Isolation Structure.
- 16.4. Use of Asbestos Filtration Devices (AFD):** When required by applicable law, rule, or ordinance, Vendor must install and use Asbestos Filtration Devices (AFD) as part of an exhaust ventilation system to develop and hold a negative differential air pressure inside the Enclosed Work Areas.
- 16.5. Cleanup and Transportation of ACM:** All polyethylene film, tape, cleaning material, clothing, respirator and AFD filters, and other disposable material or items used in the Enclosed Work Area must be treated and disposed of as ACM.

As disposal containers are filled, they must be sealed and moved to a staging area. The Vendor must remove ACM from the Enclosed Work Area on a regular basis. All waste containers must be thoroughly decontaminated before leaving the Enclosed Work Area.

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When Loading filled disposal containers into the transport vehicles, the Vendor must: take steps to protect against rupture or other accidental opening of the sealed containers; assume any and all liability for any rupture or other opening of sealed containers.

Warning labels, having waterproof print and permanent adhesive, must be affixed to the sides of the disposal containers. Warning label must be conspicuous and legible, and they must be in accordance with the most recent versions of EPA, OSHA, and DOT regulations.

- 16.6. Disposal of ACM:** Disposal of ACM must comply with all applicable laws, rules, and ordinances including, but not limited to DOT, OSHA, and EPA regulations. The landfill must be licensed to accept asbestos by all federal, state, and local authorities and proof of such license must be included in the project report. The Vendor must fully document actual disposal for each load of waste delivered to the designated landfill. Signature attesting to receipt of the waste by the landfill operator must be obtained from the landfill operator for each load.

16.7. Decontamination of Work Area and Site Cleanup:

- 16.7.1.** Upon completion of all Abatement Services, all equipment, machinery, scaffolding, tools, etc. must be cleaned with Amended Water and removed from the Work Area.
- 16.7.2.** After removing equipment and tools, the Vendor shall clean all surfaces inside the Enclosed Work Area, and any other part of the Work Area suspected of having asbestos fiber contamination, using Amended Water and/or HEPA filtered vacuum equipment, as appropriate.
- 16.7.3.** After all surfaces and equipment have been thoroughly cleaned and final clearance air sample results have been obtained, the Work Area Isolation Structures can be removed and must be disposed of as ACM.
- 16.7.4.** Vendor must conduct a detailed final inspection to ensure that no dust or debris remains on any surface and must immediately take any additional steps necessary to make sure the Work Area is free from asbestos fibers.

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16.8. Final Restoration: Vendor is responsible for restoring the Work Area to conditions equal to or better than original. Any damages caused during the performance of abatement activities shall be repaired by the Vendor (e.g., paint peeled off by barrier tape, nail holes, water damage, broken glass, etc.), at no additional expense to the Agency.

17. INSULATION: Vendor shall insulate structures from which ACM has been removed or sealed in accordance with all applicable laws, rules, and ordinances, and as required by this Contract, the Agency, and Agency's representative.

17.2. Thermal and Acoustic Insulation: Vendor shall furnish and install all insulation necessary to the project and in accordance with the following type schedule. All insulation and accessories used in an air plenum space, and all duct covering and lining regardless of physical location, shall have a composite (insulation, jacket, & adhesive) fire and smoke hazard rating as tested under procedure ASTM E-84, NFPA 255 & UL 723 (or most recent version), not exceeding a flame spread 25 and smoke developed 50. All other areas shall have insulating materials and accessories on pipes and vessels rated at a flame spread 25 and smoke developed 150 as tested by the same procedure. All calcium silicate shall be asbestos free.

Insulation Types: Subject to compliance with additional legal and regulatory requirements, Vendor shall provide insulation products of the following type:

Type (1): Fiberglass pipe insulation as manufactured by CertainTeed, Owens-Corning, Knauf, or Manville. Insulation shall be suitable for applications to 650 deg F and shall have a "k" factor of .23 at 75 deg F mean temperature.

Type (2): Armaflex Ap elastomeric pipe insulation as manufactured by Armstrong. Insulation shall be suitable for applications from -40 to +220 deg F and shall have a "k" factor of .24 at 75 deg F mean temperature. Armaflex insulation shall have a fire/smoke rating of 25/50 under ASTM E84-75.

Type (3): Rigid fiberglass duct insulation as manufactured by Manville, Owens-Corning, Knauf or CertainTeed. Insulation shall be suitable for applications to 450 deg F and shall have a "k" factor of .24 at 75 deg F mean temperature.

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Type(4): Flexible fiberglass duct insulation as manufactured by Manville, Owens-Corning, Knauf or CertainTeed. Insulation shall be suitable for applications to 250 deg F and shall have a "k" factor of .31 at 75 deg F mean temperature.

Type(5): (Not Applicable).

Type(6): Flexible board type fiberglass insulation as manufactured by Manville, Owens-Corning or CertainTeed. Insulation shall be suitable for applications to 450 deg F and shall have a "k" factor of .35 at 200-deg F mean temperature and a density of 3 pounds per cubic foot.

Type(7): Rigid block type calcium silicate insulation as manufactured by Manville, Owens-Corning, or PABCO. Insulation shall be suitable for applications to 800 degrees' Fahrenheit mean temperature and a density of 14 lbs. per cubic foot. Jacketing shall be F.G.C. field applied 8.5-oz. glass-cloth lagging.

Type of Finish:

1. **A.S.J.** - All service jacket with self-seal lap.
2. **F.G.C.** - Field applied 8-1/2 oz. Glass cloth lagging.
3. **F.F.V.** - Foil faced Kraft paper vapor seal, factory applied.

17.3. Installation: All insulation shall be completed over clean dry surfaces. Insulation must be dry and in good condition. Wet or damaged insulation will not be acceptable. No insulation shall be applied prior to pressure test completion of the respective piping and/or duct system.

17.3.1. Pipe insulation: All pipe insulation shall be installed with joints butted firmly together. All valves and fittings shall be insulated using insulation equal in density and thickness to the adjoining insulation, or with insulation cement equal in thickness to the adjoining insulation or pre-molded insulated fittings. The insulation applied to the valves and fitting shall be covered with Zeston 25/50 rated PVC fitting covers as manufactured by Manville Corporation or equal. No staple area allowed penetrating the vapor barrier on cold systems unless specified by the Owner. (i.e. chilled water, cold water, down spouts.) All pipe insulation ends shall be tapered and sealed regardless of services.

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All flexible elastomeric insulation shall have all fittings, butt ends, and seams sealed with vapor barrier adhesive.

All insulated, exposed vertical piping within the building, excluding the mechanical equipment rooms, and piping exposed to outdoors shall include a 0.016" thick aluminum jacket in addition to the normal finish. Vertical piping shall be protected to a height of 8'-0" above the floor. Reheat coils in supply air ductwork shall also have a 0.016" thick aluminum jacket.

- 17.3.2. Duct Insulation:** Rigid duct insulation shall be impaled over welded pins and secured with white insulation caps. All seams shall be firmly butted, staggered, and sealed with white pressure-sensitive vapor-barrier tape. Do not use staples unless specified by Owner/Agency.

Wrap around duct insulation shall be applied with all joints butted firmly together. Insulation shall be cemented to the surface with fireproof adhesive applied in 6" wide strips on 12" centers. All joints in the insulation covering shall be sealed with adhesive. Where the duct is over 24" wide, the duct wrap shall be additionally secured to bottom of rectangular or oval ducts with mechanical fasteners on 16" centers to prevent sagging. Vapor barrier shall be legibly printed by the manufacturer to show nominal thickness and type of insulation.

Duct liner insulation shall be applied with joints pre-coated with adhesive and butted firmly together. Lining shall be cemented to ductwork with a minimum of 75 percent coverage of fire-resistant adhesive. Mechanical fasteners on maximum of 12" centers and adhesive shall be used when all ductwork in the Mechanical Rooms is to be considered as "exposed ductwork", per schedule in this section, i.e., supply and outdoor air.

- 17.3.3. Boilers, Vessels, Breeching, ECT Insulation:** Rigid or flexible insulation shall be installed with joints staggered and all seams firmly butted together. Insulation shall be secured using 3/4" x .020 stainless steel bands on 12-inch centers. Where required, weld studs, clips, or angles needed to provide anchors for wires and bands. Insulate and lag using the appropriate type of either six or seven.

