

ADDENDUM NO. 2

**BRANDYWINE SCHOOL DISTRICT
CLAYMONT ELEMENTARY SCHOOL RENOVATION
BID PAC B
3401 Green Street, Claymont, DE 19703**

**THE WHITING-TURNER CONTRACTING COMPANY
CONSTRUCTION MANAGER
131 Continental Drive – Suite 404
Newark, DE 19713
302-292-0676**

BIDS DUE: JANUARY 10, 2019 at 2:00 PM

**LOCATION: Claymont Elementary School, Cafeteria
3401 Green Street
Claymont, DE 19703**

NOTICE TO ALL BIDDERS

1.0 GENERAL NOTES:

- 1.1 Bidders are hereby notified that this Addendum shall be and hereby becomes part of their Contract Documents, and shall be attached to the Project Manual for this project. All bidders shall acknowledge this addendum on the Bid Form.
- 1.2 The following items are intended to revise and clarify the Drawings and Project Manual, and shall be included by the Bidder in their proposal.
- 1.3 Bidders shall verify that their Sub-bidders are in full receipt of the information contained herein.
- 1.4 Deadline for questions shall be January 4, 2019.
- 1.5 Contractors will be required to exit the building during school fire drills that are conducted once per month during school. Include any cost associated with this drill in your bid.

2.0 CHANGES TO THE PROJECT MANUAL and DRAWINGS

- 2.1 See ABHA Architects Addendum #2 attachment detailing changes to specifications and drawings.
- 2.2 Section 00 40 00-06A Carpentry Bid Form
 - 2.2.1 Bid Form has been revised and is attached to this addendum.

- 2.3 Section 00 40 00-09B Flooring Bid Form
 - 2.3.1 Bid Form has been revised and is attached to this addendum.
- 2.4 Section 00 40 00-23A HVAC Bid Form
 - 2.4.1 Bid Form has been revised and is attached to this addendum
- 2.5 Section 00 40 00-26A Electrical Bid Form
 - 2.5.1 Bid Form has been revised and is attached to this addendum.
- 2.6 Section 01 12 00-03A Concrete Specific Scope of Work
 - 2.6.1 Specific Scope of Work has been revised and is attached to this addendum.
- 2.7 Section 01 12 00-04A Masonry Specific Scope of Work
 - 2.7.1 Specific Scope of Work has been revised and is attached to this addendum.
- 2.8 Section 01 12 00-06A Carpentry Specific Scope of Work
 - 2.8.1 Specific Scope of Work has been revised and is attached to this addendum.
- 2.9 Section 01 12 00-07B Exterior Panels Specific Scope of Work
 - 2.9.1 Specific Scope of Work has been revised and is attached to this addendum.
- 2.10 Section 01 12 00-07D Caulking Specific Scope of Work
 - 2.10.1 Specific Scope of Work has been revised and is attached to this addendum.
- 2.11 Section 01 12 00-09A Drywall Specific Scope of Work
 - 2.11.1 Specific Scope of Work has been revised and is attached to this addendum.
- 2.12 Section 01 12 00-09B Flooring Specific Scope of Work
 - 2.12.1 Specific Scope of Work has been revised and is attached to this addendum.
- 2.13 Section 01 12 00-09D Painting Specific Scope of Work
 - 2.13.1 Specific Scope of Work has been revised and is attached to this addendum.
- 2.14 Section 01 12 00-10A Specialties Specific Scope of Work
 - 2.14.1 Specific Scope of Work has been revised and is attached to this addendum.
- 2.15 Section 01 12 00-12A Casework Specific Scope of Work
 - 2.15.1 Specific Scope of Work has been revised and is attached to this addendum.
- 2.16 Section 01 12 00-14A Elevator Specific Scope of Work
 - 2.16.1 Specific Scope of Work has been revised and is attached to this addendum.
- 2.17 Section 01 12 00-26A Electrical Specific Scope of Work
 - 2.17.1 Specific Scope of Work has been revised and is attached to this addendum.
- 2.18 Section 01 12 00-31A Sitework Specific Scope of Work
 - 2.18.1 Specific Scope of Work has been revised and is attached to this addendum.

3.0 ATTACHMENTS

- 3.1.1 ABHA Architects Addendum #2 dated 12/21/18
 - 3.1.1.1 Drawings and Specifications as listed
- 3.1.2 Existing Sprinkler Shop Drawings
- 3.1.3 Milliken carpet tile pattern
- 3.1.4 Milliken carpet tile report
- 3.1.5 Bid Questions Log dated 12-21-18
- 3.1.6 Section 00 40 00-06A Carpentry Bid Form
- 3.1.7 Section 00 40 00-09B Flooring Bid Form
- 3.1.8 Section 00 40 00-23A HVAC Bid Form
- 3.1.9 Section 00 40 00-26A Electrical Bid Form
- 3.1.10 Section 01 12 00-03A Concrete Specific Scope of Work
- 3.1.11 Section 01 12 00-04A Masonry Specific Scope of Work
- 3.1.12 Section 01 12 00-06A Carpentry Specific Scope of Work
- 3.1.13 Section 01 12 00-07B Exterior Panels Specific Scope of Work
- 3.1.14 Section 01 12 00-07D Caulking Specific Scope of Work
- 3.1.15 Section 01 12 00-09A Drywall Specific Scope of Work
- 3.1.16 Section 01 12 00-09B Flooring Specific Scope of Work
- 3.1.17 Section 01 12 00-09D Painting Specific Scope of Work
- 3.1.18 Section 01 12 00-10A Specialties Specific Scope of Work
- 3.1.19 Section 01 12 00-12A Casework Specific Scope of Work
- 3.1.20 Section 01 12 00-14A Elevator Specific Scope of Work
- 3.1.21 Section 01 12 00-26A Electrical Specific Scope of Work
- 3.1.22 Section 01 12 00-31A Sitework Specific Scope of Work

END OF ADDENDUM NO. 02

ADDENDUM ISSUED BY

ABHA Architects, Inc.
1621 N. Lincoln Street
Wilmington, Delaware 19806

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 as described in the main body of the Specifications and as shown on the Drawings.

Acknowledge receipt of the Addendum in the space provided on the Bid Form. This Addendum is being transmitted to all pre-qualified contractors who have received Contract Documents. If there are any problems with legibility or content, please contact ABHA Architects, Inc. (302) 658-6426.

LIST OF ATTACHMENTS:

DRAWINGS – VOLUME 1

S-301 – TYPICAL SECTIONS AND DETAILS

DRAWINGS – VOLUME 3

M-600 – SCHEDULES MECHANICAL

M-601 – SCHEDULES MECHANICAL

P-101.3 – FIRST FLOOR PLUMBING PLAN DEMOLITION A/B/C

P-101.5 – FIRST FLOOR PLUMBING PLAN DEMOLITION AREA E

P-111.5 – FIRST FLOOR PLUMBING PLAN AREA E

SPECIFICATIONS – VOLUME 2

23 09 00 - INSTRUMENTATION AND CONTROL FOR HVAC

23 72 00 - AIR TO AIR RECOVERY EQUIPMENT

23 75 00 - CUSTOM PACKAGED OUTDOOR HVAC EQUIPMENT

OTHER

Existing Sprinkler Shop Drawings

Milliken carpet tile pattern

Milliken carpet tile report

GENERAL INFORMATION:

1. The following substitution requests have been accepted:
 - a. Visual Display Boards – Platinum Visual Systems (ABC School Equipment, Inc).
 - b. Spray Polyurethane Foam Insulating Air Barrier – Accella; Sealtite CC+

QUESTIONS AND ANSWERS:

(see attached questions and answers log)

CHANGES TO PROJECT MANUAL:

SECTION 01 23 00 - ALTERNATES

Page 01 23 00 – 4, Article 1.05, Paragraph B, Subparagraph 25.

ADD the following:

25. Alternate No. 25: Data Infrastructure
 - a. Alternate: Provide branch wiring for Area E, see construction managers phasing plan for extent of branch wiring scope in area E.
 - b. Base Bid: Branch wiring for Area E not included.

SECTION 10 11 01 – VISUAL DISPLAY BOARDS

Page 10 11 01 – 2, Article 2.01, Paragraph A, Subparagraph 4.

ADD Subparagraph 4.a

- a. Subject to compliance with specifications, the following manufacturers are approved:
 1. Platinum Visual Systems (ABC School Equipment, Inc): www.pvusa.com.
 2. Steelcase, Inc: www.steelcase.com.

SECTION 10 11 01 – VISUAL DISPLAY BOARDS

Page 10 11 01 – 2, Article 2.02, Paragraph A

ADD Subparagraph 10.

10. Marker Tray: Box tray trim with end caps.

SECTION 07 26 40 – SPRAY POLYURETHANE FOAM INSULATING AIR BARRIER

Page 07 26 40 – 4, Article 2.01, Paragraph I

ADD Subparagraph 2.

2. Subject to compliance with specifications, the following manufacturers are approved:
 - a. Accella; Sealtite CC+: www.accellapolyurethane.com.

MECHANICAL

SECTION 23 09 00 - INSTRUMENTATION AND CONTROL FOR HVAC

- a. Page 230900-2, Paragraph 1.6.A: DELETE manufacturers.
- b. Page 230900-8, Paragraph 2.9.E.2: REVISE sentence to read as follows:
“The ERU shall be controlled by an individual DDC Controller.”
- c. Page 230900-13, Paragraph 2.9.J: ADD paragraph J COLD STORAGE MONITORING CONTROL.
- d. Page 230900-14, Paragraph 2.9.K: ADD paragraph K OUTDOOR LIGHTING CONTROL.
- e. Page 230900-14, Paragraph 2.9.L: ADD paragraph L OFF-SITE MONITORING.

SECTION 23 72 00 - AIR-TO-AIR RECOVERY EQUIPMENT

- a. Page 237200-2, Paragraph 2.1.A: REVISE to Gas Fired Heat Exchanger.
- b. Page 237200-2, Paragraph 2.1.D: DELETE Paragraph 2.1.D.
- c. Page 237200-3, Paragraph 2.1.E: DELETE Paragraph 2.1.E.
- d. Page 237200-3, Paragraph 2.1.F: DELETE Paragraph 2.1.F.
- e. Page 237200-3, Paragraph 2.2.H: DELETE Paragraph 2.2.H: COIL SECTION.
- f. Page 237200-3, Paragraph 2.2.H: ADD Paragraph 2.2.H: BAS CONTROLLER.
- g. Page 237200-3, Paragraph 2.2.I: ADD Paragraph 2.2.I: BASIC SAFTY/OPERATING CONTROLS.
- h. Page 237200-7, Paragraph 2.3.I: REVISED sentence to read as follows:
“Unit shall be completely BAS Controller: DDC controller shall be provided by ATC, field mounted and wired.”
- i. Page 237200-8, Paragraph 2.3.K: DELETE Paragraph 2.3.K: THERMOSTAT.

SECTION 23 72 23 - PACKAGED AIR-TO-AIR ENERGY RECOVERY UNITS

- a. DELETE Section in its entirety.

SECTION 23 75 00 - CUSTOM-PACKAGED OUTDOOR HVAC EQUIPMENT

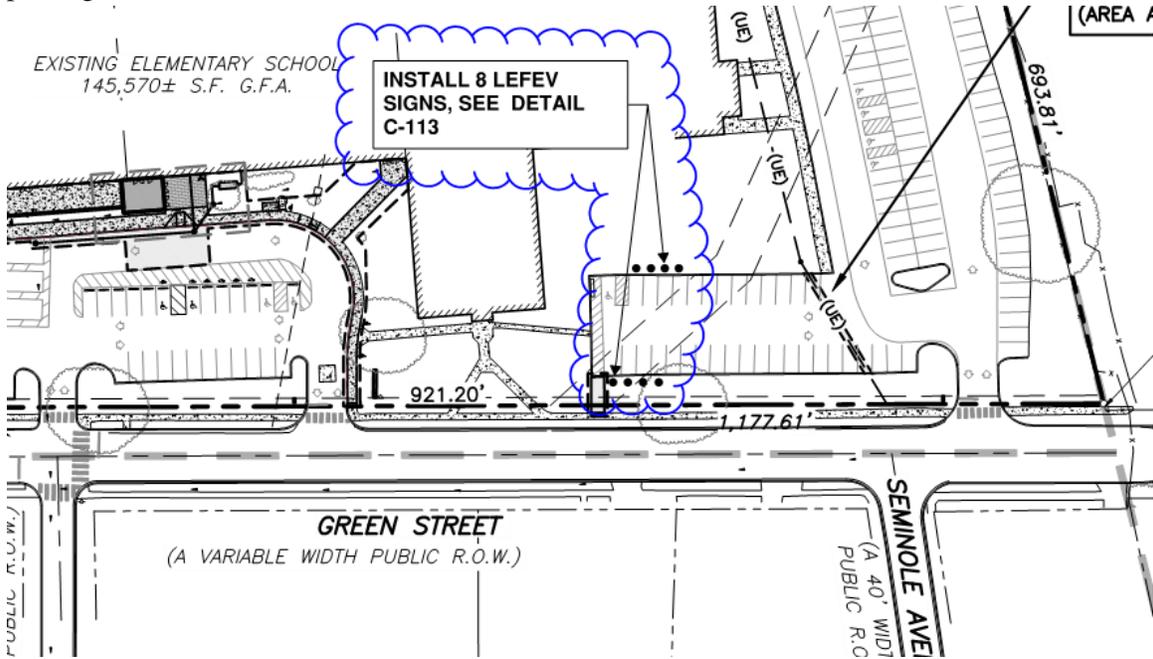
- a. Page 237500-1, Paragraph 2.1.A: ADD paragraph:
“A. MANUFACTURERS.”

CHANGES TO DRAWINGS:

CIVIL

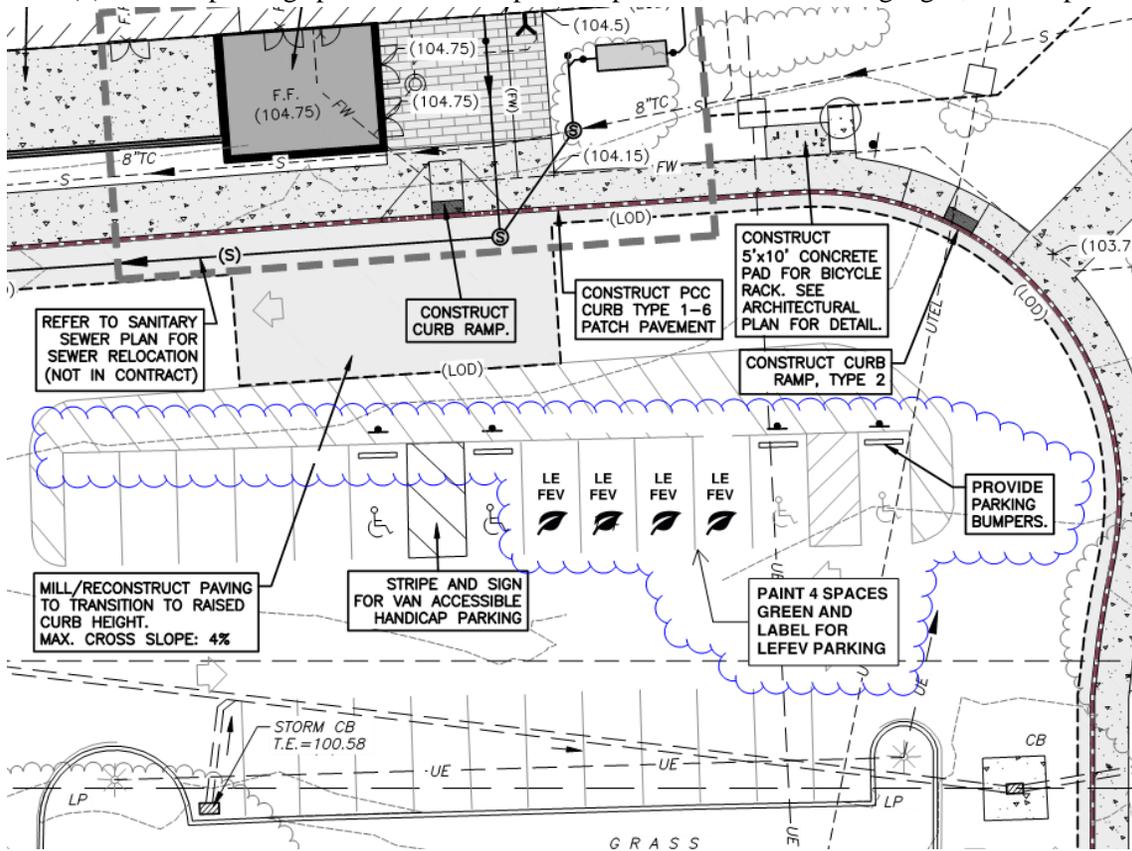
DRAWING C-101

DELETE (6) Electric charging station signs and REPLACE with (8) LEFEV parking signs at east parking lot at locations indicated below.



DRAWING C-107

ADD two (2) signs for ADA parking spaces. Provide 4 new bumpers at ADA parking spaces.
Four (4) LEFEV parking spaces will be striped and painted, no freestanding signs, no bumpers.



STRUCTURAL

DRAWING S-301

DELETE Drawing S-301 and REPLACE with Drawing S-301, dated 12/21/2018, attached to this Addendum.

ARCHITECTURAL

DRAWING A-121.1

ADD keynote 5 to Room A114

DRAWING A-121.2

ADD keynote 5 to Room B109 & B111.1

PLUMBING

1. Drawing P-101.3, FIRST FLOOR PLUMBING PLAN – DEMOLITION AREA A/B/C:
 - a. REMOVE demolition of gas lines in rear of building.
2. Drawing P-101.5, FIRST FLOOR PLUMBING PLAN – DEMOLITION AREA E
 - a. REMOVE demolition of gas lines in rear of building.
 - b. CHANGE demolition point of existing cold water leg.
3. Drawing P-111.5, FIRST FLOOR PLUMBING PLAN – AREA E
 - a. CHANGE length of capped cold water leg.

