

January 14, 2022

UV REPLACEMENT AT HAVERSTRAW ELEMENTARY SCHOOL

MSA File No. 41048

North Rockland High School

SED No. 50-02-01-06-0-009-018

NOTICE TO BIDDERS

Re: ADDENDUM NO. 1

THE FOLLOWING REVISIONS TO THE PROJECT MANUAL AND OR THE DRAWINGS REFERENCED HEREIN SHALL BECOME A PART OF THE CONTRACT DOCUMENTS AND SHALL SUPERSEDE ANY PRIOR OR CONFLICTING INFORMATION.

- 1) SEALED BIDS will be received until 2:00 P.M. in the office of facilities, on the 20th of January 2022, at the North Rockland Central School District, 65 Chapel Street, Garnerville, NY 10923, at which time and place they will be publicly opened and read. Faxed bids will NOT be accepted. Bids must be in sealed envelope(s) approximately labeled with the following label:
"UV Replacement at Haverstraw Elementary School – General Construction"
"UV Replacement at Haverstraw Elementary School – Mechanical Construction"
"UV Replacement at Haverstraw Elementary School – Electrical Construction"
- 2) Equipment schedule shows the VRF's CU-1 to CU-12, Roof Plan drawing M-104, CU-5 is omitted from this drawing.
Answer: CU-5, is not located the roof, but on grade. See drawings M-101 and M-301 for the proposed location.
- 3) Provide milestone for this project.
Answer: Refer to Bid Form – General Construction section 1.02 Time of Completion. It is agreed by the undersigned that after receipt of Notice of Award and a consummation of a Contract Agreement in accord with the terms of the Contract Documents, he will start work on June 27, 2022. Substantial completion will be August 19, 2022. The punch list work will be completed by September 16, 2022 and performed after school hours.
- 4) The GC Bid Form – "Total Project" cost line says – "Total Project Mechanical". The MC Bid Form – "Total Project" cost line – says "Total Project General Construction".
Answer: Use attached revised bid forms. Specification section 003000 G – General Construction, dated 01-14-22, cost line has been revised to say, "Total Project General Construction." Specification section 003000 M – Mechanical Construction, dated 01-14-22, cost line has been revised to say, "Total Project Mechanical Construction." Remove originals and replace with attached.
- 5) On all demolition drawings there is a note D6 with regard to prep window for gravity vent however there is no detail provided at window. Please advise.
Answer: Refer to drawings 5/A-500 Relief Air Gypsum Enclosure and 9/M-501 Relief Damper for UV. Color of louver to match existing panel. Submit sample for approval.
- 6) Key note A5 in drawings A-101, A-102 and A-103 has been voided. Note has been added to 1/A-101, 1/A-102 and 1/A-103 "Note: flash patch existing concrete at new UV locations and install new VCT/wood to match existing. Material color to be selected by owner." Wood flooring is in most classrooms and VCT is in most offices. See attached revised A-101, A-102 and A-103 dated 01-14-21. Remove drawings A-101, A-102 and A-103 dated 12-17-21 and replace with attached.

- 7) Room 186, Music Room, does not have a relief vent enclosure shown on drawing 1/A-101. A new relief vent enclosure is to be installed in Room 186 as part of base bid work. See attached revised A-101 dated 01-14-22. Also, refer to drawing 1/M-101 for location.
- 8) The lineset for Room 106 in drawing 1/A-301 is shown from the corridor and penetrating the South side of the classroom and along the wall to the univent. The run of the lineset will be revised to penetrate through the adjacent closet, run down to the exterior of the room and penetrate the wall into room 106. This is to avoid having the lineset run through the classroom and to not require constructing a lineset enclosure for the run in the adjacent closet.
- 9) The wire mold and lineset enclosure runs have been revised in various rooms on the first and second floor. General notes 3 and 4 have been added to A-101, A-102 and A-103. "New Gravity Vent" in the Legend has been renamed to "New Relief Vent Enclosure". The relief vent is mechanically operated and not a gravity vent. See attached revised A-101, A-102 and A-103 dated 01-14-21. Remove originals and replace with attached.
- 10) Allowances 6 and 7 have been added to the project. See attached revised specification section 012100 Allowances dated 01-14-22. Also revised are specification sections 003000G, 003000M and 003000E, and drawing A-000 Cover Sheet. Remove originals and replace with attached.
- 11) Unit Price 5 has been added to the project. See attached revised specification section 012200 Unit Prices dated 01-14-22. Also revised are specification sections 003000G, 003000M and 003000E, and drawing A-000 Cover Sheet. Remove originals and replace with attached.
- 12) See attached revised specification section 011200 Multiple Contract Summary dated 01-14-22. Remove original and replace with attached.

END OF ADDENDUM NO. 1

C:\Users\Jennifer.Rodriguez\Dropbox (MSA LLP)\- M DRIVE\2021\41048 UV Replacement at Hav Elementary\6BN\Addenda\Addendum No. 1\41048 Addendum No 1.doc

PART 1 - GENERAL

1.01 GENERAL

- A. Pursuant to, and in compliance with, your Advertisement for Bids and the Information to Bidders relative thereto and all of the Contract Documents, including any Addenda issued by the Architect and mailed to the undersigned prior to the opening Bids, whether received by the undersigned or not, we

(CONTRACTOR NAME)

hereby proposes to furnish all plant, labor, supplies, materials, and equipment for UV Replacement at Haverstraw Elementary School – General Construction, as required by and in strict accord with the applicable provisions of the Drawings and Specifications entitled “UV Replacement at Haverstraw Elementary School – General Construction at Haverstraw Elementary School, 16 Grant Street, Haverstraw, NY 10927 for the North Rockland Central School District, 65 Chapel Street, Garnerville, NY 10923 ", all to the satisfaction and approval of the Architect and the Owner in accordance with the terms and conditions of the Contract Documents for the following prices:

1. _____ Dollars

(Write out in words)

(_____) Base Bid for all work.

_____ Consecutive Calendar Days for substantial completion _____ with base bid.

The undersigned further proposes and agrees hereby to commence work with an adequate force and equipment immediately after being notified in writing to do so, and to achieve substantial completion for all work as required by the plans and specifications within the number of consecutive calendar days as itemized above.

- A. UV Replacement at Haverstraw Elementary School

Total Project General Construction (\$ _____)

- B. ALTERNATES

The undersigned further proposes and agrees that, should any of the following alternates be accepted and included in the Contract, the amount of the Base Bid, is hereto stated, shall be increased or decreased by the amounts indicated below.

No Alternates at this time.

- C. ALLOWANCES

The undersigned further proposes and agrees that, should any of the following alternates be accepted and included in the Contract, the amount of the Base Bid, is hereto stated, shall be increased or decreased by the amounts indicated below.

Allowance No. 1
Not used.

(\$ _____)

Allowance No. 2
Not used.

(\$ _____)

Allowance No. 3
Not used. (\$_____)

Allowance No. 4
Not used. (\$_____)

Allowance No. 5:
Contractors to include allowance for LF of line set enclosure noted on drawings.
Adjustment to increase/decrease the LF will be in Unit Price No. 1. (\$_____)

Allowance No. 6:
Not used. (\$_____)

Allowance No. 7:
Not used. (\$_____)

1.02 TIME OF COMPLETION

- A. It is agreed by the undersigned that after receipt of Notice of Award and a consummation of a Contract Agreement in accord with the terms of the Contract Documents, he will start work on June 27, 2022. Substantial completion will be August 19, 2022. The punch list work will be completed by September 16, 2022 and performed after school hours.

1.03 BID SECURITY

- A. Attached hereto is Bid Security in the amount of five percent (5%) of the Base Bid.

1.04 UNIT PRICES

- A. Unit Price No. 1: Provide unit price to increase or reduce by 10' - 0" the line set enclosure. (\$_____)
- B. Unit Price No. 2: Provide unit price per square foot of VCT replacement. (\$_____)
- C. Unit Price No. 3: Provide a unit price for linear feet of wood base replacement. (\$_____)
- D. Unit Price No. 4: Not used (\$_____)
- E. Unit Price No. 5: Not used (\$_____)

1.06 NON-COLLUSIVE BIDDING CERTIFICATION

- A. By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of knowledge and belief:

1. The prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor.
2. Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly

disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor; and

3. No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not submit a bid for the purpose of restricting competition.

Resolved that _____

(Name of Individual)

be authorized to sign and submit the bid or proposal of this corporation for the following project

_____ and to include in such bid or proposal the certificate as to non-collusion required by Section One Hundred Three (d) (103d) of the General Municipal Law as the act and deed of such corporation, and for any inaccuracies or misstatements in such certificate this corporate bidder shall be liable under the penalty of perjury.

