



CONSTRUCTION MANAGEMENT
OWNER'S REPRESENTATIVE
CONSULTING

56 Lafayette Avenue, Suite 350
White Plains, NY 10603
Tel: 914-682-9423
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dchen@calgiconstruction.com
www.calgiconstruction.com

MEMORANDUM ADDENDUM #1

TO: All Bidders
FROM: David Chen
DATE: March 31, 2021
RE: Reconstruction to the Dobbs Ferry Springhurst Elementary School and Middle/High

Addendum #1 consists of 101 pages including this cover sheet

Attached for your review and information is **ADDENDUM # 1** consisting of Clarifications and Additions to:

- Drawings and Specifications Issued March 15, 2021

BID DUE DATE REMINDER

Bid Due: Monday, April 12, 2021 4:00 PM

RFI Reminder:

Submit RFI requests not less than 7 working days prior to the specified Bid Opening date and time”.

MANDATORY: Please sign your name and company below acknowledging receipt of Addendum #1, and email this form back to Calgi Construction Management. (Email: dchen@calgiconstruction.com)

Addendum # 1 Acknowledgement: _____
Name Company

Celebrating a Century of Construction Services

ADDENDUM NO. 1 dated March 31, 2021

Reconstruction to the Dobbs Ferry Springhurst Elementary School and Middle/High

This Addendum forms part of the Contract Documents and modifies the original bidding documents issued for bid. Such modifications shall be incorporated into the Contract Documents as if they had been included in the original bidding documents. Except as may be modified herein, all portions of the Contract Documents shall remain in full force and effect. Any term used herein with initial capital letters that is not otherwise defined herein shall have the same meaning ascribed to such term as defined in the Contract Documents.

BIDDERS MUST ACKNOWLEDGE RECEIPT OF THIS ADDENDUM BY INDICATES ON THE BID FORM THE NUMBERS RECEIVED.

I. CLARIFICATIONS:

See Attached Bid Addendum No. 1 provided by Tetra Tech Architects and Engineers

II. PROCUREMENT AND CONTRACTING REQUIREMENTS EDITS AND REPLACEMENTS

See Attached Bid Addendum No. 1 provided by Tetra Tech Architects and Engineers

III. SPECIFICATION EDITS AND ADDITIONS

See Attached Bid Addendum No. 1 provided by Tetra Tech Architects and Engineers

IV. DRAWING

- See Attached Roof Areas and Phasing Plan
- See Attached Bid Addendum No. 1 provided by Tetra Tech Architects and Engineers

V. CONTRACTORS' QUESTIONS AND ENGINEERS' RESPONSES

1. **QUESTION:** On the Middle/High School drawings BM01S and BM02S appear to be missing. Please advise.

RESPONSE: See Attached Bid Addendum No. 1 provided by Tetra Tech Architects and Engineers

2. **QUESTION:** Please confirm Alternate SES01 is for Site Contract and not GC Contract. Additionally, is the GC responsible for excavating on Alternate SES01 or the Site Contractor?

RESPONSE: See Attached Bid Addendum No. 1 provided by Tetra Tech Architects and Engineers

3. **QUESTION:** The height of the light poles is not shown. Please advise.

RESPONSE: See Attached Bid Addendum No. 1 provided by Tetra Tech Architects and Engineers

4. **QUESTION:** The height of the coiling door is not shown. Please advise. Additionally, please confirm there is only 1 coiling door.

RESPONSE: See Attached Bid Addendum No. 1 provided by Tetra Tech Architects and Engineers

5. **QUESTION:** Please confirm irrigation is by the Site Contractor.

RESPONSE: See Attached Bid Addendum No. 1 provided by Tetra Tech Architects and Engineers

6. **QUESTION:** Please confirm that all theatrical lighting and theatrical electric is by the electrician and not the GC.

RESPONSE: There are two specification sections that cover theatrical lighting fixtures and accessories (11 61 91) and theatrical electric (Dimming and control 26 61 11).

The theatrical lighting fixtures and accessories (11 61 91) specification and should be addressed by a Div 11 specialty theatrical subcontractor. This subcontractor is under the GC.

The theatrical electric (Dimming and control 26 61 11) specification is under the EC.

7. **QUESTION:** Please confirm the cyclorama on drawing E121 is by the electrician not the GC.

RESPONSE: The cyclorama is covered in the Div 11 61 33 Theatre Rigging specification and should be addressed by a Div 11 specialty theatrical subcontractor. This subcontractor is under the GC.

8. **QUESTION:** Please confirm the relocation of the batteries on drawing TE 112 is by the electrician.

RESPONSE: The batteries are covered in the Div 11 61 33 Theatre Rigging specification and should be addressed by a Div 11 specialty theatrical subcontractor. This subcontractor is under the GC.

9. **QUESTION:** Please confirm the theatrical rigging is by the electrician.

RESPONSE: The theatrical rigging is covered in the Div 11 61 33 Theatre Rigging specification and should be addressed by a Div 11 specialty theatrical subcontractor. This subcontractor is under the GC.

10. **QUESTION:** Please confirm the theatric demolition is by the electrician.

RESPONSE: The theatrical equipment demolition be carried out by a Div 11 specialty theatrical subcontractor. This subcontractor is under the GC.

11. **QUESTION:** Please confirm the projection screen on JV 121 (should read TV 121) is by the electrician.

RESPONSE: The projection screen is covered in section 27 41 16.61. This section should be addressed by an AV systems subcontractor, preferably one that has experience in performing arts. This subcontractor is under the GC.

12. **QUESTION:** Please confirm the electrician is responsible for the flying hoist on 3/TE 141.

RESPONSE: The hoist is covered in the Div 11 61 33 Theatre Rigging specification and should be addressed by a Div 11 specialty theatrical subcontractor. This subcontractor is under GC.

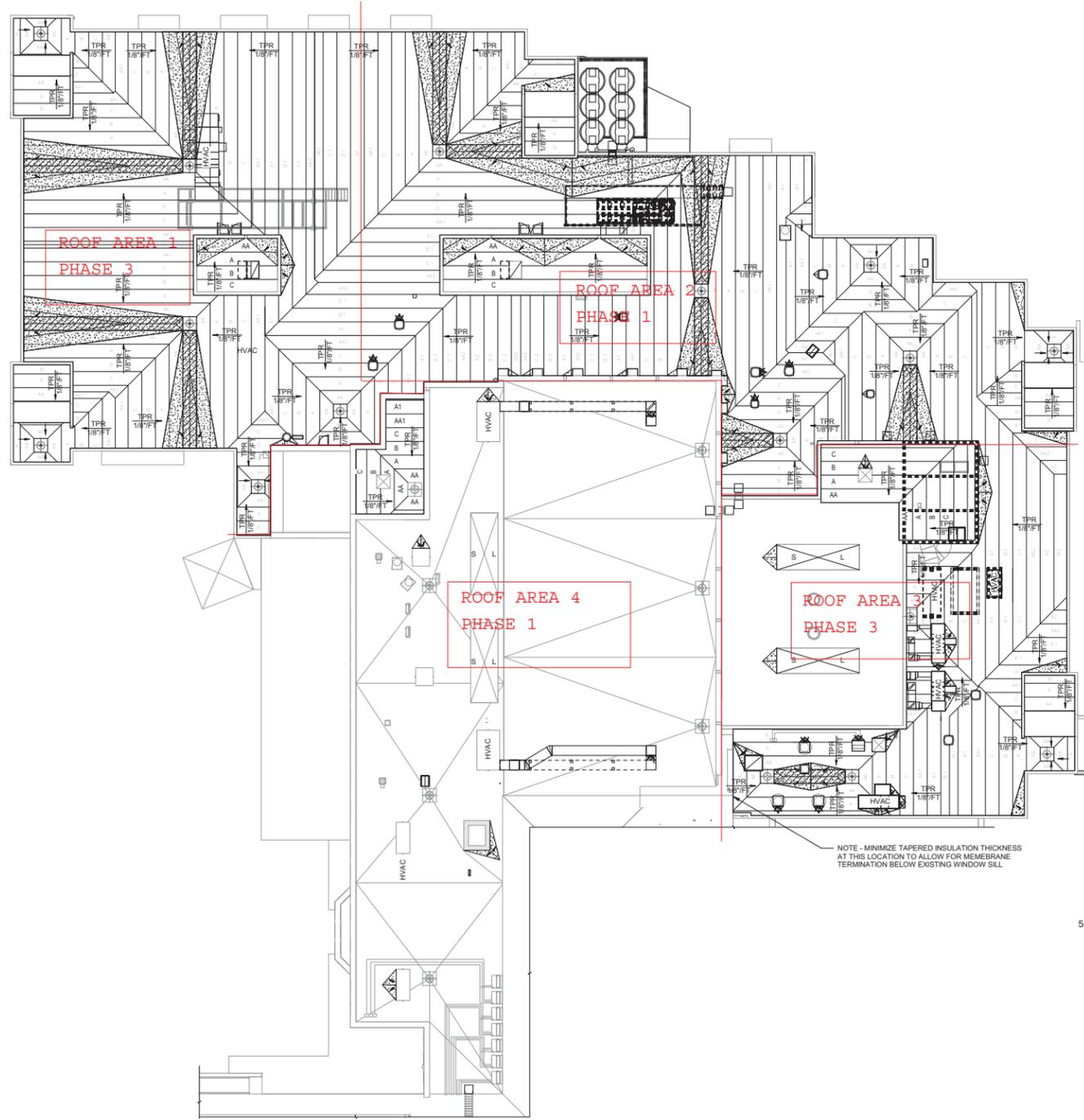
13. **QUESTION:** When is cutoff date and time for RFIs?

RESPONSE: As per the bottom of the RFI form: "Submit requests not less than 7 working days prior to the specified Bid Opening date and time".

14. **QUESTION:** Please forward addenda and minutes of meeting?

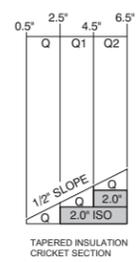
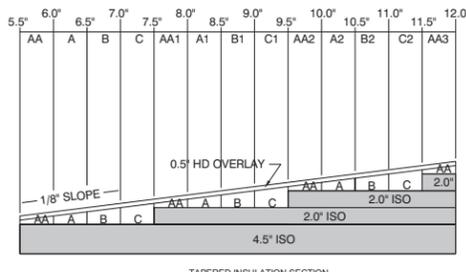
RESPONSE: See attached Pre-Bid Sign in Sheets.

END OF ADDENDUM No. 1



NOTE - MINIMIZE TAPERED INSULATION THICKNESS AT THIS LOCATION TO ALLOW FOR MEMBRANE TERMINATION BELOW EXISTING WINDOW SILL

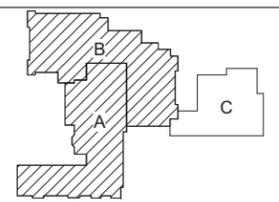
ROOF AREAS AND PHASING PLAN



Roof Legend (2011-05) arch-rlgnd

	AREA OF TAPERED INSULATION (TYP). SEE TAPERED INSULATION PLAN.
	AREA OF NO WORK, UNLESS NOTED OTHERWISE
	AREA OF EXPANDED LOW AREA 0.5\"/>
	AREA OF DETERIORATED ROOF DECK
	REPLACE ROOF DRAIN ASSEMBLY AT EXISTING LOCATIONS (TYP). PROVIDE TAPERED SUMP. SEE ROOF KEY NOTES FOR LOCATIONS.
	ROOF DRAIN INSERT IN EXISTING ROOF DRAIN (TYP). PROVIDE TAPERED SUMP. SEE ROOF KEY NOTES FOR LOCATIONS.
	DIRECTION OF DOWNWARD SLOPE OF SLOPED STRUCTURE.
	EXPANSION JOINT (TYP).
	DIRECTION AND DEGREE OF DOWNWARD SLOPE OF TAPERED INSULATION (MINIMUM 1/8\"/>
	DIRECTION OF DOWNWARD SLOPE OF TAPERED INSULATION CRICKET (1/2\"/>
	+X\"/>
	+X\"/> FLAT TOTAL THICKNESS OF AREA OF FLAT INSULATION INCLUDING COVERBOARD.
	ROOF SYSTEM TYPE RS-X.
	WALKWAY PAD (TYP).
	UNIT SKYLIGHT (TYP).
	BARREL VAULT SKYLIGHT ON CURB
	PIPE PENETRATION (TYP).
	ROOF CURB-MOUNTED VENTILATOR (TYP).
	ROOF CURB-MOUNTED EQUIPMENT (TYP).
	EQUIPMENT ON EQUIPMENT SUPPORTS (TYP).
	CONDUIT OR PIPE OVER ROOF ON SUPPORTS
	WIRE LOOSE OVER ROOF
	DUCT OVER ROOF ON SUPPORTS
	ABANDONED CURB TO BE REMOVED AND INFILLED

- Tapered Insulation Notes**
1. PROVIDE TAPERED CRICKETS AT ALL PENETRATIONS FOR CONTINUOUS DRAINAGE FLOW, TYP.
 2. PROVIDE TAPERED FIBER EDGE STRIPS AT ALL TRANSITIONS.
 3. PROVIDE TAPERED ROOF DRAIN SUMPS - SEE DETAILS 1 AND 2BA191.



Key Plan
N.T.S.

S.E.D. Control No. 66-04-03-03-0-001-019

Rev. No.: Date: Description:

Dobbs Ferry School District
Independent Thinkers Change Worlds

complex world CLEAR SOLUTIONS

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

BID SET

TETRA TECH
ARCHITECTS & ENGINEERS

Dobbs Ferry Union Free School District
Dobbs Ferry, New York

Reconstruction To:
Middle / High School

Tapered Insulation Plan

Drawn By: TLG	Date: 07/02/2020	Drawing Number:
Project No.:	BA193	
234903-20001		

1 Tapered Insulation Plan
1/16" = 1'-0"



TETRA TECH
ARCHITECTS & ENGINEERS

Cornell Business + Technology Park
10 Brown Road
Ithaca, New York 14850
Tel. (607) 277-7100
Fax (607) 277-1410

Addendum

Dobbs Ferry Union Free School District
Dobbs Ferry, New York

SED NO. 66-04-03-03-0-004-018
66-04-03-03-0-001-019

Reconstruction to
Springhurst Elementary School

Reconstruction to
Dobbs Ferry Middle School / High School

Tt Project No. 234903-20001

BID Addendum No. 1
to
Drawings and Project Manual

March 30, 2021

To: ALL BIDDERS

This ADDENDUM forms a part of the BIDDING AND CONTRACT DOCUMENTS and modifies the following documents:

Original DRAWINGS dated July 2, 2020.

PROJECT MANUAL dated July 2, 2020.

Acknowledge receipt of the ADDENDUM in the space provided on the FORM OF PROPOSAL

This ADDENDUM consists of (5) pages and the following:

ATTACHMENTS

PRE-BID REQUEST FOR INFORMATION QUESTIONS/ANSWERS

REISSUED PROJECT MANUAL SECTIONS

SECTION 00 41 00 - BID FORM SES-1 (GC) GENERAL CONSTRUCTION
SECTION 00 41 00 - BID FORM SES-2 (SC) SITE WORK CONSTRUCTION
SECTION 00 41 00 - BID FORM MHS-1 (GC) GENERAL CONSTRUCTION
SECTION 00 41 00 - BID FORM MHS-2 (RC) ROOFING CONSTRUCTION
SECTION 00 41 00 - BID FORM MHS-3 (MC) MECHANICAL CONSTRUCTION
SECTION 00 41 00 - BID FORM MHS-4 (EC) ELECTRICAL CONSTRUCTION
SECTION 01 23 00 – ALTERNATES
SECTION 32 92 00 – TURF AND GRASSES

NEW DRAWINGS (11 x 17)

AA01B Second Floor - Demolition Plan
BA01B Penthouse Roof Demolition Plan

NEW DRAWINGS (30 x 42)

AG200 SC Staging Plan
AG201 GC Staging Plan
BG200 Contractor Staging Plan
BA02B Partial Third Floor Demolition and Floor Plans

REISSUED DRAWINGS (30 x 42)

BA190 Roof Plan and Details
BA193 Tapered Insulation Plan
BS131 Demolition and Framing Plans - Areas A and B
BM701 Controls
BE105 Roof Demolition Plan

PROJECT MANUAL MODIFICATIONS

ITEM 1-C-1: Refer to SECTION 00 41 00 - BID FORM SES-1 (GC) GENERAL CONSTRUCTION

1. DELETE section in its entirety and, ADD new section attached to this addendum.

ITEM 1-C-2: Refer to SECTION 00 41 00 - BID FORM SES-2 (SC) SITE WORK CONSTRUCTION

1. DELETE section in its entirety and, ADD new section attached to this addendum.

ITEM 1-C-3: Refer to SECTION 00 41 00 - BID FORM MHS-1 (GC) GENERAL CONSTRUCTION

1. DELETE section in its entirety and, ADD new section attached to this addendum.

ITEM 1-C-4: Refer to SECTION 00 41 00 - BID FORM MHS-2 (RC) ROOFING CONSTRUCTION

1. DELETE section in its entirety and, ADD new section attached to this addendum.

ITEM 1-C-5: Refer to SECTION 00 41 00 - BID FORM MHS-3 (MC) MECHANICAL CONSTRUCTION

1. DELETE section in its entirety and, ADD new section attached to this addendum.

ITEM 1-C-6: Refer to SECTION 00 41 00 - BID FORM MHS-4 (EC) ELECTRICAL CONSTRUCTION

1. DELETE section in its entirety and, ADD new section attached to this addendum.

ITEM 1-C-7: Refer to SECTION 01 23 00 - ALTERNATES

1. DELETE section in its entirety and, ADD new section attached to this addendum.

PROJECT MANUAL MODIFICATIONS - LANDSCAPE

ITEM 1-C-8: Refer to SECTION 32 92 00 – TURF AND GRASSES

1. DELETE section in its entirety and, ADD new section attached to this addendum.

DRAWING MODIFICATIONS

ITEM 1-C-9: Refer to DRAWING G001 - TITLE SHEET

1. Springhurst Elementary School, General, ADD the following:
“AG200 SC Staging Plan
AG201 GC Staging Plan”
2. Middle / High School, General, ADD the following:
“BG200 Contractor Staging Plan”
3. Middle / High School, Architectural, ADD the following:
“BA02B Partial Third Floor Demolition and Floor Plans”
4. Middle / High School, Mechanical, DELETE reference to the following:
“BM01S Partial First Floor Plan – Area B and AHU Schedule
BM02S Ventilation Calculations”

DRAWING MODIFICATIONS - ARCHITECTURAL

ITEM 1-C-10: Refer to DRAWING AA600

1. Door Schedule, S-64/2 door type, AMEND to read as follows:
“G2”

ITEM 1-C-11: Refer to DRAWING BG351

1. Detail 2, ADD the following note:
“BY ALTERNATE NO. MHS-02”
2. Detail 3, ADD the following note:
“BY ALTERNATE NO. MHS-02”

ITEM 1-C-12: Refer to DRAWING BG352

1. Detail 2, ADD the following note:
“BY ALTERNATE NO. MHS-02”

2. Detail 3, ADD the following note:

“BY ALTERNATE NO. MHS-02”

ITEM 1-C-13: Refer to DRAWINGS BA100, BA101, BA102 and BA103

1. Key Note 1B, AMEND to read as follows:

“1B. SAW CUT OR ENLARGE EXISTING OPENING IN WALL TO EXTENT REQUIRED TO PERFORM SCHEDULED WORK. PROVIDE LINTEL PER LINTEL SCHEDULE. PATCH EXPOSED SURFACES TO MATCH ADJACENT FINISHES / SURFACES.”

ITEM 1-C-14: Refer to DRAWING BA190

1. DELETE drawing in its entirety and, ADD new drawing attached to this addendum.

ITEM 1-C-15: Refer to DRAWING BA193

1. DELETE drawing in its entirety and, ADD new drawing attached to this addendum.

ITEM 1-C-16: Refer to DRAWING BA600

1. Door Schedule, ADD the following:

“ROOM NUMBER: 400
DOOR NUMBER: 3
DOOR TYPE: F-PR
DOOR MATERIAL: FRP
DOOR WIDTH: 3'-6" +/- VIF
DOOR HEIGHT: 5'-2" +/- VIF
DOOR RATING: -
DOOR GLAZING: -
FRAME TYPE: F2
FRAME MATERIAL: AL
FRAME WIDTH: 7'-4"
FRAME HEIGHT: 5'-4" +/- VIF
FRAME RATING: -
FRAME GLAZING: -
FRAME HEAD: 1/BA600
FRAME JAMB: 2/BA600
FRAME SILL: 21/BA191 SIM
HDW SET: 10.0
REMARKS: NOTE 3.”

DRAWING MODIFICATIONS – STRUCTURAL

ITEM 1-C-17: Refer to DRAWING BS131

1. DELETE drawing in its entirety and, ADD new drawing attached to this addendum.

DRAWING MODIFICATIONS - MECHANICAL

ITEM 1-C-18: Refer to DRAWING BM400

1. Detail 3, ADD note to AHU-17HS to read as follows:
“PROVIDE 1 ½” ACOUSTIC LINING ON FIRST 10FT OF SUPPLY AND RETURN DUCTWORK”
2. Detail 4, ADD note to quadrant H3, adjacent to Penthouse C north entrance door, to read as follows:
“REMOVE LOUVER COMPLETE. REFER TO ARCH DRAWINGS FOR WALL INFILL DETAIL”

ITEM 1-C-19: Refer to DRAWING BM701

1. DELETE drawing in its entirety and, ADD new drawing attached to this addendum.

DRAWING MODIFICATIONS - ELECTRIC

ITEM 1-C-20: Refer to DRAWING BE105

1. DELETE drawing in its entirety and, ADD new drawing attached to this addendum.

END OF ADDENDUM



INSTRUCTIONS TO BIDDERS
ATTACHMENT #1:
PRE-BID REQUEST FOR INTERPRETATION FORM

SUBMIT FORM BY EMAIL TO
INE.DobbsFerry@tetrattech.com and dchen@calgiconstruction.com

Project No.: 234903-20001

Date: 3/30/21

Project Name: Reconstruction to Dobbs Ferry Middle/High School and Springhurst Elementary

Bidder Contact Person: Stephanie Weber
Bidder Company Name: Bertussi Contracting Inc
Bidder Phone: 845-538-4234
Bidder Email Address: sweber@bertussis.com

Question Pertains to: Missing Drawings

Drawing Number:
Plan Area:
Room Number:
Drawing Detail Number:
Specification Section:

Question: (Please be specific)

On the Middle/High School drawings BM01S and BM02S appear to be missing. Please advise.

RESPONSE: See Bid Addendum No. 1 regarding drawings BM01S and BM02S.

Review by Architect/Engineers:

Responded By: Farlow **Date:** 03/31/21

Submit requests not less than 7 working days prior to the specified Bid Opening date and time. In the event that this question requires clarification or modification of the Bidding Documents, such written information can only be provided by formal Addendum, distributed to all plan holders.



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Bidder Contact Person: Stephanie Weber
Bidder Company Name: Bertussi Contracting Inc
Bidder Phone: 845-538-4234
Bidder Email Address: sweber@bertussis.com

Question Pertains to: Alternate

Drawing Number:
Plan Area:
Room Number:
Drawing Detail Number:
Specification Section:

Question: (Please be specific)

Please confirm Alternate SES01 is for the Site Contract and not the GC contract. Additionally, is the GC responsible for excavating on alternate SES01 or the site contract?

RESPONSE: See Bid Addendum No. 1 regarding Alternate SES01.

Review by Architect/Engineers: _____ **Responded By:** Farlow **Date:** 03/31/21

Submit requests not less than 7 working days prior to the specified Bid Opening date and time. In the event that this question requires clarification or modification of the Bidding Documents, such written information can only be provided by formal Addendum, distributed to all plan holders.



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Project No.: 234903-20001

Date: 3/30/21

Project Name: Reconstruction to Dobbs Ferry Middle/High School and Springhurst Elementary

Bidder Contact Person: Stephanie Weber
Bidder Company Name: Bertussi Contracting Inc
Bidder Phone: 845-538-4234
Bidder Email Address: sweber@bertussis.com

Question Pertains to: Light Poles

Drawing Number:
Plan Area:
Room Number:
Drawing Detail Number:
Specification Section:

Question: (Please be specific)

The height of the light poles is not shown. Please advise.

RESPONSE: See Key Note No. 1 on Drawing AE001.

Review by Architect/Engineers:

Responded By: Farlow **Date:** 03/31/21

Submit requests not less than 7 working days prior to the specified Bid Opening date and time. In the event that this question requires clarification or modification of the Bidding Documents, such written information can only be provided by formal Addendum, distributed to all plan holders.



INSTRUCTIONS TO BIDDERS
ATTACHMENT #1:
PRE-BID REQUEST FOR INTERPRETATION FORM

SUBMIT FORM BY EMAIL TO
INE.DobbsFerry@tetrattech.com and dchen@calgiconstruction.com

Project No.: 234903-20001

Date: 3/30/21

Project Name: Reconstruction to Dobbs Ferry Middle/High School and Springhurst Elementary

Bidder Contact Person: Stephanie Weber
Bidder Company Name: Bertussi Contracting Inc
Bidder Phone: 845-538-4234
Bidder Email Address: sweber@bertussis.com

Question Pertains to: Coiling Door

Drawing Number:
Plan Area:
Room Number:
Drawing Detail Number:
Specification Section:

Question: (Please be specific)

The height of the coiling door is not shown. Please advise. Additionally, please also confirm there is only 1 coiling door.

Review by Architect/Engineers:

Responded By: _____ **Date:** _____

The coiling door height will be determined by the height of the ceiling and the counter height to which it closes onto. Ceiling height is to match existing ceiling in that area (approx height will be clarified in addendum #2) and counter height is 2'-6" per detail 4/AA400. The only fire rated coiling counter door is the one in the Secure Vestibule at Springhurst Elementary

Timothy Stevens

3/31/2021

Submit requests not less than 7 working days prior to the specified Bid Opening date and time. In the event that this question requires clarification or modification of the Bidding Documents, such written information can only be provided by formal Addendum, distributed to all plan holders.



INSTRUCTIONS TO BIDDERS
ATTACHMENT #1:
PRE-BID REQUEST FOR INTERPRETATION FORM

SUBMIT FORM BY EMAIL TO
INE.DobbsFerry@tetrattech.com and dchen@calgiconstruction.com

Project No.: 234903-20001

Date: 3/30/21

Project Name: Reconstruction to Dobbs Ferry Middle/High School and Springhurst Elementary

Bidder Contact Person: Stephanie Weber
Bidder Company Name: Bertussi Contracting Inc
Bidder Phone: 845-538-4234
Bidder Email Address: sweber@bertussis.com

Question Pertains to: Irrigation

Drawing Number:
Plan Area:
Room Number:
Drawing Detail Number:
Specification Section:

Question: (Please be specific)

Please confirm irrigation is by the site contractor.