FIRE PROTECTION

1. Original 2003 sprinkler shop drawings provided for Contractor's reference.

MECHANICAL

1. Drawing M-600, SCHEDULES MECHANICAL
 - a. PACKAGED ROOFTOP ENERGY RECOVERY UNIT SCHEDULE:
 - REVISE Note #1
 - ADD Note #2
 - b. PACKAGED ROOFTOP UNIT WITH POWERED EXHAUST SCHEDULE
 - REVISE Note #1
 - ADD Note #2
 - c. PACKAGED ROOFTOP AIR HANDLING UNIT SCHEDULE
 - REVISE Note #1
 - ADD Note #2
 - d. AIR COOLED CONDENSING UNIT SCHEDULE
 - ADD Note #2
2. Drawing M-601, SCHEDULES MECHANICAL
 - a. HEAT PUMP SCHEDULES
 - REVISE Note #2
 - ADD Note #4 (Typical for HP-1, HP-2, HP-3, & HP-4 Schedules)
 - b. HEAT PUMP SCHEDULE
 - REVISE Note #2
 - ADD Note #3 (Typical for HP-5 Schedule)

END OF ADDENDUM #2

BSD - CLAYMONT ES RENOVATIONS - Bid Pac B
BID QUESTION LOG



| Question | Contract | Question | Date | Response | Date of Response | Addendum |
|----------|----------|--|------------|---|------------------|----------|
| 9 | 26A | Is there a color coding schedule for low voltage wiring? | 12/13/2018 | See Addendum #1, Drawing E-600 | 12/13/2018 | 2 |
| 12 | 31A | Is milling and paving required on the far east parking lot? | 12/13/2018 | Milling and paving not required at the east parking lot. | 12/21/2018 | 2 |
| 13 | 31A | Drawing C-107 calls for existing parking bumpers to be re-set after paving but there are currently no existing bumpers. Are we to provide new bumpers? | 12/13/2018 | Provide bumpers at ada parking spaces only. | 12/21/2018 | 2 |
| 14 | 04A/05A | Please provide roof and hoist beam steel bearing details in the Elevator shaft. | 12/13/2018 | See sheet S-301 attached to Addendum 2 for clarification. | 12/21/2018 | 2 |
| 15 | 22A | A1 on P-101.3 show two existing gas lines that need to be cut and capped below grade, is that work a part of bid pack B | 12/13/2018 | See Addendum #2, Drawings P-101.3 and P-101.5 | 12/21/2018 | 2 |
| 21 | 26A | Please provide further details on Data Alternate #25 | 12/17/2018 | Alternate 25 will consist of providing branch wiring for Area E, phases 5 & 6 on construction managers schedule. Base bid - branch wiring is not in scope for area E, phases 5 & 6. | 12/21/2018 | 2 |
| 22 | 21A | Does the architect, engineer or the school have existing fire sprinkler plans of the building? | 12/17/2018 | Existing shop drawings attached to Addendum 2 | 12/21/2018 | 2 |
| 33 | 07D | Will the vertical caulk joints in the stucco panels and stucco to brick be required to be removed and recaulked before the HPL Panels are installed? | 12/17/2018 | Yes, All caulk to joint to be raked and resealed. | 12/21/2018 | 2 |
| 34 | 07D | Where new windows are being installed as on B1/A212, Will the brick between be broken by a control joint that will require caulking? | 12/17/2018 | No control joints installed at new window openings. | 12/21/2018 | 2 |
| 35 | 07D | Note B on the Elevation drawings states to rake out existing masonry control joints and replace. The horizontal control joints shown on the drawings are currently mortared. Is the mortar to be removed in these locations and replaced with caulk? If so, please confirm 04A- Masonry will be responsible for raking out mortar. | 12/17/2018 | Mortar is to be removed and caulk. 04A-masonry is responsible. | 12/21/2018 | 2 |
| 36 | 07D | The Joint Sealant spec 079200 calls for silicone to be used on the exterior of the building. Silicone can not be painted. Would we be better using a paintable hybrid urethane, similar to Dynatrol I-XL FTH in these locations? In this case everything on the wall including the control joints and joints in the stucco panels could be painted and the entire wall could be uniform. | 12/17/2018 | Provide silicone sealants. Painter is not to paint caulk joints. Paint and silicone sealant colors to be coordinated. | 12/21/2018 | 2 |

BSD - CLAYMONT ES RENOVATIONS - Bid Pac B
BID QUESTION LOG

| Question | Contract | Question | Date | Response | Date of Response | Addendum |
|----------|----------|---|------------|--|------------------|----------|
| 37 | 05A/03A | Is stair #4 self supported or supported by masonry? Please provide support details. Are thicken slabs required for masonry or at SOG landings. Are additional footer/piers required for steel columns? | 12/17/2018 | Stair can be supported by the 8" CMU. Where necessary, provide support posts. Stair supports to be detailed by the stair supplier. Provide 8" thickened slab under support posts. | 12/21/2018 | 2 |
| 38 | 05A | The Steel tube noted to field verify at detail 7 on S-203 does not exist. The note states to install tube or non shrink grout in the absents of the existing tube however the field conditions doesn't seem to cost effectively support those remedies. Please have structural engineer review field conditions | 12/17/2018 | Use the non shrink grout option. Alternate repair details can be submitted for review. | 12/21/2018 | 2 |
| 39 | 06A/26A | The scope of work for carpentry item 38 calls for furnishing and installing LED light fixtures in the custom display cases. Addendum #1 issued new drawings E-111.1 and E-111.2 that call for adding display case lighting in the custom display cases. Is the carpentry or the electrical bid package responsible to install the light fixtures in the custom display cases? | 12/17/2018 | Lighting for display cases should be in the electrical scope, 26A | 12/21/2018 | 2 |
| 40 | 09D | Wallcoverings VWC-1, VWC-2 & VWC-3 per addendum #1 page 5 wallcoverings spec. 097200-2 article 2.01 paragraph B & C does not match the Finish Schedule I-002. Original 097200-2 article 2.01 paragraph B doesn't match either for VWC-2 & VWC-3. Please advise on architects intent. | 12/17/2018 | Contractor is to provided vinyl wall coverings listed on Finish Schedule I-002. Any substitutions should meet the performance of wallcoverings listed on I-002 and be submitted prior to bid | 12/21/2018 | 2 |
| 41 | 03A | Drawing S-101 - The stairs at 26 line near CG show a wall and footer on one side, what happens on the other side? | 12/17/2018 | An existing CMU wall is on other side of stair. Provide 1/2" expansion joint between stair and CMU. | 12/21/2018 | 2 |
| 42 | 02A/03A | Clarify that the Demolition contractor has excavation and removal of spoils at the elevator. Can waterproofing, protection board and drainage board be removed 03A's scope? | 12/17/2018 | Yes, demolition contractor, 02A has excavation and removal of spoils at elevator pit. Waterproofing is to remain in the 03A's scope | 12/21/2018 | 2 |
| 43 | 06A | What material are the applied muntins of vision panels, as shown on E6.1/A-602? | 12/17/2018 | Applied muntins are extruded aluminum. | 12/21/2018 | 2 |
| 44 | 05A | Sheet A-201 - Should detail 16/S202 be labeled as 16/S201. Also, This detail notes "stair framing (by | 12/17/2018 | Detail should be labeled 16/S-201. This is a new stair. | 12/21/2018 | 2 |

BSD - CLAYMONT ES RENOVATIONS - Bid Pac B
BID QUESTION LOG



| Question | Contract | Question | Date | Response | Date of Response | Addendum |
|----------|----------|---|------------|---|------------------|----------|
| 45 | 07A | Can you confirm the existing roof decks are not sloped and therefore we should use tapered insulation on entire roof surfaces? | 12/17/2018 | Known areas of sloped roof decks: roof over pool, roof over art/band area, roof over area D (cafeteria/admin). Known areas of tapered insulation: Areas E & F (academic wing). Existing sloped decks only slope 1/8" to drains. Contractor to verify existing conditions at other roof locations. | 12/21/2018 | 2 |
| 46 | 06A/10A | Section 083613 Sectional Doors is included in Scope of works 6A and 10A. It is better described in 6A because of narrative item 31. Please clarify which package owns | 12/17/2018 | 06A owns overhead doors and 10A owns operable partitions | 12/21/2018 | 2 |
| 47 | 07A | Bid docs state to replace all wood blocking. If we remove the existing roof and current blocking is in good shape and doesn't need replaced will we be able to keep existing? | 12/21/2018 | Contractor is responsible for replacing all wood blocking. The decision to keep existing wood blocking during construction will be made by owner. | 12/21/2018 | 2 |
| 48 | 03A/22A | The structural and plumbing drawings do not all match as they relate to trenching required by the plumber. As a concrete bidder it is difficult determining what is owned in my scope and the plumbers scope. Can the two drawing sets be coordinated or the plumbing infills marked? | 12/21/2018 | Architectural and Plumbing drawings should be referenced for areas of slab cutting. Reference structural drawings for typical details. | 12/21/2018 | 2 |
| 49 | 09D | The Exterior Painting Specs call out existing aluminum window frames and storefront framing. Where are these areas defined? Is this in the area that is asking for painting of brick in Prints A211 thru A213? | 12/21/2018 | Existing aluminum windows at areas D, E, & F are to be painted. No existing storefront framing receives paint. | 12/21/2018 | 2 |
| 50 | 12A/09B | What bid package is responsible for the solid surface thresholds at E3/A508? | 12/21/2018 | Flooring 09B is responsible for threshold, see revised scope | 12/21/2018 | 2 |
| 53 | 10A | Does the flag pole get replaced? | 12/21/2018 | Existing flagpole to remain. | 12/21/2018 | 2 |
| 54 | 21A | Note 11 on FP 101.2- Firestopping. The sprinkler system is existing. Confirm that we are to seal the existing piping on all walls, [existing & new]. | 12/21/2018 | FP contractor will be responsible for firestopping new penetrations due to the installation of new system piping. If existing piping through fire walls are discovered during the course of this project that require firestopping, this should be brought to the attention of the CM. | 12/21/2018 | 2 |

BSD - CLAYMONT ES RENOVATIONS - Bid Pac B
BID QUESTION LOG



| Question | Contract | Question | Date | Response | Date of Response | Addendum |
|----------|----------|---|------------|---|------------------|----------|
| 55 | 21A | Note #2 on FP101.2 – MEP coordination. Advise how this process is to work since the sprinkler systems are existing. Are we to assume that the other trades are to install their materials so that there are no conflicts & the existing sprinkler piping does not have to be moved? If we are to move the piping, how is that to be handled? | 12/21/2018 | Assume existing work in place is to remain, if relocation is required, this will be a change. | 12/21/2018 | 2 |
| 56 | 21A | Hydrotesting of the systems, Note #14 on FP101.2. With the existing sprinkler systems being 15 years old, are we expected to hydrotest them to 200 psi as specified? | 12/21/2018 | Existing system sections where just heads are replaced, hydrotest to system operating pressure. Where new section of system is added, isolate and hydrotest to 200 psi. Hydrotesting shall be in accordance with NFPA 13. | 12/21/2018 | 2 |
| 57 | 21A | Whiting turner's 21A Scope #14 – States that we are to provide the sleeves to the appropriate contractor, meaning that another contractor is responsible to install the sleeves? | 12/21/2018 | This note is for new masonry or concrete. If sleeves are required, these sleeves and layout would be turned over to others for placement in their work. If sleeve are missed during construction of these items, sprinkler contractor will be required to core and place these sleeves. | 12/21/2018 | 2 |
| 58 | 21A | FP101.1 Gymnasium - Plan indicates that head guards are to be installed on the existing sprinkler heads. Is this work to be figured under Alternate 7 or base bid? If it is under the base bid, I am assuming that this will be the only work in the Gym and we will be responsible for protecting the floor, confirm. | 12/21/2018 | See Alternate 2 | 12/21/2018 | 2 |
| 59 | 21A | FP-101.1 and FP101.2 - Call out notes in the boxes: Does this note apply to the entire building or a certain area? Also, it appears that the school will be getting all new ceilings. Is it the intent that every pendent sprinkler head is to be relocated? Either way, which contractor is to cut the ceiling for the sprinkler head? | 12/21/2018 | New sprinklers are to be provided everywhere new ceilings are being provided and in areas of renovation and/or addition. Areas for new sprinklers are outlined and indicated on the drawings. Ceiling contractor will be responsible for cutting ceiling holes for sprinklers. | 12/21/2018 | 2 |

BSD - CLAYMONT ES RENOVATIONS - Bid Pac B
BID QUESTION LOG



| Question | Contract | Question | Date | Response | Date of Response | Addendum |
|----------|----------|---|------------|--|------------------|----------|
| 60 | 21A | FP101.2 - Note #3 states that the existing systems are to remain in operation during construction. This isn't feasible as the heads are being added &/or relocated throughout the building. Also, the system[s] are to be turned back on every night, please confirm. | 12/21/2018 | The existing systems are to remain in service as much as possible, and impairment keep to a minimum. Where systems need to be shut down, the FP contractor will be responsible for providing a fire watch for the duration of and in the area of impairment. System shut downs shall be coordinated with the CM and hot work prohibited in these areas for the duration of the shut down. Systems are to be restored to service at the end the work day. | 12/21/2018 | 2 |
| 61 | 21A | FP101.2 - Note #10, all pipe to be Schedule 40. Existing systems are Schedule 10. Is the Schedule 10 piping to be replaced with Schedule 40 piping? | 12/21/2018 | 2" pipe and smaller to be Schedule 40 with threaded fittings. 2 1/2" and larger maybe Schedule 10 with mechanical fittings. | 12/21/2018 | 2 |
| 62 | 09B/09D | On stairs to receive rubber treads, do the risers receive rubber or paint? Also these risers have rivets that may hamper installation. | 12/21/2018 | Rubber treads only. Risers to be painted, nosing of riser to receive bondo or similar material by flooring contractor as needed for proper installation and adhesion of rubber treads integral nosing. | 12/21/2018 | 2 |
| 63 | 03A/22A | P-101.4 Is the shaded slab in Food Prep (C136) get removed by the Plumber? | 12/21/2018 | No, This slab has already been removed. It gets poured entirely by 03A | 12/21/2018 | 2 |
| 66 | 12A | Please confirm the solid surface sills noted with plan note 2 affected by the window replacement in alternate #12 or are they to be in the base bid whether alternate #12 is accepted or not? | 12/21/2018 | Base Bid: All existing windows sills in Areas D, E, & F are to be replaced. | 12/21/2018 | 2 |
| 67 | 12A | What contract is responsible for the wood veneer panels in the bench nooks? See A6/A508. | 12/21/2018 | 12A is responsible for the wood veneer panels and Solid surface seat with plywood substrate. | 12/21/2018 | 2 |
| 72 | 09B | Please clarify Specific Scope item #13 – removal of adhesive. Asbestos abatement contractor or demolition contractor should be responsible for adhesive removal. | 12/21/2018 | The cut back mastic is not being abated, just the tile. The removal of this mastic is by the flooring contractor and is required for remedial preparation by flooring contractor. | 12/21/2018 | 2 |
| 73 | 09B | Room D108 Data – I-111.4 shows CPT 1,2,3,4 however I-001 shows SC. What is correct flooring finish? | 12/21/2018 | Flooring should be Sealed Concrete in Data Rm. | 12/21/2018 | 2 |
| 74 | 09B | Corridors D139, E120.1, E121.1, E130 & F109 – I-001 shows TER2 base. What is TER2 base? | 12/21/2018 | DELETE TER2 and REPLACE with RB-1. | 12/21/2018 | 2 |

BSD - CLAYMONT ES RENOVATIONS - Bid Pac B
BID QUESTION LOG

| Question | Contract | Question | Date | Response | Date of Response | Addendum |
|----------|----------|--|------------|---|------------------|----------|
| 75 | 09B | Rooms B107 & B110 are not shown on I-001 Finish Schedule. Are they to receive new flooring & base finishes? | 12/21/2018 | Rooms B107 and B110 are not in contract | 12/21/2018 | 2 |
| 76 | 09B | Rooms B104, B106, B106.1, B107.1, B108, B108.1, B109, B111, B111.1, B113 & B114 – Are these rooms in base bid or ONLY Alternate 7? | 12/21/2018 | Rooms are part of Alternate 7 scope only. | 12/21/2018 | 2 |
| 77 | 09B | Room 242 – I-112.1 shows RT1,5,6 however I-001 shows TCT 4,5,6. What is correct flooring finish? | 12/21/2018 | Flooring to be RT 1,5,6 as indicated on drawing I-112.1 | 12/21/2018 | 2 |
| 78 | 09B | Corridor E234 – I-001 shows base to be RT1. Should this be RB1? | 12/21/2018 | Correct. Change to RB-1. | 12/21/2018 | 2 |
| 79 | 09B | What is the flooring finish for the elevator cab? | 12/21/2018 | Provide Rubber flooring in elevator cab. | 12/21/2018 | 2 |
| 80 | 09B | Stairs with Wausau treads – Does top step get full tread or rubber nosing? | 12/21/2018 | Full Tread | 12/21/2018 | 2 |
| 81 | 09B | however the products specified are either 19.7" x 19.7" or 40" x 40". This size difference will skew these patterns. What is the design intent? | 12/21/2018 | Refer to carpet tile manufacturers pattern plans for layout of carpet tile attached to Addendum 2 | 12/21/2018 | 2 |
| 82 | 09B | Please verify there is no flooring finish under auditorium seating. | 12/21/2018 | No flooring under auditorium seating, sealed concrete. | 12/21/2018 | 2 |
| 84 | 09C | A-121.1 - Please verify that Toilet room A114 is also to have note 5, existing to remain. | 12/21/2018 | ADD note 5 to room A114. Existing to remain. | 12/21/2018 | 2 |
| 85 | 09C | A-121.2 - Please verify that Toilet room B109 and B111.1 are also to have note 5, existing to remain. | 12/21/2018 | ADD note 5 to rooms B109 & B111.1. Existing to remain. | 12/21/2018 | 2 |
| 86 | 09C | A-121.4- please confirm that all room which don't list an ACT type are ACT-1 per general note B | 12/21/2018 | Correct. All acoustic ceilings are ACT-1 unless otherwise noted. | 12/21/2018 | 2 |
| 87 | 09C | Acoustical Ceilings in toilet rooms - Some toilet rooms have ACT-1 and some have ACT-2. Please confirm intended ceiling for Ingle and Gang toilet rooms? | 12/21/2018 | All toilet rooms to be ACT-2. | 12/21/2018 | 2 |
| 88 | 09B | The current stair treads have embedded aluminum nosing, will these nosings be removed for flooring installation? | 12/21/2018 | Existing aluminum nosings at stairs will remain. Rubber treads will go over top. | 12/21/2018 | 2 |

SECTION 00 40 00
BID FORM

For Bids Due: 1/10/2019 **To:** Brandywine School District
1311 Brandywine Boulevard
Wilmington, DE 19809

Bid Package: 06A – Carpentry

Name of Bidder: _____

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

(Other License Nos.): _____

Phone 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 themselves 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:

BASE BID: \$ _____ **Dollars**
(\$ _____)

ALTERNATES – See Specific Scope of Work for complete descriptions of alternate pricing :

Refer to the specifications and specific scope of work for alternates. Not all of the blanks spaces may be required. Alternate prices are to conform to applicable project specification sections or drawing details. An “ADD” or “DEDUCT” amount is indicated by the crossed out part that does not apply. If alternate does not apply to a specific bid package, insert: “Not Applicable”

1. Alternate No. 1: Replace pool pak
Add / Deduct: _____ NOT APPLICABLE _____ Dollars
(\$ _____)

2. Alternate No. 2: Replace Pool Lighting
Add / Deduct: _____ NOT APPLICABLE _____ Dollars
(\$ _____)

3. Alternate No. 3: Add telescoping bleachers at gymnasium.
Add / Deduct: _____ NOT APPLICABLE _____ Dollars
(\$ _____)

4. Alternate No. 4: NOT USED

5. Alternate No. 5: Replace gymnasium lighting.

- Add / Deduct: _____ NOT APPLICABLE _____ Dollars
 (\$ _____)
6. Alternate No. 6: Replace gymnasium HVAC
 Add / Deduct: _____ NOT APPLICABLE _____ Dollars
 (\$ _____)
7. Alternate No. 7: Refurbish, refinish, and restripe gymnasium floor. Paint Gymnasium. *Addendum 2*
 Add / Deduct: _____ Dollars
 (\$ _____)
8. Alternate No. 8: New backboards and wall pads at gymnasium.
 Add / Deduct: _____ NOT APPLICABLE _____ Dollars
 (\$ _____)
9. Alternate No. 9: Replace auditorium house lighting.
 Add / Deduct: _____ NOT APPLICABLE _____ Dollars
 (\$ _____)
10. Alternate No. 10: Refurbish auditorium stage. *Addendum 2*
 Add / Deduct: _____ Dollars
 (\$ _____)
11. Alternate No. 11: Replace Auditorium Seating.
 Add / Deduct: _____ NOT APPLICABLE _____ Dollars
 (\$ _____)
12. Alternate No. 12: Curtain wall at Area D South facade.
 Add / Deduct: _____ Dollars
 (\$ _____)
13. Alternate No. 13: HPL Screen Wall at Area D North facade.
 Add / Deduct: _____ NOT APPLICABLE _____ Dollars
 (\$ _____)
14. Alternate No. 14: Replace Pool Roof
 Add / Deduct: _____ NOT APPLICABLE _____ Dollars
 (\$ _____)
15. Alternate No. 15: Replace Gymnasium Roof
 Add / Deduct: _____ NOT APPLICABLE _____ Dollars
 (\$ _____)
16. Alternate No. 16: Replace Auditorium Roof
 Add / Deduct: _____ NOT APPLICABLE _____ Dollars
 (\$ _____)
17. Alternate No. 17: Not Used
18. Alternate No. 18: Replacement flush valves and wash sinks
 Add / Deduct: _____ NOT APPLICABLE _____ Dollars

(\$)

- 19. Alternate No. 19: Bookshelves at Classrooms
 Add / Deduct: _____ NOT APPLICABLE _____ Dollars
 (\$)
- 20. Alternate No. 20: Tubular Skylights
 Add / Deduct: _____ NOT APPLICABLE _____ Dollars
 (\$)
- 21. Alternate No. 21: Replace existing windows at Areas D, E, & F
 Add / Deduct: _____ Dollars
 (\$)
- 22. Alternate No. 22: New floors at group toilet rooms. Accent tile at walls.
 Add / Deduct: _____ NOT APPLICABLE _____ Dollars
 (\$)
- 23. Alternate No. 23: New windows at Area E
 Add / Deduct: _____ Dollars
 (\$)
- 24. Alternate No. 24: New windows at Area F
 Add / Deduct: _____ Dollars
 (\$)
- 25. Alternate No. 25: Data Infrastructure
 Add / Deduct: _____ NOT APPLICABLE _____ Dollars
 (\$)

UNIT PRICES – See specific Scope of Work for unit pricing description:

Unit prices conform to applicable project specification section. Refer to the specifications and/or specific scope of work for a complete description of required unit prices for this bid package.

| | ADD | DEDUCT |
|------------------------|-----|--------|
| UNIT PRICE No. 1 _____ | \$ | \$ |
| UNIT PRICE No. 2 _____ | \$ | \$ |

I/We acknowledge the receipt of addenda as listed below and the price(s) submitted include any cost/schedule impact they may have.

| Addendum Number | Date of Addendum |
|-----------------|------------------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

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 (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 complete all the work required in accordance with the project schedule include in specification section 013210.

