



Appoquinimink School District
THE WORLD IS OUR CAMPUS

STATE OF DELAWARE
Appoquinimink School District

November 22, 2017

TO: ALL OFFERORS

FROM: Bob Hershey

SUBJECT: ADDENDUM TO REQUEST FOR PROPOSAL NO. 1:
Appoquinimink School District
The New Whitehall Elementary School
Bid Package A

ADDENDUM NO. 1

TO

**APPOQUINIMINK SCHOOL DISTRICT
THE NEW WHITEHALL ELEMENTARY SCHOOL
BID PACKAGE 'A'
MIDDLETOWN, DELAWARE**

This addendum is hereby made part of the Project Manual and Drawings dated October 13, 2017.

The Project Manual and Drawings shall be supplemented or amended as specified herein.

This Addendum contains changes to the requirement of the Project Manual. Such changes shall be incorporated into the Contract Documents and shall apply to work with the same meaning and force as if they had been included in the original Documents. Whenever this Addendum modifies a portion of a paragraph of the Project Manual, the remainder of the paragraph affected shall remain in force. Added information is shown as **Bold**, deleted information is shown as ~~striethrough~~.

This Addendum contains changes to the requirement of the Drawings. Such changes shall be incorporated into the Contract Documents and shall apply to work with the same meaning and force as if they had been included in the original Documents. Whenever this Addendum modifies a portion of any

drawing, the remainder of the drawing affected shall remain in force. Added, deleted or revised information is shown as "clouded".

The conditions and terms of the basic Contract Documents shall govern work unless otherwise described in this Addendum. Whenever the conditions of work, and the quality or quantity of materials, or workmanship are not fully described in this Addendum, the conditions of work included in the basic Contract Documents for similar items of work shall apply to the work described in this Addendum.

If no similar items of work are included in the basic Contract Document, the best quality of material and workmanship shall apply and all work shall be subject to the written acceptance of the Architect.

GENERAL CLARIFICATIONS:

1. The pre-bid meeting minutes and sign in sheets are attached for your use.
2. Vandemark & Lynch waiver and indemnification agreement for electronic drawing files is attached for your use.

QUESTIONS AND ANSWERS:

1. Per the attached substitution request, is Diener Brick an acceptable substitution?
Answer: We have received the physical brick samples for review. After reviewing them, we do not accept this substitution
2. Hot Water Duct Coil Schedule listed on sheet M6.1 identifies the Equipment # as DC - #. Yet on various mechanical sheets they are identified as DH - #. Please clarify which is correct.
Answer: Hot Water Duct Coil Schedule is correct "DC". Change drawing identifications from "DH" to "DC".
3. Finned Tube Radiator Schedule listed on sheet M6.2 identifies the Equipment # as FT - #. Yet on various mechanical sheets they are identified as FTR - #. Please clarify which is correct.
Answer: Finned Tube Radiation Schedule is correct - "FT". Change drawing identifications from "FTR" to "FT".
4. Fan Coil Units in Rooms A101, A102, & A106 are missing Equipment #'s. Please clarify what units are to be installed in these rooms.
Answer: Add the following equipment identifications:
 - Room #A101 - FCU/A1.7
 - Room #A102 - FCU-A1.8
 - Room #A106 - FCU/A1.12
5. There is a piece of mechanical equipment (PGW Mixing Unit) found in the Mechanical Room C121 that is not found on the Mechanical Schedules.
Answer: Correct. Unit shown on floor plan and detail sheet. Specified in section 230510-Water Treatment

6. Can you get the AISC erector certification waived, there are a limited number of certified erectors in our area and this job is too small for 2 of them.
Answer: The AISC erector certification can be waived, but the fabricator should be aware that they may be subjected to additional in shop inspection per IBC Chapter 17.
7. Is HYG Vapor Barrier an acceptable substitution?
Answer: We have reviewed the information for the proposed substitution request from Poly-America for spec section 033000 - Cast - In - Place Concrete sub paragraph 2.7 - Vapor Retarders and we accept the request for Husky Yellow Guard Vapor Retarder. We will add Poly-America via Addendum #1.
8. Item #15, "Include all utility company related costs/fees for this work". Has the application been submitted to the power company? Pricing from the power company will not be provided unless the application has been submitted. If it has been submitted can the power company fees be posted in an addendum?
Answer: Contact is Dave Darone at Delmarva 302-454-4299
9. The specification requires AWI Certification for Casework, is the architect willing to waive the AWI Certification requirement.
Answer: We are not willing to accept this request to waive the AWI certification requirement. Provide as specified.
10. 1.) In the Bid Spec Volume 3 – Section 28071 – “Fire Alarm and Detection Systems” – Page 4 – Section 2.1 – Acceptable Manufacturers lists “Simplex-Grinnell” as the only acceptable manufacturer. Advantech is formally requesting to be an approved alternate vendor to provide a Honeywell Notifier Fire Alarm system with equivalent features and specifications. Please inform Advantech of any documentation or information required to obtain this approval.
2.) In the Bid Spec Volume 3 – Section 280724 – “Area Rescue System” – Page 1 – Section 1.2 – Acceptable Manufacturers lists “Simplex, Cornell, Housing devices” as acceptable manufacturers of the Area of Rescue systems. Advantech has deployed multiple Cornell area of rescue assistance systems in the past and is fully capable of providing an equivalent system as Simplex.
3.) Advantech understands that the Appoquinimink school district has standardized on “American Dynamics Intellex DVR through the use of NetVue”, and “Software House C-Cure 9000” for the Video Surveillance & Access Control security systems. Advantech is requesting the Fire Alarm & Area of Rescue assistance portions of this bid to be opened up to create competitive pricing for the school district.
Answer: 1. Simplex-Grinnell is District standard.
2. Simplex-Grinnell is District standard.
3. Simplex-Grinnell is District standard.

