

ADDENDUM NO. 1

**RED CLAY CONSOLIDATED SCHOOL DISTRICT
WILLIAM F. COOKE, JR ELEMENTARY SCHOOL**
2025 Graves Road, Hockessin, DE 19707

**THE WHITING-TURNER CONTRACTING COMPANY
CONSTRUCTION MANAGER**
131 Continental Drive – Suite 404
Newark, DE 19713
302-292-0676 (phone)
302-292-0683 (fax)

BIDS DUE: AUGUST 7, 2013 at 2:00 PM – NOTE CHANGE

**LOCATION: Conrad Schools of Science, Auditorium
201 Jackson Avenue
Wilmington, DE 19804**

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 July 24, 2013 at 2:00pm.
- 1.5 A **mandatory** pre-bid meeting was held on July 9, 2013 at Conrad Schools of Science Auditorium.
 - 1.5.1 Pre-Bid Meeting Minutes dated July 10, 2013 are attached to this addendum.
 - 1.5.2 Pre-Bid Sign-in Sheets are attached to this addendum.
- 1.6 CAD files will not be provided for bidding purposes. CAD files will be available for purchase as requested to awarded contractors.
- 1.7 The individual bid package 2-13-67-09E Epoxy Flooring has been deleted.
- 1.8 The individual bid package 2-13-67-14A Elevator has been deleted.

2.0 CHANGES TO THE PROJECT MANUAL

2.1 TABLE OF CONTENTS

2.1.1 Page 1 of 6, DIVISION 00 – CONTRACT REQUIREMENTS, SECTION 003132 GEOTECHNICAL REPORTS – DELETE following items:
 “ADDITIONAL HAND AUGER BORING REPORT BY HILLIS- CARNES ENGINEERING (Date.....)” and “PAVEMENT CORING REPORT BY HILLIS-CARNES ENGINEERIG (Date)”.

2.2 Section 004000 – Bid Form – Kitchen Equipment

2.2.1 Specific Bid Form has been revised and is attached to this addendum. This latest bid form must be used for specific bid package.

2.3 Section 004000 – Bid Form – Mechanical

2.3.1 Specific Bid Form has been revised and is attached to this addendum. This latest bid form must be used for specific bid package.

2.4 Section 00435 – List of Subcontractors or Material Suppliers

2.4.1 Revised specification section is attached to this addendum.

2.5 SECTION 012300 ALTERNATES

2.5.1 Paragraph 3.1.H Alternate No. 8: Terrazzo at Main Lobby A100, Corridor A100C and C100A, ADD item 3: Alternate 8A: Delete resilient quartz tile flooring at Lobby A100, Corridor A100C and Stair C100A. Provide solid color stained concrete floor.

2.6 SECTION 064023 INTERIOR ARCHITECTURAL WOODWORK is provided for millwork indicated on Drawings A404, A405 and A406.

2.7 SECTION 087100 DOOR HARDWARE

2.7.1 REVISE Hardware Set No. 327 to revise set for in swinging door as follows:
 Hardware Set No. 327
 For use of door #(s):
 C116A/1
 Provide each SGL door(s) with the following:

Qty		Description	Catalog Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	STOREROOM LOCK	L9080T 17A	626	SCH
1	EA	FSIC CORE	23-030	626	SCH
1	EA	SURFACE CLOSER	4041 DEL TBSRT	689	LCN
1	EA	KICK PLATE	8400 16" X 1" LDW	630	IVE
1	SET	SEALS	^{PAF} 5020B	BRN	NGP

2.7.2 REVISE Hardware Set No. 109 to include fire rated hardware as follows:
 Hardware Set No. 109
 For use of door #(s):
 C110/1
 Provide each PR door(s) with the following:

Qty		Description	Catalog Number	Finish	Mfr
2	EA	CONT. HINGE	224HD	628	IVE
1	EA	KEYED FIRE RATED REMOVABLE	KR9954-STAB	689	VO N
1	EA	FIRE EXIT	98-EO-F	626	VO
1	EA	RIM CYLINDER	20-057-ICX	626	SCH
1	EA	MORTISE CYLINDER	20-061-ICX	626	SCH
2	EA	PRIMUS CORE	20-740	626	SCH
1	EA	DOOR PULL	VR910 NL	630	IVE
2	EA	SURFACE CLOSER	4040XP SCUSH TBSRT	689	LCN
2	EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
1	SET	SEALS	5050B	BRN	NGP
1	SET	ASTRAGAL	140PA	CL	NGP
1	EA	MULLION SEAL	5100	BLK	NGP
2	EA	DOOR SWEEP	C627A	CL	NGP
1	EA	THRESHOLD	896S	AL	NGP
2	EA	DOOR CONTACT	679-05HM	BLK	SCE

DOOR OPERATION: Door position switch to be connected to access control system for monitoring.

2.8 SECTION 0984113 FABRIC-WRAPPED ACOUSTICAL PANELS

2.8.1 Paragraph 2.2, ADD subparagraph 2.2.B as follows:

B. Fabric-wrapped Custom Graphic Acoustic Wall System (AWP-2) in Corridor C101C and Corridor C101D.

1. Basis-of-Design: Noise S.T.O.P. Custom Graphic Acoustic Wall Systems by Acoustical Surfaces, Inc. or comparable product by one of the following:

- a. CONWED Designscape, Div. of Owen's Corning.
- b. Wenger Corporation.
- c. Golterman & Sabo.

2. Type: Decorative.

3. Thickness: 1".

4. Size: 4' x 4' with hardened edges. All edges shall be wrapped.

5. Quantity: 8.

6. Flammability: ASTM E-84, Class 1-A, Nonflammable.

7. Graphics: Custom. To be provided by Owner. Full range of color per panel.

8. Mounting Accessories: Manufacturer's standard or recommended accessories for securely mounting panels to substrates.

- a. Mounting: Z-Clips.