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)

(Printed Name and Title)

Date: _____

ATTACHMENTS

- Sub-Contractor List (See Section 00435 and any updates by addenda)
- Non-Collusion Statement
- Affidavit of Employee Drug Testing Program
- Bid Security (Deposit or Bid Bond)

BID FORM

Bid Package # BSD19001-06A

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 6962 (d)(10)b Delaware Code, the following sub-contractor listing must accompany the bid submittal. The name and address of the sub-contractor **must be listed for each category** where the bidder intends to use a sub-contractor to perform that category of work. In order to provide full disclosure and acceptance of the bid by the *Owner*, **it is required that bidders list themselves as being the sub-contractor for all categories where he/she is qualified and intends to perform such work.** This form must be filled out completely with no additions or deletions.

NOTE: Subcontractor categories specific to each bid package are listed in specification section 00435 and will be updated at the pre-bid meeting and via addendum. If no categories are requested for a bid package, then none are required to be submitted. Refer to specification section 00435 and any addenda that may modify the required listing.

| <u>Subcontractor Category</u> | <u>Subcontractor</u> | <u>Address (City & State) & License #</u> |
|--------------------------------------|----------------------|---|
| Doors Frames and Hardware Install | | City _____ State _____ License _____ # _____ |

BID FORM

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 to the Brandywine School District.

All the terms and conditions of **Bid #BSD19001-CLAYMONT-BID_PAC_B** 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.

**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.

END OF SECTION

SECTION 00 40 00
BID FORM

For Bids Due: 1/10/2019

To: Brandywine School District
1311 Brandywine Boulevard
Wilmington, DE 19809

Bid Package: 09B – Flooring

Name of Bidder: _____

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

(Other License Nos.): _____

Phone 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 themselves 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:

BASE BID: \$ _____ **Dollars**
(\$ _____)

ALTERNATES – See Specific Scope of Work for complete descriptions of alternate pricing :

Refer to the specifications and specific scope of work for alternates. Not all of the blanks spaces may be required. Alternate prices are to conform to applicable project specification sections or drawing details. An “ADD” or “DEDUCT” amount is indicated by the crossed out part that does not apply. If alternate does not apply to a specific bid package, insert: “Not Applicable”

1. Alternate No. 1: Replace pool pak
Add / Deduct: _____ NOT APPLICABLE _____ Dollars
(\$ _____)

2. Alternate No. 2: Replace Pool Lighting
Add / Deduct: _____ NOT APPLICABLE _____ Dollars
(\$ _____)

3. Alternate No. 3: Add telescoping bleachers at gymnasium.
Add / Deduct: _____ NOT APPLICABLE _____ Dollars
(\$ _____)

4. Alternate No. 4: NOT USED

5. Alternate No. 5: Replace gymnasium lighting.
Add / Deduct: _____ NOT APPLICABLE _____ Dollars

(\$)

6. Alternate No. 6: Replace gymnasium HVAC
 Add / Deduct: NOT APPLICABLE Dollars
 (\$)

7. Alternate No. 7: Refurbish, refinish, and restripe gymnasium floor. Paint Gymnasium.
 Add / Deduct: NOT APPLICABLE – Addendum 2 Dollars
 (\$)

8. Alternate No. 8: New backboards and wall pads at gymnasium.
 Add / Deduct: NOT APPLICABLE Dollars
 (\$)

9. Alternate No. 9: Replace auditorium house lighting.
 Add / Deduct: NOT APPLICABLE Dollars
 (\$)

10. Alternate No. 10: Refurbish auditorium stage.
 Add / Deduct: NOT APPLICABLE – Addendum 2 Dollars
 (\$)

11. Alternate No. 11: Replace Auditorium Seating.
 Add / Deduct: NOT APPLICABLE Dollars
 (\$)

12. Alternate No. 12: Curtain wall at Area D South facade.
 Add / Deduct: _____ Dollars
 (\$)

13. Alternate No. 13: HPL Screen Wall at Area D North facade.
 Add / Deduct: NOT APPLICABLE Dollars
 (\$)

14. Alternate No. 14: Replace Pool Roof
 Add / Deduct: NOT APPLICABLE Dollars
 (\$)

15. Alternate No. 15: Replace Gymnasium Roof
 Add / Deduct: NOT APPLICABLE Dollars
 (\$)

16. Alternate No. 16: Replace Auditorium Roof
 Add / Deduct: NOT APPLICABLE Dollars
 (\$)

17. Alternate No. 17: Not Used

18. Alternate No. 18: Replacement flush valves and wash sinks
 Add / Deduct: NOT APPLICABLE Dollars
 (\$)

- 19. Alternate No. 19: Bookshelves at Classrooms
 Add / Deduct: _____ Dollars
 (\$ _____)
- 20. Alternate No. 20: Tubular Skylights
 Add / Deduct: _____ NOT APPLICABLE Dollars
 (\$ _____)
- 21. Alternate No. 21: Replace existing windows at Areas D, E, & F
 Add / Deduct: _____ NOT APPLICABLE Dollars
 (\$ _____)
- 22. Alternate No. 22: New floors at group toilet rooms. Accent tile at walls.
 Add / Deduct: _____ NOT APPLICABLE Dollars
 (\$ _____)
- 23. Alternate No. 23: New windows at Area E
 Add / Deduct: _____ NOT APPLICABLE Dollars
 (\$ _____)
- 24. Alternate No. 24: New windows at Area F
 Add / Deduct: _____ NOT APPLICABLE Dollars
 (\$ _____)
- 25. Alternate No. 25: Data Infrastructure
 Add / Deduct: _____ NOT APPLICABLE Dollars
 (\$ _____)

UNIT PRICES – See specific Scope of Work for unit pricing description:

Unit prices conform to applicable project specification section. Refer to the specifications and/or specific scope of work for a complete description of required unit prices for this bid package.

| | ADD | DEDUCT |
|------------------------|----------|----------|
| UNIT PRICE No. 1 _____ | \$ _____ | \$ _____ |
| UNIT PRICE No. 2 _____ | \$ _____ | \$ _____ |

I/We acknowledge the receipt of addenda as listed below and the price(s) submitted include any cost/schedule impact they may have.

| Addendum Number | Date of Addendum |
|-----------------|------------------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

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 (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 complete all the work required in accordance with the project schedule include in specification section 013210.

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)

(Printed Name and Title)

Date: _____

ATTACHMENTS

- Sub-Contractor List (See Section 00435 and any updates by addenda)
- Non-Collusion Statement
- Affidavit of Employee Drug Testing Program
- Bid Security (Deposit or Bid Bond)

BID FORM

Bid Package # BSD19001-09B

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 6962 (d)(10)b Delaware Code, the following sub-contractor listing must accompany the bid submittal. The name and address of the sub-contractor **must be listed for each category** where the bidder intends to use a sub-contractor to perform that category of work. In order to provide full disclosure and acceptance of the bid by the *Owner*, **it is required that bidders list themselves as being the sub-contractor for all categories where he/she is qualified and intends to perform such work.** This form must be filled out completely with no additions or deletions.

NOTE: Subcontractor categories specific to each bid package are listed in specification section 00435 and will be updated at the pre-bid meeting and via addendum. If no categories are requested for a bid package, then none are required to be submitted. Refer to specification section 00435 and any addenda that may modify the required listing.

| <u>Subcontractor Category</u> | <u>Subcontractor</u> | <u>Address (City & State) & License #</u> |
|-------------------------------|----------------------|---|
| <u>Carpet</u> | _____ | City _____ State _____ License # _____ |
| <u>Resilient Flooring</u> | _____ | City _____ State _____ License # _____ |
| _____ | _____ | City _____ State _____ License # _____ |
| _____ | _____ | City _____ State _____ License # _____ |
| _____ | _____ | City _____ |

BID FORM

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 to the Brandywine School District.

All the terms and conditions of **Bid #BSD19001-CLAYMONT-BID_PAC_B** 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.

**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.

END OF SECTION

SECTION 00 40 00
BID FORM

For Bids Due: 1/10/2019

To: Brandywine School District
1311 Brandywine Boulevard
Wilmington, DE 19809

Bid Package: 23A –HVAC

Name of Bidder: _____

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

(Other License Nos.): _____

Phone 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 themselves 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:

BASE BID: \$ _____ **Dollars**

(\$ _____)

ALTERNATES – See Specific Scope of Work for complete descriptions of alternate pricing :

Refer to the specifications and specific scope of work for alternates. Not all of the blanks spaces may be required. Alternate prices are to conform to applicable project specification sections or drawing details. An “ADD” or “DEDUCT” amount is indicated by the crossed out part that does not apply. If alternate does not apply to a specific bid package, insert: “Not Applicable”

1. Alternate No. 1: Replace pool pak
Add / Deduct: _____ Dollars
(\$ _____)

2. Alternate No. 2: Replace Pool Lighting
Add / Deduct: _____ NOT APPLICABLE Dollars
(\$ _____)

3. Alternate No. 3: Add telescoping bleachers at gymnasium.
Add / Deduct: _____ NOT APPLICABLE Dollars
(\$ _____)

4. Alternate No. 4: NOT USED

5. Alternate No. 5: Replace gymnasium lighting.
Add / Deduct: _____ NOT APPLICABLE Dollars
(\$ _____)

- 19. Alternate No. 19: Bookshelves at Classrooms
 Add / Deduct: _____ NOT APPLICABLE _____ Dollars
 (\$ _____)
- 20. Alternate No. 20: Tubular Skylights
 Add / Deduct: _____ Dollars
 (\$ _____)
- 21. Alternate No. 21: Replace existing windows at Areas D, E, & F
 Add / Deduct: _____ NOT APPLICABLE _____ Dollars
 (\$ _____)
- 22. Alternate No. 22: New floors at group toilet rooms. Accent tile at walls.
 Add / Deduct: _____ NOT APPLICABLE _____ Dollars
 (\$ _____)
- 23. Alternate No. 23: New windows at Area E
 Add / Deduct: _____ NOT APPLICABLE _____ Dollars
 (\$ _____)
- 24. Alternate No. 24: New windows at Area F
 Add / Deduct: _____ NOT APPLICABLE _____ Dollars
 (\$ _____)
- 25. Alternate No. 25: Data Infrastructure
 Add / Deduct: _____ NOT APPLICABLE _____ Dollars
 (\$ _____)

UNIT PRICES – See specific Scope of Work for unit pricing description:

Unit prices conform to applicable project specification section. Refer to the specifications and/or specific scope of work for a complete description of required unit prices for this bid package.

| | ADD | DEDUCT |
|------------------------|----------|----------|
| UNIT PRICE No. 1 _____ | \$ _____ | \$ _____ |
| UNIT PRICE No. 2 _____ | \$ _____ | \$ _____ |

I/We acknowledge the receipt of addenda as listed below and the price(s) submitted include any cost/schedule impact they may have.

| Addendum Number | Date of Addendum |
|-----------------|------------------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

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 (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 complete all the work required in accordance with the project schedule include in specification section 013210.

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)

(Printed Name and Title)

Date: _____

ATTACHMENTS

- Sub-Contractor List (See Section 00435 and any updates by addenda)
- Non-Collusion Statement
- Affidavit of Employee Drug Testing Program
- Bid Security (Deposit or Bid Bond)

BID FORM

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 to the Brandywine School District.

All the terms and conditions of **Bid #BSD19001-CLAYMONT-BID_PAC_B** 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.

**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.

END OF SECTION

SECTION 00 40 00
BID FORM

For Bids Due: 1/10/2019

To: Brandywine School District
1311 Brandywine Boulevard
Wilmington, DE 19809

Bid Package: 26A – Electrical

Name of Bidder: _____

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

(Other License Nos.): _____

Phone 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 themselves 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:

BASE BID: \$ _____ **Dollars**
(\$ _____)

ALTERNATES – See Specific Scope of Work for complete descriptions of alternate pricing :

Refer to the specifications and specific scope of work for alternates. Not all of the blanks spaces may be required. Alternate prices are to conform to applicable project specification sections or drawing details. An “ADD” or “DEDUCT” amount is indicated by the crossed out part that does not apply. If alternate does not apply to a specific bid package, insert: “Not Applicable”

1. Alternate No. 1: Replace pool pak
Add / Deduct: _____ Dollars
(\$ _____)

2. Alternate No. 2: Replace Pool Lighting
Add / Deduct: _____ Dollars
(\$ _____)

3. Alternate No. 3: Add telescoping bleachers at gymnasium.
Add / Deduct: _____ NOT APPLICABLE _____ Dollars
(\$ _____)

4. Alternate No. 4: NOT USED

5. Alternate No. 5: Replace gymnasium lighting.
Add / Deduct: _____ Dollars
(\$ _____)

6. Alternate No. 6: Replace gymnasium HVAC
Add / Deduct: _____ Dollars
(\$)

7. Alternate No. 7: Refurbish, refinish, and restripe gymnasium floor. Paint Gymnasium.
Add / Deduct: _____ NOT APPLICABLE _____ Dollars
(\$)

8. Alternate No. 8: New backboards and wall pads at gymnasium.
Add / Deduct: _____ NOT APPLICABLE _____ Dollars
(\$)

9. Alternate No. 9: Replace auditorium house lighting.
Add / Deduct: _____ Dollars
(\$)

10. Alternate No. 10: Refurbish auditorium stage.
Add / Deduct: _____ NOT APPLICABLE _____ Dollars
(\$)

11. Alternate No. 11: Replace Auditorium Seating.
Add / Deduct: _____ NOT APPLICABLE _____ Dollars
(\$)

12. Alternate No. 12: Curtain wall at Area D South facade.
Add / Deduct: _____ Dollars
(\$)

13. Alternate No. 13: HPL Screen Wall at Area D North facade.
Add / Deduct: _____ NOT APPLICABLE _____ Dollars
(\$)

14. Alternate No. 14: Replace Pool Roof
Add / Deduct: _____ Dollars
(\$)

15. Alternate No. 15: Replace Gymnasium Roof
Add / Deduct: _____ Dollars
(\$)

16. Alternate No. 16: Replace Auditorium Roof
Add / Deduct: _____ Dollars
(\$)

17. Alternate No. 17: Not Used

18. Alternate No. 18: Replacement flush valves and wash sinks
Add / Deduct: _____ NOT APPLICABLE _____ Dollars
(\$)

19. Alternate No. 19: Bookshelves at Classrooms
 Add / Deduct: _____ Dollars
 (\$ _____)
20. Alternate No. 20: Tubular Skylights
 Add / Deduct: _____ NOT APPLICABLE _____ Dollars
 (\$ _____)
21. Alternate No. 21: Replace existing windows at Areas D, E, & F
 Add / Deduct: _____ NOT APPLICABLE _____ Dollars
 (\$ _____)
22. Alternate No. 22: New floors at group toilet rooms. Accent tile at walls.
 Add / Deduct: _____ NOT APPLICABLE _____ Dollars
 (\$ _____)
23. Alternate No. 23: New windows at Area E
 Add / Deduct: _____ NOT APPLICABLE _____ Dollars
 (\$ _____)
24. Alternate No. 24: New windows at Area F
 Add / Deduct: _____ NOT APPLICABLE _____ Dollars
 (\$ _____)
25. Alternate No. 25: Data Infrastructure
 Add / Deduct: _____ Dollars
 (\$ _____)

UNIT PRICES – See specific Scope of Work for unit pricing description:

Unit prices conform to applicable project specification section. Refer to the specifications and/or specific scope of work for a complete description of required unit prices for this bid package.

| | ADD | DEDUCT |
|------------------------|----------|----------|
| UNIT PRICE No. 1 _____ | \$ _____ | \$ _____ |
| UNIT PRICE No. 2 _____ | \$ _____ | \$ _____ |

I/We acknowledge the receipt of addenda as listed below and the price(s) submitted include any cost/schedule impact they may have.

| Addendum Number | Date of Addendum |
|-----------------|------------------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

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 (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 complete all the work required in accordance with the project schedule include in specification section 013210.

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)

(Printed Name and Title)

Date: _____

ATTACHMENTS

- Sub-Contractor List (See Section 00435 and any updates by addenda)
- Non-Collusion Statement
- Affidavit of Employee Drug Testing Program
- Bid Security (Deposit or Bid Bond)

BID FORM

Bid Package # BSD19001-26A

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 6962 (d)(10)b Delaware Code, the following sub-contractor listing must accompany the bid submittal. The name and address of the sub-contractor **must be listed for each category** where the bidder intends to use a sub-contractor to perform that category of work. In order to provide full disclosure and acceptance of the bid by the *Owner*, **it is required that bidders list themselves as being the sub-contractor for all categories where he/she is qualified and intends to perform such work.** This form must be filled out completely with no additions or deletions.

NOTE: Subcontractor categories specific to each bid package are listed in specification section 00435 and will be updated at the pre-bid meeting and via addendum. If no categories are requested for a bid package, then none are required to be submitted. Refer to specification section 00435 and any addenda that may modify the required listing.

| <u>Subcontractor Category</u> | <u>Subcontractor</u> | <u>Address (City & State) & License #</u> |
|-------------------------------|----------------------|---|
| Electrical | | City _____ State _____ License # _____ |
| Data | | City _____ State _____ License # _____ |
| Fire Alarm | | City _____ State _____ License # _____ |
| | | City _____ State _____ License # _____ |

BID FORM

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 to the Brandywine School District.

All the terms and conditions of **Bid #BSD19001-CLAYMONT-BID_PAC_B** 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.

**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.

END OF SECTION

SECTION 011200-03A – SPECIFIC SCOPE OF WORK –CONCRETE

SPECIFIC SCOPE – CONCRETE

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

SPECIFICATION SECTIONS

Prepared by ABHA Architects, dated November 7, 2018:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

| Section | Description | Responsibility |
|----------------|--|-----------------------|
| Division 00 | Procurement and Contracting Requirements | In Its Entirety |
| Division 01 | General Requirements | In Its Entirety |
| Division 02 | Existing Conditions | As Applicable |
| Division 03 | Concrete | In Its Entirety |
| Division 04 | Masonry | As Applicable |
| Division 05 | Steel | As Applicable |
| 07 13 00 | Sheet Waterproofing | As Applicable |
| 07 21 00 | Thermal Insulation | As Applicable |
| 07 26 17 | Under-Slab Vapor Barrier/Retarder | As Applicable |

NARRATIVE:

1. Include the cost of performance and payment bonds in the base bid.
2. Review all drawings including structural, architectural, mechanical, electrical, plumbing, fire protection and food service prior to mobilization to identify all items that need to be embedded, penetrate or generally coordinated with steel work.
3. Perform all work in accordance with current OSHA safety regulations and Whiting-Turner safety rules.
4. This Contractor owns working extended hour as required to finish concrete on days of pours as part of your Contract.
5. Daily clean-up of debris. If this contractor does not clean the site to the satisfaction of Whiting-Turner, Whiting-Turner reserves the right to clean the site with their own forces at the expense of this contractor.