The foregoing is a true and correct copy of the resolution by

Corporation at a meeting of its Board of Directors held on the

_____ day of _____, 20____.

(SEAL OF THE CORPORATION)

Secretary

1.07 ACCEPTANCE

- A. When this Proposal is accepted, the undersigned agrees to enter into Contract with the Owner as provided in the Form of Agreement.

1.08 AFFIRMS

- A. The undersigned affirms and agrees that this Proposal is a firm one which remains in effect and will be irrevocable for a period of forty-five (45) days after opening of Bids.

1.09 TYPE OF BUSINESS

- A. The undersigned hereby represents that it is a _____ (Corporation, Partnership, or an Individual). If a Corporation, then the undersigned further represents that it is duly qualified as a Corporation under laws of New York State and it is authorized to do business in this State.

1.10 PLACE OF BUSINESS

- A. The following is the name and address of the person to whom all notices required in the connection with this Proposal may be telephoned, mailed or delivered.

(Name)

(Address)

(Telephone)

1.11 EXECUTION OF CONTRACT

- A. When written Notice of Acceptance of the Proposal is mailed or delivered to the undersigned within forty-five (45) days

after the opening of Bids, or anytime thereafter should the Proposal not be withdrawn, the undersigned, within ten (10) days, will execute the Form of Agreement with the Owner.

1.12 ADDENDA

- A. Any Addenda issued by the Architect and mailed or delivered to the undersigned prior to the Bid opening date shall become part of the Contract Documents. The Bidder shall enter on this list any addenda issued after this Form of Proposal has been received and shall fill in the addenda number and date.

Addendum # _____	Dated _____
Addendum # _____	Dated _____
Addendum # _____	Dated _____
Addendum # _____	Dated _____
Addendum # _____	Dated _____
Addendum # _____	Dated _____

1.13 ASBESTOS

- A. The Contractor certifies that no asbestos or asbestos-containing material will be incorporated into the Work of this Contract.

(Sign Bid Here)

Dated _____, 20____

Legal Name of Person, Partnership
or Corporation

By _____

Title _____

Address _____

PART 1 - GENERAL

1.01 GENERAL

- A. Pursuant to, and in compliance with, your Advertisement for Bids and the Information to Bidders relative thereto and all of the Contract Documents, including any Addenda issued by the Architect and mailed to the undersigned prior to the opening Bids, whether received by the undersigned or not, we

(CONTRACTOR NAME)

hereby proposes to furnish all plant, labor, supplies, materials, and equipment for UV Replacement at Haverstraw Elementary School – Mechanical, as required by and in strict accord with the applicable provisions of the Drawings and Specifications entitled "UV Replacement at Haverstraw Elementary School – Mechanical at Haverstraw Elementary School, 16 Grant Street, Haverstraw, NY 10927 for the North Rockland Central School District, 65 Chapel Street, Garnerville, NY 10923", all to the satisfaction and approval of the Architect and the Owner in accordance with the terms and conditions of the Contract Documents for the following prices:

1. _____ Dollars

(Write out in words)

(_____) Base Bid for all work.

_____ Consecutive Calendar Days for substantial completion _____ with base bid.

The undersigned further proposes and agrees hereby to commence work with an adequate force and equipment immediately after being notified in writing to do so, and to achieve substantial completion for all work as required by the plans and specifications within the number of consecutive calendar days as itemized above.

- A. UV Replacement at Haverstraw Elementary School

Total Project Mechanical Construction (\$ _____)

B. ALTERNATES

The undersigned further proposes and agrees that, should any of the following alternates be accepted and included in the Contract, the amount of the Base Bid, is hereto stated, shall be increased, or decreased by the amounts indicated below.

No Alternates at this time.

C. ALLOWANCES

The undersigned further proposes and agrees that, should any of the following alternates be accepted and included in the Contract, the amount of the Base Bid, is hereto stated, shall be increased, or decreased by the amounts indicated below.

Allowance No. 1: Unit-Cost, Clean Existing Main Ductwork. Provide allowance to clean existing main ductwork for 20 linear feet per unit. (\$ _____)

Allowance No. 2: Unit Cost Allowance: Replace Existing Supply and Return Steam Piping and Insulation. Provide Allowance to replace existing supply and return steam piping and insulation for 20 linear feet per unit. (\$ _____)

Allowance No. 3: Commissioning Allowance: Provide a proposal from a third-party HVAC Commissioning Agent Contractor is to

include this amount in their base bid. Contractor will issue a credit change order to the Owner for the commissioning proposal amount. Owner will contract directly with the commissioning agent. (\$ _____)

Allowance No. 4: Not used (\$ _____)

Allowance No. 5: Not used (\$ _____)

Allowance No. 6: Contractor shall include in their bid an allowance 10' of piping/insulation for each UV and 20' at each RTU. See drawings 3/M-501 and 4/M-501. Adjustment to increase/decrease the LF will be in Unit Price No. 5. (\$ _____)

Allowance No. 7: Not used (\$ _____)

1.02 TIME OF COMPLETION

A. It is agreed by the undersigned that after receipt of Notice of Award and a consummation of a Contract Agreement in accord with the terms of the Contract Documents, he will start work on June 27, 2022. Substantial completion will be August 19, 2022. The punch list work will be completed by September 16, 2022 and performed after school hours.

1.03 BID SECURITY

A. Attached hereto is Bid Security in the amount of five percent (5%) of the Base Bid.

1.04 UNIT PRICES

- A. Unit Price No. 1: Not used (\$ _____)
- B. Unit Price No. 2: Not used (\$ _____)
- C. Unit Price No. 3: Not used (\$ _____)
- D. Unit Price No. 4: Not used (\$ _____)
- E. Unit Price No. 5: Provide unit price to increase or reduce by 10'- 0" of piping/insulation. (\$ _____)

1.06 NON-COLLUSIVE BIDDING CERTIFICATION

A. By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of knowledge and belief:

1. The prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor.
2. Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor; and
3. No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not submit a bid for the purpose of restricting competition.

Resolved that _____

(Name of Individual)

be authorized to sign and submit the bid or proposal of this corporation for the following project

_____ and to include in such bid or proposal the certificate as to non-collusion required by Section One Hundred Three (d) (103d) of the General Municipal Law as the act and deed of such corporation, and for any inaccuracies or misstatements in such certificate this corporate bidder shall be liable under the penalty of perjury.

The foregoing is a true and correct cop of the resolution by

Corporation at a meeting of its Board of Directors held on the

_____ day of _____, 20____.

(SEAL OF THE CORPORATION)

Secretary

1.07 ACCEPTANCE

- A. When this Proposal is accepted, the undersigned agrees to enter into Contract with the Owner as provided in the Form of Agreement.

1.08 AFFIRMS

- A. The undersigned affirms and agrees that this Proposal is a firm one which remains in effect and will be irrevocable for a period of forty-five (45) days after opening of Bids.

1.09 TYPE OF BUSINESS

- A. The undersigned hereby represents that it is a _____
(Corporation, Partnership, or an Individual). If a Corporation, then the undersigned further represents that it is duly qualified as a Corporation under laws of New York State and it is authorized to do business in this State.

1.10 PLACE OF BUSINESS

- A. The following is the name and address of the person to whom all notices required in the connection with this Proposal may be telephoned, mailed or delivered.

(Name)

(Address)

(Telephone)

1.11 EXECUTION OF CONTRACT

- A. When written Notice of Acceptance of the Proposal is mailed or delivered to the undersigned within forty-five (45) days after the opening of Bids, or anytime thereafter should the Proposal not be withdrawn, the undersigned, within ten (10) days, will execute the Form of Agreement with the Owner.

1.12 ADDENDA

- A. Any Addenda issued by the Architect and mailed or delivered to the undersigned prior to the Bid opening date shall become part of the Contract Documents. The Bidder shall enter on this list any addenda issued after this Form of Proposal has been received and shall fill in the addenda number and date.