2.9 SECTION 104200 PLAQUES

2.9.1 ADD Plaque Layout to end of Section 104200.

2.10 SECTION 123280 MEDIA SHELVING AND CASEWORK

2.10.1 Paragraph 2.1.A, ADD items 4 and 5 as follows:

4. Estey, A Division of Tennsco Corp.
5. Palmeiri Furniture.

- 2.11 SECTION 230923 DIRECT DIGITAL CONTROL SYSTEM FOR HVAC
 - 2.11.1 REPLACE Section 230923 with Section issued in this addendum. Reissued section clarifies the scope of work for the pre-purchased control system and requirements for the VRF system and interface.
- 2.12 SECTION 230993 SEQUENCE OF OPERATIONS FOR HVAC CONTROLS
 - 2.12.1 REPLACE Section 230993 with Section issued in this addendum. Reissued section clarifies the scope of work for the pre-purchased control system and requirements for the VRF system and interface.
- 2.13 SECTION 237223 PACKAGED AIR-TO-AIR ENERGY RECOVERY UNITS
 - 2.13.1 REPLACE Section 237223 with Section issued in this addendum. Reissued section clarifies manufacturer and selected options for the units.
- 2.14 SECTION 238129 VARIABLE REFRIGERANT VOLUME (VRV, VRF) HVC SYSTEM
 - 2.14.1 REPLACE Section 238129 with Section issued in this addendum. Reissued section clarifies the scope of work for the pre-purchased control system and requirements for the VRF system and interface.
- 3.0 CHANGES TO THE DRAWINGS:
 - 3.1 DRAWING G001 Cover Sheet – Volume 1
 - 3.1.1 DELETE drawing “C102 Existing Conditions and Demolition Plans from drawing list.
 - 3.1.2 ADD drawing “S100A Structural Notes” to drawing list.
 - 3.2 DRAWING G002 Cover Sheet – Volume 2
 - 3.2.1 ADD drawing “E800 Electrical Grounding Plan” to drawing list.
 - 3.2.2 ADD drawing “T201 Technology Details” to drawing list.
 - 3.2.3 DELETE drawing MP102C Refrigerant Piping and Condensate First Floor Upper Level & Roof Plan – Area C”
 - 3.3 DRAWING G101 First Floor and Second Floor Life Safety Plan
 - 3.3.1 DELETE code references listed under “Applicable Codes” and “REPLACE” with the following:
 - 3.3.1.1 2006 International Building Code (IBC)
 - 3.3.1.2 2009 ICC/ANSI A117.1 Accessible and Useable Buildings and Facilities
 - 3.3.1.3 2009 International Energy Conservation Code
 - 3.3.1.4 2009 International Mechanical Code
 - 3.3.1.5 2009 International Plumbing Code
 - 3.3.1.6 2010 ADA Standard for Accessible Design
 - 3.3.1.7 2012 Delaware State Fire Prevention Regulations
 - 3.3.1.8 2012 NFPA 101 Life Safety Code (NFPA)
 - 3.3.2 DELETE code reference in Building Component Fire Rating Schedule - “NFPA 5000 – 7.2.3.2.8” and REPLACE with “Table A.8.2.1.2”
 - 3.3.3 DELETE code references in Minimum Interior Finish Requirements “39.3.3.2(1)” and REPLACE with “14.3.3.2(1)”
 - 3.3.4 DELETE code references in Minimum Interior Finish Requirements “39.3.3.2(2)” and REPLACE with “14.3.3.2(2)”

- 3.3.5 DELETE code references in Minimum Interior Finish Requirements “39.3.3.2(C)” and REPLACE with “14.3.3.2(2)”

- 3.4 DRAWING C-300 UTILITY COVER SHEET
 - 3.4.1 REPLACE Drawings C300 with drawing issued in this addendum.
 - 3.4.2 REVISED “Total Number of Manholes” from 10 to 11 in the Sewer Detail Table on sheet C-300.
 - 3.4.3 ADD new manhole and label (new San. M.H. 5) at southwest corner of property where sanitary sewer system enters from the adjacent property.
 - 3.4.4 Manholes previously labeled as San. M.H. 5 through San M.H. 10 have been renumbered to San. M.H. 6 through San. M.H. 11.

- 3.5 DRAWING C-301 UTILITY PLAN
 - 3.5.1 REPLACE Drawings C301 with drawing issued in this addendum.
 - 3.5.2 Manholes previously labeled as San. M.H. 7 through San M.H. 10 have been renumbered to San. M.H. 8 through San. M.H. 11.
 - 3.5.3 Previously labeled pipes SS-8 through SS-10 have been renumbered as SS-9 through SS-11.
 - 3.5.4 Note S-4 and S-7 revised to read “The system shall be public up to manhole no. 5. Manhole no.'s 1 - 5 shall have N.C.C. standard manhole frame and cover. All others shall have manhole frame and cover for private system”
 - 3.5.5 Note S-5 is revised from “precast concrete grease interceptor” to “stainless steel grease interceptor” and added “with 12”x18”x120” concrete dead man anchors and straps per details, sheet C-902”.
 - 3.5.6 Updated Sanitary Sewer Manhole Schedule and Sanitary Sewer Pipe Schedule for the revisions shown above.

- 3.6 DRAWING C-302 UTILITY PLAN
 - 3.6.1 REPLACE Drawings C302 with drawing issued in this addendum.
 - 3.6.2 ADD new manhole and label (new San. M.H. 5) at southwest corner of property where sanitary sewer system enters from the adjacent property.
 - 3.6.3 Manholes previously labeled as San. M.H. 5 through San M.H. 10 have been renumbered to San. M.H. 6 through San. M.H. 11.
 - 3.6.4 Previously labeled pipes SS-5 through SS-8 have been renumbered as SS-6 through SS-9.
 - 3.6.5 Note S-4 and S-7 revised to read “The system shall be public up to manhole no. 5. Manhole no.'s 1 - 5 shall have N.C.C. standard manhole frame and cover. All others shall have manhole frame and cover for private system”
 - 3.6.6 Note S-5 is revised from “precast concrete grease interceptor” to “stainless steel grease interceptor” and added “with 12”x18”x120” concrete dead man anchors and straps per details, sheet C-902”.
 - 3.6.7 Updated Sanitary Sewer Manhole Schedule and Sanitary Sewer Pipe Schedule for the revisions shown above

- 3.7 DRAWING C-303 OFF-SITE UTILITY PLAN
 - 3.7.1 REPLACE Drawings C303 with drawing issued in this addendum.
 - 3.7.2 Added new manhole and label (new San. M.H. 5) at southwest corner of property where sanitary sewer system enters from the adjacent property.
 - 3.7.3 Manhole previously labeled as San. M.H. 5 has been renumbered to San. M.H. 6.

- 3.7.4 Sanitary Sewer Pipe previously labeled as SS-5 has now been bisected by new manhole #5 creating new pipe SS-5 and SS-6.
- 3.7.5 Note S-4 and S-7 revised to read “The system shall be public up to manhole no. 5. Manhole no.'s 1 - 5 shall have N.C.C. standard manhole frame and cover. All others shall have manhole frame and cover for private system”
- 3.7.6 Note S-5 is revised from “precast concrete grease interceptor” to “stainless steel grease interceptor” and added “with 12”x18”x120” concrete dead man anchors and straps per details, sheet C-902”.
- 3.7.7 Updated Sanitary Sewer Manhole Schedule and Sanitary Sewer Pipe Schedule for the revisions shown above.

- 3.8 DRAWING C-401 GRADING PLAN
 - 3.8.1 ADD new manhole (new San. M.H. 5) at southwest corner of property where sanitary sewer system enters from the adjacent property. – See sketch CSK-001.

- 3.9 DRAWING C-502 SEDIMENT AND STORMWATER MANAGEMENT PLAN
 - 3.9.1 ADD new manhole (new San. M.H. 5) at southwest corner of property where sanitary sewer system enters from the adjacent property. – See sketch CSK-002.

- 3.10 DRAWING C-701 SANITARY SEWER PROFILE
 - 3.10.1 REPLACE Drawings C701 with drawing issued in this addendum.
 - 3.10.2 Add new manhole and label (new San. M.H. 5) in profile.
 - 3.10.3 Manholes previously labeled as San. M.H. 5 and San. M.H. 6 have been renumbered to San. M.H. 6 and San. M.H. 7.
 - 3.10.4 Sanitary Sewer Pipe previously labeled as SS-5 has now been bisected by new manhole #5 creating new pipe SS-5 and SS-6. Previously labeled pipe SS-6 has been renumbered as SS-7.

