

ADDENDUM NO. 4

November 10, 2025

Colonial School District

John G. Leach School

Bid Package A

The bid due date remains unchanged.**Bids are due on Wednesday, November 19, 2025 @ 3:30 PM****At the Main Office of Gunning Bedford Middle School, 801 Cox Neck Road, New Castle, DE 19720****The last day for questions is Wednesday, November 12, 2025.**

NOTICE: Attach this addendum to the project manual for this project. It modifies and becomes a part of the contract documents. Work or materials not specifically mentioned herein are to be described in the main body of the specifications and as shown in the drawings. Bidders shall acknowledge receipt of this addendum on the space provided on the Bid Form. Failure to do so may subject the bidder to disqualification.

The contract documents for the above referenced project, dated 15 October 2025, are amended as follows:

GENERAL CLARIFICATIONS:

1. Bid Documents may be viewed and downloaded at EDiS' FTP site. To obtain access to the FTP site, please submit your request via email to Crystal Watson, cwatson@ediscompany.com.
2. Physical copies of bids will be received at the Main Office of the Gunning Bedford Middle School, 801 Cox Neck Road, New Castle, DE 19720 until **3:30 PM local time on Wednesday, November 19, 2025**. The outer envelope should clearly indicate: **"COLONIAL SCHOOL DISTRICT – JOHN G LEACH SCHOOL – BID PACK A-_____ SEALED BID – DO NOT OPEN"** Bids may be hand delivered or mailed/shipped. Electronic bids will not be accepted. Bidder assumes full responsibility for timely delivery at location designated for receipt of bids. Any bids received after the stated time will be returned unopened.

QUESTIONS AND ANSWERS:

1. See the attached list of RFI's received, and responses.

MODIFICATIONS TO SPECIFICATIONS:

1. SECTION 000110 – TABLE OF CONTENTS
 - a. DELETE this section in its entirety and INSERT revised section, annotated Addendum No. 4 and dated 11/10/25.



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2. SECTION 004100 – BID FORMS

- a. DELETE the bid forms and REPLACE with the following revised bid forms dated 11/10/25, attached to this Addendum.

Contract: A-01: Sitework
Contract: A-02: Landscaping
Contract: A-03: Concrete
Contract: A-04: Masonry
Contract: A-05: Structural Steel & Miscellaneous Metals
Contract: A-06: Carpentry and General Work
Contract: A-07: Roofing
Contract: A-08: Waterproofing
Contract: A-09: Exterior Metal Panels
Contract: A-10: Joint Sealants
Contract: A-11: Hollow Metal and Finish Hardware
Contract: A-12: Glass And Glazing
Contract: A-13: Metal Studs and Drywall
Contract: A-14: Casework and Millwork
Contract: A-15: Ceramic Tile
Contract: A-16: Acoustical Ceilings
Contract: A-17: Paint and Vwc
Contract: A-18: Flooring
Contract: A-19 : Fluid-Applied Flooring
Contract: A-20: Kitchen Equipment
Contract: A-21: Swimming Pools
Contract: A-22: Fire Protection
Contract: A-23: Plumbing
Contract: A-24: Mechanical
Contract: A-25: Building Management Systems
Contract: A-26: Electrical
Contract: A-27: Special Systems
Contract: A-28: Structured Cabling
Contract: A-29: Testing Adjusting and Balancing

3. SECTION 00 54 13 – SUPPLEMENT TO AGREEMENT BETWEEN OWNER AND CONTRACTOR A132-2019

- a. ADD this section in its entirety, annotated Addendum No. 4 and dated 11/10/2025.



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Bid Package A

4. SECTION 00 54 14 – SUPPLEMENT TO A132-2019-EXHIBIT A – INSURANCE AND BONDS
 - a. ADD this section in its entirety, annotated Addendum No. 4 and dated 11/10/2025.
5. SECTION 00 73 00 – SUPPLEMENTARY GENERAL CONDITIONS A232-2019
 - a. DELETE this section in its entirety and INSERT revised section, annotated Addendum No. 4 and dated 11/10/25.
6. SECTION 01 11 00 SUMMARY OF WORK
 - a. DELETE this section in its entirety and INSERT revised section, annotated Addendum No. 4 and dated 11/10/25.
7. SECTION 01 23 00 – ALTERNATES
 - a. DELETE this section in its entirety and INSERT revised section, annotated Addendum No. 4 and dated 11/10/25.
8. SECTION 04 20 00 – Unit Masonry
 - a. DELETE this section in its entirety and INSERT revised section, annotated Addendum No. 4 and dated 11/7/2025.
 - b. Revised paragraph 2.02.A.2.b to indicate special shapes for 135 degree corners.
 - c. Revised paragraph 2.03.A.1 and 2.03.A.2 to indicate utility size brick.
 - d. Revised paragraph 2.03.B.2 to indicate 4x4x12 nominal brick at building and 4x4x8 nominal brick at bus canopy piers.
 - e. Added paragraph 2.03.B.3.a to indicate special shapes for 135 degree corners.
9. SECTION 07 12 00 – Built-Up Bituminous Waterproofing
 - a. ADD new section, annotated Addendum No. 4 and dated 11/7/25.
10. SECTION 07 42 13 – Metal Wall Panels
 - a. DELETE this section in its entirety and INSERT revised section, annotated Addendum No. 4 and dated 11/7/25.
 - b. Added paragraphs 2.02.B.2.a and 2.02.B.2.b indicating aluminum finish specifications.
 - c. Revised paragraph 2.02.B.3.d to indicate 24-inch high panel dimension.
 - d. Added paragraphs 2.03.B.2.a and 2.03.B.2.b indicating aluminum finish specifications.
 - e. Revised paragraph 2.04 to specify Type-3: Concealed Fastener – Closed Joint Metal Wall Panels.



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- f. Shifted former paragraph 2.04 to paragraph 2.05 and changed paragraph title to MTL-1: Concealed Fastener – Closed Joint Metal Soffit Panels.
 - g. Shifted former paragraph 2.05 to paragraph 2.06. No changes were made to this paragraph.
 - h. Shifted former paragraph 2.06 to paragraph 2.07. No changes were made to this paragraph.
 - i. Shifted former paragraph 2.07 to paragraph 2.08. No changes were made to this paragraph.
11. SECTION 07 53 00 – Elastomeric Membrane Roofing
- a. Revised paragraph 2.07.A.3 to indicate “Board Thickness: Minimum R-30, 5.2-inch.”
 - 3. **Board Thickness: Minimum R-30, 5.2 inch.**
 - b. Deleted paragraph 2.09.H Surface Primer.
Spec section not reissued at this time.
12. SECTION 08 42 29 – Automatic Entrances
- a. Revised paragraph 2.02.L to indicated Base Bid and Alternate Price as follows:
 - L. **Ballistic Rating**
 - 1. **Base Bid:** The complete system, framing, glazing and panels is designed to comply with Underwriters Laboratories UL 752 specification to provide complete ballistic protection up to a level 3 rating (.44 magnum lead semi-wad-cutter gas checked).
 - 2. **Alternate Price:** The complete system, framing, glazing and panels is designed to comply with Underwriters Laboratories UL 752 specification to provide complete ballistic protection up to a level 1 rating (.44 magnum lead semi-wad-cutter gas checked).
 - b. Added paragraph 2.05.C.1 to indicate Alternate Price as follows:
 - C. **Glazing:** Provide glazing for sliding automatic entrances; UL Level 3 Bullet Resistant BALULN25 Glazing Material, unless otherwise specified.
 - 1. **Alternate Price:** Provide glazing for sliding automatic entrances; UL Level 1 Bullet Resistant Glazing Material.
Spec section not reissued at this time.
13. SECTION 08 56 53 – SECURITY WINDOWS
- a. Revised paragraph 2.03.C to indicate Base Bid and Alternate Price as follows:
 - C. **Bullet-Resisting Glazing Material:**
 - 1. **Base Bid:** Bullet Resistant Level 1
 - a. 3/4" LP 750 Laminated
 - 2. **Alternate Price:** Bullet Resistant Level 3
 - a. 1 1/4" LP 1250 Laminated



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14. SECTION 10 44 00 – Fire Protection Specialties

- a. DELETE this section in its entirety and INSERT revised section, annotated Addendum No. 4 and dated 11/7/25.
- b. Added paragraph 2.02.C to include 2-1/2 pound fire extinguisher.
- c. Revised paragraph 2.03.C to indicated fully recessed fire extinguisher cabinet.
- d. Revised paragraph 2.03.D to include additional specifications for semi-recessed fire extinguisher cabinet.
- e. Added paragraph 2.03.G to indicate fabrication details
- f. Added paragraphs 2.04.A to indicate mounting brackets at all fire extinguisher locations.
- g. Added paragraphs 3.02.B, C, and D to provide additional installation requirements.
- h. Added paragraph 3.03 to reference plans for size, type and location.

15. SECTION 11 13 13 – Loading Dock Bumpers

- a. Revised paragraphs 2.01 and 2.02 to align with note on drawings. Also revised note on drawings to reflect bumper dimensions shown here. Revisions as follows:

2.01 MANUFACTURERS

- A. Loading Dock Bumpers:
 1. Durable Corp: www.durablecorp.com/#sle.
 2. Reliable Rubber Products, Inc: www.reliablerubber.com/#sle.
 3. Vestil Manufacturing: www.vestil.com/#sle.
 4. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 COMPONENTS

- A. Loading Dock Bumpers: Molded rubber, ozone resistant, nylon reinforced, Shore A Durometer of 70, minimum, and tensile strength of 950 to 1050 psi, minimum.
 1. Projection From Wall: 6 inches, minimum.
 2. Vertical Height: 12 inches, minimum.
 3. Width: 96 inches, minimum.
 4. Profile: Rectangular.
- B. Attachment Hardware: 3/4 inches diameter galvanized bolts with expansion shields.
- C. Touch-up Primer: Zinc rich type.

16. SECTION 22 10 05 – Plumbing Piping

- a. 2.02 Sanitary sewer piping, buried within 5 feet of building: Add SCH 40 PVC pipe, ASTM D2665 or ASTM D3034, solvent welded.

Spec section not reissued at this time.

17. SECTION 22 30 00 – Plumbing Equipment

- a. ADD new section, annotated Addendum No. 4 and dated 11/7/25.



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18. SECTION 23 74 13 – Packaged Outdoor Central Station Air Handling Units

- a. CaptiveAire is to be considered an acceptable manufacturer of these units. Requirements set forth in the bid documents still must be maintained.
- b. NOTE: Packaged Outdoor Central Station Air Handling Units shall be provided with a native BACnet controller capable of providing all specified functions, including those listed in the sequences of operation noted in 23 09 23.

*Spec section not reissued at this time.*19. SECTION 23 74 33 – Dedicated Outdoor Air Units

- a. CaptiveAire is to be considered an acceptable manufacturer of these units. Requirements set forth in the bid documents still must be maintained.
- b. NOTE: Dedicated outdoor air units shall be provided with a native BACnet controller capable of providing all specified functions, including those listed in the sequences of operation noted in 23 09 23.

*Spec section not reissued at this time.*20. SECTION 23 84 19 – Dedicated Outdoor Air Units

- a. NOTE: Indoor pool dehumidification units shall be provided with a native BACnet controller capable of providing all specified functions, including those listed in the sequences of operation.

*Spec section not reissued at this time.*21. SECTION 28 10 00 – Access Control

- a. ADD new section, annotated Addendum No. 4 and dated 11/7/25.

22. SECTION 28 31 11 – Building Intrusion Detection

- a. ADD new section, annotated Addendum No. 4 and dated 11/7/25.

MODIFICATIONS TO DRAWINGS:1. G-000 COVER SHEET

- a. Revised sheet index

2. GC001 EGRESS PLAN

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Bid Package A

- a. Revised exit sign locations.

3. GC002 EQUIPMENT LOCATION PLAN – AREA A

- a. Revised sheet to include additional equipment
- b. Tagged equipment and added legend

4. GC003 EQUIPMENT LOCATION PLAN – AREA B

- a. Added sheet
- b. Tagged equipment and added legend

5. A-100 FIRST FLOOR PLAN – AREA A

- a. Added windows at Kitchen Office
- b. Deleted equipment schedule
- c. Revised Construction Key Notes
- d. Deleted floor finish hatches

6. A-101 FIRST FLOOR PLAN – AREA B

- a. Deleted equipment schedule
- b. Revised Construction Key Notes
- c. Added door tag 128F at AV/Storage

7. A-104 ROOF PLAN

- a. Revised roof Key Notes and Legend
- b. Added crickets at mechanical units
- c. Revised bus canopy roof information
- d. Added canopies at courtyard
- e. Added tags to indicate canopy sizes

8. A-110 FIRST FLOOR REFLECTED CEILING PLAN – AREA A

- a. Added room tag at Storage-157D
- b. Fixed soffit at Cafeteria
- c. Added soffits to rooms 159, 160 165, 169, 121, and 123

9. A-111 FIRST FLOOR REFLECTED CEILING PLAN – AREA B

- a. Added soffits to rooms 170 AND 171
- b. Noted ceiling heights at Vestibule



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- c. Noted soffit at bus canopy

10. A-201 EXTERIOR ELEVATIONS

- a. Revised vestibule elevations
- b. Revised Material Legend – Metal panel selections updated
- c. Added control joints

11. A-202 EXTERIOR ELEVATIONS

- a. Revised Material Legend – Metal panel selections updated
- b. Added control joints
- c. Added missing downspouts

12. A-203 EXTERIOR ELEVATIONS

- a. Revised Materials Legend – Metal panel selections updated
- b. Added control joints

13. A-204 EXTERIOR ELEVATIONS

- a. Revised Materials Legend – Metal panel selections updated
- b. Added missing downspouts
- c. Added control joints

14. A-205 COURTYARD ELEVATIONS

- a. Revised Materials Legend – Metal panel selections updated
- b. Added canopies
- c. Added control joints

15. A-309 BUS CANOPY SECTION AND DETAILS

- a. Added sheet

16. A-604 WINDOW SCHEDULES

- a. Added window types Q and R

17. A-851 EXTERIOR WALL MOCK-UP

- a. Added sheet

18. P-101 PLUMBING FIRST FLOOR NATURAL GAS PLAN - AREA A

- a. Revised pipe sizes, notes, and tags.



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- b. Added pipe tags.

19. P-102 PLUMBING FIRST FLOOR NATURAL GAS PLAN - AREA B

- a. Revised pipe sizes.

20. P-802 NATURAL GAS PLUMBING ISOMETRIC

- a. Adding this sheet.

21. M-101 MECHANICAL HVAC PLAN – AREA A

- a. AHU-1 and RTU-2 ductwork updated.
- b. Temperature sensors added and removed.
- c. Louver and MOD added to pool equipment room.

22. M-102 MECHANICAL HVAC PLAN – AREA B

- a. Temperature sensors removed.

23. M-103 MECHANICAL HVAC PLAN – AREA C

- a. Diffusers and ductwork adjusted to accommodate new soffit.
- b. FC-53 shifted plan left to accommodate new diffuser placement.
- c. Temperature sensors added.
- d. EBB, temperature sensor, and return exhaust added to room 173.

24. M-104 MECHANICAL HVAC PLAN – AREA D

- a. Temperature sensors added and removed.

25. M-106 MECHANICAL ROOF PLAN

- a. Note added for duct supports where applicable.
- b. AHU-1 ductwork updated.
- c. RTU-2 ductwork updated.

26. M-500 MECHANICAL SCHEDULES

- a. Updated wall-mounted ductless split heat pump schedule model numbers to reflect correct refrigeration.
- b. Updated VRF heat pump schedule model numbers for heat pumps 1-4 to reflect correct refrigeration.



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- c. Updated VRF heat pump schedule model number for HP-5 to reflect correct refrigeration and size.
- d. Updated RTU and DOAS schedules.
- e. Added AHU-1 model number.
- f. Updated returns R-11 and R-12.
- g. EBB-7 added.

27. M-600 MECHANICAL DETAILS

- a. Views 10, 11, 12, 13 show changes to AHU-1 and RTU-2 ductwork.

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Drawing A204 Exterior Elevations



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Bid Package A

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Drawing A309 Bus Canopy Section and Detail
Drawing A604 Window Schedules
Drawing A851 Exterior Wall Mock-Up
Drawing P101 Plumbing First Floor Natural Gas Plan - Area A
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Drawing M104 Mechanical Hvac Plan – Area D
Drawing M106 Mechanical Roof Plan
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Bidding RFI Log, dated 11/10/2025

End of Addendum No. 4

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26 27 26 – WIRING DEVICES
26 28 13 – FUSES
26 28 17 – ENCLOSED CIRCUIT BREAKERS
26 28 18 – ENCLOSED SWITCHES
26 29 13 – ENCLOSED CONTROLLERS
26 29 23 – VARIABLE-FREQUENCY MOTOR CONTROLLERS
26 32 13 – ENGINE GENERATORS
26 36 00 – TRANSFER SWITCHES
26 43 00 – SURGE PROTECTIVE DEVICES
26 51 00 – INTERIOR LIGHTING
25 56 00 – EXTERIOR LIGHTING

DIVISION 27 – COMMUNICATIONS

27 10 05 – STRUCTURE CABLING FOR VOICE AND DATA – INSIDE-PLANT
27 51 17 – PUBLIC ADDRESS SYSTEMS
27 53 13 – WIRELESS CLOCK SYSTEM

DIVISION 28 – ELECTRONIC SAFETY AND SECURITY

28 15 00 – INTEGRATED ACCESS CONTROL HARDWARE DEVICES
28 31 00 – FIRE DETECTION AND ALARM
28 31 11 – BUILDING INTRUSION DETECTION (ADDENDUM 4)

DIVISION 31 – EARTHWORK

31 20 00 – EARTH MOVING

31 31 16 – TERMITE CONTROL

DIVISION 32 – BASES, BALLASTS, AND PAVING

32 12 16 – ASPHALT PAVING

32 13 13 – CONCRETE PAVING

32 13 73 – CONCRETE PAVING JOINT SEALANTS

32 17 23 – PAVEMENT MARKINGS

32 17 26 – TACTILE WARNING SURFACING

32 31 13 – CHAIN LINK FENCE AND GATES

32 31 19 – DECORATIVE METAL FENCES AND GATES

DIVISION 33 – UTILITIES

33 11 13 – FACILITY WATER DISTRIBUTION PIPING

33 31 13 – FACILITY SANITARY SEWERS

33 42 00 – STORMWATER CONVEYANCE

33 46 00 – SUBDRAINAGE

33 71 19 – ELECTRICAL UNDERGROUND DUCTS, DUCTBANKS, AND MANHOLES

END OF SECTION

Contract A-01 : Sitework

BID FORM

For Bids Due: _____ To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

Alternate No. 1: Provide Additional Walking Surfaces in the Rear Walking Path Area

Add/Deduct _____ (\$ _____)

Alternate No. 2: Provide EPDM Playing Surfaces and Concrete Basketball Court at Rear Walking Path Area

Add/Deduct _____ (\$ _____)

Alternate No. 2A: Provide Playground Equipment, Outdoor Fitness Equipment, and Site Furnishings at Rear Walking Path Area

Add/Deduct _____ (\$ _____)

Alternate No. 3: Provide Synthetic Play Surface in Courtyard #3

Add/Deduct _____ (\$ _____)

Alternate No. 3A: Provide Playground Equipment, Outdoor Fitness Equipment, and Site Furnishings at Courtyards #2 and #3

Add/Deduct _____ (\$ _____)

Alternate No. 3B: Provide Site Furnishings at Courtyards #1 (ADDENDUM 4)

Add/Deduct _____ (\$ _____)

Alternate No. 4: Eliminate east parking area.

Add/Deduct _____ (\$ _____)

Alternate No. 11: Excess soils export.

Add/Deduct _____ (\$ _____)

UNIT PRICES

	<u>BULK</u>		<u>TRENCH</u>	
	<u>Add</u>	<u>Deduct</u>	<u>Add</u>	<u>Deduct</u>
1. Price per Cubic Yard for earth excavation as specified In excavation section	_____ c/y	_____ c/y	_____ c/y	_____ c/y
2. Price per cubic yard for earth excavation.	_____ c/y	_____ c/y	_____ c/y	_____ c/y
3. Price per cubic yard for earth fill required to replace rock excavation, including finishing, placing and compacting.	_____ s/y	_____ s/y	_____ s/y	_____ s/y
4. Price per cubic yard to supply & install Bio-Media Mix	_____ c/y	_____ c/y	_____ c/y	_____ c/y
5. Price per cubic yard for excavation and backfill With select material	_____ c/y	_____ c/y	_____ c/y	_____ c/y
6. Price per cubic yard to undercut subgrade and backfill with imported structural fill material. Spoils to be exported from site.	_____ c/y	_____ c/y	_____ c/y	_____ c/y
7. Price per cubic yard to undercut subgrade and backfill with on-site mined structural fill.				

Spoils to be exported from site.	_____ c/y	_____ c/y	_____ c/y	_____ c/y
8. Price per cubic yard to undercut footings subgrade and backfill with select spoils to be placed on site	_____ c/y	_____ c/y	_____ c/y	_____ c/y
9. Price per cubic yard to undercut subgrade and backfill with 106A stone. Spoils to be exported from site.	_____ c/y	_____ c/y	_____ c/y	_____ c/y
10. Price per cubic yard to load trucks provided by William Penn Sitework contractor above Quantity stated in Alternate 11	_____ c/y	_____ c/y	_____ c/y	_____ c/y

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work ~~within _____ calendar days of the Notice to Proceed.~~ **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Sitework</u>			
2. <u>Asphalt Paving</u>			
3. <u>Concrete Flatwork</u>			
4. _____			
5. _____			

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-01 : Sitework have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____ Authorized Signature
Attest _____	_____ Title
Witness _____	_____ Name of Surety
	_____ Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-02 : Landscaping

BID FORM

For Bids Due: _____ To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

Alternate No. 1: Provide Additional Walking Surfaces in the Rear Walking Path Area

Add/Deduct _____ (\$ _____)

Alternate No. 2: Provide EPDM Playing Surfaces and Concrete Basketball Court at Rear Walking Path Area

Add/Deduct _____ (\$ _____)

Alternate No. 3: Provide Synthetic Play Surface in Courtyard #3

Add/Deduct _____ (\$_____)

Alternate No. 4: Eliminate east parking area.

Add/Deduct _____ (\$_____)

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within _____ calendar days of the Notice to Proceed. **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____

(Authorized Signature)

(SEAL)

(Title)

Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder's listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor's full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert "not applicable", "N/A", "self" or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

	<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1.	<u>Landscaping</u>	<u></u>	<u></u>	<u></u>
2.	<u>Grass Seeding</u>	<u></u>	<u></u>	<u></u>
3.	<u></u>	<u></u>	<u></u>	<u></u>
4.	<u></u>	<u></u>	<u></u>	<u></u>
5.	<u></u>	<u></u>	<u></u>	<u></u>

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-02 : Landscaping have been thoroughly examined and are understood.

NAME OF BIDDER:

AUTHORIZED REPRESENTATIVE
(TYPED):

AUTHORIZED REPRESENTATIVE
(SIGNATURE):

TITLE:

ADDRESS OF BIDDER:

E-MAIL:

PHONE NUMBER:

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate
Seal

By: _____
Authorized Signature

Attest _____

Title

Name of Surety

Witness _____

Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-03 : Concrete

BID FORM

For Bids Due: _____ To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

Alternate No. 7: Modify Selected Interior Partitions from Masonry to Drywall

Add/Deduct _____ (\$ _____)

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work ~~within _____ calendar days of the Notice to Proceed.~~ **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Concrete</u>			
2. _____			
3. _____			
4. _____			
5. _____			

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-03 : Concrete have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal Attest _____ Witness _____	By: _____ Authorized Signature _____ Title _____ Name of Surety _____ _____ Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-04 : Masonry

BID FORM

For Bids Due: _____ To: **Colonial School District**
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

Alternate No. 6: Face Brick Alternate Product

Add/Deduct _____ (\$ _____)

~~Alternate No. 7: Modify Selected Interior Partitions from Masonry to Drywall (ADDENDUM 4)~~

~~Add/Deduct _____ (\$ _____)~~

Alternate No. 10: Add Greenhouse in Courtyard

Add/Deduct _____ (\$ _____)

Alternate No. 12: Provide Mineral Fiber Board Insulation over Weather Barrier (ADDENDUM 4)

Add/Deduct _____ (\$ _____)

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within _____ calendar days of the Notice to Proceed. **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____

(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Masonry</u>			
2. <u></u>			
3. <u></u>			
4. <u></u>			
5. <u></u>			

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-04 : Masonry have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal Attest _____ Witness _____	By: _____ Authorized Signature _____ Title _____ Name of Surety _____ _____ Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-05 : Structural Steel & Miscellaneous Metals

BID FORM

For Bids Due: _____ To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES Not Applicable

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within ~~calendar days of the Notice to Proceed.~~ **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond

Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Structural Steel</u>	_____	_____	_____
2. <u>Miscellaneous Metals</u>	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-05 : Structural Steel have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____ Authorized Signature
Attest _____	_____ Title
Witness _____	_____ Name of Surety
	_____ Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-06 : Carpentry & General Works

BID FORM

For Bids Due: _____ To: **Colonial School District**
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

~~Alternate No. 6: Provide Pergola in Courtyard #3 (ADDENDUM 4)~~

~~Add/Deduct _____ (\$ _____)~~

~~Alternate No. 7: Modify Selected Interior Partitions from Masonry to Drywall (ADDENDUM 4)~~

~~Add/Deduct _____ (\$ _____)~~

Alternate No. 8: Reduce Drywall Soffits

Add/Deduct _____ (\$ _____)

Alternate No. 10: Provide Greenhouse in Courtyard #2 (ADDENDUM 4)

Add/Deduct _____ (\$ _____)

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work ~~within _____ calendar days of the Notice to Proceed.~~ **per the preliminary construction schedule in specification section 013216, ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Carpentry</u>			
2. _____			
3. _____			
4. _____			
5. _____			

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-06 : Carpentry have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____ Authorized Signature
Attest _____	_____ Title
	_____ Name of Surety
Witness _____	_____ Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-07 : Roofing

BID FORM

For Bids Due: _____ To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES Not Applicable

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within ~~calendar days of the Notice to Proceed.~~ **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement

Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Roofing</u>			
2. _____			
3. _____			
4. _____			
5. _____			

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-07 : Roofing have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____ Authorized Signature
Attest _____	_____ Title
Witness _____	_____ Name of Surety
	_____ Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-08 : Waterproofing

BID FORM

For Bids Due: _____ To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES Not Applicable

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within ~~calendar days of the Notice to Proceed.~~ **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement

Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Waterproofing</u>			
2. _____			
3. _____			
4. _____			
5. _____			

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-08 : Waterproofing have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____
Attest _____	Authorized Signature

	Title

Witness _____	Name of Surety

	Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-09 : Exterior Metal Panels

BID FORM

For Bids Due: _____ To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES Not Applicable

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within ~~calendar days of the Notice to Proceed.~~ **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement

Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Metal Panels</u>	<u></u>	<u></u>	<u></u>
2. <u></u>	<u></u>	<u></u>	<u></u>
3. <u></u>	<u></u>	<u></u>	<u></u>
4. <u></u>	<u></u>	<u></u>	<u></u>
5. <u></u>	<u></u>	<u></u>	<u></u>

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-09 : Exterior Metal Panels have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____
Attest _____	Authorized Signature

	Title

Witness _____	Name of Surety

	Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-10 : Joint Sealants

BID FORM

For Bids Due: _____ To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES Not Applicable

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within ~~calendar days of the Notice to Proceed.~~ **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement

Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Joint Sealants</u>			
2. _____			
3. _____			
4. _____			
5. _____			

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-10 : Joint Sealants have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____ Authorized Signature
Attest _____	_____ Title
Witness _____	_____ Name of Surety
	_____ Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-11 : Hollow Metal and Finish Hardware

BID FORM

For Bids Due: _____ To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES Not Applicable

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within ~~calendar days of the Notice to Proceed.~~ **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement

Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Hollow Metal Doors/Frames</u>	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-11 : Hollow Metal and Finish Hardware have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____ Authorized Signature
Attest _____	_____ Title
Witness _____	_____ Name of Surety
	_____ Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-12 : Glass and Glazing

BID FORM

For Bids Due: _____ To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES **Not Applicable**

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

Alternate No. 13: Automatic Entrances Ballistic Rating (ADDENDUM 4)

Add/Deduct _____ (\$ _____)

Alternate No. 14: Automatic Entrances Bullet Resistant Glazing Rating (ADDENDUM 4)

Add/Deduct _____ (\$ _____)

Alternate No. 15: Security Windows Bullet-Resistant Glazing Material (ADDENDUM 4)

Add/Deduct _____ (\$ _____)

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within _____ calendar days of the Notice to Proceed. **per the preliminary construction schedule in specification section 013216, ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder's listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor's full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert "not applicable", "N/A", "self" or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Aluminum Storefronts</u>	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-12 : Glass and Glazing have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal Attest _____ Witness _____	By: _____ Authorized Signature _____ Title _____ Name of Surety _____ _____ Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-13 : Metal Studs & Drywall

BID FORM

For Bids Due: _____ To: **Colonial School District**
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

Alternate No. 7: Modify Selected Interior Partitions from Masonry to Drywall

Add/Deduct _____ (\$ _____)

Alternate No. 8: Reduce Drywall Soffits

Add/Deduct _____ (\$ _____)

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within _____ calendar days of the Notice to Proceed. **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Metal Stud Framing</u>	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-13 : Metal Studs & Drywall have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal Attest _____ Witness _____	By: _____ Authorized Signature _____ Title _____ Name of Surety _____ _____ Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-14 : Casework and Millwork

BID FORM

For Bids Due: _____ To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES Not Applicable

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

Alternate No. 8: Reduce Drywall Soffits

Add/Deduct _____ (\$ _____)

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work ~~within _____ calendar days of the Notice to Proceed.~~ **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Casework</u>			
2. <u>Millwork</u>			
3. _____			
4. _____			
5. _____			

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-14 : Casework & Millwork have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____ Authorized Signature
Attest _____	_____ Title
Witness _____	_____ Name of Surety
	_____ Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-15 : Ceramic Tile

BID FORM

For Bids Due: _____ To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES Not Applicable

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within ~~calendar days of the Notice to Proceed.~~ **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Ceramic Tile</u>			
2. _____			
3. _____			
4. _____			
5. _____			

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-15 : Ceramic Tile have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____ Authorized Signature
Attest _____	_____ Title
	_____ Name of Surety
Witness _____	_____ Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-16 : Acoustical Ceilings

BID FORM

For Bids Due: _____ To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

Alternate No. 8: Reduce Drywall Soffits

Add/Deduct _____ (\$ _____)

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within ~~calendar days of the Notice to Proceed.~~ **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Acoustical Ceilings</u>			
2.			
3.			
4.			
5.			

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-16 : Acoustical Ceilings have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____ Authorized Signature
Attest _____	_____ Title
Witness _____	_____ Name of Surety
	_____ Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-17 : Paint and VWC

BID FORM

For Bids Due: _____ To: **Colonial School District**
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

Alternate No. 8: Reduce Drywall Soffits

Add/Deduct _____ (\$ _____)

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within _____ calendar days of the Notice to Proceed. **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Paint</u>			
2. <u>Wallcoverings</u>			
3. _____			
4. _____			
5. _____			

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-17 : Paint and VWC have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____ Authorized Signature
Attest _____	_____ Title
Witness _____	_____ Name of Surety
	_____ Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-18 : Flooring

BID FORM

For Bids Due: _____ To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES Not Applicable

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within ~~calendar days of the Notice to Proceed.~~ **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder's listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor's full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert "not applicable", "N/A", "self" or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>		<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1.	<u>Flooring</u>			
2.				
3.				
4.				
5.				

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-18 : Flooring have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____
Attest _____	Authorized Signature

	Title

Witness _____	Name of Surety

	Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-19 : Fluid-Applied Flooring

BID FORM

For Bids Due: _____ To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES Not Applicable

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within ~~calendar days of the Notice to Proceed.~~ **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Fluid-Applied Flooring</u>	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-19 : Fluid-Applied Flooring have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal Attest _____ Witness _____	By: _____ Authorized Signature _____ Title _____ Name of Surety _____ _____ Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-20 : Kitchen Equipment

BID FORM

For Bids Due: _____ To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

Alternate No. 9: Add Vocational Kitchen Equipment

Add/Deduct _____ (\$ _____)

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within _____ calendar days of the Notice to Proceed. **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Kitchen Equipment</u>			
2.			
3.			
4.			
5.			

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-20 : Kitchen Equipment have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____ Authorized Signature
Attest _____	_____ Title
Witness _____	_____ Name of Surety
	_____ Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-21 : Swimming Pools

BID FORM

For Bids Due: _____ To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES Not Applicable

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within ~~calendar days of the Notice to Proceed.~~ **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Swimming Pools</u>	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-21 : Swimming Pools have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____ Authorized Signature
Attest _____	_____ Title
Witness _____	_____ Name of Surety
	_____ Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-22 : Fire Protection

BID FORM

For Bids Due: _____ To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

Alternate No. 8: Reduce Drywall Soffits

Add/Deduct _____ (\$ _____)

Alternate No. 9: Add Vocational Kitchen Equipment

Add/Deduct _____ (\$ _____)

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within _____ calendar days of the Notice to Proceed. **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Fire Protection</u>			
2.			
3.			
4.			
5.			

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-22 : Fire Protection have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____ Authorized Signature
Attest _____	_____ Title
	_____ Name of Surety
Witness _____	_____ Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-23 : Plumbing

BID FORM

For Bids Due: _____ To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

Alternate No. 9: Add Vocational Kitchen Equipment

Add/Deduct _____ (\$ _____)

Alternate No. 10: Add Greenhouse in Courtyard

Add/Deduct _____ (\$ _____)

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work ~~within _____ calendar days of the Notice to Proceed.~~ **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Plumbing</u>			
2. _____			
3. _____			
4. _____			
5. _____			

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-23 : Plumbing have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____
Attest _____	Authorized Signature

	Title

Witness _____	Name of Surety

	Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-24 : Mechanical

BID FORM

For Bids Due: _____ To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

Alternate No. 9: Add Vocational Kitchen Equipment

Add/Deduct _____ (\$ _____)

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work ~~within _____ calendar days of the Notice to Proceed.~~ **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Mechanical</u>	<u></u>	<u></u>	<u></u>
2. <u></u>	<u></u>	<u></u>	<u></u>
3. <u></u>	<u></u>	<u></u>	<u></u>
4. <u></u>	<u></u>	<u></u>	<u></u>
5. <u></u>	<u></u>	<u></u>	<u></u>

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-24 : Mechanical have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____ Authorized Signature
Attest _____	_____ Title
Witness _____	_____ Name of Surety
	_____ Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-25 : Building Management Systems

BID FORM

For Bids Due: _____ To: *Colonial School District*
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

Alternate No. 9: Add Vocational Kitchen Equipment

Add/Deduct _____ (\$ _____)

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work ~~within _____ calendar days of the Notice to Proceed.~~ **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Building Management Systems</u>	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-25 : Building Management Systems have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____
Attest _____	Authorized Signature

	Title

Witness _____	Name of Surety

	Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-26 : Electrical

BID FORM

For Bids Due: _____ To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

Alternate No. 4: Eliminate east parking area.

Add/Deduct _____ (\$ _____)

Alternate No. 8: Reduce Drywall Soffits

Add/Deduct _____ (\$ _____)

Alternate No. 9: Add Vocational Kitchen Equipment

Add/Deduct _____ (\$ _____)

Alternate No. 10: Add Greenhouse in Courtyard

Add/Deduct _____ (\$ _____)

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within ~~calendar days of the Notice to Proceed.~~ **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Electrical</u>			
2. _____			
3. _____			
4. _____			
5. _____			

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-26 : Electrical have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____ Authorized Signature
Attest _____	_____ Title
Witness _____	_____ Name of Surety
	_____ Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-27 : Special Systems

BID FORM

For Bids Due: _____ To: **Colonial School District**
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

Alternate No. 4: Provide east parking area.

Add/Deduct _____ (\$ _____)

Alternate No. 8: Reduce Drywall Soffits

Add/Deduct _____ (\$ _____)

Alternate No. 9: Add Vocational Kitchen Equipment

Add/Deduct _____ (\$ _____)

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within ~~calendar days of the Notice to Proceed.~~ **per the preliminary construction schedule in specification section 013216, ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder's listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor's full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert "not applicable", "N/A", "self" or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Security</u>			
2. <u>Fire Alarm</u>			
3. <u></u>			
4. <u></u>			
5. <u></u>			

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-27 : Special Systems have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____ Authorized Signature
Attest _____	_____ Title
Witness _____	_____ Name of Surety
	_____ Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-28 : Structured Cabling

BID FORM

For Bids Due: _____ To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

Alternate No. 4: Provide east parking area.

Add/Deduct _____ (\$ _____)

Alternate No. 9: Add Vocational Kitchen Equipment

Add/Deduct _____ (\$ _____)

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within _____ calendar days of the Notice to Proceed. **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Tele/Data</u>	<u></u>	<u></u>	<u></u>
2. <u></u>	<u></u>	<u></u>	<u></u>
3. <u></u>	<u></u>	<u></u>	<u></u>
4. <u></u>	<u></u>	<u></u>	<u></u>
5. <u></u>	<u></u>	<u></u>	<u></u>

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-28 : Structured Cabling have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____ Authorized Signature
Attest _____	_____ Title
Witness _____	_____ Name of Surety
	_____ Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract A-29 : Testing Adjusting and Balancing

BID FORM

For Bids Due: _____ To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALTERNATES

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

Alternate No. 9: Add Vocational Kitchen Equipment

Add/Deduct _____ (\$ _____)

UNIT PRICES Not Applicable

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within ~~calendar days of the Notice to Proceed.~~ **per the preliminary construction schedule in specification section 013216. ADDENDUM 4**

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
New Castle County Contractor's License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Testing Adjusting Balancing</u>	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date

All the terms and conditions of Contract A-29 : Testing Adjusting and Balancing have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Colonial School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Colonial
School District for the use and benefit of the Colonial School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Colonial School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Colonial School District this Contract to be
entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of said
proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____
Attest _____	Authorized Signature

	Title

Witness _____	Name of Surety

	Title

CONSENT OF SURETY

DATE _____

To: Colonial School District
701 East Basin Road
New Castle, DE 19720

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

SECTION 00 54 13

SUPPLEMENT TO AGREEMENT BETWEEN OWNER AND CONTRACTOR A132-2019

The following supplements modify the "Standard Form of Agreement Between Owner and Contractor, Construction Manager as Advisor Edition" AIA Document A132-2019. Where a portion of the Standard Form of Agreement is modified or deleted by the following, the unaltered portions of the Standard Form of Agreement shall remain in effect.

ARTICLE 3: DATE OF COMMENCEMENT AND DATES OF SUBSTANTIAL COMPLETION

3.1 Delete paragraph 3.1 in its entirety and replace with the following:

"The date of Commencement of the Work shall be a date set forth in a notice to proceed issued by the Owner."

3.3.1 In the space provided, insert "As defined in Article 9.8 of AIA Document A232-2019 and amended by the Owner's 'Supplementary General Conditions A232-2019'"

ARTICLE 4: CONTRACT SUM

4.1 Delete paragraph 4.1 in its entirety and replace with the following:

"The Owner shall pay the Contractor the Contract Sum in current funds for the Contractor's performance of the Contract. The Contract Sum shall be a Stipulated Sum, in accordance with Section 4.2 below.

4.3 Delete paragraph 4.3 in its entirety.

4.4 Delete paragraph 4.4 in its entirety.

ARTICLE 5: PAYMENTS

5.1 PROGRESS PAYMENTS

5.1.3 Delete paragraph 5.1.3 in its entirety and replace with the following:

"Provided that a valid Application for Payment is received by the Architect that meets all requirements of the Contract, payment shall be made by the Owner not later than 30 days after the Owner receives the valid Application for Payment."

5.1.5 Delete paragraph 5.1.5 in its entirety.

5.1.6 Delete paragraph 5.1.6 in its entirety.

5.2.2 Delete paragraph 5.2.2 in its entirety.

5.3 Insert the interest rate of "1% per month not to exceed 12% per annum."

ARTICLE 6: DISPUTE RESOLUTION

6.2 BINDING DISPUTE RESOLUTION

Check the box “Other” – and add the following sentence:

"Any remedies available in law or in equity."

ARTICLE 7: TERMINATION or SUSPENSION

7.1.1.1 Delete paragraph 7.1.1.1 in its entirety.

7.2 Delete paragraph 7.2 in its entirety.

ARTICLE 8: MISCELLANEOUS PROVISIONS

8.4 Delete paragraph 8.4 in its entirety and replace with the following:

"The Contractor's representative shall not be changed without ten days written notice to the Owner."

8.7 Delete paragraph 8.7 in its entirety.

ARTICLE 9: ENUMERATION OF CONTRACT DOCUMENTS

9.1.9 Insert "Supplement to Agreement Between Owner and Contractor A132-2019"

9.1.9 Insert "Supplementary General Conditions A232-2019"

END OF SECTION

SECTION 00 54 14**SUPPLEMENT TO A132-2019 – EXHIBIT A - INSURANCE AND BONDS**

The following supplements modify the "Standard Form of Agreement Between Owner and Contractor, *Construction Manager as Adviser Edition*" AIA Document A132-2019 Exhibit A Insurance and Bonds. Where a portion of the Standard Form of Agreement, Exhibit A is modified or deleted by the following, the unaltered portions of the Standard Form of Agreement, Exhibit A shall remain in effect.

ARTICLE A.2 OWNER'S INSURANCE**A.2.1 General**

Delete paragraph A.2.1 in its entirety.

A.2.2 Liability Insurance

Delete paragraph A.2.2 in its entirety, except in the case of school projects this paragraph shall remain.

A.2.3 Required Property Insurance

Delete paragraph A.2.3 in its entirety.

A.2.4 Optional Extended Property Insurance

Delete paragraph A.2.4 in its entirety.

A.2.5 Other Optional Insurance

Delete paragraph A.2.5 in its entirety.

ARTICLE A.3 CONTRACTORS INSURANCE AND BONDS**A.3.1.1 Strike the last sentence of the paragraph.****A.3.1.3 Additional Insured Obligations**

In the first sentence after "coverage to include (1)" delete "(1) the Owner,".

Strike the remainder of the first sentence beginning at the semicolon "; and (2) the Owner" through the end of the sentence.

Delete the second sentence in its entirety.

A.3.2.2.1 Insert "\$1,000,000.00" in the blank for each occurrence.

Insert "\$3,000,000.00" in the blank for general aggregate.

Insert "\$3,000,000.00" in the blank for aggregate for products-completed operations hazard.

Addendum #4

15 October 2025 – Rev 11/10/2025

A.3.2.3 Insert "\$1,000,000.00" in the blank for per accident.

A.3.2.6 Insert "\$500,000.00" in the blank for each accident.
Insert "\$500,000.00" in the blank for each employee.
Insert "\$500,000.00" in the blank for policy limit.

A.3.2.8 Insert "\$1,000,000.00" in the blank for per claim.
Insert "\$3,000,000.00" in the blank for in the aggregate.

A.3.2.9 Insert "\$1,000,000.00" in the blank for per claim.
Insert "\$3,000,000.00" in the blank for in the aggregate.

A.3.2.10 Insert "\$2,000,000.00" in the blank for per claim.
Insert "\$4,000,000.00" in the blank for in the aggregate.

A.3.2.11 Strike in its entirety.