6. Furnish and install full-time onsite superintendent to monitor and supervise work described herein. The project manager assigned to this work is required to visit the site a minimum of two times a week. When the Project Manager is onsite he must meet with Whiting-Turner superintendent and project manager.
7. The Contractor is required to supply the Construction Manager with a list of subs and suppliers before receiving any payment.
8. Include the cost to haul off and dispose all excess excavated soil in a legal manor.
9. Provide for cleaning of streets and sidewalks if dirtied by the operations of this Contractor. Maintain a clean work area throughout the day and provide a clean up at the end of the shift.
10. This contractor is responsible for all Concrete work within the building footprint including all entrances. Note, sanitary trenching is provided by plumbing contractor, plumbing contractor is responsible for providing concrete for all trenching performed within the plumbing contract.
11. This contractor shall provide all excavation, backfill, gravel, vapor barriers, water stop, water proofing, waterproofing protection board, rigid insulation, drainage board, reinforcing, additives, expansion joints, formwork, and concrete to create a concrete system per the plans and specifications.
12. This Contractor shall provide all reinforcing, accessories, including but not limited to tie wire, splicing requirements, chairs or other approved support methods, etc.
13. This contractor shall backfill exterior foundation walls. This contractor is responsible for all building interior backfill.
14. This contractor is to provide all weather protection, curing measures, and hot and cold concrete procedures including but not limited to blankets, visqueen, etc. per ACI Standards.
15. Provide grouting of all columns and bearing plates **in new work poured by this contractor.**
Addendum #2
16. Provide and pay for all lifting and hoisting, including pumping and transporting concrete and materials to placement area.
17. Provide for rain water pumping and mucking of the footing and pits including but not limited to mucking, hoses, pumps, power, sediment control, fuel, etc. required to accomplish the work described herein. Maintain and remove sump pits as necessary for this contractor's work.
18. Furnish and install all reinforcing bars that are embedded in concrete and turned up into masonry work.
19. Footings must be poured the day they are dug (to prevent flooding), coordinate inspections with New Castle County and 3rd party testing agent.
20. By submitting a bid it is assumed that this contractor has visited the site and is familiar with the requirements of this project.
21. This contractor shall install anchor bolts and other imbeds supplied by the structural steel, elevator contractors and other trade contractors **in this contractor work.** *Addendum #2*
22. This contractor is responsible to provide any necessary fall protection to perform work.
23. This contractor shall provide all sealers per the specifications. **Concrete floor sealers noted in the finish schedule is by other.** *Addendum #2*
24. This contractor shall coordinate and provide Whiting-Turner a concrete pour schedule giving at minimum 72 hr. notice of all pours. This will give Whiting-Turner adequate time to schedule building inspectors and independent inspection agencies. Any delays incurred by the concrete contractor for the inspection agencies not being present will be the responsibility of the concrete contractor if this schedule is not submitted in writing at least 72 hours in advance.
25. This contractor shall provide all weather protection, curing measures, and hot and cold concrete procedures including but not limited to blankets, visqueen, etc. per ACI standards.
26. This contractor shall provide, maintain, and remove a curing box if necessary.
27. This contractor shall provide all concrete in all stair treads and stair landing pans ~~and shall set all nosing's.~~ Each stair tower will be done separately. It is assumed each tower will be poured within 1 week of the stairs being set. **See Drawings A-431 – A-433 for locations of terrazzo stair treads (by others) where no concrete is required.** – *Addendum #2*

28. Provide a separate mobilization for all concrete fill above the footings after the columns and base plates have been installed. This contractor is responsible for grouting of all base plates.
29. Provide a shop drawing indicating all construction joints in slabs.
30. Provide additional reinforcing at penetrations as necessary
31. Provide all plywood forms, wire mesh and reinforcing required for the installation of a complete floor system is by this contractor. This contractor will also furnish and install the flange hanger pieces where required (steel beams, walls, etc)
32. Furnish and install all ~~anchor bolts~~, lag bolts, toggle bolts, powder actuated pins, machine screws, and expansion shields, lock washer and other fasteners associated with this scope of work. *Addendum #2*
33. Weld any rebar to beams/steel as required **by drawings or specification.** *Addendum #2*
34. A limited amount of storage space is available to this contractor. Contractor shall coordinate deliveries to the jobsite in quantities as per floor and as storage availability permits.
35. This contractor is responsible for any slab depressions, box outs and concrete fills/toppings, not limited to walk off mats, refrigerated walking coolers, terrazzo and other flooring.
36. Contractor is responsible to slope concrete slabs to floor drains..
37. All Floor Flatness and Floor levelness per the specifications and within the tolerances of the finish materials being applied to the concrete.
38. This contractor is required to have rebar caps on all rebar ends per OSHA guidelines. Additionally this contractor shall have excess caps onsite as to respond to any request to cap the rebar by the CM.
39. All curing compounds must be coordinated with the floor finish manufactures acceptable finishes.
40. This contractor is responsible for providing a washout area and maintained as required per DNREC.
41. Install all anchor bolts for furnished by others for embedment in this contracts work, layout per anchor drawings provided by others.
42. This Contractor is to cover all holes in slab with anchored 3/4" plywood the day after each slab pour. WT will provide signage that this contractor is to install at each opening (attached to each piece of plywood). Assume this to be done at all shaft and diamond locations.
43. Provide elevator slabs box out for sump., including required waterproofing. Waterproofing on CMU by mason.
44. Provide excavation as need for your work for ADA seating modifications in auditorium, reconfigured ramp and stair modification auditorium lobby and corridor. Demolition contractor to remove slabs, stairs and ramps at auditorium lobby and corridor.
45. Infill concrete at removed slabs. Plumber to provide infill at new sanitary below slab. See all drawings, Structural, MEP and Architecturals for infills.
46. Provide all footer as detailed on S101 -S103.
47. Provide interior slabs and at newly created vestibules. Sidewalks and exterior concrete stairs is the by Sitework Contractor. **Interior slabs at kitchen, D132, D137, D150, D138, D134, D135, D133 are provided by this contract, 03A – Addendum #2**
48. Infill concrete at exterior perimeter columns and headers. See 14/S-201 for details. Concrete removal by Demolition contractor.
49. Masonry screen wall footer as detailed on A-114 is by others.
50. Provide layout for demolition contractor where concrete is to be removed in gym lobby and auditorium.
51. Alternate 11 – include cost of patching concrete at removed fastener from removed seats.

ALLOWANCES

Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:

Provide an allowance of \$3,000 for additional MEP pads as required

ALTERNATES

Insert the following alternate prices into the spaces provided on the bid form.

ALTERNATE No. 1: Replace pool pak

ALTERNATE No. 2: Replace Pool Lighting

ALTERNATE No. 3: Add telescoping bleachers at gymnasium.

ALTERNATE No. 4: NOT USED

ALTERNATE No. 5: Replace gymnasium lighting.

ALTERNATE No. 6: Replace gymnasium HVAC

ALTERNATE No. 7: Refurbish, refinish, and restripe gymnasium floor. Paint Gymnasium.

ALTERNATE No. 8: New backboards and wall pads at gymnasium.

ALTERNATE No. 9: Replace auditorium house lighting.

ALTERNATE No. 10: Refurbish auditorium stage.

ALTERNATE No. 11: Replace Auditorium Seating.

ALTERNATE No. 12: Curtain wall at Area D south facade.

ALTERNATE No. 13: HPL Screen Wall at Area D north facade.

ALTERNATE No. 14: Replace Pool Roof

ALTERNATE No. 15: Replace Gymnasium Roof

ALTERNATE No. 16: Replace Auditorium Roof

ALTERNATE No. 17: NOT USED

ALTERNATE No. 18: Replacing flush valves and wash sinks.

ALTERNATE No. 19: Bookshelves at Classrooms.

ALTERNATE No. 20: Tubular Skylights

ALTERNATE No. 21: Replace existing windows at Areas D, E, & F

ALTERNATE No. 22: New floors at group toilet rooms. Accent tile at walls.

ALTERNATE No. 23: New windows at Area E

ALTERNATE No. 24: New windows at Area F

ALTERNATE No. 25: Data Infrastructure

UNIT PRICES

None.

SECTION 011200-04A – SPECIFIC SCOPE OF WORK –MASONRY

SPECIFIC SCOPE – MASONRY:

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

SPECIFICATION SECTIONS

Prepared by ABHA Architects, dated November 7, 2018:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

| Section | Description | Responsibility |
|----------------|--|-----------------------|
| Division 00 | Procurement and Contracting Requirements | In Its Entirety |
| Division 01 | General Requirements | In Its Entirety |
| Division 02 | Existing Conditions | As Applicable |
| Division 03 | Concrete | As Applicable |
| Division 04 | Masonry | In Its Entirety |
| Division 05 | Metals | As Applicable |
| Division 07 | Thermal and Moisture Protection | As Applicable |
| 07 11 13 | Bituminous Dampproofing | In Its Entirety |
| 07 13 00 | Sheet Waterproofing | In Its Entirety |
| 07 25 00 | Weather Barriers | As Applicable |
| 07 62 00 | Sheet Metal Flashing and Trim | As Applicable |
| 07 84 00 | Firestopping | As Applicable |
| 07 92 00 | Joint Sealants | In Its Entirety |
| 07 95 13 | Expansion Joint Cover Assemblies | As Applicable |
| Division 08 | Openings | As Applicable |
| Division 14 | Conveying Equipment | As Applicable |

NARRATIVE:

1. Include the cost of performance and payment bonds in the base bid.
2. Provide masonry patching at head, jambs, and sills as shown for new window installations.

3. Patching of masonry walls at removed devices, including but not limited to: clocks, bells, electrical devices, display boards, etc.
4. All masonry patches and infills to be toothed in.
5. Provide the following masonry items including but not limited to: brick, CMU (above and below grade), bond beams, pre-cast concrete lintels, pre-cast copings and sills, masonry flashings at CMU and brick locations.
6. Provide all necessary submittals: mortar mix designs, CMU, brick, stone samples, flashing, masonry accessories, etc.
7. Provide entire masonry demo of CMU and brick in preparation of new window installation. Also include masonry demo for new jamb steel tubes as shown on 14/S-201 and steel headers. Provide toothing in at new window and doors openings in brick and CMU. Remove all debris to CM provided block dumpster. Include new flashing and installation of lintels.
8. This contractor shall provide ½" plywood (min.) protection of all newly created masonry openings so that the building is secure and weathertight at the end of each shift. Removal and patching of fastener holes is by mason.
9. Provide all new masonry walls, foundation walls, knee walls, masonry infills, and elevator shaft as indicated. The masonry screen wall in the courtyard and items on A-521 are by others.
10. Modifications to existing masonry walls as necessary to accept new fire extinguisher cabinets.
11. Provide all new exterior stone treads and landings as indicated.
12. Provide blankets and mortar additives as required by contract schedule.
13. Contain run-off from masonry mixing stations wash downs
14. Include precast stone caps and dowels
15. All new masonry walls, walls, bases and precast lintels at new custom display cases as indicated.
16. Provide all new masonry thru-wall flashings at locations indicated and as required for new roof system installation. Include brick removal necessary to install new flashing. Coordinate height of new flashing with roofing contractor. Patch locations with brick and mortar to match adjacent brick and mortar colors. Contractor may re-use demoed brick for patching at their discretion.
17. Provide masonry patching at all removed items per Note B/A201. Include brick/CMU infills at all louvers scheduled to be removed.
18. Provide grouting and reinforcement of all CMU as required.
19. Provide pockets and grouting of CMU walls as required for new steel stairs.
20. Provide all CMU bond beams and precast lintels as required at wall openings, door openings, mechanical and electrical penetrations. Contractor shall coordinate with MEP drawings. Grout all CMU as indicated.
21. Make repair in existing masonry as indicated, additionally remove unused fasteners and patch masonry all at all interior and exterior masonry walls to remain. Patch existing holes up to 3/4" in interior and exterior masonry wall to remain. Patch at removed items, including clocks, electrical panels, fire valve cabinets, fire extinguisher cabinets, bells, back boxes, pipe penetration in interior CMU walls to remain, above and below grid. Contractor shall visit the site to survey the existing conditions prior to submitting their bid.
22. Provide all precast caps and sills as shown.
23. Install loose steel angle lintels furnished by others.
24. Provide labor and material to clean footings prior to CMU foundation wall work.
25. All interior CMU walls are to be constructed and tight to the underside of structure as required by partition types and details. Provide specified firesafing material/grouting and lateral supports as indicated at all locations where new masonry abuts structure or work by others.
26. Provide all waterproofing/damproofing as indicated.
27. All masonry walls to be constructed to meet all fire ratings as shown. Provide firesafing and fire sealants as required to meet UL listings indicated on A-003.

28. Provide all scaffolding and hoisting as required to complete this work. Masonry material is not transported in existing passenger elevator.
29. Review all drawings including structural, architectural, interiors, mechanical, electrical, plumbing, fire protection and food service prior to mobilization to identify all items that need to be embedded, penetrate or generally coordinated with masonry.
30. Install elevator embeds per elevator shops drawings.
31. Provide all rebar in masonry walls and foundation walls. Provide rebar set in masonry foundations walls that ties into concrete slabs. All exposed ends of rebar must be capped.
32. Provide all brick ties in CMU back-up walls and structural stud back-up walls. Coordinate installation of ties in stud back-up walls with drywall and spray foam contractors.
33. Provide all architectural control joints in masonry walls.
34. Provide all architectural expansion joints in masonry walls.
35. Clean and protect all masonry prior to completion.
36. Provide plastic and plywood beneath all work areas to protect adjacent surfaces. Clean all mortar splatter, drippings, etc. from adjacent surfaces.
37. ALL saw cutting for masonry work is to be wet-cut.
38. Do not install finish masonry that is stained or discolored. Any stained or discolored masonry will be replaced.
39. Remove all excess material from site upon completion and as directed by construction manager.
Wash
40. Restore all laydown and work areas upon completion.
41. Provide brick wash down of new work. Protect adjacent construction as needed.
42. Grout all new hollow metal frames in new and existing masonry walls.
43. Install all anchor bolts and bearing plates set in masonry.
44. Provide all masonry wall bracing as required.
45. Provide any supplemental, temporary water, power and lighting above and beyond temporary facilities described in specifications.
46. Provide all weep holes, wicks, cavity drains and vents as shown. Keep weeps clean and clear during construction. Upon completion of walls sections, this contractor to perform water tests within cavity wall construction to ensure proper function of flashings and weep holes.
47. Provide tothing of masonry as needed at all masonry patching and to accommodate work of other trades and details.
48. Where existing electrical panels are removed in masonry walls to remain, this contractor shall provide CMU infills. Infills to be tothed in.
49. Set sleeves in walls for pipe penetrations. Sleeves provided by others.
50. Install all masonry walls plumb, square and true, within tolerances in specifications.
51. Provide plywood below any work done on top of the roof structure. Including plywood for paths of travel for loading and delivering materials on the roof.
52. Provide layout for all masonry walls. Assist carpentry contractor with layout of hollow metal openings in masonry walls. Hollow metal frames to be set prior to CMU wall construction. Layout all masonry walls that contain drains prior to the plumbing contractor performing any sawcutting.
53. Review mechanical, plumbing, fire protections and electrical drawing to account for duct penetrations, pipe penetrations and conduit penetrations through new CMU walls. Install sleeves for all pipe and conduit penetrations. Construct openings for ductwork in CMU walls per layout provided by others. Provide all precast concrete lintels at duct penetrations. Lintels to be sized per lintel schedule.
54. Provide raking and repointing of mortar joints at all areas indicated on the drawings. Contractor to visit the site to review the existing conditions prior to submitting their bid.

55. Remove masonry and tooth back in for structural steel attachment at entrance canopy along column line M between lines 23.8 – 18 – Addendum #2

ALLOWANCES

Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:

Allowance #1 – Provide a \$50,000 allowance for miscellaneous masonry work. All work related to this allowance will be tracked on tickets signed by Whiting-Turner personnel daily. Any amount not used will be credited back to the Owner.

ALTERNATES

Provide all masonry work, in accordance with above specific scope of work, as applicable, for the alternates listed below.

Insert the following alternate prices into the spaces provided on the bid form.

ALTERNATE No. 1: Replace pool pak

ALTERNATE No. 2: Replace Pool Lighting

ALTERNATE No. 3: Add telescoping bleachers at gymnasium.

ALTERNATE No. 4: NOT USED

ALTERNATE No. 5: Replace gymnasium lighting.

ALTERNATE No. 6: Replace gymnasium HVAC.

ALTERNATE No. 7: Refurbish, refinish, and restripe gymnasium floor. Paint gymnasium.

ALTERNATE No. 8: New backboards and wall pads at gymnasium.

ALTERNATE No. 9: Replace auditorium house lighting.

ALTERNATE No. 10: Refurbish auditorium stage.

ALTERNATE No. 11: Replace auditorium seating.

ALTERNATE No. 12: Curtain wall at Area D south facade.

ALTERNATE No. 13: HPL screen wall at Area D north facade.

ALTERNATE No. 14: Replace pool roof.

ALTERNATE No. 15: Replace gymnasium roof.

ALTERNATE No. 16: Replace auditorium roof.

ALTERNATE No. 17: NOT USED

ALTERNATE No. 18: Replacing flush valves and wash sinks.

ALTERNATE No. 19: Bookshelves at classrooms.

ALTERNATE No. 20: Tubular skylights.

ALTERNATE No. 21: Replace existing windows at Areas D, E, & F.

ALTERNATE No. 22: New floors at group toilet rooms. Accent tile at walls.

ALTERNATE No. 23: New windows at Area E.

ALTERNATE No. 24: New windows at Area F.

ALTERNATE No. 25: Data infrastructure.

UNIT PRICES

Provide the following unit prices. Whiting-Turner reserves the right to request lump sum or T&M pricing for extra work in lieu of applying unit prices.

1. Provide raking and repointing and washdown of masonry mortar joints, assume amounts over 50 linear feet, unit cost per linear feet.

SECTION 011200-06A – SPECIFIC SCOPE OF WORK –CARPENTRY

SPECIFIC SCOPE – CARPENTRY:

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

SPECIFICATION SECTIONS

Prepared by ABHA Architects, dated November 7, 2018:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

| Section | Description | Responsibility |
|----------------|--|-----------------------|
| Division 00 | Procurement and Contracting Requirements | In Its Entirety |
| Division 01 | General Requirements | In Its Entirety |
| 06 10 00 | Rough Carpentry | As Applicable |
| 06 20 00 | Finish Carpentry | In Its Entirety |
| 05 75 00 | Decorative Formed Metal | In Its Entirety |
| Division 07 | Thermal and Moisture Protection | As Applicable |
| 08 11 13 | Hollow Metal Doors and Frames | In Its Entirety |
| 08 14 16 | Flush wood doors | In Its Entirety |
| 08 17 00 | Integrated Door Opening Assembly | In Its Entirety |
| 08 36 13 | Sectional Doors | In Its Entirety |
| 08 70 00 | Door Hardware Schedule | In Its Entirety |
| 08 71 00 | Door Hardware | In Its Entirety |
| 08 80 00 | Glazing | As Applicable |

NARRATIVE:

1. Include the cost of performance and payment bonds in the base bid.
2. This contractor is responsible for all fall protection and safety requirements associated with roof work. When working from lifts & harnesses, or tie-offs provided by this contractor, OSHA standards must be met and followed at all times.

3. Daily Cleanup of debris. If this contractor does not clean the site to the satisfaction of Whiting Turner, Whiting Turner reserves the right to clean the site with their own forces at the expense of this contractor. Site must be maintained and cleaned daily.
4. A temporary power source will be provided, but it will be the responsibility of this contractor to have a backup power source in case the temporary service goes out. Temporary power will consist of 110V service. If a larger service is required to perform any work in the scope described herein, it will be the responsibility of this contractor.
5. The 06A Carpentry Contractor shall furnish attic stock as required per the specifications.
6. Furnish installation instructions for proper installation of all materials and products. Furnish all applicable product data.
7. This contractor is responsible to provide fire ratings per the documents and specifications. UL labels shall be provided on all rated components.
8. This contractor shall furnish and install all sealants integral to the work associated with this bid package.
9. This contractor shall provide factory stain or sealers for field touch-up by the painting contractor.
10. Wiring diagrams for all electrical devices provided and/or installed by this contractor are to be provided and coordinated with the Electrical Contractor in time for electrical rough-in.
11. This contractor shall furnish and install all wood window trim. Fill and sand fastener holes.
12. All wood and hollow metal doors to be glazed by carpentry contractor. Glazing of door frame sidelites and vision panels is by the glazing contractor 08A.
13. Furnish and install all fire rated plywood at the telephone and equipment backer boards as required. This work may be shown on the Mechanical/Electrical/Plumbing drawings.
14. Furnish and install all hollow metal doors, metal frames, wood doors, and all door hardware for hollow metal and wood doors. Furnish and install all louvers, grilles, or grates in doors or in frames. Furnish and install any necessary anchoring devices. Installation of all wood blocking in drywall as necessary to support door hardware must be coordinated with the Drywall Contractor, 09A.
15. Provide kerfed hollow metal door frames to accommodate continuous gasket as detailed on A-602
16. Furnish and install all hollow metal borrow lites and vision panel assemblies per the door schedule, the details and the notes.
17. Hardware for storefront door systems to be provided by Glazing contract 08A
18. For the installation of doorframes, anchor and set frames in place; plumb and level. The mason or partition contractor will build their walls to the doorframe. Coordinate this work with other trades. This contractor shall assist the drywall and masonry contractors with door frame layout in partitions. The 06A carpentry contractor is responsible to verify that the frames have not been disturbed by wall construction. Allow time to re-check the doorframes after the wall contractor. Realign frames as necessary. Leave spreaders in place until removal is approved. Remove spreaders in such a way as to create no damage and leave a clean finished product. Verify that air and surface temperature, moisture and humidity conditions are suitable for installation of the work in this bid package.
19. This contractor shall furnish all clips, temporary space bars, angles, fasteners, and special tools as required for installation and maintenance of the work included in this bid package.
20. This contractor is required to measure existing opening for new doors and frames, and report contract document inconsistencies in writing to CM prior to ordering material.
21. All hollow metal doors shall be factory primed and finished.
22. All hollow metal door frames shall be factory primed.
23. Coat inside of frames to be installed in masonry or to be grouted, with bituminous coating, prior to installation.