- 3.11 DRAWING C-702 SANITARY SEWER PROFILE
 - 3.11.1 REPLACE Drawings C702 with drawing issued in this addendum.
 - 3.11.2 Manholes previously labeled as San. M.H. 6 through San. M.H. 10 have been renumbered to San. M.H. 7 through San. M.H. 11.
 - 3.11.3 Previously labeled pipes SS-7 through SS-10 have been renumbered as SS-8 through SS-11.
 - 3.11.4 Added Lateral 2 in cross section of San. M.H. 10 (as relabeled, previously M.H. 9) in Sanitary Sewer Profile – Station 8+75 to 13+02.28.

- 3.12 DRAWING C-902 SEWER CONSTRUCTION DETAILS
 - 3.12.1 REPLACE Drawings C902 with drawing issued in this addendum.
 - 3.12.2 Added Grease Interceptor Buoyancy Calculations.
 - 3.12.3 Added concrete deadman and strap details/information.

- 3.13 DRAWING S101A FOUNDATION & SLAB PLAN – AREA A
 - 3.13.1 DELETE note “Recess Slab for Walk Off Mat” at vestibule slab – 2 locations.
Clarification: No slab recess required.

- 3.14 DRAWING S101B FOUNDATION & SLAB PLAN – AREA B
 - 3.14.1 DELETE note “Recess Slab for Walk Off Mat” at vestibule slab – 1 location.
Clarification: No slab recess required.

- 3.15 DRAWING S101C FOUNDATION & SLAB PLAN – AREA C

- 3.15.1 DELETE note “Recess Slab for Walk Off Mat” at vestibule slab – 1 location.
No slab recess required.

- 3.16 DRAWING A106D FIRST FLOOR REFLECTED CEILING PLAN – AREA D
 - 3.16.1 REPLACE Drawings A106D with drawing issued in this addendum.
 - 3.16.2 ADD ACT-2 and Light Fixtures (see electrical) at Room D110 THIRD GRADE.

- 3.17 DRAWING SERIES A108 AND A109 FLOOR PATTERN AND CASEWORK PLAN
 - 3.17.1 GENERAL CASEWORK NOTES, Note 1, REVISE “A108F” to “A108C”.

- 3.18 DRAWING A108C FIRST FLOOR PATTERN AND CASEWORK PLAN – AREA C
 - 3.18.1 REPLACE Drawing A108C with drawing issued in this addendum. Reissued drawing revises casework designations at MEDIA CENTER A115.
 - 3.18.2 Corridor C100B and Corridor C100C, ADD (8) 4’ high x 4’ wide graphic panels, Type AWP-2.

- 3.19 DRAWING A108D FIRST FLOOR PATTERN AND CASEWORK PLAN – AREA D
 - 3.19.1 REPLACE Drawing A108D with drawing issued in this addendum. REVISE floor pattern.

- 3.20 DRAWING A110 ALTERNATE 1 – MULTI PURPOSE ROOM
 - 3.20.1 CHANGE ceiling type at Toilet A120A to ACT-3

- 3.21 DRAWING A306 WALL SECTIONS
 - 3.21.1 Detail 1/A306, DELETE recessed entrance grille and slab depression.
 - 3.21.2 Detail 3/A306, DELETE recessed entrance grille and slab depression.

- 3.22 DRAWING A401 ENLARGED TOILET, STAIR, AND RAMP PLANS AND SECTIONS
 - 3.22.1 REPLACE Drawing A401 with drawing issued in this addendum. REMOVE floor shading on the following details: (3,7,9,11,12,14,17,18)

- 3.23 DRAWING A402 ENLARGED ELEVATOR, STAIR, AND RAMP PLANS AND SECTIONS
 - 3.23.1 REPLACE Drawing A402 with drawing issued in this addendum. REMOVE floor shading on the following details (4&5). REMOVE section references from detail 7.

- 3.24 DRAWING A403 ENLARGED PLAN AND SECTION OF RAMPS
 - 3.24.1 REPLACE Drawing A403 with drawing issued in this addendum. REMOVE floor shading on the following details (1, 2, &4).

- 3.25 DRAWING A601 FINISH SCHEDULE AND LEGEND, CASEWORK SCHEDULE
 - 3.25.1 REPLACE Drawing A601 with drawing issued in this addendum. Reissued drawing revises Casework Schedule, provides readable Acoustical Wall Panel Schedule
 - 3.25.2 REVISE Finish Schedule Ceiling Materials to match Reflected Ceiling Plan, Finish Schedule Legend, Ceiling Plan Legend, and specifications.
 - 3.25.3 REVISE Finish Schedule Legend as follows:
 - 3.25.3.11. ACT-1: 2x2 Acoustical Ceiling Tile
 - 3.25.3.22. ACT-2: 2x4 Acoustical Ceiling Tile

- 3.26 DRAWING A603 DOOR SCHEDULE AND DOOR, LOUVER, AND H.M. FRAME TYPES
 - 3.26.1 DELETE “45 MIN” fire rating from the following doors: A106/1; A111/1; A113B/1; A117/1
 - 3.26.2 Door Schedule, Door C116A/1, ADD Hardware Set No. 327.

- 3.27 DRAWING M101A FIRST FLOOR MECHANICAL PLAN – AREA A
 - 3.27.1 REPLACE drawing M101A with drawing issued in this addendum. Reissued drawing revises motor-operated damper requirements at each fan-coil and blower-coil unit.

- 3.28 DRAWING M101B FIRST FLOOR MECHANICAL PLAN – AREA B
 - 3.28.1 REPLACE drawing M101B with drawing issued in this addendum. Reissued drawing revises motor-operated damper requirements at each fan-coil and blower-coil unit.

- 3.29 DRAWING M101C FIRST FLOOR MECHANICAL PLAN – AREA C
 - 3.29.1 REPLACE drawing M101C with drawing issued in this addendum. Reissued drawing revises motor-operated damper requirements at each fan-coil and blower-coil unit and indicates location of VRF central controllers.

- 3.30 DRAWING M101D FIRST FLOOR MECHANICAL PLAN – AREA D
 - 3.30.1 REPLACE drawing M101D with drawing issued in this addendum. Reissued drawing revises motor-operated damper requirements at each fan-coil and blower-coil unit.

- 3.31 DRAWING M102D SECOND FLOOR MECHANICAL PLAN – AREA D
 - 3.31.1 REPLACE drawing M102D with drawing issued in this addendum. Reissued drawing revises motor-operated damper requirements at each fan-coil and blower-coil unit.

