

B I D A D D E N D U M 0 1

The items set forth herein, whether of omission, addition, substitution, or clarification are to be included in and form a part of the construction documents for the project listed above.

This Addendum consists of the following Parts:

Part 1	Divisions #0-1, Bidding and Contract Requirements	
Part 2	Technical Changes, Architectural, Structural, Civil & Abatement	Not Used
Part 3	Technical Changes, Plumbing, Mechanical and Electrical	Not Used
Part 4	Drawing Changes, Architectural / Civil / Abatement	Not Used
Part 5	Drawing Changes, Structural	Not Used
Part 6	Drawing Changes, Plumbing, Mechanical and Electrical	Not Used
Part 7	Clarifications	
Part 8	New Issues – List of Included Documents	

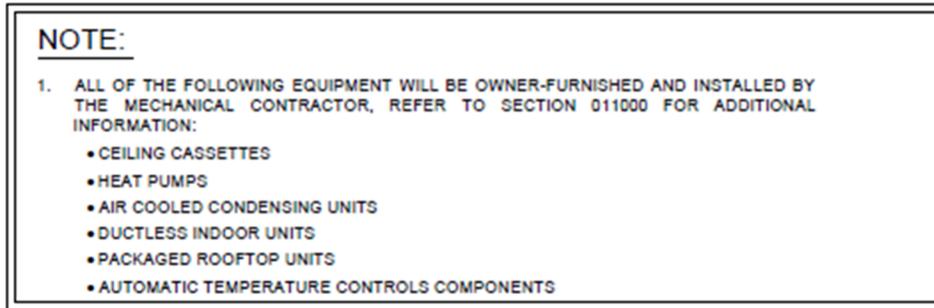
PART 1 DIVISIONS #0-1, BIDDING AND CONTRACT REQUIREMENTS

- 1.1 004010 BID FORM CONTRACT # 1 GENERAL CONSTRUCTION
 - A. See attached revised Bid Form with modifications to Part 12-G and Part 12-H for required attachments and forms that must be included with the Bid.
- 1.2 004020 BID FORM CONTRACT # 2 PLUMBING
 - A. See attached revised Bid Form with modifications to Part 12-G and Part 12-H for required attachments and forms that must be included with the Bid.
- 1.3 004030 BID FORM CONTRACT # 3 MECHANICAL
 - A. See attached revised Bid Form with modifications to Part 12-G and Part 12-H for required attachments and forms that must be included with the Bid.
- 1.4 004040 BID FORM CONTRACT # 4 ELECTRICAL
 - A. See attached revised Bid Form with modifications to Part 12-G and Part 12-H for required attachments and forms that must be included with the Bid.
- 1.5 011000 MULTIPLE CONTRACT SUMMARY OF WORK
 - A. Replace entire section 011000 Multiple Contract Summary of Work with attachment.

PART 7 CLARIFICATIONS

- 7.1 See attached Pre-Bid Walk Thru Agenda and Sign-in Sheet.
- 7.2 RFI Question – Specification Section 011000-07.6 Owner Supplied & State/CO-OP Contracted Scope-Mechanical Equipment list shows Trane equipment being furnished by Trane, however when you refer to drawing M702 Note: also lists equipment being furnished by Trane which is different. Please clarify what is being furnished by Owner/Trane for Mechanical Equipment.

RFI Response – Drawing M702 is the correct list of mechanical equipment being furnished by Owner. See also attached revised Specification 011000
(Image below taken from Drawing M702)



7.3 RFI Question – Frame type “A30” is shown on drawing A903 as being curtain wall, however all of the clerestory frames are detailed as storefront in the A-800 sections. Please confirm that all frames are to be storefront per Specification 084110, and that Specification 084410 can be deleted from the project manual.

RFI Response – Frame Types “A30”, “A31” and “A32” shall be 6-inch Curtain Wall per Specification 084410.

7.4 RFI Question – Specification 084110, Section 2.1-A.4 lists thermally broken doors with the basis of design being a Kawneer Tuffline 500 series. This door is not thermally broken, but rather a “heavy duty” entrance typically used for schools. Please confirm whether you are looking for a thermally broken door – 500T wide stile, or a heavy duty door – Tuffline 500.

RFI Response – At exterior aluminum doors, provide a “Heavy Duty Door”, Kawneer Tuffline 500, or equivalent.

7.5 RFI Question – Confirm whether interior vestibule doors #C100a / G101 / G119 / G120 are to be thermally broken or non-thermally broken products.

RFI Response – These doors are not required to be thermally broken and shall be a “Heavy Duty Door”, Kawneer Tuffline 500, or equivalent.

7.6 RFI Question – Due to manufacturing size limitations, the basis of design translucent glazing product – Okalux, must produce the glass lites at 1 1/4” thickness which would require changing the framing system for frame types “A30” / “A31” / “A32” to a curtain wall system in lieu of the drawn storefront system. Please advise if this is acceptable.

RFI Response – Frame types “A30”, “A31” and “A32” shall be 6inch depth curtain wall system.

PART 8 NEW ISSUES

- | | |
|---|--------------------|
| 1. Pre-Bid Walk-Through Agenda & Sign-In Sheet | (3 Pages) 8.5 x 11 |
| 2. 004010 Bid Form Contract #1 General Construction | (5 Pages) 8.5 x 11 |

February 7, 2025
44-90-00-00-0-035-010
Bid Addendum #1

Orange-Ulster BOCES
Arden Hill Campus
Additions & Alterations to Reg. Ed. Center

- | | | |
|----|--|---------------------|
| 3. | 004020 Bid Form Contract #2 Plumbing | (5 Pages) 8.5 x 11 |
| 4. | 004030 Bid Form Contract #3 Mechanical | (5 Pages) 8.5 x 11 |
| 5. | 004040 Bid Form Contract #4 Electrical | (5 Pages) 8.5 x 11 |
| 6. | 011000 Multiple Contract Summary | (27 Pages) 8.5 x 11 |

****** END OF BID ADDENDUM #1 ******

**PRE-BID WALK THRU MEETING
AGENDA**

Orange Ulster BOCES
2022 CAPITAL IMPROVEMENT PROJECT
Arden Hill Main Building & Gym
Additions and Alterations
Tuesday, February 4, 2025 – 3:30PM

1. SIGN IN SHEET

2. INTRODUCTIONS – THE PALOMBO GROUP

Orange Ulster BOCES - OWNERS
KG+D – ARCHITECTS
THE PALOMBO GROUP – CONSTRUCTION MANAGERS
HAZARDOUS MATERIALS MONITORING – QuEST
Third Party Testing - TBD

3. DATE / TIME / LOCATION OF WHERE BIDS ARE DUE

Thursday, February 27, 2025, 2:00PM
Orange Ulster BOCES, District Office
Attention: Business / Administration Office
53 Gibson Road Goshen, New York 10924

All proposals shall be sealed and in an opaque envelope distinct on the outside as follows:

Arden Hill Main Building & Gym
Additions and Alterations
Bid Opening Date: February 27, 2025, at 2PM
Name of Bidder
Contract Number and Trade
Marked "SEALED BID"

If mailing your bid, please make sure you leave plenty of time for it to arrive at district office by **11:45am**. Make sure the envelope is marked "Sealed Bid", OUBOCES Bid – Arden Hill Main Building & Gym Additions and Alterations, OUBOCES Bid Number – RFB-OUB-CP05-2025

4. BID DOCUMENT AVAILABILITY

- Digital download can be obtained by REVplans, 28 Church Street, Unit #7, Warwick, NY 10990 for \$100.00
- Please note Rev (www.revplans.com) is the designated location and means for distributing and obtaining all bid package information. All bidders are urged to register to ensure receipt of all necessary information, including bid addenda.

5. PROJECT OVERVIEW

1. Contract 1 General Construction Work
2. Contract 2 Plumbing Construction Work
3. Contract 3 Mechanical Construction Work
4. Contract 4 Electrical Construction Work

6. TRADE ESTIMATES

1. Contract 1 General Construction Work	\$6,250,000.00 to \$7,000,000.00
2. Contract 2 Plumbing Construction Work	\$475,000.00 to \$575,000.00
3. Contract 3 Mechanical Construction Work	\$550,000.00 to \$650,000.00
4. Contract 4 Electrical Construction Work	\$750,000.00 to \$850,000.00

7. MISCELLANEOUS REQUIRMENTS

- PERFORMANCE AND PAYMENT BONDS ARE REQUIRED
- ALL ADDENDUM MUST BE ACKNOWLEDGED ON THE BID FORM
- PROJECT LABOR AGREEMENT
- PRE-BID RFI PROCEDURES (Deadline Thursday, February 20, 2025, at 12pm)
- OWNER FURNISHED MATERIAL / SYSTEMS
- SCHEDULE

7. GENERAL DISCUSSION – Q&A

8. SITE VISIT

the Palombo Group

Sign In Sheet

Meeting: OUBOCES Arden Hill Main Bldg Gym - Pre-Bid Walk Thru Meeting
 Date: 2/4/2025 3:30 PM

<u>Name</u>	<u>Company/Trade</u>	<u>Cell/Email</u>
Dawn Ryan	TPG/CM	845-594-5328/dryan@thepalombogroup.com
Scott Butler	TPG/CM	845-332-0202/sbutler@thepalombogroup.com
Piotr Archacki	TPG/CM	845-743-5996/parchacki@thepalombogroup.com
Jack Langton	GC/MERIO	631-935-6927 / Jack@NorconY.com
Muhammad Siddique	RAMS	718-888-7120 info@ramswmechanical.com
John Mari	West-Fair Ele.	917-612-3693 imari@west-fair.com
Chaz Winter	Arcan	914-36-5794 zwinter@arcanc.com
BRIAN MARIANO	KLOND AZULTEARS	914-666-5900 brianmario@klondazulitears.com
Ferry Donofrio	plumbing Hausser Bros	845-359-1881 adonofrio@hausserbros.com
Kevin Sullivan	OUBOCES	914-656-6624 kevin.sullivan@ouboces.org
Mark Cisloman	OUBOCES	845-291-0160
Laure Catal	OUBOCES	844-291-0180 laure.catal@ouboces.org
Stephen Schera	Teacher.	815-963-7678 steph@schera.com

BID FORM

FOR

ORANGE ULSTER BOCES

ADDITIONS & ALTERATIONS TO REGIONAL EDUCATION CENTER AT ARDEN HILL

CONTRACT NO. 1 – GENERAL CONSTRUCTION WORK

Owner Information:

Orange Ulster BOCES

53 Gibson Road

Goshen, New York 10924

Attn: Mark Coleman, Assistant Superintendent for Finance & Management

Project Location:

Orange Ulster BOCES – Arden Hill Campus

Regional Education Center at Arden Hill

4 Harriman Drive

Goshen, New York 10924

1. The Undersigned hereby declares that it has carefully examined all Bidding and Contract Documents and has inspected the actual location of Work, together with the local sources of supply, and has satisfied itself as to all quantities and conditions, and understands that in signing this Proposal, it waives all rights to plead any misunderstanding regarding the same.
2. The Undersigned further understands and agrees that it is to do, perform and complete all the Work in accordance with the Contract Documents and Contract and to accept in full compensation therefor, the amount of the Base Bid, modified by such additive or deductive alternatives, if any, as are accepted by the Owner.
3. In submitting this Bid, the Undersigned agrees:
 - a. To hold the Bid open for forty-five (45) days after Bid Opening.
 - b. To accept the provisions of the Instructions to Bidders.
 - c. To enter into and execute a Contract and the PLA within ten (10) days of the Notice of Award issue date, and to simultaneously furnish Performance and Labor and Material Bonds.
 - d. To enter into, become signatory to, and to abide by, the provisions of the Project Labor Agreement with the Hudson Valley Building and Construction Trades Council, AFLCIO and the signatory local unions. A copy of this Project Labor Agreement ("PLA") is included in the specifications as Section 007013.
 - e. To require any and all of its subcontractors of any tier on the Orange Ulster BOCES Additions and Alterations to Regional Education Center Project to become signatory to, and to abide by, the PLA.
 - f. To commence the Work immediately upon receipt of Notice of Award.
4. The Undersigned agrees to the stated percentages for Changes in the Work in accordance with Invitation/Instructions to Bidders and Article 7 AIA 232-2019
5. The Undersigned agrees that the Work proposed herein will be Substantially Complete the dates indicated in specification Section 011000 - "Summary" and in the Project Milestone Schedule following Section 011000.