- 17.3.4. Additional Requirements:** See the duct material schedule on building drawings when available for additional insulation

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information. Armaflex insulation exposed to the outdoors shall be painted, two coats of white Armaflex finish by the insulation contractor. A/C condensate floor drain waste lines to be insulated for a distance of 10' - 0" from the floor drain handling the condensate.

17.4. All insulation material shall conform to the following schedules:

Service	Type	Size	Thickness	Finish
Heating Water	1	4" & Under	1"	A.S.J.
Chilled/Heating Water	1	6" & Over	1 1/2"	A.S.J.
Chilled Water*	1	All Sizes	1"	A.S.J.
	2	1 1/2" & Under	1/2"	*****
Chilled Water Pump	1	*****	1"	F.G.C.
	2	*****	1/2"	*****
Domestic Water	1	All Sizes	1"	A.S.J.
(Hot & Recirculated)	2	1 1/2" & Under Only	1/2"	*****
Domestic Cold Water	1	All Sizes	1	A.S.J.
& Downspouts (New & Existing)	2	1 1/2" & Under Only	1/2"	*****
Steam Condensate (15# & Under)	1	4" & Under	1 1/2"	A.S.J.
Steam Condensate (15# & Under)	1	6" & Over	2"	A.S.J.
Steam Condensate (16# to 55#)	1	1' & Under	1 1/2"	A.S.J.
Steam Condensate (16# to 55#)	1	1 1/4" to 4"	2 1/2"	A.S.J.
Steam Condensate (16# to 55#)	1	5" and Over	3"	A.S.J.
Feed Water, Pumped Steam Condensate, Blowdown	1	All Sizes	1 1/2"	A.S.J.
Exposed Ductwork	3	All Sizes	1 1/2"	A.S.J.

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Concealed Ductwork	4	All Sizes	1 1/2"	F.F.V.
Heat Exchangers	6	All Sizes	2"	F.G.C.
Feedwater Tank, Condensate Pumps & Receivers, Flash Tank, Blowdown Separator, Air Separators	6	All Sizes	2"	F.F.V.
A.C. Condensate Floor Drain Waste Lines	1	All Sizes	1"	A.S.J.
Refrigerant Piping	2	1 5/8" & Under	1/2"	*****
Domestic Hot Water Heater	6	All Sizes	2"	F.G.C.
Reheats Coils in Supply Air Duct Work Aluminum Jacket	3	All Sizes	1 1/2"	A.S.J. &0.016"

*Piping installed outdoors to be insulated installed with type 2 insulation.

18. FIREPROOFING: Vendor shall fireproof structures from which ACM has been removed or sealed in accordance with all applicable laws, rules, and ordinances, and as required by this Contract, the Agency, and Agency's representative.

18.2. General: Vendor shall provide materials and construction which meet or exceed those tested for the following fire performance characteristics, according to test method indicated, by UL or other testing and inspecting agency acceptable to authorities having jurisdiction.

18.2.1. Fire Resistance Ratings: As indicated by reference to design designation in UL "Fire Resistance Directory" for fire-rated assemblies in which sprayed-on fireproofing serves as direct-applied protection, tested per ASTM E 119.

18.2.2. Surface Burning Characteristics: As indicated for each sprayed-on fireproofing product required, tested per ASTM E 84 and listed in UL "Building Materials Directory".

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- 18.2.3. Field-Constructed Mock-Up:** Prior to installation of exposed sprayed-on fireproofing, apply each product indicated for exposed applications, in location selected by the Owner/Agency, to represent completed work for qualities of appearance, materials, and application. Mock-ups should be approximately 100 sq. ft. of surface. To the extent possible, Vendor should retain mock-ups during construction as standard for judging completed work.
- 18.3. Submittals:** To obtain approval for use of fireproofing materials Vendor must submit the following to Agency and Agency's representative:
- 18.3.1. Product Data:** manufacturer's product data for each sprayed-on fireproofing product indicated.
- 18.3.2. Test Reports:** certified test results from an independent testing laboratory indicating compliance of sprayed-on fireproofing products with performance requirements indicated; Acceptance of steel primers by sprayed-on fireproofing manufacturer, based on data submitted by primer manufacturer, and sprayed-on fireproofing manufacturers' certification that their products comply with specification requirements and are suitable for the use indicated.
- 18.4. Delivery, Storage, Handling:** Vendor shall deliver fireproofing products to project site in original, unopened packages with manufacturers' labels identifying products legible and intact. Vendor must also include names of products and manufacturers, date of manufacturer and shelf life, on the labels where applicable. Vendor must use materials with limited shelf life within period indicated. Vendor must store materials inside, under cover or above ground and in a manner to keep them dry until ready to use.
- 18.5. Fireproofing Products:** Fireproofing products provided by Vendor must comply with or exceed the requirements of the most recent version of the published applicable law, rule, ordinance, and those listed below.
- 18.5.1. Cementitious Fireproofing:** Cementitious fireproofing must be a factory-mixed formulation of inorganic binders and lightweight mineral aggregates mixed with water at project site to form slurry for pumping and for dispersal by compressed air introduced at spray nozzle. The physical properties that must be met include:

1. Bond Strength: 80 lbs. per sq. In. per ASTM E 736.

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2. Compressive Strength: 3.47 lbs. per sq. In, per ASTM E 761.
3. Corrosion Resistance: No Evidence of corrosion per ASTM E 937.
4. Deflection: No cracking, spalling, delamination, or the like per ASTM F759.
5. Effect of Impact on Bonding: No cracking, spalling delamination, or the like per ASTM E 760.
6. Air Erosion: Maximum weight loss of 0.025 grams per sq. Ft. per ASTM E859.
7. Dry Density: Values for average and individual densities as required for fire-resistance ratings indicated, per ASTM E 605.
8. Hardness: 0.50 max. Penetration per ASTM C 569.
9. Surface Burning Characteristics: Maximum flame spread and smoke developed values of 10 and 0, respectively.

18.6. Installation – Vendor shall install fireproofing material in accordance with all applicable laws, rules, ordinances, manufacturers’ instructions and specifications, and instructions from the Agency or Agency’s representatives.

18.6.1. Preparation: Vendor shall clean substrates of substances that could impair bond of fireproofing, including oil, grease, rolling compounds, incompatible primers, and loose mill scale, prime substrates where recommended by fireproofing manufacturer, except where compatible shop primer has been applied and is in satisfactory condition to receive fireproofing.

For exposed sprayed-on fireproofing applications Vendor shall repair substrates to remove any surface imperfections that could affect uniformity of texture and thickness in finished surface of fireproofing and remove minor projections and fill voids that would telegraph through. All new sprayed on fire proofing shall be tinted blue.

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Vendor shall cover other work that might be damaged by fall-out or overspray of fireproofing materials during application and provide a temporary enclosure as required to confine spraying operations, protect the environment, and to ensure adequate ambient conditions for temperatures and ventilation.

Vendor shall examine substrates to determine if they are in satisfactory condition to receive sprayed-on fireproofing. A satisfactory substrate is one that has been properly remediated and is free of oil, grease, rolling compounds, incompatible primers, loose mill scale, dirt or other foreign substance capable of impairing bond of fireproofing with substrate under conditions of normal use of fire exposure.

18.6.2. Order of Performance: Vendor shall coordinate application of sprayed-on fireproofing with other, related work specified in other sections to comply with the following requirements to: prevent deterioration of sprayed-fireproofing for interior applications due to exposure to unfavorable environmental conditions; avoid unnecessary exposure of sprayed-on fireproofing to abrasion and other damage likely to occur during construction operations subsequent to its application; and to ensure that sprayed-fireproofing is installed prior to installation of enclosing or concealing work, with sufficient time allowed for inspection, testing and correction of defective fireproofing.

18.6.3. Method: Vendor shall apply fireproofing materials by sprayed-on method to maximum extent possible. Following spraying operation in each area, complete the coverage by trowel application or other placement method applicable to manufacturer.

18.7. Quality Control: Agency reserves the right to employ an independent testing laboratory to perform field quality control testing. Tests will be at the discretion of the Agency and will be performed to the extent that Agency deems necessary.

Vendor shall repair or replace fireproofing within areas where test results or general observation indicates fireproofing does not comply with requirements

Immediately upon completion of spraying operations in each containable area of the project, Vendor shall remove over-spray and fall-out of materials

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from Work Area surfaces and clean exposed surfaces to remove evidence of soiling.