24. Provide sliding barn doors at cafeteria, if door manufacturer cannot provide the panel the specified width two doors together, grind smooth ready for paint
25. See hardware set #28 for door and hardware replacement on existing doors. Site survey is required. The function of all existing doors will be confirmed at the conclusion of the project.
26. Provide Total Door System integrated steel doors with hardware as indicated on door schedule
27. Include in this bid package any labor and material necessary to prepare the doors and frames to receive all hardware as listed in the hardware specification sets and in the door schedule notes. Coordinate the fabrication of doors and frames to be fully prepped to receive all hardware, glass, and security devices.
28. This contractor shall provide raceways within doors and/or frames for wiring to electrical hardware.
29. Provide keying to match existing system for all hardware items in this scope and glazing package 08A. This contractor is required to attend a keying conference, pre-installation conference and hardware coordination meeting at the project site with respect to the door hardware installation.
30. Provide and install (15) construction cores, (3) control keys and (10) keys to be used at Whiting-Turner's discretion, Include removal and return to WT at final keying.
31. Furnish and install overhead doors, coiling grilles, hoods, jambs, door operators and accessories required for a complete and operational system. This includes all sills, weather seals, push/pull handles, lock cylinders/cores, brackets, smoke seals, counterbalancing systems and all other necessary parts.
32. This contractor shall assist the electrical contractor in the wiring of all electronic hardware. Provide detailed wiring diagrams and onsite support as necessary. Commission the operation of the doors to verify that they are working according to the manufacturer's specifications.
33. Coordinate with the electrical contractor to insure that provisions are compatible with electrically operated hardware components.
34. This contractor shall provide field measuring, shop drawings, hardware schedule, labels on doors, labels on hardware, etc. Properly label all finish hardware by set number and number all doors to align with the corresponding door number on the contract drawings.
35. Provide metal column surrounds as detailed in E1/A-504.
36. This contractor owns removal of exterior hollow metal doors and/or frames, in opens that are provided in this contract. If new opening is not complete the same day, temporary plywood openings will need to be installed to secure building.
37. **Maple-Wood trim – Addendum 2**
38. Furnish and install custom display cases complete as detailed on sheet A-405, including but not limited to all plywood, veneer plywood, wood trim, solid surface, ~~LED light fixture~~ and glass shelving, brackets, glass display door systems, etc. for a complete installation. **Light Fixtures by electrical contractor. Addendum #2**
39. Install and remove (2) wood elevator guard rail with offset from wall, with removable rail section.
40. Install and remove temporary wood hand rail and stair rail for gym auditorium lobby ramp and stairs and auditorium lobby stair guard rail, approximated 125' guard rail and hand rail for (2) stairs.
41. Install and remove temporary wood guard and hand rail for new stair #4 at stairs, landing and top landing. Install and remove temporary foam tread and landing infills.
42. Install and remove temporary metal framed wall to deck with insulation and drywall both sides, wall finished and masking taped seams and painted, each wall to have an owner supplied, contractor installed door, frame and hardware installed in. **Temporary walls to be constructed to divide occupied areas from construction areas in corridors, installed and removed at each phase. See phasing plan. Phase 1 dividers are by others. Addendum #2**

43. **Install and remove temporary metal framed wall to deck with insulation and drywall one sides, wall finished and masking taped seams and painted installed column line 16, between cafeteria and server. Wall to be constructed and removed during off hours. *Addendum #2***
44. **This contractor shall provide a price to furnish and install alternate 7, Refurbish, refinish, and restripe gymnasium floor and alternate 10: Refurbish auditorium stage, apron and front, including wood infill. See A111.2, A111.3 and A-621 for additional details –*Addendum #2***
45. **Provide applied mullions as detailed in E6.1/A-6.02 - *Addendum #2***

ALLOWANCES

Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:

Allowance No. 1: Include the amount of \$15,000 for miscellaneous protection.

ALTERNATES

Insert the following alternate prices into the spaces provided on the bid form.

ALTERNATE No. 1: Replace pool pak

ALTERNATE No. 2: Replace Pool Lighting

ALTERNATE No. 3: Add telescoping bleachers at gymnasium.

ALTERNATE No. 4: NOT USED

ALTERNATE No. 5: Replace gymnasium lighting.

ALTERNATE No. 6: Replace gymnasium HVAC

ALTERNATE No. 7: Refurbish, refinish, and restripe gymnasium floor. Paint Gymnasium.

ALTERNATE No. 8: New backboards and wall pads at gymnasium.

ALTERNATE No. 9: Replace auditorium house lighting.

ALTERNATE No. 10: Refurbish auditorium stage.

ALTERNATE No. 11: Replace Auditorium Seating.

ALTERNATE No. 12: Curtain wall at Area D south facade.

ALTERNATE No. 13: HPL Screen Wall at Area D north facade.

ALTERNATE No. 14: Replace Pool Roof

ALTERNATE No. 15: Replace Gymnasium Roof

ALTERNATE No. 16: Replace Auditorium Roof

ALTERNATE No. 17: NOT USED

ALTERNATE No. 18: Replacing flush valves and wash sinks.

ALTERNATE No. 19: Bookshelves at Classrooms.

ALTERNATE No. 20: Tubular Skylights

ALTERNATE No. 21: Replace existing windows at Areas D, E, & F

ALTERNATE No. 22: New floors at group toilet rooms. Accent tile at walls.

ALTERNATE No. 23: New windows at Area E

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ALTERNATE No. 24: New windows at Area F

ALTERNATE No. 25: Data Infrastructure

UNIT PRICES

None.

SECTION 011200-07B – SPECIFIC SCOPE OF WORK – EXTERIOR PANELS

SPECIFIC SCOPE – EXTERIOR PANELS:

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

SPECIFICATION SECTIONS

Prepared by ABHA Architects, dated November 7, 2018:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

| Section | Description | Responsibility |
|--------------------|--|--------------------------------------|
| Division 00 | Procurement and Contracting Requirements | In Its Entirety |
| Division 01 | General Requirements | In Its Entirety |
| Division 02 | Existing Conditions | As Applicable |
| Division 05 | Metals | As Applicable |
| 05 75 00 | Decorative Formed Metal | As Applicable |
| Division 07 | Thermal and Moisture Protection | As Applicable |
| 07 42 13 | Metal Wall Panels | In Its Entirety |
| 07 42 33 | Phenolic Wall Panels | In Its Entirety |
| 07 62 00 | Sheet Metal Flashing and Trim | As Applicable |
| 07 92 00 | Joint Sealants | In Its Entirety |
| 07 95 13 | Expansion Joint Cover Assemblies | As Applicable |
| Division 10 | Specialties | As Applicable – Addendum #2 |
| 10 82 10 | Aluminum Equipment Screen | In Its Entirety – Addendum #2 |

NARRATIVE:

1. Include the cost of performance and payment bonds in the base bid.
2. Daily Cleanup of debris. If this contractor does not clean the site to the satisfaction of Whiting Turner, Whiting Turner reserves the right to clean the site with their own forces at the expense of this contractor. Site must be maintained and cleaned daily.
3. This contractor is responsible for all fall protection and safety requirements associated with this work. When working from either lifts and harnesses, or tie-offs provided by this Contractor, OSHA and Whiting-Turner standards must be met and followed at all times.

4. Furnish and install insulated metal panels typical as shown on A-434, including all required fasteners, clips, adhesives, sealants etc. as required for a complete system.
5. Furnish and install all HPL screen walls typical as shown on A-313 and A-614.
6. Aluminum cap at HPL screen walls as shown on A-313 shall be provided by this contractor.
7. Furnish and install HPL wall panels in the new vestibule as shown on A-316.
8. Furnish and install aluminum composite material at entrance typical as shown on A-614 and A-214.
9. Furnish and install all prefinished aluminum equipment screens as indicated on A311. Structural steel framing is by others.
10. Caulking integral to systems under this scope of work to be provided by this contractor. Caulking of wall panels to adjacent materials is by others.
11. Provide metal trim around windows and HPL panels, see examples in A3/A-611 and A4/A-611
12. Provide metal flashing as detailed on C4/A-421

ALLOWANCES

Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:

NONE

ALTERNATES

Provide all wall panel work, in accordance with above specific scope of work, as applicable, for the alternates listed below.

Insert the following alternate prices into the spaces provided on the bid form.

ALTERNATE No. 1: Replace pool pak

ALTERNATE No. 2: Replace Pool Lighting

ALTERNATE No. 3: Add telescoping bleachers at gymnasium.

ALTERNATE No. 4: NOT USED

ALTERNATE No. 5: Replace gymnasium lighting.

ALTERNATE No. 6: Replace gymnasium HVAC.

ALTERNATE No. 7: Refurbish, refinish, and restripe gymnasium floor. Paint gymnasium.

ALTERNATE No. 8: New backboards and wall pads at gymnasium.

ALTERNATE No. 9: Replace auditorium house lighting.

ALTERNATE No. 10: Refurbish auditorium stage.

ALTERNATE No. 11: Replace auditorium seating.

ALTERNATE No. 12: Curtain wall at Area D south facade.

ALTERNATE No. 13: HPL screen wall at Area D north facade.

ALTERNATE No. 14: Replace pool roof.

ALTERNATE No. 15: Replace gymnasium roof.

ALTERNATE No. 16: Replace auditorium roof.

ALTERNATE No. 17: NOT USED

ALTERNATE No. 18: Replacing flush valves and wash sinks.

ALTERNATE No. 19: Bookshelves at classrooms.

ALTERNATE No. 20: Tubular skylights.

ALTERNATE No. 21: Replace existing windows at Areas D, E, & F.

ALTERNATE No. 22: New floors at group toilet rooms. Accent tile at walls.

ALTERNATE No. 23: New windows at Area E.

ALTERNATE No. 24: New windows at Area F.

ALTERNATE No. 25: Data infrastructure.

UNIT PRICES

Provide the following unit prices. Whiting-Turner reserves the right to request lump sum or T&M pricing for extra work in lieu of applying unit prices.

None.

SECTION 011200-07D – SPECIFIC SCOPE OF WORK –CAULKING

SPECIFIC SCOPE – CAULKING:

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

SPECIFICATION SECTIONS

Prepared by ABHA Architects, dated November 7, 2018:
Volume 1: Divisions 00 – 01
Volume 2: Divisions 02 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

| Section | Description | Responsibility |
|-------------|-----------------------------------|-----------------|
| Division 00 | Bidding and Contract Requirements | In Its Entirety |
| Division 01 | General Requirements | In Its Entirety |
| 02 41 00 | Demolition | As Applicable |
| Division 04 | Masonry | As Applicable |
| 07 92 00 | Joint Sealants | In Its Entirety |
| Division 08 | Openings | As Applicable |
| Division 09 | Finishes | As Applicable |

NARRATIVE:

1. Include the cost of performance and payment bonds in the base bid.
2. Daily Cleanup of debris. If this contractor does not clean the site to the satisfaction of Whiting Turner, Whiting Turner reserves the right to clean the site with their own forces at the expense of this contractor. Site must be maintained and cleaned daily.
3. All trucks are required to clean their tires prior to leaving the project site.
4. This contractor is responsible for all fall protection and safety requirements associated with roof work. When working from either lifts and harnesses, or tie-offs provided by this Contractor, OSHA and Whiting-Turner standards must be met and followed at all times.
5. Furnish and install mock-up(s) as required by the Contract Documents. Mock-up(s) will not only be used to approve materials but to establish the quality for the entire project. Any area not conforming to the mock-up will be re-worked. In addition, the architect will inspect the first sections of completed work to develop a standard for the rest of the work. An exterior wall mock-up will be needed; review the Contract Documents for all other mock-ups required.

6. Furnish and install caulking or sealants at the following locations, both interior and exterior when applicable:
 - A. Door frames, exterior, to adjoining material.
 - B. New Elevator jambs
 - C. Interior door and window frames to adjoining material.
 - D. Overhead coiling doors, exterior, to adjoining material.
 - E. Plumbing fixtures to adjoining material.
 - F. Bathroom accessories to adjoining material (only if shown on drawings).
 - G. Windows/Aluminum to interior finish (drywall/masonry/etc.).
 - H. Interior/exterior masonry to masonry.
 - I. Drywall to masonry.
 - J. Drywall to Steel
 - K. Masonry to concrete
 - L. Metal panel (including corrugated metal panel) to masonry or adjoining material.
 - M. Wall construction joints, interior or exterior.
 - N. Louvers.
 - ~~O. Casework and trim to adjoining materials.~~ *Addendum #2*
 - P. Stone treads see A-313
 - Q. Head joints at cast stone cap, See examples E6/A-314 and A3/A-613
 - R. Lockers to solid surface enclosure, see typical detail on A-511
 - S. In general, all sealants between dissimilar materials unless noted below.
 - T. In general, all exterior sealants unless noted below.
 - U. In general, all interior sealants unless noted below.
7. The following sealants are furnished and installed by others:
 - A. Window to window.
 - B. Exterior Windows and storefront to masonry.
 - C. Aluminum to aluminum.
 - D. Internal to the roofing system.
 - E. Metal panel to metal panel.
 - F. Kitchen equipment.
 - G. Fire and acoustical sealants associated with the partitions.
 - H. Fire caulking at mechanical and electrical penetrations.
 - I. **Casework and trim to adjoining materials** *Addendum #2*
8. Provide warranty for this work as per the Contract Documents.
9. Furnish and install all backer rods or embeds associated with this work.
10. Submit shop drawings, instructions, certificates, and reports for all joint systems as specified.
11. Furnish and install all fill materials as necessary to complete the work herein. Materials include but are not limited to firestop devices, sealants, composite sheets, putties, wrap strips, mortars, pillows/bags, and silicone foams.
12. Rake out and remove sealant and backer rod of all existing exterior masonry control joints, provide new backer rod and sealant. See note B on Exterior Elevations

ALLOWANCES

Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:

1. **Allowance No. 1:** Include the amount of \$5,000 for miscellaneous caulking

ALTERNATES

Insert the following alternate prices into the spaces provided on the bid form.

- ALTERNATE No. 1:** Replace pool pak
- ALTERNATE No. 2:** Replace Pool Lighting
- ALTERNATE No. 3:** Add telescoping bleachers at gymnasium.
- ALTERNATE No. 4:** NOT USED
- ALTERNATE No. 5:** Replace gymnasium lighting.
- ALTERNATE No. 6:** Replace gymnasium HVAC
- ALTERNATE No. 7:** Refurbish, refinish, and restripe gymnasium floor. Paint Gymnasium.
- ALTERNATE No. 8:** New backboards and wall pads at gymnasium.
- ALTERNATE No. 9:** Replace auditorium house lighting.
- ALTERNATE No. 10:** Refurbish auditorium stage.
- ALTERNATE No. 11:** Replace Auditorium Seating.
- ALTERNATE No. 12:** Curtain wall at Area D south facade.
- ALTERNATE No. 13:** HPL Screen Wall at Area D north facade.
- ALTERNATE No. 14:** Replace Pool Roof
- ALTERNATE No. 15:** Replace Gymnasium Roof
- ALTERNATE No. 16:** Replace Auditorium Roof
- ALTERNATE No. 17:** NOT USED
- ALTERNATE No. 18:** Replacing flush valves and wash sinks.
- ALTERNATE No. 19:** Bookshelves at Classrooms.
- ALTERNATE No. 20:** Tubular Skylights
- ALTERNATE No. 21:** Replace existing windows at Areas D, E, & F
- ALTERNATE No. 22:** New floors at group toilet rooms. Accent tile at walls.
- ALTERNATE No. 23:** New windows at Area E
- ALTERNATE No. 24:** New windows at Area F
- ALTERNATE No. 25:** Data Infrastructure

UNIT PRICES

None.

SECTION 011200-09A – SPECIFIC SCOPE OF WORK – DRYWALL

SPECIFIC SCOPE – DRYWALL:

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

SPECIFICATION SECTIONS

Prepared by ABHA Architects, dated November 7, 2018:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

| Section | Description | Responsibility |
|-------------|--|------------------------------------|
| Division 00 | Procurement and Contracting Requirements | In Its Entirety |
| Division 01 | General Requirements | In Its Entirety |
| Division 02 | Existing Conditions | As Applicable |
| Division 05 | Metals | As Applicable |
| 05 40 00 | Cold-Formed Metal Framing | In Its Entirety |
| 05 50 00 | Metal Fabrications | As Applicable |
| Division 06 | Wood, Plastics, and Composites | As Applicable |
| 06 10 00 | Rough Carpentry | In Its Entirety |
| 06 20 00 | Finish Carpentry | As Applicable |
| Division 07 | Thermal and Moisture Protection | As Applicable |
| 07 21 00 | Thermal Insulation | In Its Entirety |
| 07 25 00 | Weather Barriers | As Applicable |
| 07 81 00 | Applied Fireproofing | As Applicable |
| 07 84 00 | Firestopping | In Its Entirety |
| 07 92 00 | Joint Sealants | In Its Entirety |
| 07 95 13 | Expansion Joint Cover Assemblies | As Applicable |
| Division 08 | Openings | As Applicable |
| 08 11 13 | Hollow Metal Doors and Frames | As Applicable – Addendum #2 |
| 08 14 16 | Flush Wood Doors | As Applicable – Addendum #2 |
| 08 17 00 | Integrated Door Opening Assembly | As Applicable |
| 08 70 00 | Door Hardware Schedule | As Applicable – Addendum #2 |

| | | |
|-------------|---------------------------|------------------------------------|
| 08 71 00 | Door Hardware | As Applicable – Addendum #2 |
| Division 09 | Finishes | As Applicable |
| 09 21 16 | Gypsum Board Assemblies | In Its Entirety |
| 09 52 00 | Specialty Ceiling Systems | As Applicable |
| 09 81 00 | Acoustical Insulation | In Its Entirety |
| 09 84 00 | Acoustic Room Components | As Applicable |

NARRATIVE:

1. Include the cost of performance and payment bonds in the base bid.
2. Daily Cleanup of debris. If this contractor does not clean the site to the satisfaction of Whiting Turner, Whiting Turner reserves the right to clean the site with their own forces at the expense of this contractor. Site must be maintained and cleaned daily.
3. This contractor is responsible for all fall protection and safety requirements associated with this work. When working from either lifts and harnesses, or tie-offs provided by this Contractor, OSHA and Whiting-Turner standards must be met and followed at all times.
4. A temporary power source will be provided, but it will be the responsibility of this contractor to have a backup power source in case the temporary service goes out. Temporary power will consist of 110V service. If a larger service is required to perform any work in the scope described herein, it will be the responsibility of this contractor.
5. Provide stud post and box headers typ. as shown on S-104.
6. Furnish and install fire treated/pressure treated plywood sheathing at cafeteria vestibule as indicated on sheet A-421.
7. Furnish and install air vapor barrier, examples detailed on A-421, A-612 and A-502
8. This contractor is required to review all drawings including Structural, Architectural, Mechanical, Electrical, Plumbing, Fire Protection, Equipment and Telecommunications prior to mobilization to site to identify all items that need to be embedded-in, penetrate, or generally coordinated with this package.
9. This contract will be responsible for all exterior stud walls, interior metal stud walls and ceilings, soffits, bulkheads, sheathing, drywall, gypsum board, vapor barriers, batt insulation and sound batt material.
10. Provide all soffit framing and bracing as indicated.
11. Furnish and install all shaft wall assemblies as indicated.
12. Provide all stud wall infills as indicated. Construction of infills shall match the details as shown for that wall type.
13. EIFS at entrance soffits shall be provided by this contractor.
14. Provide soundproofing and fireproofing as detailed. Provide materials as required to meet all ratings as listed.
15. Include knee walls at all vision panels. Match existing wall types unless otherwise noted (ref. A-601).
16. Perimeter type 10 walls to be framed prior to spray insulation. Furnish and install all light gage metal lintels, angles, or clips. Materials installed in areas to receive spray foam shall be installed prior to foam application. This contractor shall account for multiple mobilizations to coordinate this work.
17. This contractor is responsible to provide a dedicated layout crew (either in-house or independent) to perform layout of all walls, all doors, and window openings in walls. This crew must be onsite at the request of the construction manager when areas become available for layout. Layout work will consist of marking lines on the floor with permanent marker and applying a sealer over the markings to keep them from fading.