6. 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 the party's knowledge and belief:
- a. 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,
 - b. unless otherwise required by law, the prices that 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
 - c. no attempt has been made or will be made by the Bidder to induce any other person, partnership or corporation to submit or not to submit a Bid for the purpose of restricting competition.

A Bid shall not be considered for award, nor shall any award be made where a., b., and c. above have not been complied with, provided however, that if in any case the Bidder cannot make the foregoing certification, the Bidder shall so state and shall furnish, with the Bid, a signed statement which sets forth in detail the reasons therefor. Where a., b., and c. above have not been complied with, the Bid shall not be considered for award, nor shall any award be made unless the head of the purchasing unit of the political subdivision, public department, agency or official thereof to which the Bid is made, or his designee, determines that such disclosure was not made for the purpose of restricting competition.

The fact that a Bidder (a) has published price lists, rates or tariffs covering items being procured, (b) has informed prospective customers of proposed or pending publication of new or revised price lists for such items, or (c) has sold the same items to other customers at the same prices being Bid, does not constitute, without more, a disclosure within the meaning of this Section.

7. The Undersigned understands that the Owner reserves the right to accept or reject any or all Bids and to waive any informalities in the bidding.
8. The Undersigned acknowledges the receipt of the following addenda, but agrees that it is bound by all addenda whether or not listed herein:

Addendum Number

Date of Addendum

<u>Addendum Number</u>	<u>Date of Addendum</u>

9. BASE BID

All labor, material, services and equipment necessary for completion of the Work shown on the Drawings and the Technical Specifications for Contract No. 1 GENERAL CONSTRUCTION WORK:

\$ _____ (in numbers)

_____ Dollars (in words)

10. ALTERNATES

The Undersigned agrees to provide all work in accordance with the requirements of the Specifications and the Drawings, and Section 012300 "Alternates" and includes all costs of related coordination, modification, or adjustments for the following:

- 1. ADD ALTERNATE NO.1: PORTION OF NEW ADDITION - FITNESS CENTER G120**

ADD _____ Dollars (\$ _____)

11. SCHEDULE OF UNIT PRICES

CONTRACT NO. 1 – GENERAL CONSTRUCTION WORK

The Undersigned agrees to perform all work as drawn and specified for the following items at the unit prices given. See Section 012200 "Unit Prices" for further information.

Unit Price GC-1 – Rock Removal	\$ _____ /Cub. Yd
Unit Price GC-2 – Unsuitable Soils	\$ _____ /Cub. Yd

- The Undersigned has attached the following documents to this Bid:
 - 004100 Non-Collusive Affidavit
 - 004200 Indemnification and Hold-Harmless Clause
 - 004300 Certificate of Compliance with the Iran Divestment Act

(Name of Bidder)

- D. 004400 Sexual Harassment Written Policy and Training Certification
- E. 004600, 004601, 004602, 004603, 004604 Statement of Bidder's Qualifications AIA Document A305 and Exhibits A, B, C, and D
- F. 006101 Bid Bond / Certified Check
- G. 007003 Insurance Coverage Certification
- H. Certificate of Registration with the NYS DOL as required by NY Labor Law Section 220-i

Legal name of person, partnership, joint venture or corporation (please type)

(If Corporation,
affix corporate seal)

Address (please type)

Federal ID No. or Social Security No. (please type)

Phone No. (please type)

Name and title of signer (please type)

Signature

Date

If a Corporation
Name

Address

_____, PRESIDENT _____

_____, SECRETARY _____

_____, TREASURER _____

If a Partnership
Name

Address

(Name of Bidder)

If a Joint Venture
Name

Address

If an Individual
Name of Individual

Address

See Specifications Sections 004100, 004200, 004300, 004400, 004600, 004601, 004602, 004603, 004604, 006101 and 007003 for additional forms to be included with bid proposal. Submitting Contractor must also include Certificate of Registration with NYSDOL as required by NY Labor Law Section 220-i

****END OF BID FORM****

BID FORM

FOR

ORANGE ULSTER BOCES

ADDITIONS & ALTERATIONS TO REGIONAL EDUCATION CENTER AT ARDEN HILL

CONTRACT NO. 2 – PLUMBING WORK

Owner Information:

Orange Ulster BOCES

53 Gibson Road

Goshen, New York 10924

Attn: Mark Coleman, Assistant Superintendent for Finance & Management

Project Location:

Orange Ulster BOCES – Arden Hill Campus

Regional Education Center at Arden Hill

4 Harriman Drive

Goshen, New York 10924

1. The Undersigned hereby declares that it has carefully examined all Bidding and Contract Documents and has inspected the actual location of Work, together with the local sources of supply, and has satisfied itself as to all quantities and conditions, and understands that in signing this Proposal, it waives all rights to plead any misunderstanding regarding the same.
2. The Undersigned further understands and agrees that it is to do, perform and complete all the Work in accordance with the Contract Documents and Contract and to accept in full compensation therefor, the amount of the Base Bid, modified by such additive or deductive alternatives, if any, as are accepted by the Owner.
3. In submitting this Bid, the Undersigned agrees:
 - a. To hold the Bid open for forty-five (45) days after Bid Opening.
 - b. To accept the provisions of the Instructions to Bidders.
 - c. To enter into and execute a Contract and the PLA within ten (10) days of the Notice of Award issue date, and to simultaneously furnish Performance and Labor and Material Bonds.
 - d. To enter into, become signatory to, and to abide by, the provisions of the Project Labor Agreement with the Hudson Valley Building and Construction Trades Council, AFLCIO and the signatory local unions. A copy of this Project Labor Agreement ("PLA") is included in the specifications as Section 007013.
 - e. To require any and all of its subcontractors of any tier on the Orange Ulster BOCES Additions and Alterations to Regional Education Center Project to become signatory to, and to abide by, the PLA.
 - f. To commence the Work immediately upon receipt of Notice of Award.
4. The Undersigned agrees to the stated percentages for Changes in the Work in accordance with Invitation/Instructions to Bidders and Article 7 AIA 232-2019
5. The Undersigned agrees that the Work proposed herein will be Substantially Complete the dates indicated in specification Section 011000 - "Summary" and in the Project Milestone Schedule following Section 011000.

6. 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 the party's knowledge and belief:
- a. 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,
 - b. unless otherwise required by law, the prices that 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
 - c. no attempt has been made or will be made by the Bidder to induce any other person, partnership or corporation to submit or not to submit a Bid for the purpose of restricting competition.

A Bid shall not be considered for award, nor shall any award be made where a., b., and c. above have not been complied with, provided however, that if in any case the Bidder cannot make the foregoing certification, the Bidder shall so state and shall furnish, with the Bid, a signed statement which sets forth in detail the reasons therefor. Where a., b., and c. above have not been complied with, the Bid shall not be considered for award, nor shall any award be made unless the head of the purchasing unit of the political subdivision, public department, agency or official thereof to which the Bid is made, or his designee, determines that such disclosure was not made for the purpose of restricting competition.

The fact that a Bidder (a) has published price lists, rates or tariffs covering items being procured, (b) has informed prospective customers of proposed or pending publication of new or revised price lists for such items, or (c) has sold the same items to other customers at the same prices being Bid, does not constitute, without more, a disclosure within the meaning of this Section.

7. The Undersigned understands that the Owner reserves the right to accept or reject any or all Bids and to waive any informalities in the bidding.
8. The Undersigned acknowledges the receipt of the following addenda, but agrees that it is bound by all addenda whether or not listed herein:

Addendum Number

Date of Addendum

<u>Addendum Number</u>	<u>Date of Addendum</u>

9. BASE BID

All labor, material, services and equipment necessary for completion of the Work shown on the Drawings and the Technical Specifications for Contract No. 2 PLUMBING WORK:

\$ _____ (in numbers)

_____ Dollars (in words)

10. ALTERNATES

The Undersigned agrees to provide all work in accordance with the requirements of the Specifications and the Drawings, and Section 012300 "Alternates" and includes all costs of related coordination, modification, or adjustments for the following:

1. **ADD ALTERNATE NO.1: PORTION OF NEW ADDITION - FITNESS CENTER G120**

ADD _____ Dollars (\$ _____)

11. SCHEDULE OF UNIT PRICES

(NOT APPLICABLE)

- 12.** The Undersigned has attached the following documents to this Bid:

- A. 004100 Non-Collusive Affidavit
- B. 004200 Indemnification and Hold-Harmless Clause
- C. 004300 Certificate of Compliance with the Iran Divestment Act
- D. 004400 Sexual Harassment Written Policy and Training Certification
- E. 004600, 004601, 004602, 004603, 004604 Statement of Bidder's Qualifications AIA Document A305 and Exhibits A, B, C, and D
- F. 006101 Bid Bond / Certified Check
- G. 007003 Insurance Coverage Certification
- H. Certificate of Registration with the NYSDOL as required by NY Labor Law Section 220-i

(Bid Form Continues on Next Page)

(Name of Bidder)

(If Corporation,
affix corporate seal)

Legal name of person, partnership, joint venture or corporation (please type)

Address (please type)

Federal ID No. or Social Security No. (please type)

Phone No. (please type)

Name and title of signer (please type)

Signature

Date

If a Corporation
Name

Address

_____, PRESIDENT _____

_____, SECRETARY _____

_____, TREASURER _____

If a Partnership
Name

Address

If a Joint Venture
Name

Address

(Name of Bidder)

If an Individual
Name of Individual

Address

See Specifications Sections 004100, 004200, 004300, 004400, 004600, 004601, 004602, 004603, 004604, 006101 and 007003 for additional forms to be included with bid proposal. Submitting Contractor must also include Certificate of Registration with NYSDOL as required by NY Labor Law Section 220-i

****END OF BID FORM****

BID FORM

FOR

ORANGE ULSTER BOCES

ADDITIONS & ALTERATIONS TO REGIONAL EDUCATION CENTER AT ARDEN HILL

CONTRACT NO. 3 – MECHANICAL WORK

Owner Information:

Orange Ulster BOCES

53 Gibson Road

Goshen, New York 10924

Attn: Mark Coleman, Assistant Superintendent for Finance & Management

Project Location:

Orange Ulster BOCES – Arden Hill Campus

Regional Education Center at Arden Hill

4 Harriman Drive

Goshen, New York 10924

1. The Undersigned hereby declares that it has carefully examined all Bidding and Contract Documents and has inspected the actual location of Work, together with the local sources of supply, and has satisfied itself as to all quantities and conditions, and understands that in signing this Proposal, it waives all rights to plead any misunderstanding regarding the same.
2. The Undersigned further understands and agrees that it is to do, perform and complete all the Work in accordance with the Contract Documents and Contract and to accept in full compensation therefor, the amount of the Base Bid, modified by such additive or deductive alternatives, if any, as are accepted by the Owner.
3. In submitting this Bid, the Undersigned agrees:
 - a. To hold the Bid open for forty-five (45) days after Bid Opening.
 - b. To accept the provisions of the Instructions to Bidders.
 - c. To enter into and execute a Contract and the PLA within ten (10) days of the Notice of Award issue date, and to simultaneously furnish Performance and Labor and Material Bonds.
 - d. To enter into, become signatory to, and to abide by, the provisions of the Project Labor Agreement with the Hudson Valley Building and Construction Trades Council, AFLCIO and the signatory local unions. A copy of this Project Labor Agreement ("PLA") is included in the specifications as Section 007013.
 - e. To require any and all of its subcontractors of any tier on the Orange Ulster BOCES Additions and Alterations to Regional Education Center Project to become signatory to, and to abide by, the PLA.
 - f. To commence the Work immediately upon receipt of Notice of Award.
4. The Undersigned agrees to the stated percentages for Changes in the Work in accordance with Invitation/Instructions to Bidders and Article 7 AIA 232-2019
5. The Undersigned agrees that the Work proposed herein will be Substantially Complete the dates indicated in specification Section 011000 - "Summary" and in the Project Milestone Schedule following Section 011000.

9. BASE BID

All labor, material, services and equipment necessary for completion of the Work shown on the Drawings and the Technical Specifications for Contract No. 3 MECHANICAL WORK:

\$ _____ (in numbers)

_____ Dollars (in words)

10. ALTERNATES

The Undersigned agrees to provide all work in accordance with the requirements of the Specifications and the Drawings, and Section 012300 "Alternates" and includes all costs of related coordination, modification, or adjustments for the following:

1. **ADD ALTERNATE NO.1: PORTION OF NEW ADDITION - FITNESS CENTER G120**

ADD _____ Dollars (\$ _____)

11. SCHEDULE OF UNIT PRICES

(NOT APPLICABLE)

- 12.** The Undersigned has attached the following documents to this Bid:

- A. 004100 Non-Collusive Affidavit
- B. 004200 Indemnification and Hold-Harmless Clause
- C. 004300 Certificate of Compliance with the Iran Divestment Act
- D. 004400 Sexual Harassment Written Policy and Training Certification
- E. 004600, 004601, 004602, 004603, 004604 Statement of Bidder's Qualifications AIA Document A305 and Exhibits A, B, C, and D
- F. 006101 Bid Bond / Certified Check
- G. 007003 Insurance Coverage Certification
- H. Certificate of Registration with the NYSDOL as required by NY Labor Law Section 220-i

(Bid Form Continues on Next Page)

(Name of Bidder)

Legal name of person, partnership, joint venture or corporation (please type)

(If Corporation,
affix corporate seal)

Address (please type)

Federal ID No. or Social Security No. (please type)

Phone No. (please type)

Name and title of signer (please type)

Signature

Date

If a Corporation
Name

Address

_____, PRESIDENT _____

_____, SECRETARY _____

_____, TREASURER _____

If a Partnership
Name

Address

If a Joint Venture
Name

Address

(Name of Bidder)

If an Individual
Name of Individual

Address

See Specifications Sections 004100, 004200, 004300, 004400, 004600, 004601, 004602, 004603, 004604, 006101 and 007003 for additional forms to be included with bid proposal. Submitting Contractor must also include Certificate of Registration with NYSDOL as required by NY Labor Law Section 220-i

****END OF BID FORM****

BID FORM

FOR

ORANGE ULSTER BOCES

ADDITIONS & ALTERATIONS TO REGIONAL EDUCATION CENTER AT ARDEN HILL

CONTRACT NO. 4 – ELECTRICAL WORK

Owner Information:

Orange Ulster BOCES

53 Gibson Road

Goshen, New York 10924

Attn: Mark Coleman, Assistant Superintendent for Finance & Management

Project Location:

Orange Ulster BOCES – Arden Hill Campus

Regional Education Center at Arden Hill

4 Harriman Drive

Goshen, New York 10924

1. The Undersigned hereby declares that it has carefully examined all Bidding and Contract Documents and has inspected the actual location of Work, together with the local sources of supply, and has satisfied itself as to all quantities and conditions, and understands that in signing this Proposal, it waives all rights to plead any misunderstanding regarding the same.
2. The Undersigned further understands and agrees that it is to do, perform and complete all the Work in accordance with the Contract Documents and Contract and to accept in full compensation therefor, the amount of the Base Bid, modified by such additive or deductive alternatives, if any, as are accepted by the Owner.
3. In submitting this Bid, the Undersigned agrees:
 - a. To hold the Bid open for forty-five (45) days after Bid Opening.
 - b. To accept the provisions of the Instructions to Bidders.
 - c. To enter into and execute a Contract and the PLA within ten (10) days of the Notice of Award issue date, and to simultaneously furnish Performance and Labor and Material Bonds.
 - d. To enter into, become signatory to, and to abide by, the provisions of the Project Labor Agreement with the Hudson Valley Building and Construction Trades Council, AFLCIO and the signatory local unions. A copy of this Project Labor Agreement ("PLA") is included in the specifications as Section 007013.
 - e. To require any and all of its subcontractors of any tier on the Orange Ulster BOCES Additions and Alterations to Regional Education Center Project to become signatory to, and to abide by, the PLA.
 - f. To commence the Work immediately upon receipt of Notice of Award.
4. The Undersigned agrees to the stated percentages for Changes in the Work in accordance with Invitation/Instructions to Bidders and Article 7 AIA 232-2019
5. The Undersigned agrees that the Work proposed herein will be Substantially Complete the dates indicated in specification Section 011000 - "Summary" and in the Project Milestone Schedule following Section 011000.

6. 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 the party's knowledge and belief:
- a. 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,
 - b. unless otherwise required by law, the prices that 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
 - c. no attempt has been made or will be made by the Bidder to induce any other person, partnership or corporation to submit or not to submit a Bid for the purpose of restricting competition.

A Bid shall not be considered for award, nor shall any award be made where a., b., and c. above have not been complied with, provided however, that if in any case the Bidder cannot make the foregoing certification, the Bidder shall so state and shall furnish, with the Bid, a signed statement which sets forth in detail the reasons therefor. Where a., b., and c. above have not been complied with, the Bid shall not be considered for award, nor shall any award be made unless the head of the purchasing unit of the political subdivision, public department, agency or official thereof to which the Bid is made, or his designee, determines that such disclosure was not made for the purpose of restricting competition.

The fact that a Bidder (a) has published price lists, rates or tariffs covering items being procured, (b) has informed prospective customers of proposed or pending publication of new or revised price lists for such items, or (c) has sold the same items to other customers at the same prices being Bid, does not constitute, without more, a disclosure within the meaning of this Section.

7. The Undersigned understands that the Owner reserves the right to accept or reject any or all Bids and to waive any informalities in the bidding.
8. The Undersigned acknowledges the receipt of the following addenda, but agrees that it is bound by all addenda whether or not listed herein:

Addendum Number

Date of Addendum

<u>Addendum Number</u>	<u>Date of Addendum</u>

9. BASE BID

All labor, material, services and equipment necessary for completion of the Work shown on the Drawings and the Technical Specifications for Contract No. 4 ELECTRICAL WORK:

\$ _____ (in numbers)

_____ Dollars (in words)

10. ALTERNATES

The Undersigned agrees to provide all work in accordance with the requirements of the Specifications and the Drawings, and Section 012300 "Alternates" and includes all costs of related coordination, modification, or adjustments for the following:

1. **ADD ALTERNATE NO.1: PORTION OF NEW ADDITION - FITNESS CENTER G120**

ADD _____ Dollars (\$ _____)

11. SCHEDULE OF UNIT PRICES

(NOT APPLICABLE)

- 12.** The Undersigned has attached the following documents to this Bid:

- A. 004100 Non-Collusive Affidavit
- B. 004200 Indemnification and Hold-Harmless Clause
- C. 004300 Certificate of Compliance with the Iran Divestment Act
- D. 004400 Sexual Harassment Written Policy and Training Certification
- E. 004600, 004601, 004602, 004603, 004604 Statement of Bidder's Qualifications AIA Document A305 and Exhibits A, B, C, and D
- F. 006101 Bid Bond / Certified Check
- G. 007003 Insurance Coverage Certification
- H. Certificate of Registration with the NYSDOL as required by NY Labor Law Section 220-i

(Bid Form Continues on Next Page)

(Name of Bidder)

Legal name of person, partnership, joint venture or corporation (please type)

(If Corporation,
affix corporate seal)

Address (please type)

Federal ID No. or Social Security No. (please type)

Phone No. (please type)

Name and title of signer (please type)

Signature

Date

If a Corporation
Name

Address

_____, PRESIDENT _____

_____, SECRETARY _____

_____, TREASURER _____

If a Partnership
Name

Address

If a Joint Venture
Name

Address

(Name of Bidder)

If an Individual
Name of Individual

Address

See Specifications Sections 004100, 004200, 004300, 004400, 004600, 004601, 004602, 004603, 004604, 006101 and 007003 for additional forms to be included with bid proposal. Submitting Contractor must also include Certificate of Registration with NYSDOL as required by NY Labor Law Section 220-i

****END OF BID FORM****

SECTION 011000 MULTIPLE - CONTRACT SUMMARY

PART 1 GENERAL

1.1 RELATED DOCUMENTS

Drawings and general provisions of the Contract, including the General and Supplemental Conditions and Division 1 Specification Section, apply to this Section.

1.2 SUMMARY

Section include/reference:

1. Project information.
2. Work covered by Contract Documents.
3. Construction schedule.
4. Requirements and assignments for the Contract.
5. Owner-furnished products.
6. Access to site.
7. Coordination with occupants.
8. Work restrictions.

This Section includes a summary of the contract, including responsibilities for coordination and temporary facilities and controls.

The Contractor is responsible to review all Drawings and Specifications for every contract to gain a complete understanding and knowledge of the entire Project, to determine how the work of the contract is to interface with every other contract.

1.3 DEFINITIONS

Project Identification: Project consists of all labor, materials, equipment, appliances, services, and incidentals necessary for layout, installing, and performing Additions and Alterations at the Orange Ulster BOCES School as shown on the Contract Drawings and described in the Specifications.