RESPONSE: The proposed irrigation system at Springhurst Elementary School is the responsibility of the Site Contractor.

Review by Architect/Engineers: _____ **Responded By:** Farlow **Date:** 03/31/21

Submit requests not less than 7 working days prior to the specified Bid Opening date and time. In the event that this question requires clarification or modification of the Bidding Documents, such written information can only be provided by formal Addendum, distributed to all plan holders.



10 Brown Road
Ithaca, New York 14850
(607) 277-7100

Ithaca, New York
Farmingdale, New York
Albany, New York

BID FROM (Bidder's Name) : _____
(Address) : _____
Bidder's Telephone : _____
Bidder's Facsimile (Fax) : _____
Bidder's E-mail Address : _____
(if applicable)

BID FORM
(submit in duplicate)

CONTRACT: SES- 1 (GC) GENERAL CONSTRUCTION

PROJECT TITLE: RECONSTRUCTION TO SPRINGHURST ELEMENTARY SCHOOL

DATE: JULY 2, 2020

PROJECT NO.: 234903-20001

BID TO: Board of Education
Dobbs Ferry Union Free School District
505 Broadway
Dobbs Ferry, New York 10522

The Bidder hereby certifies that it has examined and fully understands the requirements and intent of the Bidding Documents, including the Bidding Requirements and proposed Contract Documents; and proposes to furnish all labor, materials, and equipment necessary to complete the Work on, or before, the dates specified in the Contract Documents for the **BASE BID** sum of:

_____ (words)
_____ (\$ _____) (figures)

Show all amounts in both words and figures; in the event of a discrepancy between amounts written in words and figures, the amount written in words shall govern.

Refer to Division 01 Section "Allowances" for description of allowances to be included in the Base Bid above.

ALTERNATES

Indicate in the spaces provided below the amount to be added to or the amount to be deducted from (as applicable) the Base Bid if the Owner accepts the following Alternates described in Division 01 Section "Alternates".

Include in the amount of each Alternate, all labor, materials, overhead and profit, modification of Work specified in the Contract Documents, and additional work that may be required by acceptance of the Alternate.

ALTERNATE NO. SES-03 – SPRINGHURST ELEMENTARY SCHOOL UPGRADED INSURANCE REQUIREMENTS – GENERAL AGGREGATE

ADD to the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

OR

DEDUCT from the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

ALTERNATE NO. SES-04 – SPRINGHURST ELEMENTARY SCHOOL UPGRADED INSURANCE REQUIREMENTS – UMBRELLA EXCESS LIABILITY

ADD to the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

OR

DEDUCT from the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

LIST OF ADDENDA RECEIVED

No. _____ Date _____ No. _____ Date _____
No. _____ Date _____ No. _____ Date _____
No. _____ Date _____ No. _____ Date _____

BID ATTACHMENTS

Enclosed with this Bid are the following attachments:

- Attachment #1 - Non-Collusive Bidding Certification.
- Attachment #2 - Certified Corporate Resolution.
- Attachment #3 – Iranian Energy Divestment Certification
- Attachment #4 – Certification on Violations

BID SECURITY

Enclosed with this Bid is bid security in the amount of five percent of the Base Bid.

EXECUTION OF CONTRACT

If written notice of the acceptance of this Bid is transmitted to the undersigned within 45 days following the Bid opening, the undersigned will, within 10 days following the Notice of Award, execute and transmit a Contract in the form as required by the Architect.

This Bid may be withdrawn at any time prior to the Bid opening.

SIGNATURE

() NAME OF BIDDER (Corporate Name)
()
()
(Corporate Seal) _____
() SIGNATURE (Corporate Officer)
()
() _____
()
()
() DATE: _____

BID FORM
ATTACHMENT #1

GENERAL CONDITIONS TO BID
NON-COLLUSIVE BIDDING CERTIFICATION

No bid will be accepted that does not have this form completely executed.

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

- (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 any competitor;
- (b) Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor;
- (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;
- (d) The person signing this bid or proposal certifies that he has fully informed himself regarding the accuracy of the statements contained in this certification, and under the penalties of perjury, affirms the truth thereof, such penalties being applicable to the bidder as well as to the person signing in its behalf;
- (e) That attached hereto (if corporate bidder) is a certified copy of resolution authorizing the execution of this certified by the signature of this bid or proposal in behalf of the corporate bidder.

(Individual)

(Corporation)

Dated: _____ By _____
(Signature of Officer)

This Non-Collusive Bidding Certificate must be submitted with the bid.

BID FORM
ATTACHMENT #2

CERTIFIED CORPORATE RESOLUTION

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

and to include in such bid or proposal the certificate as to non-collusion required by section one hundred three-d (103-d) of the general municipal law as to the act and deed of such corporation, and for any inaccuracies or mis-statements in such certificate this corporate bidder shall be liable under the penalties of perjury.

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

_____ at a meeting of its board of directors held on the
_____ day of _____ 20__ .

(Secretary)

BID FORM
ATTACHMENT #3

IRANIAN ENERGY DIVESTMENT CERTIFICATION

**Pursuant to Section 103-g
Of the New York State
General Municipal Law**

- A. By submission of this bid/proposal, each bidder/proposer and each person signing on behalf of any bidder/proposer 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 its knowledge and belief that each bidder is not on the list created pursuant to paragraph (b) of subdivision 3 of Section 165-a of the New York State Finance Law.
- B. A Bid/Proposal shall not be considered for award, nor shall any award be made where the condition set forth in Paragraph A above has not been complied with; provided, however, that in any case the bidder/proposer cannot make the foregoing certification set forth in Paragraph A above, the bidder/proposer shall so state and shall furnish with the bid a signed statement which sets forth in detail the reasons therefore. Where Paragraph A above cannot be complied with, the Purchasing Unit to the political subdivision, public department, agency or official thereof to which the bid/proposal is made, or his designee, may award a bid/proposal, on a case by case business under the following circumstances:
1. The investment activities in Iran were made before April 12, 2012, the investment activities in Iran have not been expanded or renewed after April 12, 2012, and the Bidder/Proposer has adopted, publicized and is implementing a formal plan to cease the investment activities in Iran and to refrain from engaging in any new investments in Iran; or
 2. The political subdivision makes a determination that the goods or services are necessary for the political subdivision to perform its functions and that, absent such an exemption, the political subdivision would be unable to obtain the goods or services for which the contract is offered. Such determination shall be made in writing and shall be a public document.

Signature

Title

Date

Company

BID FORM
ATTACHMENT #4

CERTIFICATION ON VIOLATIONS

_____, a representative of _____, hereby swears to and certifies that, to the best of his or her knowledge and belief:

1. Neither _____, nor any substantially owned-affiliated entity of the Bidder (collectively the "Bidder"), has been found to be in violation of the Davis-Bacon Act pursuant to 40 U.S.C. 3144, the Copeland Act pursuant to 18 U.S.C. 874 and 40 U.S.C. 3145 or the Contract Work Hours and Safety Standards Act pursuant to 40 U.S.C. 332, or their New York State counterparts.

True False

If False is selected, information for questions 2 and 3 must be provided. If True is selected questions 2 and 3 are not applicable, continue to question 4.

2. If the Bidder has been found to be in violation of the Davis-Bacon Act, the Copeland Act, the Contract Work Hours and Safety Standards Act, or any of their New York State counterparts, state the name of the agency, the date of the violation, the nature of the violation and any consequence of the violation, including warnings, fines and debarments below.

3. The Bidder is not currently under investigation by any local, state or federal government agency. If Bidder is under investigation, state the name of the agency, the date of the alleged violation and the nature of the alleged violation below.

4. The Bidder's Dun & Bradstreet D-U-N-S number is _____.

5. I have authority to execute this certification, knowing it will be relied upon by the Owner of this Project.

Name Title

Sworn to before me this _____ day of _____, 20__.

Notary Public



TETRA TECH
ARCHITECTS & ENGINEERS

10 Brown Road
Ithaca, New York 14850
(607) 277-7100

Ithaca, New York
Farmingdale, New York
Albany, New York

BID FROM (Bidder's Name) : _____

(Address) : _____

Bidder's Telephone : _____

Bidder's Facsimile (Fax) : _____

Bidder's E-mail Address : _____
(if applicable)

BID FORM
(submit in duplicate)

CONTRACT: SES-2 (SC) SITE WORK CONSTRUCTION

PROJECT TITLE: RECONSTRUCTION TO SPRINGHURST ELEMENTARY SCHOOL

DATE: JULY 2, 2020

PROJECT NO.: 234903-20001

BID TO: Board of Education
Dobbs Ferry Union Free School District
505 Broadway
Dobbs Ferry, New York 10522

The Bidder hereby certifies that it has examined and fully understands the requirements and intent of the Bidding Documents, including the Bidding Requirements and proposed Contract Documents; and proposes to furnish all labor, materials, and equipment necessary to complete the Work on, or before, the dates specified in the Contract Documents for the **BASE BID** sum of:

_____ (words)
_____ (\$ _____) (figures)

Show all amounts in both words and figures; in the event of a discrepancy between amounts written in words and figures, the amount written in words shall govern.

Refer to Division 01 Section "Allowances" for description of allowances to be included in the Base Bid above.

ALTERNATES

Indicate in the spaces provided below the amount to be added to or the amount to be deducted from (as applicable) the Base Bid if the Owner accepts the following Alternates described in Division 01 Section "Alternates".

Include in the amount of each Alternate, all labor, materials, overhead and profit, modification of Work specified in the Contract Documents, and additional work that may be required by acceptance of the Alternate.

ALTERNATE NO. SES-01 – SITE LIGHTING AT SPRINGHURST ELEMENTARY SCHOOL

ADD to the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

OR

DEDUCT from the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

ALTERNATE NO. SES-02 – SOD VARSITY SOFTBALL FIELD AT SPRINGHURST ELEMENTARY SCHOOL

ADD to the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

OR

DEDUCT from the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

ALTERNATE NO. SES-03 – SPRINGHURST ELEMENTARY SCHOOL UPGRADED INSURANCE REQUIREMENTS – GENERAL AGGREGATE

ADD to the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

OR

DEDUCT from the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

ALTERNATE NO. SES-04 – SPRINGHURST ELEMENTARY SCHOOL UPGRADED INSURANCE REQUIREMENTS – UMBRELLA EXCESS LIABILITY

ADD to the Base Bid the sum of:

_____ (\$ _____)
(words) OR (figures)

DEDUCT from the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

UNIT PRICES

Refer to Division 01 Section "Unit Prices" for description of unit prices.

Unit Price 1: Trench Rock Excavation

Unit of Measure: Per Cubic Yard

Cost per Unit:

_____ (\$ _____)
(words) (figures)

Unit Price 2: Bulk Rock Excavation

Unit of Measure: Per Cubic Yard

Cost per Unit:

_____ (\$ _____)
(words) (figures)

Unit Price 3: Concrete Slab-On-Grade

Unit of Measure: Per Square Foot

Cost per Unit:

_____ (\$ _____)
(words) (figures)

Unit Price 4: Replacement of Unsuitable On-Site Material

Unit of Measure: Per Cubic Yard

Cost per Unit:

_____ (\$ _____)
(words) (figures)

LIST OF ADDENDA RECEIVED

No. _____ Date _____ No. _____ Date _____
No. _____ Date _____ No. _____ Date _____
No. _____ Date _____ No. _____ Date _____

BID ATTACHMENTS

Enclosed with this Bid are the following attachments:

- Attachment #1 - Non-Collusive Bidding Certification.
- Attachment #2 - Certified Corporate Resolution.
- Attachment #3 – Iranian Energy Divestment Certification
- Attachment #4 – Certification on Violations

BID SECURITY

Enclosed with this Bid is bid security in the amount of five percent of the Base Bid.

EXECUTION OF CONTRACT

If written notice of the acceptance of this Bid is transmitted to the undersigned within 45 days following the Bid opening, the undersigned will, within 10 days following the Notice of Award, execute and transmit a Contract in the form as required by the Architect.

This Bid may be withdrawn at any time prior to the Bid opening.

SIGNATURE

() NAME OF BIDDER (Corporate Name)
()
()
(Corporate Seal) _____
() SIGNATURE (Corporate Officer)
()
() _____
()
()
() DATE: _____

BID FORM
ATTACHMENT #1

GENERAL CONDITIONS TO BID
NON-COLLUSIVE BIDDING CERTIFICATION

No bid will be accepted that does not have this form completely executed.

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

- (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 any competitor;
- (b) Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor;
- (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;
- (d) The person signing this bid or proposal certifies that he has fully informed himself regarding the accuracy of the statements contained in this certification, and under the penalties of perjury, affirms the truth thereof, such penalties being applicable to the bidder as well as to the person signing in its behalf;
- (e) That attached hereto (if corporate bidder) is a certified copy of resolution authorizing the execution of this certified by the signature of this bid or proposal in behalf of the corporate bidder.

(Individual)

(Corporation)

Dated: _____ By _____
(Signature of Officer)

This Non-Collusive Bidding Certificate must be submitted with the bid.

BID FORM
ATTACHMENT #2

CERTIFIED CORPORATE RESOLUTION

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

and to include in such bid or proposal the certificate as to non-collusion required by section one hundred three-d (103-d) of the general municipal law as to the act and deed of such corporation, and for any inaccuracies or mis-statements in such certificate this corporate bidder shall be liable under the penalties of perjury.

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

_____ at a meeting of its board of directors held on the
_____ day of _____ 20__ .

(Secretary)

BID FORM
ATTACHMENT #3

IRANIAN ENERGY DIVESTMENT CERTIFICATION

**Pursuant to Section 103-g
Of the New York State
General Municipal Law**

- A. By submission of this bid/proposal, each bidder/proposer and each person signing on behalf of any bidder/proposer 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 its knowledge and belief that each bidder is not on the list created pursuant to paragraph (b) of subdivision 3 of Section 165-a of the New York State Finance Law.
- B. A Bid/Proposal shall not be considered for award, nor shall any award be made where the condition set forth in Paragraph A above has not been complied with; provided, however, that in any case the bidder/proposer cannot make the foregoing certification set forth in Paragraph A above, the bidder/proposer shall so state and shall furnish with the bid a signed statement which sets forth in detail the reasons therefore. Where Paragraph A above cannot be complied with, the Purchasing Unit to the political subdivision, public department, agency or official thereof to which the bid/proposal is made, or his designee, may award a bid/proposal, on a case by case business under the following circumstances:
1. The investment activities in Iran were made before April 12, 2012, the investment activities in Iran have not been expanded or renewed after April 12, 2012, and the Bidder/Proposer has adopted, publicized and is implementing a formal plan to cease the investment activities in Iran and to refrain from engaging in any new investments in Iran; or
 2. The political subdivision makes a determination that the goods or services are necessary for the political subdivision to perform its functions and that, absent such an exemption, the political subdivision would be unable to obtain the goods or services for which the contract is offered. Such determination shall be made in writing and shall be a public document.

Signature

Title

Date

Company

BID FORM
ATTACHMENT #4

CERTIFICATION ON VIOLATIONS

_____, a representative of _____, hereby swears to and certifies that, to the best of his or her knowledge and belief:

1. Neither _____, nor any substantially owned-affiliated entity of the Bidder (collectively the "Bidder"), has been found to be in violation of the Davis-Bacon Act pursuant to 40 U.S.C. 3144, the Copeland Act pursuant to 18 U.S.C. 874 and 40 U.S.C. 3145 or the Contract Work Hours and Safety Standards Act pursuant to 40 U.S.C. 332, or their New York State counterparts.

True False

If False is selected, information for questions 2 and 3 must be provided. If True is selected questions 2 and 3 are not applicable, continue to question 4.

2. If the Bidder has been found to be in violation of the Davis-Bacon Act, the Copeland Act, the Contract Work Hours and Safety Standards Act, or any of their New York State counterparts, state the name of the agency, the date of the violation, the nature of the violation and any consequence of the violation, including warnings, fines and debarments below.

3. The Bidder is not currently under investigation by any local, state or federal government agency. If Bidder is under investigation, state the name of the agency, the date of the alleged violation and the nature of the alleged violation below.

4. The Bidder's Dun & Bradstreet D-U-N-S number is _____.

5. I have authority to execute this certification, knowing it will be relied upon by the Owner of this Project.

Name Title

Sworn to before me this _____ day of _____, 20__.

Notary Public



TETRA TECH
ARCHITECTS & ENGINEERS

10 Brown Road
Ithaca, New York 14850
(607) 277-7100

Ithaca, New York
Farmingdale, New York
Albany, New York

BID FROM (Bidder's Name) : _____

(Address) : _____

Bidder's Telephone : _____

Bidder's Facsimile (Fax) : _____

Bidder's E-mail Address : _____
(if applicable)

BID FORM
(submit in duplicate)

CONTRACT: MHS-1 (GC) GENERAL CONSTRUCTION

PROJECT TITLE: RECONSTRUCTION TO DOBBS FERRY MIDDLE HIGH SCHOOL

DATE: JULY 2, 2020

PROJECT NO.: 234903-20001

BID TO: Board of Education
Dobbs Ferry Union Free School District
505 Broadway
Dobbs Ferry, New York 10522

The Bidder hereby certifies that it has examined and fully understands the requirements and intent of the Bidding Documents, including the Bidding Requirements and proposed Contract Documents; and proposes to furnish all labor, materials, and equipment necessary to complete the Work on, or before, the dates specified in the Contract Documents for the **BASE BID** sum of:

_____ (words)
_____ (\$ _____) (figures)

Show all amounts in both words and figures; in the event of a discrepancy between amounts written in words and figures, the amount written in words shall govern.

Refer to Division 01 Section "Allowances" for description of allowances to be included in the Base Bid above.

ALTERNATES

Indicate in the spaces provided below the amount to be added to or the amount to be deducted from (as applicable) the Base Bid if the Owner accepts the following Alternates described in Division 01 Section "Alternates".

Include in the amount of each Alternate, all labor, materials, overhead and profit, modification of Work specified in the Contract Documents, and additional work that may be required by acceptance of the Alternate.

ALTERNATE NO. MHS-02 – HVAC IMPROVEMNTS TO FACILITIES, ACCOUNTING AND ADMINISTRATION OFFICES 103, 103A, 105, 105A, 105B, 105C, 106, 106B, 108, 109.

ADD to the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

OR

DEDUCT from the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

ALTERNATE NO. MHS-03 – DOBBS FERRY MIDDLE / HIGH SCHOOL UPGRADED INSURANCE REQUIREMENTS – GENERAL AGGREGATE.

ADD to the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

OR

DEDUCT from the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

ALTERNATE NO. MHS-04 – DOBBS FERRY MIDDLE / HIGH SCHOOL UPGRADED INSURANCE REQUIREMENTS – UMBRELLA EXCESS LIABILITY.

ADD to the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

OR

DEDUCT from the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

UNIT PRICES

Refer to Division 01 Section "Unit Prices" for description of unit prices.

Unit Price 1: Trench Rock Excavation

Unit of Measure: Per Cubic Yard

Cost per Unit:

_____ (\$ _____)
(words) (figures)

Unit Price 2: Bulk Rock Excavation

Unit of Measure: Per Cubic Yard

Cost per Unit:

_____ (\$ _____)
(words) (figures)

Unit Price 3: Replacement of Unsuitable On-Site Material

Unit of Measure: Per Cubic Yard

Cost per Unit:

_____ (\$ _____)
(words) (figures)

Unit Price 4: Replacement of Retaining Wall

Unit of Measure: Per Square Foot

Cost per Unit:

_____ (\$ _____)
(words) (figures)

Unit Price 5: Removal and Replacement of 8-FT Tall Black Vinyl Clad Chain Link Fencing

Unit of Measure: Per Lineal Foot

Cost per Unit:

_____ (\$ _____)
(words) (figures)

Unit Price 6: Access Doors and Frames at Gypsum Wallboard Walls and Ceilings

Unit of Measure: Per Complete Fire-Rated Access Door

Cost per Unit:

_____ (\$ _____)
(words) (figures)

Unit Price 7: Fire Rated Access Doors and Frames at Gypsum Wallboard Walls and Ceilings

Unit of Measure: Per Complete Access Door

Cost per Unit:

_____ (\$ _____)
(words) (figures)

Unit Price 8: Access Doors and Frames at Plaster Walls and Ceilings

Unit of Measure: Per Complete Fire-Rated Access Door

Cost per Unit:

_____ (\$ _____)
(words) (figures)

Unit Price 9: Fire Rated Access Doors and Frames at Plaster Walls and Ceilings

Unit of Measure: Per Complete Fire-Rated Access Door

Cost per Unit:

_____ (\$ _____)
(words) (figures)

Unit Price 10.a.1: Abatement Unit Prices (ACM / ACM Plaster)

Unit of Measure: Per Square Foot

Cost per Unit:

_____ (\$ _____)
(words) (figures)

Unit Price 10.a.2: Abatement Unit Prices (Replacement of VAT)

Unit of Measure: Per Square Foot

Cost per Unit:

_____ (\$ _____)
(words) (figures)

Unit Price 10.a.3: Abatement Unit Prices (Roof Tar)

Unit of Measure: Per Square Foot

Cost per Unit:

_____ (\$ _____)
(words) (figures)

Unit Price 10.a.4: Abatement Unit Prices (Roof Flashing)

Unit of Measure: Per Square Foot

Cost per Unit:

_____ (\$ _____)
(words) (figures)

LIST OF ADDENDA RECEIVED

No. _____ Date _____ No. _____ Date _____
No. _____ Date _____ No. _____ Date _____
No. _____ Date _____ No. _____ Date _____

BID ATTACHMENTS

Enclosed with this Bid are the following attachments:

- Attachment #1 - Non-Collusive Bidding Certification.
- Attachment #2 - Certified Corporate Resolution.
- Attachment #3 – Iranian Energy Divestment Certification
- Attachment #4 – Certification on Violations

BID SECURITY

Enclosed with this Bid is bid security in the amount of five percent of the Base Bid.

EXECUTION OF CONTRACT

If written notice of the acceptance of this Bid is transmitted to the undersigned within 45 days following the Bid opening, the undersigned will, within 10 days following the Notice of Award, execute and transmit a Contract in the form as required by the Architect.

This Bid may be withdrawn at any time prior to the Bid opening.

SIGNATURE

() NAME OF BIDDER (Corporate Name)
()
()
(Corporate Seal) _____
() SIGNATURE (Corporate Officer)
()
() _____
()
()
() DATE: _____

BID FORM
ATTACHMENT #1

GENERAL CONDITIONS TO BID
NON-COLLUSIVE BIDDING CERTIFICATION

No bid will be accepted that does not have this form completely executed.

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

- (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 any competitor;
- (b) Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor;
- (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;
- (d) The person signing this bid or proposal certifies that he has fully informed himself regarding the accuracy of the statements contained in this certification, and under the penalties of perjury, affirms the truth thereof, such penalties being applicable to the bidder as well as to the person signing in its behalf;
- (e) That attached hereto (if corporate bidder) is a certified copy of resolution authorizing the execution of this certified by the signature of this bid or proposal in behalf of the corporate bidder.

(Individual)

(Corporation)

Dated: _____ By _____
(Signature of Officer)

This Non-Collusive Bidding Certificate must be submitted with the bid.

BID FORM
ATTACHMENT #2

CERTIFIED CORPORATE RESOLUTION

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

and to include in such bid or proposal the certificate as to non-collusion required by section one hundred three-d (103-d) of the general municipal law as to the act and deed of such corporation, and for any inaccuracies or mis-statements in such certificate this corporate bidder shall be liable under the penalties of perjury.

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

_____ at a meeting of its board of directors held on the
_____ day of _____ 20__ .

(Secretary)

BID FORM
ATTACHMENT #3

IRANIAN ENERGY DIVESTMENT CERTIFICATION

**Pursuant to Section 103-g
Of the New York State
General Municipal Law**

- A. By submission of this bid/proposal, each bidder/proposer and each person signing on behalf of any bidder/proposer 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 its knowledge and belief that each bidder is not on the list created pursuant to paragraph (b) of subdivision 3 of Section 165-a of the New York State Finance Law.
- B. A Bid/Proposal shall not be considered for award, nor shall any award be made where the condition set forth in Paragraph A above has not been complied with; provided, however, that in any case the bidder/proposer cannot make the foregoing certification set forth in Paragraph A above, the bidder/proposer shall so state and shall furnish with the bid a signed statement which sets forth in detail the reasons therefore. Where Paragraph A above cannot be complied with, the Purchasing Unit to the political subdivision, public department, agency or official thereof to which the bid/proposal is made, or his designee, may award a bid/proposal, on a case by case business under the following circumstances:
1. The investment activities in Iran were made before April 12, 2012, the investment activities in Iran have not been expanded or renewed after April 12, 2012, and the Bidder/Proposer has adopted, publicized and is implementing a formal plan to cease the investment activities in Iran and to refrain from engaging in any new investments in Iran; or
 2. The political subdivision makes a determination that the goods or services are necessary for the political subdivision to perform its functions and that, absent such an exemption, the political subdivision would be unable to obtain the goods or services for which the contract is offered. Such determination shall be made in writing and shall be a public document.

Signature

Title

Date

Company

BID FORM
ATTACHMENT #4

CERTIFICATION ON VIOLATIONS

_____, a representative of _____, hereby swears to and certifies that, to the best of his or her knowledge and belief:

1. Neither _____, nor any substantially owned-affiliated entity of the Bidder (collectively the "Bidder"), has been found to be in violation of the Davis-Bacon Act pursuant to 40 U.S.C. 3144, the Copeland Act pursuant to 18 U.S.C. 874 and 40 U.S.C. 3145 or the Contract Work Hours and Safety Standards Act pursuant to 40 U.S.C. 332, or their New York State counterparts.

True False

If False is selected, information for questions 2 and 3 must be provided. If True is selected questions 2 and 3 are not applicable, continue to question 4.

2. If the Bidder has been found to be in violation of the Davis-Bacon Act, the Copeland Act, the Contract Work Hours and Safety Standards Act, or any of their New York State counterparts, state the name of the agency, the date of the violation, the nature of the violation and any consequence of the violation, including warnings, fines and debarments below.

3. The Bidder is not currently under investigation by any local, state or federal government agency. If Bidder is under investigation, state the name of the agency, the date of the alleged violation and the nature of the alleged violation below.

4. The Bidder's Dun & Bradstreet D-U-N-S number is _____.

5. I have authority to execute this certification, knowing it will be relied upon by the Owner of this Project.

Name Title

Sworn to before me this _____ day of _____, 20__.