- 4.0 ATTACHMENTS
 - 4.1.1 Section 004000 – Bid Form – Flooring
 - 4.1.2 Section 004000 – Bid Form – Kitchen Equipment
 - 4.1.3 Section 004000 – Bid Form – Mechanical
 - 4.1.4 Section 004350 – List of Subcontractors or Material Suppliers
 - 4.1.5 Section 011200-09C Specific Scope of Work Flooring
 - 4.1.6 Section 011200-23A Specific Scope of Work Mechanical
 - 4.1.7 SECTION 104200 PLAQUE LAYOUT
 - 4.1.8 SECTION 230923 DIRECT DIGITAL CONTROL SYSTEM FOR HVAC
 - 4.1.9 SECTION 230993 SEQUENCE OF OPERATIONS FOR HVAC CONTROLS
 - 4.1.10 SECTION 237223 PACKAGED AIR-TO-AIR ENERGY RECOVERY UNITS
 - 4.1.11 SECTION 238129 VARIABLE REFRIGERANT VOLUME (VRV, VRF) HVC SYSTEM
 - 4.1.12 DRAWING C-300 UTILITY COVER SHEET
 - 4.1.13 DRAWING C-301 UTILITY PLAN
 - 4.1.14 DRAWING C-302 UTILITY PLAN
 - 4.1.15 DRAWING C-303 OFF-SITE UTILITY PLAN
 - 4.1.16 DRAWING C-701 SANITARY SEWER PROFILE

- 4.1.17 DRAWING C-702 SANITARY SEWER PROFILE
- 4.1.18 DRAWING C-902 SEWER CONSTRUCTION DETAILS
- 4.1.19 DRAWING A106D FIRST FLOOR REFLECTED CEILING PLAN – AREA D
- 4.1.20 DRAWING A108C FIRST FLOOR PATTERN AND CASEWORK PLAN – AREA
- 4.1.21 DRAWING A108D FIRST FLOOR PATTERN AND CASEWORK PLAN – AREA D
- 4.1.22 DRAWING A401 ENLARGED TOILET, STAIR, AND RAMP PLANS AND SECTIONS
- 4.1.23 DRAWING A402 ENLARGED ELEVATOR, STAIR, AND RAMP PLANS AND SECTIONS
- 4.1.24 DRAWING A403 ENLARGED PLAN AND SECTION OF RAMPS
- 4.1.25 DRAWING A601 FINISH SCHEDULE AND LEGEND, CASEWORK SCHEDULE
- 4.1.26 DRAWING M101A FIRST FLOOR MECHANICAL PLAN – AREA A
- 4.1.27 DRAWING M101B FIRST FLOOR MECHANICAL PLAN – AREA B
- 4.1.28 DRAWING M101C FIRST FLOOR MECHANICAL PLAN – AREA C
- 4.1.29 DRAWING M101D FIRST FLOOR MECHANICAL PLAN – AREA D
- 4.1.30 DRAWING M102D SECOND FLOOR MECHANICAL PLAN – AREA D
- 4.1.31 CSK-001
- 4.1.32 CSK-002
- 4.1.33 Pre-Bid Meeting Minutes dated July 9, 2013
- 4.1.34 Pre-Bid Meeting Sign-In Sheets dated July 9, 2013

END OF ADDENDUM NO. 01

SECTION 004000 – BID FORM

For Bids Due: August 1, 2013

To: Red Clay Consolidated School District
1502 Spruce Avenue
Wilmington, DE 19805

Bid Package: 2-13-67-09C – 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 himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

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”

ALTERNATE NO. 1A: Provide Multi-Purpose Room. Provide construction for multi-purpose room as indicated on A110 series drawings, all disciplines.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 1B: Provide quartz tile flooring in Multi-Purpose Room in lieu of VCT flooring.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 1C: Provide rubber tile flooring in Multi-Purpose Room in lieu of VCT flooring.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 2A: Provide Second Floor Flex Space. Provide construction for second floor flex space in area framed by column lines D2 to D6 and DF to DJ as indicated on A111 series drawings, all disciplines.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 2B: Provide quartz tile flooring in second floor flex space in lieu of VCT flooring.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 2C: Provide rubber tile flooring in second floor flex space in lieu of VCT flooring.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 3: Provide soccer field grading and seeding and adjacent parking spaces as indicated on drawing C202 and C402.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 4: Provide Standing Seam Metal Roofing System at Gymnasium/Student Dining

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 5A: Provide quartz tile flooring in lieu of VCT flooring in corridors A100, B100, C100A, C100B, C100C, D100, C200, and D200.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 5B: Provide rubber tile flooring in lieu of VCT flooring in corridors A100, B100, C100A, C100B, C100C, D100, C200, and D200.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 6A: Provide quartz tile flooring in lieu of VCT flooring at all classrooms.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 6B: Provide rubber tile flooring in lieu of VCT flooring at all classrooms.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 7: Provide resilient athletic flooring in lieu of VCT flooring at gym C116 and student dining C114.

Add / Deduct: _____ Dollars
(\$)

ALTERNATE NO. 8: Provide terrazzo flooring with patterns in lieu of quartz tile flooring at main lobby A100 and stair C100A.

Add / Deduct: _____ Dollars
(\$)

ALTERNATE NO. 8A: Delete resilient quartz tile flooring at Lobby A100, Corridor A100C and Stair C100A. Provide solid color stained concrete floor.

Add / Deduct: _____ Dollars
(\$)

ALTERNATE NO. 9: Provide conventional sheet metal ductwork and duct insulation in lieu of KoolDuct at all concealed ductwork locations.

Add / Deduct: _____ Dollars
(\$)

ALTERNATE NO. 10: Provide LED site lighting in lieu of HID site lighting.

Add / Deduct: _____ Dollars
(\$)

ALTERNATE NO. 11: Provide interior stone veneer in lieu of interior metal panels at lobby A100 and stair C100A.

Add / Deduct: _____ Dollars
(\$)

ALTERNATE NO. 12: Provide stand-by natural gas-fired generator.

Add / Deduct: _____ Dollars
(\$)

ALTERNATE NO. 13: Provide additional visual display surfaces in classrooms.

Add / Deduct: _____ Dollars
(\$)

ALTERNATE NO. 14: Provide 3 color hues per 3 accent colors for flat metal panels type MWP-2 in lieu of 3 solid accent color flat metal panels.

Add / Deduct: _____ Dollars
(\$)

ALTERNATE NO. 15: Provide decorative glazed CMU base and concrete lockers bases in lieu of metal locker bases and plates at all lockers in corridors.

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. Not all of the blank spaces below may be required.

None.

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. Should I/We be awarded this contract, and should I/We neglect, fail or refuse to complete my/our Work within the time specified in the project schedule, then I/We do hereby agree to pay the owner as liquidated damages the sum of \$1,000 per day. Liquidated damages will be assessed if final completion date, as adjusted by the Construction Manager is not met. Liquidated damages shall apply to all trade contracts. Liquidated damages will be assessed for each day beyond the scheduled date of completion for each trade contractor's item of work. Assessment will occur upon completion of all contracts and may be incurred by one or multiple contractors determined by the Construction Manager.

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
- Bid Security (Deposit or Bid Bond)

BID FORM

Bid Package #: 2-13-67-09C – Flooring

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.

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>Resilient Flooring</u>	_____	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 Red Clay Consolidated School District.

All the terms and conditions of Bid #2-13-67 have been thoroughly examined and are understood.