18. Door frames and windows are to be installed by others. Upon completion of these installations, this contractor is required to verify that the wall framing is plumb and true. This includes verifying that door frames and window frames are plumb and true.
19. This contractor is required to furnish and install all metal framing (interior and exterior); including but not limited to all diagonal bracing, straps, kickbacks, etc. required for the framing system.
20. This contractor will be responsible for coordinating kickback locations with the M/E/P/FP trades. In cases where kickbacks, additional wall support, etc. are in conflict with M/E/P/FP piping, equipment, ductwork etc., it is the responsibility of this contractor to relocate framing to avoid conflict.
21. Furnish and install all gypsum board and other sheathing on the building, including but not limited to all drywall, cement board, etc. Tape or seal joints as required by the specifications and drawing details.
22. This contractor shall furnish and install all required sealants, both fire rated and acoustical as required at tops, bottoms and sides of walls. This contractor is responsible to provide all fire safing/fire rating per the UL designations as detailed on the partition types drawings.
23. Furnish and install all metal stud framing and gypsum wall board located on top of CMU walls.
24. This contractor shall furnish, install and coordinate all in-wall blocking, kitchen metal and wood for all materials attaching to this contractor's work including but not limited to casework, bathroom partitions, bathroom/washroom accessories, mechanical/plumbing and/or electrical equipment, window treatments, door hardware, televisions etc. All wall cabinets, grab bars, toilet partitions blocking must be fire treated wood. Provide blocking in existing gypsum walls.
25. Exterior window and roof blocking is provided by others.
26. Exposed fire rated plywood used as equipment backing panels is by others.
27. This contractor is responsible to verify that substrates installed under this contract requiring finishes other than paint are with the allowable tolerances for the installation of those finishes.
28. Access doors and panels for access to mechanical, electrical, plumbing and fire protection equipment, valves, etc. are furnished by others for installation by the drywall contractor. Framing for these access doors and panels is by this contractor. It is the responsibility of this contractor to coordinate the size and layout for all access doors and panels with the M/E/P&FP trades. See section 01 31 10, 1.06, F for additional information.
29. Furnish and install all expansion and control joints in wall and gypsum wall board ceiling construction integral to this work.
30. This contractor is responsible to clear all expansion gaps of material and debris prior to close-up. WT must be given at least 24-hour notice in order to perform the proper inspections.
31. All interior metal stud framing is to be fastened top and bottom to the track, both sides. Walls are not to be closed up until this has been inspected (unless the wall is detailed as a slip-track connection).
32. Provide all light gage metal furring, framing, grids, straps, studs, resilient channels, box beams and accessories.
33. Provide gypsum wallboard ceilings as indicated on the contract documents.
34. This contractor is responsible, at all drywall column enclosures, to coordinate the size of the enclosure with M/E/P/FP drawings to allow for additional space required for chases.
35. This contractor shall verify that air and surface temperature, moisture, and humidity conditions are suitable for installation of this work.
36. Provide finishing of all GWB assemblies to levels as indicated in the contract documents.
37. This contractor is responsible to provide angles, filler, caulking and fire safing where partitions abut adjacent construction.
38. This contractor shall provide supplemental lighting for gypsum board finishing if required.
39. Metal corner bead is to be mechanically fastened by screws at all locations.
40. Coordinate with the Painting contractor to patch and prep for finishes as follows:
 - A. Drywall subcontractor will complete final sanding of drywall.

- B. Painter to apply prime coat (spray and backroll is acceptable).
 - C. Whiting-Turner, Drywall and Painting Contractors to walk the entire area and review drywall quality. Imperfections will be identified and marked in the field.
 - D. Drywall contractor will repair all marked imperfections.
 - E. Painter will proceed with application of 1st coat.
 - F. Items C and D will be repeated, correcting any remaining imperfections.
 - G. Balance of work will be completed i.e. millwork, flooring, hardware, etc.
 - H. Painter will complete final coat by means of rolling/brushing.
41. This contractor shall participate in a sign-off procedure, as established by Whiting-Turner, on a room by room basis after priming and point up, prior to the room being released to receive final coats of paint.
42. Include in your price the cost to perform normal punch-list point-ups at the end of the project prior to move in. This is in addition to point-ups performed in items A-H above.
43. ~~Provide framing and decking of media room platforms. Addendum #2~~
44. Provide code compliance above ceilings identification markings of fire rated gypsum and CMU walls.
45. Provide metal bench framing and fire treated plywood as detailed on A6/A-508
46. Provide drainage material for type 10 walls and as indicated at spray foam locations.

ALLOWANCES

Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:

None.

ALTERNATES

Provide all studs and drywall work, in accordance with above specific scope of work, as applicable, for the alternates listed below.

Insert the following alternate prices into the spaces provided on the bid form.

ALTERNATE No. 1: Replace pool pak

ALTERNATE No. 2: Replace Pool Lighting

ALTERNATE No. 3: Add telescoping bleachers at gymnasium.

ALTERNATE No. 4: NOT USED

ALTERNATE No. 5: Replace gymnasium lighting.

ALTERNATE No. 6: Replace gymnasium HVAC.

ALTERNATE No. 7: Refurbish, refinish, and restripe gymnasium floor. Paint gymnasium.

ALTERNATE No. 8: New backboards and wall pads at gymnasium.

ALTERNATE No. 9: Replace auditorium house lighting.

ALTERNATE No. 10: Refurbish auditorium stage.

ALTERNATE No. 11: Replace auditorium seating.

ALTERNATE No. 12: Curtain wall at Area D south facade.

ALTERNATE No. 13: HPL screen wall at Area D north facade.

- ALTERNATE No. 14:** Replace pool roof.
- ALTERNATE No. 15:** Replace gymnasium roof.
- ALTERNATE No. 16:** Replace auditorium roof.
- ALTERNATE No. 17:** NOT USED
- ALTERNATE No. 18:** Replacing flush valves and wash sinks.
- ALTERNATE No. 19:** Bookshelves at classrooms.
- ALTERNATE No. 20:** Tubular skylights.
- ALTERNATE No. 21:** Replace existing windows at Areas D, E, & F.
- ALTERNATE No. 22:** New floors at group toilet rooms. Accent tile at walls.
- ALTERNATE No. 23:** New windows at Area E.
- ALTERNATE No. 24:** New windows at Area F.
- ALTERNATE No. 25:** Data infrastructure.

UNIT PRICES

Provide the following unit prices. Whiting-Turner reserves the right to request lump sum or T&M pricing for extra work in lieu of applying unit prices.

None.

SECTION 011200-09B – SPECIFIC SCOPE OF WORK – FLOORING

SPECIFIC SCOPE – FLOORING:

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

SPECIFICATION SECTIONS

Prepared by ABHA Architects, dated November 7, 2018:
 Volume 1: Divisions 00 – 01
 Volume 2: Divisions 02 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

| Section | Description | Responsibility |
|----------------|--|-----------------------|
| Division 00 | Bidding and Contract Requirements | In Its Entirety |
| Division 01 | General Requirements | In Its Entirety |
| 06 20 00 | Finish Carpentry | As Applicable |
| 07 92 00 | Joint Sealant | As Applicable |
| 09 05 61 | Common Work Results for Flooring Preparation | In Its Entirety |
| 09 30 00 | Tiling | In Its Entirety |
| 09 65 00 | Resilient Flooring | In Its Entirety |
| 09 66 16 | Precast Cement Terrazzo Treads and Landings | In Its Entirety |
| 09 68 13 | Tile Carpeting | In Its Entirety |
| 09 68 16 | Sheet Carpeting | In Its Entirety |
| 09 93 00 | Refinishing Wood Flooring | In Its Entirety |
| | | |

NARRATIVE:

1. Include the cost of performance and payment bonds in the base bid.
2. Daily Cleanup of debris. If this contractor does not clean the site to the satisfaction of Whiting Turner, Whiting Turner reserves the right to clean the site with their own forces at the expense of this contractor. Site must be maintained and cleaned daily.
3. All trucks are required to clean their tires prior to leaving the project site.
4. Work hours are 7:00 am to 3:30 pm. All contractors are required to be onsite minimum 5 days per week, 8 hours per day. If worker must report to the company’s shop or other location prior to being

- onsite, arrangements must be made to allow the worker to arrive at the jobsite at 7:00 am and work a full 8 hour shift. Include this cost in the bid.
5. A temporary power source will be provided, but it will be the responsibility of this contractor to have a backup power source in case the temporary service goes out. Temporary power will consist of 110V service. If a larger service is required to perform any work in the scope described herein, it will be the responsibility of this contractor.
 6. This project is multi-phased and will require multiple mobilizations.
 7. This contractor is required to review all drawings including Structural, Architectural, Mechanical, Electrical, Plumbing, Fire Protection, Equipment and Telecommunications prior to mobilization to site to identify all items that need to be embedded-in, penetrate, or generally coordinated with this package.
 8. Temporary lighting will be provided by other. It is the responsibility of this contractor to provide supplemental lighting for this trades work as necessary.
 9. This contractor is responsible to provide supplemental heating, if required, to properly install this scope of work.
 10. Furnish and install all flooring, base, and accessories including but not limited to Porcelain Floor tile, Textile Composite Tile, Quarry Tile, Rubber tile flooring, Carpet tile, Broadloom Carpet, Vinyl Composite Tile (VCT), Ceramic Wall Tile Glass Mosaic Wall Tile, Porcelain Cove Base, Stainless steel cove trim, Resilient Cove Base, Quarry Cove Base, Grout, Adhesives, Thresholds, Rubber Stair Treads, Walk off carpet tile, marble thresholds, and accessories, etc. **Provide solid surface thresholds as detailed in E3/A508 Addendum #2**
 11. Provide all preparation work for all flooring in accordance with the manufacturer's recommendations. Provide testing, inspection, reporting and actions as detailed in section 09 05 61 Part 3.
 12. For flooring to be installed over terrazzo, include preparing/abrading/priming and or sealing making ready for flooring. All preparation work shall comply with the adhesive, cementitious underlayment or floor covering manufacturers.
 13. In areas of asbestos tile abatement, abatement contractor will remove tile only, adhesive to remain. Remaining adhesives residues must be removed, prior to any new flooring installation. It is the flooring contractors responsibly to remove this adhesive directly after abatement. Assume this work will require a separate mobilization above and beyond flooring installation in each phase. Removal must comply with LEED VOC limits and OSHA silica standard.
 14. This contractor shall provide flash patching of the concrete slabs and decks in areas to receive resilient flooring.
 15. This contractor shall furnish and install all resilient tile and sheet flooring, base, stair treads and accessories.
 16. This contractor shall furnish and install all rubber/vinyl base on the exposed sides and toe kicks of all casework.
 17. Provide all required transitions and miscellaneous trim pieces as required.
 18. Scrape, broom and vacuum substrate to be covered by flooring immediately before installation.
 19. This contractor shall clean all cracks and sawcut control joints.
 20. Include in base bid flash patching/skim coating of 100% of the total flooring area include additional patching of 1/8" at all plumbing slab on grade saw cut areas.
 21. Provide to provide smooth transitions at terrazzo. See detail A2/I-002
 22. Tile contractor to include prep of existing walls to receive new ceramic/porcelain wall tile/wainscot
 23. This contractor shall provide minor floor cleaning at the completion of the flooring installation as required in the specification sections. Others will accomplish final/occupancy cleaning.
 24. Provide all required and manufacturer approved adhesives and setting bed materials.
 25. Provide all required expansion joints and thresholds, sealants, control joins, etc. as required to provide a complete finished product.
 26. Furnish and deliver all required attic stock as per the specification requirements.

27. Provide all caulking and sealants as required, including but not limited to control joints and expansion joints. Furnish and install any expansion joints in the flooring products.
28. Coordinate with the Mechanical/Plumbing and Electrical Contractors to insure a neat and flush interface with devices installed in this work.
29. Prepare a mock –up of flooring per the specification requirements, including standard pattern to be approved by the Owner prior to commencement of work. Mock-up shall represent the standard of workmanship for the tile work and shall remain in place unless the Owner/Architect rejects the mock-up based on workmanship, in which case removal of the mock-up is included in this scope of work.
30. Verify that all air and surface temperature, moisture and humidity conditions are suitable for the installation of this work.
31. This contractor shall conduct moisture and/or bond tests on substrate surfaces. Notify WT of any problems/issues 2 weeks prior to installation.
32. This contractor is responsible for hauling of all materials to the jobsite and work area. WT will not provide any laborers or assistance.
33. Temporary water will be provided by others, but the location may not be near your work area.
34. The beginning of this Contractor’s work constitutes acceptance of the floor surface. Notify WT of any problems two weeks prior to starting work.
35. All VCT, seamless flooring, and base seams must be inconspicuous, tight, flat, unpuckered edges, and free of excess adhesive.
36. Provide caulking to match at all flooring to doorframes as required.
37. ~~This contractor shall provide a price to furnish and install alternate 7, Refurbish, refinish, and restripe gymnasium floor and alternate 10: Refurbish auditorium stage, including wood infill. Addendum #2~~
38. Provide precast terrazzo treads and landings. Note both set of stairs adjacent to ramp in gym lobby to receive terrazzo treads, see I drawings for all locations. Cast in place epoxy resin terrazzo by others
39. For Alternate #22 - Group toilet room floors, existing resinous floor is not going to be demoed, include the cost of preparing substrate to receive tile.
40. **Flooring in room C102 is by others Addendum #2**
41. **Prepare resilient flooring substrate per profile listed in addendum #1. Addendum #2**
42. **Provide moisture mitigation and self leveling treatment at all areas receiving resilient flooring, as detailed in specification 09 05 61 and 09 65 00 and as amended in Addendum #1. Addendum #2**
43. **Provide mud bed and patching of tile in restroom C128 as result of sanitary saw cutting. Addendum #2**

ALLOWANCES

Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:

1. None.

ALTERNATES

Insert the following alternate prices into the spaces provided on the bid form.

ALTERNATE No. 1: Replace pool pak

ALTERNATE No. 2: Replace Pool Lighting

ALTERNATE No. 3: Add telescoping bleachers at gymnasium.

ALTERNATE No. 4: NOT USED

SPECIFIC SCOPE OF WORK – 09B FLOORING

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- ALTERNATE No. 5:** Replace gymnasium lighting.
- ALTERNATE No. 6:** Replace gymnasium HVAC
- ALTERNATE No. 7:** Refurbish, refinish, and restripe gymnasium floor. Paint Gymnasium.
- ALTERNATE No. 8:** New backboards and wall pads at gymnasium.
- ALTERNATE No. 9:** Replace auditorium house lighting.
- ALTERNATE No. 10:** Refurbish auditorium stage.
- ALTERNATE No. 11:** Replace Auditorium Seating.
- ALTERNATE No. 12:** Curtain wall at Area D south facade.
- ALTERNATE No. 13:** HPL Screen Wall at Area D north facade.
- ALTERNATE No. 14:** Replace Pool Roof
- ALTERNATE No. 15:** Replace Gymnasium Roof
- ALTERNATE No. 16:** Replace Auditorium Roof
- ALTERNATE No. 17:** NOT USED
- ALTERNATE No. 18:** Replacing flush valves and wash sinks.
- ALTERNATE No. 19:** Bookshelves at Classrooms.
- ALTERNATE No. 20:** Tubular Skylights
- ALTERNATE No. 21:** Replace existing windows at Areas D, E, & F
- ALTERNATE No. 22:** New floors at group toilet rooms. Accent tile at walls.
- ALTERNATE No. 23:** New windows at Area E
- ALTERNATE No. 24:** New windows at Area F
- ALTERNATE No. 25:** Data Infrastructure

UNIT PRICES

None.

SECTION 011200-09D – SPECIFIC SCOPE OF WORK – PAINT

SPECIFIC SCOPE – PAINT:

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

SPECIFICATION SECTIONS

Prepared by ABHA Architects, dated November 7, 2018:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

| Section | Description | Responsibility |
|----------------|--|-----------------------|
| Division 00 | Procurement and Contracting Requirements | In Its Entirety |
| Division 01 | General Requirements | In Its Entirety |
| Division 02 | Existing Conditions | As Applicable |
| Division 03 | Concrete | As Applicable |
| Division 04 | Masonry | As Applicable |
| Division 05 | Metals | As Applicable |
| Division 06 | Wood, Plastics, and Composites | As Applicable |
| Division 07 | Thermal and Moisture Protection | As Applicable |
| 07 92 00 | Joint Sealants | As Applicable |
| Division 08 | Openings | As Applicable |
| Division 09 | Finishes | As Applicable |
| 09 72 00 | Wall Coverings | In Its Entirety |
| 09 91 13 | Exterior Painting | In Its Entirety |
| 09 91 23 | Interior Painting | In Its Entirety |
| 09 93 00 | Refinishing Wood Flooring | As Applicable |
| Division 22 | Plumbing | As Applicable |

NARRATIVE:

1. Include the cost of performance and payment bonds in the base bid.
2. Daily Cleanup of debris. If this contractor does not clean the site to the satisfaction of Whiting Turner, Whiting Turner reserves the right to clean the site with their own forces at the expense of this contractor. Site must be maintained and cleaned daily.
3. This contractor is responsible for all fall protection and safety requirements associated with this work. When working from either lifts and harnesses, or tie-offs provided by this Contractor, OSHA and Whiting-Turner standards must be met and followed at all times.
4. A temporary power source will be provided, but it will be the responsibility of this contractor to have a backup power source in case the temporary service goes out. Temporary power will consist of 110V service. If a larger service is required to perform any work in the scope described herein, it will be the responsibility of this contractor.
5. This contractor is required to review all drawings including Structural, Architectural, Mechanical, Electrical, Plumbing, Fire Protection, Equipment and Telecommunications prior to mobilization.
6. Temporary lighting will be provided by other. It is the responsibility of this contractor to provide supplemental lighting for surface preparation and painting as required to accomplish the work described herein.
7. This contractor shall protect all surfaces from overspray. This includes finished and non-finished surfaces including steel and concrete. Include in your price the masking of finished products that may be installed prior to your painting.
8. This contractor shall promptly clean/remove any overspray from adjacent factory finished materials or glass. Cover ALL glass prior to painting.
9. Furnish and install all painting including but not limited to, at a minimum, one prime coat, priming of all GWB point up and patching, and two final coats at the specified thickness. If sprayed, all (3) coats must be back rolled.
10. Furnish and install all paint/special paint/block filler/epoxy paint coatings and accessory materials where indicated. Review wall sections and elevations for the extent of the work.
11. Provide the painting of all interior and exterior surfaces required by the contract drawings and specifications as shown including but not limited to all concrete, masonry, gypsum wallboard, plaster, wood and metal surfaces, hollow metal doors and frames, reveals, access panels, stairs, exterior materials not prefinished, wood window trim, exposed steel, sprinkler pipe, exposed metal deck, handrails, exterior lintels, bollards, exposed exterior gas piping, and any exposed incoming utilities and piping as required.
12. Clean and prep brick prior to painting.
13. Clean, prime and paint existing steel lintels typical as noted on A1/A-312, A-602 and A-603.
14. Painting of exposed deck where indicated. Include the cost of prep, including but not limited to : scraping, cleaning, sanding etc. as required to prepare decking to receive paint.
15. Painting of existing bar joists and deck in cafeteria and learning commons.
16. Paint all exposed structure unless noted otherwise.
17. Prep and painting of exposed structure at existing canopy as noted on sheet A-312.
18. Prime and paint the underside of exposed metal stairs. Include all required prep work, including but not limited to scraping, sanding, cleaning, etc. as required to receive paint.
19. Prep and paint existing plaster soffits.
20. Include in base bid the cost for painting interior and exterior of existing window frames as noted on A-310. A deduct alternate shall be provided if window replacement alternate is accepted (ref. Alternates below).
21. Where minimal work is taking place, this contractor shall paint all newly installed conduit.
22. Painting of new exposed roof gas pipe is by this contractor.

23. This contractor shall provide painting of all exposed mechanical and electrical items in mechanical rooms and occupied spaces including but not limited to uninsulated metal piping, uninsulated plastic piping, pipe hangers and supports, tanks that do not have a factory applied finish, duct, conduit, paintable insulation, etc.
24. Fire rating, UL, and any other pipe or equipment labels shall not be painted over.
25. This contractor shall include painting of any exterior or rooftop piping, steel, or mechanical devices noted to be painted.
26. This contractor shall cover and protect all sprinkler heads prior to painting ceilings and sprinkler piping. Removal of protection shall be included in this Contractor's work.
27. Provide painting preparation of all surfaces as required by the paint manufacturer and specification, including but not limited to all items listed in this scope of work.
28. Provide minor prep work to hollow metal and wood trim and gypsum walls prior to installation including but not limited to sanding, scraping, puttying minor dents, minor cleaning and/or dusting, etc. Filling and sanding of nail holes in wood window trim is by others.
29. This contractor shall perform exterior painting of wood, masonry and metal items to receive paint.
30. This contractor shall furnish and install painting of all roof access ladders, elevator pit ladders or other miscellaneous metals items.
31. This contractor shall furnish and install all concrete floor sealers and required primer at all locations noted in the finish schedule.
32. Furnish and install all high performance coatings on concrete, masonry, gypsum wallboard, and steel as noted on the contract drawings. Intumescent paint applied to spray foam is by others.
33. This contractor shall include cost to paint any galvanized steel that is specified to receive paint. Perform all necessary preparation and utilize the correct products to ensure proper paint adhesion.
34. Provide attic stock at a minimum of one labeled and unopened one-gallon container of each paint color, type, and texture used on the project for turnover to the owner at project completion. Provide additional quantities if required by the specifications.
35. The beginning of this contractor's installation constitutes acceptance of the surface as acceptable to receive paint/finish. Notify WT of any problems two (2) weeks prior to starting work.
36. Verify that all air and surface temperatures, moisture and humidity conditions are suitable for the installation of this work.
37. This contractor shall cover all floor surfaces while painting. This includes finished and unfinished floors. Flooring materials need to bond to bare concrete for their warranty to be accepted. This contractor will be responsible to remove any overspray from floors.
38. Coordinate with the Drywall contractor to patch and prep for finishes as follows:
 - A. Drywall subcontractor will complete final sanding of drywall.
 - B. Painter to apply prime coat (spray and backroll is acceptable).
 - C. Whiting-Turner, Drywall and Painting Contractors to walk the entire area and review drywall quality. Imperfections will be identified and marked in the field.
 - D. Drywall contractor will repair all marked imperfections.
 - E. Painter will proceed with application of 1st coat.
 - F. Items C and D will be repeated, correcting any remaining imperfections.
 - G. Balance of work will be completed i.e. millwork, flooring, hardware, etc.
 - H. Painter will complete final coat by means of rolling/brushing.
39. This contractor shall participate in a sign-off procedure, as established by Whiting-Turner, on a room by room basis after priming and point up, prior to the room being released to receive final coats of paint.
40. Include in your price the cost to perform normal punch-list touch-ups at the end of the project prior to move in. This shall be in addition to touch-ups performed per items A-H above.
41. Provide painting and protection of existing finish in auditorium.