Notary Public



TETRA TECH
ARCHITECTS & ENGINEERS

10 Brown Road
Ithaca, New York 14850
(607) 277-7100

Ithaca, New York
Farmingdale, New York
Albany, New York

BID FROM (Bidder's Name) : _____

(Address) : _____

Bidder's Telephone : _____

Bidder's Facsimile (Fax) : _____

Bidder's E-mail Address : _____
(if applicable)

BID FORM
(submit in duplicate)

CONTRACT: MHS-2 (RC) ROOFING CONSTRUCTION

PROJECT TITLE: RECONSTRUCTION TO DOBBS FERRY MIDDLE HIGH SCHOOL

DATE: JULY 2, 2020

PROJECT NO.: 234903-20001

BID TO: Board of Education
Dobbs Ferry Union Free School District
505 Broadway
Dobbs Ferry, New York 10522

The Bidder hereby certifies that it has examined and fully understands the requirements and intent of the Bidding Documents, including the Bidding Requirements and proposed Contract Documents; and proposes to furnish all labor, materials, and equipment necessary to complete the Work on, or before, the dates specified in the Contract Documents for the **BASE BID** sum of:

_____ (words)
_____ (\$ _____) (figures)

Show all amounts in both words and figures; in the event of a discrepancy between amounts written in words and figures, the amount written in words shall govern.

Refer to Division 01 Section "Allowances" for description of allowances to be included in the Base Bid above.

ALTERNATES

Indicate in the spaces provided below the amount to be added to or the amount to be deducted from (as applicable) the Base Bid if the Owner accepts the following Alternates described in Division 01 Section "Alternates".

Include in the amount of each Alternate, all labor, materials, overhead and profit, modification of Work specified in the Contract Documents, and additional work that may be required by acceptance of the Alternate.

ALTERNATE NO. MHS-01 – 30-YEAR WARRANTY AT DOBBS FERRY MIDDLE / HIGH SCHOOL

ADD to the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

OR

DEDUCT from the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

ALTERNATE NO. MHS-03 – DOBBS FERRY MIDDLE / HIGH SCHOOL UPGRADED INSURANCE REQUIREMENTS – GENERAL AGGREGATE.

ADD to the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

OR

DEDUCT from the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

ALTERNATE NO. MHS-04 – DOBBS FERRY MIDDLE / HIGH SCHOOL UPGRADED INSURANCE REQUIREMENTS – UMBRELLA EXCESS LIABILITY.

ADD to the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

OR

DEDUCT from the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

UNIT PRICES

Refer to Division 01 Section "Unit Prices" for description of unit prices.

Unit Price 1: Replacement of Metal Roof Deck

Unit of Measure: Per Square Foot

Cost per Unit:

_____ (\$ _____)
(words) (figures)

Unit Price 2: Roof Tar Abatement

Unit of Measure:

Cost per Unit:

_____ (\$ _____)
(words) (figures)

Unit Price 3: Roof Flashing Abatement

Unit of Measure: Per Cubic Yard

Cost per Unit:

_____ (\$ _____)
(words) (figures)

LIST OF ADDENDA RECEIVED

No. _____ Date _____ No. _____ Date _____
No. _____ Date _____ No. _____ Date _____
No. _____ Date _____ No. _____ Date _____

BID ATTACHMENTS

Enclosed with this Bid are the following attachments:

- Attachment #1 - Non-Collusive Bidding Certification.
- Attachment #2 - Certified Corporate Resolution.
- Attachment #3 – Iranian Energy Divestment Certification
- Attachment #4 – Certification on Violations

BID SECURITY

Enclosed with this Bid is bid security in the amount of five percent of the Base Bid.

EXECUTION OF CONTRACT

If written notice of the acceptance of this Bid is transmitted to the undersigned within 45 days following the Bid opening, the undersigned will, within 10 days following the Notice of Award, execute and transmit a Contract in the form as required by the Architect.

This Bid may be withdrawn at any time prior to the Bid opening.

SIGNATURE

() NAME OF BIDDER (Corporate Name)
() _____
()
(Corporate Seal) _____
() SIGNATURE (Corporate Officer)
() _____
() _____
()
()
() DATE: _____

BID FORM
ATTACHMENT #1

GENERAL CONDITIONS TO BID
NON-COLLUSIVE BIDDING CERTIFICATION

No bid will be accepted that does not have this form completely executed.

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

- (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 any competitor;
- (b) Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor;
- (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;
- (d) The person signing this bid or proposal certifies that he has fully informed himself regarding the accuracy of the statements contained in this certification, and under the penalties of perjury, affirms the truth thereof, such penalties being applicable to the bidder as well as to the person signing in its behalf;
- (e) That attached hereto (if corporate bidder) is a certified copy of resolution authorizing the execution of this certified by the signature of this bid or proposal in behalf of the corporate bidder.

(Individual)

(Corporation)

Dated: _____ By _____
(Signature of Officer)

This Non-Collusive Bidding Certificate must be submitted with the bid.

BID FORM
ATTACHMENT #2

CERTIFIED CORPORATE RESOLUTION

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

and to include in such bid or proposal the certificate as to non-collusion required by section one hundred three-d (103-d) of the general municipal law as to the act and deed of such corporation, and for any inaccuracies or mis-statements in such certificate this corporate bidder shall be liable under the penalties of perjury.

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

_____ at a meeting of its board of directors held on the
_____ day of _____ 20__ .

(Secretary)

BID FORM
ATTACHMENT #3

IRANIAN ENERGY DIVESTMENT CERTIFICATION

**Pursuant to Section 103-g
Of the New York State
General Municipal Law**

- A. By submission of this bid/proposal, each bidder/proposer and each person signing on behalf of any bidder/proposer 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 its knowledge and belief that each bidder is not on the list created pursuant to paragraph (b) of subdivision 3 of Section 165-a of the New York State Finance Law.
- B. A Bid/Proposal shall not be considered for award, nor shall any award be made where the condition set forth in Paragraph A above has not been complied with; provided, however, that in any case the bidder/proposer cannot make the foregoing certification set forth in Paragraph A above, the bidder/proposer shall so state and shall furnish with the bid a signed statement which sets forth in detail the reasons therefore. Where Paragraph A above cannot be complied with, the Purchasing Unit to the political subdivision, public department, agency or official thereof to which the bid/proposal is made, or his designee, may award a bid/proposal, on a case by case business under the following circumstances:
1. The investment activities in Iran were made before April 12, 2012, the investment activities in Iran have not been expanded or renewed after April 12, 2012, and the Bidder/Proposer has adopted, publicized and is implementing a formal plan to cease the investment activities in Iran and to refrain from engaging in any new investments in Iran; or
 2. The political subdivision makes a determination that the goods or services are necessary for the political subdivision to perform its functions and that, absent such an exemption, the political subdivision would be unable to obtain the goods or services for which the contract is offered. Such determination shall be made in writing and shall be a public document.

Signature

Title

Date

Company

BID FORM
ATTACHMENT #4

CERTIFICATION ON VIOLATIONS

_____, a representative of _____, hereby swears to and certifies that, to the best of his or her knowledge and belief:

1. Neither _____, nor any substantially owned-affiliated entity of the Bidder (collectively the "Bidder"), has been found to be in violation of the Davis-Bacon Act pursuant to 40 U.S.C. 3144, the Copeland Act pursuant to 18 U.S.C. 874 and 40 U.S.C. 3145 or the Contract Work Hours and Safety Standards Act pursuant to 40 U.S.C. 332, or their New York State counterparts.

True False

If False is selected, information for questions 2 and 3 must be provided. If True is selected questions 2 and 3 are not applicable, continue to question 4.

2. If the Bidder has been found to be in violation of the Davis-Bacon Act, the Copeland Act, the Contract Work Hours and Safety Standards Act, or any of their New York State counterparts, state the name of the agency, the date of the violation, the nature of the violation and any consequence of the violation, including warnings, fines and debarments below.

3. The Bidder is not currently under investigation by any local, state or federal government agency. If Bidder is under investigation, state the name of the agency, the date of the alleged violation and the nature of the alleged violation below.

4. The Bidder's Dun & Bradstreet D-U-N-S number is _____.

5. I have authority to execute this certification, knowing it will be relied upon by the Owner of this Project.

Name Title

Sworn to before me this _____ day of _____, 20__.

Notary Public



TETRA TECH
ARCHITECTS & ENGINEERS

10 Brown Road
Ithaca, New York 14850
(607) 277-7100

Ithaca, New York
Farmingdale, New York
Albany, New York

BID FROM (Bidder's Name) : _____
 (Address) : _____

 Bidder's Telephone : _____
 Bidder's Facsimile (Fax) : _____
 Bidder's E-mail Address : _____
 (if applicable)

BID FORM
(submit in duplicate)

CONTRACT: MHS-3 (MC) MECHANICAL CONSTRUCTION

PROJECT TITLE: RECONSTRUCTION TO DOBBS FERRY MIDDLE HIGH SCHOOL

DATE: JULY 2, 2020

PROJECT NO.: 234903-20001

BID TO: Board of Education
 Dobbs Ferry Union Free School District
 505 Broadway
 Dobbs Ferry, New York 10522

The Bidder hereby certifies that it has examined and fully understands the requirements and intent of the Bidding Documents, including the Bidding Requirements and proposed Contract Documents; and proposes to furnish all labor, materials, and equipment necessary to complete the Work on, or before, the dates specified in the Contract Documents for the **BASE BID** sum of:

_____ (words)
 _____ (\$ _____) (figures)

Show all amounts in both words and figures; in the event of a discrepancy between amounts written in words and figures, the amount written in words shall govern.

Refer to Division 01 Section "Allowances" for description of allowances to be included in the Base Bid above.

ALTERNATES

Indicate in the spaces provided below the amount to be added to or the amount to be deducted from (as applicable) the Base Bid if the Owner accepts the following Alternates described in Division 01 Section "Alternates".

Include in the amount of each Alternate, all labor, materials, overhead and profit, modification of Work specified in the Contract Documents, and additional work that may be required by acceptance of the Alternate.

ALTERNATE NO. MHS-02 – HVAC IMPROVEMNTS TO FACILITIES, ACCOUNTING AND ADMINISTRATION OFFICES 103, 103A, 105, 105A, 105B, 105C, 106, 106B, 108, 109.

ADD to the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

OR

DEDUCT from the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

ALTERNATE NO. MHS-03 – DOBBS FERRY MIDDLE / HIGH SCHOOL UPGRADED INSURANCE REQUIREMENTS – GENERAL AGGREGATE.

ADD to the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

OR

DEDUCT from the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

ALTERNATE NO. MHS-04 – DOBBS FERRY MIDDLE / HIGH SCHOOL UPGRADED INSURANCE REQUIREMENTS – UMBRELLA EXCESS LIABILITY.

ADD to the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

OR

DEDUCT from the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

UNIT PRICES

Refer to Division 01 Section "Unit Prices" for description of unit prices.

Unit Price 1: Fin-tube Radiation

Unit of Measure: 3' lengths of each scheduled variety

Cost per Unit:

_____ (\$ _____)
(words) (figures)

Unit Price 2: Ductwork

Unit of Measure:

Cost per Unit:

_____ (\$ _____)
(words) (figures)

LIST OF ADDENDA RECEIVED

No. _____ Date _____ No. _____ Date _____
No. _____ Date _____ No. _____ Date _____
No. _____ Date _____ No. _____ Date _____

BID ATTACHMENTS

Enclosed with this Bid are the following attachments:

- Attachment #1 - Non-Collusive Bidding Certification.
- Attachment #2 - Certified Corporate Resolution.
- Attachment #3 – Iranian Energy Divestment Certification
- Attachment #4 – Certification on Violations

BID SECURITY

Enclosed with this Bid is bid security in the amount of five percent of the Base Bid.

EXECUTION OF CONTRACT

If written notice of the acceptance of this Bid is transmitted to the undersigned within 45 days following the Bid opening, the undersigned will, within 10 days following the Notice of Award, execute and transmit a Contract in the form as required by the Architect.

This Bid may be withdrawn at any time prior to the Bid opening.

SIGNATURE

() NAME OF BIDDER (Corporate Name)
()
()
(Corporate Seal) _____
() SIGNATURE (Corporate Officer)
()
() _____
()
()
() DATE: _____

BID FORM
ATTACHMENT #1

GENERAL CONDITIONS TO BID
NON-COLLUSIVE BIDDING CERTIFICATION

No bid will be accepted that does not have this form completely executed.

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

- (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 any competitor;
- (b) Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor;
- (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;
- (d) The person signing this bid or proposal certifies that he has fully informed himself regarding the accuracy of the statements contained in this certification, and under the penalties of perjury, affirms the truth thereof, such penalties being applicable to the bidder as well as to the person signing in its behalf;
- (e) That attached hereto (if corporate bidder) is a certified copy of resolution authorizing the execution of this certified by the signature of this bid or proposal in behalf of the corporate bidder.

(Individual)

(Corporation)

Dated: _____ By _____
(Signature of Officer)

This Non-Collusive Bidding Certificate must be submitted with the bid.

BID FORM
ATTACHMENT #2

CERTIFIED CORPORATE RESOLUTION

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

and to include in such bid or proposal the certificate as to non-collusion required by section one hundred three-d (103-d) of the general municipal law as to the act and deed of such corporation, and for any inaccuracies or mis-statements in such certificate this corporate bidder shall be liable under the penalties of perjury.

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

_____ at a meeting of its board of directors held on the
_____ day of _____ 20__ .

(Secretary)

BID FORM
ATTACHMENT #3

IRANIAN ENERGY DIVESTMENT CERTIFICATION

**Pursuant to Section 103-g
Of the New York State
General Municipal Law**

- A. By submission of this bid/proposal, each bidder/proposer and each person signing on behalf of any bidder/proposer 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 its knowledge and belief that each bidder is not on the list created pursuant to paragraph (b) of subdivision 3 of Section 165-a of the New York State Finance Law.
- B. A Bid/Proposal shall not be considered for award, nor shall any award be made where the condition set forth in Paragraph A above has not been complied with; provided, however, that in any case the bidder/proposer cannot make the foregoing certification set forth in Paragraph A above, the bidder/proposer shall so state and shall furnish with the bid a signed statement which sets forth in detail the reasons therefore. Where Paragraph A above cannot be complied with, the Purchasing Unit to the political subdivision, public department, agency or official thereof to which the bid/proposal is made, or his designee, may award a bid/proposal, on a case by case business under the following circumstances:
1. The investment activities in Iran were made before April 12, 2012, the investment activities in Iran have not been expanded or renewed after April 12, 2012, and the Bidder/Proposer has adopted, publicized and is implementing a formal plan to cease the investment activities in Iran and to refrain from engaging in any new investments in Iran; or
 2. The political subdivision makes a determination that the goods or services are necessary for the political subdivision to perform its functions and that, absent such an exemption, the political subdivision would be unable to obtain the goods or services for which the contract is offered. Such determination shall be made in writing and shall be a public document.

Signature

Title

Date

Company

BID FORM
ATTACHMENT #4

CERTIFICATION ON VIOLATIONS

_____, a representative of _____, hereby swears to and certifies that, to the best of his or her knowledge and belief:

1. Neither _____, nor any substantially owned-affiliated entity of the Bidder (collectively the "Bidder"), has been found to be in violation of the Davis-Bacon Act pursuant to 40 U.S.C. 3144, the Copeland Act pursuant to 18 U.S.C. 874 and 40 U.S.C. 3145 or the Contract Work Hours and Safety Standards Act pursuant to 40 U.S.C. 332, or their New York State counterparts.

True False

If False is selected, information for questions 2 and 3 must be provided. If True is selected questions 2 and 3 are not applicable, continue to question 4.

2. If the Bidder has been found to be in violation of the Davis-Bacon Act, the Copeland Act, the Contract Work Hours and Safety Standards Act, or any of their New York State counterparts, state the name of the agency, the date of the violation, the nature of the violation and any consequence of the violation, including warnings, fines and debarments below.

3. The Bidder is not currently under investigation by any local, state or federal government agency. If Bidder is under investigation, state the name of the agency, the date of the alleged violation and the nature of the alleged violation below.

4. The Bidder's Dun & Bradstreet D-U-N-S number is _____.

5. I have authority to execute this certification, knowing it will be relied upon by the Owner of this Project.

Name Title

Sworn to before me this _____ day of _____, 20__.

Notary Public



10 Brown Road
Ithaca, New York 14850
(607) 277-7100

Ithaca, New York
Farmingdale, New York
Albany, New York

BID FROM (Bidder's Name) : _____

(Address) : _____

Bidder's Telephone : _____

Bidder's Facsimile (Fax) : _____

Bidder's E-mail Address : _____
(if applicable)

BID FORM
(submit in duplicate)

CONTRACT: MHS-4 (EC) ELECTRICAL CONSTRUCTION

PROJECT TITLE: RECONSTRUCTION TO DOBBS FERRY MIDDLE HIGH SCHOOL

DATE: JULY 2, 2020

PROJECT NO.: 234903-20001

BID TO: Board of Education
Dobbs Ferry Union Free School District
505 Broadway
Dobbs Ferry, New York 10522

The Bidder hereby certifies that it has examined and fully understands the requirements and intent of the Bidding Documents, including the Bidding Requirements and proposed Contract Documents; and proposes to furnish all labor, materials, and equipment necessary to complete the Work on, or before, the dates specified in the Contract Documents for the **BASE BID** sum of:

_____ (words)

_____ (\$ _____) (figures)

Show all amounts in both words and figures; in the event of a discrepancy between amounts written in words and figures, the amount written in words shall govern.

Refer to Division 01 Section "Allowances" for description of allowances to be included in the Base Bid above.

ALTERNATES

Indicate in the spaces provided below the amount to be added to or the amount to be deducted from (as applicable) the Base Bid if the Owner accepts the following Alternates described in Division 01 Section "Alternates".

Include in the amount of each Alternate, all labor, materials, overhead and profit, modification of Work specified in the Contract Documents, and additional work that may be required by acceptance of the Alternate.

ALTERNATE NO. MHS-02 – HVAC IMPROVEMNTS TO FACILITIES, ACCOUNTING AND ADMINISTRATION OFFICES 103, 103A, 105, 105A, 105B, 105C, 106, 106B, 108, 109.

ADD to the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

OR

DEDUCT from the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

ALTERNATE NO. MHS-03 – DOBBS FERRY MIDDLE / HIGH SCHOOL UPGRADED INSURANCE REQUIREMENTS – GENERAL AGGREGATE.

ADD to the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

OR

DEDUCT from the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

ALTERNATE NO. MHS-04 – DOBBS FERRY MIDDLE / HIGH SCHOOL UPGRADED INSURANCE REQUIREMENTS – UMBRELLA EXCESS LIABILITY.

ADD to the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

OR

DEDUCT from the Base Bid the sum of:

_____ (\$ _____)
(words) (figures)

UNIT PRICES

Refer to Division 01 Section "Unit Prices" for description of unit prices.

Unit Price 1: Duplex Receptacles

Unit of Measure: Per Receptacle

Cost per Unit:

_____ (\$ _____)
(words) (figures)

Unit Price 2: Lighting Switch

Unit of Measure: Per Switch

Cost per Unit:

_____ (\$ _____)
(words) (figures)

Unit Price 3: Occupancy Sensor

Unit of Measure: Per Sensor

Cost per Unit:

_____ (\$ _____)
(words) (figures)

Unit Price 4: Lighting Fixtures

Unit of Measure: Per Lighting Fixture

Cost per Unit:

_____ (\$ _____)
(words) (figures)

LIST OF ADDENDA RECEIVED

No. _____ Date _____ No. _____ Date _____
No. _____ Date _____ No. _____ Date _____
No. _____ Date _____ No. _____ Date _____

BID ATTACHMENTS

Enclosed with this Bid are the following attachments:

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EXECUTION OF CONTRACT

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This Bid may be withdrawn at any time prior to the Bid opening.

SIGNATURE

() NAME OF BIDDER (Corporate Name)
()
()
(Corporate Seal) _____
() SIGNATURE (Corporate Officer)
()
() _____
()
()
() DATE: _____

BID FORM
ATTACHMENT #1

GENERAL CONDITIONS TO BID
NON-COLLUSIVE BIDDING CERTIFICATION

No bid will be accepted that does not have this form completely executed.

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- (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 any competitor;
- (b) Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor;
- (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;
- (d) The person signing this bid or proposal certifies that he has fully informed himself regarding the accuracy of the statements contained in this certification, and under the penalties of perjury, affirms the truth thereof, such penalties being applicable to the bidder as well as to the person signing in its behalf;
- (e) That attached hereto (if corporate bidder) is a certified copy of resolution authorizing the execution of this certified by the signature of this bid or proposal in behalf of the corporate bidder.

(Individual)

(Corporation)

Dated: _____ By _____
(Signature of Officer)

This Non-Collusive Bidding Certificate must be submitted with the bid.

BID FORM
ATTACHMENT #2

CERTIFIED CORPORATE RESOLUTION

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

and to include in such bid or proposal the certificate as to non-collusion required by section one hundred three-d (103-d) of the general municipal law as to the act and deed of such corporation, and for any inaccuracies or mis-statements in such certificate this corporate bidder shall be liable under the penalties of perjury.

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

_____ at a meeting of its board of directors held on the
_____ day of _____ 20__ .

(Secretary)

BID FORM
ATTACHMENT #3

IRANIAN ENERGY DIVESTMENT CERTIFICATION

**Pursuant to Section 103-g
Of the New York State
General Municipal Law**

- A. By submission of this bid/proposal, each bidder/proposer and each person signing on behalf of any bidder/proposer 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 its knowledge and belief that each bidder is not on the list created pursuant to paragraph (b) of subdivision 3 of Section 165-a of the New York State Finance Law.
- B. A Bid/Proposal shall not be considered for award, nor shall any award be made where the condition set forth in Paragraph A above has not been complied with; provided, however, that in any case the bidder/proposer cannot make the foregoing certification set forth in Paragraph A above, the bidder/proposer shall so state and shall furnish with the bid a signed statement which sets forth in detail the reasons therefore. Where Paragraph A above cannot be complied with, the Purchasing Unit to the political subdivision, public department, agency or official thereof to which the bid/proposal is made, or his designee, may award a bid/proposal, on a case by case business under the following circumstances:
1. The investment activities in Iran were made before April 12, 2012, the investment activities in Iran have not been expanded or renewed after April 12, 2012, and the Bidder/Proposer has adopted, publicized and is implementing a formal plan to cease the investment activities in Iran and to refrain from engaging in any new investments in Iran; or
 2. The political subdivision makes a determination that the goods or services are necessary for the political subdivision to perform its functions and that, absent such an exemption, the political subdivision would be unable to obtain the goods or services for which the contract is offered. Such determination shall be made in writing and shall be a public document.

Signature

Title

Date

Company

BID FORM
ATTACHMENT #4

CERTIFICATION ON VIOLATIONS

_____, a representative of _____, hereby swears to and certifies that, to the best of his or her knowledge and belief:

1. Neither _____, nor any substantially owned-affiliated entity of the Bidder (collectively the "Bidder"), has been found to be in violation of the Davis-Bacon Act pursuant to 40 U.S.C. 3144, the Copeland Act pursuant to 18 U.S.C. 874 and 40 U.S.C. 3145 or the Contract Work Hours and Safety Standards Act pursuant to 40 U.S.C. 332, or their New York State counterparts.

True False

If False is selected, information for questions 2 and 3 must be provided. If True is selected questions 2 and 3 are not applicable, continue to question 4.

2. If the Bidder has been found to be in violation of the Davis-Bacon Act, the Copeland Act, the Contract Work Hours and Safety Standards Act, or any of their New York State counterparts, state the name of the agency, the date of the violation, the nature of the violation and any consequence of the violation, including warnings, fines and debarments below.

3. The Bidder is not currently under investigation by any local, state or federal government agency. If Bidder is under investigation, state the name of the agency, the date of the alleged violation and the nature of the alleged violation below.

4. The Bidder's Dun & Bradstreet D-U-N-S number is _____.

5. I have authority to execute this certification, knowing it will be relied upon by the Owner of this Project.

Name Title

Sworn to before me this _____ day of _____, 20__.

Notary Public

SECTION 01 23 00 - ALTERNATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for alternates.

1.3 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
 - 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration.
- C. Execute accepted alternates under the same conditions as other work of the Contract.

- D. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

- A. Alternate No. SES-01: Site Lighting at Springhurst Elementary School
1. This Alternate affects one Contract, as follows:
 - a. Site Contract (SC) - In addition to Work by Base Bid at Springhurst Elementary School visitor entrance driveway, provide new site lighting including light poles, wiring, conduit, pull box and associated improvement to install the site lighting improvements. Work as shown on Drawings AE001 and specified in Project Manual.
- B. Alternate No. SES-02: Sod Varsity Softball Field at Springhurst Elementary School.
1. This Alternate affects one Contract, as follows:
 - a. Site Contract (SC) – In lieu of Base Bid seeding of the Varsity Softball Field outfield at Springhurst Elementary School, provide sod and associated improvement to install sod. Work is limited to the softball field seeded area as shown on Drawings AC121 and specified in Project Manual.
- C. Alternate No. SES-03: Springhurst Elementary School Upgraded Insurance Requirements – General Aggregate.
1. This Alternate affects more than one Contract, as follows:
 - a. Site Contract (SC) - Refer to General Conditions, Article 11.1.2: In lieu of \$2 million dollars general aggregate, provide \$4 million dollars general aggregate.
 - b. General Contract (GC) - Refer to General Conditions, Article 11.1.2: In lieu of \$2 million dollars general aggregate, provide \$4 million dollars general aggregate.

- D. Alternate No. SES-04: Springhurst Elementary School Upgraded Insurance Requirements – Umbrella Excess Liability.
1. This Alternate affects more than one Contract, as follows:
 - a. Site Contract (SC) - Refer to General Conditions, Article 11.1.2: In lieu of \$5 million dollar Umbrella Excess Liability, provide \$10 million dollar Umbrella Excess Liability.
 - b. General Contract (GC) - Refer to General Conditions, Article 11.1.2: In lieu of \$5 million dollar Umbrella Excess Liability, provide \$10 million dollar Umbrella Excess Liability.
- E. Alternate No. MHS-01: 30-Year Warranty at Dobbs Ferry Middle / High School
1. This Alternate affects one Contract, as follows:
 - a. Roofing Contract (RC) – At all areas requiring roofing at Dobbs Ferry Middle / High School, provide manufacturer’s 30-year total system warranty. Refer to Specification Section 07 53 23 EPDM Roofing.
- F. Alternate No. MHS-02: HVAC Improvements at Dobbs Ferry Middle / High School to Facilities, Accounting and Administration Offices 103, 103A, 105, 105A, 105B, 105C, 106, 106B, 108, 109.
1. This Alternate affects more than one Contract, as follows:
 - a. General Contract (GC) - Provide improvements associated with removal and installation of duct chase and associated components as indicated on Sheets BA100, BA101, BA130, BA160, BS131.
 - b. Mechanical Contract (MC) - Provide improvements associated with installation cooling system and associated components as indicated on Sheets BM050, BM051, BM052, BM100, BM105, BM110, BM112, BM600, BM601, BM702.
 - c. Electrical Contract (EC) - Provide improvements associated with removal and installation of duct chase and associated components as indicated on Sheets BE101, BE160, BE601.
- G. Alternate No. MSHS-03: Dobbs Ferry Middle / High School Upgraded Insurance Requirements – General Aggregate.
1. This Alternate affects more than one Contract, as follows:
 - a. Roof Contractor (RC) - Refer to General Conditions, Article 11.1.2: In lieu of \$2 million dollars general aggregate, provide \$4 million dollars general aggregate.