A.3.2.12 Strike in its entirety.

A.3.3.2.1 Delete paragraph 3.3.2.1 in its entirety

A.3.3.2.2 Strike in its entirety.

A.3.3.2.3 Insert "\$1,000,000.00" in the blanks for per claim.
Insert "\$3,000,000.00" in the blanks for in the aggregate.

A.3.4 Insert the actual contract price in both the Payment Bond and the Performance Bond Penal Sum blanks. It must be 100% of the contract price.

Strike the last sentence in this section and replace with "Payment and Performance Bonds shall be in the standard form issued by the Delaware Office of Management and Budget."

END OF SECTION

STATE OF DELAWARE

DIVISION OF FACILITIES MANAGEMENT

SUPPLEMENTARY GENERAL CONDITIONS A232-2019

The following supplements modify the "General Conditions of the Contract for Construction, Construction Manager as Advisor Edition." AIA Document A232-2019. Where a portion of the General Conditions is modified or deleted by the Supplementary Conditions, the unaltered portions of the General Conditions shall remain in effect.

TABLE OF ARTICLES

1. GENERAL PROVISIONS
2. OWNER
3. CONTRACTOR
4. ARCHITECT AND CONSTRUCTION MANAGER
5. SUBCONTRACTORS
6. CONSTRUCTION BY OWNER OR BY SEPARATE CONTRACTORS
7. CHANGES IN THE WORK
8. TIME
9. PAYMENTS AND COMPLETION
10. PROTECTION OF PERSONS AND PROPERTY
11. INSURANCE AND BONDS
12. UNCOVERING AND CORRECTION OF WORK
13. MISCELLANEOUS PROVISIONS
14. TERMINATION OR SUSPENSION OF THE CONTRACT
15. CLAIMS AND DISPUTES

STATE OF DELAWARE

DIVISION OF FACILITIES MANAGEMENT

ARTICLE 1: GENERAL PROVISIONS

1.1 BASIC DEFINITIONS

1.1.1 THE CONTRACT DOCUMENTS

Delete the last sentence in its entirety and replace it with the following:

“The Contract Documents also include Advertisement for Bid, Instructions to Bidder, sample forms, the Bid Form, the Contractor’s completed Bid and the Award Letter.”

1.2 CORRELATION AND INTENT OF THE CONTRACT DOCUMENTS

Add the following Paragraphs:

1.2.4 In the case of an inconsistency between the Drawings and the Specifications, or within either document not clarified by addendum, the better quality or greater quantity of work shall be provided in accordance with the Architect’s interpretation.

1.2.5 The word “PROVIDE” as used in the Contract Documents shall mean “FURNISH AND INSTALL” and shall include, without limitation, all labor, materials, equipment, transportation, services and other items required to complete the Work.

1.2.6 The word “PRODUCT” as used in the Contract Documents means all materials, systems and equipment.

1.5 OWNERSHIP AND USE OF DRAWINGS, SPECIFICATIONS AND OTHER INSTRUMENTS OF SERVICE

Delete Paragraph 1.5.1 in its entirety and replace it with the following:

“All pre-design studies, drawings, specifications and other documents, including those in electronic form, prepared by the Architect under this Agreement are, and shall remain, the property of the Owner whether the Project for which they are made is executed or not. As for the Project for which the Architect is hired, the Architect still remain liable for any claim relating to the design that arises from the Project.

However, such documents may be used by the Owner to construct one or more like projects without the approval of, or additional compensation to, the Architect. The Contractor, Subcontractors, Sub-subcontractors and Material or Equipment Suppliers are authorized to use and reproduce applicable portions of the Drawings, Specifications and other documents prepared by the Architect and the Architect’s consultants appropriate to and for use in the execution of their Work under the Contract Documents. They are not to be used by the Contractor or any Subcontractor, Sub-subcontractor or Material and Equipment Supplier on other Projects or for additions to this Project outside the scope of the Work without the specific written consent of the Owner, Architect and Architect’s consultants.

STATE OF DELAWARE

DIVISION OF FACILITIES MANAGEMENT

The Architect shall not be liable for injury or damage resulting from the re-use of drawings and specifications if the Architect is not involved in the re-use Project.”

1.6 NOTICE

1.6.1 Insert the following sentence at the end of the paragraph:

“Electronic mail, also known as email, is an acceptable form of electronic transmission of notices under this Agreement.”

1.7 DIGITAL DATA USE AND TRANSMISSION

Delete Paragraph 1.7 in its entirety and replace it with the following:

1.7 “The parties shall agree upon protocols governing the transmission and use of, and reliance on, Instruments of Service or any other information or documentation in digital form. The parties will use AIA Document E203™-2013 Building Information Modeling and Digital Data Exhibit, to establish the protocols for the development, use, transmission and exchange of digital data.”

1.8 BUILDING INFORMATION MODELS USE AND RELIANCE

Delete Paragraph 1.8 in its entirety and replace it with the following:

1.8 “Any use of, or reliance on, all or a portion of a building information model without agreement to protocols governing the use of, and reliance on, the information contained in the model and without having those protocols set forth in AIA Document E203™-2013, Building Information Modeling and Digital Data Exhibit, and the requisite AIA Document G202™-2013, Project Building Information Modeling Protocol Form, shall be at the using or relying party’s sole risk and without liability to the other party and its contractors or consultants, the authors of, or contributors to, the building information model, and each of their agents and employees.”

ARTICLE 2: OWNER

2.1 General

2.1.2 Delete Paragraph 2.1.2 in its entirety.

2.2 EVIDENCE OF OWNER’S FINANCIAL ARRANGEMENT

2.2.1 Delete the second sentence in this paragraph and replace with the following: “The Contractor shall have no obligation to commence the Work until the Owner issues a Purchase Order for the Project.”

2.2.2 Delete the last three sentences in this paragraph.

STATE OF DELAWARE

DIVISION OF FACILITIES MANAGEMENT

ARTICLE 3: CONTRACTOR**3.2 REVIEW OF CONTRACT DOCUMENTS AND FIELD CONDITIONS BY CONTRACTOR**

3.2.4 Delete the third sentence in Paragraph 3.2.4.

3.3 SUPERVISION AND CONSTRUCTION PROCEDURES

Add the following Paragraphs:

3.3.2.1 The Contractor shall immediately remove from the Work, whenever requested to do so by the Owner, any person who is considered by the Owner or Architect to be incompetent or disposed to be disorderly, or who for any reason is not satisfactory to the Owner, and that person shall not again be employed on the Work without the consent of the Owner or the Architect.

3.3.4 The Contractor must provide suitable storage facilities at the Site, or an alternative site as approved by the Owner, for the proper protection and safe storage of their materials. Consult the Owner and the Architect before storing any materials.

3.3.5 When any room is used as a shop, storeroom, office, etc., by the Contractor or Subcontractor(s) during the construction of the Work, the Contractor making use of these areas will be held responsible for any repairs, patching or cleaning arising from such use.

3.4 LABOR AND MATERIALS

3.4.1.1 Add a new section 3.4.1.1:

“The Contractor, at their expense shall bear the costs to accurately identify the location of all underground utilities in the area of their excavation and shall bear all cost for any repairs required, out of failure to accurately identify said utilities.”

Add the Following Paragraphs:

3.4.4 Before starting the Work, each Contractor shall carefully examine all preparatory Work that has been executed to receive their Work. Check carefully, by whatever means are required, to insure that its Work and adjacent, related Work, will finish to proper contours, planes and levels. Promptly notify the General Contractor/Construction Manager of any defects or imperfections in preparatory Work which will in any way affect satisfactory completion of its Work. Absence of such notification will be construed as an acceptance of preparatory Work and later claims of defects will not be recognized.

3.4.5 Under no circumstances shall the Contractor's Work proceed prior to preparatory Work having been completely cured, dried and/or otherwise made satisfactory to receive this Work. Responsibility for timely installation of all materials rests solely with the Contractor responsible for that Work, who shall maintain coordination at all times.

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3.5 WARRANTY

Add the following Paragraphs:

- 3.5.3 The Contractor will warrant all materials and workmanship against original defects, except injury from proper and usual wear when used for the purpose intended, for two years after Substantial Completion of the project in accordance with Section 9.8.4 of this Agreement, and will maintain all items in condition that conforms with the Contract Documents during the period of warranty.
- 3.5.4 Non-conforming work during the period of warranty will be corrected by the Contractor at its expense upon demand of the Owner, it being required that the Work conforms to the Contract Documents at the expiration of the warranty period.
- 3.5.5 In addition to the General Warranty there are other warranties required for certain items for different periods of time than the two years as above and are particularly so stated in that part of the specifications referring to same. The said warranties will commence at the same time as the General Warranty.
- 3.5.6 If the Contractor fails to remedy any failure, defect or damage within a reasonable time after receipt of notice, the Owner will have the right to replace, repair, or otherwise remedy the failure, defect or damage at the Contractor's expense.

3.7 PERMITS, FEES, NOTICES, AND COMPLIANCE WITH LAWS

Delete Paragraph 3.7.3 in its entirety and replace it with the following:

- 3.7.3 "If the Contractor performs Work knowing it to be contrary to applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities (or if the Contractor reasonably should have known through the exercise of due diligence during the performance of the Work), the Contractor shall assume appropriate responsibility for such Work and shall bear the costs, damages, losses, expenses, fee, fines and penalties attributable to correction."

Delete Paragraph 3.7.4 in its entirety and replace it with the following:

- 3.7.4 Concealed or Unknown Conditions. If the Contractor encounters conditions at the site that are (1) subsurface or otherwise concealed physical conditions that differ materially from those indicated in the Contract Documents or (2) unknown physical conditions of an unusual nature that differ materially from those ordinarily found to exist and generally recognized as inherent in construction activities of the character provided for in the Contract Documents, and in either case were not susceptible to discovery by the Contractor, through the exercise of due diligence prior to the execution of the Contract, the Contractor shall promptly provide notice to the Owner, Construction Manager, and the Architect before conditions are disturbed and in no event later than 14 days after first observance of the conditions. The Architect and Construction Manager will

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promptly investigate such conditions and, if the Architect, in consultation with the Construction Manager, determines that they differ materially, were not susceptible to discovery by the Contractor through the exercise of due diligence prior to the execution of the Contract and cause an increase or decrease in the Contractor's cost of, or time required for, performance of any part of the Work, will recommend that an equitable adjustment be made in the Contract Sum or Contract Time, or both. If the Architect, in consultation with the Construction Manager, determines that the conditions at the site are not materially different from those indicated in the Contract Documents and that no change in the terms of the Contract is justified, the Architect shall promptly notify the Owner, Construction Manager, and Contractor, stating the reasons. If the Owner or Contractor disputes the Architect's determination or recommendation, either party may submit a Claim as provided in Article 15.

3.11 DOCUMENTS AND SAMPLES AT THE SITE

Add the following Paragraphs:

- 3.11.1 During the course of the Work, the Contractor shall maintain a record set of drawings on which the Contractor shall mark the actual physical location of all piping, valves, equipment, conduit, outlets, access panels, controls, actuators, including all appurtenances that will be concealed once construction is complete, etc., including all invert elevations.
- 3.11.2 At the completion of the project, the Contractor shall obtain a set of reproducible drawings from the Architect, and neatly transfer all information outlined in 3.11.1 to provide a complete record of the as-built conditions.
- 3.11.3 The Contractor shall provide two (2) prints of the as-built conditions, along with the reproducible drawings themselves, to the Owner and one (1) set to the Architect. In addition, attach one complete set to each of the Operating and Maintenance Instructions/Manuals. Provide the same information in digital format.

3.15 CLEANING UP

3.15.2 Strike sentence in its entirety and replace with the following:

"If the Contractor fails to clean up as provided in the Contract Documents, the Owner, or Construction Manager with the Owner's approval, may do so and the Owner shall withhold the amount that reflects the cost of the cleanup from any moneys owed the Contractor. If the cost of cleanup exceeds the moneys owed to the Contractor, the Owner shall be entitled to reimbursement from the Contractor for the amount exceeding what is withheld.

3.17 In the second sentence of 3.17, insert "indemnify and" between "shall" and "hold".

ARTICLE 4: ARCHITECT AND CONSTRUCTION MANAGER

4.2 Administration of the Contract

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Delete the first sentence of Paragraph 4.2.11 and replace with the following:

The Architect will review and approve or take other appropriate action upon the Contractor's submittals such as Shop Drawings, Product Data and Samples for the purpose of checking for conformance with the Contract Documents.

Delete the second sentence of Paragraph 4.2.11 and replace with the following:

The Architect's action will be taken with such reasonable promptness as to cause no delay in the Work in the activities of the Owner, Contractor or separate Contractors, while allowing sufficient time in the Owner's professional judgment to permit adequate review.

Add the following to Paragraph 4.2.17:

There will be no full-time Project representative provided by the Owner or Architect on site for this Project.

Add to Paragraph 4.2.20 "and in compliance with all applicable codes, regulations and ordinances." to the end of the sentence.

ARTICLE 5: SUBCONTRACTORS**5.2 AWARD OF SUBCONTRACTS AND OTHER CONTRACTS FOR PORTIONS OF THE WORK**

Delete Paragraph 5.2.3 in its entirety and replace with the following:

5.2.3 If the Owner, Architect or Construction Manager has reasonable objection to a person or entity proposed by the Contractor, the Contractor shall propose another to whom the Owner, Architect or Construction Manager has no reasonable objection, subject to the statutory requirements of 29 Delaware Code § 6962(d)(10)b.3 and 4.

ARTICLE 6: CONSTRUCTION BY OWNER OR BY SEPARATE CONTRACTORS**6.1 OWNER'S RIGHT TO PERFORM CONSTRUCTION AND TO AWARD SEPARATE CONTRACTS**

6.1.1 Delete "and waiver of subrogation" from the last sentence.

6.1.3 Delete Paragraph 6.1.3 in its entirety and replace with the following:

"When separate contracts are awarded for different portions of the Project or other construction or operations on the site, the term "Contractor" in the Contract Documents in each case shall mean the Constructor who executes each separate Owner-Contractor Agreement."

6.2 MUTUAL RESPONSIBILITY

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6.2.3 In the second sentence, strike the word “shall” and insert the word “may”.

ARTICLE 7: CHANGES IN THE WORK

(SEE ARTICLE 7: CHANGES IN WORK IN THE GENERAL REQUIREMENTS)

ARTICLE 8: TIME**8.2 PROGRESS AND COMPLETION**

Add the following Paragraphs:

8.2.1.1 Refer to Specification Section CONSTRUCTION SCHEDULE for Contract time requirements.

8.2.4 If the Work falls behind the Progress Schedule as submitted by the Contractor, the Contractor shall employ additional labor and/or equipment necessary to bring the Work into compliance with the Progress Schedule at no additional cost to the Owner.

8.3 DELAYS AND EXTENSION OF TIME

Delete Paragraph 8.3.1 in its entirety and replace it with the following:

8.3.1 “If the Contractor is delayed at any time in the commencement or progress of the Work by (1) an act or neglect of the Owner, Architect, Construction Manager, or an employee of any of them, or of the Owner’s own forces, Separate Contractors, or other Contractors; (2) by changes ordered in the Work by Owner and not as a result of any acts, omissions or breaches on the part of the Contractor or Subcontractor; (3) by labor disputes, fire, unusual delay in deliveries, unavoidable casualties, adverse weather conditions documented in accordance with Section 15.1.6.2, or other causes beyond the Contractor’s control; (4) by delay authorized by the Owner pending mediation and remedies at law or in equity; or (5) by other causes that the Contractor asserts and the Architect, based on the recommendation of the Construction Manager, determines justify delay, then the Contract Time shall be extended for such reasonable time as the Architect may determine, in consultation with Owner.”

Add the following Paragraph:

8.3.2.1 The Contractor shall update the status of the suspension, delay, or interruption of the Work with each Application for Payment. (The Contractor shall report the termination of such cause immediately upon the termination thereof.) Failure to comply with this procedure shall constitute a waiver for any claim for adjustment of time or price based upon said cause.

Delete Paragraph 8.3.3 in its entirety and replace it with the following:

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- 8.3.3 Except in the case of a suspension of the Work directed by the Owner, an extension of time under the provisions of Paragraph 8.3.1 shall be the Contractor's sole remedy in the progress of the Work and there shall be no payment or compensation to the Contractor for any expense or damage resulting from the delay.

Add the following Paragraph:

- 8.3.4 By permitting the Contractor to work after the expired time for completion of the project, the Owner does not waive its rights under the Contract.

- 8.3.5 The parties agree that Paragraph 8.3.3 of the Supplementary General Conditions does not apply to the Construction Manager in the event of a delay caused by a party other than the Construction Manager.

ARTICLE 9: PAYMENTS AND COMPLETION

9.1 CONTRACT SUM

Delete Paragraph 9.1.1 in its entirety and replace it with the following

- 9.1.1 "The Contract Sum is stated in the Agreement and, including authorized adjustments as are expressly permitted by the terms of the Contract Documents and reflected in a fully executed Change Order, is the total amount payable by the Owner of the Contract for performance of the Work under the Contract Documents."

- 9.1.2 Strike Section 9.1.2 in its entirety.

9.2 SCHEDULE OF VALUES

Add the following Paragraphs:

- 9.2.1 The Schedule of Values shall be submitted into Building Blok (EDiS' web-based project management software, using AIA Document G702, Continuation Sheet to G703.

9.3 APPLICATIONS FOR PAYMENT

- 9.3.1 Change the duration in the first sentence from fifteen (15) days to thirty (30) days

Delete Paragraph 9.3.1.1 in its entirety and replace it with the following:

- 9.3.1.1 "As provided in Section 7.3.9, such applications may include requests for payment on account of changes in the Work that have been properly authorized by Construction Change Directives, but not yet included in Change Orders."

Add the following Paragraph:

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- 9.3.1.3 Application for Payment shall be submitted into Building Blok (EDiS' web-based project management software, on AIA Document G702 "Application and Certificate for Payment", supported by AIA Document G703 "Continuation Sheet". Said Applications shall be fully executed and notarized.

Add the following Paragraphs:

- 9.3.4 Until Closeout Documents have been received and outstanding items completed the Owner will pay 95% (ninety-five percent) of the amount due the Contractor on account of progress payments.
- 9.3.5 The Contractor shall provide a current and updated Progress Schedule to the Architect with each Application for Payment. Failure to provide Schedule will be just cause for rejection of Application for Payment.

9.4 CERTIFICATES FOR PAYMENT

Delete Paragraph 9.4.1 in its entirety and replace it with the following

- 9.4.1 "Where there is only one Contractor, the Construction Manager will, within seven days after the Construction Manager's receipt of the Contractor's Application for Payment, review the Application, certify the amount the Construction Manager determines is due the Contractor subject to any deduction for Supplemental Work Costs incurred by Owner as provided in section 1.423, and forward the Contractor's Application and Certificate for Payment to the Architect. Within seven days after the Architect receives the Contractor's Application for Payment from the Construction Manager, the Architect will either (1) issue to the Owner a Certificate for Payment, in the full amount of the Application for Payment, with a copy to the Construction Manager; or (2) issue to the Owner a Certificate for Payment for such amount as the Architect determines is properly due, and notify the Construction Manager and Owner of the Architect's reasons for withholding certification in part as provided in Section 9.5.1; or (3) withhold certification of the entire Application for Payment, and notify the Construction Manager and Owner of the Architect's reason for withholding certification in whole as provided in Section 9.5.1. The Construction Manager will promptly forward to the Contractor the Architect's notice of withholding certification."

Delete Paragraph 9.4.2.1 in its entirety and replace it with the following

- 9.4.2.1 "Within seven days after the Architect receives the Project Application and Project Certificate for Payment and the Summary of Contractors' Applications for Payment from the Construction Manager, the Architect will either (1) issue to the Owner a Project Certificate for Payment, with a copy to the Construction Manager; or (2) issue to the Owner a Project Certificate for Payment for such amount as the Architect determines is properly due (including any reduction for any Supplemental Work Costs that the Owner is entitled to be reimbursed for under Section 14.2.3), and notify the Construction Manager and Owner of the Architect's reasons for withholding certification in part as provided in Section 9.5.1; or (3) withhold certification of the entire Project Application for Payment,

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and notify the Construction Manager and Owner of the Architect's reason for withholding certification in whole as provided in Section 9.5.1. The Construction Manager will promptly forward the Architect's notice of withholding certification to the Contractors."

9.5 DECISIONS TO WITHHOLD CERTIFICATION

9.5.1 Add to the end of item .4 the words "(including any Supplemental Work)"

9.5.1 Delete the word "repeated" from item .7

Add the following to 9.5.1:

- .8 failure to provide a current Progress Schedule;
- .9 a lien or attachment is filed;
- .10 failure to comply with mandatory requirements for maintaining Record Documents.
- .11 the Work has not been approved by the applicable governmental bodies or agencies, as required by the statute, code or ordinance or other contract or agreement with such governmental bodies or agencies; or
- .12 the Owner has not received all requested or required lien releases from Contractor and its Subcontractors.

9.6 PROGRESS PAYMENTS

Delete Paragraph 9.6.1 in its entirety and replace with the following:

- 9.6.1 After the Architect and the Construction Manager have approved and issued a Certificate for Payment, payment shall be made by the Owner within 45 days after Owner's receipt of the Certificate for Payment.
- 9.6.8 Strike "Provided the Owner has fulfilled its payment obligations under the Contract Documents, the" and replace with "The".

9.7 FAILURE OF PAYMENT

In first sentence, strike the first reference to "seven" and insert "forty-five (45)". Also strike "binding dispute resolution" and insert "remedies at law or in equity".

9.8 SUBSTANTIAL COMPLETION

Delete Paragraph 9.8.1 in its entirety and replace it with the following:

- 9.8.1 "Substantial Completion is the stage in the progress of the Work when the Work or designated portion thereof is sufficiently complete in accordance with the Contract Documents so the Owner can occupy or utilize the Work for its intended use, including without limitation, a final an unconditional certificate of occupancy as required by the applicable governmental bodies as a condition to the use and occupancy of the Work for its intended use.."
- 9.8.5 In the second sentence, strike "shall" and insert "may".

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ARTICLE 10: PROTECTION OF PERSONS AND PROPERTY

10.1 SAFETY PRECAUTIONS AND PROGRAMS

Add the following Paragraphs:

10.1.1 Each Contractor shall develop a safety program in accordance with the Occupational Safety and Health Act of 1970. A copy of said plan shall be furnished to the Owner and Architect prior to the commencement of that Contractor's Work.

10.1.2 Each Contractor shall appoint a Safety Representative. Safety Representatives shall be someone who is on site on a full-time basis. If deemed necessary by the Owner or Architect, Contractor Safety meetings will be scheduled. The attendance of all Safety Representatives will be required. Minutes will be recorded of said meetings by the Contractor and will be distributed to all parties as well as posted in all job offices/trailers etc.

10.2 SAFETY OF PERSONS AND PROPERTY

Add the following Paragraph:

10.2.4.1 As required in the Hazardous Chemical Act of June 1984, all vendors supplying any material that may be defined as hazardous must provide Material Safety Data Sheets for those products. Any chemical product should be considered hazardous if it has a caution warning on the label relating to a potential physical or health hazard, if it is known to be present in the workplace, and if employees may be exposed under normal conditions or in foreseeable emergency situations. Material Safety Data Sheets shall be provided directly to the Owner or its designee, along with the shipping slips that include those products.

10.3 HAZARDOUS MATERIALS

Delete Paragraph 10.3.3 in its entirety.

Delete Paragraph 10.3.5 in its entirety and replace it with the following

10.3.5 "The contractor shall reimburse the Owner for the cost and expense the Owner incurs (1) for remediation of hazardous materials or substances the Contractor brings to the site and/or which requires remediation as a result of the tortious acts or omissions or breach of the Contract Documents by Contractor or its Subcontractors or (2) where the Contractor fails to perform its obligations under Section 10.2.1, except to the extent that the cost and expense are due to the Owner's fault or negligence."

Delete Paragraphs 10.3.6 in its entirety.

ARTICLE 11: INSURANCE AND BONDS

11.1 CONTRACTOR'S INSURANCE AND BONDS

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11.1.1 Strike "Owner," at the beginning of the third sentence.

11.1.2 Add the following sentence at the end of the paragraph: "The bonds will conform to those forms approved by the Office of Management and Budget."

11.2 OWNER'S INSURANCE

Delete Paragraph 11.2 in its entirety and replace with the following:

11.2 The Owner will not provide Builder's All Risk Insurance for the Project. The Construction Manager will provide Builder's All Risk Insurance for the Project. The Contractor and all Subcontractors shall provide coverage for materials, fixtures and/or equipment being used in the construction or renovation of a building or structure should those items sustain physical loss or damage from a covered cause. Any mandatory deductible required by the Contractor's Insurance shall be the responsibility of the Contractor.

11.3 WAIVERS OF SUBROGATION

Delete Paragraph 11.3 and its subparagraphs in their entirety.

11.4 LOSS OF USE, BUSINESS INTERRUPTION, AND DELAY IN COMPLETION INSURANCE

Delete Paragraph 11.4 in its entirety.

11.5 ADJUSTMENT AND SETTLEMENT OF INSURED LOSS

Delete Paragraph 11.5 in its entirety.

ARTICLE 12: UNCOVERING AND CORRECTION OF WORK

12.2 CORRECTION OF WORK

12.2.1 BEFORE SUBSTANTIAL COMPLETION

Add the following sentence to the end of the Paragraph:

"Contractor shall be solely responsible for the cost and expense for all damages to installed Work and property resulting from correcting any rejected Work."

12.2.2 AFTER SUBSTANTIAL COMPLETION

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12.2.2.1 In the first sentence, strike “within one year after the date of Substantial Completion of the Work or designated portion thereof” and replace with “within two years after the date of Substantial Completion of the Project in accordance with Section 9.8.4 of this Agreement or designated portion thereof”.

12.2.2.1 In the third sentence of the paragraph, strike “one year period” and replace it with “two year period”.

Add the following Paragraph:

12.2.2.1.1 At any time during the progress of the Work, or in any case where the nature of the defects will be such that it is not expedient to have corrected, the Owner, at its option, will have the right to deduct such sum, or sums, of money from the amount of the Contract as it considers justified to adjust the difference in value between the defective work and that required under contract including any damage to the structure.

12.2.2.2 Strike “one” and insert “two”.

12.2.2.3 Strike “one” and insert “two”.

12.2.5 In second sentence, strike “one” and insert “two”.

ARTICLE 13: MISCELLANEOUS PROVISIONS**13.1 GOVERNING LAW**

13.1 Strike the second sentence in its entirety.

13.5 INTEREST

13.5 Strike 13.5 in its entirety and replace with the following:
"Payments are due 45 days after receipt of a valid Application for Payment. After that 30 day period, interest may be charged at the rate of 1% per month not to exceed 12% per annum."

Add the following Paragraph:

13.6 CONFLICTS WITH FEDERAL STATUTES OR REGULATIONS

13.6.1 If any provision, specifications or requirement of the Contract Documents conflict or is inconsistent with any statute, law or regulation of the government of the United State of America, the Contractor shall notify the Architect and Owner immediately upon discovery.

ARTICLE 14: TERMINATION OR SUSPENSION OF THE CONTRACT

Revise the title of Paragraph 14.2 to be

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14.2 TERMINATION AND OTHER CORRECTIVE ACTIONS BY THE OWNER FOR CAUSE

Delete Paragraph 14.2.1 in its entirety and replace it with the following

- 14.2.1 The Owner may terminate all or any portion(s) of the Contract and/or take corrective actions to supplement, as needed, labor, materials and equipment with respect to any portions of the Work, as applicable, from time to time, if the Contractor
- .1 refuses or fails to supply enough properly skilled workers or proper materials or equipment;
 - .2 fails to make payment to Subcontractors or suppliers in accordance with the respective agreements between the Contractor and the Subcontractors or suppliers;
 - .3 disregards applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of a public authority;
 - .4 otherwise is guilty of substantial breach of a provision of the Contract Documents;
 - .5 becomes bankrupt, insolvent, or unable or unwilling to pay its debts as they become due;
 - .6 fails to perform the Work in accordance with the Contract Documents;
 - .7 fails to promptly correct defective or rejected Work.

Delete Paragraph 14.2.2 in its entirety and replace it with the following:

- 14.2.2 When any of the reasons described in Section 14.2.1 exist, after consultation with the Construction Manager, and upon certification by the Architect that sufficient cause exists to justify such action, the Owner may, without prejudice to any other rights or remedies of the Owner and after giving the Contractor and the Contractor's surety, if any, seven days' notice, terminate employment of the Contractor with respect to all or any portion(s) of the Contract and/or supplement as needed labor, materials, and equipment for those portions of the Work that is not terminated, and may, subject to any prior rights of the surety:
- .1 Exclude the Contractor from the applicable portions of the site and take possession of all materials, equipment, tools, and construction equipment and machinery thereon owned by the Contractor with respect to the portion(s) of the Contract that are being terminated;
 - .2 Accept assignment of subcontracts pursuant to Section 5.4;
 - .3 Finish the Work that is being terminated by whatever reasonable method the Owner may deem expedient. Upon written request of the Contractor, the Owner shall furnish to the Contractor a detailed accounting of the costs incurred by the Owner in finishing the Work; and
 - .4 Supplement the labor, materials, and/or equipment for those portions of the Work that is not terminated by whatever reasonable method the Owner may deem expedient, in the event the Contractor refuses or fails to supply enough properly skilled workers or proper material or equipment with respect to any portion of the Work (the "Supplement Work"). Upon written request of the Contractor, the Owner shall furnish to the Contractor a detailed accounting of the costs and expenses incurred by the Owner in connection of any Supplemental Work (the "Supplemental Work Costs").

Delete Paragraph 14.2.3 in its entirety and replace it with the following

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- 14.2.3 “When the Owner terminates the Contract for one of the reasons stated in Section 14.2.1, the Contractor shall not be entitled to receive further payment until the Work is finished. In addition, notwithstanding anything contained in the Contract Documents to the contrary, any Supplemental Work Costs, at the sole discretion of Owner and upon notice to the Construction Manager, Architect and Contractor, may be deducted from the sums otherwise deemed to be due Contractor in an approved Application for Payment, from time to time until Owner is reimbursed for all such Supplemental Work Costs.”

Delete Paragraph 14.2.4 in its entirety and replace it with the following

- 14.2.4 “If the unpaid balance of the Contract Sum exceeds costs and expenses of finishing the Work, including compensation for the Construction Manager’s, Owner’s, and Architect’s reasonable administrative services as well as attorney’s services, fees, costs, and expenses made necessary thereby, and other damages incurred by the Owner and not expressly waived, such excess shall be paid to the Contractor. If such costs and damages exceed the unpaid balance, the Contractor shall pay the difference to the Owner. The amount to be paid to the Contractor or Owner, as the case may be, shall, upon application, be certified by the Initial Decision Maker after consultation with the Construction Manager, and this obligation for payment shall survive termination of the Contract. In the event of termination by the Owner for Cause and/or obtaining Supplemental Work and incurring Supplemental Work Costs under this Article 14, Contractor shall reimburse Owner for all reasonable attorney’s fees incurred by Owner in connection with enforcing any and all of the Owner’s rights and remedies under the Contract Documents.”

14.4 TERMINATION BY THE OWNER FOR CONVENIENCE

Delete Paragraph 14.4.3 in its entirety and replace with the following:

- 14.4.3 In case of such termination for the Owner’s convenience, the Contractor shall be entitled to receive payment for Work executed, and cost incurred by reason of such termination along with reasonable overhead.

ARTICLE 15: CLAIMS AND DISPUTES

15.1.2 TIME LIMITS ON CLAIMS.

- 15.1.2 Strike “in accordance with the requirements of the binding dispute resolution method selected in the Agreement and” from the first sentence.
Strike the second sentence in its entirety.

15.1.4 CONTINUING CONTRACT PERFORMANCE

- 15.1.4.2 Strike in its entirety.

Delete Paragraph 15.1.5 in its entirety and replace it with the following

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15.1.5 “Claims for Additional Cost. If the Contractor wishes to make a Claim for an increase in the Contract Sum, and provided such claim is permitted by the express terms of the Contract Documents, notice as provided in Section 15.1.3 shall be given before proceeding to execute the portion of the Work that is the subject of the Claim. Prior notice is not required for Claims relating to an emergency endangering life or property arising under Section 10.4.”

15.1.7 CLAIMS FOR CONSEQUENTIAL DAMAGES

Delete Paragraph 15.1.7 and its subparagraphs in their entirety.

15.2 INITIAL DECISION

15.2.1 Delete “and binding dispute resolution”

15.2.5 Delete in its entirety and replace with the following:

15.2.5 The Architect will approve or reject Claims by written decision, which shall state the reasons therefore and shall notify the parties of any change in the Contract Sum or Contract Time or both. The approval or rejection of a Claim by the Architect shall be subject to mediation and other remedies at law or in equity.

Delete Paragraph 15.2.6 and its subparagraphs in their entirety.

15.3 MEDIATION

15.3.1 Strike “binding dispute resolution” and insert “any or all remedies at law or in equity”.

15.3.2 In the first sentence, delete “administered by the American Arbitration Association in accordance with its Construction Industry Mediation Procedure in effect on the date of the Agreement,”. Also strike “binding dispute resolution” and insert “remedies at law and in equity”.

15.3.3 Strike in its entirety.

15.4 ARBITRATION

Delete Paragraph 15.4 and its subparagraphs in their entirety.

END OF SUPPLEMENTARY GENERAL CONDITIONS

SECTION 011100 - SUMMARY OF WORK

1. RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Sections, apply to work of this Section.

2. CONTRACTS

- A. The work will be performed under separate prime contracts managed by the Construction Manager.

3. ALTERATIONS & COORDINATION

- A. Contractor shall be responsible to coordinate their work with the work of others, including, but not limited to, the preparation of general coordination drawings, diagrams and schedules, and control of site utilization, from the beginning of activity, through project close-out and warranty periods.

4. KNOWLEDGE OF CONTRACT REQUIREMENTS

- A. The Contractor and his Subcontractors, Sub-subcontractors and material men shall consult in detail the Contract Documents for instructions and requirements pertaining to the Work, and at his and their cost, shall provide all labor, materials, equipment and services necessary to furnish, install and complete the work in strict conformance with all provisions thereof.
- B. The Contractor will be held to have examined the site of the Work prior to submitting his proposal and informed himself, his Subcontractors, Sub-subcontractors and material men of all existing conditions affecting the execution of the Work.
- C. The Contractor will be held to have examined the Contract Documents and modifications thereto, as they may affect subdivisions of the Work and informed himself, his Subcontractors, Sub-subcontractors and material men of all conditions thereof affecting the execution of the Work.
- D. The Scope of Work for the Contract is not necessarily limited to the description of each section of the Specifications and the illustrations shown on the Drawings. Include all minor items not expressly indicated in the Contract Documents, or as might be found necessary as a result of field conditions, in order to complete the Work as it is intended, without any gaps between the various subdivisions of work.
- E. The Contractor will be held to be thoroughly familiar with all conditions affecting labor in the area of the Project including, but not limited to, Unions, incentive pay, procurements, living, parking and commuting conditions and to have informed his Subcontractors and Sub-subcontractors thereof.

5. CONTRACT DOCUMENTS INFORMATION

- A. The Contract Documents are prepared in accordance with available information as to existing conditions and locations. If, during construction, conditions are revealed at variance with the Contract Documents, notify the Construction Manager immediately, but no more than three (3) days from the day the variance is first known. Failure to give timely notice shall operate to waive any claim Contractor might otherwise have for an adjustment to Contract Time or Sum as a consequence of such variance.
- B. The Specifications determine the kinds and methods of installation of the various materials, the drawings establish the quantities, dimensions and details of materials, the schedules on the drawings give the location, type and extent of the materials.
- C. Dimensions given on the drawings govern scale measurements and large scale drawings govern small scale drawings, except as to anything omitted unless such omission is expressly noted on the large scale drawings.
- D. The techniques or methods of specifying to record requirements varies throughout text, and may include “prescriptive”, “open generic/descriptive”, “compliance with standards”, “performance”, “proprietary”, or a combination of these. The methods used for specifying one unit of work has no bearing on requirements for another unit of work.
- E. Whenever a material, article or piece of equipment is referred to in the singular number in the Contract Documents, it shall be the same as referring to it in the plural. As many such materials, articles or pieces of equipment shall be provided as are required to complete the Work.
- F. Whenever a material, article or piece of equipment is specified by reference to a governmental trade association of similar standard, it shall comply with the requirements of the latest publication thereof and amendments thereto in effect on the bid date.
- G. In addition to the requirements of the Contract Documents, Contractor’s work shall also comply with applicable standards of the construction industry and those industry standards are made a part of Contract Documents by reference, as if copied directly into Contract Documents, or as if published copies were bound herein.
- H. Where compliance with two (2) or more industry standards, contract requirements, or sets of requirements is specified, and overlapping of those different standards or requirements establishes different or conflicting minimums or levels of quality, then the most stringent requirements, which are generally recognized to be also the most costly, is intended and will be enforced, unless specifically detailed language written into the Contract Documents clearly indicates that a less stringent requirement is to be fulfilled. Refer apparently equal but different requirements, and uncertainties as to which level of quality is more stringent, to Architect for decision before proceeding.
- I. Reference standards referenced directly in Contract Documents or by governing regulations have precedence over non-reference standards which are recognized in industry for applicability of

work.

- J. Contractor's bid is based on the complete set of Contract Documents including documents not specifically issued as part of the bid pack but referenced in same.

6. SCOPE OF WORK/GENERAL INFORMATION

- A. A Scope of Work for each contract to be awarded on the project follows in this section. When a Contract has been awarded to a Contractor, the successful Contractor will be listed after the title of the Contract. When no Contract has yet been awarded, no Contractor's name will be listed. Previous Scopes of Work include addendum changes.
- B. Contractor is responsible for performing the work listed in the Summary of Work for his contract. Contractor is also responsible for knowing the work that has been assigned to preceding contracts. No additional compensation or extension of time will be allowed a Contractor due to his ignorance of the work assigned to his Contract or to other contracts which may affect his work. The Contractor is responsible, however, for all items which are covered in the Specifications and Drawings relating to their Contract if not specifically mentioned in the Summary of Work.
- C. The Construction Manager will provide on-site a source for temporary electric, temporary water and portable sanitation facilities only. It is each Contractor's responsibility to make the necessary connections, including all material for temporary electric and water. Please note that utility charges for office trailers will be the responsibility of the individual Contractors.
- D. A dumpster will be provided on site for free use by Contractors to dispose of non-hazardous, common, work-related refuse. Clean-up is the responsibility of each Contractor. Clean up shall be performed on a daily basis. Contractors not complying will be advised in writing and back charged for all costs associated with the cleanup of their work.
- E. Contractors are reminded that there are limited storage areas available on site. Off-site storage will be the responsibility of each individual Contractor.
- F. Office trailer permits off site will be the responsibility of each individual Contractor. On site Contractor's field offices, one (1) per Contractor, if required, will be located as directed by the Construction Manager.
- G. Contractor will be prepared to discuss and submit a detailed project schedule seven (7) days after receipt of Notice to Proceed and to begin its submittal process. The Project Schedule is an integral part of this contract. Certain construction sequences and priorities must take place in order to meet the target dates. Concentrated work periods will occur and each Contractor is responsible to staff the project as required by the current Construction Schedule or as directed by the Construction Manager. Contractor will cooperate with the Construction Manager in planning and meeting the required sequences of work and Project Schedule as periodically updated by the Construction Manager.

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- H. All bids must include insurance limits in accordance with Article 11 of the Section 007300 SUPPLEMENTARY CONDITIONS.
 - I. Hoisting, scaffolding and material handling is the responsibility of each Contractor, unless otherwise noted.
 - J. Contractor will be responsible for layout of its own work. The Construction Manager will provide benchmark and layout of the building line.
 - K. Contractor will be responsible to keep clean public roadways soiled by construction traffic on a daily basis. If cleaning is not done, the Construction Manager may perform the cleaning on an overtime basis and backcharge the Contractor responsible.
 - L. Contractor Scopes of Work and Schedule are interrelated. Familiarity with each is required.
 - M. The Construction Manager will provide testing services for soil, concrete and steel. Other testing as required by the Contract Documents will be in accordance with the technical specifications and/or the individual scope of work. Refer to Specification Section 004500 - QUALITY CONTROL.
 - N. Safety is the responsibility of each individual Contractor. The project will be governed under the guidelines of OSHA.
 - O. Inter-Contractor shop drawing distribution will be performed by the Construction Manager. Contractor is individually responsible for either coordinating his work with these distributed drawings or notifying the Construction Manager, in writing, of any discrepancies.
 - P. Coordination with other trades will be required. The Contractor will be required to attend periodic coordination meetings with other trades where requirements, conflicts and coordination issues will be discussed and resolved. Attendance when requested will be mandatory. If inter-Contractor coordination is not satisfactorily performed, the conflicting Contractors shall mutually share the cost to relocate and/or reinstall their work.
 - Q. Contractor shall submit a schedule of values to the Construction Manager prior to the submission of their first invoice for approval
 - R. Contractor is expected to review and coordinate its Work with the complete set of Contract Documents, including all items noted as by his trade whether or not shown on that particular set of drawings. Documents are available at the site for review.
 - S. Contractor is responsible for obtaining all necessary permits required for his work, including street permits. Unless otherwise noted, building permit shall be secured by the Construction Manager. Any subcontractor who will be restricting access to street, right of way or adjacent property must notify the Construction Manager 48 hours in advance.

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- T. Contractor's License: Submit a copy of all business licenses required by local and state agencies.
- U. Contractor shall absorb, without additional compensation, any and all costs of working beyond normal hours to maintain job progress in accordance with the current construction schedule.
- V. No asbestos or PCB's in or on any material or equipment will be accepted or allowed on this project. All hazardous materials will be treated in accordance with all State and Federal regulations.
- W. Daily cleanup of the work is the responsibility of each individual Contractor which includes broom cleaning of their debris as required. Contractor will be individually back charged by the Construction Manager for clean up not satisfactorily performed by the Contractor.
- X. In the event asbestos is uncovered, the Contractor shall notify the Construction Manager of the areas requiring removal of asbestos. The Construction Manager shall then coordinate the removal with the Owner.
- Y. The Safety Cable System shall not be altered or removed without a written request submitted to the Project Manager with a copy to the Field Manager. It shall be the responsibility of each and every Contractor that is removing or altering the Safety Cable System to maintain the fall protection safety provided by the safety cable and not leave the area unprotected. Each and every Contractor shall be responsible to re-install the Safety Cable System immediately after work is completed. Each and every Contractor shall be responsible to re-install the Safety Cable System in accordance to OSHA standards.
- Z. Normal work hours for this project are from 7:00 a.m. to 3:30 p.m. Any work to be performed outside of these hours must receive prior approval from the Construction Manager. Requests to work beyond normal work hours shall be submitted at least 48 hours prior.
- AA. Contractor is responsible for having a competent project superintendent/foreman on-site during all work performed under its contract.
- AB. In the event the Contractor has non-English speaking employees or subcontractors on the project, they shall have a superintendent or foreman on site, at all times, who speaks English and can communicate with Contractor's employees. Should the Contractor fail to meet this requirement, at any time, Construction Manager may direct all Work to stop until the proper supervision is on site. The Contractor will be responsible for maintaining the project work schedule and make up at its own expense, any delay to the Schedule resulting from the work stoppage.
- AC. Punch List Procedures: Contractor shall be given a copy of the punch list with his appropriate work identified. Contractor shall have nine (9) calendar work days to complete its punch list work. On the 10th day or as determined by the Construction Manager, the Construction Manager shall employ other contractors, as required, to complete any incomplete punch list work and retain from the appropriate Contractors retainage all costs incurred.