NAME OF BIDDER:

**AUTHORIZED REPRESENTATIVE
(TYPED):**

**AUTHORIZED REPRESENTATIVE
(SIGNATURE):**

TITLE:

ADDRESS OF BIDDER:

PHONE NUMBER:

Sworn to and Subscribed before me this _____ day of _____ 2013

My Commission expires _____. NOTARY PUBLIC _____

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

END OF SECTION 004000

SECTION 004000 – BID FORM

For Bids Due: August 1, 2013 To: Red Clay Consolidated School District
1502 Spruce Avenue
Wilmington, DE 19805

Bid Package: 2-13-67-11A – Kitchen Equipment

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 himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

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”

ALTERNATE NO. 1A: Provide Multi-Purpose Room. Provide construction for multi-purpose room as indicated on A110 series drawings, all disciplines.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 1B: Provide quartz tile flooring in Multi-Purpose Room in lieu of VCT flooring.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 1C: Provide rubber tile flooring in Multi-Purpose Room in lieu of VCT flooring.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 2A: Provide Second Floor Flex Space. Provide construction for second floor flex space in area framed by column lines D2 to D6 and DF to DJ as indicated on A111 series drawings, all disciplines.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 2B: Provide quartz tile flooring in second floor flex space in lieu of VCT flooring.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 2C: Provide rubber tile flooring in second floor flex space in lieu of VCT flooring.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 3: Provide soccer field grading and seeding and adjacent parking spaces as indicated on drawing C202 and C402.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 4: Provide Standing Seam Metal Roofing System at Gymnasium/Student Dining

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 5A: Provide quartz tile flooring in lieu of VCT flooring in corridors A100, B100, C100A, C100B, C100C, D100, C200, and D200.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 5B: Provide rubber tile flooring in lieu of VCT flooring in corridors A100, B100, C100A, C100B, C100C, D100, C200, and D200.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 6A: Provide quartz tile flooring in lieu of VCT flooring at all classrooms.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 6B: Provide rubber tile flooring in lieu of VCT flooring at all classrooms.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 7: Provide resilient athletic flooring in lieu of VCT flooring at gym C116 and student dining C114.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 8: Provide terrazzo flooring with patterns in lieu of quartz tile flooring at main lobby A100 and stair C100A.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 9: Provide conventional sheet metal ductwork and duct insulation in lieu of KoolDuct at all concealed ductwork locations.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 10: Provide LED site lighting in lieu of HID site lighting.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 11: Provide interior stone veneer in lieu of interior metal panels at lobby A100 and stair C100A.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 12: Provide stand-by natural gas-fired generator.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 13: Provide additional visual display surfaces in classrooms.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 14: Provide 3 color hues per 3 accent colors for flat metal panels type MWP-2 in lieu of 3 solid accent color flat metal panels.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 15: Provide decorative glazed CMU base and concrete lockers bases in lieu of metal locker bases and plates at all lockers in corridors.

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. Not all of the blank spaces below may be required.

None.

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. Should I/We be awarded this contract, and should I/We neglect, fail or refuse to complete my/our Work within the time specified in the project schedule, then I/We do hereby agree to pay the owner as liquidated damages the sum of \$1,000 per day. Liquidated damages will be assessed if final completion date, as adjusted by the Construction Manager is not met. Liquidated damages shall apply to all trade contracts. Liquidated damages will be assessed for each day beyond the scheduled date of completion for each trade contractor's item of work. Assessment will occur upon completion of all contracts and may be incurred by one or multiple contractors determined by the Construction Manager.

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
- Bid Security (Deposit or Bid Bond)

BID FORM

Bid Package #: 2-13-67-11A – Kitchen Equipment

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.

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>Kitchen Equipment</u>	<u>_____</u>	City <u>_____</u> State <u>_____</u> License # <u>_____</u>
<u>Refrigeration</u>	<u>_____</u>	City <u>_____</u> State <u>_____</u> License # <u>_____</u>
<u>Hood Installer</u>	<u>_____</u>	City <u>_____</u> State <u>_____</u> License # <u>_____</u>
<u>Hood Fire Suppression Installer</u>	<u>_____</u>	City <u>_____</u> State <u>_____</u> License # <u>_____</u>

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 Red Clay Consolidated School District.

All the terms and conditions of Bid #2-13-67 have been thoroughly examined and are understood.

NAME OF BIDDER:

**AUTHORIZED REPRESENTATIVE
(TYPED):**

**AUTHORIZED REPRESENTATIVE
(SIGNATURE):**

TITLE:

ADDRESS OF BIDDER:

PHONE NUMBER:

Sworn to and Subscribed before me this _____ day of _____ 2013

My Commission expires _____. NOTARY PUBLIC _____

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

END OF SECTION 004000

SECTION 004000 – BID FORM

For Bids Due: August 1, 2013 To: Red Clay Consolidated School District
1502 Spruce Avenue
Wilmington, DE 19805

Bid Package: 2-13-67-23A – Mechanical & Plumbing

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 himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

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”

ALTERNATE NO. 1A: Provide Multi-Purpose Room. Provide construction for multi-purpose room as indicated on A110 series drawings, all disciplines.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 1B: Provide quartz tile flooring in Multi-Purpose Room in lieu of VCT flooring.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 1C: Provide rubber tile flooring in Multi-Purpose Room in lieu of VCT flooring.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 2A: Provide Second Floor Flex Space. Provide construction for second floor flex space in area framed by column lines D2 to D6 and DF to DJ as indicated on A111 series drawings, all disciplines.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 2B: Provide quartz tile flooring in second floor flex space in lieu of VCT flooring.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 2C: Provide rubber tile flooring in second floor flex space in lieu of VCT flooring.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 3: Provide soccer field grading and seeding and adjacent parking spaces as indicated on drawing C202 and C402.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 4: Provide Standing Seam Metal Roofing System at Gymnasium/Student Dining

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 5A: Provide quartz tile flooring in lieu of VCT flooring in corridors A100, B100, C100A, C100B, C100C, D100, C200, and D200.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 5B: Provide rubber tile flooring in lieu of VCT flooring in corridors A100, B100, C100A, C100B, C100C, D100, C200, and D200.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 6A: Provide quartz tile flooring in lieu of VCT flooring at all classrooms.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 6B: Provide rubber tile flooring in lieu of VCT flooring at all classrooms.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 7: Provide resilient athletic flooring in lieu of VCT flooring at gym C116 and student dining C114.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 8: Provide terrazzo flooring with patterns in lieu of quartz tile flooring at main lobby A100 and stair C100A.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 9: Provide conventional sheet metal ductwork and duct insulation in lieu of KoolDuct at all concealed ductwork locations.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 10: Provide LED site lighting in lieu of HID site lighting.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 11: Provide interior stone veneer in lieu of interior metal panels at lobby A100 and stair C100A.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 12: Provide stand-by natural gas-fired generator.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 13: Provide additional visual display surfaces in classrooms.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 14: Provide 3 color hues per 3 accent colors for flat metal panels type MWP-2 in lieu of 3 solid accent color flat metal panels.

Add / Deduct: _____ Dollars
(\$ _____)

ALTERNATE NO. 15: Provide decorative glazed CMU base and concrete lockers bases in lieu of metal locker bases and plates at all lockers in corridors.