- b. General Contract (GC) - Refer to General Conditions, Article 11.1.2: In lieu of \$2 million dollars general aggregate, provide \$4 million dollars general aggregate.
 - c. Mechanical Contract (MC) - Refer to General Conditions, Article 11.1.2: In lieu of \$2 million dollars general aggregate, provide \$4 million dollars general aggregate.
 - d. Electrical Contract (EC) - Refer to General Conditions, Article 11.1.2: In lieu of \$2 million dollars general aggregate, provide \$4 million dollars general aggregate.
- H. Alternate No. MSHS-04: Dobbs Ferry Middle / High School Upgraded Insurance Requirements – Umbrella Excess Liability.
- 1. This Alternate affects more than one Contract, as follows:
 - a. Roof Contract (RC) - Refer to General Conditions, Article 11.1.2: In lieu of \$5 million dollar Umbrella Excess Liability, provide \$10 million dollar Umbrella Excess Liability.
 - b. General Contract (GC) - Refer to General Conditions, Article 11.1.2: In lieu of \$5 million dollar Umbrella Excess Liability, provide \$10 million dollar Umbrella Excess Liability.
 - c. Mechanical Contract (MC) - Refer to General Conditions, Article 11.1.2: In lieu of \$5 million dollar Umbrella Excess Liability, provide \$10 million dollar Umbrella Excess Liability.
 - d. Electrical Contract (EC) - Refer to General Conditions, Article 11.1.2: In lieu of \$5 million dollar Umbrella Excess Liability, provide \$10 million dollar Umbrella Excess Liability.

END OF SECTION 01 23 00

SECTION 32 92 00 - TURF AND GRASSES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section Includes:
 - 1. Seeding.
 - 2. Sodding.
 - 3. Hydroseeding.
 - 4. Turf planting soil.
 - 5. Turf planting soil amendments and fertilizers.
 - 6. Turf renovation.
 - 7. Turf
 - 8. Turf maintenance.

1.3 SUBMITTALS, GENERAL

- A. General: Submit all action submittals and informational submittals required by this Section concurrently.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated, including:
 - 1. Seed.
 - 2. Sod.
 - 3. Fertilizer.
 - 4. Imported Topsoil.
- B. Samples for Verification: For the following products, in sizes or quantities indicated below:
 - 1. Imported and On-Site Topsoil: One-half gallon by volume of material in sturdy container of each type of topsoil, naming source for each material.
 - 2. Compost: One-quart container of material.
- C. Warranty: Sample of special warranty.

1.5 INFORMATIONAL SUBMITTALS

- A. Certification of Grass Seed: From seed vendor for each grass-seed monostand or mixture stating the botanical and common name, percentage by weight of each species and variety, and percentage of purity, germination, and weed seed. Include the year of production and date of packaging.
 - 1. Certification of each seed mixture for turfgrass sod. Include identification of source and name and telephone number of supplier.
- B. Qualification Data: For qualified landscape Installer.
- C. Product Certificates: For soil amendments and fertilizers, from manufacturer.
- D. Material Test Reports:
 - 1. Imported Topsoil: Before delivery, submit written statement giving location of properties from which topsoil is to be obtained, names and addresses of property owners, analysis of topsoil, depth to be stripped, and any crops grown during the previous 5 years.
 - 2. Compost: Before delivery, submit a recent US Composting Seal of Testing Assurance Program data sheet.

1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Instructions: Recommended procedures to be established by Owner for maintenance of turf during a calendar year. Submit before expiration of required initial maintenance periods.
- B. Warranty: Executed special warranty.

1.7 QUALITY ASSURANCE

- A. Installer Qualifications: A qualified landscape Installer whose work has resulted in successful turf establishment.
 - 1. Natural Turf Athletic Field Installer: Engage an experienced turf installation firm to perform athletic field work of this Section that has installed at least seven acceptable athletic fields of each of the types specified within past 5 years. Provide location and reference contacts for each of the submitted fields.
 - 2. Turf Installer: Engage an experienced turf installation firm to perform work of this Section that has installed at least seven (7) acceptable projects of the type specified within past 5 years. Provide location and reference contacts for each of the submitted projects.
 - 3. Professional Membership: Installer shall be a member in good standing of either the Professional Landcare Network or the American Nursery and Landscape Association.

4. Installer's Field Supervision: Require Installer to maintain an experienced full-time supervisor with certifications outlined below on Project site when work is in progress.
 5. Personnel Certifications: Installer's field supervisor shall have certification in one of the following categories from the Professional Landcare Network:
 - a. Certified Turfgrass Professional, designated CTP.
 - b. Certified Turfgrass Professional of Cool Season Lawns, designated CTP-CSL.
- B. Soil-Testing Laboratory Qualifications: An independent laboratory or university laboratory, recognized by the State Department of Agriculture, with the experience and capability to conduct the testing indicated and that specializes in types of tests to be performed.
- C. Soil Analysis: For each unamended soil type, furnish soil analysis and a written report by a qualified soil-testing laboratory stating percentages of organic matter; gradation of sand, silt, and clay content; cation exchange capacity; available nutrients; deleterious material; pH and recommendations to obtain optimal pH factor; mineral and plant-nutrient content of the soil; map with locations where each sample was collected; date, time and weather when samples were collected; and name of person who collected the samples.
1. Testing methods and written recommendations shall comply with USDA's Handbook No. 60.
 2. The soil-testing laboratory shall oversee soil sampling, with depth, location, and number of samples to be taken per instructions from Architect. A minimum of three representative samples shall be taken from varied locations for each soil to be used or amended for planting purposes.
 3. Report suitability of tested soil for turf growth.
 - a. Based on the test results, state recommendations for soil treatments and soil amendments to be incorporated. State recommendations in weight per 1,000 sq. ft. or volume per cu. yd. for nitrogen, phosphorus, and potash nutrients and soil amendments to be added to produce satisfactory planting soil suitable for healthy, viable plants.
 - b. Report presence of problem salts, minerals, or heavy metals, including aluminum, arsenic, barium, cadmium, chromium, cobalt, lead, lithium, and vanadium. If such problem materials are present, provide additional recommendations for corrective action.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Seed and Other Packaged Materials: Deliver packaged materials in original, unopened containers showing weight, certified analysis, name and address of manufacturer, and indication of conformance with state and federal laws, as applicable.

- B. Sod: Harvest, deliver, store, and handle sod according to requirements in "Specifications for Turfgrass Sod Materials" and "Specifications for Turfgrass Sod Transplanting and Installation" in TPI's "Guideline Specifications to Turfgrass Sodding." Deliver sod in time for planting within 24 hours of harvesting. Protect sod from breakage and drying.
- C. Bulk Materials:
 - 1. Do not dump or store bulk materials near structures, utilities, walkways and pavements, or on existing turf areas or plants.
 - 2. Provide erosion-control measures to prevent erosion or displacement of bulk materials, discharge of soil-bearing water runoff, and airborne dust reaching adjacent properties, water conveyance systems, or walkways.
 - 3. Accompany each delivery of bulk fertilizers, lime, and soil amendments with appropriate certificates.

1.9 PROJECT CONDITIONS

- A. Planting Restrictions: Plant during one of the following periods. Coordinate planting periods with initial maintenance periods to provide required maintenance from date of planting completion.
 - 1. Spring Planting: March 15 to May 15.
 - 2. Fall Planting: August 15 to September 15.
- B. Hydroseeding Restrictions: Do not hydroseed without prior written permission of the Architect.
- C. Weather Limitations: Proceed with planting only when existing and forecasted weather conditions permit planting to be performed when beneficial and optimum results may be obtained. Apply products during favorable weather conditions according to manufacturer's written instructions.

1.10 SEQUENCING AND REVIEW

- A. Notify Architect no fewer than 48 hours in advance of proposed seeding and sodding to allow review of topsoil finish grading.
- B. Do not proceed with seeding and sodding without Architect's written permission.
 - 1. Architect's written permission does not alleviate Contractor from conforming to the required grades indicated on Drawings.

1.11 MAINTENANCE

- A. Initial Turf Maintenance Service: Provide full maintenance by skilled employees of landscape Installer. Maintain as required in Part 3. Begin maintenance immediately after each area is planted and continue until acceptable turf is established, as determined by the Architect, but for not less than the following periods:
1. Seeded and Sodded Turf: Five (5) documented mowings.
 - a. Document mowings in writing via fax or email to Owner and Architect on the day each mowing is performed. Failure of notification may subject Contractor to further mowings at no additional cost to Owner.
 2. When initial maintenance period has not elapsed before end of planting season, or if turf is not fully established, continue maintenance during next planting season.
- B. Water: Provide all water required to properly irrigate temporary, permanent, and renovated turf areas. Include all facilities including, but not limited to, hoses, sprinklers, water cannons and reels, as long as it takes to establish and maintain turf. When adequate water supply or pressure is not available, supply water from offsite, including trucking.

1.12 WARRANTY

- A. Special Warranty: Installer agrees to repair or replace turf that fails in materials, workmanship, or growth within specified warranty period.
1. Failures include, but are not limited to, the following:
 - a. Death and unsatisfactory growth, except for defects resulting from abuse, lack of adequate maintenance, or neglect by Owner, or incidents that are beyond Contractor's control.
 2. Warranty Period:
 - a. Turf: 12 months, after acceptable turf is established, as determined by the Architect.
 3. Include the following remedial actions as a minimum:
 - a. Immediately remove dead turf and replace unless required to plant in the succeeding planting season.
 - b. Replace with seed or sod as originally specified.
- B. Provide extended warranty for period equal to original warranty period, for replaced turf material.

PART 2 - PRODUCTS

2.1 SEED

- A. Seed: Fresh, clean, dry, new-crop seed complying with AOSA's "Journal of Seed Technology; Rules for Testing Seeds" for purity and germination tolerances.
- B. Seed Blends: Seed blend with not less than 95 percent germination, not less than 85 percent live seed, and not more than 0.5 percent weed seed.
 - 1. If premixed blend, follow manufacturer's recommended maximum seeding rate unless otherwise noted.
- C. Lawn Seed:
 - 1. Varieties: Premier varieties of Kentucky bluegrass, perennial ryegrass, tall fescue and fine fescue with a mean ranking of 6.0 or higher on the National Turfgrass Evaluation Program (NTEP) current list of tested varieties for the Northeast United States.
- D. Seed Blends: Seed of grass species as follows, with not less than 95 percent germination, not less than 85 percent pure seed, and not more than 0.5 percent weed seed:
 - 1. General Lawn Mixture-Tall Fescue/Kentucky Bluegrass Blend: Proportioned by weight as follows:
 - a. 85 percent tall fescue (*Festuca arundinacea*).
 - b. 15 percent Kentucky bluegrass (*Poa pratensis*).
 - 2. General Lawn Mixture – Kentucky Bluegrass: Proportioned by weight as follows:
 - a. 85 percent 1/3 equal mixture of three Kentucky bluegrass (*Poa pratensis*) varieties.
 - b. 15 percent fine fescue (*Fescue rubra*).
 - 3. General Lawn Sun/Shade Mixture: Proportioned by weight as follows:
 - a. 75 percent 1/3 equal mixture of three Kentucky bluegrass (*Poa pratensis*) varieties.
 - b. 25 percent fine fescue (*Fescue rubra*).
 - 4. Athletic Field Blend (Kentucky bluegrass): Proportioned by weight as follows:
 - a. 90 percent 1/3 equal mixture of three Kentucky bluegrass (*Poa pratensis*) varieties.
 - b. 10 percent fine fescue (*Fescue rubra*).
 - 5. Athletic Field Blend (Tall fescue/Kentucky Bluegrass): Proportioned by weight as follows:
 - a. 75 percent tall fescue.
 - b. 25 percent Kentucky Bluegrass

6. Conservation / Detention Basin Seed Blend: Provide native grass and forb seed mix containing the following varieties: *Panicum clandestinum* (Deertongue, “Tioga”); *Carex vulpinoidea* (Fox Sedge); *Elymus virginicus* (Virginia Wildrye); *Panicum virgatum* “Shawnee” (Switchgrass, “Shawnee”); *Agrostis perennans* (Autumn Bentgrass); *Agrostis scabra* (Rough Bentgrass); *Juncus effuses* (Soft Rush); *Juncus tenuis* (Path Rush); *Scirpus atrovirens* (Green Bulrush).
 - a. Basis-of-Design Product: Subject to compliance with requirements, provide product manufactured by Ernst Conservation Seeds, Inc. “Native Detention Area Mix”, or comparable product.

2.2 TURFGRASS SOD

- A. Turfgrass Sod: Gold Tag certified premium quality seed, complying with "Specifications for Turfgrass Sod Materials" in TPI's "Guideline Specifications to Turfgrass Sodding." Furnish viable sod of uniform density, color, and texture, strongly rooted, and capable of vigorous growth and development when planted.
- B. Varieties: Premier varieties of Kentucky bluegrass and fescue with a mean ranking of 6.0 or higher on the National Turfgrass Evaluation Program (NTEP) current list of tested varieties for the Northeast United States.
- C. Turfgrass Species: Sod of grass species as follows, with not less than 95 percent germination, not less than 85 percent pure seed, and not more than 0.5 percent weed seed:
 1. Full Sun: Kentucky bluegrass (*Poa pratensis*), a minimum of three varieties.
 2. Sun and Partial Shade: Kentucky bluegrass (*Poa pratensis*) and fescue blend.
- D. Moisture Content: Do not harvest or transplant sod when moisture content (excessively dry or wet) may adversely affect its survival.
- E. Height: Mow sod before stripping to a height of one inch to 2-1/2 inches.
- F. Thickness of Cut: Machine cut sod at a uniform soil thickness of 5/8-inch, plus or minus 1/4-inch, at time of cutting. Exclude top growth and thatch from measurement for thickness.
- G. Pad Size: Cut to supplier’s standard width and length. Maximum allowable deviation from standard widths of 1/2-inch. Maximum allowable deviation from standard length of 5 percent. Broken pads and torn or uneven ends not acceptable.
- H. “Big Roll” Form: Sod cut a minimum 42 inches wide and 100 feet long, machine cut at uniform soil thickness of 0.75-inch, measured to exclude top growth and thatch.
- I. Strength of Sod Sections: Standard size sections of strong strong enough to support own weight and retain size and shape when suspended vertically from a firm grasp on the upper 10 percent of the section.
- J. Thatch: Up to 1/2 inch height (uncompressed) allowable.

K. **Manufacturers:** Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

1. CY Farms/Batavia Turf.
2. Lakeside Sod Supply Co., Inc.

2.3 ORGANIC COMPOST

A. Compost: Organic product manufactured through the controlled aerobic, biological decomposition of biodegradable materials which involves mesophilic and thermophilic temperatures to reduce weed seeds and stabilize carbon content. Manufacturing facility is to be registered and/or permitted by New York State Department of Environmental Conservation and is to comply with their requirements.

B. Compost requirements:

Parameters	Units of Measure	Range	Analysis Method
pH	pH units	5.8-7.8	TMECC 04.11-A
Soluble Salts Concentration (electrical conductivity)	dS/m (mmhos/cm)	Maximum 6	TMECC 04.10-A
Moisture Content	%, wet weight basis	20-50	TMECC 03.09-A
Organic Matter Content	%, dry weight basis	Minimum 60	TMECC 05.07-A
Particle Size	% passing a selected mesh size, dry weight basis	97-100% Passing 3/8"	TMECC 02.02-B or ASTM D 2977
C:N Ratio	Ratio, dry weight basis	5:1 – 30:1	TMECC 05.02-A
Physical Contaminants (man-made inerts)	%, dry weight basis	<.50	TMECC 03.08

C. Mix with existing and imported topsoils in ratio designated in “Turf Planting Soil” Article below. Compost must be provided for both existing and imported topsoil, with the exception of topsoil with 10% of organic content and above.

D. Compost testing is to be in accordance with the US Composting Seal of Testing Assurance Program.

E. Basis-of-Design Product: Subject to compliance with requirements, provide one of the following or a comparable product:

1. Naturcycle Compost, Naturcycle LLC

2. WeCare Compost, WeCare Organics
3. Sustane Concentrated Compost 2-6-3, Sustane Natural Fertilizer, Inc.
4. Agresource, Inc. - Agresoil Compost

2.4 FERTILIZERS

- A. Bonemeal: Commercial, raw or steamed, finely ground; a minimum of 4 percent nitrogen and 20 percent phosphoric acid.
- B. Commercial Fertilizer: Commercial-grade complete fertilizer of neutral character, consisting of fast- and slow-release nitrogen, 50 percent derived from natural organic sources of urea formaldehyde, phosphorous, and potassium in the following composition, unless otherwise indicated:
 1. Spring Fertilization: 10 percent nitrogen, 6 percent available phosphorous, and 4 percent water-soluble potash (10-6-4).
 2. Fall Fertilization: 5 percent nitrogen, 10 percent available phosphorous, and 5 percent water-soluble potash (5-10-5).
 3. Final Fertilization:
 - a. Spring: Granular slow release fertilizer with high nitrogen (38 percent), Uramite or other Architect-approved material.
 - b. Fall: "Fall Fertilization" composition above.
 4. Follow requirements regarding fertilization recommended in soil reports from a qualified soil-testing laboratory.

2.5 TURF PLANTING SOILS

- A. General: Provide turf planting soil consisting of existing and/or imported topsoil with amendments and fertilizers noted in this Section. Unamended existing or imported topsoil is not acceptable as turf planting soil.
 1. Where quantities of existing topsoil are insufficient to provide 6 inch depth turf planting soil, supplement with imported topsoil, at no additional cost to Owner.
- B. Topsoil Requirements: Free of subsoil, stones 1 inch or larger in any dimension, dense material, hardpan, slag, clay, cinders, sod, roots, sticks, poison ivy, crabgrass, cough grass, noxious weeds, and foreign matter, including but not limited to glass, screws, asbestos, toxins, hazardous wastes, petroleum product contamination, lead and chemicals (such as atrizene and muriatic acid) that may be injurious to humans, animals and plant materials.
 1. Mechanically screen topsoil to conform to following gradations:

<u>Sieve Designation</u>	<u>Percent Passing</u>
1 inch.....	100
1/4 inch.....	97-100
#200.....	20-65 of the 1/4-inch sieve

2. No more than 60 percent of material passing #100 mesh shall consist of clay as determined by Bouyoucous hydrometer or by decantation method.
 3. Topsoil to comply with the following:
 - a. Organic Matter Content: Not more than 10 percent.
 - b. Corrected to pH Value: 6.5 to 7.5 on that portion passing 1/4-inch sieve.
 - c. Soluble Salt Content: Not to exceed 500 parts per million.
- C. Existing Topsoil: Existing, native surface topsoil formed under natural conditions with the duff layer retained during excavation process and stockpiled on-site. Verify suitability of native surface topsoil to produce viable planting soil.
1. Provide soil analysis per requirements in Part 1 of this Section.
- D. Imported Topsoil: Imported topsoil obtained from local sources or from areas having similar soil characteristics as Project site. Obtain topsoil displaced from naturally well-drained sites where topsoil occurs at least 6 inches deep; do not obtain from agricultural land, bogs or marshes.
1. Additional Properties of Imported Topsoil or Manufactured Topsoil: Screened and free of stones 1 inch or larger in any dimension; free of roots, plants, sod, clods, clay lumps, pockets of coarse sand, paint, paint washout, concrete slurry, concrete layers or chunks, cement, plaster, building debris, oils, gasoline, diesel fuel, paint thinner, turpentine, tar, roofing compound, acid, and other extraneous materials harmful to plant growth; free of obnoxious weeds and invasive plants including quackgrass, Johnsongrass, poison ivy, nutsedge, nimblewill, Canada thistle, bindweed, bentgrass, wild garlic, ground ivy, perennial sorrel, and brome grass; not infested with nematodes, grubs, other pests, pest eggs, or other undesirable organisms and disease-causing plant pathogens; friable and with sufficient structure to give good tilth and aeration. Continuous, air-filled, pore-space content on a volume/volume basis shall be at least 15 percent when moisture is present at field capacity. Soil shall have a field capacity of at least 15 percent on a dry weight basis.
 2. Provide soil analysis per requirements in Part 1 of this Section.
- E. Required Amendments: Mix existing and imported topsoil with the following soil amendments in the following quantities to produce planting soil:
1. Organic Compost:
 - a. Ratio of Loose Compost to Blended Topsoil: For bidding purposes, provide 1 part compost to 5 parts blended topsoil. For athletic fields, tailor amount to achieve 8% organics. This amount of compost is required regardless of organic content of native or imported topsoil.
 - b. Regardless of topsoil organic content, add organic compost to all turf planting soils, including topsoils placed on slopes and in stormwater basins, swales and biofiltration areas.
 2. pH Adjustment: Apply approved calcium or sulfur compounds to correct pH level to be between 6.5 and 7.5 or as recommended by soil analysis report.

3. Soil Analysis Recommendations: Provide nutritional and other amendments recommended in the soil analysis report, as approved by Architect.
4. Provide fertilizer per “Fertilizer” Article above.

2.6 TOPDRESSING SAND

- A. Provide processed sand tested to meet the following requirements per ASTM-F-1632.

Processed Sand: The sand shall meet the following particle size criteria:

	Sieve Mesh	Diameter of Sieve (mm)	Allowable Range % retained
Coarse Gravel	5	4.00	0%
Fine Gravel	10	2.00	0-5%
Very Coarse Sand	18	1.00	0-20% combined with gravel
Coarse	35	0.50	20-50%
Medium	60	0.25	20-40%
Fine	100	0.15	20% maximum
Very Fine	270	0.075	5% maximum
Silt & Clay			3% maximum

1. Sand is to have a coefficient of uniformity not exceeding 3.5 (D60/D10).
2. Maximum of 5% combined very fine sand, silt and clay allowable.
3. Minimum of 60% in the medium and coarse size fractions required.

2.7 MULCHES

- A. Straw Mulch: Provide air-dry, clean, mildew- and seed-free, salt hay or threshed straw of wheat, rye, oats, or barley.

2.8 HYDROSEEDING MATERIALS

- A. Fiber Mulch: Biodegradable, dyed-wood, cellulose-fiber mulch; nontoxic and free of plant-growth or germination inhibitors; with a maximum moisture content of 15 percent and a pH range of 4.5 to 6.5.

- B. Nonasphaltic Tackifier: Colloidal tackifier recommended by fiber-mulch manufacturer for slurry application; nontoxic and free of plant-growth or germination inhibitors.

2.9 EROSION-CONTROL MATERIALS

- A. Refer to Section 31 25 00 "Erosion and Sedimentation Controls."

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas to be planted for compliance with requirements and other conditions affecting performance.
 - 1. Verify that no foreign or deleterious material or liquid such as paint, paint washout, concrete slurry, concrete layers or chunks, cement, plaster, oils, gasoline, diesel fuel, paint thinner, turpentine, tar, roofing compound, or acid has been deposited in soil within a planting area.
 - 2. Do not mix or place soils and soil amendments in frozen, wet, or muddy conditions.
 - 3. Suspend soil spreading, grading, and tilling operations during periods of excessive soil moisture until the moisture content reaches acceptable levels to attain the required results.
 - 4. Uniformly moisten excessively dry soil that is not workable and which is too dusty.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.
- C. If contamination by foreign or deleterious material or liquid is present in soil within a planting area, remove the soil and contamination as directed by Architect and replace with new planting soil.
- D. Beginning installation constitutes Contractor's acceptance of substrates and conditions.

3.2 PREPARATION

- A. Protect structures, utilities, sidewalks, pavements, and other facilities, trees, shrubs, and plantings from damage caused by planting operations.
 - 1. Protect adjacent and adjoining areas from hydroseeding and hydromulching overspray.
 - 2. Protect grade stakes set by others until directed to remove them.
- B. Install erosion-control measures to prevent erosion or displacement of soils and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways.

3.3 TURF AREA PREPARATION

- A. Limit turf subgrade preparation to areas to be planted.
- B. Newly Graded Subgrades: Loosen subgrade to a minimum depth of 4 inches. Remove stones larger than 1 inch in any dimension and sticks, roots, rubbish, and other extraneous matter and legally dispose of them off Owner's property.
- C. Bulk-mix screened topsoil, soil amendments, organic compost and fertilizer, and thoroughly blend planting soil.
 - 1. Delay mixing fertilizer with planting soil if planting will not proceed within a few days.
 - 2. If soil testing recommendations do not provide fertilizer application quantities, provide application rate of 1 lb. of nitrogen per 1,000 square feet.
 - 3. If liming is required, mix lime with dry soil before mixing fertilizer.
- D. If topsoil is to remain in place, thoroughly incorporate the additives into the top 6 inches of topsoil.
- E. Spread planting soil to a depth of 6 inches but not less than required to meet finish grades after light rolling and natural settlement. Do not spread if planting soil or subgrade is frozen, muddy, or excessively wet.
 - 1. Spread approximately 1/3 the thickness of planting soil over loosened subgrade. Mix thoroughly into top 2 inches of subgrade. Spread remainder of planting soil.
 - 2. Reduce elevation of planting soil to allow for soil thickness of sod.
- F. Unchanged Subgrades: If topsoil is to remain in place, prepare surface soil as follows:
 - 1. Cut neat line between existing turf to remain and new turf.
 - 2. Remove existing grass, vegetation, and turf. Do not mix into surface soil.
 - 3. Loosen surface soil to a depth of at least 6 inches. Uniformly apply the soil amendments, organic compost and fertilizer over the entire area using a compost spreader or similar equipment that will achieve a uniform application, according to planting soil mix proportions and mix thoroughly into top 5 inches of soil. Till soil to a homogeneous mixture of fine texture.
 - a. Delay mixing fertilizer with planting soil if planting will not proceed within a few days.
 - 4. Remove stones larger than 1 inch in any dimension and sticks, roots, trash, and other extraneous matter.
 - 5. Legally dispose of waste material, including grass, vegetation, and turf.
- G. Finish Grading: Grade planting areas to a smooth, uniform surface plane with loose, uniformly fine texture. Grade to within plus or minus 1/2 inch of finish elevation. Roll and rake, remove ridges, and fill depressions to meet finish grades. Limit finish grading to areas that can be planted in the immediate future.