1. The work consists of but not limited to the following:
2. The Work will be performed at
 - a. The Arden Hill Campus located at
4 HARRIMAN DRIVE GOSHEN, NY, 10924
3. Architect Identification: The Contract Documents were prepared for the Project by Architect of Record, KG+D Architects, PC.
4. Construction Manager: The Palombo Group has been engaged as Construction Manager for this Project to serve as an advisor to Owner and to provide assistance in administering the Contract for Construction between Owner and Contractor, according to a separate contract between Owner and Construction Manager.
5. Building Code in Effect for Project: 2020 Building Code of New York State as adopted and the Energy Conservation Construction Code of New York State.
6. Comply with the following: New York State Energy Conservation Code and the building standards of the New York State Education Department.

1.4 THE CONTRACT

The Project will be constructed under a multiple prime contracting arrangement with the Owner awarding and holding separate Contracts. The Contractor shall furnish all labor, material, tools, equipment, supervision, layout, delivery, trucking, shop drawings, submittals, closeout etc. necessary to complete the work described in the Division of Work of their respective Contracts and based upon a complete set of Contract Documents.

It is the Owner's intention to continue to occupy the existing buildings and site for normal School operations during the Construction process. The Contractors all agree to:

- a. Cooperate with the Owner's personnel in maintaining and facilitating access to the School buildings and its facilities by the School staff, Students, Owner's agents, service consultants and the public, throughout the construction process.
- b. Keep driveways and entrances serving the occupied School buildings clear and available to the Owner, the Owner's employees, the public, and to emergency vehicles at all times. Do not obstruct access to, or use these areas for parking, staging of equipment or materials. All access through these existing areas must be coordinated in advance and in accordance with the Owner's usage and occupancy schedule.
- c. Schedule construction operations so as to minimize any conflicts or interruptions to the daily school functions. Coordinate any necessary interruptions with the designated project representative.
- d. All existing Owner occupied areas of buildings (not turned over to the Project Contractors) need to remain operational at all times. The contractors are responsible to maintain all systems, such as but not limited to: fire alarm, clocks, electric, public address system, gas service, heat etc.
 - a. District intends to occupy all levels of the main building throughout the construction duration. Coordination is required for all movements into the bldg., shutdowns, tie-ins and any other operational affecting operations/task.

The Prime Contractor shall:

1. Provide field-engineering services, in addition to those provided by the General Work Prime Contract, to install site utilities included in the applicable Prime Contract.
2. Coordinate construction schedule information in order to formulate one master schedule for the entire Project. General Contract to organize, publish and update said schedule as direct by the CM, but no less than monthly.
3. Coordinate weekly construction schedules and activities. Every week Prime is to submit to the CM and other Primes a detailed plan of activities in the field to include, but not be limited work planned, crew size, hours of work, deliveries, coordinated activities with others, Owner requested coordination needs. Prime Contractor to take responsibility for

- submitting this on account for all of their vendors and subcontractors.
4. Provide reflective vests and other necessary PPE to be worn by all on-site personnel at all times. Parties that do not abide by this requirement will be escorted off the premises.
 5. Provide erosion and Sediment Control and dewatering as it relates to any excavation associated with its own Prime Contract.
 6. Provide potable drinking water for its own employees.
 7. Provide access to all concealed systems as required for system maintenance and repair for items installed in their Prime Contract. This specifically talks to access panels needed for future maintenance by the district.
 8. Provide and maintain material lifting equipment required for the completion of their Contract requirements, and complying with NYS Labor Laws, OSHA Regulations, and other Federal, State, and local laws.
 9. Provide and maintain additional temporary stairs, ladders, ramps, scaffolding, and platforms required specifically for completion of work of their own Contract, and as further detailed in this section. All work needs to comply with the NYS Labor Laws, OSHA regulation, and other Federal, State, and local laws.
 10. Provide Fire Prevention materials and equipment for fire protection related to the work of their own Prime Contract. Provide fire extinguishers, fire blankets, and fire watch during all cutting and welding operations.
 11. Provide any supplemental lighting required to install the work of its own Contract, beyond the minimum OSHA levels provided under the Electrical Work Prime Contract.
 12. Provide any supplemental heat required to install the work of its own Contract.
 13. Provide traffic control for deliveries, and equipment needed to perform the work of their own Prime Contract.
 14. Provide protection of its own finished Work, after installation, until accepted by the Owner.
 15. Provide fire caulking for any penetration related to the work for its own Prime Contract.
 16. Provide any office and storage trailers required to complete the work of their own Prime Contract.
 17. Provide final cleaning of all surfaces and areas within the work areas to the satisfaction of the CM.
 18. Project closeout requirements including As-Builts, Owner's Manual, Training etc..
 19. The Contractor shall review the facility asbestos report to become familiar with any materials that may contain asbestos. If the contractor encounters materials that have not been tested for asbestos, he shall cease work and contact the Construction Manager. The Contractor will be held responsible for clean-up costs if they continue to remove materials that have not been tested for

asbestos.

20. Provide for a thorough final cleaning of the site, building, and equipment provided under their Prime Contract immediately before the final inspection, to be performed by an independent third party cleaning company. The Prime Contractor is responsible for cleaning and dust and debris generated from the work of their own Contract.
 - a. Maintain areas in a cleaned condition until the Owner occupies the space.
 - b. Personnel: Experienced workman or professional cleaners approved by the Construction Manager.

1.5 SUMMARY OF WORK

The work will be constructed under multiple prime contracts. One set of contract documents is issued covering the multiple contracts. The Prime Contract is defined as:

1. CONTRACT 1 GC – GENERAL CONSTRUCTION WORK
2. CONTRACT 2 PC – PLUMBING CONSTRUCTION WORK
3. CONTRACT 3 MC – MECHANICAL CONSTRUCTION WORK
4. CONTRACT 4 EC – ELECTRICAL CONSTRUCTION WORK

1.6 WORK UNDER SEPARATE CONTRACTS

The project will be constructed under a multiple-prime contracting arrangement. One set of documents is issued covering all prime contracts scope of work. The prime contractor is to review ALL drawings and specifications for complete understanding and knowledge of the work to be performed.

The following Contract Documents are specifically included and defined as integral to the Prime Contract.

1. Bidding Requirements
2. Performance and Payment Bonds
3. Conditions of the Contract, including
 - a. General Conditions & Supplementary Conditions
 - b. Insurance Requirements
 - c. NYS Prevailing Wage Rates
 - d. Project Labor Agreement

Extent of Contract: Unless the Contract Documents contain a more specific description of the Work, names and terminology on Drawings and in Specification Sections determine which contract includes a specific element of Project.

- a. Unless otherwise indicated, the Work described in this Section for the contract shall be complete systems and assemblies, including products, components, accessories, controllers/programming, and all installation required by the Contract Documents.
- b. Local custom and trade-union jurisdictional settlements do not control the scope of the Work of the contract. When a potential jurisdictional dispute or similar interruption of work is first identified or threatened, affected contractors shall negotiate a reasonable settlement to avoid or minimize interruption and delays.

- c. It is implied, unless otherwise noted, that any new work that has existing work in its place, the removal of the existing work is included in the scope of new work installer.
- d. All contractors are responsible for the removal and reinstallation of ceiling where work must be installed above a ceiling not scheduled for removal/replacement.
- e. The General Contractor shall provide excavation, support of excavation, backfilling material, restoration etc. for all scope of work.
- f. The General Construction Work Contract shall provide all cutting and patching, wall and floor trenching, etc. associated with all Contracts once the building has been cleared by the Owner. All Primes Contractor are responsible for misc. selective demolition required for the to the installation of their permanent work. All patching/restoration is to be performed by mechanics qualified and experienced with the materials and finishes being patched. New openings requiring structural reinforcing will be the responsibility of the General construction contract. Core drilling, fire proofing etc.. shall be by Prime Contractor. Layout to be performed by the Prime requiring the opening.
- g. Firestopping for the Work of the contract shall be provided by the contract for its own Work. Firestopping shall comply with Division 7 Section "Through Penetration Firestop Systems".
- h. Access doors not shown on Architectural drawings and required for access to junction boxes, valves and similar equipment for the Work of the contract shall be furnished by the contract for its own Work to the General Construction Contractor for installation.
- i. Lead Based Paint precautions for the Work of the contract shall be provided by the contract for its own Work. The Prime Contractor shall provide procedures for OSHA Lead precautions.
- j. The Prime Contractor shall designate a full time superintendent to supervise the work of the Prime Contractor, who shall always be present on the job site when work is being performed by their Contract; this person shall be familiar with Project and authorized to conclude matters relating to progress. This person shall also represent their company at weekly contractor meetings.
- k. Termination and removal of its temporary facilities shall be provided by the contract for its own Work.
- l. The Electrical Contractor Shall provide temporary power and lighting at the areas of work for all trades within the building, as required for the duration on construction.

Temporary Facilities and Controls: In addition to specific responsibilities for temporary facilities and controls indicated in this Section and in Division 1 Section 01 5000 "Temporary Facilities and Controls," the Contract is responsible for the following:

- a. Installation, operation, maintenance, and removal of each temporary facility usually considered as its own normal construction activity, and costs and use charges associated with each facility.
- b. Generators, plug-in electric power cords and extension cords,

- supplementary plug- in task lighting, and special lighting necessary exclusively for its own activities.
- c. Its own field office, complete with necessary furniture, and telephone service.
 - d. Its own storage and fabrication sheds.
 - e. Temporary heat for construction at isolated work areas.
 - f. Its own dust protection to control dust where dust partition is not scheduled or shown on the drawings but are necessary to protect the building from dust contamination. This to included temp walls, zip walls, portion walls, as needed or as directed by the CM to contain dust.
 - g. Temporary enclosures for its own construction activities.
 - h. Hoisting requirements for its own construction activities.
 - i. Staging and scaffolding for its own construction activities.
 - j. Collection and disposal of its own hazardous, dangerous, unsanitary, or other harmful waste material.
 - k. Daily clean-up and disposal is required by the Contractor for the periods which that Contractor is performing work on site. Dumpsters will be provided by the General Construction contract for use by the prime contractors, recycling of materials will be instituted daily. Each trade will assign at least one person to the weekly general clean-up. Any Contractor not providing personnel will be "back-charged" for labor provided by the Construction Manager. Progress cleaning of its own areas on a daily basis.
 - l. Secure lockup of its own tools, materials, and equipment.
 - m. Construction aids and miscellaneous services and facilities necessary exclusively for its own construction activities.
 - n. Temporary heat to protect to install and protect the work is place where scheduled temporary heat is not in place or not called for in the contract documents.
 - o. Safety procedures as dictated by the district, OSHA, and the NYS Department of Labor
 - p. Contractor shall obtain and pay for any permits, inspections, or certifications from governing authorities having jurisdiction over the work to be performed, or over the finished product to be installed by this Contractor. Project Building Permit is by Owner.

Temporary Heating, Cooling, and Ventilation: The General Contractor is responsible for temporary heating, cooling, and ventilation before permanent enclosure of building is complete and/or when a system is removed or otherwise disabled. The General Construction Contract is responsible for temporary heating, cooling, and ventilation after permanent enclosure of building is complete until final heating system is completed and commissioned. Owner will pay for electric utility-use charges, Contractor will pay for oil use charges related to temporary heat. Fuel-based temporary heating shall be utilized on this project as this project site does not have capacity to provide all electric temporary heat.