AD. Contractor shall provide the necessary safety barricades and railings required to complete their work and comply with all OSHA, local code and contract specifications.

AE. **Prohibition of Using Photographs on EDiS Projects:** The Contractor and all associated subcontractors agrees to not issue any news release or advertising pertaining to the Work or the Project, including references to the Project on the Contractor's/subcontractor website or other social media outlets, without obtaining EDiS' prior written approval, in each instance. The Contractor, for itself, its employees, vendors and subcontractors, agrees to not use the name of the Owner, the Project, EDiS or any photographs, videos, or other images of the Project in connection with any of Contractor's business promotion activities, advertising, website, social media outlets, or operations, without EDiS' prior written approval in each instance.

AF. Where there is a discrepancy in scope assignment between contract documents, the order of precedence will be as follows: Summary of Work, design drawings, design specifications.
(ADDENDUM 4)

CONTRACT NO. A-01 - SITEWORK

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Division 3	Concrete
Section 107500	Flagpoles
Division 22	Plumbing
Division 26	Electrical
Division 31	Earthwork
Division 32	Bases, Ballasts, and Paving
Division 33	Utilities

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide sitework, storm, sanitary and water utilities, concrete and asphalt paving, striping, curbs, walks, signage, exterior concrete steps and ramps, and topsoil/seeding. Exterior slabs and pads shown on the structural plans will be provided by Contract A-03 : Concrete.
 - a. This Contractor shall include in the Base Bid the cost of remobilization, cleaning and tack coating the asphalt base course in order to install the asphalt top coat.
2. Furnish and install all site signage. This includes all traffic, pedestrian and building related signage not mounted on buildings, including fire lane curbing and signage.
3. Provide fire supply piping including fire hydrants and loop. Color code fire hydrants as required by the local jurisdiction based upon water pressure. Provide fire lane striping including painting of adjacent curbs as required by local jurisdiction having authority.
4. Provide site amenities (decorative and steel pipe bollards, bike racks, flagpoles (including bases), manual and automatic gates (including associated gate hardware), benches, etc.). Include excavation and concrete to support these amenities as shown in the project documents and required by manufacturer's instructions.
5. Provide fencing (chain link and ornamental) including gate hardware, and post and cable fencing. Provide louvered gates at the mechanical yard.
6. Provide removal of mock-up wall at Construction Manager's request. Mock-up wall to be disposed of to dumpster supplied by CM.
7. Provide perimeter stormwater drains at all buildings (including within 5' of the building perimeter). Provide downspout adaptors and coordinate with roofer for the correct downspout

size.

8. Provide underground infiltration areas (stormtech system) including flexstorm inserts in all upstream structures with open grates.
9. ~~Furnish and install and maintain concrete wash out areas for other subcontractors and their suppliers for project duration.~~ **Provide, an include all cost, for concrete wash out dumpsters for this contract scopes of work. Concrete dumpsters to include liner to prevent runoff. Include immediate clean-up of all runoff. Concrete wash out station to be dumpster type, include liner. Relocate as required by EDiS.** Remove this item at conclusion of project and complete as indicated on finished drawings. **(ADDENDUM 4)**
10. Furnish and install wash station, labor to wash tires, clean and drain the area as required before vehicles leave the site daily. Clean tires and tracks of all vehicles before leaving the construction site. Wash station will be utilized by other contractors and will be removed by this contractor only when directed by EDiS. Furnish and install Non-freeze Hose Bib, water line, valve box & drainpipe to daylight or plug for the contractor tire wash areas, and for building construction.
11. Provide a temporary water means for other trades to utilize. Include all costs associated with metering from local utilities as well as valves and hoses for contractors to utilize. **Include at (3) locations: (1) truck wash station, (1) masonry mix station, (1) general use.** The Construction Manager will not provide this service. Location is TBD by EDiS. **(ADDENDUM 4)**
12. Provide an allocation, included in base bid, to provide, maintain and remove upon construction manager direction, 2,000' of stoned roadway, 10'-0" wide. Road shall consist of fabric, 10" of #3 stone for the length of the road and the means to compact it. Allocation to include removal of temporary stone road from site upon request from construction manager.
13. Provide an allocation, included in base bid, to provide, maintain and remove upon construction manager direction, a total of 5 temporary crane pads; each a 40'x 40' stoned area. Pads shall consist of fabric, 10" of #3 stone for the area of the pad, and the means to compact it. Allocation to include removal of temporary stone pads from site upon request from construction manager.
14. This Contractor shall provide ~~and maintain~~ all temporary access roads as detailed in Contract Documents, until completion of project. ~~Include snow removal.~~ **Maintenance and snow removal will be covered by the allowance on T&M basis (ADDENDUM 4)**
15. Furnish, install and remove temporary orange construction fencing as required by Construction Manager (including 1,000 linear feet in base bid).
16. Furnish, install, maintain and remove temporary chain link site fencing (include 1,000' in base bid), temporary walks as shown on the site plan. Include driven posts in lawn areas and weighted supports in paved areas. Maintain this work until Substantial Completion.
17. Furnish, install, maintain and remove sediment control system including sediment control plan. Maintain sediment control until substantial completion established by DNREC or another

authority having jurisdiction.

18. Provide, maintain, and remove stabilized site entrances.
19. This Contractor shall visit the site of the proposed work, fully acquaint and familiarize themselves with the conditions as they exist and the character of the operations to be carried out under the proposed Contract, and make such investigation as they may see fit so that they shall fully understand the facilities, physical conditions and restrictions affecting the work under the Contract. Claims for additional compensation and/or extensions of time because of Contractor's failure to familiarize themselves with all conditions which might affect the work shall not be allowed.
20. Street openings made for the shutting off or tapping of utility lines or for any other purpose shall be backfilled, tamped and the surfaces restored in accordance with the requirement of applicable local codes or to match existing; whichever is greater.
21. Provide removal of asphalt paving and excavation of a test pit in outside lane of Delaware Route 7 to locate and determine depth of existing water line. This contractor is to provide access to water company contractors for possible relocation of water line if required. Include all traffic control and safety devices required.
22. Clearing, grubbing and removal of trees, roots and stumps.
23. Topsoil stripping and stockpiling on site. Respread topsoil from the established topsoil stockpiles. Provide temporary stabilization grass seeding at all areas following the completion of construction activities and as required by sequence of construction.
24. Rock excavation work is defined as work consisting of "bedrock and ledgerock removal for structures and trenches that cannot be accomplished without either blasting or using rippers. This work also consists of the use or disposal of such excavated material and backfilling the excavation with suitable material" per DelDOT Standard Specifications dated August 2001.
25. Rock excavation and backfilling for structures and trenches is defined as work consisting of "bedrock and ledgerock removal for structures and trenches that cannot be accomplished without either blasting or using rippers. This work also consists of the use or disposal of such excavated material and backfilling the excavation with suitable material" per DelDOT Standard Specifications dated August 2001.
26. Contractors should carefully review the soil borings as they relate to the extent of rubble to be removed and other man made obstructions. Saw cutting and removal of sidewalks, curbs, etc. in the performance of work is this Contractor's responsibility. Rock excavation (if applicable) will be paid for on a unit price basis.
27. Rough grading for area defined on site drawings for building, lawn areas, bituminous roads, parking and walkways. Preparation of subgrade for building slabs, walks and pavements.

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28. Sitework contractor is to provide rough grading for area defined on site drawings for building, lawn areas, bituminous roads, parking and walkways. Preparation of subgrade for slabs, walks, and pavements. The Sitework Contractor to extend the bulk excavation outside building plan in order to facilitate foundation construction and maintain safety requirements. Written acceptance of the building pad condition will be provided by the concrete contractor before foundation work proceeds. The Concrete Contractor will be responsible for laying out all concrete work as shown on the structural and architectural drawings. Once the Concrete Contractor has accepted this work it will be the responsibility of the Concrete Contractor to maintain and dewater the building pad and all excavations until the concrete work is complete and backfilled. The Concrete Contractor and Sitework Contractor are to coordinate this procedure so that there are no additional costs to the Owner for additional excavation or concrete. Spoils left after backfilling of foundations is complete are to be left outside the building perimeter by the concrete contractor and gathered by the sitework contractor and spread on site.
29. Proof rolling of limit of excavation.
30. Furnish, install and maintain select fill under slab.
31. Provide a certified construction reviewer (CCR) to perform inspections and provide written reports; signed and sealed by a professional engineer.
32. All utilities shall be brought to within +/- 5 feet of the building line by this Contractor. Sitework contractor will bring domestic and fire mains to within 5' of building prior to foundation installation. Sitework contractor will return to extend domestic and fire lines into building to 1' above slab following foundation installation. Sitework contractor will flush water lines following completion of pipe into building.
33. Provide all DelDOT permits related to work for this project. Include all required traffic control plans and drawings.
34. Backfilling as detailed below is the responsibility of this Contractor. Soil types shall be in accordance with Del Dot standard specifications.
35. It is the intent to use on site material and not imported fill. The use of this on site material shall conform with the compaction requirements as specified on Civil drawings and in specification Division 31. If on site material does not meet these requirements, a unit price for imported fill will be used.
36. This is not a balanced site. 20,000 cy of the excess soils will be provided to the upcoming William Penn High School project. This Contract A-01 is to include loading trucks supplied by site contractor at the high school project only (no transport required by this Contract A-01). Contract A-01 is to provide removal of all remaining excess soils from site. **Any variance (over/under) of soils beyond the 20,000 cy will be reimbursed at contract unit rates. (ADDENDUM 3)**
37. Provide all dewatering of excavations until final acceptance. **(Provide dewatering for perimeter**

~~waterproofer.~~ (ADDENDUM 3)

38. Provide perimeter protection of all excavated areas until suitably backfilled.
39. Utilize directional drilling methods where indicated on project documents.
40. Provide all traffic control measures, including flagger, signage, barricades, etc. Secure all permits for work completed within public right-of-way(s). Include demo and removal of all existing structures as noted on project documents.
41. Include demo and removal of all existing structures as noted on project documents.
42. Provide street cleaning of mud etc. on a daily basis **while on site. Provide this service every (2) weeks (ADDENDUM 3)** when this sitework contractor is not working on site.
43. Include all costs for temporary barricades, arrows, pedestrian protection, flagmen, etc. required to complete the work.
44. Site utilities to courtyards, **including irrigation lines as part of this contract (ADDENDUM 3).**
45. Base bid shall include all standard dewatering measures; utilizing trenches, crocks, stone and portable pumping measures. This contractor to provide these measures as required to perform their work. Well pointing if necessary will be handled as a negotiated cost by the Owner.
46. ASPHALT CEMENT COST ADJUSTMENT
 - a. Payments to the Contractor shall be adjusted to reflect increase or decreases in the Delaware Posted Asphalt Cement Price when compared to the Project Asphalt Cement Base Price, as defined in these Special Provisions.
 - b. The Delaware Posted Asphalt Cement Price will be issued monthly by the Department and will be the industry price for Asphalt Cement, F.O.B. Philadelphia, Pennsylvania.
 - c. All deviations of the Delaware Posted Asphalt Cement Price from the Project Asphalt Cement Base Price are eligible for cost adjustment. No minimum increases or decreases or corresponding percentages are required to qualify for cost adjustment.
 - d. Actual quantity of asphalt cement qualifying for any Asphalt Cement Cost Adjustment will be computed on the basis of weight tickets and asphalt percentage from the approved job mix formula.
 - e. For Recycled Hot-Mix the asphalt percentage eligible for cost adjustment shall be only the new asphalt cement added to the mix.
 - f. The Asphalt cement cost adjustment will be calculated on grade PG 64-22 asphalt regardless of the actual grade of asphalt used. The Project Asphalt Cement Base Price for the project will be based on the August 1st price posted on DelDOT's website.
 - g. If the Contractor exceeds the authorized allotted completion time, the price of asphalt cement on the last authorized allotted work day, shall be the prices used for cost adjustment. However, if the industry posted price for asphalt cement goes down, the asphalt cement cost shall be adjusted downward accordingly.

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47. Provide all site survey and layout of this contract work from a licensed surveyor. This work includes, but not limited to, accomplishing cuts and fills, locating utilities, layout of roads and walkways, and establishing site boundaries. Benchmarks and control points will be established by the CM. **Provide all as-builts required by AHJ's. (ADDENDUM 3)**
48. Before ANY excavation work is to commence, the Contractor/Excavator shall contact the utility companies or utility owners and advise them of the proposed work and ask them to mark the location of the underground utility installations. This notification shall be done within established or customary local response times. If the work is on private property and the utility company will not mark out the utilities, the Contractor/Excavator will hire a private locating service to mark the utilities. Once the utilities are located and marked, the Contractor/Excavator will excavate by hand or use a vacuum truck to expose the utilities and record the exact location and elevation of the utilities. The Contractor/Excavator must submit the Excavation Permit to EDiS Company verifying their assurance of communication with the utility companies or utility owners. The Contractor/Excavator must follow State, Local, and Federal Guidelines prior to proceeding with excavations. The Contractor/Excavator will have these marks restored as long as there is work to perform. Once the Contractor has installed new utilities, they will provide to EDiS Company an as-built drawing, within 7 days, showing the exact location and elevation of the utilities. The installing Contractor will be responsible for locating and marking these utilities for other contractors that may have work in the same area. Provide As-built drawings. Maintain an updated red-lined set on-site, available to EDiS upon request.
49. In addition to the insurance specified in Section 006216, this contractor will provide Pollution Insurance, with limits of \$2,000,000 per occurrence and \$2,000,000 aggregate.
50. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
51. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. CSD and EDiS will not be responsible for any lost tools, materials or equipment.
52. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
53. Contractor must provide additional crews as needed to maintain the project schedule.
54. Provide BIM services as detailed in spec section 013700 BIM Execution Plan.
- Even if this contract is not shown to have responsibilities in the BIM execution and coordination, this contract is to include providing a representative at a minimum of six (6) BIM Coordination meetings.
 - The sitework contractor is to provide BIM coordination drawings from the invert of pipes leaving the building (coordinated with the MEP BIM Design) to the first precast enclosure

(manhole, catch basin, etc.)

55. BIM Coordination : This contractor will include \$700 in their bid proposal to pay for the licensing agreement with Revizto for BIM Coordination of all trades.
56. Provide pricing for all alternates as described in Section 012300-Alternates.
- a. Contractor is to guarantee all alternate pricing for 60 days following submission of a bid proposal. Decisions regarding alternate selection is to be made following receipt of all bid packages.
57. Provide a \$50,000 allocation to be used at the discretion of the Construction Manager.
58. Sitework contractor is responsible for removal and disposal of any minor rock excavation as part of this contract. Major rock excavation will be paid for on a unit price basis. Major rock excavation is defined as a solid mineral material that cannot be removed by a Caterpillar 225 with a ¾ cubic yard bucket or boulders in excess of 1 c.y. volume. Boulders may be disposed of on site as directed by the Construction Manager. (ADDENDUM 3)
59. Provide all concrete paving in Courtyards. (ADDENDUM 3)
60. Provide concrete turndown slabs at building entrances. (ADDENDUM 3)
61. Provide Playground Equipment, Outdoor Fitness Equipment, and Site Furnishings as part of Alternates 2A and 3A. (ADDENDUM 3)

CONTRACT NO. A-02 - LANDSCAPING

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Division 3	Concrete
Division 22	Plumbing
Division 26	Electrical
Division 31	Earthwork
Division 32	Bases, Ballasts, and Paving
Division 33	Utilities

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Fertilize topsoil prior to permanent seeding as specified in the geotechnical reports and civil drawings. Topsoil to be spread by Contract A-01 : Sitework. Prior to seeding, this contractor is responsible to have the topsoil tested and to supply and install amenities (fertilizer, lime, etc) as required by the test report. Provide permanent stabilization grass seeding at all areas following the completion of construction activities. This contractor is responsible for all weeding, watering, fertilization, and grass cutting to ensure 100% grass growth in the entirety of these areas until permanent certificate of occupancy is approved.
2. Provide all plant material and all associated work including, but not limited to, staking, watering, weeding, etc.
3. Planting soil mix in beds and topsoil to be provided by the Sitework Subcontractor. Provide all additional soil mix required to set plant materials and final grading.
4. Provide filter fabric, weed, check and mulch.
5. Provide all sod.
6. Provide specified warranties.
7. Provide As-built drawings. Maintain an updated red-lined set on-site, available to EDiS upon request.
8. In addition to the insurance specified in Section 006216, this contractor will provide Pollution Insurance, with limits of \$2,000,000 per occurrence and \$2,000,000 aggregate.
9. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM

and 3:30 PM.

10. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. CSD and EDiS will not be responsible for any lost tools, materials or equipment.
11. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
12. Contractor must provide additional crews as needed to maintain the project schedule.
13. Provide pricing for all alternates as described in Section 012300-Alternates.
 - a. Contractor is to guarantee all alternate pricing for 90 days following submission of a bid proposal. Decisions regarding alternate selection is to be made following receipt of all bid packages.
14. Provide a \$5,000 allocation to be used at the discretion of the Construction Manager.

CONTRACT NO. A-03 - CONCRETE

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Division 3	Concrete
Section 055000	Metal Fabrications
Section 072100	Thermal Insulation
Division 31	Earthwork

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide concrete footings, foundation walls, piers, wall footings, grade beams, slabs on grade, slabs on deck, and all reinforcing steel and welded wire reinforcement.
 - a. Include excavation and backfill.
 - b. Provide concrete infill slab inside the walk-in freezers and refrigerators after freezers and refrigerators have been set in place. Also provide Concrete Fill in the space between the freezers and refrigerator and the surrounding concrete. Coordinate requirements with the Food Service contractor. (ADDENDUM 3)
 - c. Provide concrete footers and piers at exterior brick columns and monumental signage including excavation and backfill after masonry foundation walls are complete.
2. Provide exterior concrete slabs and turndown slabs shown on the structural plans.
3. Provide pipe and backfill for perimeter foundation drains.
4. Provide concrete foundation for Mock up wall as required. Include excavation if required.
5. ~~Set pour stop 2' outside the perimeter of pool, including all pool plumbing and drainage systems.~~ Include separate mobilization to complete the SOG to finish to the pool assembly. (ADDENDUM 3)
6. Provide concrete slab-on-grade in Pool 155 to outside perimeter of pool (deck) drain as shown/dimensioned on Sheet AP101. (ADDENDUM 3)
7. Provide concrete work at monumental sign. Include excavation, concrete footers and piers, and backfill after mason completes below grade masonry installation.
8. Provide concrete stairs on grade and thickened slabs within the building perimeter. Include all excavation and grading necessary to complete this work.

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9. Provide thickened slab footings at all interior CMU walls as required in the Structural Drawings sheet notes.
 - ~~10. Provide excavation, installation, and backfill for the concrete foundations and reinforcing steel associated with the exterior masonry walls at the building entrances.(ADDENDUM 3)~~
 - 11. Provide all precast concrete elements within the building. (ADDENDUM 3)**
 12. Provide all form work, concrete, reinforcement, excavation, etc. required to complete this work.
 13. This Subcontractor will be responsible for laying out all concrete work as shown on the structural and architectural drawings. Coordination of drawings may be required.
 14. This Contractor to furnish and install reinforcing steel, admixtures, curing compound, sealers as required in the Contract Documents.
 15. Provide Perimeter insulation at foundation walls.
 16. Provide dewatering for ~~perimeter foundation~~ waterproofer. **(ADDENDUM 3)**
 17. Underslab vapor barrier, insulation, reglets, waterstops, control and construction joints (including required caulking at control and construction joints).
 18. Placement of related items furnished under other Specification Sections.
 19. Anchor bolts and leveling plates to be installed by this Contractor and furnished by the Structural Steel contractor. Installation within required tolerances. Anchor bolt assemblies to be placed with templates only. Contractor shall supply certified anchor bolt as-built drawings to steel erector for coordination prior to steel placement. Concrete Contractor is responsible to adjust or replace any anchor bolts found to be outside of specified tolerances.
 20. All blockouts and embedments required by plans and specifications.
 21. This Subcontractor to install sleeves in concrete walls furnished by the contractor providing the utility.
 22. This Contractor is responsible for grouting all structural steel base or leveling plates.
 23. This contractor shall include all hot and cold concrete weather materials and practices. This includes, but is not limited to frost protection, hot/cold water additives and admixtures and pumping as required. This Contractor is also responsible for the premiums associated with any added costs for hot water, heated aggregate and all admixtures for cold or hot weather concrete practices.

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24. Coordinate the “Notch” in the concrete slabs to allow for a future Contractor to easily install expansion joint details. Provide depressed slabs where shown for future floor finishes.
 25. Provide concrete fill at steel pan stair treads, landings and associated items.
 26. Provide dewatering after acceptance from Sitework Contractor ~~until re-acceptance by the Sitework Contractor.~~ (ADDENDUM 3)
 27. Provide caulking at Concrete slab control joints, expansion joints, isolation joints, and perimeter slab joints. Provide primers, bond breakers, and joint backers. Clean, prime, and prepare surfaces before application of caulks and sealants in accordance with specifications and manufacturer’s recommendations.
 28. Concrete Contractor will be responsible for laying out all concrete work as shown on the structural and architectural drawings. The sitework contractor is to provide a flat, compacted surface at subgrade prior to the start of foundation layout and installation. Written acceptance of the building pad condition will be provided by the concrete contractor before foundation work proceeds. Once the Concrete Contractor has accepted this work it will be the responsibility of the Concrete Contractor to maintain and dewater the building pad and all excavations until the concrete work is complete and backfilled. The Concrete contractor is to provide access to foundation excavations to the Masonry and waterproofing Contractors for foundation work. Concrete contractor owns dewatering during masonry and waterproofing work and backfill after foundation masonry work is complete. The Concrete Contractor, Masonry Contractor, Roofer, and sitework Contractor are to coordinate this procedure so that there are no additional costs to the Owner for additional excavation or concrete. Spoils left after backfilling of foundations is complete are to be left outside the building perimeter by the concrete contractor and gathered by the sitework contractor and spread on site.
 29. Before ANY excavation work is to commence, the Contractor/Excavator shall contact the utility companies or utility owners and advise them of the proposed work and ask them to mark the location of the underground utility installations. This notification shall be done within established or customary local response times. If the work is on private property and the utility company will not mark out the utilities, the Contractor/Excavator will hire a private locating service to mark the utilities. Once the utilities are located and marked, the Contractor/Excavator will excavate by hand or use a vacuum truck to expose the utilities and record the exact location and elevation of the utilities. The Contractor/Excavator must submit the Excavation Permit to EDiS Company verifying their assurance of communication with the utility companies or utility owners. The Contractor/Excavator must follow State, Local, and Federal Guidelines prior to proceeding with excavations. The Contractor/Excavator will have these marks restored as long as there is work to perform. Once the Contractor has installed new utilities, they will provide to EDiS Company an as-built drawing, within 7 days, showing the exact location and elevation of the utilities. The installing Contractor will be responsible for locating and marking these utilities for other contractors that may have work in the same area.

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30. This contractor is to regrade building subgrade following backfilling of foundation excavation. Building Pad subgrade is to be brought to compaction requirements specified in the project documents. All spoils are to be pushed outside of the building perimeter and will be collected and spread on site by the sitework contractor.
 31. This Contractor is responsible for excavating all stairs and ramps as shown on drawings. This Contractor is also responsible for the backfill of these areas.
 32. Provide and maintain perimeter fall protection at excavated area per OSHA standards.
 33. Equipment bases and foundations shall be the responsibility of the Contractor providing the equipment. This contractor to provide an exterior turn-down slab (5' x 6' x 6") for the new incoming gas service. Final location to be directed by the construction manager.
 34. Asphalt concrete paving and portland cement concrete paving, sidewalks and curbs shall be provided by others.
 35. Prepare concrete SOG at vestibules to proper elevations for walk off mat.
 36. This Contractor shall include the finishing of concrete slabs around floor penetrations throughout all slab areas. These penetrations will consist of electrical boxes, stubbed conduits, mechanical piping and electrical and technology conduit stubs, etc
 37. This Contractor shall also include all work included in finishing the concrete floors to all floor drains and or trench drains. Include all sloping and beveling to create a positive flow to the drains.
 38. Provide all means of transporting concrete including, but not limited to: pump trucks, cranes, ramps, chutes, buggies.
 39. All concrete testing will be completed by the Construction Manager, however, it will be the responsibility of this Contractor to furnish all samples.
 40. Provide off site disposal of all unsuitable excavated materials.
 41. This Contractor shall provide written documentation by a third party testing agency that all concrete slabs are within the tolerance required by the contract documents. Testing and analysis to be paid for by this Contractor.
 42. Provide specified sloping for floor drains/trenches in kitchen, showers, as detailed (Drains to be furnished by Mechanical Contractor.)
 43. This Contractor shall include a minimum of ten additional out of sequence remobilizations for concrete slab installation.
 44. Contractor must provide additional crews as needed to maintain the project schedule.

45. In addition to the insurance specified in Section 006216, this contractor will provide Pollution Insurance, with limits of \$2,000,000 per occurrence and \$2,000,000 aggregate.
46. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
47. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. CSD and EDiS will not be responsible for any lost tools, materials or equipment.
48. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
49. Provide BIM services as detailed in spec section 013700 BIM Execution Plan.
 - a. Even if this contract is not shown to have responsibilities in the BIM execution and coordination, this contract is to include providing a representative at a minimum of six (6) BIM Coordination meetings.
50. BIM Coordination : This contractor will include \$700 in their bid proposal to pay for the licensing agreement with Revizto for BIM Coordination of all trades.
51. Provide pricing for all alternates as described in Section 012300-Alternates.
 - a. Contractor is to guarantee all alternate pricing for 60 days following submission of a bid proposal. Decisions regarding alternate selection is to be made following receipt of all bid packages.
52. Provide a \$30,000 allocation to be used at the discretion of the Construction Manager.
53. **Provide, and include all cost, for concrete wash out dumpsters for this contract scopes of work. Concrete dumpsters to include liner to prevent runoff. Include immediate clean-up of all runoff. Relocate as required by EDiS. Remove this item at conclusion of project. (ADDENDUM 4)**

CONTRACT NO. A-04- MASONRY

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Division 4	Masonry
Section 055000	Metal Fabrications
Section 071113	Bituminous Damp-proofing
Section 072100	Thermal Insulation
Section 072119	Foamed-In-Place Insulation
Section 072500	Weather Barriers
Section 076200	Sheet Metal Flashing & Trim
Section 078400	Firestopping
Section 079200	Joint Sealants

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide CMU, Brick veneer, ground and split face masonry units, glazed block, Calcium Silicate Manufactured Stone masonry, cast stone masonry, stone masonry veneer, reinforcing, accessories and related work
2. Provide foundation masonry (waterproofing by Contract A-08). Include dewatering for waterproofer.
3. Install sleeves in masonry walls (foundation and above ground) furnished by the contractor providing the utility.
4. Provide CMU, brick, decorative block, and capstone for new exterior walls at the building entrances, courtyard terrace walls and piers, loading dock, etc.
5. Provide masonry work at monumental sign. Excavation, concrete footers and piers, and backfill by Concrete Contractor.
6. Caulking of masonry to masonry and to dissimilar materials is to be by Contract A-10 : Joint Sealants. Clean, prime, and prepare surfaces before application of caulks and sealants in accordance with specifications and manufacturer's recommendations. Fire and Acoustical Sealants for masonry walls is to be by this Contract: A-04.
7. Provide spray polyurethane foam insulating air barrier applied at all locations (vertical and horizontal) behind vertical brick and stone surfaces and over CMU back-up and exterior sheathing board. This includes all exterior sheathing, whether behind masonry or not,

include spray insulation termination angles as needed for the spray foam insulation installation. Include DC-315 thermal barrier product where required. Provide intumescent coating on top of the spray insulation as detailed on various wall types. **Contractor to sequence installation and protection of intumescent coating with masonry façade installation to avoid damage or delays due to weather. (ADDENDUM #3)**

8. Provide steel angle support at top of masonry walls per details as shown in the architectural or structural plans whichever is more stringent.
9. Integral masonry flashings, expansion joints, insulation and other related items as required.
10. Provide 2-hour fire rated expansion joints for masonry-to-masonry .
11. Provide Mock up as required. Concrete foundation to be provided by Contract A-03: Concrete
12. Grouting of door frames at masonry openings. 2nd Floor and above stair tower door frames will be installed after CMU stair towers are erected and 2nd floor slabs are poured. Masonry contractor to include grouting of these frames after stair tower masonry walls are erected.
13. Provide weather protection and temporary material considerations for Hot/Cold weather installations as required to perform the work and maintain the project schedule. This contractor is responsible for temporary enclosures at mixing station and work areas to continue work through winter conditions. Any materials and or heating equipment for areas or materials will be provided by this contractor and billed against the allocation set below. All associated labor is to be provided by this contract under base bid.
14. Scaffolding as required to complete the work.
15. Dewatering of work areas.
16. Layout of the work including responsibility for all elevations and dimensions as they affect other Subcontractor's work.
17. Provide masonry or steel lintels either required by this Contract or install loose lintels furnished by others. This shall include attaching the loose lintels to the structure with bolts, fasteners, welding, etc. This Contractor will review the mechanical, plumbing and electrical drawings to determine the quantity and location of lintels that will be required where these utilities pass through masonry walls. This Contractor will coordinate with the Mechanical, Plumbing and Electrical Contractors to establish the layout and elevations before installing lintels.
18. Fill at hollow concrete masonry units. Grout all below grade masonry.
19. Setting of reinforcing steel in block walls.

20. Provide Cementitious parging.
21. Provide Bituminous Damp-proofing
22. Provide Silicone waterproofing.
23. Provide Cast stone/limestone work.
24. Provide temporary protection for final wash down/cleaning of masonry. Provide final cleaning of masonry provided under this contract after completion of erection and after permission is given. Cleaning will be to the satisfaction of CSD/EDiS Company. Protect work of other Bid Categories from contact with cleaner.
25. Provide cleaning of masonry exterior back-up walls in advance of waterproofing installation by Contract A-10. Prepare masonry substrate for waterproofing installation including filling cracks, removing fins, and removing excess mortar.
- 26. Include all cost, including toothing, for a temporary opening (10' wide x 10' height) within the exterior wall along column line 1 (C.L.-1), between column lines M.5 (C.L.-M.5) and L.2 (C.L.-L.2). Include a masonry lintel or steel member, and design, to support this temporary opening. In-fill this wall section at the completion of pool construction as directed by EDiS. (ADDENDUM 3)**
27. Flashing Summary:
 - a. Provide all thru-wall and cavity flashing within masonry walls no matter the substrate: by the Masonry Contractor.
 - b. 2-piece receiver flashing to be installed in masonry walls shall be supplied by the Roofing Contractor to the mason for installation.
 - c. Roofing contractor to provide flashing between termination of metal wall panels and EPDM roofing.
28. Cutting, fitting and building into masonry work, embedments provided by others.
29. Provide all acoustical sealants, fire safing fire stopping, and fire continuous sealant at top and bottom of masonry walls as shown on the Partition Types drawings. Also include steel penetrations through masonry walls.
30. Furnish and install all masonry veneer anchors where required.
31. Bond beams including reinforcing and fill.
32. This contractor will be responsible for providing their own dumpster and masonry debris disposal off site.
33. Provide potable water for masonry work from a mobile source.

34. Provide portable generators for temporary power needed for the performance of work.
35. Contractor must provide additional crews as needed to maintain the project schedule.
36. In addition to the insurance specified in Section 006216, this contractor will provide Pollution Insurance, with limits of \$2,000,000 per occurrence and \$2,000,000 aggregate.
37. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
38. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. CSD and EDiS will not be responsible for any lost tools, materials or equipment.
39. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
40. Provide BIM services as detailed in spec section 013700 BIM Execution Plan.
 - a. Even if this contract is not shown to have responsibilities in the BIM execution and coordination, this contract is to include providing a representative at a minimum of six (6) BIM Coordination meetings.
41. BIM Coordination : This contractor will include \$700 in their bid proposal to pay for the licensing agreement with Revizto for BIM Coordination of all trades.
42. Provide pricing for all alternates as described in Section 012300-Alternates.
 - a. Contractor is to guarantee all alternate pricing for 60 days following submission of a bid proposal. Decisions regarding alternate selection is to be made following receipt of all bid packages.
43. Provide a \$30,000 allocation to be used at the discretion of the Construction Manager.
44. Provide all mortar, grout, ladders, weeps, in-wall flashing, mortar nets, anchors, brick ties, lintels.
45. **Provide, and include all cost, for concrete wash out dumpsters for this contract scopes of work. Concrete dumpsters to include liner to prevent runoff. Include immediate clean-up of all runoff. Relocate as required by EDiS. Remove this item at conclusion of project. (ADDENDUM 4)**

CONTRACT NO. A-05 - STRUCTURAL STEEL & MISCELLANEOUS METALS

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 051200	Structural Steel
Section 052100	Steel Joists
Section 053100	Steel Deck
Section 055000	Metal Fabrications
Section 055100	Metal Stairs
Section 055133	Metal Ladders
Section 055213	Pipe and Tube Railings

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide structural steel, trusses, joists and metal floor and roof decking. Provide acoustical decking and associated insulation.
 - a. Coordinate pour stop locations with BIM Design. This contractor to receive as-builts of the installed foundations to coordinate final locations of the pour stop prior to shop installation.
2. Provide stairs, loose lintels, handrails, railings, steel ladders and accessories.
3. Furnish loose steel lintels, angles, plates, anchor bolts, leveling plates, and embedded items to the Concrete and Masonry contractors. Supply loose steel lintels to the mason for the mock-up wall if required.
4. Field check all anchor bolts prior to beginning erection.
5. Remove, modify, and replace the plywood covers installed by the Carpentry Contractor at all diamonds during the erection of steel as required to meet OSHA requirements.
6. Miscellaneous rough hardware, iron shapes, framing and support angles.
7. Provide masonry or precast anchors welded to steel columns and beams. This Contractor shall fabricate, weld and install all reinforcing anchors that connect the structural steel to the masonry systems whether they are field welds or shop welds. Provide all shop fabrication, field installation and field welding regardless of the weld symbols. Conditions that require in field welding and assembly are the responsibility of this Contractor. Field coordination with

the masonry installer will be this Contractor's responsibility.

8. Provide Pipe bollards.
9. Provide Stair nosings.
10. Provide Gratings.
11. Provide Roof screens, supports and grillage.
12. Provide Overhead door frames.
13. Provide Toilet partition supports. Provide restroom sink supports.
14. Provide Ships ladders.
15. Provide decorative metal railings. Include associated glass.
16. Galvanizing, as required.
17. Provide Anchoring devices, fasteners, inserts and other related items associated with the installation of the above items.
18. Provide all dunnage steel assemblies.
19. Provide all support steel framing for roof mounted equipment.
20. Provide steel framing at all openings in concrete slabs. Include framing at all MEP chase and duct penetrations, including where not indicated on structural drawings.
- ~~21. Provide all steel framing at the Aquarium feature within the Lobby. Reference sheet A-512.~~
~~(ADDENDUM 3)~~
22. Field touch-up paint.
23. No electrical power for welders will be provided.
24. Verify field dimensions.
25. Roof sump pans and related work.
26. Framing out for openings (roof drains, mechanical openings, access hatches, skylight, stairs, etc.). Assume opening frames will be field installed. All openings greater than 12 inches shall be reinforced with angle framing according to details on the structural drawings.
27. Prime paint systems, galvanizing, and related finishing of steel items, including touch up.

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- a. Coordinate steel priming with spray fireproofing requirements. Do not prime steel that is scheduled to receive spray fireproofing.
 28. Masonry or precast anchors welded to steel columns and beams.
 29. Supply and install shear studs.
 30. Furnish, install, maintain and remove perimeter safety steel cables at all floor and roof levels to conform with all OSHA standards for all trades. Provide safety steel cables at mechanical and electrical chases, stair openings, atriums, etc. This Contractor shall include the maintenance portion of the perimeter cables. Costs to maintain the perimeter cables shall be taken from the allocation listed below and will be allocated by the Construction Manager on a time and material basis. All remaining allocation shall be returned to the Owner at completion.
 31. The Steel Contractor will own all connections to masonry whether they are field welds or shop welds. Conditions that require in field welding and assembly are the responsibility of this Contractor. Field coordination with the masonry installer will be this Contractor's responsibility.
 32. All steel testing will be the responsibility of the Construction Manager, however, this Subcontractor will cooperate with the testing agency in the inspection at the fabrication shop and in the field.
 33. Layout, installation and alignment of attachments at the slab edge condition.
 34. Provide data and submittal information related to the Scope of this Contract signed and sealed by a Professional Engineer as required by the Contract Documents.
 35. This Contractor shall include all necessary staging, rigging, matting and remobilizations to accommodate this erection sequence.
 36. In addition to the insurance specified in Section 006216, this contractor will provide Pollution Insurance, with limits of \$2,000,000 per occurrence and \$2,000,000 aggregate.
 37. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
 38. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. CSD and EDiS will not be responsible for any lost tools, materials or equipment.
 39. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be incorporated into the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.

40. Contractor must provide additional crews as needed to maintain the project schedule.
41. Provide BIM services as detailed in spec section 013700 BIM Execution Plan.
 - a. Even if this contract is not shown to have responsibilities in the BIM execution and coordination, this contract is to include providing a representative at a minimum of six (6) BIM Coordination meetings.
42. BIM Coordination : This contractor will include \$700 in their bid proposal to pay for the licensing agreement with Revizto for BIM Coordination of all trades.
43. Provide pricing for all alternates as described in Section 012300-Alternates.
 - a. Contractor is to guarantee all alternate pricing for 60 days following submission of a bid proposal. Decisions regarding alternate selection is to be made following receipt of all bid packages.
44. Provide a \$25,000 allocation to be used at the discretion of the Construction Manager.
45. **Provide all support steel, cold-formed members, and bracing per detail 18/S-303 to support patient lift systems by others. Coordinate installations with ceilings and general carpentry contractors. (ADDENDUM 4)**

CONTRACT NO. A-06 - CARPENTRY AND GENERAL WORK

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 061000	Rough Carpentry
Section 062000	Finish Carpentry
Section 080671	Door Hardware Schedule
Section 081113	Hollow Metal Doors and Frames
Section 081416	Flush Wood Doors
Section 081613	Fiberglass Doors
Section 083323	Overhead Coiling Doors
Section 087100	Door Hardware
Section 101100	Visual Display Units
Section 101400	Signage
Section 101419	Dimensional Letter Signage
Section 102113.19	Plastic Toilet Compartments
Section 102123	Cubicle Curtains and Track
Section 102239	Folding Glass-Panel Partitions
Section 102600	Wall and Door Protection
Section 102800	Toilet, Bath, and Laundry Accessories
Section 104400	Fire Protection Specialties
Section 105126	Plastic Lockers
Section 105613	Metal Storage Shelving
Section 107316.13	Metal Canopies
Section 111313	Loading Dock Bumpers
Section 113013	Residential Appliances
~~Section 116623~~	~~Cymnasium Equipment(ADDENDUM 4)~~
Section 117200	Examination And Treatment Equipment
Section 117311	Patient Lifts
Section 122400	Window Shades

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide labor and materials to perform the work related to all carpentry and general work.
2. All rough carpentry related to the exterior skin of the building including wood nailers and blocking. This Contract A-06 : Carpentry is to provide wood blocking at the exterior walls including wood nailers and blocking for windows, doors, louvers, sills, and other openings. This contract to also provide all blocking integral to the roof and wall assemblies (including but not limited to roof parapet blocking, roof blocking, roof curbs blocking, blocking at the

mansards, and blocking at curbs). Plywood sheathing at exterior walls is to be provided by Contract A-13 : Metal Studs & Drywall.

- a. This contractor to coordinate with roof design and provide sufficient wood blocking to meet designed thickness of roof and insulation based upon required slopes. No additional funds will be provided for additional blocking based upon roof thickness.
3. All rough carpentry related to the interior of the building including blocking, wood nailers, etc. for the installation of fire extinguishers, railings, doors, windows, toilet accessories, cabinets, toilet partitions, casework, millwork, markerboards/tackboards, televisions/monitors, gym equipment, etc. including fire treating, as required. Include whether or not shown on project documents.
4. Install hollow metal, acoustical metal doors, integrated door opening assemblies, **fiberglass doors**, and wood doors, frames, vision panels, and finish hardware (Including receipt of doors, frames, and hardware at the curb side) Contract A-11 : Doors Frames Hardware Supply will be furnishing the doors, frames, and hardware. Install Key Control Cabinet. **(ADDENDUM 3)**
5. Provide Knox boxes to be installed at the building entrances where required by local fire department.
6. Install finish hardware at hollow metal, integrated door opening assemblies, acoustical metal doors, **fiberglass doors**, , and wood doors. Hardware to be supplied by Contract A-11: Doors Frames Hardware Supply will and installed by this Contract A-06. This Contract A-06 is responsible for coordinating door hardware with their work to ensure each opening is properly prepped for hardware being supplied by Contract A-11 : Doors Frames Hardware Supply. All low voltage wiring within the doors and frames is to be installed by this contract A-06. Conduits and raceways within walls by the electrical contractors. Electrical contractor to install power supply and make final power connections. Final connections of low-voltage wiring to hardware to be provided by special systems contractor. **(ADDENDUM 3)**
7. This contractor to accept curbside delivery and perform and document an inventory of all doors frames and hardware. Doors, frames, and hardware are to be stored in a locked classroom designated by the construction manager. This contract A-06 is to advise immediately on any missing or damaged materials in the inventory.
8. Install hold open closers with fire alarm interface: Power wiring by Electrical Contractor. Fire alarm ties in by Electrical Contractor.
9. Coordinate card reader requirements with electrical hardware.
10. Provide overhead coiling doors and coiling grills.
11. Provide exterior metal canopies. Include delegated-design.
12. Keying coordination for all lock sets (Hollow Metal, Wood Doors, Overhead Doors & Grilles, Aluminum Entrances). Replace all construction cylinders with permanent cylinders. Install

key control cabinet and organize keys according to this key control system.

13. Coordinate electrical requirements with any automatic door operations (include overhead). Provide low-voltage wiring required for overhead doors and grilles and automatic door operations.
14. Provide field assistance to Electrical and Glazing Contractors.
15. All field trimming required to adjust to existing conditions.
16. Provide coat hooks, as specified in Section 062000, mounted on 1x10 (nominal) poplar backboard with beveled edges, painted to match adjacent surfaces.
17. Provide adjustable shelving (shelves, brackets, standards).
18. Install smart televisions and brackets provided by owner.
- ~~19. Provide Architectural Louvers and grilles.(Addendum 3.)~~
20. Provide Residential appliances, include all hardware for complete connection to utilities.
21. Provide gymnasium wall padding and hardware (gymnasium equipment). Provide cutouts for all wall mounted devices.
- ~~22. Provide GFRC decorative columns and cornices. Provide caulking of GFRC column covers cornices to adjoining materials. Provide primers, bond breakers, and joint backers. Clean, prime, and prepare surfaces before application of caulks and sealants in accordance with specifications and manufacturer's recommendations. (ADDENDUM 4)~~
23. Provide architectural metal column covers.
24. Provide exterior PVC railings.
- ~~25. Provide new vertical wheelchair lifts complete. Electric service and disconnect switch for the lifts are the responsibility of the Electrical Contractor. All other control wiring, as specified, will be the responsibility of this Contractor.(ADDENDUM 4)~~
26. Provide Lift Equipment in Restrooms and Nurses Areas.
27. Provide all examination and treatment equipment.
28. Provide all cubicle curtain and track assemblies.
29. Anchoring devices, fasteners, inserts and other related items associated with the installation of the above items.