19. CONDITIONS OF THE WORK:

19.1 Permits: The Vendor shall procure all necessary permits and licenses to comply with all applicable Federal, State, or Local laws, regulations, and ordinances of any regulating body.

19.2 Existing Conditions: If discrepancies are discovered between the existing conditions and those noted in the specifications, Vendor must immediately notify the Agency's representative. Vendor must also immediately notify the Agency if suspected hazardous materials are encountered.

19.3 Standard Work Hours: The standard hours of work for this Contract will be 7:00 AM. ET to 5:00 PM. ET. unless specified differently by the requesting Agency excluding holidays recognized by the State of West Virginia. Any work outside of the standard hours of work must be approved in advance at the Agency's sole discretion. Authorization of work outside of the standard hours of work will not entitle Vendor to additional compensation.

19.4 Project Closeout: Project Closeout shall include the following:

19.4.1 Final Cleanup: Vendor shall perform the final cleanup activities listed below, along with any other final cleanup activities normally associated with the work performed under this Contract, prior to final inspection:

19.4.2 Final Inspection: Vendor shall participate in a final inspection with the Agency's project manager. The purpose of the final inspection will be to identify deficiencies that need to be remedied prior to Agency's final acceptance of the work. Vendor shall always be obligated to perform in accordance with the Contract and must take all actions necessary to ensure that work complies with requirements of Contract prior to final acceptance. Final acceptance does not waive or release Vendor from its obligation to ensure that work complies with the Contract requirements. Vendor shall submit any warranty documents to the Owner/Agency project manager at final inspection.

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20. BOND REQUIREMENTS: (See Section 7 of the General Terms & Conditions):

20.1 BID BOND: Pursuant to the requirements contained in W. Va. Code § 5-22-1(c), All Vendors submitting a bid on a construction project shall furnish a valid bid bond in the amount of **five percent (5%)** of the total amount of the bid protecting the State of West Virginia. Bid Bond must be submitted with Bid.

20.2 PERFORMANCE BOND: The apparent successful Vendor shall provide a "Blanket" Performance Bond in the amount of **\$750,000.00**. This Blanket Bond will be used for all delivery orders issued against the Master Agreement and must be received by the Purchasing Division prior to Contract award.

20.3 LABOR/MATERIAL PAYMENT BOND: The apparent successful Vendor shall provide a "Blanket" Labor/Material Payment Bond in the amount of **\$750,000.00**. This Blanket Bond will be used for all delivery orders issued against the Master Agreement and must be received by the Purchasing Division prior to Contract award.

21. MISCELLANEOUS:

21.1 Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: Derek Sigman

Telephone Number: 304-552-8897

Fax Number: 304-343-5961

Email Address: dsigman@astarabatement.com

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Item/ Category Descriptions

ENTER ALL PRICING on ATTACHED PRICING PAGES NOT BELOW

Category 1 – Provide a price per linear foot for Abatement Services for 260 linear feet or less of pipe lagging in the following dimensions:

1 0	One-inch pipe, per linear foot	
1.1	Two-inch pipe, per linear foot	
1.2	Three-inch pipe, per linear foot	
1.3	Four-inch pipe, per linear foot	
1.4	Five-inch pipe, per linear foot	
1.5	Six-inch pipe, per linear foot	
1.6	Seven-inch pipe, per linear foot	
1.7	Eight-inch pipe, per linear foot	
1.8	Nine-inch pipe, per linear foot	
1.9	Ten-inch pipe, per linear foot	
1.10	Eleven-inch pipe, per linear foot	
1.11	Twelve-inch pipe, per linear foot	
1.12	Over twelve-inch pipe, per linear foot to 20 inches	

Category 2 – Provide a price per linear foot for Abatement Services for more than 260 linear feet of pipe lagging in the following dimensions:

2 0	One-inch pipe, per linear foot	
2.1	Two-inch pipe, per linear foot	
2.2	Three-inch pipe, per linear foot	
2.3	Four-inch pipe, per linear foot	
2.4	Five-inch pipe, per linear foot	
2.5	Six-inch pipe, per linear foot	
2.6	Seven-inch pipe, per linear foot	
2.7	Eight-inch pipe, per linear foot	
2.8	Nine-inch pipe, per linear foot	
2.9	Ten-inch pipe, per linear foot	
2.10	Eleven-inch pipe, per linear foot	
2.11	Twelve-inch pipe, per linear foot	
2.12	Over twelve-inch pipe, per linear foot to 20 inches	

**REQUEST FOR QUOTATION
CRFQ 0212 SWC2500000008
(CMA ABATMNT25)
Asbestos Abatement**

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Category 3 – Provide a price per square foot for Abatement Services related to the following types of asbestos materials in amounts of 260 square feet or less:

3.0	Floor tile, per square foot	
3.1	Floor tile with mastic, per square foot	
3.2	Spray-on fireproofing, per square foot	
3.3	Boiler and breeching insulation, per square foot	
3.4	Storage tank insulation, per square foot	
3.5	Ceiling or wall plaster, per square foot	
3.6	Transite type material, per square foot	
3.7	Roofing shingles, per square foot	
3.8	Roofing felts per square foot	
3.9	Roof flashing material, per square foot	
3.10	Roofing buildup material, per square foot	
3.11	Ceiling tile, per square foot	

Category 4 – Provide a price per square foot for Abatement Services related to the following types of asbestos material in amounts greater than 260 square feet:

4.0	Floor tile, per square foot	
4.1	Floor tile with mastic, per square foot	
4.2	Spray-on fireproofing, per square foot	
4.3	Spray-on fireproofing, greater than 3000 square feet	
4.4	Boiler and breeching insulation, per square foot	
4.5	Storage tank insulation, per square foot	
4.6	Ceiling or wall plaster, per square foot	
4.7	Transite type material, per square foot	
4.8	Roofing shingles, per square foot	
4.9	Roofing felts per square foot	
4.10	Roof flashing material, per square foot	
4.11	Roofing buildup material, per square foot	
4.12	Ceiling tile, per square foot	

REQUEST FOR QUOTATION
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(CMA ABATMNT25)
Asbestos Abatement

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Category 5 – Provide a unit price for the following:

5.0	Air samples, each	
5.1	Landfill disposal, per cubic yard	
5.2	Set of Air clearances, each	
5.3	Project Management, per hour	
5.4	Project Designer, per hour	
5.5	Inspector/Mgmt. Planner, per hour	
5.6	PLM (Asbestos Bulk Samples) 48-hour turn-around	
5.7	PLM (Asbestos Bulk Samples) Rush turn-around time	

Category 6 – Provide a price per square foot for the application of a bridging or a penetrating encapsulation in the amount of 260 square feet or less.

6.0	Bridging or a penetrating encapsulation <260 sq. ft.	
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Category 7 – Provide a price per square foot for the application of a bridging or a penetrating encapsulation in amounts greater than 260 square feet.

7.0	Bridging or a penetrating encapsulation >260 sq. ft.	
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Category 8 – The price for all pipefitting, such as ells, tees, valves, and flanges, shall be based on a factor of 1.5 of the linear foot cost for the appropriate size of pipe involved.

8.0	All pipefitting	1.5 X LF
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Category 9 – Insulation Unit Prices for Fitting Factors: All ells, tees, flanges, and valves shall be based on a factor of three times the linear foot cost for the appropriate size of the pipe involved.

9.0	All pipefitting insulation	3 X LF
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REQUEST FOR QUOTATION
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Asbestos Abatement

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Category 10 - Please provide a price per linear foot for 260 linear feet or less for insulating the following items with **TYPE 1** insulation.

Item	Insulation Size	(a) 1/2" thick	(b) 1" thick	(c) 1 1/2" thick	(d) 2" thick
10.0	1/2"				
10.1	3/4"				
10.2	1"				
10.3	1 1/2"				
10.4	2"				
10.5	2 1/2"				
10.6	3"				
10.7	4"				
10.8	5"				
10.9	6"				
10.10	8"	n/a			
10.11	10"	n/a			
10.12	12"	n/a			
10.13	14"	n/a			
10.14	16"	n/a			
10.15	18"	n/a			
10.16	20"	n/a			
10.17	24"	n/a			

**REQUEST FOR QUOTATION
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Asbestos Abatement**

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Category 11 – Please provide a price per linear foot for greater than 260 linear feet for insulating the following items with **TYPE 1** insulation.