Addendum # _____	Dated _____
Addendum # _____	Dated _____
Addendum # _____	Dated _____
Addendum # _____	Dated _____
Addendum # _____	Dated _____
Addendum # _____	Dated _____

I.13 ASBESTOS

- A. The Contractor certifies that no asbestos or asbestos-containing material will be incorporated into the Work of this Contract.

(Sign Bid Here)

Dated _____, 20____ Legal Name of Person, Partnership
or Corporation

By _____

Title _____

Address _____

PART 1 - GENERAL

1.01 GENERAL

- A. Pursuant to, and in compliance with, your Advertisement for Bids and the Information to Bidders relative thereto and all of the Contract Documents, including any Addenda issued by the Architect and mailed to the undersigned prior to the opening Bids, whether received by the undersigned or not, we

(CONTRACTOR NAME)

hereby proposes to furnish all plant, labor, supplies, materials and equipment for UV Replacement at Haverstraw Elementary School – Electrical, as required by and in strict accord with the applicable provisions of the Drawings and Specifications entitled "UV Replacement at Haverstraw Elementary School – Electrical at Haverstraw Elementary School, 16 Grant Street, Haverstraw, NY 10927 for the North Rockland Central School District, 65 Chapel Street, Garnerville, NY 10923 ", all to the satisfaction and approval of the Architect and the Owner in accordance with the terms and conditions of the Contract Documents for the following prices:

1. _____ Dollars
(Write out in words)

(_____) Base Bid for all work.

_____ Consecutive Calendar Days for substantial completion _____ with base bid.

The undersigned further proposes and agrees hereby to commence work with an adequate force and equipment immediately after being notified in writing to do so, and to achieve substantial completion for all work as required by the plans and specifications within the number of consecutive calendar days as itemized above.

- A. UV Replacement at Haverstraw Elementary School

Total Project Electrical (\$ _____)

B. ALTERNATES

The undersigned further proposes and agrees that, should any of the following alternates be accepted and included in the Contract, the amount of the Base Bid, is hereto stated, shall be increased or decreased by the amounts indicated below.

No alternates at this time.

C. ALLOWANCES

The undersigned further proposes and agrees that, should any of the following alternates be accepted and included in the Contract, the amount of the Base Bid, is hereto stated, shall be increased or decreased by the amounts indicated below.

Allowance No. 1
Not used.

(\$ _____)

Allowance No. 2
Not used.

(\$ _____)

Allowance No. 3

Not used.

(\$ _____)

Allowance No. 4: Quantity Allowance: Provide for the relocation of 40 electrical devices that require relocation due to the increased size of the new unit ventilators.

(\$ _____)

Allowance No. 5:

Not used

(\$ _____)

Allowance No. 6:

Not used.

(\$ _____)

Allowance No. 7:

Contractor to include allowance for LF of wire mold noted on drawings.

Adjustment to increase/decrease the LF will be in Unit Price No. 4.

(\$ _____)

1.02 TIME OF COMPLETION

- A. It is agreed by the undersigned that after receipt of Notice of Award and a consummation of a Contract Agreement in accord with the terms of the Contract Documents, he will start work on June 27, 2022. Substantial completion will be August 19, 2022. The punch list work will be completed by September 16, 2022 and performed after school hours.

1.03 BID SECURITY

- A. Attached hereto is Bid Security in the amount of five percent (5%) of the Base Bid.

1.04 UNIT PRICES

- A. Unit Price No. 1: Not used (\$ _____)
- B. Unit Price No. 2: Not used (\$ _____)
- C. Unit Price No. 3: Not used (\$ _____)
- D. Unit Price No. 4: Provide into price to increase or reduce by 10'-0" the wire mold. (\$ _____)
- E. Unit Price No. 5: Not used (\$ _____)

1.06 NON-COLLUSIVE BIDDING CERTIFICATION

- A. By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of knowledge and belief:

1. The prices in this bid have been arrived at independently without collusion, consultation, communication, or

agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor.

2. Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor; and
3. No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not submit a bid for the purpose of restricting competition.

Resolved that _____
(Name of Individual)

be authorized to sign and submit the bid or proposal of this corporation for the following project

_____ and to include in such bid or proposal the certificate as to non-collusion required by Section One Hundred Three (d) (103d) of the General Municipal Law as the act and deed of such corporation, and for any inaccuracies or misstatements in such certificate this corporate bidder shall be liable under the penalty of perjury.

The foregoing is a true and correct cop of the resolution by

Corporation at a meeting of its Board of Directors held on the _____ day of _____, 20____.

(SEAL OF THE CORPORATION)

Secretary

1.07 ACCEPTANCE

- A. When this Proposal is accepted, the undersigned agrees to enter into Contract with the Owner as provided in the Form of Agreement.

1.08 AFFIRMS

- A. The undersigned affirms and agrees that this Proposal is a firm one which remains in effect and will be irrevocable for a period of forty-five (45) days after opening of Bids.

1.09 TYPE OF BUSINESS

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(Corporation, Partnership, or an Individual). If a Corporation, then the undersigned further represents that it is duly qualified as a Corporation under laws of New York State and it is authorized to do business in this State.

1.10 PLACE OF BUSINESS

- A. The following is the name and address of the person to whom all notices required in the connection with this Proposal may be telephoned, mailed or delivered.

(Name)

(Address)

(Telephone)

1.11 EXECUTION OF CONTRACT

- A. When written Notice of Acceptance of the Proposal is mailed or delivered to the undersigned within forty-five (45) days after the opening of Bids, or anytime thereafter should the Proposal not be withdrawn, the undersigned, within ten (10) days, will execute the Form of Agreement with the Owner.

1.12 ADDENDA

- A. Any Addenda issued by the Architect and mailed or delivered to the undersigned prior to the Bid opening date shall become part of the Contract Documents. The Bidder shall enter on this list any addenda issued after this Form of Proposal has been received and shall fill in the addenda number and date.

Addendum # _____	Dated _____
Addendum # _____	Dated _____
Addendum # _____	Dated _____
Addendum # _____	Dated _____
Addendum # _____	Dated _____
Addendum # _____	Dated _____

1.13 ASBESTOS

- A. The Contractor certifies that no asbestos or asbestos-containing material will be incorporated into the Work of this Contract.

(Sign Bid Here)

Dated _____, 20____

Legal Name of Person, Partnership
or Corporation

By _____

Title _____

Address _____

SECTION 011200 - MULTIPLE CONTRACT SUMMARY

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section includes a summary of each contract, including responsibilities for coordination and temporary facilities and controls.
- B. Specific requirements for Work of each contract are also indicated in individual Specification Sections and on Drawings.
- C. Related Requirements:
 - 1. Section 011000 "Summary" for the Work covered by the Contract Documents, restrictions on use of Project site, phased construction, coordination with occupants, and work restrictions.
 - 2. Section 013100 "Project Management and Coordination" for general coordination requirements.

1.3 DEFINITIONS

- A. Permanent Enclosure: As determined by Architect, the condition at which roofing is insulated and weathertight; exterior walls are insulated and weathertight; and all openings are closed with permanent construction or substantial temporary closures equivalent in weather protection to permanent construction.

1.4 PROJECT COORDINATOR

- A. Project coordinator shall be responsible for coordination between the General Construction Contract, Plumbing Contract, HVAC Contract, Electrical Contract,
 - 1. HVAC Contractor will act as Project Coordinator.