- H. Moisten prepared area before planting if soil is dry. Water thoroughly and allow surface to dry before planting. Do not create muddy soil.
- I. Before planting, obtain Architect's written permission; restore planting areas if topsoil finish grading is eroded or otherwise disturbed after finish grading.

3.4 PREPARATION FOR EROSION-CONTROL MATERIALS

- A. Erosion Control Matting: Install amended topsoil and seed before erosion control matting is installed. Follow manufacturer's installation recommendations.]
- B. Turf reinforcement matting: Install planting soil in two lifts. First lift is installed before the matting is placed. Second lift is placed after the matting is installed by filling the cells of the matting with planting soil. Lightly compact soil before seeding. Follow manufacturer's installation recommendations.

3.5 SEEDING

- A. Timing: Provide seeding within planting times indicated.
 - 1. Seed at earliest possible date to achieve mature turf prior to Owner occupancy.
 - 2. Sow Tall Fescue varieties preferably in fall.
- B. Sow seed with Brillion spreader or similar seeding machine. Do not broadcast or drop seed when wind velocity exceeds 5 mph. Evenly distribute seed by sowing equal quantities in three passes: second pass at 90 degrees to the first, third pass at 45 degrees to second.
 - 1. Do not use wet seed or seed that is moldy or otherwise damaged.
 - 2. Do not seed against existing trees. Limit extent of seed to outside edge of planting saucer.
- C. Sow seed at a total rate of 6 lb/1,000 sq. ft.
- D. Rake seed lightly into top 1/8 inch of soil, roll lightly, and water with fine spray.
- E. Protect seeded areas with slopes not exceeding 1:4 as follows:
 - 1. In small areas adjacent to buildings, at parking islands and narrow strips of seeding along paving, spread straw mulch. Spread uniformly at a minimum rate of 2 tons/acre to form a continuous blanket 1-1/2 inches in loose thickness over seeded areas. Spread by hand, blower, or other suitable equipment. Avoid areas of thick mulch that will prevent seed determination.
 - 2. In larger areas, including athletic fields if approved by Architect, mulch by hydromulching.
- F. Water newly planted areas and keep moist until new turf is established.

3.6 HYDROSEEDING

- A. Prior Permission: Request permission of Architect for hydroseeding. Do not hydroseed without prior written permission of the Architect. Equipment and materials must be submitted and approved before permission to hydroseed will be given.
- B. Hydroseeding: Mix specified seed, fertilizer, and fiber mulch in water, using equipment specifically designed for hydroseed application. Continue mixing until uniformly blended into homogeneous slurry suitable for hydraulic application.
 - 1. Mix slurry with fiber-mulch manufacturer's recommended tackifier.
 - 2. Apply slurry uniformly to all areas to be seeded in a two-step process.
 - a. Apply first slurry coat containing mulch and seed at a rate so that mulch component is deposited at not less than 500-lb/acre dry weight, and seed component is deposited at not less than the specified seed-sowing rate.
 - b. Apply slurry cover coat of fiber mulch (hydromulching) at a rate of 1,000 lb/acre. For slopes greater than 10 percent, apply second coat at 1,500 lb/acre.
 - 3. When hydromulching, avoid overspray on buildings, pavements, signs and other site features. If overspray occurs, clean mulch from all surfaces.
- C. Water newly planted areas and keep moist until new turf is established.

3.7 SODDING

- A. Lay sod within 24 hours of harvesting. Do not lay sod if dormant or if ground is frozen or muddy.
- B. Lay sod to form a solid mass with tightly fitted joints. Butt ends and sides of sod; do not stretch or overlap. Stagger sod strips or pads to offset joints in adjacent courses. Avoid damage to subgrade or sod during installation. Tamp and roll lightly to ensure contact with subgrade, eliminate air pockets, and form a smooth surface. Work sifted soil or fine sand into minor cracks between pieces of sod; remove excess to avoid smothering sod and adjacent grass.
 - 1. Lay sod across angle of slopes exceeding 1:3.
 - 2. Anchor sod on slopes exceeding 1:6 with wood pegs or steel staples spaced as recommended by sod manufacturer but not less than 2 anchors per sod strip to prevent slippage.
- C. Saturate sod with fine water spray within two hours of planting. During first week after planting, water daily or more frequently as necessary to maintain moist soil to a minimum depth of 1-1/2 inches below sod.
- D. Water newly sodded areas and keep moist until new turf is established.

3.8 EXISTING TURF RENOVATION/REPAIR – GENERAL (NON-ATHLETIC FIELD) AREAS

A. Renovate existing turf indicated on Drawings, turf areas disturbed as part of Project, and areas damaged by Contractor's operations, such as storage of materials or equipment and movement of vehicles. Reestablish turf where settlement or washouts occur or where minor regrading is required and install new planting soil and turf as required below.

1. In areas where turf has been removed, killed, damaged or contaminated:
 - a. Remove sod and vegetation from diseased or unsatisfactory turf areas; do not bury in soil.
 - b. Remove topsoil containing foreign materials such as oil drippings, fuel spills, stones, gravel, and other construction materials resulting from Contractor's operations, and replace with new planting soil.
 - c. Till stripped or bare areas thoroughly to a soil depth of 4 inches.
 - d. Install new planting soil to fill low spots and meet finish grades.
 - e. Apply soil amendments and initial fertilizers required for establishing new turf and mix thoroughly into top 4 inches of soil.
 - f. Apply seed and protect with straw mulch as required for new turf.
 - g. Water newly planted areas and keep moist until new turf is established.
 - h. For other maintenance required, refer to Turf Maintenance section.
2. In areas where existing turf remains:
 - a. Mow to height of 2-1/2”.
 - b. Core aerate in two to three passes at a rate of nine holes minimum per square foot to a minimum depth of 4 inches, and rake existing turf.
 - c. Remove weeds.
 - d. Remove waste and foreign materials, loose vegetation, and legally dispose of them off Owner's property.
 - e. Drag to break up cores or remove them.
 - f. Topdress with fine topsoil and overseed if there is less than 90% healthy turf coverage.

3.9 EXISTING TURF RENOVATION/REPAIR – ATHLETIC FIELD AREAS

A. Renovate existing athletic field turf indicated on Drawings or athletic field turf areas disturbed as part of Project as required below:

1. Determine areas that are too high and low to drain properly or that affect playability. Remove sod from those areas and shave down high spots and fill in low spots.
2. Install new planting soil to fill low spots.

3. Remove weeds.
4. Mow to height of 2-1/2".
5. Core aerate with an aerator equipped with 3/4" spoons in two to three passes at a rate of thirty holes minimum per square foot to a minimum depth of 4 inches.
6. Apply 50/50 mixture of Topdressing Sand and finely screened or granular Organic Compost (3/8" minus or less) evenly over turf surface using a top dresser or other suitable equipment in a uniform depth of 1/2".
7. Break up cores and smooth grade with a York rake, weighted chain link fence fabric or other acceptable equipment.
8. Apply seed to bare areas and areas with thin turf coverage per seeding specification.
9. Work should be done in late spring or early fall.

3.10 TURF MAINTENANCE

- A. Maintain and establish turf by watering, fertilizing, weeding, mowing, trimming, replanting, and performing other operations as required to establish healthy, viable turf. Roll, regrade, and replant bare or eroded areas and remulch to produce a uniformly smooth turf. Provide materials and installation the same as those used in the original installation.
 1. Fill in as necessary soil subsidence that may occur because of settling or other processes. Replace materials and turf damaged or lost in areas of subsidence.
 2. In areas where mulch has been disturbed by wind or maintenance operations, add new mulch and anchor as required to prevent displacement.
 3. Use hand weeding to control weeds. Schedule weedings throughout the year to maintain turf as free of weeds as possible.
- B. Watering: Use of sprinkler or irrigation system. Coordinate with Section 01 50 00 "Temporary Facilities and Controls."
 1. Schedule watering to prevent wilting, puddling, erosion, and displacement of seed or mulch. Lay out temporary watering system to avoid walking over muddy or newly planted areas.
 2. Water turf with fine spray at a minimum rate of 1 inch per week unless rainfall precipitation is adequate.
- C. Mow turf when new growth reaches 3.75-4.5 inches in height. Repeat mowing to maintain specified height once per week or as needed to ensure the maximum height does not exceed 4.5 inches between mowing. Do not delay mowing until grass blades bend over and become matted. Do not mow when grass is wet. Schedule initial and subsequent mowings to maintain the following grass height:
 1. Mow turf to a height of 2-1/2 to 3 inches.

2. Neatly trim edges and hand clip where necessary.
3. Immediately after each mowing (same day), carefully remove excess clippings to prevent damage to turf.

D. Turf Postfertilization: Apply fertilizer after initial mowing and when grass is dry.

3.11 SATISFACTORY TURF

A. Turf installations shall meet the following criteria as determined by Architect:

1. Satisfactory Seeded Turf: At end of maintenance period, a healthy, uniform, close stand of grass has been established, free of weeds and surface irregularities, with coverage exceeding 90 percent over any 10 sq. ft. and bare spots not exceeding 5 by 5 inches.
2. Satisfactory Sodded Turf: At end of maintenance period, a healthy, well-rooted, even-colored, viable turf has been established, free of weeds, brown spots, open joints, bare areas, and surface irregularities.

B. Use specified materials to reestablish turf that does not comply with requirements and continue maintenance until turf is satisfactory.

C. Warranty period does not begin until satisfactory turf is established, as determined by the Architect.

3.12 CONSERVATION GRASSES

A. Sow seed with spreader or seeding machine. Do not broadcast or drop seed when wind velocity exceeds 5 mph. Evenly distribute seed by sowing equal quantities in two directions at right angles to each other.

1. Do not use wet seed or seed that is moldy or otherwise damaged.

B. Sow seed at a total rate recommended by manufacturer and approved by Architect.

C. Brush seed into top 1/16 inch of soil, roll lightly, and water with fine spray.

D. Mulch in accordance with manufacturer's recommendations.

E. Water newly planted areas and keep moist until meadow is established.

3.13 CONSERVATION GRASSES MAINTENANCE

A. Maintain and establish conservation grasses by watering, weeding, mowing, trimming, replanting, and performing other operations as required to establish a healthy, viable grasses. Roll, regrade, and replant bare or eroded areas and re-mulch. Provide materials and installation the same as those used in the original installation.

1. Fill in as necessary soil subsidence that may occur because of settling or other processes. Replace materials in areas of subsidence.

2. In areas where mulch has been disturbed by wind or maintenance operations, add new mulch and anchor as required to prevent displacement.
- B. Watering: Install and maintain temporary piping, hoses, and watering equipment to convey water from sources and to keep planting uniformly moist.
1. Schedule watering to prevent wilting, puddling, erosion, and displacement of seed or mulch. Lay out temporary watering system to avoid walking over muddy or newly planted areas.
 2. Water planting with fine spray at a minimum rate of 1/2 inch per week for eight weeks after planting unless rainfall precipitation is adequate.

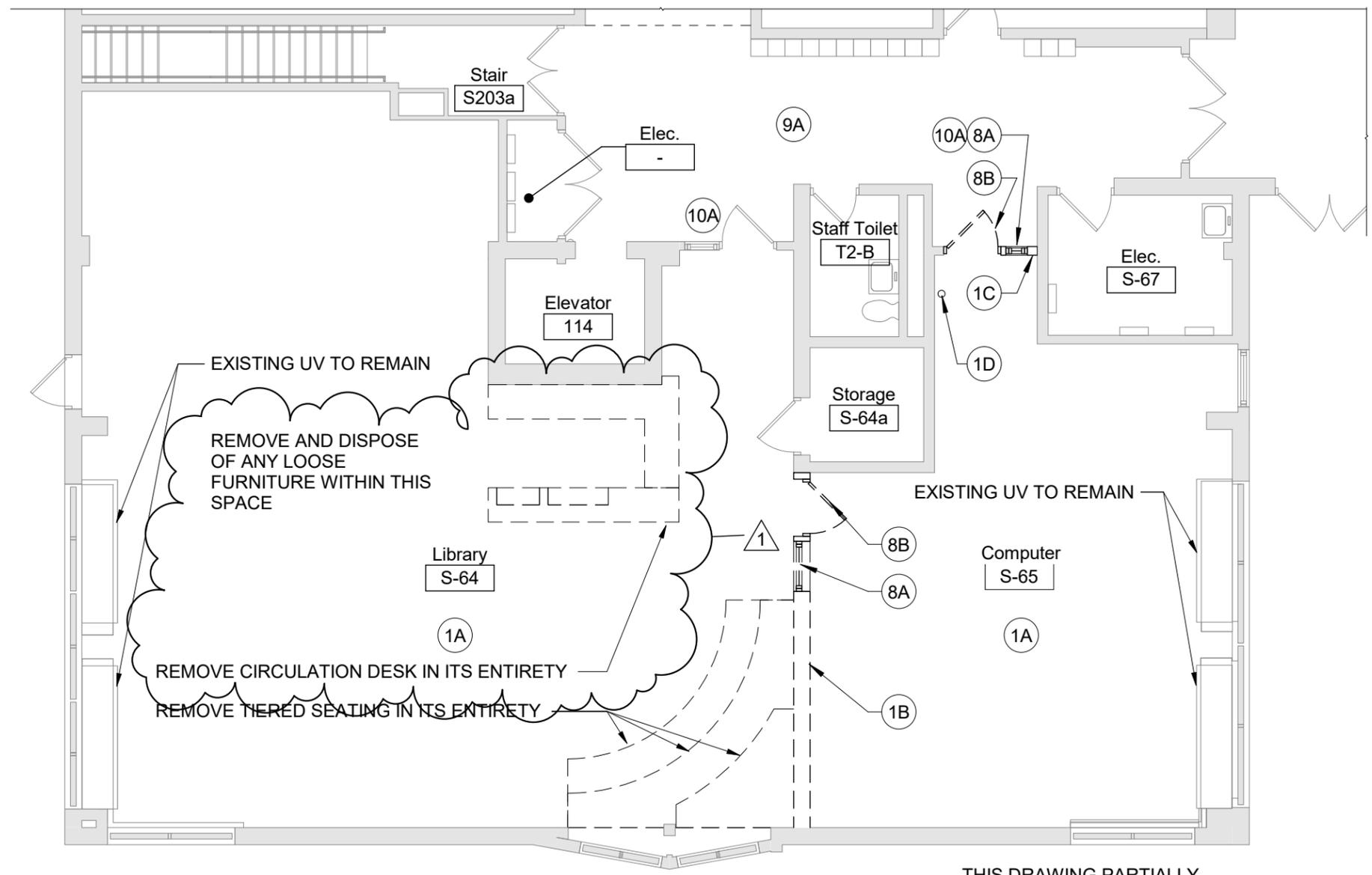
3.14 CLEANUP AND PROTECTION

- A. Promptly remove soil and debris created by turf work from paved areas. Clean wheels of vehicles before leaving site to avoid tracking soil onto roads, walks, or other paved areas.
- B. Erect temporary fencing or barricades and warning signs as required to protect newly planted areas from traffic. Maintain fencing and barricades throughout initial maintenance period and remove after plantings are established.
- C. Remove nondegradable erosion-control measures after grass establishment period.

END OF SECTION 32 92 00

1 2 3 4 5 6 7

A B C D E



THIS DRAWING PARTIALLY SUPERSEDES 5/AA100

1 Second Floor - Demolition Plan
 1/8" = 1'-0"

Proj. No.: 234903-20001
 Date: 03/25/21
 Drawn By: Author
 Drawing No.: AA01B

Rev.:	Date:	Description:
1	03/30/21	BID ADDENDUM NO 1

TETRA TECH
 ARCHITECTS & ENGINEERS
Tetra Tech Engineers, Architects & Landscape Architects, P.C.

Dobbs Ferry Union Free School District
Springhurst Elementary School
Second Floor - Demolition Plan

1 2 3 4 5 6 7

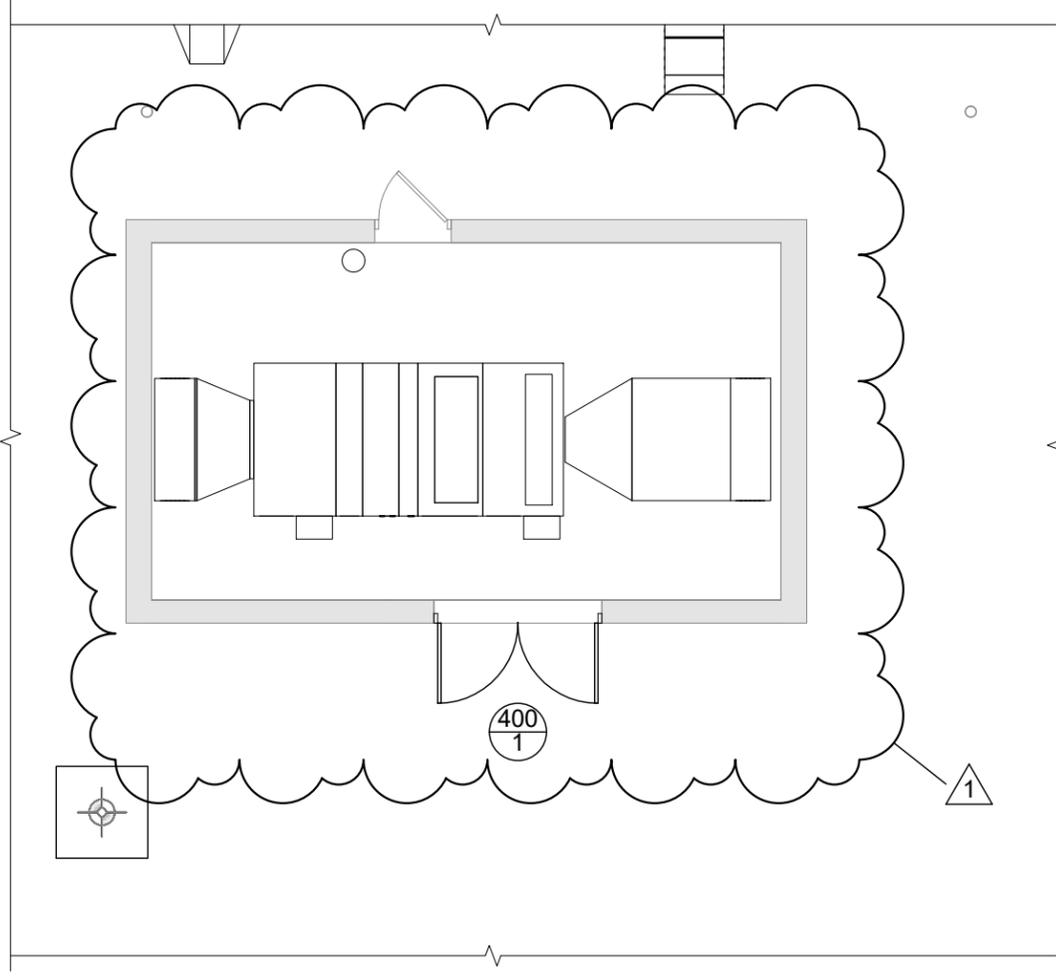
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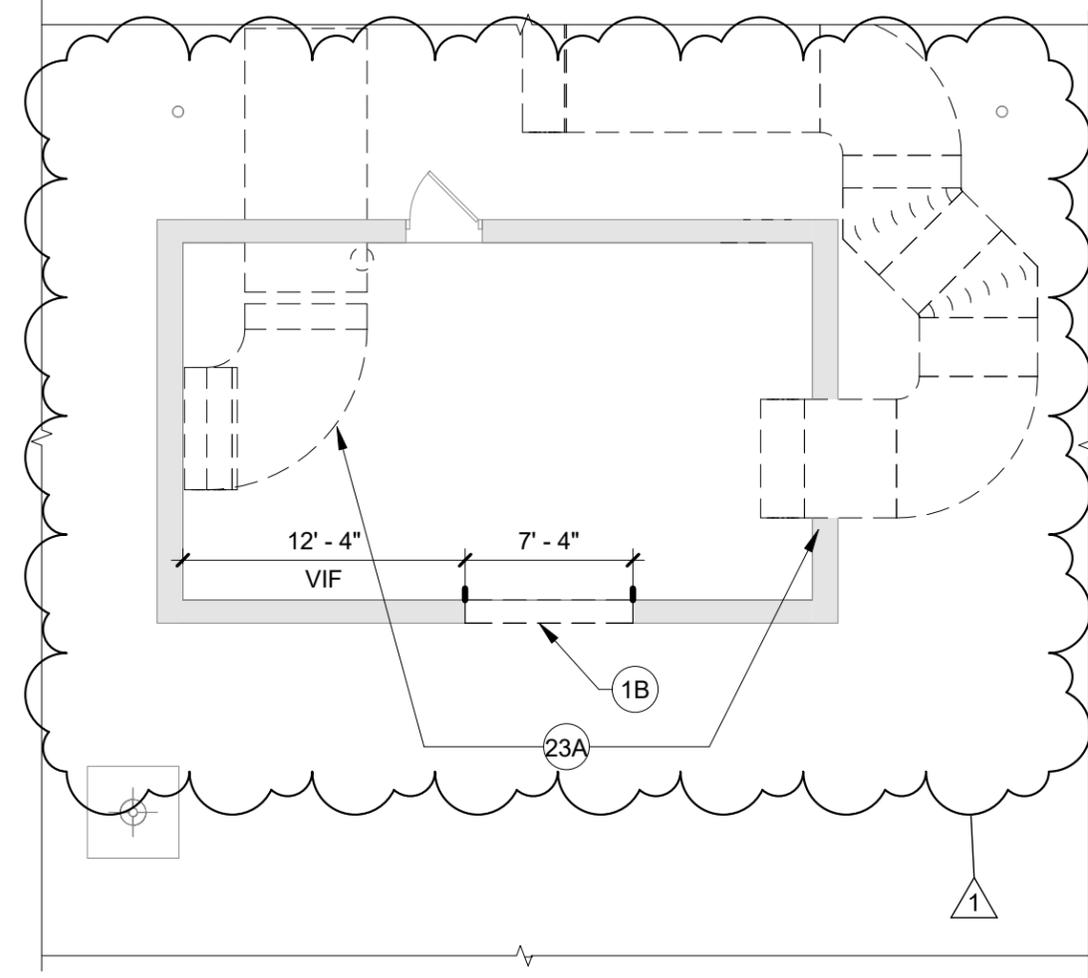
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THIS DRAWING PARTIALLY
SUPERSEDES 6/BA130

2 South Penthouse Roof Plan
1/8" = 1'-0"

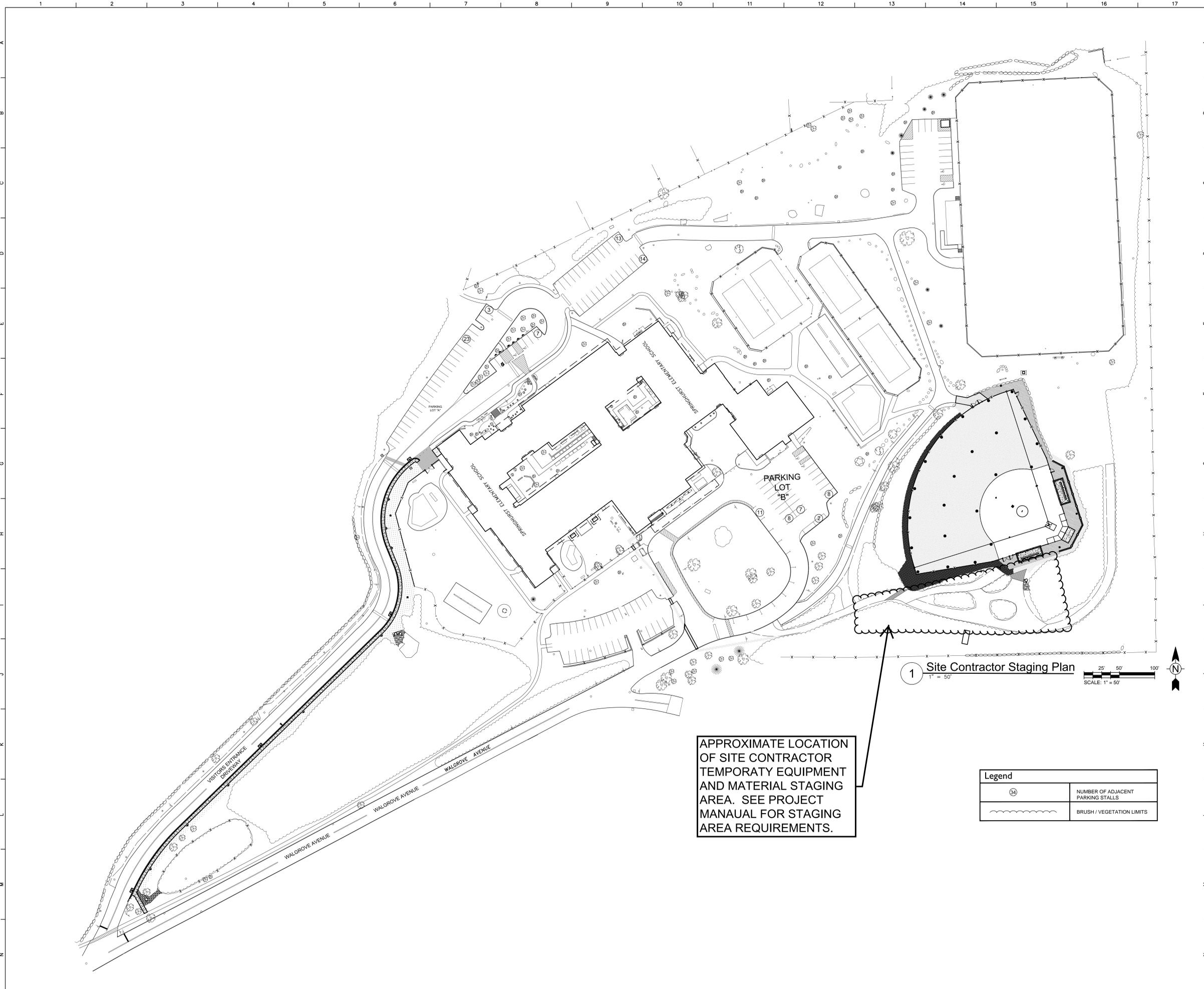


THIS DRAWING PARTIALLY
SUPERSEDES 5/BA100

1 South Penthouse Roof Demolition Plan
1/8" = 1'-0"

Proj. No.: 234903-20001
Date: 03/25/21
Drawn By: TLG
Drawing No.: BA01B

 TETRA TECH ARCHITECTS & ENGINEERS <small>Tetra Tech Engineers, Architects & Landscape Architects, P.C.</small>	03/30/21	BID ADDENDUM NO 1
	1	03/30/21
Dobbs Ferry Union Free School District Middle / High School South Penthouse Roof Demolition and Roof Plans		