11. Are the extended coverage sprinkler heads allowed? Please confirm.
Answer: Yes, extended coverage sprinklers are acceptable.
12. 1.) Drawing E5.2, details on MDP include a note referencing Alternate 16A and Drawing E601. Is there more info concerning Alt 16A. We cannot find a drawing E601.
2.) Is contact info available for the electric utility company? Are they aware of the project?
Answer: 1. Revise drawing number to E6.2. Omit Alternate.
2. Contact is Dave Darone at Delmarva 302-454-4299
13. The exterior wall types call for spray foam insulation/air barrier. There is no spec for the air barrier, only spray foam insulation. Please advise.
Answer: The spray foam insulation acts as an air barrier.
14. 1) What is the amount of Liquidated Damages for this project? I see reference made to the application thereof but find no dollar amount indicated.
2) Is there a Maintenance Bond Requirement for this project? If so, at what percentage of Contract and duration?
3) There is a Non-Resident Bonding Requirement listed in the Instructions To Bidders – Section 11.C, indicating a 6% bond (exceeding \$20K) is to be submitted to the Division of Revenue. Is this in ADDITION to the 10% Bid Bond as indicated in the Advertisement To Bid? If so, is there a supplemental form this is to be prepared on or is it to be added (16%?) and submitted on the Bid Bond form issued within the contract specifications?
Answer: 1. – There are no liquidated damages on the project.
2. – There is no maintenance bond required.
3. – In the link below, please see the instructions for special requirements for building trades contractors (Page 10) Item 4. The 6% bond is paid direct to the Division of Revenue when applying for a business license. Follow the link below for further instructions.
https://revenue.delaware.gov/services/current_bt/contractor_nr.pdf
15. Detail 15/A9.9 indicates work located in corridor 128. What will be the wall surface be prior to tile in the corridors. Please confirm it will be: sheet rock, impact board, cement board, something else. Additionally, will there be a reglet at expansion needed, a cold or caulk joint, or what? Please provide clarification.
Answer: See A3 drawings for wall partition types. Please note the elevations 13, 14, and 15/A9.9 are indicated as alternate bid for Alternate No. 7. There is no expansion join in this area. There is a fire door in Lobby B128 as indicated on the plans.
16. Please review the attached substitution for Gym Equipment.
Answer: Substitution Approved.
17. Please review the attached substitution for Visual Display Units.
Answer: Substitution Approved.

18. Please provide a spec for the defibrillator called for in Contract A-05 item 30. The Miscellaneous Equipment spec only covers the cabinet.
Answer: ASD will provide defibrillator. Carpentry & General Works Contractor shall provide cabinet only.
19. 1.) Tile specification identifies a 6.5" x 6.5" and a 13" x 13" Porcelain Tile, however it drawings and specifications do no identify locations or pattern of where this tile is to be installed. Please clarify.
2.) Specifications identify a "thick set" method, is this just for the quarry tile or for all tile floors?
3.) Specifications identify redguard waterproofing is to be installed. In what locations is this product to be installed? Is this product to be installed on all floors or just on the upper levels?
4.) Joint sizes for tile floors are not identified in specifications. Should a 1/8" joint be used in construction (per manufacturer)?
5.) Plans do not identify a floor tile pattern. Is tile to be installed in a "grid" pattern, or "running bond" similar to the wall installations?
Answer: 1. Questions addressed in Addendum #1.
2. will be addressed in addendum #2 for all contractors.
3. will be addressed in addendum #2 for all contractors.
4. Grout Joints will vary based on specific tile specified. As stated per 3.3F, Provide joint widths as recommended by tile manufacturer.
5. Will be addressed in addendum #2 for all contractors
20. Please provide the location of panel CDP & Transformer T2 as shown on Drawing E5.2. Is this fed from the MDP panel?
Answer: Will be addressed in Addendum #2. Both located by "MDP" and fed from "MDP".
21. Sheathing is included in A-05 Carpentry & General Works, A-06 Roofing, & A-07 Metal Stud and Drywall. The sheathing specification covers plywood, glass – mat gypsum sheathing, and composite nail base insulated roof sheathing. Please clarify what package is responsible for each type of sheathing.
Answer: 1. Sheathing is to be broken apart as follows:
a. Plywood Sheathing – Contract A-06 Carpentry & General Works shall be responsible for Plywood Sheathing.
b. Glass – Mat Gypsum Sheathing – Contract A-07 Metal Studs and Drywall shall be responsible for Mat Gypsum Sheathing.
c. Composite Nail Base Insulated Roof Sheathing – Contract A-06 Roofing shall be responsible for Composite Nail Base Insulated Roof Sheathing.
22. 1.) The electrical and special systems are broken into two separate contracts. Can they be combined or do they need to remain separate contracts?

- 2.) Please clarify what systems belong to what package. Please provide a detailed list of who owns what for ALL systems in the school.
- 3.) Is there a lightning protection system? A specification has been provided, however, it cannot be located on the drawings.

Answer: 1. Contracts A-20 Electrical & A-21 Special Systems are to remain separate contracts.