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30. Provide plywood covers on at all diamonds where steel columns are to be installed. These covers shall be installed immediately following the placement of concrete slabs on grade. Remove and dispose of plywood covers following installation of concrete within the diamonds.
 31. Provide temporary wood safety barricades including toe-kicks at all floor and roof openings.
 32. **Include all cost for a temporary door at an opening (10' wide x 10' height) within the exterior wall along column line 1 (C.L.-1), between column lines M.5 (C.L.-M.5) and L.2 (C.L.-L.2). Doors to be lockable, insulated, and weather resistant. Include coordination with the masonry contractor. Demo this temporary assembly as directed by EDiS.**
 33. Provide and maintain temporary wood railing and handrail at stairs. Provide wood infill of stair and landing pans.
 34. Provide an exterior located temporary scaffold-stair system to provide access to all floors and the roof from grade. Scaffold is to be raised above the roof parapet with an extended landing to provide safe access and egress to the roof. Roof landing is to be installed utilizing screw jacks to allow the support to be modified during roof installation. Bottom floor of scaffold is to be provided with 8' tall plywood walls around the perimeter and a plywood door with hinges and a hasp for locking. Access is to be maintained until contractor is directed to remove by EDiS. Provide additional similar scaffolding on top of the roof to access all roof elevations. Include removal at the request of EDiS.
 35. Provide screening around perimeter of all floors above ground level for falling object protection. Screening shall be erected from the walking/working surface or toe-board to the top of a guardrail system's top rail, for a distance sufficient to protect employees below. The material shall be designed and manufactured with a specialized double-strand configuration, as well as an ultraviolet protective coating. It shall be designed to withstand wind, rain, sun, and other potentially hazardous environmental conditions, and shall be compliant with all applicable OSHA 1926 Subpart M regulations. The netting shall have a Reinforced border with a Flame Retardant coating, UV resistant, orange in color and a minimum of 48 inches (4') in height. Openings in netting shall not exceed ¼ inch.
 36. Provide wood safety barricades to extend top of roof parapets to OSHA required height during construction. Coordinate removal and replacement of wood safety barricades with metal wall cap installation.
 37. Provide wood blocking as needed in the mock-up wall installation (1 mock-up wall per bid package for a total of 2 mock-up walls to be constructed).
 38. Demolish and remove all temporary installations (excluding mock-up wall installation by Sitework contractor).
 39. This Subcontractor shall at a minimum provided, maintained, and inspected for the length of the project, one temporary fire extinguisher for each 3,000 sq. ft of the protected building area. Travel distance from any point of the protected area to the nearest fire extinguisher shall not

exceed 100 feet. In multistory buildings, at least one fire extinguisher shall be located adjacent to stairway. Fire extinguishers shall be at least 10lb, Multi-Purpose (ABC) dry chemical, UL labeled, with a rating of 3a:40bc.

40. Provide temporary weather protection in all window and door openings at the exterior walls. Protection is to consist of wood blocking and reinforced poly with 8' tall plywood at first floor levels. Provide wood barricades with plywood door and locking hasp at all first floor door openings.
41. Provide wood blocking as needed in the mock-up wall installation.
42. Provide all specialties listed within this contract.
43. Provide all wood wall panel and acoustic wood wall panel system assemblies. Include all accessories, hardware, trim, furring strips, mineral wool, etc.
44. Provide White boards, Markerboards (including glass markerboards), Chalk boards, tack boards, and tack strips. Provide tackable wall panels. Include any blocking required on the face of the wall to maintain a level mounting surface with the tile wainscot.
45. Provide Display cases.
46. Provide Projection screens. Electric service is the responsibility of the Electrical Contractor. All other control wiring, as specified, will be the responsibility of this Contractor.
47. Provide Lockers. Coordinate base requirements with Contract A-03 : Concrete. Provide locker room benches.
48. Provide dock bumpers and loading dock equipment.
49. Provide wardrobe and closet specialties. Wall mounted hooks to be provided by the carpentry contractor.
50. Provide Fire extinguishers, cabinets and accessories.
51. Provide fire blanket cabinets.
52. Provide operable partitions, folding partitions and cubicle curtains. Coordinate any structural requirements with the structural steel and carpentry contractors. Provide all supplementary steel as needed to hang partitions from structural support steel, provided by the Structural Steel Contractor. It is assumed, no additional steel will be required below structural support steel. If so, it will be provided by this contractor.
53. Provide Signage (interior and exterior). Provide plaques.
54. Provide Toilet partitions. Coordinate any structural requirements with the structural steel

contractor. Include any blocking required on the face of the wall to maintain a level mounting surface with the tile wainscot.

55. Provide Toilet and bath accessories.
56. Provide all classroom accessories: tackboards, whiteboards, paper towels, soap dispensers.
57. Provide Mirrors (both framed and frameless). Include any blocking required on the face of the wall to maintain a level mounting surface with the tile wainscot.
58. Provide hand dryers, including the stainless steel panels beneath each hand dryer.
59. Provide wall and corner protection. Including FRP Paneling.
60. Provide defibrillators and cabinets. A total of 4 are required.
- ~~61. Provide goggle cabinets as specified in Section 104400.~~
62. All materials provided under this contract are to be stored by this contractor until delivery is requested. Material to be delivered to the site and off loaded by this contractor's forces. Deliveries to correspond to the construction schedule. Provide 48 hour notice prior to delivery.
63. In addition to the insurance specified in Section 006216, this contractor will provide Pollution Insurance, with limits of \$2,000,000 per occurrence and \$2,000,000 aggregate.
64. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
65. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. CSD and EDiS will not be responsible for any lost tools, materials or equipment.
66. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
67. Contractor must provide additional crews as needed to maintain the project schedule.
68. Provide BIM services as detailed in spec section 013700 BIM Execution Plan.
 - a. Even if this contract is not shown to have responsibilities in the BIM execution and coordination, this contract is to include providing a representative at a minimum of six (6) BIM Coordination meetings.
69. BIM Coordination: This contractor will include \$700 in their bid proposal to pay for the

licensing agreement with Revizto for BIM Coordination of all trades.

70. Provide pricing for all alternates as described in Section 012300-Alternates.
 - a. Contractor is to guarantee all alternate pricing for 60 days following submission of a bid proposal. Decisions regarding alternate selection is to be made following receipt of all bid packages.
71. Provide a \$50,000 allocation to be used at the discretion of the Construction Manager.
- 72. Provide patient lift systems and support assemblies Coordinate installations with ceilings and structural steel contractors. (ADDENDUM 4)**
- 73. Provide all window shades. (ADDENDUM 4)**
- 74. Provide field Mock up as required. (ADDENDUM 4)**
- 75. Provide the complete exterior signage assembly ("Monumental sign") referenced on A-811. Include all framing, metal top plate, sealants, weather barriers, sheathing, pin letters, stucco. Foundations, masonry, cast stone, electric, and lighting are by others. (ADDENDUM 4)**

CONTRACT NO. A-07 – ROOFING

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
~~Section 074113~~	~~Metal Roof Panels~~ (ADDENDUM 3)
Section 075300	Elastomeric Membrane Roofing
~~Section 075419~~	~~Polyvinyl Chloride Roofing~~ (ADDENDUM 3)
Section 076200	Sheet Metal Flashing and Trim
Section 077100	Roof Specialties
Section 077123	Manufactured Gutters and Downspouts
Section 077200	Roof Accessories
Section 078400	Firestopping
Section 079200	Joint Sealants

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide all roofing systems, including rigid and tapered insulation and all related accessories.
2. Provide standing seam roofing system.
3. This Subcontractor shall carefully review the edge of roof details to determine if the roof can be placed before the exterior wall assembly is complete. This Subcontractor shall include all costs associated with returning to the jobsite to complete the roof perimeter after wall assembly is complete.
4. Caulking related to roofing, flashing and roof accessories.
5. Provide waterproof seals around lightning protection system as required by roof manufacturer requirements. If locations of lightning protection conduits are not clearly shown on the roof plan, include an allowance to seal one penetration for every 1000 sf of roof area.
6. Roof drains and associated plumbing shall be provided by the Plumbing Subcontractor. Flashing of the roof drains shall be by the Roofing Subcontractor. Openings for the roof drains in the roofing materials shall be cut by the Roofing Subcontractor. Openings in the metal deck shall be cut by others.
7. Provide all metal copings, fascias, and caps.
8. Roof hatches, including associated roof curbs.

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9. Provide Walk pads.
 10. Provide Metal drip edges.
 11. Provide Gravel stops.
 12. Provide flashing and associated work at Roof curbs provided by others to maintain watertightness and roof warranty.
 13. Provide expansion joints that are integral to the roof.
 14. Provide all Gutters, down spouts, scuppers, and splash pans.
 15. Wood blocking shall be provided by others.
 16. Provide Flashing and sheet metal.
 17. Complete waterproofing of all penetrations by others. This includes the following at minimum: boots, witches hats, flashing details, pitch pockets, sealants.
 18. Flashing Summary:
 - a. Provide all thru-wall and cavity flashing within masonry walls no matter the substrate: by the Masonry Contractor.
 - b. 2-piece receiver flashing to be installed in masonry walls shall be supplied by the Roofing Contractor to the mason for installation.
 - c. Roofing contractor to provide flashing between termination of metal wall panels and EPDM roofing.
 19. Contractor must provide additional crews as needed to maintain the project schedule.
 20. In addition to the insurance specified in Section 006216, this contractor will provide Pollution Insurance, with limits of \$2,000,000 per occurrence and \$2,000,000 aggregate.
 21. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
 22. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.
 23. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.

24. BIM Coordination : This contractor will include \$700 in their bid proposal to pay for the licensing agreement with Revizto for BIM Coordination of all trades.
25. Provide pricing for all alternates as described in Section 012300-Alternates.
Contractor is to guarantee all alternate pricing for 60 days following submission of a bid proposal. Decisions regarding alternate selection is to be made following receipt of all bid packages.
26. Provide a \$20,000 allocation to be used as the discretion of the Construction Manager.
- 27. Provide field Mock up as required. (ADDENDUM 4)**

CONTRACT NO. A-08 – WATERPROOFING

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 071113	Bituminous Dampproofing
Section 071200	Built-Up Bituminous Waterproofing (ADDENDUM 4)
Section 072500	Weather Barriers
Section 079200	Joint Sealants

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide Foundation waterproofing and Bituminous Dampproofing. Provide waterproofing at all foundations walls (including at inner courtyards). Include costs to install foundation waterproofing in two visits. First visit to install waterproofing up to slab elevation, second visit to return to install remaining waterproofing up wall above slab-on-grade after exterior wall framing and sheathing is installed.
2. Provide fluid applied vapor barrier and water resistive barrier on outside face of exterior walls applied at all locations where shown (vertical and horizontal) behind vertical brick, metal, and stone surfaces and over CMU back-up and exterior sheathing board. This includes all exterior sheathing. Include termination angles as needed for the insulation installation.
3. Contractor must provide additional crews as needed to maintain the project schedule.
4. In addition to the insurance specified in Section 006216, this contractor will provide Pollution Insurance, with limits of \$2,000,000 per occurrence and \$2,000,000 aggregate.
5. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
6. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.
7. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.

8. Provide pricing for all alternates as described in Section 012300-Alternates.
 - a. Contractor is to guarantee all alternate pricing for 60 days following submission of a bid proposal. Decisions regarding alternate selection is to be made following receipt of all bid packages.
9. Provide a \$5,000 allocation to be used at the discretion of the Construction Manager.
- 10. Provide field Mock up as required. (ADDENDUM 4)**

CONTRACT NO. A-09 - EXTERIOR METAL PANELS

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 054000	Cold-Formed Metal Framing
Section 072100	Thermal Insulation
Section 074213	Metal Wall Panels
Section 076200	Sheet Metal Flashing and Trim
Section 078400	Firestopping
Section 079200	Joint Sealants

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide metal wall panels and zee furring channels and include all necessary anchoring devices.
2. Provide metal wall panels at underside of entrance canopies. Include any supplemental framing, zee furring channels and include all necessary anchoring devices. Include metal wall flashing where metal panels meet the exterior wall.
3. Coordinate penetrations through metal wall panels with other contractors and cut and seal metal panels around penetrations to provide a finished look as part of the metal wall panel system.
4. Provide Flashing of panels integral with the panel system.
5. Provide Caulking of panels integral to the panel system. Caulking at the perimeter of the metal wall panel system and adjoining materials to be provided by Contract A-10 : Joint Sealants.
6. Miscellaneous metal items necessary to support panels other than required structural steel.
7. Furnish anchorage items for embedding into other construction for support of panels.
8. Touch up of all welding.
9. Provide Galvanized, epoxy or stainless steel, etc. anchors as specified.
10. Provide metal fascias related to the panel system. Copings at the top of the roof parapet to be provided by Contract A-07 : Roofing.
11. Provide Waterproofing and insulation integral to the panel system.

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12. This Subcontractor shall coordinate his shop drawings with the Window Subcontractor's shop drawings.
 13. Verification of field dimensions is the responsibility of this Subcontractor.
 14. Contractor must provide additional crews as needed to maintain the project schedule.
 15. In addition to the insurance specified in Section 006216, this contractor will provide Pollution Insurance, with limits of \$2,000,000 per occurrence and \$2,000,000 aggregate.
 16. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
 17. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.
 18. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
 19. Provide BIM services as detailed in spec section 013700 BIM Execution Plan.
 20. BIM Coordination : This contractor will include \$700 in their bid proposal to pay for the licensing agreement with Revizto for BIM Coordination of all trades.
 21. Provide pricing for all alternates as described in Section 012300-Alternates.
 - a. Contractor is to guarantee all alternate pricing for 90 days following submission of a bid proposal. Decisions regarding alternate selection is to be made following receipt of all bid packages.
 11. Provide a \$10,000 allocation to be used at the discretion of the Construction Manager.
 12. Provide coordinated mock-up system.

CONTRACT NO. A-10 – JOINT SEALANTS

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 07 84 00	Firestopping
Section 079200	Joint Sealants

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide all joint sealants throughout the project
2. Provide caulking or sealants at the following locations, both interior and exterior, as shown on the drawings or as described in the specifications:
 - a. Masonry (i.e. brick, block, stone, cast stone, pre-cast concrete) to adjoining materials
 - b. Masonry to masonry
 - c. Hollow metal frames to adjoining materials including at base of door frames to floor.
 - d. Interior aesthetic caulk bead of exterior windows to adjacent materials (drywall, sills, etc.).
Perimeter of all interior windows and storefronts, to adjoining materials.
 - e. ~~Concrete slab control joints, expansion joints, isolation joints, and perimeter slab joints~~
(ADDENDUM 4)
 - f. Exposed non-fire rated drywall to adjoining materials
 - g. Vented painted metal soffit to adjoining materials
 - h. Metal Wall Panels to adjoining materials.
 - i. Column covers to adjoining materials
 - j. Ceramic Tile Walls and floors to adjoining materials.
3. Examine the areas and conditions where joint sealers are to be installed and correct any conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions are corrected to permit proper installation of the work.
4. Provide primers, bond breakers, and joint backers. Clean, prime, and prepare surfaces before application of caulks and sealants in accordance with specifications and manufacturer's recommendations.
5. Provide mock-ups. Provide adhesion test for exterior caulk.
6. Provide caulking required for mock-up wall construction.

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7. Provide custom colors of caulks and sealants
 8. The following caulking or sealants are furnished and installed by others:
 - a. Fire and acoustical sealants associated with drywall partitions will be by the Metal Studs & Drywall Contractors
 - b. Fire and acoustical sealants associated with masonry partitions will be by the Masonry Contractors
 - c. Fire and acoustical sealants associated with mechanical, electrical, plumbing, fire protection, and communications systems is by the Contractor who made the penetration.
 - d. Caulking and sealants associated with roofing
 - e. Caulking of mechanical, electrical or plumbing fixtures and equipment will be by the Contractor installing the fixture or equipment
 - f. Caulking of casework and trim by installer
 - g. Caulking or sealants integral/within windows, storefronts, curtain walls.
 - h. Caulking of joints in ceramic tile walls and flooring will be by the installer
 - i. Caulking or sealants between all exterior windows, storefronts, and curtainwalls and adjacent surfaces.
 9. Protection of adjacent surfaces.
 10. Clean up.
 11. Attic stock.
 12. Contractor must provide additional crews as needed to maintain the project schedule.
 13. In addition to the insurance specified in Section 006216, this contractor will provide Pollution Insurance, with limits of \$2,000,000 per occurrence and \$2,000,000 aggregate.
 14. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
 15. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.
 16. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be incorporated into the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
 17. Contractor must provide additional crews as needed to maintain the project schedule.
 18. Provide pricing for all alternates as described in Section 012300-Alternates.
 - a. Contractor is to guarantee all alternate pricing for 90 days following submission

of a bid proposal. Decisions regarding alternate selection is to be made following receipt of all bid packages.

19. Provide \$5,000 allowance to be used at the discretion of the Construction Manager.

20. Provide field Mock up as required. (ADDENDUM 4)

21. Provide sealant between the top of ceramic tile base or wainscot to adjacent drywall finish. Sealant between ceramic tile and ceramic tile will be provided by the Ceramic Tile contractor. (ADDENDUM 4)

CONTRACT NO. A-11 - DOORS, FRAMES, AND HARDWARE SUPPLY

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 081113	Hollow Metal Doors and Frames
Section 081416	Flush Wood Doors
Section 080671	Door Hardware Schedule
Section 087100	Door Hardware
Section 088000	Glazing

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Furnish only hollow metal, integrated door opening assemblies, acoustical metal doors, and wood doors, frames, vision panels, finish hardware
2. Do not include supply of aluminum entrances. Supply finish hardware for all entrances (hollow metal, wood, and sound control). FRP and aluminum entrance hardware will be supplied by Contract A-12 : Glass & Glazing. Turn over all other hardware to Contract A-06 : Carpentry & General Works on site for installation in hollow metal and wood entrances.
3. Supply Automatic Door Operators as specified in the hardware schedule.
4. Supply hold open closers with fire alarm interface: Power wiring by Electrical Contractor. Fire alarm ties in by Electrical Contractor.
5. Keying. All lock sets, including aluminum and FRP. Provide Owner with copy of pin schedule. Provide key control cabinet as specified.
 - a. Provide new cylinders for overhead doors, coiling doors, and sliding fire doors keyed to master system.
5. Construction cylinders.
6. All material to be stored by this Subcontractor until delivery is requested. Material to be delivered to the site and off loaded by others.
7. Deliveries to correspond to the construction schedule.
8. Provide field assistance to Electrical, Special Systems, Glazing, and Carpentry Contractors.

9. Coordinate electrical requirements with any automatic door operations.
10. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
11. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.
12. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
13. Provide pricing for all alternates as described in Section 012300-Alternates.
 - a. Contractor is to guarantee all alternate pricing for 90 days following submission of a bid proposal. Decisions regarding alternate selection is to be made following receipt of all bid packages.”
18. Provide a \$5,000 allocation to be used at the discretion of the Construction Manager.

CONTRACT NO. A-12 – GLASS AND GLAZING

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 076200	Sheet Metal Flashing & Trim
Section 079200	Joint Sealants
Section 080671	Door Hardware Schedule
~~Section 081613~~	~~Fiberglass Doors (ADDENDUM 3)~~
Section 083400	Surface Mounted Sliding Door System
Section 084229	Automatic Entrances
Section 084313	Aluminum-Framed Storefronts
	Section 085653 Security Windows
Section 086300	Metal Framed Skylights
Section 087100	Door Hardware
Section 088000	Glazing
~~Section 102239.13~~	~~Folding Glass Panel Partitions~~

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide windows, curtain wall, FRP, storefront, glass and glazing systems.
 - a. Provide perimeter trim at windows and storefronts with receiver piece for perimeter caulk bead (minimum 3/8" deep). If not included in factory supplied trim, include frame extenders to provide this receiver for caulk.
2. Provide manual aluminum door systems and handling.
3. ~~Provide all folding glass panel partition systems.~~
4. Provide automatic aluminum door systems and associated hardware including automatic door operators.
5. Provide Aluminum Doors, frames, and hardware. Include Construction Cores. Final Keying for Aluminum doors will be supplied by Contract A-11 : Doors/Frames/Hardware Supply and installed by this Contract A-12. This Contract A-12 is responsible for coordinating door hardware with their Aluminum entrances to ensure each opening is properly prepped for hardware. All low voltage wiring within the aluminum doors and frames is to be installed by this Contract A-12. Conduits and raceways within walls by the electrical contractors. Electrical contractor to install power supply and make final power connections. Final connections of low-voltage wiring to hardware to be provided by special systems contractor.

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6. Provide Glazed Interior Wall and Door Assemblies including hardware.
 7. Provide spandrel panels and associated insulation behind the panels.
 8. Provide all glass and glazing at the interior and exterior of the building.

9. Provide all skylights and curbs. (ADDENDUM 3.)

10. Provide Interior door, partition, vision panel and window glass.
11. Provide safety and security films where indicated.
12. Provide all applied window graphics.
13. Provide Caulking related to interior glazing.
14. Supply Automatic Door Operators as specified in the hardware schedule.
15. Provide all sealants integral to windows, storefronts, and curtain wall systems. This contract A-12 : Glass and Glazing is to provide all sealants (primary and secondary) between all exterior windows, storefronts, and curtainwalls and adjacent surfaces prior to installation and finishing of interior drywall. The aesthetic bead of caulk from the inside face of exterior windows, storefront, and curtainwalls A-10 : Joint Sealants. The sealants must be smoke, fire or sound rated depending on the adjacent wall construction.

Sealants between all interior set windows and storefronts and adjacent materials is to be provided by Contract A-10 : Joint Sealants.

16. Do not provide interior hollow metal or hardware. These items will be provided by others.
17. Coordinate glass types with partition and door fire ratings. Contact Construction Manager with any discrepancies.
18. Provide windows for mock-up wall including flashing and accessories required to provide a complete installation
19. Provide Custom break metal trim and infill.
20. Hoisting/scaffolding related to the work of this Contract.
21. Coordinate edge of slab tolerances and field verify all rough openings.
22. Provide delegated design, data and submittal information related to the Scope of this Contract signed and sealed by a Professional Engineer as required by the Contract Documents.
23. Contractor must provide additional crews as needed to maintain the project schedule.

24. In addition to the insurance specified in Section 006216, this contractor will provide Pollution Insurance, with limits of \$2,000,000 per occurrence and \$2,000,000 aggregate.
25. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
26. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.
27. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
28. Provide BIM services as detailed in spec section 013700 BIM Execution Plan.
29. BIM Coordination : This contractor will include \$700 in their bid proposal to pay for the licensing agreement with Revizto for BIM Coordination of all trades.
30. Provide pricing for all alternates as described in Section 012300-Alternates.
 - a. Contractor is to guarantee all alternate pricing for 90 days following submission of a bid proposal. Decisions regarding alternate selection is to be made following receipt of all bid packages."
34. Provide a \$15,000 allocation to be used at the discretion of the Construction Manager.

CONTRACT NO. A-13 – METAL STUDS AND DRYWALL

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 054000	Cold-Formed Metal Framing
~~Section 054400~~	~~Cold-Formed Metal Trusses~~ (ADDENDUM 3)
Section 061000	Rough Carpentry
Section 072100	Thermal Insulation
Section 072500	Weather Barriers
Section 078400	Firestopping
Section 079200	Joint Sealants
Section 083100	Access Doors and Panels
Section 092116	Gypsum Board Assemblies
Division 21	Fire Protection
Division 22	Plumbing
Division 23	Mechanical
Division 26	Electrical

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide metal studs, insulation, gypsum wallboard, exterior sheathing (plywood, densglass, asphalt fest, Tyvek, etc), taping, spackling, plaster and stucco.
 - a. Contractor is to include providing and finishing moisture resistant drywall at the top of all interior walls prior to roof completion to allow for installation of ductwork.
2. Provide all metal stud and cold-formed metal stud walls, partitions, ceilings, parapets, soffits, headers, etc.
3. Provide all acrylic modified finish and vapor barrier systems at exterior walls and soffits.
4. Provide all metal stud framing required to back up EIFS, brick, etc.
5. Provide all bullet-resistant panel assemblies.
6. Provide all cold formed steel truss assemblies. Include delegated design.
7. Provide Engineered shop and installation drawings.
8. Provide structural stud assembly for the exterior skin of the building.

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9. Frame openings in stud walls for all duct penetrations. Utilize the coordinated BIM model and/or approved duct shop drawings.
 10. Provide metal furring. Zee furring channels supporting the metal wall panels is to be provided by Contract A-09.
 11. Provide structural metal stud back-up wall for the mock-up wall.
 12. Provide air barrier, water resistive barrier, and insulation on outside face of exterior walls where spray polyurethane foam insulating air barrier is not indicated.
 13. Provide water resistive barrier sheet on exterior walls under exterior cladding where indicated.
 14. Steel stud construction related to the roof parapet construction and roof screens.
 15. Steel stud construction related to framing out for openings in exterior walls.
 16. Provide secondary support framing.
 17. Clips, anchors, supports and other accessories that interface between steel framing and steel studding.
 18. Provide Wall sheathing (densglass & Plywood), asphalt felts and Tyvek on structural steel studs.
 19. Provide Batt insulation, both thermal and acoustical and related work.
 20. Provide the complete "TYPICAL PARTITION HEAD TERMINATION DETAIL(S)" assemblies shown on A-501.
 21. Provide the complete "1HR RATED CELING @ LAUNDRY ROOM (153B, 155A)" detail shown on A-501.
 22. Provide Plaster and stucco systems.
 23. Include molded shapes.
 24. Provide cementitious backer board for the wall tile installations.
 25. Caulking of exposed non-fire rated drywall to adjoining materials to be provided by Contract A-10 : Joint Sealants.
 26. Provide all acoustical sealants, smoke sealants, firesafing fire stopping, and fire continuous sealant at top and bottom of drywall walls as shown on the Partition Types drawings. Also include steel penetrations through drywall walls. Include fire taping and sealing at perimeter edge and as shown on the Drawings. Provide fire resistant joint systems at floors and walls.

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- Provide fire barrier at perimeter of slabs-on-deck where they meet either exterior wall systems or curtainwall systems.
27. Provide Exterior Insulated Finish System (EIFS) including all exterior metal studding, insulation, gypsum board, Tyvek, and reglets/trim as shown on drawings.
- a. Provide EIFS as field applied or panelized.
 - b. Caulking of the following:
 - i. EIFS to EIFS
 - ii. EIFS to Masonry
 - iii. EIFS to Aluminum
 - c. Provide Flashing required at EIFS system.
 - d. Rough blocking built into panelized EIFS is the responsibility of the EIFS Contractor.
 - e. Anchors for supporting EIFS panels.
 - f. Hoisting and scaffolding as required.
 - g. Provide scoring, beads and joints as required and as detailed on the contract documents.
28. Provide exterior PVC trim. Ensure all installations are completed per manufacturer specifications. All trim is to be screwed and capped, no nailing of PVC trim allowed. Provide of exterior PVC trim to adjoining materials. Provide primers, bond breakers, and joint backers. Clean, prime, and prepare surfaces before application of caulks and sealants in accordance with specifications and manufacturer's recommendations.
29. Install Access panels furnished by others.
30. Include filling of all interior hollow metal door frames in drywall where required.
31. Include fire taping and sealing at perimeter edge and as shown on the Drawings.
32. Provide fire resistant joint systems at floors and walls. Include fire barrier between perimeter of floor slabs and exterior assembly.
33. Provide All Corner Guards where integral to the drywall wall assembly.
34. Provide all expansion systems (excluding those integral to the roof assembly which will be provided by Contract A-07 : Roofing). 2-hour fire rated expansion joints for masonry-to-masonry as seen on is to be provided by Contract A-04 : Masonry.
35. Provide Adjustable Partition Closure: Gordon Inc. Window Mate Series 40 Plus
36. Scaffolding and lifts for this work.
37. No power for welding equipment will be provided.
38. Comebacks and out-of-sequence work may be required and as such should be included.

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39. Include all necessary field measurements.
 40. Include point-up of gypsum walls and ceilings following first coat of finish paint.
 41. Include two (2) passes per floor to “touch-up” mechanical penetrations to ensure ratings required. The first pass will be required prior to ceiling grid installation and the second pass will be required prior to final inspection for Certificate of Occupancy.
 42. Include costs to return to rooms following drywall installation and finishing on walls to install and finish drywall at window jambs, heads, sills after storefront, window, curtainwall installation is complete.
 43. Bidders are advised to pay particular attention to top of wall conditions, fire and smoke safing of slabs and acoustical sealants.
 44. Contractor must provide additional crews as needed to maintain the project schedule.
 45. In addition to the insurance specified in Section 006216, this contractor will provide Pollution Insurance, with limits of \$2,000,000 per occurrence and \$2,000,000 aggregate.
 46. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
 47. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. CSD and EDiS will not be responsible for any lost tools, materials or equipment.
 48. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
 49. Provide BIM services as detailed in spec section 013700 BIM Execution Plan.
 50. BIM Coordination : This contractor will include \$700 in their bid proposal to pay for the licensing agreement with Revizto for BIM Coordination of all trades.
 51. Provide pricing for all alternates as described in Section 012300-Alternates.
 - a. Contractor is to guarantee all alternate pricing for 180 days following submission of a bid proposal. Decisions regarding alternate selection is to be made following receipt of all bid packages.
 52. Provide a \$30,000 allocation to be used at the discretion of the Construction Manager.

CONTRACT NO. A-14 - CASEWORK AND MILLWORK

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 062000	Finish Carpentry
Section 064100	Architectural Wood Casework
Section 079200	Joint Sealants
Section 123553.23	Solid-Plastic Laboratory Casework
Section 123600	Countertops

Section 123623.13 — Ballistic Rated Countertops (ADDENDUM 3)

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide labor and materials to perform the work related to all casework and millwork.
2. Provide All field trimming required to adjust to existing conditions.
3. Provide All millwork, casework and trim. Including specialty casework.
4. Coordinate power and data requirements and locations with the electrical contractor for locations and sizes of holes needed.
5. Provide P-Lam adjustable shelving on metal brackets (shelves, brackets, standards).
6. Provide all sills and aprons (stools).
7. Provide plywood, wood trim, quartz paneling, wood veneer paneling, and plastic laminate veneer paneling.
8. Provide all countertops and backsplashes.
9. Provide Metal legs supporting countertops.
10. Provide Concealed Countertop Bracket wherever shown. Coordinate installation in wall prior to drywall installation.
11. Coordinate cutting holes in casework with other trades.
12. Coordinate blocking requirements with Contract A-06 : Carpentry & General Works.

13. Provide joint sealers integral to casework/millwork and to dissimilar materials.
14. Contractor must provide additional crews as needed to maintain the project schedule.
15. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
16. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.
17. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
18. BIM Coordination: This contractor will include \$700 in their bid proposal to pay for the licensing agreement with Revizto for BIM Coordination of all trades.
19. Provide pricing for all alternates as described in Section 012300-Alternates.
 - a. Contractor is to guarantee all alternate pricing for 90 days following submission of a bid proposal. Decisions regarding alternate selection is to be made following receipt of all bid packages.
21. Provide a \$5,000 allocation to be used at the discretion of the Construction Manager.

CONTRACT NO. A-15- CERAMIC TILE

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 079200	Joint Sealers
Section 093000	Ceramic Tiling

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide ceramic tile, porcelain tile, marble tile and thresholds.
2. Provide Porcelain pavers, etc.
3. Provide Setting beds.
4. Provide crack suppression membrane for this tile installation.
5. Provide expansion joints and sealants as required per manufacturers' installation instructions.
6. Provide waterproofing and anti-fracture membrane at all tile locations as specified by the project documents.
7. Provide tile border around mirrors, switches/receptacles, specialties, etc that are located half in and half out of wainscot height.
8. Provide metal trim pieces (schluter strips, etc.) integral to the tile installations. Size Schluter strips according to the tile thickness to ensure no sharp edges of tile are not visible/touchable.
9. Provide metal strips installed as part of the tile installation.
10. Provide vapor retarding sealer prior to tile application.
11. Grout.
12. Provide grout sealant according to manufacturer's directions.
13. Cutting and fitting around work installed by others.
14. Patching and leveling. The cost of this work will be taken out of the contract allocation.

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15. Provide cleaning, waxing and protection. Protection will be with reinforced kraft paper, cardboard, or masonite. Provide protection of finished products until acceptance by Construction Manager.
 16. Attic stock.
 17. Contractor must provide additional crews as needed to maintain the project schedule.
 18. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
 19. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.
 20. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
 21. Provide pricing for all alternates as described in Section 012300-Alternates.
 - a. Contractor is to guarantee all alternate pricing for 90 days following submission of a bid proposal. Decisions regarding alternate selection is to be made following receipt of all bid packages.
 21. Provide a \$15,000 allocation to be used at the discretion of the Construction Manager.
 22. **Provide all sealants within ceramic tile assemblies. Sealants at top of ceramic tile base or wainscot to drywall is by the Joint Sealants contractor. (ADDENDUM 4)**

CONTRACT NO. A-16 - ACOUSTICAL CEILINGS

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 072100	Thermal Insulation
Section 083100	Access Doors and Panels
Section 095100	Acoustical Ceilings
Section 095423	Linear Metal Ceilings
Section 098430	Sound-Absorbing Wall and Ceiling Units

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide acoustical panel ceilings, suspension system and hangers.
2. Provide all suspended ceiling systems.
3. Provide all linear metal ceiling systems.
4. Acoustical lay in insulation blankets above ceiling where required by Specifications or Drawings.
5. Supplemental suspension hangers at large ducts above ceilings and at openings for lighting fixtures.
6. Continuous acoustical sealant on back of vertical leg before installing moldings where required by the project documents.
7. Furnish and install hold down clips where required by governing regulations for fire resistant ratings.
8. Provide acoustical wall treatments, sound absorbing wall units, and fabric covered acoustical panels
9. Provide Expansion joints integral to ceiling systems. Include per manufacturer requirements, even where not shown indicated on project documents.
10. Reflected ceiling layout, including field verification of existing conditions. Inform the Construction Manager if existing conditions differ from Drawings and Specifications.
11. This Subcontractor shall cut openings in ceilings for sprinkler heads, lights, mechanical diffusers and grilles, etc.

12. Attic stock.
13. Contractor must provide additional crews as needed to maintain the project schedule.
14. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
15. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.
16. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
17. Provide BIM services as detailed in spec section 013700 BIM Execution Plan.
18. BIM Coordination : This contractor will include \$700 in their bid proposal to pay for the licensing agreement with Revizto for BIM Coordination of all trades.
19. Provide pricing for all alternates as described in Section 012300-Alternates.
 - a. Contractor is to guarantee all alternate pricing for 90 days following submission of a bid proposal. Decisions regarding alternate selection is to be made following receipt of all bid packages.
18. Provide a \$15,000 allocation to be used at the discretion of the Construction Manager.

CONTRACT NO. A-17 - PAINT AND WALLCOVERINGS

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 079200	Joint Sealants
Section 099000	Paints and Coatings
Division 22	Plumbing
Division 23	Mechanical
Division 26	Electrical

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide all painting and vinyl or fabric wall covering (all walls and ceilings indicated on the finish schedule).
2. Provide all wall coverings and “applied wall graphics”.
3. Paint all exposed block work and concrete work as shown on the room finish schedule and required by the specifications. Include cleaning and prep of these surfaces prior to painting.
4. Prime, stain or seal all wood trim and doors.
5. Clean, Prime, and Seal exposed concrete slabs where shown.
6. Paint Steel Lintels above doors and windows both interior and exterior.
7. Paint exposed piping, ductwork, and equipment (sprinkler, plumbing, electrical) in accordance with the Drawings and Specifications. Include exterior coating for exposed piping and ductwork on roof and in Utility Yard.
8. Paint exposed ceilings and structures in accordance with the Drawings and Specifications.
9. Provide supplementary ventilation as required in enclosed spaces.
10. Paint all hollow metal frames and doors as shown on the door schedule. Paint all hollow metal window frames. Include light sanding of all hollow metal frames, as needed, prior to painting. Include caulking of frames to adjacent surfaces included flooring.
11. Paint metal stairs and railings.

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12. Provide labeling of fire rated walls as required by IBC as stated below:
 - a. Where there is an accessible concealed floor, floor-ceiling or attic space, fire walls, fire barriers, fire partitions, smoke barriers and smoke partitions or any other wall required to have protected openings or penetrations shall be effectively and permanently identified with stenciling in the concealed space. Such identification shall:
 - i. Be located within 15 feet (4572 mm) of the end of each wall and at intervals not exceeding 30 feet (9144 mm) measured horizontally along the wall or partition.
 - ii. Include lettering not less than 3 inches (76 mm) in height with a minimum 3/8-inch (9.5 mm) stroke in a contrasting color incorporating the suggested wording, "FIRE AND/OR SMOKE BARRIER—PROTECT ALL OPENINGS".
 13. Prefinished items will not be painted by this Subcontractor, unless otherwise noted.
 14. Paint all semi-exposed wood blocking as indicated on the drawings.
 15. Provide all wall mounted way finding stripes.
 16. Protection of adjacent surfaces.
 17. Minor patching prior to application of finishes.
 18. Clean up.
 19. Attic stock.
 20. Final coat of paint is to be installed after ceilings are installed, if directed by Construction Manager.
 21. Contractor must provide additional crews as needed to maintain the project schedule.
 22. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
 23. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.
 24. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
 25. Provide pricing for all alternates as described in Section 012300-Alternates.
 - a. Contractor is to guarantee all alternate pricing for 90 days following submission of a bid proposal. Decisions regarding alternate selection is to be made following receipt

of all bid packages.

30. Provide a \$30,000 allocation to be used at the discretion of the Construction Manager.

CONTRACT NO. A-18 – FLOORING

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 090561	Common Work Results Flooring Prep
Section 096500	Resilient Flooring
Section 096566	Resilient Athletic Flooring
Section 096800	Carpeting
Section 124813	Entrance Floor Mats and Frames

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide flooring in accordance with the finish schedule and specifications.
2. Prepare subfloor for finished flooring including leveling and patching. Base bid shall include all flashing patching and surface preparation required to perform the work of this Contractor.
3. Provide all resilient flooring and base systems.
4. Provide all resilient athletic flooring (RAF) and base systems. **Include all graphics, game lines , and logos. (ADDENDUM 4)**
5. Provide all carpeting.
6. Provide vinyl, rubber, and resilient bases as detailed on the finish schedule and plans. This includes the toe kicks at casework.
7. Provide all transitions and reducer strips at edges of flooring.
8. Provide cleaning, waxing, and protection. Protection will be with reinforced kraft paper, cardboard, or Masonite
9. Provide all walk-off-mats (WOM).
10. Provide rubber and vinyl stair treads and risers. Provide rubber and vinyl nosings. Provide rubber tiles at landings. Include Schluter metal trim.
11. Seaming diagrams.

12. Attic stock.
13. Contractor must provide additional crews as needed to maintain the project schedule.
14. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
15. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.
16. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
17. Provide pricing for all alternates as described in Section 012300-Alternates.
 - a. Contractor is to guarantee all alternate pricing for 90 days following submission of a bid proposal. Decisions regarding alternate selection is to be made following receipt of all bid packages.
17. Provide a \$15,000 allocation to be used at the discretion of the Construction Manager.

CONTRACT NO. A-19 : FLUID-APPLIED FLOORING

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials, and equipment for:

- Technical Specification sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Division 3	Concrete
Section 079200	Joint Sealants
Section 090561	Common Work Results Flooring Prep
Section 096700	Fluid-Applied Flooring

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide fluid-applied flooring and integral base.
2. Provide mock-ups as required by plans and specifications.
3. Provide vapor retarding sealer prior to resinous floor application, as required by specifications or manufacturer's installation instructions.
4. Cutting and fitting around work installed by others.
5. Patching and leveling.
6. Provide cleaning, waxing and protection. Protection will be with reinforced kraft paper, cardboard, or Masonite. Provide protection of finished products until acceptance by Construction Manager.
7. Provide crack suppression membrane for this epoxy installation as required by the project documents.
8. Include all control joints and expansion joints per manufacturer requirements and project details.
9. Provide metal strips installed as part of the epoxy installation.
10. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
11. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.

12. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
13. Contractor must provide additional crews as needed to maintain the project schedule.
14. Provide pricing for all alternates as described in Section 012300-Alternates.
15. Provide \$5,000 allowance to be used at the discretion of the Construction Manager.

CONTRACT NO. A 20 – WINDOW TREATMENTS

A. ~~Work included in this contract consists of, but is not necessarily limited to, all labor, materials, and equipment for:~~

~~• Technical Specification sections:~~

~~Division 0~~	~~Bidding and Contract Requirements~~
~~Division 1~~	~~General Requirements~~
~~Section 061000~~	~~Rough Carpentry~~
~~Section 062000~~	~~Finish Carpentry~~
~~Section 122400~~	~~Window Shades~~

~~This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:~~

- ~~1. Provide Window treatments.~~
- ~~2. Provide window shades and accessories. Include mock up per project specifications.~~
- ~~3. Coordinate blocking requirements with carpentry contractors.~~
- ~~4. Verification of field dimensions is the responsibility of this Contractor.~~
- ~~5. Anchoring devices, fasteners, inserts and other related items associated with the installation of the above items.~~
- ~~6. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.~~
- ~~7. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.~~
- ~~8. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.~~
- ~~9. Contractor must provide additional crews as needed to maintain the project schedule.~~
- ~~10. Provide pricing for all alternates as described in Section 012300 Alternates.~~

~~11. Provide \$5,000 allowance to be used at the discretion of the Construction Manager.~~
CONTRACT NO. A-20 : KITCHEN EQUIPMENT

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 078400	Fire Stopping
Section 079200	Joint Sealers
Section 112100	Commercial Appliances
Section 114000	Foodservice Equipment
Division 21	Fire Protection
Division 22	Plumbing
Division 23	HVAC
Division 26	Electrical

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide food service equipment.
2. Provide all commercial appliances, including in Vocational Kitchen 161.
3. All final connections shall be made by the Electrical and Mechanical Contractors. Provide coordination with Special Systems, Electrical and Mechanical contractor to prevent any additional cost to the Owner.
4. Provide the labor, equipment and materials to uncrate, assemble, install in place, level & plumb and completely install all food service equipment with exception of electrical and plumbing installations which will be completed by others.
5. Any discrepancies between the Drawings, Specifications and site conditions or ambiguities in the documents shall immediately be reported to the Construction Manager in writing. Inconsistencies shall be corrected in writing or by reissuing the drawings. If the Contract Documents disagree with the quality or quantity of work required, the better quality or greater quantity shall be supplied unless otherwise instructed in writing by the Construction Manager. Any work performed by the Contractor at locations in question after his discovery of discrepancies, inconsistencies, ambiguities, or errors, without securing resolution, shall be at the Contractor's risk.
6. This Contractor shall verify all measurements at the site and assume full responsibility for their correctness before proceeding with his work. No extra compensation will be allowed because of differences between site conditions and those indicated on the drawings.