1 Site Contractor Staging Plan
 1" = 50'
 SCALE: 1" = 50'

Legend	
	NUMBER OF ADJACENT PARKING STALLS
	BRUSH / VEGETATION LIMITS

General Site Notes

1. REFER TO DRAWING AC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL AC-SERIES DRAWINGS.

S.E.D. Control No. 66-04-03-03-004-018

1	03/31/21	New Drawing
Rev. No.:	Date:	Description:



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BID SET

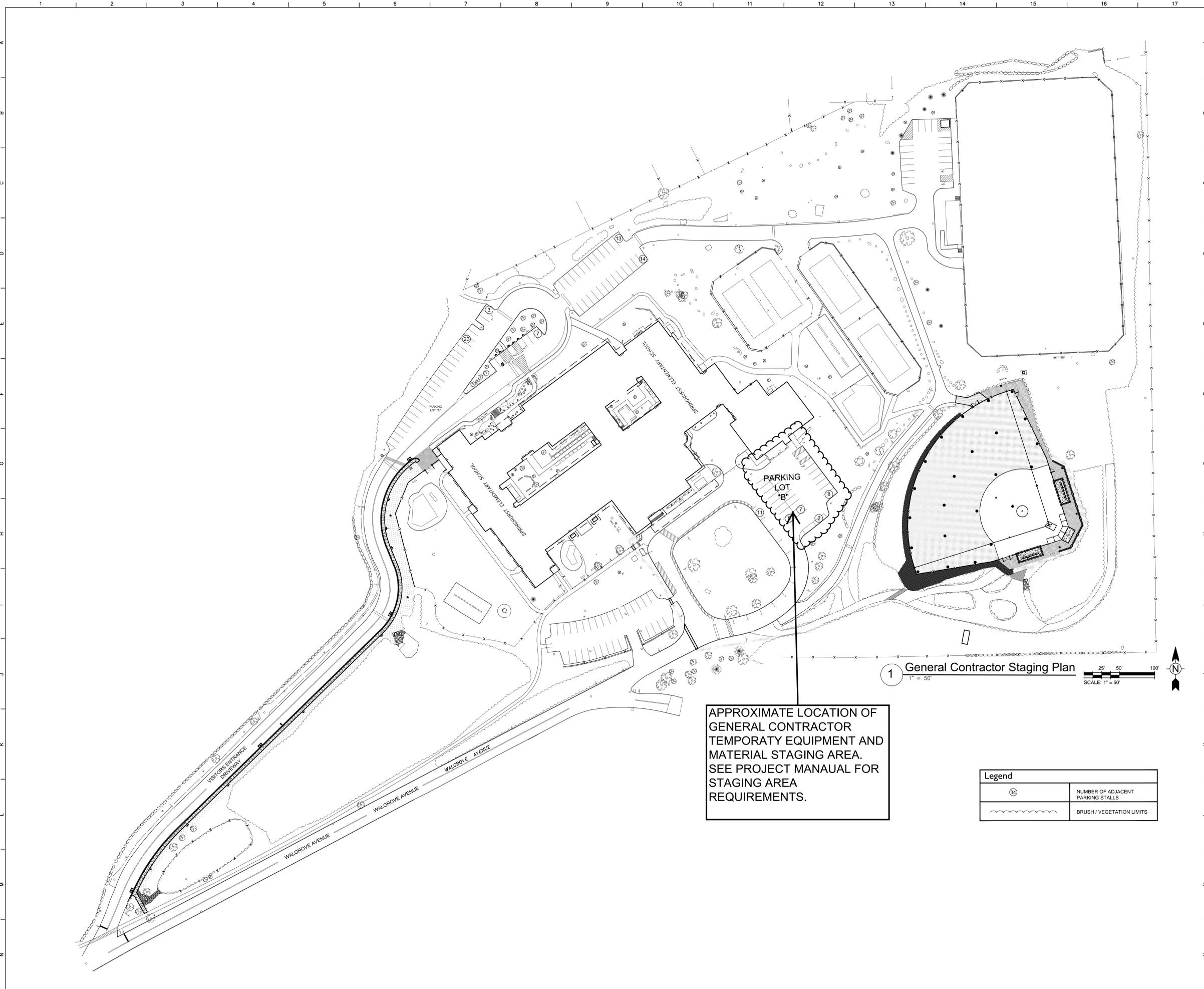


Dobbs Ferry Union Free School District
 Dobbs Ferry, New York

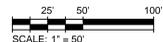
Reconstruction To:
 Springhurst Elementary School

SC Staging Plan

Drawn by: TWF	Date: 07/02/20	Drawing No.:
Project No.:	AG200	
234903-20001		



1 General Contractor Staging Plan
 1" = 50'



APPROXIMATE LOCATION OF
 GENERAL CONTRACTOR
 TEMPORARY EQUIPMENT AND
 MATERIAL STAGING AREA.
 SEE PROJECT MANUAL FOR
 STAGING AREA
 REQUIREMENTS.

Legend	
	NUMBER OF ADJACENT PARKING STALLS
	BRUSH / VEGETATION LIMITS

General Site Notes

1. REFER TO DRAWING AC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL AC-SERIES DRAWINGS.

S.E.D. Control No. 66-04-03-03-004-018

Rev. No.	Date	Description
1	03/31/21	New Drawing



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BID SET

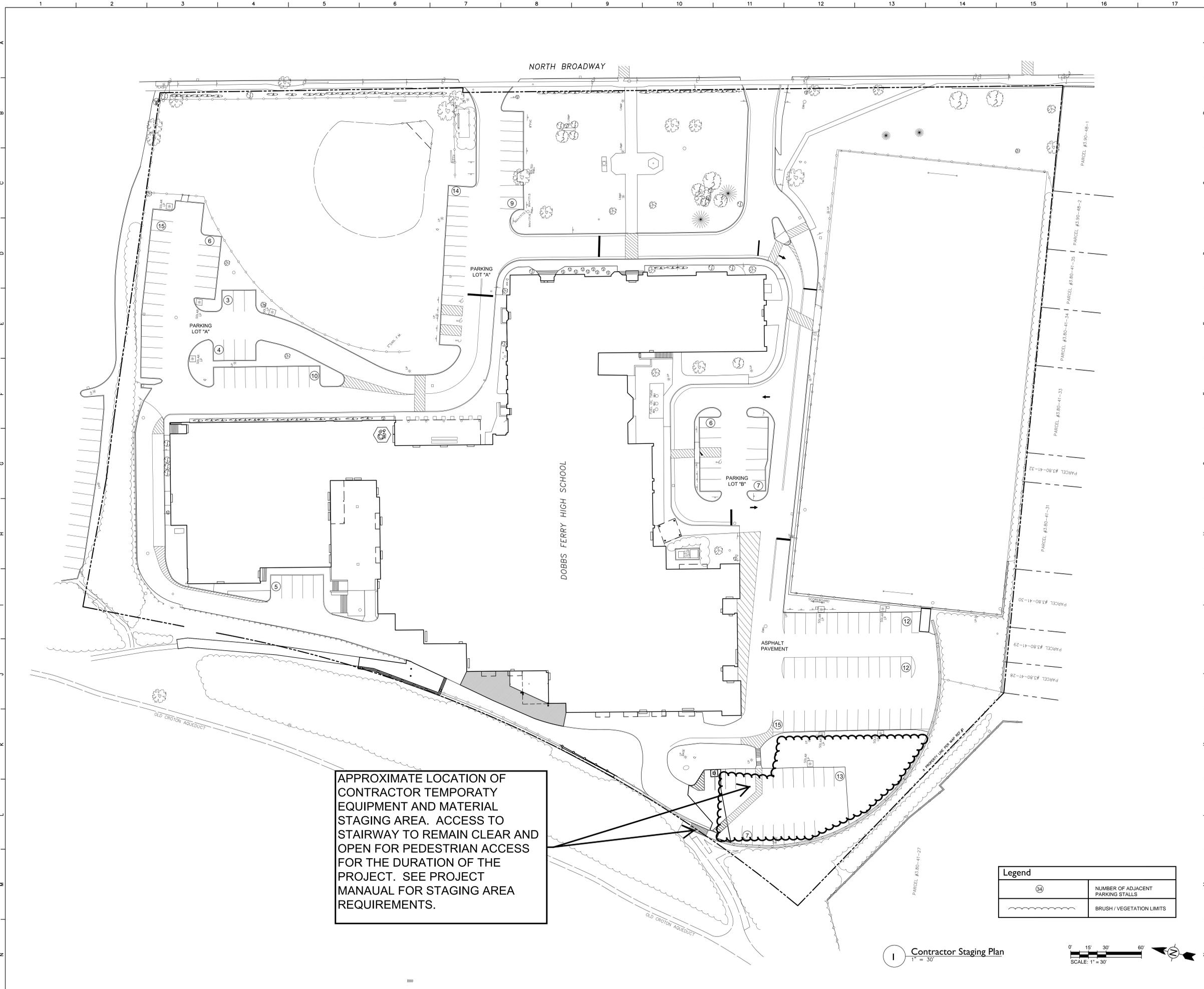


Dobbs Ferry Union Free School District
 Dobbs Ferry, New York

Reconstruction To:
 Springhurst Elementary School

GC Staging Plan

Drawn by: TWF	Date: 07/02/20	Drawing No.:
Project No.:		AG201
234903-20001		



APPROXIMATE LOCATION OF CONTRACTOR TEMPORARY EQUIPMENT AND MATERIAL STAGING AREA. ACCESS TO STAIRWAY TO REMAIN CLEAR AND OPEN FOR PEDESTRIAN ACCESS FOR THE DURATION OF THE PROJECT. SEE PROJECT MANUAL FOR STAGING AREA REQUIREMENTS.