SPECIFIC SCOPE OF WORK – 09D PAINT

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42. Provide all vinyl wall covering typical of A-412, I-001 and I-002. Rigid sheet vinyl by others.
43. Clean and paint exterior soffits, typical of A-312.
44. Painting in room C102 is by other except for the new block chase wall. Addendum #2

ALLOWANCES

Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:

Allowance No. 1: Contractor shall provide an allowance of \$7,500.00 (seven thousand five hundred dollars) for unspecified miscellaneous point-up and patching work not specified on the Contract Documents. This is not to be used for your punchlist.

ALTERNATES

Provide all painting work, in accordance with above specific scope of work, as applicable, for the alternates listed below.

Insert the following alternate prices into the spaces provided on the bid form.

ALTERNATE No. 1: Replace pool pak

ALTERNATE No. 2: Replace Pool Lighting

ALTERNATE No. 3: Add telescoping bleachers at gymnasium.

ALTERNATE No. 4: NOT USED

ALTERNATE No. 5: Replace gymnasium lighting.

ALTERNATE No. 6: Replace gymnasium HVAC.

ALTERNATE No. 7: Refurbish, refinish, and restripe gymnasium floor. Paint gymnasium.

ALTERNATE No. 8: New backboards and wall pads at gymnasium.

ALTERNATE No. 9: Replace auditorium house lighting.

ALTERNATE No. 10: Refurbish auditorium stage.

ALTERNATE No. 11: Replace auditorium seating.

ALTERNATE No. 12: Curtain wall at Area D south facade.

ALTERNATE No. 13: HPL screen wall at Area D north facade.

ALTERNATE No. 14: Replace pool roof.

ALTERNATE No. 15: Replace gymnasium roof.

ALTERNATE No. 16: Replace auditorium roof.

ALTERNATE No. 17: NOT USED

ALTERNATE No. 18: Replacing flush valves and wash sinks.

ALTERNATE No. 19: Bookshelves at classrooms.

ALTERNATE No. 20: Tubular skylights.

ALTERNATE No. 21: Replace existing windows at Areas D, E, & F.

ALTERNATE No. 22: New floors at group toilet rooms. Accent tile at walls.

ALTERNATE No. 23: New windows at Area E.

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ALTERNATE No. 24: New windows at Area F.

ALTERNATE No. 25: Data infrastructure.

UNIT PRICES

Provide the following unit prices. Whiting-Turner reserves the right to request lump sum or T&M pricing for extra work in lieu of applying unit prices.

None.

SECTION 011200-10A – SPECIFIC SCOPE OF WORK – SPECIALTIES

SPECIFIC SCOPE – SPECIALTIES:

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

SPECIFICATION SECTIONS

Prepared by ABHA Architects, dated November 7, 2018:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

| Section | Description | Responsibility |
|--------------------|--|--|
| Division 00 | Procurement and Contracting Requirements | In Its Entirety |
| Division 01 | General Requirements | In Its Entirety |
| Division 02 | Existing Conditions | As Applicable |
| Division 06 | Woods, Plastics, and Composites | As Applicable |
| Division 07 | Thermal and Moisture Protection | As Applicable |
| 07 92 00 | Joint Sealants | In Its Entirety |
| Division 08 | Openings | As Applicable |
| 08 36 13 | Sectional Doors | In Its Entirety |
| Division 09 | Finishes | As Applicable |
| Division 10 | Specialties | In Its Entirety, Excluding 10 82 00 – Addendum #2 |
| 10 82 10 | Aluminum Equipment Screen | By Others – Addendum #2 |
| 11 52 13 | Projection Screens | In Its Entirety – Addendum #2 |

NARRATIVE:

1. Include the cost of performance and payment bonds in the base bid.
2. Daily Cleanup of debris. If this contractor does not clean the site to the satisfaction of Whiting Turner, Whiting Turner reserves the right to clean the site with their own forces at the expense of this contractor. Site must be maintained and cleaned daily.

3. This contractor is responsible for all fall protection and safety requirements associated with this work. When working from either lifts and harnesses, or tie-offs provided by this Contractor, OSHA and Whiting-Turner standards must be met and followed at all times.
4. A temporary power source will be provided, but it will be the responsibility of this contractor to have a backup power source in case the temporary service goes out. Temporary power will consist of 110V service. If a larger service is required to perform any work in the scope described herein, it will be the responsibility of this contractor.
5. This contractor is required to review all drawings including Structural, Architectural, Mechanical, Electrical, Plumbing, Fire Protection, Equipment and Telecommunications prior to mobilization to site to identify all items that need to be embedded-in, penetrate, or generally coordinated with this package.
6. Temporary lighting will be provided by others. It is the responsibility of this contractor to provide supplemental lighting for surface preparation and painting as required to accomplish the work described herein.
7. Furnish and install all toilet and bath accessories, including by not limited to mirrors, paper towel dispensers, toilet tissue dispenser, waster receptacles, grab bars, janitor accessories, sanitary napkin dispensers, shower curtain/rods with the exception of owner furnished items as noted below.
8. Install only toilet accessories supplied by the owner (10 28 00).
9. Install only toilet accessories at kitchen supplied by the owner (11 40 00)
10. Furnish all necessary mounting hardware for a complete installation of toilet and bath accessories.
11. Furnish and install all toilet compartments, hardware and installation accessories. This contractor is responsible to coordinate layout and installation of materials to meet all ADA requirements for size, layout and accessory locations. Provide wall/floor stops to protect adjacent finishes as required.
12. This contractor shall furnish and install all visual display boards, including marker boards, tack boards, and visual display rails.
13. Furnish and install all interior building/room signage.
14. This contractor is responsible for field verification of all dimensions at all sign locations.
15. This contractor is responsible for all shop drawings, product data and engineering as required for fabrication and installation of all sign components.
16. Provide samples of each different sign type to be installed in the building as defined in the specifications.
17. This project is pursuing a LEED certification, sustainability design requirements must be followed.
18. Plywood or agrifiber product and associated laminating adhesive must not contain urea-formaldehyde resin.
19. This contractor shall furnish and install all operable partition systems complete, including but not limited to partition panels, tracks, hardware, motors, control wiring, buttons, sound seals, sweeps, etc. Power for electric operated partitions will be provided by the Electrical Contractor, but it is the responsibility of this contractor to coordinate all electric requirements with the electrical contractor.
20. Steel framing for operable partitions as detailed on the contract drawings is by others. However, this contractor is responsible to coordinate layout of the operable partition with the steel contractor. Any additional support steel required for a complete operable partition system, not shown on the contract drawings is the responsibility of this contractor.
21. Furnish and install all fire extinguisher cabinets, fire extinguishers and accessories. Recessed cabinets are to be coordinated with the Masonry and Partition contractors as necessary.
22. Furnish and install all automatic external defibrillator cabinets (recessed and/or surface mounted), automatic external defibrillators, and accessories. Recessed cabinets are to be coordinated with the Masonry and Partition contractors as necessary.
23. Furnish and install all preassembled lockers as indicated, including but not limited to metal lockers, hardware, accessories, identification labels, hooks, etc. This shall include lockers shown in the

kitchen. Blocking and/or strapping required for the installation of lockers is by others, however this contractor is responsible for coordination of all blocking/strapping with the Drywall Contractor prior to wall close-in.

24. Furnish and install the operable glass partition (E109A) as shown on A-111.5. Door type H on A-601.
25. Provide HDPE toilet partitions
26. Furnish and install all wall protection and corner guards, FRP, WV, CG and all WPM. See A-411 and A-508 for wood veneer. Provide termination Reglet and J molding as shown in A5 and A-508.
~~Backsplash wall protection integral to casework is by others.~~ **Provide WPM, including at casework sink locations as shown on A-402 – A-404. Addendum #2**
27. Provide alternate pricing for gym equipment Alt #3 and Alt #8. Include removal of back boards and pads for Alt #8.
28. **Provide projection screens and ceiling mounted projection mounts. See C1/A-512. Projectors by others. Addendum #2**

ALLOWANCES

Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:

ALTERNATES

Provide all specialties work, in accordance with above specific scope of work, as applicable, for the alternates listed below.

Insert the following alternate prices into the spaces provided on the bid form.

ALTERNATE No. 1: Replace pool pak

ALTERNATE No. 2: Replace Pool Lighting

ALTERNATE No. 3: Add telescoping bleachers at gymnasium.

ALTERNATE No. 4: NOT USED

ALTERNATE No. 5: Replace gymnasium lighting.

ALTERNATE No. 6: Replace gymnasium HVAC.

ALTERNATE No. 7: Refurbish, refinish, and restripe gymnasium floor. Paint gymnasium.

ALTERNATE No. 8: New backboards and wall pads at gymnasium.

ALTERNATE No. 9: Replace auditorium house lighting.

ALTERNATE No. 10: Refurbish auditorium stage.

ALTERNATE No. 11: Replace auditorium seating.

ALTERNATE No. 12: Curtain wall at Area D south facade.

ALTERNATE No. 13: HPL screen wall at Area D north facade.

ALTERNATE No. 14: Replace pool roof.

ALTERNATE No. 15: Replace gymnasium roof.

ALTERNATE No. 16: Replace auditorium roof.

ALTERNATE No. 17: NOT USED

ALTERNATE No. 18: Replacing flush valves and wash sinks.

ALTERNATE No. 19: Bookshelves at classrooms.

ALTERNATE No. 20: Tubular skylights.

ALTERNATE No. 21: Replace existing windows at Areas D, E, & F.

ALTERNATE No. 22: New floors at group toilet rooms. Accent tile at walls.

ALTERNATE No. 23: New windows at Area E.

ALTERNATE No. 24: New windows at Area F.

ALTERNATE No. 25: Data infrastructure.

UNIT PRICES

Provide the following unit prices. Whiting-Turner reserves the right to request lump sum or T&M pricing for extra work in lieu of applying unit prices.

SECTION 011200-12A – SPECIFIC SCOPE OF WORK – CASEWORK

SPECIFIC SCOPE – CASEWORK:

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

SPECIFICATION SECTIONS

Prepared by ABHA Architects, dated November 7, 2018:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

| Section | Description | Responsibility |
|-------------|--|--|
| Division 00 | Procurement and Contracting Requirements | In Its Entirety |
| Division 01 | General Requirements | In Its Entirety |
| Division 02 | Existing Conditions | As Applicable |
| Division 06 | Wood, Plastics, and Composites | As Applicable |
| 06 10 00 | Rough Carpentry | As Applicable |
| 06 20 00 | Finish Carpentry | In Its Entirety , As Applicable - Addendum #2 |
| Division 07 | Thermal and Moisture Protection | As Applicable |
| 07 92 00 | Joint Sealants | In Its Entirety |
| Division 10 | Specialties | As Applicable |
| 10 11 01 | Visual Display Boards | As Applicable |
| Division 12 | Furnishings | As Applicable |
| 12 34 00 | Laminate Clad Casework | In Its Entirety |
| 12 36 00 | Countertops, Backsplashes, and Window Stools | In Its Entirety |
| Division 23 | Plumbing | As Applicable |

NARRATIVE:

1. Include the cost of performance and payment bonds in the base bid.
2. Daily Cleanup of debris. If this contractor does not clean the site to the satisfaction of Whiting Turner, Whiting Turner reserves the right to clean the site with their own forces at the expense of this contractor. Site must be maintained and cleaned daily.
3. This contractor is responsible for all fall protection and safety requirements associated with this work. When working from either lifts and harnesses, or tie-offs provided by this Contractor, OSHA and Whiting-Turner standards must be met and followed at all times.
4. A temporary power source will be provided, but it will be the responsibility of this contractor to have a backup power source in case the temporary service goes out. Temporary power will consist of 110V service. If a larger service is required to perform any work in the scope described herein, it will be the responsibility of this contractor.
5. This contractor is required to review all drawings including Structural, Architectural, Mechanical, Electrical, Plumbing, Fire Protection, Equipment and Telecommunications prior to mobilization to site to identify all items that need to be embedded-in, penetrate, or generally coordinated with this package.
6. Temporary lighting will be provided by others. It is the responsibility of this contractor to provide supplemental lighting for this trades work as necessary.
7. This contractor is responsible for the supply and installation of all casework, tops and associated storage cabinets, shelves, cubbies, computer stations, window seats, etc. This is generally all casework in the classrooms, library, offices, break rooms, bathrooms, etc.
8. Include in the bid the cost to supply and install 6 mil poly with hardboard Masonite or corrugated plastic sheets over all horizontal surfaces and provide cardboard at all vertical surfaces to protect final installed materials and associated finishes. Securely fasten protection in place. Protection must be installed as soon as the work is complete in order to minimize damages. Removal of protection is by others.
9. Repair damage to walls and other finishes as result of installation or delivery.
10. This contractor shall verify that air and surface temperatures, moisture and humidity conditions are suitable for the installation of this work. This contract shall provide air and surface documentation, including relative humidity.
11. This project is pursuing a LEED certification, sustainability design requirements must be followed.
12. Plywood or agrifiber product and associated laminating adhesive must not contain urea-formaldehyde resin.
13. Furnish and install all plastic laminate faced wood cabinets, custom solid-surfacing-material counter tops, custom plastic laminate cabinets, custom plastic-laminate counter tops, custom solid-surfacing curtainwall and storefront sills, wall shelving, etc. including any hardware, fasteners, trim, closure pieces, filler panels, shims, and/or accessories for a complete installation.
14. Solid surface enclosures at lockers, wood **sub-base**, plywood and ledger board as shown on A-511.
Addendum #2
15. Furnish and install all blocking, etc. that is internal to the structure of all casework.
16. This contractor is responsible to coordinate all concealed in-wall blocking with the Drywall Contractor. Layout and location information must be provided by this contractor prior to close in.
17. All products supplied must meet the required certifications listed in the specifications. Drawings and specifications must be strictly adhered to for materials used, cabinet, drawer and countertop construction and installation.
18. This contractor shall install and sand wood filler or putty at all joints and nail holes. If finish other than field paint, the finish is the responsibility of this Contractor.
19. This contractor is responsible to prepare and prime any product scheduled to receive a paint finish; field painting is by others.

20. This contractor shall furnish and install all surface mounted blocking required to install the work described herein.
21. Provide and install filler panels as needed. Filler panels are to be neatly scribed to conform to the profile of the adjacent construction.
22. ~~Provide all wall protection at casework typical as shown on A-403.~~ **wall protection (WPM) at casework typical as shown on A-403 is by contract 10A. Addendum #2**
23. Furnish and install mail pass through as indicated and shown on A-404.
24. Provide solid surface engraved logo as shown on C5/A-515
25. Provide all Fry Reglet reveals within your own work.
26. This contractor is responsible to coordinate and provide cutouts in casework materials for work/equipment provided by other trades. (i.e. Plumbing, Electrical, Security Equipment, etc.).
27. This contractor shall provide all hardware associated with this work.
28. This contractor is responsible to verify wall dimensions and/or provide hold to dimensions to the Drywall Contractor. Shop drawings and casework fabrication may need to precede wall construction.
29. Furnish and install all grommets required.
30. Furnish and install all locks and keys, as indicated by the contract documents.
31. Furnish and install all accessories attached to the casework.
32. Furnish and install all solid surface window stools at new and existing windows.
33. Furnish and install solid surface bench tops as detailed on A-508.
34. Caulking integral to systems under this scope of work shall be provided by this contractor. Caulking of casework and countertops to adjacent dissimilar materials **is by others. is by this contractor (12A). Addendum #2**
35. **Solid surface in display cases as detailed on sheet A-405 is by carpentry contractor, 06A. Addendum #2**

ALLOWANCES

Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:

None

ALTERNATES

Provide all casework work, in accordance with above specific scope of work, as applicable, for the alternates listed below.

Insert the following alternate prices into the spaces provided on the bid form.

ALTERNATE No. 1: Replace pool pak

ALTERNATE No. 2: Replace Pool Lighting

ALTERNATE No. 3: Add telescoping bleachers at gymnasium.

ALTERNATE No. 4: NOT USED

ALTERNATE No. 5: Replace gymnasium lighting.

ALTERNATE No. 6: Replace gymnasium HVAC.

ALTERNATE No. 7: Refurbish, refinish, and restripe gymnasium floor. Paint gymnasium.

ALTERNATE No. 8: New backboards and wall pads at gymnasium.

ALTERNATE No. 9: Replace auditorium house lighting.

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- ALTERNATE No. 10:** Refurbish auditorium stage.
- ALTERNATE No. 11:** Replace auditorium seating.
- ALTERNATE No. 12:** Curtain wall at Area D south facade.
- ALTERNATE No. 13:** HPL screen wall at Area D north facade.
- ALTERNATE No. 14:** Replace pool roof.
- ALTERNATE No. 15:** Replace gymnasium roof.
- ALTERNATE No. 16:** Replace auditorium roof.
- ALTERNATE No. 17:** NOT USED
- ALTERNATE No. 18:** Replacing flush valves and wash sinks.
- ALTERNATE No. 19:** Bookshelves at classrooms.
- ALTERNATE No. 20:** Tubular skylights.
- ALTERNATE No. 21:** Replace existing windows at Areas D, E, & F.
- ALTERNATE No. 22:** New floors at group toilet rooms. Accent tile at walls.
- ALTERNATE No. 23:** New windows at Area E.
- ALTERNATE No. 24:** New windows at Area F.
- ALTERNATE No. 25:** Data infrastructure.

UNIT PRICES

Provide the following unit prices. Whiting-Turner reserves the right to request lump sum or T&M pricing for extra work in lieu of applying unit prices.

SECTION 011200-14A – SPECIFIC SCOPE OF WORK – ELEVATOR

SPECIFIC SCOPE – ELEVATOR:

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

SPECIFICATION SECTIONS

Prepared by ABHA Architects, dated November 7, 2018:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

| Section | Description | Responsibility |
|----------------|-----------------------------------|-----------------------|
| Division 00 | Bidding and Contract Requirements | In Its Entirety |
| Division 01 | General Requirements | In Its Entirety |
| Division 02 | Existing Conditions | As Applicable |
| Division 04 | Masonry | As Applicable |
| Division 05 | Metals | As Applicable |
| Division 07 | Thermal and Moisture Protection | As Applicable |
| 07 92 00 | Joint Sealants | In Its Entirety |
| Division 14 | Conveying Equipment | In Its Entirety |
| Division 26 | Electrical | As Applicable |

NARRATIVE:

1. Include the cost of performance and payment bonds in the base bid.
2. Provide ~~electric traction~~ **hydraulic** elevator complete, including rails, guides, cabs, enclosure, platform, doors, frames, hoistway entrances, pumps, equipment wiring, piping, controls, and accessories for complete function assembly.
3. Provide full-time, on-site foreman to supervise work when contractor is on-site.
4. Provide and install elevator door sill angles. Include grouting of sill angles.
5. Coordinate installation of work with mechanical, fire protection and electrical contractors.
6. Prior to commencement of work, elevator contractor shall inspect hoistway, hoistway openings, pit and machine room to verify dimension and supporting structures. Elevator contractor shall notify Whiting-Turner of any dimension discrepancies.
7. Provide all permits and fees required. New Castle County building permit provided by Whiting-Turner. Provide final inspections and licensing.

8. Provide all required elevator signage.
9. Provide site surveys prior to mobilization.
10. Provide all embeds for installation by others.
11. Provide hoistway access on top of cab for work required by other contractors and final inspection.
12. Provide warranty and maintenance service as specified.

ALLOWANCES

Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:

Allowance #1 – Provide 24 hours of operator time.

ALTERNATES

Provide all elevator work, in accordance with above specific scope of work, as applicable, for the alternates listed below.

Insert the following alternate prices into the spaces provided on the bid form.

ALTERNATE No. 1: Replace pool pak

ALTERNATE No. 2: Replace Pool Lighting

ALTERNATE No. 3: Add telescoping bleachers at gymnasium.

ALTERNATE No. 4: NOT USED

ALTERNATE No. 5: Replace gymnasium lighting.

ALTERNATE No. 6: Replace gymnasium HVAC.