1.5 COORDINATION ACTIVITIES

- A. Coordination activities of Project coordinator include, but are not limited to, the following:
 - 1. Provide overall coordination of the Work.
 - 2. Coordinate shared access to workspaces.
 - 3. Coordinate product selections for compatibility.
 - 4. Provide overall coordination of temporary facilities and controls.
 - 5. Coordinate, schedule, and approve interruptions of permanent and temporary utilities, including those necessary to make connections for temporary services.
 - 6. Coordinate construction and operations of the Work with work performed by each Contract and Owner's construction forces and separate contracts.
 - 7. Prepare coordination drawings in collaboration with each contractor to coordinate work by more than one contract.
 - 8. Coordinate sequencing and scheduling of the Work. Include the following:

- a. Initial Coordination Meeting: At earliest possible date, arrange and conduct a meeting with contractors for sequencing and coordinating the Work; negotiate reasonable adjustments to schedules.
 - b. Prepare a combined contractors' construction schedule for entire Project. Base schedule on preliminary construction schedule. Secure time commitments for performing critical construction activities from contractors. Show activities of each contract on a separate sheet. Prepare a simplified summary sheet indicating combined construction activities of contracts.
 - 1) Submit schedules for approval.
 - 2) Distribute copies of approved schedules to contractors.
9. Provide photographic documentation.
 10. Provide quality-assurance and quality-control services specified in Section 014000 "Quality Requirements."
 11. Coordinate sequence of activities to accommodate tests and inspections, and coordinate schedule of tests and inspections.
 12. Provide information necessary to adjust, move, or relocate existing utility structures affected by construction.
 13. Locate existing permanent benchmarks, control points, and similar reference points, and establish permanent benchmarks on Project site.
 14. Provide field surveys of in-progress construction and site work and final property survey.
 15. Provide progress cleaning of common areas and coordinate progress cleaning of areas or pieces of equipment where more than one contractor has worked.
 16. Coordinate cutting and patching.
 17. Coordinate protection of the Work.
 18. Coordinate firestopping.
 19. Coordinate completion of interrelated punch list items.
 20. Coordinate preparation of Project record documents if information from more than one contractor is to be integrated with information from other contractors to form one combined record.
 21. Print and submit record documents if installations by more than one contractor are indicated on the same contract drawing or shop drawing.
 22. Collect record Specification Sections from contractors, collate Sections into numeric order, and submit complete set.
 23. Coordinate preparation of operation and maintenance manuals if information from more than one contractor is to be integrated with information from other contractors to form one combined record.
- B. Responsibilities of Project coordinator for temporary facilities and controls include, but are not limited to, the following:
1. Provide common-use field office for use by all personnel engaged in construction activities.

1.6 GENERAL REQUIREMENTS OF CONTRACTS

- A. Extent of Contract: Unless the Agreement contains a more specific description of the Work of each Contract, requirements indicated on Drawings and in Specification Sections determine which contract includes a specific element of Project.
1. Unless otherwise indicated, the work described in this Section for each contract shall be complete systems and assemblies, including products, components, accessories, and installation required by the Contract Documents.
 2. Trenches and other excavation for the work of each contract shall be the work of each contract for its own work.
 3. Blocking, backing panels, sleeves, and metal fabrication supports for the work of each contract shall be the work of each contract for its own work.
 4. Furnishing of access panels for the work of each contract shall be the work of each contract for its own work. Installation of access panels shall be the work of the General Construction Contract.
 5. Equipment pads for the work of each contract shall be the work of each contract for its own work.
 6. Roof-mounted equipment curbs for the work of each contract shall be the work of each contract for its own work.
 7. Painting for the work of each contract shall be the work of each contract for its own work.
 8. Cutting and Patching: Each contract shall perform its own cutting; patching shall be under the General Construction Contract.

9. Through-penetration firestopping for the work of each contract shall be provided by each contract for its own work.
 10. Contractors' Startup Construction Schedule: Within five working days after startup horizontal bar-chart-type construction schedule submittal has been received from Project coordinator, submit a matching startup horizontal bar-chart schedule showing construction operations sequenced and coordinated with overall construction.
- B. Substitutions: Each contractor shall cooperate with other contractors involved to coordinate approved substitutions with remainder of the work.
1. Project coordinator shall coordinate substitutions.
- C. Temporary Facilities and Controls: In addition to specific responsibilities for temporary facilities and controls indicated in this Section and in Section 015000 "Temporary Facilities and Controls," each contractor is responsible for the following:
1. Installation, operation, maintenance, and removal of each temporary facility necessary for its own normal construction activity, and costs and use charges associated with each facility, except as otherwise provided for in this Section.
 2. Plug-in electric power cords and extension cords, supplementary plug-in task lighting, and special lighting necessary exclusively for its own activities.
 3. Its own field office, complete with necessary furniture, utilities, and telephone service.
 4. Its own storage and fabrication sheds.
 5. Temporary enclosures for its own construction activities.
 6. Staging and scaffolding for its own construction activities.
 7. General hoisting facilities for its own construction activities, up to 2 tons (2000 kg).
 8. Waste disposal facilities, including collection and legal disposal of its own hazardous, dangerous, unsanitary, or other harmful waste materials.
 9. Progress cleaning of work areas affected by its operations on a daily basis.
 10. Secure lockup of its own tools, materials, and equipment.
 11. Construction aids and miscellaneous services and facilities necessary exclusively for its own construction activities.
- D. Temporary Heating, Cooling, and Ventilation: Project coordinator] is responsible for temporary heating, cooling, and ventilation, including utility-use charges, temporary meters, and temporary connections.
- E. Use Charges: Comply with the following:
1. Water Service: Include the cost for water service, whether metered or otherwise, for water used by all entities engaged in construction activities at Project site in the General Construction Contract.
 2. Electric Power Service: Include the cost for electric power service, whether metered or otherwise, for electricity used by all entities engaged in construction activities at Project site in the General Construction Contract.
- 1.7 GENERAL CONSTRUCTION CONTRACT
- A. Supply all necessary materials, labor, services, equipment, and tools required to perform the following site General Construction, work for the UV Replacement and Rooftop HVAC Units. All work to be installed in strict accordance with Specifications and Drawings.
- B. Supply all necessary materials, equipment, devices and labor for implementation and up-keep of site safety as it relates to this scope of work, to meet or exceed OSHA and / or safety agencies having jurisdiction on this project. Any and all costs resulting from OSHA cited violations will be the complete responsibility of this subcontractor.
- C. This project is a prevailing wage project, and it is the responsibility of this sub-contractor to ensure that all of the latest rules and regulations published by the NYS Department of Labor, Wage and Workplace Standards Division, Public Contract Compliance Unit are strictly followed and adhered to. In the events of an audit conduct by the NYS Department of Labor, this sub-contractor will be responsible for any and all costs associated with the audit and the Departments' final decision.

- D. Work in the General Construction Contract includes, but is not limited to, the following:
1. Ceiling tile removal and installation. Provide replacement tiles and grid if damaged during removal.
 2. Supply all materials, labor, equipment, and tools for installation of metal stud partition to encase new ductwork and HVAC lines.
 3. Supply all materials, labor, equipment, and tools to install and finish gypsum at newly constructed metal stud chases, wall area, and masonry walls. Finish and paint all new surfaces, and any damaged existing surfaces.
 4. Supply all materials, labor, equipment, and tools to install all access panels, patch and paint all disturbed areas.
 5. Supply and install all necessary blocking, anchors, and hangers to support and secure ductwork, and roof curbs.
 6. Supply all materials, labor, equipment, and tools to modify/construct all interior walls, gypsum and masonry patching and paint as required.
 7. File, pay for, and obtain all required permit, inspections and approvals.
 8. Schedule and perform all inspections required by this scope of work.
 9. Removal and disposal of daily generated debris. Upon completion of this contractor's work, all excess materials and debris in the building and site are to be removed and disposed of promptly.
 10. The roof has a 5-year-old Tremco built-up roof. Contractor shall comply with Tremco standards to extend warranty to new areas.
 11. Fabricate, install, and paint all line set enclosures.
 12. This is a prevailing wage project.
 13. Structural work for installation of roof top units.

1.8 PLUMBING CONTRACT

- A. Supply all necessary materials, labor, services, equipment and tools required to perform the following site Plumbing work for the UV Replacement and Rooftop HVAC Units. All work to be installed in strict accordance with Specifications and Drawings.
- B. Supply all necessary materials, equipment, devices and labor for implementation and up-keep of site safety as it relates to this scope of work, to meet or exceed OSHA and / or safety agencies having jurisdiction on this project. Any and all costs resulting from OSHA cited violations will be the complete responsibility of this subcontractor
- C. This project is a prevailing wage project and it is the responsibility of this sub-contractor to ensure that all of the latest rules and regulations published by the NYS Department of Labor, Wage and Workplace Standards Division, Public Contract Compliance Unit are strictly followed and adhered to. In the events of an audit conduct by the NYS Department of Labor, this sub-contractor will be responsible for any and all costs associated with the audit and the Departments' final decision.
- D. Work in the Plumbing Contract includes, but is not limited to, the following:
1. Supply all materials, labor, equipment and tools for Steam pipe modifications, and connection to new unit ventilators.
 2. Install all gas piping from source and connect as required.
 3. Supply and install all necessary blocking, anchors, and hangers to support and secure gas piping.
 4. Make tie-in to gas source.
 5. Paint piping as required by local/state code.
 6. Gas piping contractor to coordinate tie-in location, pressure requirements, etc. with local gas provider.
 7. File, pay for, and obtain all required permit, inspections and approvals.
 8. Schedule and perform all inspections required by this scope of work.
 9. Removal and disposal of daily generated debris. Upon completion of this contractor's work, all excess materials and debris in the building and site are to be removed and disposed of promptly.
 10. This is a prevailing wage project.