Legend	
(34)	NUMBER OF ADJACENT PARKING STALLS
~~~~~	BRUSH / VEGETATION LIMITS

1 Contractor Staging Plan  
1" = 30'



**General Site Notes**

1. REFER TO DRAWING BC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL BC-SERIES DRAWINGS.

S.E.D. Control No. 66-04-03-03-0-001-019

1	03/31/21	New Drawing
Rev. No.:	Date:	Description:



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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

**BID SET**

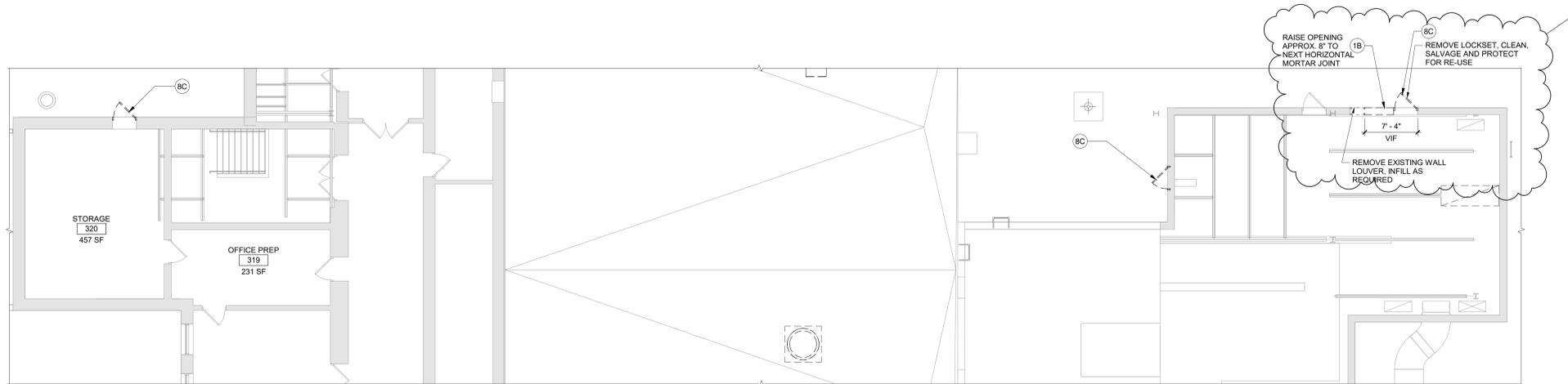


Dobbs Ferry Union Free School District  
Dobbs Ferry, New York

Reconstruction To:  
Middle High School

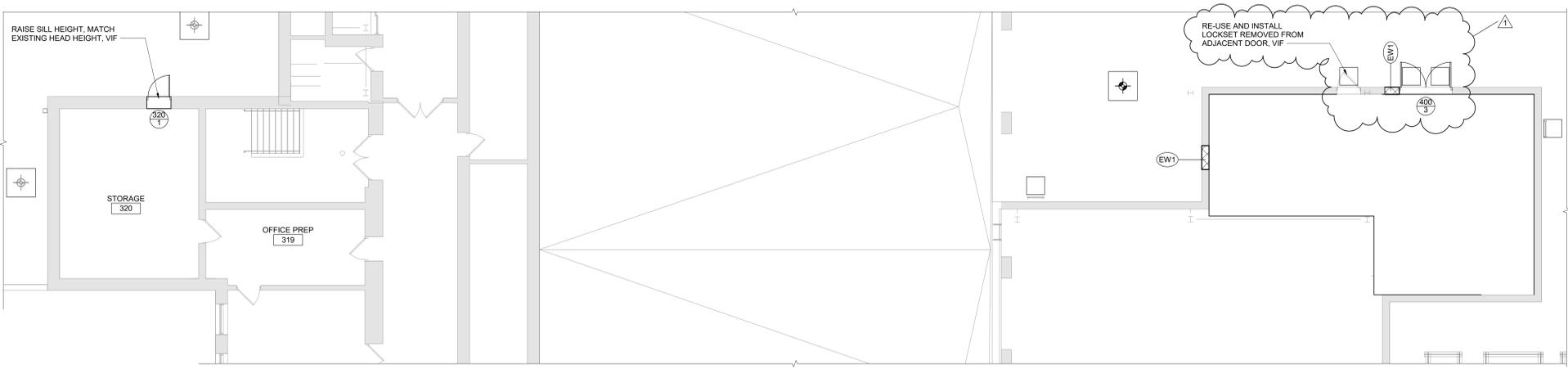
Contractor Staging Plan

Drawn by: TWF	Date: 07/02/20	Drawing No.:
Project No.:		BG200
234903-20001		



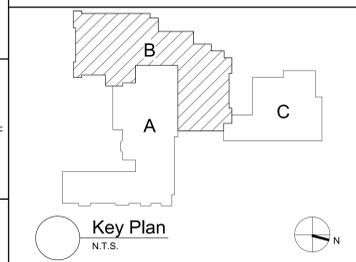
THIS DRAWING PARTIALLY SUPERSEDES 4/BA100

1 Partial Third Floor Demolition Plan  
1/8" = 1'-0"



THIS DRAWING PARTIALLY SUPERSEDES 5/BA130

2 Partial Third Floor Plan  
1/8" = 1'-0"



S.E.D. Control No. 66-04-03-03-0-001-019

Rev. No.	Date	Description
1	03/30/21	BID ADDENDUM NO 1



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**BID SET**

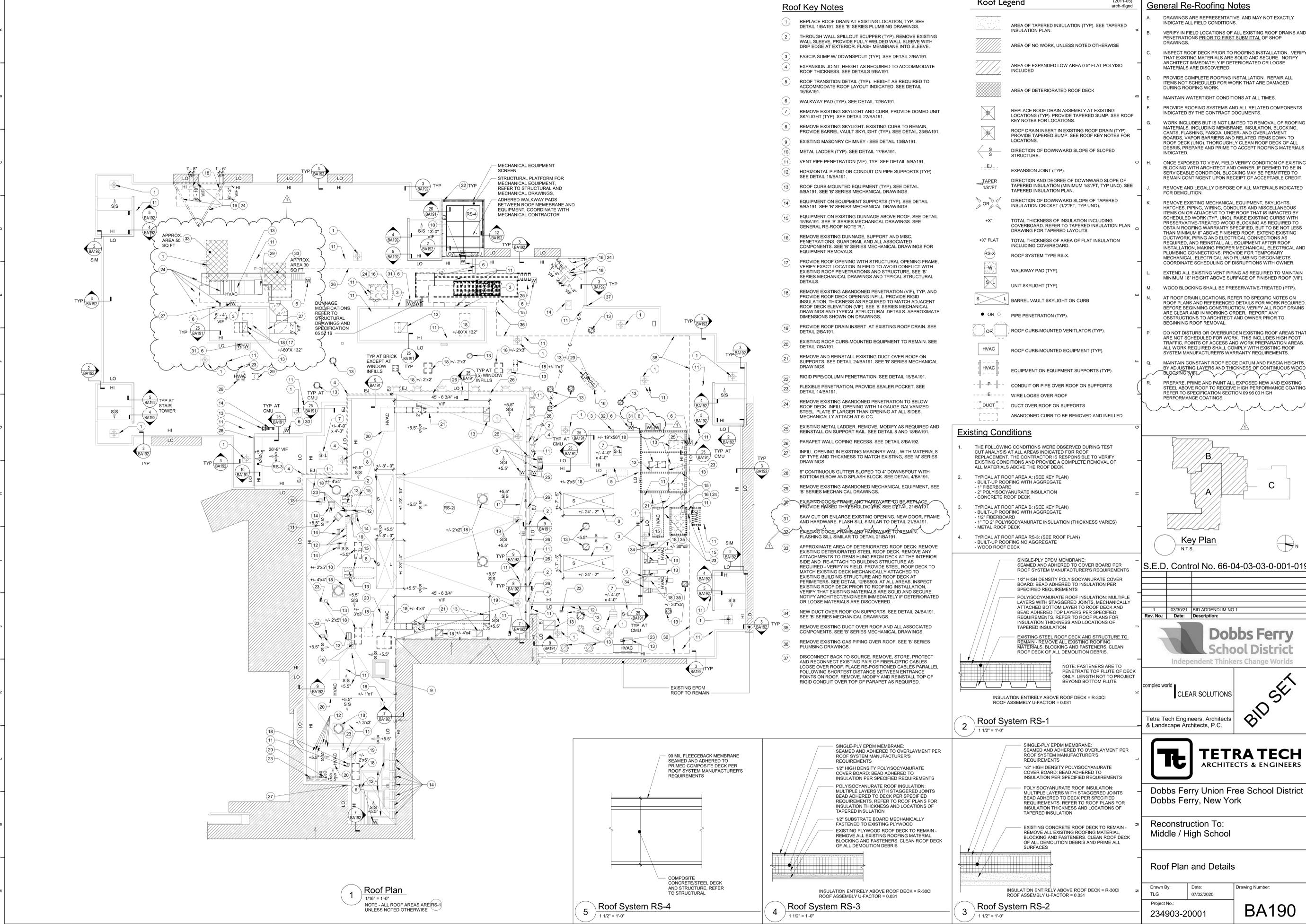


Dobbs Ferry Union Free School District  
Dobbs Ferry, New York

Reconstruction To:  
Middle / High School

Partial Third Floor Demolition and Floor Plans

Drawn By: Author	Date: 07/02/2020	Drawing Number:
Project No.: 234903-20001		<b>BA02B</b>



**Roof Key Notes**

- 1 REPLACE ROOF DRAIN AT EXISTING LOCATION. TYP. SEE DETAIL 1/BA191. SEE 'B' SERIES PLUMBING DRAWINGS.
- 2 THROUGH WALL SPILLOUT SCUPPER (TYP). REMOVE EXISTING WALL SLEEVE. PROVIDE FULLY WELDED WALL SLEEVE WITH DRIP EDGE AT EXTERIOR. FLASH MEMBRANE INTO SLEEVE.
- 3 FASCIA SUMP W/ DOWNSPOUT (TYP). SEE DETAIL 3/BA191.
- 4 EXPANSION JOINT. HEIGHT AS REQUIRED TO ACCOMMODATE ROOF THICKNESS. SEE DETAILS 9/BA191.
- 5 ROOF TRANSITION DETAIL (TYP). HEIGHT AS REQUIRED TO ACCOMMODATE ROOF LAYOUT INDICATED. SEE DETAIL 16/BA191.
- 6 WALKWAY PAD (TYP). SEE DETAIL 12/BA191.
- 7 REMOVE EXISTING SKYLIGHT AND CURB. PROVIDE DOMED UNIT SKYLIGHT (TYP). SEE DETAIL 22/BA191.
- 8 REMOVE EXISTING SKYLIGHT. EXISTING CURB TO REMAIN. PROVIDE BARREL VAULT SKYLIGHT (TYP). SEE DETAIL 23/BA191.
- 9 EXISTING MASONRY CHIMNEY - SEE DETAIL 13/BA191.
- 10 METAL LADDER (TYP). SEE DETAIL 17/BA191.
- 11 VENT PIPE PENETRATION (V/P). TYP. SEE DETAIL 5/BA191.
- 12 HORIZONTAL PIPING OR CONDUIT ON PIPE SUPPORTS (TYP). SEE DETAIL 19/BA191.
- 13 ROOF CURB-MOUNTED EQUIPMENT (TYP). SEE DETAIL 6/BA191. SEE 'B' SERIES MECHANICAL DRAWINGS.
- 14 EQUIPMENT ON EQUIPMENT SUPPORTS (TYP). SEE DETAIL 8/BA191. SEE 'B' SERIES MECHANICAL DRAWINGS.
- 15 EQUIPMENT ON EXISTING DUNNAGE ABOVE ROOF. SEE DETAIL 15/BA191. SEE 'B' SERIES MECHANICAL DRAWINGS. SEE GENERAL RE-ROOF NOTE 'R'.
- 16 REMOVE EXISTING DUNNAGE, SUPPORT AND MISC. PENETRATIONS, GUARDRAIL AND ALL ASSOCIATED COMPONENTS. SEE 'B' SERIES MECHANICAL DRAWINGS FOR EQUIPMENT REMOVALS.
- 17 PROVIDE ROOF OPENING WITH STRUCTURAL OPENING FRAME. VERIFY EXACT LOCATION IN FIELD TO AVOID CONFLICT WITH EXISTING ROOF PENETRATIONS AND STRUCTURE. SEE 'B' SERIES MECHANICAL DRAWINGS AND TYPICAL STRUCTURAL DETAILS. APPROXIMATE DIMENSIONS SHOWN ON DRAWINGS.
- 18 REMOVE EXISTING ABANDONED PENETRATION (V/P). TYP. AND PROVIDE ROOF DECK OPENING INFILL. PROVIDE RIGID INSULATION, THICKNESS AS REQUIRED TO MATCH ADJACENT ROOF DECK ELEVATION (V/P). SEE 'B' SERIES MECHANICAL DRAWINGS AND TYPICAL STRUCTURAL DETAILS. APPROXIMATE DIMENSIONS SHOWN ON DRAWINGS.
- 19 PROVIDE ROOF DRAIN INSERT AT EXISTING ROOF DRAIN. SEE DETAIL 2/BA191.
- 20 EXISTING ROOF CURB-MOUNTED EQUIPMENT TO REMAIN. SEE DETAIL 7/BA191.
- 21 REMOVE AND REINSTALL EXISTING DUCT OVER ROOF ON SUPPORTS. SEE DETAIL 24/BA191. SEE 'B' SERIES MECHANICAL DRAWINGS.
- 22 RIGID PIPE/COLUMN PENETRATION. SEE DETAIL 15/BA191.
- 23 FLEXIBLE PENETRATION, PROVIDE SEALER POCKET. SEE DETAIL 14/BA191.
- 24 REMOVE EXISTING ABANDONED PENETRATION TO BELOW ROOF DECK. INFILL OPENING WITH 14 GAUGE GALVANIZED STEEL PLATE 6" LARGER THAN OPENING AT ALL SIDES. MECHANICALLY ATTACH AT 6" OC.
- 25 EXISTING METAL LADDER. REMOVE. MODIFY AS REQUIRED AND REINSTALL ON SUPPORT RAIL. SEE DETAIL 8 AND 18/BA191.
- 26 PARAPET WALL COPING RECESS. SEE DETAIL 8/BA191.
- 27 INFILL OPENING IN EXISTING MASONRY WALL WITH MATERIALS OF TYPE AND THICKNESS TO MATCH EXISTING. SEE 'M' SERIES DRAWINGS.
- 28 6" CONTINUOUS GUTTER SLOPED TO 4" DOWNSPOUT WITH BOTTOM ELBOW AND SPLASH BLOCK. SEE DETAIL 4/BA191.
- 29 REMOVE EXISTING ABANDONED MECHANICAL EQUIPMENT. SEE 'B' SERIES MECHANICAL DRAWINGS.
- 30 EXISTING DOOR FRAME AND HARDWARE TO BE REPLACED. PROVIDE RAISED THRESHOLD COPING. SEE DETAIL 21/BA191.
- 31 SAW CUT OR ENLARGE EXISTING OPENING. NEW DOOR FRAME AND HARDWARE. FLASH SILL SIMILAR TO DETAIL 21/BA191.
- 32 EXISTING DOOR FRAME AND HARDWARE TO REMAIN. FLASHING SILL SIMILAR TO DETAIL 21/BA191.
- 33 APPROXIMATE AREA OF DETERIORATED ROOF DECK. REMOVE EXISTING DETERIORATED STEEL ROOF DECK. REMOVE ANY ATTACHMENTS TO ITEMS HUNG FROM DECK AT THE INTERIOR SIDE AND RE-ATTACH TO BUILDING STRUCTURE AS REQUIRED - VERIFY IN FIELD. PROVIDE STEEL ROOF DECK TO MATCH EXISTING DECK MECHANICALLY ATTACHED TO EXISTING BUILDING STRUCTURE AND ROOF DECK AT PERIMETERS. SEE DETAIL 12/RS000. AT ALL AREAS, INSPECT EXISTING ROOF DECK PRIOR TO ROOFING INSTALLATION. VERIFY THAT EXISTING MATERIALS ARE SOLID AND SECURE. NOTIFY ARCHITECT/ENGINEER IMMEDIATELY IF DETERIORATED OR LOOSE MATERIALS ARE DISCOVERED.
- 34 NEW DUCT OVER ROOF ON SUPPORTS. SEE DETAIL 24/BA191. SEE 'B' SERIES MECHANICAL DRAWINGS.
- 35 REMOVE EXISTING DUCT OVER ROOF AND ALL ASSOCIATED COMPONENTS. SEE 'B' SERIES MECHANICAL DRAWINGS.
- 36 REMOVE EXISTING GAS PIPING OVER ROOF. SEE 'B' SERIES PLUMBING DRAWINGS.
- 37 DISCONNECT BACK TO SOURCE. REMOVE, STORE, PROTECT AND RECONNECT EXISTING PAIR OF FIBER-OPTIC CABLES LOOSE OVER ROOF. PLACE RE-POSITIONED CABLES PARALLEL FOLLOWING SHORTEST DISTANCE BETWEEN ENTRANCE POINTS ON ROOF. REMOVE, MODIFY AND REINSTALL TOP OF RIGID CONDUIT OVER TOP OF PARAPET AS REQUIRED.

**Roof Legend**

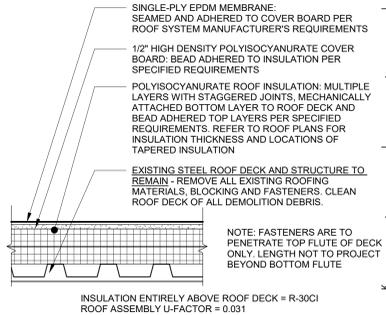
- AREA OF TAPERED INSULATION (TYP). SEE TAPERED INSULATION PLAN.
- AREA OF NO WORK, UNLESS NOTED OTHERWISE
- AREA OF EXPANDED LOW AREA 0.5" FLAT POLYISO INCLUDED
- AREA OF DETERIORATED ROOF DECK
- REPLACE ROOF DRAIN ASSEMBLY AT EXISTING LOCATIONS (TYP). PROVIDE TAPERED SUMP. SEE ROOF KEY NOTES FOR LOCATIONS.
- ROOF DRAIN INSERT IN EXISTING ROOF DRAIN (TYP). PROVIDE TAPERED SUMP. SEE ROOF KEY NOTES FOR LOCATIONS.
- DIRECTION OF DOWNWARD SLOPE OF SLOPED STRUCTURE
- EXPANSION JOINT (TYP)
- DIRECTION AND DEGREE OF DOWNWARD SLOPE OF TAPERED INSULATION (MINIMUM 1/8" FT. SLOPE). SEE TAPERED INSULATION PLAN.
- DIRECTION OF DOWNWARD SLOPE OF TAPERED INSULATION CRICKET (1/2" FT. TYP UNO).
- TOTAL THICKNESS OF INSULATION INCLUDING COVERBOARD. REFER TO TAPERED INSULATION PLAN DRAWING FOR TAPERED LAYOUTS
- TOTAL THICKNESS OF AREA OF FLAT INSULATION INCLUDING COVERBOARD.
- ROOF SYSTEM TYPE RS-X.
- WALKWAY PAD (TYP).
- UNIT SKYLIGHT (TYP).
- PIPE PENETRATION (TYP).
- ROOF CURB-MOUNTED VENTILATOR (TYP).
- ROOF CURB-MOUNTED EQUIPMENT (TYP).
- EQUIPMENT ON EQUIPMENT SUPPORTS (TYP).
- CONDUIT OR PIPE OVER ROOF ON SUPPORTS
- WIRE LOOSE OVER ROOF
- DUCT OVER ROOF ON SUPPORTS
- ABANDONED CURB TO BE REMOVED AND INFILLED

**General Re-Roofing Notes**

- A. DRAWINGS ARE REPRESENTATIVE, AND MAY NOT EXACTLY INDICATE ALL FIELD CONDITIONS.
- B. VERIFY IN FIELD LOCATIONS OF ALL EXISTING ROOF DRAINS AND PENETRATIONS PRIOR TO FIRST SUBMITTAL OF SHOP DRAWINGS.
- C. INSPECT ROOF DECK PRIOR TO ROOFING INSTALLATION. VERIFY THAT EXISTING MATERIALS ARE SOLID AND SECURE. NOTIFY ARCHITECT IMMEDIATELY IF DETERIORATED OR LOOSE MATERIALS ARE DISCOVERED.
- D. PROVIDE COMPLETE ROOFING INSTALLATION. REPAIR ALL ITEMS NOT SCHEDULED FOR WORK THAT ARE DAMAGED DURING ROOFING WORK.
- E. MAINTAIN WATERTIGHT CONDITIONS AT ALL TIMES.
- F. PROVIDE ROOFING SYSTEMS AND ALL RELATED COMPONENTS INDICATED BY THE CONTRACT DOCUMENTS.
- G. WORK INCLUDES BUT IS NOT LIMITED TO REMOVAL OF ROOFING MATERIALS, INCLUDING MEMBRANE, INSULATION, BLOCKING, CANTS, FLASHING, FASCIA, UNDER-AND-OVERLAYMENT BOARDS, VAPOR BARRIERS AND RELATED ITEMS DOWN TO ROOF DECK (UNO), THOROUGHLY CLEAN ROOF DECK OF ALL DEBRIS, PREPARE AND PRIME TO ACCEPT ROOFING MATERIALS INDICATED.
- H. ONCE EXPOSED TO VIEW, FIELD VERIFY CONDITION OF EXISTING BLOCKING WITH ARCHITECT AND OWNER. IF DEEMED TO BE IN SERVICEABLE CONDITION, BLOCKING MAY BE PERMITTED TO REMAIN CONTINGENT UPON RECEIPT OF ACCEPTABLE CREDIT.
- J. REMOVE AND LEGALLY DISPOSE OF ALL MATERIALS INDICATED FOR DEMOLITION.
- K. REMOVE EXISTING MECHANICAL EQUIPMENT, SKYLIGHTS, HATCHES, PIPING, WIRING, CONDUITS AND MISCELLANEOUS ITEMS ON OR ADJACENT TO THE ROOF THAT IS IMPACTED BY SCHEDULED WORK (TYP. UNO), RAISE EXISTING CURBS WITH PRESERVATIVE-TREATED WOOD BLOCKING AS REQUIRED TO OBTAIN RISE AND PROVIDE A COMPLETE REMOVAL OF ROOF INSTALLATION, MAKING PROPER MECHANICAL, ELECTRICAL AND PLUMBING CONNECTIONS. PROVIDE FOR TEMPORARY MECHANICAL, ELECTRICAL AND PLUMBING DISCONNECTS. COORDINATE SCHEDULING OF DISRUPTIONS WITH OWNER.
- L. EXTEND ALL EXISTING VENT PIPING AS REQUIRED TO MAINTAIN MINIMUM 18" HEIGHT ABOVE SURFACE OF FINISHED ROOF (V/P). WOOD BLOCKING SHALL BE PRESERVATIVE-TREATED (PTP).
- N. AT ROOF DRAIN LOCATIONS, REFER TO SPECIFIC NOTES ON ROOF PLANS AND REFERENCED DETAILS FOR WORK REQUIRED. BEFORE BEGINNING CONSTRUCTION, VERIFY ALL ROOF DRAINS ARE CLEAR AND IN WORKING ORDER. REPORT ANY OBSTRUCTIONS TO ARCHITECT AND OWNER PRIOR TO BEGINNING ROOF REMOVAL.
- P. DO NOT DISTURB OR OVERBURDEN EXISTING ROOF AREAS THAT ARE NOT SCHEDULED FOR WORK. THIS INCLUDES HIGH FOOT TRAFFIC, POINTS OF ACCESS AND WORK PREPARATION AREAS. ALL WORK REQUIRED SHALL COMPLY WITH EXISTING ROOF SYSTEM MANUFACTURER'S WARRANTY REQUIREMENTS.
- Q. MAINTAIN CONSTANT ROOF EDGE DATUM AND FASCIA HEIGHTS, BY ADJUSTING LAYERS AND THICKNESS OF CONTINUOUS WOOD BLOCKING (W/B).
- R. PREPARE, PRIME AND PAINT ALL EXPOSED NEW AND EXISTING STEEL ABOVE ROOF TO RECEIVE HIGH PERFORMANCE COATING. REFER TO SPECIFICATION SECTION 09 96 00 HIGH PERFORMANCE COATINGS.

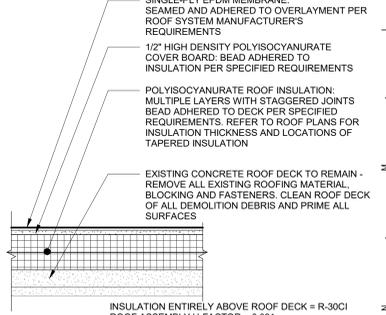
**Existing Conditions**

1. THE FOLLOWING CONDITIONS WERE OBSERVED DURING TEST CUT ANALYSIS AT ALL AREAS INDICATED FOR ROOF REPLACEMENT. THE CONTRACTOR IS RESPONSIBLE TO VERIFY EXISTING CONDITIONS AND PROVIDE A COMPLETE REMOVAL OF ALL MATERIALS ABOVE THE ROOF DECK.
2. TYPICAL AT ROOF AREA A: (SEE KEY PLAN)
  - BUILT-UP ROOFING WITH AGGREGATE
  - 1" FIBERBOARD
  - 2" POLYISOCYANURATE INSULATION
  - CONCRETE ROOF DECK
3. TYPICAL AT ROOF AREA B: (SEE KEY PLAN)
  - BUILT-UP ROOFING WITH AGGREGATE
  - 1/2" FIBERBOARD
  - 2" POLYISOCYANURATE INSULATION (THICKNESS VARIES)
  - METAL ROOF DECK
4. TYPICAL AT ROOF AREA RS-3: (SEE ROOF PLAN)
  - BUILT-UP ROOFING NO AGGREGATE
  - WOOD ROOF DECK



INSULATION ENTIRELY ABOVE ROOF DECK = R-30CI  
ROOF ASSEMBLY U-FACTOR = 0.031

**2 Roof System RS-1**  
1 1/2" = 1'-0"



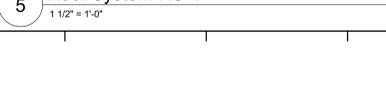
INSULATION ENTIRELY ABOVE ROOF DECK = R-30CI  
ROOF ASSEMBLY U-FACTOR = 0.031

**3 Roof System RS-2**  
1 1/2" = 1'-0"



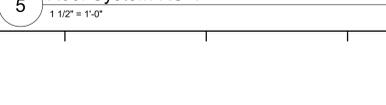
INSULATION ENTIRELY ABOVE ROOF DECK = R-30CI  
ROOF ASSEMBLY U-FACTOR = 0.031

**4 Roof System RS-3**  
1 1/2" = 1'-0"



INSULATION ENTIRELY ABOVE ROOF DECK = R-30CI  
ROOF ASSEMBLY U-FACTOR = 0.031

**5 Roof System RS-4**  
1 1/2" = 1'-0"



INSULATION ENTIRELY ABOVE ROOF DECK = R-30CI  
ROOF ASSEMBLY U-FACTOR = 0.031

**1 Roof Plan**  
1/16" = 1'-0"  
NOTE - ALL ROOF AREAS ARE RS-1 UNLESS NOTED OTHERWISE

**Key Plan**  
N.T.S.

S.E.D. Control No. 66-04-03-03-0-001-019

Rev. No.	Date	Description
1	03/30/21	BID ADDENDUM NO 1

**Dobbs Ferry School District**  
Independent Thinkers Change Worlds

complex world | CLEAR SOLUTIONS

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

**TETRA TECH ARCHITECTS & ENGINEERS**

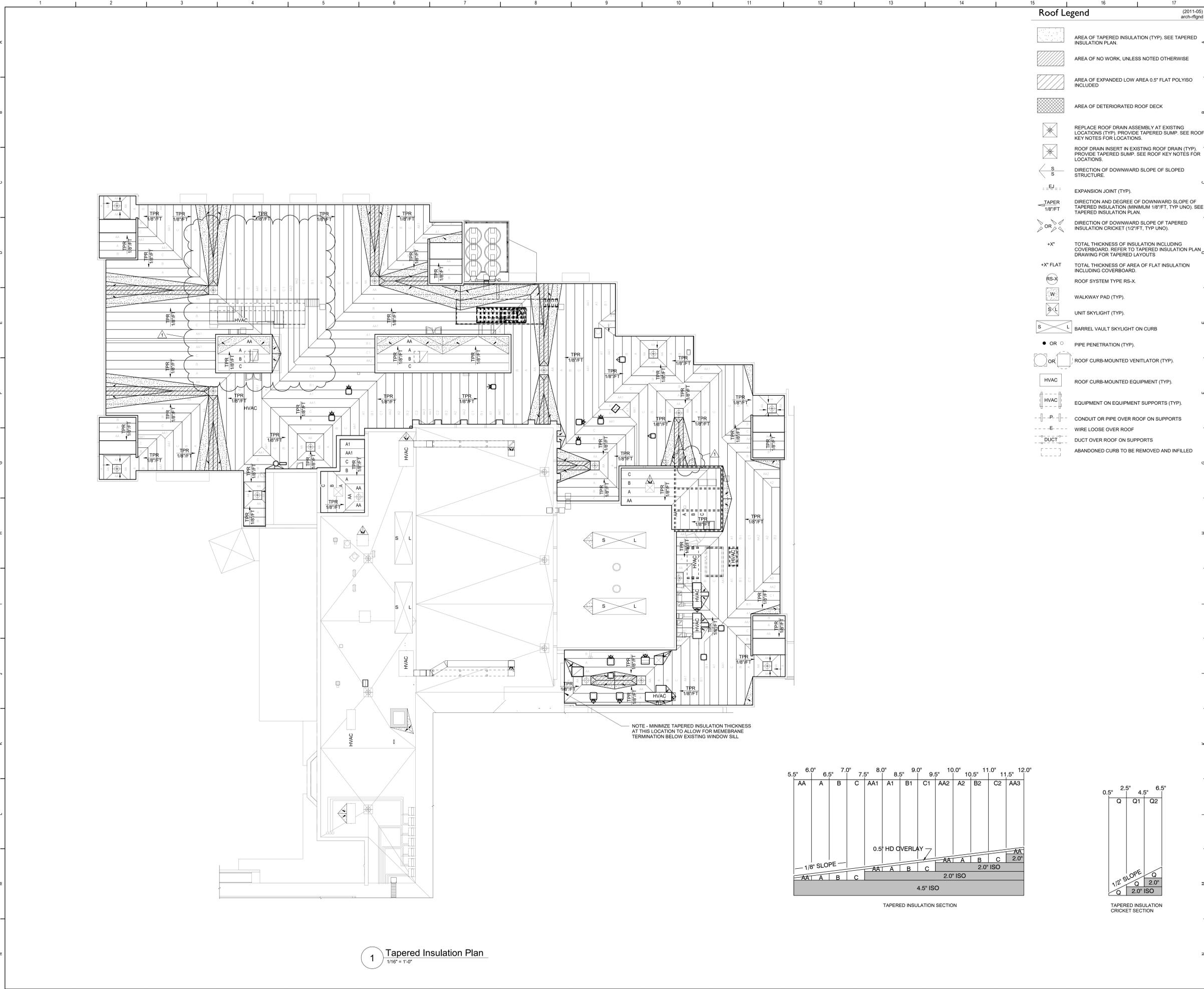
Dobbs Ferry Union Free School District  
Dobbs Ferry, New York

Reconstruction To:  
Middle / High School

Roof Plan and Details

Drawn By: TLG	Date: 07/02/2020	Drawing Number: BA190
Project No.: 234903-20001		

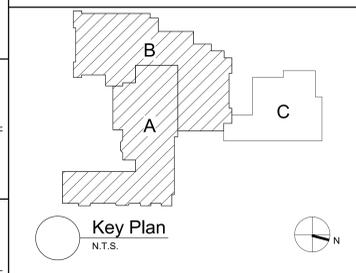
**BID SET**



**Roof Legend** (2011-05 arch-rflgnd)

	AREA OF TAPERED INSULATION (TYP). SEE TAPERED INSULATION PLAN.
	AREA OF NO WORK, UNLESS NOTED OTHERWISE
	AREA OF EXPANDED LOW AREA 0.5\"/>
	AREA OF DETERIORATED ROOF DECK
	REPLACE ROOF DRAIN ASSEMBLY AT EXISTING LOCATIONS (TYP). PROVIDE TAPERED SUMP. SEE ROOF KEY NOTES FOR LOCATIONS.
	ROOF DRAIN INSERT IN EXISTING ROOF DRAIN (TYP). PROVIDE TAPERED SUMP. SEE ROOF KEY NOTES FOR LOCATIONS.
	DIRECTION OF DOWNWARD SLOPE OF SLOPED STRUCTURE.
	EXPANSION JOINT (TYP).
	DIRECTION AND DEGREE OF DOWNWARD SLOPE OF TAPERED INSULATION (MINIMUM 1/8\"/>
	DIRECTION OF DOWNWARD SLOPE OF TAPERED INSULATION CRICKET (1/2\"/>
	TOTAL THICKNESS OF INSULATION INCLUDING COVERBOARD. REFER TO TAPERED INSULATION PLAN, DRAWING FOR TAPERED LAYOUTS.
	TOTAL THICKNESS OF AREA OF FLAT INSULATION INCLUDING COVERBOARD.
	ROOF SYSTEM TYPE RS-X.
	WALKWAY PAD (TYP).
	UNIT SKYLIGHT (TYP).
	BARREL VAULT SKYLIGHT ON CURB.
	PIPE PENETRATION (TYP).
	ROOF CURB-MOUNTED VENTILATOR (TYP).
	ROOF CURB-MOUNTED EQUIPMENT (TYP).
	EQUIPMENT ON EQUIPMENT SUPPORTS (TYP).
	CONDUIT OR PIPE OVER ROOF ON SUPPORTS.
	WIRE LOOSE OVER ROOF.
	DUCT OVER ROOF ON SUPPORTS.
	ABANDONED CURB TO BE REMOVED AND INFILLED.

- Tapered Insulation Notes**
- PROVIDE TAPERED CRICKETS AT ALL PENETRATIONS FOR CONTINUOUS DRAINAGE FLOW, TYP.
  - PROVIDE TAPERED FIBER EDGE STRIPS AT ALL TRANSITIONS.
  - PROVIDE TAPERED ROOF DRAIN SUMPS - SEE DETAILS 1 AND 2/BA193.



S.E.D. Control No. 66-04-03-03-0-001-019

1	03/30/21	BID ADDENDUM NO 1
Rev. No.:	Date:	Description:



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 Tetra Tech Engineers, Architects & Landscape Architects, P.C.



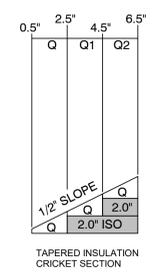
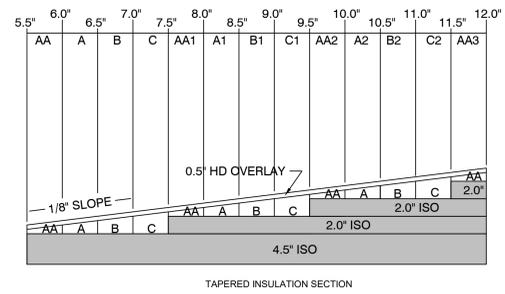
Dobbs Ferry Union Free School District  
 Dobbs Ferry, New York

Reconstruction To:  
 Middle / High School

Tapered Insulation Plan

Drawn By: TLG	Date: 07/02/2020	Drawing Number: BA193
Project No.:	234903-20001	

NOTE - MINIMIZE TAPERED INSULATION THICKNESS AT THIS LOCATION TO ALLOW FOR MEMBRANE TERMINATION BELOW EXISTING WINDOW SILL.



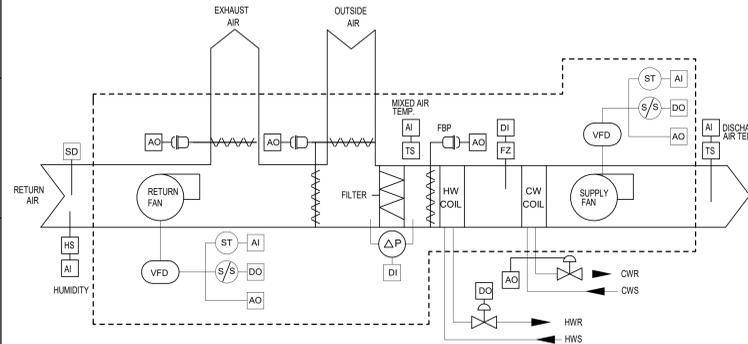
1 Tapered Insulation Plan  
 1/16" = 1'-0"

BID SET



**GENERAL NOTES:**

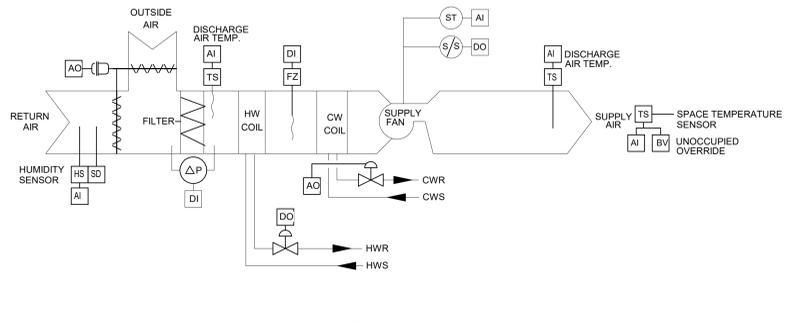
1. REFER TO BM050 FOR GENERAL NOTES.



**AIR HANDLING UNIT - HOT WATER/FACE & BYPASS AND CHILLED WATER VALVE CONTROL - SEQUENCE OF OPERATIONS:**

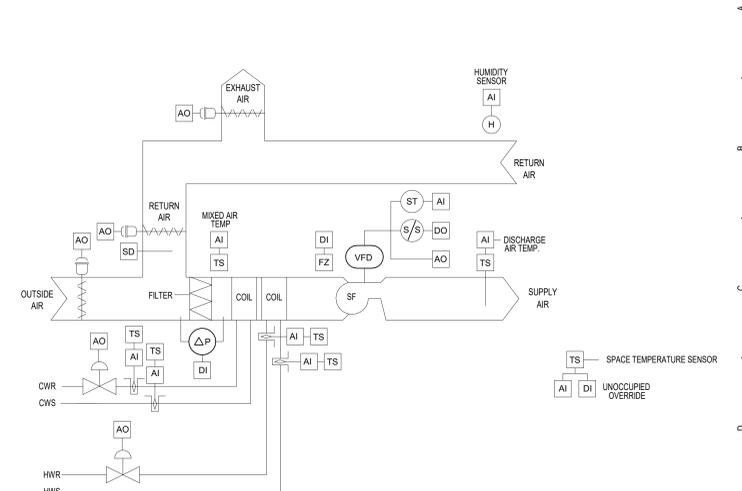
NOTE: ALL CONTROL DEVICES WITHIN DASHLINE BOUNDARY WILL BE FACTORY INSTALLED AND WIRED TO A CONTROL TERMINAL STRIP WITHIN THE UNIT FOR EXTENSION TO THE BUILDING AUTOMATION SYSTEM

- 1. OCCUPIED MODE:**
  - SUPPLY FAN AND ASSOCIATED RETURN FAN SHALL RUN CONTINUOUSLY.
  - THE OUTSIDE AIR DAMPER SHALL OPEN TO THE POSITION REQUIRED TO MAINTAIN THE MINIMUM OUTSIDE AIR QUANTITY INDICATED. OUTSIDE AIR DAMPER SHALL NEVER BE POSITIONED BELOW THIS MINIMUM POSITION EXCEPT IN CASE OF ALARM.
  - THE RETURN FAN VFD SHALL TRACK THE SUPPLY FAN VFD AT 80% (ADJ.) OF THE SUPPLY FAN VFD SPEED AND NEVER DROP BELOW 20%.
  - WHEN THE OUTSIDE AIR TEMPERATURE IS 50 DEG. F. OR LOWER, OPEN HOT WATER VALVE.