Item	Insulation Size	(a) 1/2" thick	(b) 1" thick	(c) 1 1/2" thick	(d) 2" thick
11.0	1/2"				
11.1	3/4"				
11.2	1"				
11.3	1 1/2"				
11.4	2"				
11.5	2 1/2"				
11.6	3"				
11.7	4"				
11.8	5"				
11.9	6"				
11.10	8"	n/a			
11.11	10"	n/a			
11.12	12"	n/a			
11.13	14"	n/a			
11.14	16"	n/a			
11.15	18"	n/a			
11.16	20"	n/a			
11.17	24"	n/a			

Category 12 – NOT USED

REQUEST FOR QUOTATION
CRFQ 0212 SWC2500000008
(CMA ABATMNT25)
Asbestos Abatement

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Category 13 - Please provide a price per linear foot for 260 linear feet or less for insulating the following items with **TYPE 2** insulation.

Item	Insulation Size	(a) 1/2" thick	(b) 1" thick	(c) 1 1/2" thick	(d) 2" thick
13.0	1/2"				
13.1	3/4"				
13.2	1"				
13.3	1 1/2"				
13.4	2"				
13.5	2 1/2"				
13.6	3"				

Category 14 – Please provide a price per linear foot for more than 260 linear feet for insulating the following items with **TYPE 2** insulation.

Item	Insulation Size	(a) 1/2" thick	(b) 1" thick	(c) 1 1/2" thick	(d) 2" thick
14.0	1/2"				
14.1	3/4"				
14.2	1"				
14.3	1 1/2"				
14.4	2"				
14.5	2 1/2"				
14.6	3"				

Category 15 – Please provide unit prices per square foot for the insulation of square HVAC supply or return air ductwork in amounts of 260 square feet or less with **TYPE 3** insulation.

Item	Insulation Thickness	HVAC SUPPLY & RETURN AIR DUCT
15.0	1 1/2" Thick	

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Category 16 – Please provide unit prices per square foot for the insulation of square HVAC supply or return air ductwork in amounts of more than 260 square feet with **TYPE 3** insulation.

Item	Insulation Thickness	HVAC SUPPLY & RETURN AIR DUCT
16.0	1 1/2" Thick	

Category 17 – Please provide unit prices per square foot for the insulation of square HVAC supply or return air ductwork in amounts of 260 square feet or less with **TYPE 4** insulation.

Item	Insulation Thickness	HVAC SUPPLY & RETURN AIR DUCT
17.0	1 1/2" Thick	

Category 18 – Please provide unit prices per square foot for the insulation of square HVAC supply or return air ductwork in amounts of more than 260 square feet with **TYPE 4** insulation.

Item	Insulation Thickness	HVAC SUPPLY & RETURN AIR DUCT
18.0	1 1/2" Thick	

Category 19 – NOT USED

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(CMA ABATMNT25)
Asbestos Abatement

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Category 20 – Please provide unit prices per square foot for the insulation of boilers, tanks, and breeching in amounts of 260 square feet or less with **TYPE 6** insulation with 3 lb. fiberglass and **ASJ or FSK finish**.

Item	Insulation Thickness	(a) Shell Surface	(b) Bottom & Horz. Heads	(c) Top Heads
20.0	1" Thick			
20.1	1 1/2" Thick			
20.2	2" Thick			

Category 21 – Please provide unit prices per square foot for the insulation of boilers, tanks, and breeching in amounts of greater than 260 square feet with **TYPE 6** insulation.

Item	Insulation Thickness	(a) Shell Surface	(b) Bottom & Horz. Heads	(c) Top Heads
21.1	1" Thick			
21.2	1 1/2" Thick			
21.3	2" Thick			

Category 22 – Please provide unit prices per square foot for the insulation of boilers, tanks, breeching in amounts of 260 square feet or less with **TYPE 7** insulation.

Item	Insulation Thickness	(a) Shell Surface	(b) Bottom & Horz. Heads	(c) Top Heads
22.0	1" Thick			
22.1	1 1/2" Thick			
22.2	2" Thick			

Category 23 – Please provide unit prices per square foot for the insulation of boilers, tanks, breeching in amounts greater than 260 square feet with **TYPE 7** insulation.

Item	Insulation Thickness	(a) Shell Surface	(b) Bottom & Horz. Heads	(c) Top Heads
23.0	1" Thick			
23.1	1 1/2" Thick			
23.2	2" Thick			

REQUEST FOR QUOTATION
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Asbestos Abatement

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Category 24 – Please provide unit prices per square foot for cementitious fireproofing on support steel beams and floor decking for amounts of 260 square feet or less.

Item	Insulation Thickness	FIREPROOFING “MONKOTE” OR EQUAL
24.0	1” Thick	

Category 25 – Please provide unit prices per square foot for cementitious fireproofing on support steel beams and floor decking for amounts greater than 260 square feet.

Item	Insulation Thickness	FIREPROOFING “MONKOTE” OR EQUAL
25.0	1” Thick	

Category 26 – Please provide unit prices per square foot for contaminated carpet removal.

Item	Contaminated Carpet Removal	
26.0	Per Sq. Foot	

Category 27 – Please provide unit prices per square foot for linoleum removal.

Item	Linoleum Removal	
27.0	Per Sq. Foot	

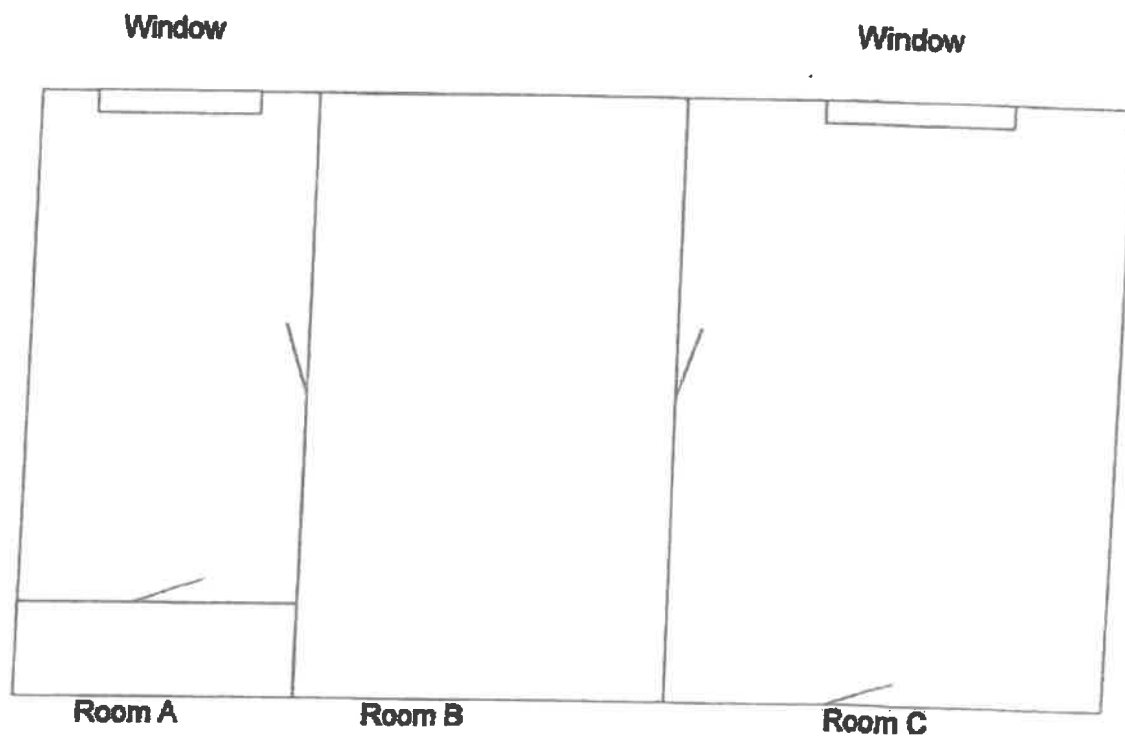
BID SCENARIO NUMBER 1

Remove carpet and abate tile and mastic in three office spaces.

Room A is 10 feet by 15 feet.

Room B is 20 feet by 12 feet.

Room C is 21 feet by 14 feet.