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. Not all of the blank spaces below may be required.

None.

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. Should I/We be awarded this contract, and should I/We neglect, fail or refuse to complete my/our Work within the time specified in the project schedule, then I/We do hereby agree to pay the owner as liquidated damages the sum of \$1,000 per day. Liquidated damages will be assessed if final completion date, as adjusted by the Construction Manager is not met. Liquidated damages shall apply to all trade contracts. Liquidated damages will be assessed for each day beyond the scheduled date of completion for each trade contractor's item of work. Assessment will occur upon completion of all contracts and may be incurred by one or multiple contractors determined by the Construction Manager.

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
- Bid Security (Deposit or Bid Bond)

BID FORM

Bid Package #: 2-13-67-23A – Mechanical and Plumbing

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.

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>Ductwork – Sheet Metal</u>	_____	City _____ State _____ License # _____
<u>Ductwork – KoolDuct</u>	_____	City _____ State _____ License # _____
<u>Insulation</u>	_____	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 Red Clay Consolidated School District.

All the terms and conditions of Bid #2-13-67 have been thoroughly examined and are understood.

NAME OF BIDDER:

**AUTHORIZED REPRESENTATIVE
(TYPED):**

**AUTHORIZED REPRESENTATIVE
(SIGNATURE):**

TITLE:

ADDRESS OF BIDDER:

PHONE NUMBER:

Sworn to and Subscribed before me this _____ day of _____ 2013

My Commission expires _____. NOTARY PUBLIC _____

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

END OF SECTION 004000

SECTION 004350 – LIST OF SUBCONTRACTORS OR MATERIAL SUPPLIERS

Where the Bidder intends to perform the work with his own forces, his name is listed as a subcontractor.

**This list will be updated via the pre-bid meeting.
Check addenda and bid forms for final listing.**

Fill out the required information on the bid form:

<u>BID PACKAGE #</u>	<u>BID PACKAGE DESCRIPTION</u>	<u>SUBCONTRACTOR / SUPPLIER CATEGORY TO BE LISTED ON BID FORM</u>
2-13-67-03A	Concrete	Concrete
2-13-67-04A	Masonry	Masonry
2-13-67-04A	Steel	Structural Steel
2-13-67-06A	Carpentry & General Trades	Carpentry
2-13-67-07A	Roofing	Standing Seam Roofing; Flat Roofing
2-13-67-07B	Caulking	Caulking
2-13-67-07C	Metal Panels	Metal Panels
2-13-67-07D	Spray Foam Insulation	Spray Foam Insulation
2-13-67-08A	Glass, Glazing & Aluminum	Glass & Aluminum
2-13-67-09A	Stud & Drywall	Drywall
2-13-67-09B	Ceilings	Acoustical Ceilings
2-13-67-09C	Flooring	Resilient Flooring
2-13-67-09D	Painting	Painting
2-13-67-09E	Epoxy Flooring	Epoxy Flooring
2-13-67-11A	Kitchen Equipment	<i>Kitchen Equipment; Refrigeration; Hood Installer; Hood Fire Suppression Installer</i>
2-13-67-11B	Gym Equipment	Gym Equipment
2-13-67-12A	Casework	Casework
2-13-67-12B	Window Treatments	Window Treatments
2-13-67-14A	Elevator	Elevator
2-13-67-21A	Fire Protection	Fire Protection
2-13-67-23A	Mechanical & Plumbing	<i>Ductwork – Sheet Metal; Ductwork – Koolduct; Automatic Temperature Controls; Insulation</i>
2-13-67-23B	Testing & Balancing	Testing & Balancing
2-13-67-26A	Electrical	Electrical; Telecommunications Cabling; Fire Alarm
2-13-67-31A	Sitework	Sitework
2-13-67-31B	Landscaping	Landscaping

END OF SECTION 004350

SECTION 011200-09C – 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 Becker Morgan Group, dated July 1, 2013:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 14

Volume 3: Divisions 21 – 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
079200	Joint Sealants	As Applicable
096513	Resilient Base and Accessories	In Its Entirety
096516	Resilient Sheet Flooring	In Its Entirety
096519	Resilient Tile Flooring	In Its Entirety
096566	Resilient Athletic Flooring	In Its Entirety
096815	Carpet	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. 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.
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 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.
7. Temporary lighting will be provided by other. It is the responsibility of this contractor to provide supplemental lighting for this trades work as necessary.
8. This contractor is responsible to provide supplemental heating, if required, to properly install this scope of work.
9. Furnish and install all flooring, base, and accessories including but not limited to vinyl sheet flooring, vinyl composition tile (VCT), rubber tile flooring, resilient quartz tile, resilient athletic flooring (RAF), rubber stair treads and risers, rubber wall base, rubber stair accessories, rubber molding, etc.
10. Provide all preparation work for all flooring in accordance with the manufacturer's recommendations.
11. This contractor shall provide flash patching of the concrete slabs and decks in areas to receive resilient flooring.
12. This contractor shall furnish and install all resilient tile and sheet flooring, base, stair treads and accessories.
13. This contractor shall furnish and install all rubber/vinyl base on the exposed sides and toe kicks of all casework.
14. Provide all required transition strips and miscellaneous trim pieces as required.
15. Scrape, broom and vacuum substrate to be covered by flooring immediately before installation.
16. This contractor shall clean all cracks and sawcut control joints.
17. 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.
18. Provide all required and manufacturer approved adhesives and setting bed materials.
19. Provide all required expansion joints and thresholds, sealants, control joints, etc. as required to provide a complete finished product.
20. Furnish and deliver all required attic stock as per the specification requirements.
21. 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.
22. Coordinate with the Mechanical/Plumbing and Electrical Contractors to insure a neat and flush interface with devices installed in this work.
23. 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.
24. Verify that all air and surface temperature, moisture and humidity conditions are suitable for the installation of this work.
25. This contractor shall conduct moisture and/or bond tests on substrate surfaces. Notify WT of any problems/issues 2 weeks prior to installation.
26. This contractor is responsible for hauling of all materials to the jobsite and work area. WT will not provide any laborers or assistance.
27. Temporary water will be provided by others, but the location may not be near your work area.
28. The beginning of this Contractor's work constitutes acceptance of the floor surface. Notify WT of any problems two weeks prior to starting work.
29. All VCT, seamless flooring, and base seams must be inconspicuous, tight, flat, unpuckered edges, and free of excess adhesive.
30. Provide caulking to match at all flooring to doorframes as required.
31. ***This contractor shall provide a price to furnish and install alternate 8 and alternate 8A complete, including a breakdown of add and deduct pricing.***

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. 1A: Provide Multi-Purpose Room. Provide construction for multi-purpose room as indicated on A110 series drawings, all disciplines.

ALTERNATE NO. 1B: Provide quartz tile flooring in Multi-Purpose Room in lieu of VCT flooring.

ALTERNATE NO. 1C: Provide rubber tile flooring in Multi-Purpose Room in lieu of VCT flooring.

ALTERNATE NO. 2A: Provide Second Floor Flex Space. Provide construction for second floor flex space in area framed by column lines D2 to D6 and DF to DJ as indicated on A111 series drawings, all disciplines.