  - THE CONTROLLER SHALL MEASURE THE SUPPLY AIR TEMPERATURE AND MODULATE THE FACE AND BYPASS DAMPER TO MAINTAIN A SUPPLY TEMPERATURE SETPOINT OF 55 DEG. F. (ADJ.).
  - THE CONTROLLER SHALL MEASURE THE MIXED AIR TEMPERATURE AND MODULATE THE ECONOMIZER DAMPERS IN SEQUENCE TO MAINTAIN A SETPOINT 2 DEG. F. (ADJ.) LESS THAN THE SUPPLY AIR TEMPERATURE SETPOINT. THE OUTSIDE AIR DAMPER SHALL NEVER BELOW THE MINIMUM OUTSIDE AIR SETPOINT.
  - AS THE MIXED AIR TEMPERATURE CONTINUES TO RISE AND THE OUTSIDE AIR CAN NO LONGER PROVIDE ECONOMIZER COOLING, RETURN THE OUTSIDE AND RETURN AIR DAMPERS TO MINIMUM POSITION AND OPEN THE CHILLED WATER CONTROL VALVE TO MAINTAIN THE SUPPLY AIR TEMPERATURE SETPOINT.
- 2. UNOCCUPIED MODE:**
  - SUPPLY FAN AND ASSOCIATED EXHAUST FAN SHALL BE OFF.
  - THE OUTSIDE AIR DAMPER AND ASSOCIATED RELIEF HOOD DAMPER SHALL BE FULLY CLOSED.
  - WHERE SPACE HAS FINNED TUBE RADIATION, RADIATION SHALL PROVIDE FIRST STAGE UNOCCUPIED HEATING.
  - ON DROP IN SPACE TEMPERATURE BELOW THE UNOCCUPIED SETPOINT, CYCLE THE FAN ON AND MODULATE THE RESPECTIVE ZONE HEATING COIL CONTROL VALVE AS REQUIRED TO MAINTAIN REDUCED SPACE TEMPERATURE SETPOINT. USE 5 DEG. F. (ADJUSTABLE) DEADBAND AS REQUIRED TO MINIMIZE SHORT CYCLING.
  - A TIMED LOCAL OVERRIDE CONTROL SHALL ALLOW AN OCCUPANT TO OVERRIDE THE SCHEDULE AND PLACE THE UNIT INTO OCCUPIED MODE FOR 1 HOUR (ADJUSTABLE). AT EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.
- 3. WARM-UP MODE:**
  - THE UNIT SHALL START PER AN OPTIMUM START PROGRAM.
  - THE OUTSIDE AIR DAMPER AND ASSOCIATED RELIEF HOOD DAMPER SHALL BE FULLY CLOSED AND THE ASSOCIATED EXHAUST FAN SHALL BE OFF.
  - THE SUPPLY FAN SHALL RUN AND THE FACE AND BYPASS SHALL MODULATE TO MAINTAIN DISCHARGE AIR SETPOINT.
- 4. SAFETIES**
  - A SEPARATE LOW LIMIT FREEZE STAT WITH AUTOMATIC RESET SHALL BE INSTALLED WITH SENSING ELEMENT SERPENTINED ACROSS THE FACE OF THE COIL. WHENEVER COIL FREEZE-UP CONDITIONS ARISE (36 DEG. F. ADJUSTABLE) THE SUPPLY FAN SHALL STOP, THE OUTSIDE AIR DAMPER SHALL CLOSE 100%, AND FACE AND BYPASS DAMPER SHALL OPEN TO 100% FACE POSITION. AN ALARM SHALL ALSO BE ACTIVATED.
  - FIRE ALARM SHUTDOWN



**AIR HANDLING UNIT - HOT WATER AND CHILLED WATER VALVE CONTROL - SEQUENCE OF OPERATIONS:**

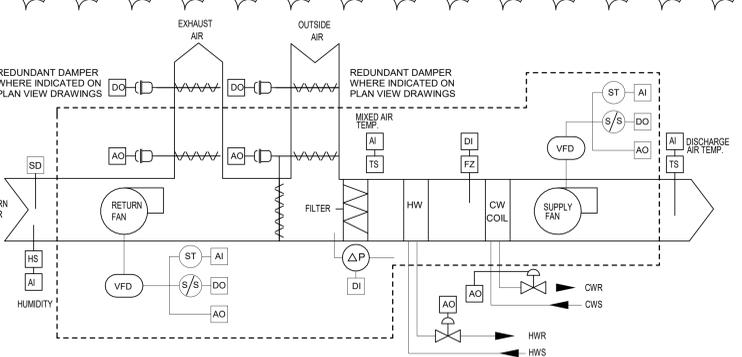
- 1. OCCUPIED MODE:**
  - SUPPLY FAN AND ASSOCIATED EXHAUST FAN SHALL RUN CONTINUOUSLY.
  - THE OUTSIDE AIR DAMPER SHALL OPEN TO THE POSITION REQUIRED TO MAINTAIN THE MINIMUM OUTSIDE AIR QUANTITY INDICATED. OUTSIDE AIR DAMPER SHALL NEVER BE POSITIONED BELOW THIS MINIMUM POSITION EXCEPT IN CASE OF ALARM.
  - WHEN THE OUTSIDE AIR TEMPERATURE IS 50 DEG. F. (ADJ.), OPEN HEATING HOT WATER 2-WAY VALVE TO ALLOW WATER FLOW THROUGH THE HEATING COIL.
  - WHEN THE SPACE TEMPERATURE IS AT OR BELOW THE DISCHARGE AIR TEMPERATURE SETPOINT, MODULATE THE FACE AND BYPASS DAMPER TO MAINTAIN SETPOINT SUBJECT TO DISCHARGE HIGH LIMIT OF 70 DEG. F. (ADJUSTABLE) AND DISCHARGE LOW LIMIT OF 50 DEG. F. (ADJUSTABLE).
  - WHEN THE SPACE TEMPERATURE RISES 3 DEG. F. (ADJUSTABLE) ABOVE THE SPACE HEATING SETPOINT, AND THE OUTSIDE AIR TEMPERATURE IS LOWER THAN THE SPACE TEMPERATURE, THE OUTSIDE AIR DAMPER SHALL MODULATE OPEN AND THE ASSOCIATED RELIEF HOOD DAMPER SHALL OPEN TO MAINTAIN THE OCCUPIED SETPOINT. THIS SHALL BE DONE SUBJECT TO DISCHARGE LOW LIMIT OF 55 DEG. F. (ADJUSTABLE), AND WITH THE HEATING VALVE FULLY CLOSED.
  - WHEN THE SPACE TEMPERATURE IS ABOVE THE COOLING SETPOINT, AND THE OUTSIDE AIR CANNOT COOL THE SPACE, THE RESPECTIVE COOLING VALVE SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE WITH THE HEATING VALVE FULLY CLOSED. USE 5 DEG. F. (ADJUSTABLE) DEADBAND BETWEEN HEATING AND COOLING SETPOINTS.
- 2. UNOCCUPIED MODE:**
  - SUPPLY FAN AND ASSOCIATED EXHAUST FAN SHALL BE OFF.
  - THE OUTSIDE AIR DAMPER AND ASSOCIATED RELIEF HOOD DAMPER SHALL BE FULLY CLOSED.
  - WHERE SPACE HAS FINNED TUBE RADIATION, RADIATION SHALL PROVIDE FIRST STAGE UNOCCUPIED HEATING.
  - ON DROP IN SPACE TEMPERATURE BELOW THE UNOCCUPIED SETPOINT, CYCLE THE FAN ON AND COIL CONTROL VALVE FULL OPEN AS REQUIRED TO MAINTAIN REDUCED SPACE TEMPERATURE. USE 5 DEG. F. (ADJUSTABLE) DEADBAND AS REQUIRED TO MINIMIZE SHORT CYCLING.
  - A TIMED LOCAL OVERRIDE CONTROL SHALL ALLOW AN OCCUPANT TO OVERRIDE THE SCHEDULE AND PLACE THE UNIT INTO OCCUPIED MODE FOR 1 HOUR (ADJUSTABLE). AT EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.
- 3. WARM-UP MODE:**
  - THE UNIT SHALL START PER AN OPTIMUM START PROGRAM.
  - THE OUTSIDE AIR DAMPER AND ASSOCIATED RELIEF HOOD DAMPER SHALL BE FULLY CLOSED AND THE ASSOCIATED EXHAUST FAN SHALL BE OFF.
  - THE SUPPLY FAN SHALL RUN AND THE CONTROL VALVE SHALL MODULATE TO MAINTAIN OCCUPIED SETPOINT.
- 4. SAFETIES**
  - A SEPARATE LOW LIMIT FREEZE STAT WITH AUTOMATIC RESET SHALL BE INSTALLED WITH SENSING ELEMENT SERPENTINED ACROSS THE FACE OF THE COIL. WHENEVER COIL FREEZE-UP CONDITIONS ARISE (36 DEG. F. ADJUSTABLE) THE SUPPLY FAN SHALL STOP, THE OUTSIDE AIR DAMPER SHALL CLOSE 100%, AND CONTROL VALVE SHALL OPEN 100%. AN ALARM SHALL ALSO BE ACTIVATED.
  - FIRE ALARM SHUTDOWN



**AUDITORIUM AIR HANDLING UNIT - SEQUENCE OF OPERATIONS:**

- 1. OCCUPIED MODE:**
  - SUPPLY FAN SHALL RUN CONTINUOUSLY AT THE FREQUENCIES DETERMINED BY THE BALANCING CONTRACTOR.
  - THE OUTSIDE AIR AND RETURN AIR DAMPERS SHALL OPEN TO THE POSITION REQUIRED TO MAINTAIN THE MINIMUM OUTSIDE AIR QUANTITY INDICATED. OUTSIDE AIR DAMPER SHALL NEVER BE POSITIONED BELOW THIS MINIMUM POSITION EXCEPT IN CASE OF ALARM.
  - WHEN THE SPACE TEMPERATURE IS AT OR BELOW THE HEATING SETPOINT, THE HEATING CONTROL VALVE SHALL MODULATE TO MAINTAIN SPACE HEATING SETPOINT SUBJECT TO DISCHARGE HIGH LIMIT OF 110 DEG. F. (ADJUSTABLE) AND DISCHARGE LOW LIMIT OF 70 DEG. F. (ADJUSTABLE).
  - WHEN THE SPACE TEMPERATURE RISES 3 DEG. F. (ADJUSTABLE) ABOVE THE SPACE HEATING SETPOINT, AND THE OUTSIDE AIR ENTHALPY IS LOWER THAN THE SPACE ENTHALPY, THE OUTSIDE AIR AND EXHAUST AIR DAMPERS SHALL MODULATE OPEN AND THE RETURN DAMPER SHALL MODULATE CLOSED TO MAINTAIN THE SPACE SETPOINT. THIS SHALL BE DONE SUBJECT TO LOW LIMIT OF 55 DEG. F. (ADJUSTABLE) AND WITH THE HEATING VALVE FULLY CLOSED.
  - WHEN THE SPACE TEMPERATURE IS 3 DEG. F. (ADJUSTABLE) ABOVE THE COOLING SETPOINT, AND THE OUTSIDE AIR CANNOT COOL THE SPACE, THE COOLING CONTROL VALVE SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE WITH THE HEATING VALVE FULLY CLOSED. USE 5 DEG. F. (ADJUSTABLE) DEADBAND BETWEEN HEATING AND COOLING SETPOINTS.
- 2. UNOCCUPIED MODE:**
  - THE SUPPLY FAN SHALL BE OFF.
  - THE OUTSIDE AIR DAMPER AND EXHAUST AIR DAMPER SHALL BE FULLY CLOSED, AND THE RETURN AIR DAMPER SHALL BE FULLY OPEN.
  - WHERE SPACE HAS FINNED TUBE RADIATION, RADIATION SHALL PROVIDE FIRST STAGE UNOCCUPIED HEATING.
  - IF THE FINNED TUBE CANNOT MAINTAIN SPACE TEMPERATURE SETPOINT, CYCLE THE SUPPLY FAN ON AND MODULATE THE HEATING COIL CONTROL VALVE AS REQUIRED TO MAINTAIN REDUCED SPACE TEMPERATURE. USE 5 DEG. F. (ADJUSTABLE) DEADBAND TO MINIMIZE SHORT CYCLING.
  - WHEN THE SPACE TEMPERATURE RISES ABOVE THE UNOCCUPIED ECONOMIZER COOLING SETPOINT, ALLOW ECONOMIZER COOLING WITH THE COOLING AND HEATING VALVE CLOSED 100%.
  - A TIMED LOCAL OVERRIDE CONTROL SHALL ALLOW AN OCCUPANT TO OVERRIDE THE SCHEDULE AND PLACE THE UNIT INTO OCCUPIED MODE FOR 1 HOUR (ADJUSTABLE). AT EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.
- 3. WARM-UP MODE:**
  - THE UNIT SHALL START PER AN OPTIMUM START PROGRAM.
  - THE OUTSIDE AIR DAMPER AND EXHAUST AIR DAMPER SHALL BE FULLY CLOSED, AND THE RETURN AIR DAMPER SHALL BE FULLY OPEN.
  - THE SUPPLY FAN SHALL RUN AND THE HEATING CONTROL VALVE SHALL MODULATE TO MAINTAIN OCCUPIED SETPOINT.
- 4. SAFETIES:**
  - DIFFERENTIAL PRESSURE ACROSS THE AIR FILTERS SHALL GENERATE AN ALARM WHENEVER THE DIFFERENTIAL PRESSURE EXCEEDS ITS ADJUSTABLE SETPOINT.
  - A SEPARATE LOW LIMIT FREEZE STAT WITH AUTOMATIC RESET SHALL BE INSTALLED WITH SENSING ELEMENT SERPENTINED ACROSS THE FACE OF THE COIL. WHENEVER FREEZE-UP CONDITIONS ARISE (36 DEG. F. ADJUSTABLE) THE SUPPLY FAN SHALL STOP, THE OUTSIDE AIR AND EXHAUST AIR DAMPERS SHALL CLOSE 100%, THE HEATING CONTROL VALVE SHALL OPEN 100% AND AN ALARM SHALL BE ACTIVATED.
  - FIRE ALARM SHUTDOWN

**5 Air Handling Unit - With Supply Air Temperature Control (AHU-1HS)**

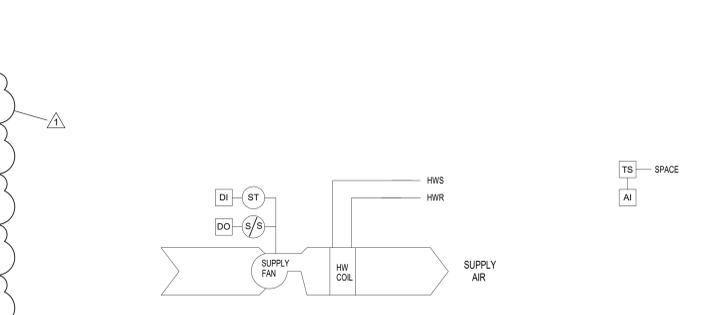


**AIR HANDLING UNIT - HOT WATER/FACE & BYPASS AND CHILLED WATER VALVE CONTROL - SEQUENCE OF OPERATIONS:**

NOTE: ALL CONTROL DEVICES WITHIN DASHLINE BOUNDARY WILL BE FACTORY INSTALLED AND WIRED TO A CONTROL TERMINAL STRIP WITHIN THE UNIT FOR EXTENSION TO THE BUILDING AUTOMATION SYSTEM

- 1. OCCUPIED MODE:**
  - SUPPLY FAN AND ASSOCIATED RETURN FAN SHALL RUN CONTINUOUSLY.
  - THE OUTSIDE AIR DAMPER SHALL OPEN TO THE POSITION REQUIRED TO MAINTAIN THE MINIMUM OUTSIDE AIR QUANTITY INDICATED. OUTSIDE AIR DAMPER SHALL NEVER BE POSITIONED BELOW THIS MINIMUM POSITION EXCEPT IN CASE OF ALARM.
  - THE RETURN FAN VFD SHALL TRACK THE SUPPLY FAN VFD AT 80% (ADJ.) OF THE SUPPLY FAN VFD SPEED AND NEVER DROP BELOW 20%.
  - WHEN THE OUTSIDE AIR TEMPERATURE IS 50 DEG. F. OR LOWER, OPEN HOT WATER VALVE.
  - THE CONTROLLER SHALL MEASURE THE SUPPLY AIR TEMPERATURE AND MODULATE THE 2-WAY HW CONTROL VALVE TO MAINTAIN A SUPPLY TEMPERATURE SETPOINT OF 55 DEG. F. (ADJ.).
  - THE CONTROLLER SHALL MEASURE THE MIXED AIR TEMPERATURE AND MODULATE THE ECONOMIZER DAMPERS IN SEQUENCE TO MAINTAIN A SETPOINT 2 DEG. F. (ADJ.) LESS THAN THE SUPPLY AIR TEMPERATURE SETPOINT. THE OUTSIDE AIR DAMPER SHALL NEVER BELOW THE MINIMUM OUTSIDE AIR SETPOINT.
  - AS THE MIXED AIR TEMPERATURE CONTINUES TO RISE AND THE OUTSIDE AIR CAN NO LONGER PROVIDE ECONOMIZER COOLING, RETURN THE OUTSIDE AND RETURN AIR DAMPERS TO MINIMUM POSITION AND OPEN THE CHILLED WATER CONTROL VALVE TO MAINTAIN THE SUPPLY AIR TEMPERATURE SETPOINT.
- 2. UNOCCUPIED MODE:**
  - SUPPLY FAN AND ASSOCIATED EXHAUST FAN SHALL BE OFF.
  - THE OUTSIDE AIR DAMPER AND ASSOCIATED RELIEF HOOD DAMPER SHALL BE FULLY CLOSED.
  - WHERE SPACE HAS FINNED TUBE RADIATION, RADIATION SHALL PROVIDE FIRST STAGE UNOCCUPIED HEATING.
  - ON DROP IN SPACE TEMPERATURE BELOW THE UNOCCUPIED SETPOINT, CYCLE THE FAN ON AND MODULATE THE RESPECTIVE ZONE HEATING COIL CONTROL VALVE AS REQUIRED TO MAINTAIN REDUCED SPACE TEMPERATURE SETPOINT. USE 5 DEG. F. (ADJUSTABLE) DEADBAND AS REQUIRED TO MINIMIZE SHORT CYCLING.
  - A TIMED LOCAL OVERRIDE CONTROL SHALL ALLOW AN OCCUPANT TO OVERRIDE THE SCHEDULE AND PLACE THE UNIT INTO OCCUPIED MODE FOR 1 HOUR (ADJUSTABLE). AT EXPIRATION OF THIS TIME, CONTROL OF THE UNIT SHALL AUTOMATICALLY RETURN TO THE SCHEDULE.
- 3. WARM-UP MODE:**
  - THE UNIT SHALL START PER AN OPTIMUM START PROGRAM.
  - THE OUTSIDE AIR DAMPER AND ASSOCIATED RELIEF HOOD DAMPER SHALL BE FULLY CLOSED AND THE ASSOCIATED EXHAUST FAN SHALL BE OFF.
  - THE SUPPLY FAN SHALL RUN AND THE FACE AND BYPASS SHALL MODULATE TO MAINTAIN DISCHARGE AIR SETPOINT.
- 4. SAFETIES**
  - A SEPARATE LOW LIMIT FREEZE STAT WITH AUTOMATIC RESET SHALL BE INSTALLED WITH SENSING ELEMENT SERPENTINED ACROSS THE FACE OF THE COIL. WHENEVER COIL FREEZE-UP CONDITIONS ARISE (36 DEG. F. ADJUSTABLE) THE SUPPLY FAN SHALL STOP, THE OUTSIDE AIR DAMPER SHALL CLOSE 100%, AND FACE AND BYPASS DAMPER SHALL OPEN TO 100% FACE POSITION. AN ALARM SHALL ALSO BE ACTIVATED.
  - FIRE ALARM SHUTDOWN

**3 Air Handling Unit - Chilled, Hot Water Valve Control (AHU-12,13,15,17,18HS)**

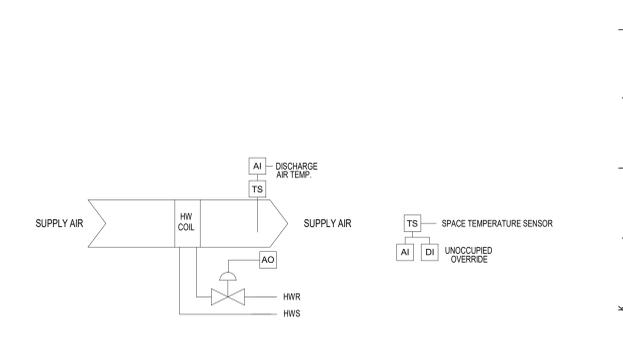


**UNIT HEATER - HOT WATER - SEQUENCE OF OPERATIONS:**

- 1. HEATING MODE:**
  - UPON A CALL FOR HEAT, AND THE BUILDING SUPPLY WATER TEMPERATURE IS ABOVE 100 DEG. F. (ADJUSTABLE) CYCLE THE SUPPLY FAN TO MAINTAIN HEATING SETPOINT OF 65 DEG. F. (ADJ.).
- 2. SAFETIES:**
  - PROVIDE CURRENT SENSOR TO SENSE THE STATUS OF THE FAN. WHEN FAN MOTOR AMP DRAW IS OUT OF NORMAL RANGE, GENERATE AN ALARM AT THE OWS.
  - PROVIDE A LOW SPACE TEMPERATURE ALARM INPUT IF THE SPACE TEMPERATURE IS BELOW SETPOINT FOR 10 MINUTES (ADJ.) AFTER A CALL FOR HEAT.

**4 Hot Water Unit Heater Control Sequence**

**1 Auditorium Air Handling Unit Control**



**DUCT MOUNTED HEATING COIL - HOT WATER - SEQUENCE OF OPERATIONS:**

- 1. HEATING MODE:**
  - WHEN THE SPACE TEMPERATURE IS AT OR BELOW THE HEATING SETPOINT AND THE RELATED FAN SYSTEM HAS BEEN ENABLED, THE 2-WAY CONTROL VALVE SHALL MODULATE TO MAINTAIN SPACE HEATING SETPOINT SUBJECT TO DISCHARGE HIGH LIMIT OF 110 DEG. F. (ADJUSTABLE) AND DISCHARGE LOW LIMIT OF 70 DEG. F. IN HEATING MODE (ADJUSTABLE).
  - WHERE REHEAT COIL SERVES MULTIPLE SPACES, PROVIDE ADDITIONAL SPACE TEMPERATURE SENSORS (WHERE INDICATED) AND AVERAGE THE SPACE TEMPERATURE READINGS.

**2 Duct Mounted Heating Coil - Hot Water - Sequence of Operations**

**6 Air Handling Unit - With Supply Air Temperature Control (AHU-2HS-5HS)**

12" = 1'-0"

S.E.D. Control No. 66-04-03-03-0-001-019

Rev. No.	Date	Description
1	3/30/21	BID Addendum No 1



complex world | CLEAR SOLUTIONS

Tetra Tech Engineers, Architects & Landscape Architects, P.C.



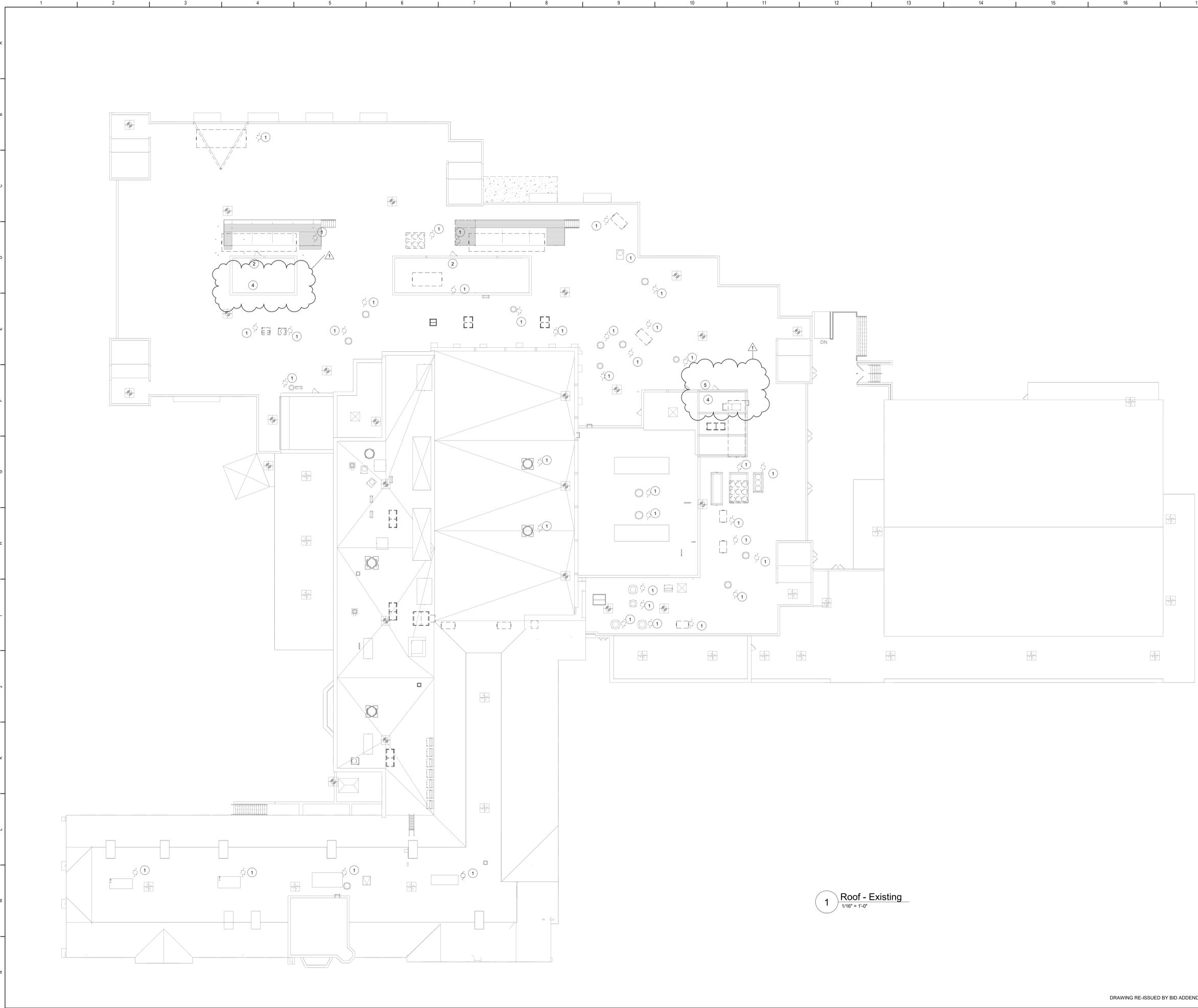
Dobbs Ferry Union Free School District  
Dobbs Ferry, New York

Reconstruction To:  
Middle / High School

Controls

Drawn By: DPM/pgm	Date: 07/02/2020	Drawing Number:
Project No.: 234903-20001		<b>BM701</b>

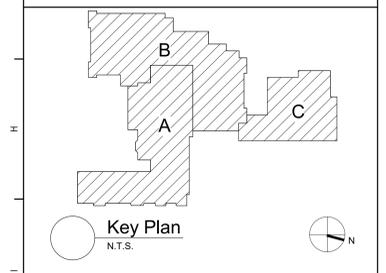
**BID SET**



- Keyed Notes**
- 1 DISCONNECT MECHANICAL EQUIPMENT. TAG AND COIL CIRCUIT FOR REUSE.
  - 2 DISCONNECT AND REMOVE SWITCHES AND CONDUIT TO ACCOMADTE WIDENING OF DOOR OPENING. COORDINATE ALL WORK WITH GENERAL CONTRACTOR.
  - 3 DISCONNECT MECHANICAL EQUIPMENT REMOVE CONDUIT AND CONDUCTORS BACK TO SOURCE.
  - 4 DISCONNECT LIGHT SWITCH FOR WIDER DOOR REPLACEMENT. EXTEND/MODIFY CIRCUITRY AS NECESSARY. COORDINATE ALL WORKJ WITH GENERAL CONTRACTOR.
  - 5 REMOVE EXTERIOR WALL LUMINAIRE AND CONDUCTIRS BACK TO SOURCE.

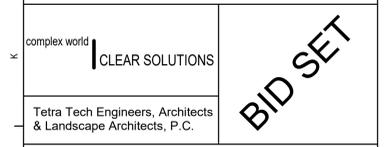
**General Notes**

A. REFER TO BE101 FOR GENERAL DEMOLITION AND GENERAL NOTES.



S.E.D. Control No. 66-04-03-03-0-001-019

Rev. No.	Date	Description
1	3/30/21	BID Addendum No 1



Dobbs Ferry Union Free School District  
Dobbs Ferry, New York

Reconstruction To:  
Middle / High School

Roof Demolition Plan

Drawn By: CR	Date: 07/02/2020	Drawing Number:
Project No.:	234903-20001	
		<b>BE105</b>

DRAWING RE-ISSUED BY BID ADDENDUM NO 1



CONSTRUCTION MANAGEMENT  
OWNER'S REPRESENTATIVE  
CONSULTING  
GENERAL CONTRACTING

Established 1919

CALGI CONSTRUCTION COMPANY, INC.  
56 Lafayette Avenue, Suite 350  
White Plains, New York 10603  
TEL: 914-682-9423  
FAX: 914-682-9420  
www.calgiconstruction.com

**ATTENDANCE SIGN IN SHEET**

**PROJECT NAME:** Dobbs Ferry UFSD Reconstruction - Springhurst Elementary School

**PRE-BID MEETING:** March 24, 2021 1:00 p.m.

**BID DUE DATE:** April 12, 2021 4:00 p.m.

PLEASE PRINT ALL INFORMATION

NAME	COMPANY NAME	PHONE	EMAIL ADDRESS
Joe Piazza	Piazza Inc	914-741-4435	Erikc@PiazzaBrothers.com
MIKE BEAULIEU	GREENWOOD INDUSTRIES INC.	860-798-7100	MIKEB@GREENWOOD-INDUSTRIES.COM
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**ATTENDANCE SIGN IN SHEET**

**PROJECT NAME:** Dobbs Ferry UFSD Reconstruction - Middle/High School

**PRE-BID MEETING:** March 24, 2021 3:00 p.m.

**BID DUE DATE:** April 12, 2021 4:00 p.m.

PLEASE PRINT ALL INFORMATION

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