The area is on the third floor of a six story building. The area around the offices is occupied during normal working hours.

BID SCENARIO NUMBER 2

We are requesting bids for the abatement, disposal and re-insulation of Mechanical Room #12 in building 62. The abatement project consists of:

- 980 square feet of $\frac{3}{4}$ inch sheet insulation on the air handler
- 420 square feet of 1 inch sheet insulation on the vent ducting

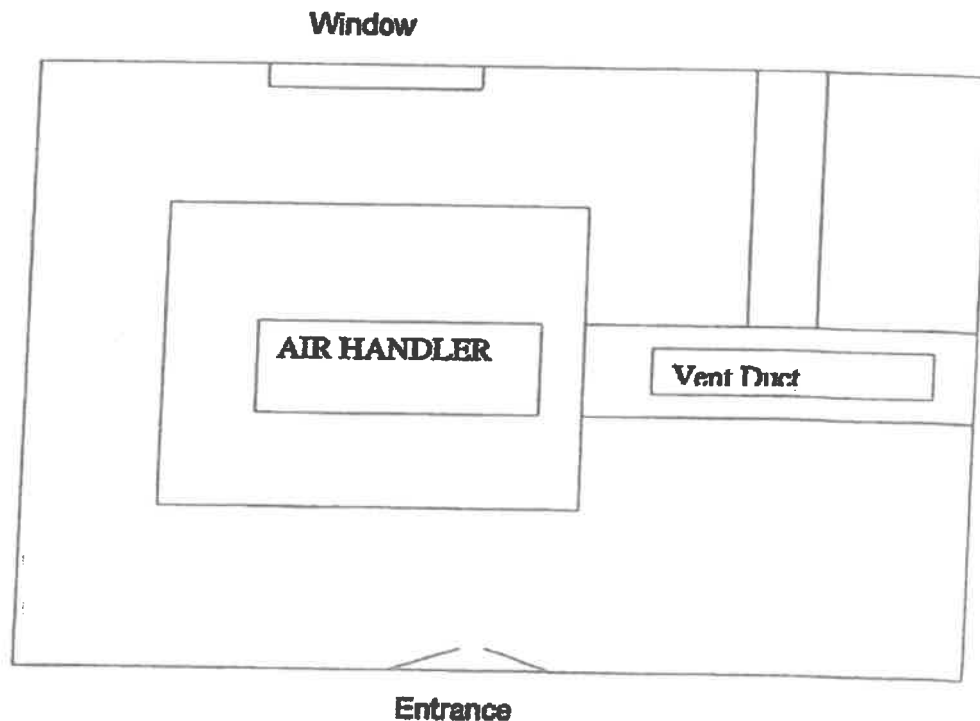
Chill water piping

- 89 linear feet of 2" piping
- 120 linear feet of 1" piping
- 115 linear feet of 4" piping

Steam piping:

- 32 linear feet of 12" piping 1" thick TSI
- 295 linear feet of 24" piping 2" thick TSI
- 1" tee connections - 15
- 1" valves - 6
- 1" elbows - 10
- 2" elbows - 4
- 2" valves - 2
- 4" elbows - 4
- 4" tees - 2
- 12" elbows - 2
- 24" elbows - 2

All piping and air handler areas are fully accessible. The piping runs from the air handler to the ceiling which is 16 feet high.



BID SCENARIO NUMBER 3

We are requesting bids for the abatement, disposal and re-insulation of Building 62 12th floor Mechanical Room. The abatement project consists of:

11,000 square feet of spray-on insulation
 985 square feet of sheet insulation on air handler # 1
 765 square feet of sheet insulation on air handler # 2
 685 square feet of sheet insulation on air handler # 3

Chill water piping:

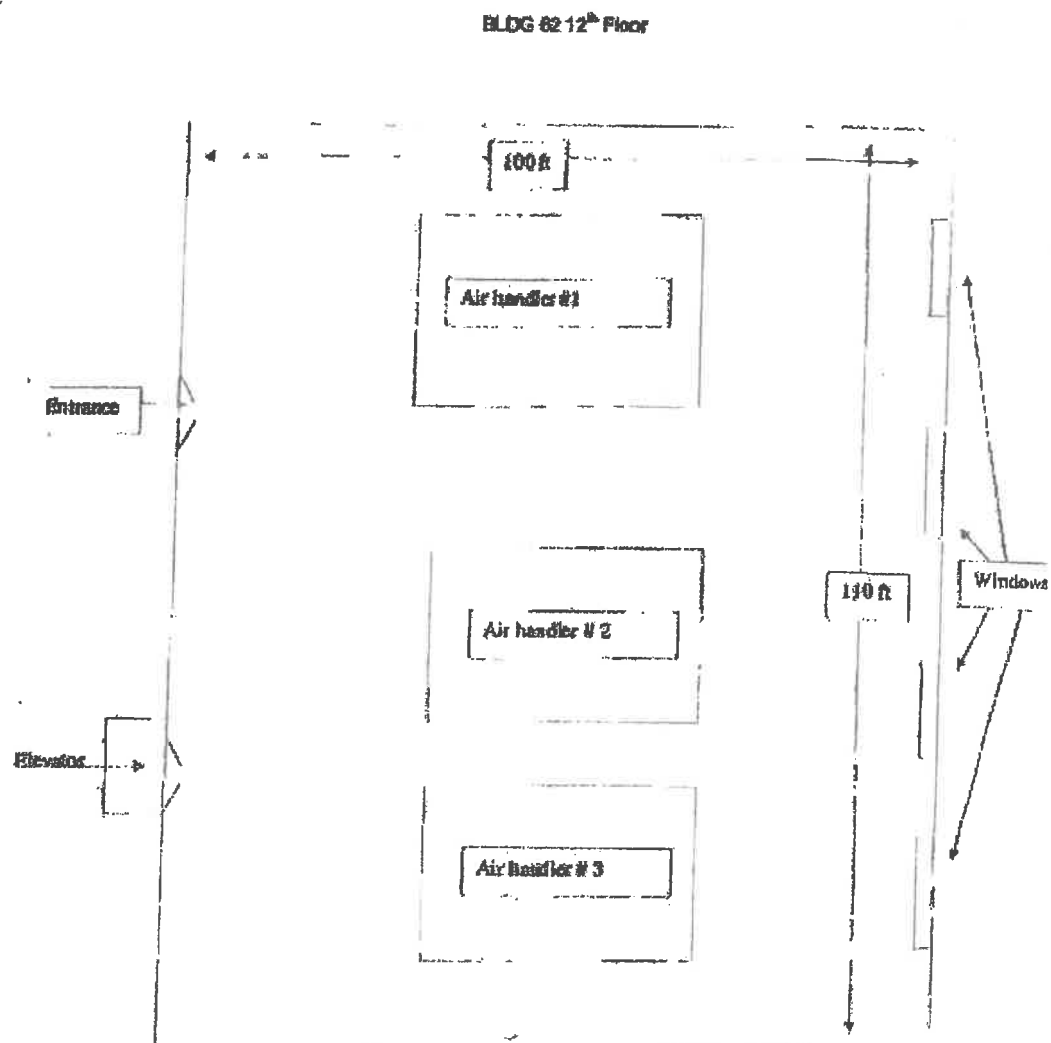
175 linear feet of 1" piping
 1" tee – 8
 1" valves – 18
 1" elbows – 24
 85 linear feet of 6" piping
 6" valves – 6
 6" tees – 4
 6" elbows – 8
 155 linear feet of 2" piping
 2" tees – 9
 2" elbows – 16
 2" valves – 6

Steam Piping:

80 linear feet of 12" piping
 12" elbows – 4
 12" valves – 2
 140 linear feet of 8" piping
 8" elbows – 12
 8" tees – 6
 8" valves – 4

The ceiling is 20 feet high. Steam piping is suspended from the ceiling and is easily accessible. Chill water piping is connected to the air handler unit and run up to the ceiling and is accessible. The area can be secured during the abatement project but must be done at night when tenants are not at work. The air handler units will be shut down. See general layout on the following page.

REQUEST FOR QUOTATION
Asbestos Abatement



Revised 10/27/2014

EXHIBIT_A	CMA 0212 ABATMNT25						
Specification	ASSESSMENT FEE**	Unit of Measure	Estimated Quantity (Per Year)		Unit Price		Extended Total
3.1.1	Trip/Travel Fee for Initial Assessment	EACH		x	\$ 5.00	=	\$ -

** Assessment Fee for Initial (One-Time, On-Site Visit) Assessment/Inspection. (May only be charged for One (1) visit to location and if any additional visits are required, will be at vendor's expense).