2. Per Note 17 in 011100 Summary of Work for Contract A-20 Electrical, Spec Special systems (CCTV, intercom, telecommunications, fire alarm, area rescue system, intrusion detection, cafeteria sound reinforcement system, sound, security, time clock,) will be the responsibility of the Special Systems Contractor. However, this contractor (A-20 Electrical) must coordinate with Special Systems Contractor as indicated on the drawings and as specified. This contractor shall provide all device boxes, conduit to volt circuits for special systems as indicated and also to provide 120 Volt circuits for all Special Systems.
3. Refer to spec section 260601.

23. 1.) There are a few closets that require a coat rod and shelf assembly. What contract is responsible for these? Will a detail be provided on what is wanted?
- 2.) What contract is responsible for the stage front storage doors?

Answer: 1. Contract A-05 Carpentry and General Works is responsible for coat rod and shelf assembly. Provide as specified per spec section 062023-4 sub paragraph 2.5 Shelving.

2. Contract A-05 Carpentry & General Works is responsible for providing stage front storage doors.

24. 1.) Please review the attached substitution for Soffit Panels.
- 2.) Please review the attached substitution for Formed Metal Roof Panels.

Answer: 1. We accept the substitution for DMI Soffit Panels.

2. We accept the substitution for DMI Formed Metal Roof Panels.

25. 1.) Per Section 280721 – “Fire Alarm & Detection Systems” – Advantech is requesting Honeywell Notifier Fire Alarm Systems be an approved equal to “Simplex-Grinell”. Datasheets for the proposed Notifier NFS-640 Control Panel attached.
- 2.) Per Section 280725 – “Intrusion Detection System” – Page 1 – “Section 1.3 – Security Alarm System Manufacturer” – “control/communicator, control stations, and programmers shall be manufactured by Detection Systems, Inc. as provided by Delmarava Systems Corporation, Newport Delaware”. Advantech is requesting Honeywell Vista Intrusion Detection systems be an approved equal. See attached datasheet for Vista 128 BPT Intrusion Control Panel.
- 3.) Per Section 280727 – “Integrated Access Control & Security Management System” – Page 5 – “Security Management System (SMS) shall be the Software House C-Cure 9000 System”. Advantech is requesting Honeywell ProWatch be an approved equal to

“Software House C-Cure 9000 System”. See attached Datasheet for ProWatch. Otherwise Advantech has partnered with a manufacturer approved & certified Software House C-Cure integrator to install the approved system.

4.) Per Section 280727 – “Integrated Access Control & Security Management System” – Page 13 – “SMS shall provide comprehensive integration with American Dynamics Intellex digital video recorders through the use of NetVue.” Advantech is requesting an ExacqVision Network Video Recorder be an approved equal for the video surveillance system. See attached datasheet.

Answer: 1. See attached Addendum #1 for answers.

2. See attached Addendum #1 for answers.

3. See attached Addendum #1 for answers.

4. See attached Addendum #1 for answers.

26. 1.) Ref. specification section 011100, Summary of Work, Ceramic Tile, page 54, #15, Protection. It is impossible to price policing the job site to maintain temporary protection after our work is completed and we are off the job. Can maintenance and removal of temporary protection from this bid package be assigned to the General Trades Contractor?
- 2.) Ref. specification section 012300, Alternates, No. 10 Ceramic Tile. We note the specification indicates the listed corridors are not to include tile in the base bid, however the finish schedule on drawing A3.7 indicates wall tile finishes. Are the wall tile finishes in the rooms listed in Alternate #10 to be included base bid?
- 3.) Ref. specification 093013, Tile, Page 4, paragraph 2.4, waterproofing membrane. The specifications note waterproofing membrane materials; however the installation method specified on page 10 does not indicate that waterproofing membrane is to be installed. Is waterproofing membrane to be installed? If so, where?
- 4.) Ref. specification 093013, Tile, Page 10, paragraph 3.8A, Interior Floor Installation. We note multiple installation methods are indicated for the floor tile however we find mention of where they are to be used. Are all floors to be installed using TCNA F113 (cementitious thinset mortar with cementitious grout)? If no, please advise other installation methods are to be used.

Answer: 1. No. Contract A-14 Ceramic Tile must provide, maintain, and remove temporary protection as indicated.

2. Follow the Alternate No. 10 direction. No wainscot tile in locations identified in Alternate #10 should be included in base bid. All tile installations where indicated in Alternate #10 shall be priced as Alternate #10 only.

3. Will be addressed in Addendum #2.

4. Will be addressed in addendum #2.

27. 1.) Drawing L504 is on the playground. Please confirm that the fence around the playground is chain link with the exception of the one area detailed on CG101.

Answer: There will be two different types of barriers surrounding the playground area.

The portion of barrier running parallel with and fronting the adjacent Mapleton Avenue will be a Street Screen Wall (without weep holes) with 3' tall decorative metal fencing and

piers. The remaining fencing around the playground will be 5' tall decorative metal fence matching the street screen wall fencing. See attached highlighted excerpt from drawing CG101 for limits of playground barriers. Details for the street screen wall is provided on sheet L-501.