Temporary ventilation: The Contractor to control fumes from their own construction operations including interior painting and "off gassing" of new finish materials.

Use Charges: Comply with the following:

- a. Water Service: Water service is available at no charge.
- b. Electric Power Service: Electric Power service is available at no charge. Except when power shut down to the building occurs, the EC to provide temp power to facilitate the ongoing work of other trades.

Storage: The Contractor shall coordinate with the Construction Manager for locations of on-site storage for material, employee parking, material loading/unloading etc.. It is the intent of the Project to store approved delivered material on site. Any storage required for material, tools, and equipment outside the summer schedule is the responsibility of the Contractor. Example locations are proposed in a Project Staging Plan. Material available and not on site will not be a basis for delay.

1.7 OWNER SUPPLIED & STATE/CO-OP CONTRACTED SCOPE

All work associated with Owner Provided Scope provided scope includes, but is not limited to, the following, providing a fully operational, code compliant, system, including stamped designs as required. This includes, but is not limited to, work shown on the following:

1. Coordination
 - a. Prime Contractor shall provide Coordination of their scope of work with all other contractors, third parties, Owner activities/agents/suppliers/contractors.
 - b. Prime Contractor shall become familiar with scope of all State Contractors and their support/scope coordination and interface responsibilities.
2. Public Address & Clock System
 - a. The Electrical Contractor shall install infrastructure items, such as conduit, supports, cable/wire, terminations, identification, cable testing
 - b. The Owner (Day Automation) shall supply final technology devices, panels, headend equipment and installation and testing for a complete system
3. Fire Alarm
 - a. The Electrical Contractor shall install infrastructure power needs for main/sub panels
 - b. The Electrical Contractor shall install infrastructure items, such as conduit, boxes and supports.
 - c. The Owner (ADT) shall install infrastructure items cable/wire, identification, cable testing
 - d. The Owner (ADT) shall supply final devices, panels, headend equipment, installation and testing for a complete system
4. Lockdown System
 - a. The Owner (Eastern Datacom) shall supply final devices, panels, headend equipment, installation and testing for a complete system
5. Security Cameras
 - a. The Electrical Contractor shall install infrastructure items, such as conduit, supports, cable/wire, identification, cable testing
 - b. The Owner (Day Automation) shall supply final devices, panels, headend equipment, installation and testing for a complete system

6. Mechanical Equipment
 - a. The Electrical Contractor shall install infrastructure power needs for mechanical equipment
 - b. The Mechanical Contractor shall install Owner provided material per Trane's proposal has been included via an Addendum to this section for inclusions/incorporation as to what will be provided by whom.
 - c. The Owner (Trane) shall furnish the equipment in the following specification sections and described on Drawing M702. Mechanical Contractor shall take delivery of material and store on site upon its delivery. Coordinate with storage as required to maintain schedule and install equipment the specifications and manufacture requirements
 - a. 237413 PACKAGED, OUTDOOR, CENTRAL-STATION AIR HANDLING UNITS
 - b. 238126 SPLIT-SYSTEM AIR CONDITIONERS
7. Phones
 - a. The Electrical Contractor shall install infrastructure items, such as conduit, supports, cable/wire, terminations, identification, cable testing
 - b. The Owner (School District) shall supply final technology devices, panels, headend equipment and installation and testing for a complete system
8. Building Management System Controls
 - a. The Electrical Contractor shall install infrastructure power needs for main/sub panels
 - b. The Owner (Trane) shall furnish and install Spec Section 23 0900 and 23 0993
 - c. The Mechanical Contractor shall coordinate with BMS provider on access, coordination drawings, submittals, infrastructure requirements, installation schedule, to ensure all required points are maintained for control.
9. Access Control
 - a. The General Contractor shall provide and install doors, frames, glazing, accessories, trim, saddles etc..
 - b. The Electrical Contractor shall install infrastructure items, such as conduit, supports, cable/wire, terminations, identification, cable testing for access readers
 - c. The Owner (Day Automation & Kelley Bros.) shall provide all hardware sets
 - d. The General Contract shall install all Owner provided hardware sets
 - e. The Owner (Day Automation) shall supply final technology devices, panels, headend equipment and installation and testing for a complete system
10. Classroom Furniture
 - a. The Owner (School District) shall provide and install all furniture
11. Bathroom Accessories

The Owner (School District) shall provide paper towel dispenser, soap dispenser, toilet paper dispensers for the General Contractor to install.

1.8 GENERAL CONSTRUCTION CONTRACT

Work in the General Construction Contract includes Architectural, Structural, Masonry, Roofing, Finishes, Blocking for Equipment, Sitework, plus other construction operations traditionally recognized as General Work Construction. This includes, but is not limited to, work shown on the following:

- a. Drawings:
 - a. All "title sheets, general notes, code compliance and Phasing Drawings" (General)
 - b. All "CC" series Drawings (Code Compliance)
 - c. All "C" series Drawings (Site Plan)
 - d. All "S" series Drawings (Structural)
 - e. All "A" series Drawings (Architectural)
 - f. All "G" "GEN", Drawings, as it pertains to Work of this Contract
 - g. Applicable information as shown on the "M" "P" "FP" "E" "FA" "PESP" drawings, unless noted otherwise. It also includes Administrative and coordination responsibilities.
 - h. All reference to other drawings from all other drawing listed above

- b. Coordination:
 - a. Coordination with their work with all of the other contractors.
 - b. Coordinate with Owner Supplied - State Contract scope of work, see section for details

- c. Demolition:
 - a. Removal of any all exterior sitework, including but not limited to concrete, railings, fence, foundations, slabs, curbs, stairs, bituminous paving, asphalt, pavers, footings and sidewalks as shown or described as it relates to the scope shown or required to install new work to the exterior of the building.
 - b. Removal of all underground utilities and/or equipment as shown or described as it relates to the scope shown.
 - c. General Contractor to perform all cutting and patching necessary for work of this contract, including layout, sleeves, coring, debris removal, saw cuts of existing slabs/walls, patch/pinning or dowels, subfloor trenching, lintels, drywall work, plaster work, grouting, painting, ceiling removal and replacement, etc. This trade contractor will be responsible for other trades openings (cutting and infill). Coordinate with other trades for access and finish of their scope of work.
 - d. Provide and install shoring bracing, underpinning, sloping/benching as related to the exterior site work; provide for excavation and structural backfill for footing, foundations, trenches and ground openings.
 - e. Provide and install shoring, bracing, supports needed for the installation/opening for new work, to include, but not limited to the roof deck, walls, concrete slabs between floors, and other openings/removals.
 - f. Selective/miscellaneous demolition after a cleared work area, as needed for new install.

- d. Temporary Facilities
 - a. Temporary facilities and controls that are not otherwise specifically assigned to the Mechanical Contract or Electrical Contract.

- b. Sediment and erosion control.
- c. Storm water control.
- d. Unpiped temporary toilet fixtures, wash facilities, and drinking water facilities, including disposable supplies at each facility for the duration of the project
- e. Dewatering facilities and drains.
- f. Excavation support and protection, unless required solely for the Work of another contract.
- g. Special or unusual hoisting requirements for construction activities, including hoisting loads in excess of 2 tons, hoisting material or equipment into spaces below grade, and hoisting requirements outside building enclosure.
- h. Project identification and temporary signs for construction
- i. General waste disposal facilities including dumpsters for the project duration at each school for all trades. Specific Contracts to also carry general waste of their specific removed/demolished articles of work.
- j. Pest control.
- k. Temporary stairs.
- l. Temporary fire-protection equipment.
- m. Barricades, warning signs, and lights.
- n. Site enclosure fence as shown or directed in the field
- o. Covered walkways as shown
- p. Security enclosure and lockup.
- q. Environmental protection.
- r. Dust mitigation/containment and control measures i.e. "zip walls", plastic may need to be required in classrooms, hallways, office, to protect unmoved equipment, furniture, finishes, as required and as directed.
- s. Restoration of Owner's existing facilities used as temporary facilities.
- t. Site restoration, topsoil seed and straw for damaged lawns due to temporary storage units
- u. Provide dust protection and temporary site/security fencing, reference phasing and logistics plan
- v. Provide temporary roads/ access and continuous exits in and out of the construction area as shown. Provide stone entry pad at staging yard. Repair back to natural state when complete. Provide work as shown on the phasing and logistics plan.
- w. Provide temporary access and continuous exits in and out of all construction areas
- x. Provide frost protection during excavation; protect concrete slab and masonry from cold temperatures during and after pour.
- y. Protect exterior wall and interior spaces when performing tie in work for new addition and any type of window wall replacements.
- z. Provide all temporary partitions, egress doors, and temporary egress parameters indicated by the CM inside and outside the building. Restore all areas to original condition upon completion. Review Logistics and Phasing Plans.
- aa. Provide Temporary Facilities indicated as Work of this

Contract in Division 1 Section 01 5000, "Temporary Facilities and Controls"

- bb. Provide all temporary fall protection, guardrails, handrails, slab and roof openings protection, temporary stairs and ramps as required. Include maintaining these items throughout the project as well as removal when no longer needed.
- cc. Provide Temporary storage for salvaged materials as indicated on the drawings until reinstallation of such materials.
- e. New Construction:
 - a. The General Construction Work Contract shall perform all necessary trenching and excavation, backfilling, and compaction and field restoration required for all other primes. Include setting of precast material provided by other trades
 - b. Earthwork
 - I. GENERAL: All earthwork shall be confined to the construction area as shown on the plans, and shall be done in an approved manner with proper equipment. Earthwork shall be suspended during rain and inclement weather, or when unsatisfactory field conditions are encountered, unless otherwise directed by the AE and CM. At all times during construction, the CONTRACTOR shall maintain proper drainage in the construction area, and shall take all measures necessary for erosion and sediment control.
 - II. Existing Utilities: CONTRACTOR shall take every precaution to protect existing utility services from damage during construction operations. If damage occurs, the OWNER of the utility shall be notified immediately, and repairs shall be made promptly at the CONTRACTOR'S expense. All repair work shall be satisfactory to the AE and CM and the OWNER of the utility. When interruptions of existing utilities occur, temporary service shall be provided as approved by the AE and CM and OWNER of the utility.
 - c. Dressing Off: All cuts, fills and slopes shall be neatly dressed off to the required grade or subgrade, as indicated on the plans.
 - I. Cleanup: Cleanup of the site shall be made upon completion of grading work or any major part thereof. Unless otherwise noted, excess or surplus material shall be wasted and dressed off on the site, or adjacent thereto, to the AE and CM'S satisfaction. Excess or surplus material wasted in off- site spoil areas shall be spread and leveled as directed.
 - II. Topsoil Placement: Topsoil shall consist of a natural friable loam, occurring usually in a surface layer 6 to 18 inches thick, and free of roots, grass, weeds, stone and other foreign matter. Topsoil may be obtained from the graded area, if available, and stockpiled for future use. Otherwise,

the CONTRACTOR shall provide topsoil from other sources at his own expense. All topsoil shall be acceptable to the AE and CM. Topsoil shall be placed on the entire graded area as shown on the plans, or as directed by the AE and CM. Topsoil shall be distributed to a depth of 4 inches, measured loose, and dressed off neatly to finish grade, with all debris removed. Topsoil shall receive final dressing of seed and mulch or straw and watered until germination.