1.9 HVAC CONTRACT

- A. Supply all necessary materials, labor, services, equipment and tools required to perform the following site electrical work for the UV Replacement and Rooftop HVAC Units. All work to be installed in strict accordance with Specifications and Drawings.
- B. Supply all necessary materials, equipment, devices and labor for implementation and up-keep of site safety as it relates to this scope of work, to meet or exceed OSHA and / or safety agencies having jurisdiction on this project. Any and all costs resulting from OSHA sited violations will be the complete responsibility of this subcontractor
- C. This project is a prevailing wage project and it is the responsibility of this sub-contractor to ensure that all of the latest rules and regulations published by the NYS Department of Labor, Wage and Workplace Standards Division, Public Contract Compliance Unit are strictly followed and adhered to. In the events of an audit conduct by the NYS Department of Labor, this sub-contractor will be responsible for any and all costs associated with the audit and the Departments' final decision.
- D. Work in the HVAC Contract includes, but is not limited to, the following:
 - 1. Remaining work not identified as work under other contracts.
 - 2. Curbs, RTUs/UV's, and accessories to be hoisted onto the roof or required floor level.
 - 3. Assemble roof curbs and dunnage, set in place, anchor, and flash to roof structure.
 - 4. Supply and install galvanized supply and return curb transitions.
 - 5. Install RTUs onto curbs and weather-tight.
 - 6. Install all RTU accessories, including filters.
 - 7. Install UV's and new cabinets, associated ductwork work and duct/pipe insulation.
 - 8. Install thermostats connect to BMS and make connections at RTUs and UV's.
 - 9. Program thermostats for heat, cooling, and occupied & unoccupied times.
 - 10. Make all supply and return ductwork connections.
 - 11. Start up and test RTUs/UV's for heat. Cooling and fresh air where applicable.
 - 12. Adjust all volume dampers and diffusers to provide proper air flow.
 - 13. Make all ductwork connections for fans.
 - 14. Test all fans.
 - 15. Balance system as per specifications.
 - 16. File, pay for, and obtain all required permit, inspections, and approvals.
 - 17. Schedule and perform all inspections required by this scope of work.
 - 18. Removal and disposal of daily generated debris.
 - 19. Demolition of existing system that are being replaced.
 - 20. Upon completion of this contractor's work, all excess materials and debris in the building and site are to be removed and disposed of promptly.
 - 21. Integrate with current BMS system.
 - 22. This is an prevailing wage project.
- E. Temporary facilities and controls in the HVAC Contract include, but are not limited to, the following:
 - 1. Temporary facilities and controls that are not otherwise specifically assigned to the Plumbing Contract.
 - 2. Temporary enclosure for building exterior.
 - 3. Temporary roads and paved areas.
 - 4. Project identification and temporary signs.
 - 5. General waste disposal facilities.
 - 6. Temporary fire-protection facilities.
 - 7. Barricades, warning signs, and lights.
 - 8. Site enclosure fence.
 - 9. Security enclosure and lockup.
 - 10. Environmental protection.
 - 11. Restoration of Owner's existing facilities used as temporary facilities.

1.10 ELECTRICAL CONTRACT

- A. Supply all necessary materials, labor, services, equipment and tools required to perform the following site electrical work for the UV Replacement and Rooftop HVAC Units. All work to be installed in strict accordance with Specifications and Drawings.
- B. Supply all necessary materials, equipment, devices and labor for implementation and up-keep of site safety as it relates to this scope of work, to meet or exceed OSHA and / or safety agencies having jurisdiction on this project. Any and all costs resulting from OSHA sited violations will be the complete responsibility of this subcontractor
- C. This project is a prevailing wage project and it is the responsibility of this sub-contractor to ensure that all of the latest rules and regulations published by the NYS Department of Labor, Wage and Workplace Standards Division, Public Contract Compliance Unit are strictly followed and adhered to. In the events of an audit conduct by the NYS Department of Labor, this sub-contractor will be responsible for any and all costs associated with the audit and the Departments' final decision.
- D. Work in the Electrical Contract includes, but is not limited to, the following:
 - 1. Supply and install all electrical materials, devices, and equipment for the RTU, UV, heat pumps .
 - 2. Supply and install complete electrical service from source to new RTU's, heat pumps.
 - 3. Supply and install complete electrical service from source to new RTU Condenser units.
 - 4. Supply and install RTU disconnects and make electrical connections.
 - 5. Supply and install RTU maintenance receptacles and make electrical connections.
 - 6. Disconnect and reconnect electrical connection to UV's .
 - 7. Test all site installed systems.
 - 8. Test all factory installed systems.
 - 9. File and obtain and pay for all required permits, inspections, and approval.
 - 10. Schedule and perform all inspections required by this scope of work.
 - 11. Start up RTUs
 - 12. Supply and install fire alarm devices wire to existing panels
 - 13. Removal and disposal of daily generated debris.
 - 14. Upon completion of this contractor's work, all excess materials and debris in the building, connecting link and site are to be removed and disposed of promptly, and site restored to original condition.
 - 15. This is a prevailing wage project.
- E. Temporary facilities and controls in the Electrical Contract include, but are not limited to, the following:
 - 1. Electric power service and distribution.
 - 2. Electrical connections to existing systems and temporary facilities and controls furnished by the General Construction Contract, Plumbing Contract, HVAC Contract, Electrical Contract,.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 011200

SECTION 012100 - ALLOWANCES

PART I - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section includes administrative and procedural requirements governing allowances.
- B. Types of allowances include the following:
 - 1. Unit-cost allowances.
 - 2. Quantity allowances.
 - 3. Testing and inspecting allowances.
- C. Related Requirements:
 - 1. Section 012200 "Unit Prices" for procedures for using unit prices, including adjustment of quantity allowances when applicable.
 - 2. Section 012600 "Contract Modification Procedures" for procedures for submitting and handling Change Orders.
 - 3. Section 014000 "Quality Requirements" for procedures governing the use of allowances for field testing by an independent testing agency.

1.3 DEFINITIONS

- A. Allowance: A quantity of work or dollar amount included in the Contract, established in lieu of additional requirements, used to defer selection of actual materials and equipment to a later date when direction will be provided to Contractor. If necessary, additional requirements will be issued by Change Order.

1.4 SELECTION AND PURCHASE

- A. At the earliest practical date after award of the Contract, advise Architect of the date when final selection, or purchase and delivery, of each product or system described by an allowance must be completed by the Owner to avoid delaying the Work.
- B. At Architect's request, obtain proposals for each allowance for use in making final selections. Include recommendations that are relevant to performing the Work.
- C. Purchase products and systems selected by Architect from the designated supplier.

1.5 ACTION SUBMITTALS

- A. Submit proposals for purchase of products or systems included in allowances in the form specified for Change Orders.

1.6 INFORMATIONAL SUBMITTALS

- A. Submit invoices or delivery slips to show actual quantities of materials delivered to the site for use in fulfillment of each allowance.
- B. Submit time sheets and other documentation to show labor time and cost for installation of allowance items that include installation as part of the allowance.
- C. Coordinate and process submittals for allowance items in same manner as for other portions of the Work.

1.7 LUMP-SUM ALLOWANCES

- A. Allowance shall include cost to Contractor of specific products and materials ordered by Owner or selected by Architect under allowance and shall include freight [.] and delivery to Project site.
- B. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials ordered by Owner or selected by Architect under allowance shall be included as part of the Contract Sum and not part of the allowance.
- C. Unused Materials: Return unused materials purchased under an allowance to manufacturer or supplier for credit to Owner, after installation has been completed and accepted.
 - 1. If requested by Architect, retain and prepare unused material for storage by Owner. Deliver unused material to Owner's storage space as directed.