Exhibit_A

CMA 0212 ABATMNT25

BID SCENARIO #1	Unit Price Category	Description	Unit of Measure	Scenario Quantity		Unit Price		Extended Total
Rooms A, B & C	26.0	Contaminated Carpet Removal, per square foot	Square Foot		x	\$ 0.90	=	\$ -
Rooms A, B & C	4.1	Floor Tile with mastic, per square foot (over 260 sq ft)	Square Foot		x	\$ 2.95	=	\$ -
Total Air Samples	5.0	Air Samples, each	Each		x	\$ 10.00	=	\$ -
Disposal	5.1	Landfill disposal, per cubic yard	Cubic Yard		x	\$ 55.00	=	\$ -
Air Clearances	5.2	Set of Air Clearances, each	Each		x	\$ 300.00	=	\$ -
Project Management	5.3	Project Management, per hour	per Hour		x	\$ 40.00	=	\$ -
Project Design	5.4	Project Designer, per hour	per Hour		x	\$ 40.00	=	\$ -
						BID SCENARIO #1 SUBTOTAL	=	\$ -

Exhibit_A

CMA 0212 ABATMNT25

BID SCENARIO #2	Unit Price Category	Description	Unit of Measure	Scenario Quantity	Unit Price	Extended Total
Air Handler Abatement	4.4	Removing 3/4" sheet insulation on air handler, per sq ft	Square Foot	x	\$ 1.25	= \$ -
Air Handler Re-insulation	21.1.a	Insulating air handler with 1" Type 6 insulation, per sq ft	Square Foot	x	\$ 1.71	= \$ -
Vent Ducting Abatement	4.4	Removing 1" sheet insulation on vent ductwork, per sq ft	Square Foot	x	\$ 1.25	= \$ -
Vent Ducting Re-insulation	16.0	Insulating ductwork with 1-1/2" Type 3 insulation, per sq ft	Square Foot	x	\$ 1.85	= \$ -
STRAIGHT PIPING ABATEMENT AND RE-INSULATION						
Removal - 1" CW Piping	1.0	One inch pipe, per linear foot	Linear Foot	x	\$ 7.00	= \$ -
Removal - 2" CW Piping	1.1	Two inch pipe, per linear foot	Linear Foot	x	\$ 7.10	= \$ -
Removal - 4" CW Piping	1.3	Four inch pipe, per linear foot	Linear Foot	x	\$ 7.30	= \$ -
Removal - 12" Steam Piping	1.11	Twelve inch pipe, per linear foot	Linear Foot	x	\$ 8.00	= \$ -
Removal - 24" Steam Piping	2.12	Over twelve inch pipe, per linear foot to 24 inches	Linear Foot	x	\$ 4.80	= \$ -
Re-insulate - 1" CW Piping	10.2.b	Reinsulate with Type 1 Insulation, 1" thick	Linear Foot	x	\$ 2.00	= \$ -
Re-insulate - 2" CW Piping	10.4.b	Reinsulate with Type 1 Insulation, 1" thick	Linear Foot	x	\$ 2.20	= \$ -
Re-insulate - 4" CW Piping	10.7.b	Reinsulate with Type 1 Insulation, 1" thick	Linear Foot	x	\$ 2.60	= \$ -
Re-insulate - 12" Steam Piping	10.12.b	Reinsulate with Type 1 Insulation, 1" thick	Linear Foot	x	\$ 4.50	= \$ -
Re-insulate - 24" Steam Piping	11.17.b	Reinsulate with Type 1 Insulation, 1" thick	Linear Foot	x	\$ 4.85	= \$ -
PIPEFITTING ABATEMENT AND REINSULATION (Reinsulation to be all Type 1, 1" thick)						
Removal - 1" Pipefittings	8.0 (factor of 1.5)	15 Tees, 6 Valves, 10 Elbows (Category 2.0 times factor)	Linear Foot	x	\$ 6.75	= \$ -
Removal - 2" Pipefittings	8.0 (factor of 1.5)	4 Elbows, 2 Valves (Category 2.1 times factor)	Linear Foot	x	\$ 6.75	= \$ -
Removal - 4" Pipefittings	8.0 (factor of 1.5)	4 Elbows, 2 Tees (Category 2.3 times factor)	Linear Foot	x	\$ 6.83	= \$ -
Removal - 12" Pipefittings	8.0 (factor of 1.5)	2 Elbows (Category 2.11 times factor)	Linear Foot	x	\$ 7.13	= \$ -
Removal - 24" Pipefittings	8.0 (factor of 1.5)	2 Elbows (Category 2.12 times factor)	Linear Foot	x	\$ 7.20	= \$ -
Re-insulate - 1" Pipefittings	9.0 (factor of 3.0)	15 Tees, 6 Valves, 10 Elbows (Category 11.2.b times factor)	Linear Foot	x	\$ 5.58	= \$ -
Re-insulate - 2" Pipefittings	9.0 (factor of 3.0)	4 Elbows, 2 Valves (Category 11.4.b times factor)	Linear Foot	x	\$ 6.12	= \$ -
Re-insulate - 4" Pipefittings	9.0 (factor of 3.0)	4 Elbows, 2 Tees (Category 11.7.b times factor)	Linear Foot	x	\$ 7.56	= \$ -
Re-insulate - 12" Pipefittings	9.0 (factor of 3.0)	2 Elbows (Category 11.12.b times factor)	Linear Foot	x	\$ 9.63	= \$ -
Re-insulate - 24" Pipefittings	9.0 (factor of 3.0)	2 Elbows (Category 11.17.b times factor)	Linear Foot	x	\$ 14.55	= \$ -
Air Samples	5.0	Air Samples, each	Each	x	\$ 10.00	= \$ -
Disposal	5.1	Landfill disposal, per cubic yard	Cubic Yard	x	\$ 55.00	= \$ -
Air Clearances	5.2	Set of Air Clearances, each	Each	x	\$ 300.00	= \$ -
Project Management	5.3	Project Management, per hour	per Hour	x	\$ 40.00	= \$ -
Project Design	5.4	Project Designer, per hour	per Hour	x	\$ 40.00	= \$ -
BID SCENARIO #2 SUBTOTAL					=	\$ -

Exhibit A

CMA 0212 ABATMNT25

BID SCENARIO #3	Unit Price Category	Description	Unit of Measure	Scenario Quantity		Unit Price		Extended Total
Spray-on Insulation	4.3	Removal from steel structural members, per square foot	Square Foot		x	\$ 0.75	=	\$ -
Re-fireproofing	25.0	Cementitious fireproofing re-applied to steel members	Square Foot		x	\$ 2.03	=	\$ -
Air Handler Abatement	4.4	Removing sheet insulation on three air handlers, per sq ft	Square Foot		x	\$ 1.25	=	\$ -
Air Handler Re-insulation	21.1.a	Insulating air handlers with 1" Type 6 insulation, per sq ft	Square Foot		x	\$ 1.71	=	\$ -
STRAIGHT PIPING ABATEMENT AND RE-INSULATION								
Removal - 1" CW Piping	1.0	One inch pipe, per linear foot	Linear Foot		x	\$ 7.00	=	\$ -
Removal - 2" CW Piping	1.1	Two inch pipe, per linear foot	Linear Foot		x	\$ 7.10	=	\$ -
Removal - 6" CW Piping	1.5	Six inch pipe, per linear foot	Linear Foot		x	\$ 7.50	=	\$ -
Removal - 8" Steam Piping	1.7	Eight inch pipe, per linear foot	Linear Foot		x	\$ 7.70	=	\$ -
Removal - 12" Steam Piping	1.11	Twelve inch pipe, per linear foot	Linear Foot		x	\$ 8.00	=	\$ -
Re-insulate - 1" CW Piping	10.2.c	Reinsulate with Type 1 Insulation, 1-1/2" thick	Linear Foot		x	\$ 3.20	=	\$ -
Re-insulate - 2" CW Piping	10.4.c	Reinsulate with Type 1 Insulation, 1-1/2" thick	Linear Foot		x	\$ 3.50	=	\$ -
Re-insulate - 6" CW Piping	10.9.c	Reinsulate with Type 1 Insulation, 1-1/2" thick	Linear Foot		x	\$ 3.75	=	\$ -
Re-insulate - 8" Steam Piping	10.10.c	Reinsulate with Type 1 Insulation, 1-1/2" thick	Linear Foot		x	\$ 3.85	=	\$ -
Re-insulate - 12" Steam Piping	10.12.c	Reinsulate with Type 1 Insulation, 1-1/2" thick	Linear Foot		x	\$ 4.70	=	\$ -