- d. Provide and underground all utilities and drainage. Contractor to excavate, install new work, backfill and restoration.
 - I. General Contractor shall excavate the trench for the Electrical Contractor. Electrical Contractor to install conduit/new work for the General Contractor to backfill and restore. General Contractor shall excavate and place precast concrete light pole bases. General Contractor shall provide concrete light pole bases. Anchor bolts and templates to be supplied by the Electrical Contractor.
 - II. General Contractor shall excavate the trench for the Plumbing Contractor. Plumbing Contractor to install piping/new work for the General Contractor to backfill and restore.
 - III. General Contractor shall excavate the trench for the Plumbing Contractor for gas piping. Plumbing Contractor to install gas piping. General Contractor to backfill and restore.
- e. Provide and install all site work including sidewalks, curb, paving, stripping, basketball court, signage, mulch, topsoil/seeding, planters, seating, bollards, fire hydrant and connection,
- f. Provide temporary and permanent driveway, parking lot paving and drainage as required.
- g. Areas modified for construction/staging/etc.. to be placed back to its natural state once construction is complete by this trade.
- h. Provide all site signage as requested by the CM. Example; Gates, Hard hat area, No smoking, Construction personnel only, Exit signs, Etc..
- i. The General Construction Contract is to provide rough opening in walls, floors, and roofs both inside and out, including lintels and any required structural framing for penetrations as part of this Contract. All lintels and/or framing are to be sized per the Architect.
- j. Provide all associated lintels at new or old openings as shown. Coordinate with mechanical trades. Removal and

replacement of ceilings as required to perform work by this trade.

- k. Provide and install interior construction finishes, including partitions, doors-frames-hardware, thresholds, sills, signage, storefronts, pass thru windows, interior glazed openings, and fittings and all work required to install select work. Provide all steel required at new openings, coordinate with all Prime contracts. Power for electrified hardware to be provided by the Electrical Contractor.
- l. Provide and install, interior finishes such as rough carpentry finish carpentry, ceilings, architectural woodwork, filler panels. Built-in casework shall be by other. Salvage and re-install work as applicable.
- m. Provide repairs to masonry and concrete structures and openings. Patch to match exterior and interior finishes including work from other trades. Provide and install sitework restoration on disturbed areas, regardless of cause during construction of; asphalt, concrete, curb, topsoil, seed etc..
- n. Provide and install thermal and moisture protection as required
- o. Provide and install Purple (moisture resistant) gypsum wallboard in all wet areas and finishing for same.
- p. Provide and install finishes and subfloor prep requirements including polished concrete, terrazzo, tile flooring, resilient vinyl tile, ceramic tile. carpeting, base cove, painting, high performance coatings, grout, caulk, setting material, suspended acoustical and gypsum walls/ceilings, chassis ways/walls, grid/track/studs, insulation. Provide self-leveling underlayment and/or other surface prep as required by manufacturer to allow for acceptable flooring installation. Patch existing floor penetrations for installation of new work. This to include any moisture mitigation requirement by the flooring manufacturer due to site conditions.
- q. Include surface prep as required by the product manufacturer. Remove and re-install obstructions as needed for finish work installation.
- r. Provide all building signage, fire-protection specialties, visual display boards, as indicated or directed by CM.
- s. Provide temporary hard protection over finished products. Include maintenance and removal of protection. Contractor shall anticipate that all existing areas to receive new flooring shall require both light grinding and self leveling underlayment. Provide additional flash- patching where old walls were removed.
- t. Provide and install exterior façade. Include existing work such as repairs such as pointing, repointing cracks repairs, facade replacement, new lintels, lintel replacements, expansion joints, caulk. Include infills, removals, waterproofing, anchors etc. as detailed

- u. Mechanical Contractor to provide and install new mechanical equipment. Roof mounted equipment installation shall be coordinated for location and building tie-in. Curb material will be provided by the Mechanical Contractor. The roofing, insulation and curb cut in shall be by the General Contractor, along with all necessary, waterproofing, etc.. Any structural support modifications and building envelope penetrations will be by General Contractor.
- v. Provide and install roofing scope as shown, including patching, coverings, flashings, roof specialties and glazed openings. The roofing shall be by the General Contractor, along with all necessary supports, waterproofing, manufacturer inspection for a new and complete system.
 - I. Provide New Roof Work, as directed in and/or via approved Alternates, as specified. It is the intent to provide a new roofing system, per the manufacturer, with warranty as noted. Provide workmanship and material that will satisfy the requirements of the manufacturer.
 - II. Provide new insulation, taper if required for slope, and other deck infill/backing
 - III. Provide all fasteners, chemically and/or mechanically
 - IV. Provide metal scope, including but not limited to ladders copings, scuppers, terminations, ladders, hatches, railings, flashing and counterflashing etc. as shown. This includes prep work when existing is to remain and adjoin to new work.
 - V. Provide and Install all rough and finish carpentry, blocking and fascia work as shown.
 - VI. Provide and Install flashing, counter-flashing repair and elastomeric coatings, through wall flashing with reglet details as shown.
 - VII. Provide roof walkway pads entirely around roof mounted mechanical equipment.
 - VIII. Provide expansion joints as shown
 - IX. Provide thermal and moisture protection.
 - X. Provide Warranty Training on new system.
 - XI. Where new work abuts existing work, care shall be taken to seem the work together keeping a watertight connection and aesthetics acceptable to the Engineer and Manufacturer.
 - XII. Provide and install skylights including curbs, exterior and interior flashing and painting. Contractor to waterproof system into new roofing system as required by the roofing manufacturer.
 - XIII. All roofing work in accordance with new roofing application/manufacturer. If details are different than those shown in the project documents, follow details provided by the manufacturer.
- w. Provide and install all gutters, downspouts, supports and site drainage for a complete system
- x. Provide and Install all misc. metals including but not limited to handrails, railings, structural steel support, supports for openings/lintels
- y. Provide and Install Windows to include, but not limited to; windows, blocking, lintel, flashing, trim, caulking, shades, sills,

- stickers, glazing, bug screens, painting insulating etc., for a complete system both exterior and interior.
- z. Provide and Install Bleachers, Gym Accessories, Gym Floor, Scoreboard, Wall Pads as shown
 - aa. Provide and Install Movable Partitions System.
 - bb. Provide and Install spray fireproofing, interior and exterior. Coordinate with other Primes prior to performing work.
 - cc. Provide and Install concrete (ardex) floor leveling. Coordinate with other Primes prior to performing work.
- f. Misc. Inclusions
- a. Contractor shall include prime coats, final painting, stone, brick, ceiling tile, gypsum, plaster, chalk, grout, floor tile etc.. Paint entire patched wall, corner to corner. Color/Finish to be coordinated with Owner prior to commencing. "Patch" to match existing at the following conditions
 - I. At all removed existing walls.
 - II. At all new door openings cut through existing walls.
 - III. At all new walls in existing construction.
- g. Include (furnish, and install, unless noted otherwise):
- a. As indicated on the plans.
 - b. Provide exterior and interior equipment and housekeeping pads, structural slabs etc. including but not limited to including formwork, rebar, pins, sleeves, finishing, etc. for completion of work
 - c. Provide and install Bathroom finishes and accessories.
 - d. Provide within the Base Bid, furnish and install additional to the contract documents, 1,000 square feet of finished sheetrock and support, paint etc.. at the direction of the CM. This work shall be used for Owner requested items, bulk heads, chase-ways, infills and excessive patch areas.
 - e. Provide Professional cleaning prior to substantial completion including but not limited to, window washing, vacuuming of carpeting, and waxing of flooring. This shall be done with all trades complete. A Third Party vendor is required and must be submitted for approval. This work shall be itemized on the baseline schedule in order to maintain Owner acceptance date.
 - f. Provide and Install Misc. access for work, as directed by the AE or CM;
 - I. Four 18" x 18" fire-rated access doors for gypsum wallboard
 - II. Four 18" x 18" fire-rated access doors for masonry construction.
 - III. Four 8" x 8" non-rated, primed steel, trimless, access doors for gypsum wallboard construction.
 - g. General Requirements, including but not limited to, additional items specifically indicated as the Work of this Contract.

The Work of the General Construction Contract includes but is not limited to the Work that is specified in the Project Manual(s) and as shown on the drawings that form the contract plans. The Contractor is directed to examine all drawings since certain

details and/or notes may appear anywhere therein that apply to his/her particular work. This prime contract is defined as, and includes, all Sections in the Divisions indicated by reference, and specific Sections noted:

1. Division 0 – Procurement and Contracting Requirements - All Sections
2. Division 1 – General Requirements, All Sections, including Temporary Facilities
3. Division 2 – Existing Conditions - As applicable to work of this contract
4. Division 3 – “Concrete” All Sections
5. Division 4 – “Masonry” All Sections
6. Division 5 - “Metals” All Sections
7. Division 6 - “WOOD, PLASTICS, AND COMPOSITES” All Sections
8. Division 7 – “THERMAL AND MOISTURE PROTECTION” All Sections
9. Division 8 – “OPENINGS” All Sections
10. Division 9 – “FINISHES” All Sections
11. Division 10 – “SPECIALTIES” All Sections
12. Division 11 – “Equipment” All Sections
13. Division 12 – “Furnishings” All Sections
14. Division 31 – “Earth Work” All Sections
15. Division 32 – “Exterior Improvements” All Sections
16. Division 33 – “Utilities” All Sections

1.9 ELECTRICAL CONTRACT

Work of the Electrical Contract includes a complete working system for system such as Electrical Distribution Service, Lighting, CATV systems, Communications, Fire Alarm, Intercom Systems, Security Systems, Emergency Lighting, and other systems traditionally recognized as Electrical work. This includes, but is not limited to, work shown on the following:

1. Drawings:
 - a. All "title sheets, general notes, code compliance and Phasing Drawings" (General)
 - b. All “CC” series Drawings (Code Compliance)
 - c. All “E” series drawings (Electrical)
 - d. All “FA” series drawings (Fire Alarm) – reference Owner Supplied - State Contract for scope details
 - e. All “PESP” series Drawings (Plumbing & Electrical Site Plan)
 - f. All "GEN" series Drawings, as it pertains to Work of this Contract
 - g. Applicable information shown on the “C” “S” “A” “P” “FP” “M” drawings, unless noted otherwise. It also includes Administrative and coordination responsibilities.
 - h. All references to other drawings from drawings listed above.
2. Coordination:
 - a. Coordination with the work with all of the other contractors.
 - b. Coordinate with Owner Supplied - State Contract scope of work, see section for details