MODIFICATIONS TO SPECIFICATIONS:

- 1) SPECIFICATION SECTION 000110 Table of Contents: DELETE this section in its entirety and REPLACE with revised section attached to this addendum.
- 2) SPECIFICATION SECTION 000115 List of Drawings: DELETE this section in its entirety and REPLACE with revised section attached to this addendum.
- 3) SPECIFICATION SECTION 004100 Bid Form and Attachments: DELETE this section in its entirety and REPLACE with revised section attached to this addendum.
- 4) SPECIFICATION SECTION 011000 Summary of Work: DELETE this section in its entirety and REPLACE with revised section attached to this addendum.
- 5) SPECIFICATION SECTION 012300 Alternates: DELETE this section in its entirety and REPLACE with revised section attached to this addendum.
- 6) SPECIFICATION SECTION 033000 – CAST-IN-PLACE CONCRETE - Add Subparagraph 2.7 VAPOR RETARDERS A.1: Add subletter f. Poly-America.
- 7) SPECIFICATION SECTION 085113 – ALUMINUM WINDOWS - Add Subparagraph 2.3 ALUMINUM WINDOWS A: Add subnumber 3. Winco Window Company.
- 8) SPECIFICATION SECTION 093013 – TILE –
 - a. Revise Subparagraph 2.2.B.1.a. to read Manufacturer: Daltile and American Olean for CT-3 only.
 - b. Revise Subparagraph 2.2.B.1.b. to read Type: Matte, Semi-Gloss Color Trends, Brights.
 - c. Revise Subparagraph 2.2.B.2.b. to read Size: 6" x 6" and 6" x 12" cove base, 5/16 inch thick.
 - d. Revise Subparagraph 2.2.B.2.e. to read Recycled Content: Minimum 47.5 percent pre-consumer recycled content.
- 9) SPECIFICATION SECTION 092900 – GYPSUM BOARD - Revise Subparagraph 2.6 JOINT TREATMENT MATERIALS C.5: Change Level 5 finish to Level 4 finish.

- 10) SPECIFICATION SECTION 095113 – ACOUSTICAL PANEL CEILINGS - DELETE the section in its entirety and ADD entire 10-page Document attached here.
- 11) SPECIFICATION SECTION 096519 – RESILIENT TILE FLOORING
 - a. Revise Subparagraph 2.3.A. to read Basis of Design Product: Subject to compliance with requirements, provide Armstrong; Natural Creations LVT with Diamond 10 Technology.
 - b. Delete Subparagraph 2.3.A.1. Mannington Commercial and 2.3.A.2. Johnsonite; Azrock Collection VCT.
 - c. Revise Subparagraph 2.3.C. to read Wearing Surface: tough, clear rigid vinyl wear layer protected by a diamond-infused UV-cured polyurethane finish, 0.020 inches thick.
- 12) SPECIFICATION SECTION 101100 – VISUAL DISPLAY UNITS
 - a. Add Subparagraph 2.3 VISUAL DISPLAY BOARD ASSEMBLY A: Add subnumber 3. Platinum Visual Systems.
 - b. Add Subparagraph 2.6 MARKERBOARD PANELS A: Add subnumber 4. Finish: Low gloss, dry-erase markers wipe clean with dry cloth or standard eraser. Suitable for use as projection screen.
 - c. Revise Subparagraph 2.7.B.3. to read Mounts with 3/4-inch flat head screws (furnished).
- 13) SPECIFICATION SECTION 102239 – FOLDING PANEL PARTITIONS
 - a. Revise Subparagraph 2.3 OPERABLE ACOUSTICAL PANELS – MANUAL J: Change to “Panel faces shall be covered with factory-applied vinyl and marker board as indicated on drawings and specifications section 090600.”
- 14) SPECIFICATION SECTION 116623 – GYMNASIUM EQUIPMENT
 - a. Add Subparagraph 2.1 ADJUSTABLE CHIN-UP BAR A: Add subnumber **4. Draper**
 - b. Add Subparagraph 2.2 SAFETY PADS A: Add subnumber **4. Draper**
- 15) SPECIFICATION SECTION 123216 Manufactured Plastic-Laminate-Faced Casework: ADD this section in its entirety.
- 16) SPECIFICATION SECTION 230450, “REFRIGERATION EQUIPMENT – HVAC”
 - a. Page 230450-5, Paragraph 2.1.I.10: DELETE and REPLACE with the following: “10. Vibration Isolation (Field Mounted)
 - b. One-inch spring isolators, level adjustable, spring and cage type for mounting under the unit base.”
 - c. Page 230450-12, Paragraph 2.3.E: INSERT the following:
 - d. “4. Provide BACNet interface to accommodate remote monitoring and adjustment of temperature setpoint.”

- 17) SPECIFICATION SECTION 230600, "AIR DISTRIBUTION & ACCESSORIES – HVAC"
 - a. Page 230600-13, Paragraph 2.14.E: DELETE the following manufacturers:
 - i. Q-Sox by Fabric Duct Systems, Inc., Air Sox by Euro Air, Hero Fabri Duct by Hero Fabri Duct, Inc.

- 18) SPECIFICATION SECTION 230760, "AIR HANDLING EQUIPMENT"
 - a. Page 230760-1, Paragraph 1.2.A: DELETE Item 5 - Packaged Rooftop HVAC Unit with Energy Recovery.
 - b. Page 230760-2, Paragraph 2.1: REPLACE Title to read:
 - c. "2.1 FAN-COIL AIR HANDLING UNIT"
 - d. Page 230760-11, Paragraph 2.5: DELETE in its entirety.
 - e. Page 230760-15, Paragraph 3.3.A: REPLACE with the following:
 - f. "A. Coordination of control work with the BAS shall include, but not be limited to, items as described in Section 230900: ATC."

- 19) SPECIFICATION SECTION 230861, "AIR PURIFICATION SYSTEM:"
 - a. INSERT new attached Section.

- 20) SPECIFICATION SECTION 230900, "AUTOMATIC TEMPERATURE CONTROL"
 - a. Page 230900-4, Paragraph 2.5.D.2: CHANGE the word 'sensor' to 'switch'.
 - b. Page 230900-14, Paragraph 2.9.O.4: INSERT subparagraph c:
 - c. "c. Space Temperature setpoint/adjustment"
 - d. Page 230900-17, Paragraph 2.9.S.1: CHANGE "RTU-2" to "RTU-1" in first sentence.
 - e. Page 230900-18, Paragraph 2.9.S.2: DELETE in its entirety.