ALTERNATE NO. 2B: Provide quartz tile flooring in second floor flex space in lieu of VCT flooring.

ALTERNATE NO. 2C: Provide rubber tile flooring in second floor flex space in lieu of VCT flooring.

ALTERNATE NO. 3: Provide soccer field grading and seeding and adjacent parking spaces as indicated on drawing C202 and C402.

ALTERNATE NO. 4: Provide Standing Seam Metal Roofing System at Gymnasium/Student Dining

ALTERNATE NO. 5A: Provide quartz tile flooring in lieu of VCT flooring in corridors A100, B100, C100A, C100B, C100C, D100, C200, and D200.

ALTERNATE NO. 5B: Provide rubber tile flooring in lieu of VCT flooring in corridors A100, B100, C100A, C100B, C100C, D100, C200, and D200.

ALTERNATE NO. 6A: Provide quartz tile flooring in lieu of VCT flooring at all classrooms.

ALTERNATE NO. 6B: Provide rubber tile flooring in lieu of VCT flooring at all classrooms.

ALTERNATE NO. 7: Provide resilient athletic flooring in lieu of VCT flooring at gym C116 and student dining C114.

ALTERNATE NO. 8: Provide terrazzo flooring with patterns in lieu of quartz tile flooring at main lobby A100 and stair C100A.

ALTERNATE NO. 8A: Delete resilient quartz tile flooring at Lobby A100, Corridor A100C and Stair C100A. Provide solid color stained concrete floor.

ALTERNATE NO. 9: Provide conventional sheet metal ductwork and duct insulation in lieu of KoolDuct at all concealed ductwork locations.

ALTERNATE NO. 10: Provide LED site lighting in lieu of HID site lighting.

ALTERNATE NO. 11: Provide interior stone veneer in lieu of interior metal panels at lobby A100 and stair C100A.

ALTERNATE NO. 12: Provide stand-by natural gas-fired generator.

ALTERNATE NO. 13: Provide additional visual display surfaces in classrooms.

ALTERNATE NO. 14: Provide 3 color hues per 3 accent colors for flat metal panels type MWP-2 in lieu of 3 solid accent color flat metal panels.

ALTERNATE NO. 15: Provide decorative glazed CMU base and concrete lockers bases in lieu of metal locker bases and plates at all lockers in corridors.

UNIT PRICES

None.

SECTION 011200-23A – SPECIFIC SCOPE OF WORK – MECHANICAL

SPECIFIC SCOPE – MECHANICAL:

- 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 Becker Morgan Group, dated July 1, 2013:

Volume 1: Divisions 00 – 01

Volume 2: Divisions 02 – 14

Volume 3: Divisions 21 – 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
074113	Standing Seam Roof Panels	As Applicable
075323	EPDM Roofing	As Applicable
076200	Flashing and Sheet Metal	As Applicable
078413	Penetration Firestopping	As Applicable
079200	Joint Sealants	As Applicable
083113	Access Doors and Frames	As Applicable
089119	Fixed Louvers	In Its Entirety
114000	Food Service Equipment	As Applicable
123200	Manufacturer Wood Casework	As Applicable
142400	Hydraulic Elevator	As Applicable
Division 22 – All subsections	Plumbing	In Its Entirety
Division 23 – All subsections (except 230593)	HVAC	In Its Entirety
230593	Testing, Adjusting and Balancing for HVAC	As Applicable

Division 26 – All subsections	Electrical	In Its Entirety
312000	Earth Moving	As Applicable
312319	Dewatering	As Applicable
315000	Excavation Support and Protection	As Applicable
330500	Common Work Results for Utilities	As Applicable
334100	Storm Utility Drainage	As Applicable

NARRATIVE:

1. Include the cost of performance and payment bonds in the base bid.
2. Provide all fall protection and safety measures required to complete this work.
3. Provide all mock-ups as required by specifications. Mock-ups will be used to approve materials and establish level of quality for the work.
4. 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 mechanical work.
5. Provide all warranties for material, equipment and labor as specified.
6. Provide fire-stopping sealant for all penetrations at wall, floors and ceilings.
7. Field superintendent required on-site at all times contractor's forces or subcontractor's forces are working.
8. Provide access panels as required for concealed valves or devices. Access panel locations to be coordinated with construction manager.
9. Provide all louvers and vents. Refer to mechanical and architectural drawings for all louver locations. Provide blank-off plates at unused sections of louvers.
10. Provide final utility connections to all food service equipment. Provide all plumbing and HVAC connections including domestic water, gas, sanitary drainage, vent, exhaust duct, condensate, traps, valves, insulation. Include condensate drain piping and insulation at walk-in box blower coils. Include setting only of floor troughs and drain troughs Provide final assembly of plumbing and HVAC related utility connections.
11. Provide all permits and fees required. New Castle County building permit provided by Whiting-Turner.
12. Perform hydraulic tests for all systems. All tests to be witnessed by Whiting-Turner. Provide all testing documentation to Whiting-Turner.
13. Verify all required clearances for all equipment.
14. MEP COORDINATION:

Each MEP Contractor shall be responsible to take part in the MEP coordination process. This coordination process will be done using two dimensional drawings. The Mechanical Contractor shall be responsible to take the lead in this process, overlay all other MEP trade coordination drawings and create a totally coordinated set of MEP shop drawings that the MEP systems can be installed to. In addition as-built modifications shall also be the responsibility of the Mechanical Contractor at the completion of the project. Once all as-built modifications are made the Mechanical Contractor shall provide drawings in both hard copy and electronic format as part of the O&M documentation.

The process will be as follows: Before any coordination drawings are started a coordination meeting will be held. All MEP contractors will be required to attend. At the initial meeting the items to be discussed will be as follows.

- #1 – Electronic software to be used
- #2 – Scale to be used

#3 – Assignments of layers to each MEP Contractor

#4 – Sequence of design based on construction sequence through the building

After the initial meeting all MEP Contractors will be given a copy of the project backgrounds. It will be the Mechanical Contractors responsibility to make sure these backgrounds are imported onto the coordination drawings. In addition steel shop drawings will also be distributed for use in the coordination process. Each MEP Contractor will create their coordination drawings based on the layer or elevation given to them in the initial coordination meeting. If any part of their work extends out of the designated layer they are to notify both the Construction Manager and the Mechanical Contractor of this potential interference. Once notified the Mechanical Contractor will research if the potential interference impacts other systems and will present possible solutions at bi weekly coordination meeting. At the bi weekly coordination meetings these potential interferences and solutions will be discussed and the least cost solution will be utilized. All MEP Contractors are responsible to attend these bi weekly meetings and send at least 3 days in advanced updated files of their coordination drawings to the Mechanical Contractor so the coordination drawings at the meeting are current. These meeting will continue until the coordination process is complete. If an MEP Contractor does not see fit to attend these meetings or if electronic updates of their coordination drawings are not sent to the mechanical contractor in a timely fashion a \$500.00 penalty may be assessed and a credit change order issued to their contract. Please note that the coordination process is part of building the project. No additional compensation will be due for relocation of any MEP systems as part of this coordination process.