ALTERNATE No. 7: Refurbish, refinish, and restripe gymnasium floor. Paint gymnasium.

ALTERNATE No. 8: New backboards and wall pads at gymnasium.

ALTERNATE No. 9: Replace auditorium house lighting.

ALTERNATE No. 10: Refurbish auditorium stage.

ALTERNATE No. 11: Replace auditorium seating.

ALTERNATE No. 12: Curtain wall at Area D south facade.

ALTERNATE No. 13: HPL screen wall at Area D north facade.

ALTERNATE No. 14: Replace pool roof.

ALTERNATE No. 15: Replace gymnasium roof.

ALTERNATE No. 16: Replace auditorium roof.

ALTERNATE No. 17: NOT USED

ALTERNATE No. 18: Replacing flush valves and wash sinks.

ALTERNATE No. 19: Bookshelves at classrooms.

ALTERNATE No. 20: Tubular skylights.

ALTERNATE No. 21: Replace existing windows at Areas D, E, & F.

ALTERNATE No. 22: New floors at group toilet rooms. Accent tile at walls.

ALTERNATE No. 23: New windows at Area E.

ALTERNATE No. 24: New windows at Area F.

ALTERNATE No. 25: Data infrastructure.

UNIT PRICES

Provide the following unit prices. Whiting-Turner reserves the right to request lump sum or T&M pricing for extra work in lieu of applying unit prices.

None.

SECTION 011200-26A – SPECIFIC SCOPE OF WORK – ELECTRICAL

SPECIFIC SCOPE – ELECTRICAL:

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

SPECIFICATION SECTIONS

Prepared by ABHA Architects, dated November 7, 2018:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

| Section | Description | Responsibility |
|----------------------------------|-----------------------------------|-----------------------|
| Division 00 | Bidding and Contract Requirements | In Its Entirety |
| Division 01 | General Requirements | In Its Entirety |
| Division 03 | Concrete | As Applicable |
| Division 04 | Masonry | As Applicable |
| Division 05 | Metals | As Applicable |
| Division 06 | Wood, Plastics & Composites | As Applicable |
| Division 07 | Thermal and Moisture Protection | As Applicable |
| Division 08 | Openings | As Applicable |
| Division 09 | Finishes | As Applicable |
| Division 10 | Specialties | As Applicable |
| Division 11 | Equipment | As Applicable |
| 142400 | Hydraulic Elevators | As Applicable |
| Division 21 – All subsections | Fire Protection | As Applicable |
| Division 22 – All subsections | Plumbing | As Applicable |
| Division 23 – All subsections | HVAC | As Applicable |
| Division 26 – All subsections | Electrical | In Its Entirety |
| 27 00 00 | Communications | In Its Entirety |
| Division 28 – | Electronic Safety and Security | In Its Entirety |

| | | |
|-----------------|-------------------------------|---------------|
| All subsections | | |
| 31 25 00 | Erosion and Sediment Controls | As Applicable |
| 33 71 19 13 | Electric Manholes | As Applicable |

NARRATIVE:

1. Include the cost of performance and payment bonds in the base bid.
2. Contractor will be responsible for maintaining, repairing, and installing all temporary lights, panels, and receptacles per CM direction. It is the CM's intent to power permanent panels as quickly as possible to allow temporary power to be demolished and all power to be distributed through the permanent panels. Temporary power will need to be distributed to ensure all trades can work with cords no longer than 100 ft. Lighting will be needed throughout the project interior and will need to be reworked as the job progresses. Interior lighting will be supported and checked daily by this contractor for any repairs that are needed. Removal of ALL temporary electrical equipment will be the responsibility of this contractor. All temporary wiring and lighting must meet current NEC codes. Temporary lighting must never be put on the same circuit as temporary receptacles. All temporary lighting circuits must originate from GFCI protected breakers. The minimum illumination level 5 foot-candles; this shall be maintained by the electrical contractor at all times. Installation of temporary lighting must be per manufacturer's specifications and in compliance with OSHA, NFPA, NEC and local codes. All temporary will be no less than OSHA requirements.
3. Provide temporary lighting on to meet OSHA standards. Light circuits are to be separate from power circuits. The lighting is to be controlled by labeled breakers or switches. Relocate the temporary lights to coordinate with the installation of partitions so that every room including closets or small storage areas have a minimum of one light.
4. Conduit runs and feeds through occupied areas must take place while school is not in session.
5. When directed by the Construction Manager, remove the existing temporary electrical services that were installed by this contractor.
6. This contractor and their subcontractors working with electrical systems are required to have a written lockout/tagout procedure. A competent person shall be responsible to control all aspects of the LOTO procedure.
7. Review all drawings including civil, structural, architectural, mechanical, electrical, plumbing, fire protection and food service prior to mobilization to identify all items that need to be embedded, penetrate or generally coordinated with electrical work.
8. Furnish and install all interior and exterior electrical power, lighting, fire alarm systems, special systems, and telephone and data communication systems.
9. Building will be occupied at during all phases of construction. Electrical/Data/Fire Alarm demolition should not create outages in occupied areas. Electrical contractor at the begin of each phase, must survey all circuits to be demolished and report all circuits not in current phase that will be affected to WT. These circuits must be re-fed, as to not create an outage.
10. Disconnect existing electrical wiring and devices as indicated.
11. Disconnect existing electrical devices required for ceiling removal at existing restrooms.
12. Disconnect and reconnect existing electrical equipment to allow for roof replacement.
13. Field superintendent required on-site at all times contractor's forces or subcontractor's forces are working.
14. Provide all shop drawings, submittals and mock-ups per specifications.
15. Provide warranties and guarantees as specified.
16. Provide all underground electrical utilities, conduit, wire, handholes, concrete, etc. for new site lighting. Provide all excavation, backfill and compaction for underground electrical utilities. Remove excess soil from site as required. Saw cutting removal of asphalt and new asphalt is by this contractor
17. Sub-grade to be returned to original state after completion of electrical utility work.

18. Provide all interior and exterior concrete pads required for new electrical equipment.
19. Provide pull strings in all empty raceways.
20. Provide electrical inspections as required per construction manager schedule and as required for progress inspections.
21. Provide all telephone and data cabling, equipment, conduit, boxes, cable tray, racks, patch panels, backbone cabling, fiber optic cabling, wireless access points, etc. for complete telephone and data system. Contractor must be familiar with phasing and relocation of MDF and IDF locations, to prevent rework and outages of occupied areas.
22. Wireless access point equipment to be furnished and installed by others. Wire, conduit, jack and box by electrical contractor.
23. Furnish access panels to drywall contractor as required for concealed devices of your work. Access panel locations to be coordinated with construction manager.
24. Provide as-built drawings, O&M manuals and all other closeout documentation required by specifications.
25. Closed circuit TV equipment is furnished and installed by others. Wire, conduit, jack and box by electrical contractor.
26. This contractor is to contract with Avantech for card access and security systems.
27. Provide new fire alarm system as indicated. Fire alarm replacement is phased, existing building to be occupied and must be covered during all phases of construction. Fire Alarm will remain operational during demo. Ensure all FA devices are protected, and the systems are called out during work. Ensure they are back online at the end of every shift. This will need to be coordinated with WT. Provide code compliant coverage of construction area.
28. Provide any and all code-required work for fire alarm and electrical systems, if not shown on the project documents.
29. Provide any power, devices and systems wiring to mechanical fire and/or smoke dampers.
30. Provide all grounding and bonding work as required.
31. Provide all grounding busbars and hardware as shown.
32. Provide power wiring and low voltage wiring and connections for electrified doors and door hardware. Door hardware is provided by carpentry/aluminum contractor, low voltage wiring between hardware is by this contractor. See door hardware schedule in 08 70 00 for extent of electrified hardware. Provide power for listed power supplies. Interface hardware with fire alarm.
33. Provide power wiring and low voltage wiring and connections for overhead doors.
34. All electrical penetrations in floors and walls to be fire-sealed as required.
35. Provide floor boxes.
36. Provide final cleaning of all panels and electrical gear including interior of equipment.
37. Provide all permits and fees required. New Castle County building permit provided by Whiting-Turner.
38. Provide all labels and tags on devices, receptacles, junction boxes, and panels as required. Color code junction boxes and conduit as required by specifications.
39. Color coded low voltage wiring as indicated.
40. Furnish and install motor starters, disconnects, and combination starters for all mechanical equipment that is not supplied with an integral device. Refer to equipment schedules.
41. All equipment used prior to final completion shall be serviced, inspected and cleaned prior to final completion and acceptance by owner.
42. Provide start-up, testing and commissioning of all new equipment and systems as specified.
43. Provide scaffolding, rigging, hoisting, security and storage for this work.
44. Provide 5 days notice prior to shutdown of any system.
45. Provide all supports required for proper installation of this work.
46. Verify electrical and fire alarm requirements for new kitchen equipment matches the electrical drawings. Coordinate all electrical requirements with kitchen contractor.

47. Identify live circuits at saw cut areas for plumber and demo contractor prior to slab cutting and removal.
48. Electrical demo of lights, conduit, gear, conductors, data wiring, anchors. Electrical contractor is to "cut and lowered" items to be demo'ed and piled neatly for haul away and disposal is by demolition contractor. Demolition contractor has salvage rights and right of first refusal.
49. Provide concrete slab demo, excavating, backfilling and concrete at electrical trenching, ready for flooring.
50. Provide power management and occupancy sensors
51. Provide all shunt trip breakers.
52. Provide power to elevator sump, oil monitor and low voltage between the two
53. Lighting and power on roof as indicated on E-500
54. Provide additional exit lights as indicated on E600
55. Paint stripe and wording "Keep Clear" for all electrical equipment.
56. Include the cost of off hours and weekend work for conduit and wire pulls that must run through occupied areas to feed panels in the current phase of work. See phasing schedule, there are situations where, conduit and wire runs get installed in phases that happen after the phase that contain the panel.
57. Provide power for TV's and projectors.
58. Provide power and low voltage wiring for projection screens
59. Provide complete area rescue system.
60. Provide public address system. Install and remove existing in phases as to not create outages in occupied parts of building. Newly installed system must be incorporated into existing as to function as one system until existing is decommissioned. Don't include speakers in Auditorium, Gymnasium and Natatorium, system should have the capacity to include these areas in the future.
61. Provide power to building mounted back lit building signage, see elevation for location.
62. Provide power to backlit building signs as shown on elevation B1/A-211
63. Coordinate with 3rd party commissioning agent to demonstrate proper system performance and resolve operational problems. See specific commissioning plan, section 01 19 10.
64. Provide roof penetration items as detailed on A-501 for this contract's work.
65. For pool lighting alternate #2, the water in the pool will not drained. Included lifts, floor protection and scaffolding as required for your work.
66. **Provide display case lighting in the custom display cases. See Addendum #1 new drawings E-111.1 and E-111.2 Addendum #2**

ALLOWANCES

Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:

1. **Allowance #1** - Include in the base bid a \$75,000 allowance for miscellaneous electrical work. This allowance is for additional electrical work above and beyond work that is shown on the bid documents.

ALTERNATES

Provide all electrical work, in accordance with above specific scope of work, as applicable, for the alternates listed below.

Insert the following alternate prices into the spaces provided on the bid form.

- ALTERNATE No. 1:** Replace pool pak
- ALTERNATE No. 2:** Replace Pool Lighting
- ALTERNATE No. 3:** Add telescoping bleachers at gymnasium.
- ALTERNATE No. 4:** NOT USED
- ALTERNATE No. 5:** Replace gymnasium lighting.
- ALTERNATE No. 6:** Replace gymnasium HVAC
- ALTERNATE No. 7:** Refurbish, refinish, and restripe gymnasium floor. Paint Gymnasium.
- ALTERNATE No. 8:** New backboards and wall pads at gymnasium.
- ALTERNATE No. 9:** Replace auditorium house lighting.
- ALTERNATE No. 10:** Refurbish auditorium stage.
- ALTERNATE No. 11:** Replace Auditorium Seating.
- ALTERNATE No. 12:** Curtain wall at Area D south facade.
- ALTERNATE No. 13:** HPL Screen Wall at Area D north facade.
- ALTERNATE No. 14:** Replace Pool Roof
- ALTERNATE No. 15:** Replace Gymnasium Roof
- ALTERNATE No. 16:** Replace Auditorium Roof
- ALTERNATE No. 17:** NOT USED
- ALTERNATE No. 18:** Replacing flush valves and wash sinks.
- ALTERNATE No. 19:** Bookshelves at Classrooms.
- ALTERNATE No. 20:** Tubular Skylights
- ALTERNATE No. 21:** Replace existing windows at Areas D, E, & F
- ALTERNATE No. 22:** New floors at group toilet rooms. Accent tile at walls.
- ALTERNATE No. 23:** New windows at Area E
- ALTERNATE No. 24:** New windows at Area F
- ALTERNATE No. 25:** Data Infrastructure

UNIT PRICES

Provide the following unit prices. Whiting-Turner reserves the right to request lump sum or T&M pricing for extra work in lieu of applying unit prices.

None.

SECTION 011200-31A – SPECIFIC SCOPE OF WORK – SITEWORK

SPECIFIC SCOPE – SITEWORK:

- A. The provisions outlined in the General Scope of Work shall apply to all items of this section. All work shall be in accordance with the schedule.
- B. This work shall include all labor, supervision, material, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, and any other items or services necessary for and reasonably incidental to the proper execution and completion of the work, whether temporary or permanent, in accordance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. All work shall be furnished and installed unless noted otherwise herein. The scope of work shall include but not be limited to the following specific scope of work:

SPECIFICATION SECTIONS

Prepared by ABHA Architects, dated September 25, 2018:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 33

The contractor is fully responsible for the technical specification sections as listed below for this Unit of Work. The exception to this is when the note “As Applicable” follows a technical specification section. In that case, other units of work, as defined by the Scope, may also have some responsibility for that particular section. General Conditions, Supplementary Conditions, General Requirements and General Scope Items apply to each and all of the Individual Units of Work.

| Section | Description | Responsibility |
|----------------------------------|-------------------------------------|-------------------------------------|
| Division 00 | Bidding and Contract Requirements | In Its Entirety |
| Division 01 | General Requirements | In Its Entirety |
| Division 03 | Concrete | As Applicable |
| Division 04 | Masonry | As Applicable |
| Division 21 – All subsections | Fire Protection | As Applicable |
| Division 22 – All subsections | Plumbing | As Applicable |
| Division 26 – All subsections | Electrical | As Applicable |
| Division 31 – All subsections | Earth Work | In Its Entirety |
| Division 32 – All subsections | Exterior Improvements | In Its Entirety |
| 32 14 13 | Precast Concrete Unit Pavers | In Its Entirety - Addendum 2 |
| 33 41 00 | Storm Drainage | In Its Entirety |
| 33 41 00 | Storm Utility Drainage | In Its Entirety |

NARRATIVE:

SPECIFIC SCOPE OF WORK – 31A SITEWORK

ABHA Architects
 Project No. 1630

01 12 00-31A - 1

1. Include the cost of performance and payment bonds in the base bid.
2. Arrange for and coordinate with Miss Utility and other applicable entities to identify and locate existing utilities.
3. Provide, maintain and remove all erosion and sediment control measures as shown.
4. See clarification of work from previously complete bid pack A, items listed in bid pack A are not to be included in bid.
5. Perform all work in accordance with sequence of construction on documents.
6. Provide, maintain and remove wash area for trucks and equipment.
7. Provide all site demolition, clearing and grubbing as indicated. Investigate site and remove all items required to complete all items of work.
8. Provide dewatering and mucking necessary to complete all items of work.
9. This contractor shall include rock and boulder removal provided the encountered rock and boulders can be removed with the use of a CAT 325 excavator (or similar).
10. Provide sanitary sewer system including excavation, backfill, inspections, testing, setting beds, piping, manholes, structures, etc. Coordinate shutdown with local agencies. Notify adjacent residences of disturbance to existing services to complete this work. Coordinate with mechanical contractor for work at grease trap.
11. Fire and domestic water piping to building is not part of this contract. See documents to see scope of pipe installed in Bid pack A.
12. Provide all fire hydrants. Paint bonnets and install reflective tape as required on new and existing fire hydrants.
13. Review plumbing drawings for sanitary and storm piping connecting to your work.
14. Provide all storm water management items including piping, structures, manholes, catch basins, concrete cradles, underdrain, rainwater conductor piping, Bio-Retention Basin, outlet structure, rip rap, etc. Provide all excavation, backfill and bedding materials.
15. Provide concrete washout station for your own work
16. Provide all grading as required for Bio-Retention Basin.
17. Provide landscaping, seeding and stabilization at Bio-Retention Basin upon completion.
18. Provide all site preparation, earthwork, excavation, filling, grading and equipment to achieve final design grades.
19. All finish grades are to be properly blended to allow smooth transitions.
20. Protect and/or avoid all existing underground utilities.
21. All excess soils and excess topsoil shall be removed from site.
22. Any stockpile backfill shall be covered.
23. Provide all site concrete items including grading, sub-base preparation, expansion joints, control joints, vertical concrete curbs, depressed concrete curbs, sidewalks, concrete steps, concrete retaining walls, handicapped ramps with truncated domes as detailed.
24. Provide dumpster pad and enclosure as detailed.
25. Demolition exterior concrete, curbing, asphalt as indicated. Including foundations of stairs and retaining walls.
26. Provide all asphalt milling, paving demo, paving, compacted stone sub-base, proofrolling, asphalt base course and asphalt topping course as detailed. Base paving and top coat paving to be completed in separate mobilizations.
27. Provide all parking lot and fire lane signage and striping as shown. Include all parking wheel stops as detailed.
28. Provide all safety measures and controls, traffic controls, etc. to comply with all OSHA safety regulations in order to complete this work.
29. Provide continuous site cleaning of project site and adjacent streets resulting from this work. Provide street cleaning Green St and Seminole Ave as needed. Mud and debris on Green St and Seminole Ave resulting from this work must be removed immediately.

30. Field superintendent required on-site at all times contractor's forces or subcontractor's forces are working.
31. Provide all fencing shown.
32. Provide all permits and fees required. New Castle County building permit provided by Whiting-Turner. Provide New Castle County Land Use utility permits as required.
33. Provide final topsoil placement and grading at all disturbed areas. Rake topsoil to remove all stone and debris.
34. Provide final seeding as specified. Submit seeding mix design prior to installation. Provide watering as required until new seeded areas are established.
35. Provide all temporary power required to complete your work.
36. ASPHALT CEMENT COST ADJUSTMENT – Payments to the Contractor shall be adjusted to reflect increase or decreases in the Delaware Posted Asphalt Cement Price at time of placement when compared to the Asphalt Cement Base Price at time of bid. The Delaware Posted Asphalt Cement Price will be issued monthly by the Department. 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. 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 **October of 2018** price posted on DelDOT's website. 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.
37. Provide bike racks at courtyard and front entrance as shown on A-114 and A-404
38. Monument sign, railings, retaining wall and vehicle charging stations by others
39. Bluestone stair treads at front entrance stairs are by others, concrete footer and structure are by site contractor.
40. Removal of canopy at office entrance is by demolition contract 02A. See demo note D9 on A-103.1. Sidewalk demo is by Sitework contractor.
41. Demo for courtyard and front entrance, ramp, rails, curbs, sidewalks and stairs, See architectural drawings.
42. Remove temporary asphalt path for work at future Courtyard.
43. Provide unit pavers, grading, base and subbase, edging, sand at Courtyard and Front entrance see A-114 and A-404.
44. Provide benches and bench foundations at Courtyard.
45. Provide planting beds, ornamental aggregate, edging, fabric and soil at front entrance See architectural drawings.
46. Provide linear drain as shown on A-314
47. **Provide bollards as shown on A-111.1 – Addendum #2**

ALLOWANCES

Include the following allowances in the base bid. They will be billed against on a time and material basis during the project with labor rates and unit prices that will include the allowable overhead and profit. Any unused portion will be credited from the contract. The allowances can be used for another purpose at the discretion of the CM at any time:

ALTERNATES

Insert the following alternate prices into the spaces provided on the bid form.

ALTERNATE No. 1: Replace pool pak

SPECIFIC SCOPE OF WORK – 31A SITEWORK

ABHA Architects
Project No. 1630

01 12 00-31A - 3

- ALTERNATE No. 2:** Replace Pool Lighting
- ALTERNATE No. 3:** Add telescoping bleachers at gymnasium.
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- ALTERNATE No. 25:** Data Infrastructure

UNIT PRICES – Note: The owner reserves the right to request lump sum pricing for extra work in lieu of applying unit prices.

1. Remove unsuitable soils off-site and replace with imported select fill, per c.y.
2. Remove unsuitable soils off-site and replace with 57 stone, per c.y.
3. Import and place select fill, per c.y.
4. Import and place #57 clean stone, per c.y.
5. Asphalt paving, base course per typical detail, per ton.
6. Asphalt paving, top course per typical detail, per ton.