- 21) SPECIFICATION SECTION 260731, "WIRELESS CLOCK SYSTEM"
 - a. Page 260731-6, Paragraph 1.8: DELETE in its entirety.
 - b. Page 260731-10, Paragraph 3.9: ADD the following:
 - "3.9 SPARE EQUIPMENT
 - A. The Electrical Contractor shall furnish and install 10% of clocks with batteries, as directed by Owner. If this equipment is not installed, turn over to Owner as attic stock."*

- 22) SPECIFICATION SECTION 260740, "NETWORK CABLING SYSTEMS"
 - a. INSERT New Section attached.

- 23) SPECIFICATION SECTION 260771: REVISE to read "INTERCOM/TELECOMMUNICATIONS SYSTEM".
 - a. Page 260771-1, Paragraph 1.1.C: REMOVE "Odessa Campus Project".
 - b. Page 260771-1, Paragraph 1.2.A.4: DELETE in its entirety.
 - c. Page 260771-1, Paragraph 1.2.B: CHANGE "Digital" to "Volp".
 - d. Page 260771-2, Paragraph 1.2.E: DELETE in its entirety.
 - e. Page 260771-10, Paragraph 2.1.A: REMOVE in its entirety.

- f. Page 260771-11, Paragraph 2.2.A: CHANGE to Alcatel Lucent Omni PCX Enterprise Communications System
- g. Page 260771-11, Paragraph 2.3.A: REMOVE and REPLACE with:
 - "- Office Phones #8038
 - - Classroom Phones #8018"
- h. Page 260771-11, Paragraph 2.3, WALL PLATES AND JACKS, Paragraph A:
 - CHANGE Specifications Section to 260741.
 - REMOVE Paragraphs 1 & 2.
- i. Page 260771-11, Paragraph 2.3, CABLING: REMOVE in its entirety.
- j. Page 260771-15, Paragraph 3.6.A: OMIT "3 Classroom/Office Clocks"

24) SPECIFICATION SECTION 260930, "DIMMING CONTROLS"

- a. Page 260930-9, Paragraph 2.3.J:
 - CHANGE quantity of Panic Switches to 4
 - CHANGE quantity of Entry Stations to 3
- b. Page 260930-9, Paragraph 2.3.K.1.c: REMOVE and REPLACE "1st and 2nd" with "All"
- c. Page 260930-9, Paragraph 2.3.K.1.d: REMOVE Color "black"
- d. Page 260930-10, "First, Second and Third Electrics":
 - CHANGE Quantity of Twist Locks to 9.
 - CHANGE Quantity of Circuits to 6.
- e. Page 260930-10, Paragraph 2.3.K: DELETE and REPLACE with the following: "K. Fixtures:

1.

connector strip.

temperature black. Rated 600 volts, 660 watts continuous operation. Rated lamp seal temperatures shall not be exceeded.

provided as specified by catalog number

pipe ("U" bolts not acceptable). Each unit shall be provided with a tilt adjust knob. Optional casted carriage sets with trunions shall be provided for CVC lighting applications.

Provide the Following:

Qty.	Catalog No.	Description
12	216-046	4' Borderlight 1 circuits with Locking Connectors. Colorado batten 72 tour LED RGBWA
24	138-059	Safety cables
24	1-1/2"	Conduit clamps. Removeable

Provide all required 5 pin DMX cables to each fixture and to dimmer

board.

2.

a. Ellipsoidal Spotlights

Provide:

- 3 Etc. color source CE spot LED RGB-L, DMX XLR5, 26°
- 3 Etc. color source CE spot LED RGB-L, DMX XLR5, 36°
- 6 1-1/2" removeable conduit clamps.

board. Provide all required 5 pin DMX cables to each fixture and to dimmer

b. Par Spotlights

Provide:

- 15 Etc. color source PAR, LED RGB-L, DMX XLR5
- 15 1-1/2" removeable conduit clamps.

board. Provide all required 5 pin DMX cables to each fixture and to dimmer

3.

- e. Page 260930-18, Paragraph 2.4.S: CHANGE " 3 1/2" floppy disk" to "USB Drive".

25) SPECIFICATION SECTION 280721, "FIRE ALARM AND DETECTION SYSTEM"

- a. Page 280721-1: REMOVE highlighted text.
- b. Page 280721-1, Paragraph 1.1.H: ADD the following:
 - "H.Wiring shall be by Simplex Grinnell. Electrical Contractor owns all device boxes, conduit and pull strings to above accessible ceilings."
- c. Page 280721-4, Paragraph 2.1.A: DELETE in its entirety.
- d. Page 280721-12, Paragraph 5.3.A: DELETE and REPLACE with the following:
 - "A. The fire alarm contractor shall furnish and install 10% in any combination of fire alarm devices selected by Owner, including but not limited to smoke and heat detectors, speaker/strobes, and pull stations. If these devices are not installed, turn over to owner as attic stock."

26) SPECIFICATION SECTION 280725, "INTRUSION DETECTION SYSTEM:"

- a. DELETE and REPLACE with the attached Section 280725, "INTRUSION SYSTEM".