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7. Manufactured articles, materials, and equipment shall be applied, installed, connected, erected, used, cleaned and conditioned as directed by the manufacturer and shall be protected from damage until acceptance. Prefinished products which are damaged before or after installation shall be replaced with new and perfect materials. Materials finished after installation which are damaged shall be refinished or replaced as the Construction Manager may direct. No additional charge will be honored by the Construction Manager for repair or replacement of finished materials.
 8. Should this Contractor feel that the Contract Documents call for work which he cannot guarantee, he shall so state, in writing, prior to bidding. Proceeding with any operation shall be construed as acceptance of all guarantee conditions.
 9. Secure certificates of inspection and occupancy required by authorities having jurisdiction. Deliver copies of certificates to the Construction Manager prior to filing application for final payment.
 10. It is this Contractor's responsibility to make certain statutes, building codes, and regulations including those of the appropriate health agencies having jurisdiction over this type of facility are met.
 11. Provide protection of all equipment during and after installation has been completed.
 12. Provide coordinated shop drawings that indicate all MEP requirements and accurately reflect the actual conditions and spacing of the area.
 13. Provide specified warranties.
 14. All foodservice components consist of those items identified in Section 114000 and the "FS" Series drawings that identify the Food Service items. All items are to be included in the base bid of this contract to completely provide all systems in their entirety. This contractor shall pay particular attention to the "Standard Details" section of typical drawings within Specification section 114000.
 15. Welding of materials must comply with all specified acceptable means.
 16. Any items furnished as part of this Scope of Work that require mechanical or electrical rough ins or services that are different from those shown on the Contract Drawings shall be so noted at the time of bid. Failure to do so shall make this Contractor liable for costs of any changes required by same.
 17. Provide all caulking and sealants for proper installation and in accordance with public health regulations. Provide fire stopping of any penetrations created through smoke and fire partitions.
 18. Provide startup, testing and demonstrate all equipment installed under this category of work. Provide proposed schedule, including names and telephone numbers of attending

- representatives at least (3) three weeks in advance of demonstration.
19. Obtain approvals and permits and coordinate inspections and testing with governing local and state agencies.
 20. Provide licensed electrician to make all interconnections within equipment furnished by this contractor. This includes, but is not limited to, power and control wiring interconnecting the kitchen hoods and make-up air units provided by the mechanical contractors.
 21. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
 22. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.
 23. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be incorporated into the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
 24. Contractor must provide additional crews as needed to maintain the project schedule.
 25. Provide pricing for all alternates as described in Section 012300-Alternates.
 26. Provide \$10,000 allowance to be used at the discretion of the Construction Manager.

CONTRACT NO. A-21 : POOL EQUIPMENT

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Division 3	Concrete
Section 13 11 00	Summary Of The Swimming Pool Work
Section 13 11 13	Swimming Pool Shotcrete
Section 13 11 26	Exposed Aggregate Pool Finish (Enhanced Plaster)
Section 13 11 29	Ceramic Tile Swimming Pool Finish
Section 13 11 40	Pool Trench Drain
Section 13 11 41	Skimmer Recirculation System
Section 13 11 46	Swimming Pool Accessories
Section 13 15 10	Swimming Pool Caulking And Sealants
Section 13 15 90	Swimming Pool Heater
~~Section 13 34 13~~	~~Glazed Structures (ADDENDUM 4)~~
Division 22	Plumbing
Division 23	HVAC
Division 26	Electrical
Division 31	Earthwork

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Furnish and install a complete swimming pool, as shown and/or specified, including but not limited to, general pool construction, structure, recirculation system, **suction and return piping systems**, filtration system, water chemistry system, waterproofing membrane, finish on the interior of the pool, stainless steel perimeter pool recirculation system and piping, mechanical and deck equipment, filtration system, ~~deck drain/gutter system around entire perimeter of pool~~—water treating, chemical feeding, testing, pool fittings, safety equipment, lights, cleaning equipment, painted pool water depth indicators, skimmer, mechanical piping systems, heater, supervision, start-up and operator training. The listing of the above items is not exhaustive, but is representative of the types of materials that the Subcontractor is expected to provide. **(ADDENDUM 3)**
 - a. Concrete contractor is to provide slabs-on-grade in Pool room to outside perimeter of deck drain (by plumber). All work, **including concrete**, within the perimeter of the deck drain is to be provided by this Contract A-22. **(ADDENDUM 3)**,
2. Provide excavation for swimming pool installation and associated equipment/piping.
3. Dewatering as required to install the complete pool system.

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4. Equipment bases and housekeeping pads.
 5. Provide the new pool chair lift (not refurbish existing).
 6. Provide all pool deck equipment and pool safety equipment.
 7. Provide all sealants.
 8. Start-up of pool system, monitoring, testing, and controlling the quality of water until acceptance and turn over by general contractor and owner.
 9. Final cleaning, vacuuming of pool water and pool area at the direction of the general contractor.
 10. Obtain approvals and permits and coordinate inspections and testing with governing local and state agencies.
 11. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
 12. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.
 13. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
 14. Contractor must provide additional crews as needed to maintain the project schedule.
 15. Provide pricing for all alternates as described in Section 012300-Alternates.
 16. Provide a \$10,000 allowance to be used at the discretion of the Construction Manager.
 17. **All piping by this contractor will extend into the pool equipment room/filter room and connect to equipment. Include connection to utilities by others. (ADDENDUM 3)**
 18. **Provide all railings, grab rails, drains, controllers, wiring, pool ladders, ceramic tile, skimmers, drains. (ADDENDUM 4)**

CONTRACT NO. A-22 - FIRE PROTECTION

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Division 3	Concrete
Section 078400	Firestopping
Section 079200	Joint Sealers
Section 21 05 00	Common Work Results For Fire Suppression
Section 21 05 53	Identification For Fire Suppression Piping And Equipment
Section 21 07 19	Fire Suppression Piping Insulation
Section 21 13 00	Fire Suppression Sprinklers (ADDENDUM 3)
Division 28	Electronic Safety and Security
Division 31	Earthwork

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide piping, fittings, couplings, valves and sprinkler heads.
2. All pipe and equipment supports are to be tied to the building steel structure. No drilling into floor slabs or roof decking will be permitted.
3. Excavation and backfill related to fire protection work as detailed below is the responsibility of this Subcontractor. Soil types shall be in accordance with Del Dot standard specifications.
4. Before ANY excavation work is to commence, the Contractor/Excavator shall contact the utility companies or utility owners and advise them of the proposed work and ask them to mark the location of the underground utility installations. This notification shall be done within established or customary local response times. If the work is on private property and the utility company will not mark out the utilities, the Contractor/Excavator will hire a private locating service to mark the utilities. Once the utilities are located and marked, the Contractor/Excavator will excavate by hand or use a vacuum truck to expose the utilities and record the exact location and elevation of the utilities. The Contractor/Excavator must submit the Excavation Permit to EDiS Company verifying their assurance of communication with the utility companies or utility owners. The Contractor/Excavator must follow State, Local, and Federal Guidelines prior to proceeding with excavations. The Contractor/Excavator will have these marks restored as long as there is work to perform. Once the Contractor has installed new utilities, they will provide to EDiS Company an as-built drawing, within 7 days, showing the exact location and elevation of the utilities. The installing Contractor will be responsible for locating and marking these utilities for other contractors that may have work in the same area.

Provide As-built drawings. Maintain an updated red-lined set on-site, available to EDiS upon request.

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6. Provide Concrete equipment pads, curbs and thrust blocks for fire protection work.
7. Testing and inspections.
8. Cutting and patching.
9. Provide fire stopping.
10. Provide Design.
11. Flow and tamper switches to be supplied by this Subcontractor and wired by the Electrical Subcontractor. It is this contractor's responsibility to provide flow and tamper switches to meet applicable State and local codes.
12. Provide Fire pump, controller and related work. Wiring of pump and controller to be by the Electrical Subcontractor.
13. Provide preaction suppression system, controller, jockey pumps, flow meter and related work. Wiring of pump and controller to be by the Electrical Contractor.
14. Provide Meter, if required, and all applicable fees.
15. Provide backflow preventor as part of new incoming fire service.
16. Provide Pipe identification.
17. Sitework contractor will extend fire main from +/- 5 feet outside building to 1' above finish slab. Fire protection contractor is to make connection to fire main inside of the building.
18. The Concrete Contractor shall furnish, install and maintain stone fill under slab. The Sitework Contractor shall leave the building pad site at subgrade to within acceptable tolerances in preparation to receive stone fill. The Mechanical, Plumbing, Fire Protection, and Electrical Contractors shall complete their work under the slab on grade and shall be responsible to return the pad to the subgrade elevation left by the Sitework Contractor. The Concrete Contractor shall then adjust the select material to final subgrade, fine grade the slab and place the vapor barrier and stone fill.
19. Roof curbs, pipe, hoods and vent equipment & supports are to be supplied by contractor in which the units, piping, etc. are being supplied. The openings for the curbs in the roofing materials shall be cut by the Roofing Contractor. Openings in the metal deck shall be cut by the contractor in which the units are being provided. The roofing contractor shall provide all flashing and sealing of the curbs. Any wood blocking required will be provided by Carpentry & General Works Contractor.

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20. This Subcontractor to coordinate the need for and compatibility of his system to the emergency generator, supplied by others.
 21. Provide the necessary coordination with trade to avoid interferences with other work and make corrections at no extra charge.
 22. Contractor must provide additional crews as needed to maintain the project schedule.
 23. In addition to the insurance specified in Section 006216, this contractor will provide Pollution Insurance, with limits of \$2,000,000 per occurrence and \$2,000,000 aggregate.
 24. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
 25. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.
 26. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
 27. Provide BIM services as detailed in spec section 013700 BIM Execution Plan.
 28. BIM Coordination: This contractor will include \$700 in their bid proposal to pay for the licensing agreement with Revizto for BIM Coordination of all trades.
 29. Provide pricing for all alternates as described in Section 012300-Alternates.
 - a. Contractor is to guarantee all alternate pricing for 90 days following submission of a bid proposal. Decisions regarding alternate selection is to be made following receipt of all bid packages
 30. Provide a \$10,000 allocation to be used at the discretion of the Construction Manager.

CONTRACT NO. A-23 - PLUMBING

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Division 3	Concrete
Section 078400	Firestopping
Section 079200	Joint Sealers
Section 083100	Access Doors and Panels
Division 22	Plumbing
Division 23	Heating, Ventilating and Air Conditioning
Division 26	Electrical
Division 31	Earthwork

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide a complete plumbing system, including but not limited to: domestic hot and cold water, hot water recirc, condensate piping, drain, waste, and vents, complete as indicated on the Drawings and in the Specifications. Include HVAC condensate piping as shown on Mechanical piping plans.
2. Provide the complete grease interceptor system and associated piping. Include deadman concrete blocks.
3. Provide the following piping systems for the pool:
 - i. perimeter "Deck Drain" piping system (as noted on "AP" drawings) and connection to building sanitary drainage system.
 - ~~ii. "Suction" and "Return" perimeter piping loops. Include flanged fittings where pipe branches will extend to pool for connection by the pool contractor. (ADDENDUM 3)~~
 - ~~iii. All piping by this contractor will extend into the pool equipment room/filter room, and stub 12" above finished floor elevation. (ADDENDUM 3)~~
4. All pipe and equipment supports are to be tied to the building steel structure. No drilling into roof decking will be permitted.
5. Provide all domestic roof hydrants.
6. Provide all floor drains, floor sinks, and cleanouts. Include protection until completion of finished flooring.

7. Excavation and backfill for underground plumbing work as detailed below is the responsibility of this Contractor. Soil types shall be in accordance with Del Dot standard specifications. Refer to Division 31 and 33 of the specifications.
8. Backfilling of all scope within this contract is the responsibility of this Contractor. Soil types shall be in accordance with project documents.
9. Before ANY excavation work is to commence, the Contractor/Excavator shall contact the utility companies or utility owners and advise them of the proposed work and ask them to mark the location of the underground utility installations. This notification shall be done within established or customary local response times. If the work is on private property and the utility company will not mark out the utilities, the Contractor/Excavator will hire a private locating service to mark the utilities. Once the utilities are located and marked, the Contractor/Excavator will excavate by hand or use a vacuum truck to expose the utilities and record the exact location and elevation of the utilities. The Contractor/Excavator must submit the Excavation Permit to EDiS Company verifying their assurance of communication with the utility companies or utility owners. The Contractor/Excavator must follow State, Local, and Federal Guidelines prior to proceeding with excavations. The Contractor/Excavator will have these marks restored as long as there is work to perform. Once the Contractor has installed new utilities, they will provide to EDiS Company an as-built drawing, within 7 days, showing the exact location and elevation of the utilities. The installing Contractor will be responsible for locating and marking these utilities for other contractors that may have work in the same area.
10. Provide all Equipment bases and housekeeping pads related to plumbing equipment.
11. Permits/meters.
12. Permits and inspections. Costs for the permits are the responsibility of this contractor. Applying, corresponding, and receiving the permits is to be performed by this subcontractor. Costs for a meter (if required) and inspections are to be paid for by this subcontractor.
13. Provide Pipe and equipment insulation and labeling.
14. Penetrations through wall, floors, etc. including cutting, patching and fire stopping.
15. Provide all caulking and sealants for proper installation of plumbing equipment.
16. Coordinate with the Testing and balancing Contractor.
17. Provide daily Clean up.
18. All guarantees and warranties to begin at the substantial completion of the entire project.

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- Maintain equipment prior to substantial completion.
19. Hoisting, rigging and scaffolding. Scaffolding to access the ceiling above the auditorium will be provided by the metal studs and drywall contractor and available to this contractor for use.
 20. Coordination with Building Management Systems Contractor.
 21. Provide Roof drains, all associated primary and secondary piping, and accessories.
 22. Provide Natural Gas Piping work associated with the emergency generator.
 23. Provide Gas piping, meter and pressure regulator valves.
 24. Provide plumbing fixtures.
 25. Sitework contractor will extend domestic and fire mains from +/- 5 feet outside building to 1' above finish slab. Plumbing contractor is to make connection to domestic main inside of the building.
 26. The Concrete Contractor shall furnish, install and maintain stone fill under slab. The Sitework Contractor shall leave the building pad site at subgrade to within acceptable tolerances in preparation to receive stone fill. The Mechanical, Plumbing, Fire Protection, and Electrical Contractors shall complete their work under the slab on grade and shall be responsible to return the pad to the subgrade elevation left by the Sitework Contractor. The Concrete Contractor shall then adjust the select material to final subgrade, fine grade the slab and place the vapor barrier and stone fill. Concrete foundations will be installed prior to the start of the underground plumbing installation; plumbing contractor is responsible for excavation for installation of their pipes around concrete foundations and preventing cave-ins during installation of their underground piping. The plumbing contractor is to adjust underground plumbing locations based upon actual locations of concrete foundations.
 27. Install Owner prepurchased equipment, if applicable.
 28. Furnish Access panels where required to access plumbing. Installation of access panels to be provided by metal studs & drywall contractor.
 29. Provide final tie-ins for residential and commercial appliances being supplied by the owner.
 30. Provide flushing, cleaning, and sterilization of pipe as specified.
 31. Provide As-built drawings. Maintain an updated red-lined set on-site, available to EDiS upon request.
 32. Contractor must provide additional crews as needed to maintain the project schedule.

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33. In addition to the insurance specified in Section 006216, this contractor will provide Pollution Insurance, with limits of \$2,000,000 per occurrence and \$2,000,000 aggregate.
 34. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
 35. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. CSD and EDiS will not be responsible for any lost tools, materials or equipment.
 36. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
 37. Provide BIM services as detailed in spec section 013700 BIM Execution Plan.
 38. BIM Coordination : This contractor will include \$700 in their bid proposal to pay for the licensing agreement with Revizto for BIM Coordination of all trades.
 39. Provide pricing for all alternates as described in Section 012300-Alternates.
 - a. Contractor is to guarantee all alternate pricing for 90 days following submission of a bid proposal. Decisions regarding alternate selection is to be made following receipt of all bid packages.
 40. Provide a \$25,000 allocation to be used at the discretion of the Construction Manager.
 41. **Include insulation of all piping as required. (ADDENDUM 4)**
 42. **Provide all condensate splash blocks (ADDENDUM 4)**
 43. **All gas piping to be yellow per project documents. (ADDENDUM 4)**

CONTRACT NO. A-24 - MECHANICAL

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Division 3	Concrete
Section 078400	Firestopping
Section 079200	Joint Sealers
Section 083100	Access Doors and Panels
Division 22	Plumbing
Division 23	HVAC
Division 26	Electrical
Division 31	Earthwork

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide a complete mechanical and piping system as indicated on the Drawings and in the Specifications. Condensate piping and natural gas piping is to be provided by Contract B-58 : Plumbing. Provide all mechanical equipment and associated curbs.
2. All pipe and equipment supports are to be tied to the building steel structure. No drilling into roof decking will be permitted.
3. Division 26 of the specifications should be reviewed as it relates to the power wiring and other requirements for HVAC equipment including the coordination of furnishing and installing motor starters as provided in the specifications.
4. This Contractor shall be responsible to designate an individual within his organization, intimately familiar with this project and assigned on site, to act as the System Start-up Coordinator. This individual must be pre-approved by the Construction Manager. This individual's responsibilities shall include, but not be limited to, coordinating the start-up of all mechanical equipment, including the coordination between the Electrical Contractor, the Controls Contractor, and all testing, adjusting and balancing work. This individual shall report on a weekly basis, in written form, to the Construction Manager. These reports shall include a summary of current conditions including manufacturers' start-ups, systems' deficiencies noted to date and the remediation of same, coordination issues between trades, system interfacing and forecasting, as necessary to project the completion of each individual system within the building.
5. Excavation and backfill for underground mechanical work as detailed below is the responsibility of this Contractor. Soil types shall be in accordance with Del Dot standard

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- specifications. Refer to Division 31 and 33 of the specifications.
6. Backfilling is the responsibility of this Contractor. Soil types shall be in accordance with project documents.
 7. Before ANY excavation work is to commence, the Contractor/Excavator shall contact the utility companies or utility owners and advise them of the proposed work and ask them to mark the location of the underground utility installations. This notification shall be done within established or customary local response times. If the work is on private property and the utility company will not mark out the utilities, the Contractor/Excavator will hire a private locating service to mark the utilities. Once the utilities are located and marked, the Contractor/Excavator will excavate by hand or use a vacuum truck to expose the utilities and record the exact location and elevation of the utilities. The Contractor/Excavator must submit the Excavation Permit to EDiS Company verifying their assurance of communication with the utility companies or utility owners. The Contractor/Excavator must follow State, Local, and Federal Guidelines prior to proceeding with excavations. The Contractor/Excavator will have these marks restored as long as there is work to perform. Once the Contractor has installed new utilities, they will provide to EDiS Company an as-built drawing, within 7 days, showing the exact location and elevation of the utilities. The installing Contractor will be responsible for locating and marking these utilities for other contractors that may have work in the same area.
 8. Provide all Equipment bases and housekeeping pads related to HVAC equipment.
 9. Supply all VFD's (not integral to equipment) to electrical contractor for installation.
 10. Permits and inspections. Costs for the permits are the responsibility of this contractor. Applying, corresponding, and receiving the permits is to be performed by this subcontractor. Costs for a meter (if required) and inspections are to be paid for by this subcontractor.
 11. Provide field layout of all wall penetrations to facilitate framing wall openings by masonry and carpentry subcontractors. This must be performed following wall layout by the masonry and carpentry subcontractors.
 12. Provide Pipe and duct insulation.
 13. Provide all tagging and labels.
 14. Provide Penetrations through wall, floors, etc. including cutting, patching and fire stopping.
 15. Provide all caulking and sealants for proper installation of mechanical equipment.
 16. Coordinate with the Testing and balancing Contractor.
 17. Daily Clean up.

18. All guarantees and warranties to begin at the substantial completion of the entire project. Maintain equipment prior to substantial completion. Mechanical equipment is to be utilized for building conditioning following completion of drywall installation and finishing to maintain operating building conditions during finish installation. This contractor is to provide gap warranties to extend the equipment warranty through this period in addition to the warranty period required by the specifications.
19. Hoisting, rigging and scaffolding. Scaffolding to access the ceiling above the auditorium will be provided by the metal studs and drywall contractor and available to this contractor for use.
20. Coordination with Building Management Systems Contractor.
21. Provide final tie-ins for residential and commercial appliances being supplied by the owner.
22. Provide Ductwork, flex duct, grilles and diffusers. Duct detectors are to be furnished by the Special Systems contractor and installed by this contract.
23. Provide all louvers and vents related to HVAC operations. Coordinate louver size, location and type of louver with architectural drawings.
24. The Concrete Contractor shall furnish, install and maintain stone fill under slab. The Sitework Contractor shall leave the building pad site at subgrade to within acceptable tolerances in preparation to receive stone fill. The Mechanical, Plumbing, Fire Protection, and Electrical Contractors shall complete their work under the slab on grade and shall be responsible to return the pad to the subgrade elevation left by the Sitework Contractor. The Concrete Contractor shall then adjust the select material to final subgrade, fine grade the slab and place the vapor barrier and stone fill.
25. Provide temporary heat and ventilation design, installation, maintenance and removal. Refer to Division 1, Specification Section 015123 - TEMPORARY HEATING, COOLING, & VENTILATION, for specific scope. This contractor will furnish, install, and maintain the temporary heating equipment. Temporary heating equipment will be provided under base bid. Temporary heating fuel consumption associated with the temporary heating will be charged against the allocation below. All unused portions of the allocation will be returned at the end of the project.
26. Roof curbs, pipe, hoods and vent equipment & supports are to be supplied by contractor in which the units, piping, etc. are being supplied. The openings for the curbs in the roofing materials shall be cut by the Roofing Contractor. Openings in the metal deck shall be cut by the contractor in which the units are being provided. The roofing contractor shall provide all flashing and sealing of the curbs. Any wood blocking required will be provided by Carpentry & General Works Contractor.
27. Install Owner prepurchased equipment, if applicable.

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- Furnish Access panels where required to access mechanical equipment. Installation of access panels to be provided by metal studs & drywall contractor.
28. This contractor to perform multiple duct leakage tests as coordinated with EDiS to align with schedule. Testing will not wait for complete installation of all duct.
 29. Provide As-built drawings. Maintain an updated red-lined set on-site, available to EDiS upon request.
 30. Contractor must provide additional crews as needed to maintain the project schedule.
 31. In addition to the insurance specified in Section 006216, this contractor will provide Pollution Insurance, with limits of \$2,000,000 per occurrence and \$2,000,000 aggregate.
 32. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
 33. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. CSD and EDiS will not be responsible for any lost tools, materials or equipment.
 34. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
 35. Provide BIM services as detailed in spec section 013700 BIM Execution Plan.
 36. BIM Coordination : This contractor will include \$700 in their bid proposal to pay for the licensing agreement with Revizto for BIM Coordination of all trades.
 37. Provide pricing for all alternates as described in Section 012300-Alternates.
 - a. Contractor is to guarantee all alternate pricing for 90 days following submission of a bid proposal. Decisions regarding alternate selection is to be made following receipt of all bid packages.
 38. Provide a \$35,000 allocation to be used at the discretion of the Construction Manager.
 39. Provide a \$50,000 allocation for fuel for temporary heating systems.
 40. **Include insulation of all piping and duct as required. (ADDENDUM 4)**
 41. **The following equipment are by the electrical contractor: electric baseboard heaters, unit heaters, cabinet unit heaters, radiant ceiling panels. (ADDENDUM 4)**

CONTRACT NO. A-25 – BUILDING MANAGEMENT SYSTEMS

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 033000	Cast-in-Place Concrete
Section 078400	Firestopping
Section 083100	Access Doors and Panels
Division 21	Fire Suppression
Division 22	Plumbing
Division 23	Mechanical
Section 230913	Instrumentation and Controls Devices for HVAC
Section 230923	Direct-Digital Control Systems for HVAC
Section 230993	Sequence of Operations for HVAC Controls (ADDENDUM 3)
Division 26	Electrical
Section 312000	Earth Moving
Section 312319	Dewatering

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Automatic Temperature Controls for equipment whose main purpose include all items in the Automatic Temperature Control Scope. Provided, however, that the controls do not directly switch the power lines to the equipment; the wiring of such controls to remain the responsibility under the electrical contract.
2. Provide conduits, boxes and pull strings for equipment, controls, devices and wiring associated with the work in this contract.
3. Provide Environmental controls.
4. Provide Ventilation controls.
5. Provide Cooling controls.
6. Provide Humidification controls.
7. Provide HVAC Refrigeration controls.
8. Motorized dampers when not specified as part of factory packaged equipment supplied to job site for distribution and installation by others.

9. Provide both reading and remote gauges, transmitters and recorders for automatic temperature controls.
10. Provide building centralization controls including but not limited to centralized temperature, humidity, pressure and flow indication and recorders, centralization of air conditioning, heating, ventilation, humidification and refrigeration equipment operation. Provide integration of all equipment as required by the Construction Documents.
11. Provide building life safety control and equipment safety control including: fire alarm, fan shut downs, operators and controls for motorized smoke dampers, operators and controls for motorized fire dampers, firestats, freeze protection thermostats, shut down safety devices forming part of automatic temperature control.
12. Permit as required for work under this subcontract scope.
13. Provide Inspections as required under this subcontract scope.
14. Provide Electrical thermostats intended for automatic temperature controls complete with subbases or adapter plates to mount on standard electrical box.
15. Remote reading gauges, transmitters and recorders for automatic temperature control.
16. Supply access doors and frames for all access to Building Management System components or equipment that require routine or periodic maintenance. Installation of access doors and frames provided by the Metal Stud & Drywall Contractor.
17. Provide control wiring and/or air piping required for all automatic temperature controls supplied under the subcontract scope.
18. Provide wiring for remote thermostats and remote prewired auxiliary control panels for packaged equipment.
19. Provide magnetic starter coil and relay coils intended for automatic temperature controls, including interlocking between starters and/or relays when controlled automatically.
20. Exclude direct reading temperature and pressure gauges connected directly to non-potable water systems.
21. Exclude motorized dampers when specified as integral part of packaged equipment.
22. Exclude automatic temperature controls when specified as integral part of packaged equipment.
23. Exclude flow measuring and control devices.
24. Exclude direct reading temperature and pressure gauges connected directly to refrigeration

systems.

25. Exclude filter gauges directly connected to duct systems.
26. Electrical wiring for thermostats and controls which directly switch the power line to the equipment (directly shall mean not through magnetic coil) is by the Electrical Contractor.
27. Power wiring is by the Electrical Contractor.
28. Control power supply outlets are by the Electrical Contractor.
29. Exclude fire alarm, fan shut-down, relays and wiring by Section 28 07 21.
30. Provide transmitters for ATC.
31. Start, test and demonstrate all equipment installed under this category of work. Provide proposed schedule, including names and telephone numbers of attending representatives at least (3) three weeks in advance of demonstration.
32. Submissions will be reviewed once and any resubmittals will be reviewed once. Any other submittals will be billed to the contractor at the Engineers standard rates. Please thoroughly review all submissions prior to forwarding to avoid these costs.
33. Contractor must provide additional crews as needed to maintain the project schedule.
34. In addition to the insurance specified in Section 006216, this contractor will provide Pollution Insurance, with limits of \$2,000,000 per occurrence and \$2,000,000 aggregate.
35. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
36. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. CSD and EDiS will not be responsible for any lost tools, materials or equipment.
37. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
38. Provide BIM services as detailed in spec section 013700 BIM Execution Plan.
39. Provide pricing for all alternates as described in Section 012300-Alternates.
 - a. Contractor is to guarantee all alternate pricing for 90 days following submission of a bid proposal. Decisions regarding alternate selection is to be made following receipt of all

bid packages.

40. Provide a \$5,000 allocation to be used at the discretion of the Construction Manager.

CONTRACT NO. A-26 – ELECTRICAL

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 033000	Cast-In-Place Concrete
Section 078400	Firestopping
Section 079200	Joint Sealants
Section 083100	Access Doors and Panels
Section 087100	Door Hardware
Section 210533	Heat Tracing for Fire Suppression Piping
Division 21	Fire Suppression
Division 23	Mechanical/HVAC
Division 26	Electrical
Division 27	Communications
Division 28	Electrical Safety and Security
Section 337119	ELEC Underground Ducts, Ductbanks, and Manholes

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide a complete electrical system as indicated on the drawings, schedules and in the specifications.
2. Divisions 22 and 23 of the specifications should be reviewed as it relates to the power wiring and other requirements for Plumbing and HVAC equipment including the coordination of furnishing and installing motor starters and controllers as detailed in the Specifications and on the Drawings.
3. Excavation and backfill for underground electrical work as required below is the responsibility of this Subcontractor. Soil types shall be in accordance with Del Dot standard specifications.
4. Before ANY excavation work is to commence, the Contractor/Excavator shall contact the utility companies or utility owners and advise them of the proposed work and ask them to mark the location of the underground utility installations. This notification shall be done within established or customary local response times. If the work is on private property and the utility company will not mark out the utilities, the Contractor/Excavator will hire a private locating service to mark the utilities. Once the utilities are located and marked, the Contractor/Excavator will excavate by hand or use a vacuum truck to expose the utilities and record the exact location and elevation of the utilities. The Contractor/Excavator must submit the Excavation Permit to EDiS Company verifying their assurance of communication with the utility companies or utility

owners. The Contractor/Excavator must follow State, Local, and Federal Guidelines prior to proceeding with excavations. The Contractor/Excavator will have these marks restored as long as there is work to perform. Once the Contractor has installed new utilities, they will provide to EDiS Company an as-built drawing, within 7 days, showing the exact location and elevation of the utilities. The installing Contractor will be responsible for locating and marking these utilities for other contractors that may have work in the same area.

5. Utilize directional drilling methods where indicated on project documents.
6. Provide temporary power connections (and removal) to temporary heat installations by others. Assume (4) different points of connection, providing 240V/30A to each.
7. This contractor shall provide temporary transformers as required to provide electrical power generation until permanent service is installed by Delmarva power. Include all permits, cabling, switch gear, panels, breakers etc. to provide a complete temporary power system capable of supplying the electrical loads required for the project. This contractor to coordinate and arrange for temporary power from the source, Delmarva Power. Include boring across route 7 to provide temporary power feeds from existing power lines and additional 2" conduit for data by service provider.
8. Provide temporary power for meter bank with transformer including **(10)** individual electric meters with disconnects for contractors trailers. Provide (2) to EDiS trailer located within east lot, remainder to be located within the north contractors lot. Coordinate all work with Delmarva Power.
9. Power Centers (waterproof) for miscellaneous tools and equipment used in the construction work shall be provided with a minimum of four 20-amp, 120 volt grounding type outlets. Each outlet shall be provided with ground fault detecting circuit breaker protection. The distance between each receptacle location shall not exceed 50 feet.
10. Construction areas, ramps, runways, corridors, offices, shops, and storage areas shall be lighted to not less than the minimum illumination intensities at five (5) foot candles and any additional OSHA Temporary lighting and receptacles exposed to wet or damp locations must be weatherproof. Adequate lighting for safe working conditions and the exterior of the structure shall be provided and maintained on a 24 hour per day basis throughout the building. Voltage of each lighting component must be able to accommodate lighting requirements.
11. Provide Temporary electric and lighting installation, maintenance and removal. Refer to Division 1, specification section 015113 - TEMPORARY ELECTRIC, for specific scope. Provide temporary exterior lighting per specification section 015113 - TEMPORARY ELECTRIC.
12. Include all primary service work, including all utility company related costs/fees for this work and all underground conduit for primary electric service and voice/data service. Include all primary cabling feeding the school from the street service to on-site transformer. Primary voice/data cabling to terminate within the MDF closet per site plan drawings.

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13. Provide concrete for duct banks, light standards, above ground conduit encasement, equipment bases and any other concrete work specifically related to the electrical work. Include requirements of the State and local codes for concrete encasement.
 14. Provide underground conduit/cabling/wiring to all locations within courtyards.
 15. Provide site electric feeding all exterior lighting connected to the building. Provide all underground conduit to site lighting fixtures for data and low voltage cabling for security and communications.
 16. Receive, install, and power all VFD's supplied by the mechanical contractor.
 - ~~17. Provide electric vehicle charging stations. (ADDENDUM 4)~~
 18. Provide rough in and final connection and related work for equipment provided under other contracts (i.e. elevators, HVAC, sprinkler, motorized doors, etc.)
 19. Provide conduits, raceways, and pull strings for low-voltage wiring at doors receiving electronic or security hardware, including associated electronic card readers. Low voltage wiring from the controller to hardware shall be provided by the installing doors and frames contractors. Electrical contractor to install power supply and make final power connections. Final connections of low-voltage wiring to hardware to be provided by special systems contractor. Magnetic Door Hold-Opens are to be furnished by the Doors, Frames, Hardware Contractor to this Contract for installation including power. The special systems contractor will make final connections for the relay to the fire alarm.
 20. Provide power circuits to all systems installed by the Special Systems Contractor including, but not necessarily limited to the following: Wireless Clock System, Intercom/Public Address System, Fire Alarm System, Sound Reinforcement Systems, Access Control System, CCTV System.
 21. Provide power circuits for electrified hold open hardware. Hold open hardware will be supplied by Doors, Frames, and Hardware Contractor, installed by this contractor. Fire alarm wiring, terminations, and programming by Special Systems Contractor. Special Systems Contractor shall provide low-voltage power to door hold open hardware.
 22. Provide conduit, pull strings, and boxes to above accessible ceilings with pull strings for complete audio and audiovisual systems.
 23. Provide all heat tracing.
 24. Provide bonding of all pool equipment per "AP" drawing notes.
 25. Provide grounding of equipment, racks, building columns and interior spaces as required.
 26. Provide all electric baseboard heaters, unit heaters, cabinet unit heaters. Include all disconnects, relays, sensors.

27. Provide boxes, pathways, and pull strings to above accessible ceilings for low voltage cables provided by the Special Services and Structure Cable Contractors.
28. Provide Pull strings, Conduit, and boxes for voice/data boxes to above accessible ceilings.
29. Provide all Equipment bases and housekeeping pads related to Electrical equipment.
30. Include generator and transformer pads.
31. Provide final tie-ins for residential and commercial appliances.
32. The Concrete Contractor shall furnish, install and maintain stone fill under slab. The Sitework Contractor shall leave the building pad site at subgrade to within acceptable tolerances in preparation to receive stone fill. The Mechanical and Electrical Contractors shall complete their work under the slab on grade and shall be responsible to return the pad to the subgrade elevation left by the Sitework Contractor. The Concrete Contractor shall then adjust the select material to final subgrade, fine grade the slab and place the vapor barrier and stone fill.
33. Provide proper coordination with Painting Contractor to ensure that exposed boxes, raceways, and conduit are painted simultaneous to adjacent construction. Any costs that arise from out of sequence painting of exposed boxes, raceways, and conduits will be the responsibility of this Contractor. Provide conduit and boxes for all systems (electric, low-voltage, A/V, network cabling, fire alarm, security, etc) in open ceiling areas.
34. Provide and coordinate permits, testing, and inspections.
35. Provide penetrations through walls, floors, etc. including cutting, patching and fire safing.
36. Testing.
37. Clean up.
38. Provide hoisting, rigging and scaffolding.
39. Provide fully coordinated shop drawings with MEP Trades within 8 weeks from award of project.
40. Submissions will be reviewed once and any resubmittals will be reviewed once. Any other submittals will be billed to the contractor at the Engineers standard rates. Please thoroughly review all submissions prior to forwarding to avoid these costs.
41. All guarantees and warranties to begin at the substantial completion of the entire project. Maintain equipment prior to substantial completion
42. Provide As-built drawings. Maintain an updated red-lined set on-site, available to EDiS upon request.

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43. Contractor must provide additional crews as needed to maintain the project schedule.
 44. In addition to the insurance specified in Section 006216, this contractor will provide Pollution Insurance, with limits of \$2,000,000 per occurrence and \$2,000,000 aggregate
 45. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
 46. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. CSD and EDiS will not be responsible for any lost tools, materials or equipment.
 47. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
 48. Provide BIM services as detailed in spec section 013700 BIM Execution Plan.
 49. BIM Coordination : This contractor will include \$700 in their bid proposal to pay for the licensing agreement with Revizto for BIM Coordination of all trades.
 50. Provide pricing for all alternates as described in Section 012300-Alternates.
 - a. Contractor is to guarantee all alternate pricing for 90 days following submission of a bid proposal. Decisions regarding alternate selection is to be made following receipt of all bid packages.
 51. Provide a \$35,000 allocation to be used at the discretion of the Construction Manager.
 52. **Provide all ladder racks and conduits as shown on telecom details. (ADDENDUM 3)**
 53. **Provide all radiant ceiling panels ("RCP"). Include all disconnects, temperature sensors, and relays. (ADDENDUM 4)**
 54. **Provide all power, controls, lighting, and LED signage at the exterior sign referenced on A-811. (ADDENDUM 4)**

CONTRACT NO. A-27 : SPECIAL SYSTEMS

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 078400	Firestopping
Section 079200	Joint Sealants
Section 083113	Access Doors and Frames
Section 087100	Door Hardware
Section 114000	Food Service Equipment
Section 210505	Fire Suppression System Piping, Fittings & Valves
Section 211000	Water Based Fire Suppression System – Fire Pump
Section 211003	Water Based Fire Suppression System - Sprinklers
Section 270500	Telecommunications Pathways and Spaces
Section 271005	Structured Cabling for Voice and Data – Inside-Plant
Section 275117	Public Address Systems
Section 275313	Wireless Clock System
Section 281000	Access Control (ADDENDUM 4)
Section 281500	Integrated Access Control Hardware Devices
Section 283100	Fire Detection and Alarm
Section 283111	Building Intrusion Detection (ADDENDUM 4)

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide intercom/public address system. Structured Cable Contractor will provide all network cabling including wiring, devices, and terminations at the source (MDF/IDF patch panel) and at the communication port (jack).
2. Provide complete fire alarm system is to be provided by this contractor including all equipment, cable, and accessories. Water flow devices are supplied and installed by the Fire Protection Contractor and wired by this Contractor. Include tie-in to fire sprinkler flow and tamper switch. Fire alarm wiring, terminations, and programming of electrified hold open hardware by Special Systems Contractor. Low voltage power to electrified hold open hardware by Special Systems Contractor. Hold open hardware provided by Carpentry and General Work Contractor.
3. Provide complete intrusion system.

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4. Provide access control and security management system. This Contractor to expand the existing district access system to cover this entire building as indicated. Provide coordination with door and frame installation for a complete system. The contractor responsible for supplying the doors, frames, and hardware shall provide all wiring and accessories from the power supply (or junction box) to the door hardware. The contractor responsible for installation of doors and hardware shall provide terminations from door hardware to door whip, from door whip to power transfer, and from frame whip to power transfer. Frame whip shall be secured and protected by the door, frame, and hardware contractor(s) for the direct access of the Special Systems Contractor. Termination of the frame whip to the power supply (or junction box) shall be provided by the Special Systems Contractor. Power supply shall be furnished by the door, frame, and hardware contractor(s) and installed by the Special Systems Contractor. The Special Systems Contractor shall provide low-voltage wire from the card reader to the access controller, from the status switch (door contact) to the access controller, from access controller to the power supply (or junction box), and from power supply (or junction box) to power supply (or junction box) as necessary. The Electrical Contractor is responsible for providing 120v circuits to all power supplies and/or transformers as indicated in the documents. The Electrical Contractor shall provide conduits, device boxes, raceways, and pull strings for low-voltage wiring at doors receiving electronic, security, or access control hardware. Electrical contractor shall provide a junction box above each door scheduled to receive a card reader and a pathway & pull string. A mock-up shall be field installed and coordinated by all related Contractors for review prior to commencing work.
 5. Provide a complete CCTV - Network Digital Video Management System. Owner shall provide server.
 6. Provide all patch cords from communication port (jack) to each device included in this Contractor's scope. Patch cords at source (MDF/IDF) from patch panel to network switch provided by owner.
 7. Provide coordination of the work of this contract with the Electrical and Structured Cable Contractor, including final equipment locations. This contractor must coordinate with Electrical Contractor as indicated on the drawings and as specified. The Electrical Contractor shall provide all device boxes, conduit and pull strings to circuits for special systems as indicated and also to provide 120 Volt circuits for all Special Systems. This Contractor will be responsible for providing independent support systems, as indicated in the specifications, for all cable and wiring installed by this Contractor in locations where pathways and raceways are not required by the documents.
 8. Interactive screens/displays and mounting brackets will be supplied by Owner and mounted by the Carpentry & General Works Contractor. The Carpentry and General Works Contractor will coordinate blocking with mounting hardware and install all necessary clips and blocking to the wall for hanging. Audio/visual interface and/or controls by Special Systems Contractor.
 9. Hardware for permanent exterior gates will be provided by the Sitework Contractor. Access control hardware/software and fire alarm integrations of gate hardware, including terminations, cabling, etc. will be provided by the Special Systems Contractor. The Electrical Contractors shall

provide all pathways & electrical requirements to support installation.

10. Provide access doors and frames for all access to Special Systems components or equipment that require routine or periodic maintenance. Installation of access doors and frames provided by the Metal Stud & Drywall Contractor.
11. Provide penetrations through walls, floors, etc., including cutting, patching and fire safing.
12. Provide testing for 800 MHZ emergency radio system and provide report for submission to building code officials.
13. Furnish and deliver all duct detectors.
14. Provide all design and coordination necessary to provide complete systems.
15. Provide and coordinate for inspections and testing.
16. Provide fire resistive sealants for the work of this contract.
17. Provide pricing for all alternates as described in Section 012300-Alternates.
18. Submissions will be reviewed once and any resubmittals will be reviewed once. Any other submittals will be billed to the contractor at the Engineers standard rates. Please thoroughly review all submissions prior to forwarding to avoid these costs.
19. Provide video documentation of training on systems.
20. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
21. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.
22. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be incorporated into the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
23. Contractor must provide additional crews as needed to maintain the project schedule.
24. Provide pricing for all alternates as described in Section 012300-Alternates.
25. Provide a \$10,000 allocation to be used at the discretion of the Construction Manager.