3. Demolition
 - a. Coordinate with the General, Plumbing and Mechanical Contractors for necessary shutdowns and disconnects. Remove and reinstall equipment, obstructions, etc. as required for the installation of new work required by other Prime's scope.
 - b. Remove/demo all material finishes required to install new work. Contractor to replace/restore surfaces back to existing conditions.
4. Temporary Facilities
 - a. Provide Temporary Facilities indicated as Work of this Contract in Division 1 Section 01 5000, "Temporary Facilities and Controls"
 - b. Provide temporary lighting applicable to OSHA requirements until permanent lighting is established for the duration of the project.
5. Construction:
 - a. Selective/miscellaneous demolition after a cleared work area, as needed for new install.
 - b. Selective demolition in a safe and approved manner (LOTO)
 - c. Provide and install panels, conduit, wire, enclosures, junction/splice boxes grounding, terminations, tagging/labeling of new work
 - d. Provide and install electrical equipment such as transformers, junction boxes, panels, breakers, enclosures, switch gear, pull boxes, supports, etc..
 - e. Provide and install power to all mechanical and plumbing equipment, reference applicable drawings. Disconnect and safe as required for reuse. Reconnect power to new equipment as required. Prior to disconnecting, in a reasonable timeline, record panel, breaker, wire size, amps, voltage, phase information for the A/E and MC for coordination of new equipment submittals.
 - f. Salvage all required equipment and re-install as applicable
 - g. Provide and install Interior and Exterior Lighting, including poles, supports, emergency and exit lighting, sensors, controls, cable/wire for a complete system as required by the manufacture per the design intent.
 - h. Provided in wall cores for system/equipment penetrations. Firestop according to wall type.
 - i. Provide and install all bonding and grounding
 - j. Provide all power wiring to all HVAC equipment. Install motor controllers/disconnects supplied by Mechanical Contractor. Reference Mechanical drawings for equipment count, type, size and coordinate. Bring to the Architects attention any discrepancies between the mechanical and electrical schedule during the procurement period.
 - k. Mechanical Contractor to provide pumps, motor starters, VFDs etc.. Disconnects to be provided by Mechanical Contractor. Coordinate installation of power wires, conduits etc. from source to various equipment. Controls to be by Mechanical Contractor.
 - l. Provide power to all ADA automatic door operators shown in door hardware schedule. Provide additional conduits for connections to door operator push buttons. Coordinate with other Primes and

Owner Vendors prior to installing new work.

- m. Provide all phone, CAT, and communication/networking work/systems as shown.
- n. Provide and install Lightening protection inclusive of a complete system
- o. Provide all fees required for inspections and permits.
- p. Furnish access doors for electrical access (to be installed by GC)
- q. Provide and maintain a temporary electric service, including lighting and power, for the site office trailers off of the temporary service being provided General Requirements, including but not limited to, additional items specifically indicated as the Work of this Contract.

The Work of the Electrical Work Contract includes but is not limited to the Work that is specified in the Project Manual(s) and as shown on the drawings that form the contract plans. The Contractor is directed to examine all drawings since certain details and/or notes may appear anywhere therein that apply to his/her particular work. This prime contract is defined as, and includes, all Sections in the Divisions indicated by reference, and specific Sections noted:

- 1. Division 0 – Procurement and Contracting Requirement, All Sections.
- 2. Division 1 – General Requirements All Sections, including Temporary Facilities indicated
- 3. Division 2 – Existing Conditions - As applicable to work of this contract
- 4. Division 7 – “THERMAL AND MOISTURE PROTECTION” As applicable to work of this contract
- 5. Division 23 – “Heating Ventilating and Air Conditioning” As applicable to work of this contract
- 6. Division 26 – “Electrical” - All Sections

10. PLUMBING CONTRACT

Work of the Plumbing includes Plumbing as a working finish system such as supply, venting, drainage, fixtures, supports, pipe, insulation, plus other construction operations traditionally recognized as plumbing work. This includes, but is not limited to, work shown on the following:

- 1. Drawings:
 - a. All "title sheets, general notes, code compliance and Phasing Drawings" (General)
 - b. All “CC” series Drawings (Code Compliance)
 - c. All “P” series drawings (Plumbing)
 - d. All “FP” series drawings (Fire Protection)
 - e. All “PESP” series Drawings (Plumbing & Electrical Site Plan)
 - f.
 - g. All "GEN" series Drawings, as it pertains to Work of this Contract
 - h. Applicable information shown on the “C” “A” “S” “E” “FA” “M” drawings, unless noted otherwise. It also includes Administrative and coordination responsibilities.
 - i. All references to other drawings from drawings listed above.

2. Coordination:
 - a. Coordination with the work with all of the other contractors.
 - b. Coordinate with Owner Supplied - State Contract scope of work, see section for details

3. Demolition
 - a. Coordinate with the General, Electrical and Mechanical Contractors for necessary shutdowns and disconnects. Remove and reinstall equipment, obstructions, etc. as required for the installation of new work required by other Prime's scope.
 - b. Remove/demo all material finishes required to install new work. Contractor to replace/restore surfaces back to existing conditions.

4. Temporary Facilities
 - a. Provide Temporary Facilities indicated as Work of this Contract in Division 1 "Temporary Facilities and Controls"

5. Construction:
 - a. Selective/miscellaneous demolition after a cleared work area, as needed for new install.
 - b. Salvage and re-install work as applicable.
 - c. Provide and install potable water supply and distribution including valves, hoses, support, insulation, fittings and applicable accessories
 - d. Provide and install insulation on all new work. Tie into existing lines and insulate up to existing work for a unified insulation performance.
 - e. Provide and install bathroom fixtures, supports, anchors, shutoffs, covers, and applicable accessories.
 - f. Provide and install drainage pipe, cleanouts, vents covers etc. as required
 - g. Provide and install water fountains for a complete system.
 - h. Provide and install water service testing, connections, and commissioning
 - i. Provide and install, a complete delegated design fire protection / sprinkler system including pipe, hangers, fire pump and testing for a complete system.
 - j. Provided inwall cores, openings, etc. for system/equipment penetrations, firestopping.
 - k. Contractor to provide and install new additional valves above and beyond what is shown on the drawings – (5) five 1", (2) 1 ½", (2) 2", (1) 3" for pricing purposes. Exact sizes and location to be determined in the field, at the direction of the construction manager.
 - l. Provide and install plumbing piping, hangers, fittings, valves, joints and applicable accessories including insulation, labels, tags, expansions joints for a maintainable system.
 - m. Provide and install gas lines including supports, connections, sleeves, testing, labeling for a complete system.
 - n. Provide and install all roof drains, pipe, insulation, supports for a complete system. Plumbing Contractor shall coordinate with General Contractor on location and elevation of drains.

- o. Provide and install all labeling, startup, cleaning, disinfection, chemicals, testing, inspection, permits, balancing, commissioning etc..
- p. Provide Training on new systems and equipment.
- q. Provide the necessary layout for all equipment and penetrations with other Contracts

The Work of the Plumbing Work Contract includes but is not limited to the Work that is specified in the Project Manual(s) and as shown on the drawings that form the contract plans. The Contractor is directed to examine all drawings since certain details and/or notes may appear anywhere therein that apply to his/her particular work. This prime contract is defined as, and includes, all Sections in the Divisions indicated by reference, and specific Sections noted:

- 1) Division 0 - Procurement and Contracting Requirement, All Sections
- 2) Division 1 – General Requirements, All Sections, including Temporary Facilities indicated
- 3) Division 2 – Existing Conditions, As applicable
- 4) Division 7 – “THERMAL AND MOISTURE PROTECTION” As applicable to work of this contract
- 5) Division 21 – “Fire Suppression” All Sections
- 6) Division 22 – “Plumbing” All Sections

11. MECHANICAL CONTRACT

Work of the HVAC Contract includes, but is not limited to, the following: Includes HVAC as a complete working finish system such as equipment, piping, ductwork, insulation, control systems, supports, plus other construction operations traditionally recognized as heating, ventilating and cooling work. This includes, but is not limited to, work shown on the following:

- 1. Drawings:
 - a. All "title sheets, general notes, code compliance and Phasing Drawings" (General)
 - b. All “CC” series Drawings (Code Compliance)
 - c. All “M” series drawings (Mechanical)
 - d. All "GEN" series Drawings, as it pertains to Work of this Contract
 - e. Applicable information shown on the “C” “S” “A” “PESP” “E” “FA” “P” “FP” drawings, unless noted otherwise. It also includes Administrative and coordination responsibilities.
 - f. All references to other drawings from drawings listed above.
- 2. Coordination:
 - a. Coordination with the work with all of the other Prime Contractors.
 - b. Contractor to be lead Contractor responsible for Coordination Drawings, organizing Prime Contractors with information required and the point for identifying conflicts and bringing them to the attention of the Engineer for resolution
 - c. Coordinate with Owner Supplied - State Contract scope of work, see section for details

3. Demolition
 - a. Coordinate with the General, Plumbing and Electrical Contractors for necessary shutdowns and disconnects. Remove and reinstall equipment, obstructions, etc. as required for the installation of new work required by other Prime's scope.
 - b. Remove/demo all material finishes required to install new work. Contractor to replace/restore surfaces back to existing conditions.
4. Temporary Facilities
 - a. Provide Temporary Facilities indicated as Work of this Contract in Division 1 "Temporary Facilities and Controls"
5. Construction:
 - a. Selective/miscellaneous demolition after a cleared work area, as needed for new install.
 - b. Remove and dispose of all unused equipment, fuel lines, piping, etc.. adjacent to the new work and/or as shown on the Drawings
 - d. Mechanical Contractor to provide and install new mechanical equipment. Roof mounted equipment installation shall be coordinated for location and building tie-in. Curb material will be provided by the Mechanical Contractor. The roofing, insulation and curb cut in shall be by the General Contractor, along with all necessary, waterproofing, etc.. Any structural support modifications and building envelope penetrations will be by General Contractor.
 - c. Provide and install Ductwork (metal or otherwise), supports, grilles, louvers, valves, dampers hatches, insulation, and applicable accessories
 - d. Adjust (add or remove) necessary duct extensions to make up the difference in height/locations or other necessary adjustments for grills/louvers etc. in the ceilings.
 - e. Provide and install Exhaust fans, hoods, motors, fan, equipment, , penetrations, pitch pockets, and applicable accessories for a complete system. Curbs to be provided by the Mechanical Contractor for the General Contractor to install.
 - f. Provide and install Pumps, controls, motor starters, VFDs. Disconnects to be provided by Electrical Contractor. Coordinate installation of main power from disconnect/breaker/panel.to be performed by Electrical Contractor.
 - g. Provide and install equipment, material, piping, insulation, support, local control (manufacturer) for a complete cooling system.
 - h. Support the new HVAC equipment controls including (Building Management System - BMS). Coordinate with the Owner on existing equipment tie-in.
 - i. Install all equipment as per the schedule on the "M" drawings. Contractor to take delivery from Owner (offload) and store/protect as required based on manufacture/equipment needs and installation schedule.