- 27) SPECIFICATION SECTION 280727, "INTEGRATED ACCESS CONTROL & SECURITY MANAGEMENT SYSTEM"
- a. All Pages: CHANGE Section number in Footer to match section.
 - b. Page 280727-16, Paragraph 3.9: ADD the following:
 - "3.9 SPARE EQUIPMENT
 - A. This Contractor shall provide the district two-hundred (200) additional programmable security cards, in addition to the required project amount, as attic stock."
- 28) SPECIFICATION SECTION 280728, "CCTV – NETWORK DIGITAL VIDEO MANAGEMENT SYSTEM"
- a. INSERT New Section attached.
- 29) SECTION 320523 – CEMENT AND CONCRETE FOR EXTERIOR IMPROVEMENTS
Page 320523-2, Add Part 2.1.A.3: "Concrete shall be 'Whitehall Mix' by Bear Concrete, unless otherwise noted on the plans."
- 30) SECTION 321613 –CONCRETE CURB
Page 321613-1, Add Part 2.1.A.3: "Concrete shall be 'Whitehall Mix' by Bear Concrete, unless otherwise noted on the plans."

MODIFICATIONS TO DRAWINGS:

- 1) DRAWING CT503 – ENTRANCE/EXIT PLAN DETAILS AND NOTES
 - a. Remove General Note #38. (This callout was removed as required for regulatory agency approval; however, the contractor is still required to use the "Whitehall Mix" for all curb and sidewalk shown on the Entrance Plan as indicated in the Site Construction Plan and in SECTION 320523 - CEMENT AND CONCRETE FOR EXTERIOR IMPROVEMENTS and SECTION 320523 - CONCRETE CURB of the Specifications.)
 - b. Replace the "WHITEHALL MIX, BY BEAR CONCRETE, 4,000 PSI" callout shown in the Sidewalk Detail with "CONCRETE". (This callout was revised as required for regulatory agency approval; however, the contractor is still required to use the "Whitehall Mix" for all curb and sidewalk shown on the Entrance Plan as indicated in the Site Construction Plan and in SECTION 320523 - CEMENT AND CONCRETE FOR EXTERIOR IMPROVEMENTS and SECTION 320523 - CONCRETE CURB of the Specifications.)
- 2) DRAWING CS001 – CONSTRUCTION ENTRANCE PRE-CONSTRUCTION SITE STORMWATER MANAGEMENT PLAN
 - a. Add drawing CS001 (Sheet 1 of 1) to the bid documents. The plan calls for an additional construction entrance road for access to the site.

- 3) All Drawings Sheets A6.1 – A6.6 - Revise GENERAL NOTES – BUILDING AND WALL SECTIONS note 1 to read ,"**1. PROJECT DATUM ELEVATION 100'-0" = 65.67'.**"
- 4) DRAWING A4.3 – ROOF DETAILS - Revise Detail 8/A4.3 to show Baluster Base. Refer to sketch SK-A-001.
- 5) DRAWING G0.1 – COVER SHEET - Add Civil drawing **CS001 – SEDIMENT AND STORMWATER MANAGEMENT PLAN – CONSTRUCTION ENTRANCE – PRE-CONSTRUCTION SITE STORMWATER MANAGEMENT PLAN.**
- 6) DRAWING A5.5 – PARTIAL EXTERIOR ELEVATIONS AND TYPICAL QUOIN LAYOUT –
 - a. Revise PARTIAL EAST ELEVATION 2/A5.5 to show Exterior Acoustic Absorber Panels. Refer to sketch SK-A-002.
 - b. Revise PARTIAL EAST ELEVATION 3/A5.5 to show Thru-Wall Step Flashing. Refer to sketch SK-A-003.
- 7) DRAWING A8.1 – DOOR AND FRAME TYPES AND WINDOW TYPES - Revise GENERAL NOTES – DOOR AND DOOR FRAMES note 3 to read,"**3. REFER TO SHEET A3.8 DOOR SCHEDULE FOR HEAD AND JAMB DETAIL REFERENCES.**"
- 8) DRAWING A9.9 – ENLARGED PLANS AND INTERIOR ELEVATIONS – CORRIDORS AND LOBBIES - Revise Details 13, 14, and 15/A9.9 titles to read, "**ELEVATION – ALTERNATE NO. 7.**"
- 9) DRAWING A9.10 – FOLDING PARTITION TYPES AND DETAILS - Revise Folding partition types FP-2, FP-3, and FP-4. Refer to sketches SK-A-004, SK-A-005 and SK-A-006.
- 10) DRAWING S2.2 - Revise the foundation plan to continue the footing per 5/S3.1 under the entire length of the firewall per sketch SK-S-001.
- 11) DRAWING S2.2 - Revise the footing schedule to revise F12.0x6.0 to be 12'-0" x 6'-0" x 2'-2". Reinforcing shown for this type of footing only shall be both top and bottom reinforcing.
- 12) DRAWING S2.6 - Add section cut 20/S4.2 per sketch SK-S-002.
- 13) DRAWING S2.8 - Revise the section cuts along line B3 and B6 between lines BD and BE to be 14/S4.3
- 14) DRAWING S2.9 - Add SP diagram to the sheet per sketch SK-S-007. This diagram shall apply only to the joist directly above the folding partition shown on this sheet.