PIPEFITTING ABATEMENT AND REINSULATION (Reinsulation to be al Type 1, 1-1/2" thick)									
Removal - 1" Pipefittings	8.0 (factor of 1.5)	8 Tees, 16 Valves, 24 Elbows (Category 2.0 times factor)	Linear Foot		x	\$	6.75	=	\$ -
Removal - 2" Pipefittings	8.0 (factor of 1.5)	9 Tees, 6 Valves, 16 Elbows (Category 2.1 times factor)	Linear Foot		x	\$	6.75	=	\$ -
Removal - 6" Pipefittings	8.0 (factor of 1.5)	4 Tees, 6 Valves, 8 Elbows (Category 2.5 times factor)	Linear Foot		x	\$	6.90	=	\$ -
Removal - 8" Pipefittings	8.0 (factor of 1.5)	6 Tees, 4 Valves, 12 Elbows (Category 2.7 times factor)	Linear Foot		x	\$	6.90	=	\$ -
Removal - 12" Pipefittings	8.0 (factor of 1.5)	2 Valves, 4 Elbows (Category 2.11 times factor)	Linear Foot		x	\$	7.13	=	\$ -
Re-insulate - 1" Pipefittings	9.0 (factor of 3.0)	8 Tees, 16 Valves, 24 Elbows (Category 11.2.c times factor)	Linear Foot		x	\$	6.60	=	\$ -
Re-insulate - 2" Pipefittings	9.0 (factor of 3.0)	9 Tees, 6 Valves, 16 Elbows (Category 11.4.c times factor)	Linear Foot		x	\$	7.26	=	\$ -
Re-insulate - 6" Pipefittings	9.0 (factor of 3.0)	4 Tees, 6 Valves, 8 Elbows (Category 11.9.c times factor)	Linear Foot		x	\$	8.58	=	\$ -
Re-insulate - 8" Pipefittings	9.0 (factor of 3.0)	6 Tees, 4 Valves, 12 Elbows (Category 11.10.c times factor)	Linear Foot		x	\$	8.88	=	\$ -
Re-insulate - 12" Pipefittings	9.0 (factor of 3.0)	2 Valves, 4 Elbows (Category 11.12.c times factor)	Linear Foot		x	\$	10.20	=	\$ -
Air Samples	5.0	Air Samples, each	Each		x	\$	10.00	=	\$ -
Disposal	5.1	Landfill disposal, per cubic yard	Cubic Yard		x	\$	55.00	=	\$ -
Air Clearances	5.2	Set of Air Clearances, each	Each		x	\$	300.00	=	\$ -
Project Management	5.3	Project Management, per hour	per Hour		x	\$	40.00	=	\$ -
Project Design	5.4	Project Designer, per hour	per Hour		x	\$	40.00	=	\$ -
Inspector/Mgmt, Planner	5.5	Planner, per hour	per Hour		x	\$	55.00	=	\$ -
PLM, 48hr Turnaround	5.6	Asbestos Bulk Samples, each	Each		x	\$	20.00	=	\$ -
PLM, Rush turn around time	5.7	Asbestos Bulk Samples, each	Each		x	\$	30.00	=	\$ -
			BID SCENARIO #3 SUBTOTAL				=	\$	-

Exhibit_A

UNIT PRICES PRICING PAGES

CMA 0212 ABATMNT25

Category 1: Abatement of 1-260 linear feet of pipe lagging

Sub-category	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7
Unit Price	\$ 7.00	\$ 7.10	\$ 7.20	\$ 7.30	\$ 7.40	\$ 7.50	\$ 7.60	\$ 7.70
Sub-category	1.8	1.9	1.10	1.11	1.12			
Unit Price	\$ 7.80	\$ 7.90	\$ 8.00	\$ 8.00	\$ 12.50			

Category 2: Abatement of more than 260 linear feet of pipe lagging

Sub-category	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7
Unit Price	\$ 4.50	\$ 4.50	\$ 4.55	\$ 4.55	\$ 4.55	\$ 4.60	\$ 4.60	\$ 4.60
Sub-category	2.8	2.9	2.10	2.11	2.12			
Unit Price	\$ 4.60	\$ 4.65	\$ 4.70	\$ 4.75	\$ 4.80			

Category 3: Abatement of materials, 1-260 square feet

Sub-category	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7
Unit Price	\$ 4.50	\$ 7.85	\$ 9.75	\$ 8.50	\$ 8.25	\$ 8.75	\$ 7.75	\$ 8.60
Sub-category	3.8	3.9	3.10	3.11				
Unit Price	\$ 8.45	\$ 8.75	\$ 9.75	\$ 6.80				

Category 4: Abatement of materials, more than 260 square feet

Sub-category	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7
Unit Price	\$ 2.60	\$ 2.95	\$ 6.50	\$ 0.75	\$ 1.25	\$ 3.75	\$ 9.65	\$ 6.50
Sub-category	4.8	4.9	4.10	4.11	4.12			
Unit Price	\$ 7.30	\$ 7.20	\$ 7.78	\$ 7.95	\$ 6.45			

Category 5: Miscellaneous (Sampling, Air Clearances, Management, etc)

Sub-category	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7
Unit Price	\$ 10.00	\$ 55.00	\$ 300.00	\$ 40.00	\$ 40.00	\$ 55.00	\$ 20.00	\$ 30.00

Category 6: Bridging/penetrating encapsulation, 1-260 sq ft

Sub-category	6.0
Unit Price	\$ 6.90

Category 8: Abatement for pipefittings

Sub-category	8.0
Factor of 1.5	x Linear Foot Cost

Category 7: Bridging/penetrating encapsulation, more than 260 sq ft

Sub-category	7.0
Unit Price	\$ 6.85

Category 9: Pipefitting Insulation

Sub-category	9.0
Factor of 3.0	x Linear Foot Cost

Category 10: Pipe Insulation, 1-260 linear feet, Type 1

Sub-category	10.0.a	10.0.b	10.0.c	10.0.d	10.1.a	10.1.b	10.1.c	10.1.d
Unit Price	\$ 1.60	\$ 1.80	\$ 2.60	\$ 3.30	\$ 1.65	\$ 1.90	\$ 2.80	\$ 3.40
Sub-category	10.2.a	10.2.b	10.2.c	10.2.d	10.3.a	10.3.b	10.3.c	10.3.d
Unit Price	\$ 1.70	\$ 2.00	\$ 3.20	\$ 3.60	\$ 1.75	\$ 2.15	\$ 3.40	\$ 3.70
Sub-category	10.4.a	10.4.b	10.4.c	10.4.d	10.5.a	10.5.b	10.5.c	10.5.d
Unit Price	\$ 1.80	\$ 2.20	\$ 3.50	\$ 3.80	\$ 1.90	\$ 2.30	\$ 3.55	\$ 3.85
Sub-category	10.6.a	10.6.b	10.6.c	10.6.d	10.7.a	10.7.b	10.7.c	10.7.d
Unit Price	\$ 1.95	\$ 2.35	\$ 3.60	\$ 3.95	\$ 2.00	\$ 2.60	\$ 3.65	\$ 4.10
Sub-category	10.8.a	10.8.b	10.8.c	10.8.d	10.9.a	10.9.b	10.9.c	10.9.d
Unit Price	\$ 2.05	\$ 2.75	\$ 3.70	\$ 4.20	\$ 2.15	\$ 2.80	\$ 3.75	\$ 4.30
Sub-category	10.10.b	10.10.c	10.10.d	10.11.b	10.11.c	10.11.d	10.12.b	10.12.c
Unit Price	\$ 3.25	\$ 3.85	\$ 4.40	\$ 3.75	\$ 3.90	\$ 4.60	\$ 4.50	\$ 4.70
Sub-category	10.12.d	10.13.b	10.13.c	10.13.d	10.14.b	10.14.c	10.14.d	10.15.b
Unit Price	\$ 5.10	\$ 4.60	\$ 4.80	\$ 5.30	\$ 4.80	\$ 4.95	\$ 5.65	\$ 5.00
Sub-category	10.15.c	10.15.d	10.16.b	10.16.c	10.16.d	10.17.b	10.17.c	10.17.d
Unit Price	\$ 5.70	\$ 5.90	\$ 6.20	\$ 6.40	\$ 7.50	\$ 7.50	\$ 7.60	\$ 8.20