1.8 UNIT-COST ALLOWANCES

- A. Allowance shall include cost to Contractor of specific products and materials ordered by Owner or selected by Architect under allowance and shall include freight and delivery to Project site.
- B. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials ordered by Owner or selected by Architect under allowance shall be included as part of the Contract Sum and not part of the allowance.
- C. Unused Materials: Return unused materials purchased under an allowance to manufacturer or supplier for credit to Owner, after installation has been completed and accepted.
 - 1. If requested by Architect, retain and prepare unused material for storage by Owner. Deliver unused material to Owner's storage space as directed.

1.9 QUANTITY ALLOWANCES

- A. Allowance shall include cost to Contractor of specific products and materials ordered by Owner or selected by Architect under allowance and shall include taxes, freight and delivery to Project site.
- B. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials ordered by Owner or selected by Architect under allowance shall be included as part of the Contract Sum and not part of the allowance.
- C. Unused Materials: Return unused materials purchased under an allowance to manufacturer or supplier for credit to Owner, after installation has been completed and accepted.
 - 1. If requested by Architect, retain and prepare unused material for storage by Owner. Deliver unused material to Owner's storage space as directed.

1.10 TESTING AND INSPECTING ALLOWANCES

- A. Testing and inspecting allowances include the cost of engaging testing agencies, actual tests and inspections, and reporting results.
- B. The allowance does not include incidental labor required to assist the testing agency or costs for retesting if previous tests and inspections result in failure. The cost for incidental labor to assist the testing agency shall be included in the Contract Sum.
- C. Costs of testing and inspection services not specifically required by the Contract Documents are Contractor responsibilities and are not included in the allowance.
- D. At Project closeout, credit unused amounts remaining in the testing and inspecting allowance to Owner by Change Order.

1.11 ADJUSTMENT OF ALLOWANCES

- A. Allowance Adjustment: To adjust allowance amounts, prepare a Change Order proposal based on the difference between purchase amount and the allowance, multiplied by final measurement of work-in-place where applicable. If applicable, include reasonable allowances for cutting losses, tolerances, mixing wastes, normal product imperfections, required maintenance materials, and similar margins.
 - 1. Include installation costs in purchase amount only where indicated as part of the allowance.
 - 2. If requested, prepare explanation and documentation to substantiate distribution of overhead costs and other markups.
 - 3. Submit substantiation of a change in scope of Work, if any, claimed in Change Orders related to unit-cost allowances.
 - 4. Owner reserves the right to establish the quantity of work-in-place by independent quantity survey, measure, or count.
- B. Submit claims for increased costs due to a change in the scope or nature of the allowance described in the Contract Documents, whether for the purchase order amount or Contractor's handling, labor, installation, overhead, and profit.
 - 1. Do not include Contractor's or subcontractor's indirect expense in the Change Order cost amount unless it is clearly shown that the nature or extent of Work has changed from what could have been foreseen from information in the Contract Documents.
 - 2. No change to Contractor's indirect expense is permitted for selection of higher- or lower-priced materials or systems of the same scope and nature as originally indicated.

PART 2 - PRODUCTS (Not Used)**PART 3 - EXECUTION****3.1 EXAMINATION**

- A. Examine products covered by an allowance promptly on delivery for damage or defects. Return damaged or defective products to manufacturer for replacement.

3.2 PREPARATION

- A. Coordinate materials and their installation for each allowance with related materials and installations to ensure that each allowance item is completely integrated and interfaced with related work.

3.3 SCHEDULE OF ALLOWANCES

- A. Allowance No. 1: Unit-Cost, Clean Existing Main Ductwork. Provide allowance to clean existing main ductwork for 20 linear feet per unit.
1. This allowance includes material cost receiving, handling, and installation [and] + Contractor overhead and profit.
- B. Allowance No. 2: Unit Cost Allowance: Replace Existing Supply and Return Steam Piping and Insulation. Provide allowance to replace existing supply and return steam piping and insulation for 20 linear feet per unit.
1. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
- C. Allowance No. 3: Commissioning Allowance: Provide a proposal from a third-party HVAC Commissioning Agent Contractor is to include this amount in their base bid. Contractor will issue a credit change order to the Owner for the commissioning proposal amount. Owner will contract directly with the commissioning agent
1. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
- D. Allowance No. 4: Quantity Allowance: Provide for the relocation of 40 electrical devices that require relocation due to the increased size of the new unit ventilators.
1. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit
 2. Coordinate quantity allowance adjustment with corresponding unit-price requirements in Section 012200 "Unit Prices."
- E. Allowance No. 5: Contractor to include allowance for LF of line set enclosure noted on drawings. Adjustment to increase/decrease the LF will be in Unit Price No. 1.
1. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
- F. Allowance No. 6: Contractor shall include in their bid an allowance 10' of piping/insulation for each UV and 20' at each RTU. See drawings 3/M-501 and 4/M-501. Adjustment to increase/decrease the LF will be in Unit Price No. 5.
1. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.
- G. Allowance No. 7: Contractor to include allowance for LF of wire mold noted on drawings. Adjustment to increase/decrease the LF will be in Unit Price No. 4.
1. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.

END OF SECTION 012100

SECTION 012200 - UNIT PRICES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for unit prices.
- B. Related Requirements:
 - 1. Section 012100 "Allowances" for procedures for using unit prices to adjust quantity allowances.
 - 2. Section 012600 "Contract Modification Procedures" for procedures for submitting and handling Change Orders.
 - 3. Section 014000 "Quality Requirements" for field testing by an independent testing agency.

1.3 DEFINITIONS

- A. Unit price is an amount incorporated into the Agreement, applicable during the duration of the Work as a price per unit of measurement for materials, equipment, or services, or a portion of the Work, added to or deducted from the Contract Sum by appropriate modification, if the scope of Work or estimated quantities of Work required by the Contract Documents are increased or decreased.

1.4 PROCEDURES

- A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, overhead, and profit.
- B. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.
- C. List of Unit Prices: A schedule of unit prices is included in Part 3. Specification Sections referenced in the Part 3 "Schedule of Unit Prices" Article contain requirements for materials described under each unit price.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF UNIT PRICES

- A. Unit Price No. 1: Provide unit price to increase or reduce by 10'-0" the line set enclosure.
 - 1. Description: provide unit price to increase or reduce by 10'-0" the line set enclosure.
 - 2. Unit of Measurement: per linear foot.
 - 3. Quantity Allowance: Coordinate unit price with allowance adjustment requirements in Section 012100 "Allowances."

- B. Unit Price No. 2: Provide unit price per square foot of VCT replacement.
1. Description: provide unit price per square foot of VCT replacement.
 2. Unit of Measurement: per square foot
- C. Unit Price No. 3: Provide a unit price for linear feet of wood base replacement.
1. Description: provide unit price for linear feet of wood base replacement.
 2. Unit of Measurement: per linear foot
- D. Unit Price No. 4: Provide unit price to increase or reduce by 10' - 0" of wire mold.
1. Description: provide unit price for linear feet of wire mold.
 2. Unit of Measurement: per linear foot
- E. Unit Price No. 5: Provide unit price to increase or reduce by 10' - 0" of piping/insulation.
1. Description: provide unit price for linear feet of piping/insulation.
 2. Unit of Measurement: per linear foot

END OF SECTION 012200


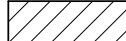

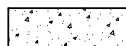



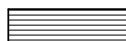

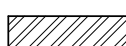

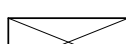
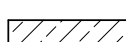
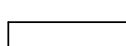
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












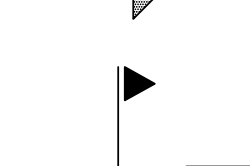
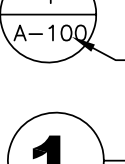

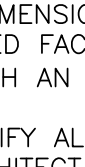
HAVERSTRAW ELEMENTARY SCHOOL
16 Grant Street
Haverstraw, NY 10927
SED# 50-02-01-06-0-009-018

OWNER:
NORTH ROCKLAND
CENTRAL SCHOOL DISTRICT
65 Chapel Street
Garnerville, NY 10923

ARCHITECT:
MICHAEL SHILALE ARCHITECTS, LLP
140 Park Avenue
New City, NY 10956

**PME ENGINEER:
GREENMAN-PEDERSON, INC.
400 Rella Boulevard, Suite 207
Montabello, NY 10901**

	CONCRETE MASONRY UNIT
	BRICK
	RIGID INSULATION
	CONCRETE
	GRAVEL OR STONE
	EARTH
	EIFS
	ASPHALT PAVING
	SAND/MORTAR/GYPSUM BOARD
	STEEL
	ACT
	ROUGH WOOD
	BRONZE
	