CONTRACT NO. A-28: STRUCTURED CABLE

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 078400	Firestopping
Section 079200	Joint Sealants
Section 083100	Access Doors and Frames
Section 087100	Door Hardware
Section 114000	Foodservice Equipment
Section 211300	Fire Suppression Sprinklers
Section 271005	Structure Cabling For Voice And Data – Inside-Plant
Section 281000	Access Control (ADDENDUM 4)
Section 283111	Building Intrusion Detection (ADDENDUM 4)

Section 281500 Integrated Access Control Hardware Devices

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide all network cabling including wiring, devices, and terminations to communication devices identified in plans and referenced on **"Communications Outlet Configuration"**. Two (2) terminations should be provided (1) at the source (MDF/IDF patch panel) and (1) at the communication port (jack) in all instances. **(ADDENDUM 4)**
2. Provide all network cabling including wiring, devices, and terminations for devices provided by the Special Systems Contractor, specifically to devices identified in plans ~~and referenced on "Communications Outlet Configuration" chart.~~ Two (2) terminations should be provided (1) at the source (MDF/IDF patch panel) and (1) at the communication port (jack) in all instances. Structured Cable Contractor will provide cable installation for the following Special Systems Contractor installed systems: **(ADDENDUM 4)**
 - a. Telephone system and voicemail system.
 - b. CCTV - Network Digital Video Management System.
 - c. Access Control (ADDENDUM 4)**
 - d. Building Intrusion Detection (ADDENDUM 4)**
3. The Structured Cable Contractor will provide ONLY network interface (data drops) installation for the following Special Systems Contractor installed systems:
 - a. Fire alarm system

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- b. Intercom/public address system
 - c. **Building Intrusion Detection system (ADDENDUM 4)**
 - d. Access Control
4. Structured Cable Contractor will install communication wiring from the access control panels to the source (MDF/IDF patch panel) including terminations on both ends. Location of access control panels to be coordinated with the documents, the Special Systems Contractor and the Construction Manager prior to installation.
 5. Structured Cable Contractor will install communication wiring from the intrusion control headend to the source (MDF/IDF patch panel) including terminations on both ends. This communication wiring shall include (1) dedicated POTS line from the MDF room to the intrusion control dialer. Location of intrusion control headend to be coordinated with the documents, the Special Systems Contractor and the Construction Manager prior to installation.
 6. Structured Cable Contractor will install communication wiring from the Fire Alarm Control Panel (FACP) to the source (MDF/IDF patch panel) including terminations on both ends. This communication wiring shall include (2) dedicated POTS line from the MDF room to the FACP dialer(s). Location of FACP to be coordinated with the documents, the Special Systems Contractor and the Construction Manager prior to installation.
 7. Structured Cable Contractor will install communication wiring from the intercom/public address amplifiers to the source (MDF/IDF patch panel) including terminations on both ends. Location of amplifiers to be coordinated with the documents, the Special Systems Contractor and the Construction Manager prior to installation. Contractor should assume one amplifier located in each MDF/IDF.
 8. Structured Cable Contractor will install communication wiring from the Building Management System headend to the source (MDF/IDF patch panel). Location of Building Management System headend to be coordinated with the documents, the Mechanical Contractor, and the Construction Manager prior to installation.
 9. Structured Cable Contractor will install all network cable within the kitchen and kitchen hood identified on the Kitchen Equipment Drawings. Final location of network drops to be coordinated with the documents, the Kitchen Equipment Contractor, and the Construction Manager prior to installation.
 10. Structured Cable Contractor will install communication wiring from the food management systems to the POS devices, menu display boards, and temperature monitoring systems, including terminations on both ends. Final location of the food management systems to be coordinated with the documents and the Construction Manager prior to installation.
 11. Provide all wireless access points. Patch cords from device to communication port (jack) provided by this Contractor.
 12. Provide coordination of the work of this contract with the Electrical and Special Systems

Contractor, including final equipment locations. This contractor must coordinate with Electrical Contractor as indicated on the drawings and as specified. The Electrical Contractor shall provide all device boxes, conduit and pull strings to circuits for special systems as indicated. This Contractor will be responsible for providing independent support systems, as indicated in the specifications, for all cable and wiring installed by this Contractor in locations where pathways and raceways are not required by the documents. This Contractor shall provide all additional boxes and conduits where required to make a complete system.

13. Perform certification testing of all cables and provide full close-out documentation.
14. Provide access doors and frames for all access to Structured Cable components or equipment that require routine or periodic maintenance. Installation of access doors and frames provided by the Metal Stud & Drywall Contractor.
15. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
16. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.
17. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be incorporated into the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
18. Contractor must provide additional crews as needed to maintain the project schedule.
19. Provide pricing for all alternates as described in Section 012300-Alternates.
20. Provide a \$5,000 allocation, included in base bid, to be used at the discretion of the Construction Manager.

CONTRACT NO. A-29 - TESTING & BALANCING

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials, and equipment for:

- Technical Specification sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 230593	Testing, Adjusting, and Balancing for HVAC

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide water and air testing and balancing.
2. Contractor shall prepare, at a minimum, a preliminary balance report for the building permit Final Inspection.
3. Submissions will be reviewed once and any resubmittals will be reviewed once. Any other submittals will be billed to the contractor at the Engineers standard rates. Please thoroughly review all submissions prior to forwarding to avoid these costs.
4. Provide complete signed and sealed testing report prior to substantial completion and final inspection as required by the building permit.
5. This contractor has been allotted 30 days to complete all work and provide final, sealed balancing report by the Construction Manager. This contractor will need to work closely with the Construction Manager and all MEP trades to sequence work so that the completion of the balancing is completed in a manner that does not delay acceptance from New Castle County or CSD.
6. Provide confirmation of duct testing completed by Mechanical Contractor.
7. This contractor must provide all lifts or scaffold means to access all elements
8. Provide circulating water system test.
9. Contractor must provide additional crews as needed to maintain the project schedule.
10. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.
11. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.

12. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.
13. Provide pricing for all alternates as described in Section 012300-Alternates.
 - a. Contractor is to guarantee all alternate pricing for 90 days following submission of a bid proposal. Decisions regarding alternate selection is to be made following receipt of all bid packages.

END OF SECTION

SECTION 012300 - ALTERNATES

1. GENERAL PROVISIONS

- A. The general provisions of the Contract, including the Conditions of the Contract (General, Supplementary and other conditions, if any) and Division 1 as appropriate, apply to the Work specified in this Section.
- B. Refer to provisions in AIA Document A232 – 2019 Edition, GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, CONSTRUCTION MANAGER AS ADVISOR EDITION, for requirements in addition to those specified in Division 1.
- C. For work being constructed under separate prime contracts, provisions of this Section apply to each contract being bid.

2. BASE BID

- A. The Base Bid shall consist of all Work shown or specified in the Contract Documents, to which Work may be added or from which Work may be deleted for sums stated in Alternate Bids (if any are required to be stated in the bid).
- B. The Base Bid shall include all work in any Subtractive Alternates specified herein.

3. ALTERNATES

- A. State in the Bid Form, where applicable, the amount to be added to or deducted from the amount of the Base Bid for each Alternate specified.
- B. See Section 002113 - INSTRUCTIONS TO BIDDERS for related information.
- C. The description of Alternates contained herein is in summary form. Detailed requirements for materials and execution shall be as specified in other sections and as shown on drawings.

Alternate No. 1: Provide Additional Walking Surfaces in the Rear Walking Path Area

- 1. State in the Bid Form the amount to be modified to the Base Bid amount to provide additional walking paths as delineated on Sheet C-111A.
- 2. Note that the Base Bid includes providing less area of walking paths in the rear area as delineated on Sheet C-111.

Alternate No. 2: Provide EPDM Playing Surfaces and Concrete Basketball Court at Rear Walking Path Area

- 1. State in the Bid Form the amount to be modified to the Base Bid amount to provide EPDM Playing Surfaces and Concrete Basketball Court at Rear Walking Path Area as shown on Sheet C-111A.

2. Note that the Base Bid includes providing grass in between the walking path areas as shown on Sheet C-111.

Alternate No. 2A: Provide Playground Equipment, Outdoor Fitness Equipment, and Site Furnishings at Rear Walking Path Area

1. State in the Bid Form the amount to be modified to the Base Bid amount to provide Playground Equipment, Outdoor Fitness Equipment, and Site Furnishings as shown in the rear walking path areas on Sheets C-111A/113A/113B/113C.
2. Note that the Base Bid does not include any of the above scope in the rear walking path areas as shown on Sheet C-111.
(ADDENDUM 3)

Alternate No. 3: Provide Synthetic Play Surface in Courtyard #3

1. State in the Bid Form the amount to be modified to the Base Bid amount to provide "Synthetic Turf Play Surface" in Courtyard #3 as shown on Sheet C-111A.
2. Note that the Base Bid includes providing poured EPDM play surface as shown on Sheet C-111. Base bid and alternate should both include providing drainage as delineated on Sheet C-111.

Alternate No. 3A: Provide Playground Equipment, Outdoor Fitness Equipment, and Site Furnishings at Courtyard #2 and #3

1. State in the Bid Form the amount to be modified to the Base Bid amount to provide Playground Equipment, Outdoor Fitness Equipment, and Site Furnishings within Courtyards #2 and #3 as shown on Sheets C-111A/113A/113B/113C.
2. Note that the Base Bid does not include any of the above scope in the Courtyards #2 and #3 as shown on Sheet C-111.
(ADDENDUM 3)

Alternate No. 3B: Provide Site Furnishings at Courtyard #1

1. State in the Bid Form the amount to be modified to the Base Bid amount to provide Site Furnishings within Courtyard #1 as shown on Sheets C-111A/113A/113B/113C.
2. Note that the Base Bid does not include any of the above scope in the Courtyards #1 as shown on Sheet C-111.
(ADDENDUM 4)

Alternate No. 4: Eliminate east parking area.

1. State in the Bid Form the amount to be modified to the Base Bid amount to eliminate the west parking area (concrete curbs/island, asphalt paving, striping), extending the east grasses and concrete curb to border the "FIRE LANE". Storm drain piping and structures are to be installed as shown under both the base bid and alternate.
2. Note that the Base Bid includes providing the west parking lot including concrete curbs/island, asphalt paving, striping, Lighting.

~~Alternate No. 5: Provide Pergola in Courtyard #3~~

- ~~1. State in the Bid Form the amount to be modified to the Base Bid amount to provide the Pergola in Courtyard #3 as detailed.~~
- ~~2. Note that the Base Bid includes providing anchoring in the building wall and concrete foundations for the future installation of a pergola in this location.~~
(ADDENDUM 4)

Alternate No. 6: Face Brick Alternate Product

1. State in the Bid Form the amount to be modified to the Base Bid amount to provide Bowerston Santa Fe Smooth Modular bricks in lieu of the base bid selection.
2. Note that the Base Bid includes providing Belden Modular Commodore Full Smooth, 20-09 bricks.

~~Alternate No. 7: Modify Selected Interior Partitions from Masonry to Drywall~~

- ~~1. State in the Bid Form the amount to be modified to the Base Bid amount to replace selected interior masonry partitions to full height drywall partitions.~~
- ~~2. Note that the Base Bid includes providing masonry partitions as shown on the base bid documents.~~
(ADDENDUM 4)

Alternate No. 8: Reduce Drywall Soffits

1. State in the Bid Form the amount to be modified to the Base Bid amount to provide additional drywall soffits in the classrooms and corridors as shown on the reflected ceiling drawings.
2. Note that the Base Bid includes providing valances above the casework and continuing the acoustical ceiling to the walls and lighting as shown on the base bid drawings.

Alternate No. 9: Add Vocational Kitchen Equipment

1. State in the Bid Form the amount to be modified to the Base Bid amount to supply and install the vocational kitchen equipment shown in the Vocational Kitchen.

Added costs are to include final tie-in to new equipment by the mechanical, electrical, and controls contractors.

2. Note that the Base Bid includes providing MEP rough-ins throughout the vocational kitchen space.

Alternate No. 10: Add Greenhouse in Courtyard #2

1. State in the Bid Form the amount to be modified to the Base Bid amount to supply and install the greenhouse as detailed on Sheet A-850. Masonry contractor is to provide masonry walls above grade. Plumbing, electrical, and mechanical contractors to include costs for final connections to Greenhouse Equipment.
2. Note that the Base Bid includes providing concrete footers, masonry foundations to grade (no rebar is to extend above grade, epoxy anchors will be utilized in the future), concrete slabs, and MEP rough-ins within the courtyard as detailed in the base bid drawings. Stone for the drainage trenches is to be provided by Contract A-03 : Concrete.

Alternate No. 11: Excess Soils Export

1. State in the Bid Form the amount to be modified to the Base Bid amount to export all excess soils to a location selected by the sitework contractor.
2. Note that the Base Bid includes the export of 20,000 cy of excess soils to the upcoming William Penn High School project. Contract A-01 : Sitework is to include loading trucks supplied by site contractor at the high school project only (no transport required by this Contract A-01). Any additional loading of soils beyond the 20,000 cy stated is to be handled on a unit cost basis. Contract A-01 : Sitework is to provide removal of all remaining excess soils from site.

Alternate No. 12: Mineral Fiber Board Insulation over Weather Barrier

1. State in the Bid Form the amount to be modified to the Base Bid amount to provide mineral fiber board insulation over weather barrier on exterior walls under exterior cladding as an alternate to the specified closed-cell spray foam with intumescent coating.
2. Note that the Base Bid includes closed-cell spray foam with intumescent coating on exterior walls under exterior cladding.
(ADDENDUM 4)

Alternate No. 13: Automatic Entrances Ballistic Rating

1. State in the Bid Form the amount to be modified to the Base Bid amount to provide "ballistic protection up to a level 1 rating" as an alternate to "ballistic protection up to a level 3".
2. Note that the Base Bid includes ballistic protection up to a level 1 rating at Automatic Entrances.
(ADDENDUM 4)

Alternate No. 14: Automatic Entrances Bullet Resistant Glazing Rating

1. State in the Bid Form the amount to be modified to the Base Bid amount to provide “glazing for sliding automatic entrances; UL Level 1 Bullet Resistant Glazing Material” as an alternate to “glazing for sliding automatic entrances; UL Level 3 BALULN25 Glazing Material” (per spec 084229).
2. Note that the Base Bid includes “glazing for sliding automatic entrances; UL Level 3 BALULN25 Glazing Material” (per 084229).
(ADDENDUM 4)

Alternate No. 15: Security Windows Bullet-Resistant Glazing Material

1. State in the Bid Form the amount to be modified to the Base Bid amount to provide Bullet Resistant Level 3 (1-1/4” LP 1250 Laminated) glazing material as an alternate to Bullet Resistant Level 1 (3/4” LP 750 Laminated) glazing material at security windows (per 085653).
2. Note that the Base Bid includes Bullet Resistant Level 1 (3/4” LP 750 Laminated) glazing material at security windows (per 085653).
(ADDENDUM 4)

END OF SECTION

SECTION 04 20 00
UNIT MASONRY

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Concrete Block.
- B. Clay Facing Brick.
- C. Reinforcement and Anchorage.
- D. Installing Flashings.
- E. Lintels.
- F. Accessories.

1.02 RELATED REQUIREMENTS

- A. Section 01 78 39 - Construction Waste Management and Disposal: Limitations on disposal of removed materials; requirements for recycling.
- B. Section 03 30 00 - Cast-in-Place Concrete: Reinforcing steel.
- C. Section 04 05 11 - Masonry Mortaring and Grouting.
- D. Section 05 50 00 - Metal Fabrications: Loose steel lintels and fabricated steel items.
- E. Section 07 21 00 - Thermal Insulation: Insulation for cavity spaces.
- F. Section 07 84 00 - Firestopping: Firestopping at penetrations of fire-rated masonry and at top of fire-rated walls.
- G. Section 07 92 00 - Joint Sealants: Sealing control and expansion joints.

1.03 REFERENCE STANDARDS

- A. See Structural Drawings for additional Reference Standards.
- B. TMS 402/602 - Building Code Requirements and Specification for Masonry Structures; 2016.
- C. ACI 530.1/ASCE 6/TMS 602 - Specification For Masonry Structures; American Concrete Institute International; 2008.
- D. ASTM A82/A82M - Standard Specification for Steel Wire, Plain, for Concrete Reinforcement; 2007.
- E. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; 2009.
- F. ASTM A240/A240M - Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications; 2019.
- G. ASTM A580/A580M - Standard Specification for Stainless Steel Wire; 2018.
- H. ASTM A615/A615M - Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement; 2018, with Editorial Revision.
- I. ASTM A641/A641M - Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire; 2019.
- J. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2015.
- K. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2015.
- L. ASTM A951/A951M - Standard Specification for Steel Wire for Masonry Joint Reinforcement; 2016, with Editorial Revision (2018).
- M. ASTM A1064/A1064M - Standard Specification for Carbon-Steel Wire and Welded Wire Reinforcement, Plain and Deformed, for Concrete; 2018a.

- N. ASTM B370 - Standard Specification for Copper Sheet and Strip for Building Construction; 2012 (Reapproved 2019).
- O. ASTM C62 - Standard Specification for Building Brick (Solid Masonry Units Made From Clay or Shale); 2017.
- P. ASTM C67 - Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile; 2017.
- Q. ASTM C90 - Standard Specification for Loadbearing Concrete Masonry Units; 2016a.
- R. ASTM C129 - Standard Specification for Nonloadbearing Concrete Masonry Units; 2017.
- S. ASTM C140/C140M - Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units; 2018a.
- T. ASTM C144 - Standard Specification for Aggregate for Masonry Mortar; 2018.
- U. ASTM C150/C150M - Standard Specification for Portland Cement; 2019a.
- V. ASTM C207 - Standard Specification for Hydrated Lime for Masonry Purposes; 2018.
- W. ASTM C216 - Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale); 2019.
- X. ASTM C270 - Standard Specification for Mortar for Unit Masonry; 2019.
- Y. ASTM C404 - Standard Specification for Aggregates for Masonry Grout; 2018.
- Z. ASTM C476 - Standard Specification for Grout for Masonry; 2019.
- AA. ASTM C652 - Standard Specification for Hollow Brick (Hollow Masonry Units Made From Clay or Shale); 2019b.
- AB. ASTM C744 - Standard Specification for Prefaced Concrete and Calcium Silicate Masonry Units; 2016.
- AC. ASTM C780 - Standard Test Method for Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry; 2019.
- AD. BIA Technical Notes No. 7 - Water Penetration Resistance – Design and Detailing; 2017.
- AE. TMS 402/602 - Building Code Requirements and Specification for Masonry Structures; 2016.
- AF. IMIABC (CW) - Recommended Practices & Guide Specifications for Cold Weather Masonry Construction; International Masonry Industry All-Weather Council; 1993.
- AG. IMIABC (HW) - Recommended Practices & Guide Specifications for Hot Weather Masonry Construction; International Masonry Industry All-Weather Council; current edition.
- AH. UL (FRD) - Fire Resistance Directory; current edition.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements.
- B. Product Data: Provide data for masonry units, fabricated wire reinforcement, mortar, and masonry accessories.
- C. Samples: Submit four samples of facing brick units to illustrate color, texture, and extremes of color range.
- D. Manufacturer's Certificate: Certify that masonry units and brick meet or exceed specified requirements.
- E. Certify that concrete masonry units used in firewall assemblies are of minimum equivalent thickness of 4" and that there is no calcareous or siliceous gravel aggregate used.
- F. See Structural Drawings for additional Submittal Requirements.

1.05 QUALITY ASSURANCE

- A. Comply with provisions of TMS 402/602, except where exceeded by requirements of the contract documents.
 - 1. Maintain one copy of each document on project site.

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- B. Fire Rated Assemblies: Conform to applicable code for UL Assembly No.
- C. Manufacturer Qualifications: Company specializing in manufacturing the type of products specified in this section with minimum ten years of documented experience.

1.06 MOCK-UP

- A. Products of this section are to be included in full exterior wall construction mock-up panel as indicated on the drawings.
 - 1. Wall construction mock-up shall be utilized to confirm material and color selections.
 - 2. Wall construction mock-up shall demonstrate construction detail and quality and shall serve as benchmark for construction.
 - 3. Wall construction mock-up shall remain in place throughout construction of the building envelope and shall only be removed upon direction from the A/E.
 - 4. Locate mock-up where directed by Architect/Engineer.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, handle, and store masonry units by means that will prevent mechanical damage and contamination by other materials.

1.08 ENVIRONMENTAL REQUIREMENTS

- A. Maintain materials and surrounding air temperature to minimum 40 degrees F prior to, during, and 48 hours after completion of masonry work.
- B. Maintain materials and surrounding air temperature to maximum 90 degrees F prior to, during, and 48 hours after completion of masonry work.

1.09 EXTRA MATERIALS

- A. See Section 01 60 00 - Product Requirements, for additional provisions.
- B. Provide 50 of each size, color, and type of brick units for Owner use in maintenance of project.

PART 2 PRODUCTS

2.01 GENERAL

- A. See Structural Drawings for additional product requirements.

2.02 CONCRETE MASONRY UNITS

- A. Concrete Block: Comply with referenced standards fire rated, non fire rated and as follows:
 - 1. Size: Standard units with nominal face dimensions of 16 x 8 inches and nominal depth of 2, 4, 6, 8 inches, 10, 12, 14, 16 inches and/or as indicated on drawings.
 - 2. Special Shapes: Provide non-standard blocks configured for bull nose corners, lintels, headers, control joint edges, and bond beams and other conditions.
 - a. **Provide bullnose units for outside corners.**
 - b. Provide shaped units to form 135 degree inside corners and outside corners.
 - 3. Load-Bearing Units: ASTM C90, normal weight.
 - a. Both hollow and solid block, as indicated.
 - 1) Supply grade N for all CMU construction.
 - b. Exposed faces: Manufacturer's standard color and texture. Corridor walls to have ground face block where indicated.
 - c. Exposed corners to be bull nose.
 - d. First course is square to accommodate cove base.
 - 4. Non-Loadbearing Units: ASTM C129.
 - a. Both hollow and solid block, as indicated.
 - b. Normal weight.
 - c. Exposed corners to be bull nose.
 - d. First course is square to accommodate cove base.

2.03 BRICK UNITS

- A. Manufacturers:
 - 1. Belden Brick; Commodore Full, Smooth, 20-09, Utility Size: www.beldenbrick.com/#sle.
 - 2. Bowerston Shale Company; Sante Fe Smooth, Utility Size: www.bowerstonshale.com/#sle.
 - 3. A/E Approved Equal: Proposed equal must be submitted and approved prior to submission of bids..
- B. Facing Brick: ASTM C216, Type FBS, Grade SW.
 - 1. Color and texture to match Architect's sample.
 - 2. Nominal size:
 - a. 4 x 4 x 12 inch, nominal size at building.
 - b. 4 x 4 x 8 inch, nominal size at canopy piers.
 - 3. Special shapes: Molded units as required by conditions indicated, unless standard units can be sawn to produce equivalent effect.
 - a. Provide shaped units to form 135 degree inside corners and outside corners.
 - 4. Basis of Design: Belden Brick Company, Modular Commodore Full, Smooth, 20-09.

2.04 MORTAR AND GROUT MATERIALS

- A. Mortar and grout: As specified in Section 04 05 11.

2.05 REINFORCEMENT AND ANCHORAGE

- A. Manufacturers of Joint Reinforcement and Anchors:
 - 1. Dur-O-Wal: www.dur-o-wal.com.
 - 2. Hohmann & Barnard, Inc: www.h-b.com.
 - 3. WIRE-BOND: www.wirebond.com/#sle.
 - 4. A/E Approved Equivalent.
 - 5. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Reinforcing Steel: ASTM A615/A615M Grade 40 (280) deformed billet bars. uncoated
- C. Joint Reinforcement: Use ladder type joint reinforcement where vertical reinforcement is involved and truss type elsewhere, unless otherwise indicated.
- D. Single Wythe Joint Reinforcement: ASTM A951/A951M.
 - 1. Type: Truss or ladder.
 - 2. Material: ASTM A1064/A1064M steel wire, mill galvanized to ASTM A641/A641M, Class 3.
 - 3. Size: 0.1875 inch side rods with 0.1483 inch cross rods; width as required to provide not less than 5/8 inch of mortar coverage on each exposure.
- E. Adjustable Multiple Wythe Joint Reinforcement: ASTM A951/A951M.
 - 1. Type: Truss, with adjustable, two-let, hooked ties spaced at 16 in on center.
 - 2. Material: ASTM A1064/A1064M steel wire, hot dip galvanized after fabrication to ASTM A153/A153M, Class B.
 - 3. Size: 0.1875 inch side rods with 0.1483 inch cross rods and adjustable components of 0.1875 inch wire, width of components as required to provide not less than 5/8 inch of mortar coverage from each masonry face.
 - 4. Vertical adjustment: Not more than 2 inches.
- F. Flexible Anchors: 2-piece anchors that permit differential movement between masonry and building frame, sized to provide not more than 1 inch and not less than 1/2 inch of mortar coverage from masonry face.
 - 1. Steel frame: Crimped wire anchors for welding to frame, 0.25 inch thick, with trapezoidal wire ties 0.1875 inch thick, hot dip galvanized to ASTM A 153/A 153M, Class B-2.

2.06 FLASHINGS

- A. Metal Flashing Materials:

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1. Stainless Steel Flashing: ASTM A666, Type 304, soft temper; 26 gauge, 0.0187 inch thick; finish 2B to 2D.
- B. Stainless Steel/Polymer Fabric Flashing: ASTM A240/A240M; 2 mil type 304 stainless steel sheet bonded on one side to one sheet of polymer fabric.
 1. Manufacturers:
 - a. 3GEN Masonry Products: www.3genmp.com/#sle.
 - b. Hohmann & Barnard, Inc; Mighty-Flash Stainless Flashing: www.h-b.com/#sle.
 - c. York Flashings: www.yorkflashings.com/#sle.
 - d. Substitutions: See Section 01 60 00 - Product Requirements.
 2. Accessories:
 - a. Two-piece, interlocking cavity wall flasing configured as indicated on drawings.
 - 1) Piece One: Installed at CMU wall with horizontal leg to bridge cavity insulation and down-turned outer leg with receiver for Piece Two.
 - 2) Piece Two: Installed with interlock to Piece One with horizontal let to bridge cavity and extend through facing brick with downturned, hemmed edge.
 - b. Hemmed stainless steel drip plate.
- C. Flashing Sealant/Adhesives: Silicone, polyurethane, or silyl-terminated polyether/polyurethane or other type required or recommended by flashing manufacturer; type capable of adhering to type of flashing used.
- D. Termination Bars: Stainless steel; compatible with membrane and adhesives.
- E. Lap Sealants and Tapes: As recommended by flashing manufacturer; compatible with membrane and adhesives.

2.07 ACCESSORIES

- A. Preformed Control Joints: Rubber or neoprene material.
 1. Manufacturers:
 - a. Blok-Lok Limited: www.blok-lok.com/#sle.
 - b. Dur-O-Wal: www.dur-o-wal.com.
 - c. Hohmann & Barnard, Inc (including Dur-O-Wal brand); Product RS or VS: www.h-b.com/#sle.
 - d. WIRE-BOND: www.wirebond.com/#sle.
 - e. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Joint Filler: Closed cell polyethylene; polyurethane or rubber oversized 50 percent to joint width; self expanding; 1 inch wide design width x by maximum lengths available.
- C. Reglets: As specified on Section 07 62 00.
- D. Cavity Mortar Control: Semi-rigid polyethylene or polyester mesh panels, sized to thickness of wall cavity, and designed to prevent mortar droppings from clogging weeps and cavity vents and allow proper cavity drainage.
 1. Mortar Diverter: Stepped panels designed for installation at flashing locations.
 - a. Manufacturers:
 - 1) Advanced Building Products, Inc: www.advancedbuildingproducts.com/#sle.
 - 2) Advanced Building Products Inc: www.advancedbuildingproducts.com/#sle.
 - 3) Mortar Net Solutions: www.mortarnet.com.
 - 4) Substitutions: See Section 01 60 00 - Product Requirements.
- E. Weeps: Molded PVC grilles, insect resistant.
 1. Color(s): As selected by Architect from manufacturer's full range.
 2. Manufacturers:
 - a. Advanced Building Products, Inc: www.advancedbuildingproducts.com/#sle.
 - b. Hohmann & Barnard, Inc: www.h-b.com/#sle.
 - c. Masonry Technology, Inc: www.mtidry.com/#sle.
 - d. Mortar Net Solutions: www.mortarnet.com/#sle.
 - e. A/E Approved Equivalent.

- f. Substitutions: See Section 01 60 00 - Product Requirements.
- F. Cavity Vents: Polyester mesh; insect resistant or polypropylene extrusion.
 - 1. Same as weeps.
- G. Cleaning Solution: Non-acidic, not harmful to masonry work or adjacent materials.

2.08 LINTELS

- A. See Structural Drawings and 05 50 00 - Metal Fabrications for loose lintels.

2.09 MORTAR AND GROUT MIXES

- A. Mortar and Grout mixes as specified in Section 04 05 11.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that field conditions are acceptable and are ready to receive masonry.
- B. Verify that related items provided under other sections are properly sized and located.
- C. Verify that built-in items are in proper location, and ready for roughing into masonry work.

3.02 PREPARATION

- A. Direct and coordinate placement of items supplied for installation under other sections.
- B. Provide temporary bracing during installation of masonry work. Maintain in place until building structure provides permanent bracing.

3.03 COLD AND HOT WEATHER REQUIREMENTS

- A. Comply with requirements of TMS 402/602 or applicable building code, whichever is more stringent.

3.04 COURSING

- A. Establish lines, levels, and coursing indicated. Protect from displacement.
- B. Maintain masonry courses to uniform dimension. Form vertical and horizontal joints of uniform thickness.
- C. Concrete Masonry Units:
 - 1. Bond: Running.
 - 2. Coursing: One units and one mortar joint to equal 8 inches.
 - 3. Common CMU Mortar Joints: Concave struck.
 - 4. Use flush joint on cavity side face of CMU where fluid applied air and vapor barrier is applied.
- D. Brick Units:
 - 1. Bond: Running; One-third bond.
 - 2. Vertical Coursing: Two units and two mortar joints to equal 8 inches.
 - 3. Mortar Joints: Concave.

3.05 PLACING AND BONDING

- A. Lay solid masonry units in full bed of mortar, with full head joints, uniformly jointed with other work.
- B. Lay hollow masonry units with face shell bedding on head and bed joints.
- C. Buttering corners of joints or excessive furrowing of mortar joints is not permitted.
- D. Remove excess mortar and mortar smears as work progresses.
- E. Interlock intersections and external corners.
- F. Do not shift or tap masonry units after mortar has achieved initial set. Where adjustment must be made, remove mortar and replace.
- G. Set reglets as shown on plans.

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- H. Perform job site cutting of masonry units with proper tools to provide straight, clean, unchipped edges. Prevent broken masonry unit corners or edges.
- I. Cut mortar joints flush where wall tile is scheduled, cement parging is required, or resilient base is scheduled. Block exposed cavity space with raiseable steel guard of correct width.
- J. Isolate masonry partitions from vertical structural framing members with a control joint as indicated.
- K. Isolate top joint of masonry partitions from horizontal structural framing members and slabs or decks with compressible joint filler.

3.06 WEEPS

- A. Install weeps in veneer walls at 24 inches on center horizontally above opening, above through-wall flashing, above shelf angles and lintels, at bottom of walls, and as shown on drawings.
- B. Install cavity vents in veneer and cavity walls at 24 inches on center horizontally below shelf angles and lintels and near top of walls.

3.07 CAVITY MORTAR CONTROL

- A. Do not permit mortar to drop or accumulate into cavity air space or to plug weep/cavity vents.
- B. For cavity walls, build inner wythe ahead of outer wythe to accommodate accessories.
- C. Install cavity mortar diverter at base of cavity, at all through-wall flashing locations, and at other flashing locations as recommended by manufacturer to prevent mortar droppings from blocking weep/cavity vents.

3.08 REINFORCEMENT AND ANCHORAGE - GENERAL

- A. Unless otherwise indicated on drawings or specified under specific wall type, install horizontal joint reinforcement 16 inches on center.
- B. Place masonry joint reinforcement in first and second horizontal joints above and below openings. Extend minimum 16 inches each side of opening.
- C. Place continuous joint reinforcement in first and second joint below top of walls.
- D. Embed longitudinal wires of joint reinforcement in mortar joint with at least 5/8 inch mortar cover on each side.
- E. Lap joint reinforcement ends minimum 8 inches.
- F. Reinforce stack bonded unit joint corners and intersections with strap anchors 16 inches on center.
- G. Fasten anchors to structural framing and embed in masonry joints as masonry is laid. Unless otherwise indicated on drawings or closer spacing is indicated under specific wall type, space anchors at maximum of 16 inches horizontally and 16 inches vertically.
- H. Embed ties and anchors in mortar joint and extend into masonry unit a minimum of 1-1/2 inches with at least 5/8 inch mortar cover to the outside face of the anchor.

3.09 REINFORCEMENT AND ANCHORAGE - SINGLE WYTHE MASONRY

- A. Install horizontal joint reinforcement 16 inches on center.
- B. Place masonry joint reinforcement in first and second horizontal joints above and below openings. Extend minimum 16 inches each side of opening.
- C. Place continuous joint reinforcement in first and second joint below top of walls.
- D. Lap joint reinforcement ends minimum 6 inches.
- E. Reinforce joint corners and intersections with strap anchors 16 inches on center.

3.10 REINFORCEMENT AND ANCHORAGES - MULTIPLE WYTHE UNIT MASONRY

- A. Place masonry joint reinforcement in first and second horizontal joints above and below openings. Extend minimum 16 inches each side of opening.

- B. Place continuous joint reinforcement in first and second joint below top of walls.
- C. Install reglets or embed top of flashing in masonry inner wythe joints.
- D. Use individual metal ties installed in horizontal joints to bond wythes together. Provide ties spaced as shown on the drawings.
- E. Support and secure reinforcing bars from displacement. Maintain position within 1/2 inch of dimensioned position.
- F. Fasten anchors to structural framing and embed in masonry joints as masonry is laid. Space anchors at maximum of 16 inches horizontally and 16 inches vertically.
- G. Reinforce joint corners and intersections with strap anchors 16 inches on center.

3.11 MASONRY FLASHINGS

- A. Whether or not specifically indicated, install masonry flashing to divert water to exterior at all locations where downward flow of water will be interrupted.
 - 1. Extend flashings full width at such interruptions and at least 8 inches into adjacent masonry and turn up at least 2 inches to form watertight pan at non-masonry construction.
 - 2. Remove or cover protrusions or sharp edges that could puncture flashings.
 - 3. Seal lapped ends and penetrations of flashing before covering with mortar.
- B. Terminate flashing up 8 inches minimum on vertical surface of backing:
 - 1. Install vertical leg of flashing over fluid-applied or self-adhered air/vapor barriers over backing or per manufacturer's directions.
 - 2. Terminate vertical leg of flashing into bed joint in masonry or reglet in concrete.
 - 3. Anchor vertical leg of flashing into backing with a termination bar and sealant.
 - 4. Apply cap bead of sealant on top edge of self-adhered flashing.
- C. Install flashing in accordance with manufacturer's instructions and BIA Technical Notes No. 7.
- D. Extend metal flashings through exterior face of masonry and turn down to form drip with hemmed edge. Install joint sealer below drip edge to prevent moisture migration under flashing.
- E. Lap end joints of flashings at least 4 inches and seal watertight with mastic or elastic sealant, type as recommended by flashing manufacturer.

3.12 LINTELS

- A. Install loose steel lintels over masonry all openings where other structural lintels are not shown on drawings.
- B. Maintain minimum 8 inch bearing on each side of opening.

3.13 GROUTED COMPONENTS

- A. Reinforce bond beams as shown on plans.
- B. Lap splices minimum 40 bar diameters.
- C. Support and secure reinforcing bars from displacement. Maintain position within 1/2 inch of dimensioned position.
- D. Place and consolidate grout fill without displacing reinforcing.
- E. At bearing locations, fill masonry cores with grout for a minimum 12 inches either side of opening.

3.14 CONTROL AND EXPANSION JOINTS

- A. Do not continue horizontal joint reinforcement through control and expansion joints.
- B. Form control joint with a sheet building paper bond breaker fitted to one side of the hollow contour end of the block unit. Fill the resultant core with grout fill. Rake joint at exposed unit faces for placement of backer rod and sealant.
- C. Install preformed control joint device in continuous lengths. Seal butt and corner joints in accordance with manufacturer's instructions.
- D. Form expansion joint as detailed.

- E. Locate per drawings.

3.15 BUILT-IN WORK

- A. As work progresses, install built-in metal door frames, glazed frames, fabricated metal frames, window frames, anchor bolts, plates, and boxes and other items to be built into the work and furnished under other sections.
- B. Install built-in items plumb, level, and true to line.
- C. Bed anchors of metal door and glazed frames in adjacent mortar joints. Fill frame voids solid with grout.
 - 1. Fill adjacent masonry cores with grout minimum 12 inches from framed openings.
- D. Do not build into masonry construction organic materials that are subject to deterioration.

3.16 TOLERANCES

- A. Maximum Variation from Alignment of Columns and Pilasters: 1/8 inch.
- B. Maximum Variation From Unit to Adjacent Unit: 1/16 inch.
- C. Maximum Variation from Plane of Wall: 1/4 inch in 10 ft.
- D. Maximum Variation from Plumb: 1/4 inch per story non-cumulative; 1/2 inch in two stories or more.
- E. Maximum Variation from Level Coursing: 1/8 inch in 3 ft and 1/4 inch in 20ft.
- F. Maximum Variation of Joint Thickness: 1/8 inch in 3 ft.
- G. Maximum Variation from Cross Sectional Thickness of Walls: 1/4 inch.

3.17 CUTTING AND FITTING

- A. Cut and fit for chases, pipes, conduit, sleeves, and grounds. Coordinate with other sections of work to provide correct size, shape, and location.
- B. Obtain approval prior to cutting or fitting masonry work not indicated or where appearance or strength of masonry work may be impaired.

3.18 FIELD QUALITY CONTROL

- A. Clay Masonry Unit Tests: Test each variety of clay masonry in accordance with ASTM C67 requirements, sampling 5 randomly chosen units for each 50,000 installed.
- B. Concrete Masonry Unit Tests: Test each variety of concrete unit masonry in accordance with ASTM C140 for conformance to requirements of this specification.
- C. Mortar Tests: Test each type of mortar in accordance with ASTM C780, testing with same frequency as masonry samples.

3.19 CLEANING

- A. Remove excess mortar and mortar droppings.
- B. Replace defective mortar. Match adjacent work.
- C. Clean soiled surfaces with cleaning solution.
- D. Use non-metallic tools in cleaning operations.

3.20 PROTECTION

- A. Without damaging completed work, provide protective boards at exposed external corners that are subject to damage by construction activities.

END OF SECTION

SECTION 07 12 00
BUILT-UP BITUMINOUS WATERPROOFING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Cold applied asphaltic waterproofing.
- B. Cant strips.
- C. Drainage panels.

1.02 REFERENCE STANDARDS

- A. ASTM D41/D41M - Standard Specification for Asphalt Primer Used in Roofing, Dampproofing, and Waterproofing; 2011 (Reapproved 2023).
- B. NRCA (WM) - The NRCA Waterproofing Manual; 2005.

1.03 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide properties of primer, bitumen, mastics, and characteristics of reinforcement fabric.
- C. Shop Drawings: Indicate flashings, control joints and expansion joints, sealing at openings, projections, penetrations, and reglets, and waterproofing of holes, slots, and sleeves.
- D. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.

1.04 QUALITY ASSURANCE

- A. Manufacture Qualifications: Company specializing in performing work of the type specified and with at least ten years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of the type specified and with at least five years of documented experience.

1.05 FIELD CONDITIONS

- A. Maintain ambient temperatures above 40 degrees F for 24 hours before and during application until membrane has cured.

1.06 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.
- B. Contractor shall correct defective work within a 5-year period after Date of Substantial Completion; remove and replace materials concealing waterproofing at no extra cost to Owner.
- C. Provide 5-year manufacturer warranty against failure of waterproofing to resist penetration of water, except where such failures are the result of structural failures of building.

PART 2 PRODUCTS

2.01 WATERPROOFING APPLICATIONS

- A. Retaining wall.

2.02 COLD ASPHALTIC MATERIALS

- A. Cold-Applied, Moisture Cured, Waterproofing Membrane.
 - 1. Basis-of-Design: W.R. Meadows, Vertibarrier NS.
 - 2. Description: Single-component, cold-applied, solvent-free, water-activated, waterproofing system.
 - a. Solids by Weight: 93-99%.
 - b. Solids by Volume: 82-98%.
 - c. Hydrostatic Pressure Resistance at 60 mils: 100 PSI.
 - d. Tear Resistance: 100 PLI.
 - e. Tensile Strength: 350 psi.

- f. Elongation Break: 550%
- g. Permiability at 60 mils: 1.15 perms
- h. Shore A Hardness: 25.
- 3. Installed Thickness: 60 mil.

- B. Asphalt Primer: ASTM D41/D41M, compatible with substrate.

2.03 ACCESSORIES

- A. Rolled Matrix Drainage System
 - 1. W.R. Meadows, Mel-Drain.
- B. Cant Strips: Premolded composition material.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify substrate surfaces are durable and free of matter detrimental to adhesion or application of waterproofing system.
- B. Verify that items that penetrate surfaces to receive waterproofing are securely installed.

3.02 PREPARATION

- A. Protect adjacent surfaces not designated to receive waterproofing.
- B. Clean and prepare surfaces to receive waterproofing in accordance with manufacturer's instructions.

3.03 INSTALLATION

- A. Install waterproofing in compliance with NRCA (WM) and applicable requirements.
- B. Prime surfaces at a rate approved by manufacturer for application indicated, and allow primer to dry thoroughly.
- C. Apply waterproofing by roller or trowel in a single coat application of 60 mils.
- D. Rolled Matrix Drainage System
 - 1. Place core side directly against waterproofing material.
 - 2. Utilize manufacturer recommended adhesives to secure drainage system.
 - 3. Overlap core lip of adjacent panels to provide a continuous drainage layer.

3.04 PROTECTION

- A. Protect membrane and board from damage.

END OF SECTION

SECTION 07 42 13
METAL WALL PANELS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Manufactured metal panels for exterior wall panels and soffit panels, with insulation, related flashings, and accessory components.

1.02 RELATED REQUIREMENTS

- A. Section 05 40 00 - Cold-Formed Metal Framing: Wall panel substrate.
- B. Section 07 92 00 - Joint Sealants: Sealing joints between metal wall panel system and adjacent construction.

1.03 REFERENCE STANDARDS

- A. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels; 2013.
- B. AAMA 609 & 610 - Cleaning and Maintenance Guide for Architecturally Finished Aluminum (Combined Document); 2015.
- C. ASHRAE Std 90.1 I-P - Energy Standard for Buildings Except Low-Rise Residential Buildings; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- D. ASTM B209/B209M - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate; 2021.
- E. NFPA 285 - Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components; 2019.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data - Wall System: Manufacturer's data sheets on each product to be used, including:
 - 1. Physical characteristics of components shown on shop drawings.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation instructions and recommendations.
- C. Shop Drawings: Indicate dimensions, layout, joints, construction details, support clips, and methods of anchorage.
- D. Samples: Submit two samples of wall panel and soffit panel, 12 inches by 12 inches in size illustrating finish color, sheen, and texture.
- E. Manufacturer's qualification statement.
- F. Installer's qualification statement.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum twenty years of documented experience.
- B. Installer Qualifications: Company specializing in installing products specified in this section with minimum ten years of documented experience.

1.06 DESIGN AND PERFORMANCE CRITERIA.

- A. General Performance: Metal wall panel assemblies shall be furnished and installed without failure due to defective manufacture, fabrication, installation, or other defects in construction.
- B. Rainscreen Wall System Performance Rating. The metal wall panel assemblies, and the sub-structural furring/framing system supporting the panels shall be tested in accordance with AAMA 509 and achieve the following performance results:
 - 1. Water Infiltration: The water infiltration performance of the metal wall panel assembly shall not exceed the classification of W-1.