- j. Provide and install mechanical piping, hangers, fittings, valves, joints and applicable accessories including insulation, labels, tags, expansions joints for a maintainable system.
- k. Clean existing ductwork prior to system startup, replace filters as needed
- l. Mechanical Contractor to included construction filters and change them out with permanent ones prior to startup/turnover on all equipment.
- m. Provided in wall cores, openings, etc. for system/equipment penetrations. Penetrations for exterior louvers to be laid out by the Mechanical Contractor to be cut out by the General Contractor. General Contractor to provide all required lintels and wall finish repair. Mechanical Contractor to furnish and install the louvers.
- n. Provide and install all labeling, startup, cleaning, disinfection, chemicals, testing, inspection, permits, balancing, etc. Per the specifications Commissioning shall be provided by the Owner. Mechanical Contractor shall support, as needed, the Commissioning process until acceptance.
- o. Salvage and re-install work as applicable.
- p. Provide Training on new systems and equipment
- q. Install all controls components into air systems such as, but not limited to;
 - a. Install motor actuated dampers.
 - b. Install airflow measuring stations.
 - c. Install airside temperature and pressure sensors.
 - d. Install control valves.
 - e. Install temperature and pressure sensor wells, monitor sensors
- r. Provide all ductwork as indicated on the drawings
- s. Furnish access doors for HVAC access (to be installed by GC)
- t. Provide the necessary layout for all equipment and penetrations with other Contracts.
- u. Provide Owner training for Contractor provided equipment. General Requirements, including but not limited to, additional items specifically indicated as the Work of this Contract.

The Work of the HVAC Work Contract includes but is not limited to the Work that is specified in the Project Manual(s) and as shown on the drawings that form the contract plans. The Contractor is directed to examine all drawings since certain details and/or notes may appear anywhere therein that apply to his/her particular work. This prime contract is defined as, and includes, all Sections in the Divisions indicated by reference, and specific Sections noted:

- 7) Division 0 – Procurement and Contracting Requirement, All Sections.
- 8) Division 1 – General Requirements All Sections, including Temporary Facilities indicated
- 9) Division 2 – Existing Conditions - As applicable to work of this contract
- 10) Division 7 – “THERMAL AND MOISTURE PROTECTION” As applicable to work of this contract
- 11) Division 23 – “Heating Ventilating and Air Conditioning”, All Sections
- 12) Division 26 – “Electrical” As applicable to work of this contract

13. ADDITIONAL SCOPING

Definition of Extent of Prime Contract Work; Additional Prime Contract Work not previously described.

- a. All Prime Contractors are responsible for reviewing plans and specs as it pertains to their scope of work mentioned in the contract documents. Scopes of work referenced may be found in multiple locations throughout the plans, specifications and addendums. Contractor will conform their own bid set of documents.
- b. Local custom and trade union jurisdictional settlements do not control the scope of work included in the prime contract. When a potential jurisdictional dispute or similar interruption of work is first identified or threatened, the affected prime contracts shall promptly negotiate a reasonable settlement to avoid or minimize the pending interruption and delays.
- c. All OSHA safety and hazardous materials regulations will be enforced on this project. All Contractors must submit a safety program, a hazardous materials program, (all required data must be maintained at the job site) and attend safety meetings. Toolbox talks will be required from each prime/sub contractor.
- d. Contractors are responsible for removals and any debris caused by their work. A daily clean- up and disposal is required by each Contractor for the periods which that Contractor is performing work on site, on a day selected by the Construction Manager. Each trade will assign at least one person to the weekly clean-up; the name of this person is to be submitted to the Construction Manager. Any Contractor not providing personnel will be "back-charged" for labor provided by the Construction Manager.
- e. All exposed finishes must be ready to receive paint, etc.; all concealed openings (piping, ductwork, conduit, etc.) must be repaired to comply with specified wall or deck conditions.
- f. Multiple Crews: To maintain the project schedule, the Prime Contractor is to provide multiple crews as required. Each crew is to be furnished with its own supervision, equipment, access and other means necessary to maintain the Project Milestone Schedule.
- g. Supervision: The proposed project manager and field superintendent for the project is to have at least five years' experience in the proposed position. Each successful bidder shall submit resumes to the Construction Manager for the proposed project manager and field superintendent for the project. This information will be reviewed with the Owner, Architect and Construction Manager for approval. Should the Project Manager and/or Superintendent prove unqualified for the position at any point in the project, the Construction Manager shall issue a letter stating that the person is to be removed from involvement in the project. Action by the contractor must be made within seven working days of receipt of such letter.
- h. All Prime Contractors shall return areas disturbed by their work activities to condition prior to start of work when in occupied areas.

Timing to be coordinated with the Construction Manager and Owner.

- i. All Prime Contractors shall maintain within its field office a complete and current set of Contract Documents (including any Addenda, Change Orders, and Modifications thereto), approved shop drawings, samples, color schedules and other data pertinent to the Project.
- j. All Prime Contractors to survey existing work and submit to the Construction Manager a list of damaged areas (i.e. plaster walls, woodwork) prior to commencing work. Any damaged areas not identified prior to the work shall be the responsibility of the contractor/ Contractors working in that area. Construction Manager will have photos of existing conditions on file for reference. Failure to submit these photos, Contractor agrees that the location is free of damage/defect prior to the start of work.
- k. The General Contractor is required to submit a construction schedule based on the milestone dates to the Construction Manager for review and comment no later than 2 weeks after a Notice to Proceed for the work is issued. Other Prime Contractors have 5 days to complete their construction and submittal schedules after the General Contractor distributes the schedule. The General Contractor will continue to develop the schedule until all input is entered and agreed upon.
- l. Unless a specific item or material is noted as to remain the Owner's property or to become the Contractor's property (or similar words), any material having salvage or reuse value shall be inspected by the Owner. If the Owner wishes to retain this material, it shall be turned over to him on the site where directed. If the Owner designates the material as scrap, it shall become the Construction Manager's property and removed/disposed or from the site by the Contractor. Material having salvage value shall be carefully removed. If the Construction Manager designates the material as waste/debris, it shall become the Contractor's property and removed from the site by the contractor. Material having salvage value shall be carefully removed.
- m. When the building is occupied and fire alarm and safety system work is in progress, the Electrical Contractor shall continuously maintain the existing building's fire alarm and detection system, exit and emergency lighting system or provisions must be made by the Electrical Contractor to provide equivalent safety. Electrical Contractor must notify the Construction Manager and Owner of any non-operating systems immediately.
- n. All personnel on site shall at all times have all required personnel protective equipment on at all times.
- o. All personnel on site shall at all times have a photo ID displayed where visible. Those without will be removed from site at once. If the same individual fails to have the ID a second time they will be removed from site and not be allowed back on site.

14. TESTING

Required testing and test procedures are indicated under each Division of the Technical Specifications. Other testing shall be performed per generally accepted standards.

The Architect shall reserve the right to require additional information as is deemed necessary to fully evaluate testing results.

The Owner shall employ and pay for an independent testing and inspection agency for testing requirements of their work as assigned by this scope of work. All testing shall be per technical specification requirements. The Prime Contractor requiring testing will notify the Construction Manager 3 days in advance of the required testing to allow for coordination and scheduling. Failure to give sufficient notice will require the prime contractor to pay for alternate testing to satisfy the specification.

15. WORK SEQUENCE

The Work will be conducted to provide the least possible interference to the activities of the Owner's personnel.

All contract scopes of work in unoccupied areas of work can be performed weekdays from 7:00 AM to 3:30 PM unless otherwise noted. Work cannot be performed in occupied areas or adjacent to. Should work be required and coordinated, separation of work is mandatory per applicable codes/standards. When this is not feasible, work shall be scheduled off-hours, vacations and weekends for occupied areas. A representative from the Construction Manager firm must be on site at all times that work is being performed. Second shift is considered after bus dismissal and coordinated for various after school clubs/activities/operations. For the purpose of the bid, the scopes of work below are assumed to be second, shift, weekends or off shift times and included with the Base Bid;

- a. Any activity requiring access to student faculty occupied areas.
- b. Periods for student testing disturbances
- c. Tie-ins requiring shutdowns, for the duration of the outage.

If a contractor fails to maintain the progress as indicated by the milestone schedule by no other fault but its own, and requires overtime to complete the work; the contractor shall make arrangements with the Construction Manager 24 hours in advance and pay for a Construction Manager's superintendent at \$125.00 per hour. In the event that the cause for delay is multi-contract, then the costs shall be distributed evenly among contracts. Advise the Construction Manager 48 hours prior to commencing work inside the building.

Failure to progress the schedule in a fashion to maintain the overall completion date that causes other Primes to "accelerate" is subject to back charges as determined by the Architect and CM. Prime Contractor accelerating is to place CM and Prime on notice prior to any additional charges will be approved.

Coordination of any utility and/or power interruption must be done with the Construction Manager. Shutdowns must occur during off-hours and on days when the building is not occupied by the owner.

Construction access to the site shall be limited to those designated for contractor's personnel, equipment and deliveries by the Owner. Contractors' staging, parking and storage shall be coordinated by the Construction Manager.

Each Contractor shall inspect the site and review the AHERA report on file for the presence of asbestos. Unless otherwise noted, there will be asbestos containing material in place that will require work to take place in the vicinity of, around and/or next to. The prime contractor that will be working above ceilings, demolishing, in crawl spaces, boiler rooms and all other areas that may contain asbestos per the AHERA report, shall employ "Allied Trades: certified/licensed tradesman as part of the onsite workforce".

16. OCCUPANCY REQUIREMENTS

The General Work Contractor shall provide indoor air quality management as specified by the Department of Labor and OSHA for the building, when the building is enclosed, as determined by the Construction Manager.

- a. Provide an exhaust air system for the project indoor areas that could produce fumes, VOC's off-gasses, gasses, dusts, mists, or other emissions.
- b. Exhaust air system for the project areas that could produce emissions listed in Paragraph 1 shall be utilized.
- c. Provide temporary partitions and air seals to prevent the migration of airborne contaminants from unoccupied areas to occupied areas when applicable.

Quality assurance:

- a. Maintain a negative pressure between the work area and the space surrounding the
- b. Before start of work, submit a design for the exhaust air system. Do not begin work until approval of the Owner is obtained.
- c. Location of the machines in the work space.
- d. Description of the methods used to test air flow and pressure differential.

System operation:

- a. A sufficient quantity of exhaust fans in existing window openings or other approved locations shall be operated in accordance with the following applicable standards.
- b. Exhaust air system shall operate for a minimum of 72 hours after work is completed, or until all materials have cured sufficiently as to stop out gassing of fumes or odors and area has been ventilated to remove all detectable traces of odors and fumes.
- c. Maintain twenty-five (25) feet clearance from all temporary exhaust outlets to all active building outdoor air intakes.

17. PROJECT MILESTONE SCHEDULE

See the milestone schedule to be provided in Addendum.

All Prime Contractors are required to submit a schedule based on the milestone

dates to the Construction Manager for review and comment no later than 10 days after a Notice to Proceed for the work is issued.

18. ALLOWANCES

See Specification Section 01 21 00. Allowances are to be included in the base bid.

19. UNIT PRICES

See Specification Section 01 22 00. The Contractor shall state where requested on the Bid Form the amount for items listed in this section 01 22 00 Unit Prices.

20. ALTERNATES

The Contractor shall state where requested on the Bid Form the amount to be added to or deducted from the base bid for the alternates described in Section 01 23 00 - Alternates.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF
SECTION