-  DOOR NUMBER
-  KEY NOTE
-  PARTITION TYPE
-  REVISION NUMBER
-  WINDOW TYPE
-  MECHANICAL EQUIPMENT
-  EXISTING PARTITION
-  EXISTING PARTITION TO BE REMOVED
-  NEW PARTITION (SEE PARTITION
LEGEND A-101)
-  NEW DOOR
-  EXISTING DOOR
-  EXISTING DOOR TO BE REMOVED
-  EXISTING WINDOW
-  NEW WINDOW
- 
 - ROOM NAME
 - OFFICE
 - 100 SF
 - ROOM NAME/
NUMBER IDENTIFICATION
 - 101
 - ROOM NUMBER
 - ROOM AREA
- 
 - DRAWING NUMBER
 - 1
 - WALL SECTION/
ELEVATION REFERENCE
 - A-100
 - SHEET NUMBER
- 
 - DETAIL NUMBER
 - 1
 - DETAIL REFERENCE
 - A-100
 - SHEET NUMBER
-  COLUMN LINE DESIGNATION

SYMBOLS LEGEND

1. ALL PLAN DIMENSIONS ARE NOMINAL U.O.N. DIMENSIONS TO THE FINISHED FACE OF AN ELEMENT OR WALL WILL BE DESIGNATED WITH AN "F" AS SHOWN.

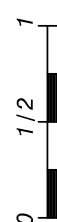
2. G.C. TO VERIFY ALL DIMENSIONS IN THE FIELD AND IS TO NOTIFY ARCHITECT IF THERE ARE ANY DISCREPANCIES.

GENERAL NOTES

NO ALTERNATES AT THIS TIME.

ALTERNATES

DRAWING No.	DRAWING TITLE	DATE
A-000	COVER SHEET	01-14-22
B-100	CODE ANALYSIS	12-17-21
S-101	ROOF PLAN & GENERAL NOTES	12-17-21
S-102	ROOF PARTIAL PLANS	12-17-21
S-103	SECTIONS & TYPICAL DETAILS	12-17-21
S-104	SECTIONS & TYPICAL DETAILS S-2	12-17-21
D-101	FIRST FLOOR DEMO PLAN	12-17-21
D-102	SECOND FLOOR DEMO PLAN	12-17-21
D-103	THIRD FLOOR DEMO PLAN	12-17-21
D-104	ROOF DEMO PLAN	12-17-21
A-101	PROPOSED FIRST FLOOR PLAN	01-14-22
A-102	PROPOSED SECOND FLOOR PLAN	01-14-22
A-103	PROPOSED THIRD FLOOR PLAN	01-14-22
A-104	PROPOSED ROOF PLAN	12-17-21
A-400	REFLECTED CEILING PLAN	12-17-21
A-500	DETAILS	12-17-21
A-501	UNIT ELEVATIONS	12-17-21
A-501.1	UNIT ELEVATIONS	12-17-21
A-502	DETAILS	12-17-21
A-503	DETAILS	12-17-21
M-001	MECHANICAL NOTES	12-17-21
M-002	MECHANICAL SCHEDULES	12-17-21
M-003	MECHANICAL SCHEDULES 2	12-17-21
M-004	CONTROLS	12-17-21
M-005	VENTILATION SCHEDULE	12-17-21
M-006	UV SCHEDULE	12-17-21
M-061	HVAC DEMO FIRST FLOOR PLAN	12-17-21
M-062	HVAC DEMO SECOND FLOOR PLAN	12-17-21
M-063	HVAC DEMO THIRD FLOOR PLAN	12-17-21
M-101	FIRST FLOOR PLAN MECHANICAL	12-17-21
M-102	SECOND FLOOR PLAN MECHANICAL	12-17-21
M-103	THIRD FLOOR PLAN MECHANICAL	12-17-21
M-104	ROOF PLAN MECHANICAL	12-17-21
M-301	HVAC PIPING - 1ST FLOOR PLAN	12-17-21
M-302	HVAC PIPING - 2ND FLOOR PLAN	12-17-21
M-303	HVAC PIPING - 3RD FLOOR PLAN	12-17-21
M-401	VRF PIPING RISERS	12-17-21
M-501	MECHANICAL DETAILS	12-17-21
M-502	MECHANICAL DETAILS 2	12-17-21
FA-001	FIRE ALARM SYSTEM COVER SHEET	12-17-21
FA-101	THIRD FLOOR PLAN FIRE ALARM	12-17-21
FA-102	ROOF PLAN FIRE ALARM	12-17-21
E-001	ELECTRICAL COVER SHEET	12-17-21
E-060	BASEMENT DEMO PLAN ELECTRICAL	12-17-21
E-061	FIRST FLOOR ELECTRICAL DEMO PLAN	12-17-21
E-062	SECOND FLOOR ELECTRICAL DEMO PLAN	12-17-21
E-063	THIRD FLOOR ELECTRICAL DEMO PLAN	12-17-21
E-100	BASEMENT PLAN ELECTRICAL	12-17-21
E-101	FIRST FLOOR PLAN ELECTRICAL	12-17-21
E-102	SECOND FLOOR PLAN ELECTRICAL	12-17-21
E-103	THIRD FLOOR PLAN ELECTRICAL	12-17-21
E-104	ROOF PLAN ELECTRICAL	12-17-21
E-201	ELECTRICAL SCHEDULES & RISER	12-17-21
E-301	ELECTRICAL DETAILS	12-17-21



1
1/2
0

IF THIS BAR DOES NOT
MEASURE, DRAWING IS
NOT TO BE USED

LIST OF DRAWINGS

ACT	ACoustical CEILING TILE	ALLOWANCE NO. 1: PROVIDE ALLOWANCE TO CLEAN EXISTING MAIN DUCTWORK FOR 20 LINEAR FEET PER UNIT.
ASPH	ASPHALT	ALLOWANCE NO. 2: PROVIDE ALLOWANCE TO REPLACE EXISTING SUPPLY AND RETURN PIPING AND INSULATION FOR 20 LINEAR FEET PER UNIT.
BLK	BLOCK	ALLOWANCE NO. 3: PROVIDE A PROPOSAL FROM A THIRD PARTY HVAC COMMISSIONING AGENT CONTRACTOR IS TO INCLUDE THIS AMOUNT IN THEIR BASE BID. CONTRACTOR WILL ISSUE A CREDIT CHANGE ORDER TO THE OWNER FOR THE COMMISSIONING PROPOSAL AMOUNT. OWNER WILL CONTRACT DIRECTLY WITH THE COMMISSIONING AGENT.
BLK'G	BLOCKING	ALLOWANCE NO. 4: PROVIDE ALLOWANCE FOR THE RELOCATION OF 40 ELECTRICAL DEVICES THAT REQUIRE RELOCATION DUE TO THE INCREASED SIZE OF THE NEW UNIT VENTILATORS.
BUR	BUILT UP ROOFING	ALLOWANCE NO. 5: CONTRACTOR TO INCLUDE ALLOWANCE FOR LF OF LINE SET ENCLOSURE NOTED ON DRAWINGS.
CEL	CEILING	ALLOWANCE NO. 6: CONTRACTOR SHALL INCLUDE IN THEIR BID AN ALLOWANCE FOR 10' OF PIPING/ INSULATION FOR EACH UV AND 20' AT EACH RTU. SEE DRAWINGS 3/M-501 AND 4/M-501.
CONC	CONCRETE	ALLOWANCE NO. 7: CONTRACTOR TO INCLUDE ALLOWANCE FOR LF OF WIRE MOLD NOTED ON DRAWINGS.
CONT	CONTINUOUS	
C.J.	CONTROL JOINT	
DN	DOWN	
DI	DIAMETER	
DWG	DRAWING	
E.F.	EACH FACE	
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	
E.W.	EACH WAY	
E.W.C.	ELECTRICAL WATER COOLER	
ED	ELEVATION	
ELC	ELECTRICAL CONTRACTOR	
EXIST	EXISTING	
EXP	EXPANSION	
EXT'G	EXISTING	
EXTR	EXTERIOR	
FP	FIREPROOF	
FIN.	FINISH(ED)	
GA	GAUGE	
GC	GENERAL CONTRACTOR	
GALV	GALVANIZED	
GL	GLASS	
OWB	GYPSPUM WALL BOARD	
HM	HOLLOW METAL	
H.P.	HIGH POINT	
HAC	HEATING & A/C CONTRACTOR	
ITR	INDIVIDUAL TREATMENT ROOM	
JT	JOINT	
LAM	LAMINATE	
LAV	LAVATORY	
LP	LOW POINT	
MAX	MAXIMUM	
MFR	MANUFACTURER	
MTL	METAL	
MIN	MINIMUM	
MO	MASONRY OPENING	
N.I.C.	NOT IN CONTRACT	
NO.	NUMBER	
ON C	ON CENTER	
OPN'G	OPENING	
PBC	PLUMBING CONTRACTOR	
PLAS.LAM.	PLASTIC LAMINATE	
PL	PLATE	
PLY'D	PLYWOOD	
RAD	RADIUS	
REF.CLG.	REFLECTED CEILING	
REQ'D	REQUIRED	
RO	ROUGH OPENING	
SIM	SIMILAR	
STL	STEEL	
SUSP.CLG.	SUSPENDED CEILING	
T.O.M.	TOP OF MASONRY	
T.O.S.	TOP OF STEEL	
TYP	TYPICAL	
U.O.N.	UNLESS OTHERWISE NOTED	
V.I.F.	VERTICAL FIELD	
VCT	VINYL COMPOSITE TILE	
W/	WITH	
WD	WOOD	