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2. Back Ventilation: The air ventilation performance of the rainscreen cavity air space shall have a minimum classification of V-4.
- C. Rainscreen Wall System Performance Rating. The metal wall panel assemblies, and the sub-structural furring/framing system supporting the panels shall be tested in accordance with AAMA 508-07 and achieve the following performance results: PASS.
- D. Thermal Expansion and Contraction.
 1. Completed metal wall panel and flashing system shall be capable of withstanding expansion and contraction of components caused by changes in temperature without buckling, or reducing performance ability.
 2. The design temperature differential shall be not less than 220 degrees Fahrenheit.
 3. Interface between panel and clip shall provide for unlimited thermal movement in each direction along the longitudinal direction.
- E. Uniform Wind Load Capacity.
 1. Installed wall system shall withstand negative wind pressures complying with the following criteria.
 - a. Design Code: ASCE 7, Method 2 for Components and Cladding.
 - b. Safety Factor: The metal panel system shall be tested to proof load of 1.5 times the design service load condition, as required by the ASTM E330 method.
 - c. Risk Category III.
 - d. Exposure Category C.
 - e. Ultimate Design Wind Speed: 122 mph.
 - f. Nominal Design Wind Speed: 95 mph,
 - g. Height at Top of Wall System: 31 feet.

1.07 MOCK-UPS

- A. Products of this section are to be included in full exterior wall construction mock-up panel as indicated on the drawings.
 1. Wall construction mock-up shall be utilized to confirm material and color selections.
 2. Wall construction mock-up shall demonstrate construction detail and quality and shall serve as benchmark for construction.
 3. Wall construction mock-up shall remain in place throughout construction of the building envelope and shall only be removed upon direction from the A/E.
 4. Locate mock-up where directed by Architect/Engineer.

1.08 DELIVERY, STORAGE, AND HANDLING

- A. Protect panels from accelerated weathering by removing or venting sheet plastic shipping wrap.
- B. Store prefinished material off the ground and protected from weather; prevent twisting, bending, or abrasion; provide ventilation; slope metal sheets to ensure proper drainage.
- C. Prevent contact with materials that may cause discoloration or staining of products.

1.09 FIELD CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit metal wall panel work to be performed according to manufacturer's written instructions and warranty requirements.
- B. Field Measurements: Verify actual dimensions of construction contiguous with metal wall panels by field measurements before fabrication.

1.10 COORDINATION

- A. Coordinate sizes and locations of windows, doors, and wall penetrations with actual equipment provided.
- B. Coordinate metal wall cladding system with wall sheathing, masonry, air and water resistive barriers, thermal insulation, rain drainage work, flashing, trim, and construction of other adjoining work to provide a leak proof, secure, and noncorrosive installation.

1.11 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.
- B. Exterior metal cladding system Manufacturer's 10 year warranty against defective materials and fabrication.
- C. Exterior metal cladding system Manufacturer's 20 year warranty for performance of prefinished finishes. The finish warranty shall provide coverage for the following:
 - 1. Fade Resistance: For a period of 20-years from date of first exposure to UV or weathering, the post-painted material finishes shall exhibit no more than a 5 "delta E" rating for color change from original color standard.
 - 2. Chalk Resistance: For a period of 20-years from date of first exposure to UV or weathering, the post-painted material finishes shall exhibit a chalk rating of 8 or less, in accordance with ASTM D4214, Method A.
 - 3. Film Integrity: For a period of 20-years from date of first exposure to UV or weathering, the post-painted material finishes shall not chip, peel, crack, or blister as a result of defective coatings, improper preparation of the substrate, improper application of the coatings, or improper curing of the coating system.
- D. Installer's 3 year warranty covering wall panel system installation and watertightness.
- E. Warranties shall commence on date of substantial completion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Metal Wall Panel Basis of Design: IMETCO. Innovative Metals Company, Inc.
- B. Metal Ceiling Panel Basis of Design: Longboard Products.
- C. Available Manufacturers: Subset to requirements of the drawings and specifications, products from the following manufacturers may be provided. Products from Available Manufacturers must be submitted and approved by A/E prior to submission of bid.
 - 1. Metal Wall & Ceiling Panels - Concealed Fasteners:
 - a. Berridge Manufacturing Company: www.berridge.com/#sle.
 - b. Construction Metal Products, Inc: www.cmpmetalsystems.com/#sle.
 - c. IMETCO: <https://imetco.com/>
 - d. MBCI: www.mbc.com/#sle.
 - e. Longboard Products; www.longboardproducts.com/#sle.
 - f. Petersen Aluminum Corporation: www.pac-clad.com/#sle.
 - g. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 TYPE-1: CONCEALED CLIP – REVEAL JOINT METAL WALL PANELS

- A. General: Provide factory-formed metal wall panels designed to be field assembled by interlocking seams and incorporating concealed fasteners.
- B. Concealed clip, longitudinal lap-seam panel with labyrinth-joint and reveal on four sides.
 - 1. Basis-of-Design: IMETCO ELEMENT Wall system as manufactured by Innovative Metals Company, Inc. (IMETCO); Norcross, Georgia; telephone 1-800-646-3826.
 - 2. Material: Aluminum sheet, 0.080 inch thick.
 - a. Exposed Surfaces: 2-Coat Fluoropolymer finish in accordance with AAMA 621. Fluoropolymer finish containing not less than 70 percent PVDF resin by weight in color coat. Manufacturers' approved applicator to prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
 - b. Concealed Finish: Apply pretreatment and manufacturer's standard white or light-colored polyester backer finish, consisting of prime coat and wash coat with a minimum total dry film thickness of 0.5 mil (0.013 mm).
 - 3. Characteristics.
 - a. Fabrication: Panels shall be factory formed from specified metal.

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- b. The standard profile shall be flat pans with reveal joints on all four sides.
- c. Panel orientation: Horizontal.
- d. Configuration (Horizontal): **Panel shall be 24-inch high**, nominal, by varying lengths as illustrated on building elevations, with interlocking seams incorporating concealed fasteners.
- e. Panel Depth (Concealed Leg Height): 1 1/4 inch (32 mm), nominal.
- f. Reveal Joint: Panel seams shall join such that adjacent panels form vertical and horizontal reveal joints 3/4-inch wide.
 - 1) Horizontal reveal joints shall be aligned from panel to panel, as shown on drawings.
 - 2) Vertical reveal joints shall be aligned from panel to panel, as shown on drawings.
- g. End Folds: Panel ends shall be factory notched by automatic mechanical press equipment to form end tabs of 1 inch nominal length. The end tabs shall be factory folded 90 degrees to produce a "box pan" effect and allow for reveal joints on all four sides of the panel. Vertically oriented panels have a double end fold.

2.03 TYPE-2: CONCEALED FASTENER WALL PANELS

- A. General: Provide factory-formed metal wall panels designed to be field assembled by interlocking seams and incorporating concealed fasteners.
- B. Concealed clip, lap-seam wall panels 16 inch wide with 8 inch reveal.
 - 1. Basis-of-Design: IMETCO LATITUDE, LW-13, Wall system as manufactured by Innovative Metals Company, Inc. (IMETCO), Norcross, Georgia, telephone 1-800-646-3826.
 - 2. Material: Aluminum sheet, 0.040 inch thick.
 - a. Exposed Surfaces: 2-Coat Fluoropolymer finish in accordance with AAMA 621. Fluoropolymer finish containing not less than 70 percent PVDF resin by weight in color coat. Manufacturers' approved applicator to prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
 - b. Concealed Finish: Apply pretreatment and manufacturer's standard white or light-colored polyester backer finish, consisting of prime coat and wash coat with a minimum total dry film thickness of 0.5 mil (0.013 mm).
 - 3. Characteristics.
 - a. Fabrication: Panels shall be factory formed from specified metal.
 - b. The standard profile shall be smooth with indicated reveal spacing.
 - c. Panel orientation: Horizontal.
 - d. Configuration (Horizontal): Panel shall be 16-inch high, nominal, with 8 inch reveal, by varying lengths as illustrated on building elevations, with interlocking seams incorporating concealed fasteners.
 - e. Panel Depth (Concealed Leg Height): 1 inch (32 mm), nominal.
 - f. Reveal Joint: Panel seams shall join such that adjacent panels form vertical and horizontal reveal joints 3/4-inch wide.
 - 1) Horizontal reveal joints shall be aligned from panel to panel, as shown on drawings.
 - 2) Vertical reveal joints shall be aligned from panel to panel, as shown on drawings.

2.04 TYPE-3: CONCEALED FASTENER – CLOSED JOINT METAL WALL PANELS

- A. General: Provide factory-formed metal wall panels designed to be field assembled by interlocking seams and incorporating concealed fasteners.
- B. Concealed clip, longitudinal lap-seam panel with labyrinth-joint and reveal on four sides.
 - 1. Basis-of-Design: IMETCO FLUSH LOCK, 311-.75-0B Wall system as manufactured by Innovative Metals Company, Inc. (IMETCO); Norcross, Georgia; telephone 1-800-646-3826.
 - 2. Material: Aluminum sheet, 0.040 inch thick.

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- a. Exposed Surfaces: 2-Coat Fluoropolymer finish in accordance with AAMA 621. Fluoropolymer finish containing not less than 70 percent PVDF resin by weight in color coat. Manufacturers' approved applicator to prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
- b. Concealed Finish: Apply pretreatment and manufacturer's standard white or light-colored polyester backer finish, consisting of prime coat and wash coat with a minimum total dry film thickness of 0.5 mil (0.013 mm).
3. Characteristics.
 - a. Fabrication: Panels shall be factory formed from specified metal.
 - b. The standard profile shall be flat pans with reveal joints on all four sides.
 - c. Panel orientation: Vertical.
 - d. Configuration (Vertical): Panel shall be 12-inch wide, nominal, by heights as illustrated on building elevations, with interlocking seams incorporating concealed fasteners.
 - 1) Face: Full flush face.
 - 2) Color: Color to be selected from manufacturer's full range of solid colors.
 - e. Panel Depth (Concealed Leg Height): 3/4-inch, nominal.
- C. Air-Water Barrier: See Section 07 27 00.

2.05 MTL-1: CONCEALED FASTENER – CLOSED JOINT METAL SOFFIT PANELS

- A. General: Provide factory-formed metal wall panels designed to be field assembled by interlocking seams and incorporating concealed fasteners.
- B. Concealed clip, longitudinal lap-seam panel with labyrinth-joint and reveal on four sides.
 1. Basis-of-Design: IMETCO FLUSH LOCK, 311-.75-1B Wall system as manufactured by Innovative Metals Company, Inc. (IMETCO); Norcross, Georgia; telephone 1-800-646-3826.
 2. Material: Aluminum sheet, 0.040 inch thick.
 - a. Exposed Surfaces: 2-Coat Fluoropolymer finish in accordance with AAMA 621. Fluoropolymer finish containing not less than 70 percent PVDF resin by weight in color coat. Manufacturers' approved applicator to prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
 - b. Concealed Finish: Apply pretreatment and manufacturer's standard white or light-colored polyester backer finish, consisting of prime coat and wash coat with a minimum total dry film thickness of 0.5 mil (0.013 mm).
3. Characteristics.
 - a. Fabrication: Panels shall be factory formed from specified metal.
 - b. The standard profile shall be flat pans with reveal joints on all four sides.
 - c. Panel orientation: Soffit.
 - d. Configuration (Soffit): Panel shall be 12-inch wide, nominal, by lengths as illustrated on reflected ceiling plans, with interlocking seams incorporating concealed fasteners.
 - 1) Face: One bead; solid face and vented face panels as indicated on drawings.
 - 2) Color: Color to be selected from manufacturer's full range of wood grain colors.
 - e. Panel Depth (Concealed Leg Height): 3/4-inch, nominal.

2.06 FINISHES

- A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
- B. Protect mechanical and painted finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- C. Prevent unpainted metals from contact with oils or solvents, including fingerprints, which may cause staining of the natural finishes.
- D. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of

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approved Samples and are assembled or installed to minimize contrast. Note that some variation is anticipated and acceptable when natural (unpainted) material finishes are specified.

- E. Exposed Surface Finish: Two-coat, polyvinylidene fluoride (PVDF) multi-coat superior performing organic coatings system complying with AAMA 2605, including at least 70 percent PVDF resin, and at least 80 percent of coil coated metal surfaces having minimum total dry film thickness (DFT) of 0.9 mil, 0.0009 inch; color and gloss as selected by Architect from manufacturer's standard line.
 - 1. Exposed surface coating system shall provide nominal 1.2 mil (0.030 mm) dry film thickness, consisting of primer and color coat.
- F. Concealed Finish: Apply pretreatment and manufacturer's standard white or light-colored polyester backer finish, consisting of prime coat and wash coat with a minimum total dry film thickness of 0.5 mil (0.013 mm).

2.07 ACCESSORIES

- A. Miscellaneous Metal Framing, General: ASTM C 645, cold-formed metallic-coated steel sheet, ASTM A 653, G90 (Z275) hot-dip galvanized
- B. Support for Cladding and Continuous Insulation: Continuous thermal Z-girts.
 - 1. Depth: 3 inches.
 - 2. Spacing: 16 inches on center, vertically or horizontally.
- C. Support for Cladding and Continuous Insulation: Hat-shaped Vented Girts.
 - 1. Dimensions:
 - a. Nominal Thickness: 0.043-inch (18 gauge) (1.1-mm) nominal thickness.
 - b. Depth: 1-inch (22 mm) nominal.
 - c. Top flange: 2-1/2 inches (63.5 mm) nominal.
 - d. Bottom Flanges: 1-3/8 inches (35 mm) nominal with 1/4 inch (6 mm) holes punched at 8" on center in each flange.
 - 2. Free air flow: The vented girt shall not restrict chimney effect air convection in the vertical direction. The vented girt webs shall have slotted holes providing for 31% free air flow and weep holes for water drainage.
 - 3. Drainage: Web segments of vented girt shall be formed such that when installed in the horizontal orientation the web segments are inclined at least 15 degrees from horizontal to promote drainage and prevent retention of standing water.
- D. Wall Panel Accessories: Provide components approved by panel manufacturer and as required for a complete metal wall panel assembly including trim, corner units, closures, clips, flashings, sealants, gaskets, fillers, and similar items. Match material and finish of metal wall panels unless otherwise indicated.
 - 1. Anchor Clips: Clips shall be 18 gauge galvanized steel designed to allow thermal movement of the panel in each direction along the longitudinal dimension.
 - 2. Corner Units: Provide factory fabricated mitered corner units of the same profile(s) as specified. Corner units shall be furnished for outside and inside corner conditions.
 - 3. Ventilation strips shall be provided at top of wall panels, window sills, and transitions between metal panels and other exterior finish materials to allow for air exhaust at top of wall cavity. Vent strips shall be internally baffled to prevent wind driven rain from freely entering the wall cavity.
 - 4. Ventilation strips shall be provided at base of wall panels, window head, and transitions between metal panels and other exterior finish materials to allow for air intake and water weep holes at bottom of wall cavity.
- E. Flashing and Trim: Formed from same material, finish, and gauge as wall panels. Provide flashing and trim as required to provide finished appearance. Locations include, but are not limited to, head, sill, corners, jambs, framed openings, fasciae, and fillers. Finish flashing and trim with same finish system as adjacent metal wall panels.
- F. Fasteners for Metal Sub-framing: Of type, material, size, corrosion resistance, holding power, and other properties required to fasten miscellaneous metal subframing members through insulation and sheathing boards into structural wall framing or substrates.

G. Sealants:

1. Sealant Tape: Non-curing, 100 percent solids, polyisobutylene compound sealant tape with release-paper backing. Provide permanently elastic, nonsag, nontoxic, nonstaining tape 1-inch- (13-mm-) wide and 1/16-inch- (3-mm-) thick.
2. Exposed Sealant: ASTM C 920; elastomeric tripolymer, polyurethane, or other advanced polymer sealant; of type, grade, class, and use classifications required to seal joints in metal wall panels and remain weathertight; and as recommended in writing by metal wall panel manufacturer.
3. Concealed Sealant: ASTM C 1311: Butyl-Based, Solvent-Release, One-Part Sealant.

H. Field Touch-up Paint: As recommended by panel manufacturer.

I. Bituminous Paint: Asphalt base.

2.08 FABRICATION

- A. Fabricate and finish metal wall panels and accessories at the factory to greatest extent possible, by manufacturer's standard procedures and processes and as necessary to fulfill indicated performance requirements. Comply with indicated profiles and with dimensional and structural requirements.
- B. Provide panel profile, including major ribs and intermediate stiffening ribs, if any, for full length of panel.
- C. Form flashing components from full single width sheet in minimum 10'-0" (3 m) sections. Provide mitered trim corners, joined using closed end pop rivets and butyl-based, solvent released one-part sealant.
- D. Sheet Metal Accessories: Fabricate flashing and trim to comply with recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to the design, dimensions, metal, and other characteristics of item indicated.
 1. Form exposed sheet metal accessories that are without excessive oil canning, buckling, and tool marks and that are true to line and levels indicated, with exposed edges folded back to form hems.
 2. Sealed Joints: Form non-expanding but movable joints in metal to accommodate butyl-based sealant to comply with SMACNA standards.
 3. Conceal fasteners and expansion provisions where possible. Exposed fasteners are not allowed on faces of accessories exposed to view.
 4. Fabricate cleats and attachment devices of size and metal thickness recommended by SMACNA's "Architectural Sheet Metal Manual" or by metal wall panel manufacturer for application, but not less than thickness of metal being secured.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that building framing members are ready to receive panels.

3.02 PREPARATION

- A. Protect surrounding areas and adjacent surfaces from damage during execution of this work.

3.03 INSTALLATION

- A. Install panels on walls and soffits in accordance with manufacturer's instructions.
- B. Protect surfaces in contact with cementitious materials and dissimilar metals with bituminous paint; allow to dry prior to wall panel installation.
- C. Fasten panels to structural supports; aligned, level, and plumb.
- D. Locate joints over supports.
- E. Lap panel ends 2 inches, minimum.
- F. Provide expansion and control joints where indicated.
- G. Use concealed fasteners unless otherwise indicated by Architect.

- H. Seal and place gaskets to prevent weather penetration. Maintain neat appearance.

3.04 TOLERANCES

- A. Offset From True Alignment Between Adjacent Members Abutting or In Line: 1/16 inch, maximum.
- B. Variation from Plane or Location As Indicated on Drawings: 1/4 inch, maximum.

3.05 CLEANING

- A. Remove site cuttings from finish surfaces.
- B. Remove protective material from wall panel surfaces.
- C. Upon completion of installation, thoroughly clean prefinished aluminum surfaces in accordance with AAMA 609 & 610.

3.06 PROTECTION

- A. Protect metal wall panels until completion of project.
- B. Touch-up, repair, or replace damaged wall panels or accessories before Date of Substantial Completion.

END OF SECTION

SECTION 10 44 00
FIRE PROTECTION SPECIALTIES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Fire extinguishers.
- B. Fire extinguisher cabinets.
- C. Accessories.

1.02 RELATED REQUIREMENTS

- A. Section 06 10 00 - Rough Carpentry: Wood blocking product and execution requirements.

1.03 REFERENCE STANDARDS

- A. NFPA 10 - Standard for Portable Fire Extinguishers; 2022.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements and Section 01 33 00 - Submittal Procedures, for submittal procedures.
- B. Product Data: Fire extinguishers and cabinets.
- C. Shop Drawings: Indicate locations of cabinets and cabinet physical dimensions.
- D. Manufacturer's Installation Instructions: Indicate special criteria and wall opening coordination requirements.
- E. Maintenance Data: Include test, refill or recharge schedules and re-certification requirements.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Fire Extinguishers:
 - 1. Kidde, a unit of United Technologies Corp: www.kidde.com/#sle.
 - 2. Larsen's Manufacturing Company: www.larsens.com
 - 3. Nystrom, Inc: www.nystrom.com/#sle.
 - 4. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Fire Extinguisher Cabinets and Accessories:
 - 1. Kidde, a unit of United Technologies Corp: www.kidde.com/#sle.
 - 2. Larsen's Manufacturing Co: www.larsensmfg.com/#sle.
 - 3. Nystrom, Inc: www.nystrom.com/#sle.
 - 4. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 FIRE EXTINGUISHERS

- A. Fire Extinguishers - General: Comply with product requirements of NFPA 10 and applicable codes, whichever is more stringent.
- B. Multipurpose Dry Chemical Type Fire Extinguishers: Carbon steel tank, with pressure gage.
 - 1. Basis-of-Design: Larsens Manufacturing, MP10.
 - 2. Class: 4A 80B:C type.
 - 3. Size: 10 pound.
 - 4. Finish: Baked polyester powder coat, red color.
- C. Multipurpose Dry Chemical Type Fire Extinguishers: Carbon steel tank, with pressure gage.
 - 1. Basis-of-Design: Larsens Manufacturing, MP2-1/2.
 - 2. Class: 1A 10B:C type.
 - 3. Size: 2.5 pound.
 - 4. Finish: Baked polyester powder coat, red color.

2.03 FIRE EXTINGUISHER CABINETS

- A. Basis-of-Design: Larsens Manufacturing, Architectural Series with Vertical Duo Door.

- B. Cabinet Construction: Non-fire rated.
- C. Cabinet Configuration: Fully Recessed type.
 - 1. Basis-of-Design: Larsens Manufacturing, 2409-R2.
 - 2. Inside Box Dimensions: 24 inch high by 9-1/2" wide by 6 inch deep.
 - 3. Trim: Flat square edge, with 1-1/4 inch wide face.
 - 4. Trim Depth: 5/16 inch.
 - 5. Provide cabinet enclosure with right angle inside corners and seams, and with formed perimeter trim.
- D. Cabinet Configuration: Semi-Recessed type.
 - 1. Basis-of-Design: Larsens Manufacturing, 2409-R7.
 - 2. Inside Box Dimensions: 24 inch high by 9-1/2" wide by 6 inch deep.
 - 3. Trim: Flat rolled edge, with 1-1/4 inch wide face.
 - 4. Trim Depth: 1-1/2 inch.
 - 5. Provide cabinet enclosure with right angle inside corners and seams, and with formed perimeter trim.
- E. Door Glazing: Acrylic plastic, clear, 1/8 inch thick, flat shape and set in resilient channel glazing gasket.
- F. Cabinet Mounting Hardware: Appropriate to cabinet, with pre-drilled holes for placement of anchors.
- G. Fabrication: Weld, fill, and grind components smooth.
- H. Finish of Cabinet Exterior Trim and Door: No. 4 - Brushed stainless steel.
- I. Finish of Cabinet Interior: White colored enamel.

2.04 ACCESSORIES

- A. Extinguisher Brackets: Formed steel, chrome-plated.
 - 1. Provide bracket for all fire extinguishers.
 - a. Mount bracket on wall where wall mounted extinguisher is indicated.
 - b. Mount bracket in fire extinguisher cabinet where cabinet is indicated.
 - c. Mount bracket base cabinet where fire extinguisher is shown in kitchenettes.
- B. Cabinet Signage: On cabinet door.
 - 1. Lettering: "FIRE EXTINGUISHER" decal, or vinyl self-adhering, prespaced red lettering in accordance with authorities having jurisdiction (AHJ).

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify rough openings for cabinet are correctly sized and located.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install cabinets plumb and level in wall openings at height to place handle of bracket mounted extinguisher no higher than 48 inches above floor.
- C. Secure rigidly in place.
- D. Place extinguishers on bracket; on wall, in fire extinguisher cabinet, or in base cabinet as indicated on plans.

3.03 SCHEDULES

- A. See floor plans for size, type, and location.

END OF SECTION

SECTION 22 30 00
PLUMBING EQUIPMENT

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Water heaters.
- B. Expansion Tanks.
- C. Pumps.
 - 1. Circulators.
 - 2. Sump Pumps.
- D. Grease interceptors

1.02 RELATED REQUIREMENTS

- A. Section 26 27 17 - Equipment Wiring: Electrical characteristics and wiring connections.

1.03 REFERENCE STANDARDS

- A. ANSI Z21.10.1 - Gas Water Heaters - Volume I - Storage Water Heaters with Input Ratings of 75,000 Btu per Hour or Less; 2011.
- B. ANSI Z21.10.3 - Gas-Fired Water Heaters - Volume III - Storage Water Heaters with Input Ratings Above 75,000 Btu per Hour, Circulating and Instantaneous; 2014.
- C. ASME BPVC-VIII-1 - Boiler and Pressure Vessel Code, Section VIII, Division 1 - Rules for Construction of Pressure Vessels; The American Society of Mechanical Engineers; 2013.

1.04 SUBMITTALS

- A. Product Data:
 - 1. Provide dimension drawings of water heaters indicating components and connections to other equipment and piping.
 - 2. Indicate pump type, capacity, power requirements.
 - 3. Provide certified pump curves showing pump performance characteristics with pump and system operating point plotted. Include NPSH curve when applicable.
 - 4. Provide electrical characteristics and connection requirements.
- B. Shop Drawings:
 - 1. Indicate heat exchanger dimensions, size of tapings, and performance data.
 - 2. Indicate dimensions of tanks, tank lining methods, anchors, attachments, lifting points, tapings, and drains.
- C. Manufacturer's Instructions .
- D. Project Record Documents: Record actual locations of components .
- E. Operation and Maintenance Data: Include operation, maintenance, and inspection data, replacement part numbers and availability, and service depot location and telephone number.
- F. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the type of products specified in this section, with minimum three years of experience.
- B. Identification: Provide pumps with manufacturer's name, model number, and rating/capacity identified by permanently attached label.
- C. Performance: Ensure pumps operate at specified system fluid temperatures without vapor binding and cavitation, are non-overloading in parallel or individual operation, operate within 25 percent of midpoint of published maximum efficiency curve.

1.06 CERTIFICATIONS

- A. Water Heaters: NSF approved.

- B. Gas Water Heaters: Certified by CSA International to 1 or 2, as applicable, in addition to requirements specified elsewhere.
- C. Products Requiring Electrical Connection: Listed and classified by Underwriters Laboratories Inc., or testing firm acceptable to the authority having jurisdiction as suitable for the purpose specified and indicated.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Provide temporary inlet and outlet caps. Maintain caps in place until installation.

1.08 WARRANTY

- A. Provide five year manufacturer warranty for domestic water heaters and in-line circulator.

1.09 EXTRA MATERIALS

- A. Provide two pump seals.

PART 2 PRODUCTS

2.01 COMMERCIAL GAS FIRED WATER HEATERS

- A. Type: Automatic, tankless natural gas-fired.
- B. Manufacturers:
 - 1. Intellihot
 - 2. Noritz
 - 3. Substitutions: See Section 01 60 00 - Product Requirements.
- C. Performance: See plans.
- D. Description: Water heater shall be direct fired, fully condensing, water-tube design. Power burner shall have full modulation. The minimum firing rate shall not exceed 30,000 BTU/Hr input. Water heaters that have an input greater than 30,000 BTU/Hr at minimum fire will not be considered equal. The water heater shall have the capability of discharging into a positive pressure vent. Water heater thermal efficiency shall increase with decreasing load (output), while maintaining set point. Water heater shall have an operational set point capability of 90 °F to 185 °F and shall maintain the outlet temperature within an accuracy of +/- 2 °F during load changes of up to 100% rated capacity. Heater shall operate quietly, less than 55 dba. Water heater shall be factory-fabricated, factory-assembled and factory-tested, water-tube condensing water heater with heat exchanger sealed pressure-tight, built on a steel base, including a sealed insulated sheet metal enclosure that acts as combustion-air intake plenum.
- E. Heat Exchanger: The heat exchanger shall be constructed with 316L stainless steel helical water tubes, fully floating with no welded joints in the exchanger. The exchanger will have a single-pass combustion gas flow design. The water tubes shall be 3/4" ID, with no less than 0.0469" wall thickness.
- F. Hybrid Tank: The shell assembly of the hybrid tank vessel shall have a maximum water volume of less than .6 gallon. The water heater water connections shall be 3/4 inch Flanged O Ring connections. The shell assembly shall be constructed of 316L stainless steel of 0.0488 inch wall thickness or above.
- G. Modulating Air/Fuel Valve and Burner: The water heater burner shall be capable of a 7 to 1 turndown ratio of the firing rate without loss of combustion efficiency or staging of gas valves. The burner shall be stainless fiber mesh covering a stainless steel body with spark ignition and flame rectification. All burner material exposed to the combustion zone shall be of stainless steel construction. There shall be no moving parts within the burner itself. A modulating air/fuel valve shall meter the air and fuel input. A variable frequency drive (VFD), controlled pre-mix blower shall be used to ensure the optimum mixing of air and fuel between the air/fuel valve and the burner.
- H. The exhaust manifold shall be of PVC, CPVC, polypropylene, stainless steel (AL29-4C) with a 3 inch diameter flue connection.
 - 1. The exhaust vent must be for use UL Listed for use with positive pressure, condensing flue gas service. Vents of PVC, CPVC, PP, SS (AL29-4C) must be used with water heaters.

2. The minimum exhaust vent duct size for each water heater is three-inch diameter.
3. Combustion-Air Intake: Water heaters shall be capable of drawing combustion air from the outdoors via a metal or PVC, CPVC or Polypropylene duct connected between the water heater and the outdoors.
4. The minimum sealed combustion air duct size for each water heater is three-inch diameter.
5. Common Vent and Common Combustion Air up to 10 heat exchangers. Consult manufacturer for common vent and combustion air sizing.
- I. Ignition: Ignition shall be via spark ignition with 100 percent main-valve shutoff and electronic flame supervision.
- J. Accessories: Provide:
 1. Venting Kit.
 2. Isolation Valves
 3. Condensate neutralization system
- K. Certification: As water heater by ASME, rated for output temperatures of 100 to 180 degrees F.
- L. Single-Point Field Power Connection: Factory-installed and factory-wired switches, motor controllers, transformers and other electrical devices shall provide a single-point field power connection to the water heater.
- M. Controls:
 1. The water heater control system shall be a Masterless Cascading design. Lead Lag - Master / Slave control systems will not be permitted. The entire system shall be ETL recognized.
 2. The control panel shall consist of one individual circuit board using state-of-the-art surface-mount technology in a single enclosure. The circuit boards shall include:
 - a. A Digital touch display to indicate temperature and status
 - b. A CPU board housing all control functions
 3. Each board shall be individually field replaceable.
 4. The combustion safeguard/flame monitoring system shall use spark ignition and a rectification-type flame sensor.
 5. The unit shall have a selectable exhaust temperature limit suitable for venting with PVC or CPVC/Polypropylene/Stainless Steel (AL29-4C).
 6. The controls shall annunciate water heater and sensor status and include extensive self-diagnostic capabilities.
 7. The water heater control system shall incorporate the following additional features for enhanced external system interface:
 - a. Temperature set point
 - b. High Exhaust temp monitor and control. Turn down the Gas valve until the exhaust temp is kept below selected material (PVC, CPVC).
 - c. Cascading via RS232
 - d. Error Code Display / Error Code History
 - 1) Blower Fault
 - 2) Blocked Flue Fault
 - 3) Ignition Failure
 - 4) Temp Sensor Short
 - 5) Temp Sensor Wiring Fault
 - 6) Flue Temp Fault
 - 7) Heat Exchanger Temp Fault
 - 8) Cascading Fault
 - 9) Water Valve Fault
 - 10) Pump Fault
 - 11) Software Fault
 8. Monitor and access to daily, weekly, monthly water usages data.

9. Monitor inlet/outlet temperatures, flow rates, flue gas temperatures, combustion rates via onboard touchscreen.
 - a. Water Heater Management: the water heater control system shall incorporate onboard multi-unit sequencing logic that would allow Masterless Cascading (Not Lead/Lag - Master/Slave) functionality & sequencing between multiple water heaters operating in parallel and must have the following capabilities:
 - 1) Efficiently sequence 2 up to 10 heat exchangers on the same system to meet the load requirement.
 - 2) Individual heat exchanger logic to enable accurate temperature control.
 - 3) Operate one motorized valve per heat exchanger as an element of the load sequencing, Valves shall close with decreased load as heaters turn off, minimum of one (depending upon Mode selection) must always stay open for recirculation.
 - 4) Automatically rotate Start/Stop amongst the heat exchangers in the chain based upon an internal calculation of run hours, water through put, burner starts and stops and length of time each burner has been firing. Sequencing is not based upon next in line (Lead/Lag), it is based upon the most logical (least used) heat exchanger in an effort to equalize unit run hours.
 - 5) Automatic bump-less transfer of sequencing in case of heat exchanger failure. All systems must be able to fail all but one heat exchanger in any order or for any reason and the last will continue to operate.
 - 6) Each heat exchanger will default to individual control upon failure of the sequencing chain.
 - 7) Masterless control, change any parameter in any one of the units and all the rest in the series will automatically adjust to the most recent parameter change.
 - N. Burner and Hydrostatic Test: Factory adjust burner to eliminate excess oxygen, carbon dioxide, oxides of nitrogen emissions and carbon monoxide in flue gas, and to achieve combustion efficiency. Perform hydrostatic testing.
 - O. Test and inspect factory-assembled water heaters, before shipping.,
 - P. Allow Owner access to source quality-control testing of water heaters. Notify Architect fourteen days in advance of testing.
 - Q.

2.02 DIAPHRAGM-TYPE COMPRESSION TANKS

- A. Manufacturers:
 1. Amtrol Inc: www.amtrol.com/#sle.
 2. ITT Bell & Gossett: www.bellgossett.com/#sle.
 3. Taco, Inc: www.taco-hvac.com/#sle.
- B. Construction: Welded steel, tested and stamped in accordance with ASME (BPV VIII, 1); supplied with National Board Form U-1, rated for working pressure of 125 psig, with flexible diaphragm sealed into tank, and steel legs or saddles.
- C. Accessories: Pressure gage and air-charging fitting, tank drain; precharge to 55 psig.

2.03 IN-LINE CIRCULATOR PUMPS

- A. Manufacturers:
 1. Armstrong Pumps Inc: www.armstrongpumps.com/#sle.
 2. ITT Bell & Gossett: www.bellgossett.com/#sle.
 3. SIHI Group: www.sterlingsihi.com/#sle.
 4. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Casing: Bronze, rated for 125 psig working pressure.
- C. Impeller: Bronze.
- D. Shaft: Alloy steel with integral thrust collar and two oil lubricated bronze sleeve bearings.
- E. Seal: Carbon rotating against a stationary ceramic seat.

F. Drive: Flexible coupling.

2.04 SUBMERSIBLE SUMP PUMPS

A. Manufacturers:

1. Zoeller Company: Elevator Sump Pump with Oil Sensor, model 940-0006
2. Goulds Water Technology, a xylem brand:
3. Stancor Pumps:
4. Liberty Pumps:

B. Type: Completely submersible, vertical, centrifugal.

C. Casing: Cast iron pump body and oil filled motor chamber.

D. Impeller: Cast iron; open non-clog, stainless steel shaft.

E. Bearings: Ball bearings.

F. Accessories: Oil resistant 6 foot cord and plug with three-prong connector for connection to electric wiring system including grounding connector.

G. Servicing: Slide-away coupling consisting of discharge elbow secure to sump floor, movable bracket, guide pipe system, lifting chain and chain hooks.

H. Controls: Integral diaphragm type level controls with separate liquid level control high level alarm, oil detection system to only allow water to be pumped.

I. Performance:

1. Flow: 61 gpm, at 10 feet lift.
2. Motor: 4/10 hp, 120 VAC, single phase, 60 Hz.

2.05 PASSIVE UNDERGROUND GREASE INTERCEPTOR

A. Manufacturers:

1. Highland Tank
2. Approved Equal

B. Unit Description

1. Grease Interceptor shall be designed to prevent large amounts of pipe-clogging fats, oil, and grease (FOG) and solid waste materials from entering the sanitary sewer system. Interceptor shall minimize turbulence and promote separation. Interceptor shall retain wastewater long enough to allow liquefied grease to cool down, separate, and congeal.
2. The Single Basin Passive Grease Interceptor shall be designed to intercept and collect liquid greasy waste and/or garbage from the discharge piping originating from the (food service facilities, large commercial/institutional kitchen). Flow to the interceptor shall be by gravity. Interceptor shall remove the floating and settleable wastes and prevent their interference with the proper drainage and treatment of municipal wastewater. Interceptor shall be installed underground with top access at or above grade level.
3. The Interceptor shall be cylindrical with construction and thickness in strict accordance with Underwriters Laboratories Subject 58, using flat-flanged heads. The Interceptor shall be a pre-packaged, pre-engineered, ready to install unit consisting of:
 - a. An influent connection with plain end (PE). A factory welded internal influent nozzle at the inlet end of the interceptor. Nozzle discharge to be located at the furthest diagonal point from the effluent discharge opening.
 - b. Nozzle to discharge influent across non-clogging flow diffusion baffle, with discharge located below the normal liquid level. Flow diffusion baffle shall be angled and designed to:
 - 1) Reduce horizontal velocity and flow turbulence.
 - 2) Distribute the flow equally over the interceptors cross sectional area.
 - 3) Direct the flow in a serpentine path in order to enhance hydraulic characteristics and fully utilize all interceptor volume.
 - 4) Completely isolate all inlet turbulence from the interceptor fore chamber to prevent re-suspension of separated FOG.
 - 5) Promote the separation of settleable solids from wastewater.

- c. A large internal separation basin to disperse flow and collect separated FOG and sludge.
 - d. A heavy-duty sludge baffle to retain sludge and prevent it from entering the effluent "Indirect Flow Transfer Baffle". Cylindrical bottom shall concentrate sludge along bottom centerline for easy removal from above.
 - e. An internal effluent "Indirect Flow Transfer Baffle". Baffle is designed to prevent short-circuiting by transferring flow back into the interceptor and allowing treated wastewater to indirectly exit from the bottom sides of baffle only.
 - f. Access manhole, UL approved, complete with extension, cover, gasket, and bolts. Manhole shall be placed over the inlet and outlet to facilitate access into the separation basin for inspection, pumping, cleaning, and access. Heavy-duty striker plates shall be placed under the manholes to protect the tank shell during pump-out operations.
 - g. A factory welded effluent connection with plain end (PE).
 - h. Fittings for cleanout, vent, sampling, and gauge.
 - i. Lifting lugs at balancing points for handling and installation.
 - j. Identification plates: Plates to be affixed in prominent location and be durable and legible throughout equipment life.
 - k. HighGuard Corrosion Protection System consisting of:
 - 1) External surfaces commercial grit blast coated 75 mils DFT Self-Reinforcing Polyurethane Coating. A 15,000-volt spark test shall be performed to ensure coating integrity.
 - 2) 10-year Limited Warranty
 - 4. Internal surfaces commercial grit-blast coated 15 mils DFT Full Immersion, High Temperature, Acid-resistant Polyurethane Lining. Lining shall be of a light color to aid in visual inspection of the interior.
- C. Construction:
- 1. The Interceptor shall be constructed of high-strength, mild carbon steel with capacities, dimensions, construction, and thickness in strict accordance with Underwriters Laboratories, Subject UL-58 Standard for Safety, Steel Underground Tanks for Flammable and Combustible Liquids, September 30, 1997, Single-wall construction.
 - 2. The Interceptor's Corrosion Control System shall be in strict accordance with Underwriters Laboratories Inc. Subject UL-1746 Standard for External Corrosion Protection Systems for Steel Underground Storage Tanks
 - 3. The Interceptor shall be the standard product of a steel tank manufacturer regularly engaged in the production of such equipment. No subcontracting of tank fabrication shall be permitted.
 - 4. The Interceptor shall be fabricated, inspected and pressure tested for leakage before shipment from the factory by manufacturer as a completely assembled, single vessel ready for installation.
 - 5. The Interceptor shall be cylindrical, horizontal, atmospheric-type steel vessel. The Interceptor shall have the structural strength to withstand static and dynamic hydraulic loading while empty and during operating conditions. The interceptor's dimensions and thickness shall be in strict compliance with Roark's Formulas for Stress and Strain as presented in UL 58, September 30, 1997. Calculations, signed and stamped by a Registered Professional Engineer shall be submitted to document structural strength under specified overbearing or external pressure. An interceptor with a reduced shell thickness is not permissible.
 - 6. Interceptor shall consist of inlet and outlet connections with internal influent nozzle, non-clogging flow diffusion and energy dissipator baffle, separation basin with heavy duty sludge baffle, effluent flow transfer baffle, large sludge and FOG pump-out access, lifting lugs and fittings for vent, sampling, and gauging.
- D. ACCESSORIES
- 1. Provide with polyester hold-down straps and foundation anchor system sized by a registered PE in the locality of construction.

2. Grease Interceptor level monitoring and alarm system.
 - a. Unit shall consist of multiple sensors to monitor grease and water levels within the tank. Alarm control panel shall be mounted in the kitchen area adjacent to the grease interceptor location. Provide output contacts for communication to remote monitoring system.
 - b. Electrical Characteristics: 120/1/60.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install plumbing equipment in accordance with manufacturer's instructions, as required by code, and complying with conditions of certification, if any.
- B. Coordinate with plumbing piping and related gas venting and electrical work to achieve operating system.
- C. Pumps:
 1. Provide air cock and drain connection on horizontal pump casings.
 2. Provide line sized isolating valve and strainer on suction and line sized soft seated check valve and balancing valve on discharge.
 3. Decrease from line size with long radius reducing elbows or reducers. Support piping adjacent to pump such that no weight is carried on pump casings. Provide supports under elbows on pump suction and discharge line sizes 4 inches and over.
 4. Ensure pumps operate at specified system fluid temperatures without vapor binding and cavitation, are non-overloading in parallel or individual operation, and operate within 25 percent of midpoint of published maximum efficiency curve.
 5. Align and verify alignment of base mounted pumps prior to start-up.

END OF SECTION

SECTION 28 10 00
ACCESS CONTROL

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Access control system requirements.
- B. Access control units and software.
- C. Accessories.

1.02 REFERENCE STANDARDS

- A. NECA 1 - Standard for Good Workmanship in Electrical Construction; 2010.
- B. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

1.03 ADMINISTRATIVE REQUIREMENTS

- A. Coordination:
 - 1. Coordinate the work with other installers to provide suitable door hardware as required for both access control functionality and code compliance.
 - 2. Coordinate the placement of readers with millwork, furniture, equipment, etc. installed under other sections or by others.
 - 3. Coordinate the work with other installers to provide power for equipment at required locations.
 - 4. Notify Architect of any conflicts with or deviations from Contract Documents. Obtain direction before proceeding with work.
- B. Preinstallation Meetings:
 - 1. Conduct meeting with facility representative to review reader and equipment locations.
 - 2. Conduct meeting with facility representative and other related equipment manufacturers to discuss access control system interface requirements.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Include plan views indicating locations of system components and proposed size, type, and routing of conduits and/or cables. Include elevations and details of proposed equipment arrangements. Include system interconnection schematic diagrams. Include requirements for interface with other systems.
- C. Product Data: Provide manufacturer's standard catalog pages and data sheets for each system component. Include ratings, configurations, standard wiring diagrams, dimensions, finishes, service condition requirements, and installed features.
- D. Design Data: Standby battery/UPS calculations.
- E. Certify that proposed system design and components meet or exceed specified requirements.
- F. Evidence of qualifications for manufacturer.
- G. Evidence of qualifications for installer.
- H. Manufacturer's Installation Instructions: Indicate application conditions and limitations of use stipulated by product testing agency. Include instructions for storage, handling, protection, examination, preparation, installation, and operation of product.
- I. Manufacturer's detailed field testing procedures.
- J. Field quality control test reports.
- K. Maintenance contracts.
- L. Project Record Documents: Record actual locations of system components and installed wiring arrangements and routing.

- M. Operation and Maintenance Data: Include detailed information on system operation, equipment programming and setup, replacement parts, and recommended maintenance procedures and intervals.
 - 1. Include contact information for entity that will be providing contract maintenance and trouble call-back service.
- N. Warranty: Submit sample of manufacturer's warranty and documentation of final executed warranty completed in Owner's name and registered with manufacturer.
- O. Software: One copy of software not resident in read-only memory.
- P. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 60 00 - Product Requirements, for additional provisions.
 - 2. Deliver blank credentials to Owner as directed.