- 15) DRAWING S3.2 - Delete the reference to a foundation drain in section 1/S3.2. The filter fabric and stone drainage fill remain.
- 16) DRAWING S4.1 - Revise section 14/S4.1 per sketch SK-S-008.
- 17) DRAWING S4.2 - Revise section 10 and 10A/S4.2 to move bond beam down to the course below beam bearing.
- 18) DRAWING S4.2 - Add section 20/S4.2 per sketch SK-S-003.
- 19) DRAWING S4.3 - Revise bent plate in section 2/S4.3 to be 9" x 4" x ½".
- 20) DRAWING S4.3 - Add section 14/S4.3 per sketch SK-S-004.
- 21) DRAWING S4.3 - Revise section 5/S4.3 per sketch SK-S-009 to include bent plate as shown.
- 22) DRAWING S5.2 - Add dimension to the braced frame elevation 2/S5.2 and section 7/S5.2 showing the offset brace dimension of 1'-6" per sketch SK-S-010.
- 23) DRAWING S6.1 - Revise the lintel schedule per sketch SK-S-011.
- 24) DRAWING S6.1 - Add typical details 15 and 16 on S6.1 per sketches SK-S-005 and SK-S-006 for cornice return support details. Reference the architectural drawings for locations of the returns. The tubes shown are intended to be at the ends of each of the cornice returns, with the metal studs spanning between the main roof overhang and these tubes.
- 25) Drawing M3.1, PARTIAL FIRST FLOOR DUCTWORK PLAN – AREA "A"
 - a. CHANGE Finned Tube Radiation Identifications from "FTR" to "FT".
 - b. ADD the following Equipment Identifications:
 - Room A101 – FCU/A1.7
 - Room A102 – FCU/A1.8
 - Room A106 – FCU/A1.12
- 26) Drawing M3.2, PARTIAL FIRST FLOOR DUCTWORK PLAN – AREA "B"
 - a. REVISE work in Lobby B128. Base Bid and Alternate Bid were switched.
 - b. CHANGE duct coil identifications from "DH" to "DC" (Administration Area) to match schedule.
- 27) Drawing M3.4, PARTIAL SECOND FLOOR DUCTWORK PLAN – AREA "A"
 - a. CHANGE Finned Tube Radiation Identification from "FTR" to "FT".

- 28) Drawing M3.5, PARTIAL SECOND FLOOR DUCTWORK PLAN – AREA “B”
 - a. CHANGE Finned Tube Radiation Identification from “FTR” to “FT”.
- 29) Drawing M3.6, PARTIAL FIRST FLOOR PIPING PLAN – AREA “A”
 - a. RELOCATE T-stat in Commons A130 and Commons A116 north, plan view, on same wall to nearest space between marker walls.
 - b. CHANGE Finned Tube Radiation Identification from “FTR” to “FT”.
- 30) Drawing M3.7, PARTIAL FIRST FLOOR PIPING PLAN – AREA “B”
 - a. RELOCATE T-stat in Reception B115 to side wall shared with Principal B112.
 - b. RELOCATE T-stat in Vestibule B120 to side wall shared with Reception B115.
 - c. CHANGE duct coil identifications from “DH” to “DC” (Administration Area) to match schedule.
- 31) Drawing M3.9, PARTIAL SECOND FLOOR PIPING PLAN – AREA “A”
 - a. RELOCATE T-stat in Commons A230 and Commons A216 north, plan view, on same wall to nearest space between marker walls.
 - b. CHANGE Finned Tube Radiation Identification from “FTR” to “FT”.
- 32) Drawing M3.10, PARTIAL SECOND FLOOR PIPING PLAN – AREA “B”
 - a. RELOCATE T-stat in Commons B218 northeast, plan view, on same wall to nearest space between marker walls.
 - b. CHANGE T-stat in Quiet Room B204 to a Blank Plate Sensor.
 - c. CHANGE Finned Tube Radiation Identification from “FTR” to “FT”.
- 33) Drawing M5.1, DETAILS – MECHANICAL
 - a. DELETE Cabinet Unit Heater Detail.
 - b. ADD “WALL PENETRATION DETAIL”. Refer the attached Sketch SK-M-2.
 - c. ADD REFRIGERATION PIPING DETAIL. Refer the attached Sketch SK-M-1.
 - d. CONDENSATE DRAIN TAP DETAIL:
 - CHANGE “Cont’d on Plumbing Dwgs.” to “Cont’d on Plumbing Dwgs or to Splash Block on Roof.”
 - e. METRAFLEX EXPANSION LOOP DETAIL:
 - CHANGE “Hot Water or Chilled Water Supply/Return” to “Dual Temperature Water Supply/Return”.
 - f. CHILLER PIPING DETAIL:
 - CHANGE “Flow Switch” to “Flow Switch – DP Switch”.
- 34) Drawing M5.2, DETAILS – MECHANICAL
 - a. ADD INTAKE HOOD DETAIL. Refer the attached Sketch SK-M-3.
 - b. EXHAUST FAN MOUNTING DETAIL:
 - REVISE to read, “EXHAUST FAN MOUNTING DETAIL (EF-4 & EF-5)”
 - c. OUTDOOR AIR INTAKE DETAIL:

- CHANGE “Outdoor Air Intake” to “Outdoor Air Intake, OAI-3”.
 - d. DUAL TEMP WATER COIL 2-WAY CONTROL VALVE PIPING DETAIL:
 - DELETE “(Hot Water Supply)” and “(Hot Water Return)”
 - DELETE “Cabinet Unit Heaters, Fin Tube Radiators, and Hot Water Duct Coils” in Note 7.
 - e. REVISE COOLING TOWER PIPING DETAIL. Refer the attached Sketch SK-M-4
 - f. INLINE CENTRIFUGAL PUMP DETAIL:
 - DELETE “Drain Pan (Note 1)” and Note 1.
 - CHANGE “Note 2” to read “Note 1” and “Note 3” to read “Note 2”.
- 35) Drawing M5.3, DETAILS – MECHANICAL
- a. DELETE PRESSURIZED EXPANSION TANK DETAIL.
 - b. ADD AIR AND DIRT SEPARATOR DETAIL. Refer the attached Sketch SK-M-5.
 - c. ADD TABLE OF MINIMUM ROD DIAMETER FOR SINGLE RIGID ROD HANGERS DETAIL. Refer the attached Sketch SK-M-6.
 - d. ADD PIPING SUPPORT SPACING TABLE DETAIL. Refer the attached Sketch SK-M-6
 - e. HOT WATER DUCT COIL PIPING DETAIL:
 - CHANGE “Reheat Coil” to “Duct Coil”.
 - f. GLYCOL – WATER SYSTEM MAKE-UP PIPING DETAIL
 - CHANGE “GHS/R” to “GC/GCR”
 - CHANGE “GHS” to “GC”.
 - g. FLOOR MOUNTED PUMP PIPING DETAIL
 - CHANGE “Vibration Isolators, if Required” to “Vibration Isolators, See Inertia Pad Detail on Dwg. M5.1.”
- 36) Drawing M6.1, SCHEDULES – MECHANICAL
- a. REVISE EXPANSION TANK SCHEDULE. Refer the attached Sketch SK-M-7.
 - b. SOLIDS/AIR SEPARATOR SCHEDULE
 - CHANGE “Pipe Size To Tank” to “System Pipe Size”.
 - CHANGE “1.1 FT HD” for SAS-1 to “1.2 FT HD”.
 - CHANGE “1 in. Cold Water Fill Size” for SAS-2 to “-”.
- 37) Drawing E3.1, PARTIAL FIRST FLOOR LIGHTING PLAN – AREA “A”
- a. RELOCATE Switches in Commons Area. Refer the attached Sketches SK-E-1 and SK-E-2.
- 38) Drawing E3.2, PARTIAL FIRST FLOOR LIGHTING PLAN – AREA “B”
- a. Room B106
 - ADD “B” Fixture. Refer the attached Sketch SK-E-3
 - CHANGE switch control to 3-way. Refer the attached Sketch SK-E-3
 - b. Room B117 – CHANGE switch control to 3-way. Refer the attached Sketch SK-E-3.
 - c. Room B128 – ADD Alternate Lighting Layout. Refer the attached Sketch SK-E-4.

- 39) Drawing E3.4, PARTIAL SECOND FLOOR LIGHTING PLAN – AREA “A”
 - a. RELOCATE switches in Commons Area. Refer the attached Sketches SK-E-5 and SK-E-6.
 - b. ADD circuiting in A224. Refer the attached Sketch SK-E-7.
- 40) Drawing E3.5, PARTIAL SECOND FLOOR LIGHTING PLAN – AREA “A”
 - a. Room B204
 - MOVE switch control outside of room. Refer the attached Sketch SK-E-8.
 - RELOCATE switches in Commons Area. Refer the attached Sketch SK-E-9.
- 41) Drawing E3.6, PARTIAL FIRST FLOOR POWER PLAN – AREA “A”
 - a. ADD Handsets to Commons Area. Refer the attached Sketches SK-E-10 and SK-E-11
 - b. ADD data to Classrooms. Refer the attached Sketches SK-E-12 and SK-E-13.
- 42) Drawing E3.7, PARTIAL FIRST FLOOR POWER PLAN – AREA “B”
 - a. REVISE outlet locations. Refer the attached Sketch SK-E-15.
 - b. ADD 208/120V circuit for copier. Refer the attached Sketches SK-E-14 and SK-E-16.
- 43) Drawing E3.9, PARTIAL SECOND FLOOR POWER PLAN – AREA “A”
 - a. ADD data to Classrooms. Refer the attached Sketches SK-E-17, SK-E-18, SK-E-19, AND SK-E-20.
- 44) Drawing E3.10, PARTIAL SECOND FLOOR POWER PLAN – AREA “B”
 - a. REVISE location of device in B218. Refer the attached Sketch SK-E-21.
 - b. ADD data to Classrooms. Refer the attached Sketches SK-E-22, SK-23, and SK-E-24.
- 45) Drawing E4.1, OVERALL & GYM ELECTRICAL ROOF PLAN
 - a. ADD panel and circuit to Roof Rec. Refer the attached Sketch SK-E-25.
- 46) Drawing E5.1, DETAILS – ELECTRICAL
 - a. REVISE typical classroom sound/video Single Line Diagram and Communications Outlet Configuration. Refer the attached Sketches SK-E-26 and SK-E-27.
- 47) Drawing E5.2, DETAILS – ELECTRICAL
 - a. REVISE as to not refer to Drawing E6.2 for Mechanical Equipment. Refer the attached Sketch SK-E-28.
- 48) Drawing E6.1, SCHEDULES – ELECTRICAL
 - a. REVISED FIXTURE SCHEDULE Notes and Types “C”. Refer the attached Sketch SK-E-29.
 - b. REVISE GENERAL SPECIAL SYSTEMS notes. Refer the attached Sketch SK-E-30.

- 49) Drawing E6.2, SCHEDULES – ELECTRICAL
 - a. MECHANICAL EQUIPMENT SCHEDULE
 - ADD pump. Refer the attached Sketch SK-E-31.
 - ADD Note 11. Refer the attached Sketch SK-E-31.

- 50) Drawing E6.4, PANEL SCHEDULES – ELECTRICAL
 - a. ADD circuit to PANEL SCHEDULE for Pump. Refer the attached Sketch SK-E-32.

End of Addendum No. 1

All other terms and conditions remain the same.