[illegible]

Drawn by	MAL
Checked by	MS/JC
Project No.	41048
Scale	AS NOTED
Date	08-30-21

Mechanical & Electrical Engineer:	GREENMAN PEDERSEN, INC 400 BELLA BOULEVARD MONTBELLO, NY 10901
Structural Engineer:	— — — —

UNIVENT REPLACEMENT
AT
HAVERSTRAW
ELEMENTARY
SED# 50-02-01-06-0-009-018
16 Court Street
Haverstraw, NY 10827
COUNTY OF ROCKLAND

MSA

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Drawing Title

COVER SHEET

Drawing No.

A-000

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EXISTING THROUGH WALL LOUVER

SUPPLY REGISTER

NEW UNIT VENT

UV-00

NEW FAN COIL UNIT

FC-00

NEW CASSETTE

CS-00

EXISTING UNIT VENT (TO REMAIN)

EXISTING UNIT VENT (TO BE REMOVED)

NEW RELIEF VENT ENCLOSURE

RA

AREA OF NEW ROOF

*LF

WM

WIRE MOLD NUMBER INDICATES AMOUNT OF LINEAR FEET FOR EACH ROOM. SEE DETAIL 7/A-500

*LF

LE

LINE SET ENCLOSURE NUMBER INDICATES AMOUNT OF LINEAR FEET FOR EACH ROOM. SEE DETAIL 6/A-500

LEGEND

A1

INSTALL NEW UNIT VENTILATORS.

A2

INSTALL NEW CEILING AS REQUIRED: 095113. INSTALL DUCTS AND REGISTERS AS REQUIRED.

A3

REMOVE EXISTING CEILING TO ACCESS DUCT WORK. REPLACE WITH NEW CLG TILE: 095113

A4

PROVIDE NEW FIN TUBE ENCLOSURES IN ENTIRE ROOM.

A5

VOID

A6

REROUTE EXISTING ELECTRICAL SUPPLY TO NEW CEILING MOUNTED UNIT.

A7

PROVIDE METAL STUD AND GYPSUM ENCLOSURE AROUND NEW INTAKE AIR DUCT AT FLOOR LEVEL AND DUCT TO CEILING. MODIFY GYPSUM CEILING FOR NEW DUCT.

A8

CONSTRUCT GYPSUM ENCLOSURE TO COVER RELIEF AIR DUCT. COORDINATE WITH MECHANICAL DRAWINGS AND DRAWING 5/A-500.

A9

INSTALL NEW GYPSUM SOFFIT FOR NEW CEILING MOUNTED UNIT VENTILATORS. SEE: DRAWINGS 1/A-502 AND 2/A-502.

A10

INSTALL NEW ACCESS PANEL IN PLASTER CEILING.

A11

PATCH EXISTING MASONRY AT DUCTWORK PENETRATIONS IN FAN ROOM.

A12

PATCH AND PAINT EXISTING PLASTER CEILING WHERE NEW UNIT IS MOUNTED IN CEILING.

A13

INSTALL LINESET AND POWER ABOVE CEILING AND IN TO CHASE FOR HVAC UNITS. ALL WIRE AND MECHANICAL EQUIPMENT SHALL BE CONCEALED.

A14

REINSTALL EXISTING DOORS TO SWING IN DIRECTION OF EGRESS.

A15

INSTALL NEW HOLLOW METAL DOOR AT BOILER ROOM. PROVIDE 1 1/2" HR LABEL DOOR WITH CLOSER. REUSE EXISTING LOCKSET. PAINT DOOR AND FRAME (COLOR BY ARCHITECT)(BOILER ROOM DOOR IN BASEMENT)

A16

PROVIDE AND INSTALL (1) 10 LB FIRE EXTINGUISHER AT SELECTED LOCATION.

A17

SAW CUT PLASTER CEILING FOR INSTALLATION OF HVAC COMBINER BOX. REINSTALL EXISTING CEILING TILE.

A18

PATCH WALL WHERE EXISTING UNIVENT IS REMOVED. PAINT TO MATCH EXISTING.

A19

REMOVE EXISTING DOOR TO UNDERCUT EXISTING DOOR TO ALLOW FOR 2" AIR SPACE. REINSTALL DOOR.

A20

GLAZING PANEL IN AREA TO BE REMOVED AND TESTED TO DETERMINE THAT IT IS SAFETY GLAZING. GLAZING TO BE REPLACED WITH LAMINATED GLAZING. OWNER AND ARCHITECT TO DETERMINE WHICH PANELS TO BE REMOVED.

A21

CONSTRUCT NEW CLOSET TO HOUSE NEW AC UNIT. COORDINATE CLOSET SIZING WITH UNIT. PROVIDE NEW DOOR AND FINISHES. CONFIRM SIZE AND COLOR WITH OWNER AND ARCHITECT.

KEY NOTES

1.

CONTRACTOR SHALL BE REQUIRED TO CORE DRILL ALL HOLES IN WALLS, FLOORS AND CEILINGS TO FACILITATE NEW LINESETS, ELECTRICAL CONDUITS AND CONDENSATE LINES.

2.

PATCH EXISTING VCT FLOORING AT BASE UNDER UNI-VENT.

3.

WIRE MOLD RUNS ALONG THE EXISTING TRIM UNDER WINDOW SILL INTO RELIEF VENT FOR FIRST AND SECOND FLOORS UNLESS OTHERWISE NOTED. CONTRACTOR WILL REVIEW LAYOUT WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.

4.

WIRE MOLD RUNS UP WALL 9FT ABOVE DROPPED CEILING, THEN DOWN 5FT INTO RELIEF VENT FOR 3RD FLOOR ONLY. CONTRACTOR WILL REVIEW LAYOUT WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.

GENERAL NOTES

NOTE: ALL LINE SETS IN CORRIDOR SHALL BE ABOVE THE EXISTING ACT CEILING.

NOTE: FLASH PATCH EXISTING CONCRETE AT NEW UV LOCATIONS AND INSTALL NEW VCT/WOOD TO MATCH EXISTING MATERIAL. COLOR TO BE SELECTED BY OWNER.

1

PROPOSED FIRST FLOOR PLAN

SCALE: 1/16"=1'-0"

PLAN NORTH

0

1/2

1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER AN ITEM IN ANY WAY.

Drawn by

Checked by

Project No.

Scale

Date

GREENMAN PEDERSEN, INC

400 BELLA BOULEVARD

MONTEBELLO, NY 10901

Mechanical & Electrical Engineer.

Structural Engineer.

UNIVENT REPLACEMENT AT HAVERSTRAW ELEMENTARY

SED # 50-02-01-06-0-009-018

18 Grant Street

Haverstraw, NY 10927

COUNTY OF ROCKLAND

PROPOSED FIRST FLOOR PLAN

Drawing No.

A-101

Revisions

No.

Date

1

08-30-21

BIDDING DOCUMENTS

2

11-19-21

ADDENDUM 1

3

12-17-21

ISSUED FOR BID

4

01-14-22

ADDENDUM 1