1.05 QUALITY ASSURANCE

- A. Comply with the following:
 - 1. NFPA 70.
 - 2. The requirements of the local authorities having jurisdiction.
 - 3. Applicable TIA/EIA standards.
- B. Maintain at the project site a copy of each referenced document that prescribes execution requirements.
- C. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum five years documented experience.
- D. Installer Qualifications: Company specializing in performing the work of this section with minimum three years documented experience with access control systems of similar size, type, and complexity and providing contract maintenance service as a regular part of their business; authorized manufacturer's representative.
 - 1. Contract maintenance office located within 100 miles of project site.
- E. Maintenance Contractor Qualifications: Same entity as installer.
- F. Product Listing Organization Qualifications: An organization recognized by OSHA as a Nationally Recognized Testing Laboratory (NRTL) and acceptable to authorities having jurisdiction.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Receive, inspect, handle, and store products in accordance with manufacturer's instructions.
- B. Store products in manufacturer's unopened packaging, keep dry and protect from damage until ready for installation.

1.07 FIELD CONDITIONS

- A. Maintain field conditions within manufacturer's required service conditions during and after installation.

1.08 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.
- B. Provide minimum two year manufacturer warranty covering repair or replacement due to defective materials or workmanship.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Access Control Units:
 - 1. Avigilon: <https://www.avigilon.com/>
- B. Access Control Software:
 - 1. Avigilon: <https://www.avigilon.com/>

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- C. Source Limitations: Where possible, furnish system components and accessories produced by single manufacturer and obtained from single supplier.

2.02 ACCESS CONTROL SYSTEM REQUIREMENTS

- A. Provide new access control system consisting of required equipment, conduit, boxes, wiring, connectors, hardware, supports, accessories, software, system programming, etc. as necessary for a complete operating system that provides the functional intent indicated.
- B. System Battery Backup: Provide batteries/uninterruptible power supplies (UPS) as required for 480 minutes full operation.
- C. Interface with Other Systems:
 - 1. Provide products compatible with other systems requiring interface with access control system.
 - 2. Interface with electrically operated door hardware as specified in Section 28 15 00.
 - a. Capable of locking/unlocking/releasing controlled doors.
 - b. Capable of receiving input from integral door hardware switches.
 - 3. Interface with intrusion detection system as specified in Section 28 31 11.
 - a. Capable of affecting access for controlled doors for selected intrusion detection system events.
 - b. Capable of affecting intrusion detection system status for selected access control system events.

2.03 ACCESS CONTROL UNITS AND SOFTWARE

- A. Provide access control units and software compatible with readers to be connected.
- B. Unless otherwise indicated, provide software and licenses required for fully operational system.
- C. Access Control Unit: Avigilon Master Controller M/N AC-MER-CONT-MP1501 intelligent controller. Expansion Boards: Avigilon M/N AC--MER-CON-MR52-S3B. Control Cabinet(s) with integrated Power Supply(ies): LifeSafety M/N AC-LSP-16DR-MER-LCK Sixteen Door Mercury Dual Voltage Integrated Power System supporting one AC-MER-CONT-2DR with seven AC-MER-CON-MR52 or Avigilon equivalent.
 - 1. Control Capability: 75 doors; 75 readers.
 - 2. Operating Modes Supported:
 - a. Card only.
 - 3. Features:
 - a. Dedicated tamper alarm input.
 - b. Dedicated power loss alarm input.
 - c. Supports database backup.
 - d. Integral backup battery system.
- D. Products:
 - 1. Access Control Units:
 - a. Avigilon; Mercury Based Hardware: <https://www.avigilon.com/>.
 - 2. Access Control Software:
 - a. Avigilon: <https://www.avigilon.com/>. The software is existing, and the new building will be an extension of the existing software.

2.04 ACCESS CONTROL POINT PERIPHERALS

- A. Provide devices compatible with control units and software.
- B. Provide devices suitable for operation under the service conditions at the installed location.

2.05 ACCESSORIES

- A. Provide components as indicated or as required for connection of access control system to devices and other systems indicated.
- B. Unless otherwise indicated, credentials to be provided by Owner.

- C. Unless otherwise indicated, network switches required for network connections to system components to be provided by Owner.
- D. Provide cables as indicated or as required for connections between system components.
 - 1. Data Cables for IP Network Connections: Unshielded twisted pair (UTP), Category 6, complying with Section 27 10 05.
- E. Provide accessory racks/cabinets as indicated or as required for equipment mounting.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that field measurements are as indicated.
- B. Verify that ratings and configurations of system components are consistent with the indicated requirements.
- C. Verify that mounting surfaces are ready to receive system components.
- D. Verify that branch circuit wiring installation is completed, tested, and ready for connection to system.
- E. Verify that conditions are satisfactory for installation prior to starting work.

3.02 INSTALLATION

- A. Install access control system in accordance with NECA 1 (general workmanship).
- B. Install products in accordance with manufacturer's instructions.
- C. Wiring Method: Unless otherwise indicated, use cables (not in conduit) where cables can be hidden in walls and above ceilings. Where cables are exposed run in conduit (EMT).
 - 1. Use suitable listed cables in wet locations, including underground raceways.
 - 2. Use suitable listed cables for vertical riser applications.
 - 3. Use listed plenum rated cables.
 - 4. Install wiring in conduit (EMT) for the following:
 - a. Where required for rough-in.
 - b. Where required by authorities having jurisdiction.
 - c. Where exposed to damage.
 - d. Where installed outside the building.
 - e. For exposed connections from outlet boxes to devices.
 - 5. Conduit: Comply with Section 26 05 34.
 - 6. Conceal cables unless specifically indicated to be exposed.
 - 7. Route exposed cables parallel or perpendicular to building structural members and surfaces.
 - 8. Do not exceed manufacturer's recommended maximum cable length between components.
- D. Provide grounding and bonding in accordance with Section 26 05 26.
- E. Install firestopping to preserve fire resistance rating of partitions and other elements, using materials and methods specified in Section 07 84 00.
- F. Identify system wiring and components in accordance with Section 26 05 53.

3.03 FIELD QUALITY CONTROL

- A. See Section 01 40 00 - Quality Requirements, for additional requirements.
- B. Provide services of a manufacturer's authorized representative to observe installation and assist in inspection and testing. Include manufacturer's detailed testing procedures and field reports with submittals.
- C. Prepare and start system in accordance with manufacturer's instructions.
- D. Program system parameters according to requirements of Owner.
- E. Test for proper interface with other systems.

- F. Correct defective work, adjust for proper operation, and retest until entire system complies with Contract Documents.

3.04 CLEANING

- A. Clean exposed surfaces to remove dirt, paint, or other foreign material and restore to match original factory finish.

3.05 CLOSEOUT ACTIVITIES

- A. See Section 01 78 00 - Closeout Submittals, for closeout submittals.

3.06 PROTECTION

- A. Protect installed system components from subsequent construction operations.

END OF SECTION

SECTION 28 31 11
BUILDING INTRUSION DETECTION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Intrusion detection system requirements.
- B. Alarm control units and accessory equipment.
- C. Initiating devices.
- D. Alarm notification appliances.

1.02 REFERENCE STANDARDS

- A. NECA 1 - Standard for Good Workmanship in Electrical Construction; 2010.
- B. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- C. UL 634 - Connectors and Switches for Use with Burglar-Alarm Systems; Current Edition, Including All Revisions.
- D. UL 636 - Holdup Alarm Units and Systems; Current Edition, Including All Revisions.
- E. UL 639 - Intrusion-Detection Units; Current Edition, Including All Revisions.
- F. UL 1610 - Central-Station Burglar-Alarm Units; Current Edition, Including All Revisions.

1.03 ADMINISTRATIVE REQUIREMENTS

- A. Coordination:
 - 1. Coordinate compatibility of devices for the installed locations with work provided under other sections or by others.
 - a. Doors and Windows: See appropriate Division 8 sections.
 - 2. Coordinate the placement of sensors and keypads with millwork, furniture, equipment, etc. installed under other sections or by others.
 - 3. Coordinate the work with other installers to provide communication lines required for alarm control unit connection to central station.
 - 4. Notify Architect of any conflicts with or deviations from Contract Documents. Obtain direction before proceeding with work.
- B. Sequencing:
 - 1. Do not install sensors and keypads until final surface finishes and painting are complete.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide manufacturer's standard catalog pages and data sheets for each system component. Include ratings, configurations, standard wiring diagrams, dimensions, finishes, service condition requirements, and installed features.
 - 1. Motion Detectors: Include detailed motion detection coverage range diagrams.
- C. Shop Drawings: Include plan views indicating locations of system components and proposed size, type, and routing of conduits and/or cables. Include system interconnection schematic diagrams. Include requirements for interface with other systems.
- D. Design Data: Include standby battery calculations.
- E. Certify that proposed system design and components meet or exceed specified requirements.
- F. Evidence of qualifications for installer.
- G. Evidence of qualifications for maintenance contractor (if different entity from installer).
- H. Manufacturer's Installation Instructions: Indicate application conditions and limitations of use stipulated by product testing agency. Include instructions for storage, handling, protection, examination, preparation, installation, and operation of product.

- I. Manufacturer's detailed field testing procedures.
- J. Field quality control test reports.
- K. Operation and Maintenance Data: Include detailed information on system operation, equipment programming and setup, replacement parts, and recommended maintenance procedures and intervals.
 - 1. Include contact information for entity that will be providing contract maintenance and trouble call-back service.
- L. Warranty: Submit sample of manufacturer's warranty and documentation of final executed warranty completed in Owner's name and registered with manufacturer.
- M. Maintenance contracts.
- N. Project Record Documents: Record actual locations of system components and installed wiring arrangements and routing.
- O. Software: One copy of software not resident in read-only memory.
- P. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 60 00 - Product Requirements, for additional provisions.
 - 2. Extra Fuses: Two for each type and size installed.
 - 3. Extra Initiating Devices: One for each type installed.

1.05 QUALITY ASSURANCE

- A. Comply with requirements of NFPA 70.
- B. Maintain at the project site a copy of each referenced document that prescribes execution requirements.
- C. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum five years documented experience.
- D. Installer Qualifications: Company specializing in performing the work of this section with minimum three years documented experience with intrusion detection systems of similar size, type, and complexity and providing contract maintenance service as a regular part of their business; authorized representative of control unit manufacturer.
 - 1. Contract maintenance office located within 50 miles of project site.
- E. Maintenance Contractor Qualifications: Same entity as installer.
- F. Product Listing Organization Qualifications: An organization recognized by OSHA as a Nationally Recognized Testing Laboratory (NRTL) and acceptable to authorities having jurisdiction.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Receive, inspect, handle, and store products in accordance with manufacturer's instructions.
- B. Store products in manufacturer's unopened packaging, keep dry and protect from damage until ready for installation.

1.07 FIELD CONDITIONS

- A. Maintain field conditions within manufacturer's required service conditions during and after installation.

1.08 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.
- B. Provide minimum two year manufacturer warranty covering repair or replacement due to defective materials or workmanship. Warranty shall include parts and labor.

PART 2 PRODUCTS

2.01 INTRUSION DETECTION SYSTEM REQUIREMENTS

- A. Provide new intrusion detection system consisting of all required equipment, conduit, boxes, wiring, connectors, hardware, supports, accessories, software, system programming, etc. as necessary for a complete operating system that provides the functional intent indicated.
- B. Alarm Control Unit: New addressable alarm control panel located as indicated.
- C. Combination fire/intrusion systems are not permitted.
- D. Keypads: Located as indicated.
- E. Initiating Device Requirements:
 - 1. Protected Premises: Entire building as indicated.
 - 2. Provide magnetic contacts to monitor opened/closed position for:
 - a. All perimeter doors
 - b. Designated interior doors.
 - c. All roof access doors and hatches.
 - d. All overhead doors.
 - e. All perimeter hatch doors (e.g. compactor hatches).
 - 3. Provide motion detectors to detect intruder in designated areas.
 - 4. Provide hold-up/panic switches for:
 - a. Three: one at greeting window, one at reception desk, and one in the Principal's office
- F. Alarm Notification and Reporting Requirements:
 - 1. Activate alarm notification at alarm control unit and associated keypads/annunciators with appropriate zone information displayed.
 - 2. Activate local notification appliances.
 - a. Interior: Provide siren located as indicated on drawings.
 - 3. Transmit alarm report to listed remote central station under contract with facility.
 - a. Primary Communication Means: Digital cellular communications.
 - b. Secondary Communication Means: Internet/intranet (IP addressing).
- G. Interface with Other Systems:
 - 1. Provide products compatible with other systems requiring interface with intrusion detection system.
 - 2. Interface with access control system as specified in Section 28 10 00.
 - a. Capable of affecting access for designated doors for selected intrusion detection system events.
 - b. Capable of affecting intrusion detection system status for selected access control system events.
- H. Provide products listed, classified, and labeled as suitable for the purpose intended.
 - 1. Central Station Alarm Units: Listed and labeled as complying with UL 1610.

2.02 ALARM CONTROL UNITS AND ACCESSORY EQUIPMENT

- A. Manufacturers:
 - 1. DMP; XR150: <https://www.dmp.com/>
 - 2. Bosch Security Systems, LLC; 8512G: www.boschsecurity.us/#sle.
 - 3. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Alarm Control Panel: Modular construction.
 - 1. Enclosure: Lockable; provide tamper protection.
 - 2. Power Supply:
 - a. Primary Power: 120 VAC; provide suitable transformer/power supply; supervised for loss of AC power.
 - b. Secondary Power: Standby battery; provide suitable capacity for minimum standby time required by listing requirements, applicable codes, and authority having

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jurisdiction, but not less than eight; provide suitable battery charger; supervised for low battery condition; protected from accidental reversal of battery leads.

- C. Alarm Initiating Circuits: Supervised.
 - 1. Addressable Zones: Supports addressable initiating devices and modules using multiplexed polling loops.
 - 2. Minimum Number of Zones Supported: As required for connected devices, with minimum 25 percent spare capacity.
- D. Alarm Notification Circuits: Supervised.
- E. Communications Interfaces: Supervised.
 - 1. Supports system reporting to central station receivers via integral interface or accessory interface modules using:
 - a. Digital cellular network.
 - b. Internet/intranet (IP addressing).
 - 2. Supported Reporting Format(s): Compatible with central station.
 - 3. Supports split reporting.
 - 4. Products:
 - a. DMP DUALCOMN-2 or approved equal.
- F. Keypads: Supervised.
 - 1. Provide interface to alarm control unit for system control and remote annunciation.
 - 2. Provide visual notification of system status and zone information.
 - 3. Provide audible notification to indicate system status, entry/exit delay, and alarm situations; provide separate distinguishable sounds for alarm and trouble conditions.
 - 4. Keypad Type: Only LCD or graphic touch screen keypads are acceptable. Do not use LED keypads.
 - a. Graphic Touch Screen Keypads: Displays system status and zone information using plain English on graphic display; touch screen interface.
 - b. LCD Keypads: Displays system status and zone information using plain English on alphanumeric display; illuminated keys.
 - 5. Keypad Color: White unless otherwise indicated.
 - 6. Minimum Number of Keypads Supported: eight.
- G. User Codes:
 - 1. Each user code to be individually assignable to any defined authority level for configurable access to system features and functions.
 - 2. Minimum Number of User Codes Supported: 99.
- H. Partitions:
 - 1. Each partition to operate independently with individually programmable annunciation, control, and reporting functions.
 - 2. Each zone to be individually assignable to any partition.
 - 3. Each keypad to be individually assignable to any partition.
 - 4. Each output relay to be individually assignable to any partition.
 - 5. Each user code to be individually assignable to any partition.
 - 6. Minimum Number of Partitions Supported: eight.
- I. Scheduling:
 - 1. Provide time/calendar-based scheduling capability for automated system control.
 - 2. Supports open/close schedules for control of arming/disarming and reporting.
 - 3. Supports timed events including, but not limited to:
 - a. Point bypass/unbypass.
 - b. Relay activate/deactivate.
 - 4. Supports automatic adjustment for daylight savings time.
 - 5. Supports holiday schedules.
- J. Event Log:
 - 1. Stores system events including time, date, partition, zone, and user code where applicable.

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2. Supports viewing of event log on keypads.
 3. Supports viewing of event log on remote PC.
 4. Supports printing of event logs on local printer.
- K. Features:
1. Capable of being programmed locally or remotely.
 2. Capable of being armed via key switch.
 3. Supports panic/duress codes.
 4. Supports force arming.
 5. Supports walk test mode.
 6. Supports user interface via:
 - a. Telephone.
 - b. Web browser.
 - c. Mobile device.

2.03 INITIATING DEVICES

- A. Manufacturers: Same as manufacturer of alarm control units where possible.
- B. General Requirements:
1. Provide devices suitable for intended application and location to be installed.
 2. Addressable Systems:
 - a. Addressable Devices: Individually identifiable by control unit.
 - b. Provide suitable addressable modules for connection to conventional (non-addressable) devices and other components that provide a dry closure output.
- C. Contacts:
1. Listed and labeled as complying with UL 634.
 2. Magnetic Contacts: Encapsulated reed switch(es) and separate magnet; designed to monitor opened/closed position of doors or windows.
 - a. Use standard security contacts (not balanced magnetic type) unless otherwise indicated.
 3. Contact Color: To be selected by Architect from manufacturer's available standard colors.
 4. Basis of Design Products:
 - a. GRI 195-12WG-W or approved equal 3/4 inch round, recessed, wide gap.
- D. Motion Detectors:
1. Listed and labeled as complying with UL 639.
 2. Passive Infrared (PIR) Motion Detectors: Designed to detect intruder by sensing movement of thermal energy between zones.
 3. Basis of Design Products:
 - a. 360 deg - Bosch DS9371 or approved equal
 - b. Standard - Bosch CS794C long range or approved equal
- E. Hold-Up/Panic Switches:
1. Listed and labeled as complying with UL 634 or UL 636 as applicable.
 2. Hold-Up/Panic Buttons: Manual push button operation.
 3. Basis of Design Products:
 - a. United Security Products HUB2SA or approved equal.

2.04 ALARM NOTIFICATION APPLIANCES

- A. Manufacturers: Same as manufacturer of alarm control units where possible.
1. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Provide alarm notification appliances suitable for connection to control unit outputs.
- C. Sirens: Speaker with self-contained siren driver.
- D. Basis of Design Products:
1. DMP 335 or approved equal

2.05 ACCESSORIES

- A. Provide components as indicated or as required for connection of alarm control unit to devices and other systems indicated.
- B. Provide cables as indicated or as required for connections between system components.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that field measurements are as indicated.
- B. Verify that ratings and configurations of system components are consistent with the indicated requirements.
- C. Verify that mounting surfaces are ready to receive system components.
- D. Verify that branch circuit wiring installation is completed, tested, and ready for connection to system.
- E. Verify that conditions are satisfactory for installation prior to starting work.

3.02 INSTALLATION

- A. Perform work in accordance with NECA 1 (general workmanship).
- B. Install products in accordance with manufacturer's instructions.
- C. Wiring Method: Unless otherwise indicated, use cables not in conduit except where exposed.. Cables run exposed outside of walls, below ceilings, or in ceiling spaces where ceilings do not exist shall be run in EMT conduit.
 - 1. All cabling/wiring shall be plenum rated
 - 2. Install wiring in conduit where required for rough-in, where required by authority having jurisdiction, and where exposed to damage.
 - 3. Conduit: Comply with Section 26 05 34.
 - 4. Conceal all cables unless specifically indicated to be exposed.
 - 5. Route exposed cables parallel or perpendicular to building structural members and surfaces.
- D. Provide grounding and bonding in accordance with Section 26 05 26.
- E. Install firestopping to preserve fire resistance rating of partitions and other elements, using materials and methods specified in Section 07 84 00.
- F. Identify system wiring and components in accordance with Section 26 05 53.

3.03 FIELD QUALITY CONTROL

- A. See Section 01 40 00 - Quality Requirements, for additional requirements.
- B. Provide services of a manufacturer's authorized representative to observe installation and assist in inspection and testing. Include manufacturer's detailed testing procedures and field reports with submittals.
- C. Prepare and start system in accordance with manufacturer's instructions.
- D. Inspection and testing to include, at a minimum:
 - 1. Test each initiating device for proper response by alarm control unit.
 - 2. Test for proper operation of alarm notification appliances.
 - 3. Test for proper operation of output relays.
 - 4. Test for proper operation of communication interfaces and central station reporting.
 - 5. Test for proper interface with other systems.
- E. Correct defective work, adjust for proper operation, and retest until entire system complies with Contract Documents.
- F. Submit detailed reports indicating inspection and testing results and corrective actions taken.

3.04 ADJUSTING

- A. Program system parameters according to requirements of Owner.

3.05 CLEANING

- A. Clean exposed surfaces to remove dirt, paint, or other foreign material and restore to match original factory finish.

3.06 CLOSEOUT ACTIVITIES

- A. See Section 01 78 00 - Closeout Submittals, for closeout submittals.
- B. See Section 01 79 00 - Demonstration and Training, for additional requirements.
- C. Demonstration: Demonstrate proper operation of system to Owner, and correct deficiencies or make adjustments as directed.
- D. Training: Train Owner's personnel on operation, adjustment, and maintenance of system.
 - 1. Use operation and maintenance manual as training reference, supplemented with additional training materials as required.
 - 2. Provide minimum of four hours of training.
 - 3. Instructor: Manufacturer's authorized representative.
 - 4. Location: At project site.

3.07 PROTECTION

- A. Protect installed system components from subsequent construction operations.

3.08 MAINTENANCE

- A. See Section 01 70 00 - Execution and Closeout Requirements, for additional requirements relating to maintenance service.
- B. Provide to Owner, at no extra cost, a separate maintenance contract for the service and maintenance of intrusion detection system for two years from date of Substantial Completion; Include a complete description of preventive maintenance, systematic examination, adjustment, cleaning, inspection, and testing, with a detailed schedule.
- C. Conduct site visit at least once every three months to perform inspection, testing, and preventive maintenance. Submit report to Owner indicating maintenance performed along with evaluations and recommendations.
- D. Provide trouble call-back service upon notification by Owner:
 - 1. Include allowance for call-back service during normal working hours at no extra cost to Owner.
 - 2. Owner will pay for call-back service outside of normal working hours on an hourly basis, based on actual time spent at site and not including travel time; include hourly rate and definition of normal working hours in maintenance contract.

END OF SECTION



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RFI #	Date	Submitted By	Question	Response	Addendum
02	10/24/2025	Primex	Is Primex OneVue System an approved alternate to the specified wireless master clock system	Not approved	4
05	10/27/2025	EDiS	Reference 1&5/A-411, provide construction details for wall graphics shown on Lobby wood wall panels	Graphic is to be painted 1/8" aluminum plate mounted on 3" long stand-off pins. Vector graphics will be provided after bid. PBG	4
06	10/27/2025	EDiS	Foundation Drain: reference 8/A-308 foundation drain shown, not shown on plumbing drawings. Is this required? If required is this the only location?	Foundation drain is only required at loading dock retaining wall. Install for full length of wall at retaining side. PBG 10/31/25	4
08	10/27/2025	Brandwine Contractors, Inc.	Confirm location/size of gymnasium wall pads (reference spec 116623)	No pads are required. Delete specification 11 66 23 in its entirety. PBG	4
09	10/27/2025	Brandwine Contractors, Inc.	Confirm scope of "examination and treatment equipment", reference spec 117200	See drawings GC002 and GC003, Equipment Location Plans, issued in Addendum 4. PBG	4
11	10/27/2025	EDiS	Patient Lift Ceiling Support Members: confirm bearing/attachment detail for CF C.J.'s (reference S-102A, 18/S-303)	Lift manufacturer will provide design/build information for attaching track to CF C.J.s. Assume 16" long solid wood blocking at each web, full height of web, at each attachment point. Assume thru-bolts at 16" o.c. Provide bridging of like size CF C.J.s where attachment points on curved call between joists. PBG 10/31/25	4
12	10/27/2025	A&H Metals	Entrance Canopy (bus): provide complete construction details and specs	See revised section 07 42 13 and new drawing A-309 issued in Addendum 4. PBG	4
13	10/27/2025	A&H Metals	Metal Wall Panels: confirm location of "TYPE-3" panels, reference spec 074213	See revised section 07 42 13 and new drawing A-309 issued in Addendum 4. PBG	4
14	10/27/2025	A&H Metals	Metal Wall Panels: confirm panel type at select "B1" window locations, reference 3/A-201, 4/A-204.	See revised section 07 42 13 issued in Addendum 4 PBG	4
15	10/27/2025	Richard E. Pierson Construction Co., Inc.	There is listed under the site contractor summary of work, item 54, to provide services for BIM based on spec 013700 BIM Execution plan. Please provide this spec as it become available.	See Bid Addendum #3	3



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RFI #	Date	Submitted By	Question	Response	Addendum
16	10/27/2025	Richard E. Pierson Construction Co., Inc.	Is the playground equipment/Exercise equipment part of the site contractors scope. Item 4, of the Summary of work, Provide site amenities, doesn't mention those two things.	Yes, see Bid Addendum #3 (alternates)	3
17	10/27/2025	Joseph Rizzo and Sons, Inc	Could you please help me find which partitions are related to alternate #7? I did not see anything in the drawings or spec section noting or describing which partitions would be changed to studs.	This is a request for alternate pricing to run all interior masonry walls to full height	4
19	10/27/2025	Joseph Rizzo and Sons, Inc	In contract A-04, scope item #8 calls for the mason to provide steel angle support at the top of masonry walls. Please clarify that the highlighted item below is what is being referenced and if it is, this item should be picked up by the steel contractor as the mason's work must already be completed before the installation of this non-masonry item.	this scope item will remain within contract A-04 (Masonry)	4
21	10/28/2025	EDIS	Metal Panels: confirm metal panel selections. The schedule/legend on A-200 series dwgs does not match spec 074213	See revised section 07 42 13 and revised elevation drawings issued in Addendum 4. PBG	4
22	10/28/2025	Brandwine Contractors, Inc.	Prefabricated Metal Canopies: confirm width/depth dimensions, dwg A-203 notes 3'-0" x 7'-0". Dwg A-104 references roofing notes 12 (7'-3" wide) and 12A (6'-8" wide), some canopies are not tagged on this sheet.	See Roof Key Note Legend on revised sheet A-104 Roof Plan, issued in Addendum 4. PBG	4
25	10/28/2025	Narissa Building Company	Cafeteria Ceiling (4/A-420): confirm ceiling construction/type within curved areas.	See revised section 09 51 00 issued in Addendum 3 PBG	3
26	10/28/2025	Narissa Building Company	ACT-1: Spec 095100 notes ACT-1 is "square" edge, drawings note "beveled tegular edge". Please confirm selection.	Beveled tegular is correct. See revised section 09 51 00 issued in Addendum 3 PBG	3
27	10/28/2025	Narissa Building Company	Reference A-420/2, 3, 5, 6 & A-421/1: Confirm ceiling transition detail where edge of the drywall meets ACT	See detail 5/A-111. PBG	4
31	10/28/2025	Narissa Building Company	A-306/4. Which contract owns the acrylic modified finish system soffit over vapor barrier and 5/8" exterior sheathing?	This is included in Contract A-13.	4
32	10/28/2025	Ralph G. Degli Obizzi & Sons, LLC	Specs note PVC sanitary piping above grade, and PVC storm piping above and below grade. Please confirm if PVC sanitary piping below grade is acceptable.	Owner has elected to allow PVC sanitary piping below grade.	4
33	10/28/2025	Ralph G. Degli Obizzi & Sons, LLC	please provide a gas riser diagram including valves.	Added.	4



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RFI #	Date	Submitted By	Question	Response	Addendum
34	10/28/2025	Ralph G. Degli Obizzi & Sons, LLC	DRAWING M-106 CALLS OUT FOR HEAT TRACE ON CONDENSATE PIPING AT AHU-1. IT ONLY SHOWS THIS ON ONE UNIT. ARE WE TO ASSUME EVERY UNIT NEEDS HEAT TRACE ON THE CONDENSATE? SHOULD THIS BE CARRIED BY THE ELECTRICAL CONTRACTOR?	Only the pool unit.	4
38	10/28/2025	Griffith Roofing & Waterproofing	confirm is foundation is to receive waterproofing (per detail 1/A-304, or damproofing (per 3/A-308); spec 071113 references damproofing	Building foundation shall receive damproofing as indicated in section 071113. Retaining wall shall receive waterproofing as indicated in section 071200 issued in Addendum 4. PBG	4
39	10/28/2025	Nickle Electrical	On addendum 2, it states on pages 1 and 3 that the Bid is due by 3:30pm, however on page 7 it states the Bid is due by 3pm. Please clarify which time frame is correct.	Bids are due on 11/19/25 @ 3:30PM	3
40	10/28/2025	Nickle Electrical	The Bid form for A-26 states we are supposed to have a signed Affidavit of Craft Training Compliance form attached with our Bid; however, we weren't provided with the proper document, please advise.	See Bid Addendum #3	3
47	10/28/2025	Nickle Electrical	Which bid package is responsible for furnishing the interactive adjustable mounts noted on E-501, Detail 5?	no longer shown on E-501, see 10/31/25 drawing revision	3
56	10/29/2025	Tri-State The Roofers	advise if ELEVATE is an approved alternate roofing manufacturer (PVC or EPDM)	Yes PBG	4
57	10/29/2025	Borsello Masonry Inc.	Confirm if the 2-1/2" spray foam insulation is to be included on the masonry bid	Yes	4
62	10/29/2025	Modern Controls	Please confirm mounting heights for zone temperature sensors.	See drawing G-002 for device mounting heights.	4
63	10/29/2025	Modern Controls	Please confirm flat plate zone temperature sensors are required for the following equipment: o Radiant Ceiling Panels RCP-1 to 25 o Electric Baseboard Heaters EBB-1 to 6 o Unit Heaters UH-1 to 3 o Cabinet Unit Heaters CUH-1 o Variable Refrigerant Flow (VRF) Fan Coil Units serving common areas such as corridors, restrooms, locker rooms, etc. o Exhaust Fans EF-1, 6, and 7	correct	4
66	10/29/2025	Modern Controls	Are the domestic water system/domestic hot water heaters to be monitored on the BAS?	No	4
68	10/29/2025	Modern Controls	Is there any requirement for gas monitoring – such as chlorine – in the pool mechanical room and exhaust fan EF-1?	No.	4
69	10/29/2025	Modern Controls	Is the lighting system to be monitored on the BAS?	No	4



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RFI #	Date	Submitted By	Question	Response	Addendum
70	10/29/2025	Greggo and Ferrara	Section 008115 for the Craft Training Program Affidavit is not included in the bid documents, please provide	See Bid Addendum #3	3
71	10/29/2025	Brandwine Contractors, Inc.	Is Platinum Visual Solutions an approved alternate manufacturer for visual display units (spec 101100)	Submit substitution request through EDiS per specifications. PBG	4
75	10/30/2025	Tri-State Carpet	Admin Office 100 - Finish Print (A-702) shows Quartz Tile while the Finish Schedule (A-700) shows Carpet Tile. Which one does it get?	Provide materials as indicated on Finish Plans. PBG	4
76	10/30/2025	Tri-State Carpet	Laundry 130 - Finish Print (A-701) shows Epoxy flooring while the Finish Schedule (A-700) shows Quartz Tile. Which one does it get?	Provide materials as indicated on Finish Plans. PBG	4
77	10/30/2025	Tri-State Carpet	IDF - Finish Print (A-701) shows Quartz Tile while the Finish Schedule (A-700) shows Epoxy. Which one does it get?	Provide materials as indicated on Finish Plans. PBG	4
78	10/30/2025	Tri-State Carpet	Please verify that the painted lines on RAF-1 is to be done by a trade other than the flooring subcontract.	"game lines and logos" are included in Contract A18	4
79	10/30/2025	Tri-State Carpet	confirm flooring/base for Storage 173	Provide materials as indicated on Finish Plans. PBG	4
81	10/30/2025	Brandwine Contractors, Inc.	There are no specifications, drawings, or details on the alternate pergola that we can find.	Pergola is DELETED	4
82	10/30/2025	Brandwine Contractors, Inc.	There are no specifications on the greenhouse and we do not see it listed in anyone's scope. Is the actual greenhouse being provided by the owner?	See section 13 34 13. Greenhouse is a design/build specification. Greenhouse is to be bid as an alternate price. PBG	4
85	10/30/2025	Richard E. Pierson Construction Co., Inc	The craft training program is required according to the bid documents. Section 008115 of the spec appears to be missing. Please provide this document.	See Bid Addendum #3	3
87	10/30/2025	Corrado American	1. SOW 2. Furnish and install all site signage. This includes all traffic, pedestrian and building related signage not mounted on buildings, including fire lane curbing and signage. Please clarify these are only traffic signs and not monument building entrance signs etc.	Contract A-01 (Sitework) does not include "Monumental Signage"	4



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RFI #	Date	Submitted By	Question	Response	Addendum
89	10/30/2025	Corrado American	3. Please provide the location(s) and quantity for the hose bibs. Please provide length. We will only provide hose once and not duration of project, Correct? "11. Provide a temporary water means for other trades to utilize. Include all costs associated with metering from local utilities as well as valves and hoses for contractors to utilize. The Construction Manager will not provide this service. Location is TBD by EDIS."	(1) truck wash, (1) masonry mix station, (1) general use	4
90	10/30/2025	Corrado American	EDIS be required so we are bidding same items?	Item #14 will be revised in Addendum 4 to include maintenance and snow removal on T&M	4
92	10/30/2025	Corrado American	6. 37. Provide all dewatering of excavations until final acceptance. Provide dewatering for perimeter waterproofer. Site contractor is not responsible for back fill of footings, concrete contractor is and Item 16 in concrete package covers dewatering for water proofer. Please clarify this is the responsibility of the concrete package. Site contractor responsible for dewatering of his work only.	Dewatering of building foundations excavation by concrete contractor.	4
93	10/30/2025	Corrado American	7. SOW 30. Furnish, install and maintain select fill under slab. Are we to provide imported select fill or onsite fill per SOW 35?	Utilize on-site fill where compaction requirements can be met. Utilize imported fill only where on-site fill cannot be utilized.	4
94	10/30/2025	Corrado American	8. SOW 44. Site utilities to courtyards, including irrigation lines as part of this contract. Please provide a plan for irrigation if required by this contract. Landscape plans and utility plans show no layout for irrigation or areas to be irrigated.	No irrigation requirements per design documents, see Addendum #3 for clarification to the Summary of Work.	3
95	10/30/2025	Corrado American	9. SOW 42. Provide street cleaning of mud etc. on a daily basis throughout the entirety of the project including when this sitework contractor is not working on site. Please provide project schedule so we can calculate how many days needed to provide a crew onsite for mud cleanup. An allowance or each contractor responsible for their own cleanup may be better alternative.	See bid Addendum #3 for clarification.	3



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RFI #	Date	Submitted By	Question	Response	Addendum
96	10/30/2025	Corrado American	10. SOW 5. Provide fencing (chain link and ornamental) including gate hardware, and post and cable fencing. Provide louvered gates at the mechanical yard. C-105 shows fence around playground on west side of building. A-001 shows fence at same location but layout does not match. No other fence is shown. Which plan do we use?	Fencing, and all site work, shall be as indicated on civil drawings. Drawing A-001 is diagrammatic only. PBG	4
99	10/30/2025	Corrado American	13. Playground equipment is not by Sitework contract, correct?	See Bid Addendum #3	3
100	10/30/2025	Corrado American	14. Playground surfacing is not by sitework contract, correct?	This scope is included within contract A-01 (Sitework). Also see "Alternates" pricing.	4
101	10/31/2025	Diamond Mechanical, Inc.	confirm scope included in the plumbing contract for the following: scupper, downspout, boot	by roofing and sitework contractors	4
105	10/31/2025	Nickle Electrical	4. Please confirm secondary power service needs to be concrete encased under the building pad.	The feeds from the secondary side of the utility transformer do not need to be encased in concrete as long as they are underground for the entire run from the transformer to SWBD-1.	4
108	10/31/2025	Nickle Electrical	7. Please provide the location of EV Chargers noted on scope item #17 in A-26 summary of work.	No EV charges included in this project. PBG; This scope item will be deleted in Addendum #4	4
110	10/31/2025	Nickle Electrical	9. Please clarify scope item #26 in A-26 summary of work. Mechanical contractors normally provide baseboard, unit and cabinet unit heaters.	this scope will remain in Contract A-26	4
112	10/31/2025	Joseph Rizzo and Sons, Inc	Will special shape brick and block be required in this project where walls are made at odd angles? If so, please have the architect provide the locations where these special shapes would apply and also provide shape drawings for these locations.	Provide 135 degree inside corner and outside corner concrete masonry units and brick. Provide 4x4x12 nominal brick for building. Provide 4x4x8 nominal brick for bus canopy piers. See revised section 04 20 00 issued in addendum 4. PBG	4
120	10/31/2025	Narissa Building Company	provide sections, details and type of steel (Size and gage) to be used for the sub framing on the under side of the canopy Listed on DWG S-202 Detail #8, 9, 12 (reference detail)	See drawing A0309 issued in Addendum 4. PBG	4



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RFI #	Date	Submitted By	Question	Response	Addendum
122	10/31/2025	Joseph Rizzo and Sons, Inc	Alternate #10 is noted to add Greenhouse in Courtyard #2. Is this a completely separate greenhouse to the one in Courtyard #1 or was there a typo and the title to the alternate should read "Add Greenhouse in Courtyard #1"? If this is a completely different greenhouse than the one that is to be constructed in Courtyard #1, is it to use the same dimensions and details as the one in Courtyard #1?	The only greenhouse is in Courtyard 1. PBG	4
123	10/31/2025	Kent Construction	Listed on bid form for A-06 carpentry notes alternate #6 provide pergola in courtyard #3. Are there specs for this pergola? And where may they be found?	Pergola is deleted. PBG	4
124	10/31/2025	Kent Construction	Which contract is to carry the window shades? Contract A-06 on the technical specification section sheet mentions section 122400. But the window shades are not listed in the scope of work for contract A-06.	This is included in Contract A-06. The scope will be further detailed within the Summary of Work document in Addendum #4	4
125	10/31/2025	Kent Construction	Contract A-06 item 21 says to provide gymnasium wall padding. When looking at the drawing A-405 interior elevation there are none shown. Please advise where the wall padding is to be installed.	There is not gym wall padding. Section 116623 is deleted in its entirety. PBG	4
131	11/3/2025	Superior Electric	Please advise if this project will require a lightning protection system.	The project does not require a lightning protection system.	4
132	11/3/2022	Joseph Rizzo and Sons, Inc	The brick size shown in the drawings is Utility Size (3-5/8" x 3-5/8" x 11-5/8"), however the specs and alternate 6 both call for modular (3-5/8" x 2-1/4" x 7-5/8") size brick. Please have the architect clarify what the correct brick size is for both the base bid and alternate brick.	Provide 4x4x12 nominal brick for building. Provide 4x4x8 nominal brick for bus canopy piers. See revised section 04 20 00 issued in addendum 4. PBG	4
137	11/4/2025	Kent Construction	Can "danback(s)" (by ClarkDietrich) be used for interior blocking.	Yes PBG	4



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RFI #	Date	Submitted By	Question	Response	Addendum
138	11/4/2025	Kent Construction	Please provide details about the acoustic wood panels. None found in specs or on plans need to know color, type of wood, basis of design etc.	See section 09 84 30 PBG	4
139	11/4/2025	East Coast Plumbing & HVAC	RTU-1,2 - Please consider adding Valent to the list of pre-approved equivalent manufacturers listed in Specification Section 23 74 13, Packaged Outdoor Central-Station Air-Handling Units indicated in paragraph 2.01-A	Owner has denied request.	4
140	11/4/2025	East Coast Plumbing & HVAC	DOAS-1,2,3,4 - Please consider adding Valent to the list of pre-approved equivalent manufacturers listed in Specification Section 23 74 33, Dedicated Outdoor Air Units indicated in paragraph 2.01-A	Owner has denied request.	4
142	11/4/2025	Mason Building Group, Inc.	Please clarify where exterior wall types are located.	See building sections PBG	4
146	11/4/2025	Narissa Building Company	The parapet wall on the architectural DWG (Typical Wall Section) does not show kickers, however structural DWG S-202 (Typical Section Detail) shows kickers. Please confirm requirement.	Provide kickers as indicated on structural drawings. Provide plywood sheathing at kickers as specified in section 06 10 00. PBG	4
149	11/4/2025	Narissa Building Company	Linear Metal Ceilings: Is infill required for NRC? Is there perforation? What the radius of the arc will be for the hills and valleys?	See spec section 095423 for basis-of-design and NRC requirements	4
151	11/5/2025	Main Line Commercial Pools	Section 131129-2.02 calls for waterproofing membrane under the trim tile. Is this necessary as the pool is NOT fully tiled?	Waterproofing under the tile band is not required. PBG	4
154	11/5/2025	Main Line Commercial Pools	011100-72-1: Please confirm the perimeter deck drain is supplied and installed by A-23 Plumber	perimeter deck drain by plumbing contractor (A-23)	4
155	11/5/2025	Main Line Commercial Pools	perimeter of the deck drains is to be by this Contract A-22"? Does this mean the pool contractor is to furnish and install the concrete pool deck between the deck drains and pool perimeter coping? If so, do we own a finish on top of the concrete deck?	yes, concrete (and finish) within perimeter deck drain by the pool contractor (A-21).	4
156	11/5/2025	Main Line Commercial Pools	Please confirm all pools spoils can be dumped local to the pool and removed by others?	spoil pile to be removed by sitework contractor (A-01)	4
157	11/5/2025	Main Line Commercial Pools	Who is responsible for electrical bonding /grounding the pool?	Work by electrical contractor with oversight provided by pool contractor to ensure all necessary items to be connected to the bonding loop are properly connected. PBG [EDIS] this is by electrical contractor (A-26)	4
170	11/5/2025	Corporate Interior, Inc.	Is the game line and logo painting part of the Flooring Contract or Painting Contract?	by flooring contractor	4



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RFI #	Date	Submitted By	Question	Response	Addendum
172	11/5/2025	Corporate Interior, Inc.	Is Roppe Multi-Use vinyl sheet flooring an approved alternate product in the Gym 157 and 157A?	Will need full product data for review and large sample (4'x4', min.) for owner review and testing. PBG	4
173	11/6/2025	East Coast Plumbing & HVAC	Please provide BIM execution plan, spec section 013700, as mentioned in the scope of work.	see Addendum #3	3
174	11/6/2025	East Coast Plumbing & HVAC	Spec page 221005-6, section 2.02, states all sanitary piping below grade should be cast iron. Please confirm if PVC is acceptable below grade?	PVC has now been approved for use by Owner.	4
176	11/6/2025	East Coast Plumbing & HVAC	Please provide a piping spec for the condensate drain piping.	Listed in 23 21 13.	4
178	11/6/2025	Flooring Solutions, Inc.	SOW for Contract NO. A-18 - Flooring - Includes Technical Section 124813 Entrance Floor Mats and Frame specification, the walk off mats on the design drawing show a carpet tile, please clarify. If these are to be entrance mats, please provide a spec section.	Section 12 48 13 is deleted. walk-off carpet tile is included in Flooring contract A-18	4