Category 11: Pipe Insulation, more than 260 linear feet, Type 1

Sub-category	11.0.a	11.0.b	11.0.c	11.0.d	11.1.a	11.1.b	11.1.c	11.1.d
Unit Price	\$ 1.55	\$ 1.70	\$ 1.95	\$ 2.27	\$ 1.60	\$ 1.78	\$ 2.15	\$ 2.31
Sub-category	11.2.a	11.2.b	11.2.c	11.2.d	11.3.a	11.3.b	11.3.c	11.3.d
Unit Price	\$ 1.65	\$ 1.86	\$ 2.20	\$ 2.38	\$ 1.70	\$ 1.93	\$ 2.35	\$ 2.46
Sub-category	11.4.a	11.4.b	11.4.c	11.4.d	11.5.a	11.5.b	11.5.c	11.5.d
Unit Price	\$ 1.75	\$ 2.04	\$ 2.42	\$ 2.54	\$ 1.80	\$ 2.38	\$ 2.53	\$ 2.62
Sub-category	11.6.a	11.6.b	11.6.c	11.6.d	11.7.a	11.7.b	11.7.c	11.7.d
Unit Price	\$ 1.85	\$ 2.44	\$ 2.59	\$ 2.74	\$ 1.90	\$ 2.52	\$ 2.63	\$ 2.89
Sub-category	11.8.a	11.8.b	11.8.c	11.8.d	11.9.a	11.9.b	11.9.c	11.9.d
Unit Price	\$ 1.95	\$ 2.65	\$ 2.74	\$ 2.94	\$ 2.00	\$ 2.77	\$ 2.86	\$ 3.12
Sub-category	11.10.b	11.10.c	11.10.d	11.11.b	11.11.c	11.11.d	11.12.b	11.12.c
Unit Price	\$ 2.89	\$ 2.96	\$ 3.21	\$ 3.04	\$ 3.13	\$ 3.29	\$ 3.21	\$ 3.40
Sub-category	11.12.d	11.13.b	11.13.c	11.13.d	11.14.b	11.14.c	11.14.d	11.15.b
Unit Price	\$ 3.52	\$ 3.39	\$ 3.51	\$ 3.68	\$ 3.58	\$ 3.72	\$ 3.84	\$ 3.87
Sub-category	11.15.c	11.15.d	11.16.b	11.16.c	11.16.d	11.17.b	11.17.c	11.17.d
Unit Price	\$ 3.97	\$ 4.17	\$ 4.22	\$ 4.38	\$ 4.59	\$ 4.85	\$ 5.11	\$ 5.30

Category 13: Pipe Insulation, 1-260 linear feet, Type 2

Sub-category	13.0.a	13.0.b	13.0.c	13.0.d	13.1.a	13.1.b	13.1.c	13.1.c
Unit Price	\$ 3.00	\$ 4.00	\$ 7.75	\$ 8.25	\$ 3.10	\$ 4.25	\$ 8.00	\$ 8.50
Sub-category	13.2.a	13.2.b	13.2.c	13.2.d	13.3.a	13.3.b	13.3.c	13.3.d
Unit Price	\$ 3.25	\$ 4.50	\$ 8.30	\$ 8.60	\$ 3.40	\$ 5.00	\$ 8.80	\$ 9.00
Sub-category	13.4.a	13.4.b	13.4.c	13.4.d	13.5.a	13.5.b	13.5.c	13.5.d
Unit Price	\$ 4.00	\$ 5.50	\$ 9.60	\$ 9.75	\$ 4.40	\$ 6.75	\$ 10.25	\$ 10.50
Sub-category	13.6.a	13.6.b	13.6.c	13.6.d				
Unit Price	\$ 4.65	\$ 7.25	\$ 11.90	\$ 12.25				

Category 14: Pipe Insulation, more than 260 linear feet, Type 2

Sub-category	14.0.a	14.0.b	14.0.c	14.0.d	14.1.a	14.1.b	14.1.c	14.1.d
Unit Price	\$ 2.90	\$ 3.80	\$ 7.40	\$ 7.90	\$ 3.00	\$ 4.10	\$ 7.40	\$ 8.00
Sub-category	14.2.a	14.2.b	14.2.c	14.2.d	14.3.a	14.3.b	14.3.c	14.3.d
Unit Price	\$ 3.20	\$ 4.20	\$ 8.00	\$ 8.40	\$ 3.20	\$ 4.70	\$ 8.00	\$ 8.75
Sub-category	14.4.a	14.4.b	14.4.c	14.4.d	14.5.a	14.5.b	14.5.c	14.5.d
Unit Price	\$ 3.90	\$ 5.00	\$ 9.00	\$ 9.25	\$ 4.00	\$ 6.00	\$ 9.80	\$ 10.00
Sub-category	14.6.a	14.6.b	14.6.c	14.6.d				
Unit Price	\$ 4.40	\$ 7.00	\$ 11.30	\$ 11.75				

Category 15: HVAC Supply/Return Ductwork, 1-260 square feet, Type 3

Sub-category	15.0
Unit Price	\$ 6.75

Category 16: HVAC Supply/Return Ductwork, more than 260 square feet, Type 3

Sub-category	16.0
Unit Price	\$ 1.85

Category 17: HVAC Supply/Return Ductwork, 1-260 square feet, Type 4

Sub-category	17.0
Unit Price	\$ 7.85

Category 18: HVAC Supply/Return Ductwork, more than 260 square feet, Type 4

Sub-category	18.0
Unit Price	\$ 7.75

Category 20: Insulation of boilers, tanks and breeching, 1-260 square feet, Type 6

Sub-category	20.0.a	20.0.b	20.0.c	20.1.a	20.1.b	20.1.c	20.2.a	20.2.b
Unit Price	\$ 2.68	\$ 4.80	\$ 4.78	\$ 3.18	\$ 5.65	\$ 5.74	\$ 4.42	\$ 6.29
Sub-category	20.2.c							
Unit Price	\$ 6.39							

Category 21: Insulation of boilers, tanks and breeching, more than 260 square feet, Type 6

Sub-category	21.1.a	21.1.b	21.1.c	21.2.a	21.2.b	21.2.c	21.3.a	21.3.b
Unit Price	\$ 1.71	\$ 4.72	\$ 4.60	\$ 3.89	\$ 5.48	\$ 5.58	\$ 4.29	\$ 5.89
Sub-category	21.3.d							
Unit Price	\$ 6.12							

Category 22: Insulation of boilers, tanks and breeching, 1-260 square feet, Type 7

Sub-category	22.0.a	22.0.b	22.0.c	22.1.a	22.1.b	22.1.c	22.2.a	22.2.b
Unit Price	\$ 5.34	\$ 11.68	\$ 10.40	\$ 5.76	\$ 14.40	\$ 11.16	\$ 6.22	\$ 14.50
Sub-category	22.2.c							
Unit Price	\$ 9.68							

Category 23: Insulation of boilers, tanks and breeching, more than 260 square feet, Type 7

Sub-category	23.0.a	23.0.b	23.0.c	23.1.a	23.1.b	23.1.c	23.2.a	23.2.b
Unit Price	\$ 4.96	\$ 11.20	\$ 9.70	\$ 5.48	\$ 11.80	\$ 10.20	\$ 5.67	\$ 12.80
Sub-category	23.2.c							
Unit Price	\$ 9.47							

Category 24: Cementitious Fireproofing on steel beams/decking, 1-260 square feet

Sub-category	24.0
Unit Price	\$ 9.75

Category 26: Contaminated Carpet Removal per square foot

Sub-category	26.0
Unit Price	\$ 0.90

Category 25: Cementitious Fireproofing on steel beams/decking, more than 260 square feet

Sub-category	25.0
Unit Price	\$ 2.03

Category 27: Linoleum Removal per square foot

Sub-category	27.0
Unit Price	\$ 8.25

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