15. Provide all vibration isolation devices and thrust restraints for all equipment as specified.
16. Provide all cutting, patching, core drilling, sleeves and penetrations as required. Sleeve all penetrations at all walls and floorings. Provide sleeves to the appropriate contractors as required.
17. Provide and set sleeves in foundation walls for all utilities. Provide all below slab plumbing piping to a point 5' outside exterior walls. Provide grease trap and piping to a point 5' past the grease trap. All final utility (water and sewer) connections by this contractor regardless of the sequence of the utility installation.
18. Provide all piping and duct insulation per specifications.
19. Perform flushing, testing and sterilizing of domestic water systems.
20. Provide complete plumbing system to include all domestic water piping, gas piping, valves, storm water piping, roof drains, floor drains, vent piping, plumbing fixtures, plumbing equipment, hose bibs, yard hydrants, hot water heaters, expansion tanks, circulator pumps, condensate pumps, mixing valves, gas regulators, etc.
21. Coordinate gas piping installation with local utility company. Provide all gas piping downstream of gas meter. Provide all supports and accessories for gas piping and system. Provide all gas regulators, relief valves and vents.
22. Provide all vents and drains at high and low points in piping.
23. Furnish, install, maintain and remove temporary water service during construction. Provide four hose bibs and utility sinks. Locations to be determined in field. Connect temporary water service to main service utility piping. Provide temporary roof drain piping until permanent connections to storm system are made.
24. Provide all necessary items for complete HVAC system. Provide piping, equipment, sheet metal ductwork, KoolDuct, double-wall duct, fans, grilles, registers, diffusers, labels, tags, insulation, dampers, access doors and panels.
25. Ductwork in gymnasium to be coordinated with steel joists to allow for ductwork to be run through the webbing of the bar joists
26. Provide layout to other trades for all ductwork and piping passing through walls and floors.
27. Provide access doors in ductwork as required.
28. Provide temporary heating and cooling during construction. New equipment shall be used to condition the building as needed to allow finish trades to complete their work. New equipment needs

- to be installed and operational as soon as practical. Change all filters as needed while new equipment is used during construction.
29. All warranties for equipment that is used prior to final completion for construction heating or cooling shall be extended to provide owner with full term of specified warrant from date of final completion.
 30. All equipment used prior to final completion shall be serviced, inspected and cleaned prior to final completion and acceptance by owner.
 31. Provide new filters in all equipment prior to final testing and balancing.
 32. Provide all grilles and diffusers in walls and ceilings. Coordinate rough opening sizes with appropriate contractors.
 33. All ductwork to be delivered to project clean with ends sealed. Upon completion of ductwork installation each day, open ends of duct to be sealed. If ductwork is found to be dirty, duct shall be cleaned by contractor.
 34. ~~Provide complete automatic temperature control system. Provide all conduit, wiring, control valves, dampers, sensors, computers, hardware, software, etc. 120V power wiring provided by electrical contractor.~~ **Provide all controls for VRF systems only as shown on VRF schematic drawings.**
 35. Provide start-up, testing and commissioning of all new equipment and systems as specified.
 36. Perform pre-construction review of ductwork shop drawings with Testing & Balancing contractor and mechanical engineer to review locations of balancing dampers.
 37. Perform all duct leakage testing per specifications. Submit testing procedures to construction manager.
 38. Coordinate with electrical contractor to provide shutdown of necessary HVAC equipment upon activation of duct-mounted smoke detectors. Provide control wiring as required. Confirm proper operation with electrical contractor.
 39. Provide all concrete housekeeping pads for mechanical and plumbing equipment.
 40. Provide emergency gas solenoid valves as shown.
 41. Provide all motor starters, disconnects, VFDs scheduled to be supplied with new equipment.
 42. Verify electrical requirements for new mechanical and plumbing equipment matches the electrical drawings. Coordinate all power requirements with electrical contractor.
 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. Provide final cleaning of the interior of all new equipment.
 47. Cut all metal decking as required for installation of ductwork, piping, equipment thru the roof and elevated floor slab.
 48. Coordinate penetrations in elevated floor slab with concrete and steel contractors.
 49. Any floor penetration larger than four square inches must be identified, protected and if at all possible, formed in place with a styrofoam block out. Any floor penetration larger than one square foot must be reinforced with wire mesh by the concrete contractor. Any floor penetration larger than two feet per side requires rebar reinforcing by the concrete contractor. Develop a detail matrix of floor openings identifying size, service and an identifying number. Use styrofoam block outs for all cast in place floor openings. Use wood screw to secure them to the plywood form. Witness the pour in order to protect the opening. This includes pours that may be made on Saturday. After the pour, use the matrix to record that every blockout has been removed as soon as possible and is accounted for. Every single opening larger than four square inches is required to have 3/4" plywood cover, fastened to the deck and labeled "Fall Hazard. Do not remove. Opening number XXX". Protective covers removed as directed by Whiting-Turner.
 50. Provide complete acoustical accessory package for all mechanical equipment and curbs as shown.
 51. Install duct smoke and heat detectors in ductwork. Devices provided by electrical contractor.

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

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

ALTERNATE NO. 1A: Provide Multi-Purpose Room. Provide construction for multi-purpose room as indicated on A110 series drawings, all disciplines.

ALTERNATE NO. 1B: Provide quartz tile flooring in Multi-Purpose Room in lieu of VCT flooring.

ALTERNATE NO. 1C: Provide rubber tile flooring in Multi-Purpose Room in lieu of VCT flooring.

ALTERNATE NO. 2A: Provide Second Floor Flex Space. Provide construction for second floor flex space in area framed by column lines D2 to D6 and DF to DJ as indicated on A111 series drawings, all disciplines.

ALTERNATE NO. 2B: Provide quartz tile flooring in second floor flex space in lieu of VCT flooring.

ALTERNATE NO. 2C: Provide rubber tile flooring in second floor flex space in lieu of VCT flooring.

ALTERNATE NO. 3: Provide soccer field grading and seeding and adjacent parking spaces as indicated on drawing C202 and C402.

ALTERNATE NO. 4: Provide Standing Seam Metal Roofing System at Gymnasium/Student Dining

ALTERNATE NO. 5A: Provide quartz tile flooring in lieu of VCT flooring in corridors A100, B100, C100A, C100B, C100C, D100, C200, and D200.

ALTERNATE NO. 5B: Provide rubber tile flooring in lieu of VCT flooring in corridors A100, B100, C100A, C100B, C100C, D100, C200, and D200.

ALTERNATE NO. 6A: Provide quartz tile flooring in lieu of VCT flooring at all classrooms.

ALTERNATE NO. 6B: Provide rubber tile flooring in lieu of VCT flooring at all classrooms.

ALTERNATE NO. 7: Provide resilient athletic flooring in lieu of VCT flooring at gym C116 and student dining C114.

ALTERNATE NO. 8: Provide terrazzo flooring with patterns in lieu of quartz tile flooring at main lobby A100 and stair C100A.

ALTERNATE NO. 9: Provide conventional sheet metal ductwork and duct insulation in lieu of KoolDuct at all concealed ductwork locations.

ALTERNATE NO. 10: Provide LED site lighting in lieu of HID site lighting.